

# I. GENERAL DRAWING

No.	DRAWING TITLE	DRAWING No.
I.	GENERAL DRAWING	
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15	ACCESS ROAD NAKASANG PLAN AND PROFILE Sta: km 0+250 - 0+500	C - 01-03
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17	ACCESS ROAD NAKASANG PLAN AND PROFILE Sta: km 0+750 - 1+000	C - 01-05
18	ACCESS ROAD NAKASANG PLAN AND PROFILE Sta: km 1+000 - 1+250	C - 01-06
19	ACCESS ROAD NAKASANG PLAN AND PROFILE Sta: km 1+250 - 1+500	C - 01-07
20	ACCESS ROAD NAKASANG PLAN AND PROFILE Sta: km 1+500 - 1+750	C - 01-08
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22	ACCESS ROAD NAKASANG PLAN AND PROFILE Sta: km 2+000 - 2+250	C - 01-10
23	ACCESS ROAD NAKASANG PLAN AND PROFILE Sta: km 2+250 - 2+500	C - 01-11
24	ACCESS ROAD NAKASANG PLAN AND PROFILE Sta: km 2+500 - 2+722	C - 01-12
25	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 0+000 - 0+100	C - 01-13
26	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 0+120 - 0+220	C - 01-14
27	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 0+240 - 0+340	C - 01-15
28	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 0+360 - 0+460	C - 01-16
29	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 0+480 - 0+580	C - 01-17
30	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 0+600 - 0+700	C - 01-18
31	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 0+720 - 0+820	C - 01-19
32	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 0+840 - 0+940	C - 01-20
33	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 0+960 - 1+060	C - 01-21


No.	DRAWING TITLE	DRAWING No.
34	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 1+080 - 1+180	C - 01-22
35	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 1+200 - 1+300	C - 01-23
36	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 1+320 - 1+420	C - 01-24
37	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 1+440 - 1+540	C - 01-25
38	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 1+560 - 1+660	C - 01-26
39	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 1+680 - 1+780	C - 01-27
40	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 1+800 - 1+900	C - 01-28
41	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 1+920 - 2+020	C - 01-29
42	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 2+040 - 2+140	C - 01-30
43	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 2+160 - 2+260	C - 01-31
44	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 2+280 - 2+380	C - 01-32
45	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 2+400 - 2+500	C - 01-33
46	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 2+520 - 2+620	C - 01-34
47	NAKASANG ACCESS ROAD CROSS - SECTION Sta.km 2+640 - 2+722	C - 01-35
48	ACCESS ROAD TO PARKING PLAN AND PROFILE Sta: km 0+000 - 0+050	C - 01-36
49	ACCESS ROAD TO PARKING CROSS - SECTION Sta. km 0+000 - 0+050	C - 01-37
III. 2	A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT	
50	ACCESS ROAD -A2(IRL-01) PLAN AND PROFILE Sta:km 0+000 - 0+250	C-38
51	ACCESS ROAD -A2(IRL-01) PLAN AND PROFILE Sta:km 0+250 - 0+500	C-39
52	ACCESS ROAD -A2(IRL-01) PLAN AND PROFILE Sta:km 0+500 - 0+750	C-40
53	ACCESS ROAD -A2(IRL-01) PLAN AND PROFILE Sta:km 0+750 - 1+000	C-41
54	ACCESS ROAD -A2(IRL-01) PLAN AND PROFILE Sta:km 1+000 - 1+250	C-42
55	ACCESS ROAD -A2(IRL-01) PLAN AND PROFILE Sta:km 1+250 - 1+346	C-43
56	ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 0+000 - 0+100	C-44
57	ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 0+120 - 0+220	C-45
58	ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 0+240 - 0+340	C-46
59	ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 0+360 - 0+460	C-47
60	ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 0+480 - 0+580	C-48
61	ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 0+600 - 0+700	C-49
62	ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 0+720 - 0+820	C-50
63	ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 0+840 - 0+940	C-51

REVISION:		
No.	Description	Date
A	GENERAL DRAWING	6-12-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_  
  
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 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
**TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT**  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM







PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : LIST OF DRAWING 1/5  
 SCALE IN A3: AS SHOWN      DATE : \_\_\_\_\_      DRAWING No. : \_\_\_\_\_  
 LAO - NKS      GR-01


No.	DRAWING TITLE	DRAWING No.
64	ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 0+960 - 1+060	C-52
65	ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 1+080 - 1+180	C-53
66	ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 1+200 - 1+300	C-54
67	ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 1+320 - 1+346	C-55
68	MAIN ROAD -A2 (IRL-02) PLAN PROFILE Sta: km 0+000 - 0+250	C-56
69	MAIN ROAD -A2 (IRL-02) PLAN PROFILE Sta: km 0+250 - 0+500	C-57
70	MAIN ROAD -A2 (IRL-02) PLAN PROFILE Sta: km 0+500 - 0+750	C-58
71	MAIN ROAD -A2 (IRL-02) PLAN PROFILE Sta: km 0+750 - 1+000	C-59
72	MAIN ROAD -A2 (IRL-02) PLAN PROFILE Sta: km 1+000 - 1+250	C-60
73	MAIN ROAD -A2 (IRL-02) PLAN PROFILE Sta: km 1+250 - 1+500	C-61
74	MAIN ROAD -A2 (IRL-02) PLAN PROFILE Sta: km 1+500 - 1+750	C-62
75	MAIN ROAD -A2 (IRL-02) PLAN PROFILE Sta: km 1+750 - 2+000	C-63
76	MAIN ROAD -A2 (IRL-02) PLAN PROFILE Sta: km 2+000 - 2+072	C-64
77	MAIN ROAD -A2 (IRL-02) CROSS - SECTION Sta: km 0+000 - 0+100	C-65
78	MAIN ROAD -A2 (IRL-02) CROSS - SECTION Sta: km 0+120 - 0+220	C-66
79	MAIN ROAD -A2 (IRL-02) CROSS - SECTION Sta: km 0+240 - 0+340	C-67
80	MAIN ROAD -A2 (IRL-02) CROSS - SECTION Sta: km 0+360 - 0+460	C-68
81	MAIN ROAD -A2 (IRL-02) CROSS - SECTION Sta: km 0+480 - 0+580	C-69
82	MAIN ROAD -A2 (IRL-02) CROSS - SECTION Sta: km 0+600 - 0+700	C-70
83	MAIN ROAD -A2 (IRL-02) CROSS - SECTION Sta: km 0+720 - 0+820	C-71
84	MAIN ROAD -A2 (IRL-02) CROSS - SECTION Sta: km 0+840 - 0+940	C-72
85	MAIN ROAD -A2 (IRL-02) CROSS - SECTION Sta: km 0+960 - 1+060	C-73
86	MAIN ROAD -A2 (IRL-02) CROSS - SECTION Sta: km 1+080 - 1+180	C-74
87	MAIN ROAD -A2 (IRL-02) CROSS - SECTION Sta: km 1+200 - 1+300	C-75
88	MAIN ROAD -A2 (IRL-02) CROSS - SECTION Sta: km 1+320 - 1+420	C-76
89	MAIN ROAD -A2 (IRL-02) CROSS - SECTION Sta: km 1+440 - 1+540	C-77
90	MAIN ROAD -A2 (IRL-02) CROSS - SECTION Sta: km 1+560 - 1+660	C-78
91	MAIN ROAD -A2 (IRL-02) CROSS - SECTION Sta: km 1+680 - 1+780	C-79
92	MAIN ROAD -A2 (IRL-02) CROSS - SECTION Sta: km 1+800 - 1+900	C-80
93	MAIN ROAD -A2 (IRL-02) CROSS - SECTION Sta: km 1+920 - 2+020	C-81
94	MAIN ROAD -A2 (IRL-02) CROSS - SECTION Sta: km 2+040 - 2+072	C-82
95	ACCESS ROAD -A2(IRL03) PLAN AND PROFILE Sta:km 0+000 - 0+250	C-83
96	ACCESS ROAD -A2(IRL03) PLAN AND PROFILE Sta:km 0+250 - 0+500	C-84
97	ACCESS ROAD -A2(IRL03) PLAN AND PROFILE Sta:km 0+500 - 0+750	C-85
98	ACCESS ROAD -A2(IRL03) PLAN AND PROFILE Sta:km 0+750 - 1+000	C-86
99	ACCESS ROAD -A2(IRL03) PLAN AND PROFILE Sta:km 1+000 - 1+250	C-87

No.	DRAWING TITLE	DRAWING No.
100	ACCESS ROAD -A2(IRL03) PLAN AND PROFILE Sta:km 1+250 - 1+500	C-88
101	ACCESS ROAD -A2(IRL03) PLAN AND PROFILE Sta:km 1+500 - 1+750	C-89
102	ACCESS ROAD -A2(IRL03) PLAN AND PROFILE Sta:km 1+750 - 2+000	C-90
103	ACCESS ROAD -A2(IRL03) PLAN AND PROFILE Sta:km 2+000 - 2+250	C-91
104	ACCESS ROAD -A2(IRL03) PLAN AND PROFILE Sta:km 2+250 - 2+491	C-92
105	ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 0+000 - 0+100	C-93
106	ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 0+120 - 0+220	C-94
107	ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 0+240 - 0+340	C-95
108	ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 0+360 - 0+460	C-96
109	ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 0+480 - 0+580	C-97
110	ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 0+600 - 0+700	C-98
111	ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 0+720 - 0+820	C-99
112	ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 0+840 - 0+940	C-100
113	ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 0+960 - 1+060	C-101
114	ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 1+080 - 1+180	C-102
115	ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 1+200 - 1+300	C-103
116	ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 1+320 - 1+420	C-104
117	ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 1+440 - 1+540	C-105
118	ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 1+560 - 1+660	C-106
119	ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 1+680 - 1+780	C-107
120	ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 1+800 - 1+900	C-108
121	ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 1+920 - 2+020	C-109
122	ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 2+040 - 2+140	C-110
123	ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 2+160 - 2+260	C-111
124	ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 2+280 - 2+380	C-112
125	ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 2+400 - 2+491	C-113
126	MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 0+000 - 0+250	C-114
127	MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 0+250 - 0+500	C-115
128	MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 0+500 - 0+750	C-116
129	MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 0+750 - 1+000	C-117
130	MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 1+000 - 1+250	C-118
131	MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 1+250 - 1+500	C-119
132	MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 1+500 - 1+750	C-120
133	MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 1+750 - 2+000	C-121
134	MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 2+000 - 2+250	C-122
135	MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 2+250 - 2+500	C-123

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PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : LIST OF DRAWING 2/5

SCALE IN A3: AS SHOWN	DATE :	DRAWING No. : LAO - NKS	GR-02
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No.	DRAWING TITLE	DRAWING No.
136	MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 2+500 - 2+750	C-124
137	MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 2+750 - 3+000	C-125
138	MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 3+000 - 3+250	C-126
139	MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 3+250 - 3+500	C-127
140	MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 3+500 - 3+750	C-128
141	MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 3+750 - 4+000	C-129
142	MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 4+000 - 4+250	C-130
143	MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 4+250 - 4+500	C-131
144	MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 4+500 - 4+620.39	C-132
145	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 0+000 - 0+100	C-133
146	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 0+120 - 0+220	C-134
147	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 0+240 - 0+340	C-135
148	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 0+360 - 0+460	C-136
149	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 0+480 - 0+580	C-137
150	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 0+600 - 0+700	C-138
151	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 0+720 - 0+820	C-139
152	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 0+840 - 0+940	C-140
153	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 0+960 - 1+060	C-141
154	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 1+080 - 1+180	C-142
155	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 1+200 - 1+300	C-143
156	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 1+320 - 1+420	C-144
157	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 1+440 - 1+540	C-145
158	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 1+560 - 1+660	C-146
159	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 1+680 - 1+780	C-147
160	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 1+800 - 1+900	C-148
161	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 1+920 - 2+020	C-149
162	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 2+040 - 2+140	C-150
163	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 2+160 - 2+260	C-151
164	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 2+280 - 2+380	C-152
165	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 2+400 - 2+500	C-153
166	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 2+520 - 2+620	C-154
167	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 2+640 - 2+700	C-155
168	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 2+720 - 2+780	C-156
169	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 2+800 - 2+860	C-157
170	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 2+880 - 2+980	C-158
171	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 3+000 - 3+100	C-159
172	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 3+120 - 3+220	C-160
173	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 3+240 - 3+340	C-161
174	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 3+360 - 3+460	C-162


No.	DRAWING TITLE	DRAWING No.
175	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 3+480 - 3+580	C-163
176	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 3+600 - 3+700	C-164
177	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 3+720 - 3+780	C-165
178	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 3+820 - 3+880	C-166
179	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 3+900 - 4+000	C-167
180	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 4+020 - 4+080	C-168
181	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 4+100 - 4+160	C-169
182	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 4+180 - 4+240	C-170
183	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 4+260 - 4+320	C-171
184	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 4+340 - 4+400	C-172
185	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 4+420 - 4+480	C-173
186	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 4+500 - 4+600	C-174
187	MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 4+620 - 4+620.39	C-175
188	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 0+000 - 0+250	C-176
189	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 0+250 - 0+500	C-177
190	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 0+500 - 0+750	C-178
191	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 0+750 - 1+000	C-179
192	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 1+000 - 1+250	C-180
193	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 1+250 - 1+500	C-181
194	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 1+500 - 1+750	C-182
195	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 1+750 - 2+000	C-183
196	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 2+000 - 2+250	C-184
197	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 2+250 - 2+500	C-185
198	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 2+500 - 2+750	C-186
199	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 2+750 - 3+000	C-187
200	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 3+000 - 3+250	C-188
201	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 3+250 - 3+500	C-189
202	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 3+500 - 3+750	C-190
203	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 3+750 - 4+000	C-191
204	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 4+000 - 4+250	C-192
205	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 4+250 - 4+500	C-193
206	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 4+500 - 4+750	C-194
207	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 4+750 - 5+000	C-195
208	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 5+000 - 5+250	C-196
209	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 5+250 - 5+500	C-197
210	WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 5+500 - 5+649	C-198

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 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

**DRAWING TITLE :** LIST OF DRAWING 3/5

SCALE IN A3: AS SHOWN	DATE :	DRAWING No. : LAO - NKS
		GR-03

No.	DRAWING TITLE	DRAWING No.
211	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 0+000 - 0+100	C-199
212	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 0+120 - 0+220	C-200
213	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 0+240 - 0+340	C-201
214	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 0+360 - 0+460	C-202
215	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 0+480 - 0+580	C-203
216	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 0+600 - 0+700	C-204
217	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 0+720 - 0+820	C-205
218	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 0+840 - 0+940	C-206
219	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 0+960 - 1+020	C-207
220	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 1+040 - 1+140	C-208
221	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 1+160 - 1+260	C-209
222	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 1+280 - 1+380	C-210
223	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 1+400 - 1+500	C-211
224	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 1+520 - 1+620	C-212
225	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 1+640 - 1+740	C-213
226	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 1+760 - 1+860	C-214
227	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 1+880 - 1+980	C-215
228	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 2+000 - 2+100	C-216
229	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 2+120 - 2+220	C-217
230	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 2+240 - 2+340	C-218
231	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 2+360 - 2+460	C-219
232	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 2+480 - 2+580	C-220
233	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 2+600 - 2+700	C-221
234	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 2+720 - 2+820	C-222
235	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 2+840 - 2+940	C-223
236	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 2+960 - 3+060	C-224
237	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 3+080 - 3+180	C-225
238	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 3+200 - 3+300	C-226
239	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 3+320 - 3+420	C-227
240	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 3+440 - 3+540	C-228
241	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 3+560 - 3+660	C-229
242	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 3+680 - 3+780	C-230
243	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 3+800 - 3+860	C-231
244	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 3+880 - 3+940	C-232
245	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 3+960 - 4+020	C-233
246	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+040 - 4+100	C-234
247	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+120 - 4+180	C-235
248	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+200 - 4+260	C-236
249	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+280 - 4+340	C-237


No.	DRAWING TITLE	DRAWING No.
250	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+360 - 4+460	C-238
251	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+480 - 4+560	C-239
252	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+580 - 4+640	C-240
253	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+660 - 4+720	C-241
254	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+740 - 4+800	C-242
255	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+820 - 4+920	C-243
256	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+940 - 5+020	C-244
257	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 5+040 - 5+100	C-245
258	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 5+120 - 5+220	C-246
259	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 5+240 - 5+340	C-247
260	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 5+360 - 5+460	C-248
261	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 5+480 - 5+580	C-249
262	WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 5+600 - 5+640	C-250
263	ACCESS ROAD -A2(IRL-06) PLAN AND PROFILE Sta:km 0+000 - 0+250	C-251
264	ACCESS ROAD -A2(IRL-06) PLAN AND PROFILE Sta:km 0+250 - 0+500	C-252
265	ACCESS ROAD -A2(IRL-06) PLAN AND PROFILE Sta:km 0+500 - 0+750	C-253
266	ACCESS ROAD -A2(IRL-06) PLAN AND PROFILE Sta:km 0+750 - 1+000	C-254
267	ACCESS ROAD -A2(IRL-06) PLAN AND PROFILE Sta:km 1+000 - 1+250	C-255
268	ACCESS ROAD -A2(IRL-06) PLAN AND PROFILE Sta:km 1+250 - 1+335	C-256
269	ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 0+000 - 0+100	C-257
270	ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 0+120 - 0+220	C-258
271	ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 0+240 - 0+340	C-259
272	ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 0+360 - 0+460	C-260
273	ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 0+480 - 0+580	C-261
274	ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 0+600 - 0+700	C-262
275	ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 0+720 - 0+820	C-263
276	ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 0+840 - 0+940	C-264
277	ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 0+960 - 1+060	C-265
278	ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 1+080 - 1+180	C-266
279	ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 1+200 - 1+300	C-267
280	ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 1+320 - 1+334.81	C-268
281	ACCESS ROAD -A2(IRL-07) PLAN AND PROFILE Sta:km 0+000 - 0+103.64	C-269
282	ACCESS ROAD -A2(IRL-07) CROSS - SECTION Sta:km 0+000 - 0+100	C-270
283	ACCESS ROAD -A2(IRL-07) CROSS - SECTION Sta:km 0+103.67	C-271
284	ACCESS ROAD -A2(IRL-08) PLAN AND PROFILE Sta:km 0+000 - 0+250	C-272
285	ACCESS ROAD -A2(IRL-08) PLAN AND PROFILE Sta:km 0+250 - 0+500	C-273


REVISION:		
No.	Description	Date
A	GENERAL DRAWING	6-12-18

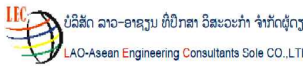
Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_  
  
 TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
**TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT**  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM







**PROJECT:**  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

**DRAWING TITLE :** LIST OF DRAWING 4/5

SCALE IN A3: AS SHOWN	DATE :	DRAWING No. : LAO - NKS
		GR-04

No.	DRAWING TITLE	DRAWING No.
286	ACCESS ROAD -A2(IRL-08) PLAN AND PROFILE Sta:km 0+500 - 0+566.38	C-274
287	ACCESS ROAD -A2(IRL-08) CROSS - SECTION Sta:km 0+000 - 0+100	C-275
288	ACCESS ROAD -A2(IRL-08) CROSS - SECTION Sta:km 0+120 - 0+220	C-276
289	ACCESS ROAD -A2(IRL-08) CROSS - SECTION Sta:km 0+240 - 0+340	C-277
290	ACCESS ROAD -A2(IRL-08) CROSS - SECTION Sta:km 0+360 - 0+460	C-278
291	ACCESS ROAD -A2(IRL-08) CROSS - SECTION Sta:km 0+480 - 0+566.38	C-279
292	ACCESS ROAD REINFORCEMENT CONCRETE PAVEMENT DETAIL (1)	C-280
293	ACCESS ROAD REINFORCEMENT CONCRETE PAVEMENT DETAIL (2)	C-281
IV.	PIPE CULVERT	
294	NAKASANG ROAD -A1 CROSS SECTION OF CULVERT	PC-01
295	NAKASANG ROAD -A1 CROSS SECTION OF CULVERT	PC-02
296	ACCESS ROAD -A2(IRL01) CROSS SECTION OF CULVERT	PC-03
297	ACCESS ROAD -A2(IRL01) CROSS SECTION OF CULVERT	PC-04
298	ACCESS ROAD -A2(IRL02) CROSS SECTION OF CULVERT	PC-05
299	ACCESS ROAD -A2(IRL03) CROSS SECTION OF CULVERT	PC-06
300	ACCESS ROAD -A2(IRL03) CROSS SECTION OF CULVERT	PC-07
301	ACCESS ROAD -A2(IRL04) CROSS SECTION OF CULVERT	PC-08
302	ACCESS ROAD -A2(IRL04) CROSS SECTION OF CULVERT	PC-09
303	ACCESS ROAD -A2(IRL05) CROSS SECTION OF CULVERT	PC-10
304	ACCESS ROAD -A2(IRL05) CROSS SECTION OF CULVERT	PC-11
305	ACCESS ROAD -A2(IRL05) CROSS SECTION OF CULVERT	PC-12
306	ACCESS ROAD -A2(IRL06) CROSS SECTION OF CULVERT	PC-13
307	ACCESS ROAD -A2(IRL07) CROSS SECTION OF CULVERT	PC-14
308	ACCESS ROAD -A2(IRL08) CROSS SECTION OF CULVERT	PC-15
V.	PARKING AREA	
309	PLAN OF PARKING AREA No.1 (BAN DONE DET RIVER PORT)	PA-01
310	PLAN OF PARKING AREA No.2 (AT BAN DONE DET OLD RIVER PORT)	PA-02
311	PLAN OF PARKING AREA No.3 (BAN HANG KHONE)	PA-03
312	TYPICAL CROSS SECTION OF PARKING AREA	PA-04
313	CROSS SECTION OF PARKING AREA No.1 (BAN DONE DET RIVER PORT)	PA-05
314	CROSS SECTION OF PARKING AREA No.2 (AT BAN DONE DET OLD RIVER PORT)	PA-06
315	CROSS SECTION OF PARKING AREA No.2 (AT BAN DONE DET OLD RIVER PORT)	PA-07
316	CROSS SECTION OF PARKING AREA No.3 (BAN HANG KHONE)	PA-08
317	STANDARD AND DETAIL CONCRETE PAVMENT OF PARKING AREA	PA-09
318	DETAIL OF TRANSVERSE JOINT	PA-10
319	VOLUME OF PARKING AREA	PA-11
VI.	STANDARD DRAWING	
320	PLAN OF REINFORCED CONCRETE PAVMENT	SD-01


No.	DRAWING TITLE	DRAWING No.
321	DETAIL OF TRANSVERSE JOINT	SD-02
322	CONCRETE CURB FOR CONCRETE PAVEMENT	SD-03
323	TRAFFIC SIGNS	SD-04
324	TRAFFIC CONTROL DEVICES ROAD SIGNS 1/2	SD-05
325	TRAFFIC CONTROL DEVICES ROAD SIGNS 2/2	SD-06
326	SIGNS INSTALLATION	SD-07
327	TRAFFIC CONTROL MARKINGS LINE,ARROW AND HATCHING MARKINGS	SD-08
328	GUIDE POSTS	SD-09
329	KILOMETRE POSTS	SD-10
330	REINFORCED CONCRETE PIPE TONGUE AND GROOVE, DIA 300-600 mm, MIN. COVER 600 mm	SD-11
331	REINFORCED CONCRETE PIPE TONGUE AND GROOVE,DIA 800 - 1500 mm, MIN. COVER 600 mm	SD-12
332	REINFORCED CONCRETE PIPE JOINTS AND EXTENSIONS	SD-13
333	REINFORCED CONCRETE PIPE INSTALLATION	SD-14
334	REINFORCED CONCRETE PIPE STRUCTURE, INLET, OUTLET, SINGLE CELL , DIA 300-600 mm	SD-15
335	REINFORCED CONCRETE PIPE STRUCTURE, INLET, OUTLET, SINGLE CELL , DIA 800-1500 mm	SD-16
336	REINFORCED CONCRETE PIPE STRUCTURE, INLET, OUTLET, DOUBLE CELL DIA 800-1500 mm	SD-17
337	DETAILS OF SIDE DITCH AND RC U-DRAIN	SD-18
VII.	FOOTPATH DRAWING	
338	PLAN OF NAKASANG PORT	C-02-1
339	LAMP AND ACCESS ROAD CROSS SECTIONS	C-02-2
340	NAKASANG PORT CROSS SECTIONS FOOTPATH AND ROAD IMPROVEMENTS	C-02-3
341	DISCHARGE PIPE SECTION AND PLAN	C-02-4
342	RAMPS AND ACCESS STAIR PLAN AND CROSS SECTIONS	C-02-5
343	FOOTPARH AND PARKING AREA OF NAKASANG PORT	C-02-6
344	NAKASANG PORT PARKING AREA	C-02-7
345	STORM DRAINAGE MANHOLE PLAN AND SECTIONS	ST-01-1
346	O & M MANHOLE DISCHARGE PIPE PLAN AND SECTIONS	ST-01-2
347	NAKASANG RIVERPORT LAYOUT AND PLAN	E-01-1
348	STREET LIGHT POLES FOR NAKASANG RIVERPORT	E-01-2
349	LIGHTING POLES FOR OLD RAILWAY BRIDGE	E-02-1
350	STANDARD CONSTRUCTION FOUNDATION OF LIGHTING POLE	E-02-2
351	HAND RAILS ON BOTH SIDES OF OLD RAILWAY BRIDGE	E-03-1
VIII.	BRIDGE DRAWING	
352	IRL-05 PLAN & PROFILE BRIDGE No.1 Sta. KM 4+097.32	BR-01
353	IRL-05 PLAN & PROFILE BRIDGE No.2 Sta. KM 4+667.43	BR-02
354	IRL-05 PLAN & PROFILE BRIDGE No.3 Sta. KM 5+055.78	BR-03

REVISION:		
No.	Description	Date
A	GENERAL DRAWING	6-12-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_  
  
 TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
**TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT**  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM







PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : LIST OF DRAWING 5/5

SCALE IN A3: AS SHOWN	DATE :	DRAWING No. : LAO - NKS	GR-05
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C H I N A

MYANMAR

# GENERAL MAP



V I E T N A M

T H A I L A N D

PROJECT SITE

C A M B O D I A

REVISION:		
No.	Description	Date
A	GENERAL DRAWING	6-12-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



## Norconsult



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : GENERAL LAYOUT

SCALE IN A3:  
 NOT TO SCALE

DATE :

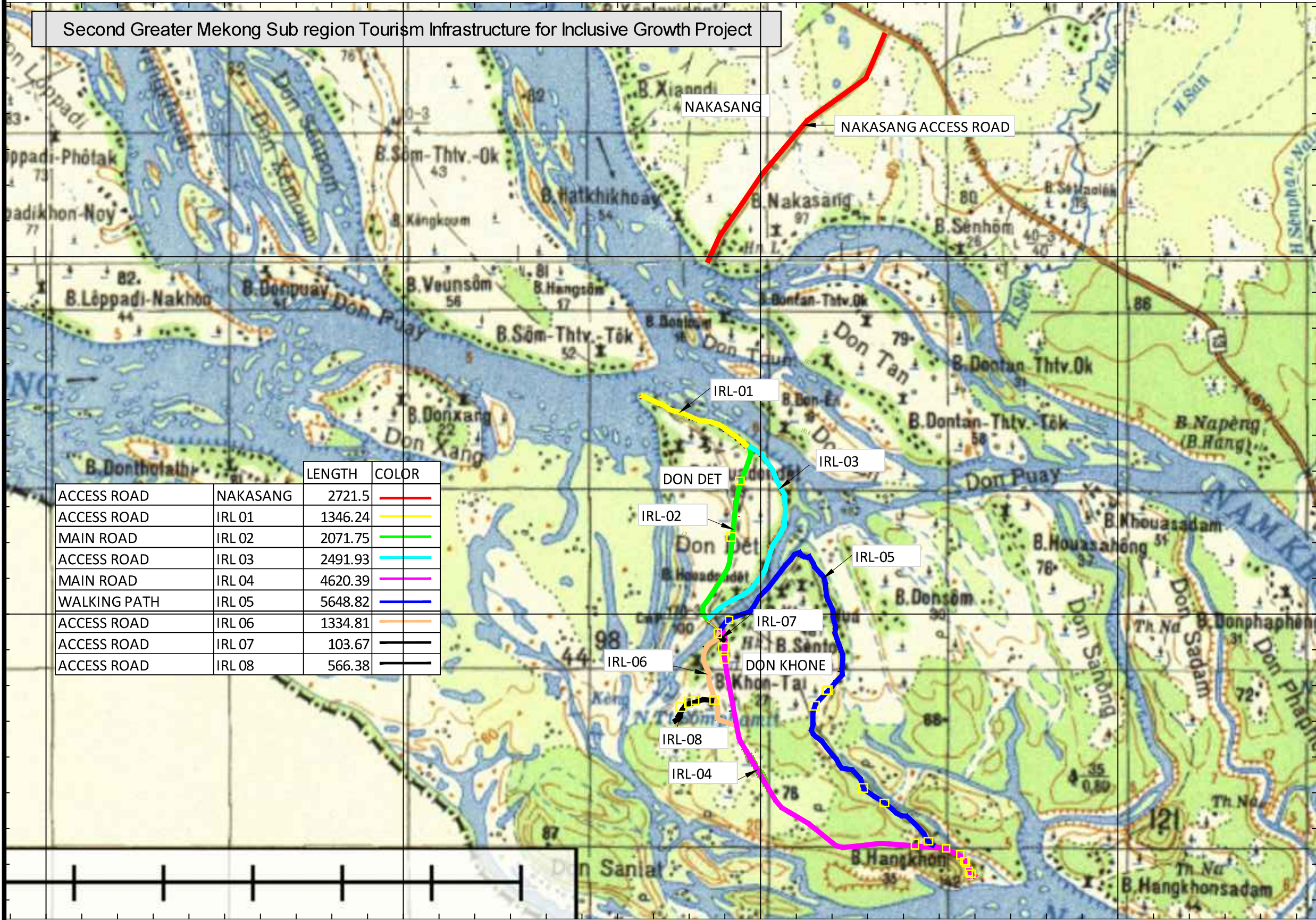
DRAWING No. :

LAO - NKS

GR-06

592000.000 596000.000 600000.000 604000.000

Second Greater Mekong Sub region Tourism Infrastructure for Inclusive Growth Project



		LENGTH	COLOR
ACCESS ROAD	NAKASANG	2721.5	
ACCESS ROAD	IRL 01	1346.24	
MAIN ROAD	IRL 02	2071.75	
ACCESS ROAD	IRL 03	2491.93	
MAIN ROAD	IRL 04	4620.39	
WALKING PATH	IRL 05	5648.82	
ACCESS ROAD	IRL 06	1334.81	
ACCESS ROAD	IRL 07	103.67	
ACCESS ROAD	IRL 08	566.38	

REVISION:		
No.	Description	Date
A	GENERAL DRAWING	6-12-18

592000.000 596000.000 600000.000 604000.000

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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**Norconsult**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : LOCATION OF PROJECT		DRAWING No. :	
SCALE IN A3:	H1/45000	DATE :	GR-07
LAO - NKS			



# LEGEND

## UTILITIES AND DRAINAGE

- EXISTING DITCH
- NEW DITCH
- DITCH BOTTOM
- DRAINAGE CHANNEL, CONCRETE
- MANHOLE ON DRAINAGE CHANNEL
- GUTTER AND INLET DRAIN
- SURFACE RUNOFF
- DRAINAGE PIPE NETWORK
- WATER PIPE
- WATER PIPE WITH FIRE HYDRANT AND STOP VALVE
- SEWER PIPE
- ELECTRIC CABLE UNDERGROUND
- ELECTRIC LINE OVERHEAD
- HIGH VOLTAGE
- TELEPHONE CABLE UNDERGROUND
- TELEPHONE LINE OVERHEAD
- MANHOLE FOR WATER PIPE/CABLE
- EXISTING PIPE CULVERT
- NEW PIPE CULVERT
- EXISTING BOX CULVERT
- NEW BOX CULVERT
- CONTROL CABINET TELEPHONE
- CONTROL CABINET ELECTRIC
- MANHOLE FOR TEL OR ELECTRIC
- POWER TRANSFORMER
- ELECTRICITY PYLON
- EXISTING ELECTRIC/TEL POLE
- NEW ELECTRIC/TEL POLE

## ROAD AND TRAFFIC

- LAMP POST
- ELECTRIC POLE TO BE REMOVED
- BILLBOARD, SINGLE FACE
- BILLBOARD, DOUBLE FACE
- TELEPHONE BOX
- CENTERLINE OF ROAD
- EXISTING ROAD
- ROAD PROPOSED
- EXISTING SHOULDER EDGE OR CURB
- CURB, PLANNED
- DROPPED CURB AND INLET TYPE (PROPOSED)
- SLOPE
- NEW BRIDGE
- OLD BRIDGE
- EXISTING GUARDRAIL
- PROPOSED GUARDRAIL
- PROPOSED GUIDE POSTS
- CONCRETE BARRIER
- TRAFFIC SIGNAL
- ROAD SIGN
- PAVEMENT MARKING
- BOTTOM OF BANK

## ON PLAN OR MAP

- POND
- HUT
- BUILDING, HOUSE, ONE STOREY WOOD
- HOUSE, TWO STOREY BRICK AND WOOD
- BUILDING, HOUSE, TWO STOREY CONCRETE / BRICK
- PORCH ( VERANDA )
- HOUSE TO BE REMOVED
- PADDY FIELD
- EXISTING TREE
- PROPOSED TREE
- HEDGE
- WOODEN FENCE
- BARBED WIRE/WIRE MESH FENCE
- WALL ( CONCRETE BLOCK )
- RAILING
- RETAINING WALL
- FENCE TO BE REMOVED
- NORTH ARROW
- COORDINATES
- STATION POINT
- BENCH MARK
- GPS POINT
- BORE HOLE (BH)
- FLOW DIRECTION
- TO DIRECTION

- SECTION A-A
- REINFORCEMENT BARS IN NEAR OR TOP FACE.
- REINFORCEMENT BARS IN FAR OR BOTTOM FACE.
- 21 : NUMBER OF BARS WITH IN MARKED AREA.
- Ø 25 : BAR DIAMETER IN mm.
- @200 : DISTANCE OF BARS CENTER TO BARS CENTER.
- A4 : BENDING TYPE AND REFERENCE NUMBER.
- CONTOUR (MAJOR)
- CONTOUR (MINOR)
- DETOUR
- DIFFERENT LENGTH OF BAR WITH THE SAME NUMBER
- DIAMETER
- PERCENT
- SPACING
- CENTER LINE
- SHRUBS
- BAMBOO
- DENSE FOREST
- LIGHT FOREST
- IP INTERSECTION POINT
- FOREST

## PROFILE

- EXISTING LEVEL / TERRAIN PROFILE
- GRADE LEVEL PROPOSED
- PIPE CULVERT
- BOX CULVERT
- 0.00 ELEVATION
- 10.00 ELEVATION
- (HIGH) WATER LEVEL

## GENERAL REMARKS

WHEN THE SYMBOL FOR EXISTING AND PLANNED OBJECTS IS SIMILAR:

- THICKNESS LINES (0.18-0.3mm) =EXISTING
- THICKNESS LINES (0.4-0.7mm) =PLANNED

- SBST
- DBST
- GRAVEL
- CONCRETE PAVEMENT.
- CONCRETE BLOCK.
- CONCRETE BLOCK SLOPE PROTECTION.
- TURFING.
- TREE.
- IXORA

REVISION:		
No.	Description	Date
A	GENERAL DRAWING	6-12-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
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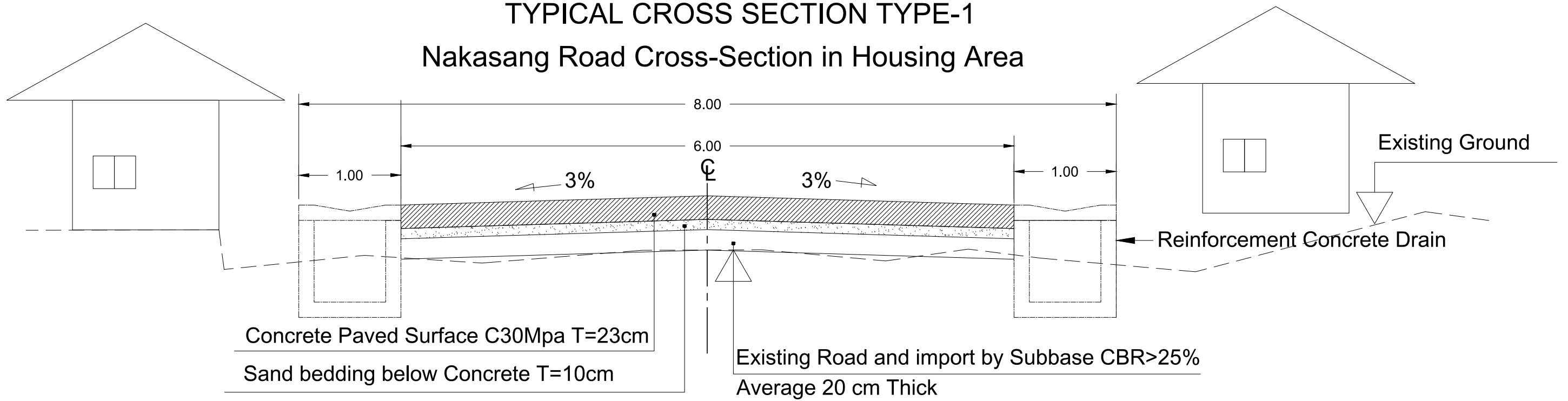
PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ABBREVIATIONS AND SYMBOLS

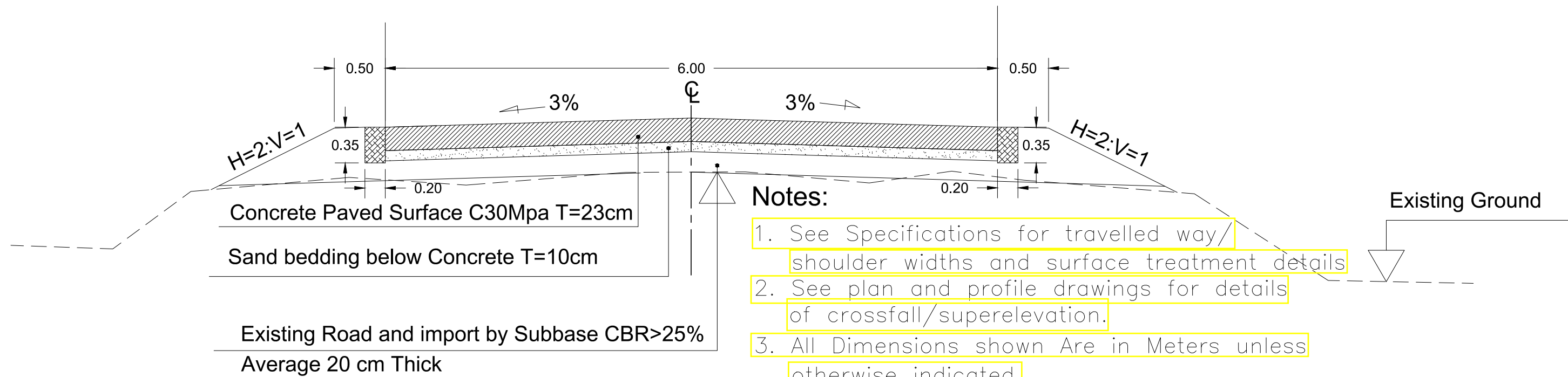
SCALE IN A3: NOT TO SCALE	DATE :	DRAWING No. : LAO - NKS	GR-08
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## II. TYPICAL CROSS SECTION

## TYPICAL CROSS SECTION TYPE-1 Nakasang Road Cross-Section in Housing Area



## TYPICAL CROSS SECTION TYPE-2 Nakasang Road Cross-Section Rice Field Area



**Notes:**

1. See Specifications for travelled way/shoulder widths and surface treatment details
2. See plan and profile drawings for details of crossfall/superelevation.
3. All Dimensions shown Are in Meters unless otherwise indicated.
4. The typical cross section of use See drawing No.TC-05.

REVISION:		
No.	Description	Date
A	TYPICAL CROSS SECTION	7-11-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

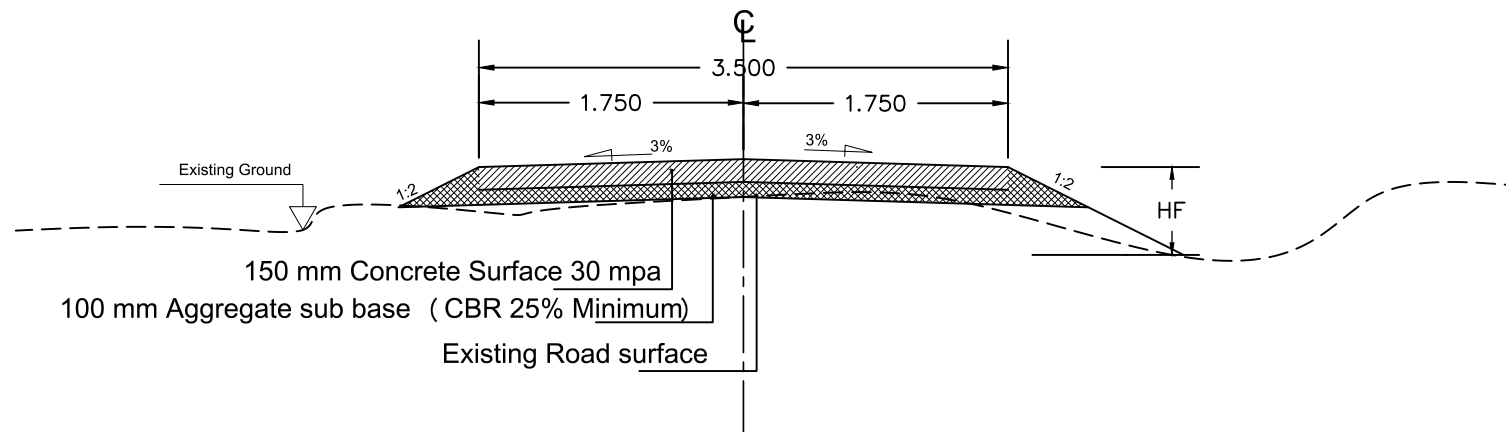
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : TYPICAL CROSS - SECTIONS NAKASANG ACCESS ROAD TYPE-1 TO TYPE-2			
SCALE IN A3:	DATE :	DRAWING No. :	TC-01
AS SHOWN		LAO - NKS	

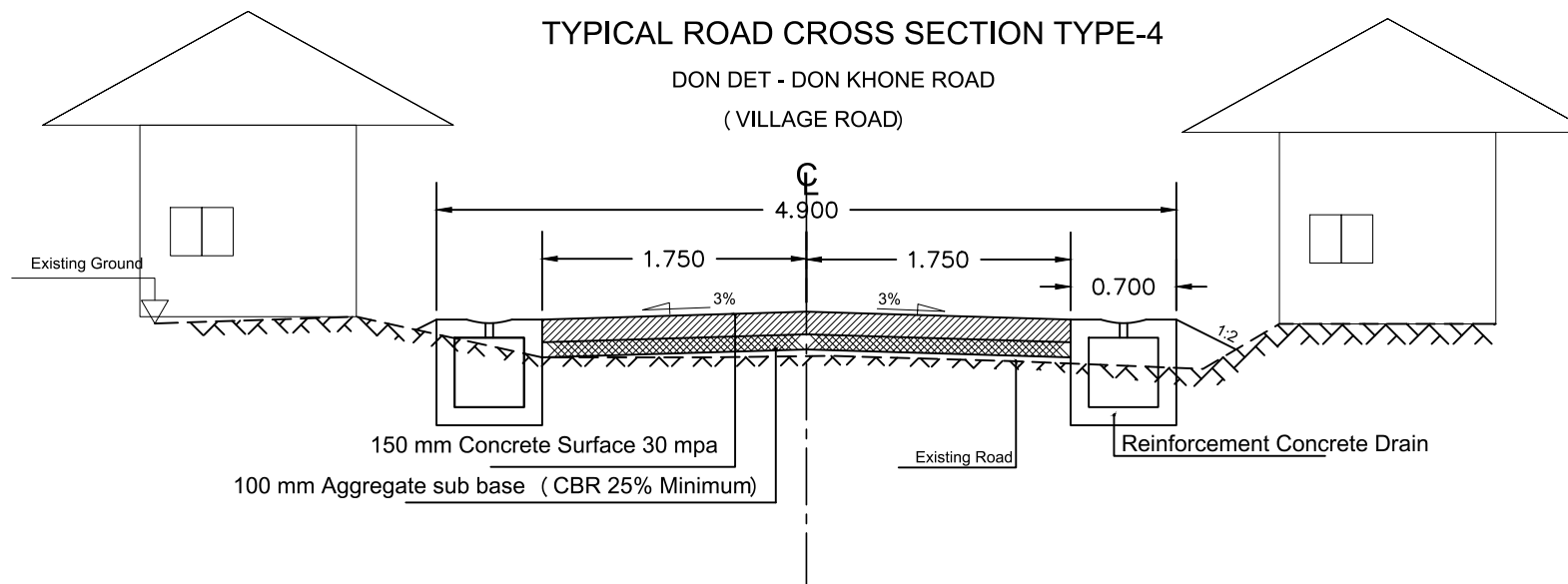
### TYPICAL ROAD CROSS SECTION TYPE-3

DON DET - DON KHONE ROAD  
DON DET TO RAIL ROAD BRIDGE SECTION



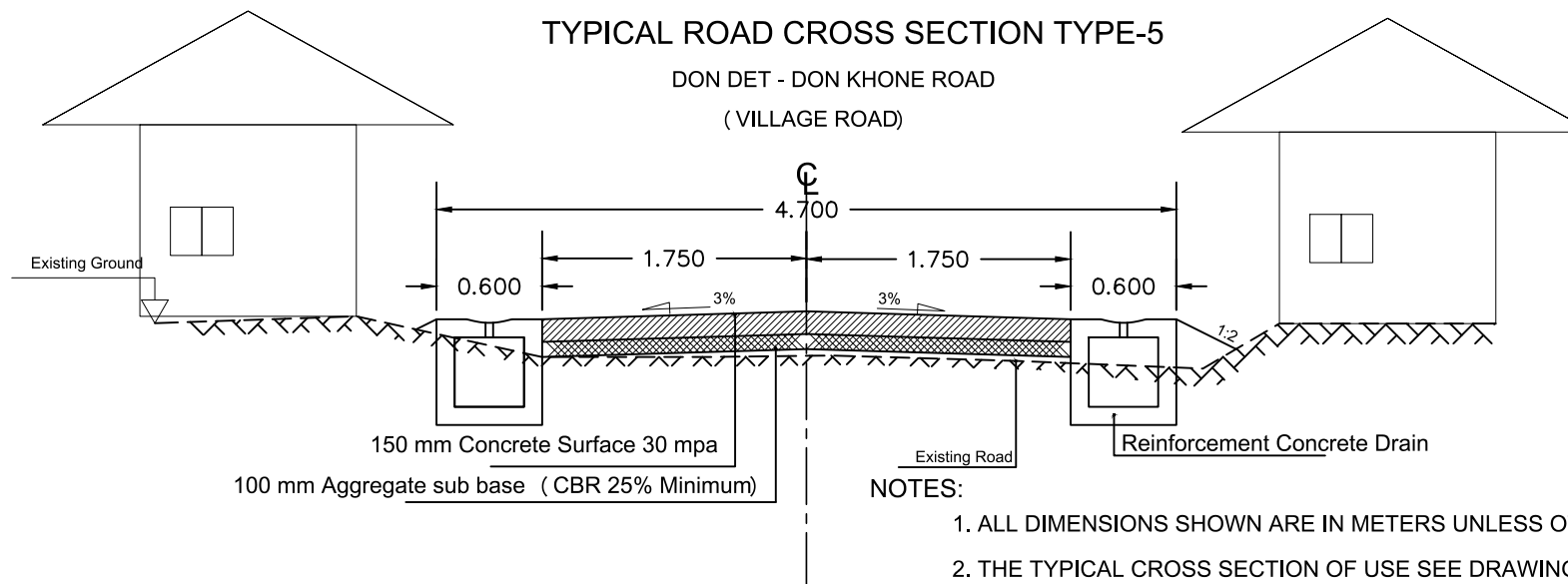
### TYPICAL ROAD CROSS SECTION TYPE-4

DON DET - DON KHONE ROAD  
(VILLAGE ROAD)



### TYPICAL ROAD CROSS SECTION TYPE-5

DON DET - DON KHONE ROAD  
(VILLAGE ROAD)



**NOTES:**

1. ALL DIMENSIONS SHOWN ARE IN METERS UNLESS OTHERWISE INDICATED.
2. THE TYPICAL CROSS SECTION OF USE SEE DRAWING No.TC-05.

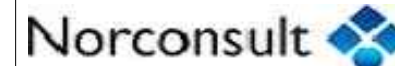
REVISION:		
No.	Description	Date
A	TYPICAL CROSS SECTION	7-11-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM

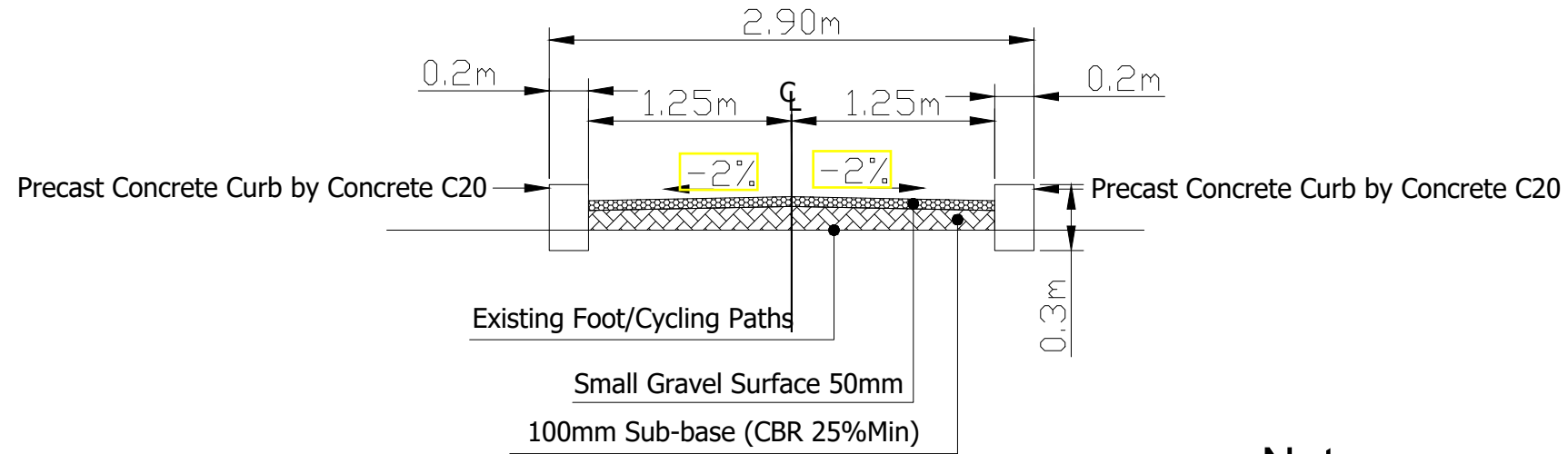


PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : TYPICAL CROSS - SECTIONS DONE DET AND KHONE ACCESS ROAD TYPE-3 TO TYPE-5

SCALE IN A3:	DATE :	DRAWING No. :	TC-02
AS SHOWN		LAO - NKS	

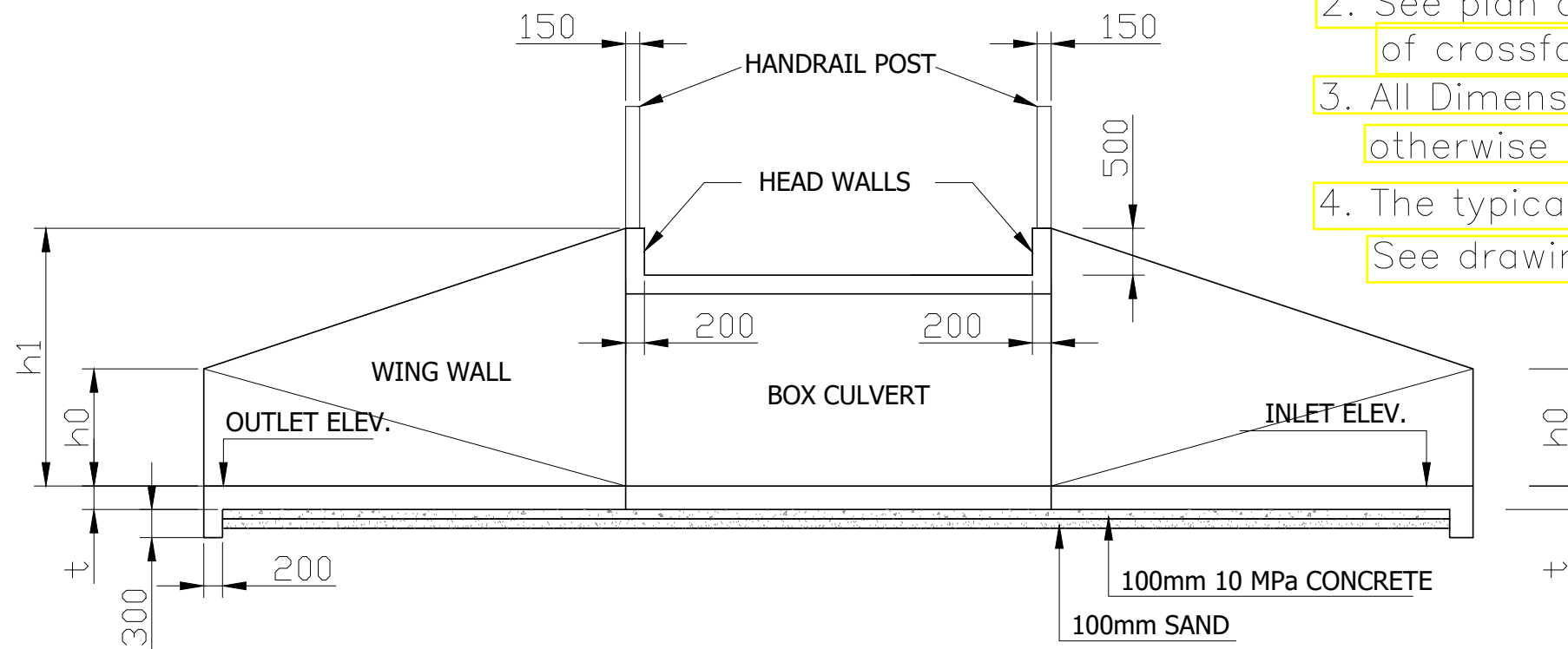
TYPICAL CROSS SECTION TYPE-6  
FOOT/CYCLING PATHS



Notes:

1. See Specifications for Walking way/ Curb widths and surface treatment details
2. See plan and profile drawings for details of crossfall/superelevation.
3. All Dimensions shown Are in Millimeters unless otherwise indicated.
4. The typical cross section of use See drawing No.TC-05.

TYPICAL CROSS SECTION TYPE-7  
FOOT/CYCLING PATHS



TYPICAL CROSS-SECTION FOOT/CYCLING BRIDGE OR BOX CULVERT

NOT TO SCALE

REVISION:		
No.	Description	Date
A	TYPICAL CROSS SECTION	7-11-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:  
DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

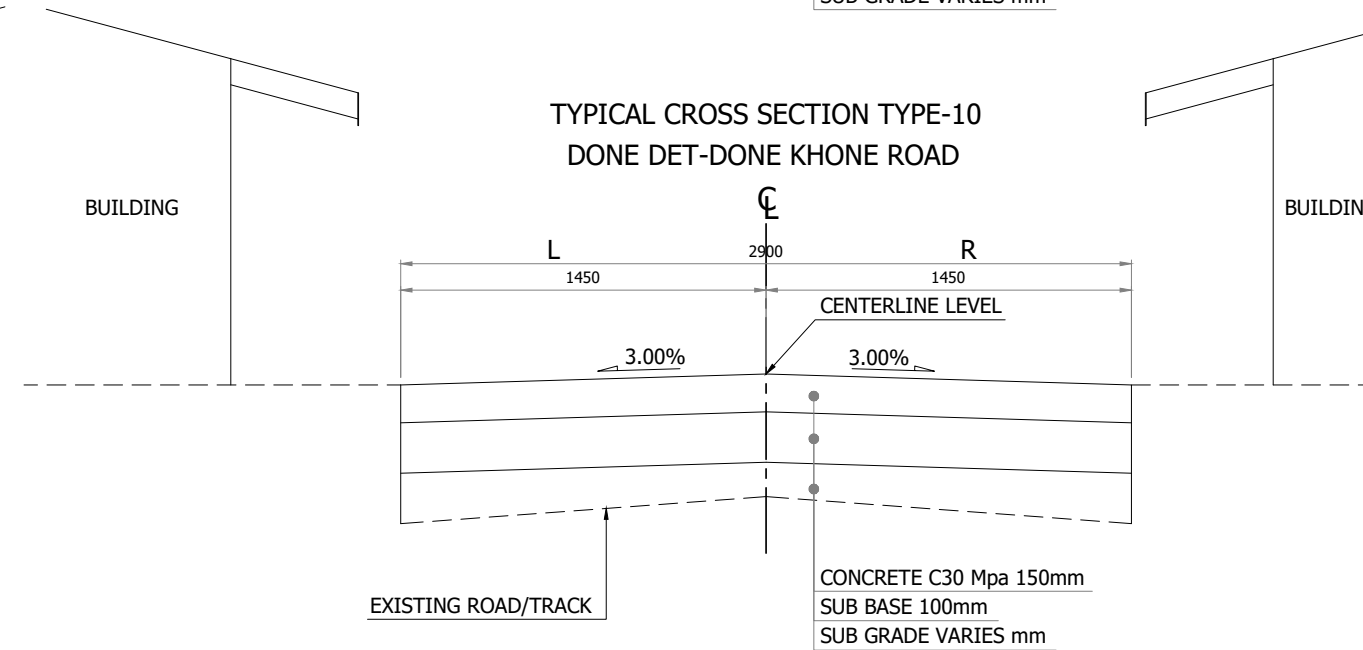
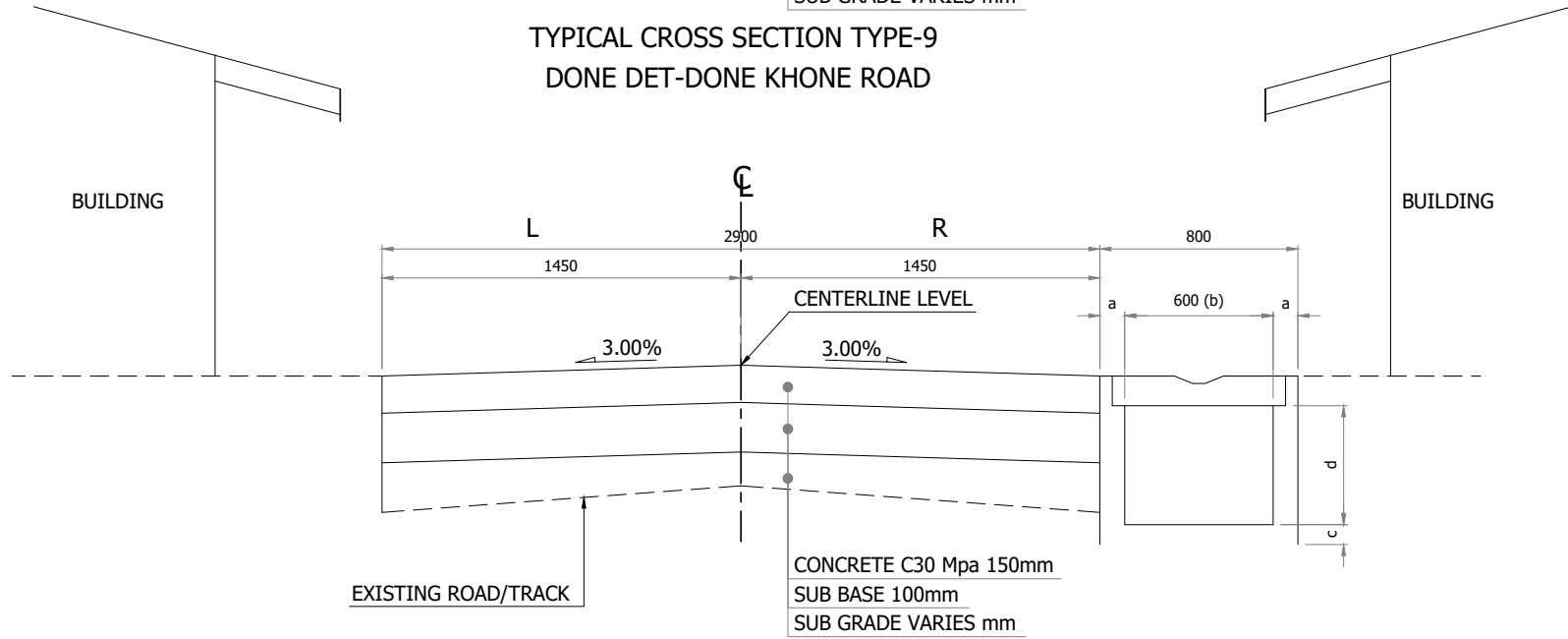
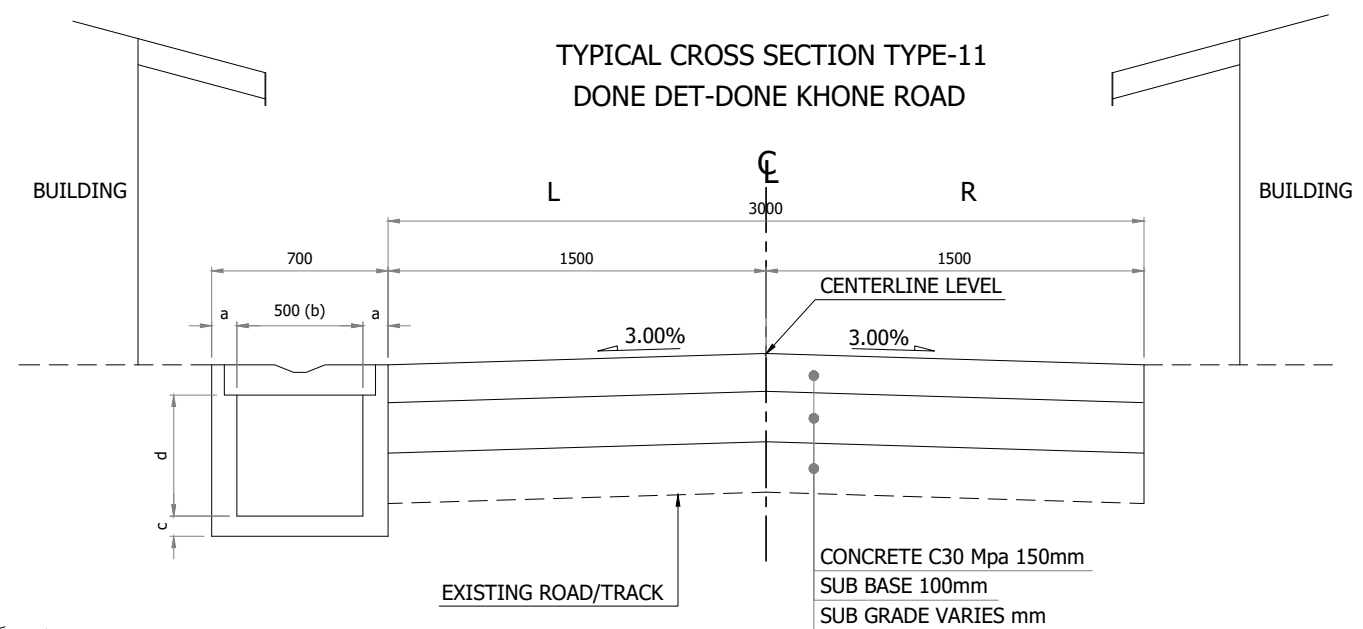
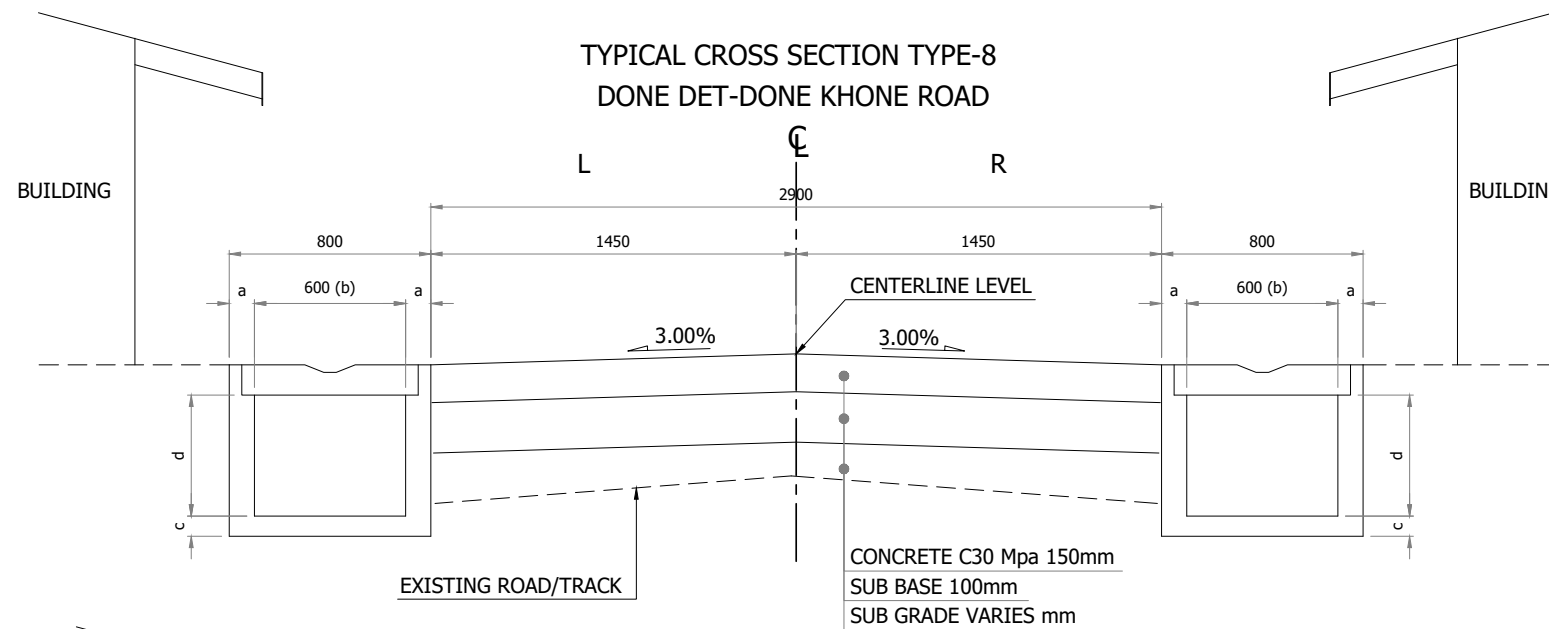
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : TYPICAL CROSS - SECTIONS DONE DET & KHON WALKING AND CYCLING PATH DETAIL TYPE-6 TO TYPE-7

SCALE IN A3:	DATE :	DRAWING No. :	TC-03
AS SHOWN		LAO - NKS	



**NOTES:**

1. ALL DIMENSIONS SHOWN ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
2. THE TYPICAL OF DRAINAGE DITCH CAN BE SEEN WITH PLAN OF THE ROAD AND DRAINAGE DIRECTION, THEN CAN BE CONSTRUCTED AS DESIGN DRAWING.
3. THE WALL THICKNESS OF DRAINAGE DITCH ARE 80mm FOR SIZE 300x400mm - 300x500mm AND 100mm FOR SIZE 500x500mm - 1000x1000mm.
4. THE STEEL BAR IS CALCULATED 67.64kg/m<sup>3</sup> FOR NORMAL WALL AND 70kg/m<sup>3</sup> FOR BOX CULVERT.
5. THE TYPICAL CROSS SECTION OF USE SEE DRAWING No.TC-05.

REVISION:		
No.	Description	Date
A	TYPICAL CROSS SECTION	7-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM







PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : TYPICAL CROSS - SECTIONS DONE DET AND KHONE ACCESS ROAD TYPE-8 TO TYPE-11			
SCALE IN A3:	DATE :	DRAWING No. :	TC-04
AS SHOWN		LAO - NKS	

TABLE OF TYPE FOR TYPICAL CROSS SECTION

LOCATION	STA. TO STA.		TYPE OF TYPICAL CROSS SECTION	WIDE (m)	DICTH WIDE (m)		TYPE OF RC U-DRAIN	REMARK
					LEFT	RIGTH		
NAKASANG ROAD	0+000	0+220	1 (SEE DRAW No.TC-01)	6.00	0.80	0.80	C3 (SEE DRAW No.SD-18)	VILLAGE
	0+220	0+560	2 (SEE DRAW No.TC-01)	6.00	NONE	NONE	-	NONE VILLAGE
	0+560	1+300	1 (SEE DRAW No.TC-01)	6.00	0.80	0.80	C3 (SEE DRAW No.SD-18)	VILLAGE
	1+300	2+040	2 (SEE DRAW No.TC-01)	6.00	NONE	NONE	-	NONE VILLAGE
	2+040	2+721.53	1 (SEE DRAW No.TC-01)	6.00	0.80	0.80	C3 (SEE DRAW No.SD-18)	VILLAGE
NAKASANG TO PARKING ROAD	0+000	0+050	1 (SEE DRAW No.TC-01)	6.00	0.80	0.80	C3 (SEE DRAW No.SD-18)	VILLAGE
IRL-01	0+000	1+346.42	11 (SEE DRAW No.TC-04)	3.00	0.40	NONE	B2 (SEE DRAW No.SD-18)	VILLAGE
IRL-02	0+000	2+071.57	3 (SEE DRAW No.TC-02)	3.50	NONE	NONE	-	NONE VILLAGE
IRL-03	0+000	0+240	8 (SEE DRAW No.TC-04)	2.90	0.40	0.40	B2 (SEE DRAW No.SD-18)	VILLAGE
	0+240	1+020	10 (SEE DRAW No.TC-04)	2.90	NONE	NONE	-	NONE VILLAGE
	1+020	2+080	9 (SEE DRAW No.TC-04)	2.90	NONE	0.40	B2 (SEE DRAW No.SD-18)	VILLAGE
	2+080	2+491.19	8 (SEE DRAW No.TC-04)	2.90	0.40	0.40	B2 (SEE DRAW No.SD-18)	VILLAGE
IRL-04	0+000	4+620.39	3 (SEE DRAW No.TC-02)	3.50	NONE	NONE	-	VILLAGE
IRL-05	0+000	1+560	4 (SEE DRAW No.TC-02)	3.50	0.60	0.60	C2 (SEE DRAW No.SD-18)	VILLAGE
	1+560	1+940	3 (SEE DRAW No.TC-02)	3.50	NONE	NONE	-	NONE VILLAGE
	1+940	2+780	4 (SEE DRAW No.TC-02)	3.50	0.60	0.60	C2 (SEE DRAW No.SD-18)	VILLAGE
	2+780	5+648.82	6 (SEE DRAW No.TC-03)	2.50	CURB=0.20	CURB=0.20	-	NONE VILLAGE
IRL-06	0+000	0+520	5 (SEE DRAW No.TC-02)	3.50	0.40	0.40	B2 (SEE DRAW No.SD-18)	VILLAGE
	0+520	1+334.81	3 (SEE DRAW No.TC-02)	3.50	NONE	NONE	-	NONE VILLAGE
IRL-07	0+000	0+103.64	5 (SEE DRAW No.TC-02)	3.50	0.40	0.40	B2 (SEE DRAW No.SD-18)	VILLAGE
IRL-08	0+000	0+566.38	3 (SEE DRAW No.TC-02)	3.50	NONE	NONE	-	NONE VILLAGE

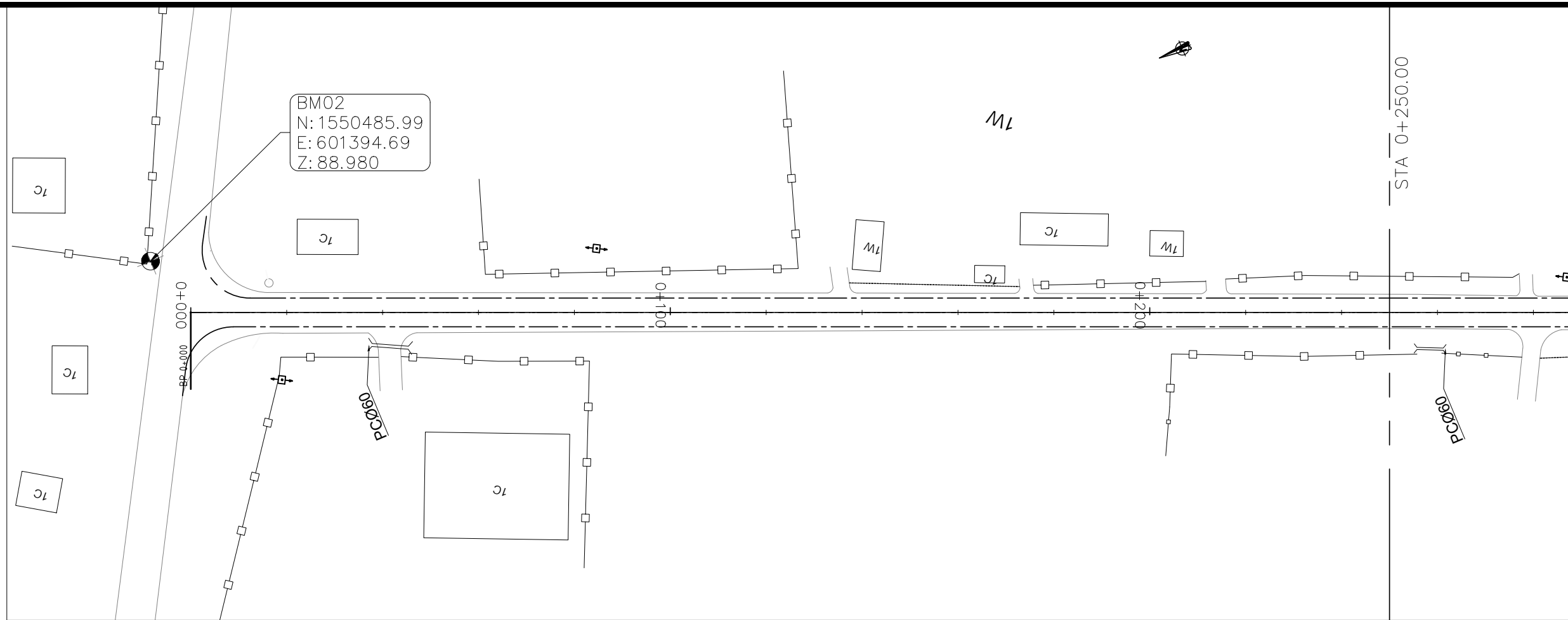
REVISION:		
No.	Description	Date
A	TYPICAL CROSS SECTION	7-11-18

Designed: TO Drawing: SS Checked: JEFJ Reviewed: _____  TITLE: _____  DATE: _____	ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT Project-Lao PDR	  
	 LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR) MINISTRY OF INFORMATION, CULTURE & TOURISM	PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT DRAWING TITLE : TABLE OF TYPE FOR TYPICAL CROSS SECTION SCALE IN A3: AS SHOWN      DATE : _____      DRAWING No. : LAO - NKS

# **III.1. A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION**



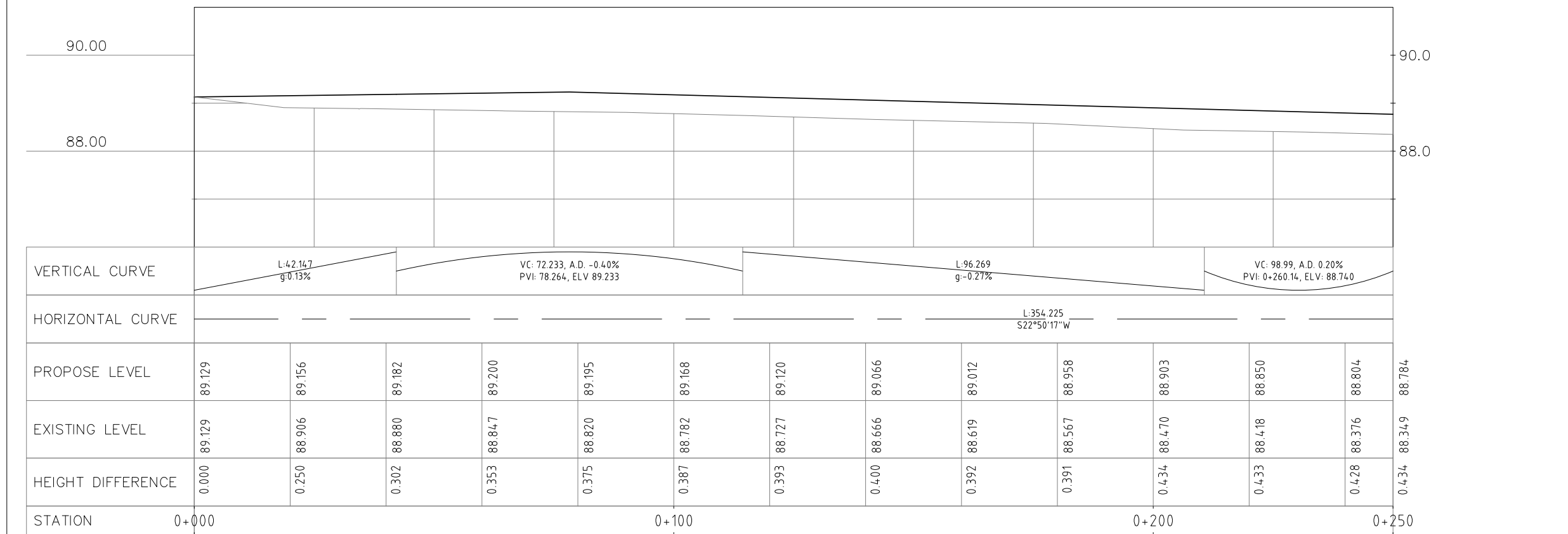
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	13-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

**CADTIS-Consultant**

**LAO-Asean Engineering Consultants Sole CO.,LTD.**

PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD NAKASANG PLAN AND PROFILE Sta: km0+000 - 0+250

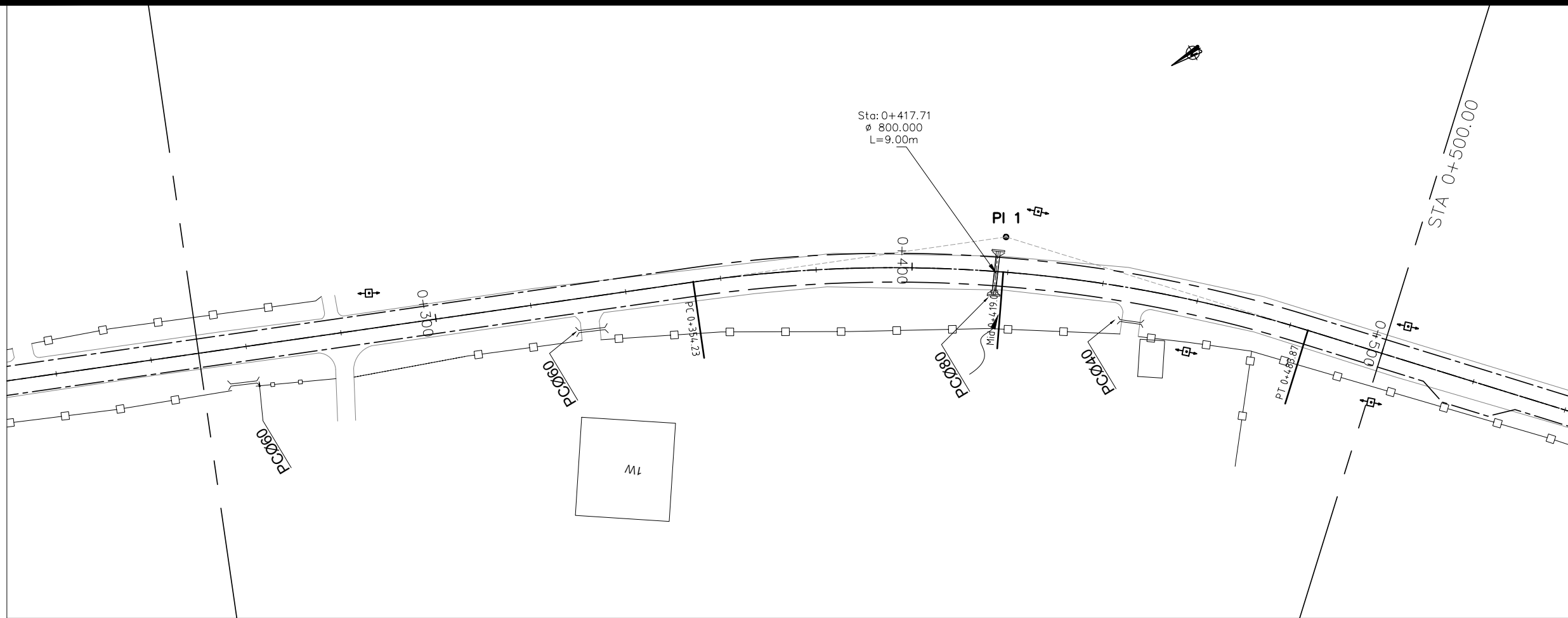
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DRAWING No.: LAO - NKS

C - 01-02

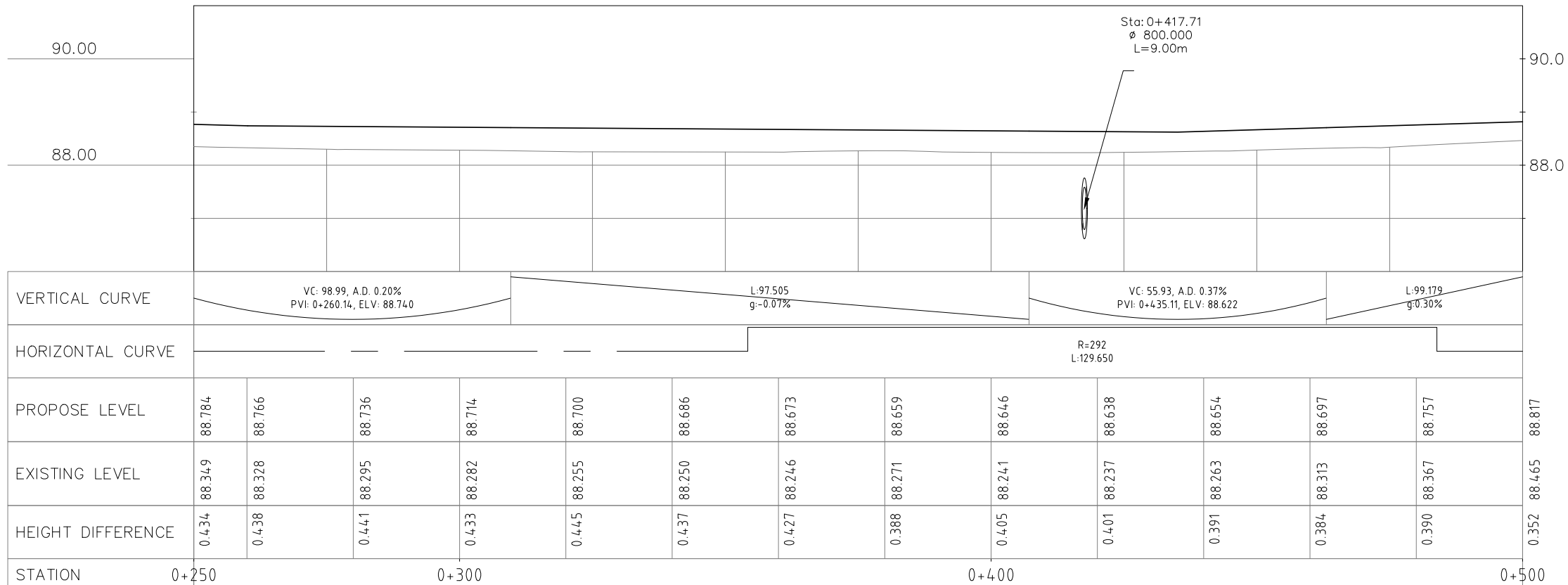
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	13-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE:  
 DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD NAKASANG PLAN AND PROFILE Sta: km0+250-0+500

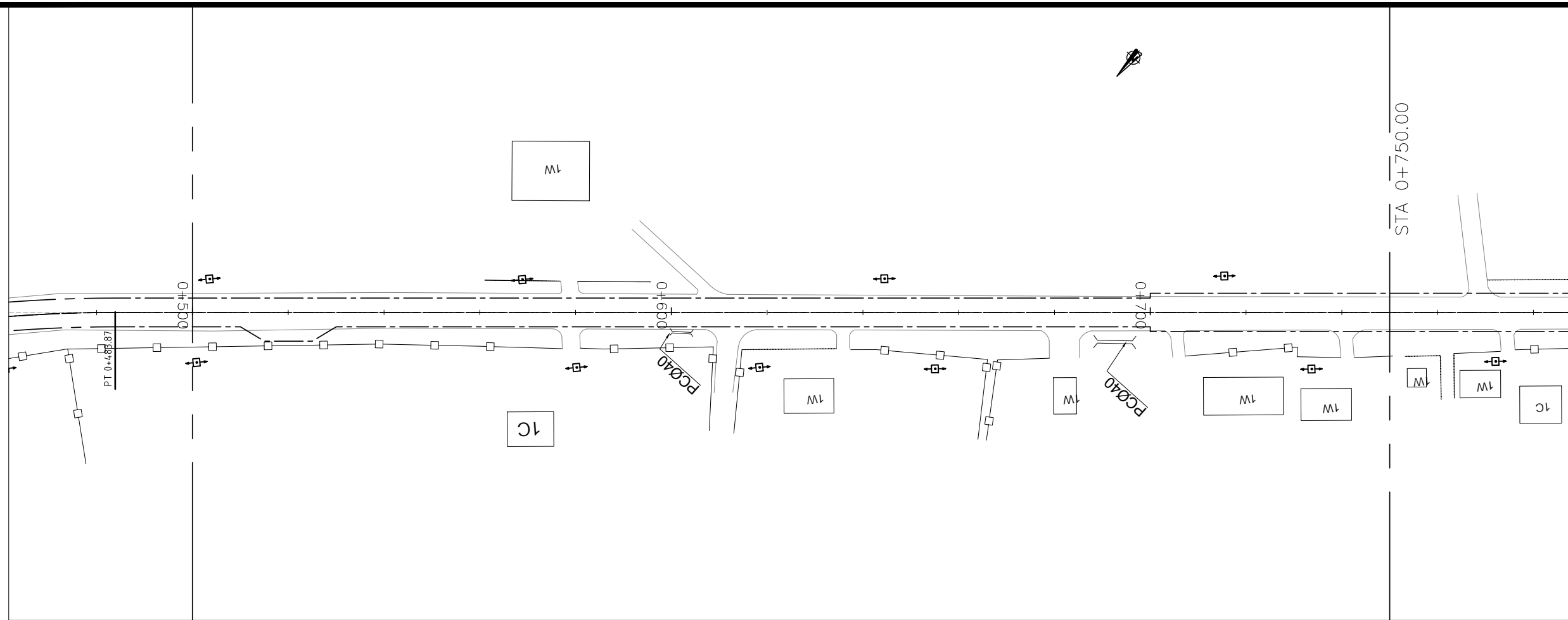
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DRAWING No.: LAO - NKS

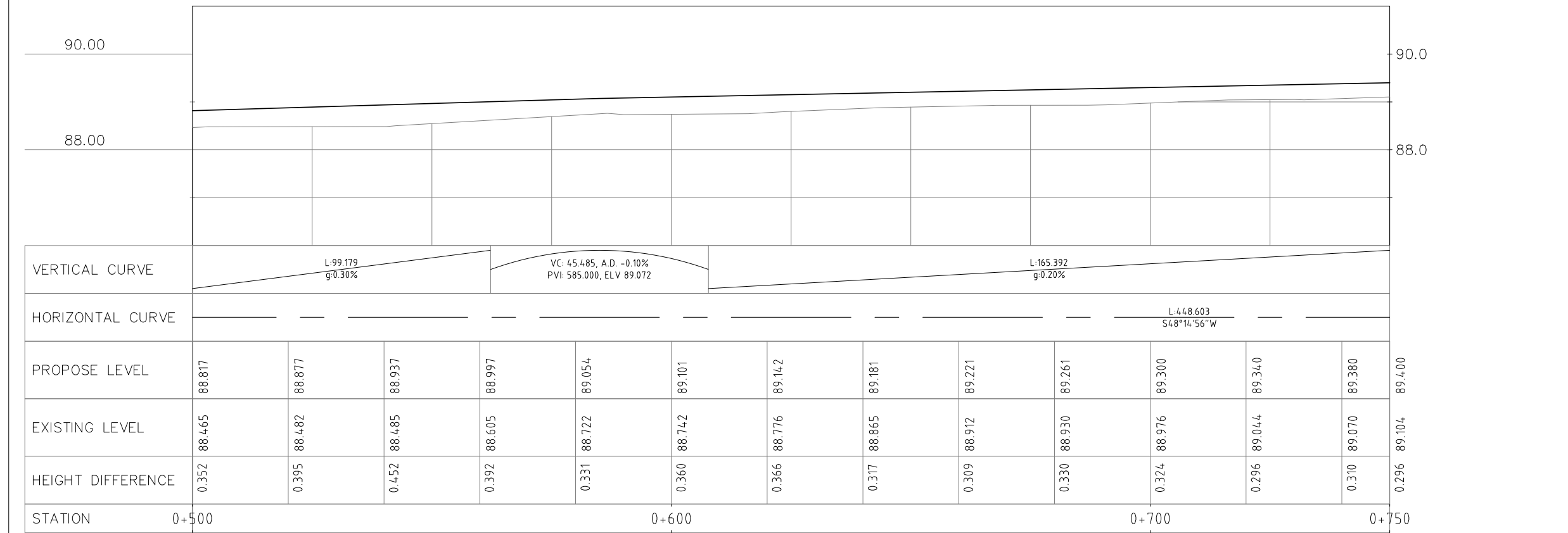
C - 01-03

PLAN VIEW



- LEGEND:**
- NORTH DIRECTION
  - CONCRETE BENCH MARK
  - ELECTRIC POLE
  - PROPOSED FINISHED ROAD
  - EXISTING ROAD
  - LIGHT FOREST
  - DENSE FOREST
  - RICE FIELD
  - WOOD HOUSE (ONE STOREY)
  - CONCRETE-WOOD HOUSE (TWO STOREY)
  - CONCRETE HOUSE (TWO STOREY)
  - CONCRETE HOUSE (ONE STOREY)
  - PIPE CULVERT
  - BOX CULVERT
  - FENCE

PROFILE VIEW



**REVISION:**

No.	Description	Date
A	Plan and Profile	13-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

**CADTIS-Consultant**

**LAO-Asean Engineering Consultants Sole CO.,LTD.**

PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD NAKASANG PLAN AND PROFILE Sta:km0+500-0+750

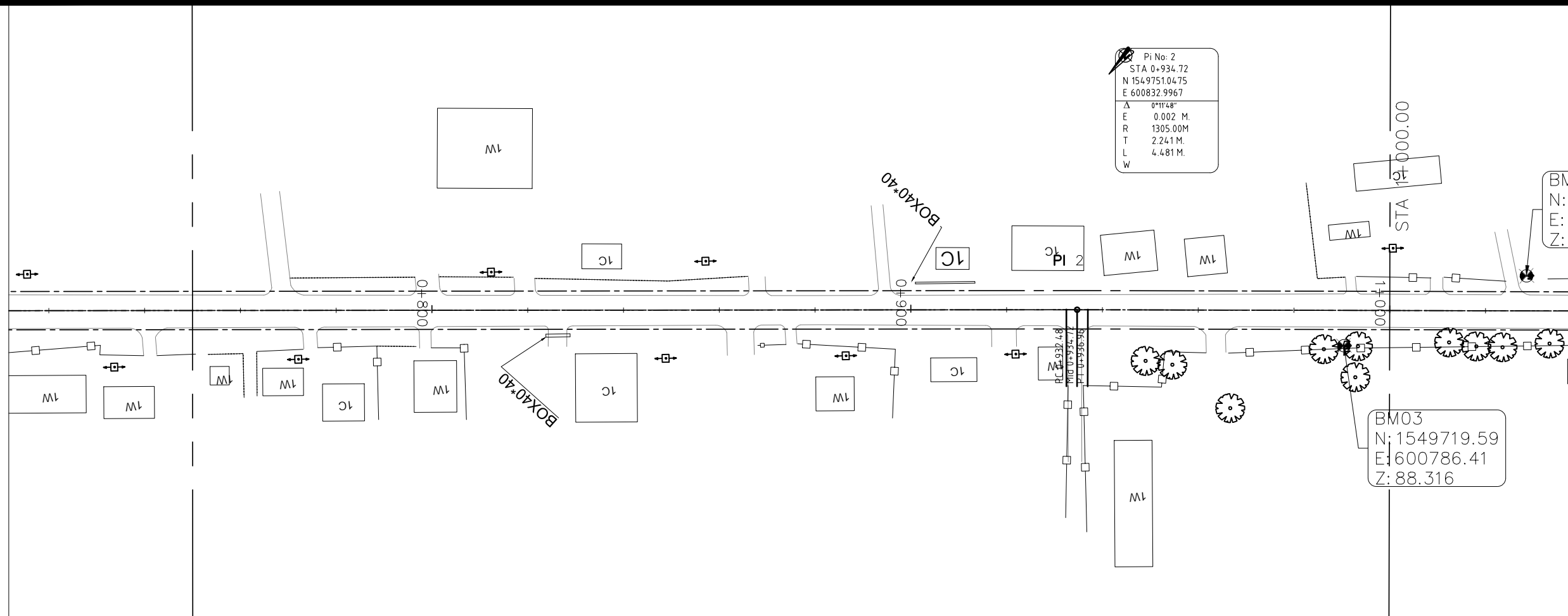
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DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

C - 01-04

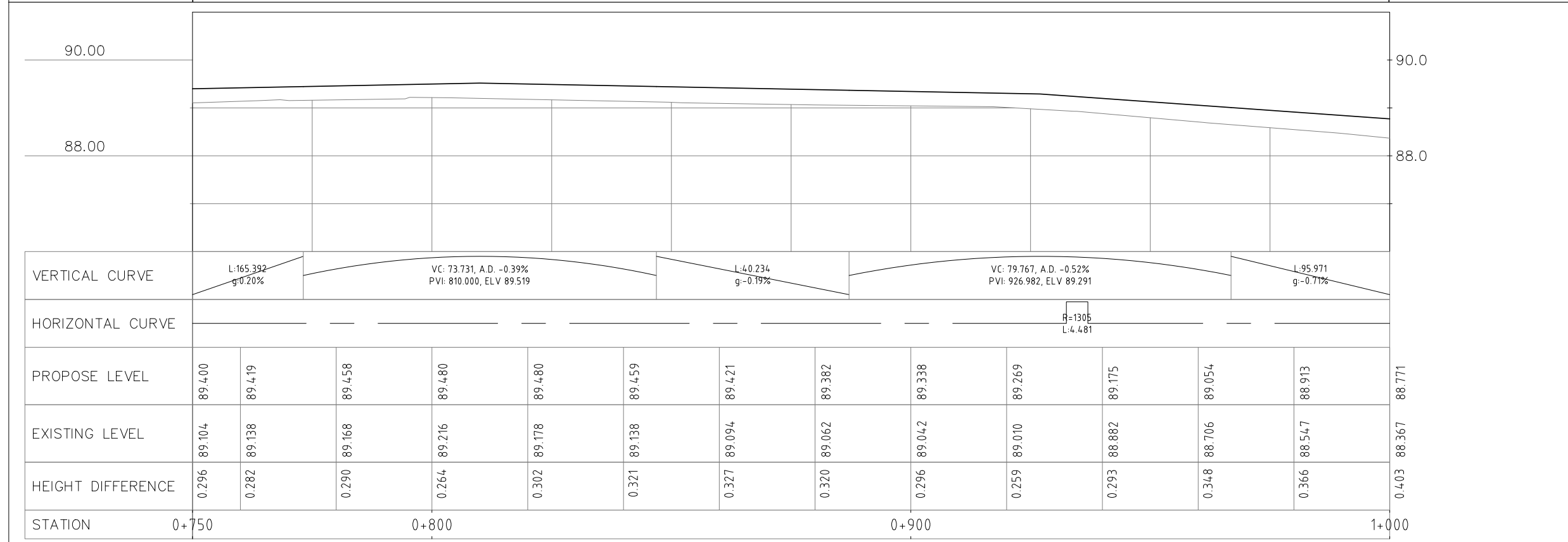
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	13-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD NAKASANG PLAN AND PROFILE Sta: km0+750-1+000

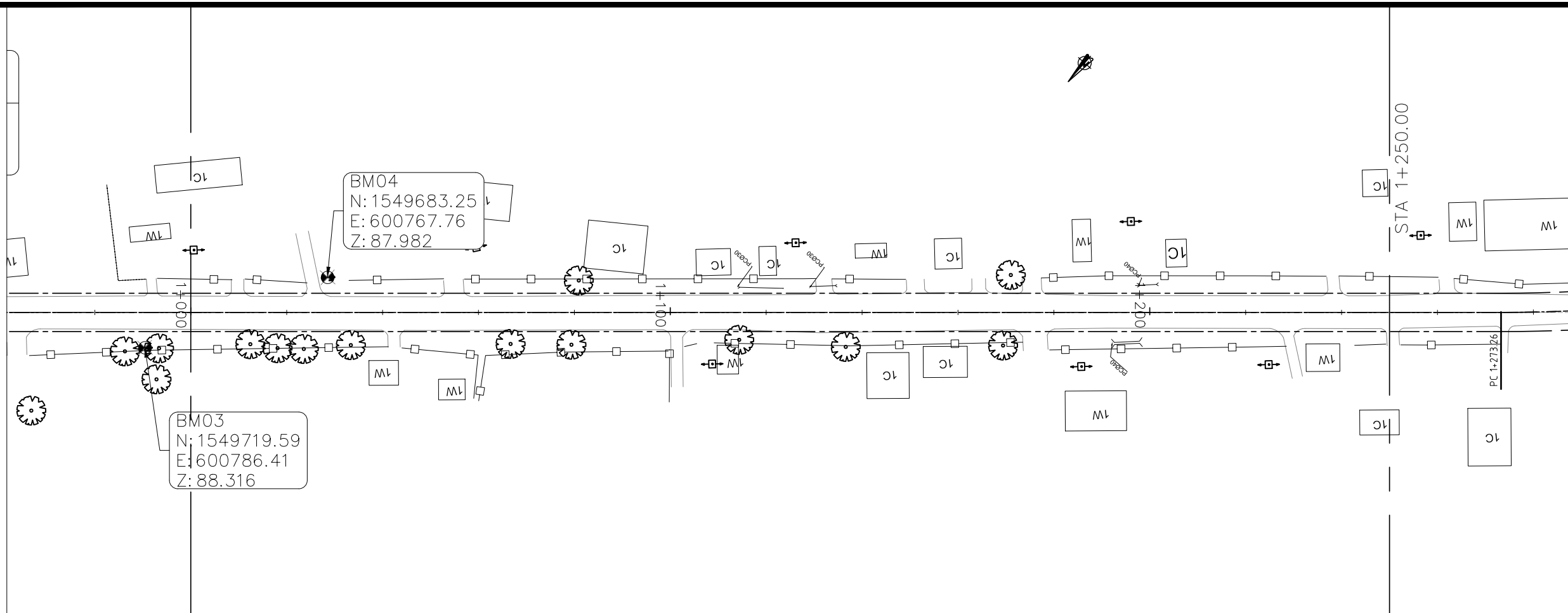
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DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

C - 01-05

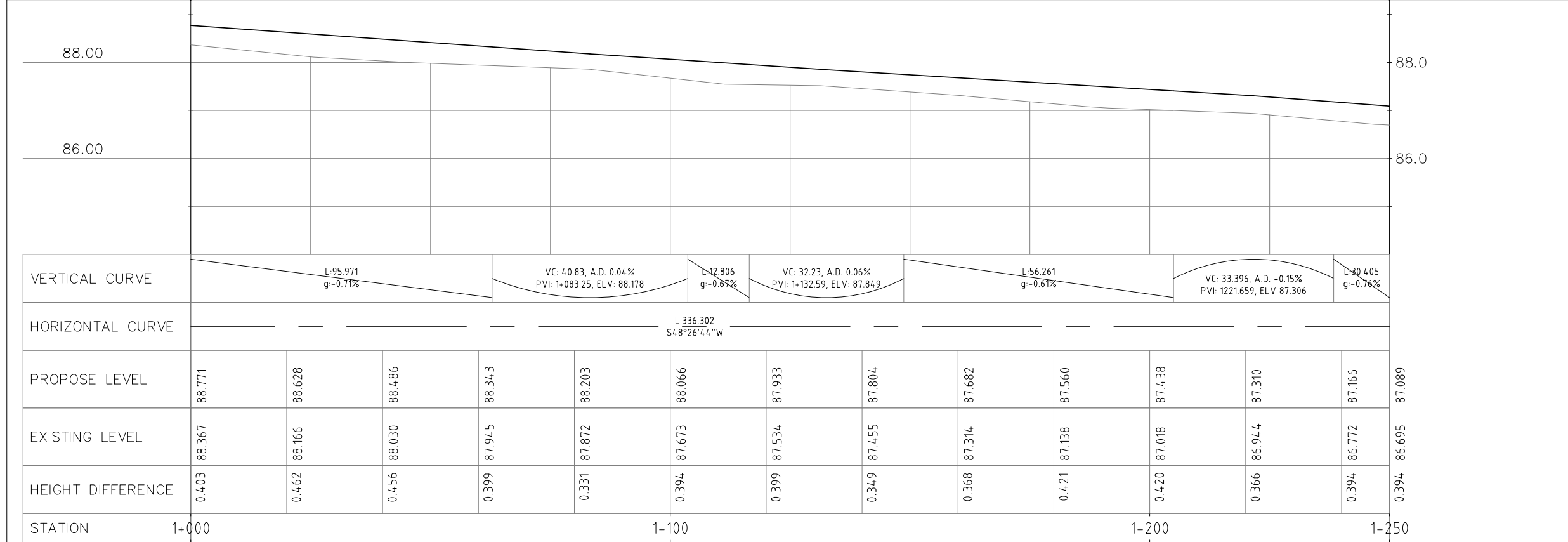
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	13-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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**Norconsult**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD NAKASANG PLAN AND PROFILE Sta: k1+000-1+250

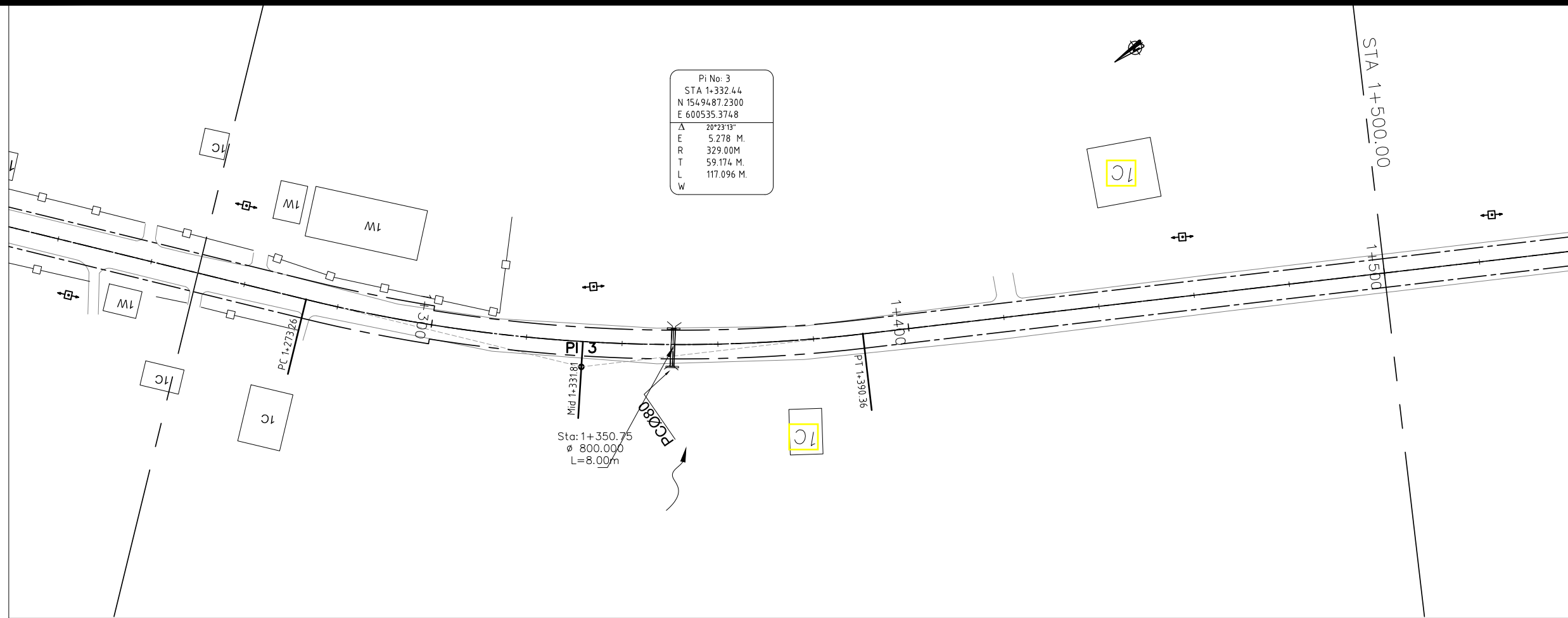
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DRAWING No.: LAO - NKS

C - 01-06

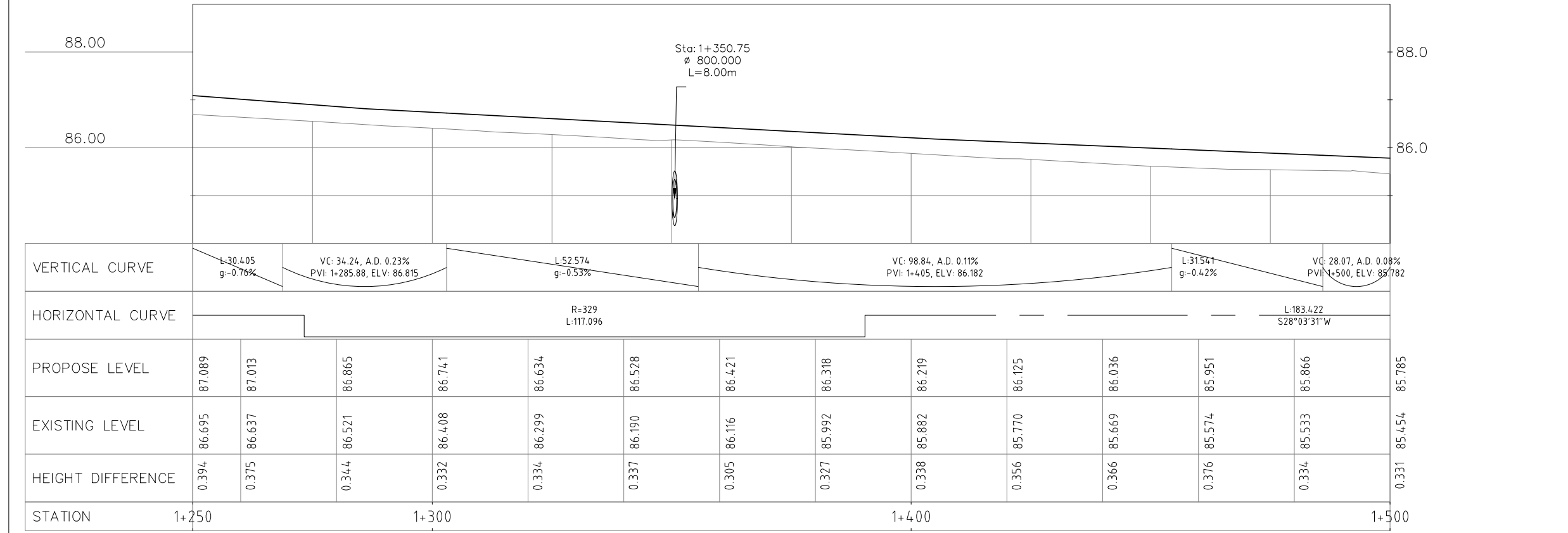
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSD FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	13-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_  
  
 TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



**Norconsult**     

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD NAKASANG PLAN AND PROFILE Sta: km1+250-1+500

SCALE IN A3: H1/1000  
 V1/100

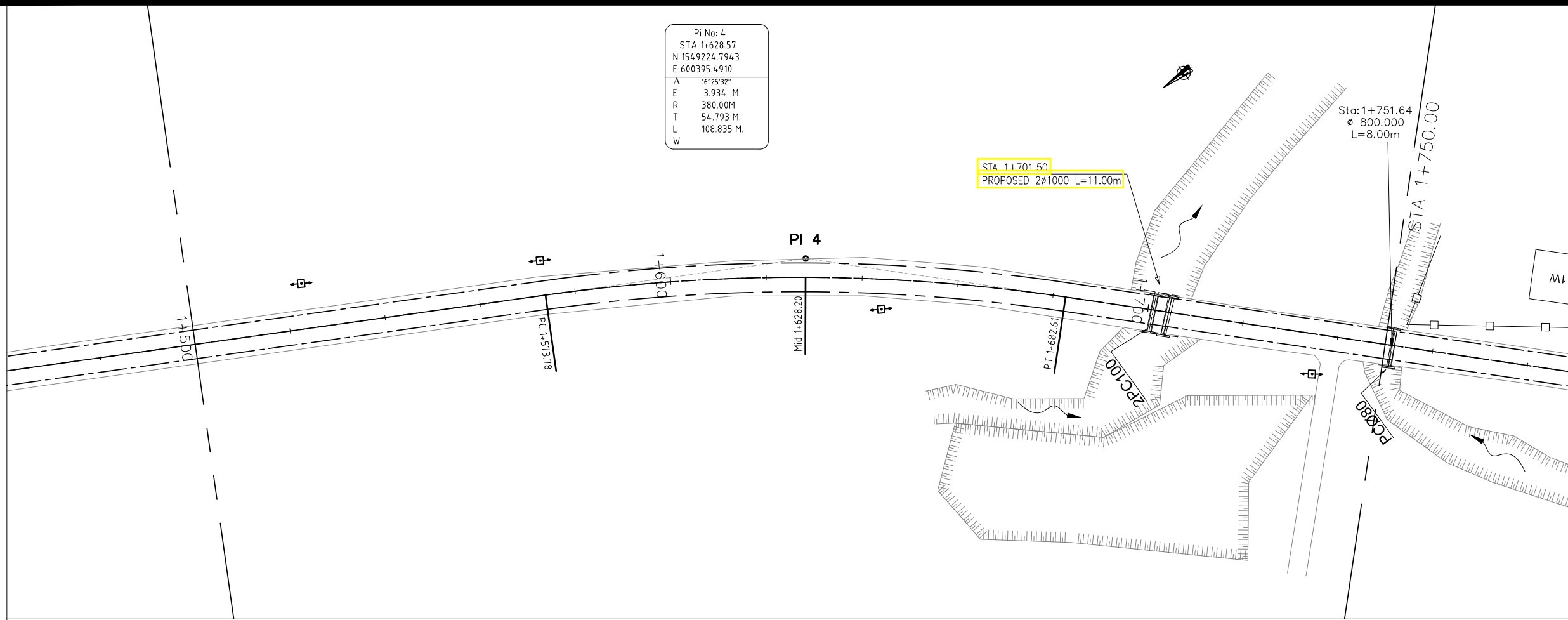
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DRAWING No.: LAO - NKS

C - 01-07

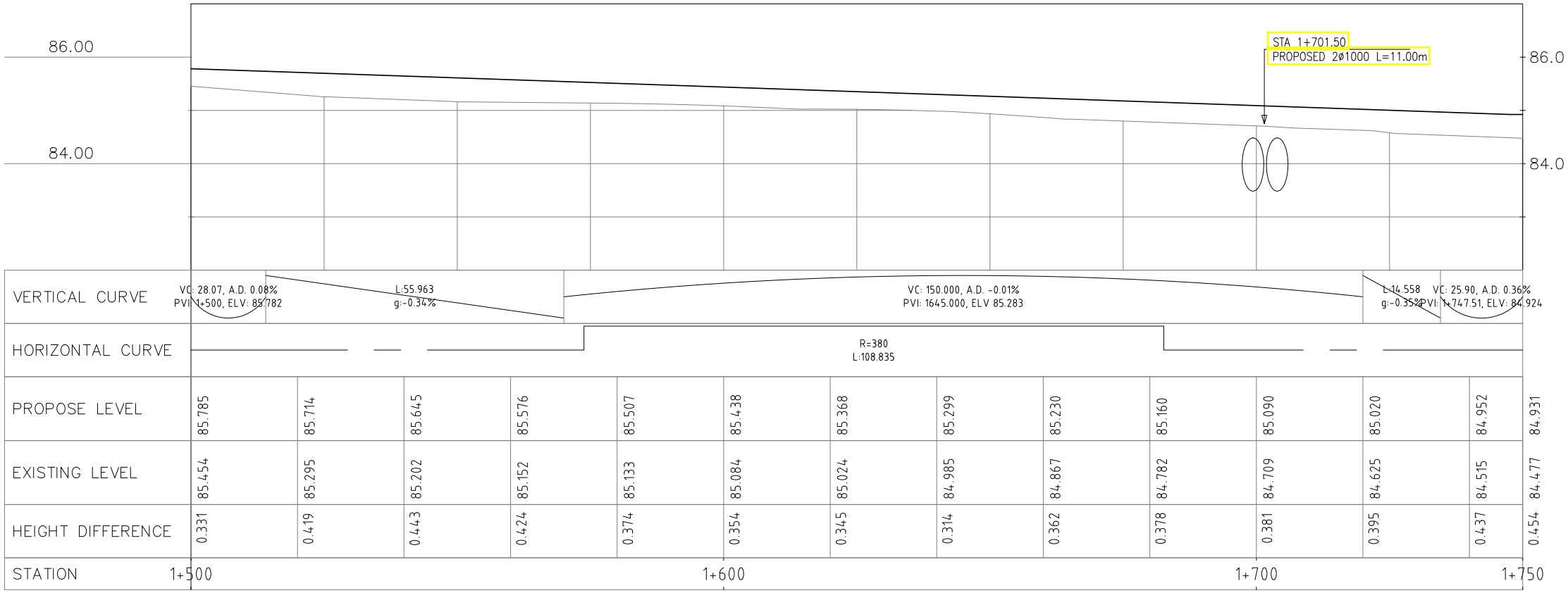
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 R 380.00M  
 T 54.793 M.  
 L 108.835 M.  
 W

PLAN VIEW



- LEGEND:**
- NORTH DIRECTION
  - CONCRETE BENCH MARK
  - ELECTRIC POLE
  - PROPOSED FINISHED ROAD
  - EXISTING ROAD
  - LIGHT FOREST
  - DENSD FOREST
  - RICE FIELD
  - WOOD HOUSE (ONE STOREY)
  - CONCRETE-WOOD HOUSE (TWO STOREY)
  - CONCRETE HOUSE (TWO STOREY)
  - CONCRETE HOUSE (ONE STOREY)
  - PIPE CULVERT
  - BOX CULVERT
  - FENCE

PROFILE VIEW



**REVISION:**

No.	Description	Date
A	Plan and Profile	13-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE:

DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD NAKASANG PLAN AND PROFILE Sta: km1+500-1750

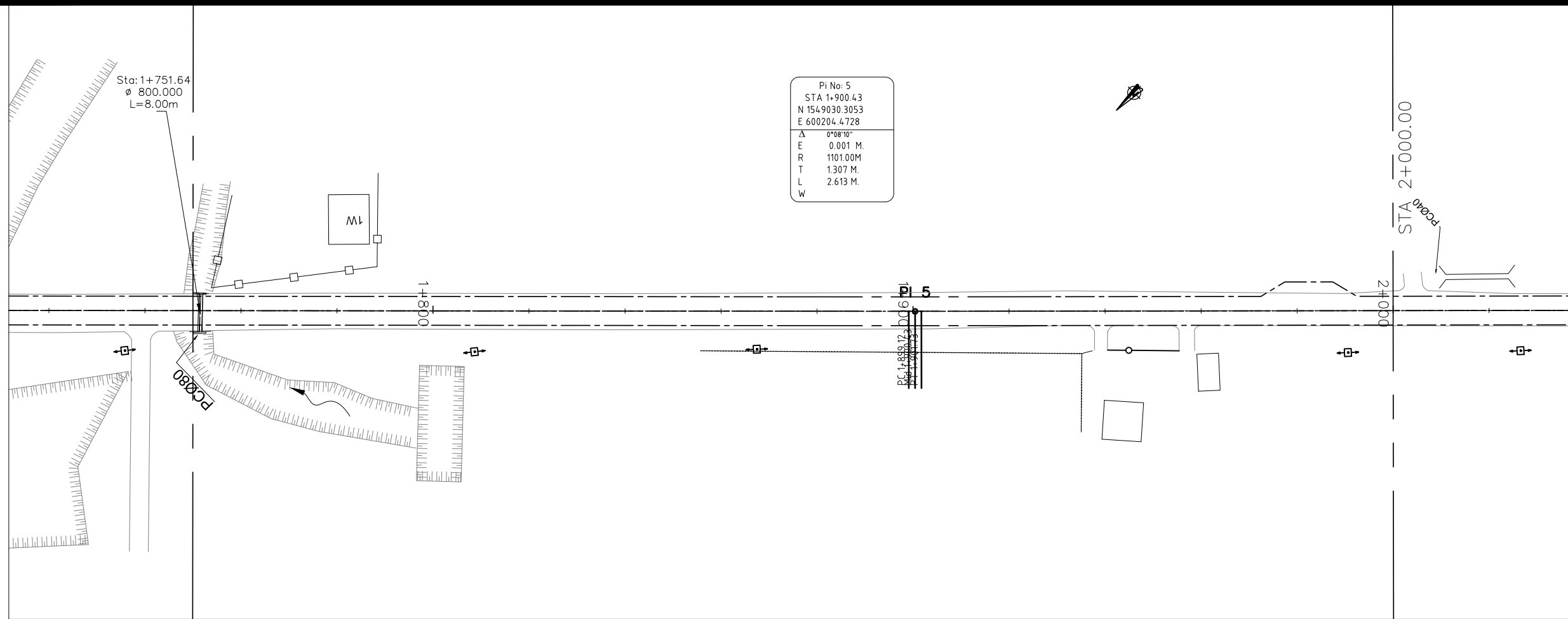
SCALE IN A3: H1/1000 V1/100

DATE:

DRAWING No.: LAO - NKS

C - 01-08

PLAN VIEW

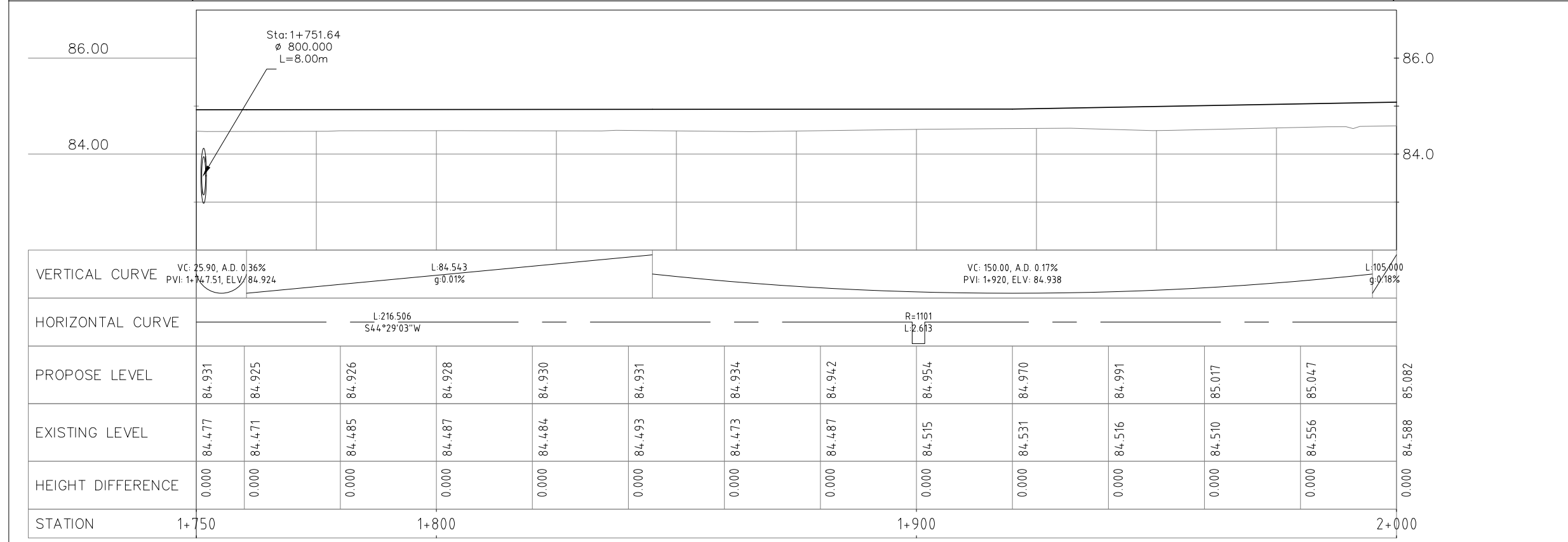


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 E 600204.4728  
 A 0°08'10"  
 E 0.001 M.  
 R 1101.00M  
 T 1.307 M.  
 L 2.613 M.  
 W

LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	13-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE:  
 DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD NAKASANG PLAN AND PROFILE Sta: km1+750 -2+000

SCALE IN A3: H1/1000 V1/100

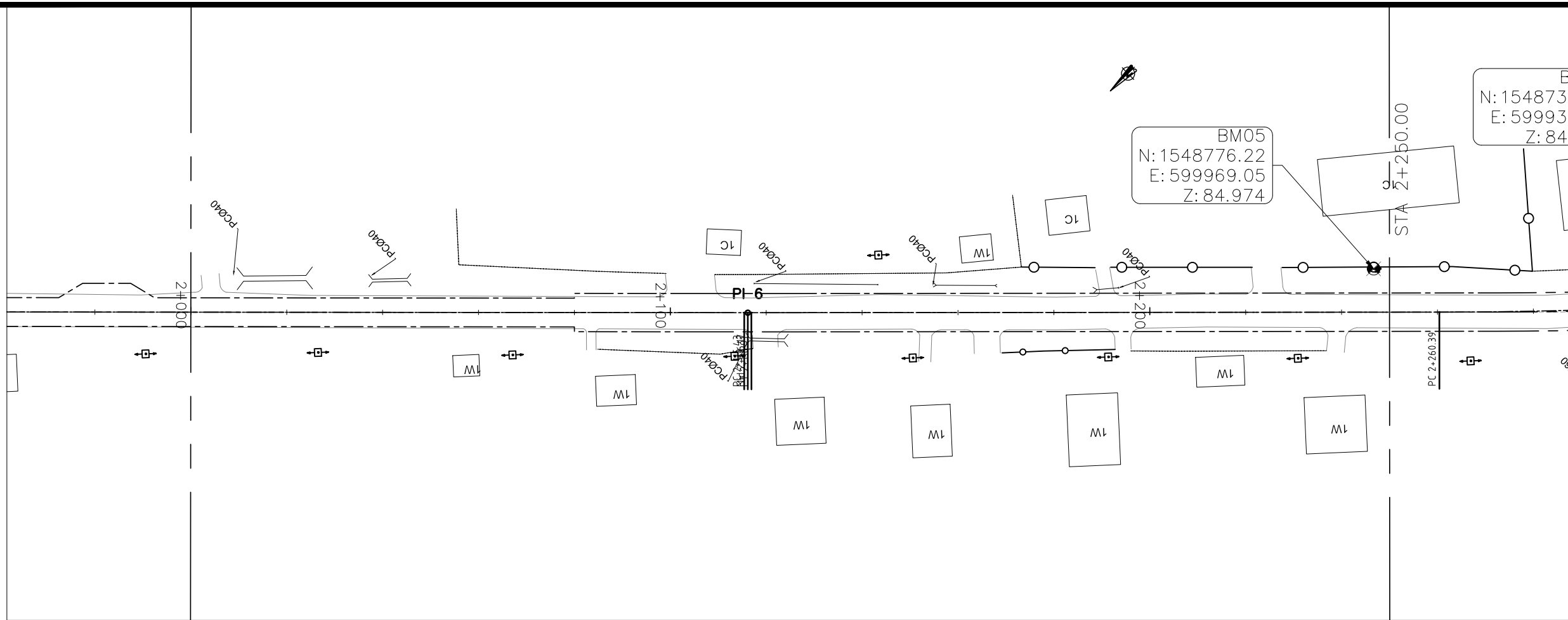
DATE:

DRAWING No.: LAO - NKS

C - 01-09



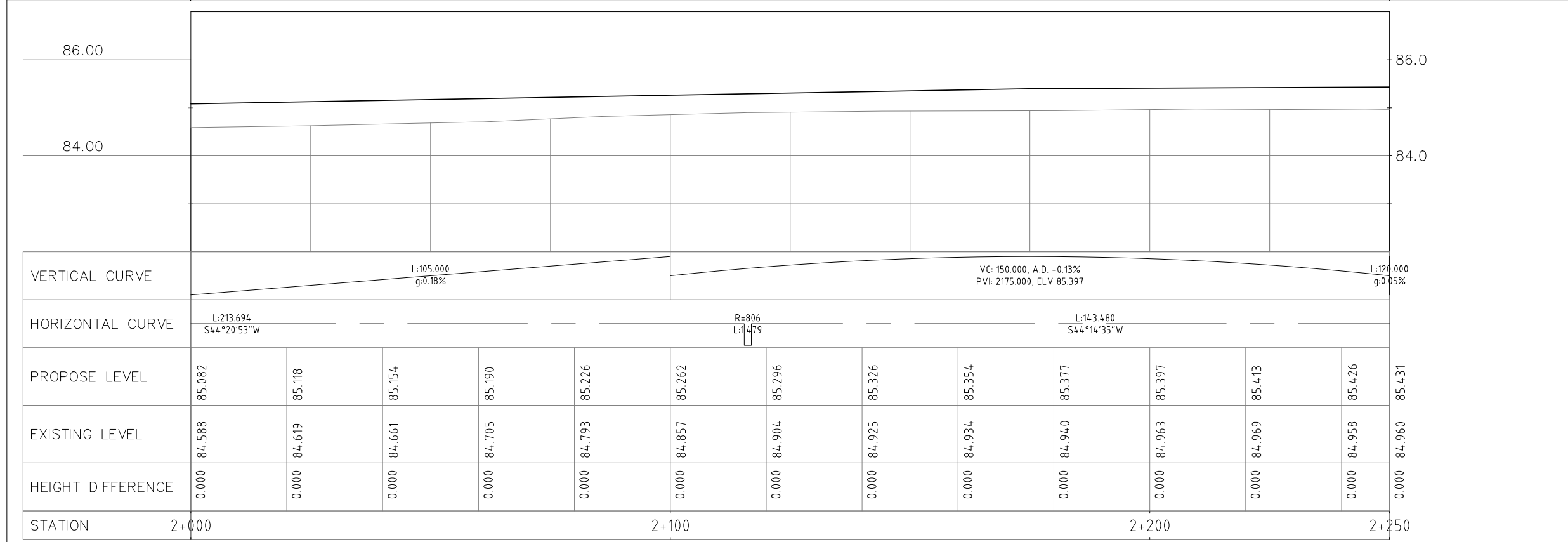
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	13-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

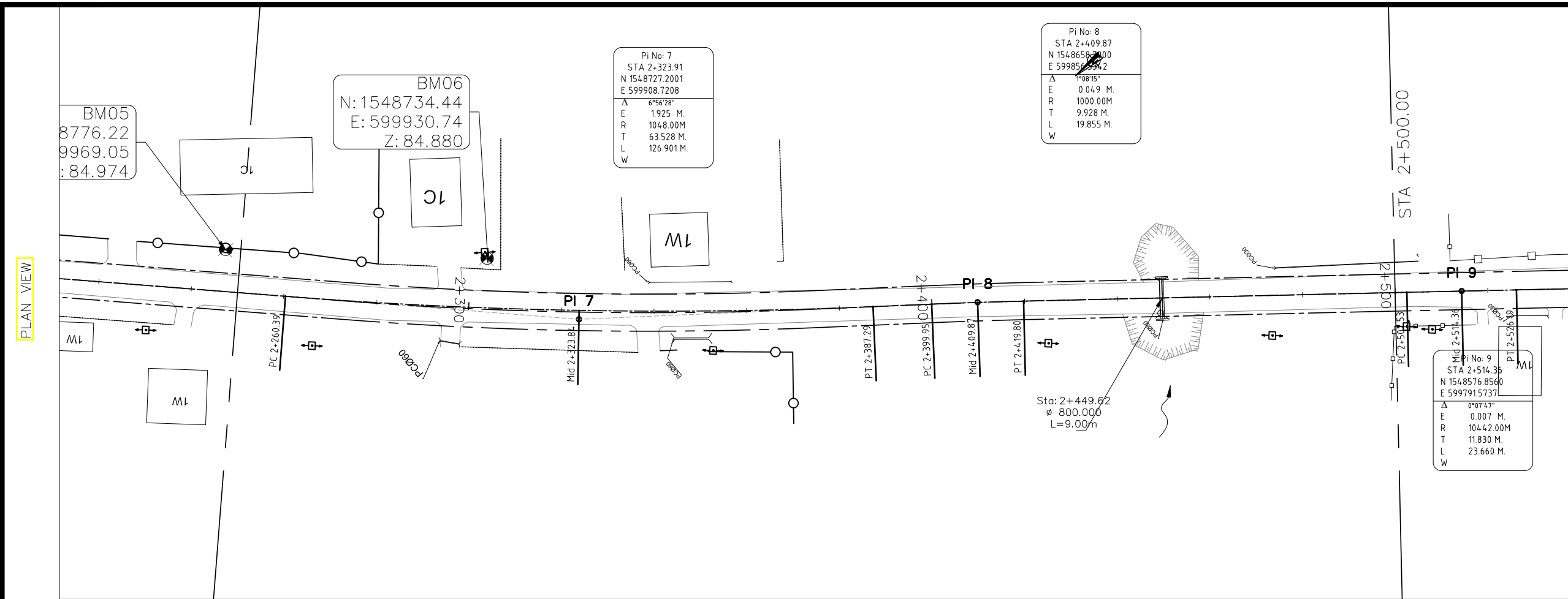
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SCALE IN A3: H1/1000 V1/100

DATE: \_\_\_\_\_

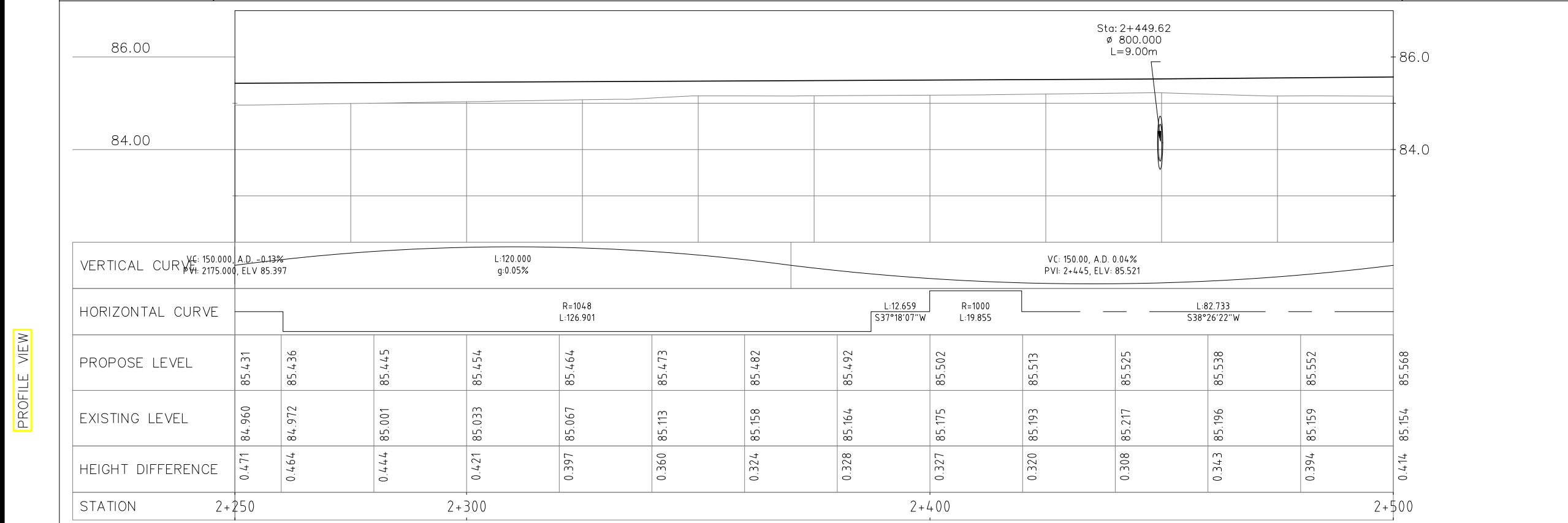
DRAWING No.: LAO - NKS

C - 01-10



**LEGEND:**

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE



**REVISION:**

No.	Description	Date
A	Plan and Profile	13-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD NAKASANG PLAN AND PROFILE Sta: km2+250-2+500

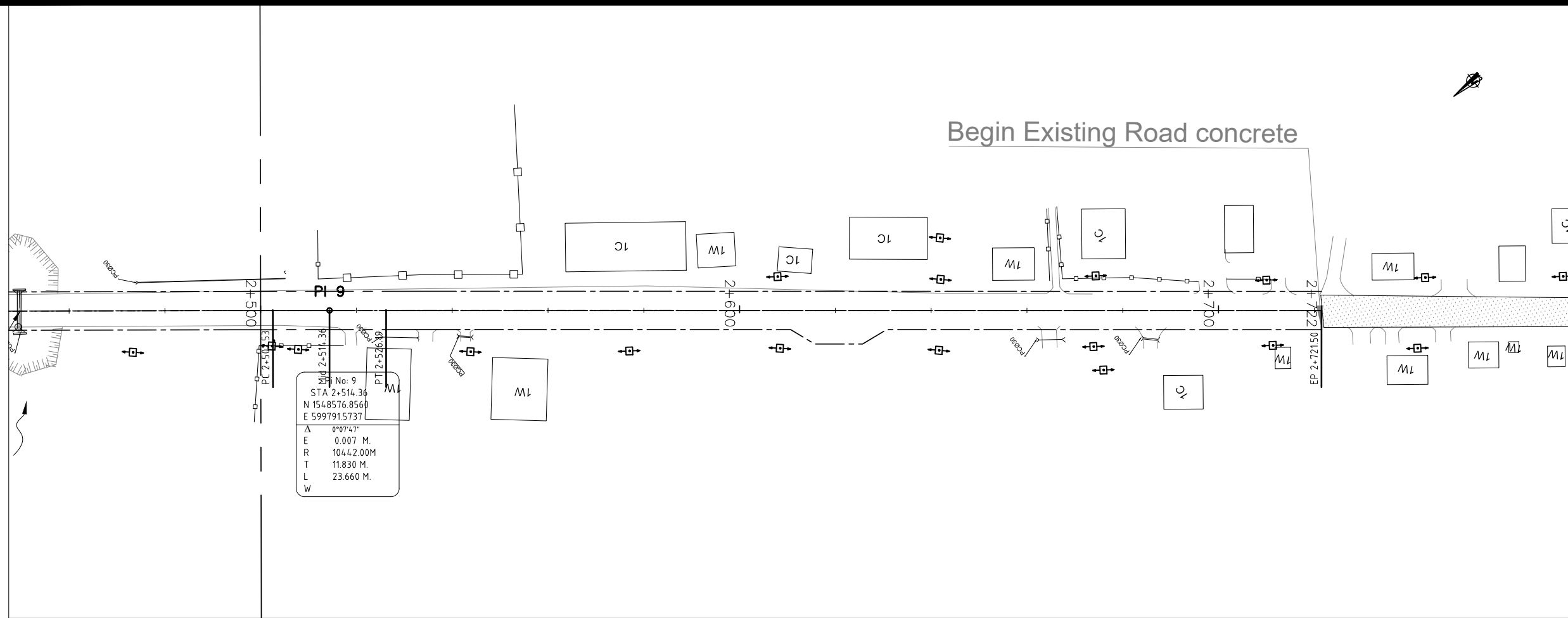
SCALE IN A3: H1/1000 V1/100

DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

C - 01-11

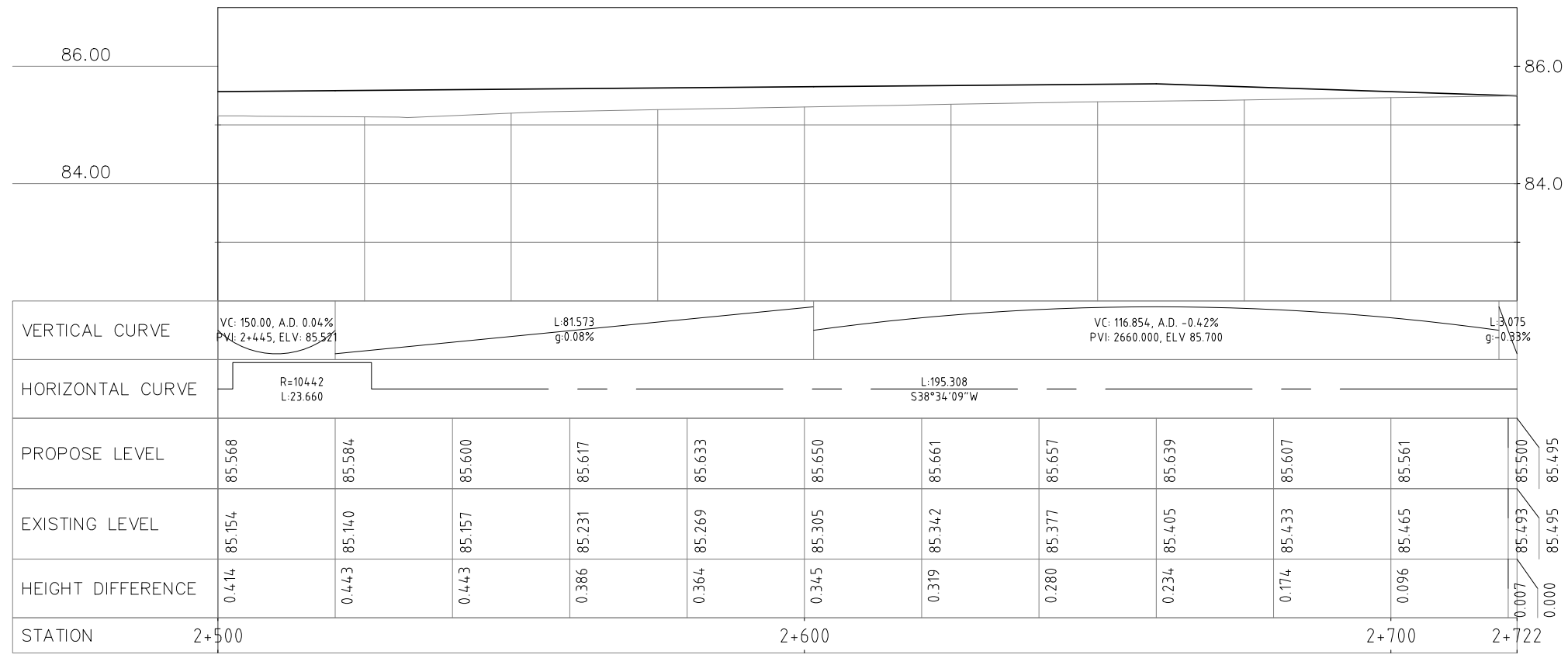
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:

No.	Description	Date
A	Plan and Profile	13-09-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

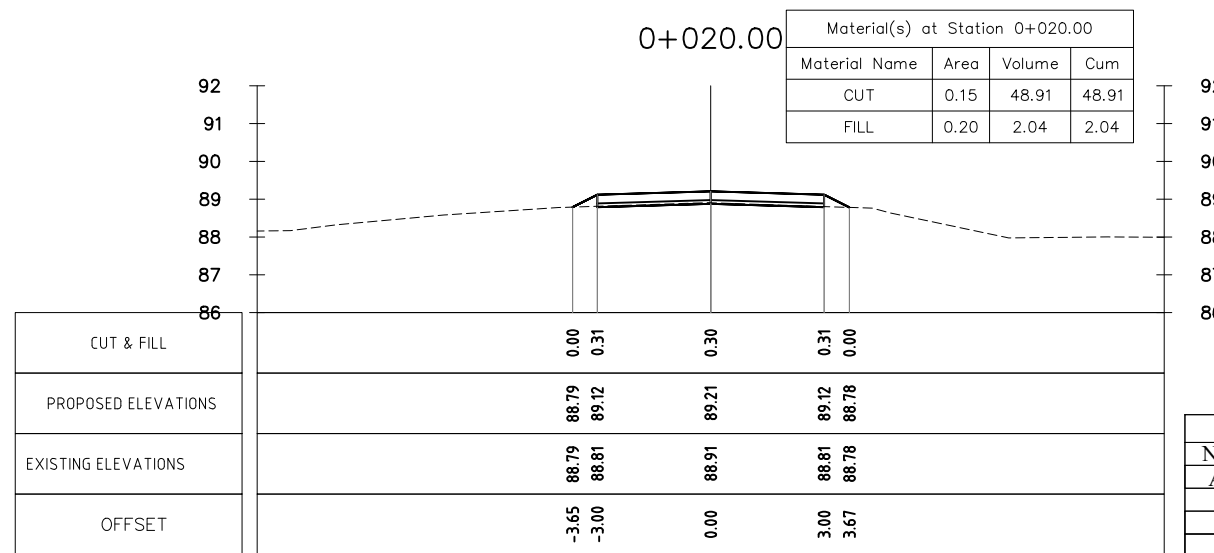
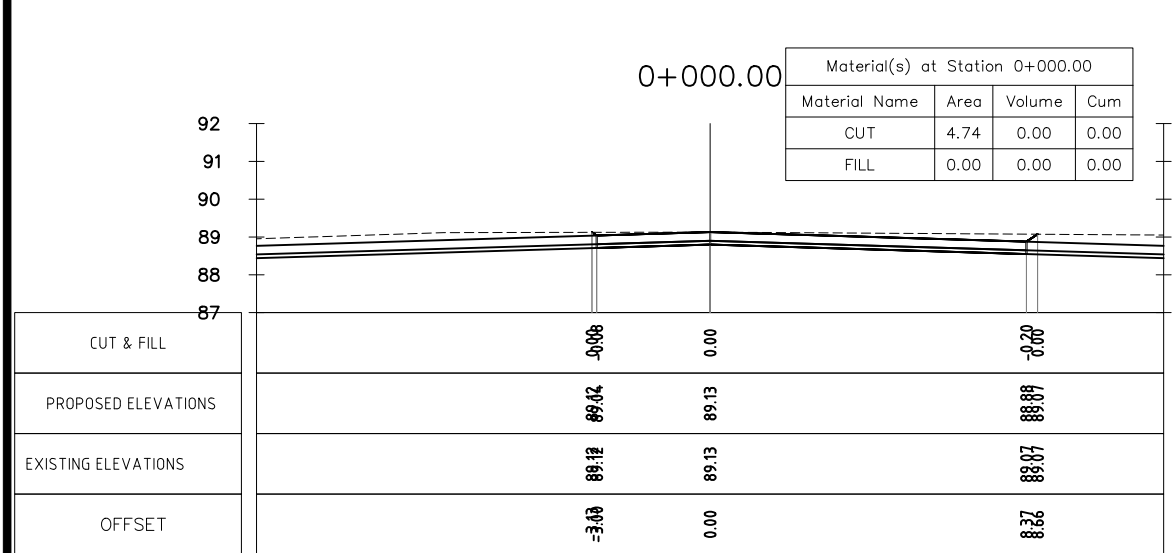
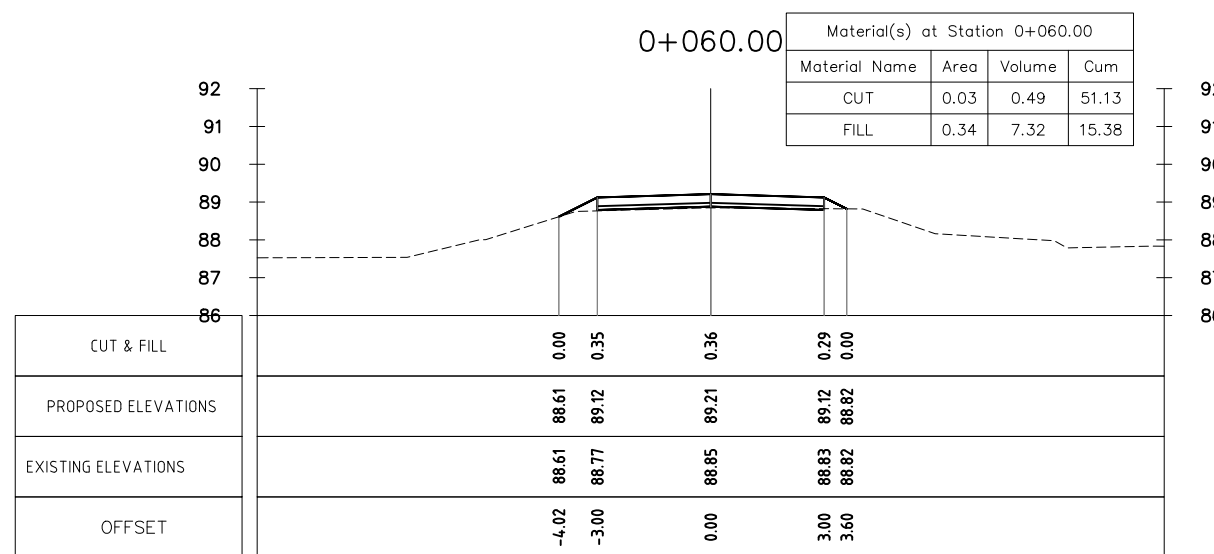
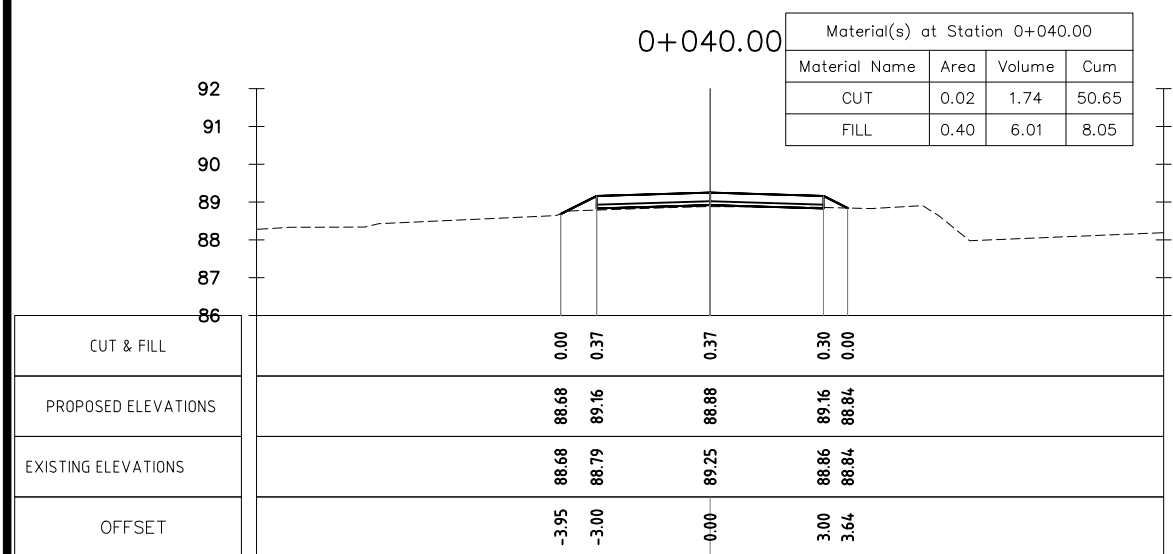
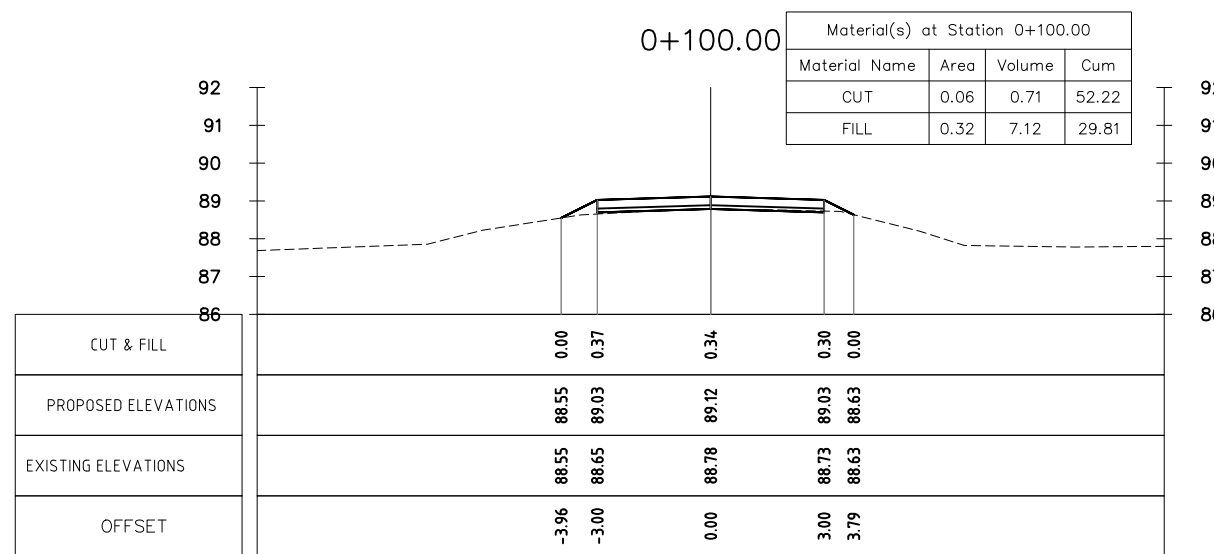
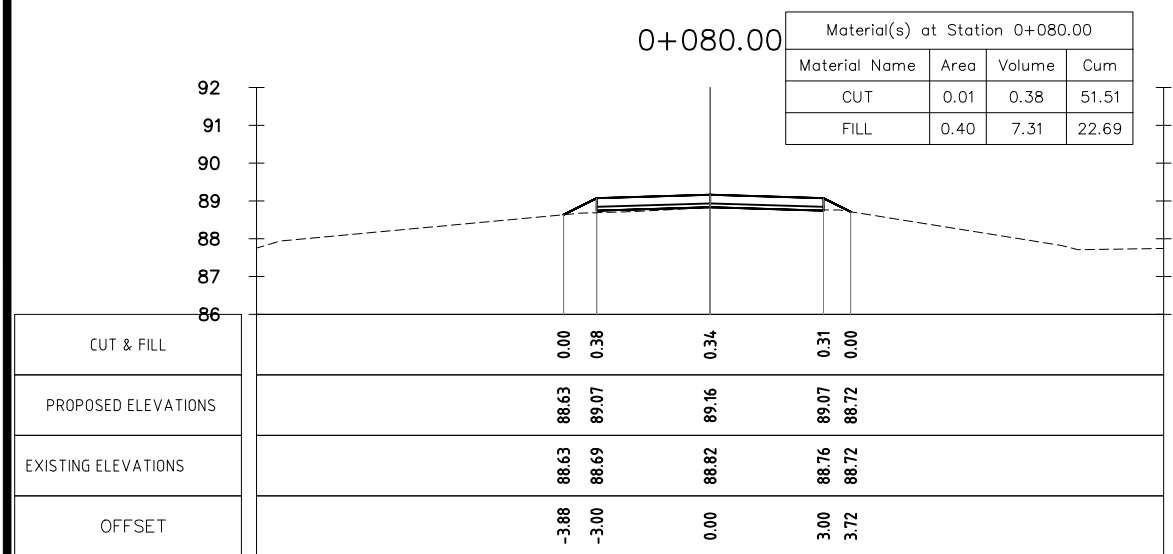
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SCALE IN A3: H1/1000 V1/100

DATE:

DRAWING No.: LAO - NKS

C - 01-12



REVISION:		
No.	Description	Date
AA	Road Cross-Section	30-09-18





Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

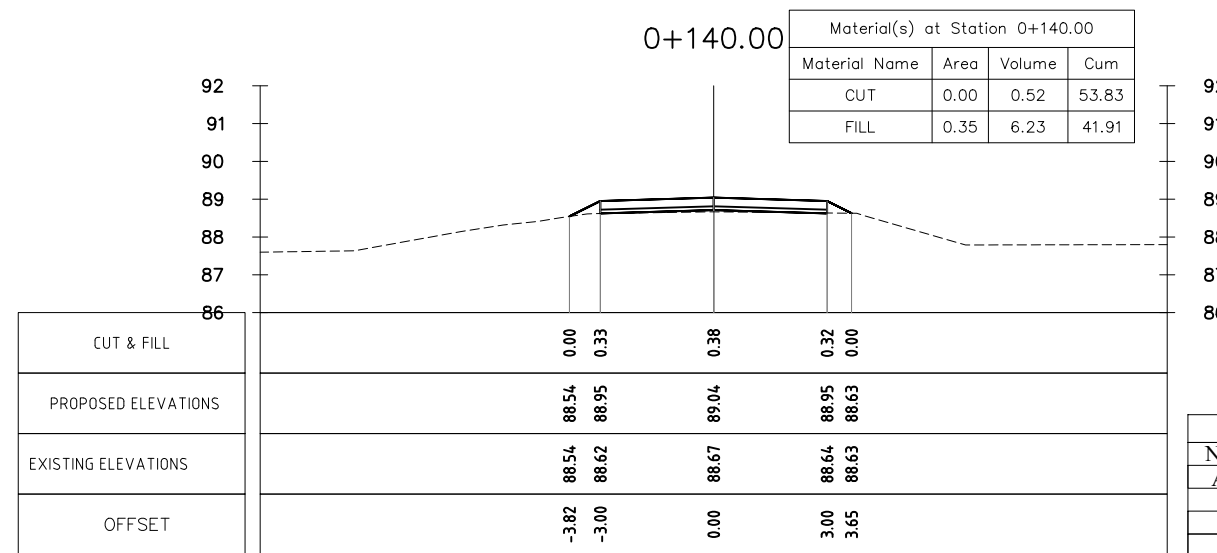
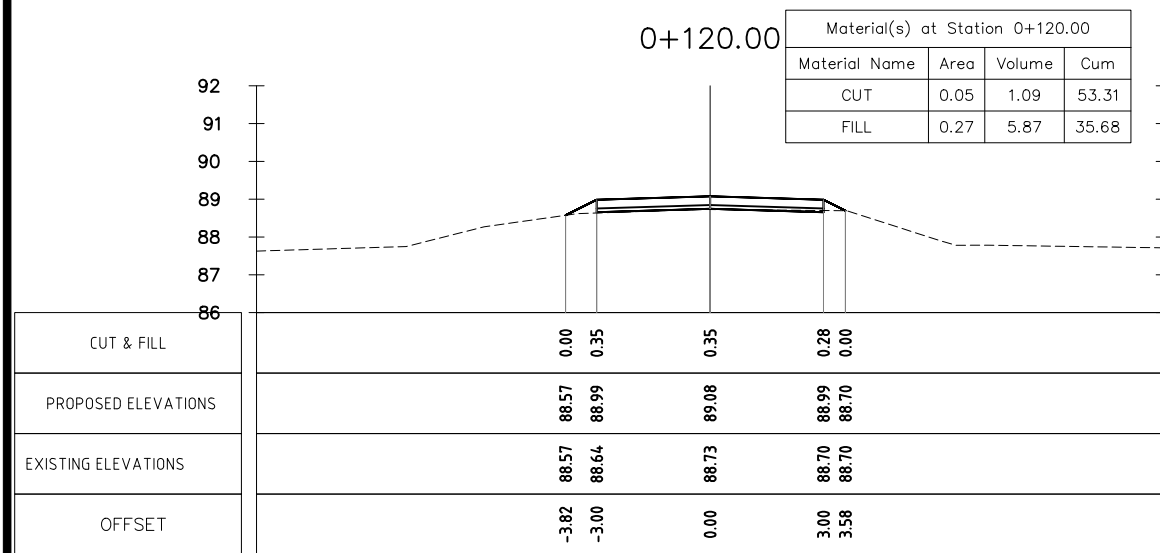
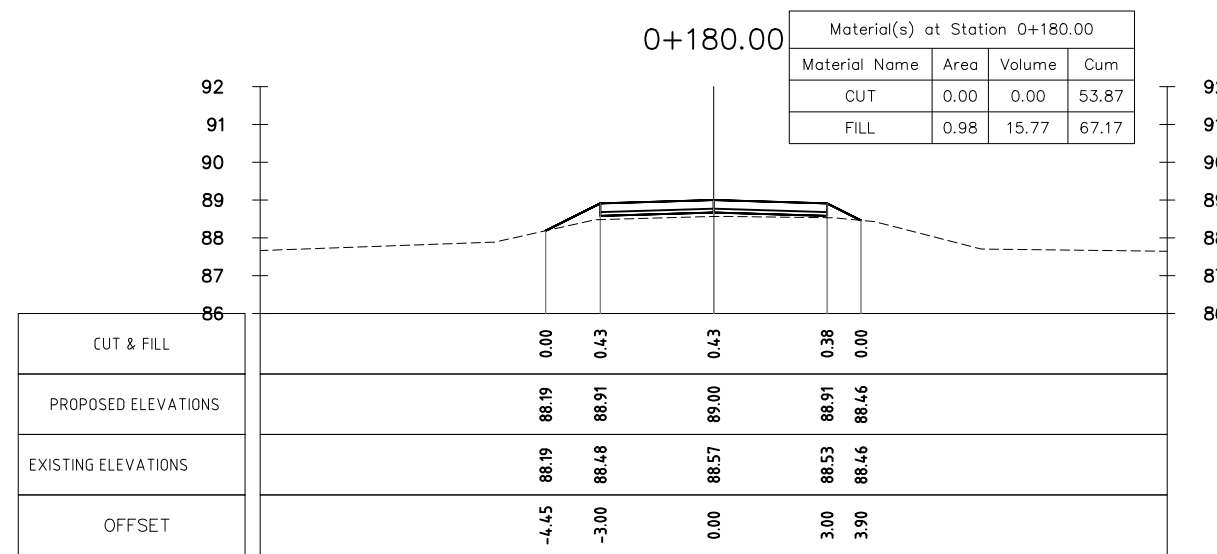
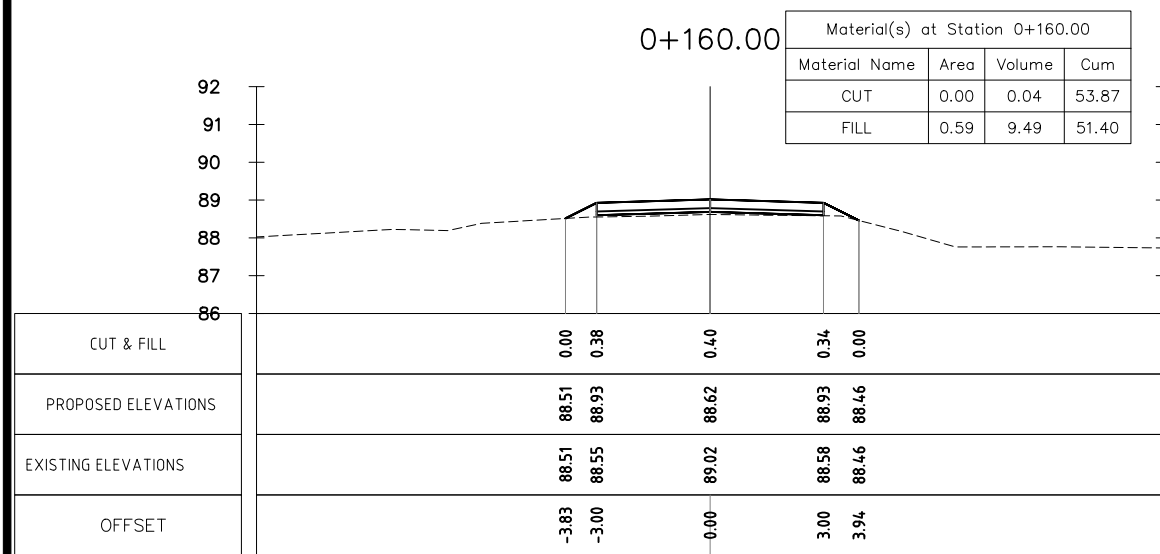
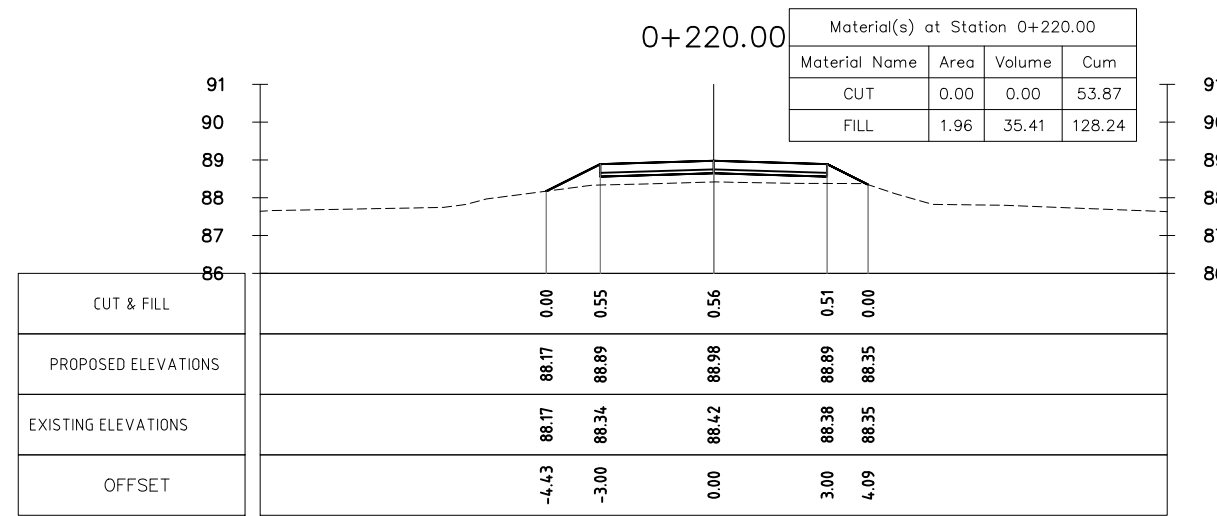
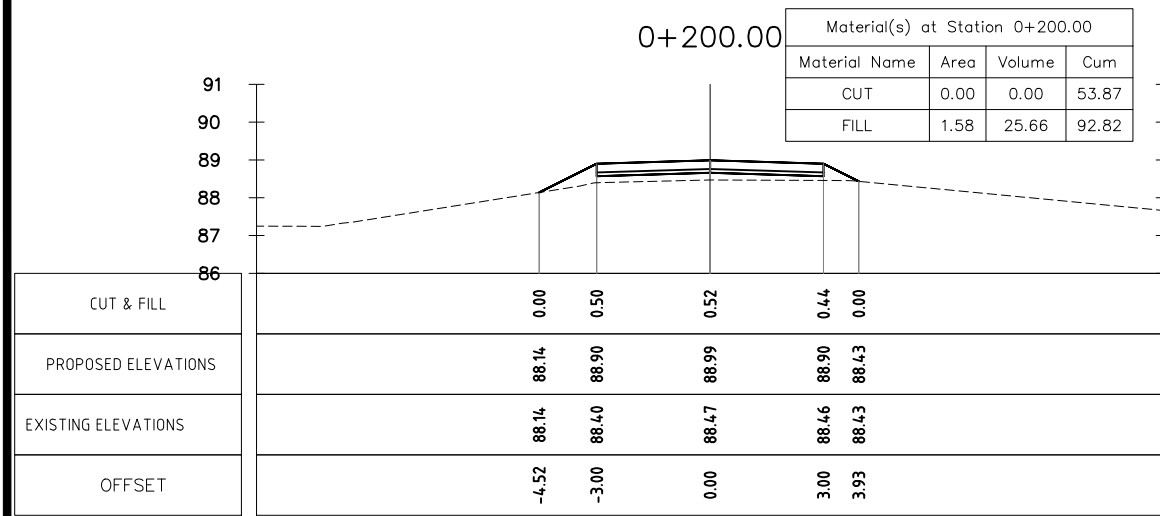
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM0+000-0+100

DRAWING TITLE :  
 SCALE: A3: 1/200      DATE :      DRAWING No. : C - 01-13  
 LAO - NKS



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

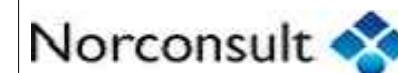
TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

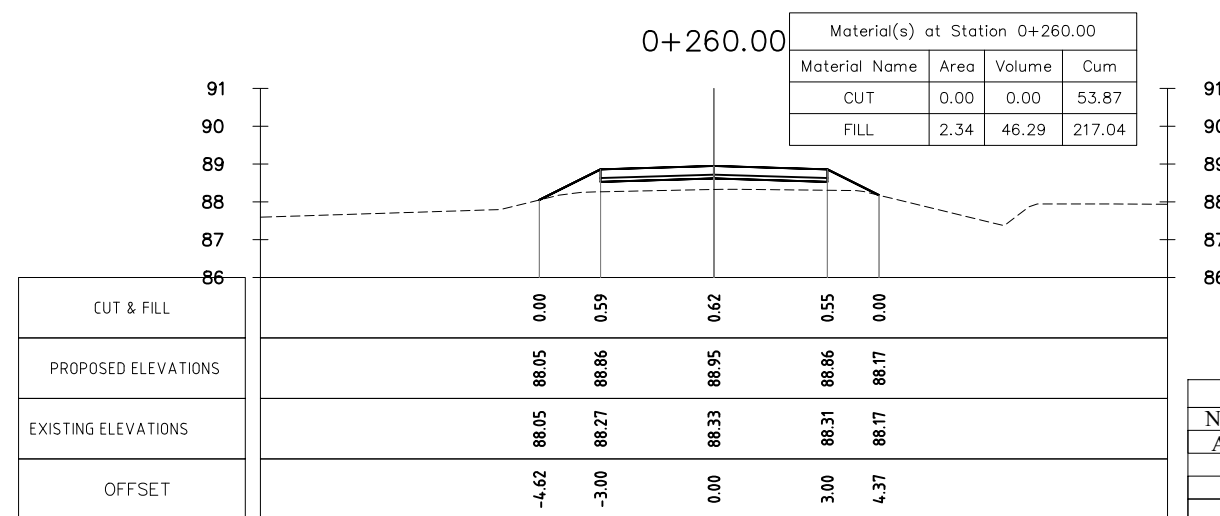
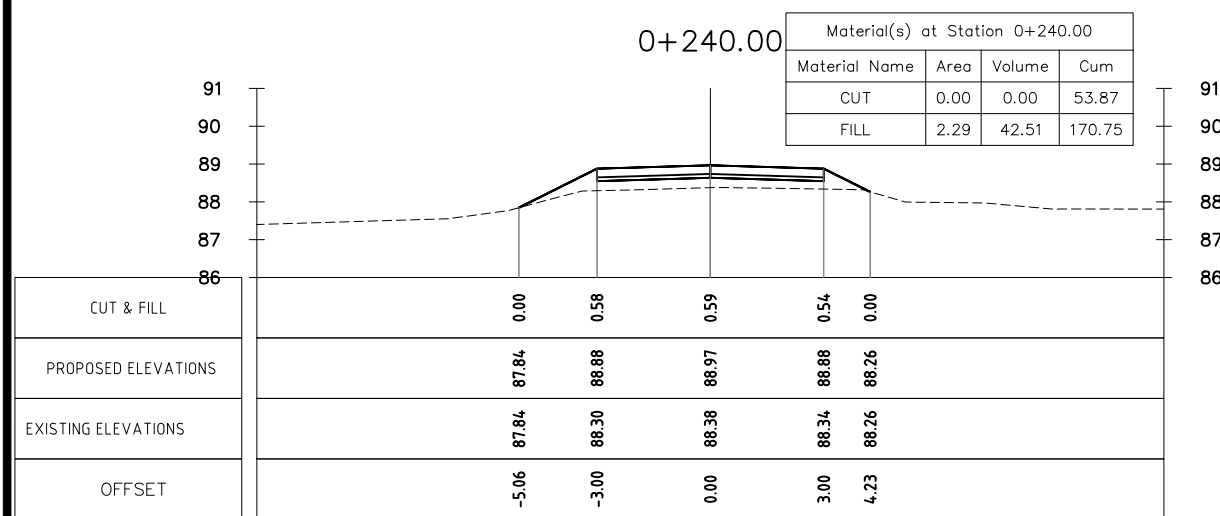
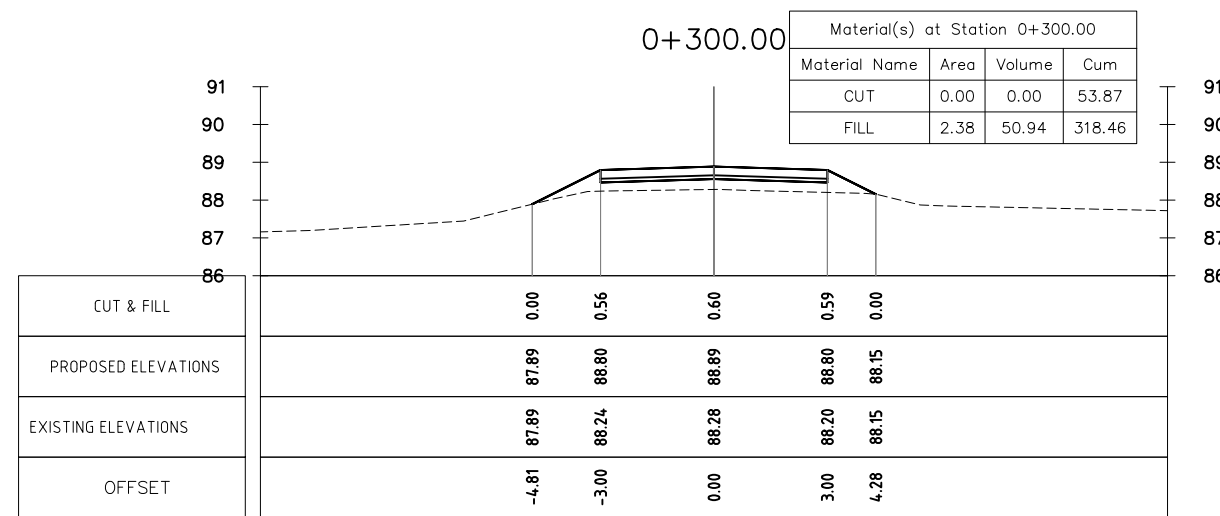
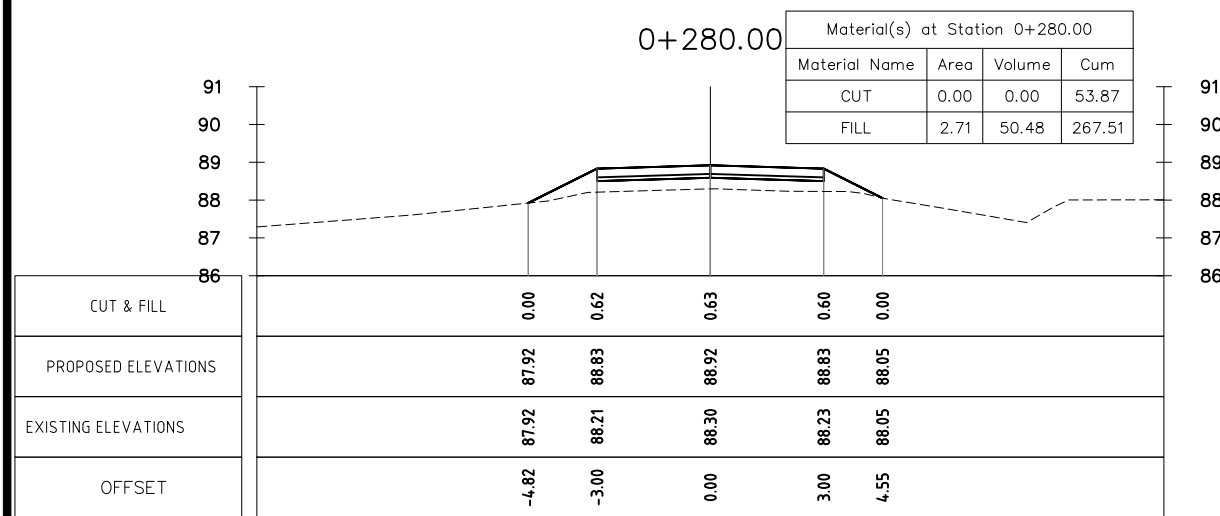
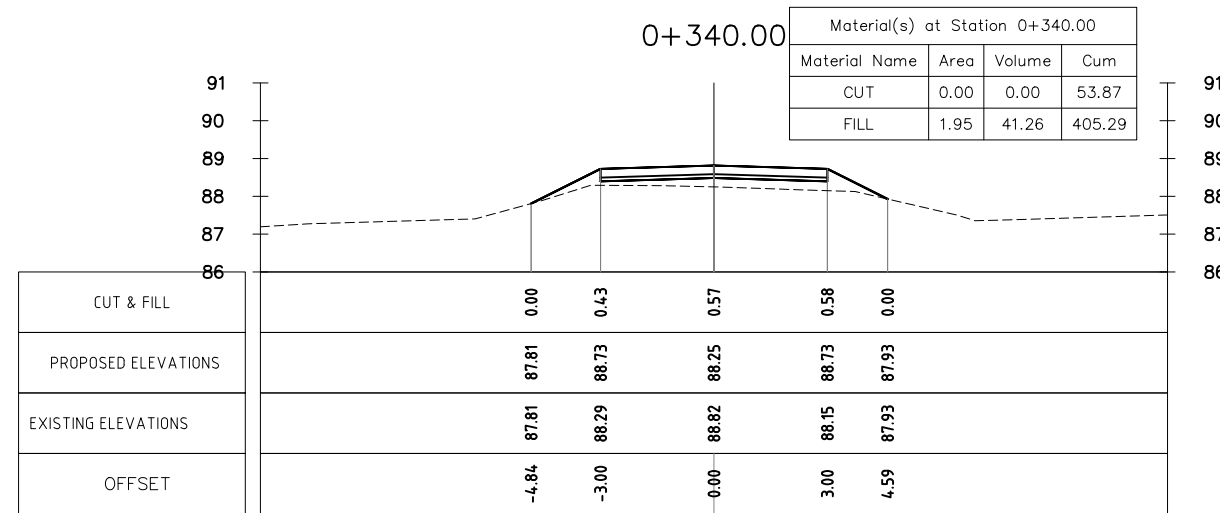
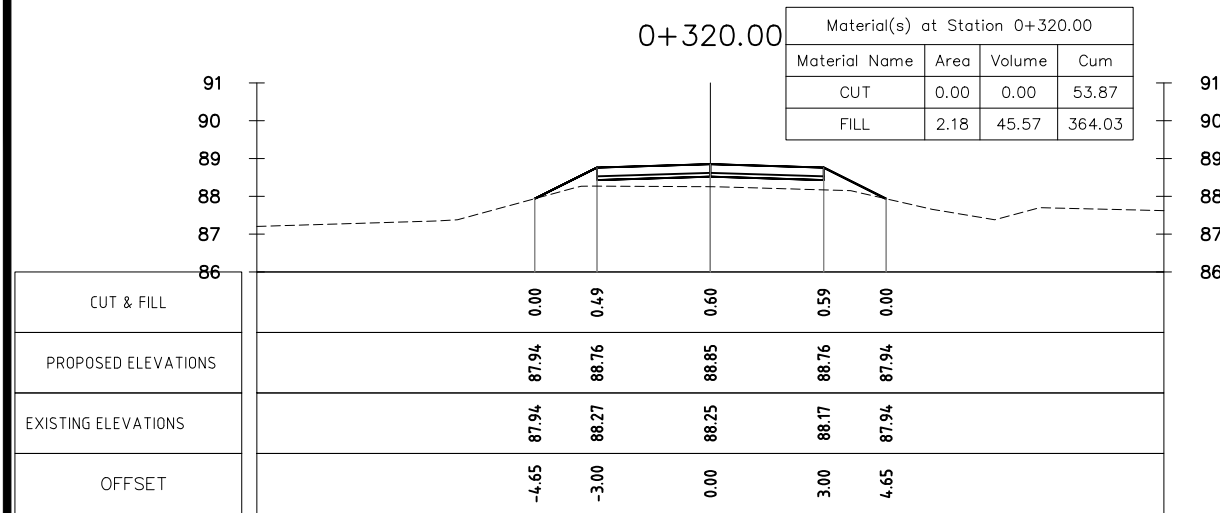


LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM0+120-0+220

DRAWING TITLE :			
SCALE: A3:	DATE :	DRAWING No. :	C - 01-14
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

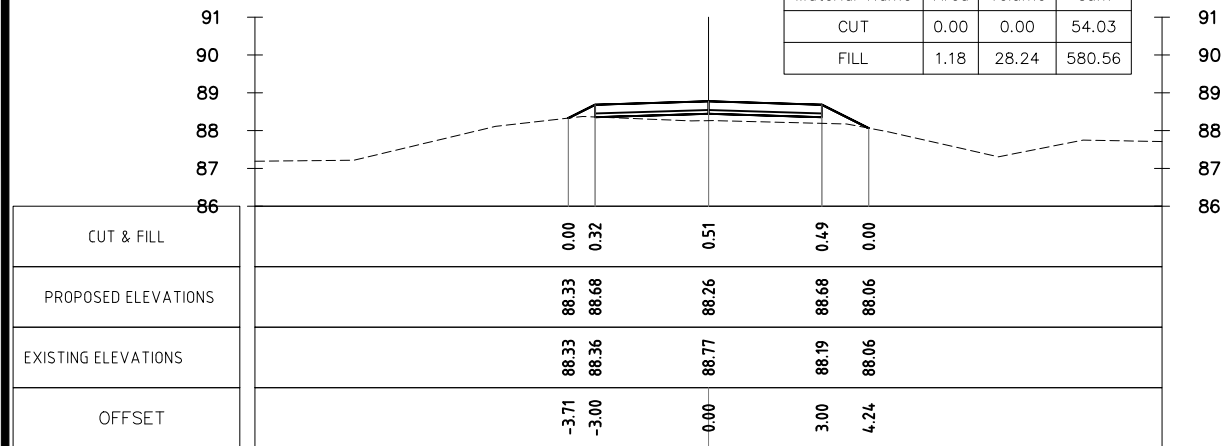


PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM0+240-0+340

SCALE: A3:	DATE:	DRAWING No.:	C - 01-15
1/200		LAO - NKS	

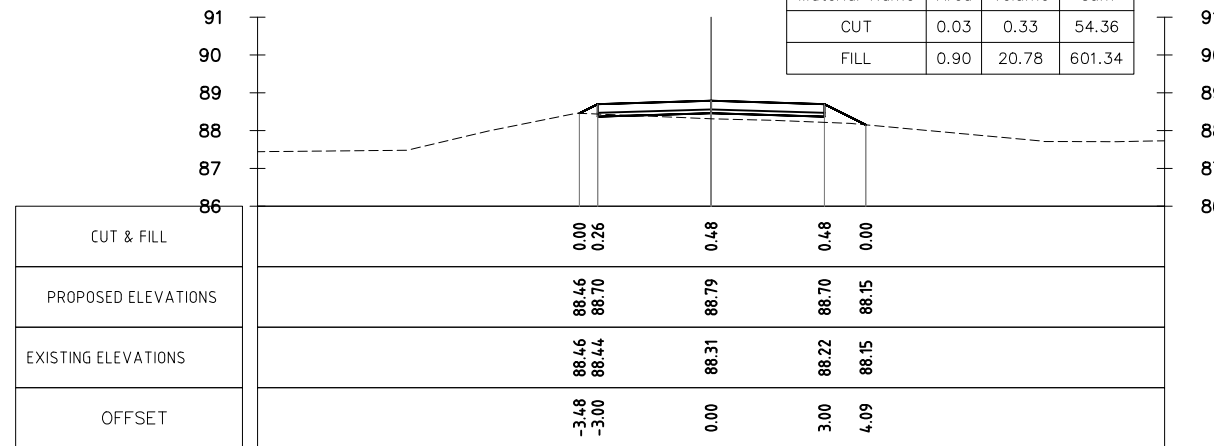
0+440.00

Material(s) at Station 0+440.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	54.03
FILL	1.18	28.24	580.56



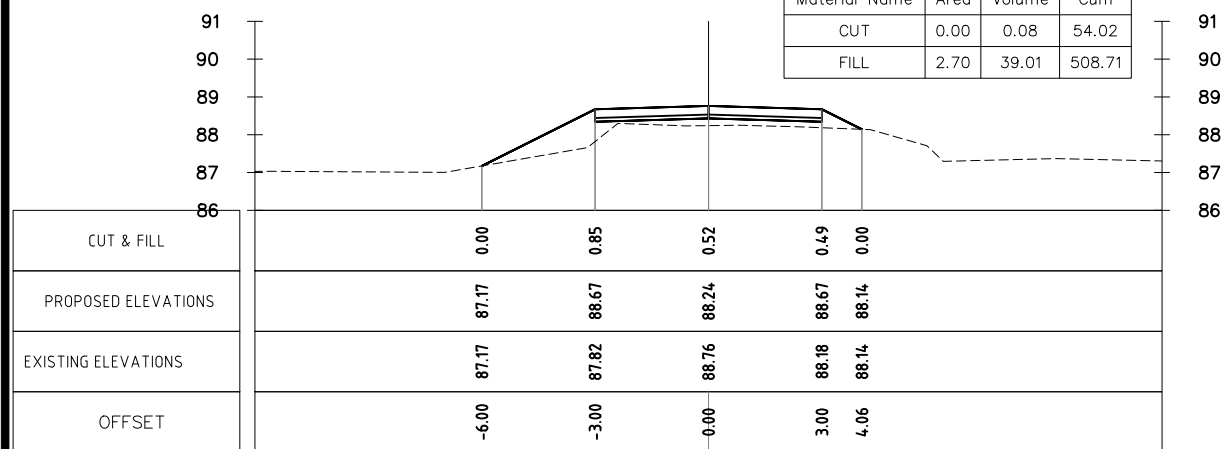
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Material(s) at Station 0+460.00			
Material Name	Area	Volume	Cum
CUT	0.03	0.33	54.36
FILL	0.90	20.78	601.34



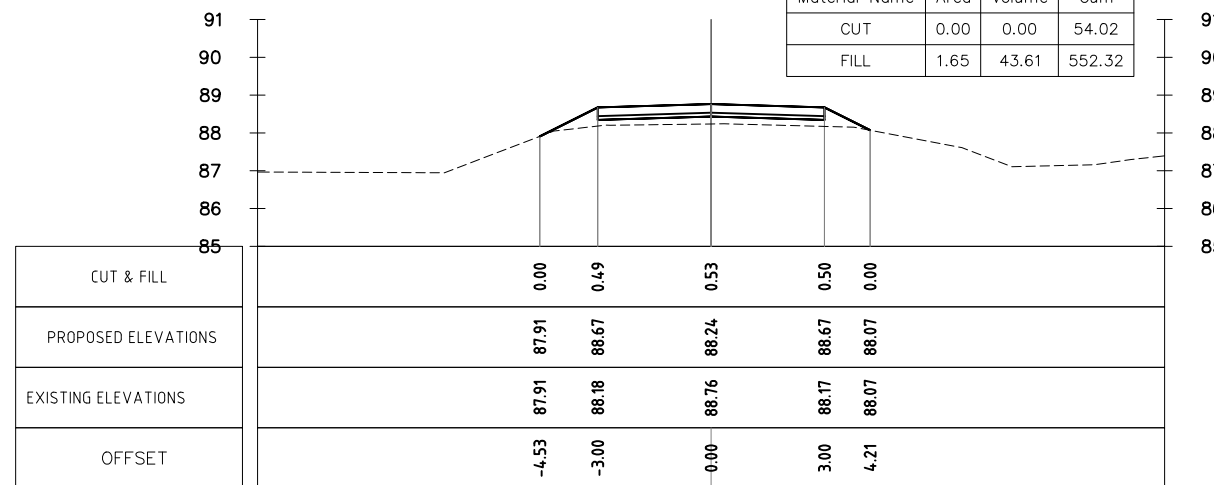
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Material(s) at Station 0+400.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.08	54.02
FILL	2.70	39.01	508.71



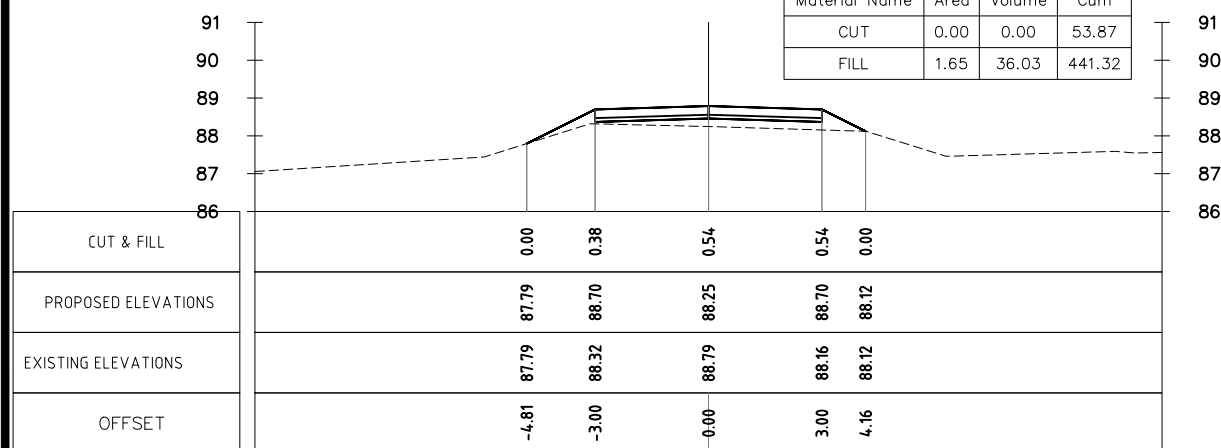
0+420.00

Material(s) at Station 0+420.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	54.02
FILL	1.65	43.61	552.32



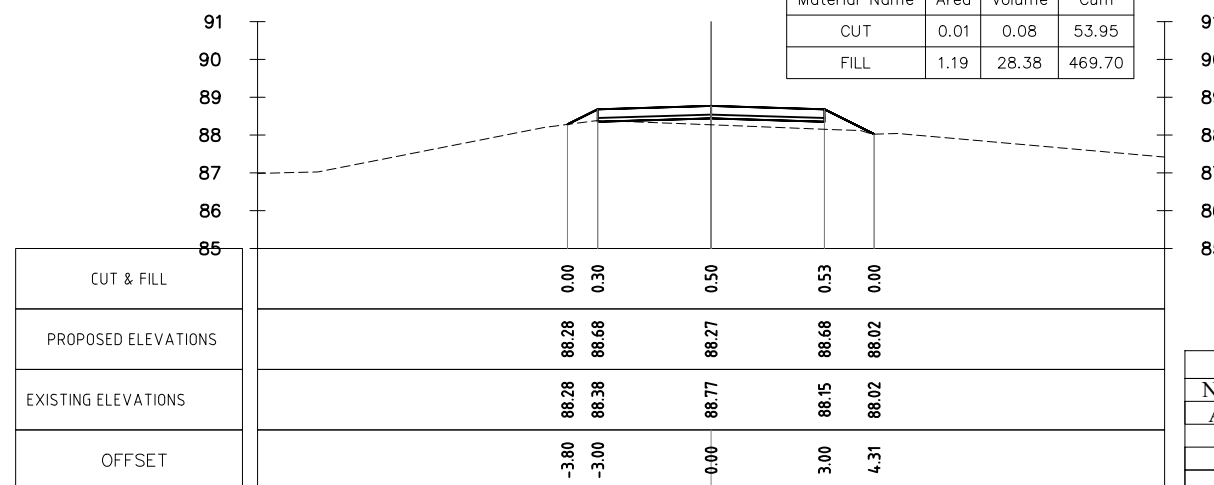
0+360.00

Material(s) at Station 0+360.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	53.87
FILL	1.65	36.03	441.32



0+380.00

Material(s) at Station 0+380.00			
Material Name	Area	Volume	Cum
CUT	0.01	0.08	53.95
FILL	1.19	28.38	469.70



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

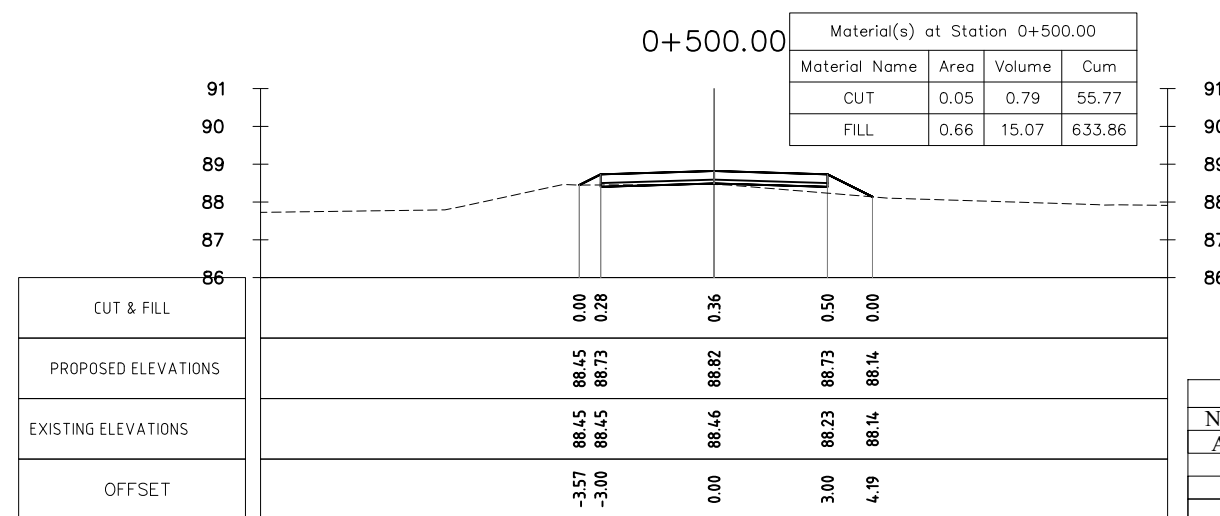
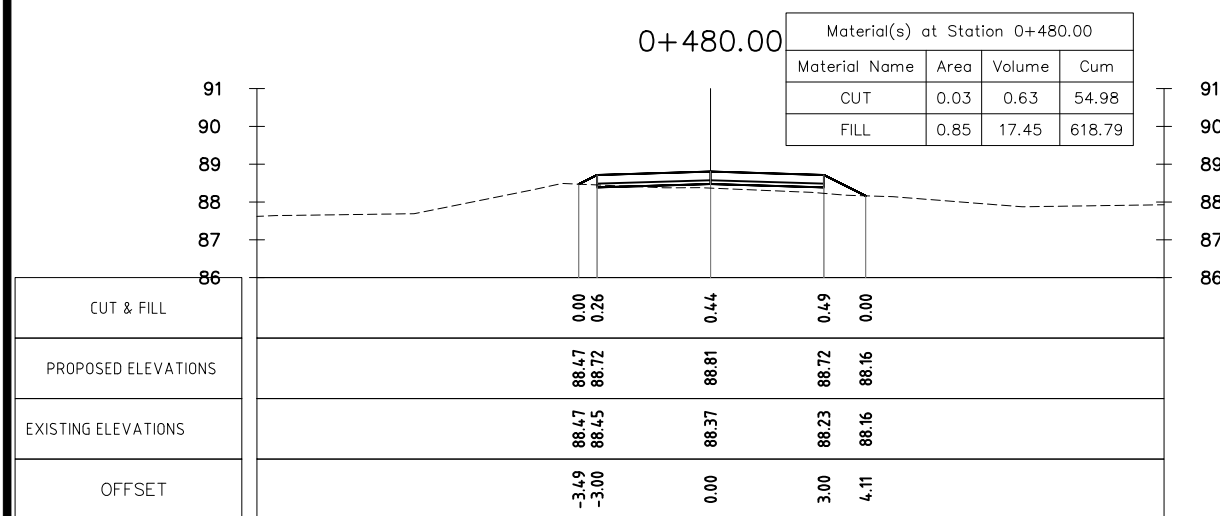
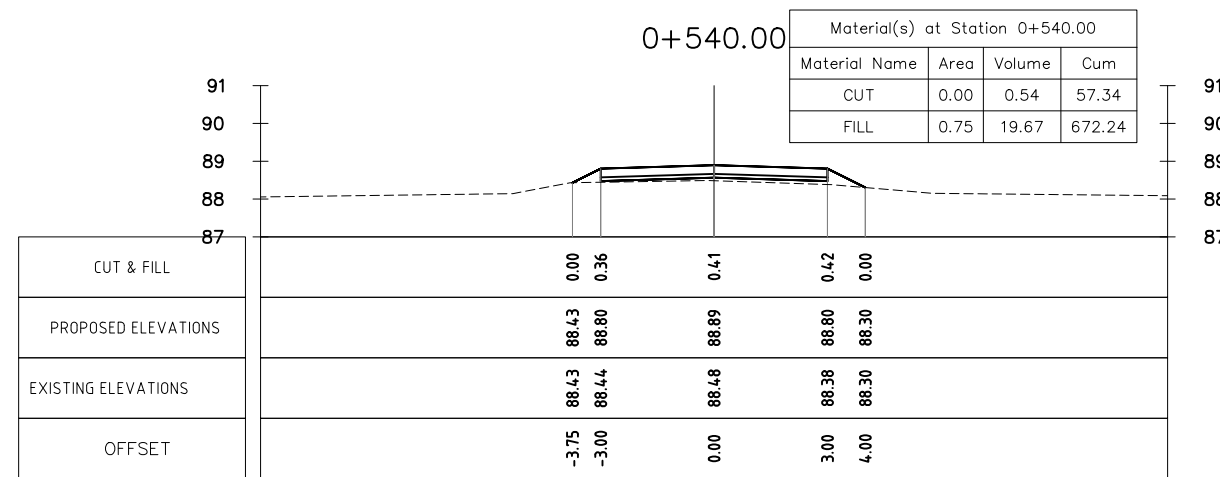
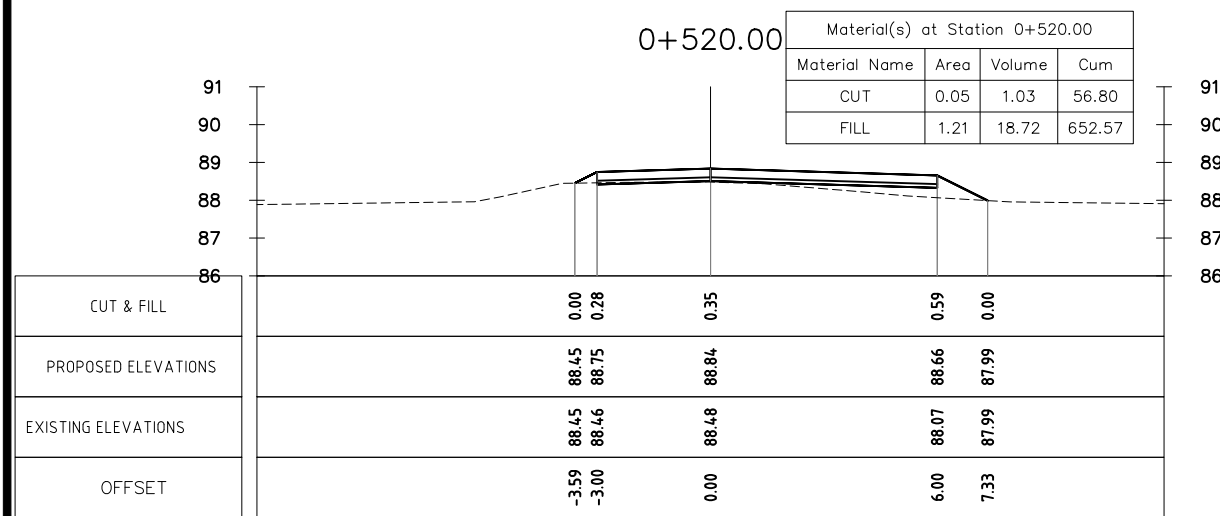
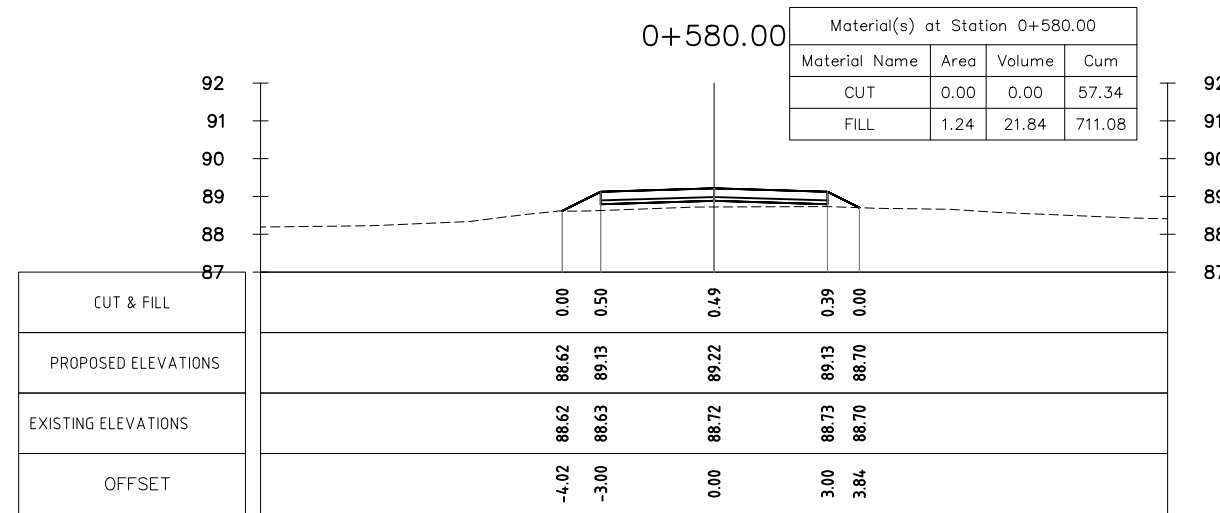
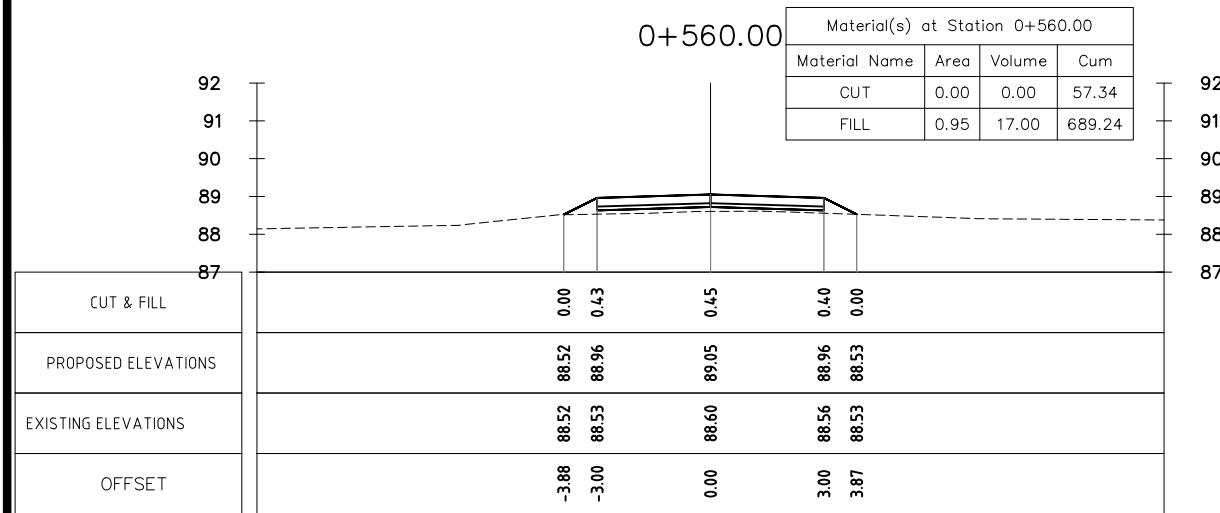
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM0+360-0+460

SCALE: A3:	DATE:	DRAWING No.:	C - 01-16
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE:  
 DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



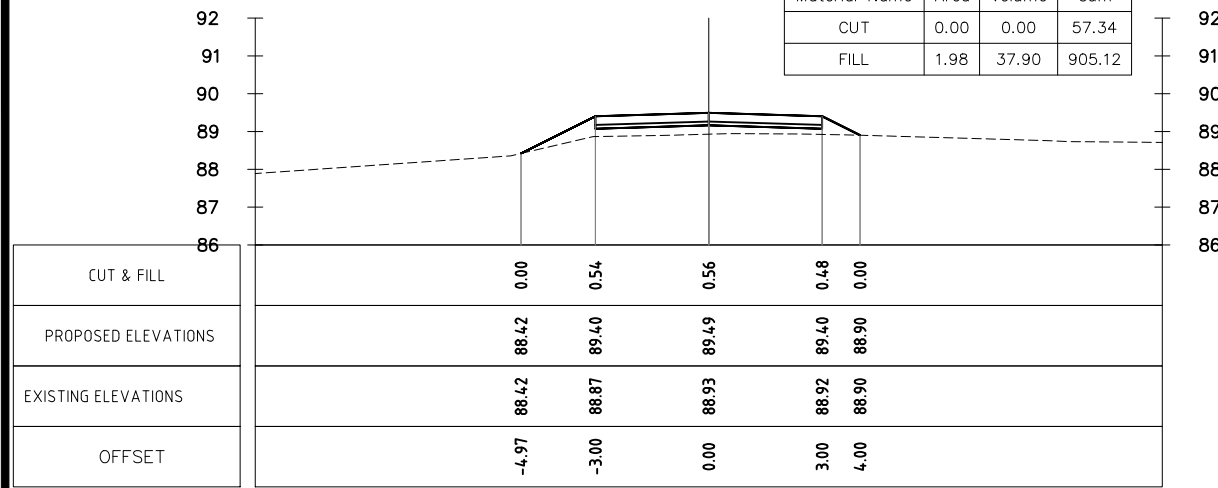
PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM0+480-0+580

DRAWING TITLE :		DRAWING No. :	
SCALE: A3:	DATE :	C - 01-17	
1/200		LAO - NKS	



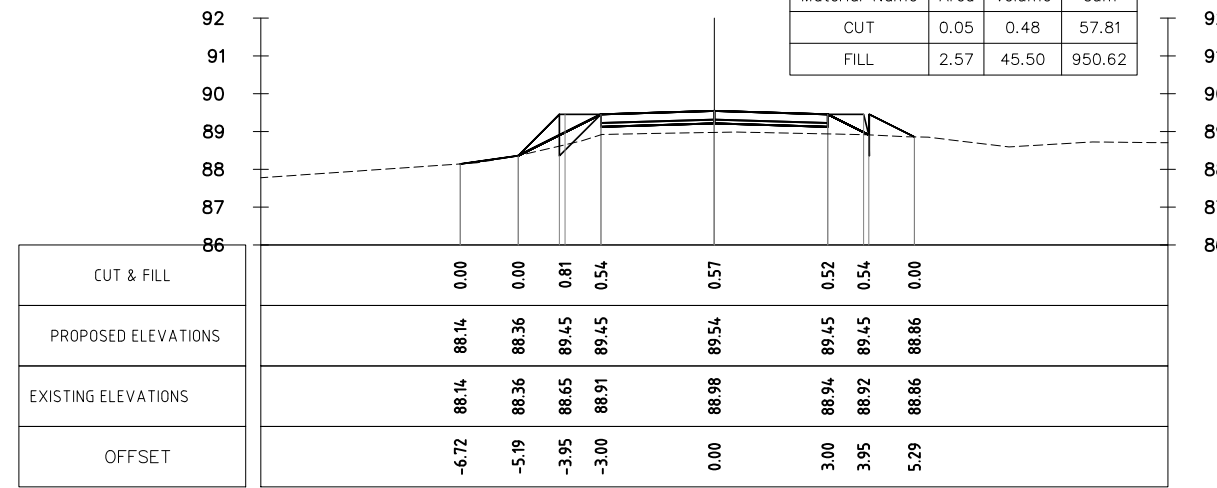
0+680.00

Material(s) at Station 0+680.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	57.34
FILL	1.98	37.90	905.12



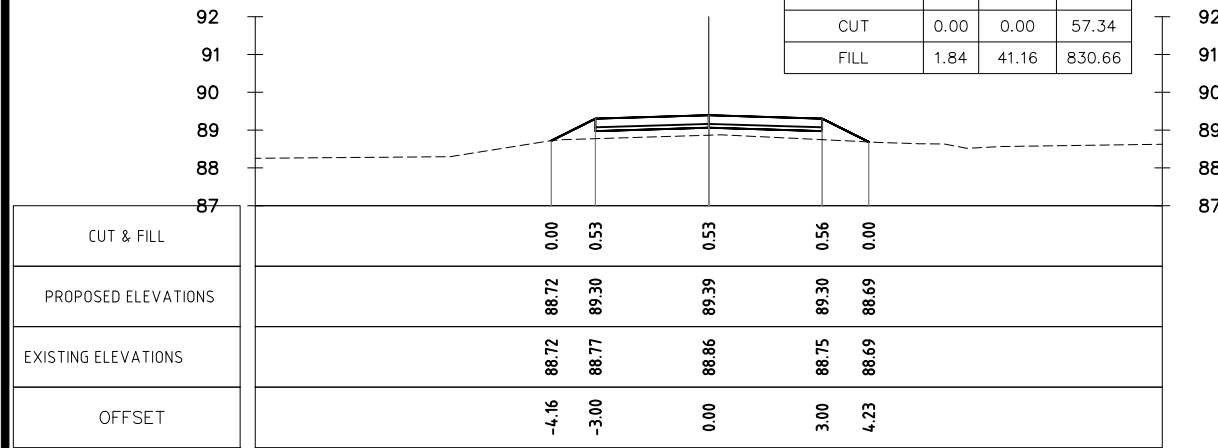
0+700.00

Material(s) at Station 0+700.00			
Material Name	Area	Volume	Cum
CUT	0.05	0.48	57.81
FILL	2.57	45.50	950.62



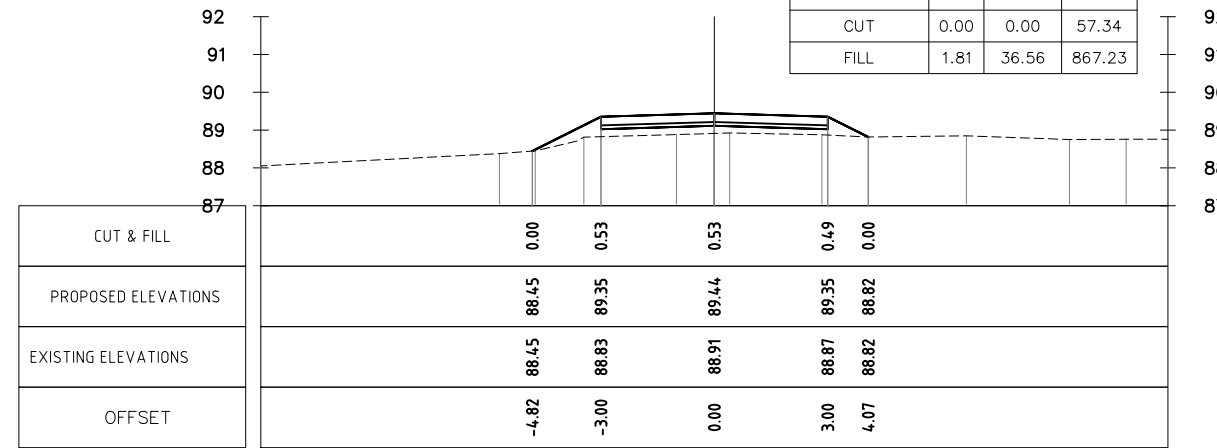
0+640.00

Material(s) at Station 0+640.00			
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CUT	0.00	0.00	57.34
FILL	1.84	41.16	830.66



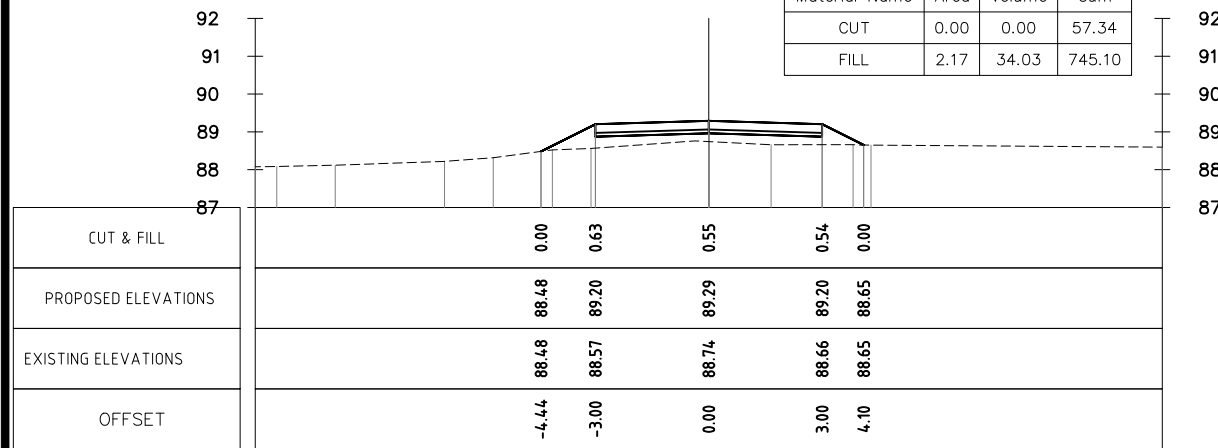
0+660.00

Material(s) at Station 0+660.00			
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FILL	1.81	36.56	867.23



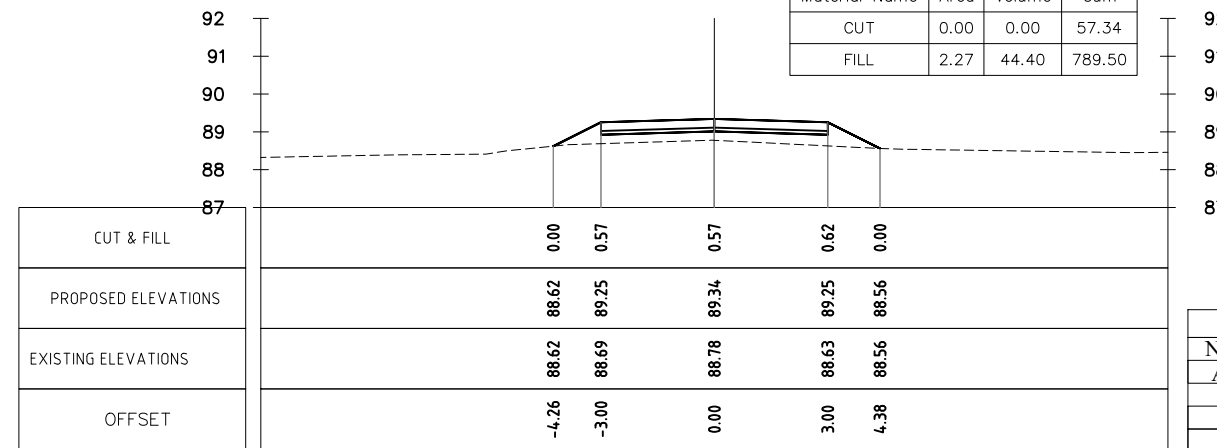
0+600.00

Material(s) at Station 0+600.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	57.34
FILL	2.17	34.03	745.10



0+620.00

Material(s) at Station 0+620.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	57.34
FILL	2.27	44.40	789.50



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

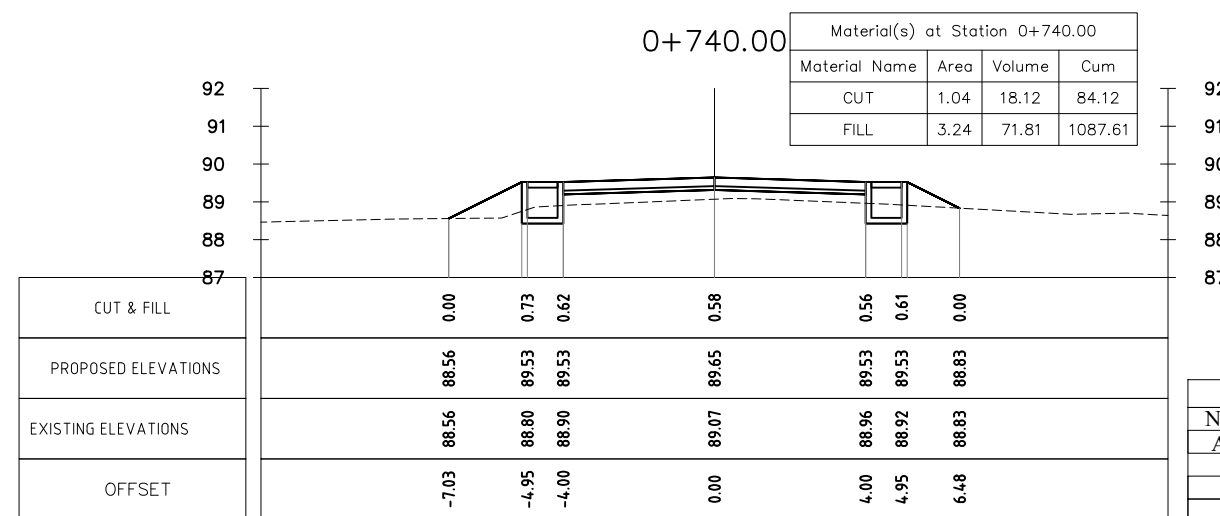
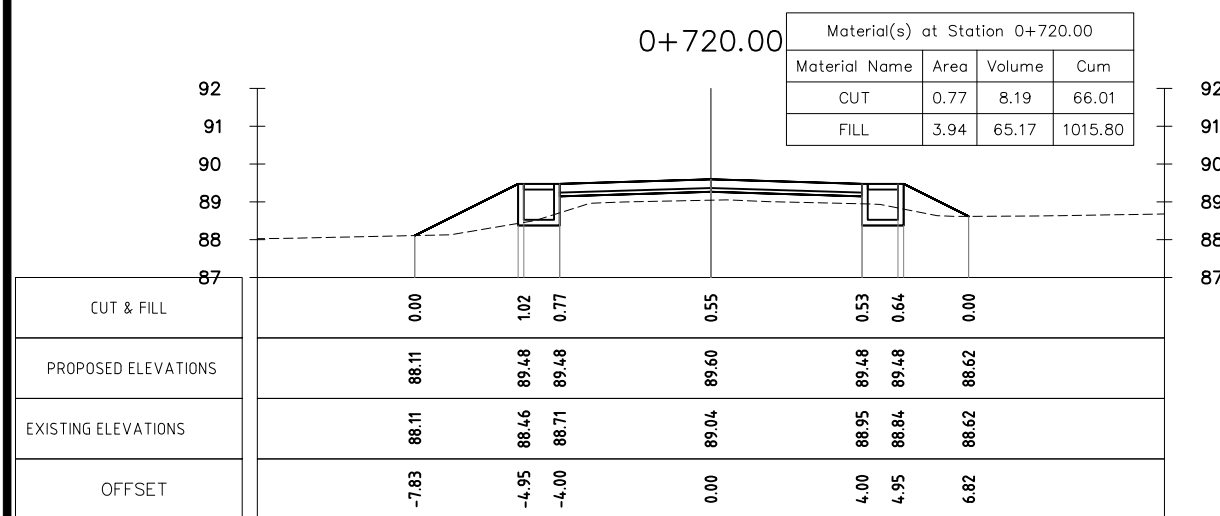
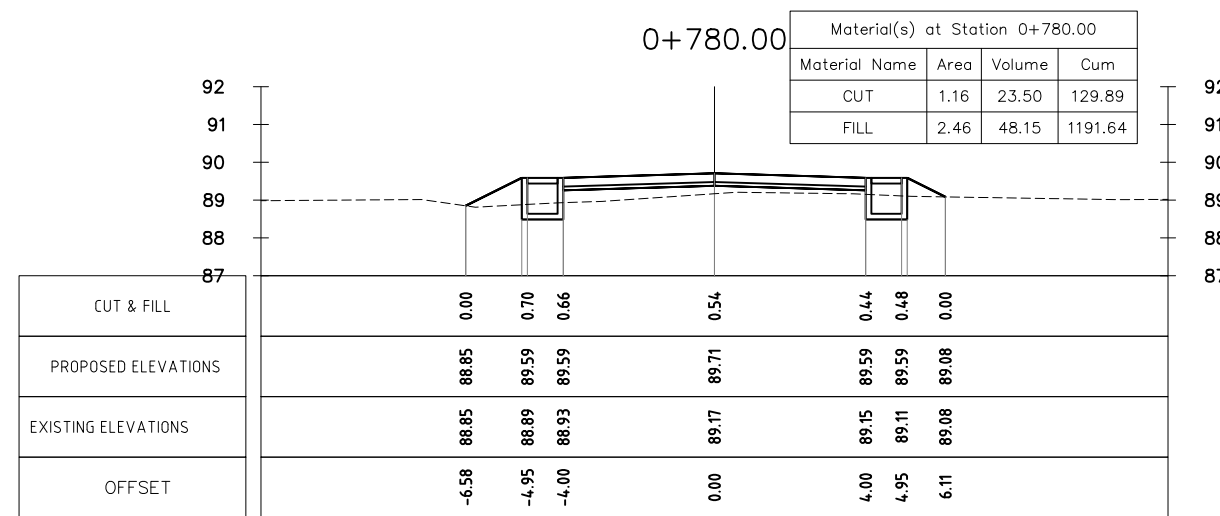
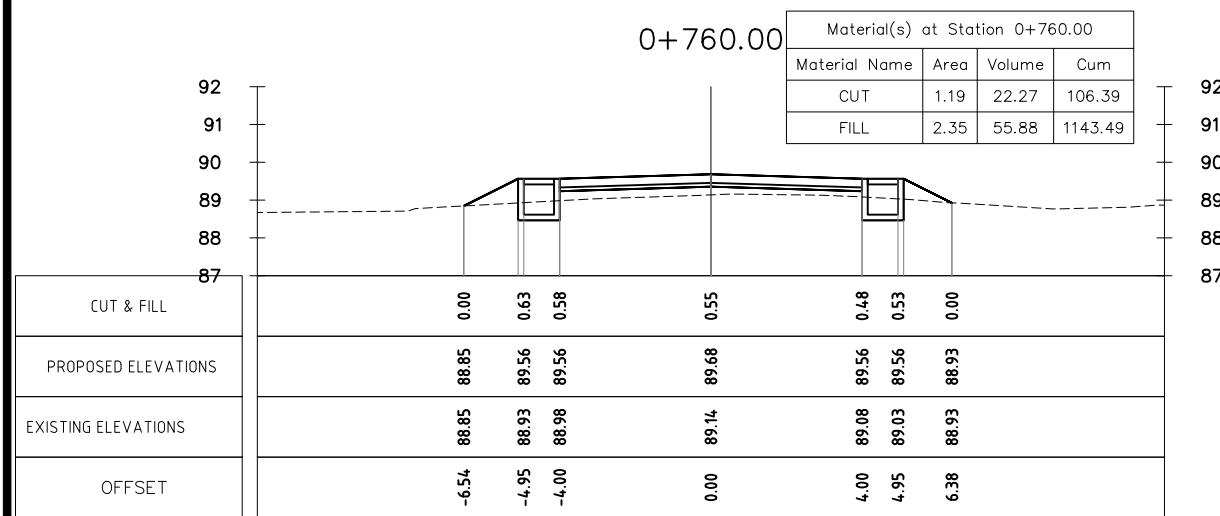
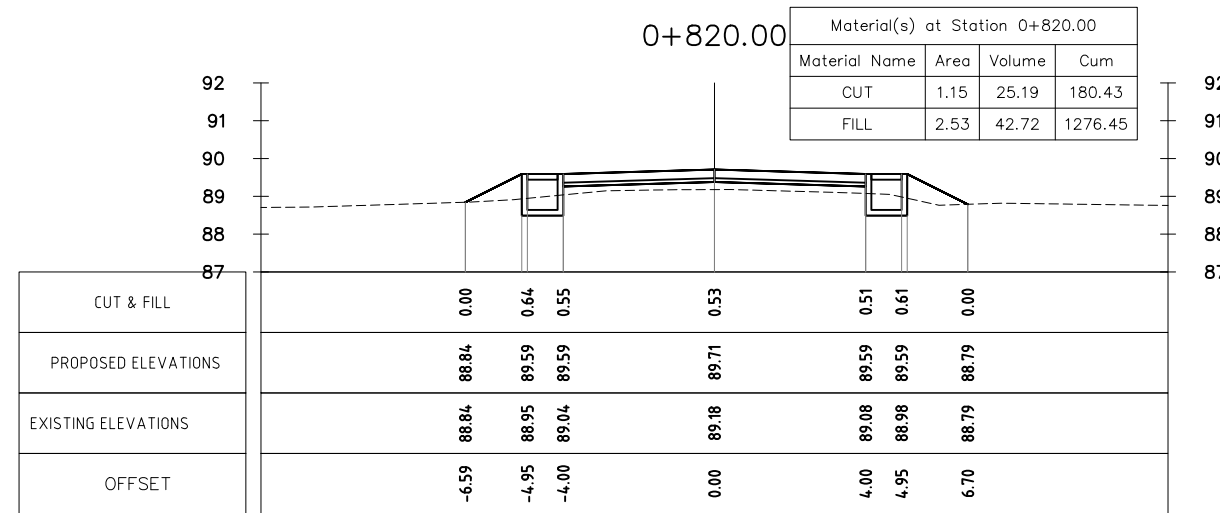
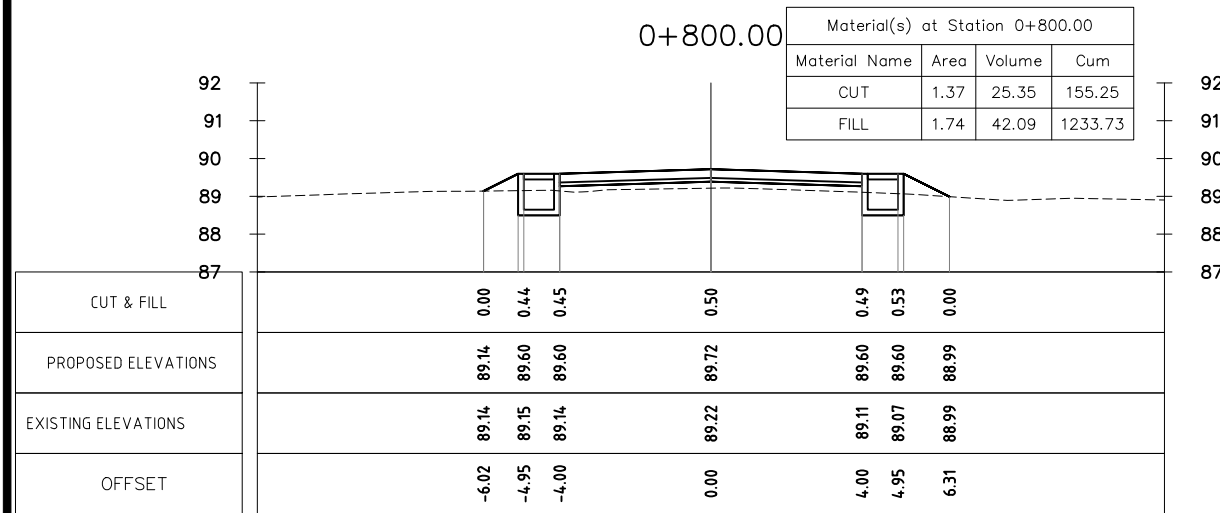


LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM0+600-0+700

DRAWING TITLE :	SCALE A3:	DATE :	DRAWING No. :	C - 01-18
	1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

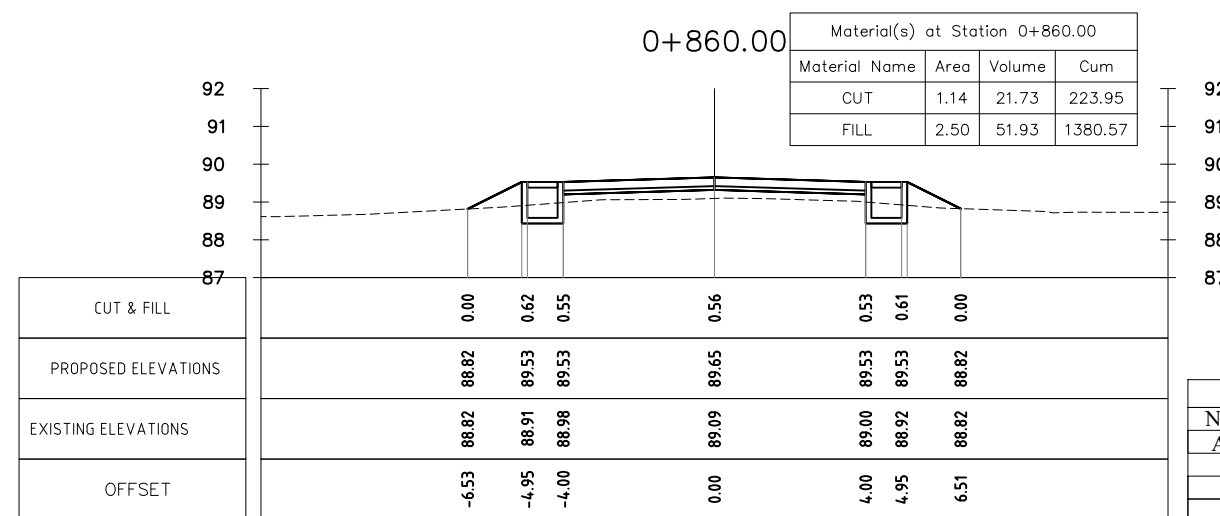
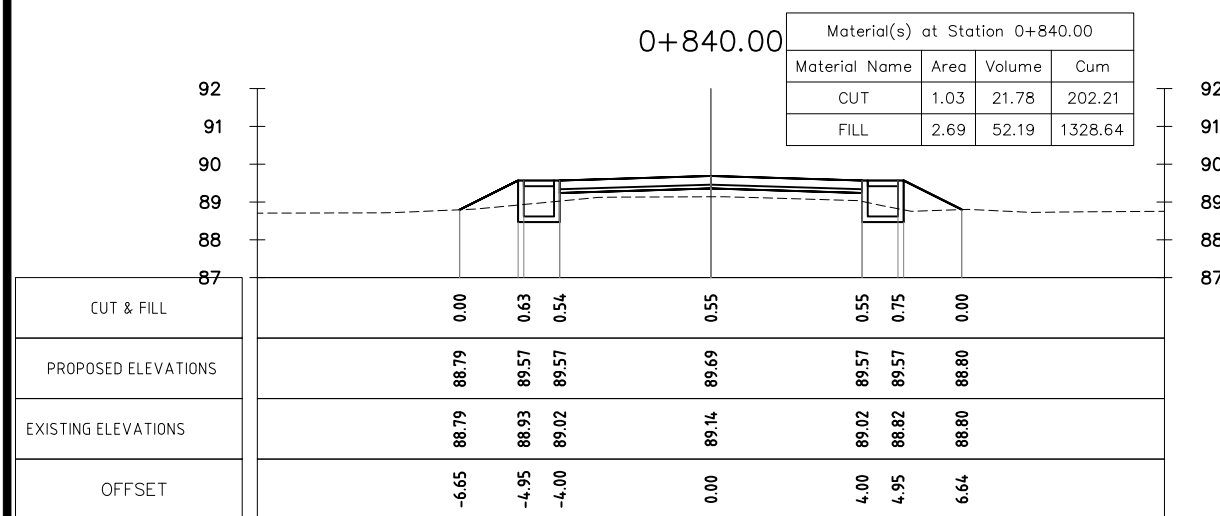
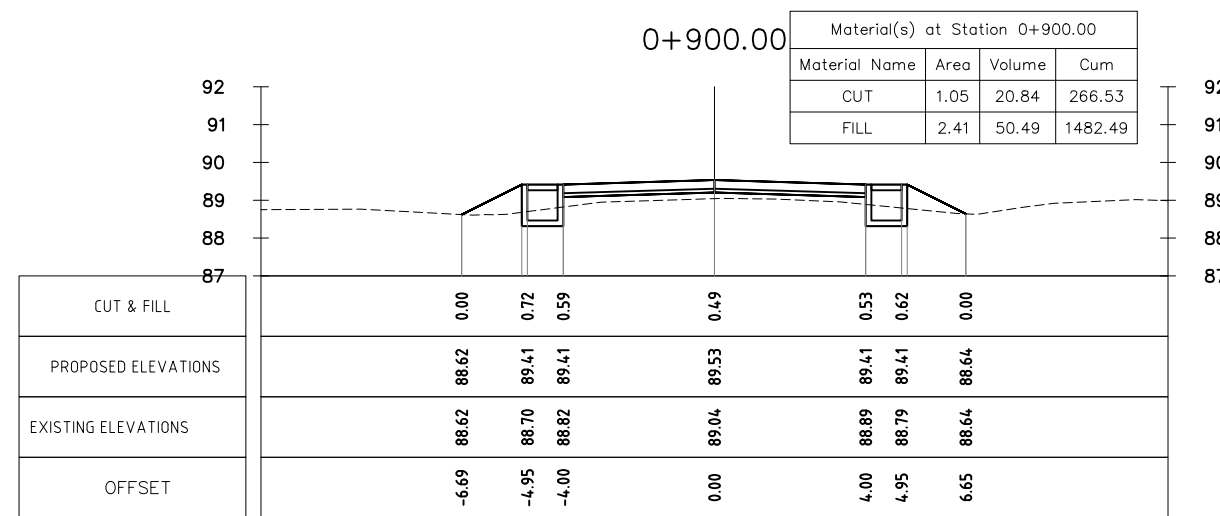
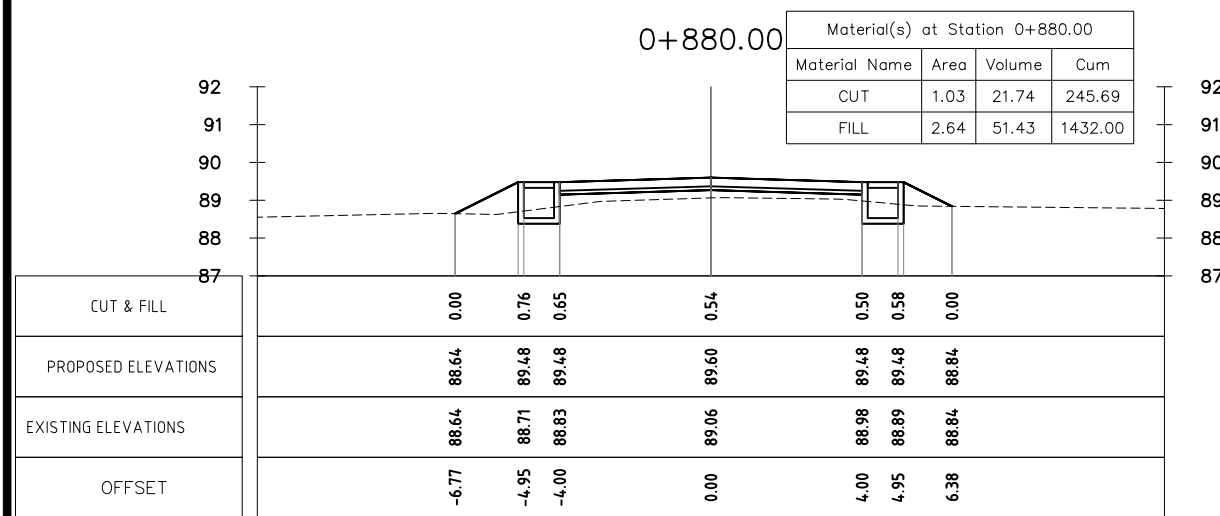
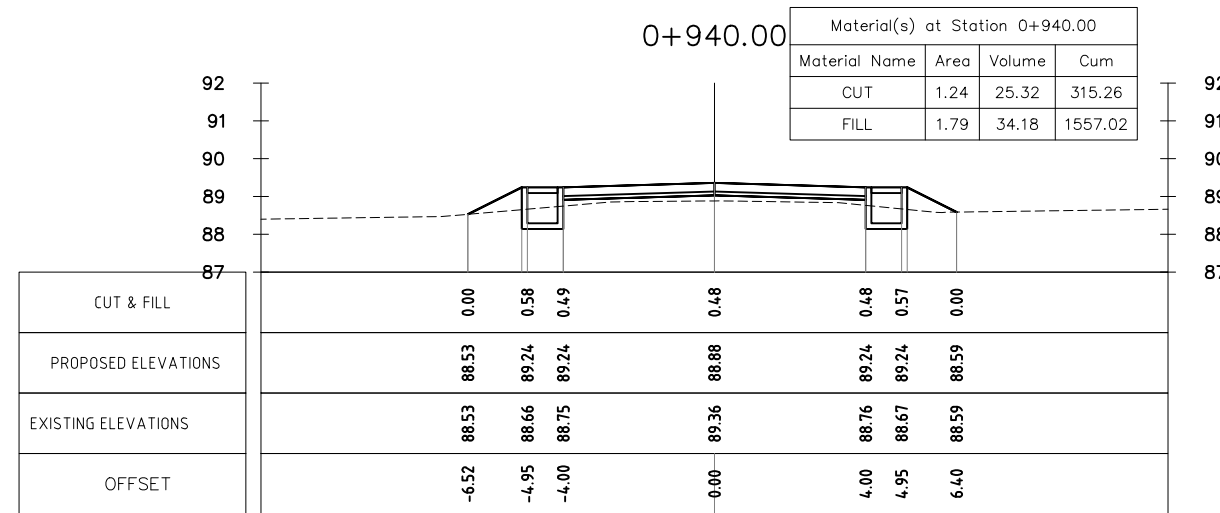
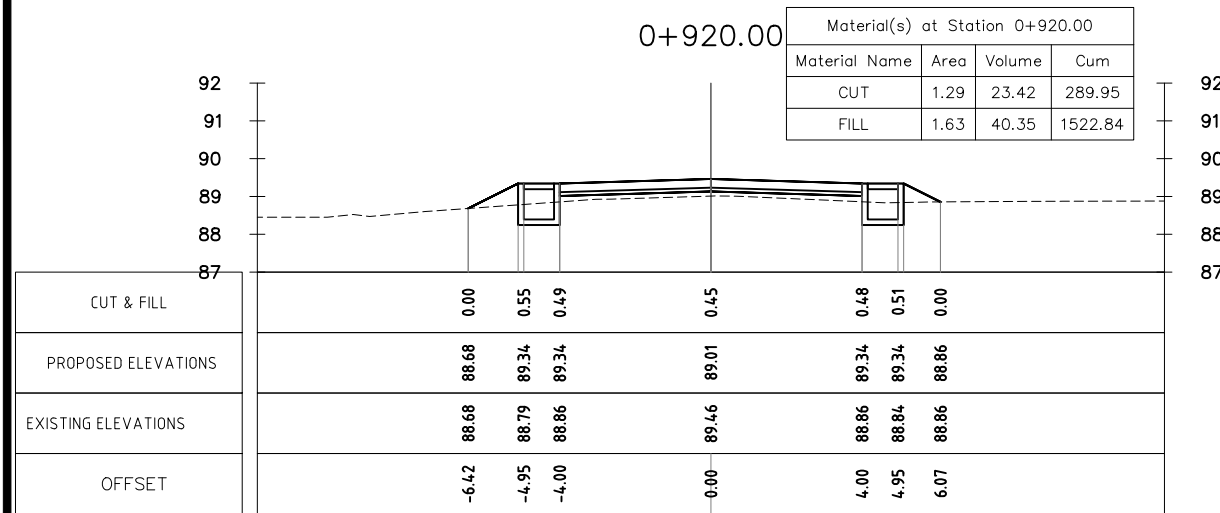
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM1+720-0+820

DRAWING TITLE :		DRAWING No. :	
SCALE: A3:	DATE :	LAO - NKS	C - 01-19
1/200			



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

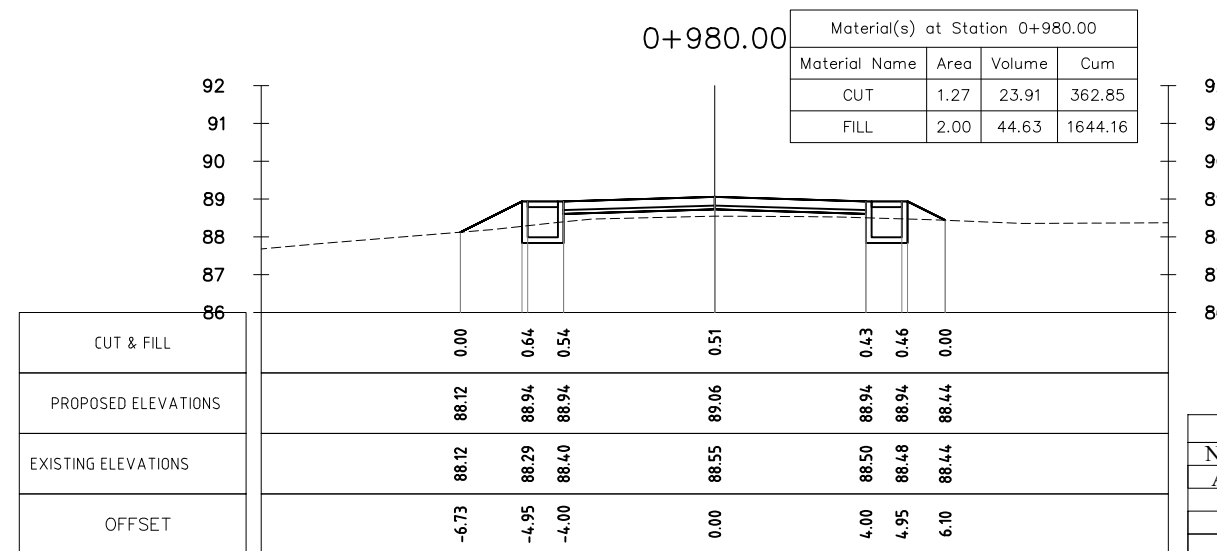
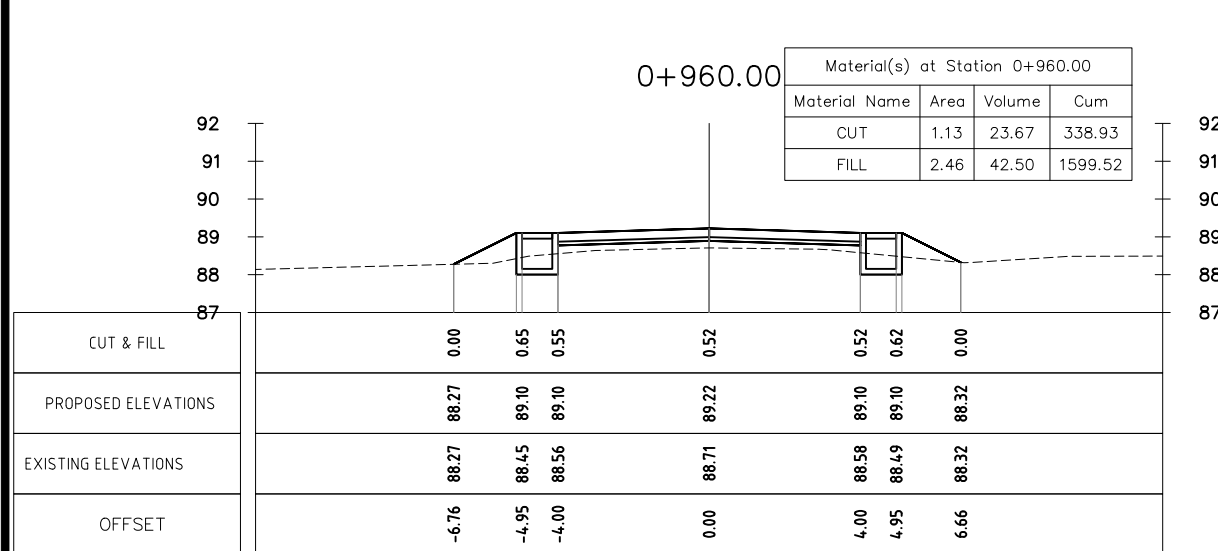
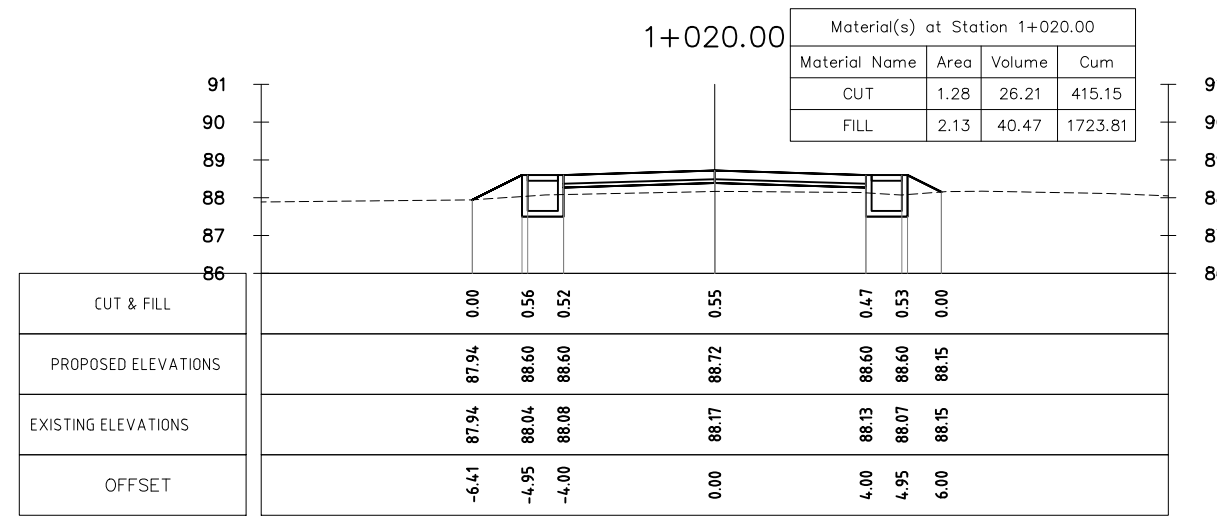
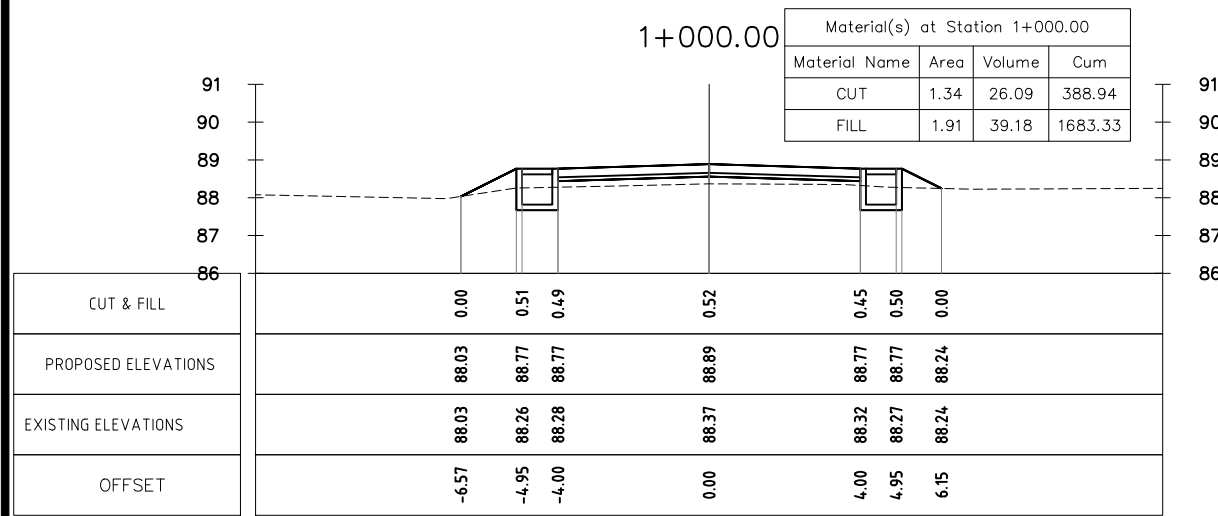
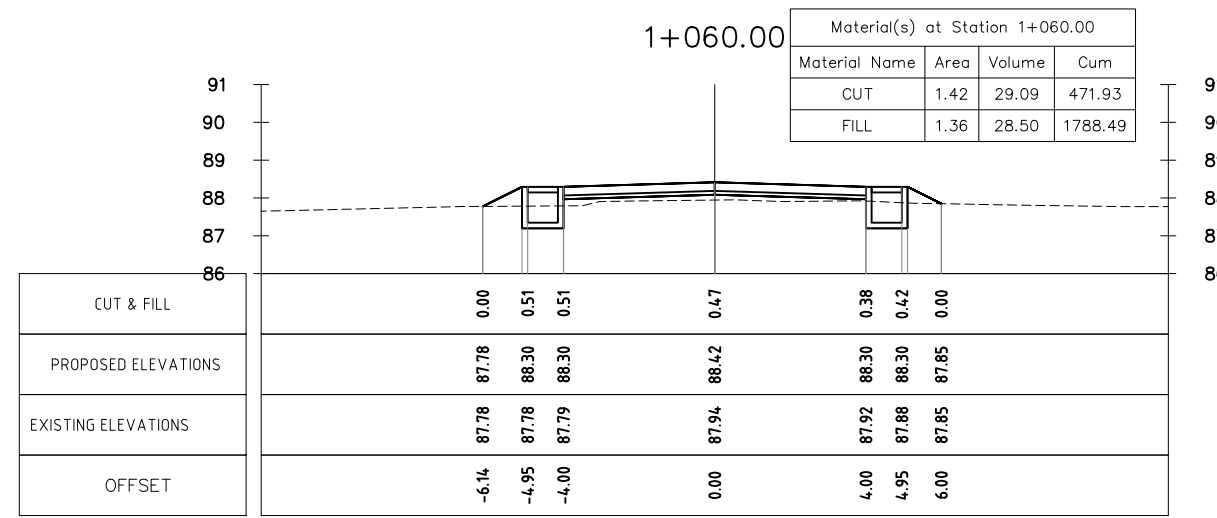
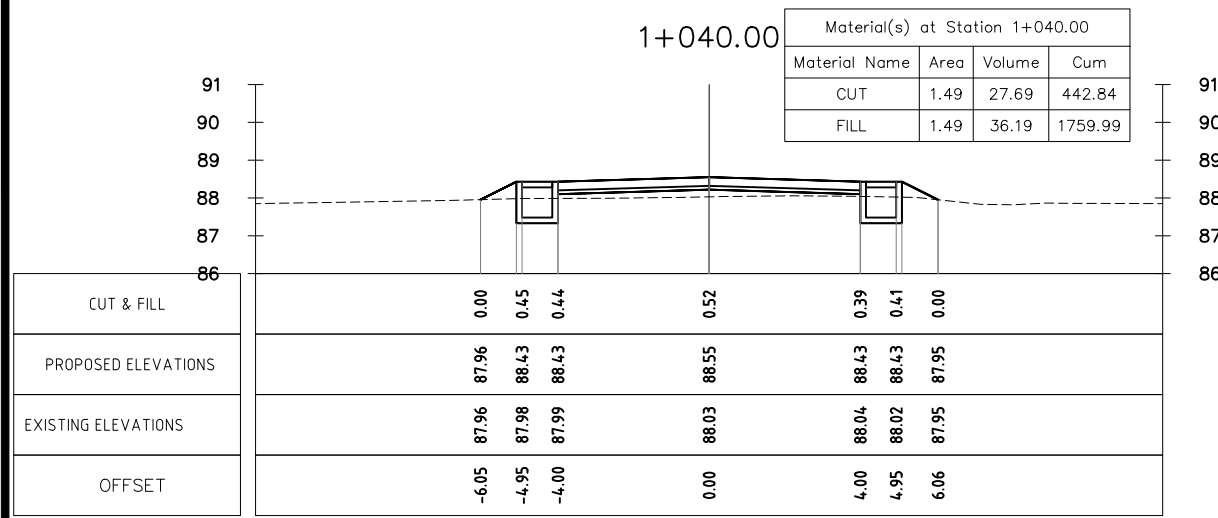


LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM0+840-0+940

DRAWING TITLE :			
SCALE: A3:	DATE :	DRAWING No. :	C - 01-20
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

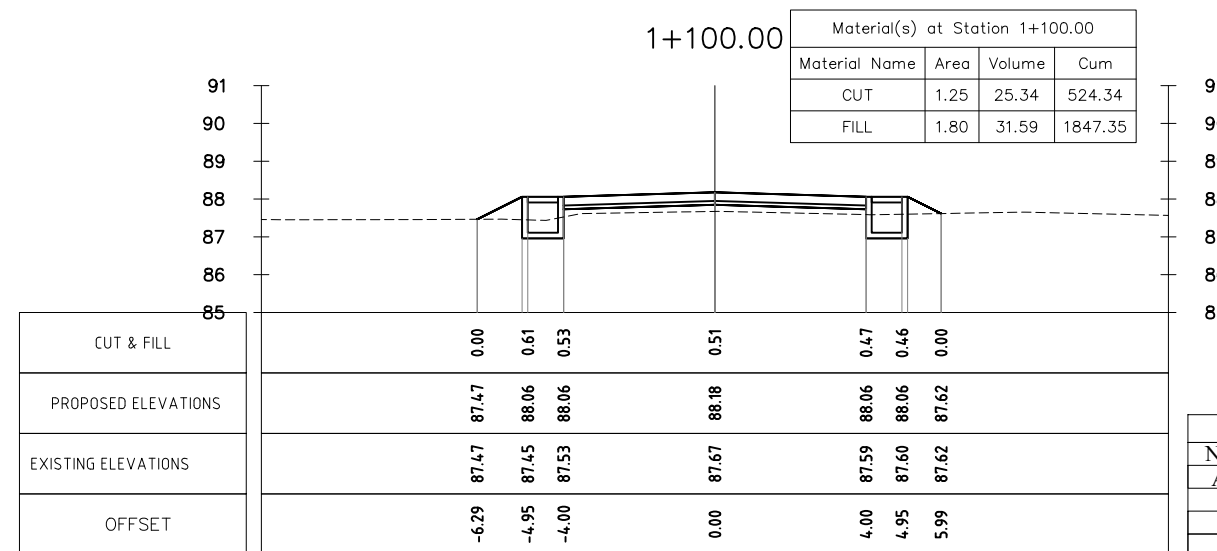
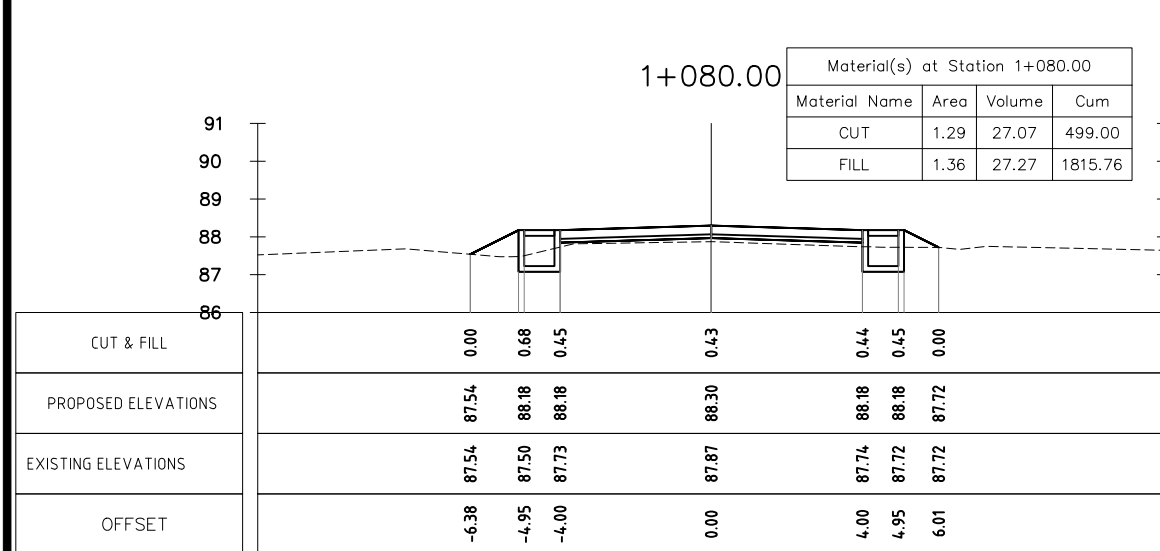
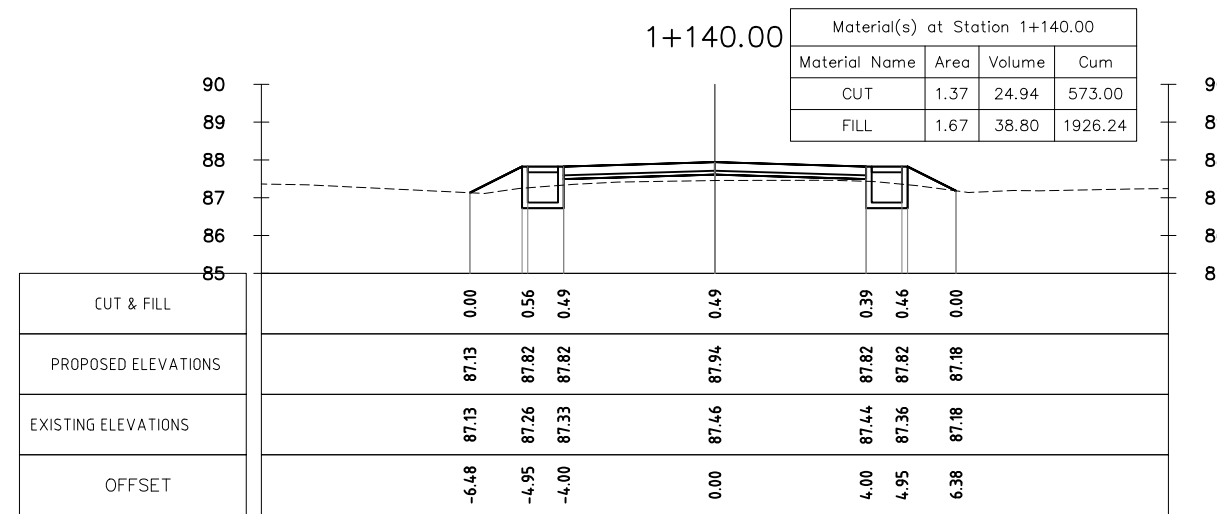
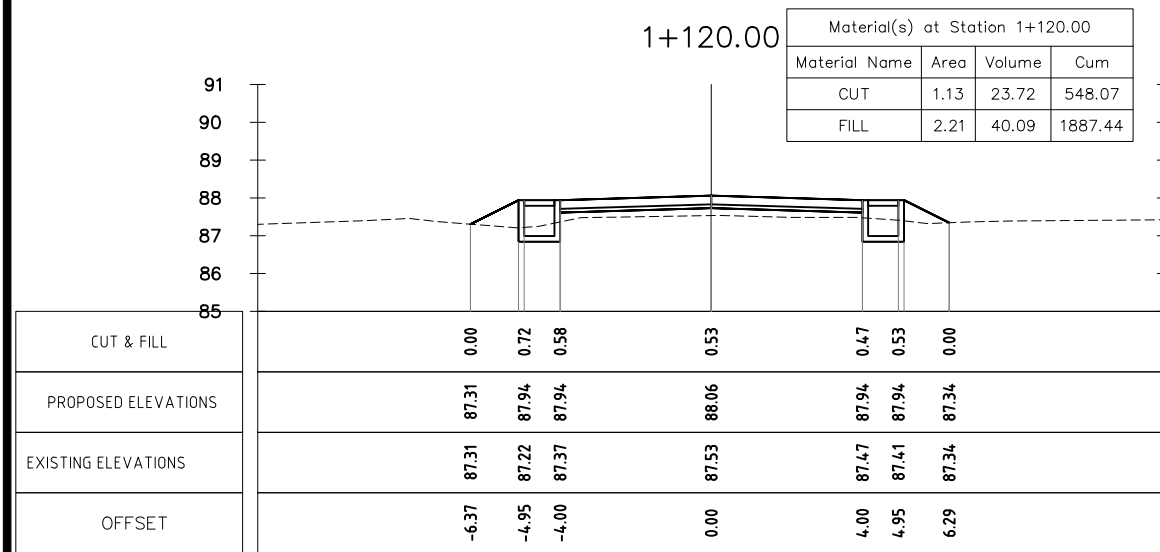
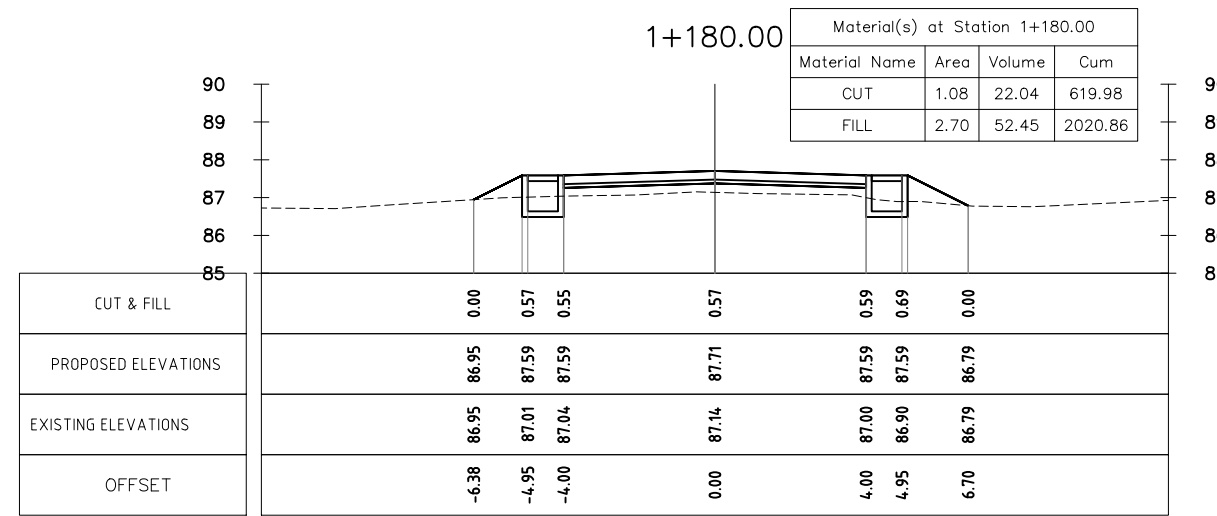
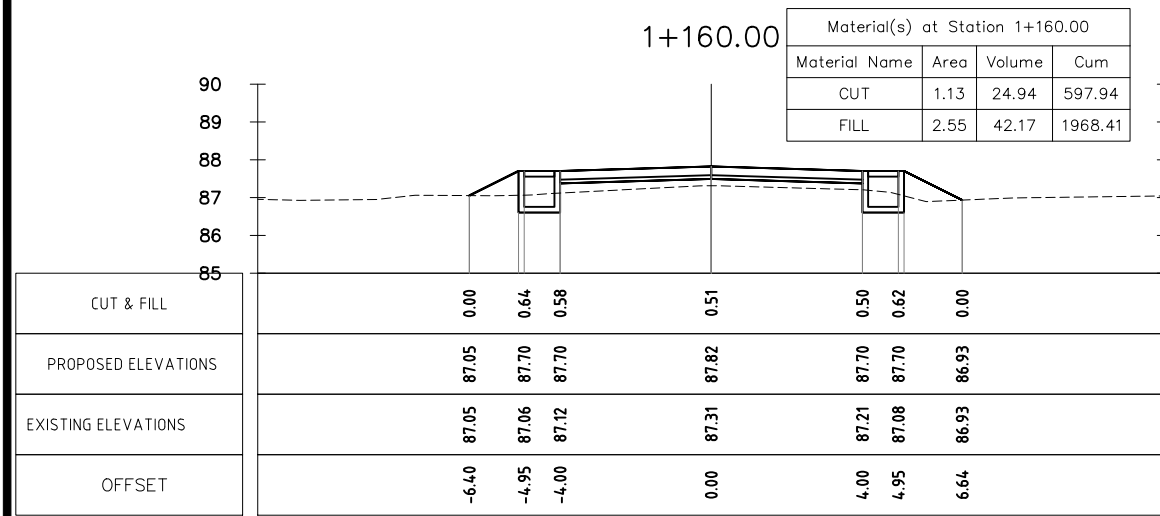
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



**Norconsult**    

PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM0+960-1+060

DRAWING TITLE :		DRAWING No. :	
SCALE: A3:	DATE :	LAO - NKS	C - 01-21
1/200			



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

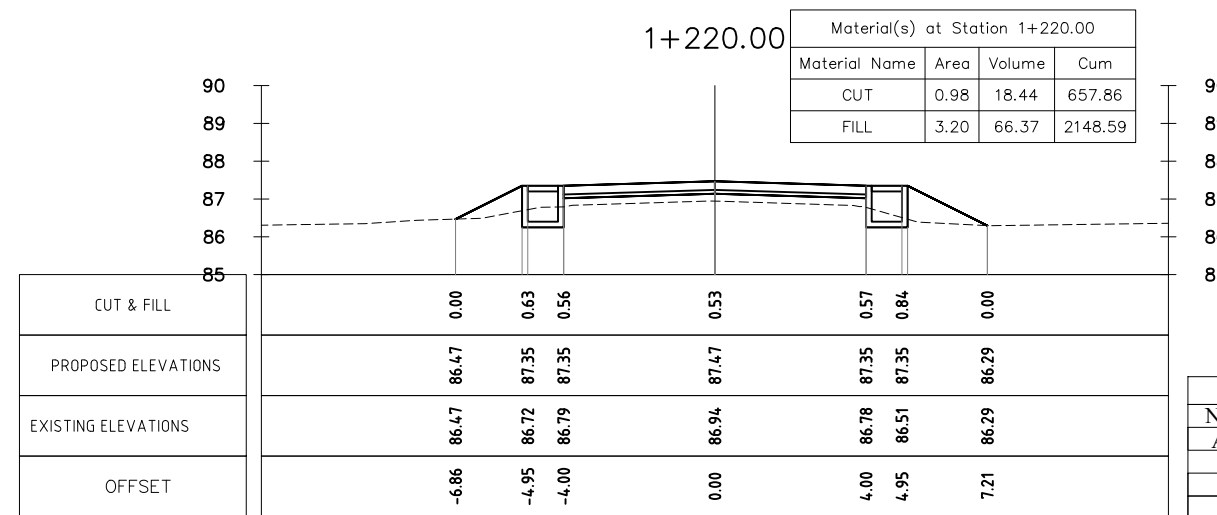
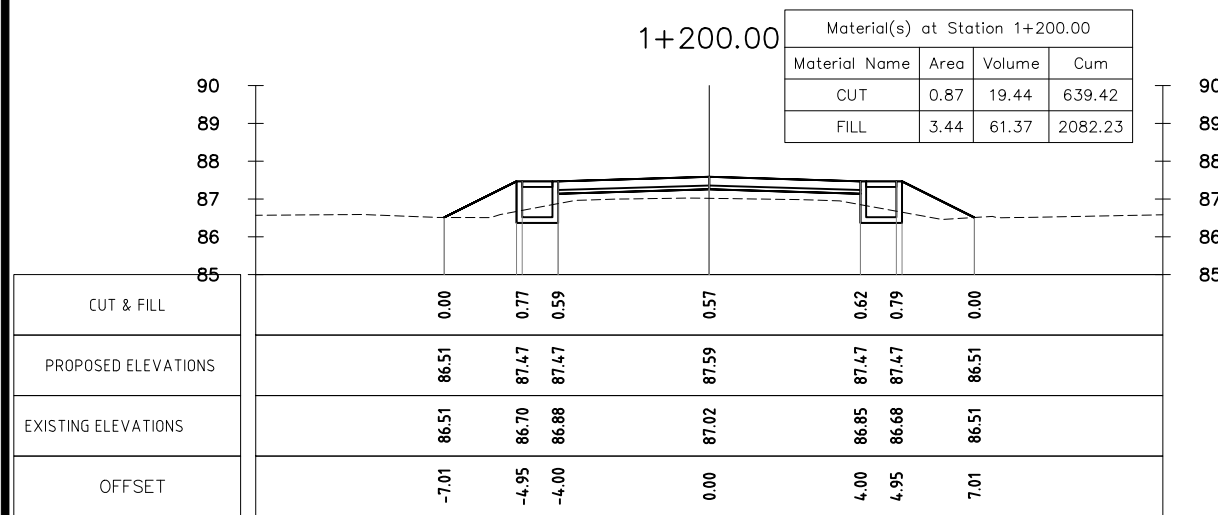
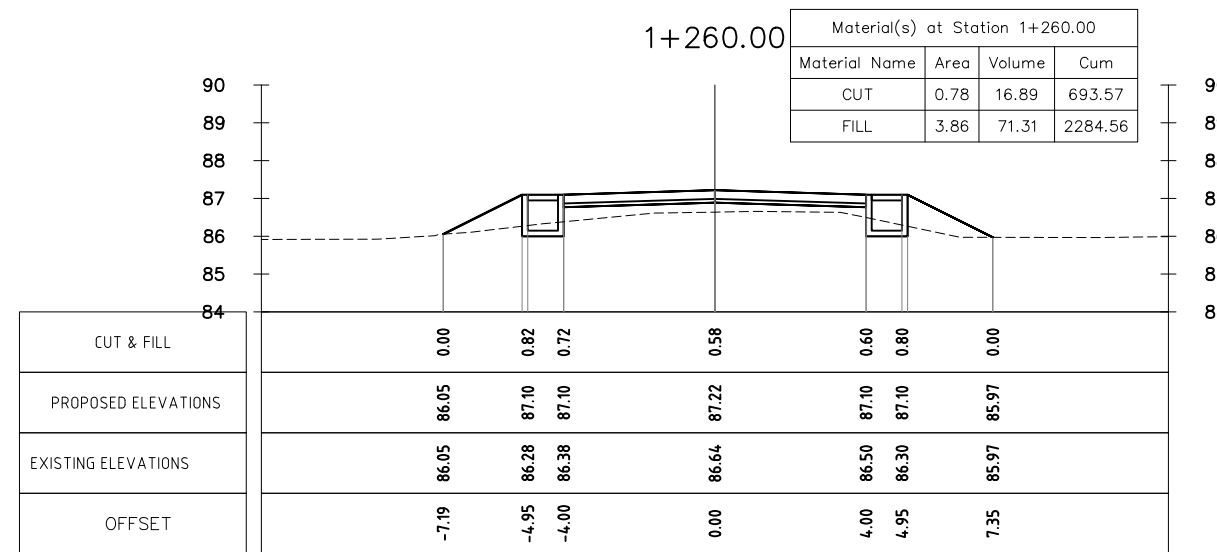
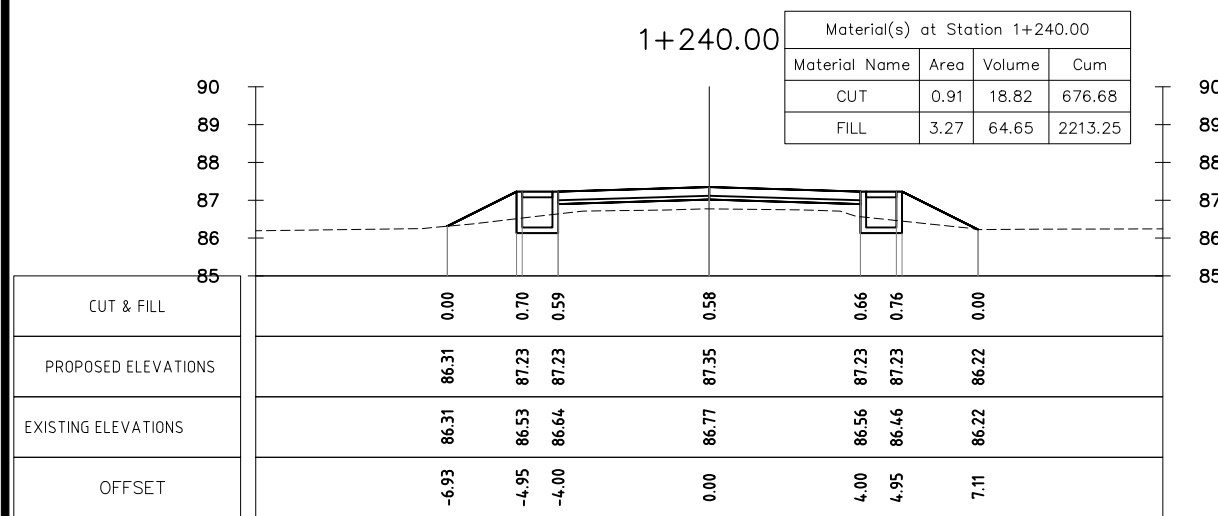
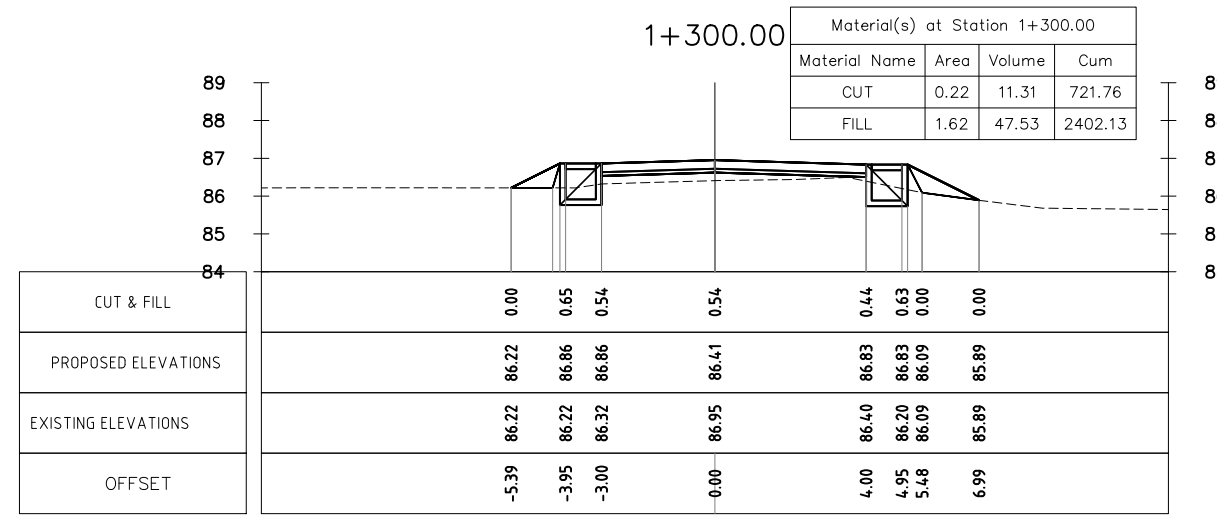
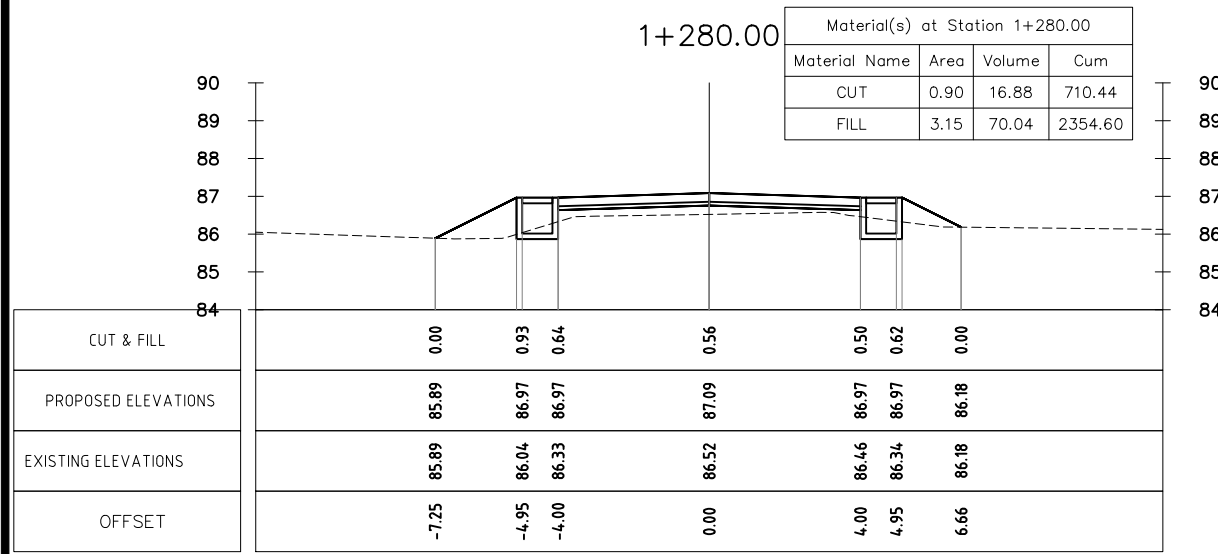


LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM1+080-1+180

DRAWING TITLE :		DRAWING No. :	
SCALE: A3:	DATE :	LAO - NKS	C - 01-22
1/200			



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

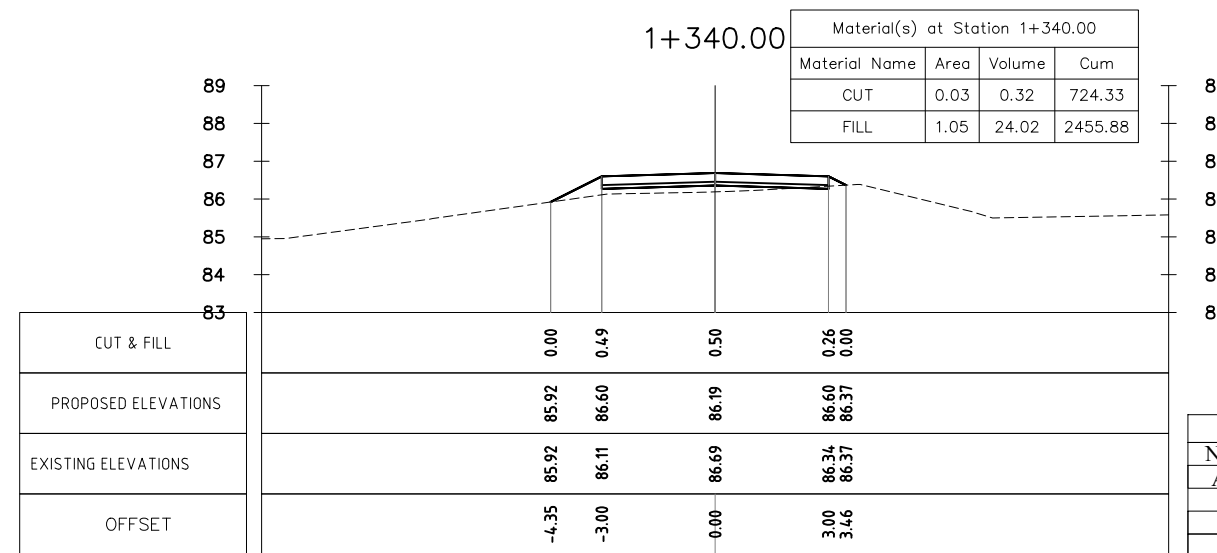
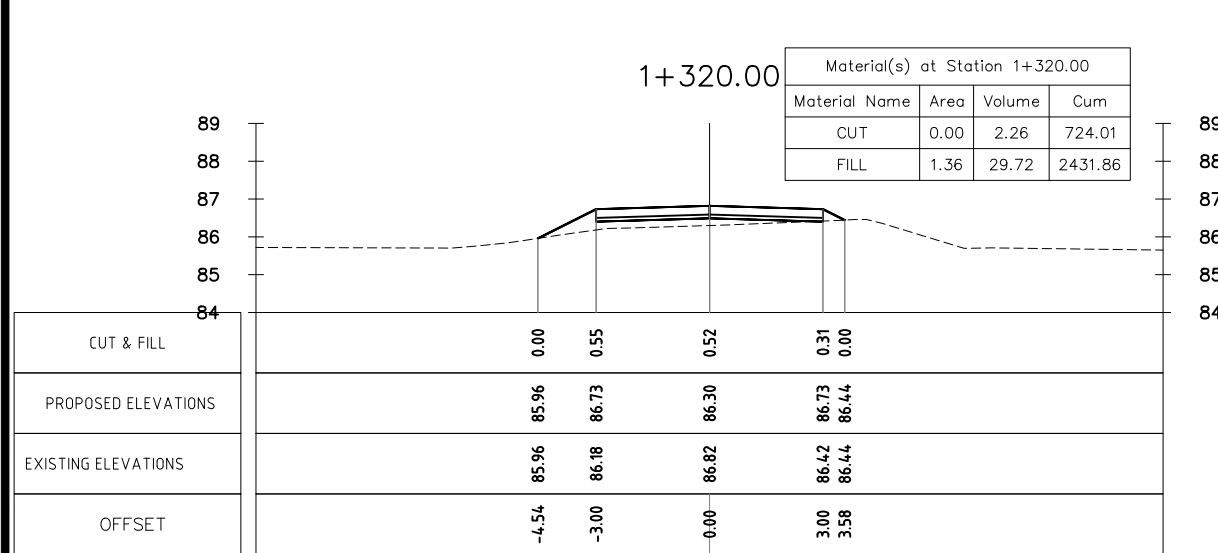
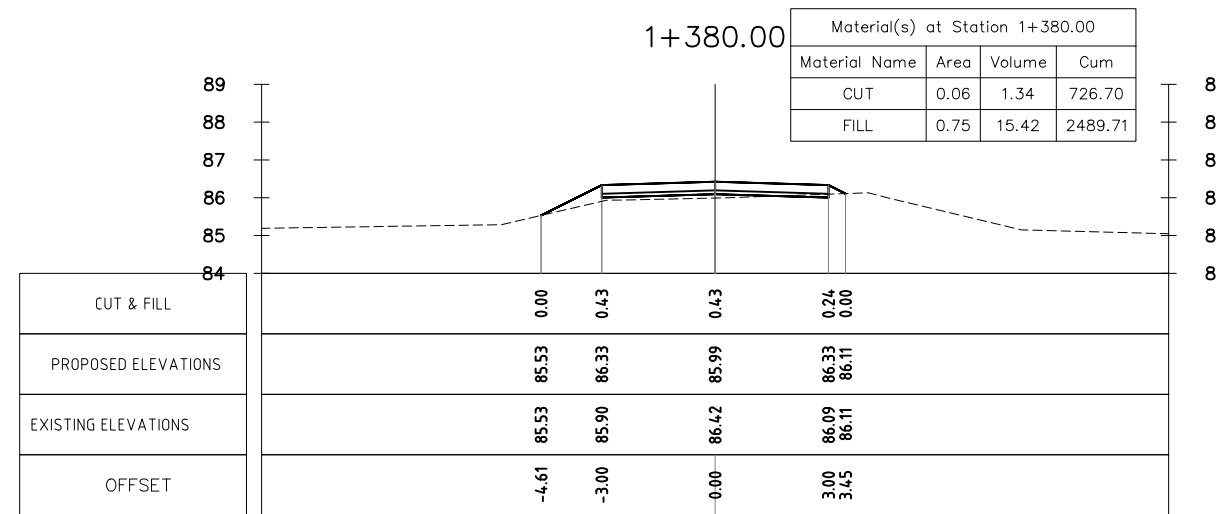
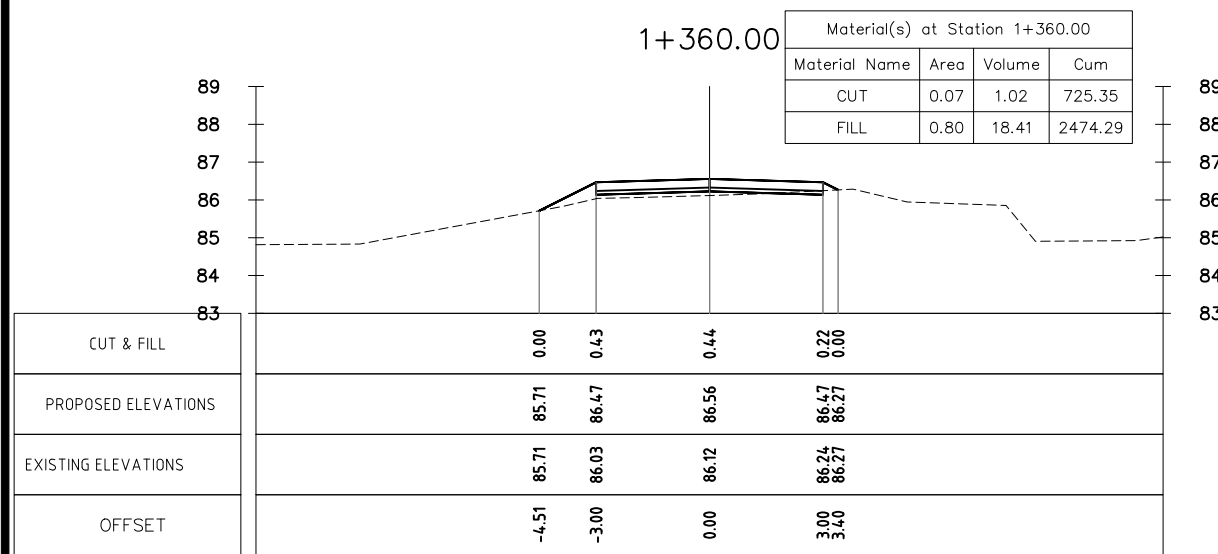
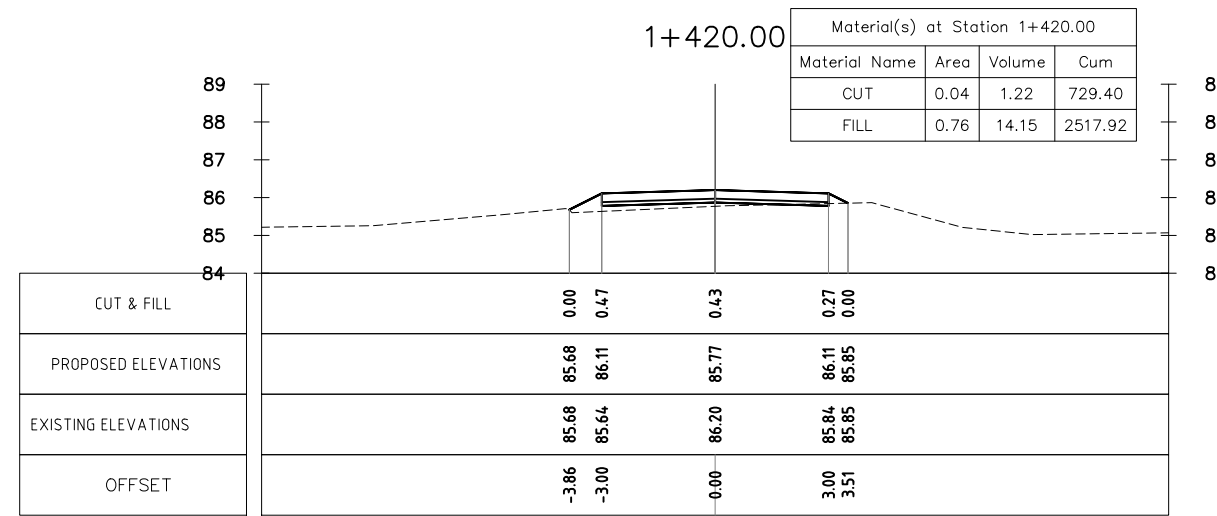
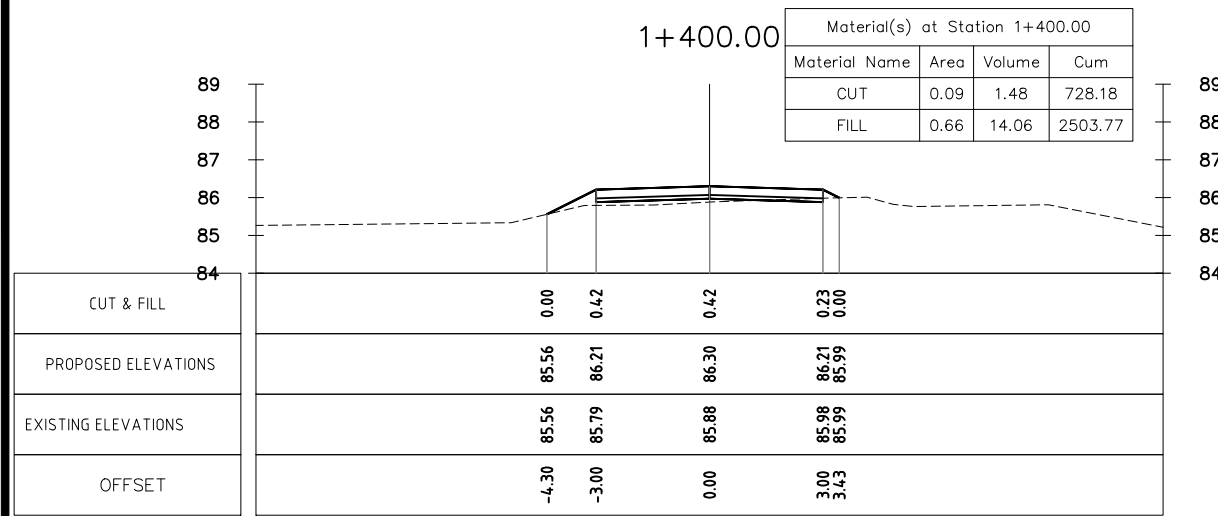
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



**Norconsult**    

PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM1+200-1+300

DRAWING TITLE :		DRAWING No. :	
SCALE: A3:	DATE :	LAO - NKS	C - 01-23
1/200			



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

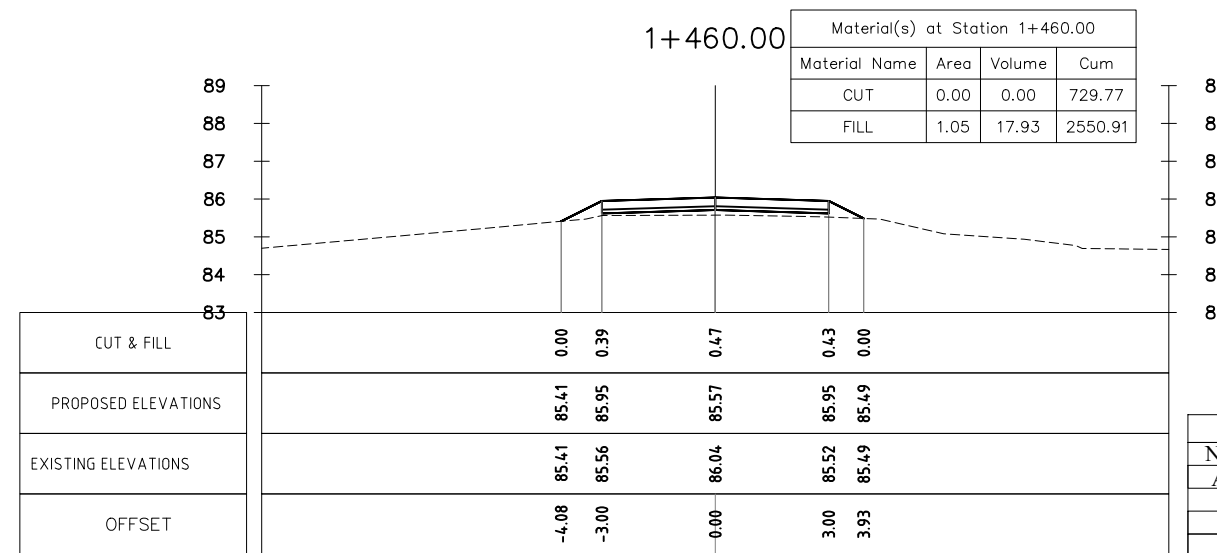
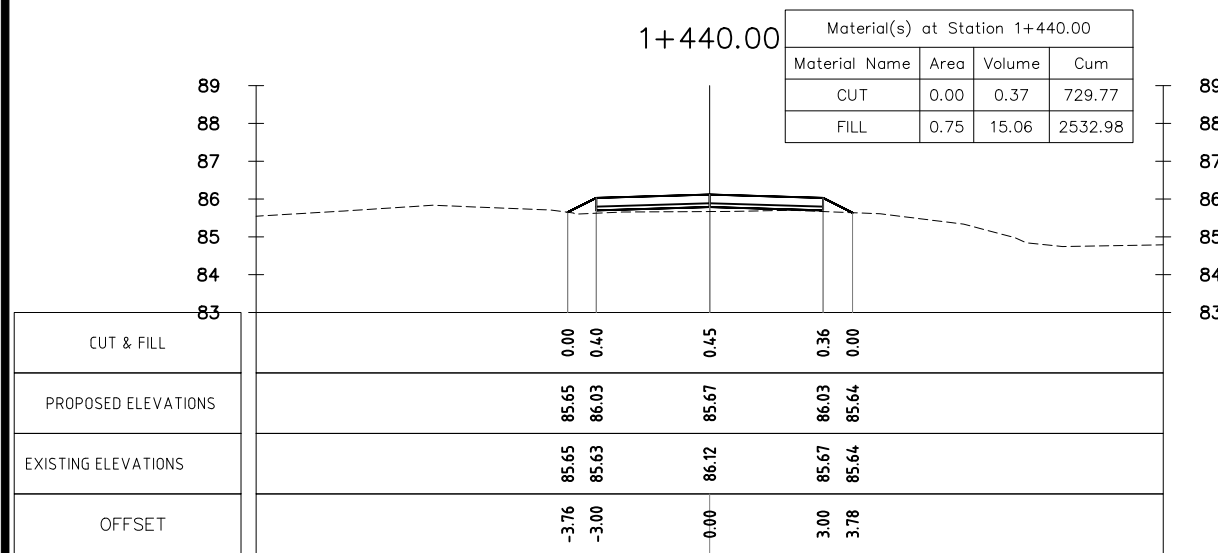
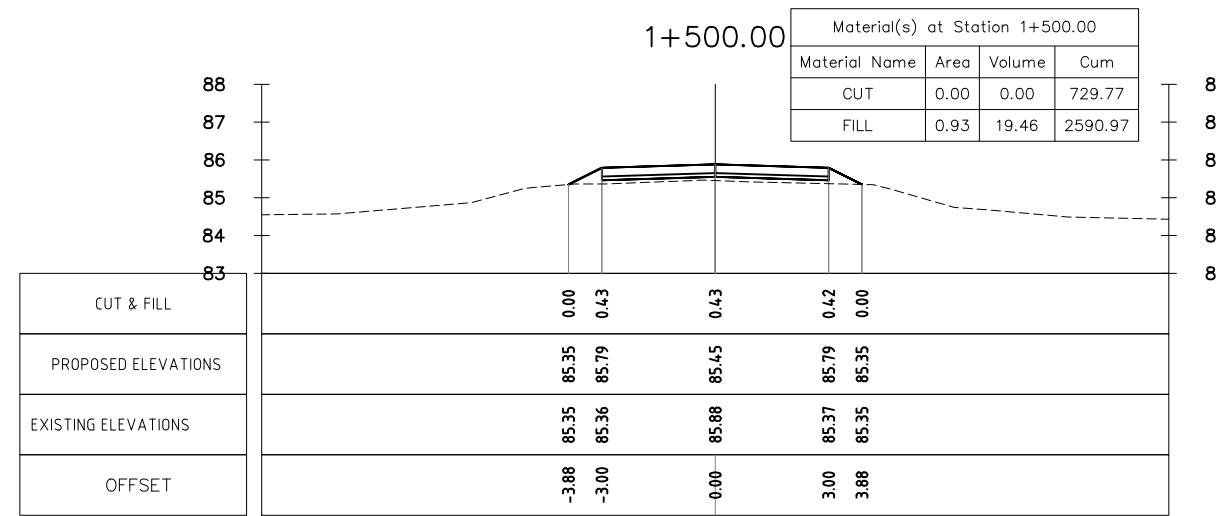
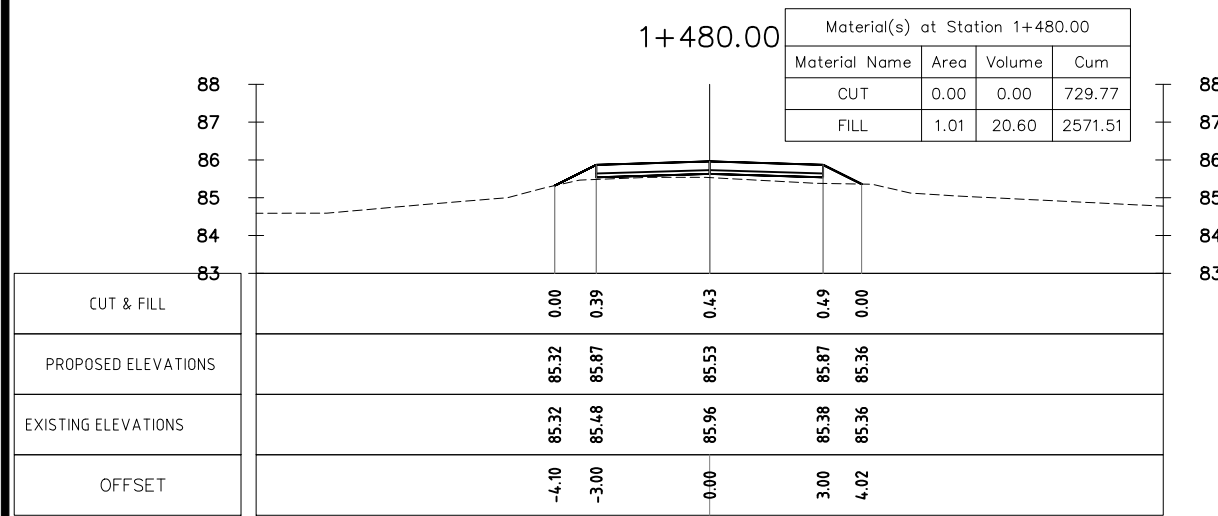
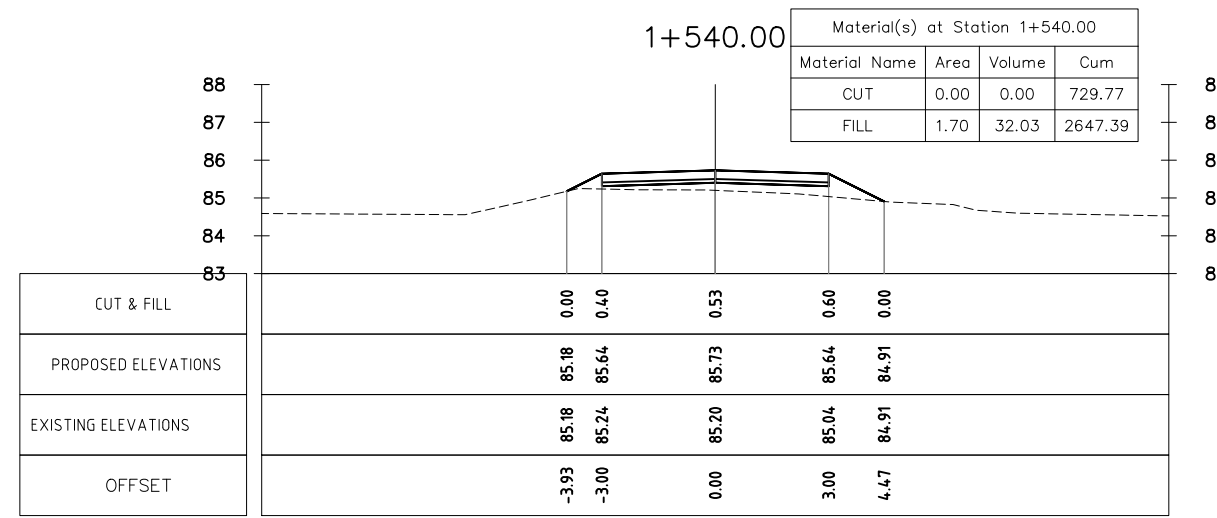
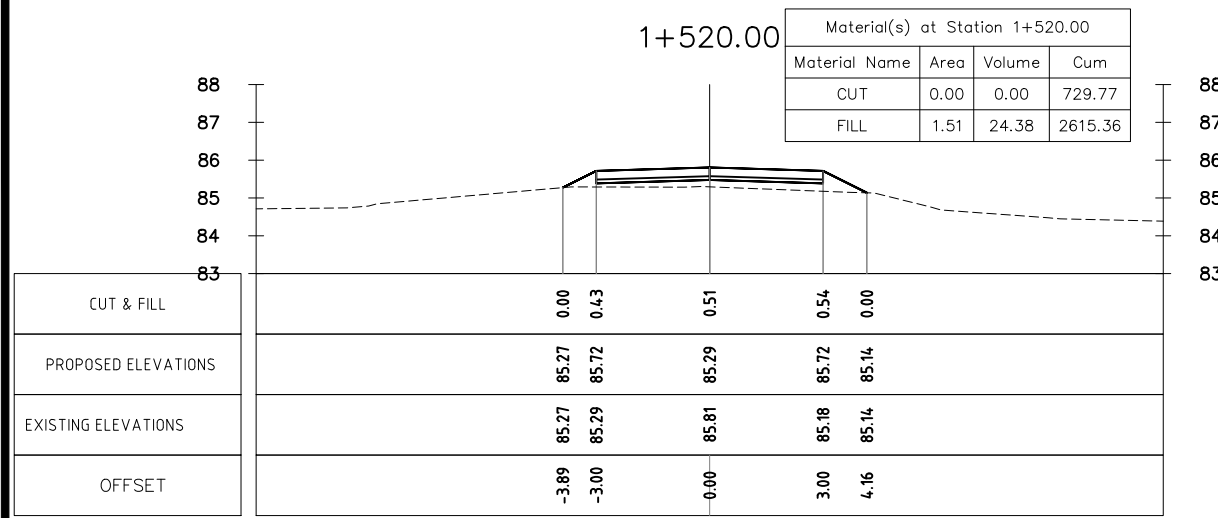
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM1+320-1+420

SCALE: A3:	DATE:	DRAWING No.:	C - 01-24
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



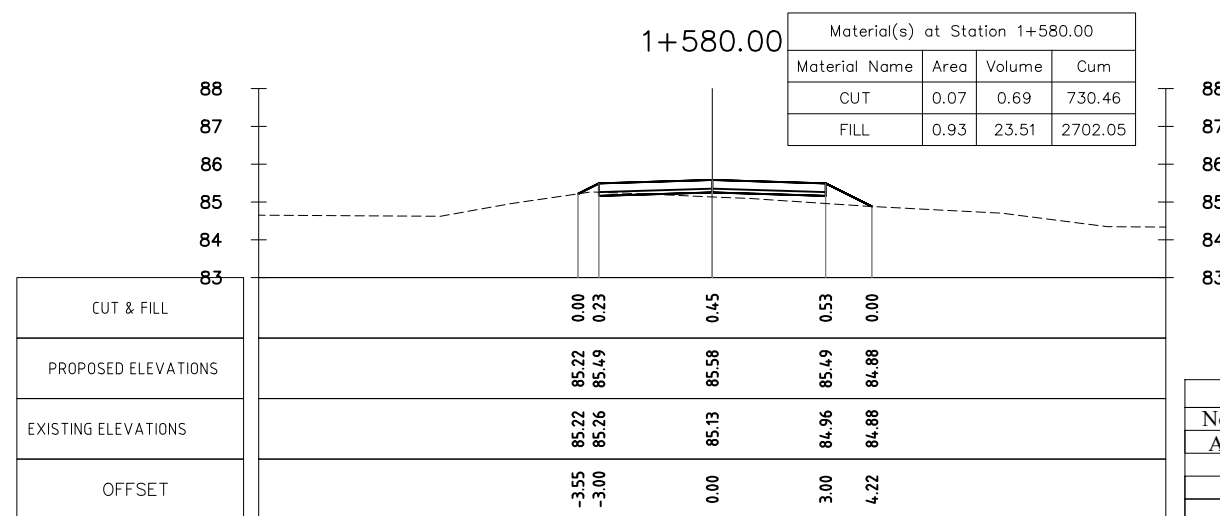
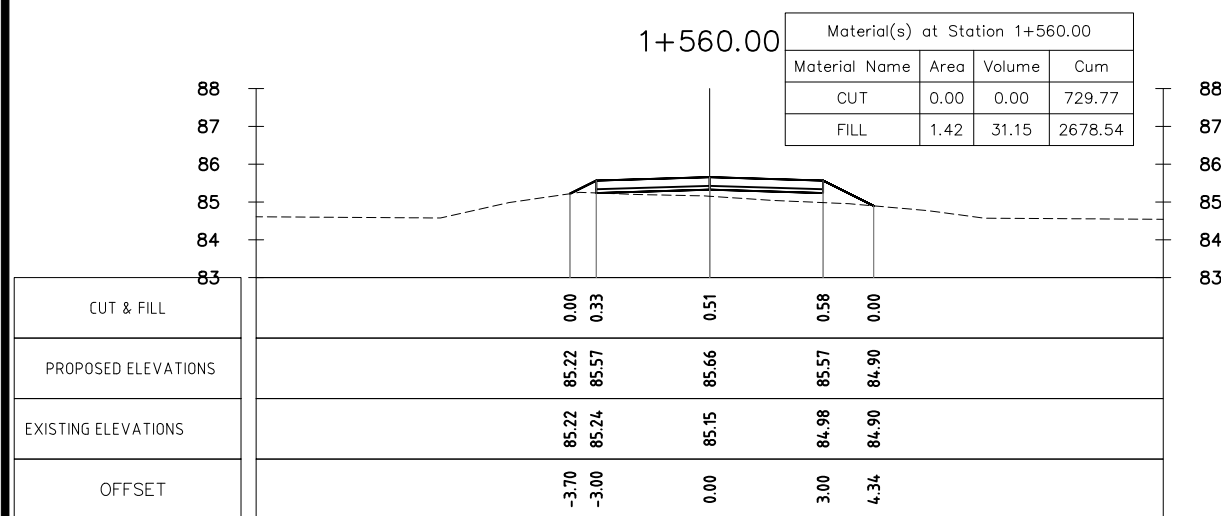
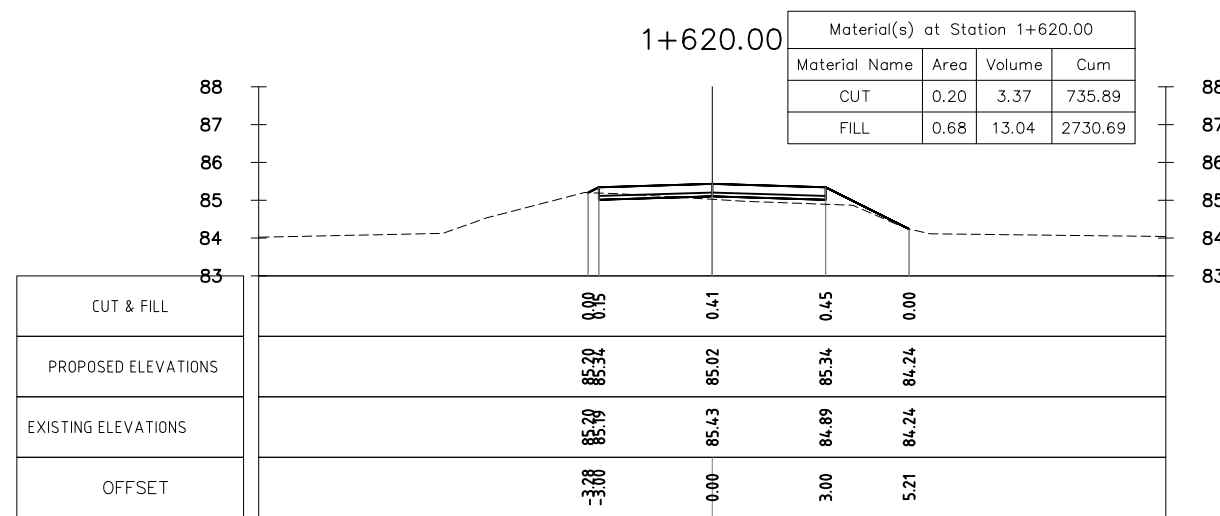
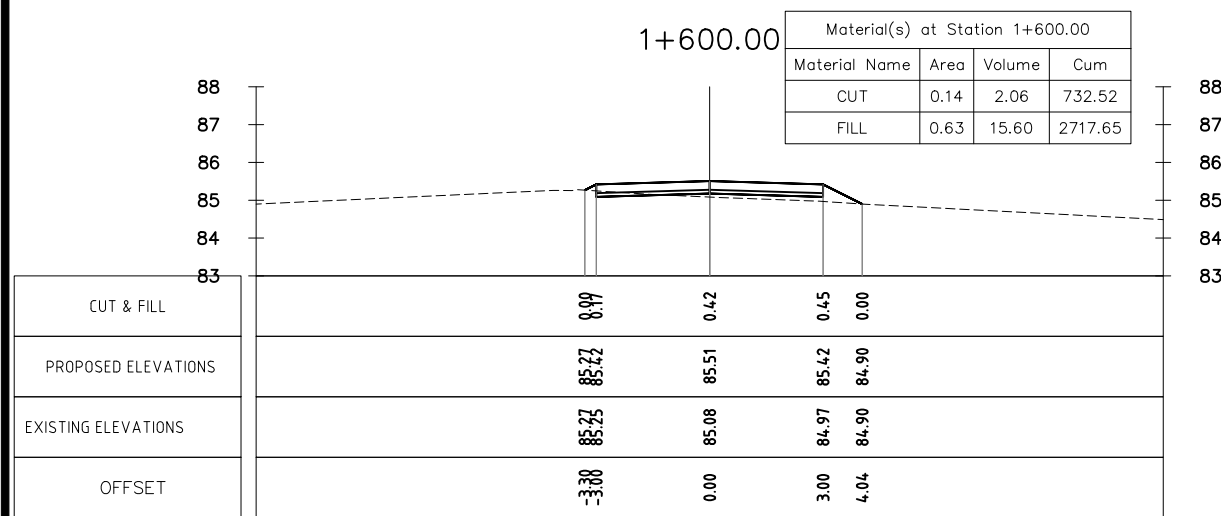
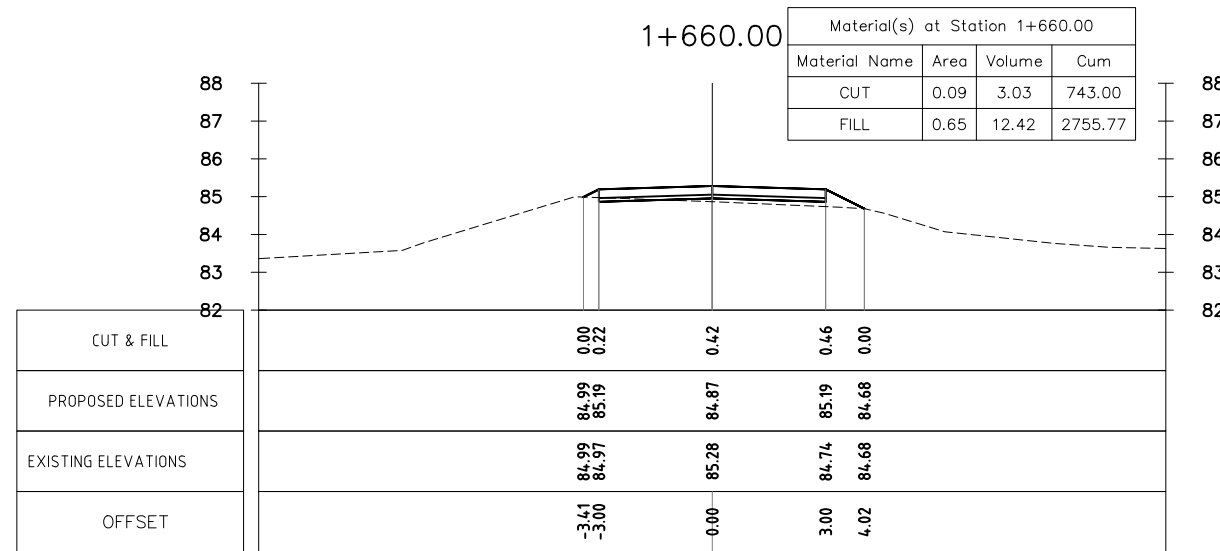
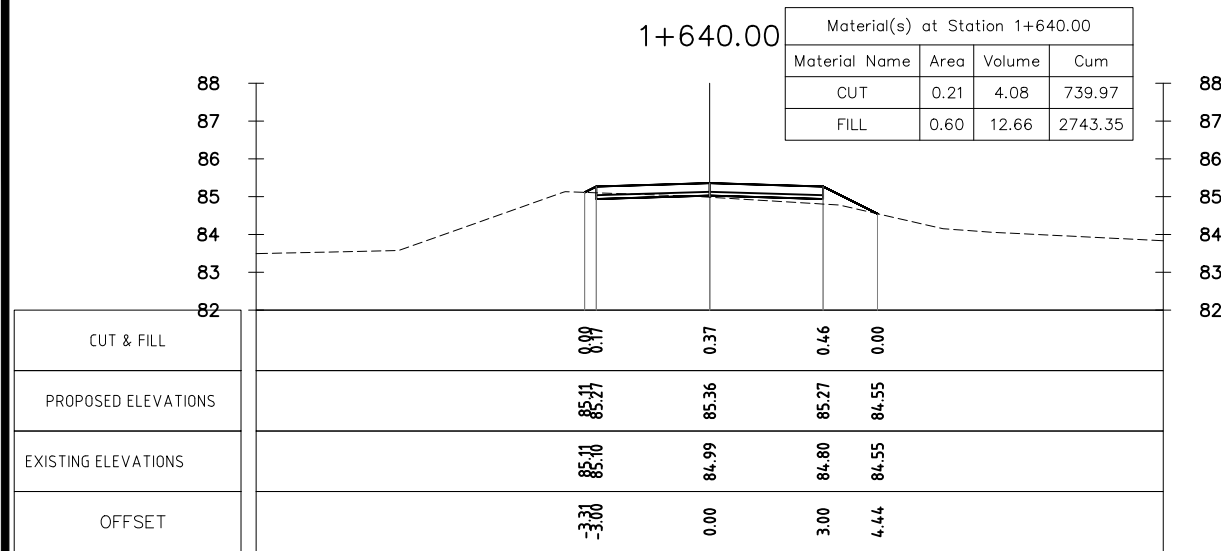
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM1+440-1+540

DRAWING TITLE :		DRAWING No. :	
SCALE: A3:	DATE :	LAO - NKS	C - 01-25
1/200			





REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

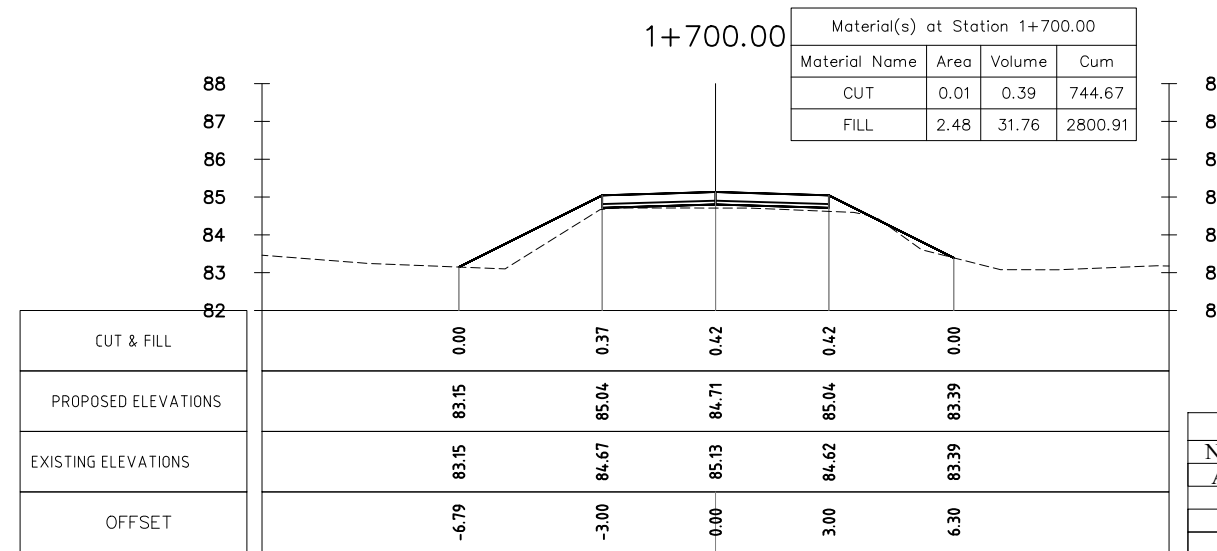
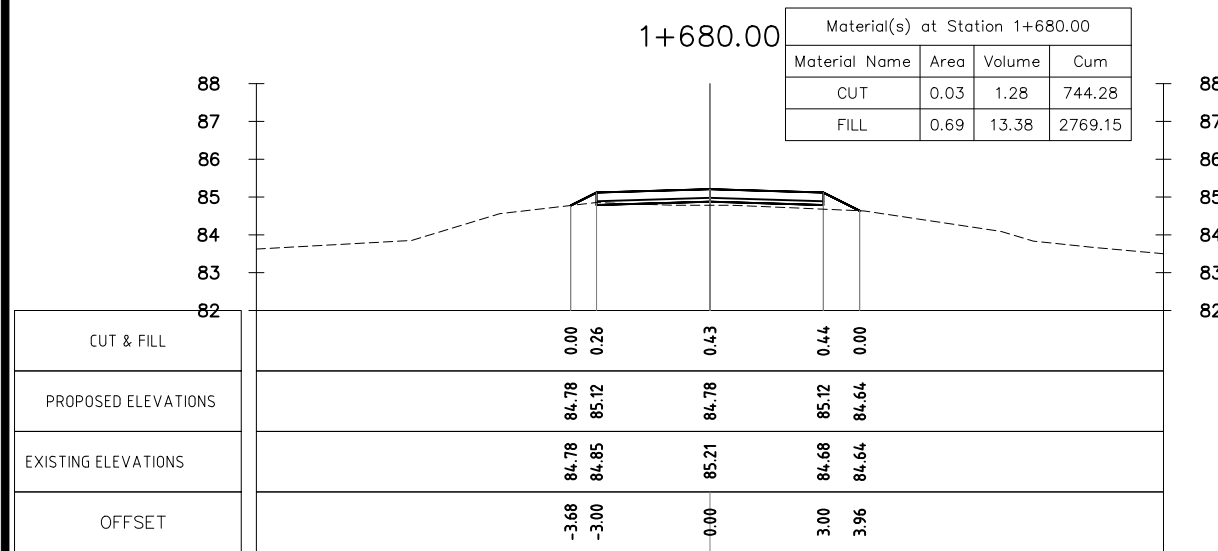
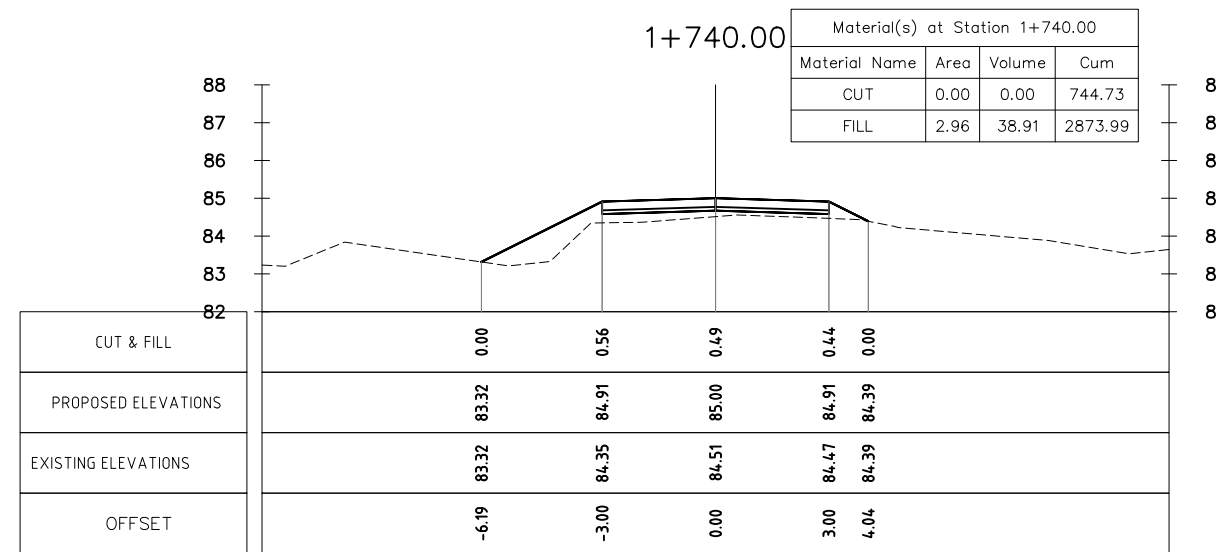
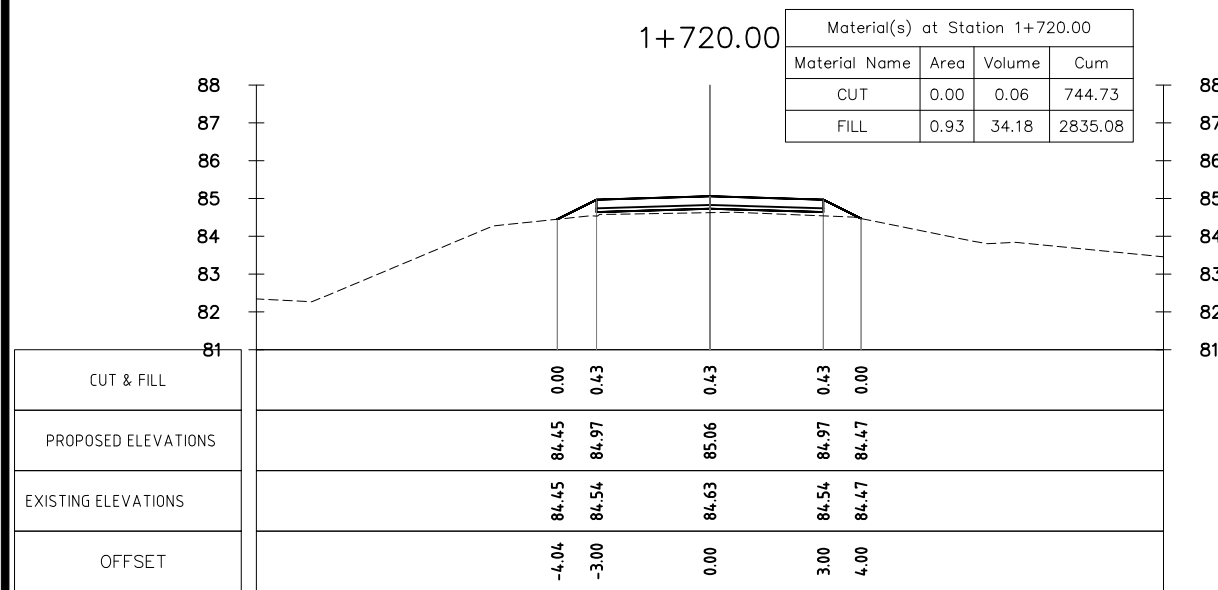
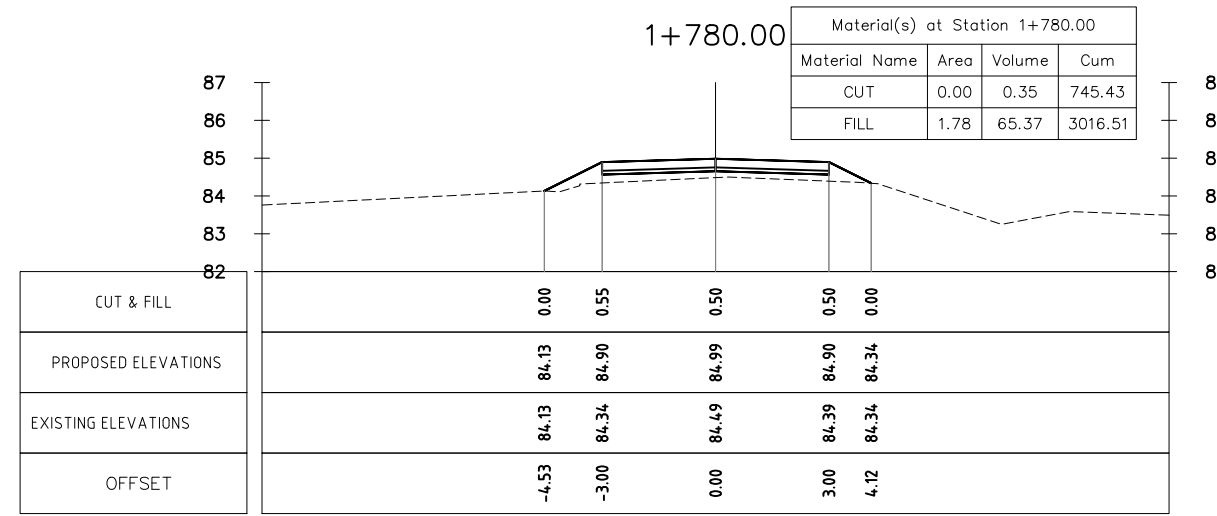
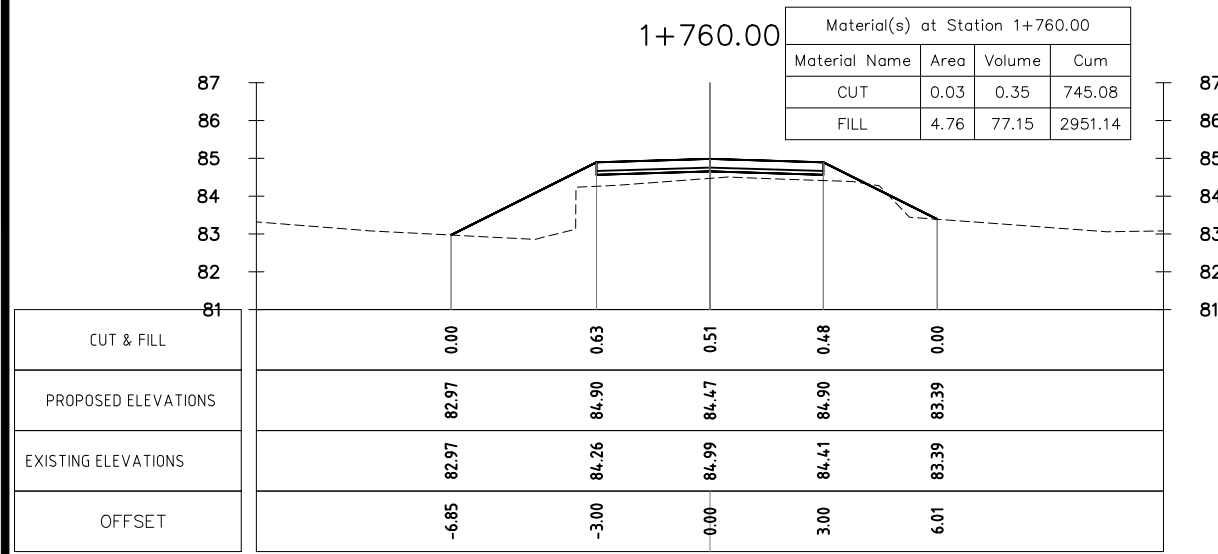
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM1+560-1+660

DRAWING TITLE :		DRAWING No. :	
SCALE: A3:	DATE :	LAO - NKS	C - 01-26
1/200			



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

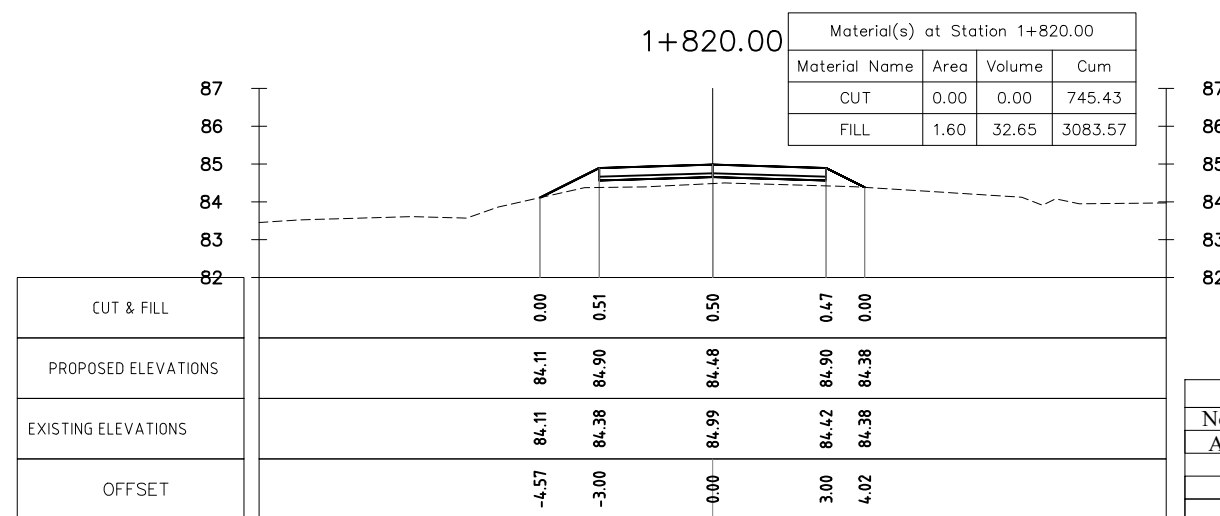
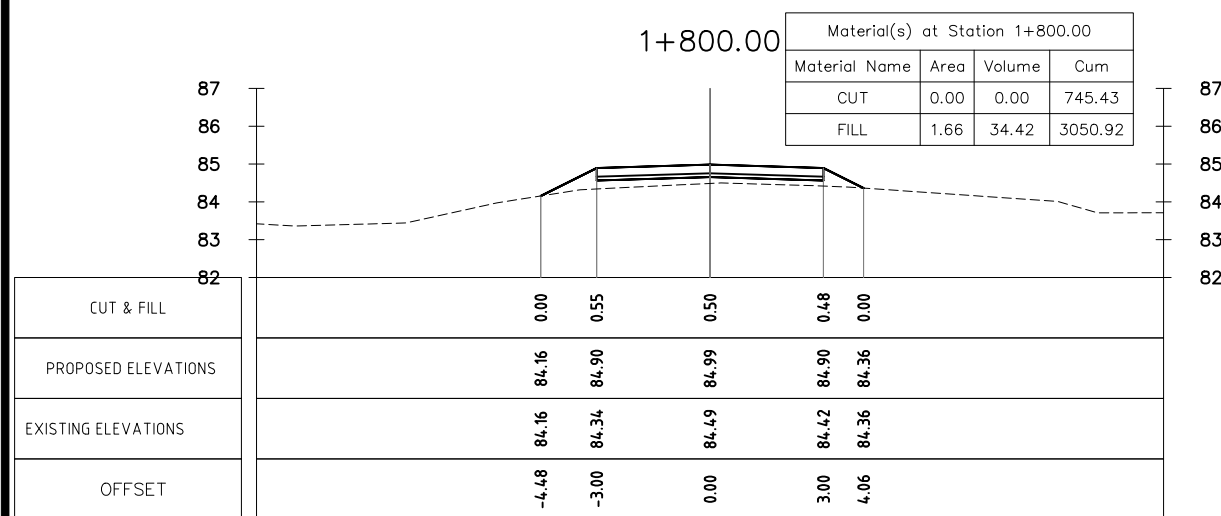
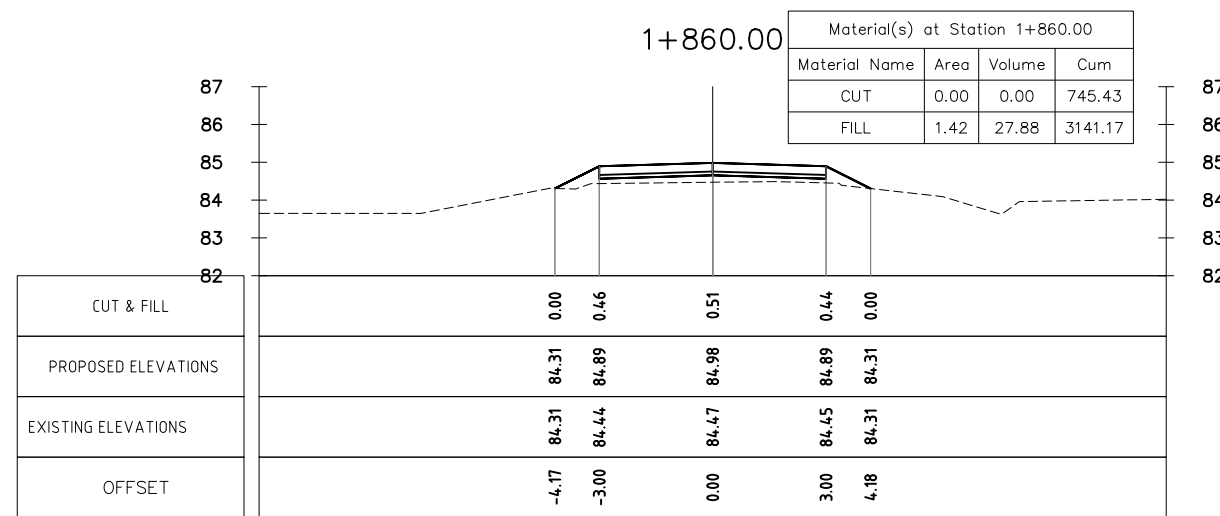
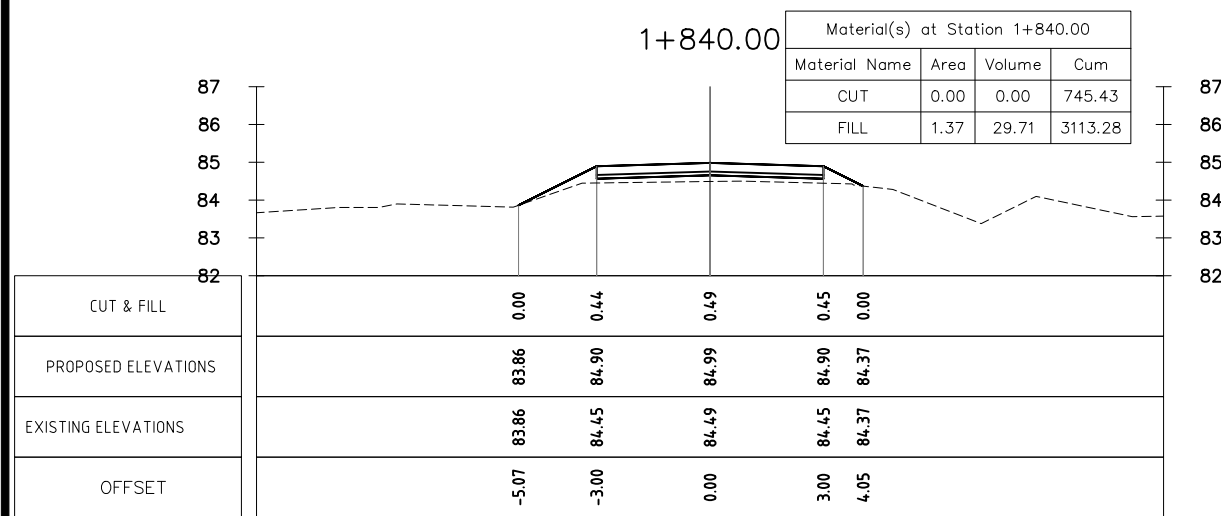
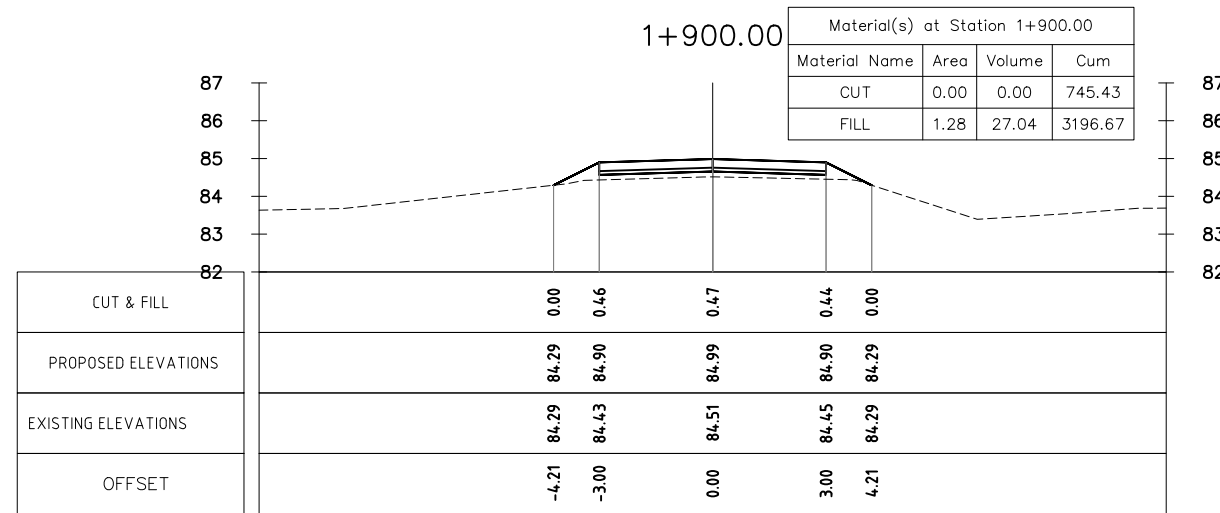
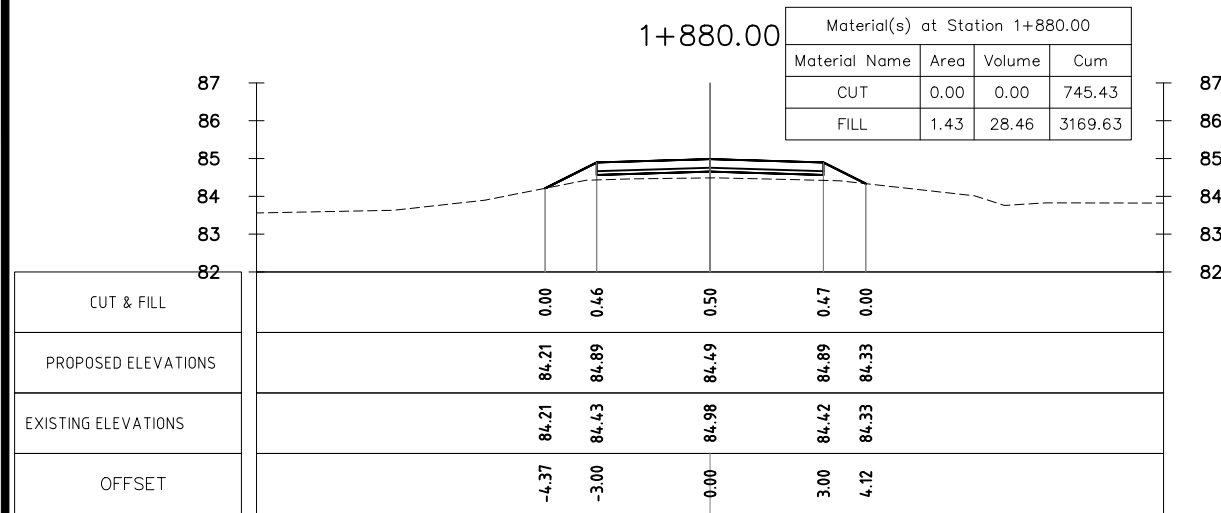


LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM1+680-1+780

DRAWING TITLE :		DRAWING No. :	
SCALE: A3:	DATE :	LAO - NKS	C - 01-27
1/200			



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

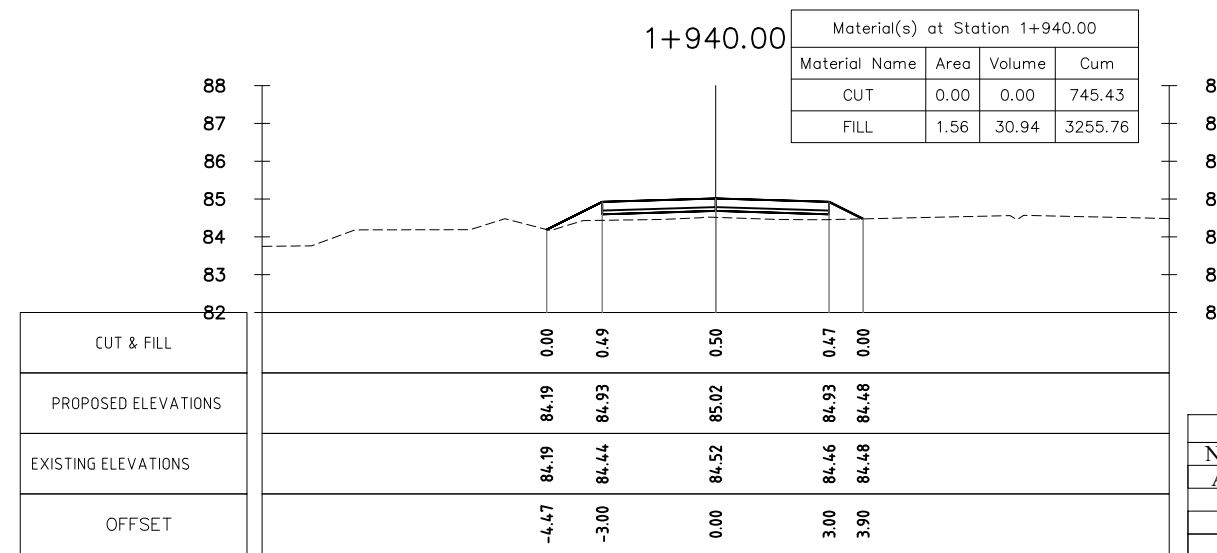
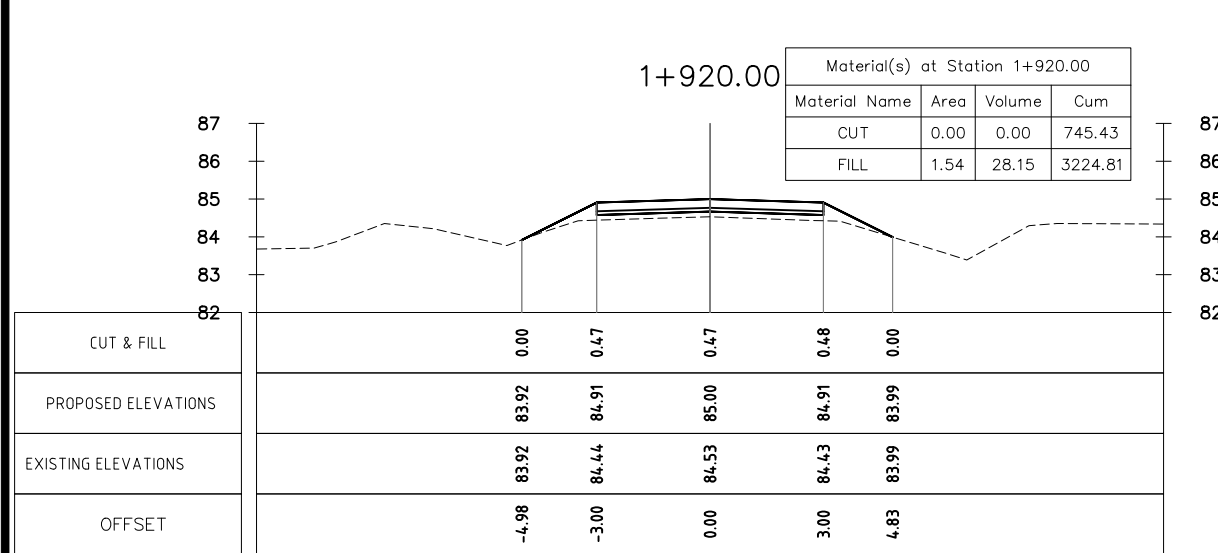
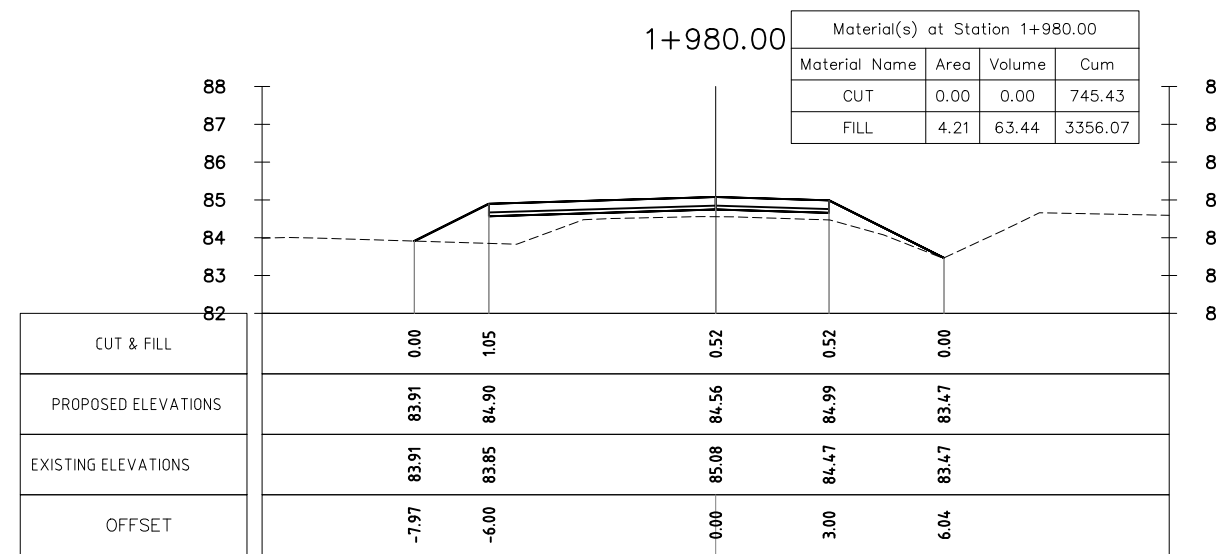
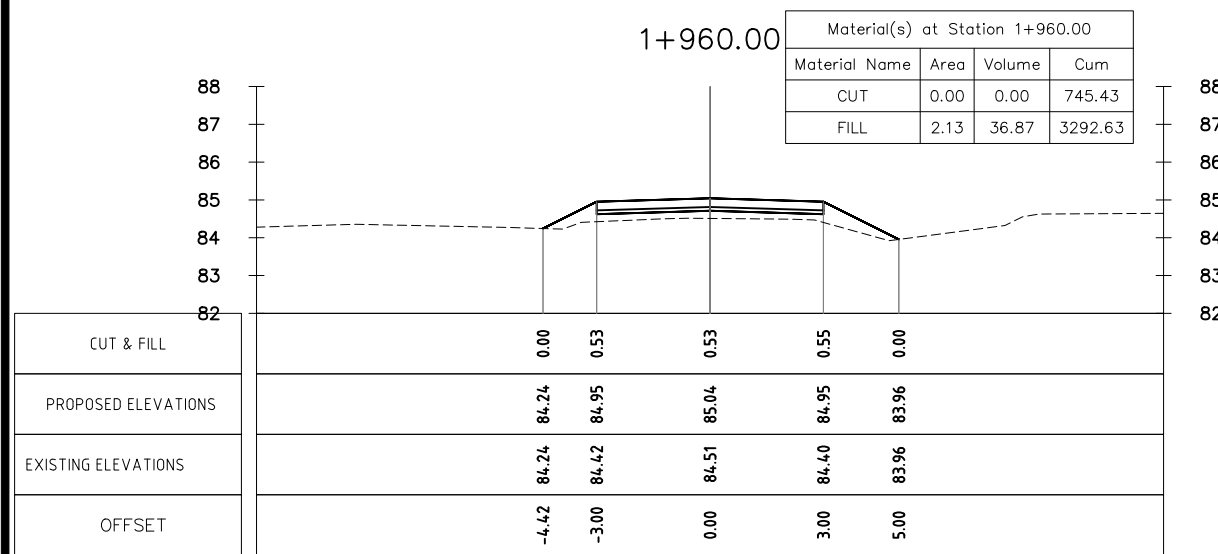
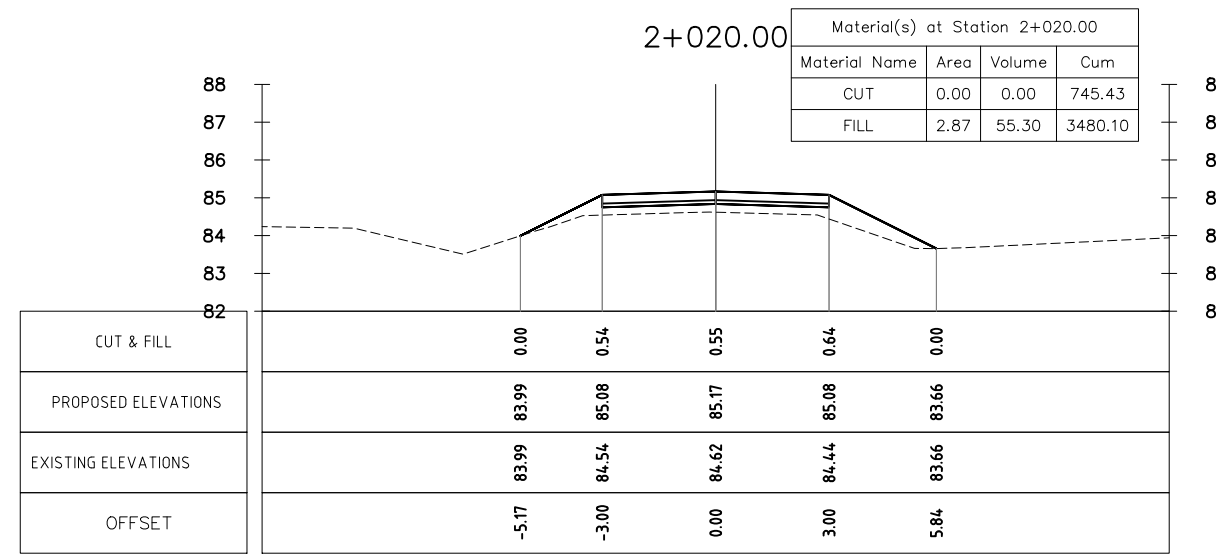
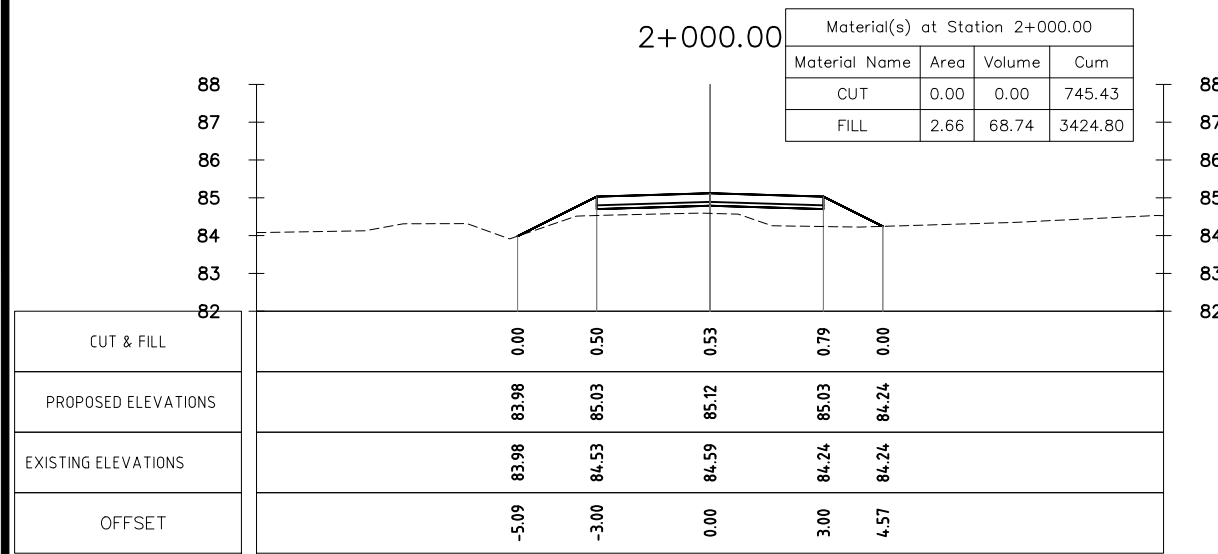


LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM1+800-1+900

DRAWING TITLE :			
SCALE: A3:	DATE :	DRAWING No. :	C - 01-28
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

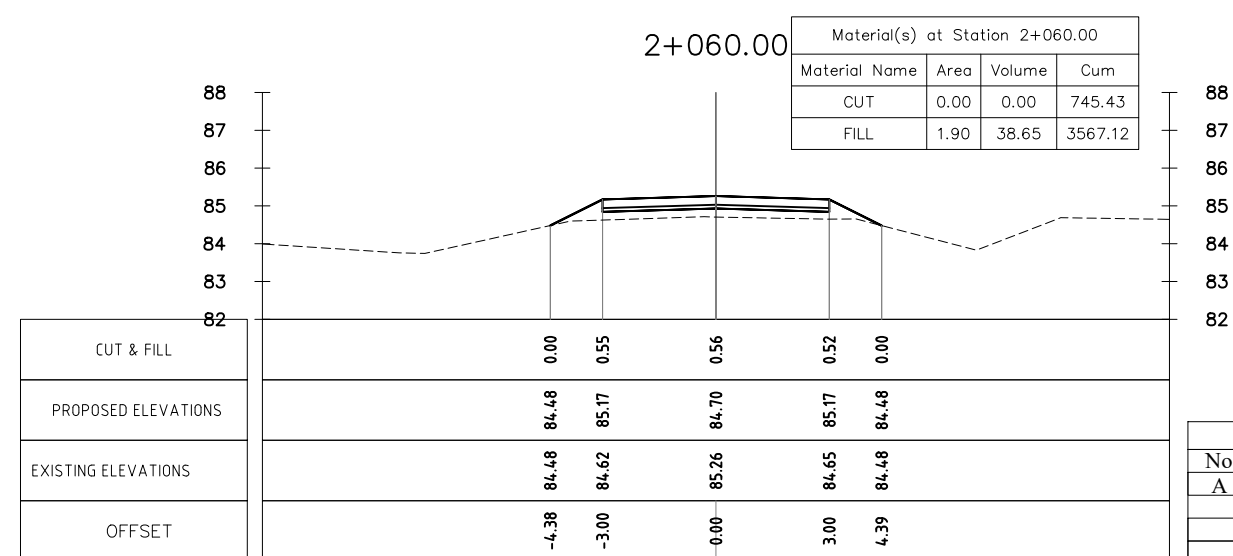
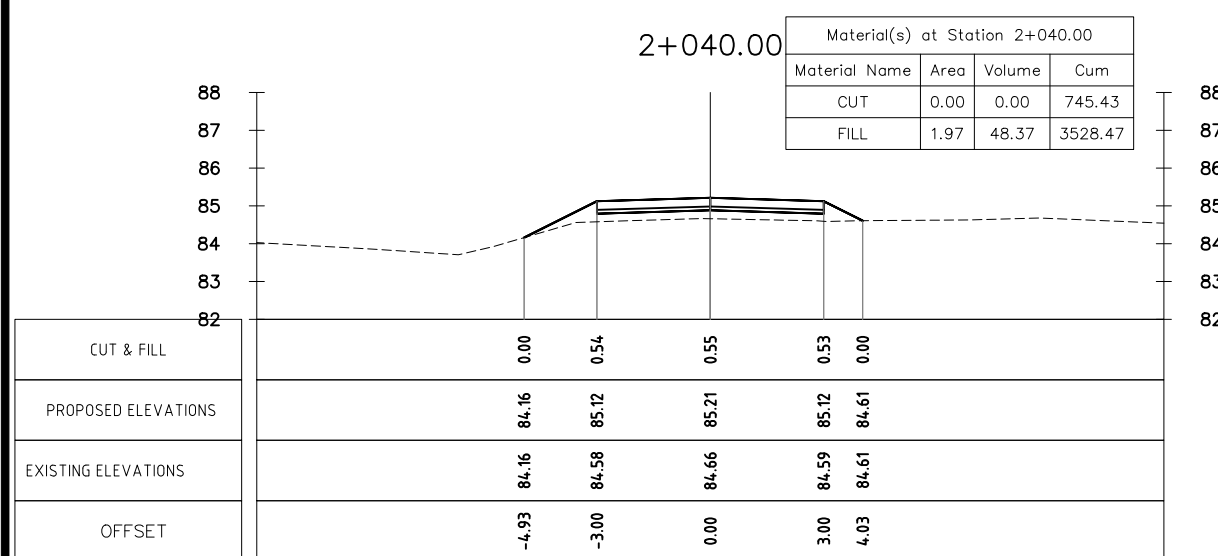
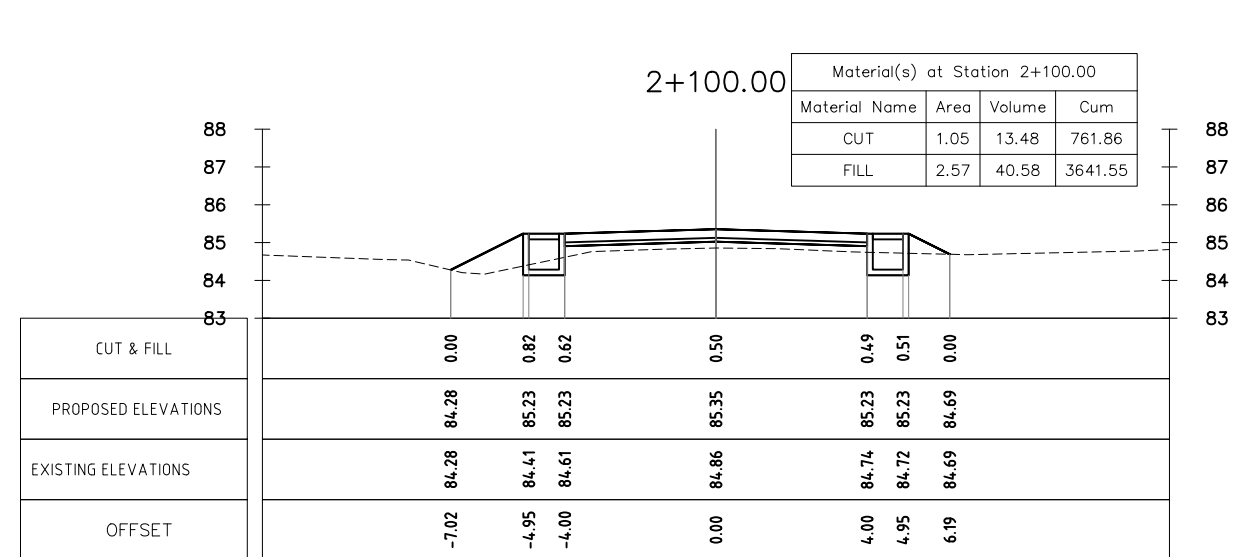
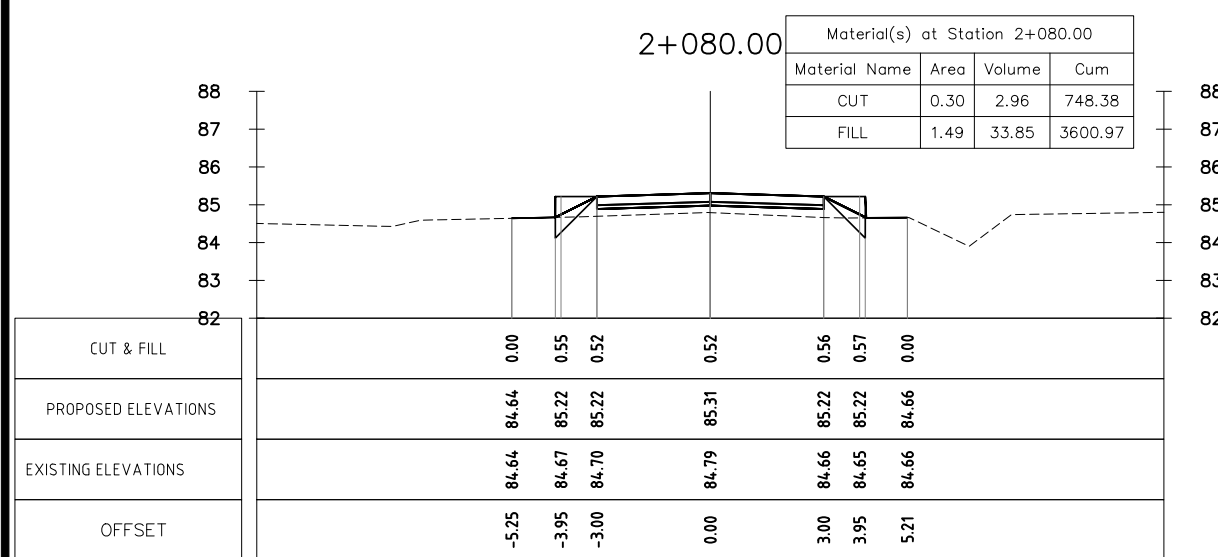
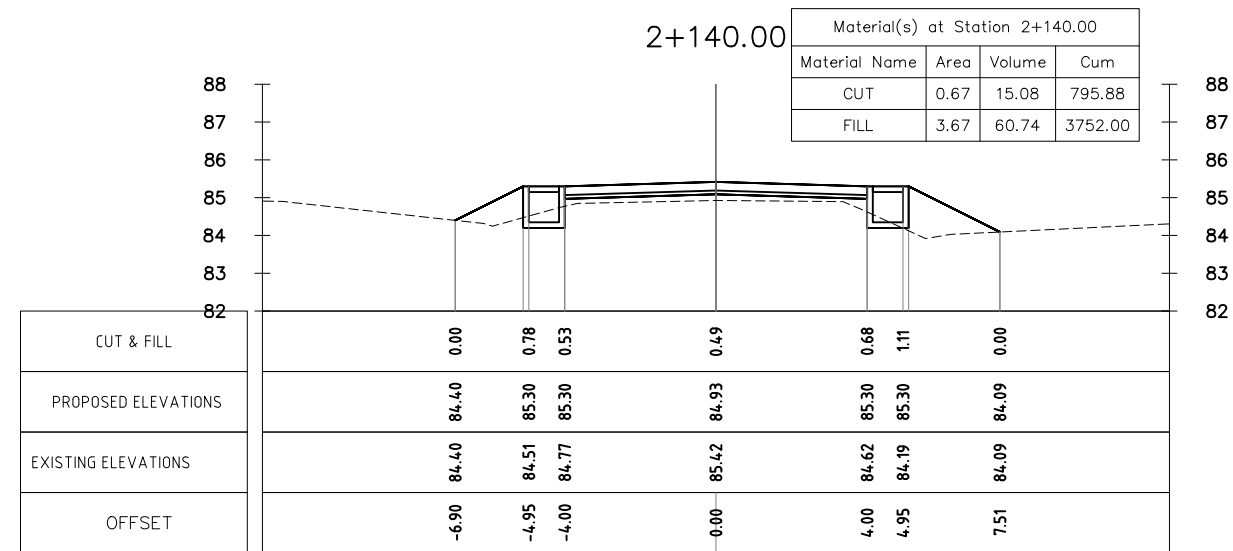
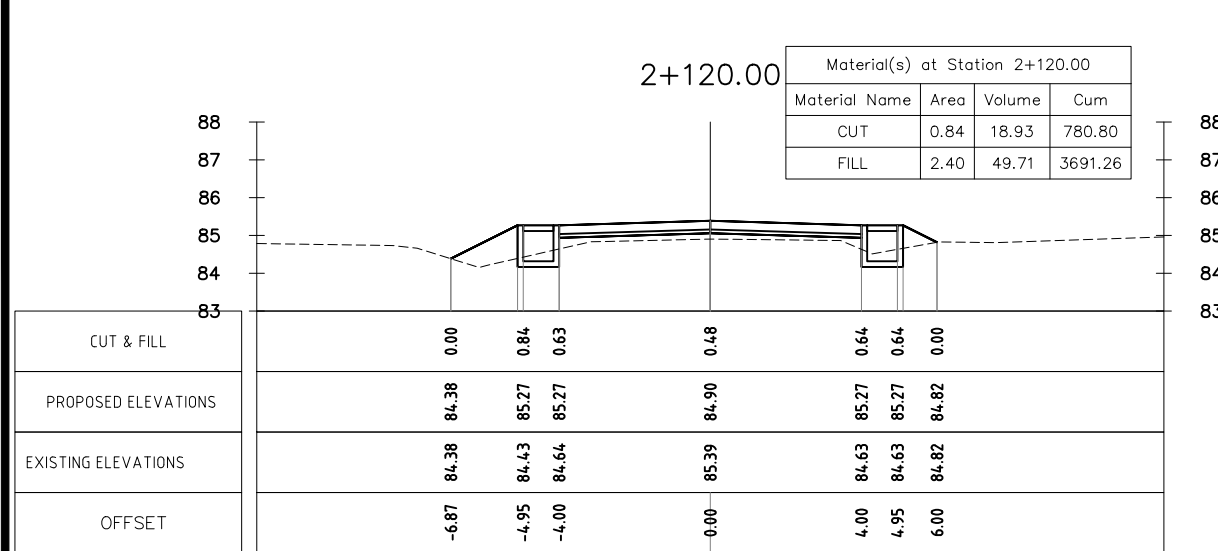


LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM2+1920-2+020

DRAWING TITLE :			
SCALE: A3:	DATE :	DRAWING No. :	C - 01-29
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

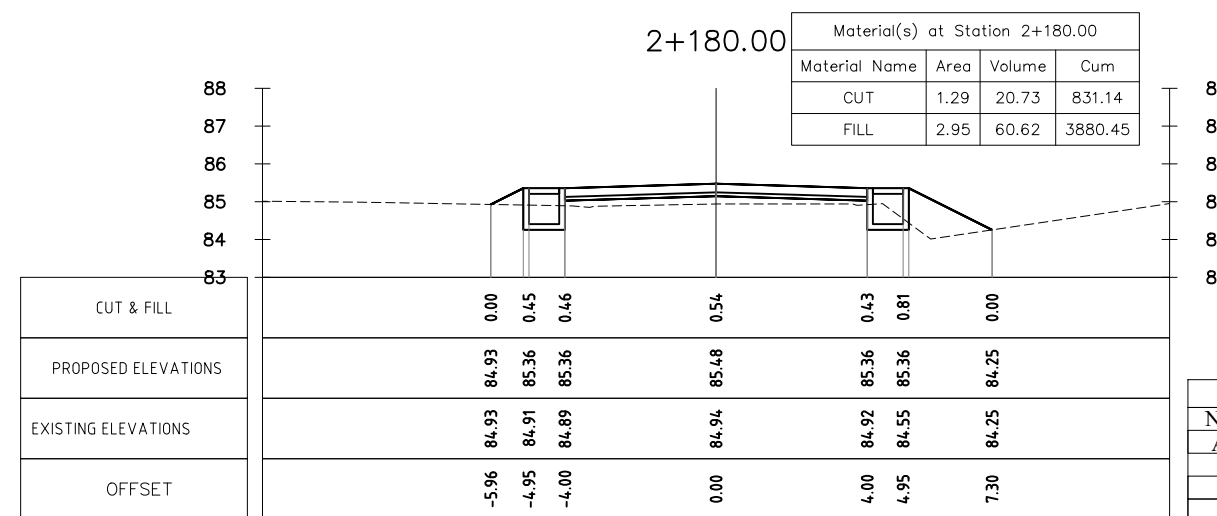
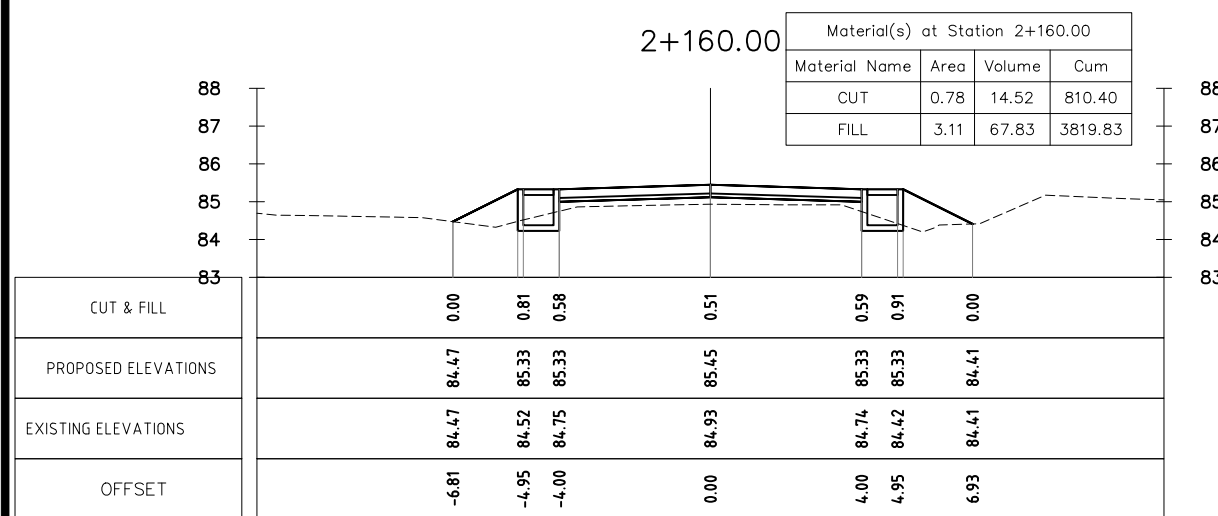
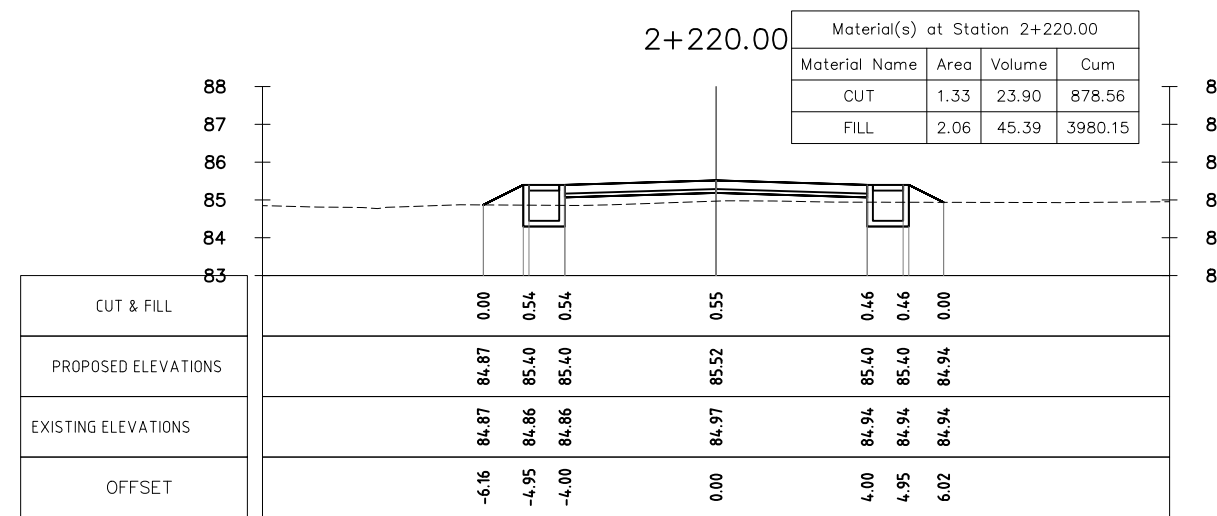
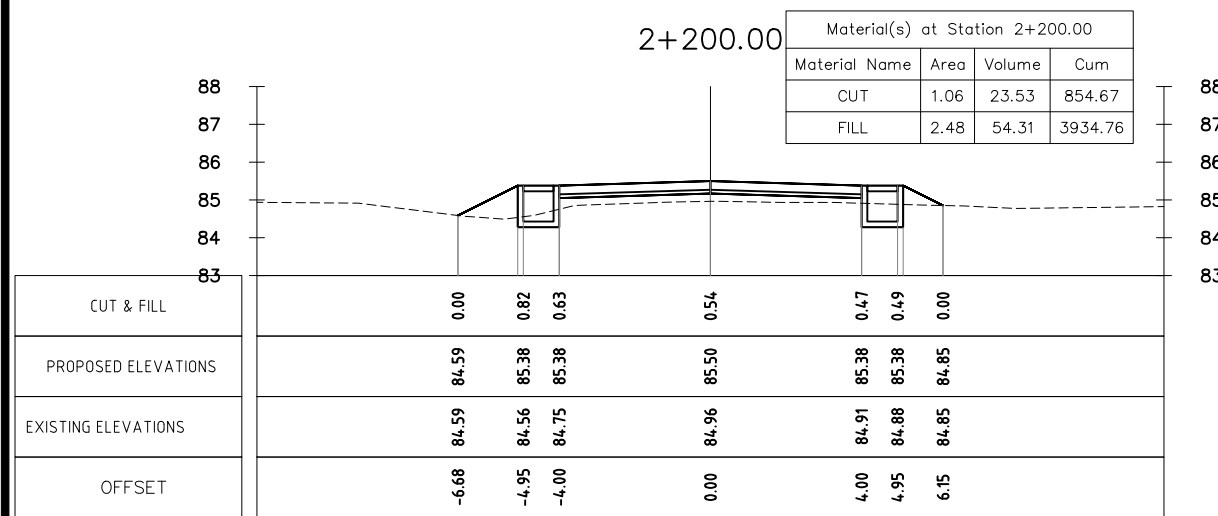
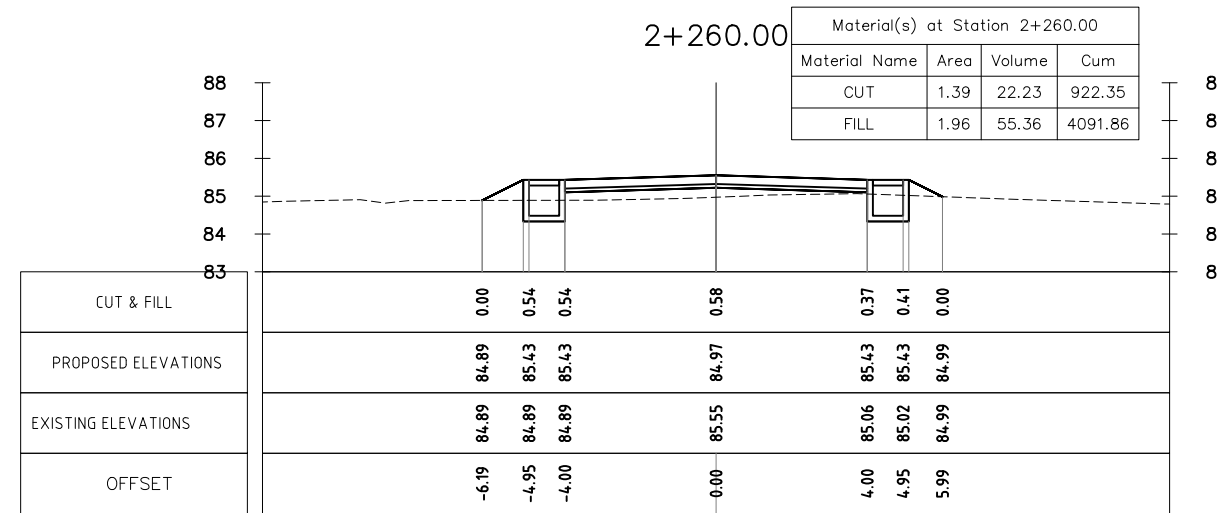
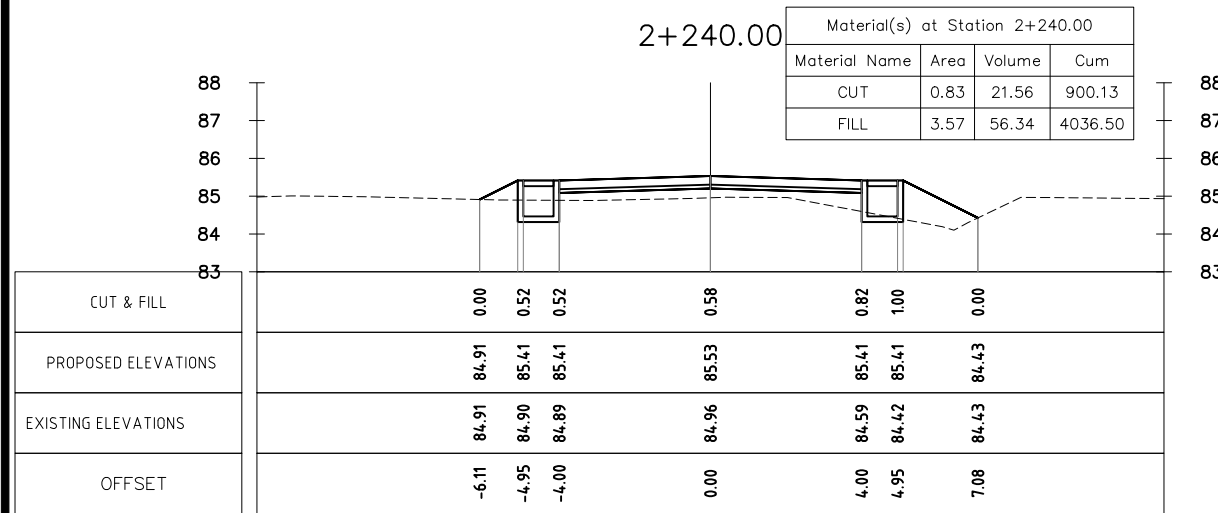
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM2+040-2+140

DRAWING TITLE :		DRAWING No. :	
SCALE: A3:	DATE :	LAO - NKS	C - 01-30
1/200			



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

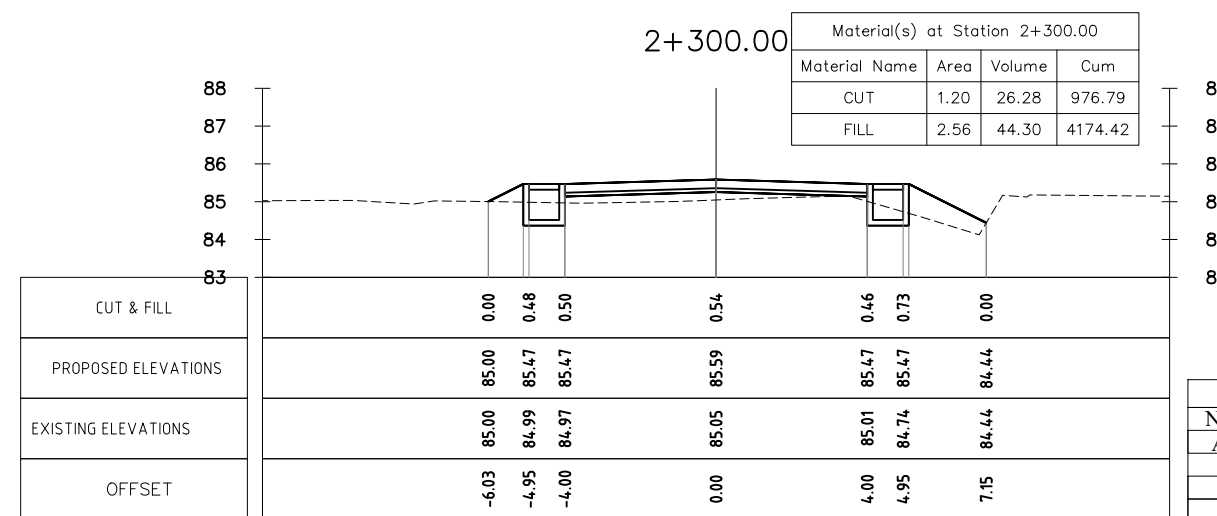
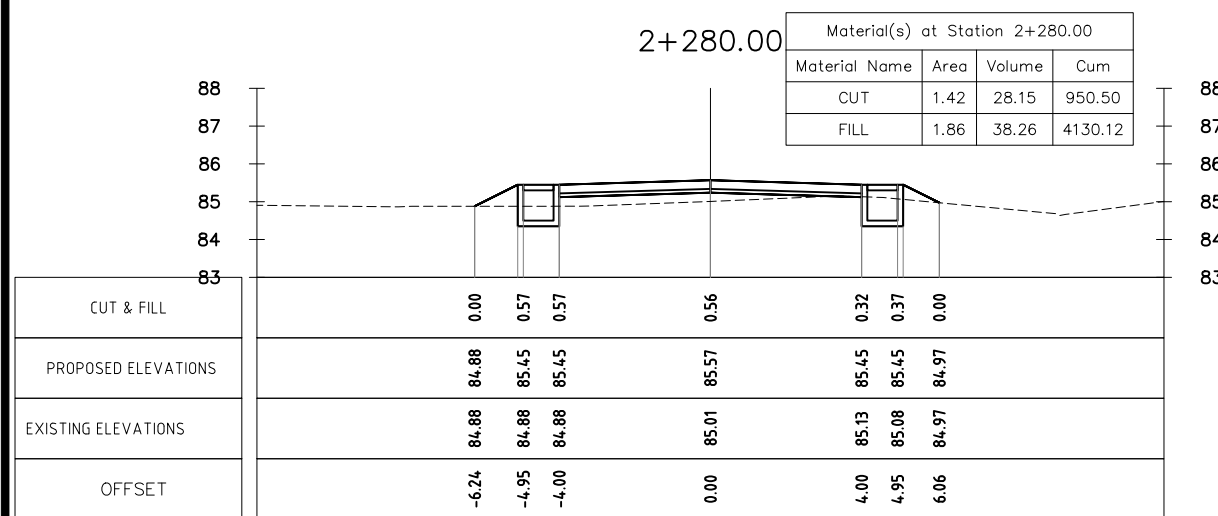
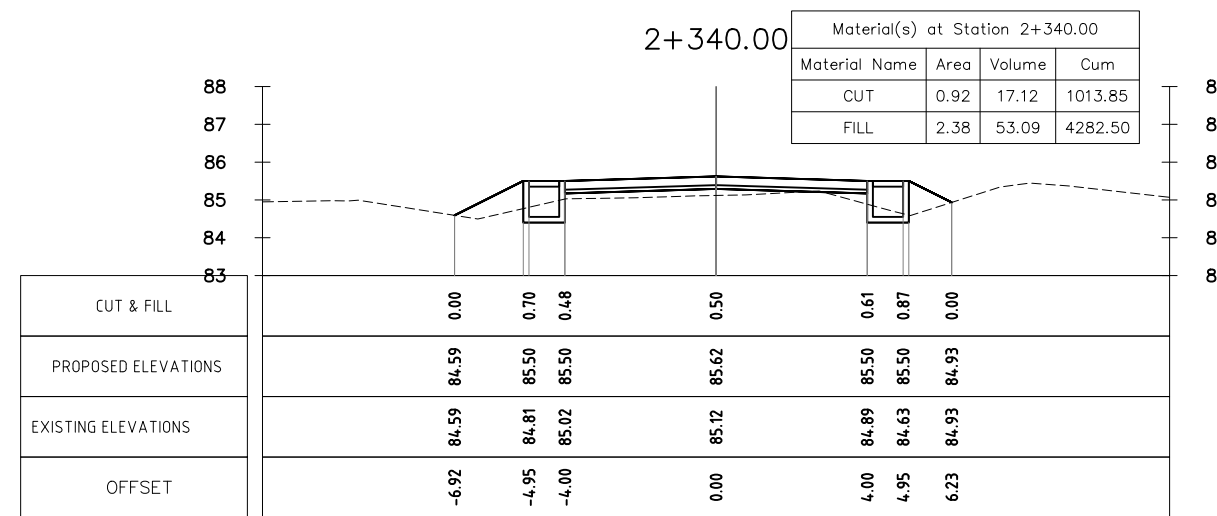
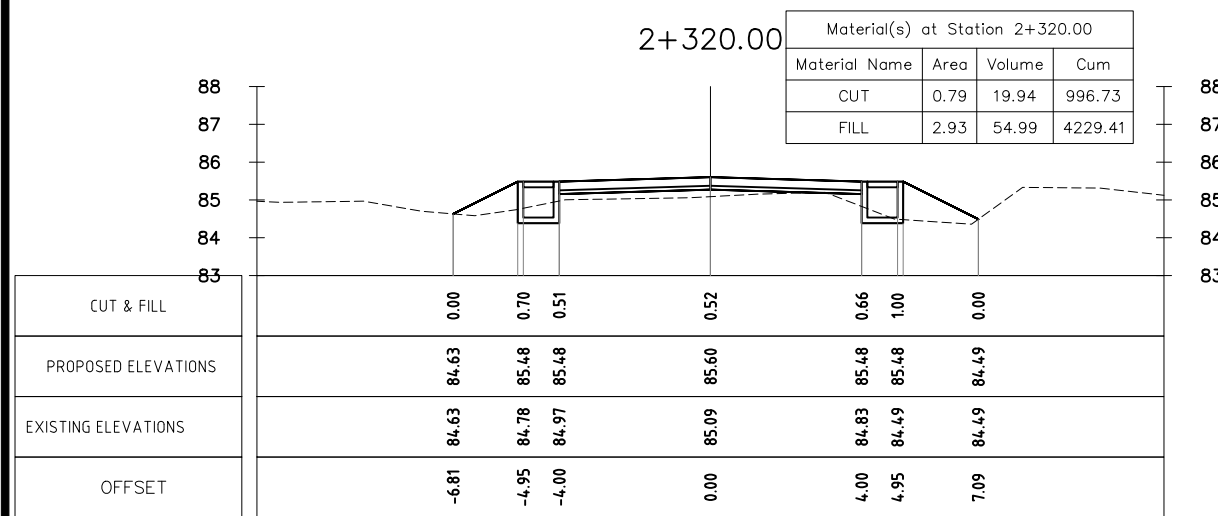
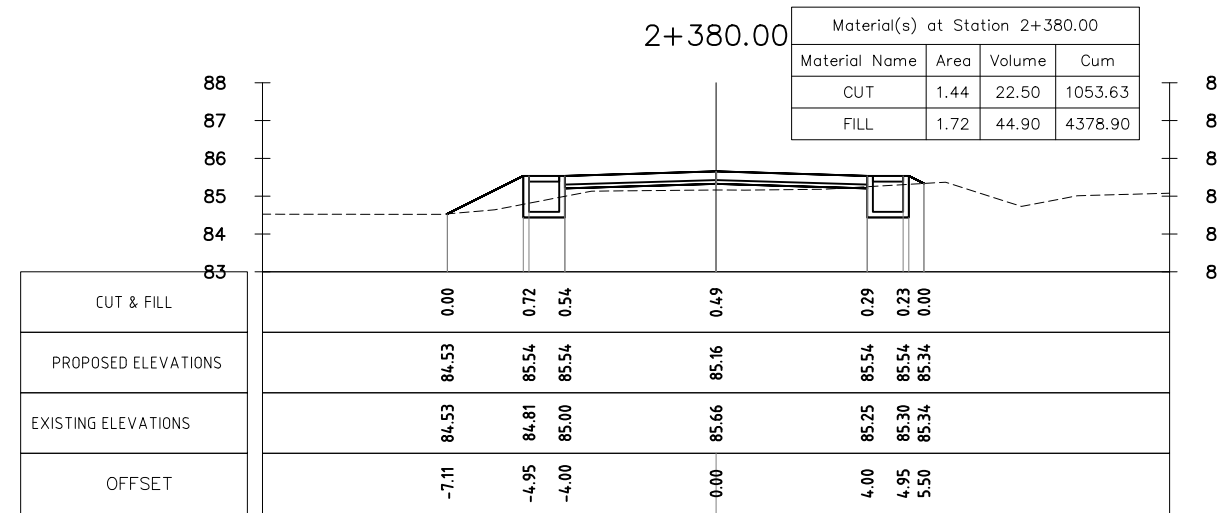
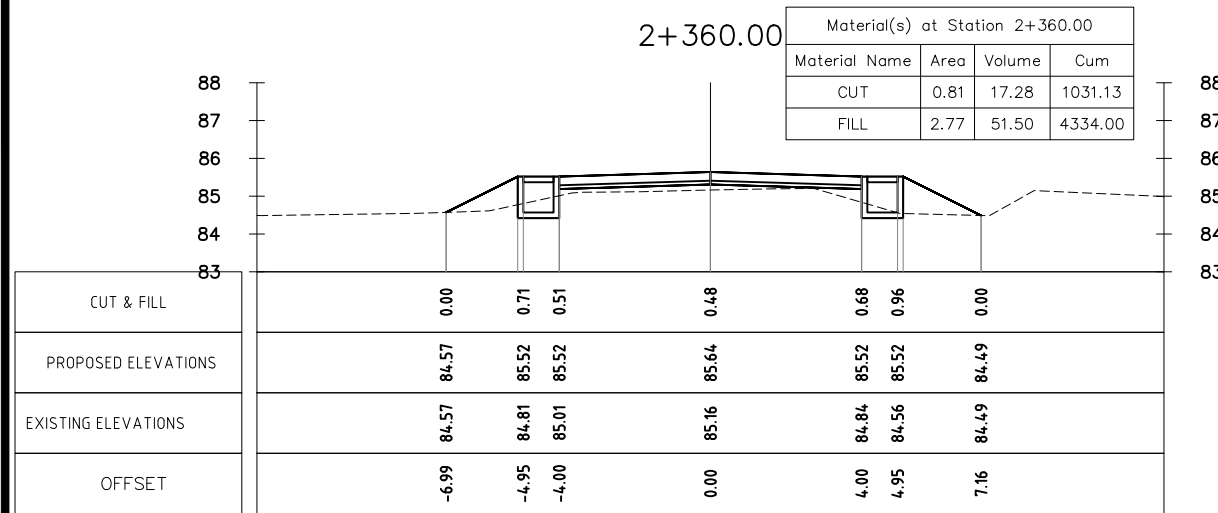


LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM2+160-2+260

DRAWING TITLE :		DRAWING No. :	
SCALE: A3:	DATE :	LAO - NKS	C - 01-31
1/200			



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

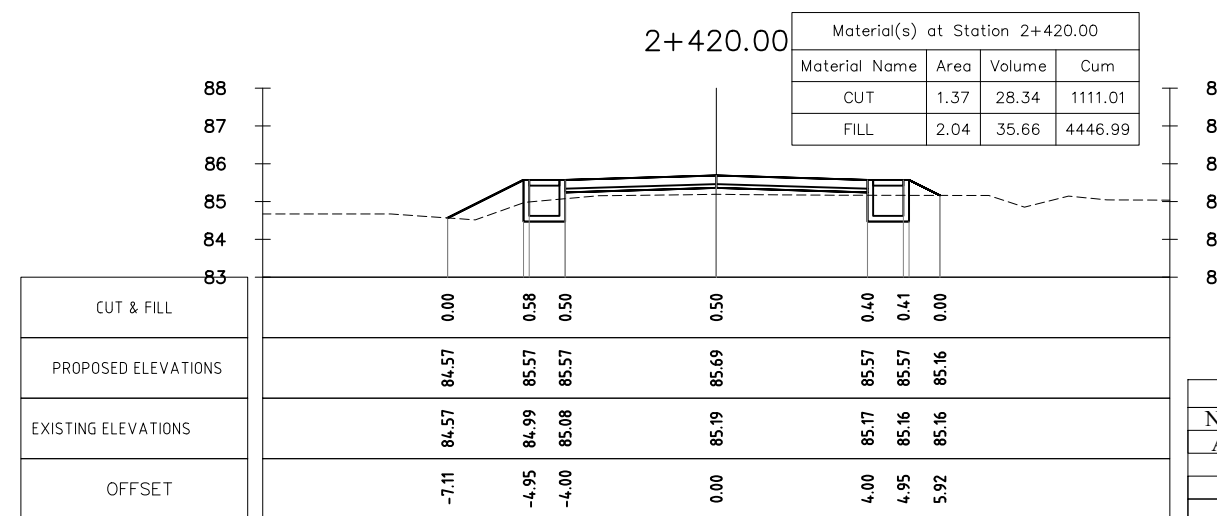
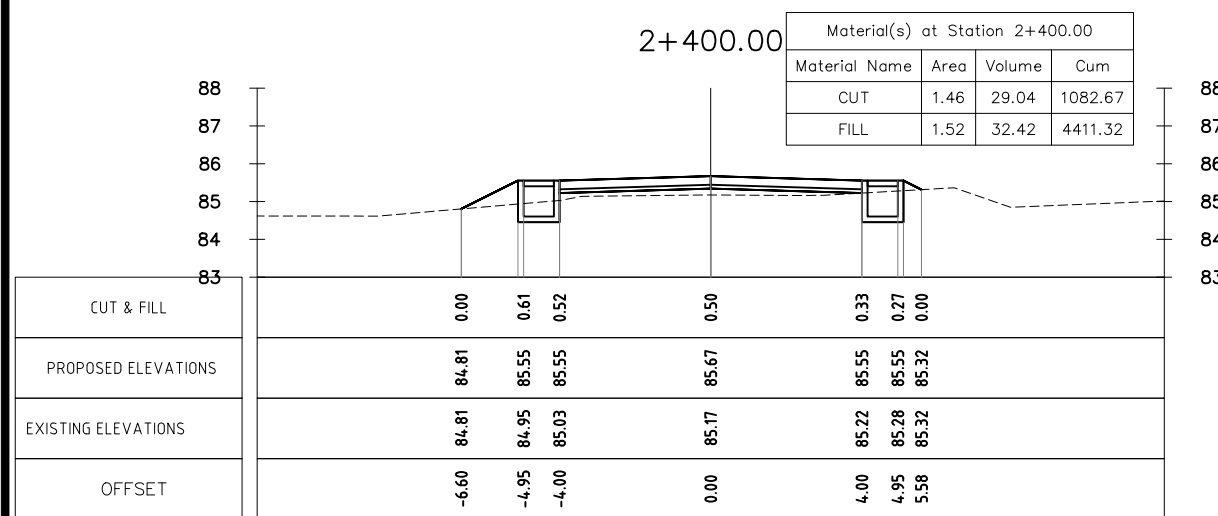
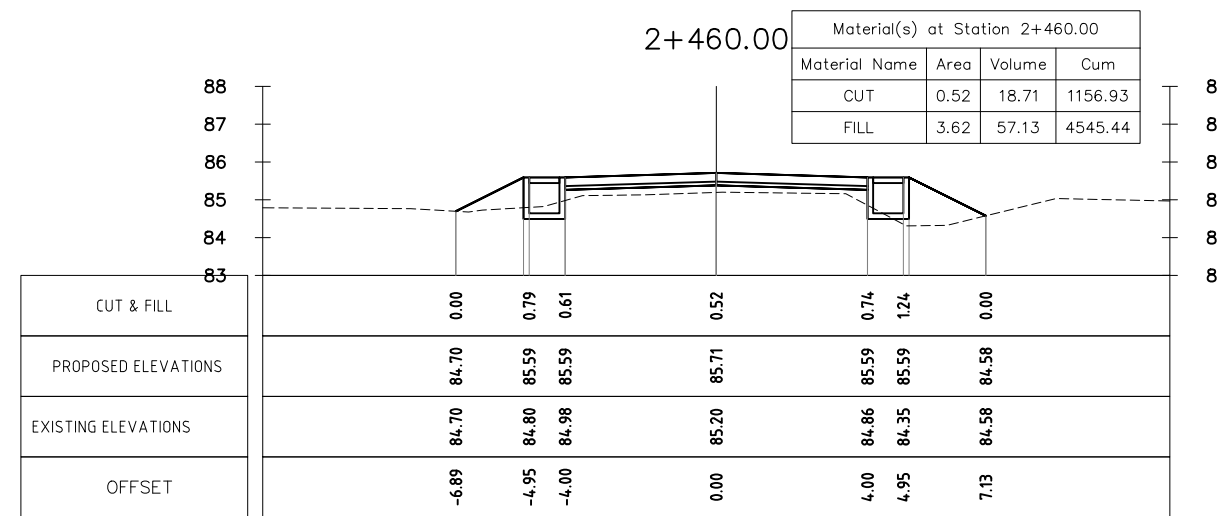
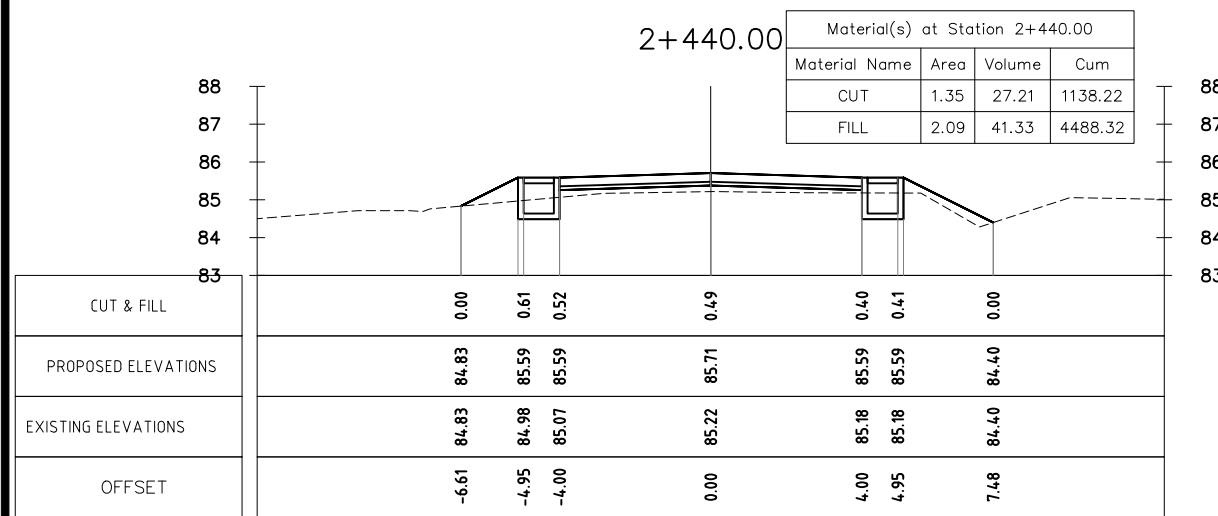
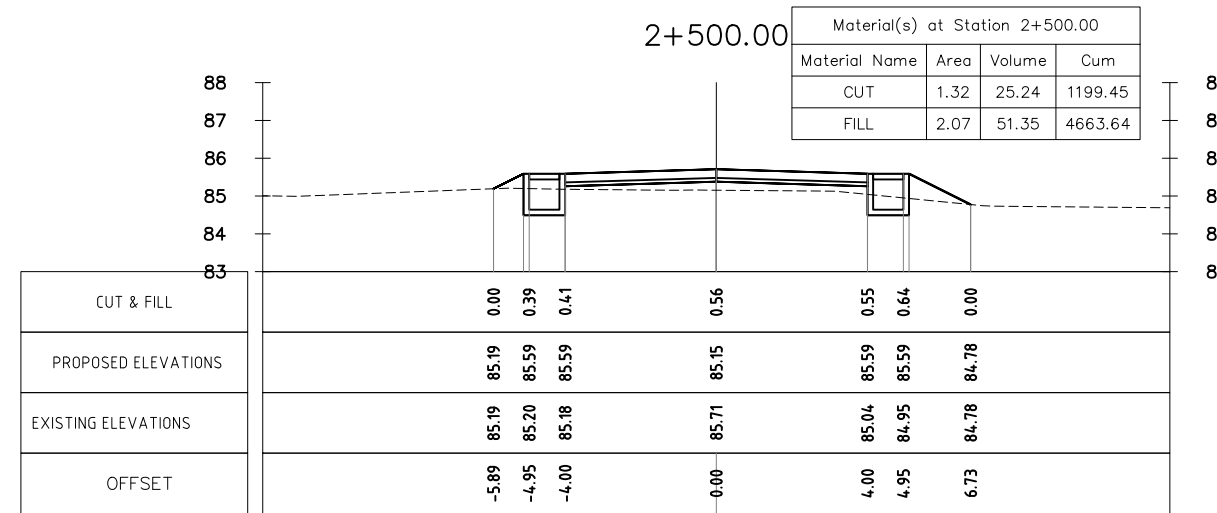
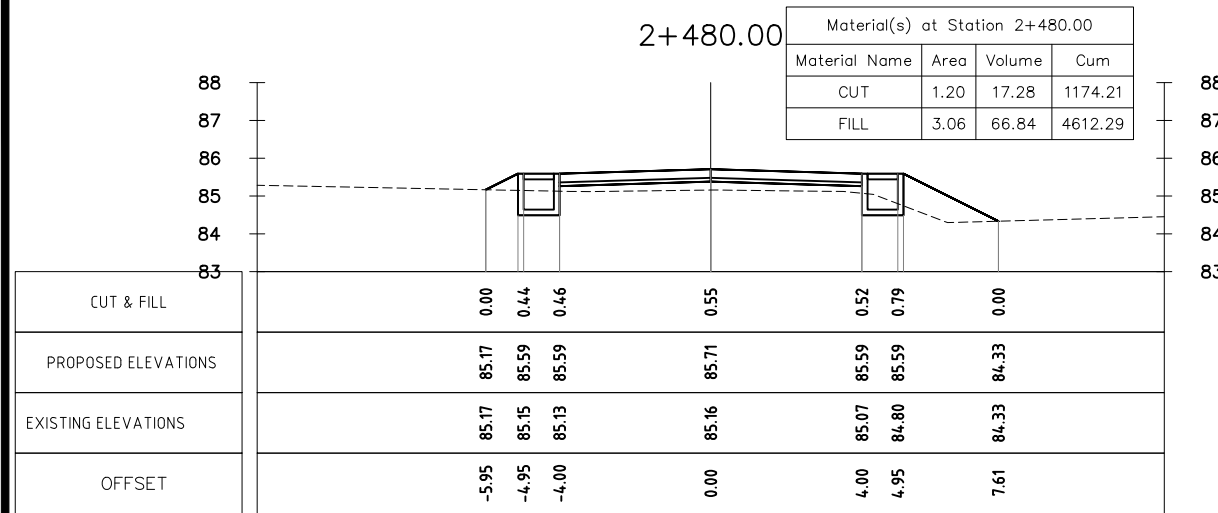


LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM2+280-2+380

DRAWING TITLE :		DRAWING No. :	
SCALE: A3:	DATE :	LAO - NKS	C - 01-32
1/200			



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

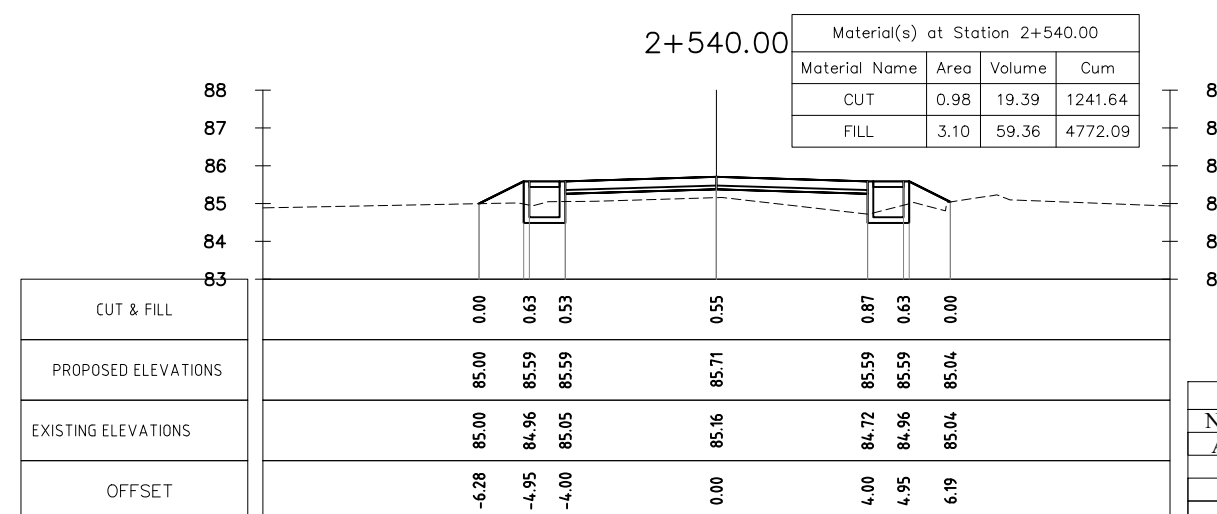
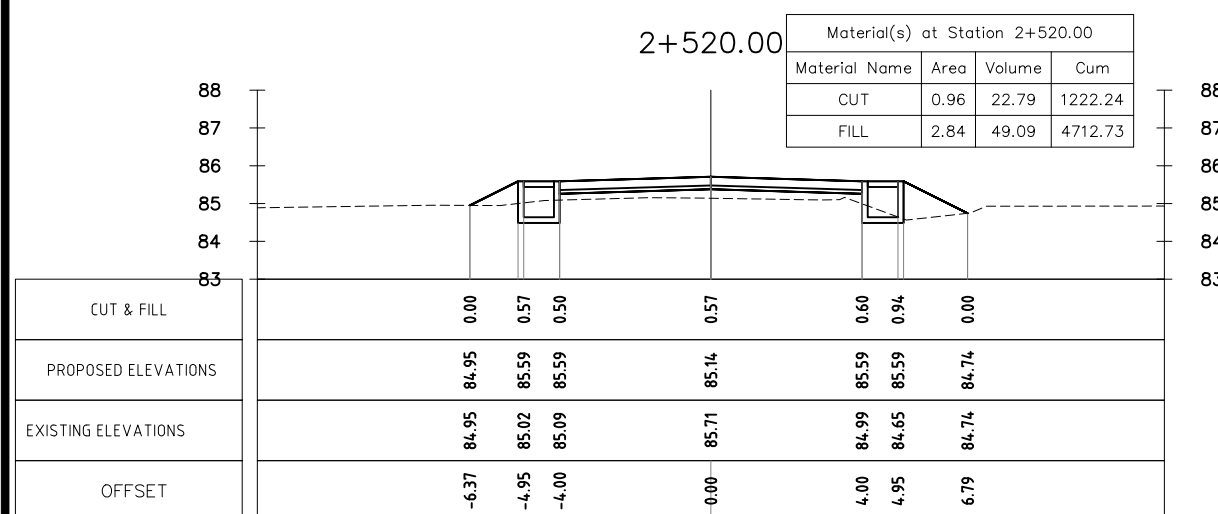
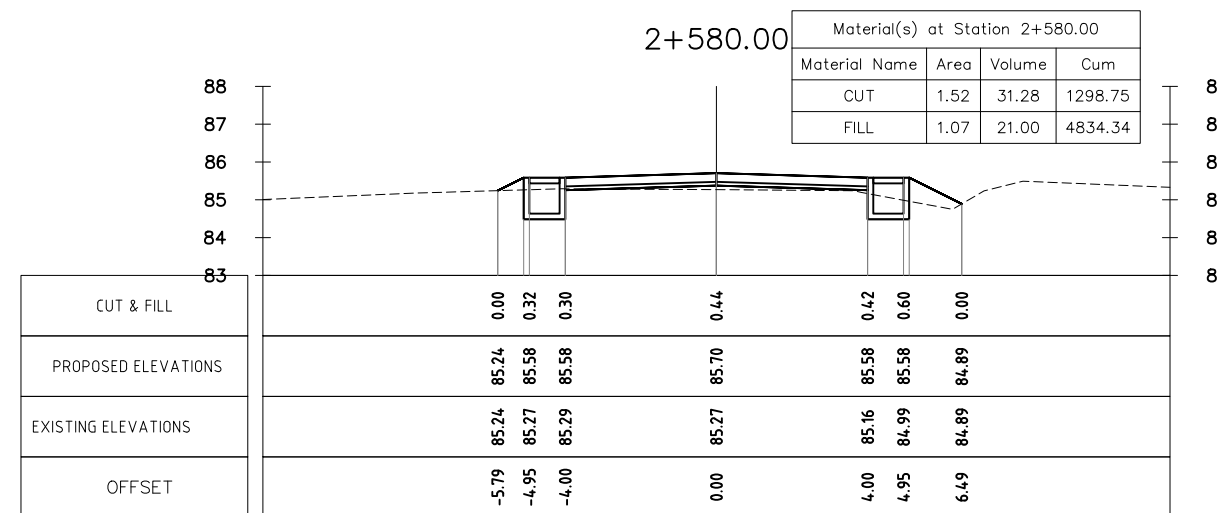
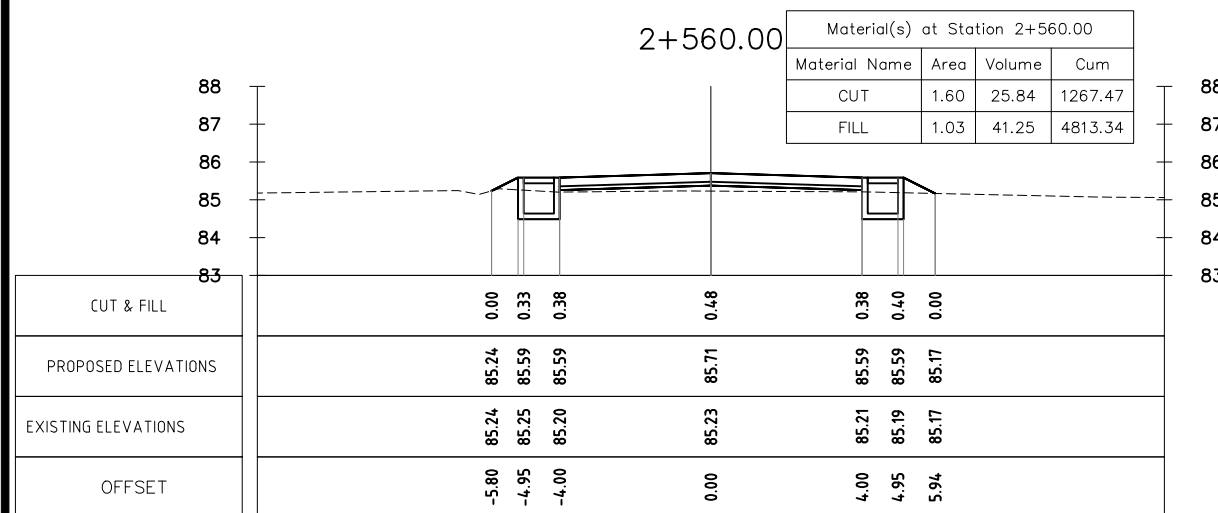
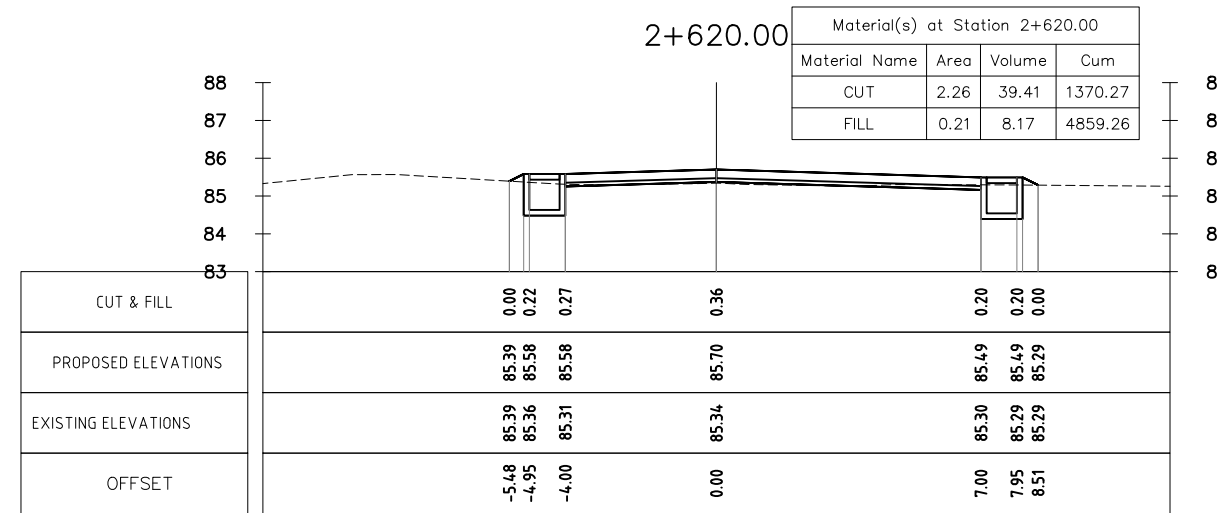
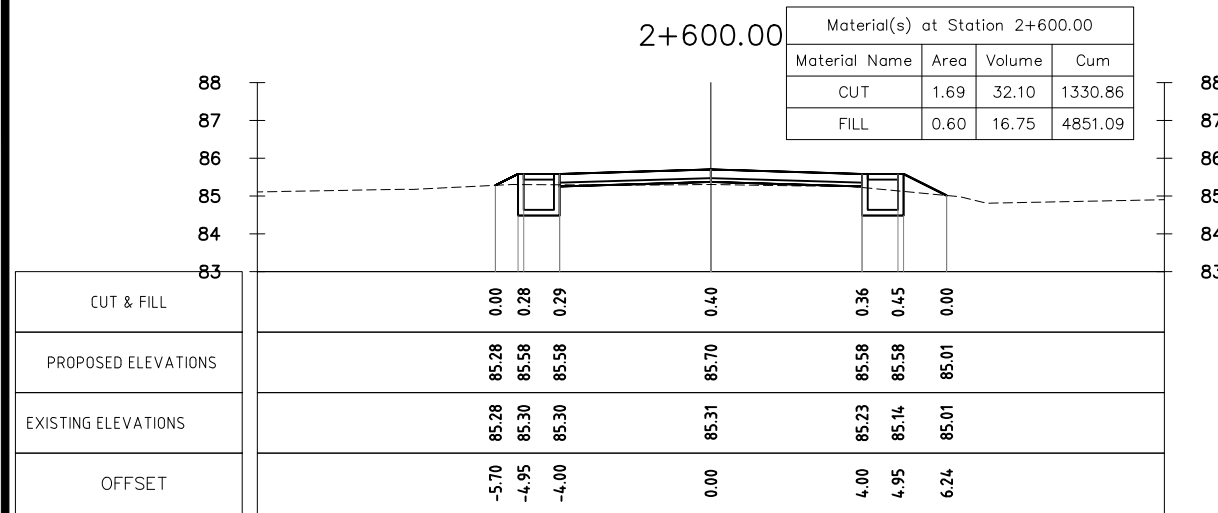


**Norconsult**    

PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM2+400-2+500

SCALE: A3:	DATE:	DRAWING No.:	C - 01-33
1/200		LAO - NKS	





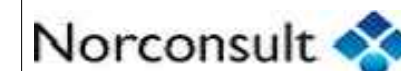
REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

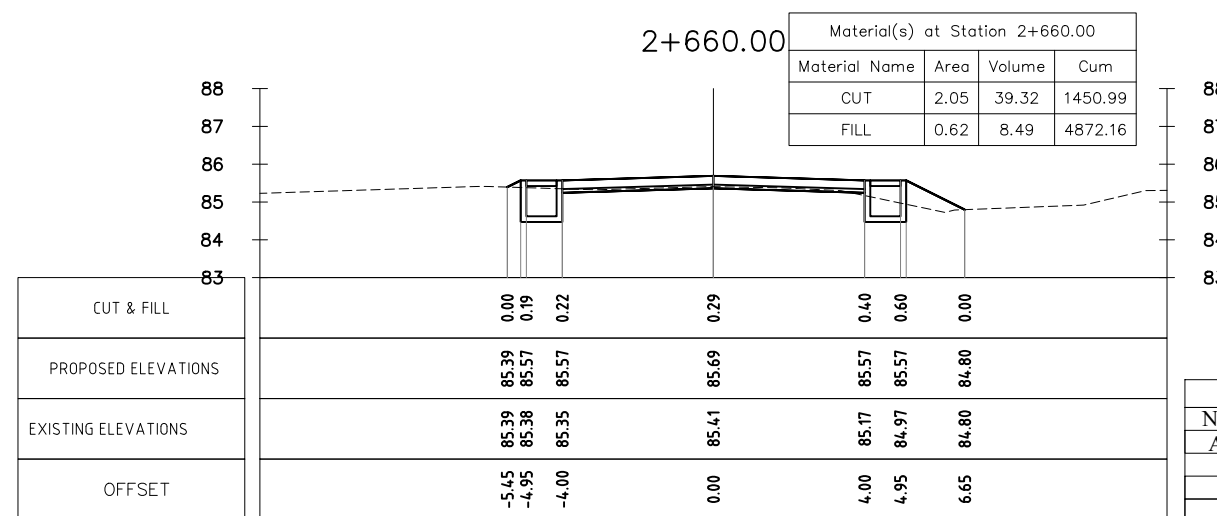
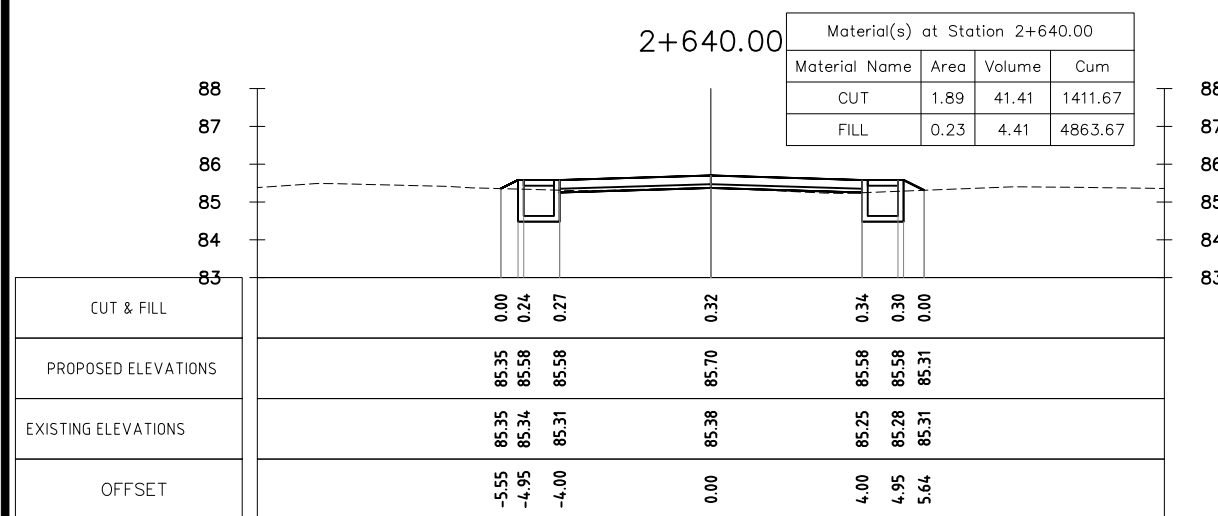
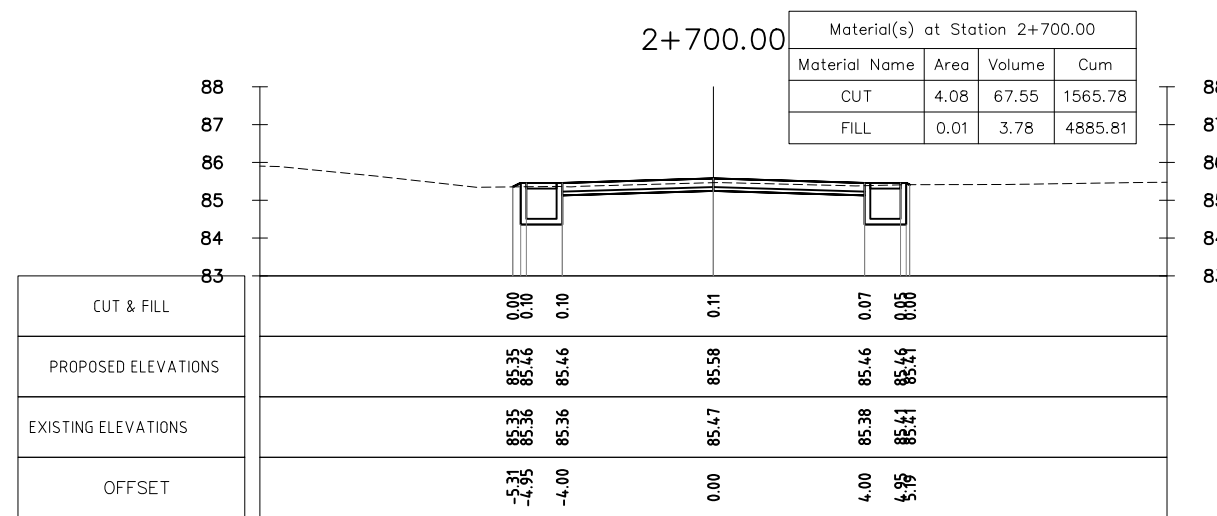
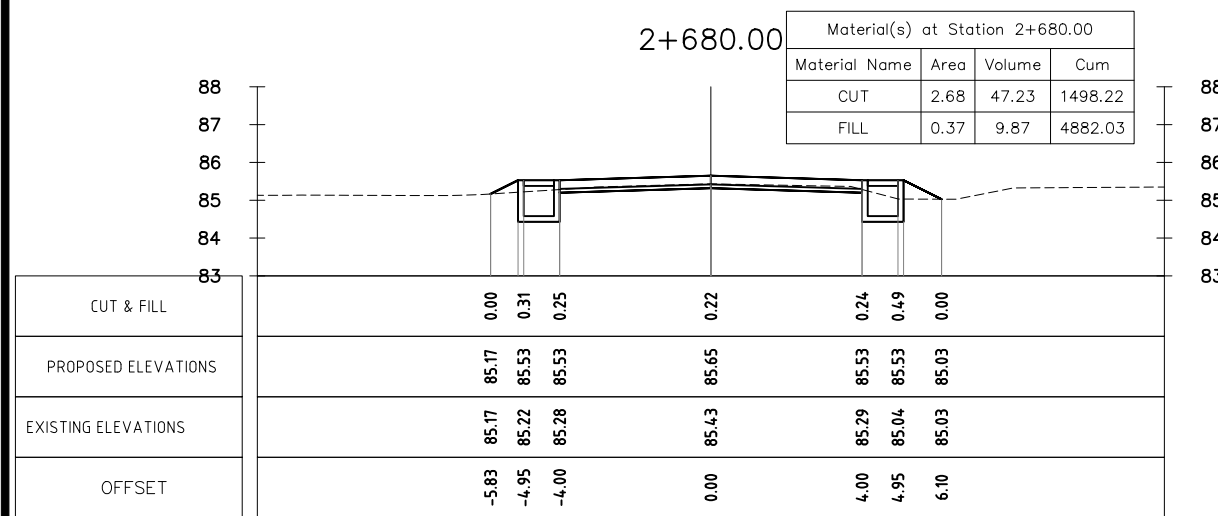
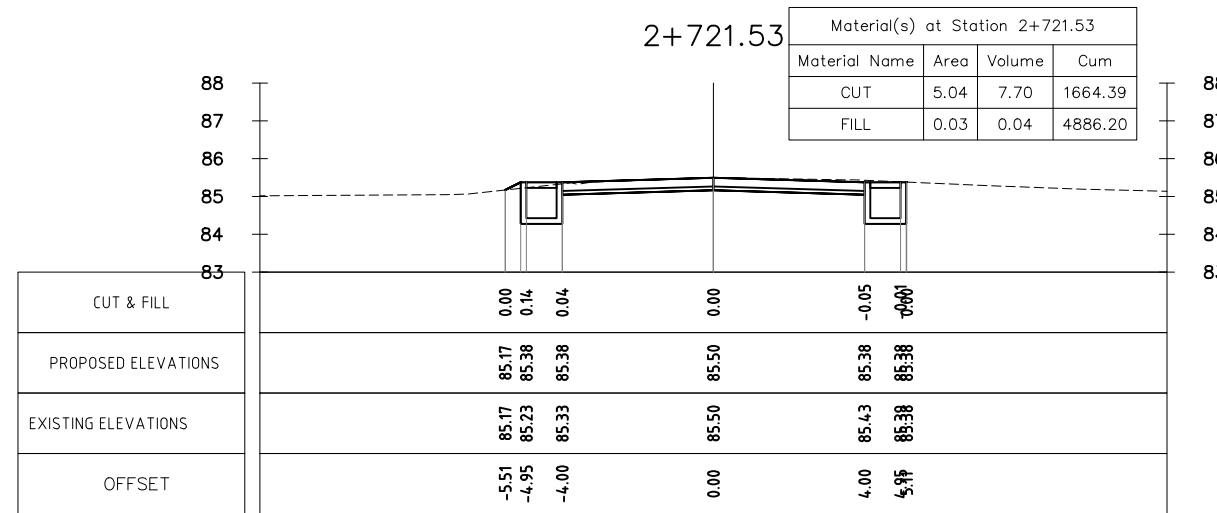
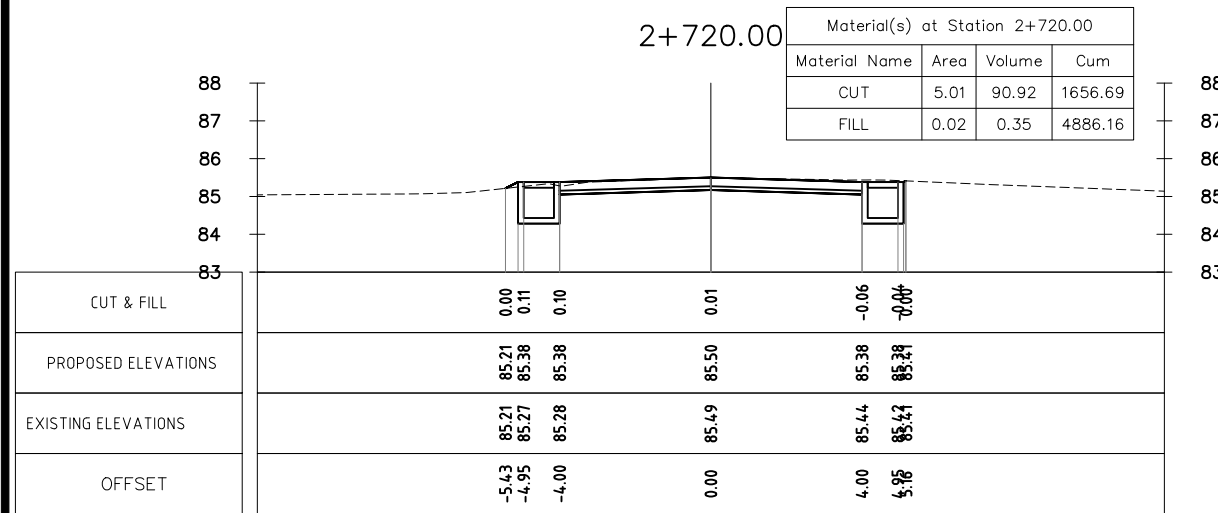
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta.KM2+520-2+620

SCAILE A3:	DATE :	DRAWING No. :	C - 01-34
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18





Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

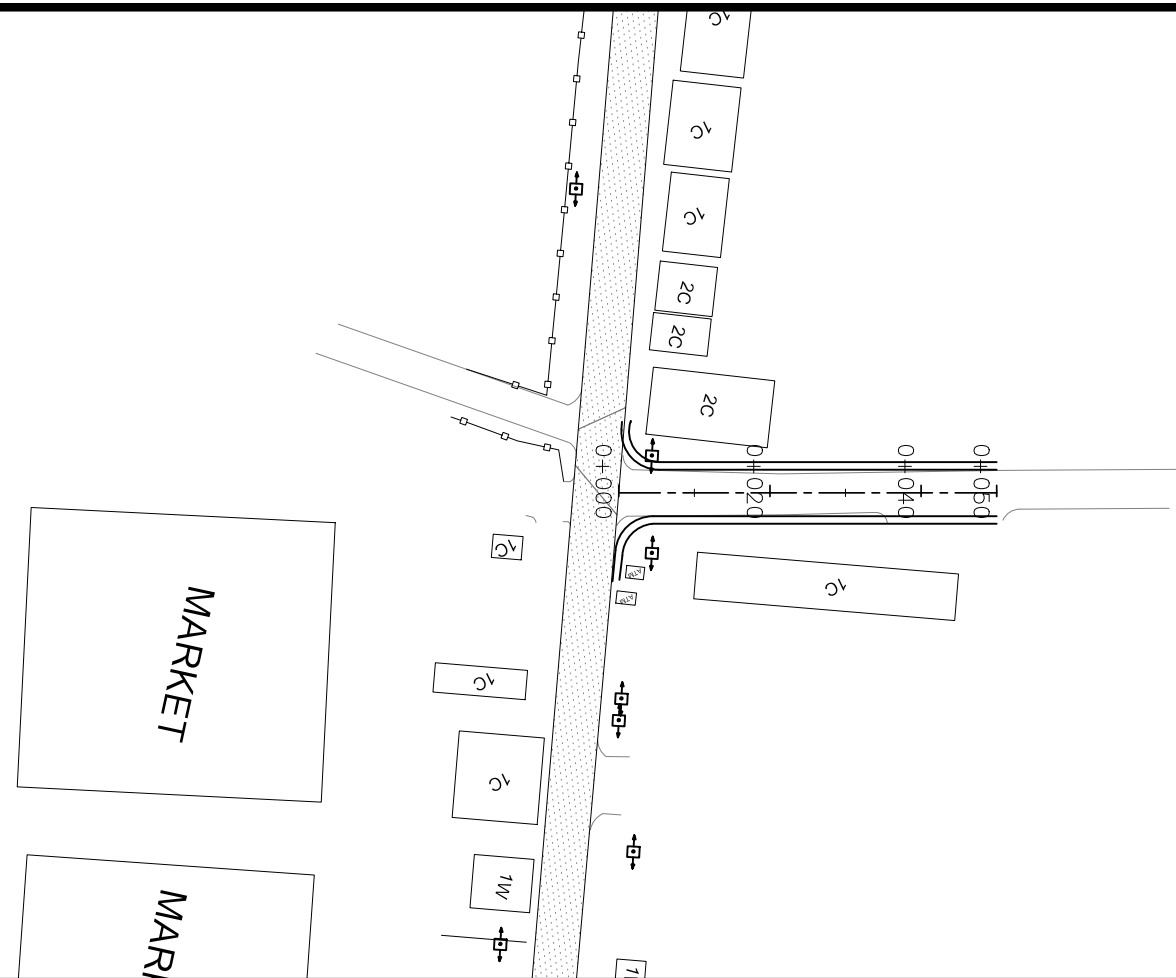





PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 NAKASANG ACCESS ROAD CROSS - SECTION Sta. KM2+640-2+722

DRAWING TITLE : \_\_\_\_\_

SCALE: A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C - 01-35
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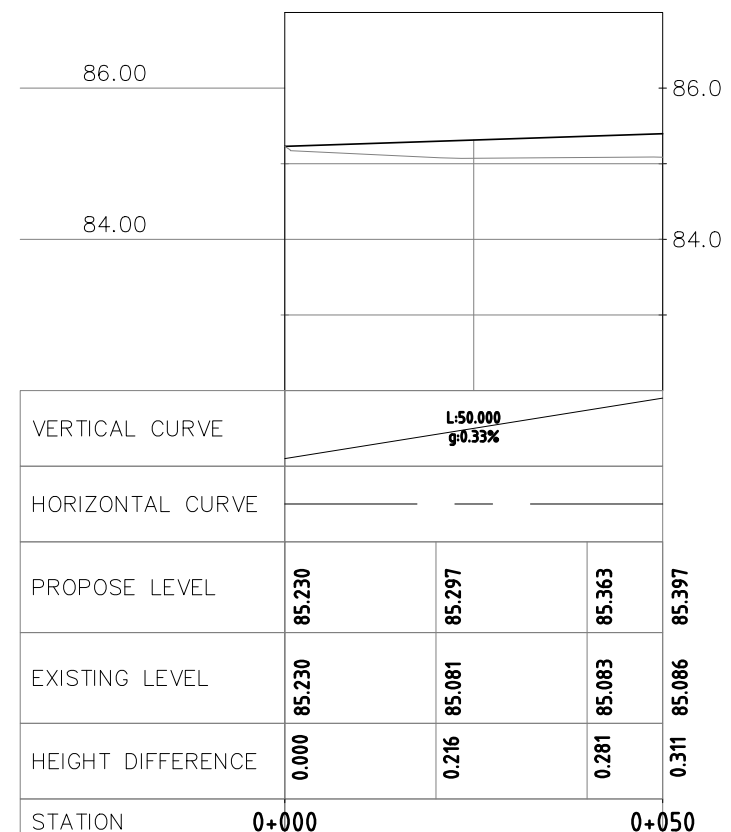
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:

No.	Description	Date
A	Plan and Profile	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE:  
 DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



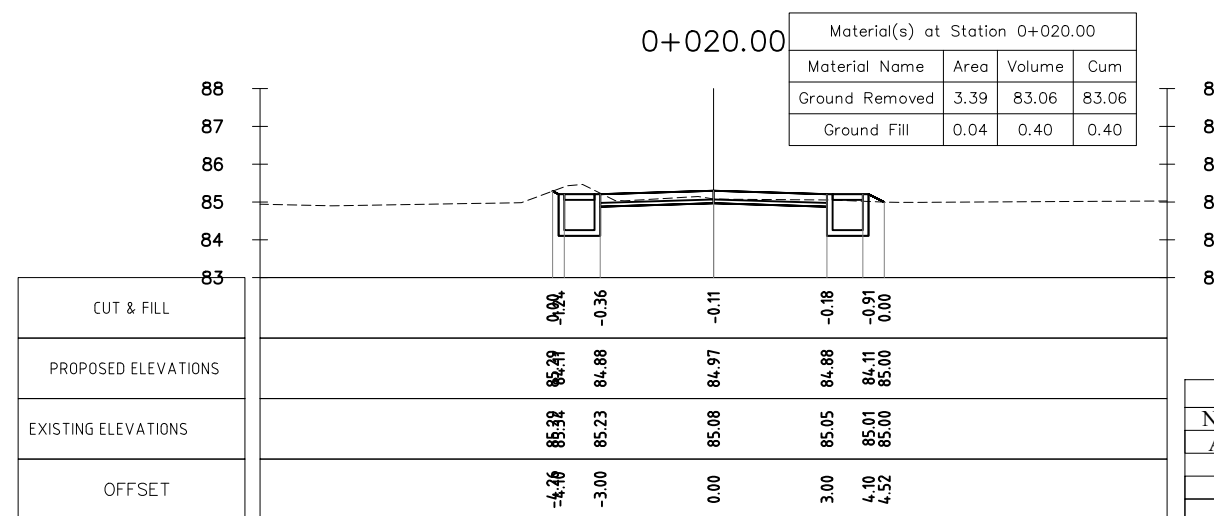
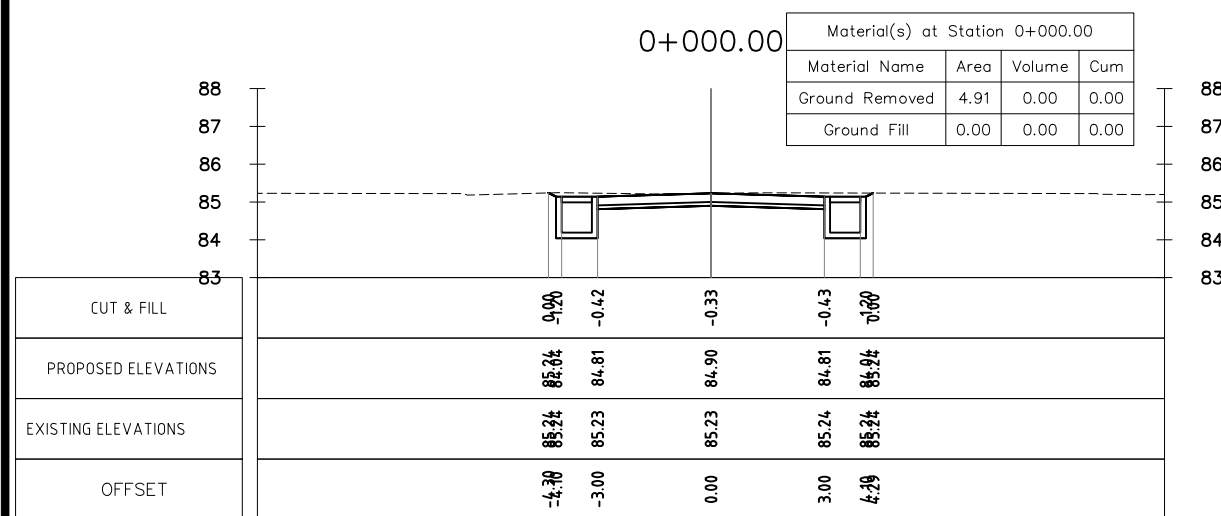
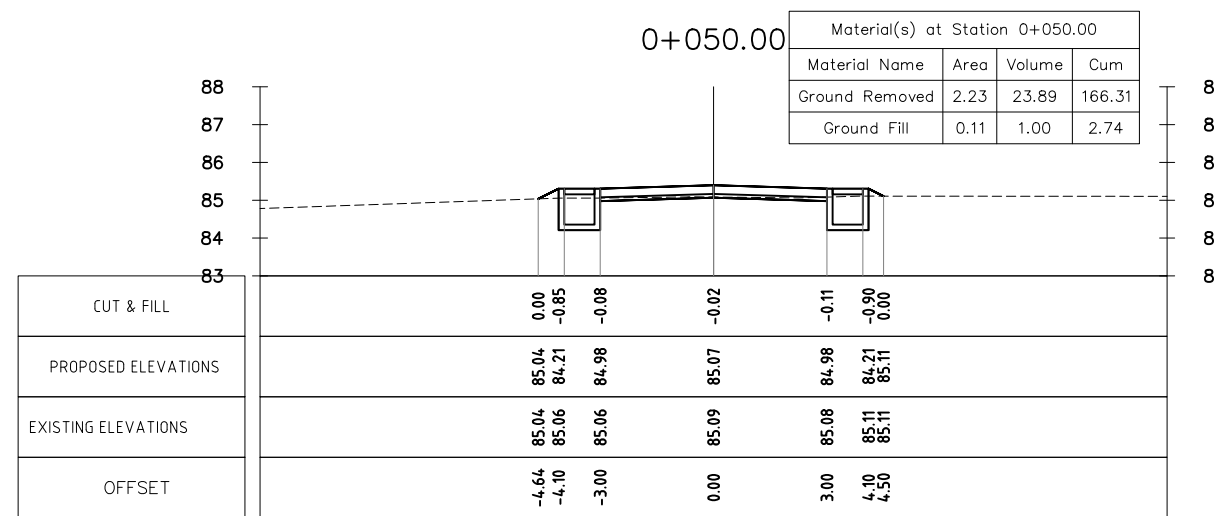
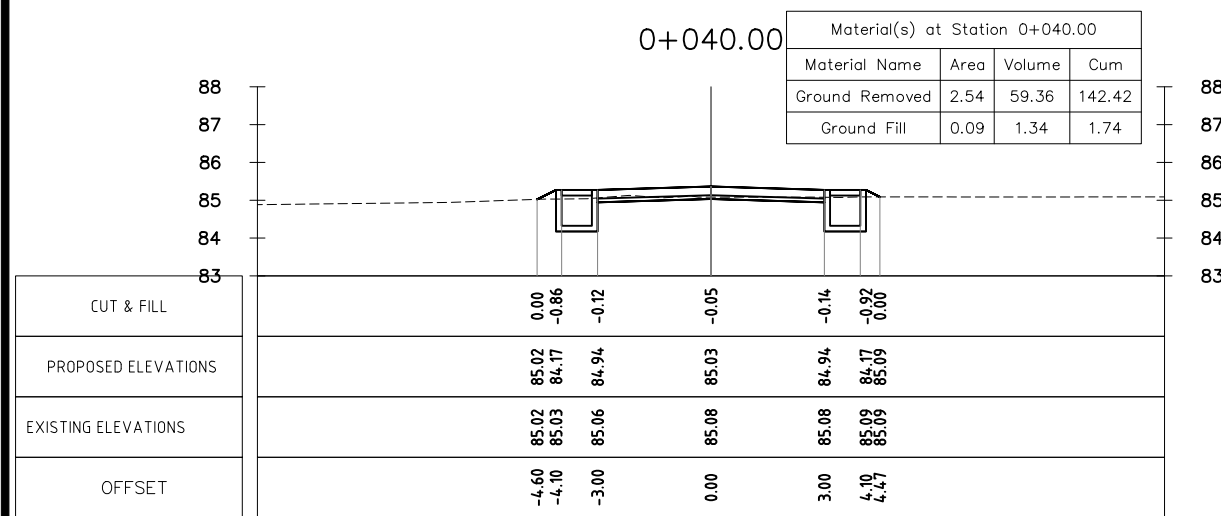
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD TO PARKING PLAN AND PROFILE Sta: km0+00-0+050

SCALE IN A3: H1/1000 V1/100      DATE:      DRAWING No.: LAO - NKS      C - 01-36



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

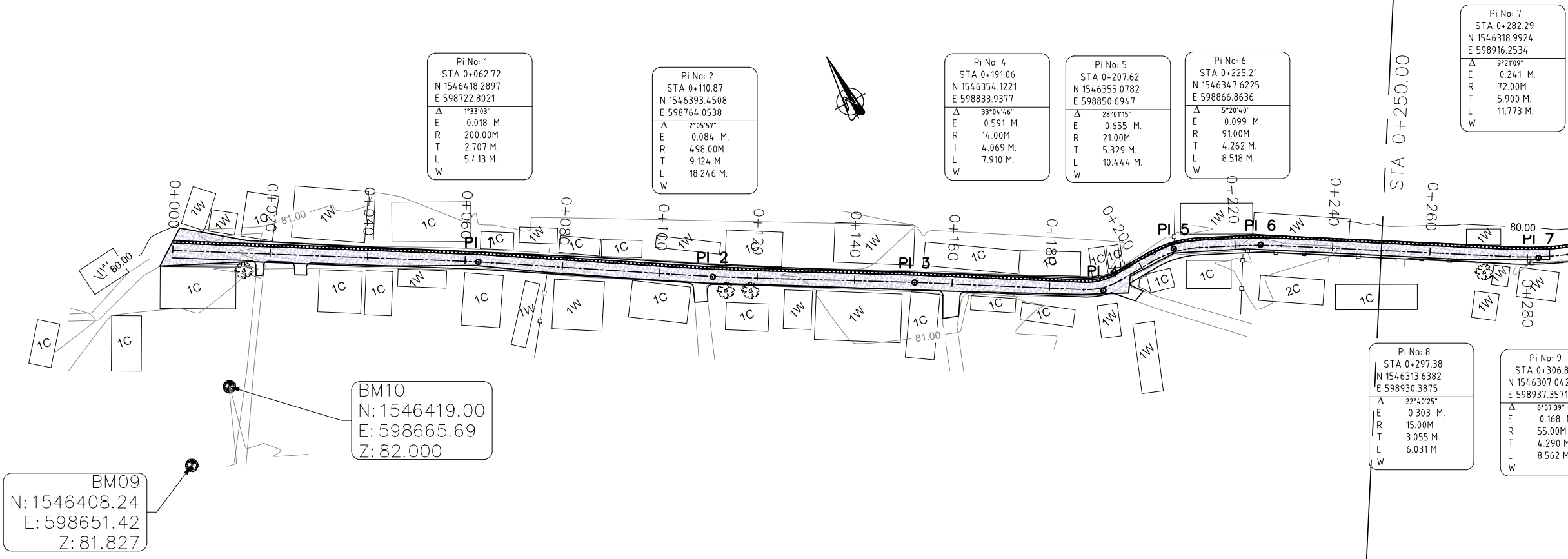


PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 ACCESS ROAD TO PARKING CROSS - SECTION Sta. KM0+000-0+050

DRAWING TITLE :			
SCALE: A3:	DATE :	DRAWING No. :	C - 01-37
1/200		LAO - NKS	

# **III.2. A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT**

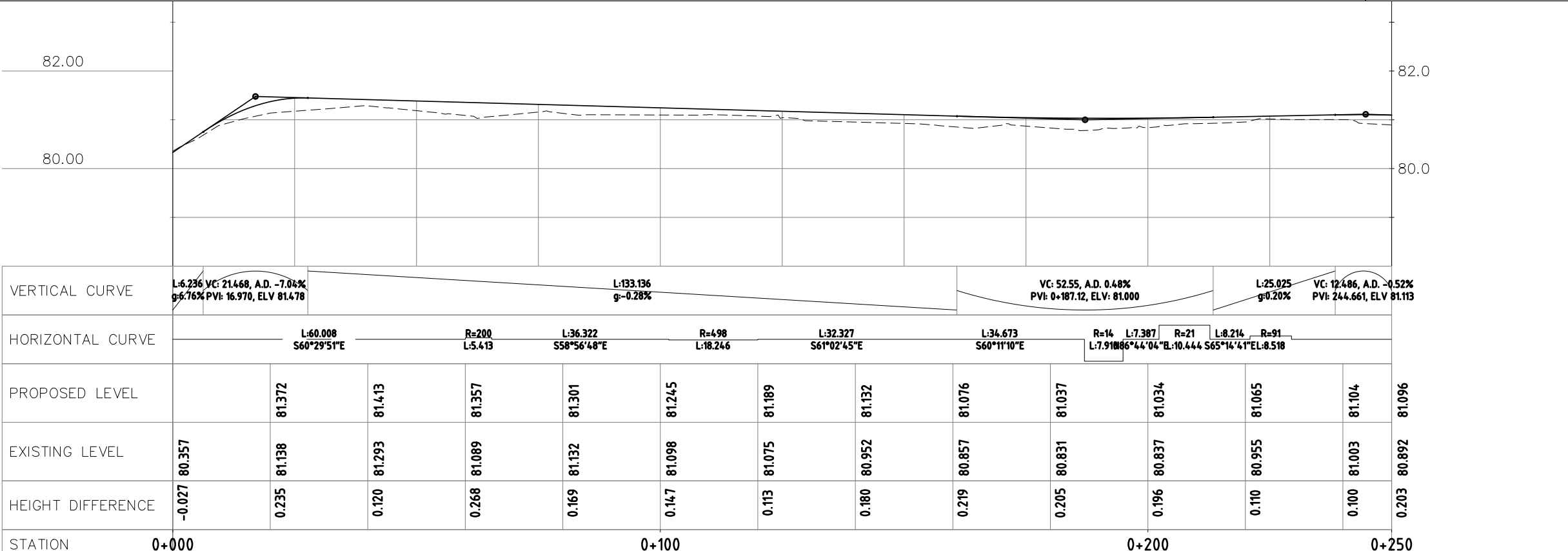
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE
- BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

**CADTIS**

**CADTIS-Consultant**

**LAO-Asean Engineering Consultants Sole CO.,LTD**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(1RL-01 PLAN AND PROFILE Sta:km 0+000-0+250)

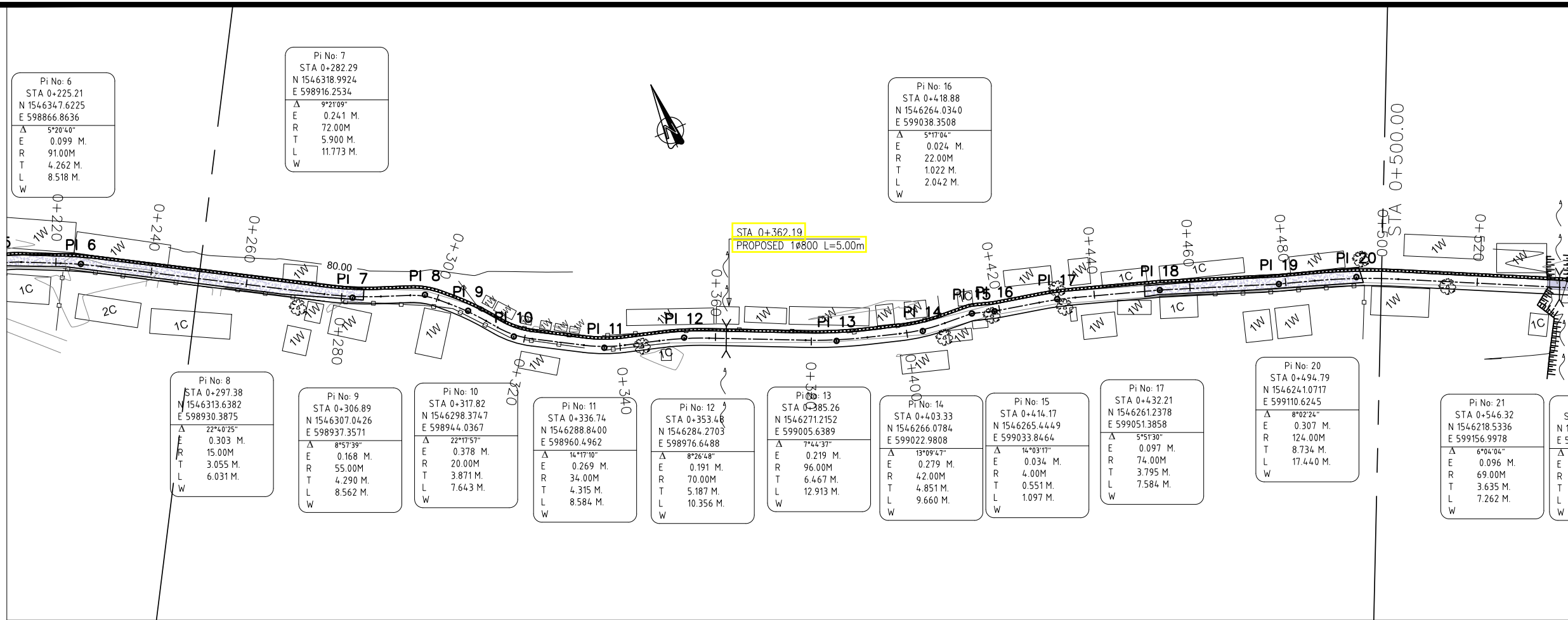
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DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

C-38

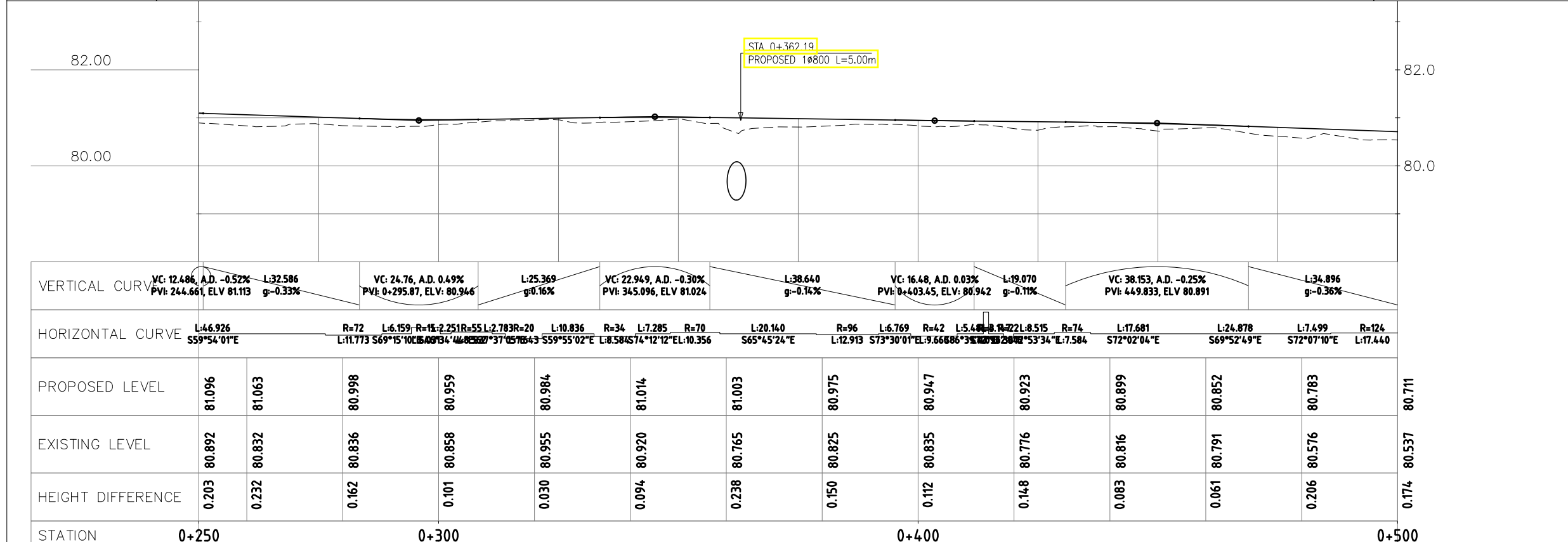
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_  
 TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

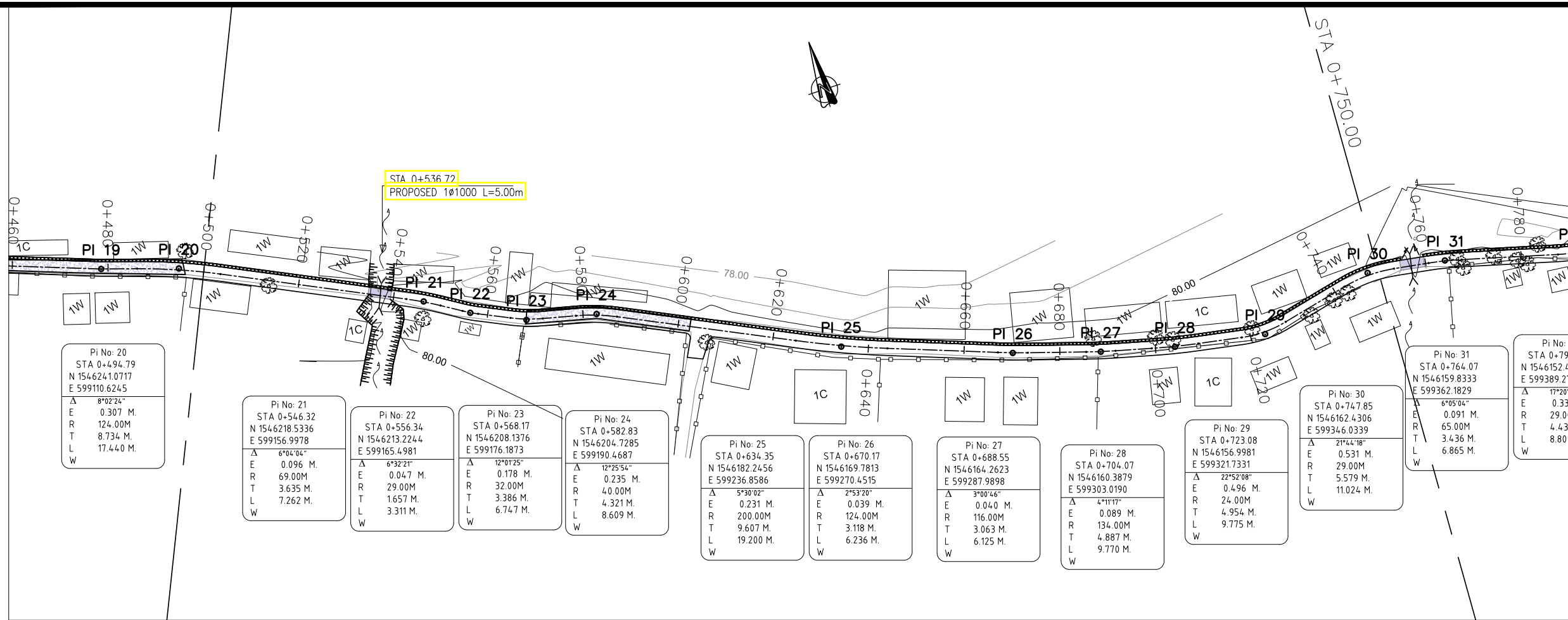
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 DRAWING TITLE: ACCESS ROAD -A2( IRL-01 PLAN AND PROFILE Sta:km 0+250-0+500  
 SCALE IN A3: H1/1000 V1/100  
 DATE: \_\_\_\_\_  
 DRAWING No.: LAO - NKS  
 C-39

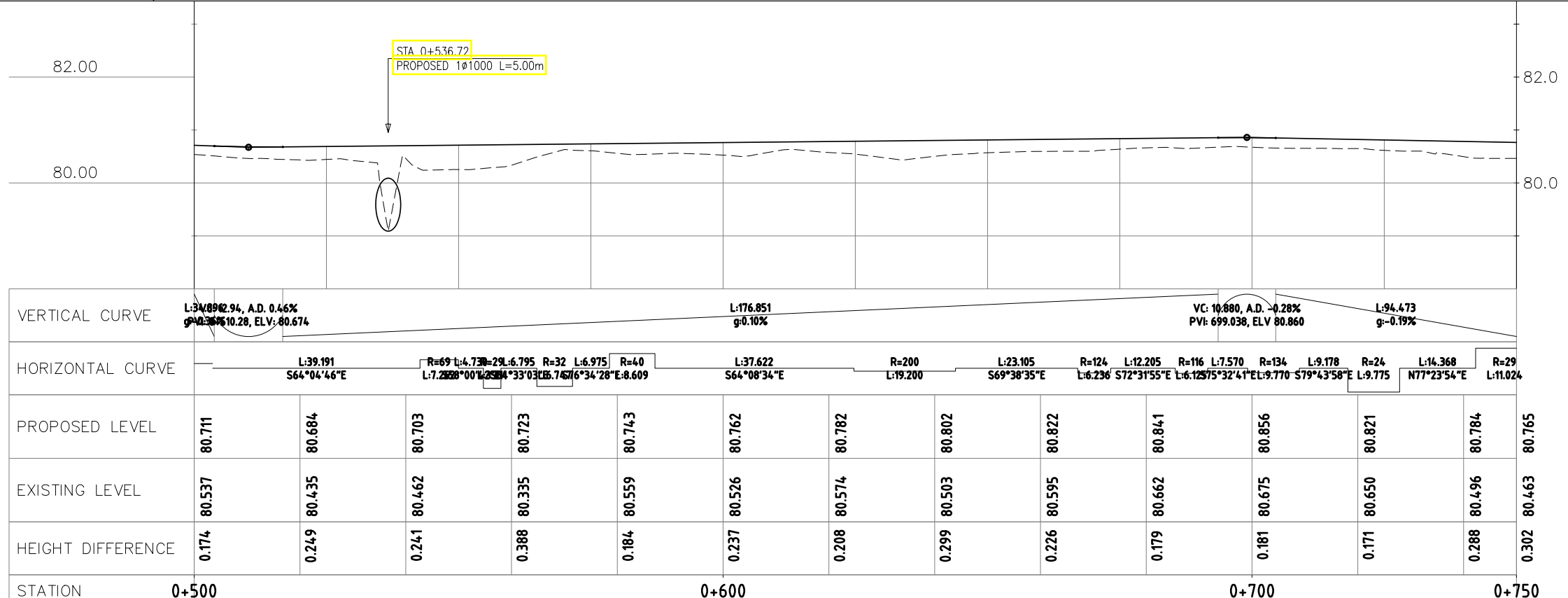
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:

No.	Description	Date
A	Plan and Profile	12-10-18

LEGEND

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE:

DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(TRL-01 PLAN AND PROFILE Sta:km 0+500-0+750)

SCALE IN A3: H1/1000  
 V1/100

DATE:

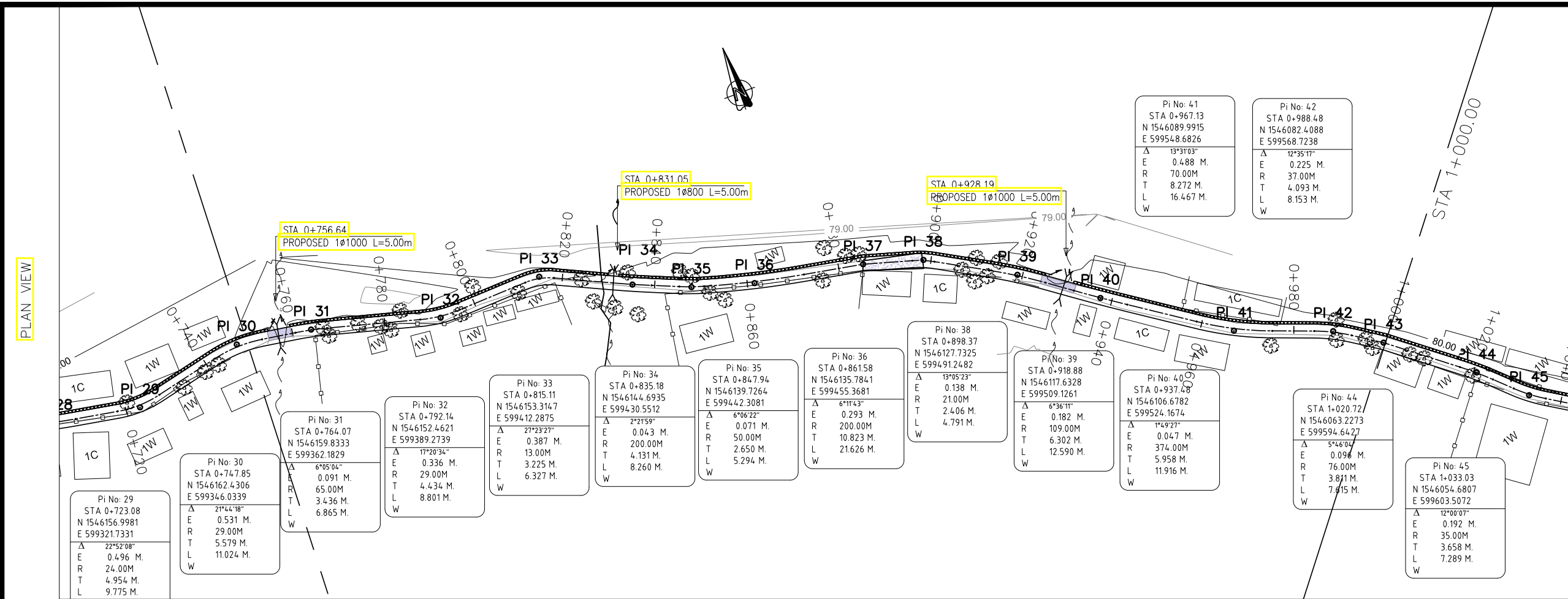
DRAWING No.: LAO - NKS

C-40

REVISION:

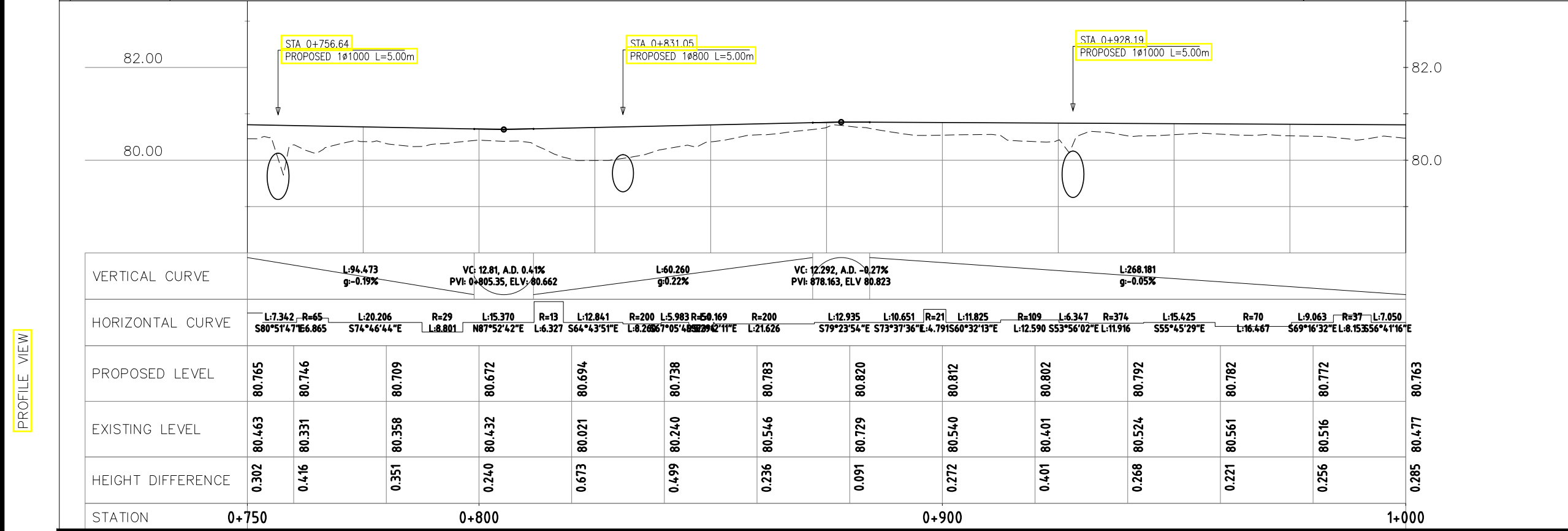
No.	Description	Date
A	Plan and Profile	12-10-18





**LEGEND:**

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE



**REVISION:**

No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

**CADTIS-Consultant**

**LAO-Asean Engineering Consultants Sole CO.,LTD.**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(1RL-01 PLAN AND PROFILE Sta:km 0+750-1+000)

SCALE IN A3: H1/1000  
 V1/100

DATE: \_\_\_\_\_

DRAWING No.: \_\_\_\_\_

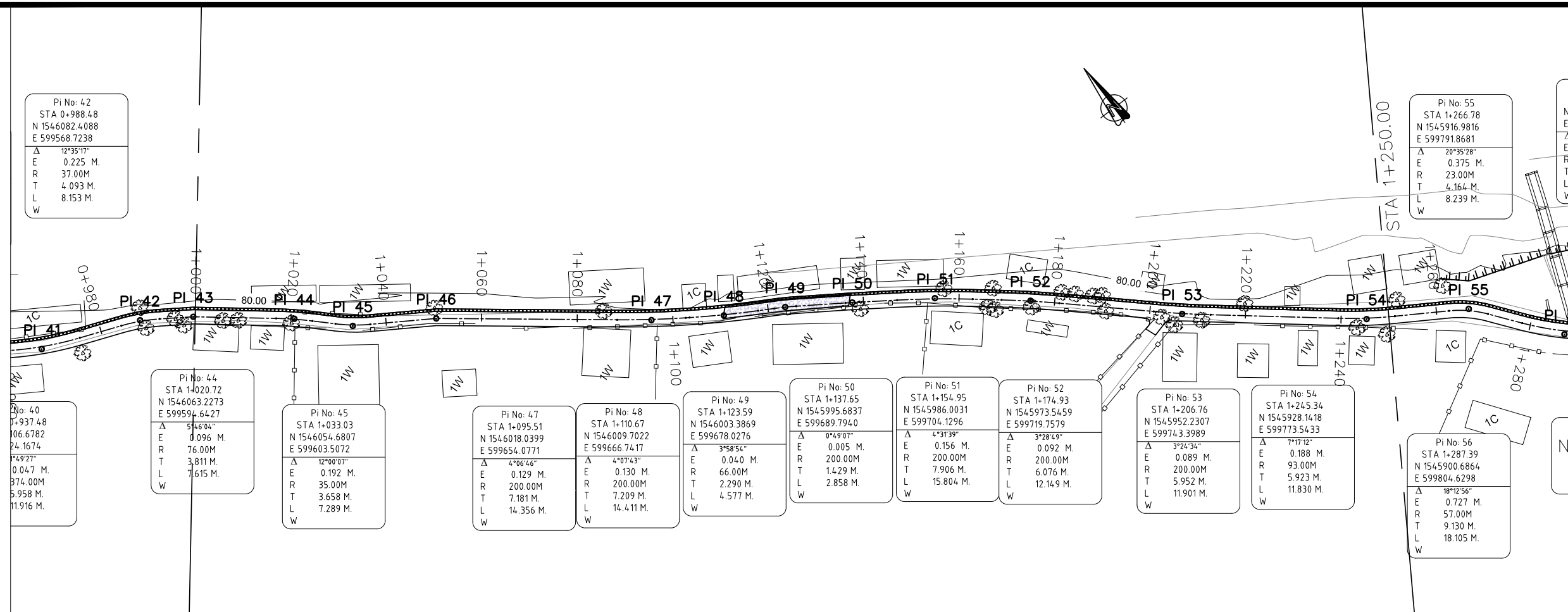
LAO - NKS

C-41

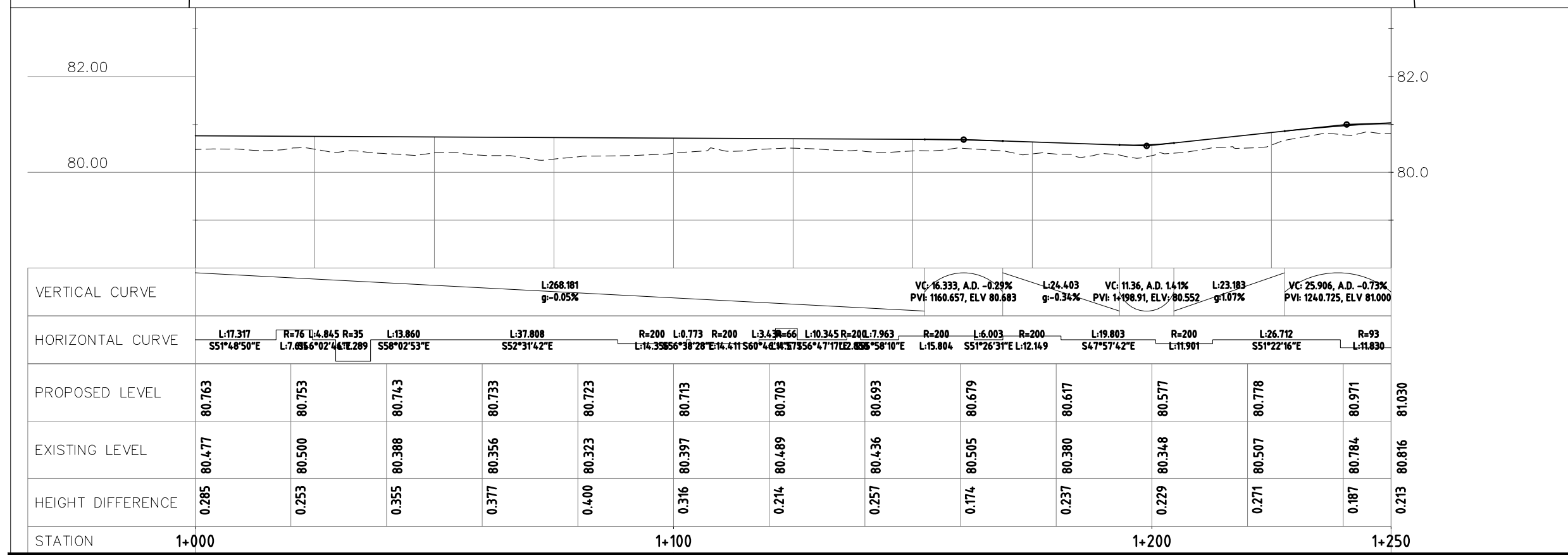
LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PLAN VIEW



PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(1RL-01 PLAN AND PROFILE Sta:km 1+000-1+250)

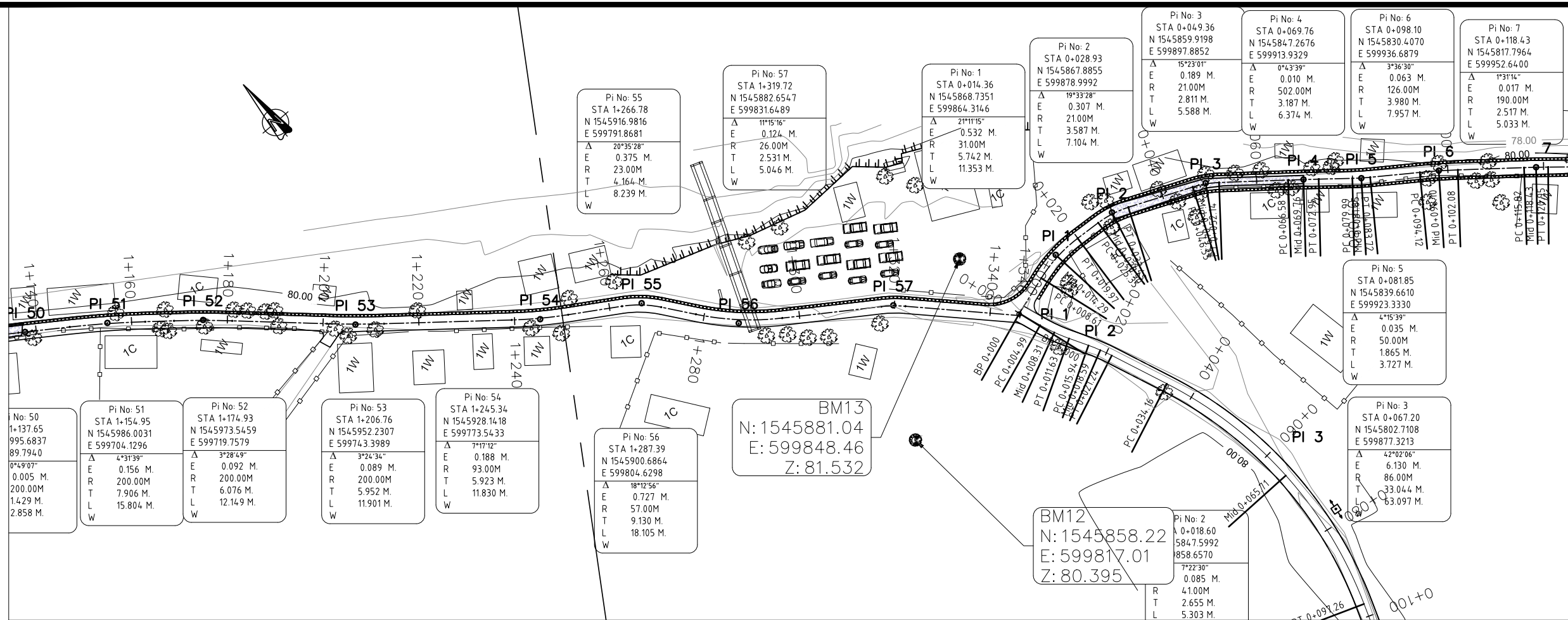
SCALE IN A3: H1/1000 V1/100

DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

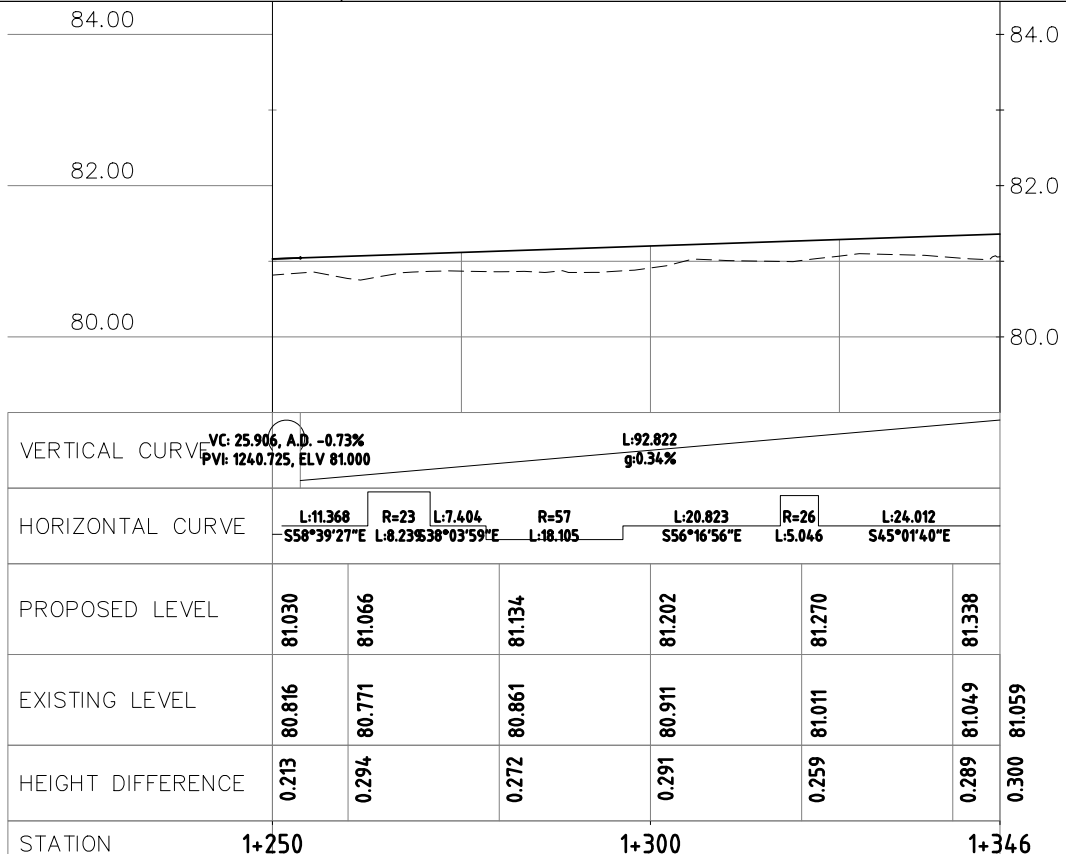
C-42

PLAN VIEW



- LEGEND:**
- NORTH DIRECTION
  - CONCRETE BENCH MARK
  - ELECTRIC POLE
  - PROPOSED FINISHED ROAD
  - EXISTING ROAD
  - LIGHT FOREST
  - DENSE FOREST
  - RICE FIELD
  - WOOD HOUSE (ONE STOREY)
  - CONCRETE-WOOD HOUSE (TWO STOREY)
  - CONCRETE HOUSE (TWO STOREY)
  - CONCRETE HOUSE (ONE STOREY)
  - PIPE CULVERT
  - BOX CULVERT
  - FENCE

PROFILE VIEW



**REVISION:**

No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE:  
 DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

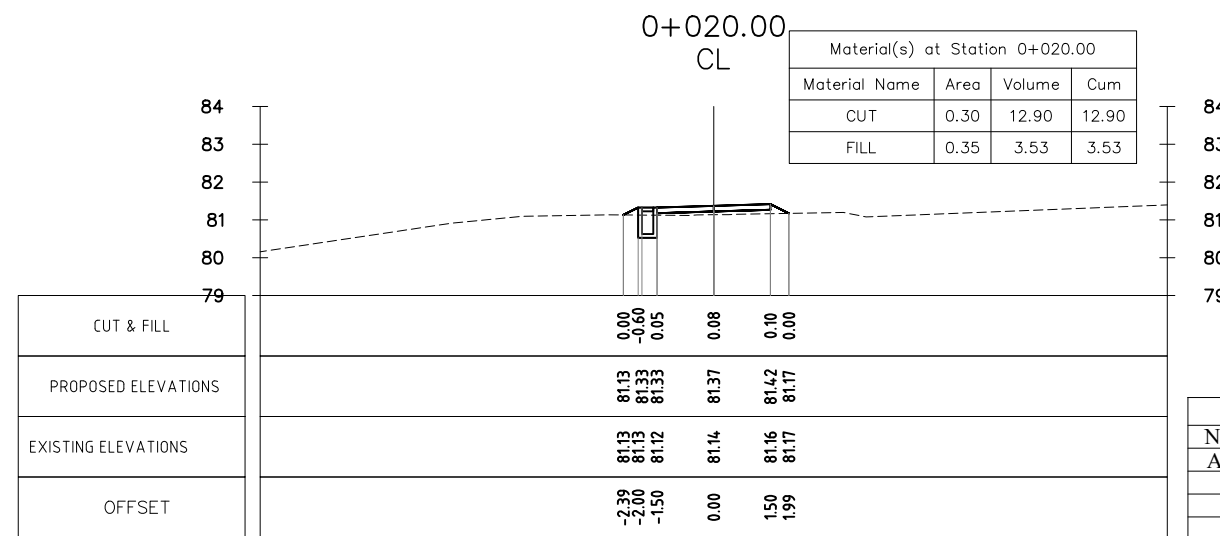
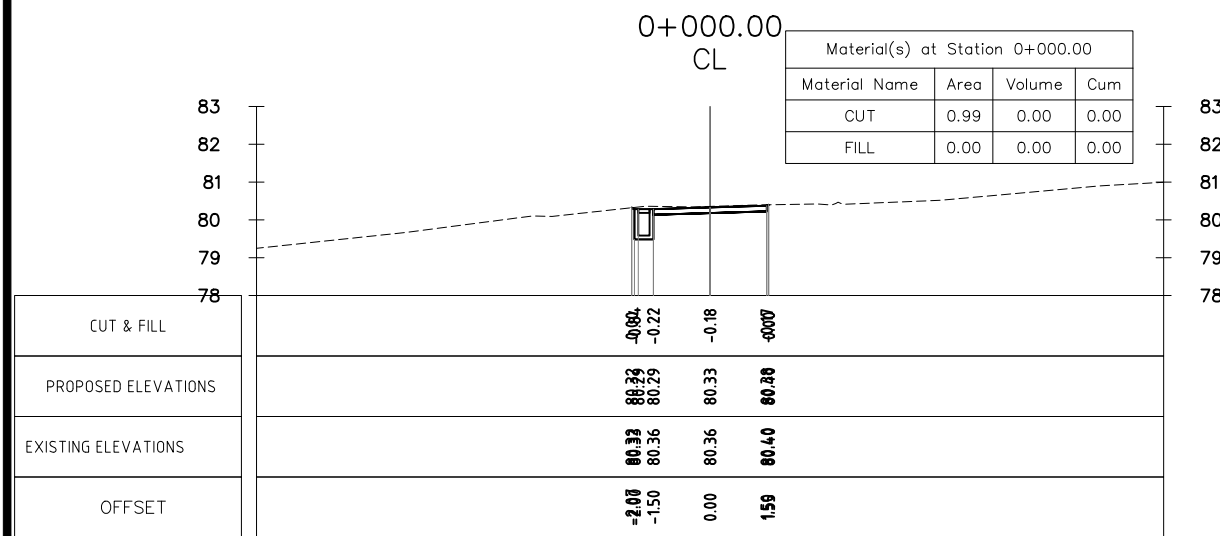
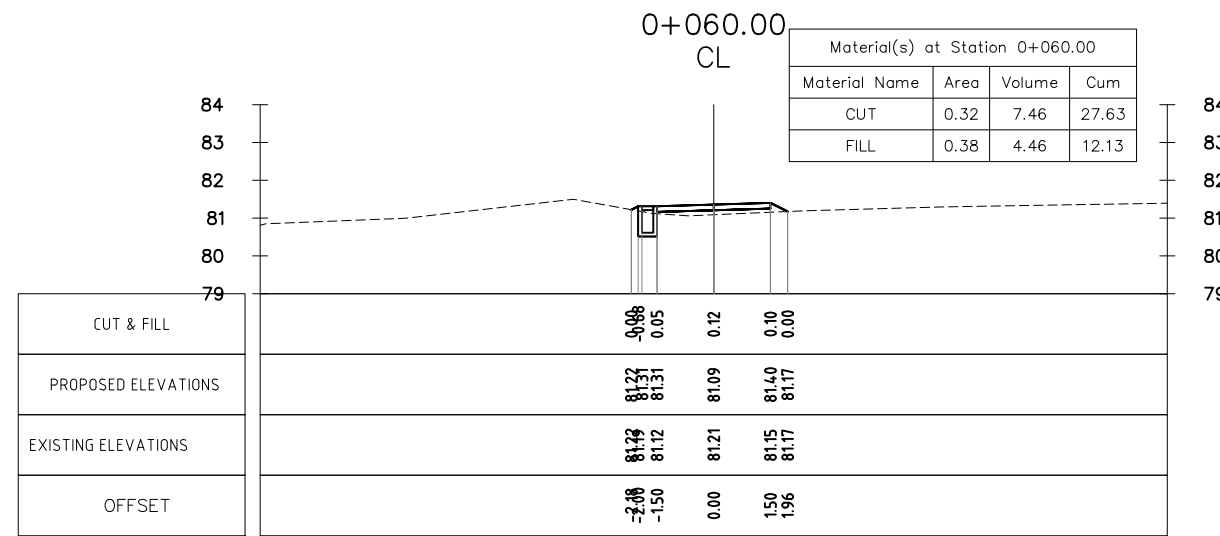
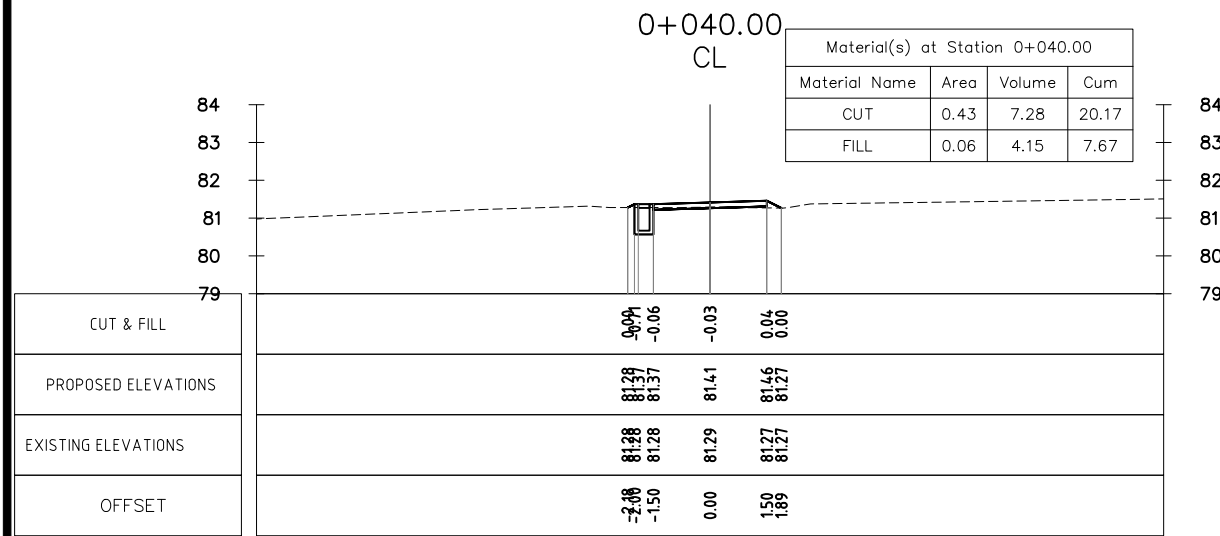
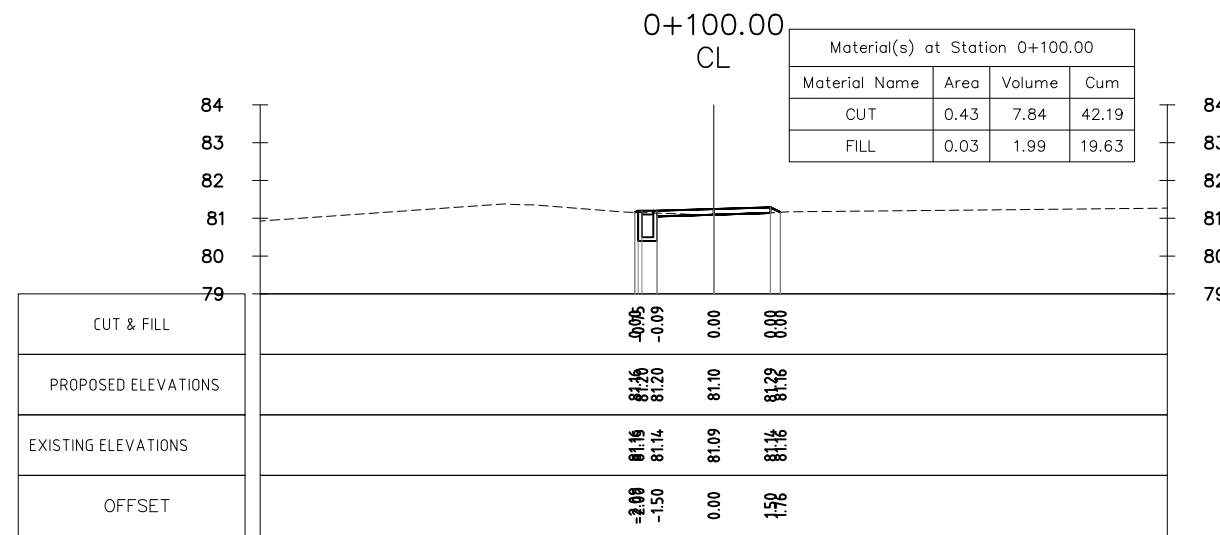
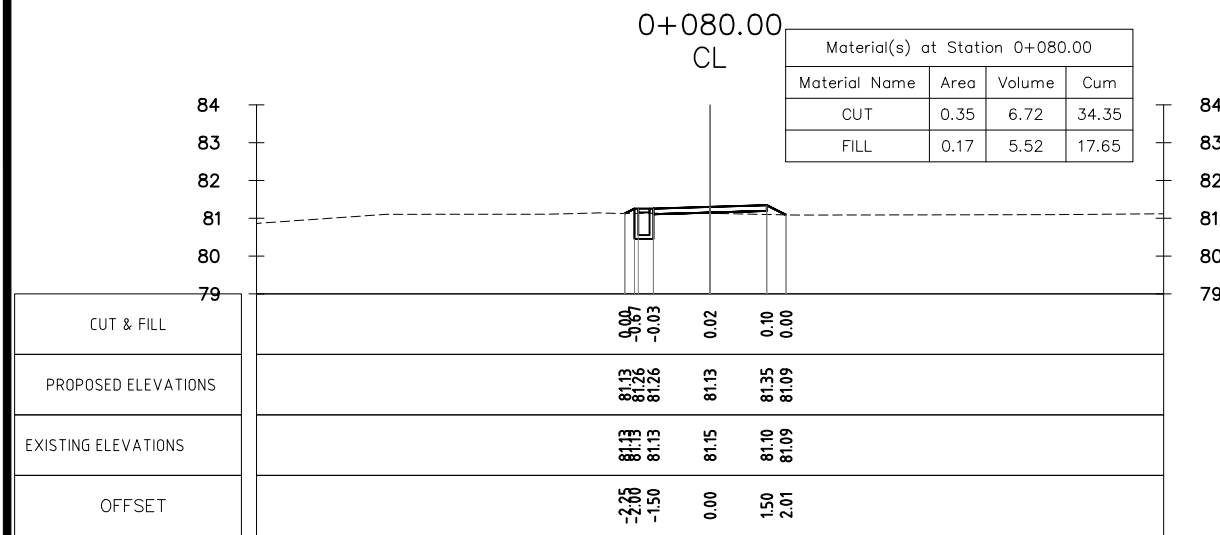
DRAWING TITLE: ACCESS ROAD -A2(1RL-01 PLAN AND PROFILE Sta:km 1+250-1+346)

SCALE IN A3: H1/1000 V1/100

DATE:

DRAWING No.: LAO - NKS

C-43



REVISION:		
No.	Description	Date
A	Road Cross-Section	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

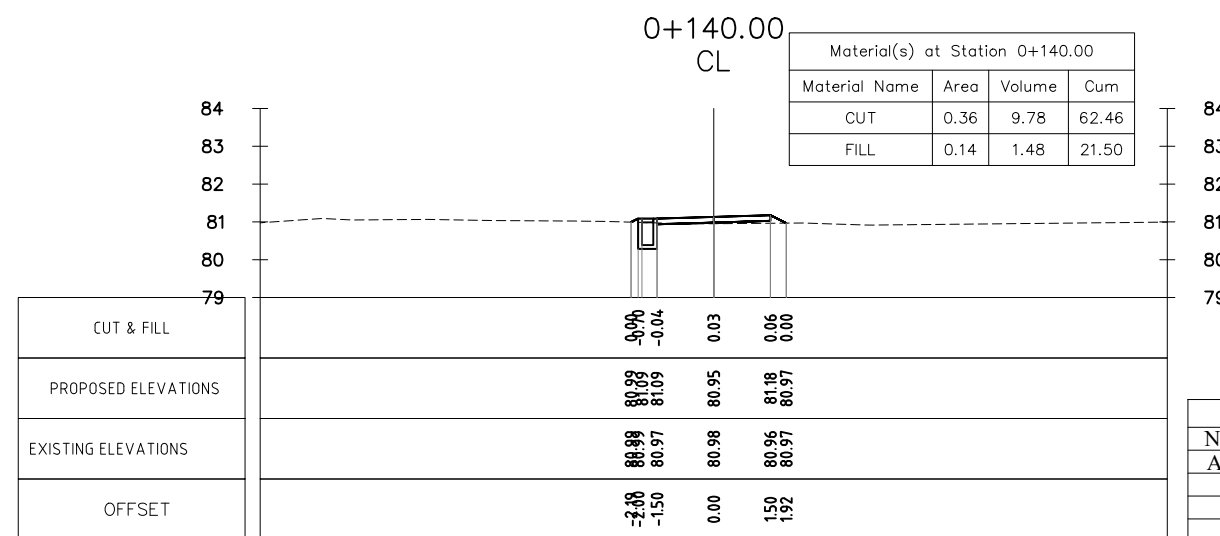
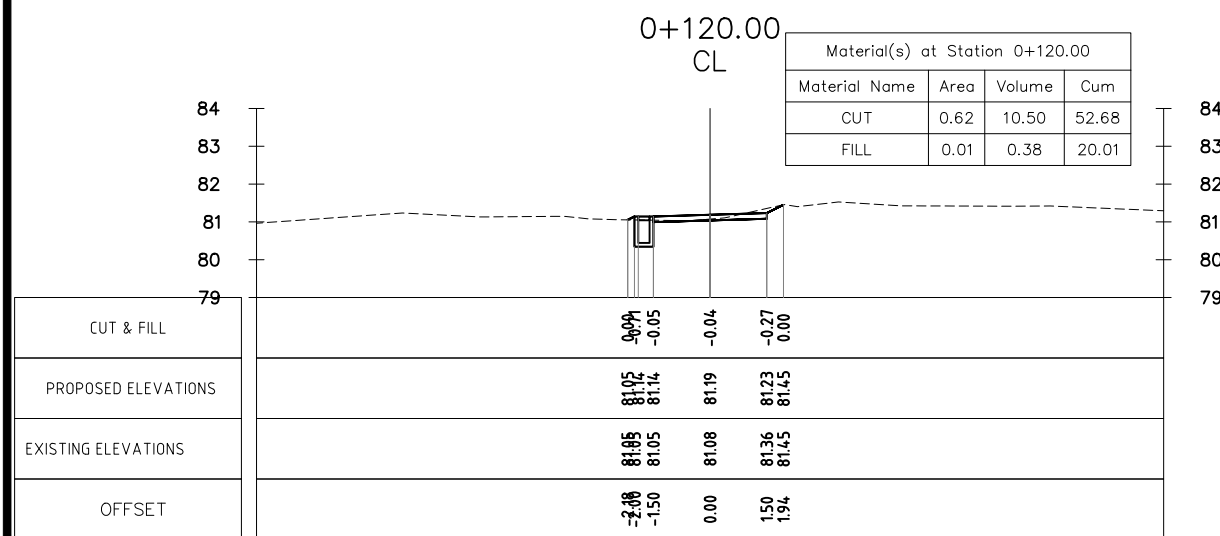
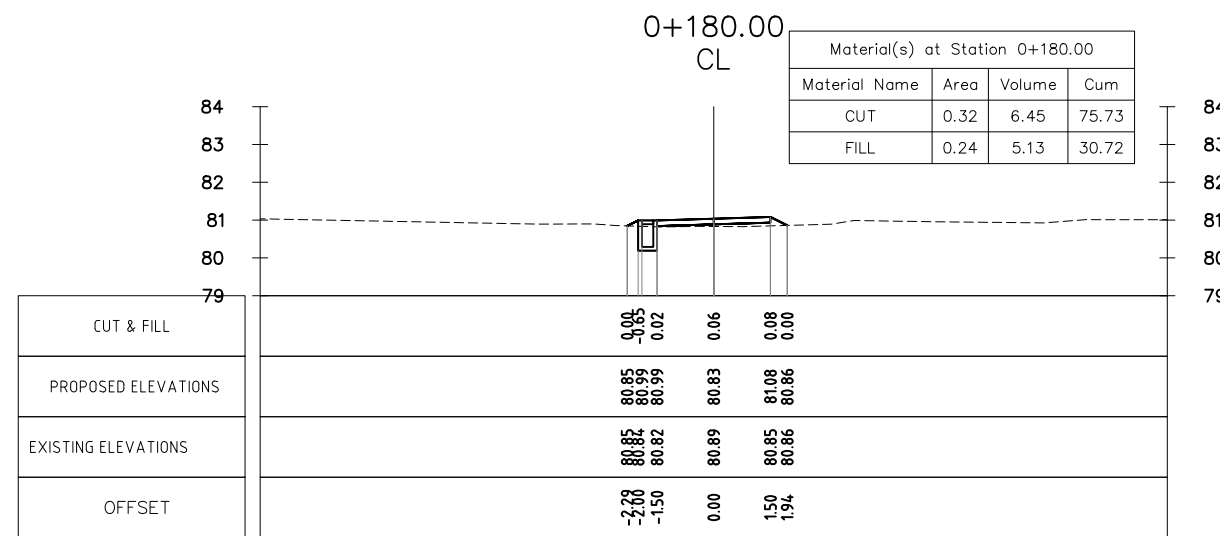
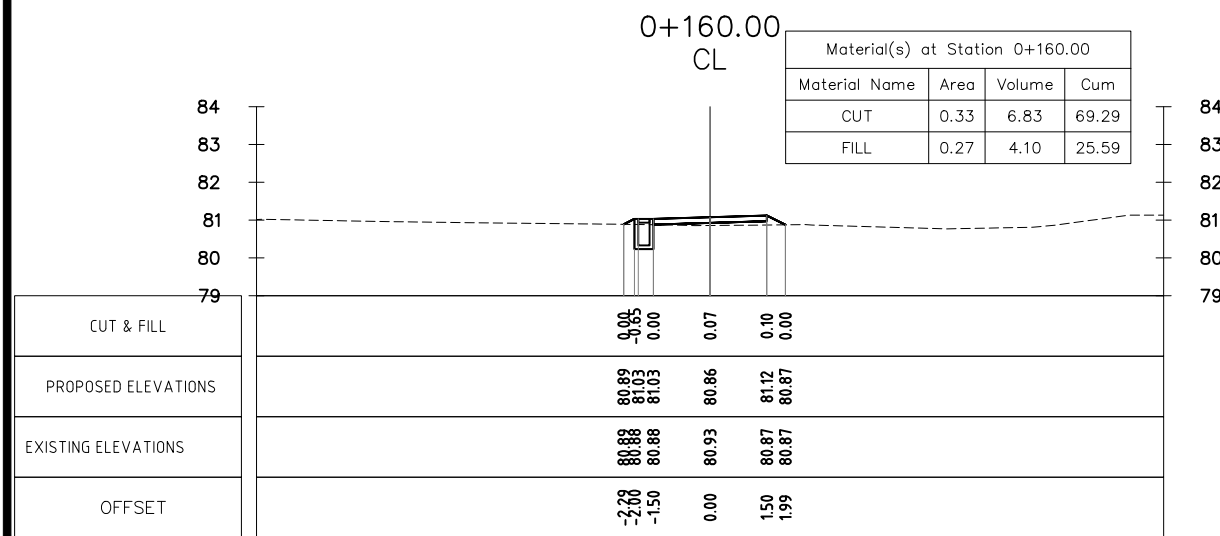
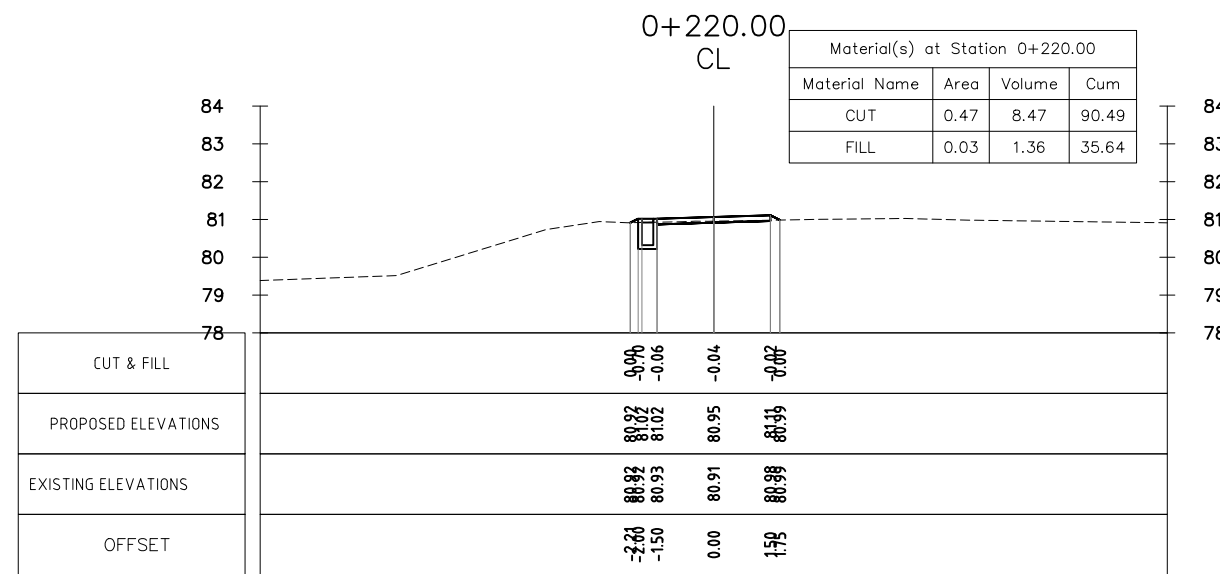
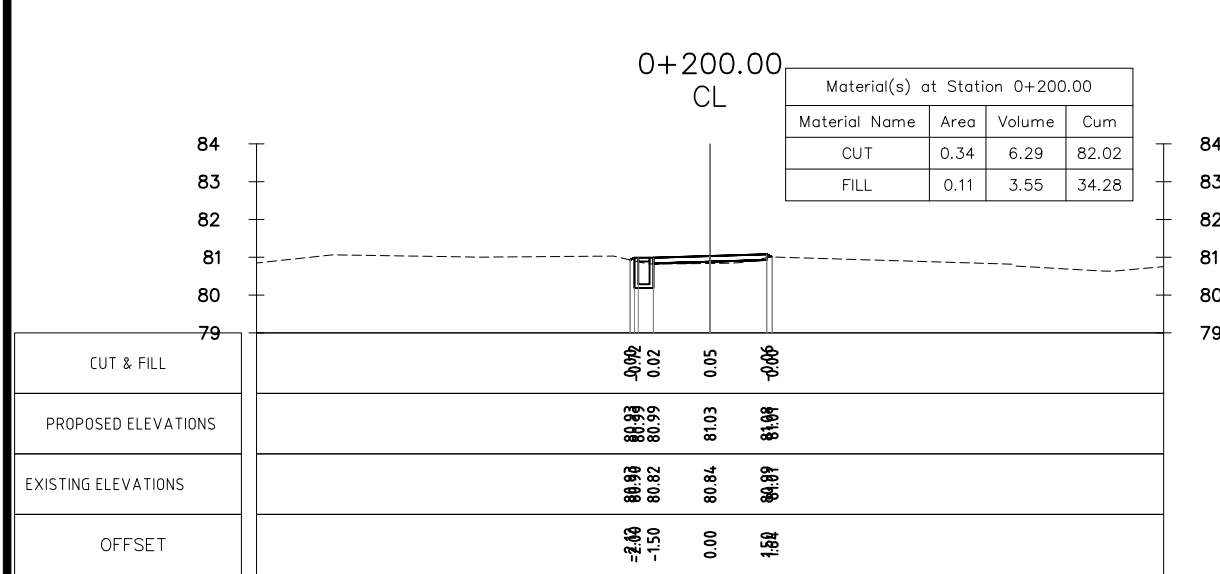
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 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km0+000-0+100  
 SCALE IN A3: 1/200  
 DATE: \_\_\_\_\_  
 DRAWING No.: LAO - NKS  
 C-44



REVISION:		
No.	Description	Date
A	Road Cross-Section	12-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:  
DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

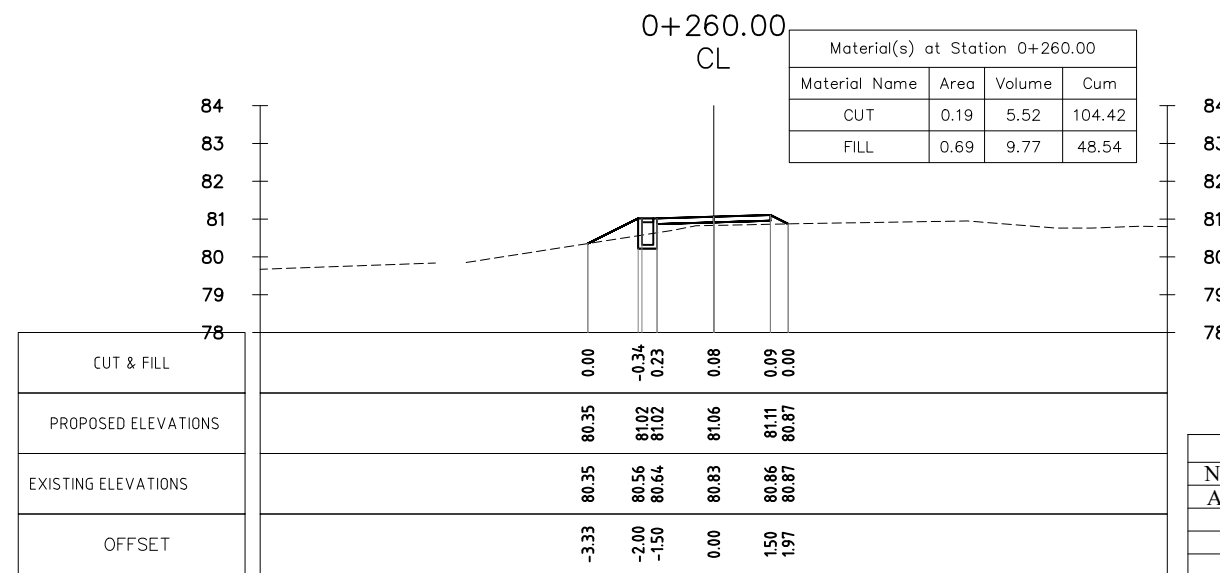
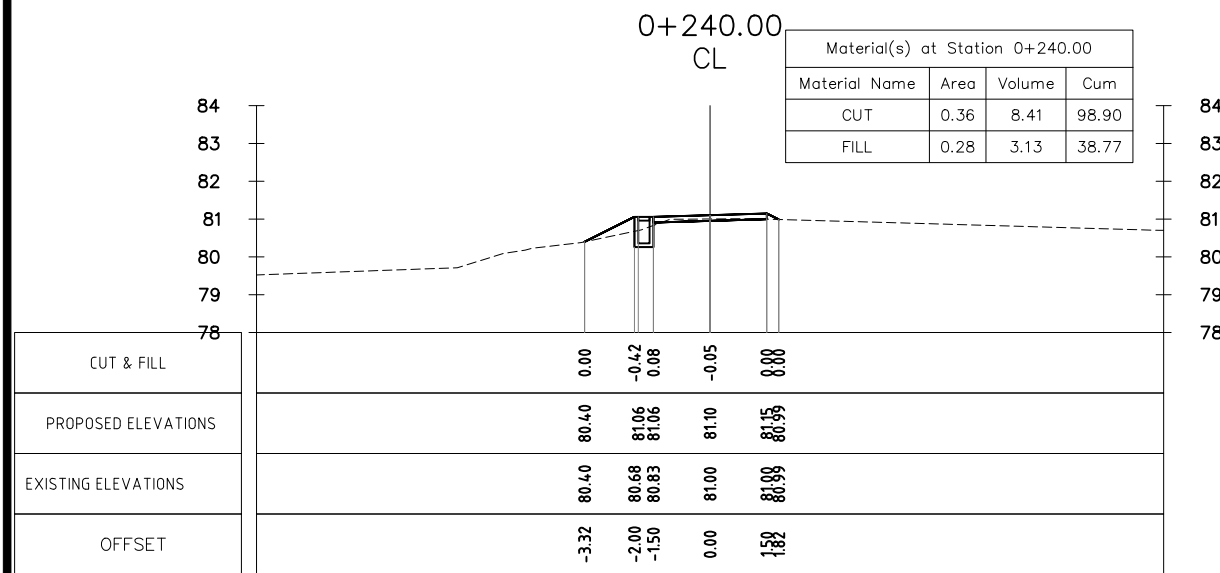
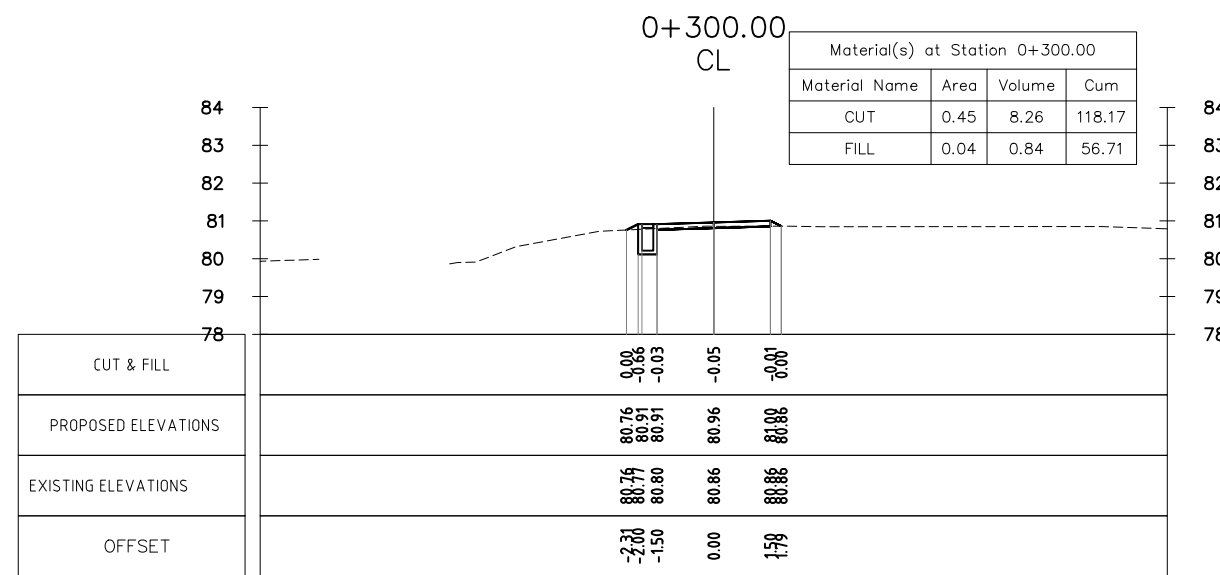
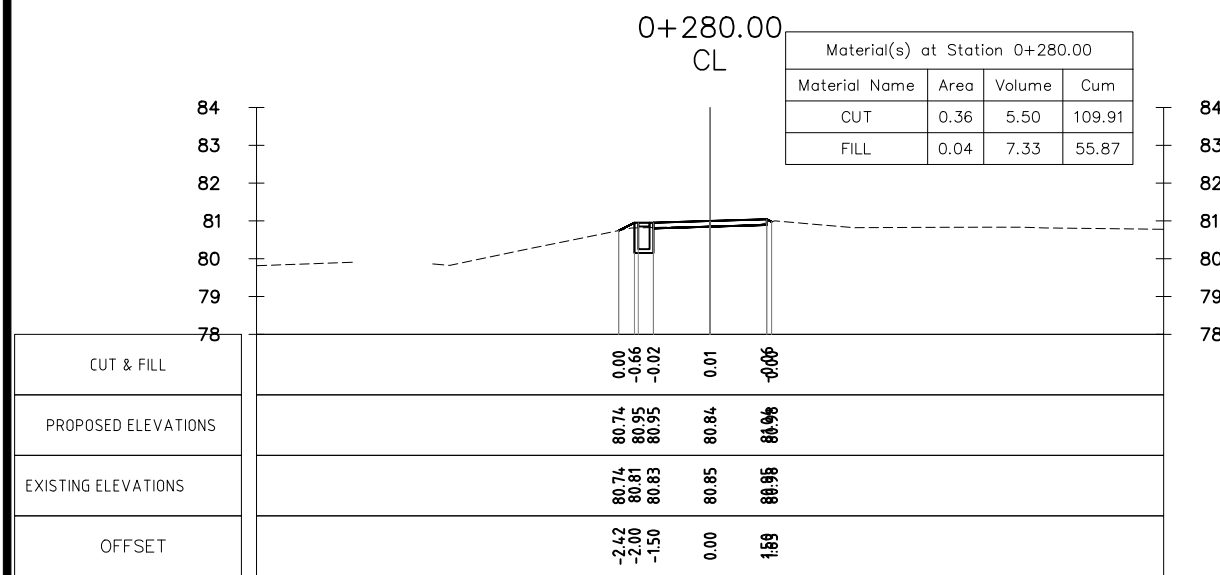
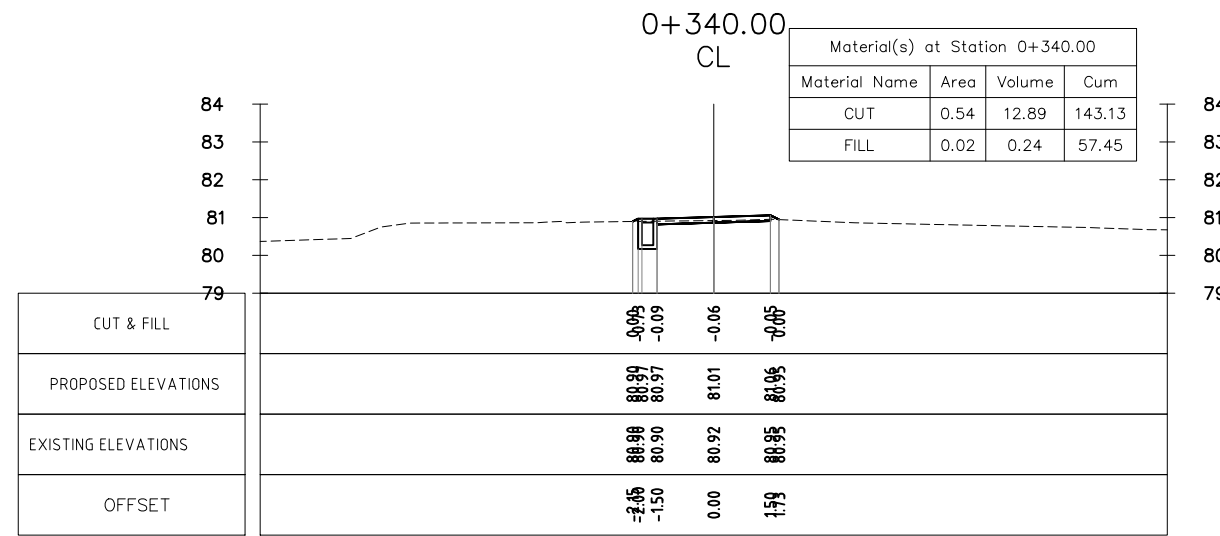
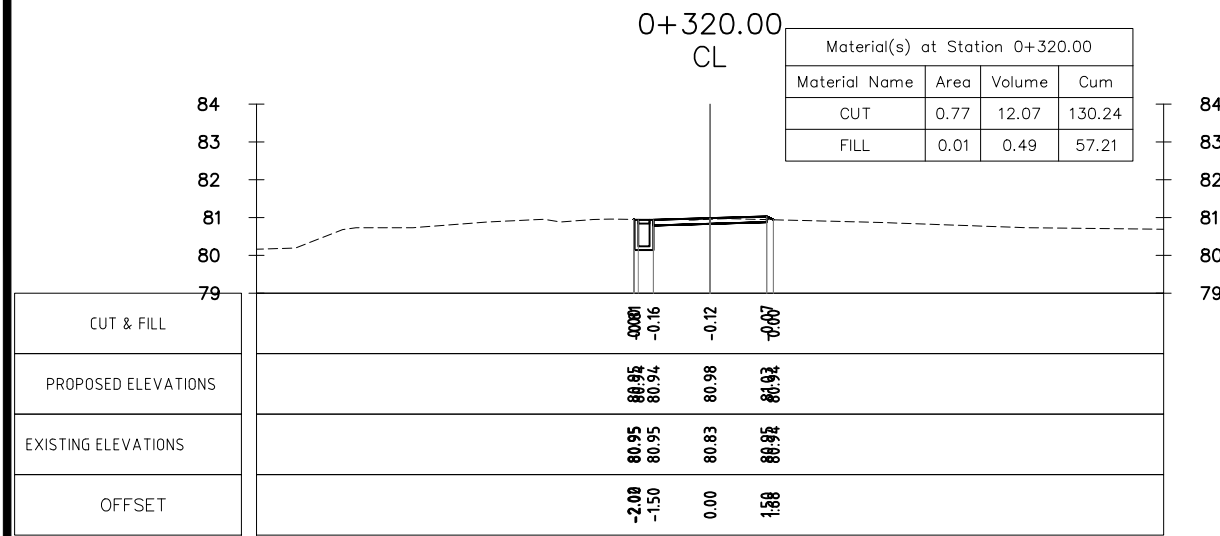
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 0+120-0+220

SCALE IN A3: 1/200      DATE :      DRAWING No. : LAO - NKS      C-45



REVISION:		
No.	Description	Date
A	Road Cross-Section	12-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:  
DATE:

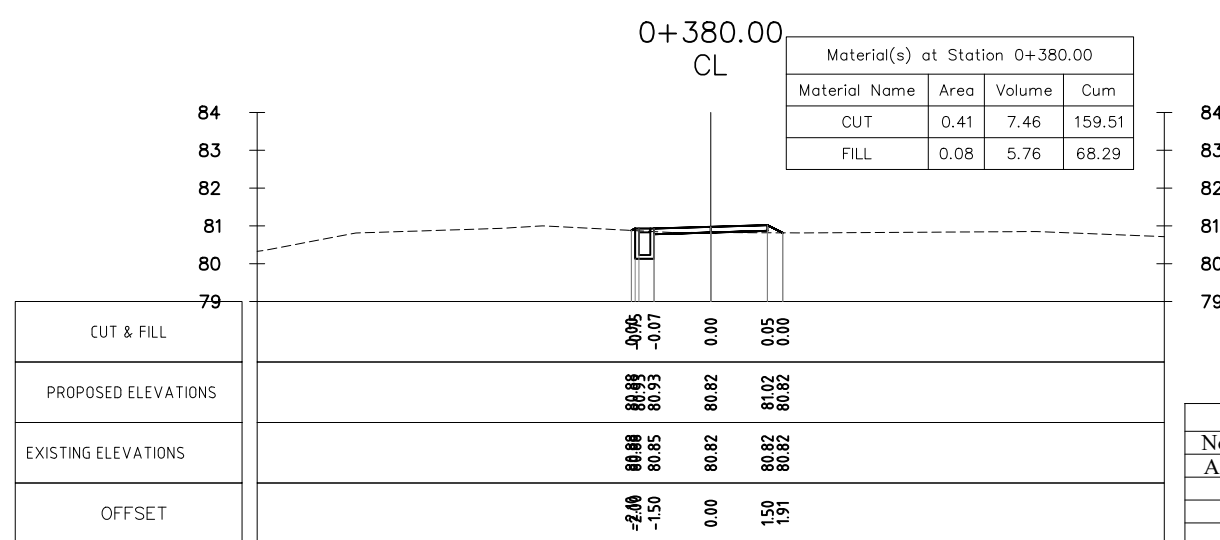
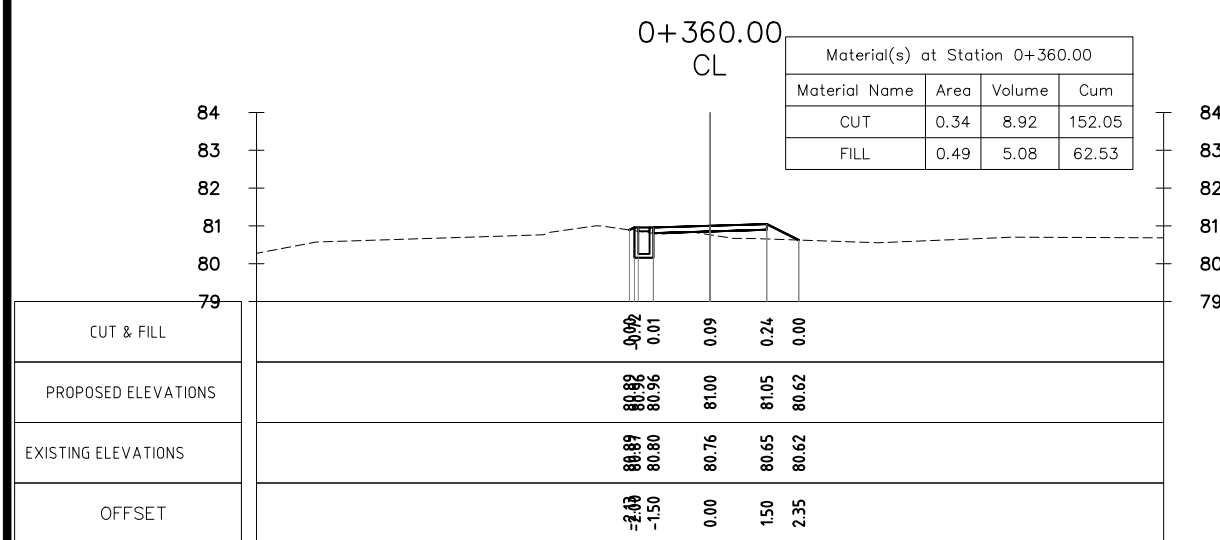
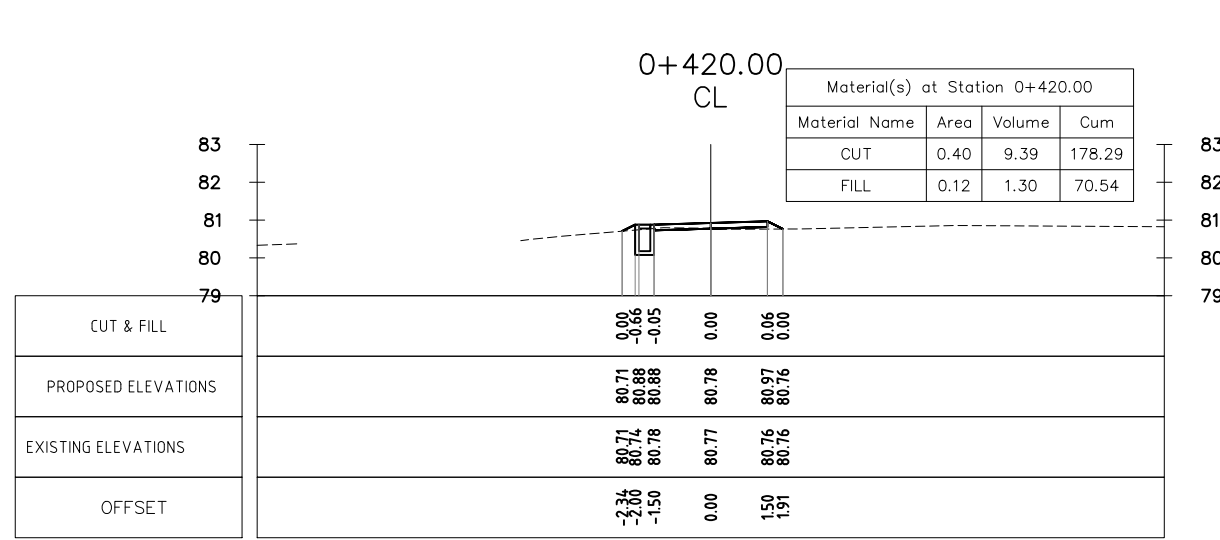
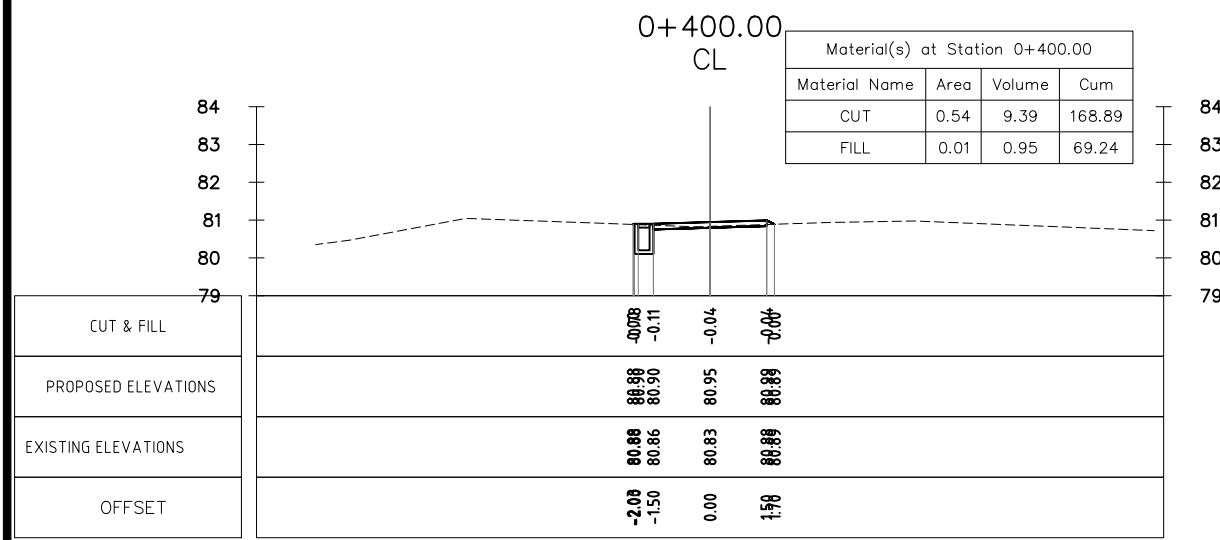
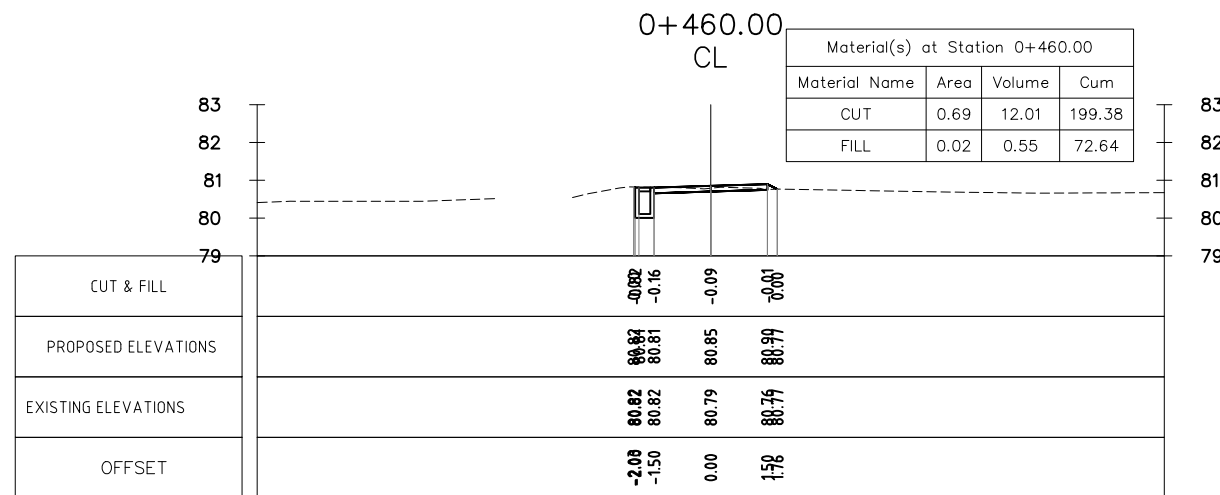
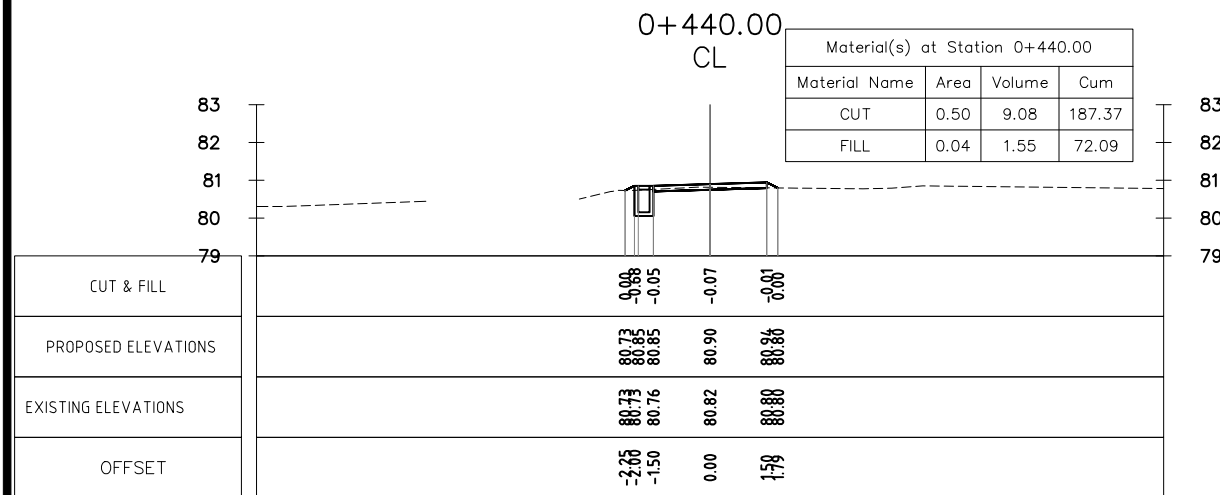


ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
DRAWING TITLE : ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 0+240-0+340  
SCALE IN A3: 1/200  
DATE :  
DRAWING No. : LAO - NKS  
C-46



REVISION:		
No.	Description	Date
A	Road Cross-Section	12-10-18


Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



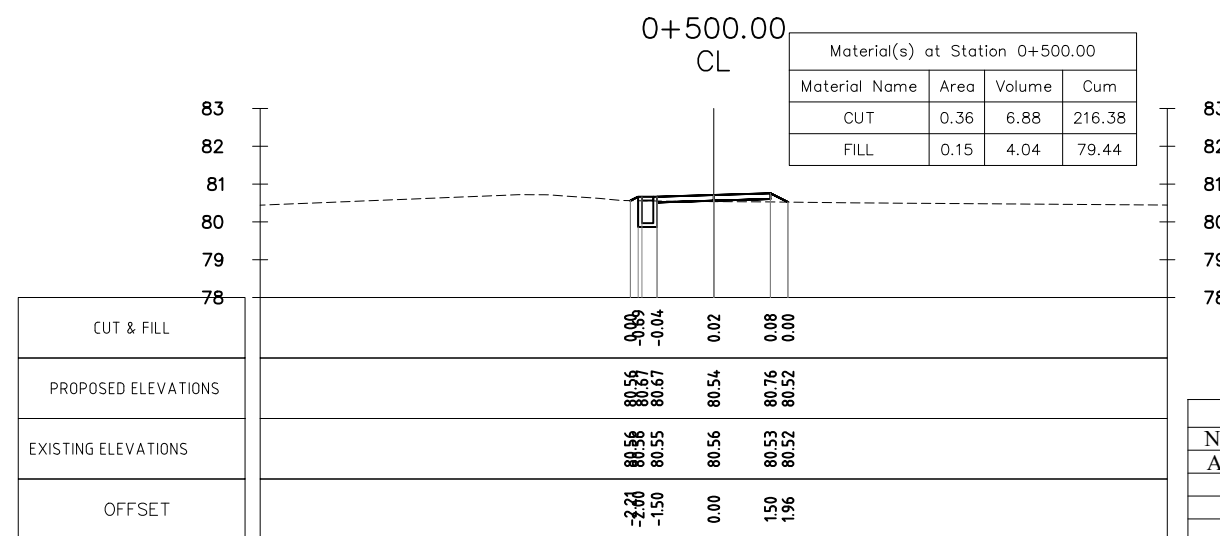
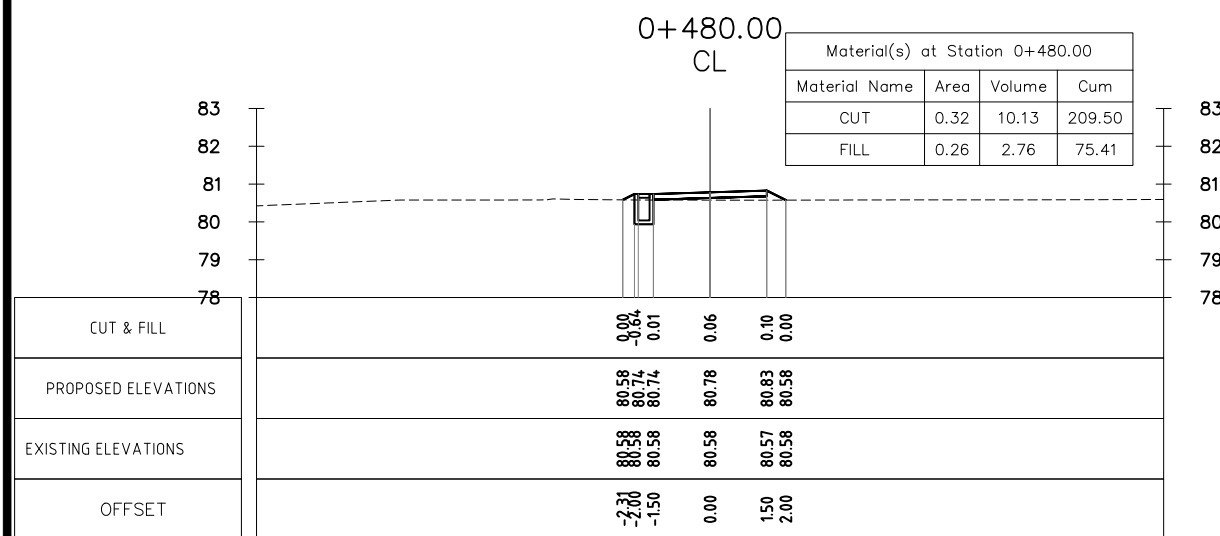
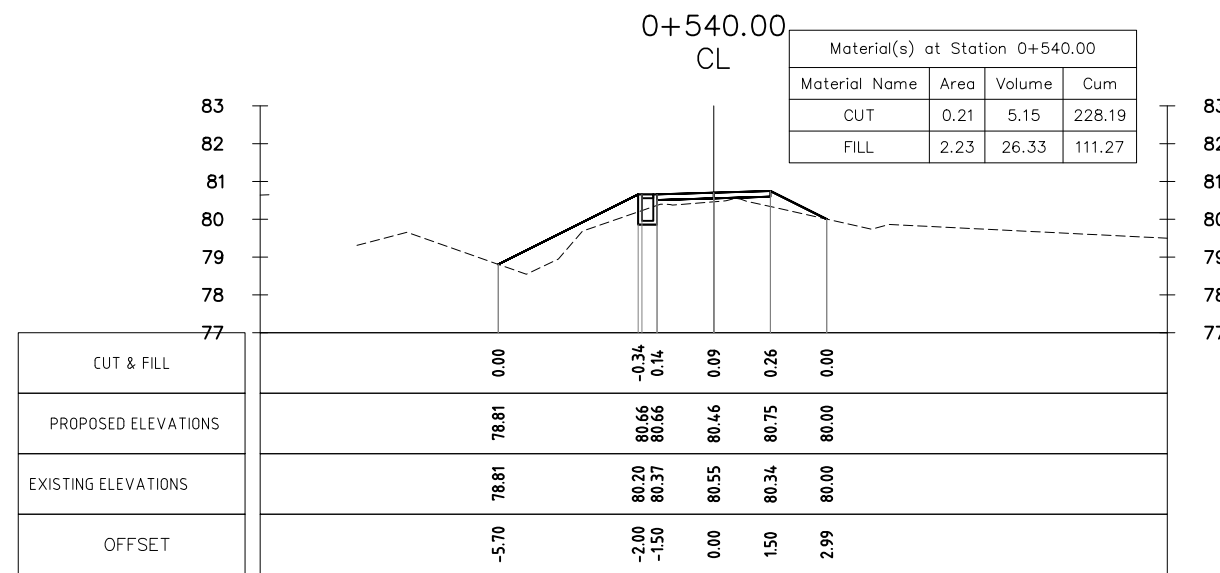
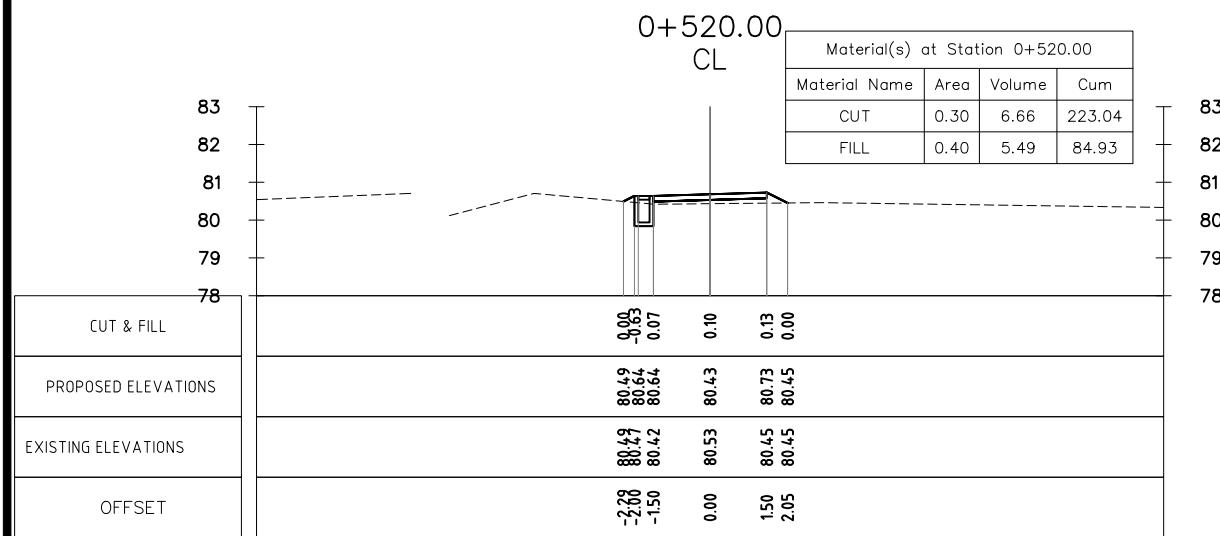
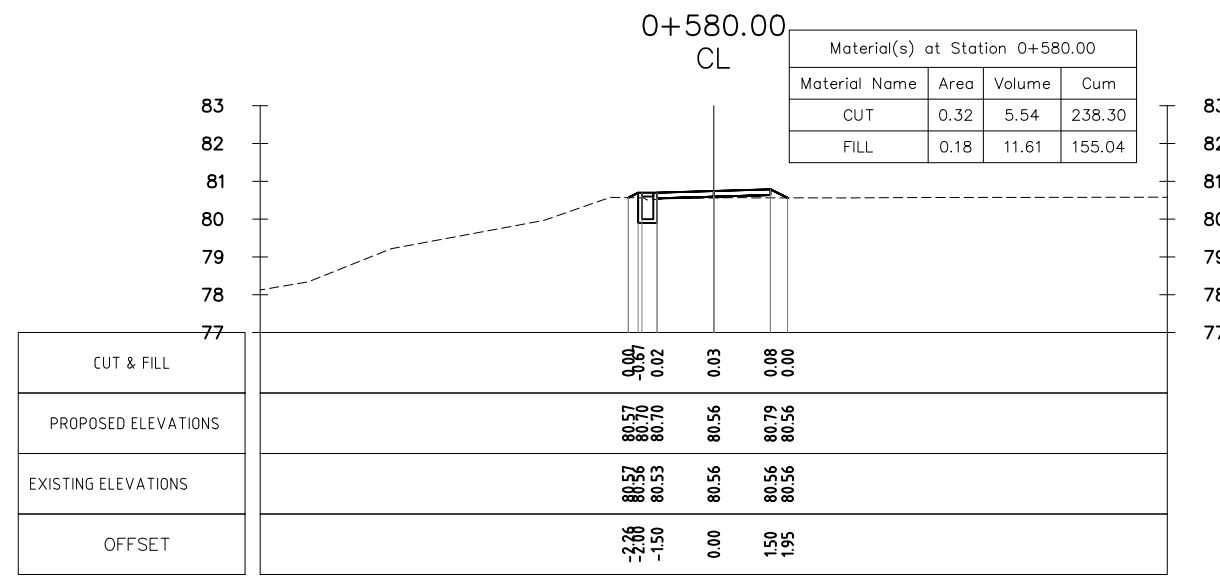
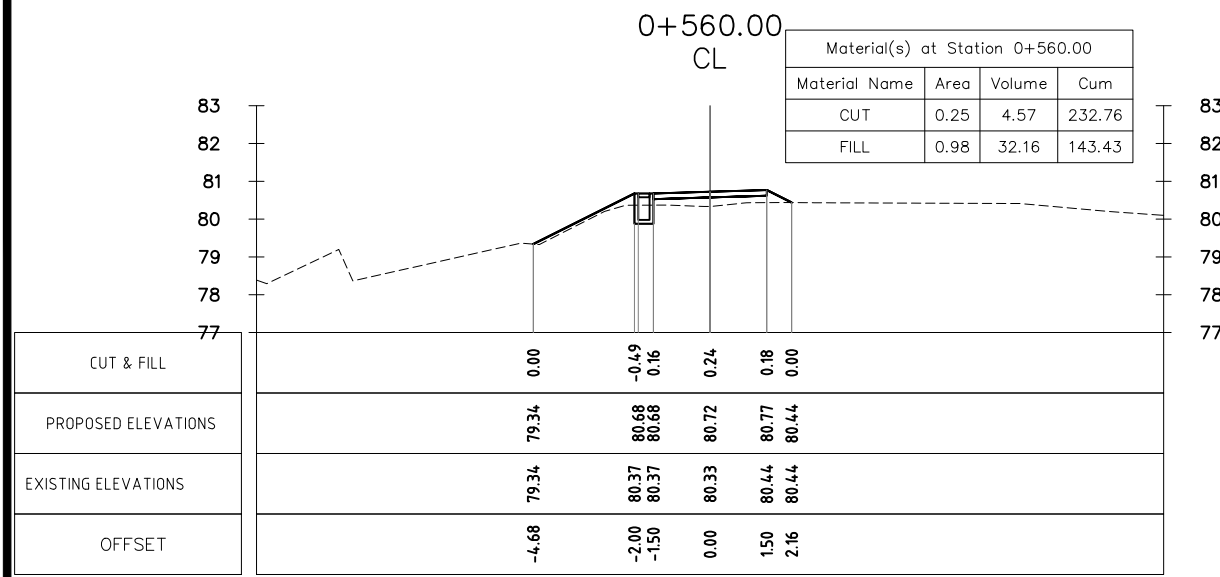



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 0+360-0+460

SCALE IN A3: 1/200      DATE : \_\_\_\_\_      DRAWING No. : \_\_\_\_\_

LAO - NKS      C-47



REVISION:		
No.	Description	Date
A	Road Cross-Section	12-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:  
DATE:

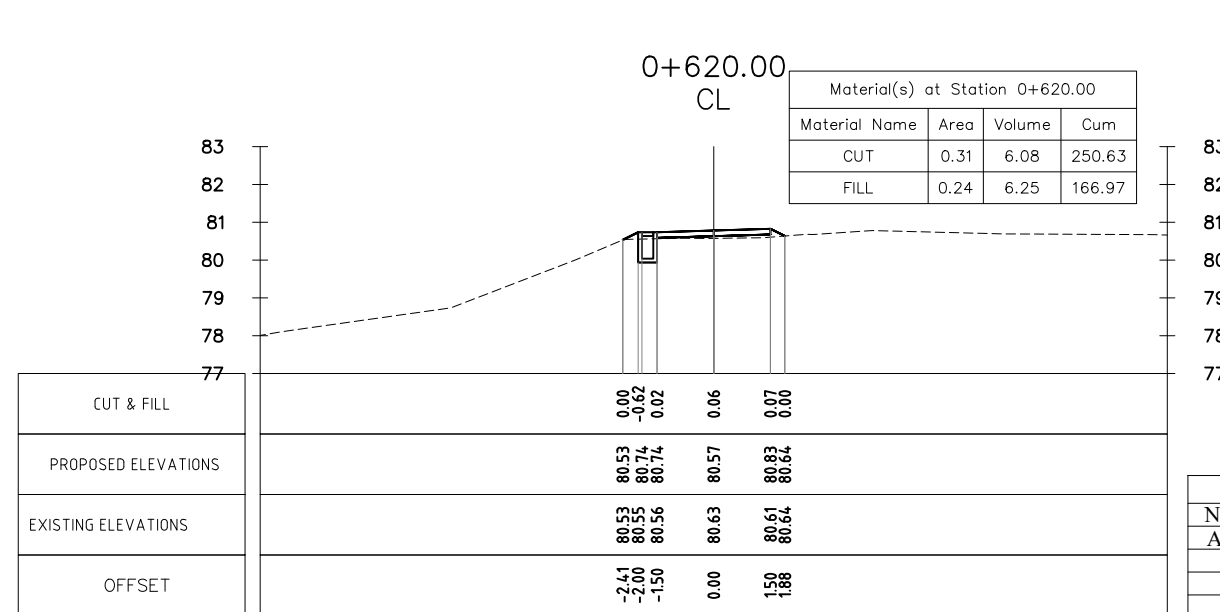
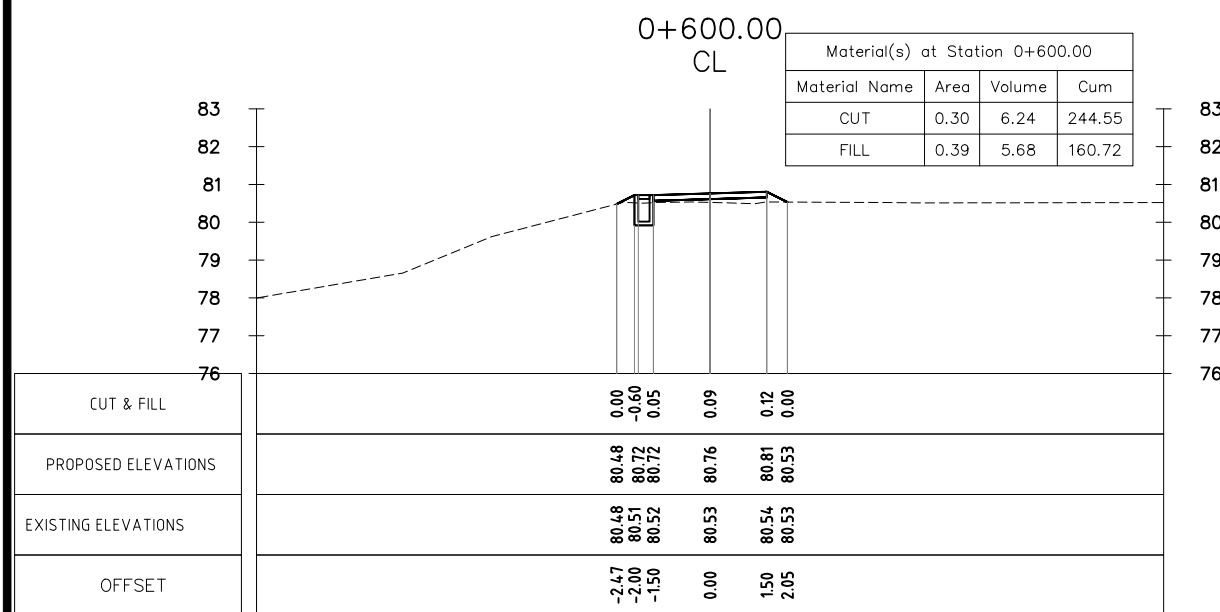
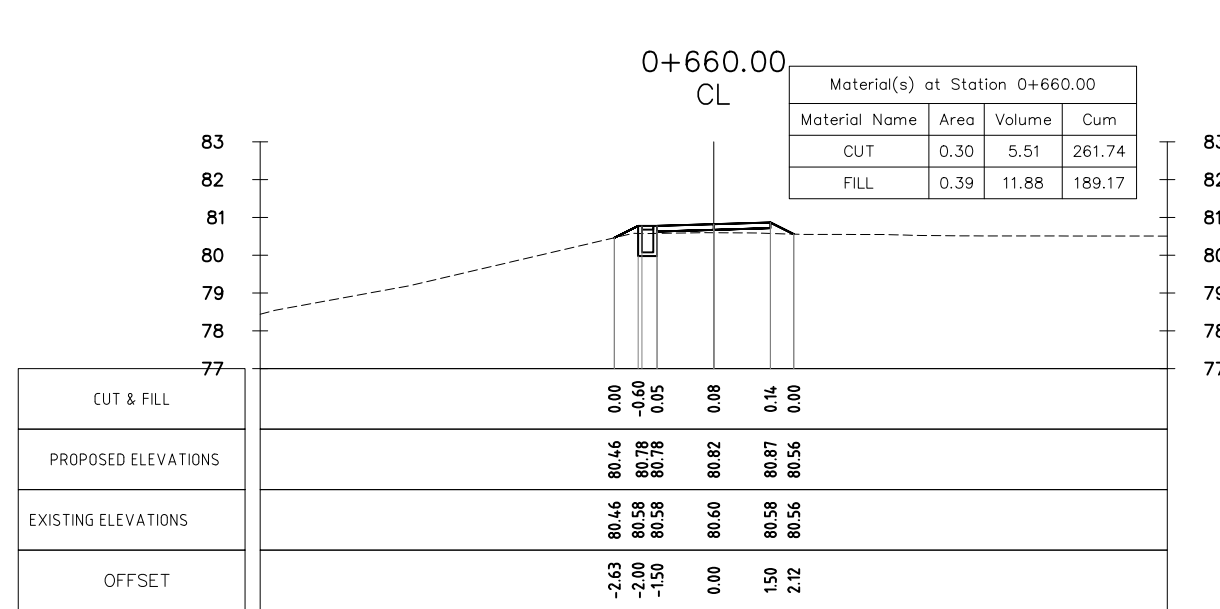
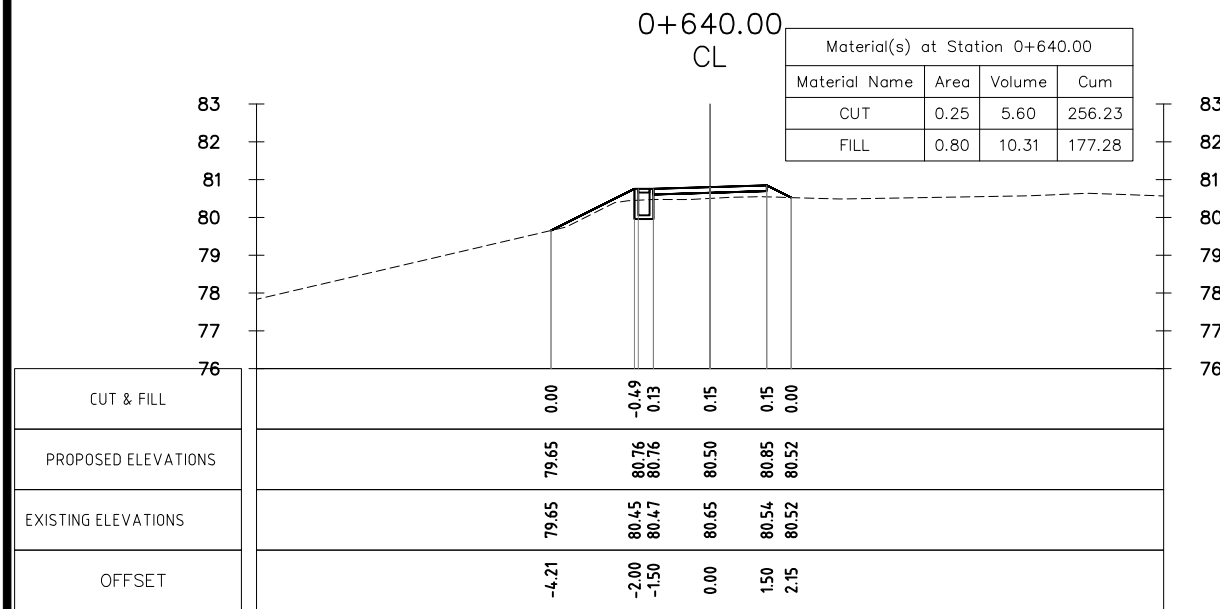
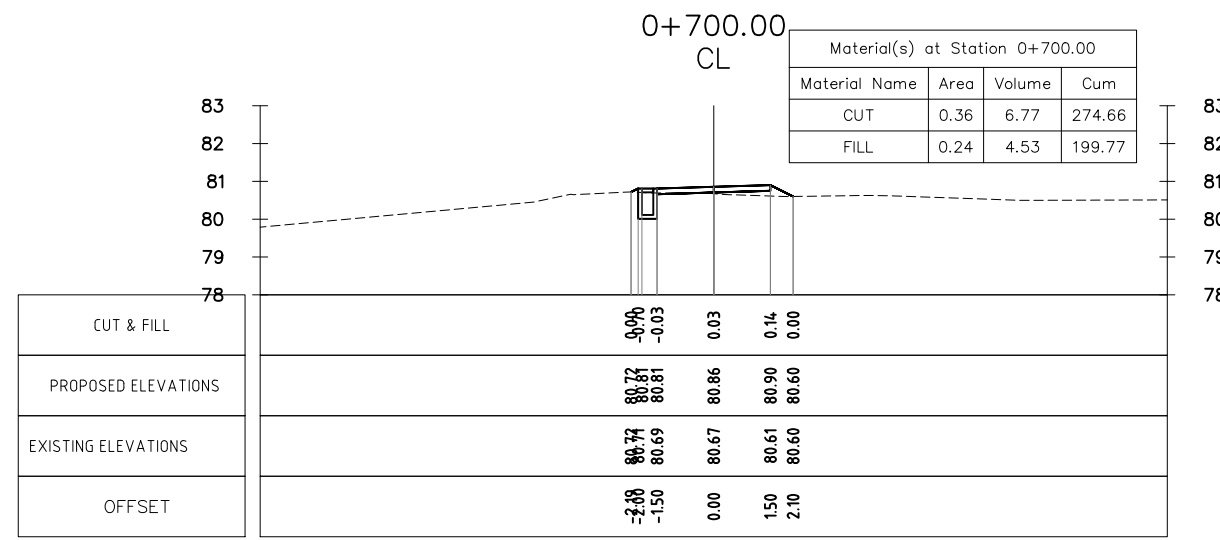
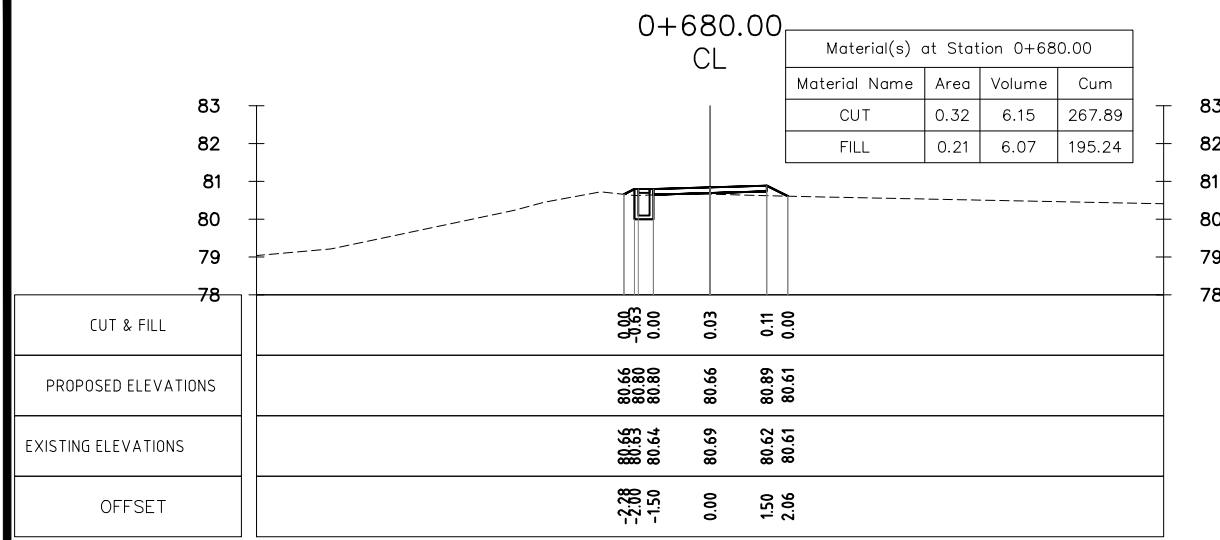
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 0+480-0+580			
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-48





REVISION:		
No.	Description	Date
A	Road Cross-Section	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

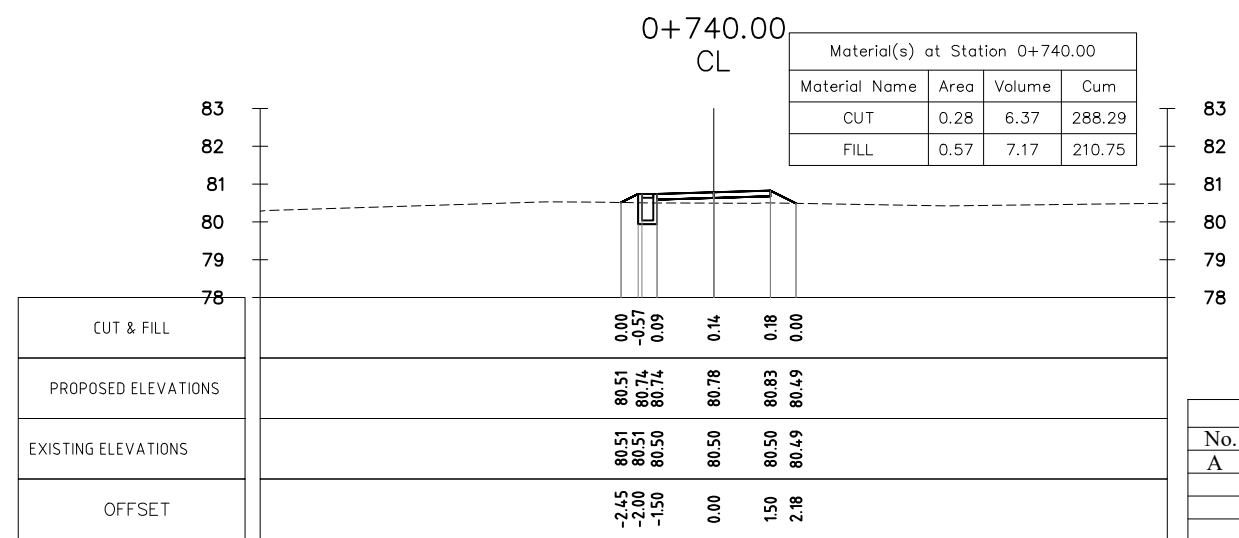
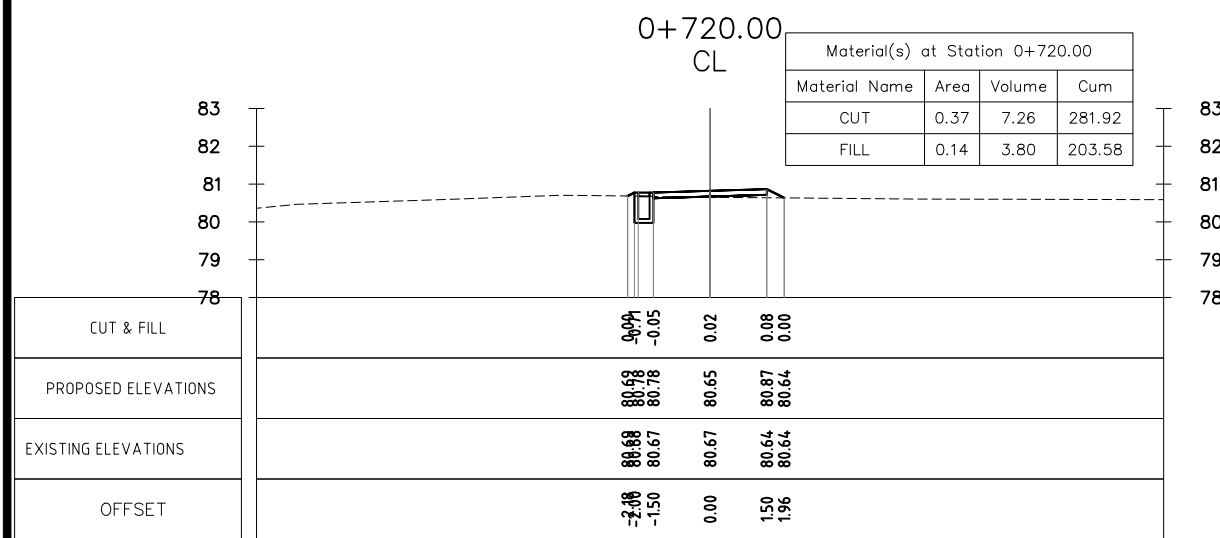
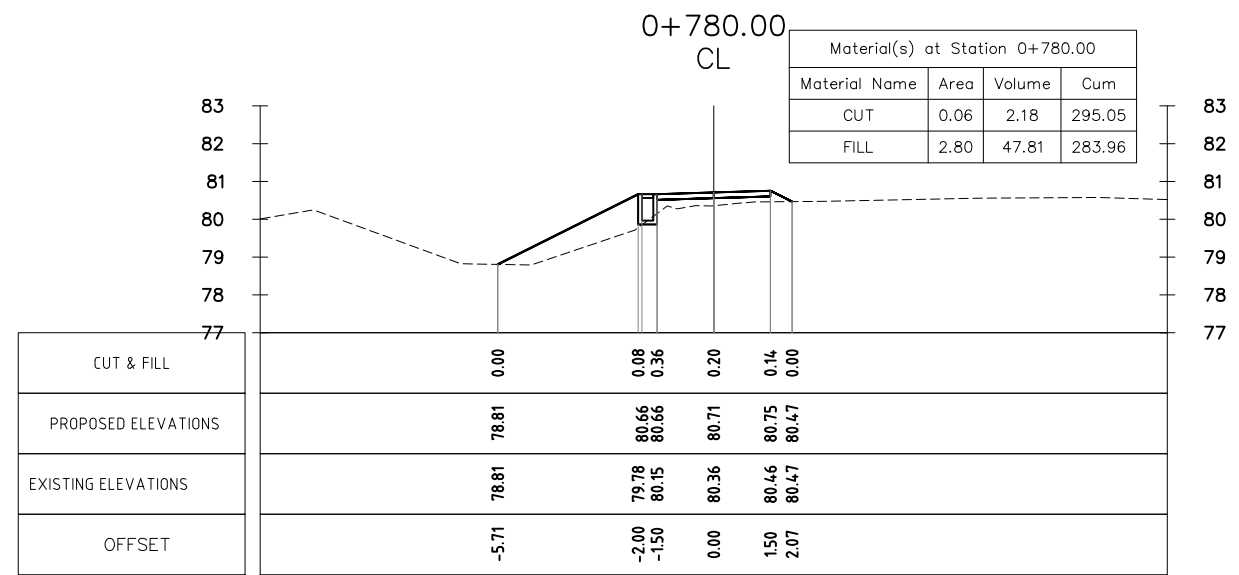
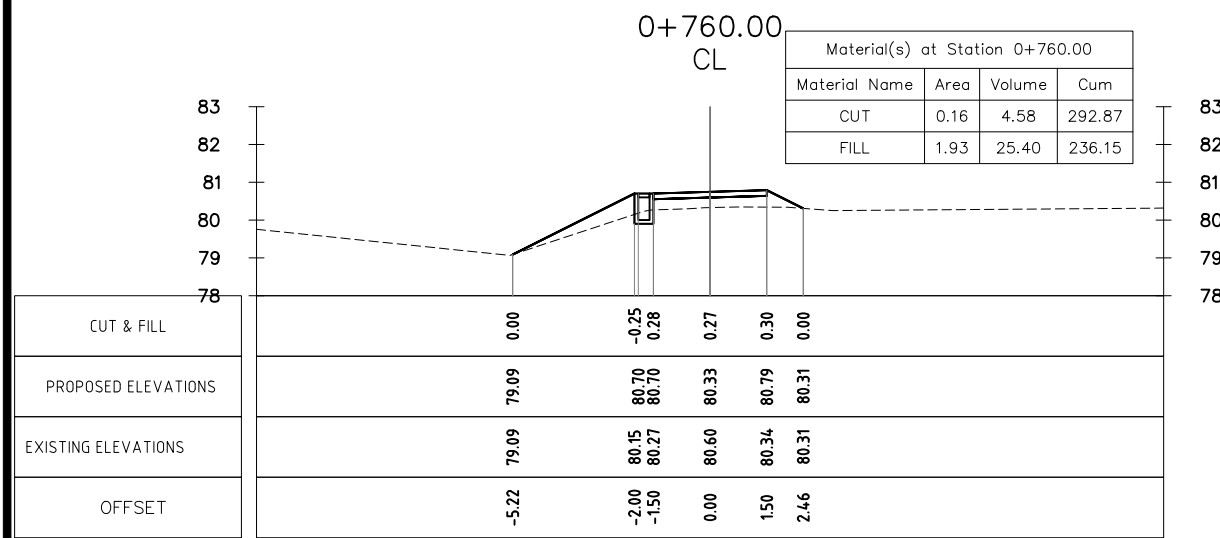
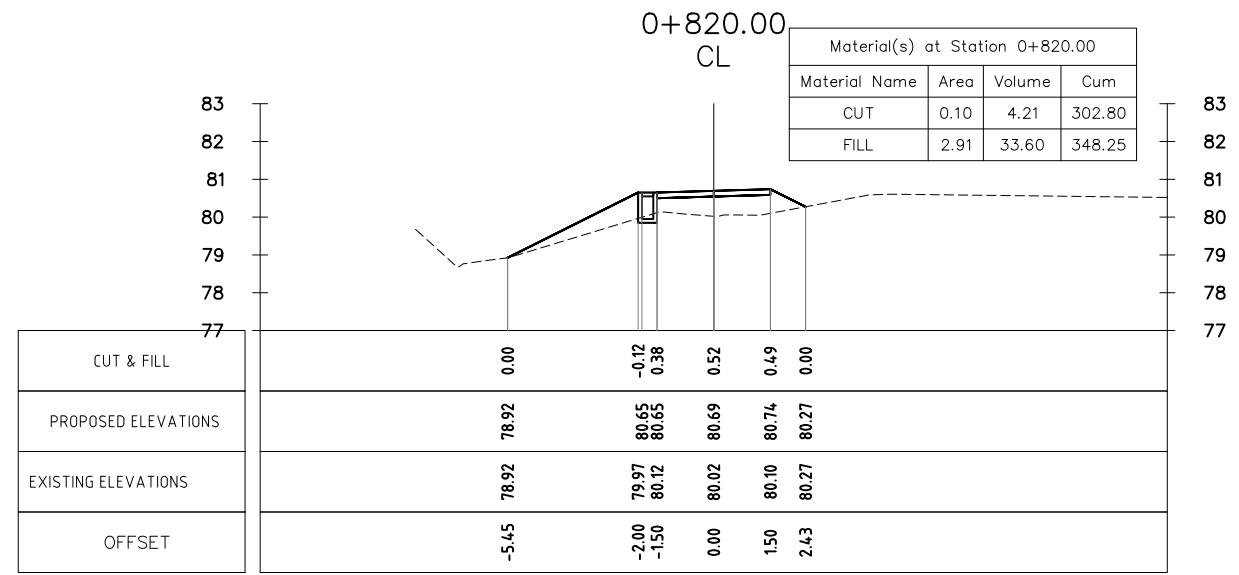
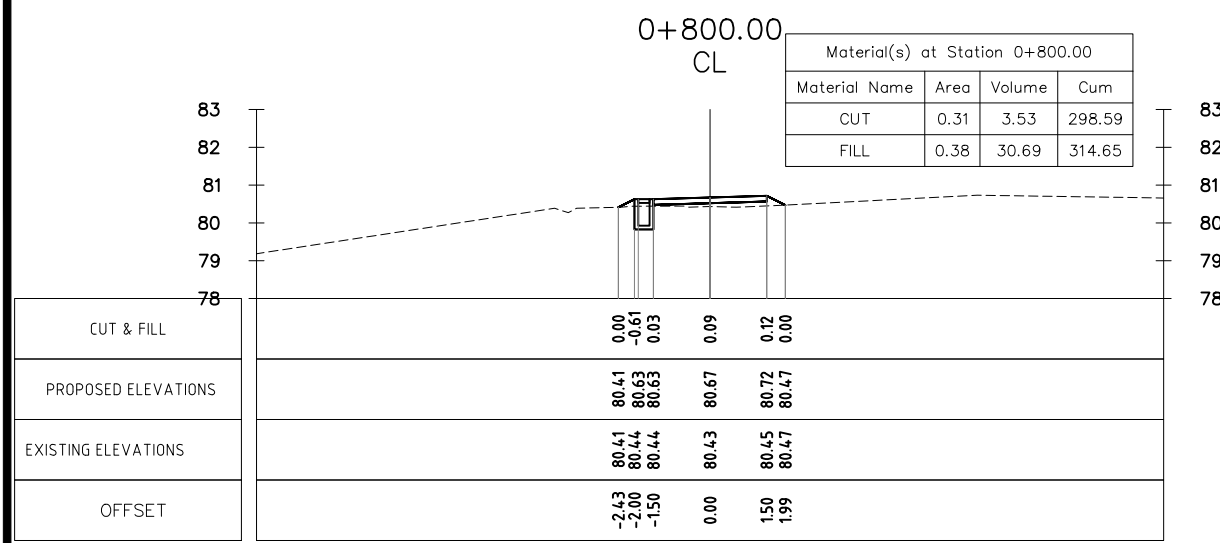


ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 0+600-0+700			
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-49



REVISION:		
No.	Description	Date
A	Road Cross-Section	12-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

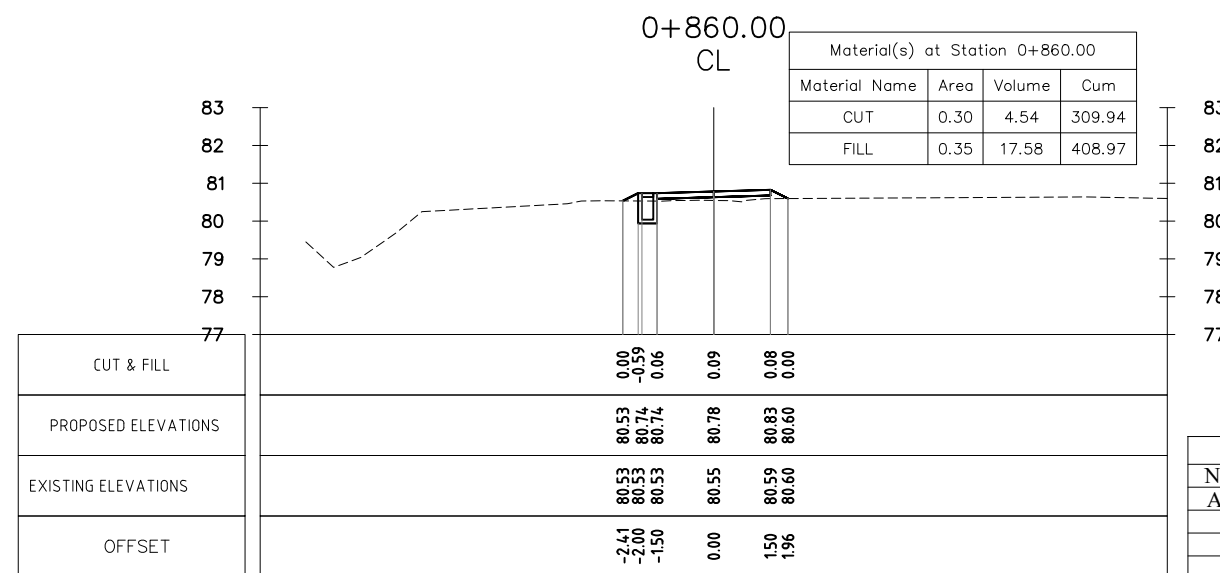
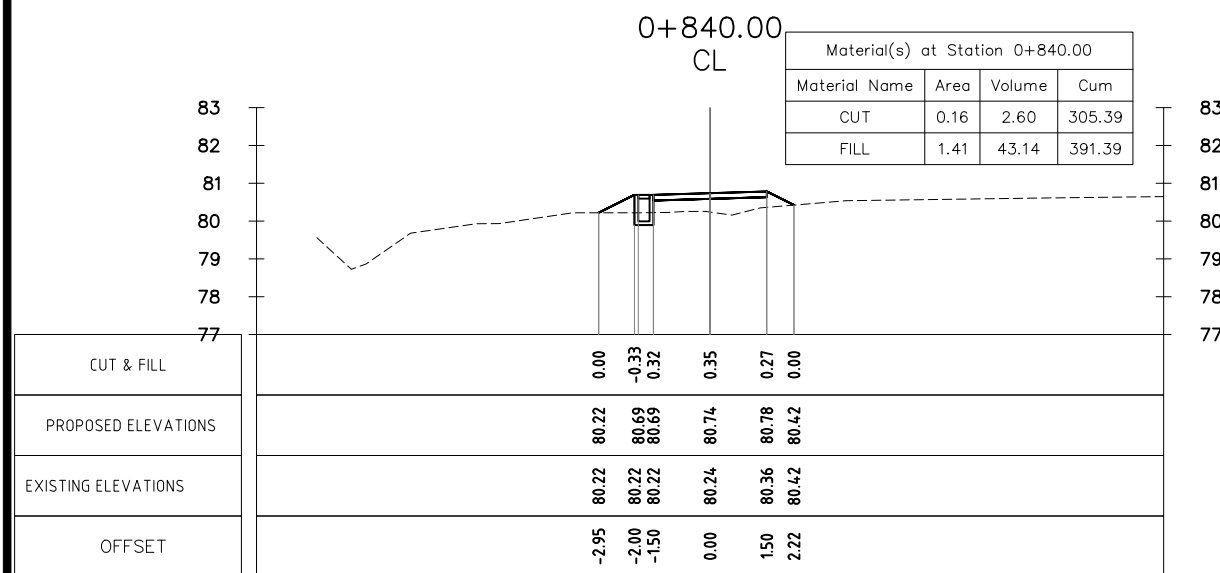
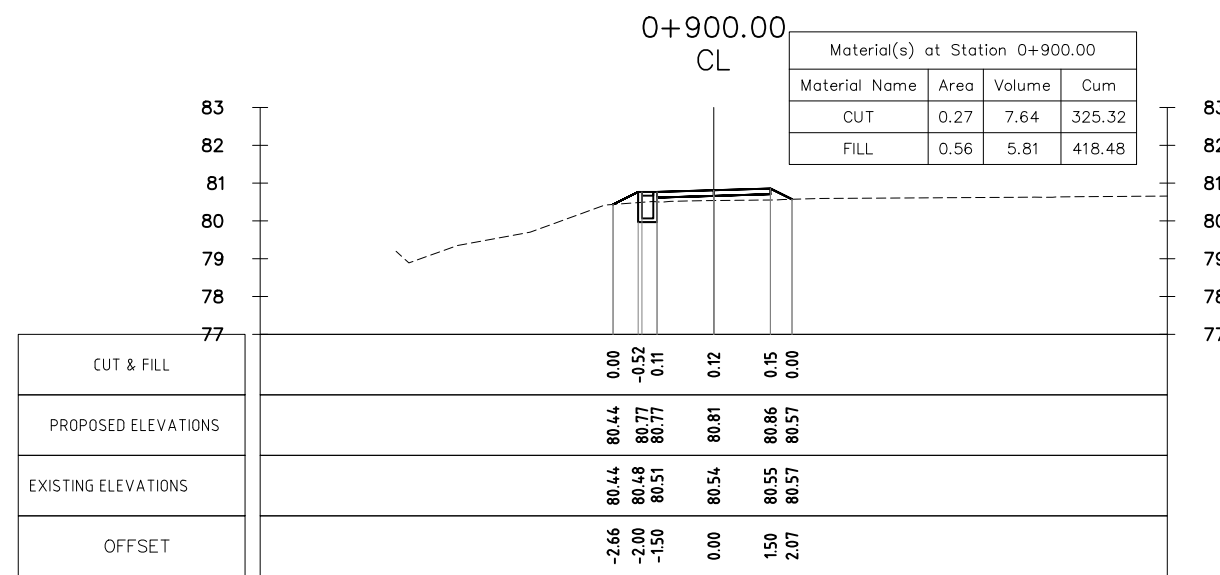
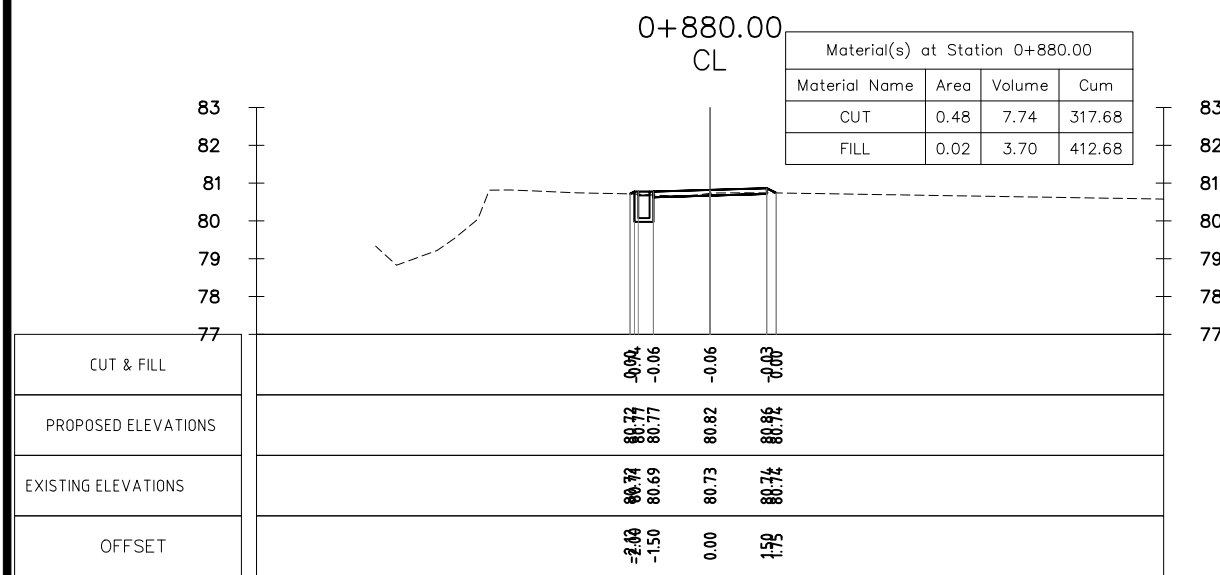
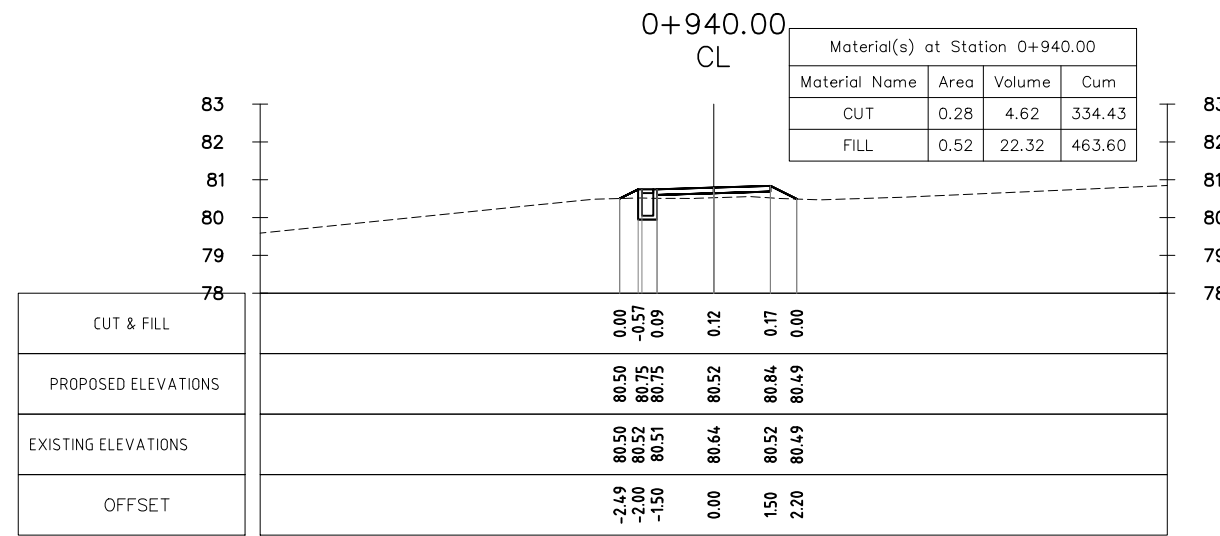
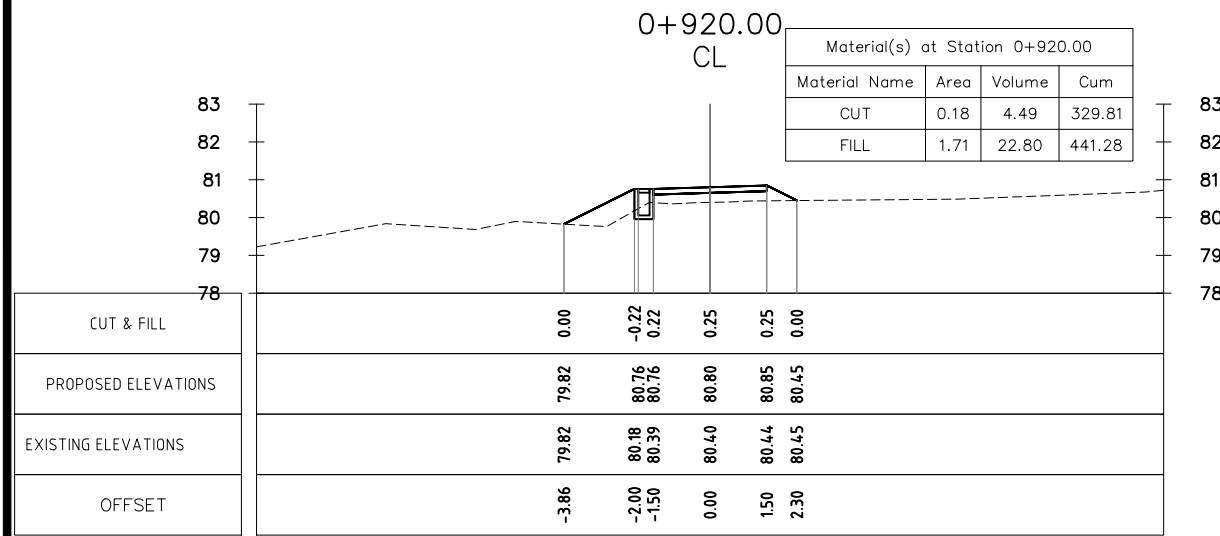
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 0+720-0+820

SCALE IN A3: 1/200      DATE: \_\_\_\_\_      DRAWING No.: LAO - NKS      C-50



REVISION:		
No.	Description	Date
A	Road Cross-Section	12-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

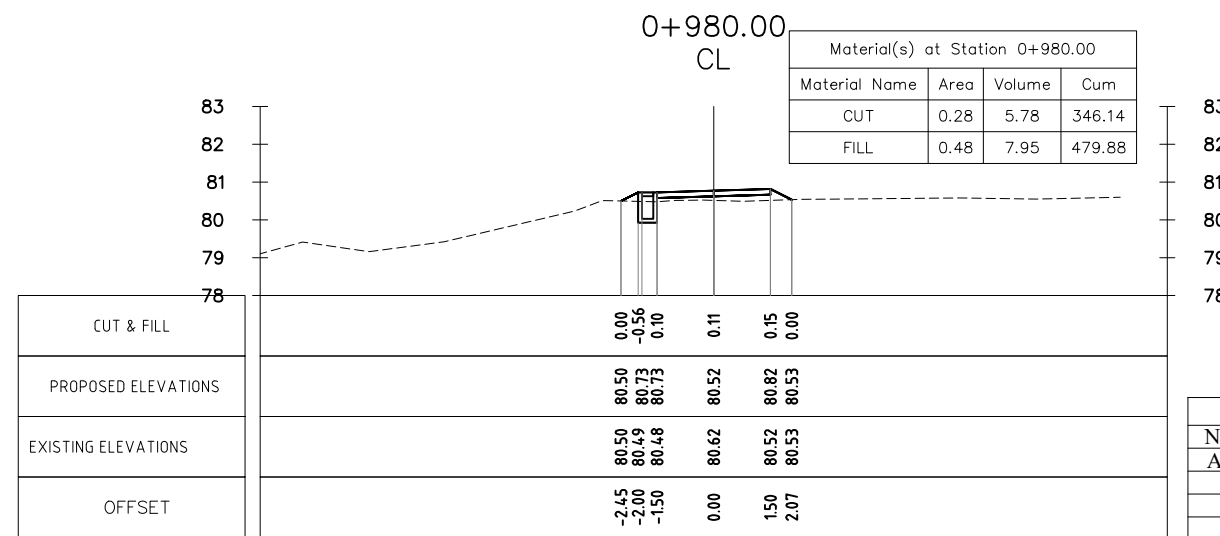
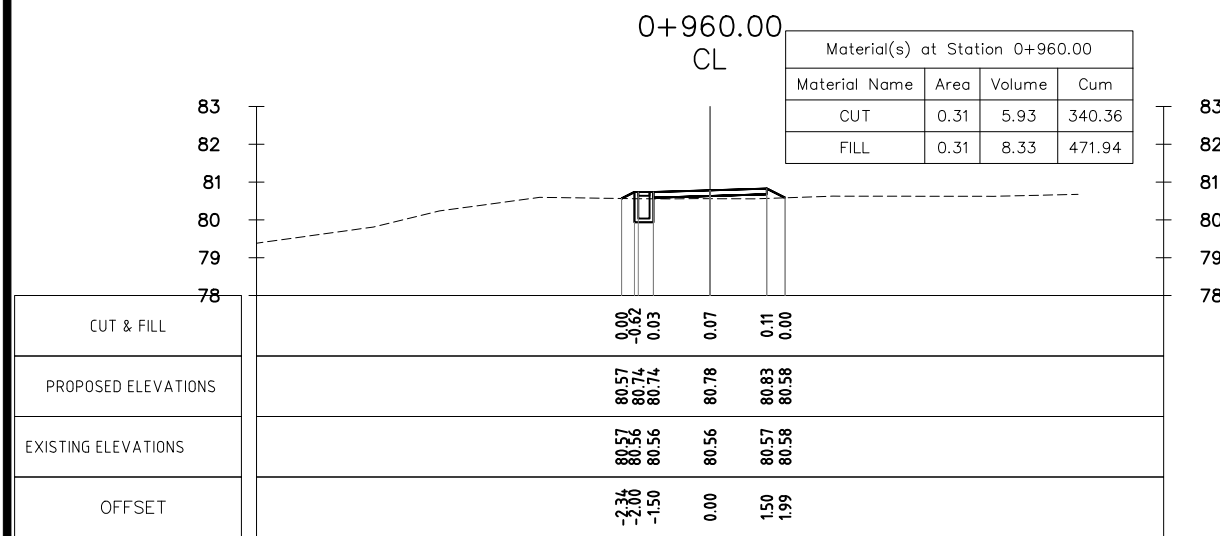
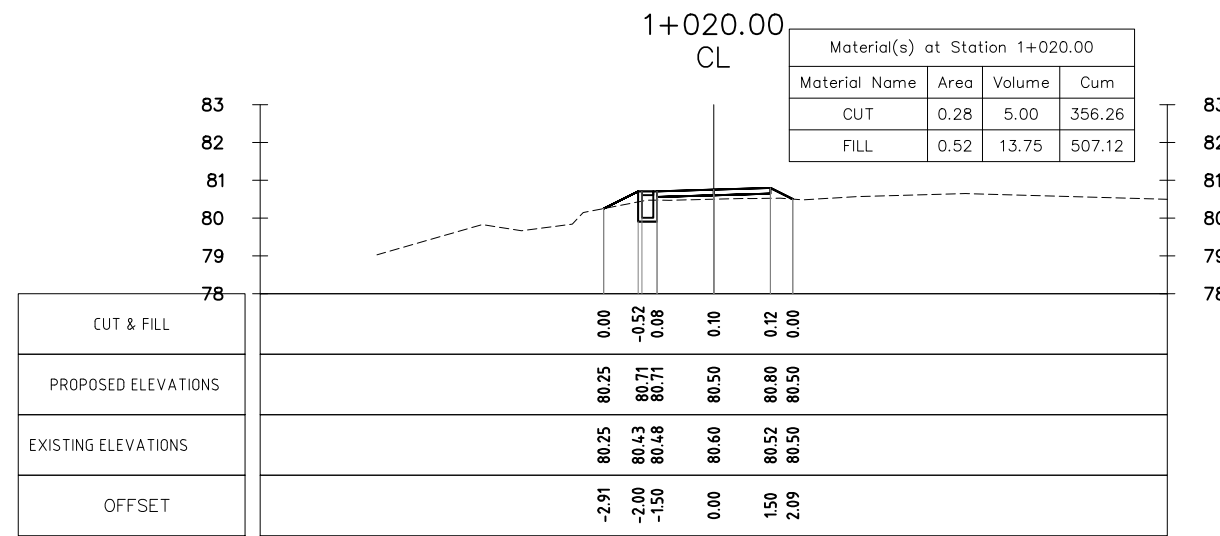
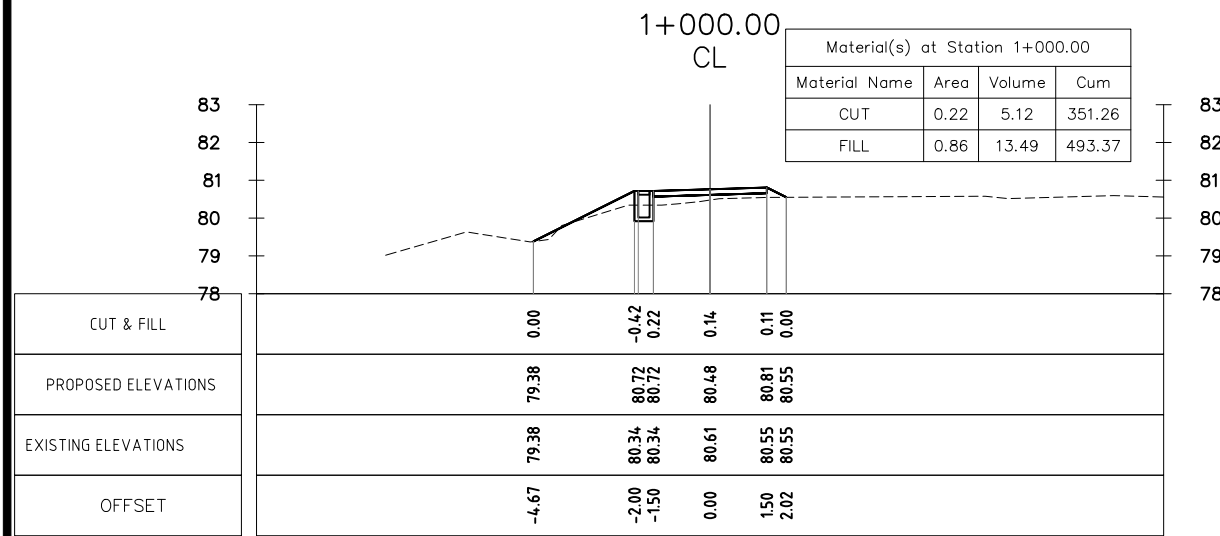
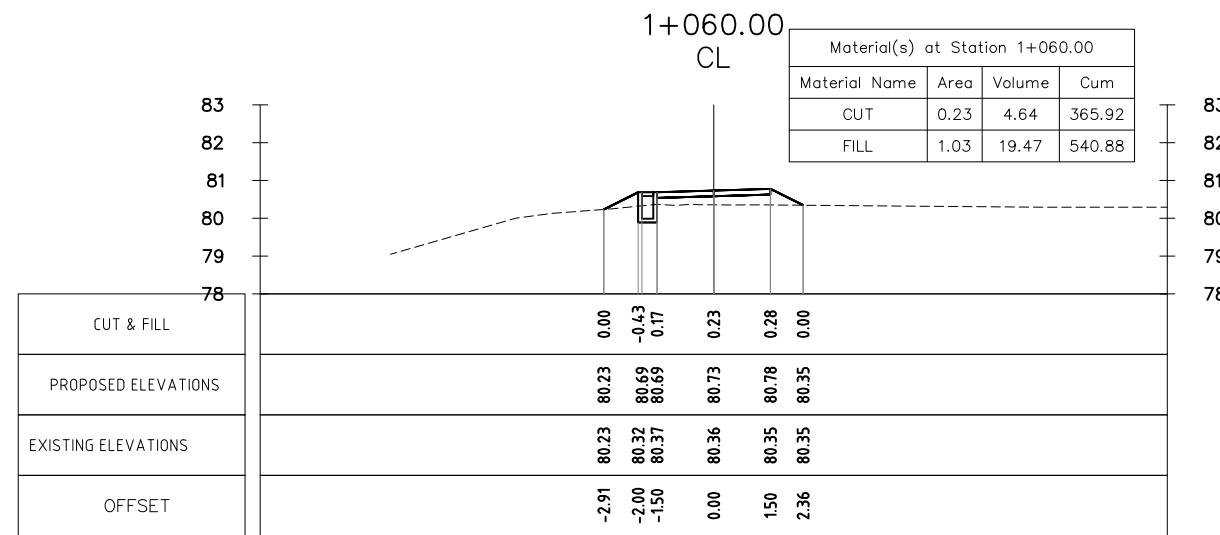
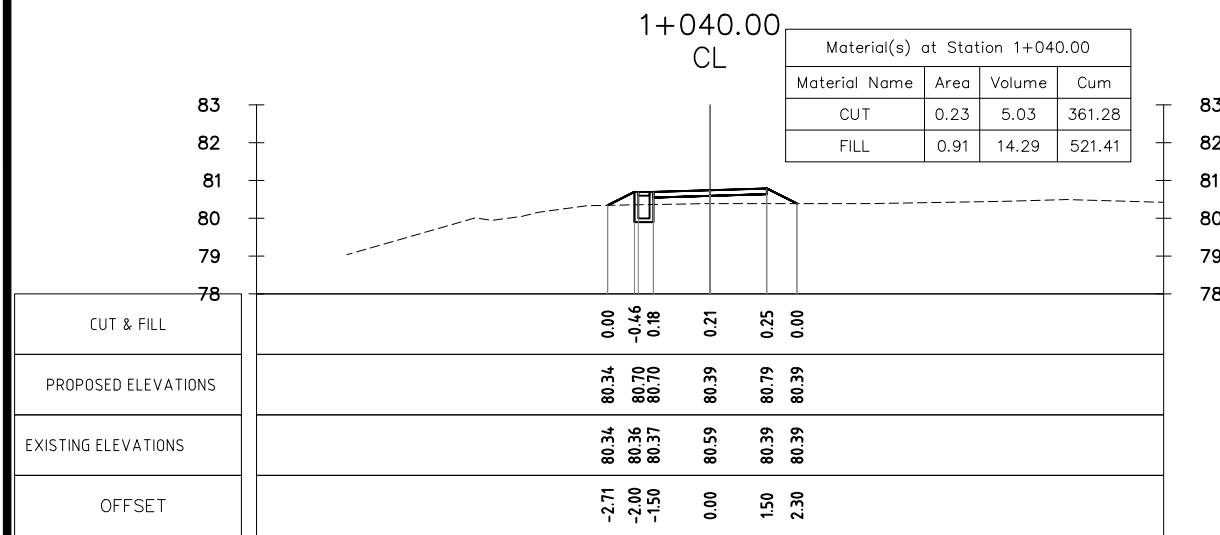
TITLE:  
DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
DRAWING TITLE: ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 0+840-0+940  
SCALE IN A3: 1/200  
DATE:  
DRAWING No.: LAO - NKS  
C-51



REVISION:		
No.	Description	Date
A	Road Cross-Section	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

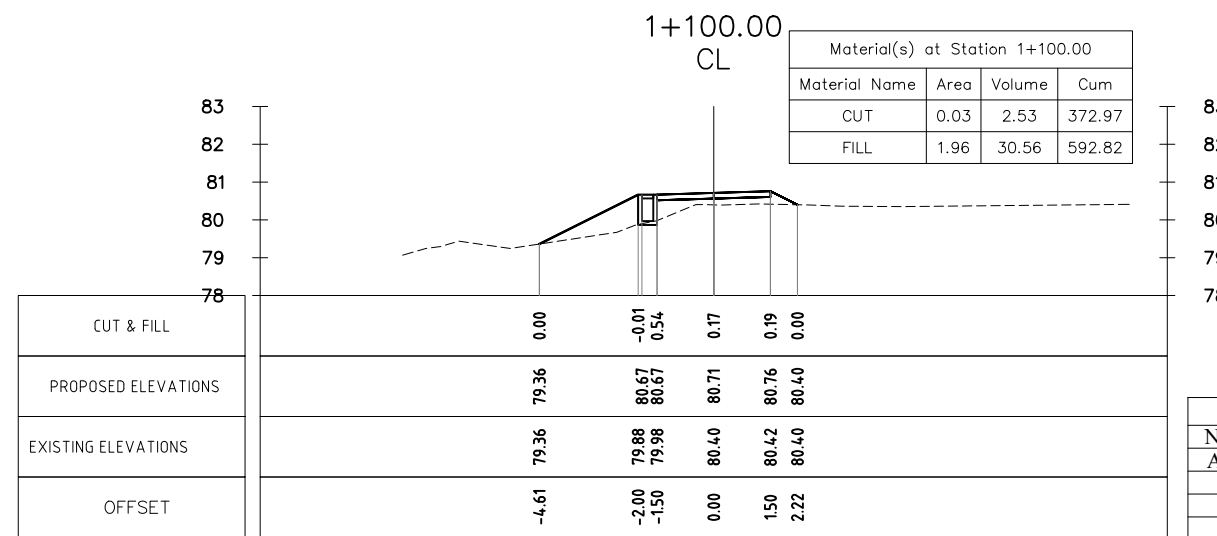
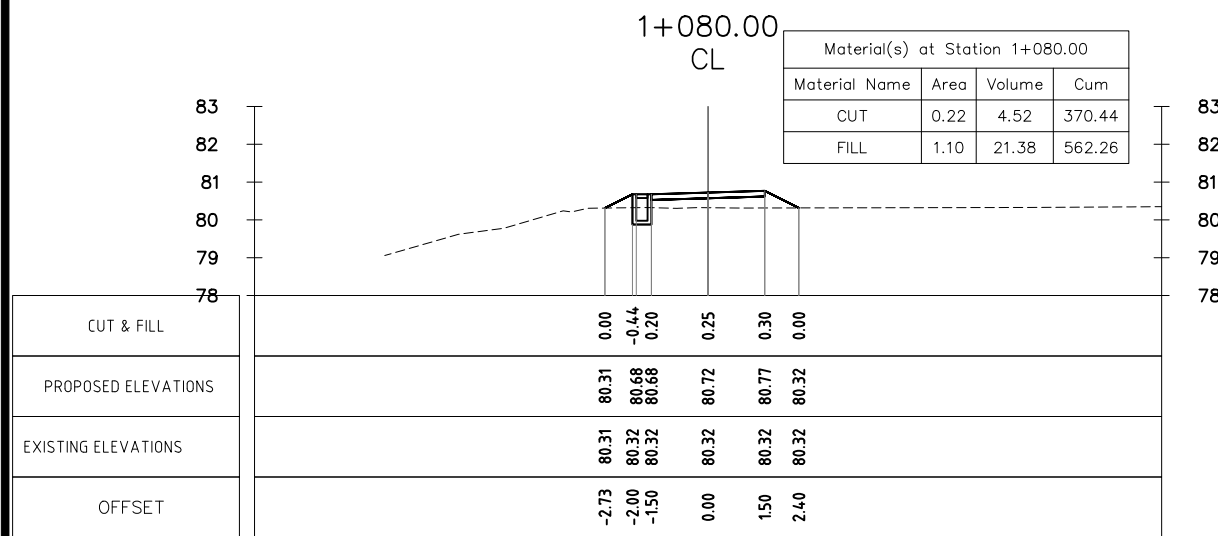
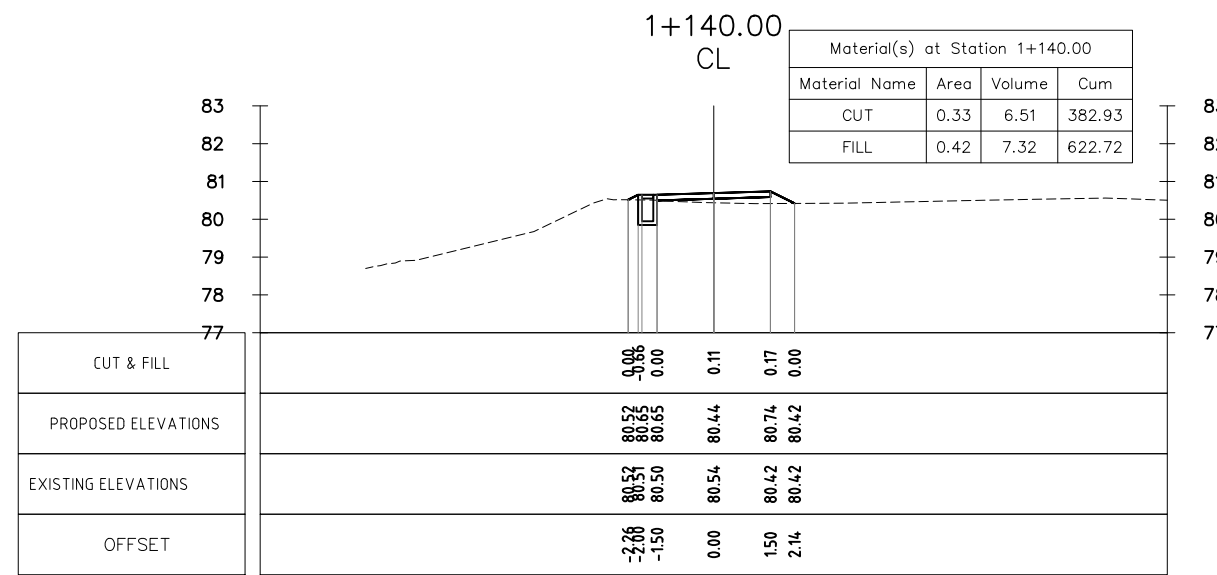
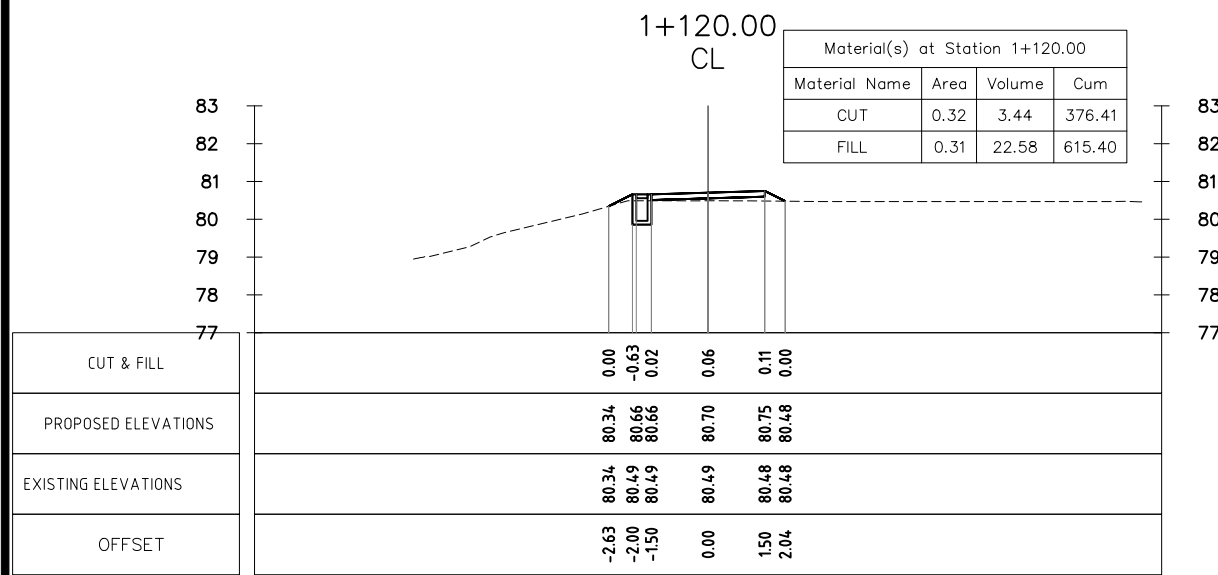
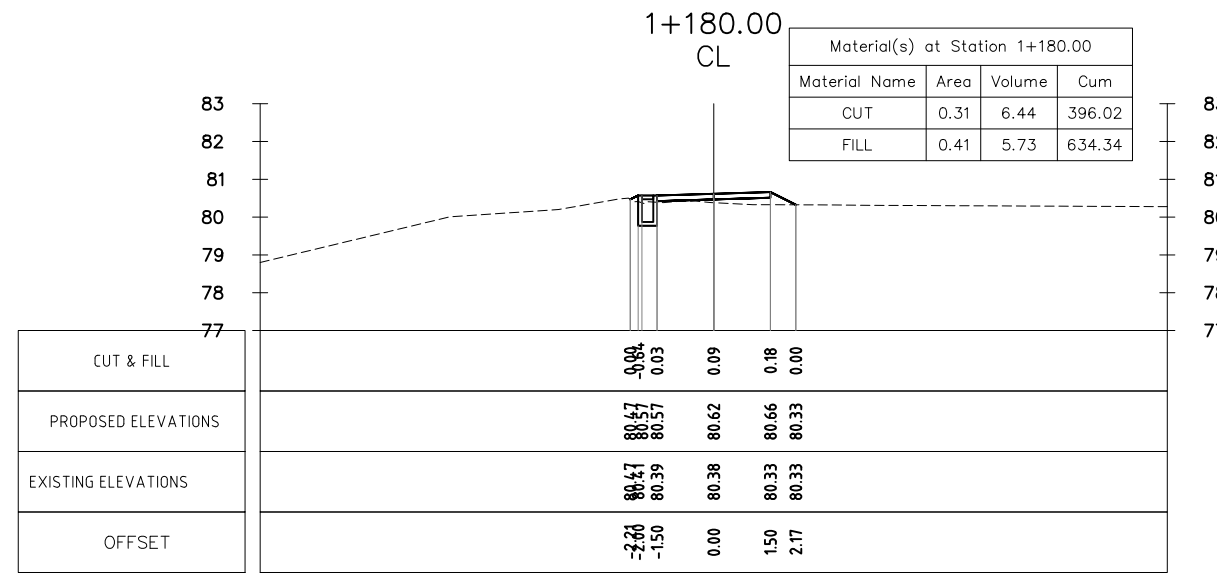
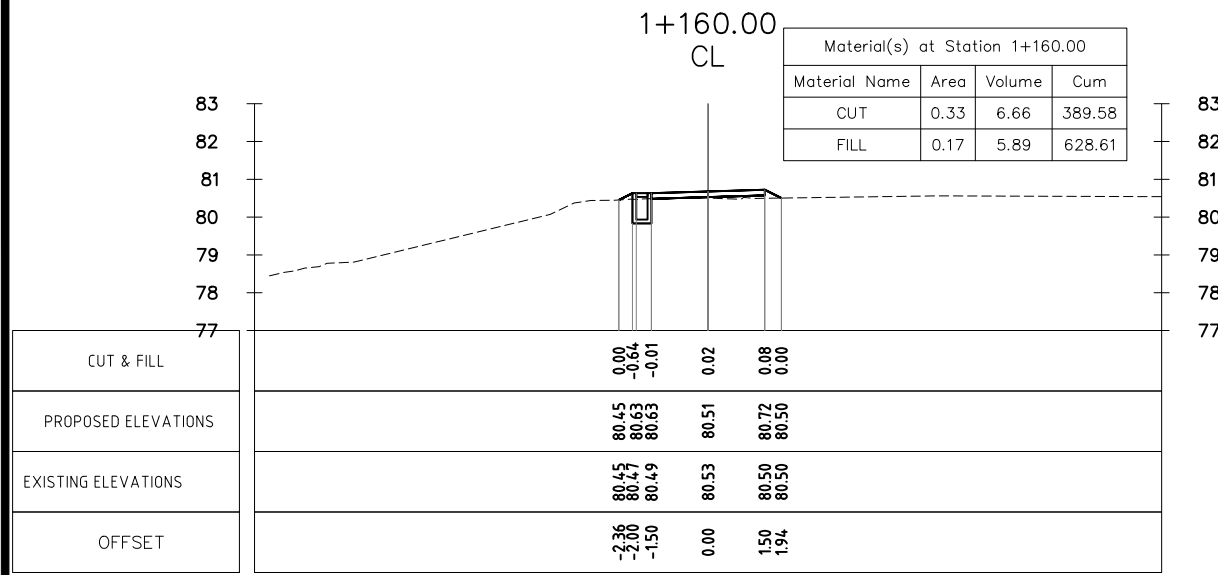
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 0+960-1+060

SCALE IN A3: 1/200      DATE :      DRAWING No. : LAO - NKS      C-52



REVISION:		
No.	Description	Date
A	Road Cross-Section	12-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:  
DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

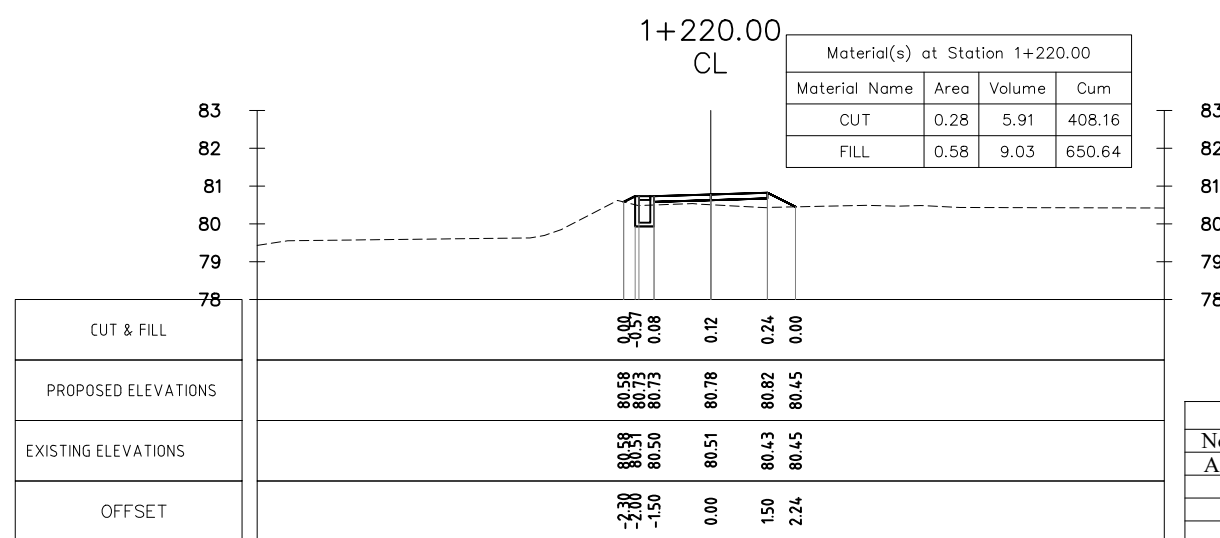
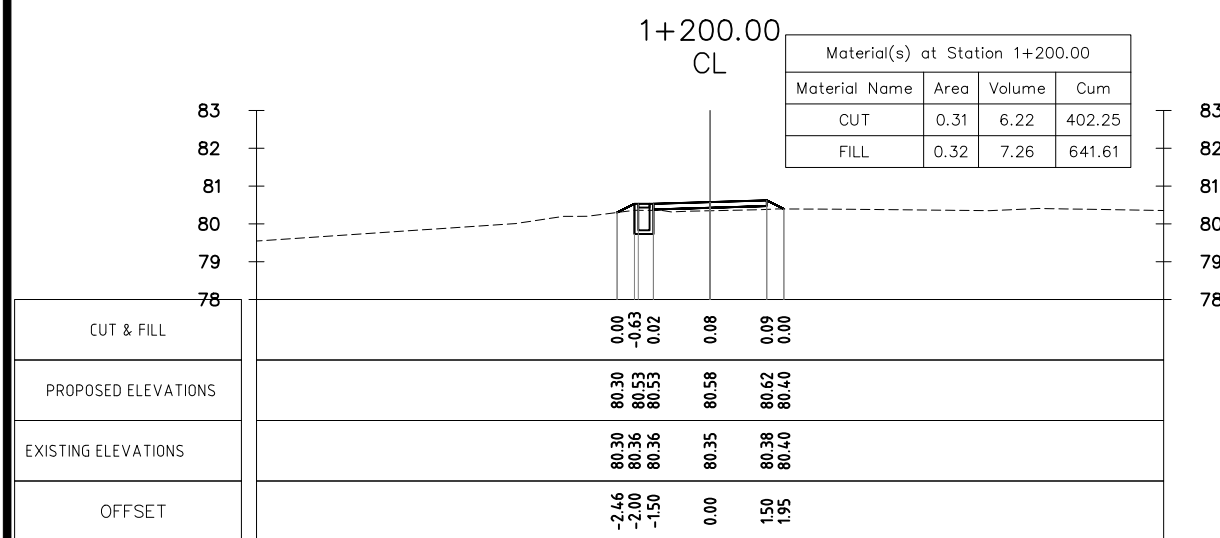
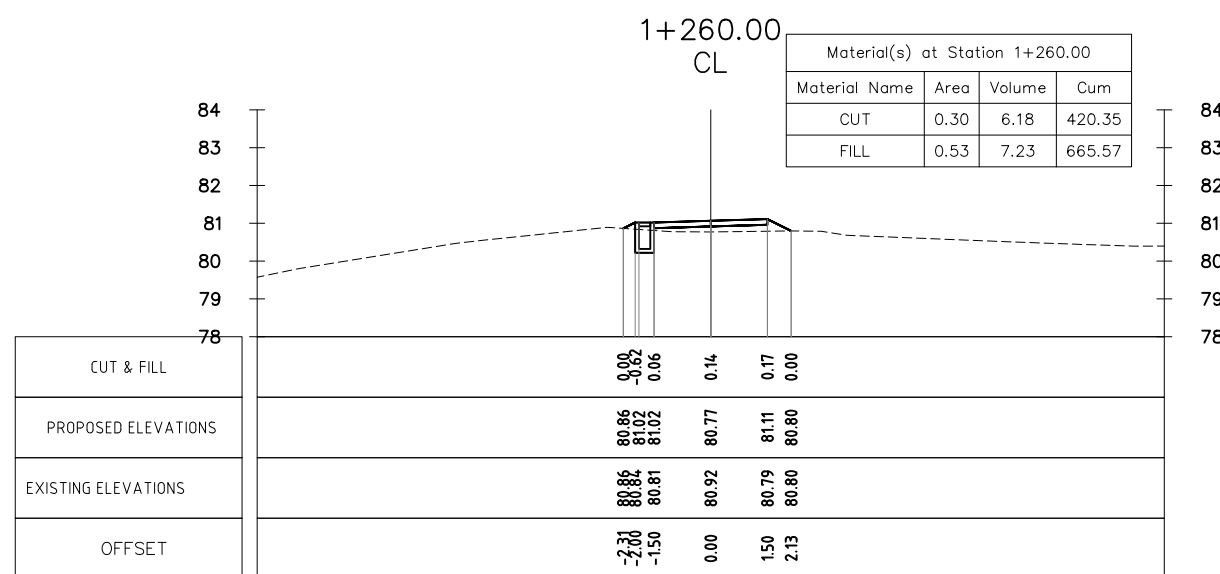
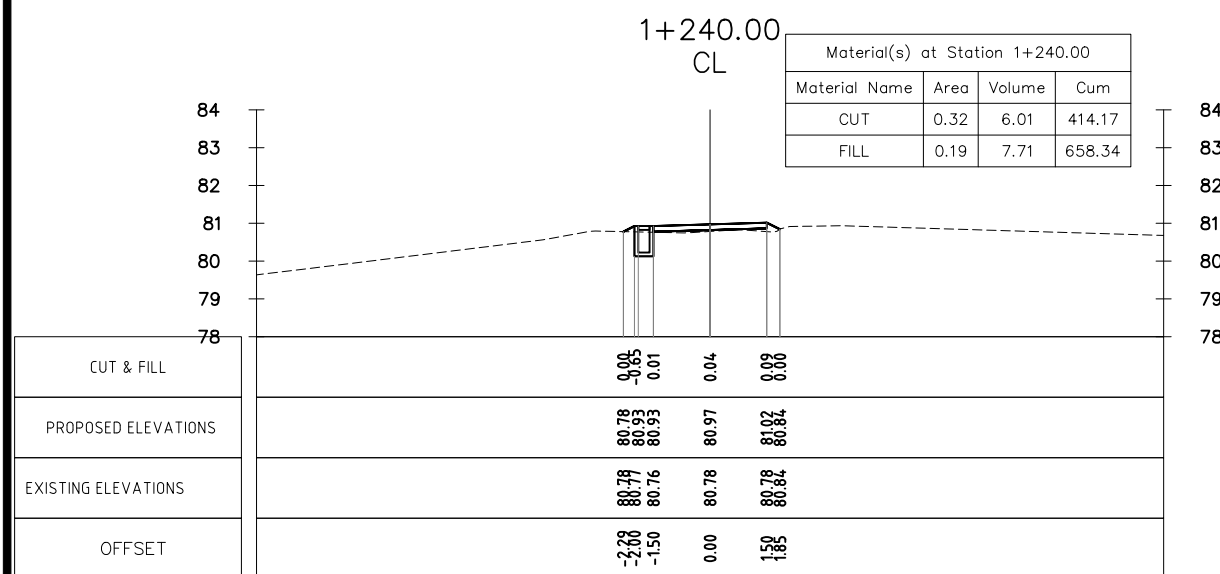
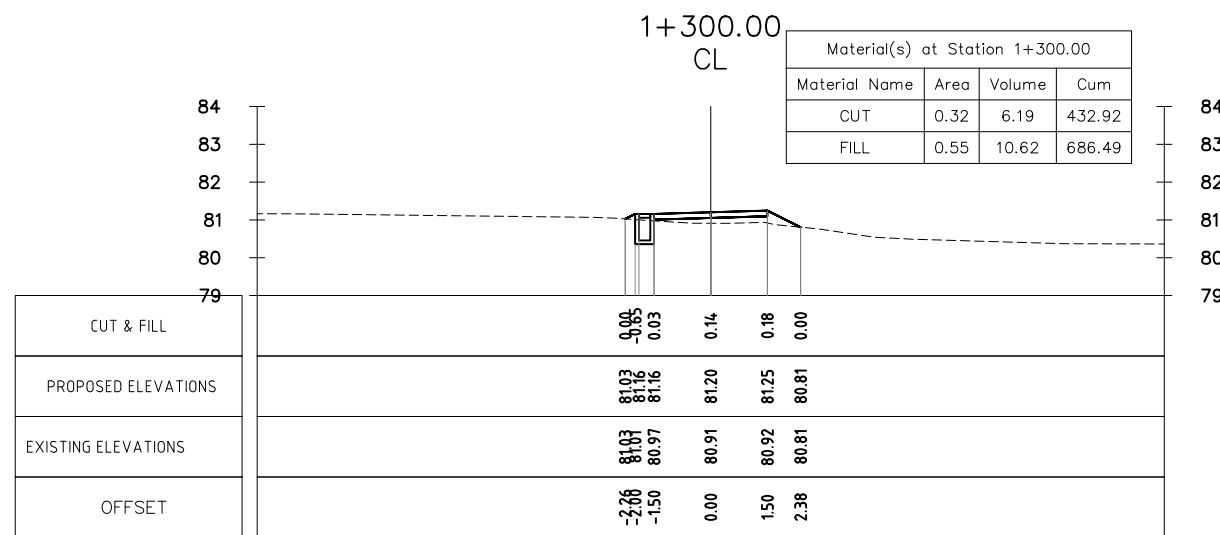
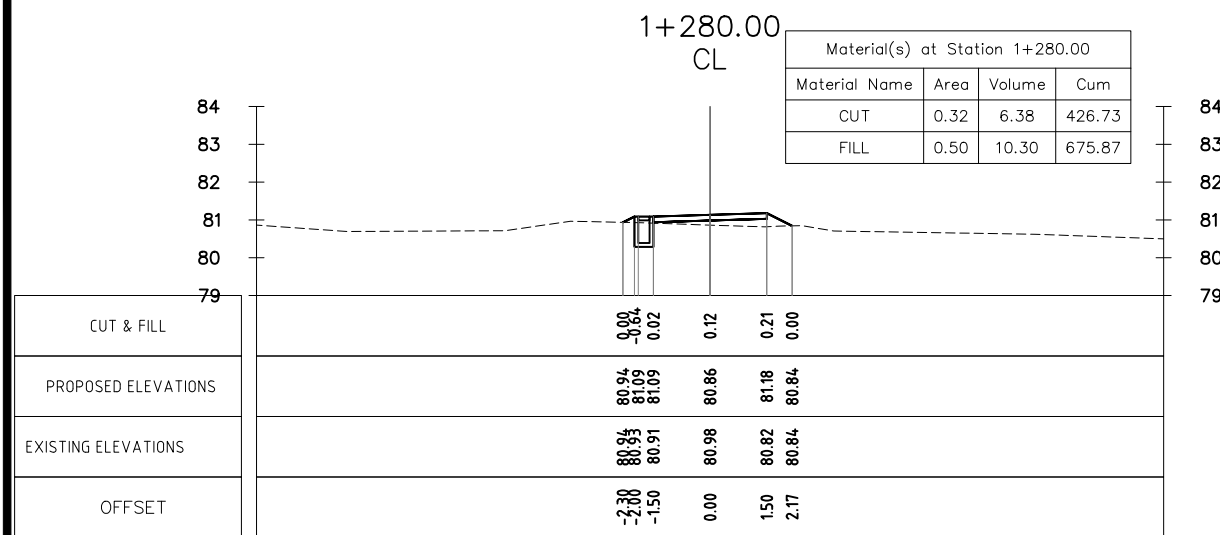
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 1+080-1+180

SCALE IN A3: 1/200      DATE :      DRAWING No. : LAO - NKS      C-53



REVISION:		
No.	Description	Date
A	Road Cross-Section	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

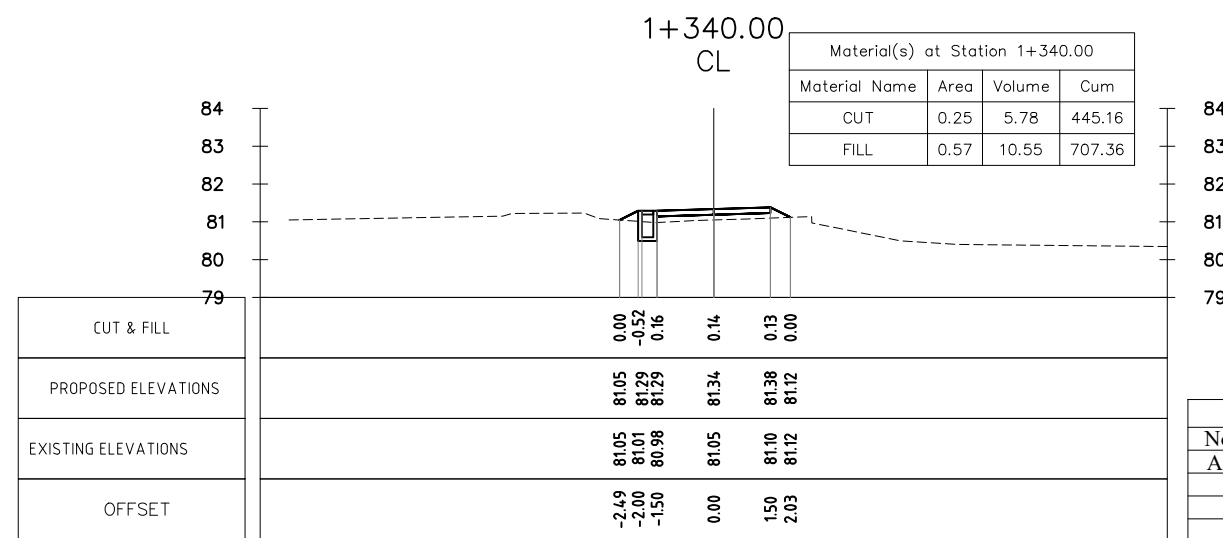
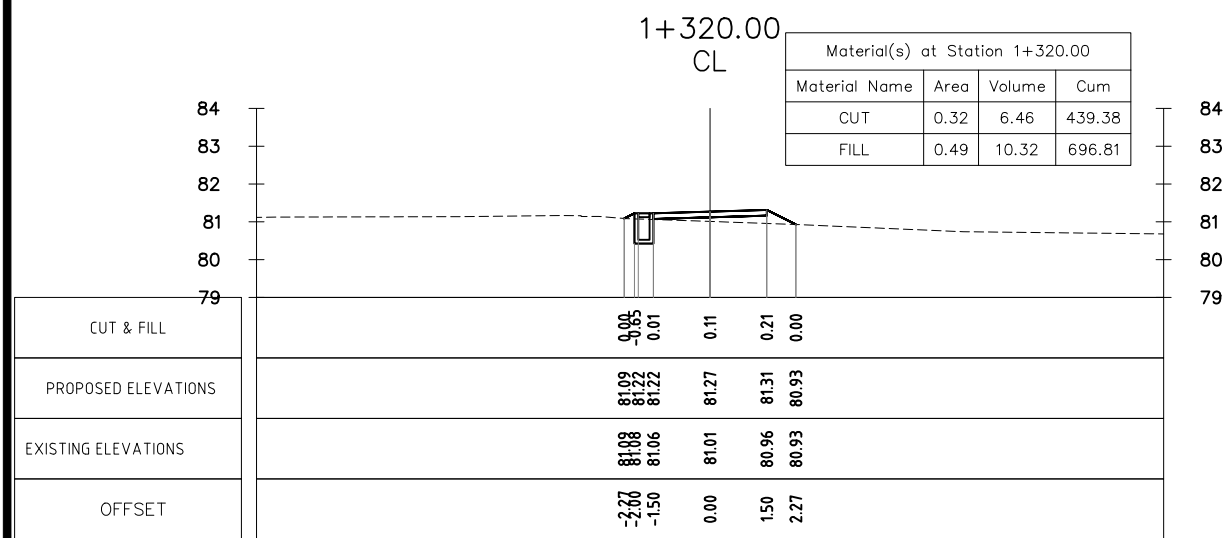
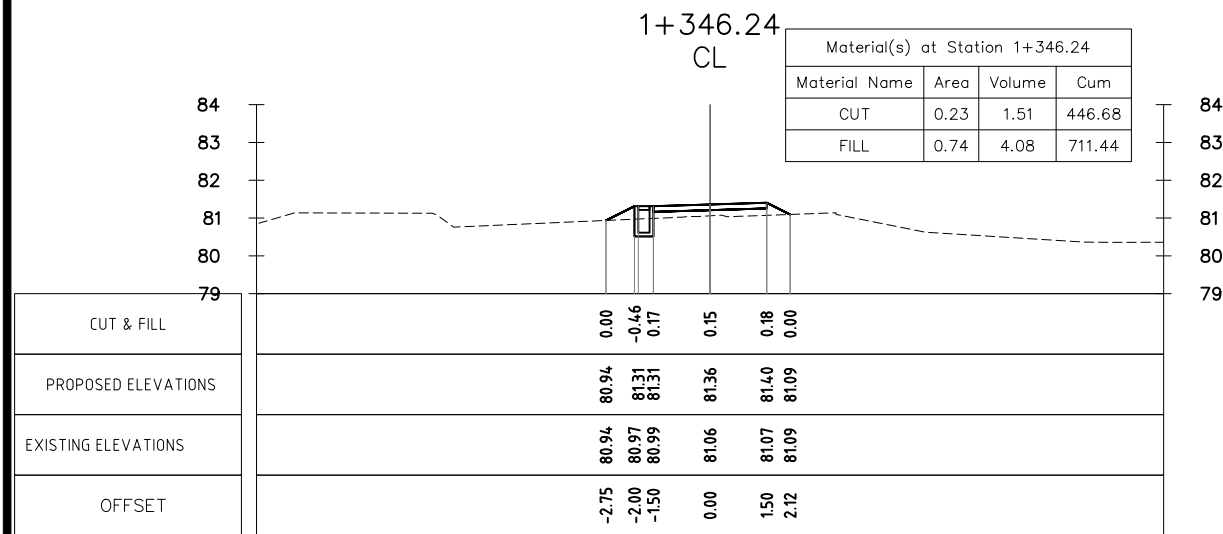
TITLE:  
 DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 1+200-1+300			
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-54



REVISION:		
No.	Description	Date
A	Road Cross-Section	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

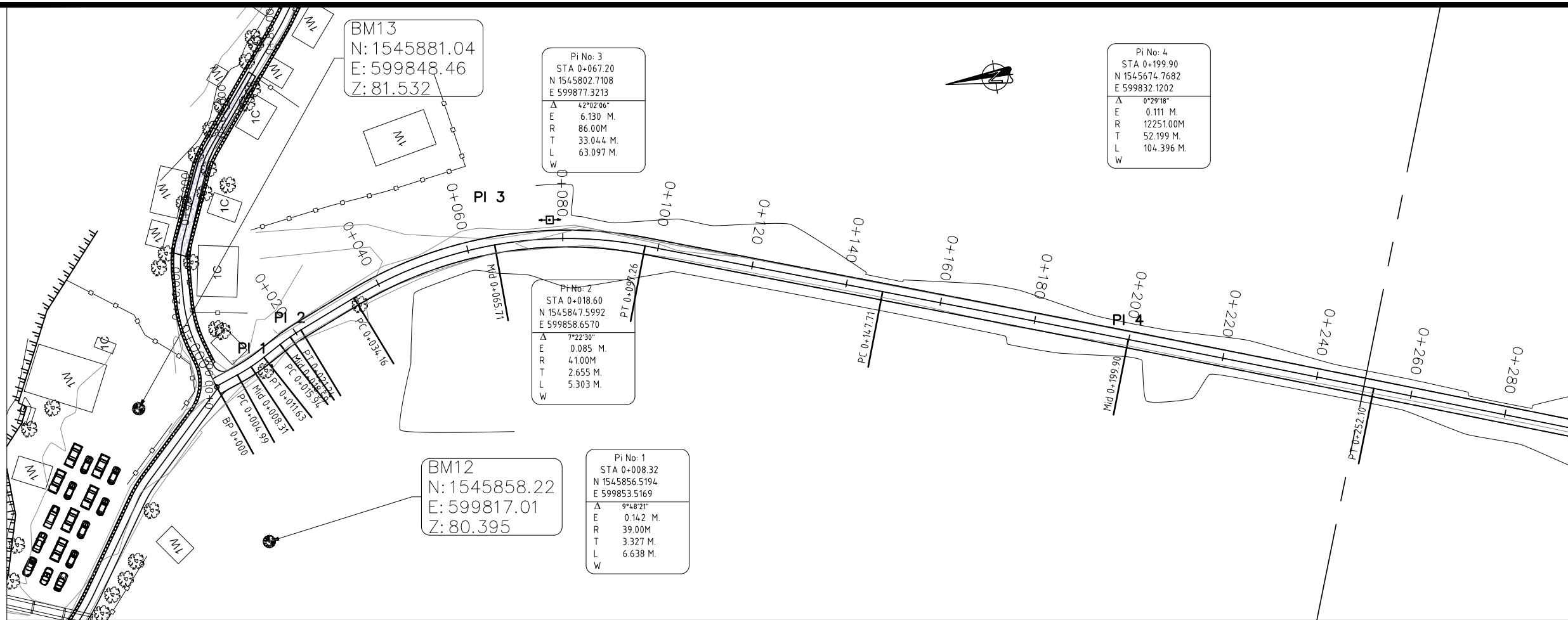


PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL-01) CROSS - SECTION Sta:km 1+320-1+346.24

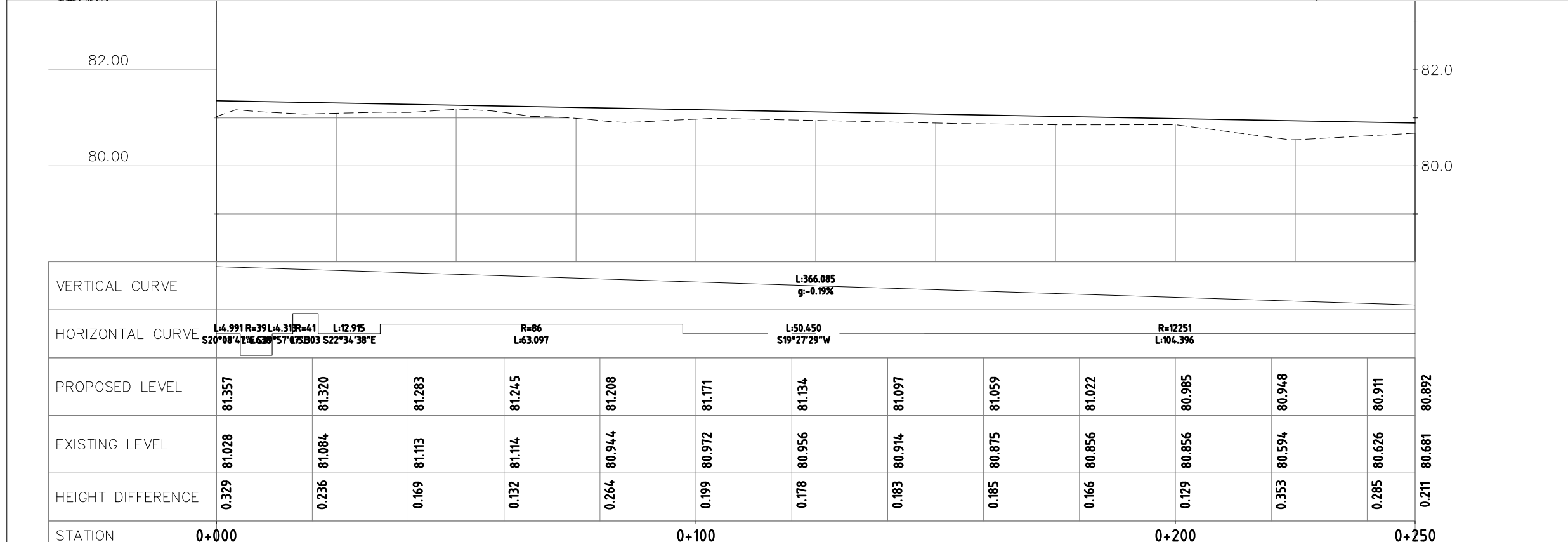
SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-55
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PLAN VIEW



- LEGEND:**
- NORTH DIRECTION
  - CONCRETE BENCH MARK
  - ELECTRIC POLE
  - PROPOSED FINISHED ROAD
  - EXISTING ROAD
  - LIGHT FOREST
  - DENSE FOREST
  - RICE FIELD
  - WOOD HOUSE (ONE STOREY)
  - CONCRETE-WOOD HOUSE (TWO STOREY)
  - CONCRETE HOUSE (TWO STOREY)
  - CONCRETE HOUSE (ONE STOREY)
  - PIPE CULVERT
  - BOX CULVERT
  - FENCE

PROFILE VIEW



**REVISION:**

No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

**CADTIS-Consultant**

**LAO-Asian Engineering Consultants Sole CO.,LTD.**

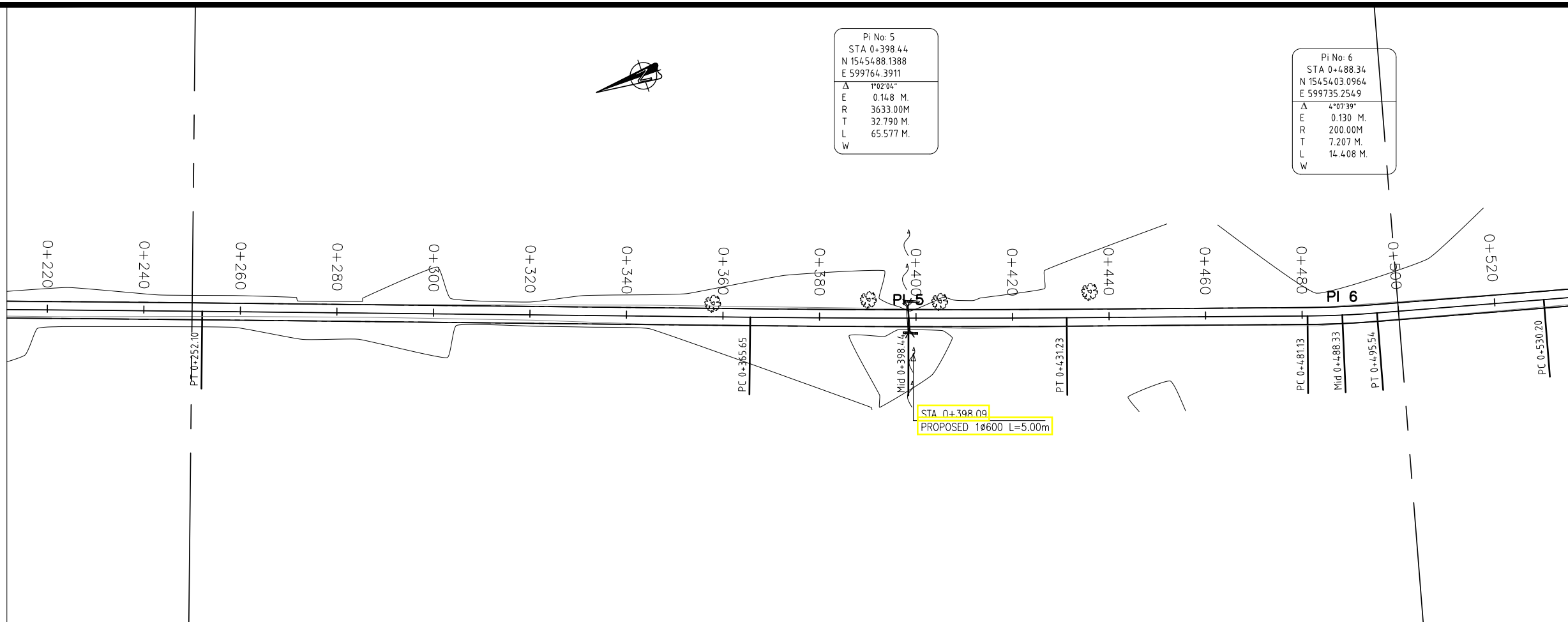
PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2 (IRL-02) PLAN PROFILE Sta: km0+000 -0+250

SCALE IN A3: H1/1000 V1/100 DATE: \_\_\_\_\_ DRAWING No.: LAO - NKS C-56



PLAN VIEW



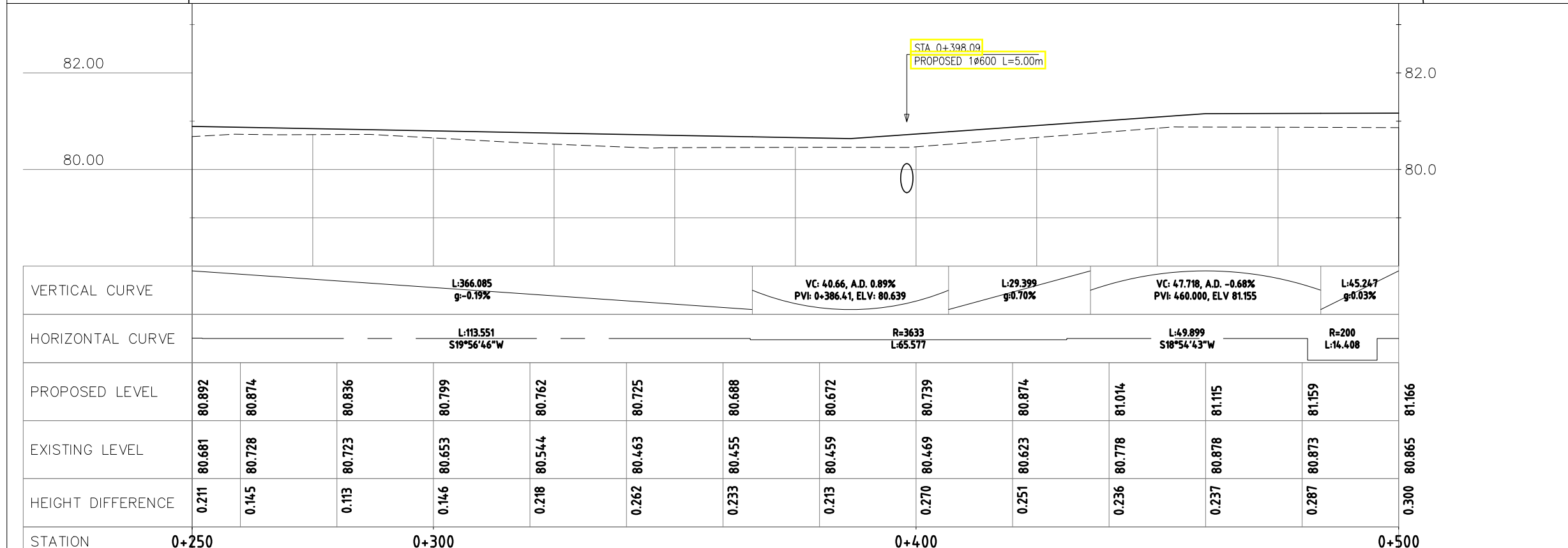
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 STA 0+398.44  
 N 1545488.1388  
 E 599764.3911  
 Δ 1°02'04"  
 E 0.148 M  
 R 3633.00M  
 T 32.790 M  
 L 65.577 M

PI No: 6  
 STA 0+488.34  
 N 1545403.0964  
 E 599735.2549  
 Δ 4°07'39"  
 E 0.130 M  
 R 200.00M  
 T 7.207 M  
 L 14.408 M

LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:

No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_  
  
 TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR  
  
 LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



**Norconsult**  
 PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 DRAWING TITLE: MAIN ROAD -A2(TRL02)PLAN PROFILE Sta: km0+250-0+500  
 SCALE IN A3: H1/1000 V1/100  
 DATE: \_\_\_\_\_  
 DRAWING No.: LAO - NKS  
 C-57

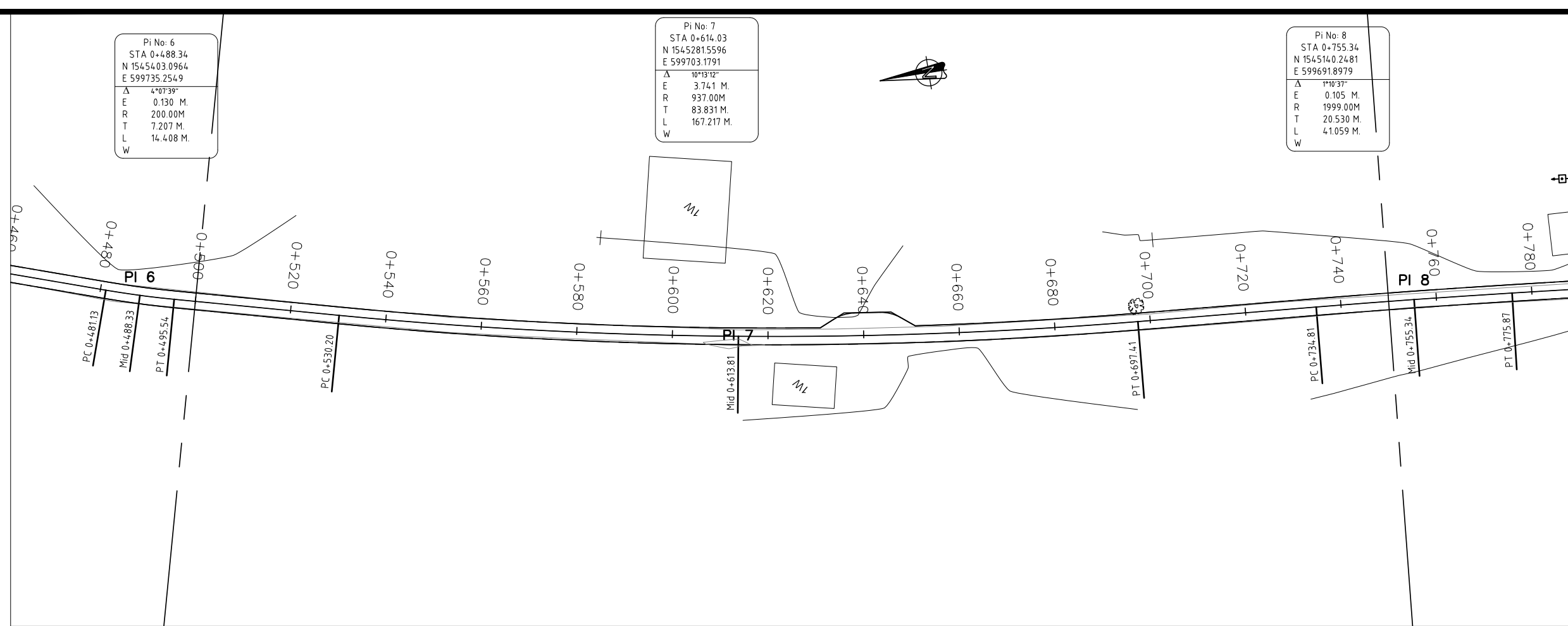
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 E 599735.2549  
 Δ 4°07'39"  
 E 0.130 M.  
 R 200.00M  
 T 7.207 M.  
 L 14.408 M.

PI No: 7  
 STA 0+614.03  
 N 1545281.5596  
 E 599703.1791  
 Δ 10°13'12"  
 E 3.741 M.  
 R 937.00M  
 T 83.831 M.  
 L 167.217 M.

PI No: 8  
 STA 0+755.34  
 N 154514.02481  
 E 599691.8979  
 Δ 1°10'37"  
 E 0.105 M.  
 R 1999.00M  
 T 20.530 M.  
 L 41.059 M.



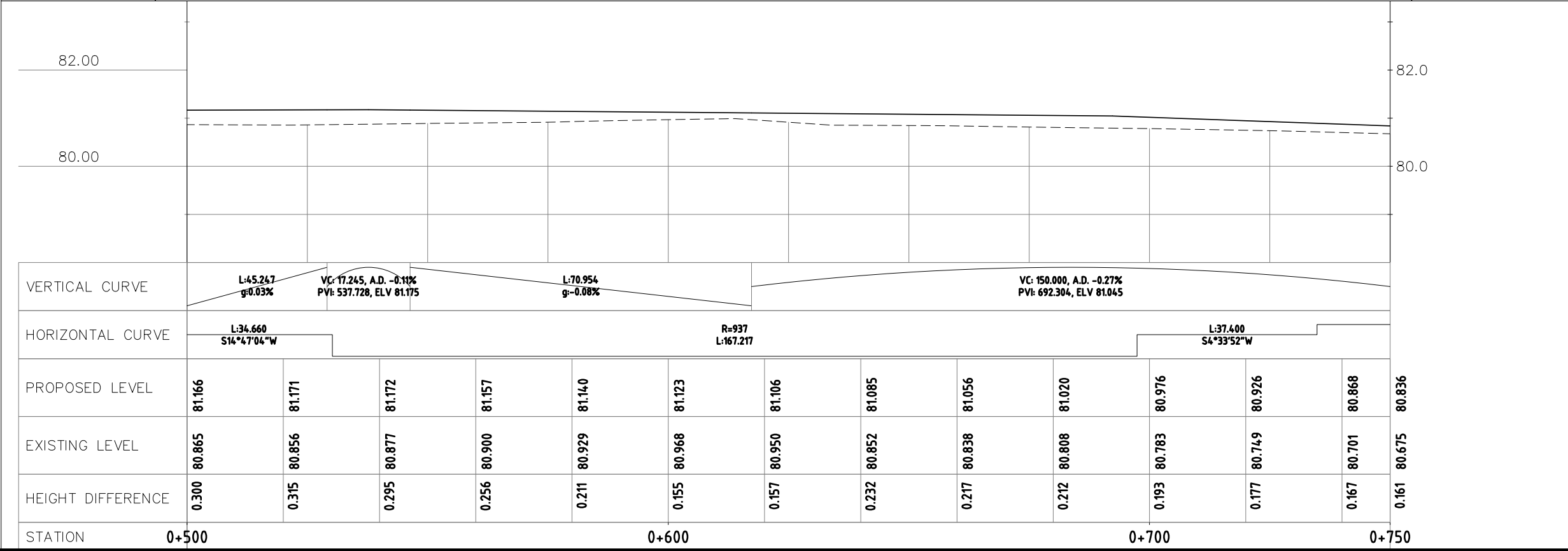
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



VERTICAL CURVE	L:45.267 g:0.03%		VC: 17.245, A.D. -0.11% PVI: 537.728, ELV 81.175		L:70.954 g:-0.08%		VC: 150.000, A.D. -0.27% PVI: 692.304, ELV 81.045							
HORIZONTAL CURVE	L:34.660 S14°47'04"W		R=937 L:167.217		L:37.400 S4°33'52"W									
PROPOSED LEVEL	81.166	81.171	81.172	81.157	81.140	81.123	81.106	81.085	81.056	81.020	80.976	80.926	80.868	80.836
EXISTING LEVEL	80.865	80.856	80.877	80.900	80.929	80.968	80.950	80.852	80.838	80.808	80.783	80.749	80.701	80.675
HEIGHT DIFFERENCE	0.300	0.315	0.295	0.256	0.211	0.155	0.157	0.232	0.217	0.212	0.193	0.177	0.167	0.161
STATION	0+500		0+600				0+700				0+750			

REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_  
  
 TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(IRL02)PLAN PROFILE Sta: km0+500-0+750

SCALE IN A3: H1/1000  
 V1/100

DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

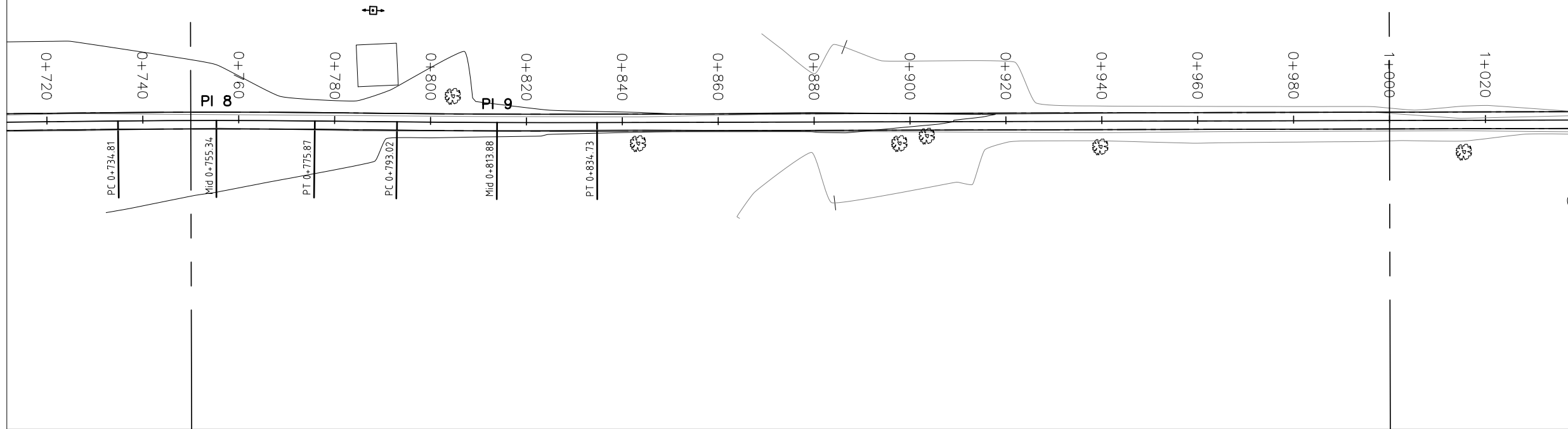
C-58

Pi No: 8  
 STA 0+755.34  
 N 1545140.2481  
 E 5996918979  
 Δ 110°37'  
 E 0.105 M.  
 R 1999.00M  
 T 20.530 M.  
 L 4.1059 M.  
 W

Pi No: 9  
 STA 0+813.88  
 N 1545082.0073  
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 E 0.067 M.  
 R 3261.00M  
 T 20.853 M.  
 L 4.1706 M.  
 W



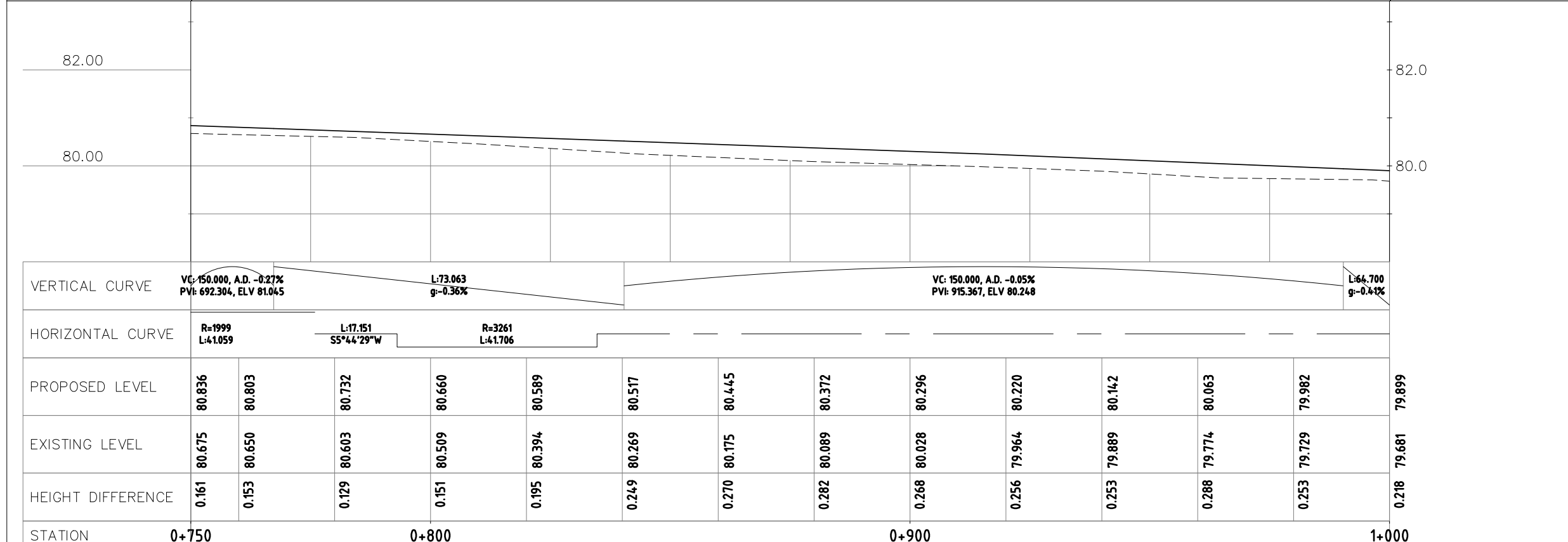
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

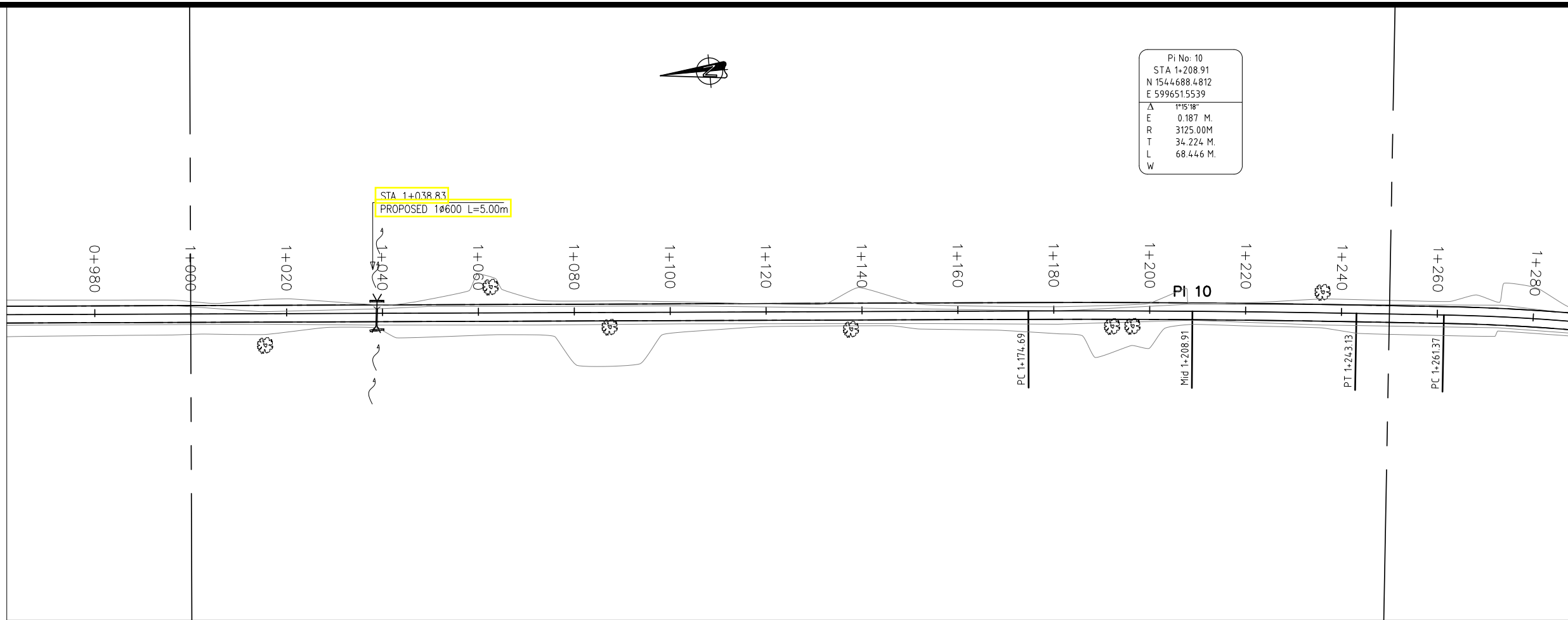
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(TRL02)PLAN PROFILE Sta: km0+750-1+000

SCALE IN A3: H1/1000 V1/100	DATE: _____	DRAWING No.: _____	C-59
		LAO - NKS	

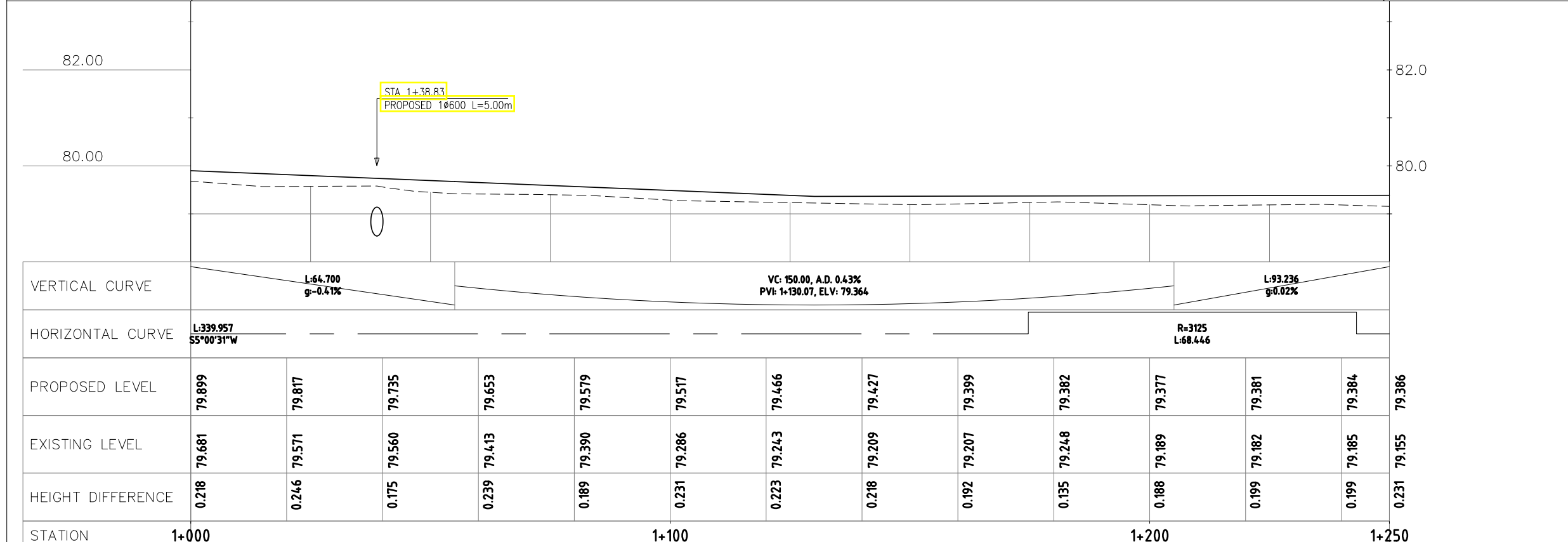
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
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- WOOD HOUSE (ONE STOREY)
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- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



VERTICAL CURVE	L:64.700 g:-0.41%		VC: 150.00, A.D. 0.43% PVI: 1+130.07, ELV: 79.364										L:93.236 g:0.02%	
HORIZONTAL CURVE	L:339.957 55°00'31"W												R=3125 L:68.446	
PROPOSED LEVEL	79.899	79.817	79.735	79.653	79.579	79.517	79.466	79.427	79.399	79.382	79.377	79.381	79.384	79.386
EXISTING LEVEL	79.681	79.571	79.560	79.413	79.390	79.286	79.243	79.209	79.207	79.248	79.189	79.182	79.185	79.155
HEIGHT DIFFERENCE	0.218	0.246	0.175	0.239	0.189	0.231	0.223	0.218	0.192	0.135	0.188	0.199	0.199	0.231
STATION	1+000		1+100				1+200				1+250			

REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(TRL02)PLAN PROFILE Sta: km1+000-1+250

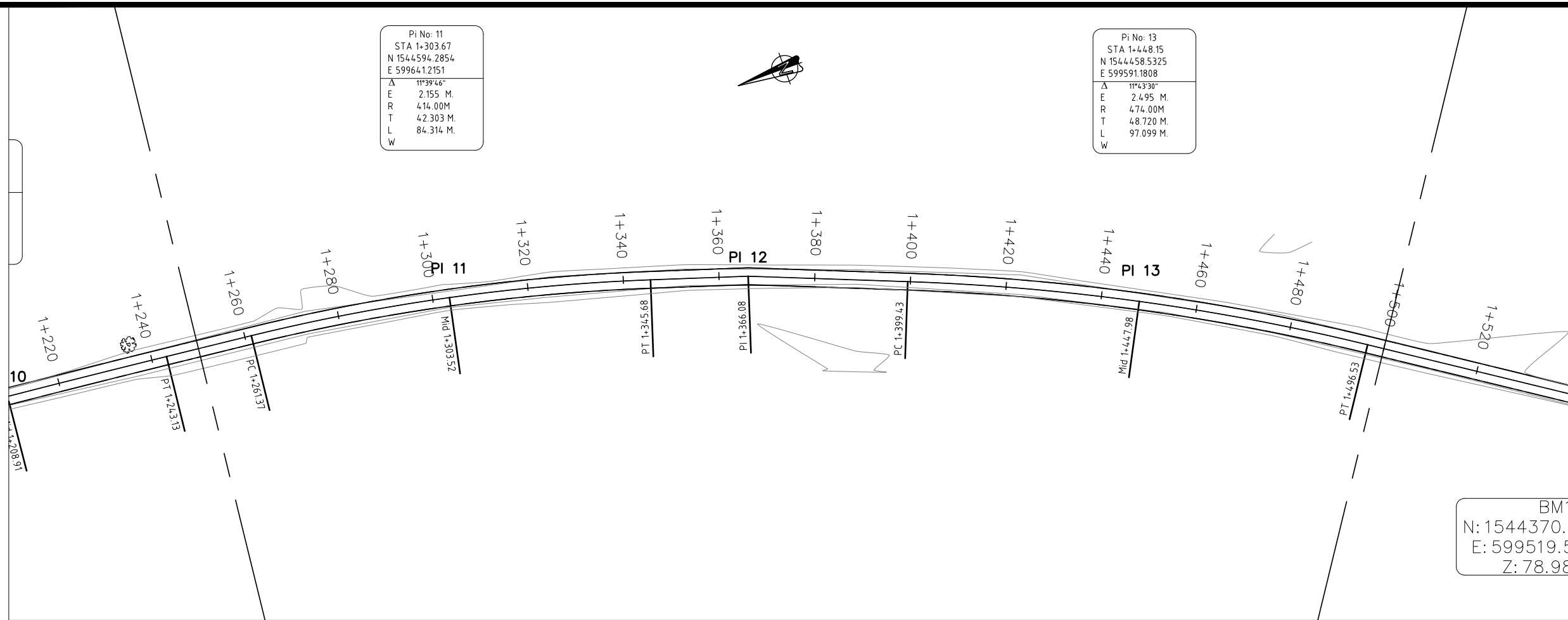
SCALE IN A3: H1/1000  
 V1/100

DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

C-60

PLAN VIEW



PI No: 11	
STA	1+303.67
N	1544594.2854
E	599641.2151
Δ	11°39'46"
E	2.155 M.
R	414.00M
T	42.303 M.
L	84.314 M.
W	

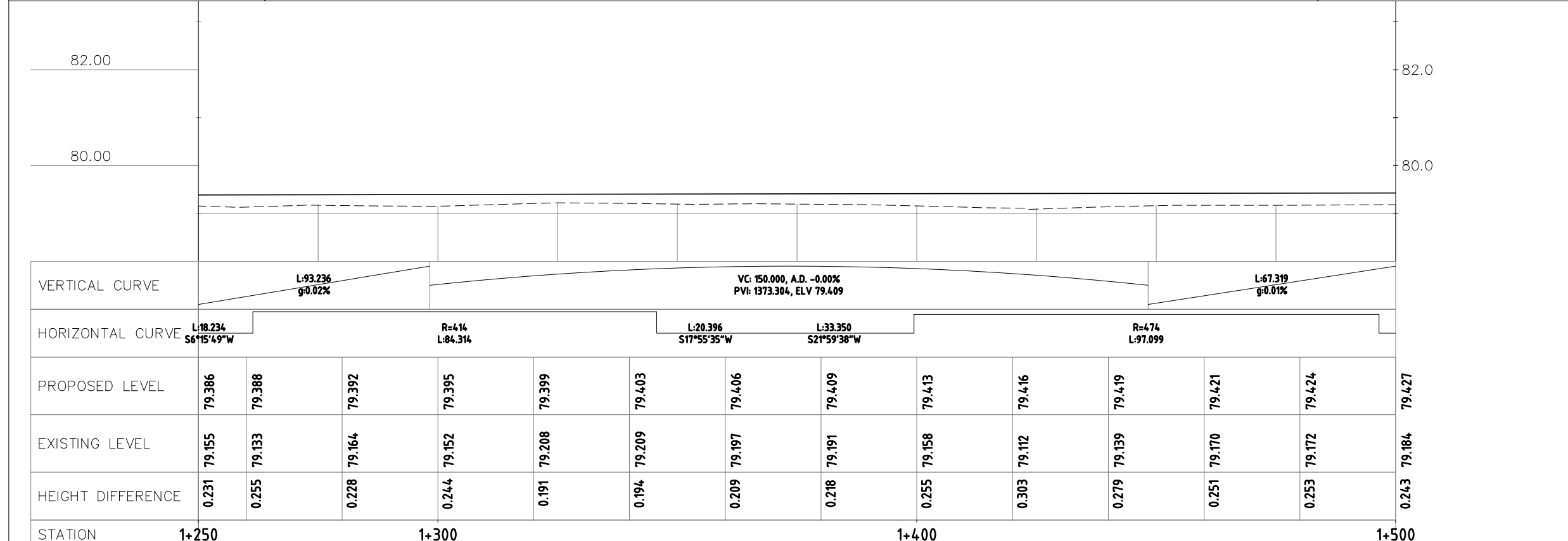
PI No: 13	
STA	1+448.15
N	1544458.5325
E	599591.1808
Δ	11°43'30"
E	2.495 M.
R	474.00M
T	48.720 M.
L	97.099 M.
W	

LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

BM1	N: 1544370.7
	E: 599519.5
	Z: 78.98

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(TRL02)PLAN PROFILE Sta: km1+250-1+500

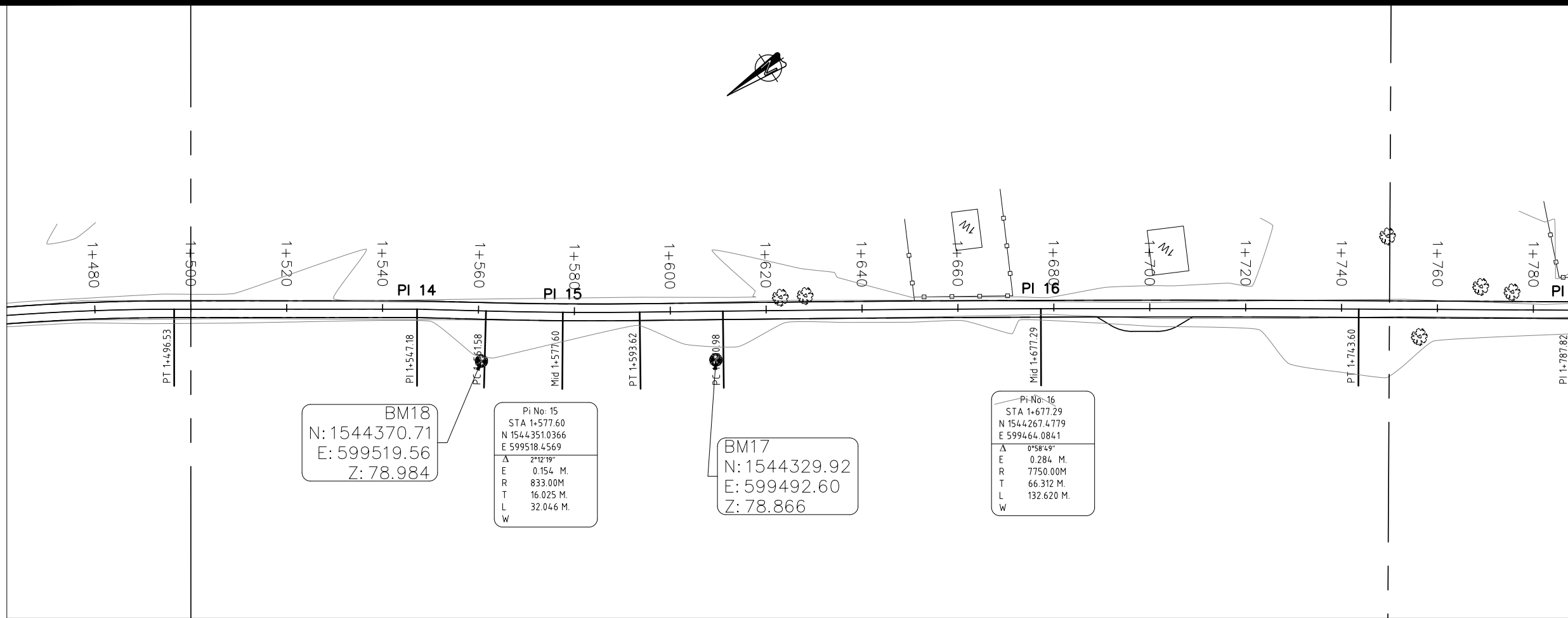
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 V1/100

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DRAWING No.: LAO - NKS

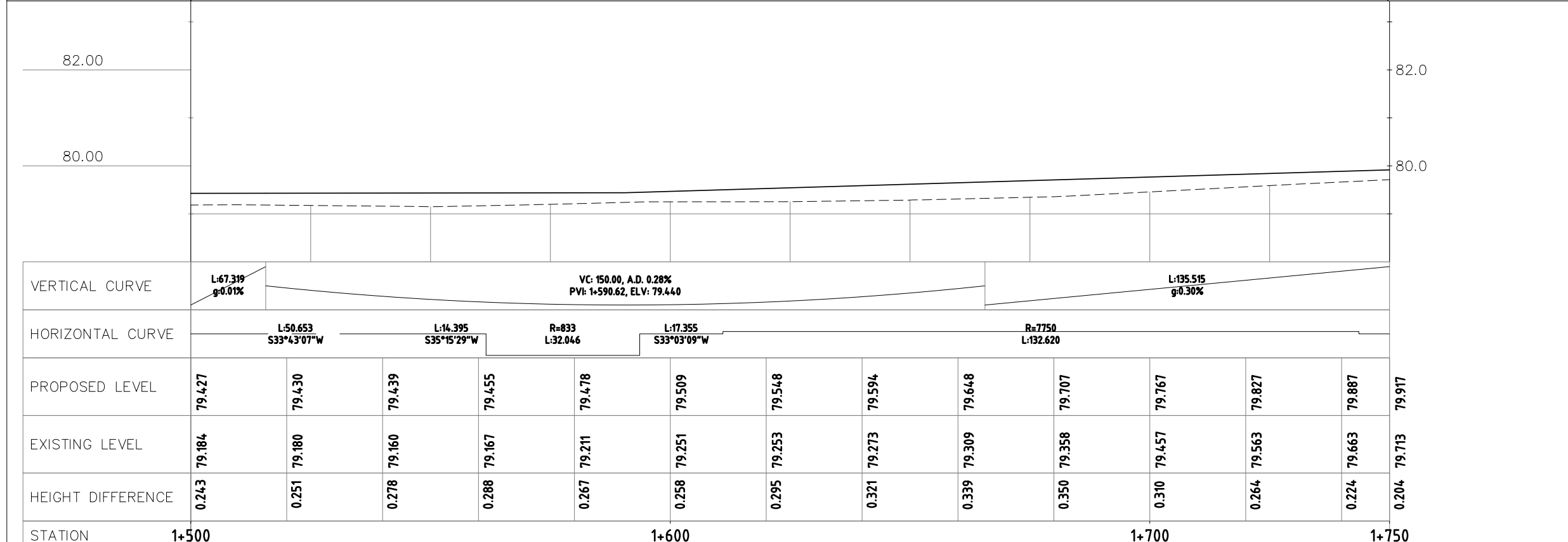
C-61

PLAN VIEW



- LEGEND:**
- NORTH DIRECTION
  - CONCRETE BENCH MARK
  - ELECTRIC POLE
  - PROPOSED FINISHED ROAD
  - EXISTING ROAD
  - LIGHT FOREST
  - DENSE FOREST
  - RICE FIELD
  - WOOD HOUSE (ONE STOREY)
  - CONCRETE-WOOD HOUSE (TWO STOREY)
  - CONCRETE HOUSE (TWO STOREY)
  - CONCRETE HOUSE (ONE STOREY)
  - PIPE CULVERT
  - BOX CULVERT
  - FENCE

PROFILE VIEW



**REVISION:**

No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

**CADTIS-Consultant**

**LAO-Asean Engineering Consultants Sole CO.,LTD.**

PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(IRL02)PLAN PROFILE Sta: km1++500-1+750

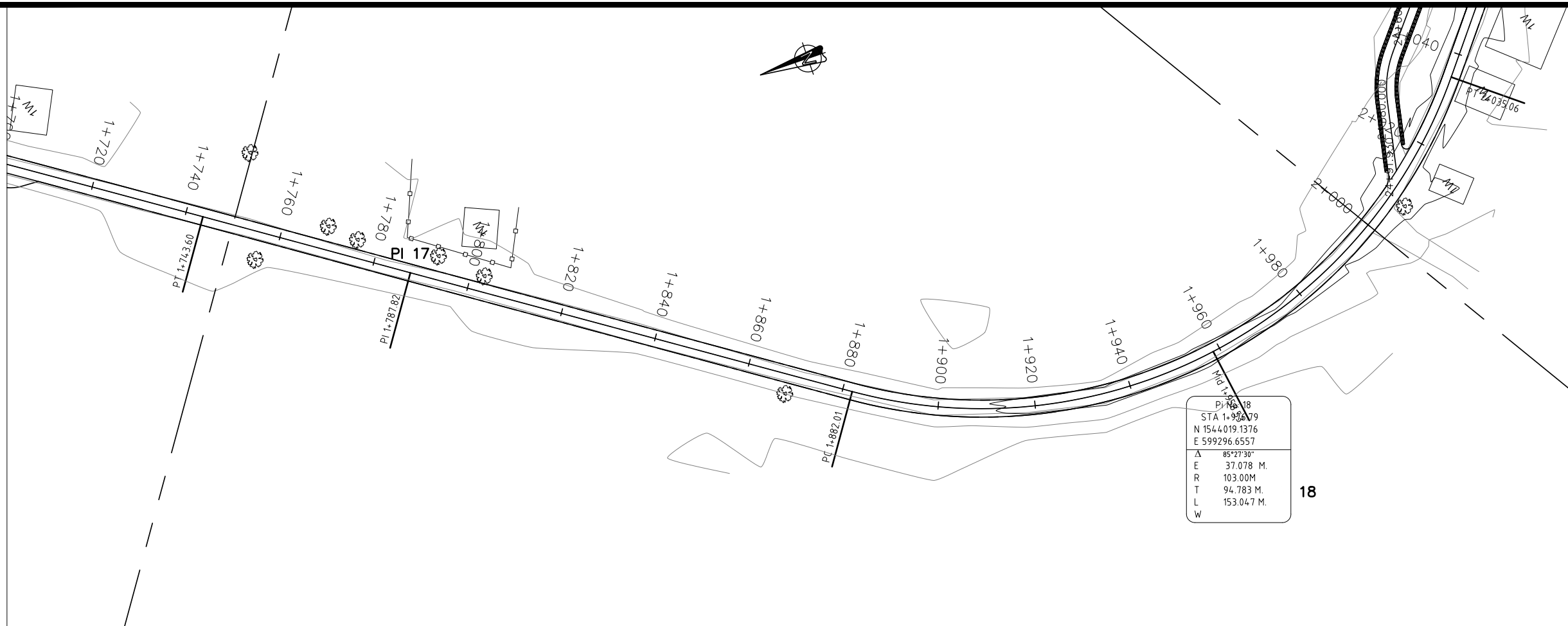
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 V1/100

DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

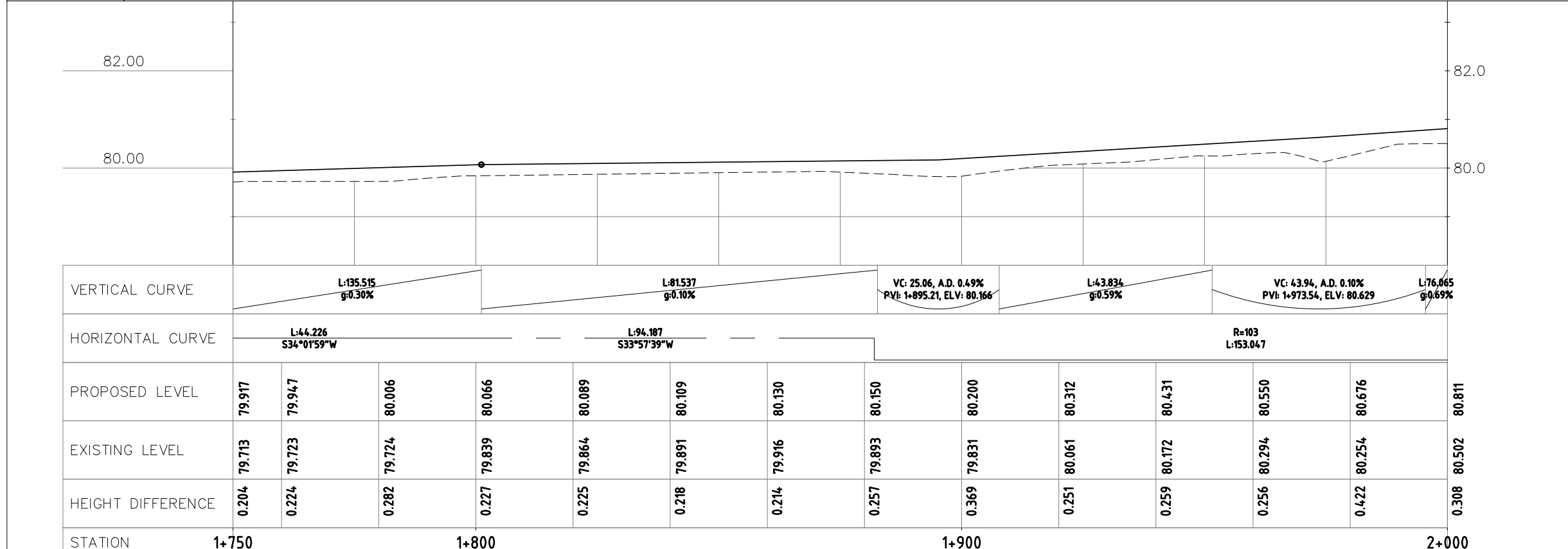
C-62

PLAN VIEW



- LEGEND:**
- NORTH DIRECTION
  - CONCRETE BENCH MARK
  - ELECTRIC POLE
  - PROPOSED FINISHED ROAD
  - EXISTING ROAD
  - LIGHT FOREST
  - DENSE FOREST
  - RICE FIELD
  - WOOD HOUSE (ONE STOREY)
  - CONCRETE-WOOD HOUSE (TWO STOREY)
  - CONCRETE HOUSE (TWO STOREY)
  - CONCRETE HOUSE (ONE STOREY)
  - PIPE CULVERT
  - BOX CULVERT
  - FENCE

PROFILE VIEW



**REVISION:**

No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

**CADTIS-Consultant**

**LAO-Asian Engineering Consultants Sole CO.,LTD.**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(TRL02)PLAN PROFILE Sta: km1+750-2+000

SCALE IN A3: H1/1000  
 V1/100

DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

C-63

PLAN VIEW

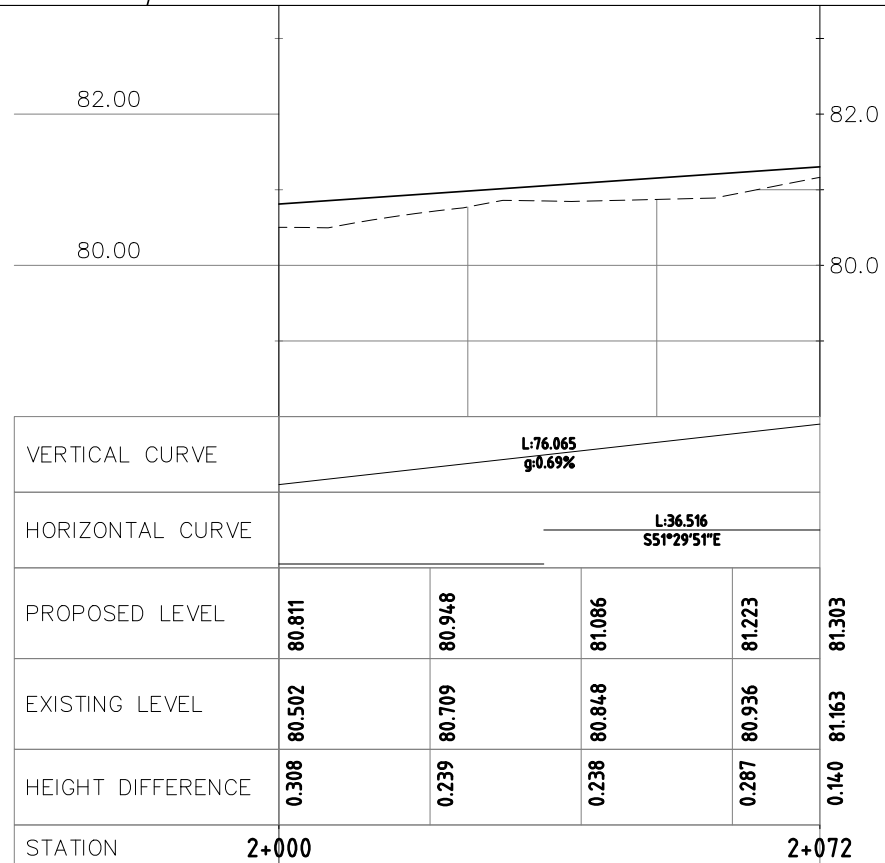
Pi No: 18  
 STA 1+976.79  
 N 154.019.1376  
 E 599296.6557  
 Δ 85°27'30"  
 E 37.078 M.  
 R 103.00M  
 T 94.783 M.  
 L 153.047 M.  
 W

PI 18

LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE:  
 DATE:

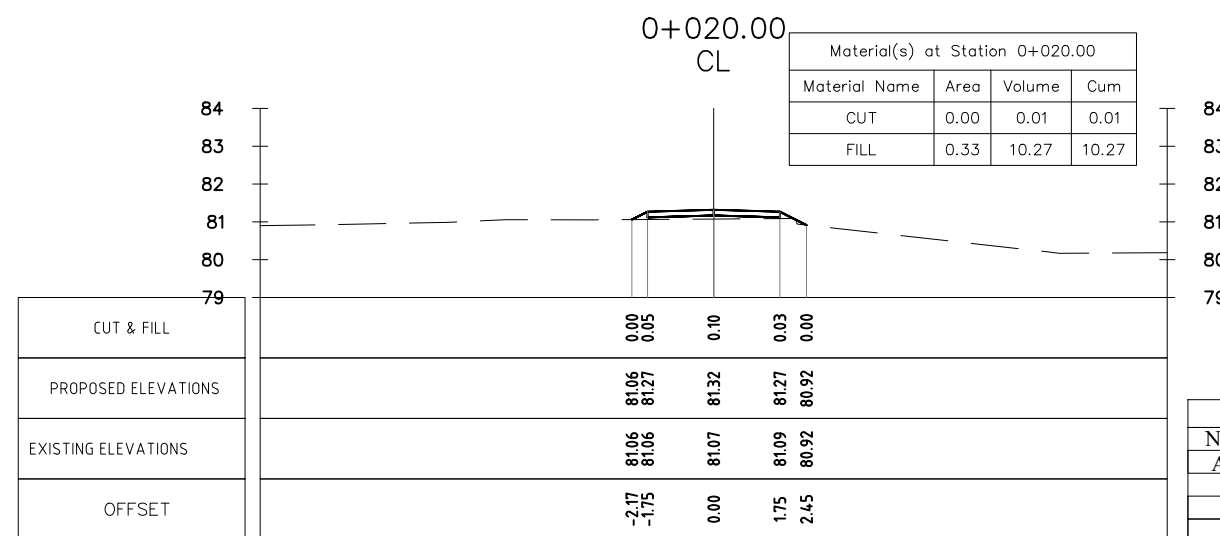
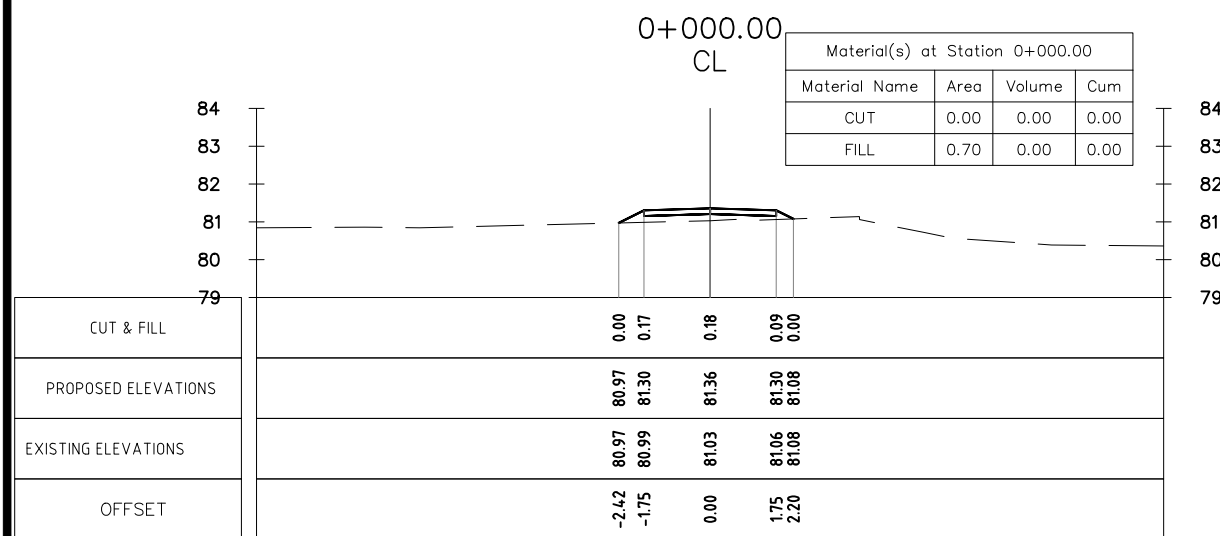
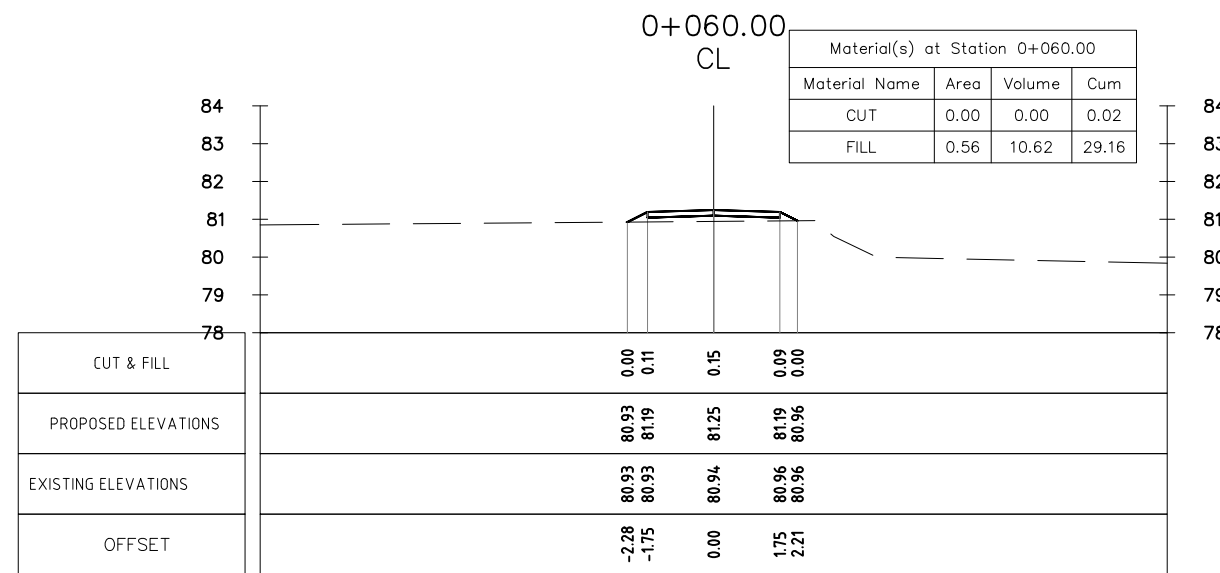
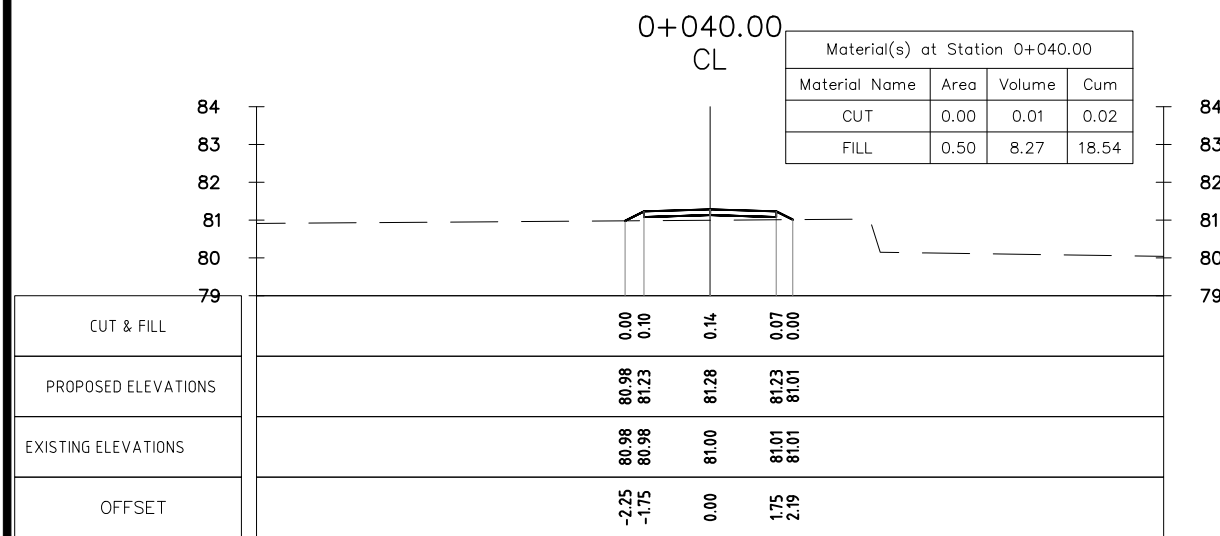
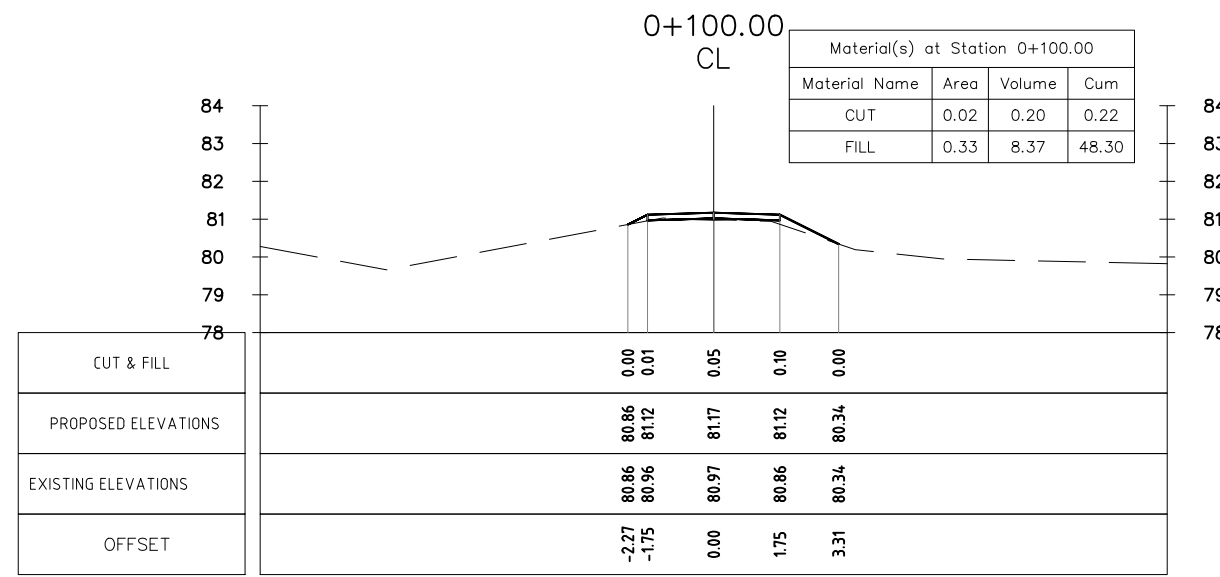
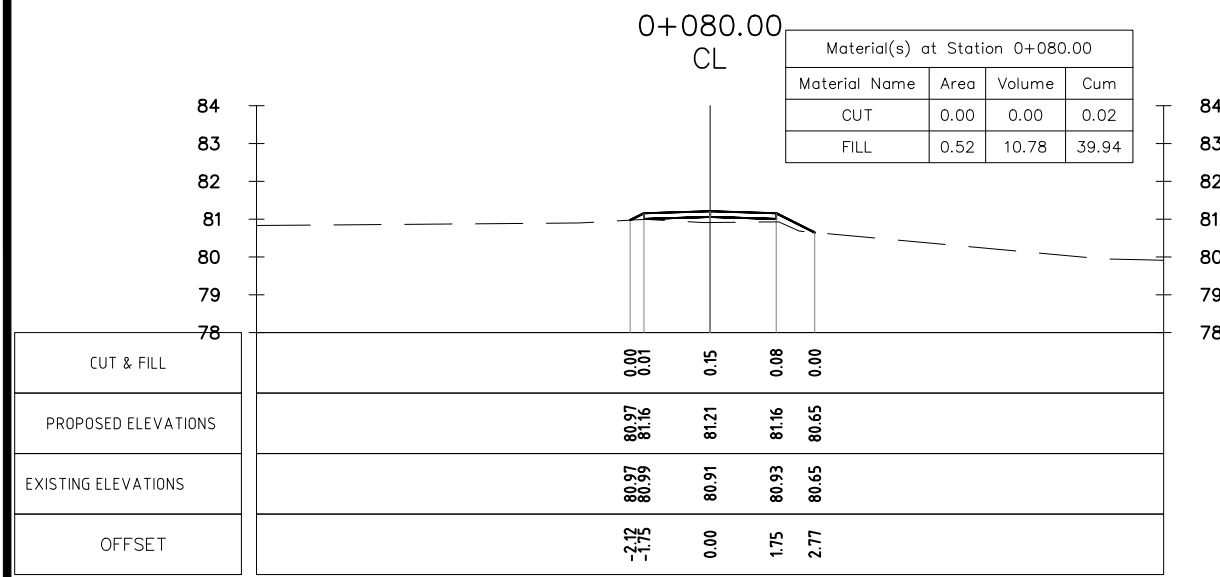
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL02)PLAN PROFILE Sta: km2+000-2+072			
SCALE IN A3: H1/1000 V1/100	DATE :	DRAWING No. : LAO - NKS	C-64





REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

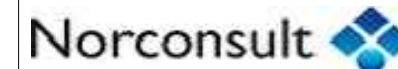
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 Checked: JEFJ  
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TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



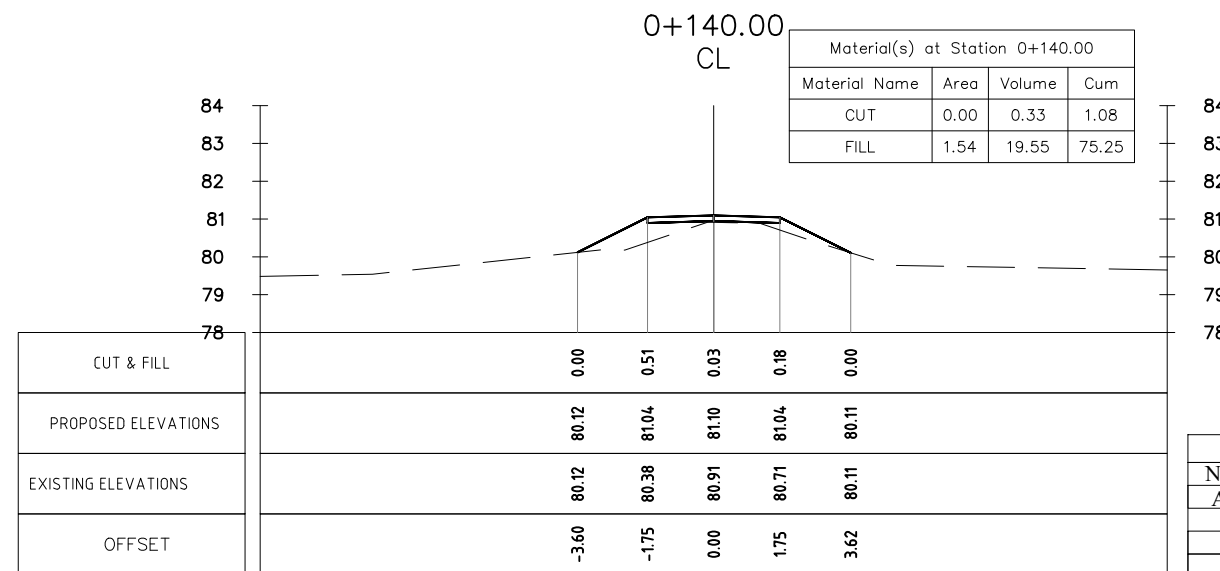
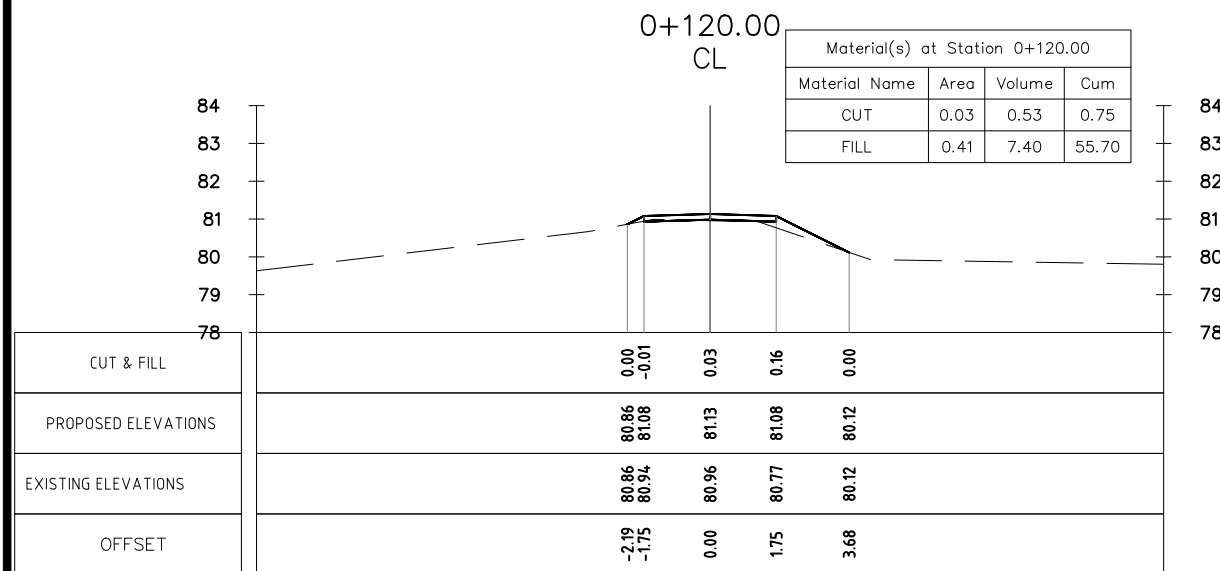
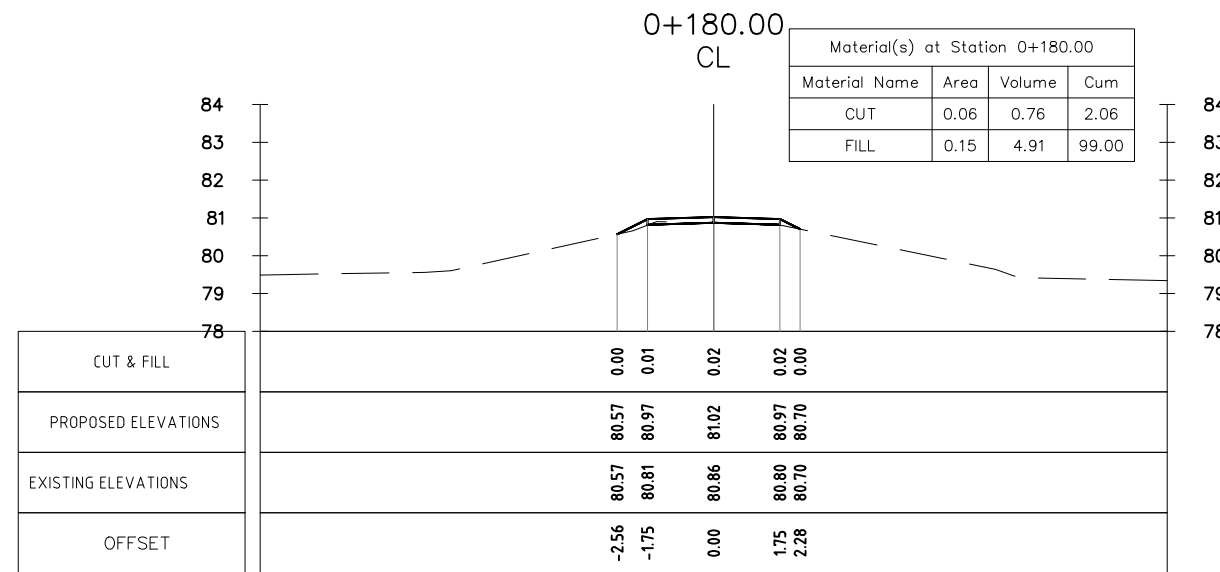
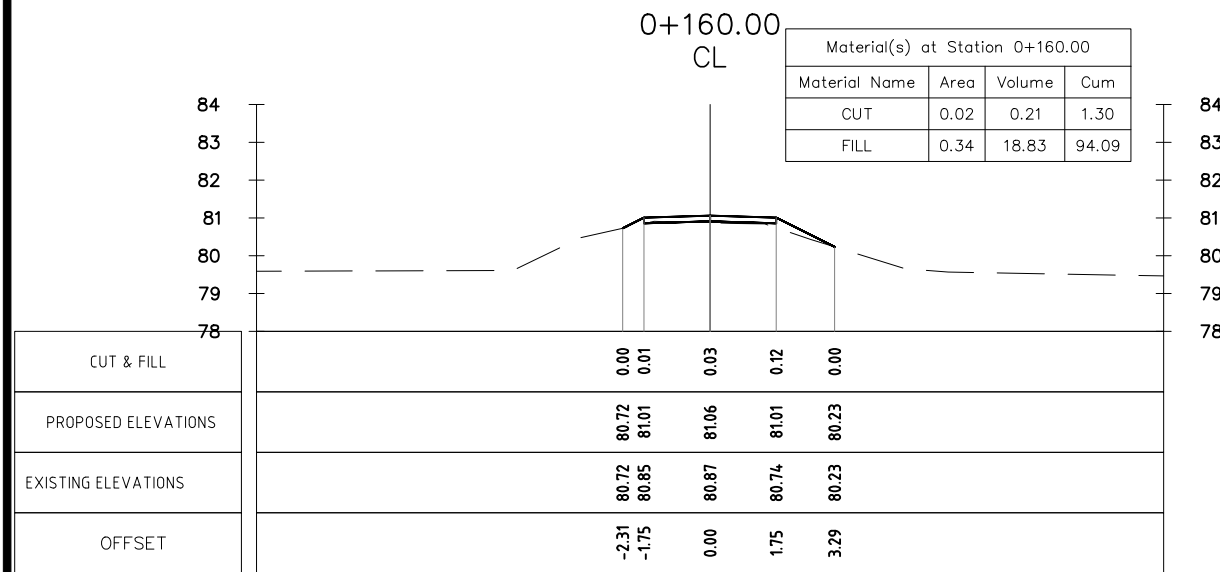
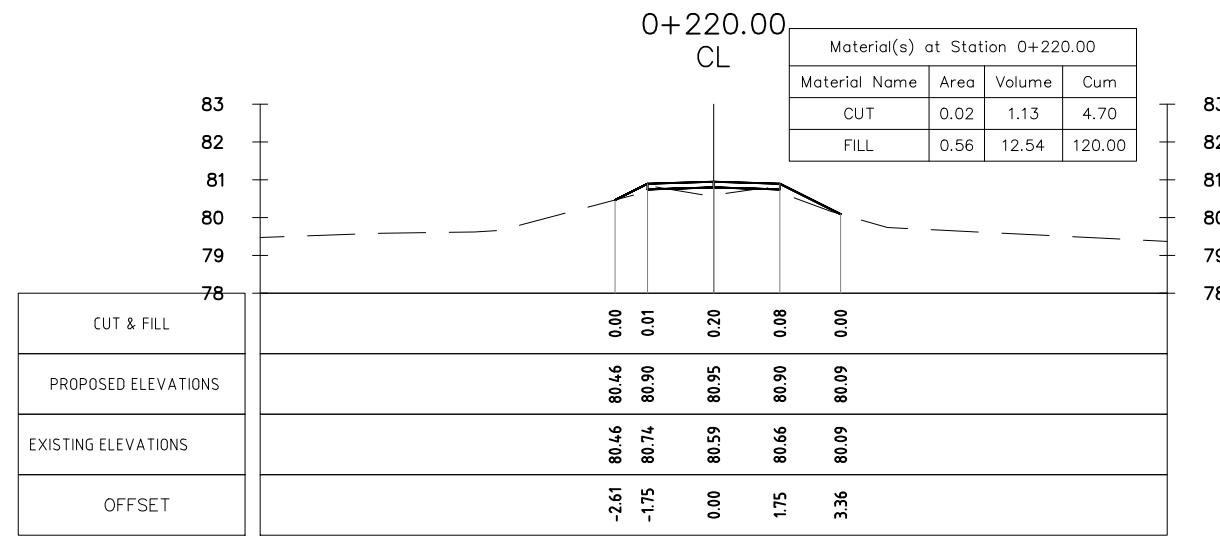
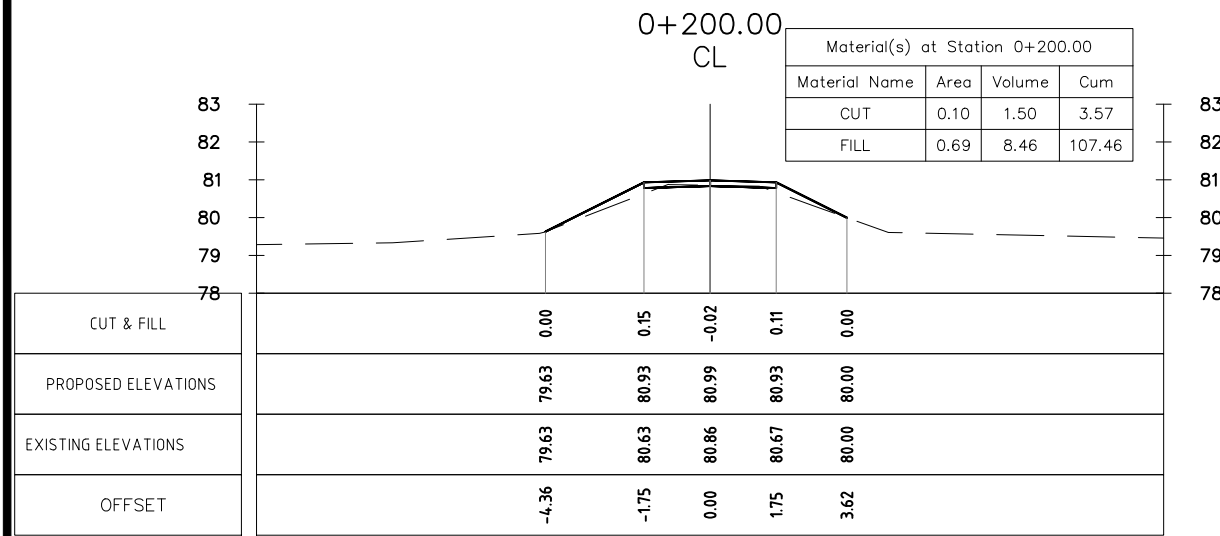
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD A2(IRL-02) CROSS - SECTION : Sta. KM0+000-0+100

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-65
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



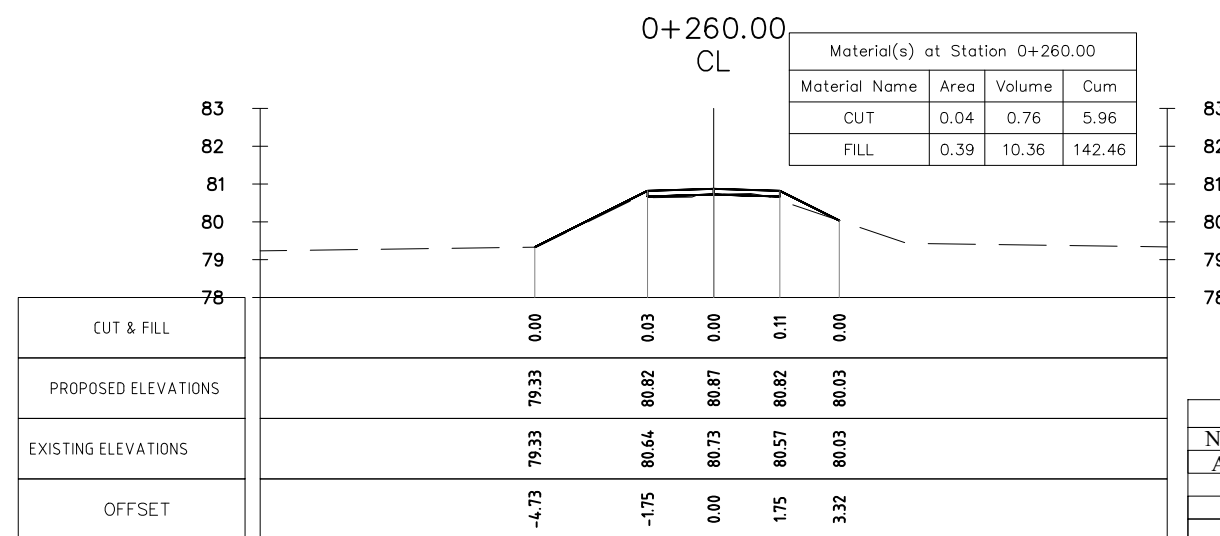
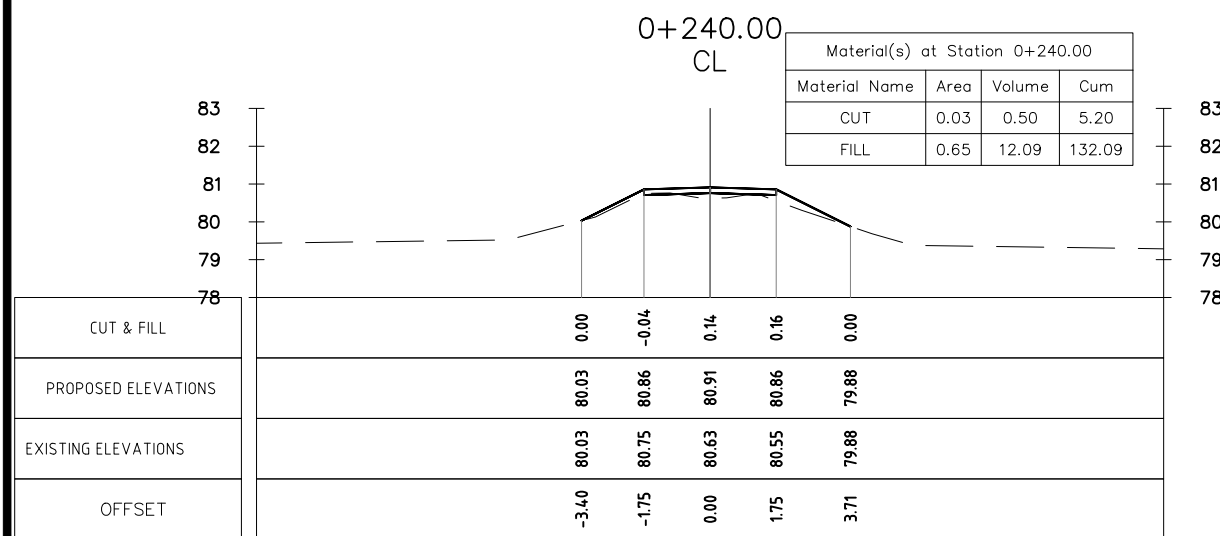
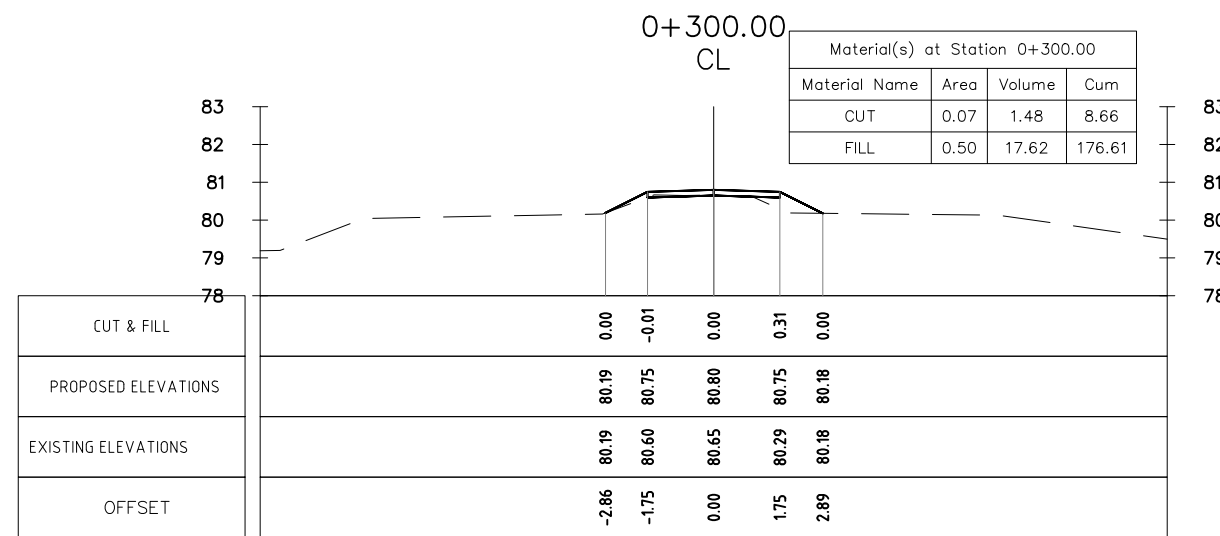
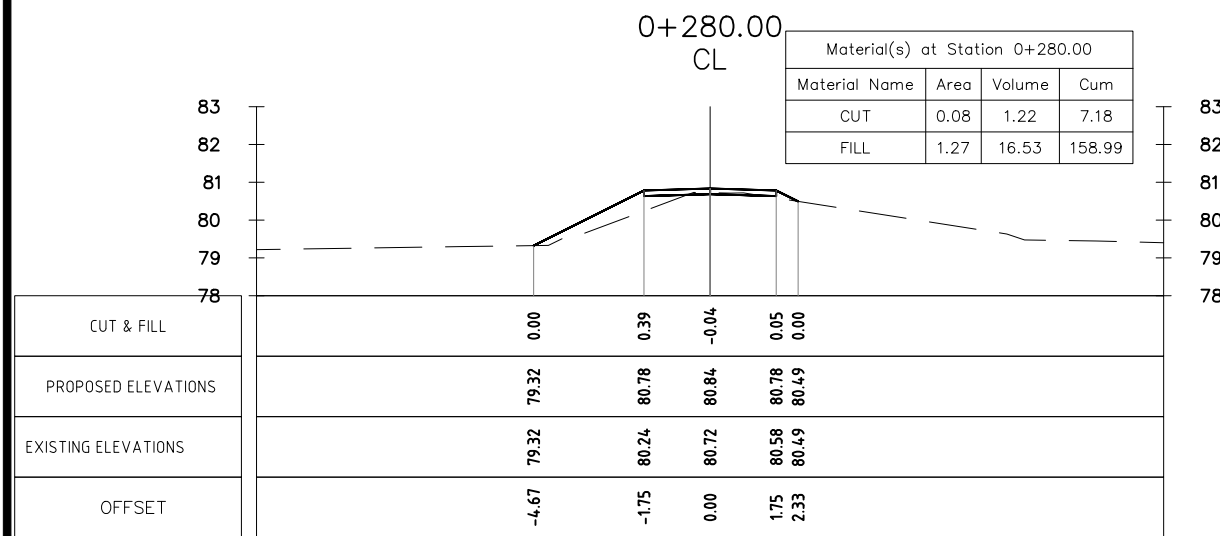
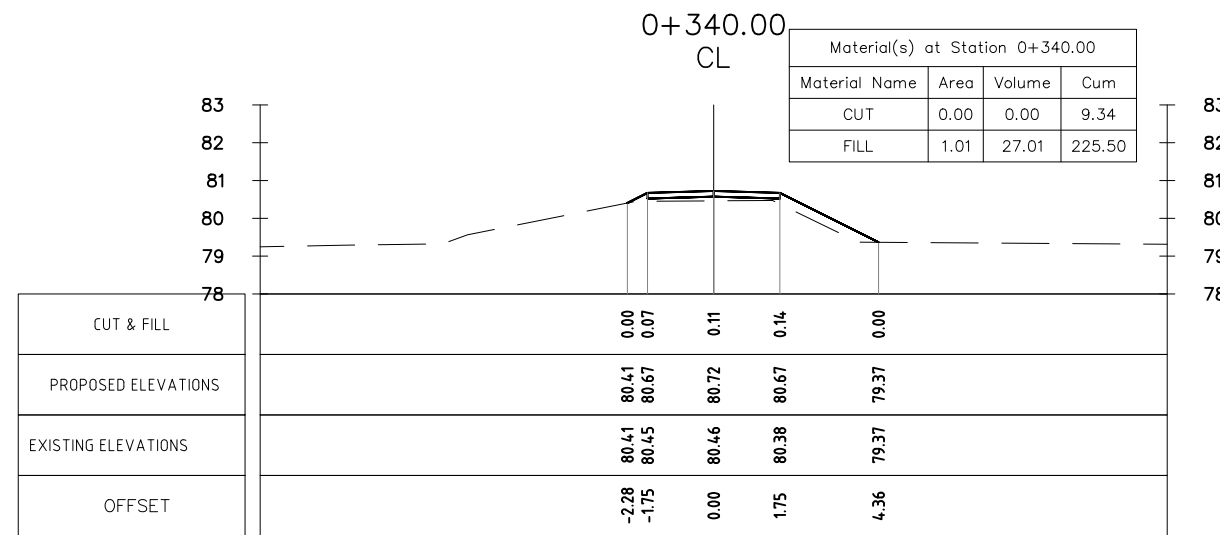
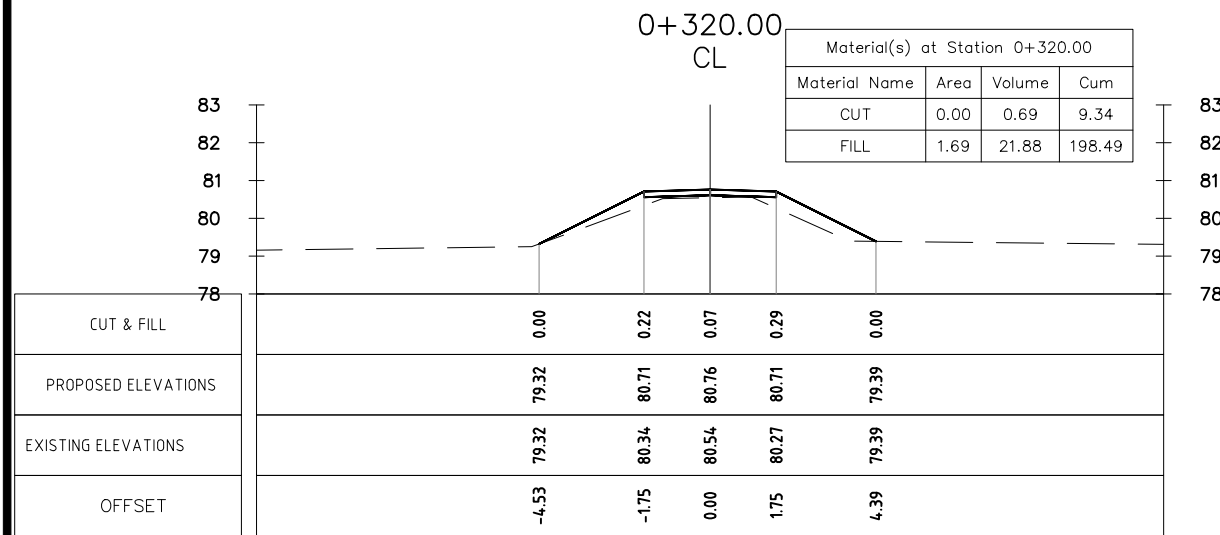
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL-02) CROSS - SECTION : Sta. KM0+120-0+220

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-66
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



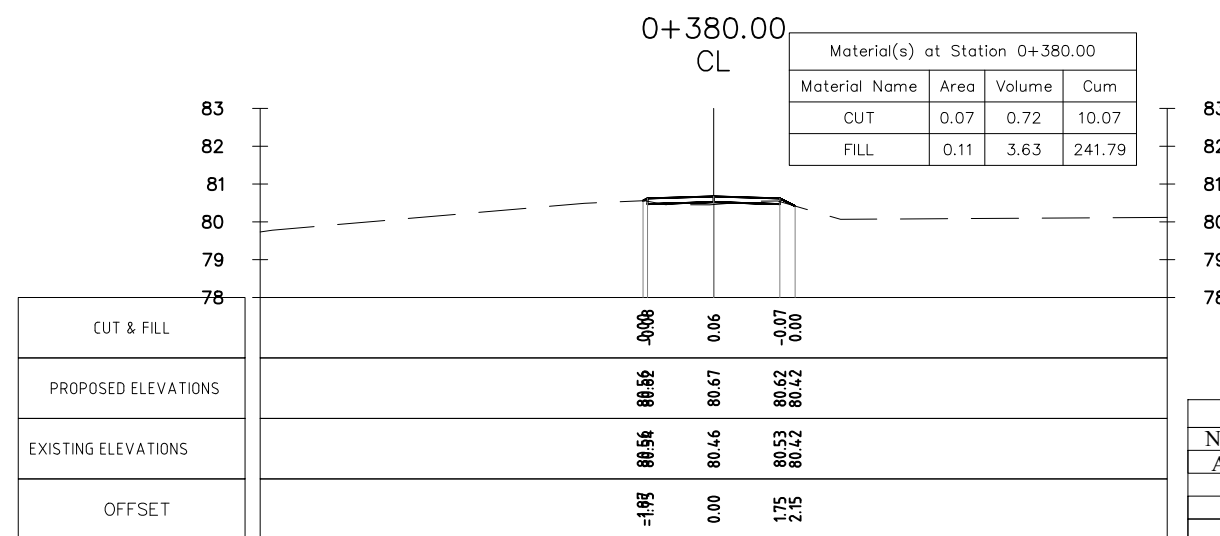
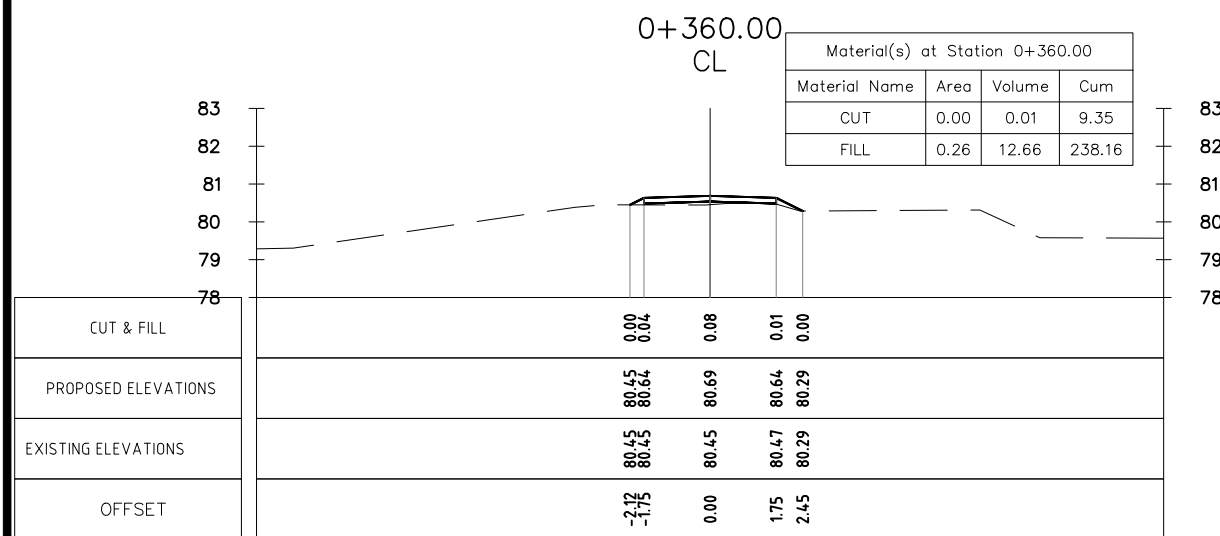
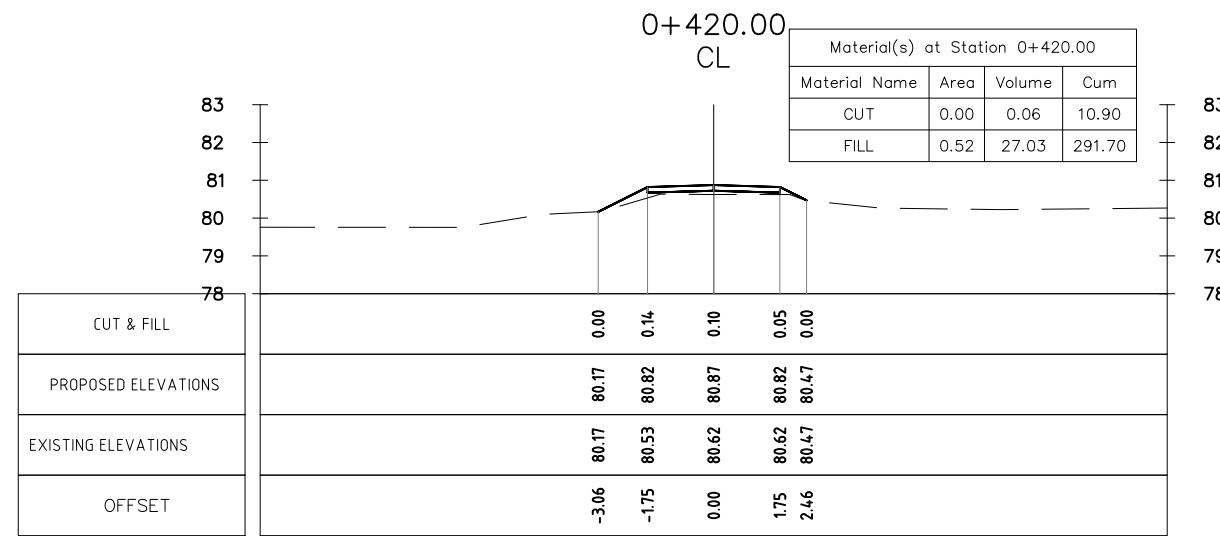
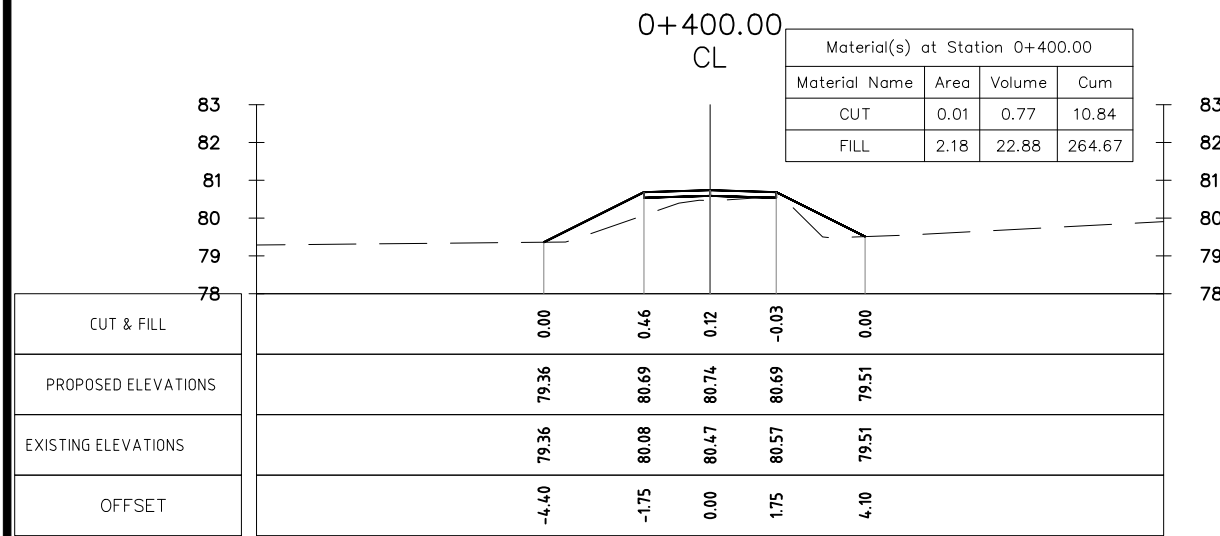
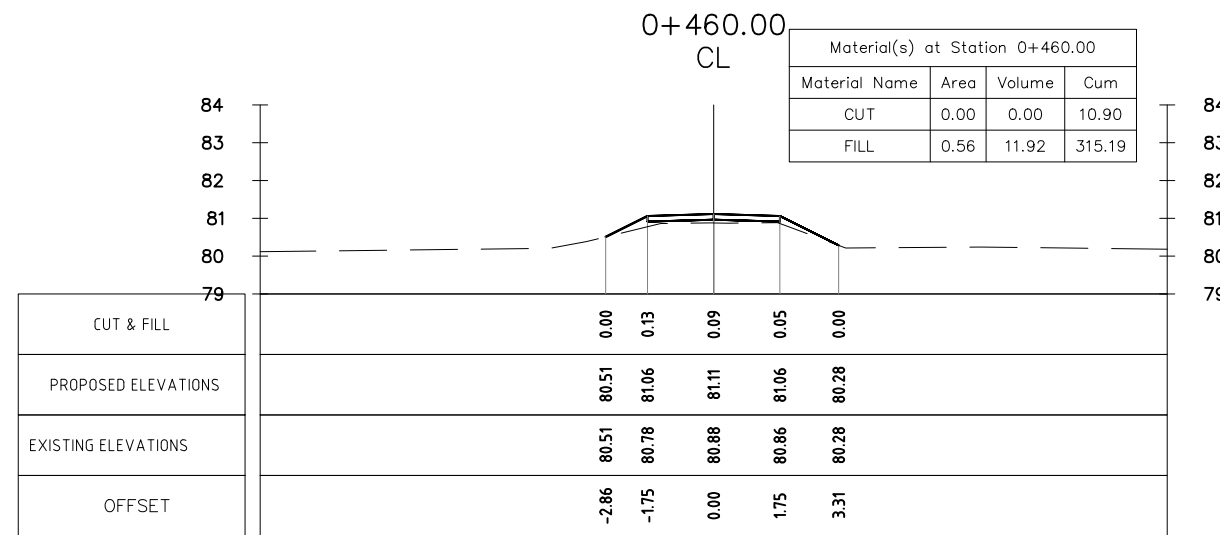
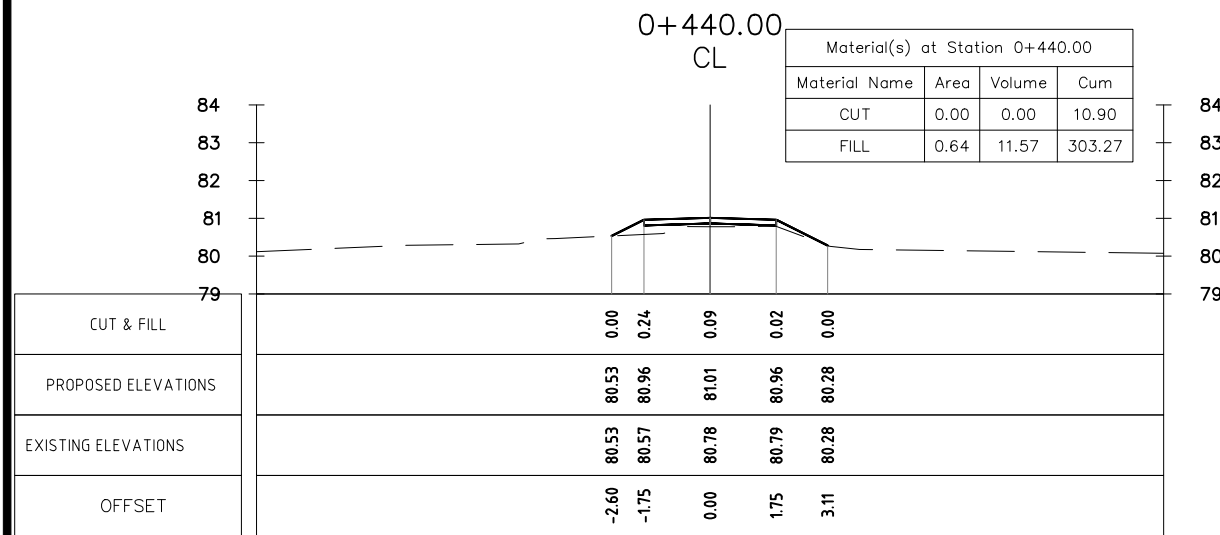
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD A2(IRL-02) CROSS - SECTION : Sta Sta. KM0+240-0+340

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-67
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

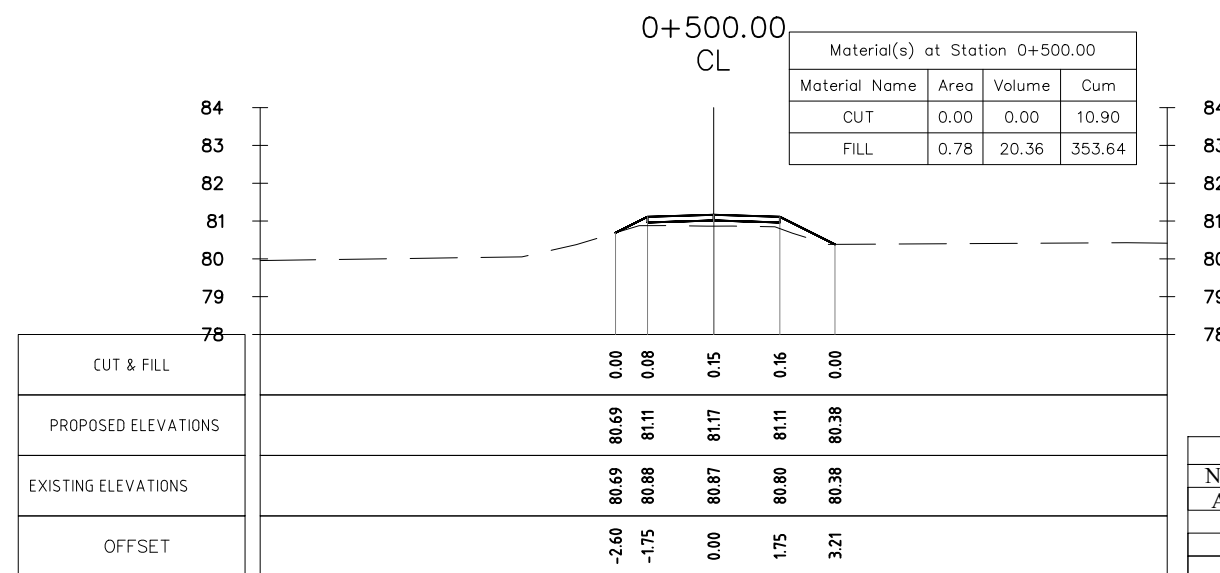
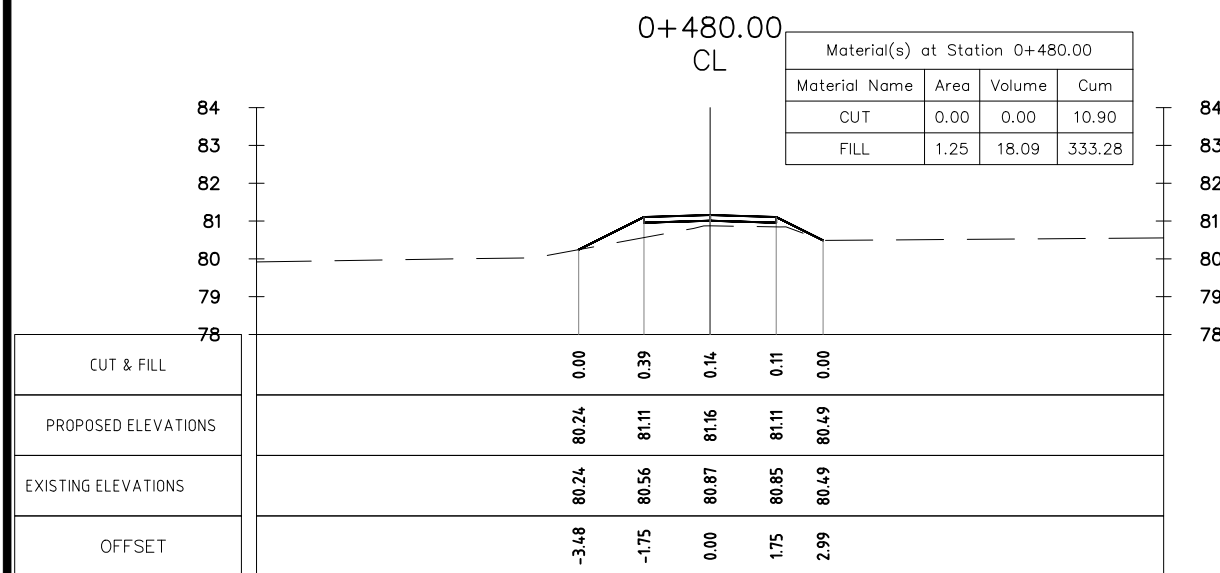
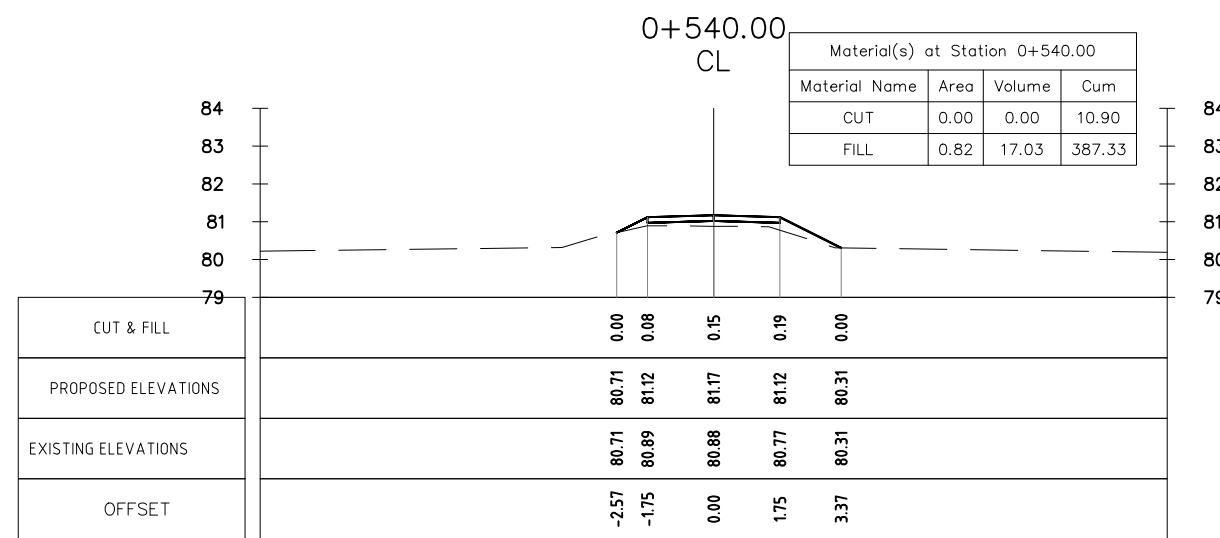
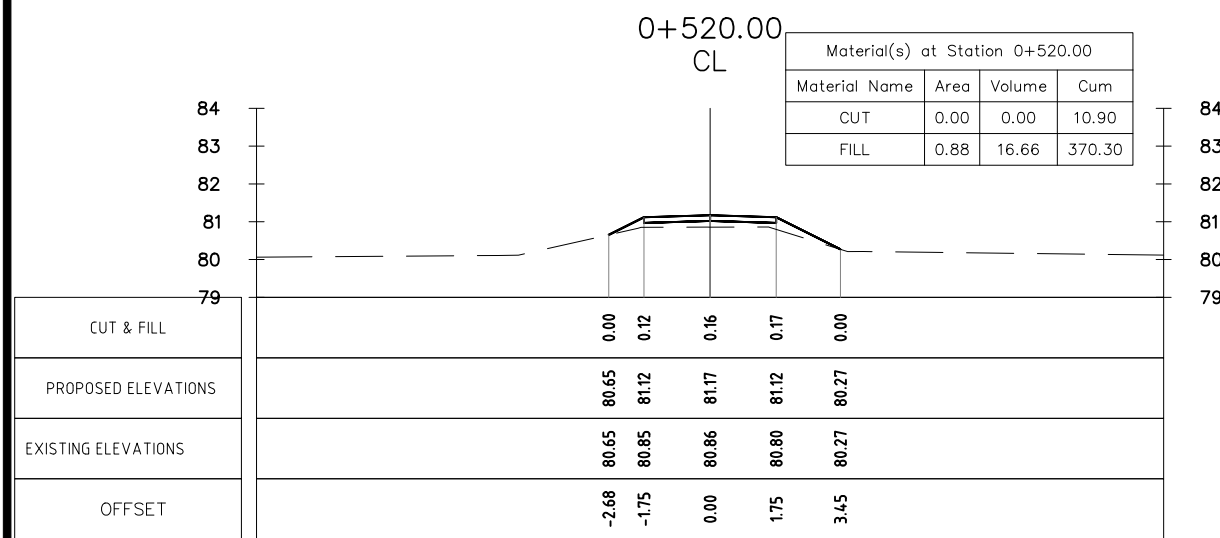
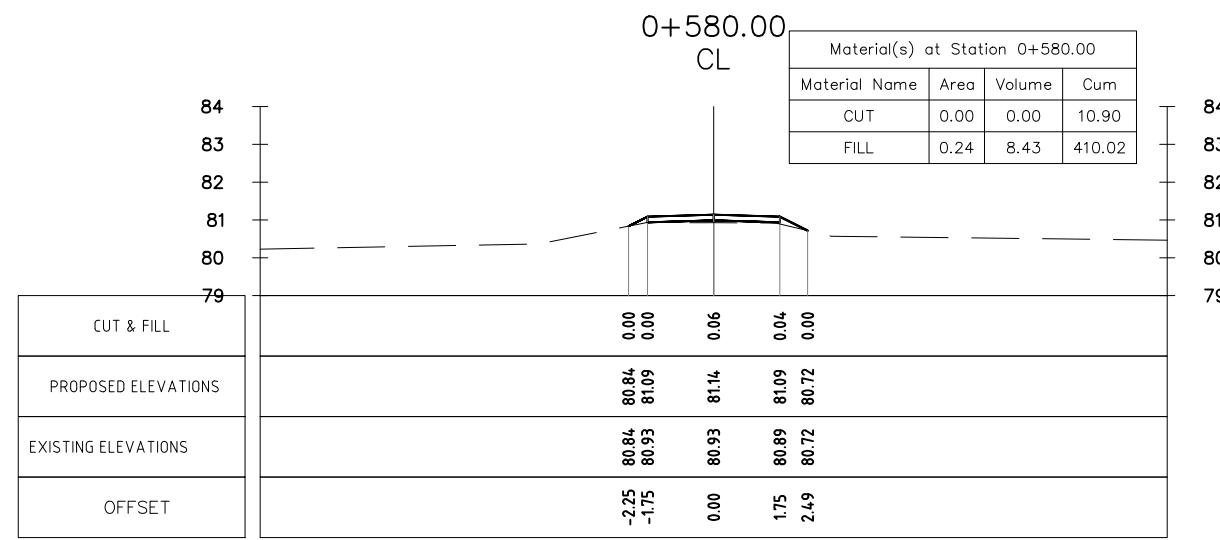
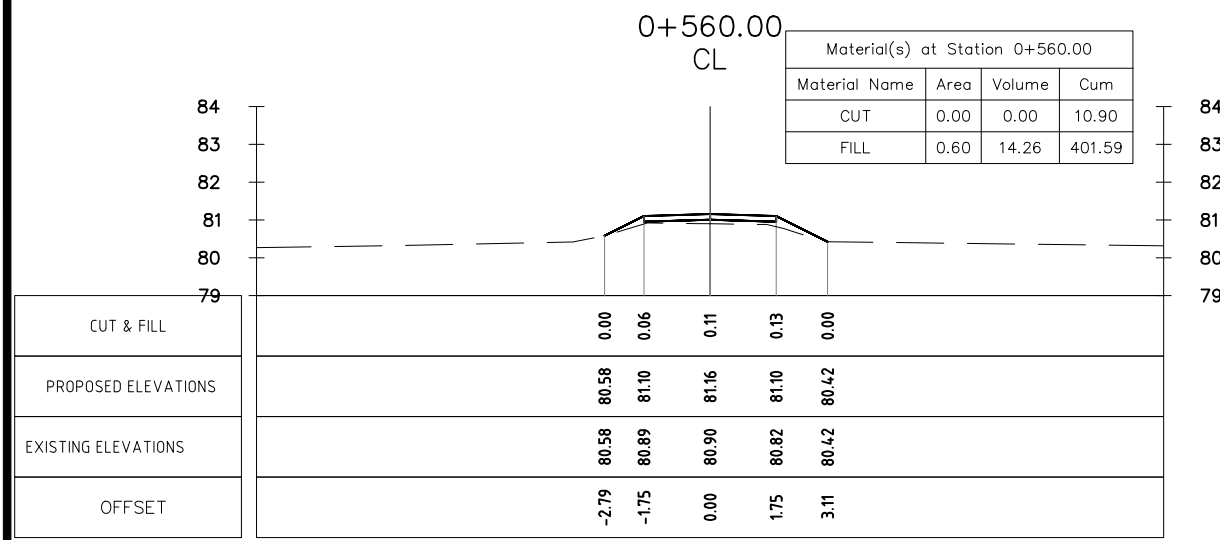
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL02) CROSS - SECTION : Sta. KM0+360-0+460

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-68
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



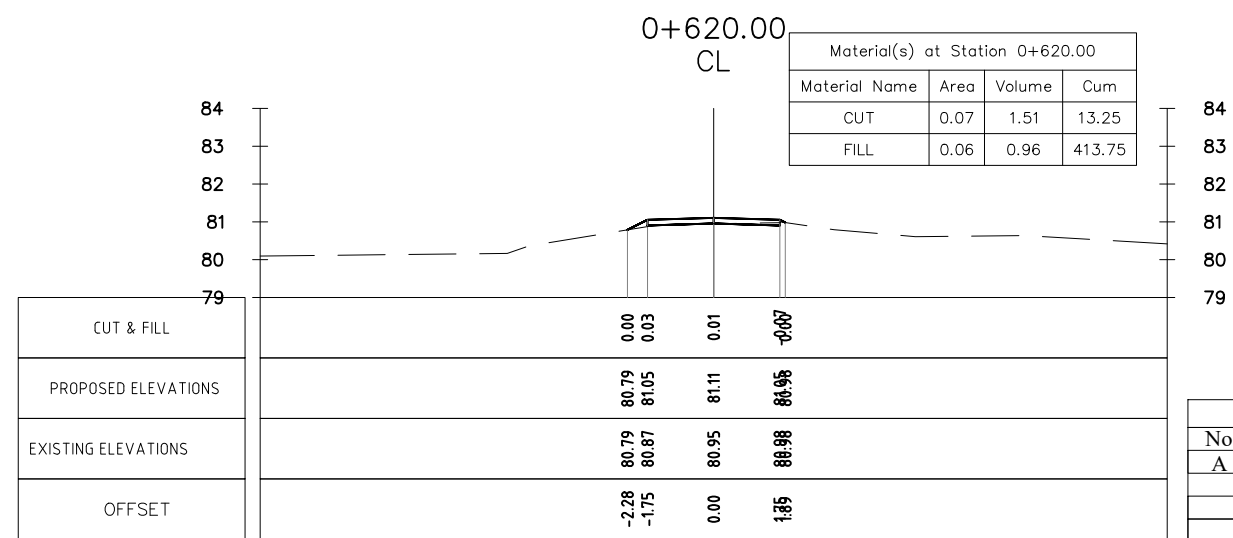
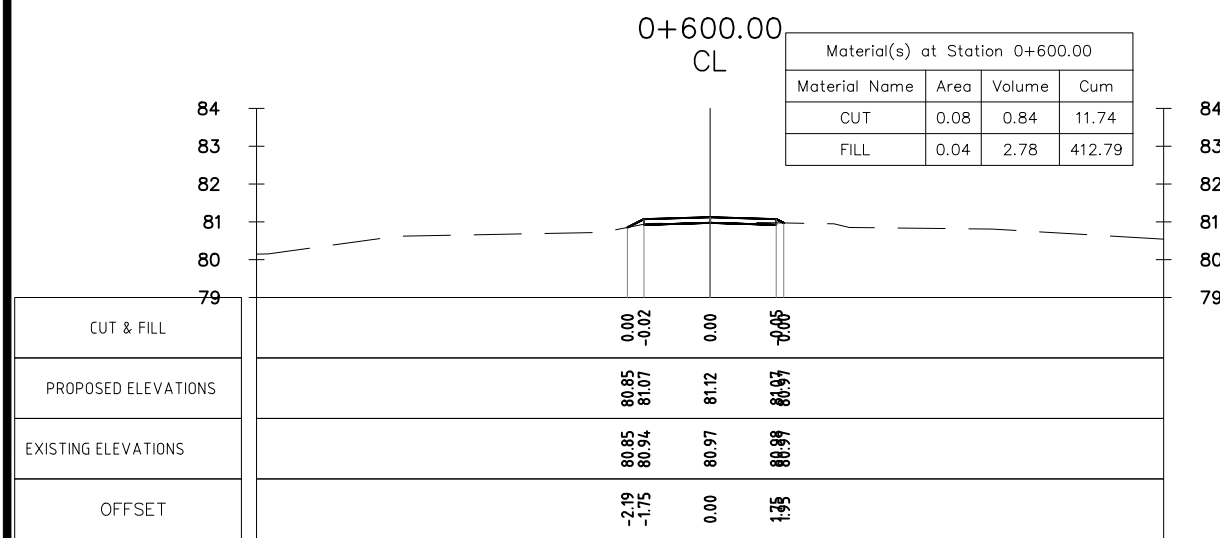
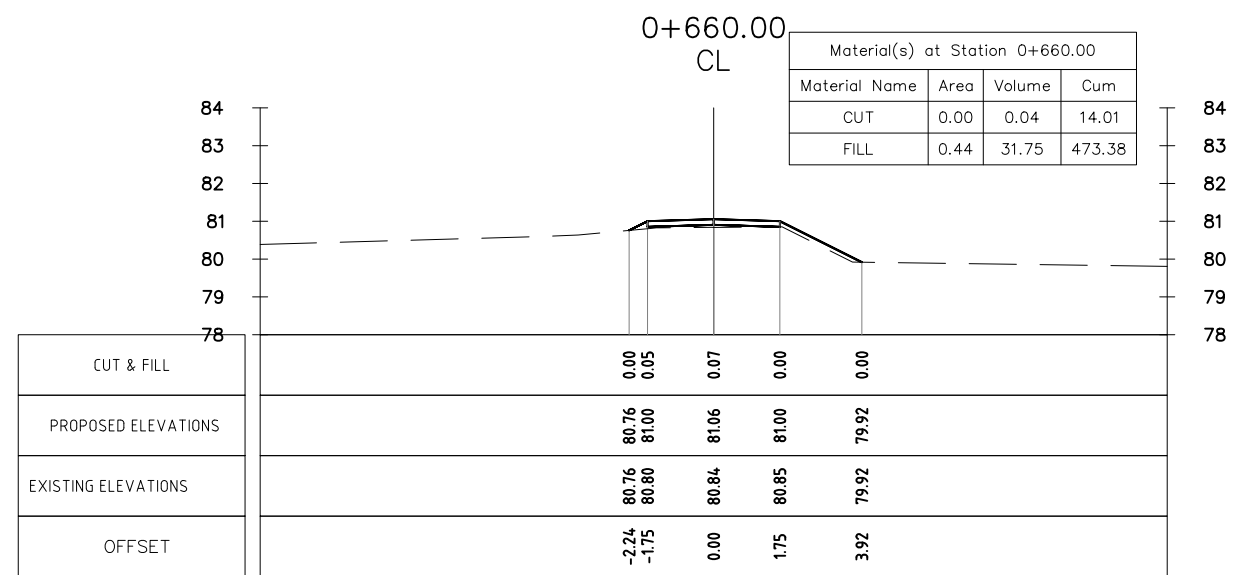
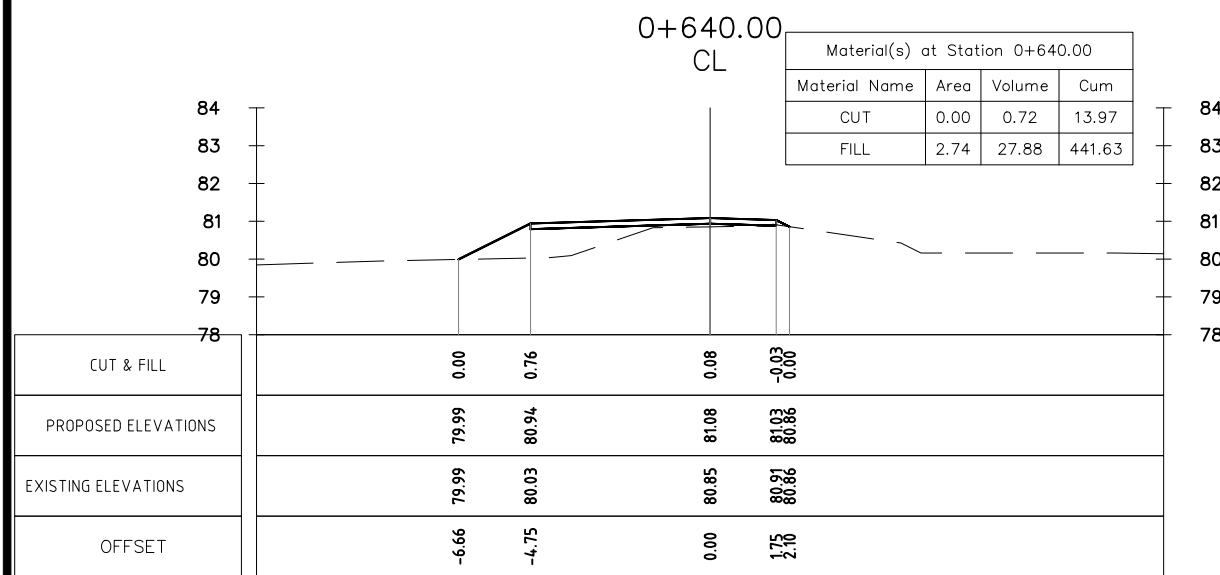
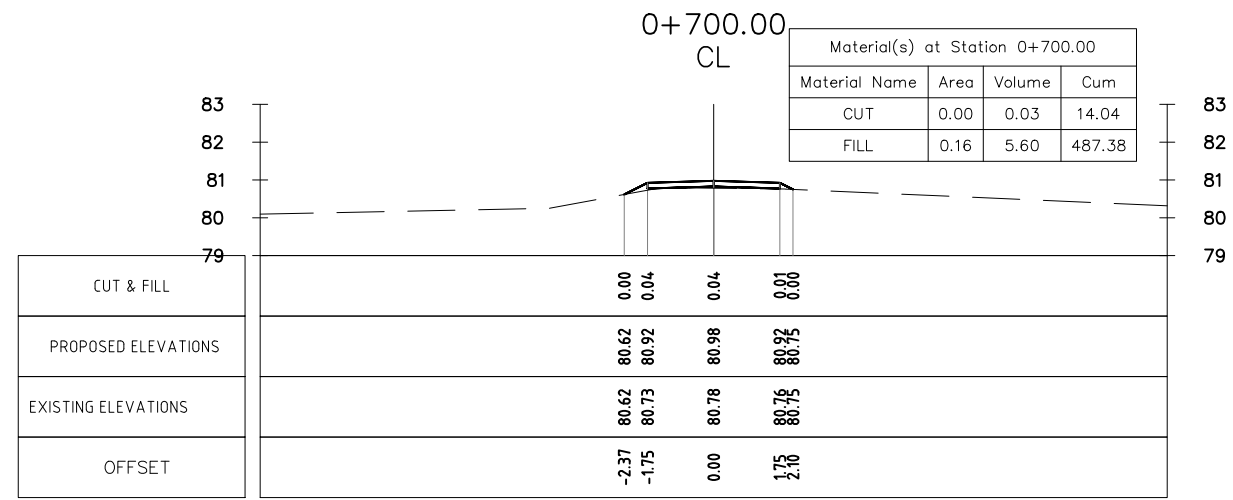
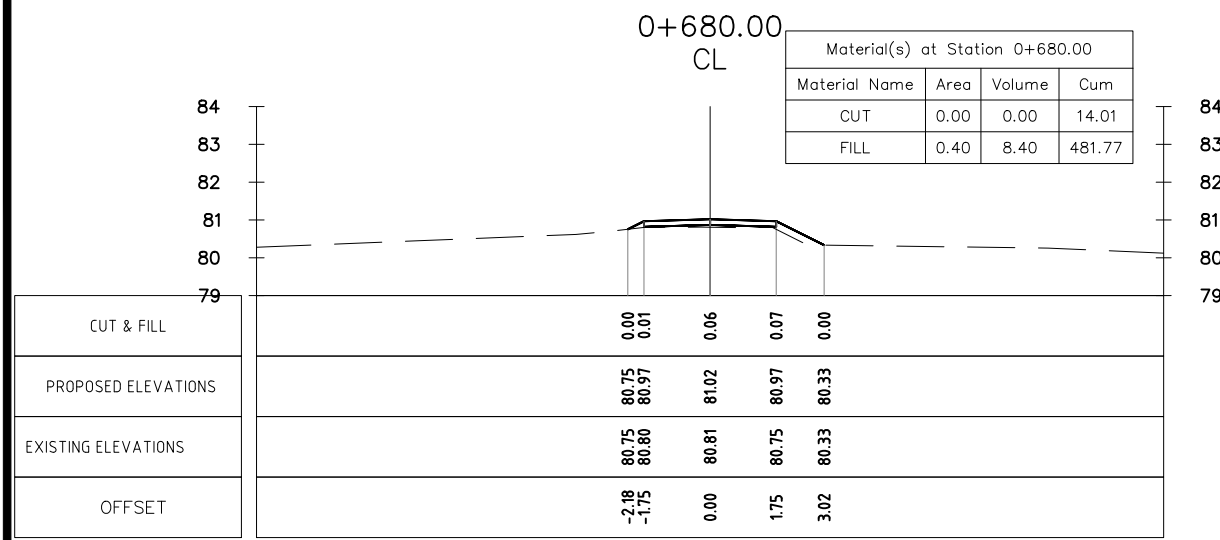
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL02) CROSS - SECTION :Sta. KM0+480-0+580

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-69
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



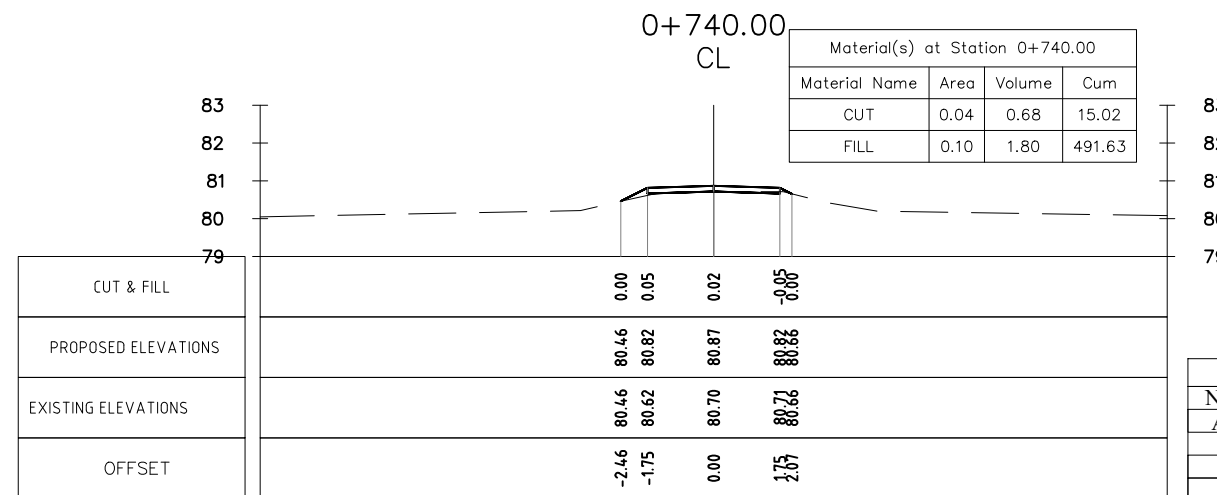
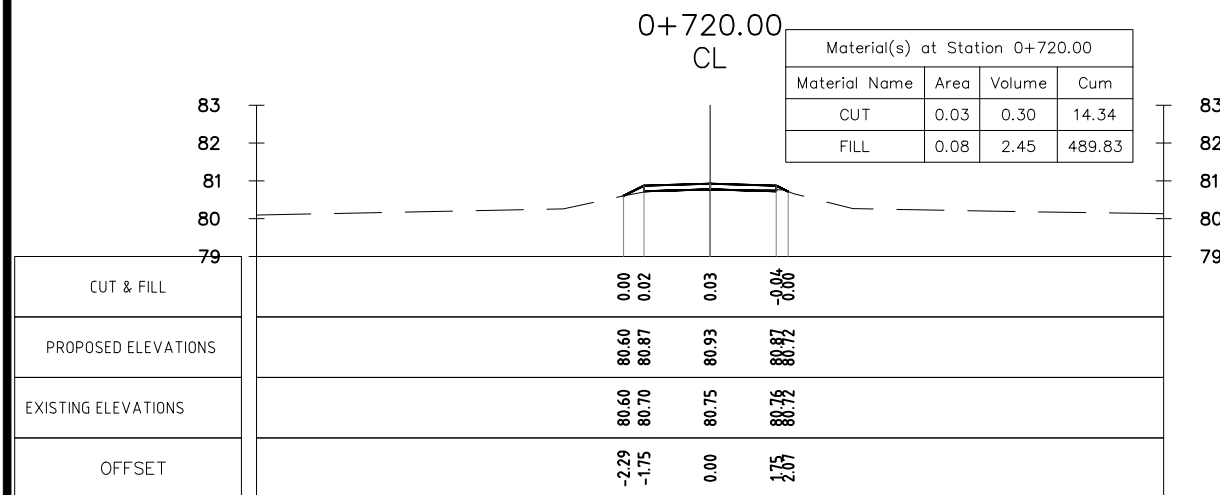
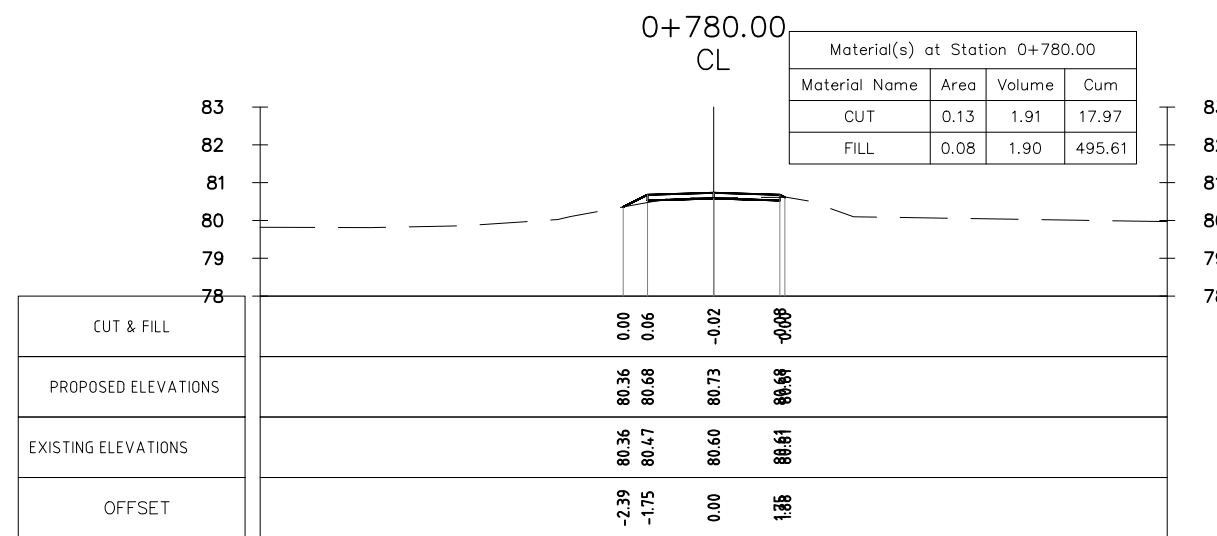
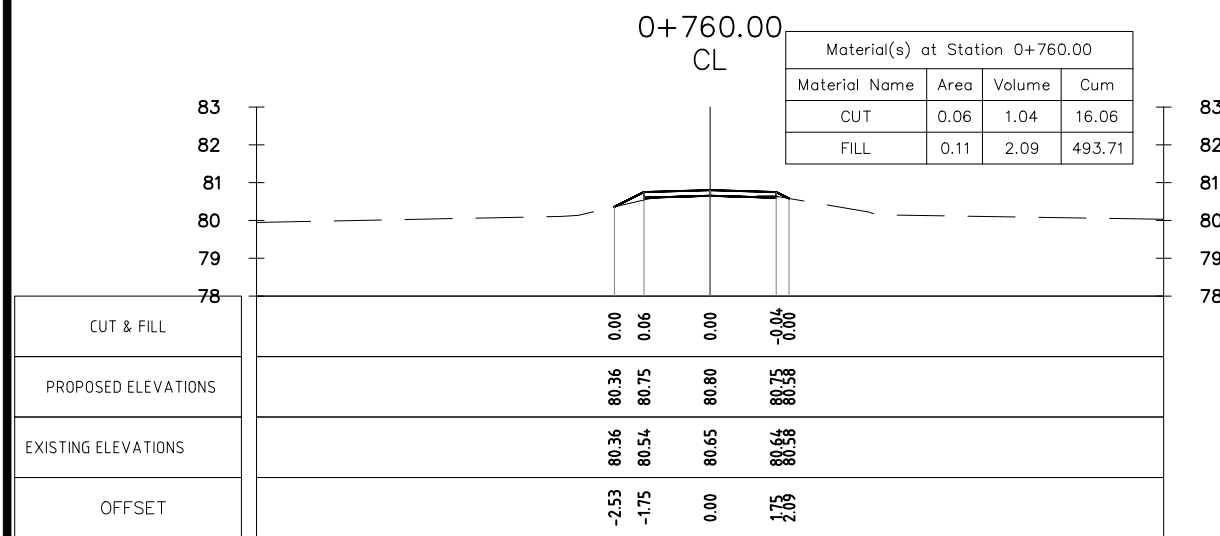
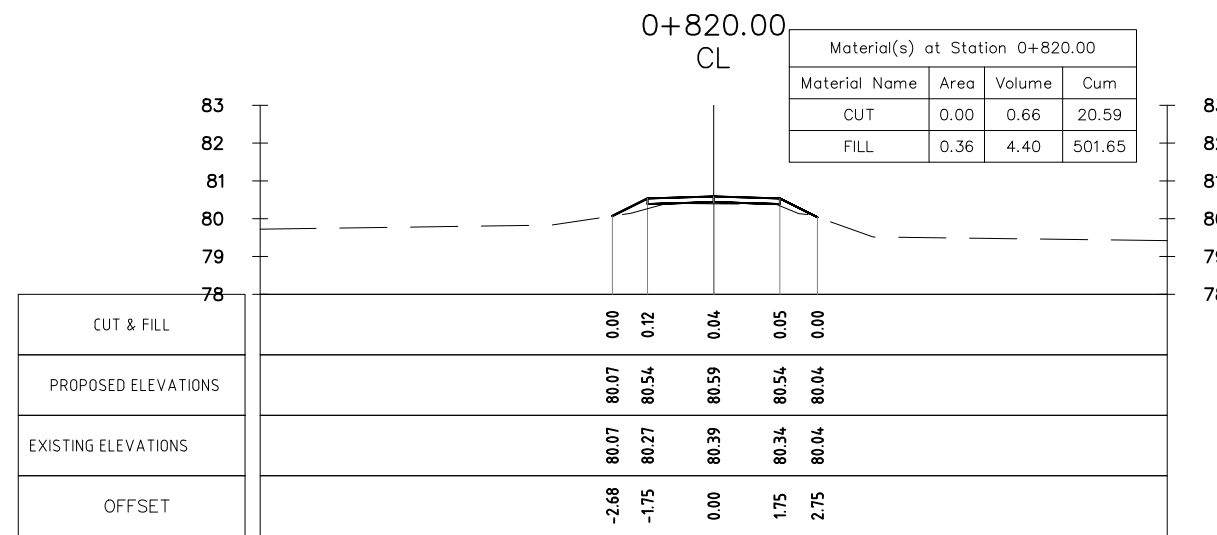
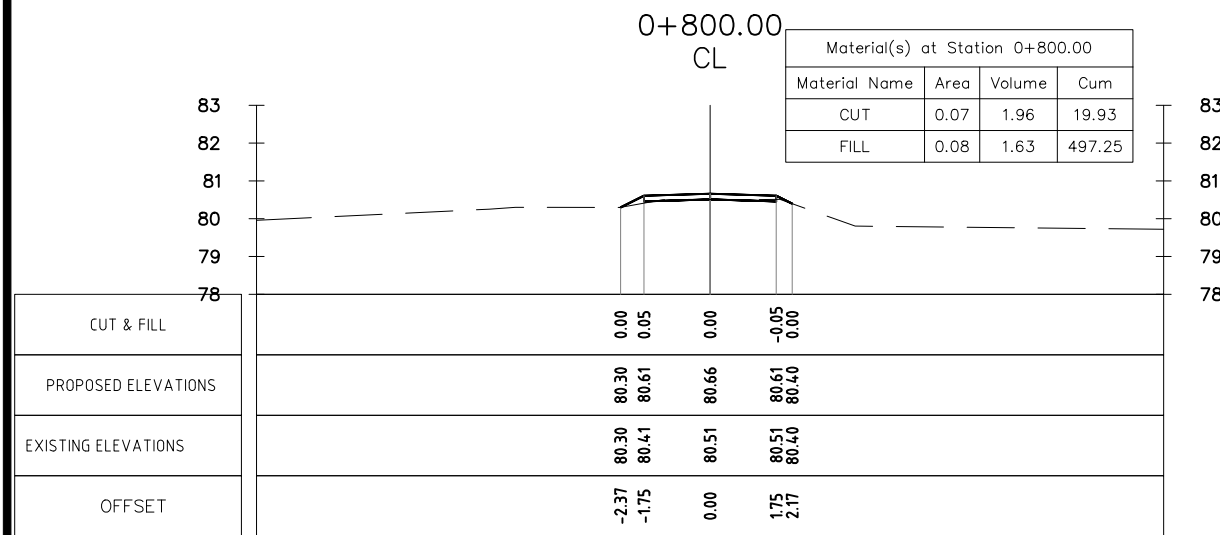
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL02) CROSS - SECTION :Sta. KM0+600-0+700

SCALE IN A3: 1/200      DATE :      DRAWING No. : LAO - NKS      C-70



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



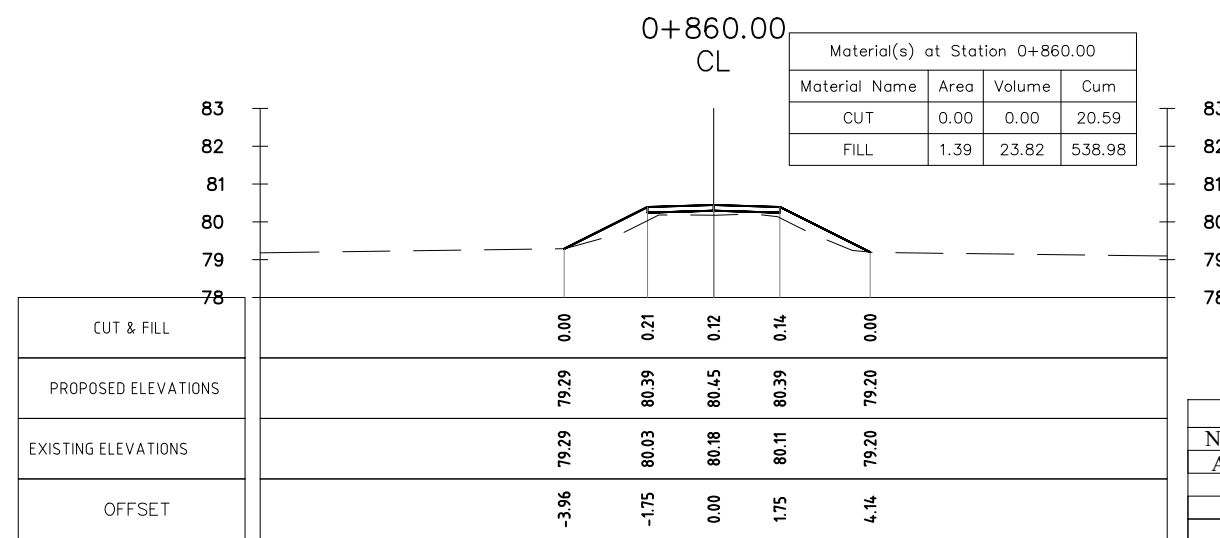
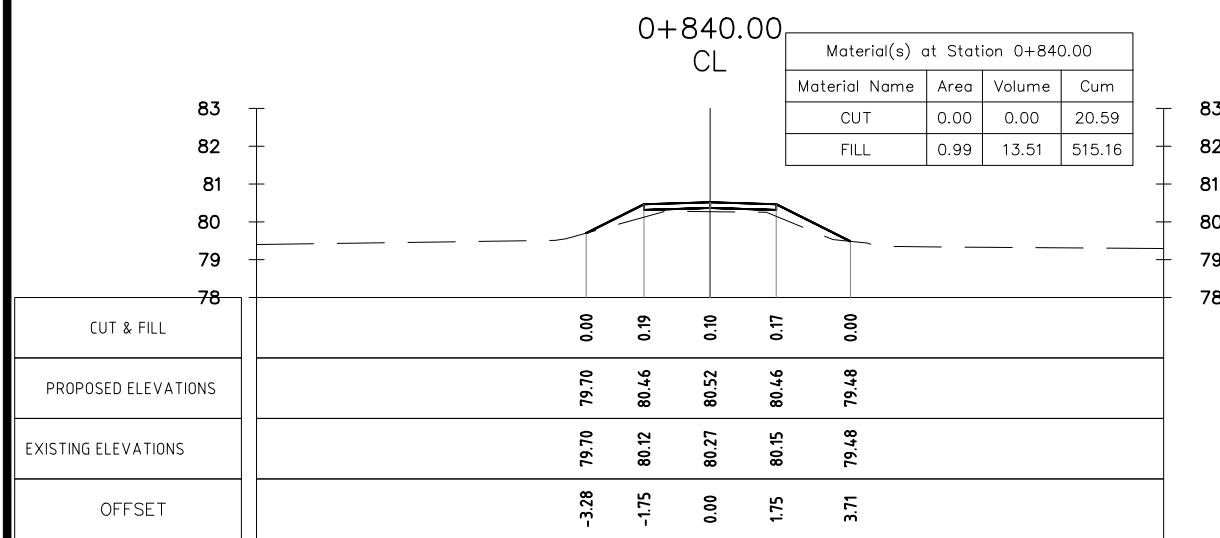
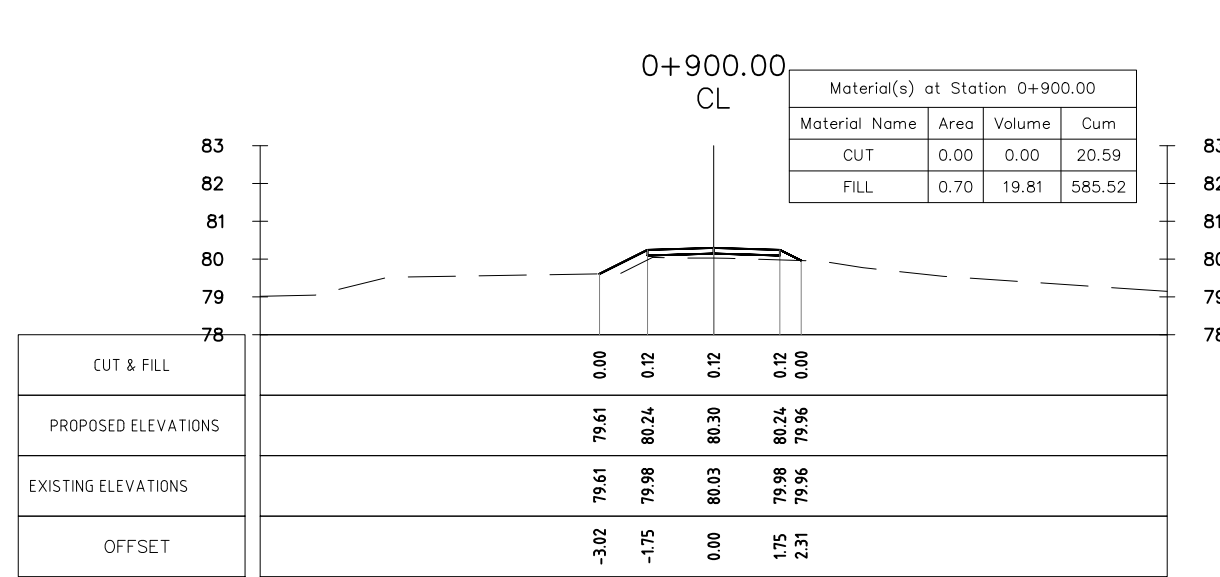
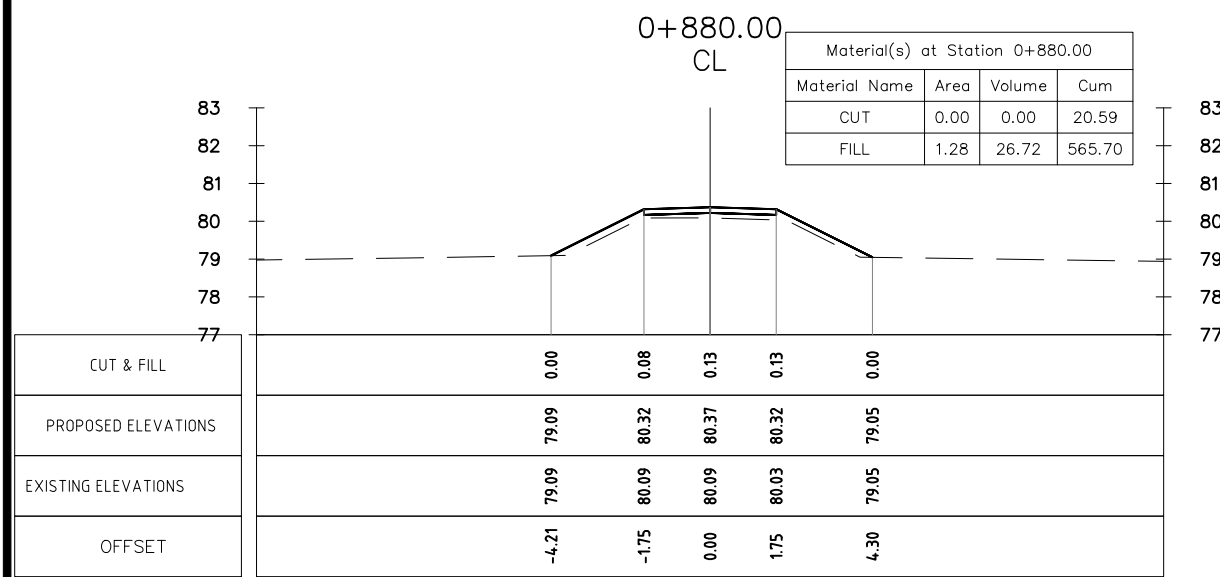
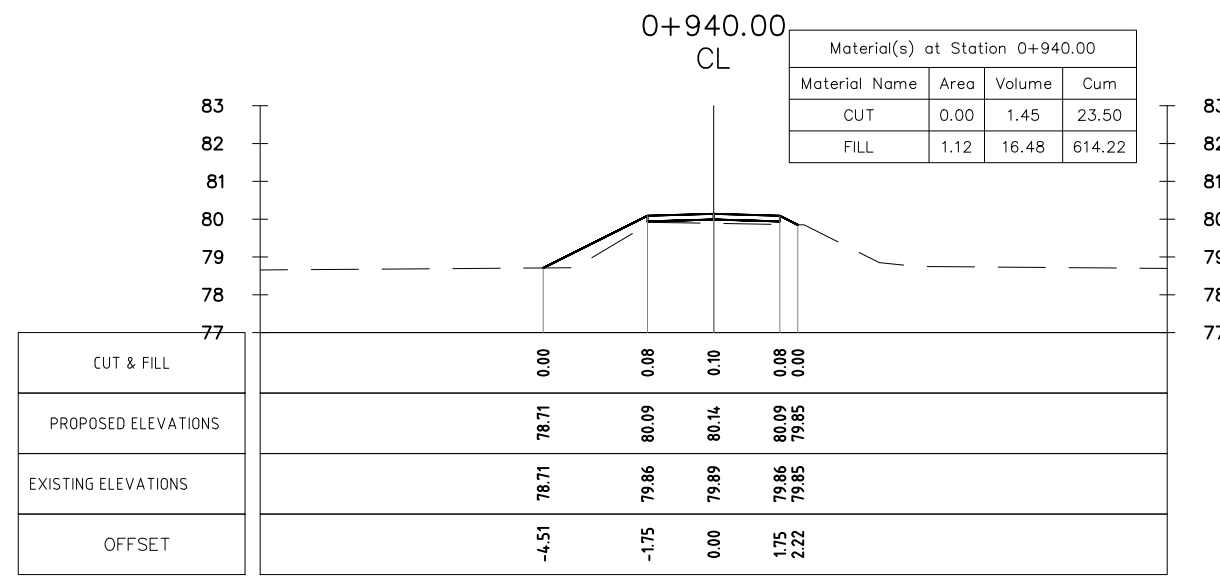
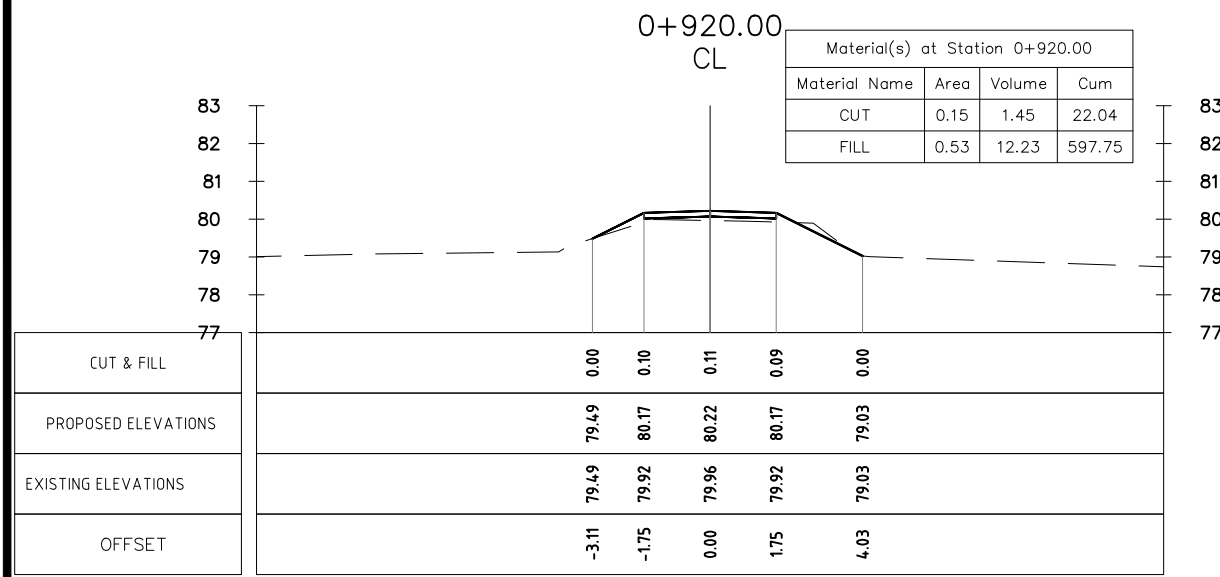
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL02) CROSS - SECTION :Sta. KM0+720-0+820

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-71
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

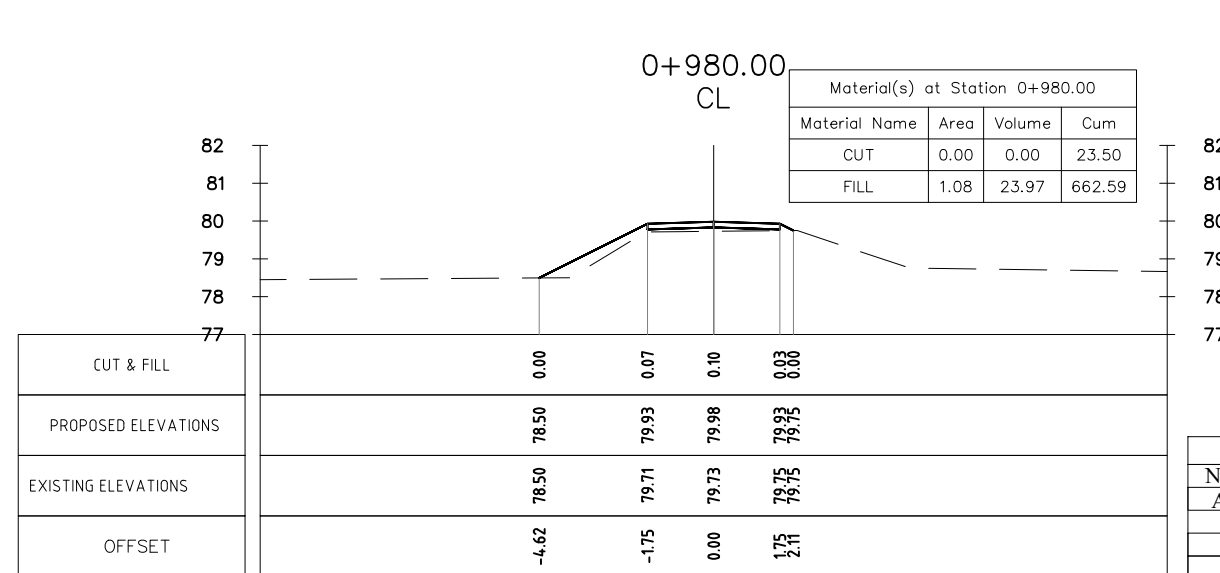
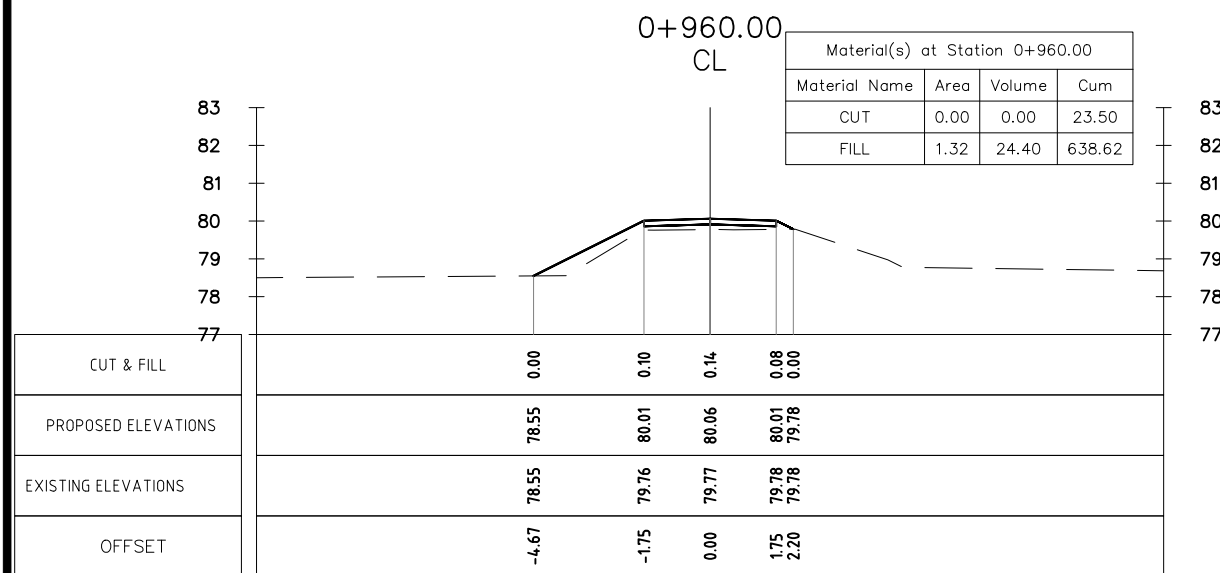
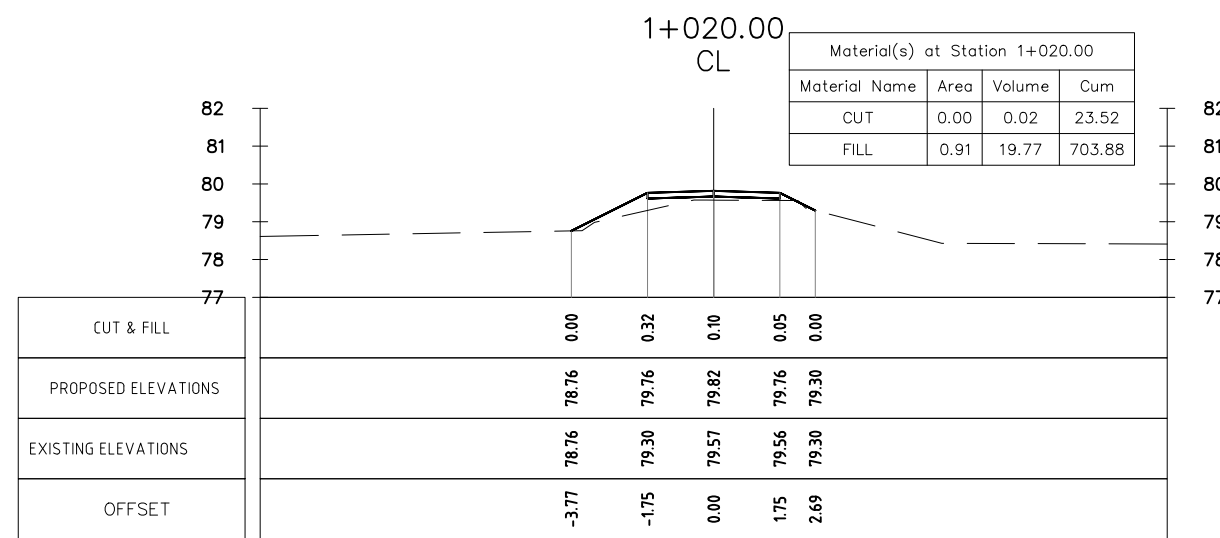
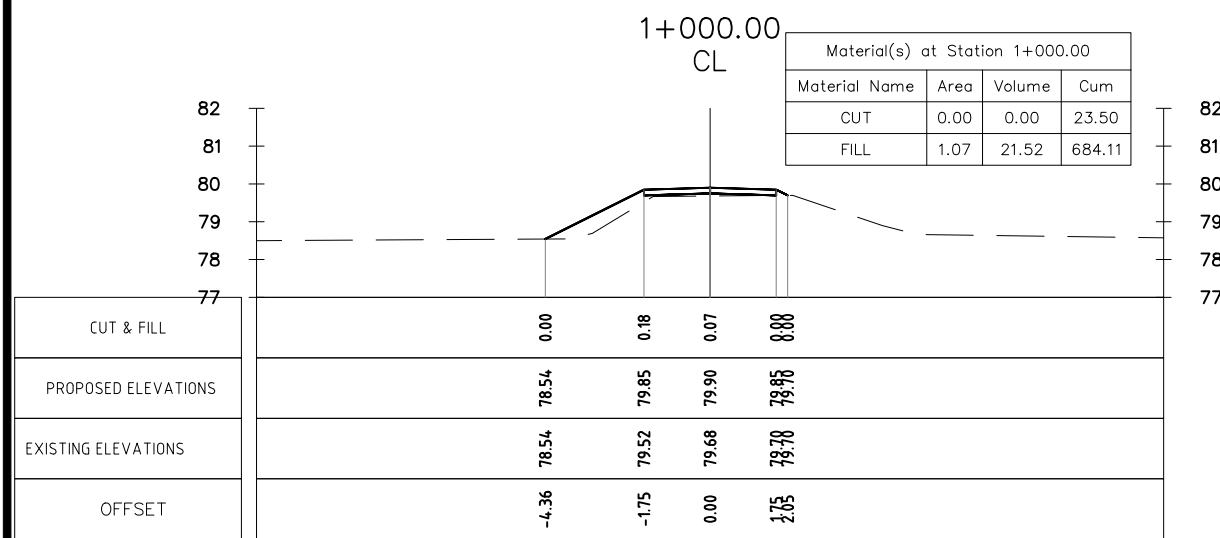
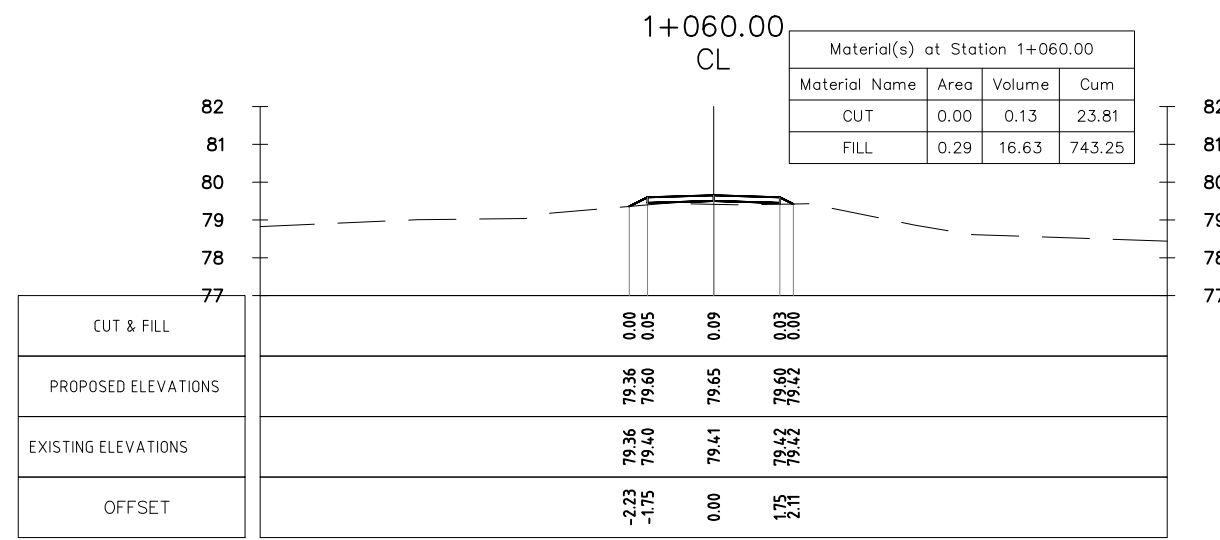
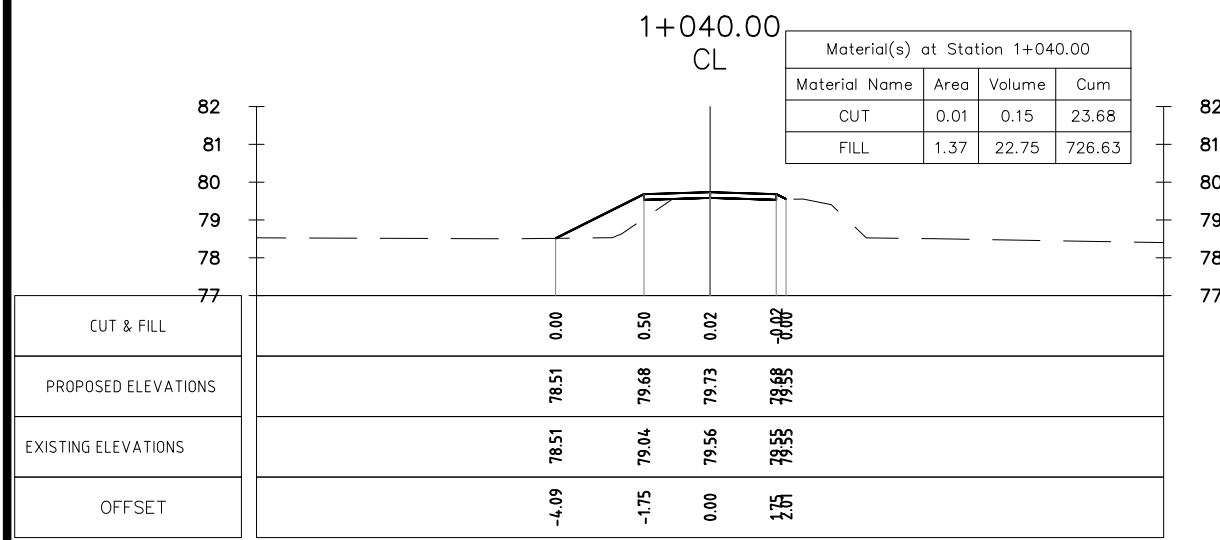


PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL02) CROSS - SECTION :Sta. KM0+840-0+940

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-72
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

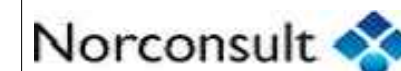
TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



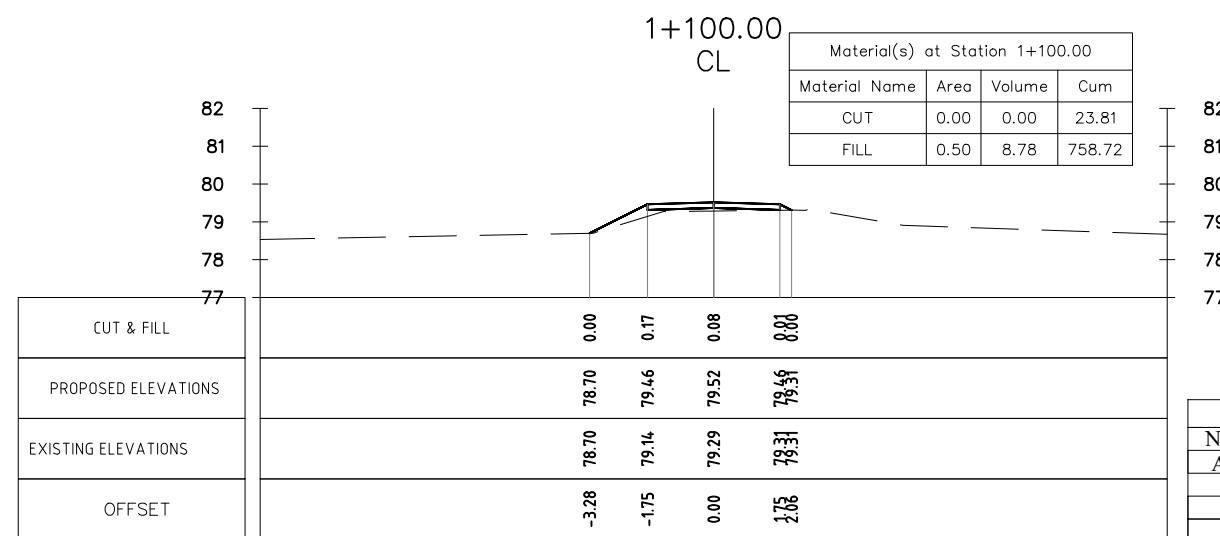
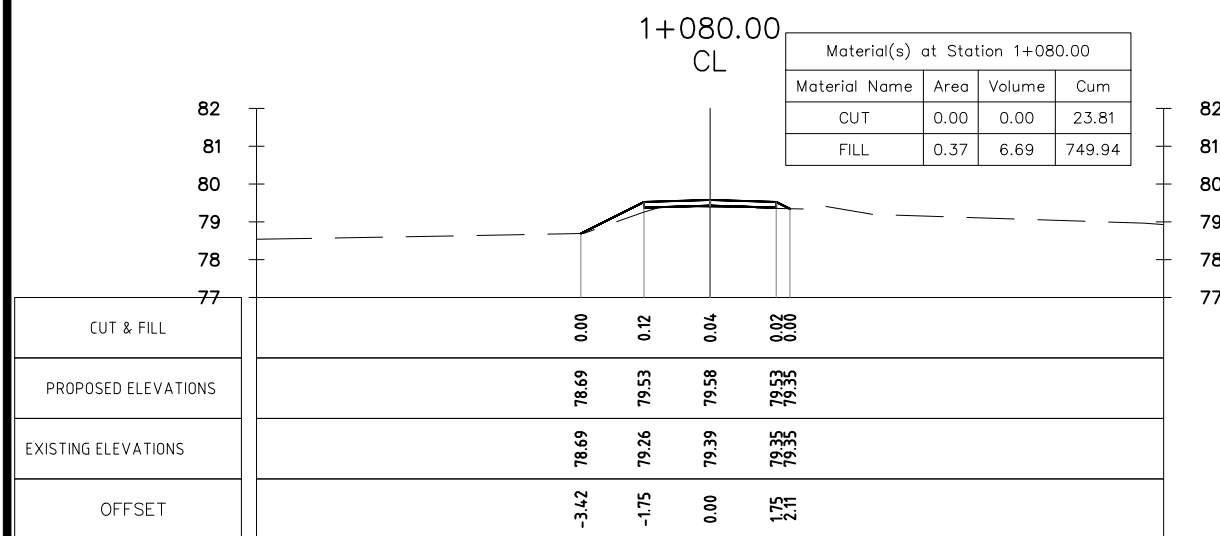
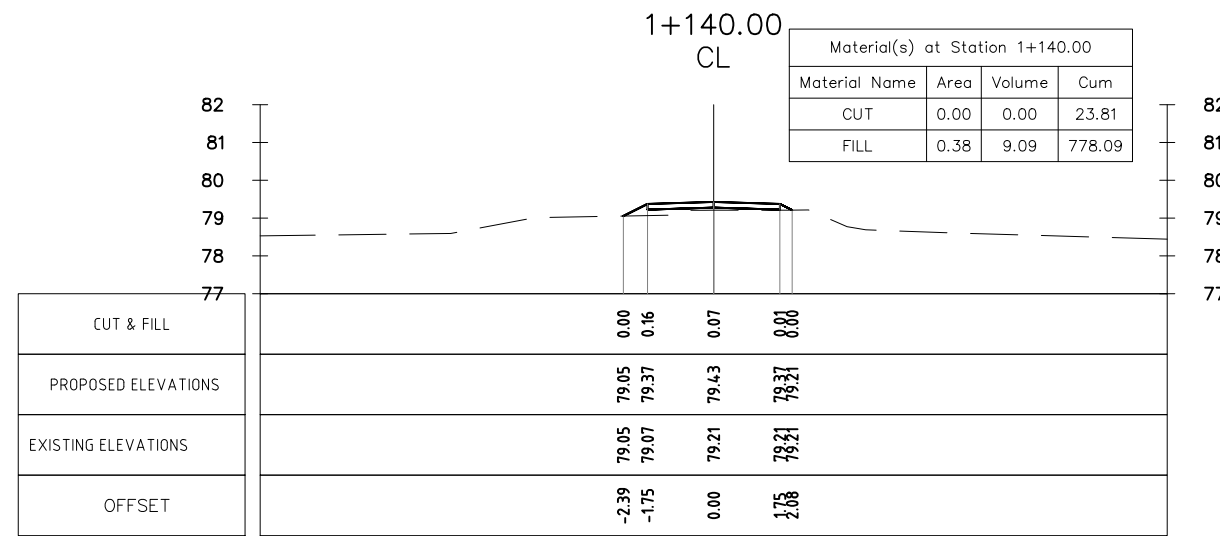
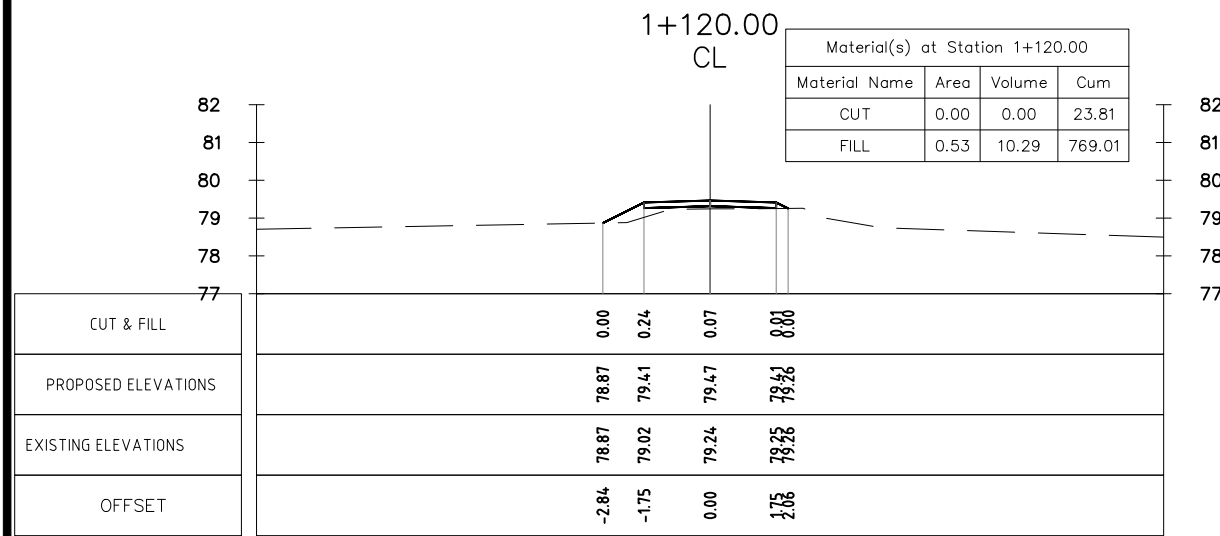
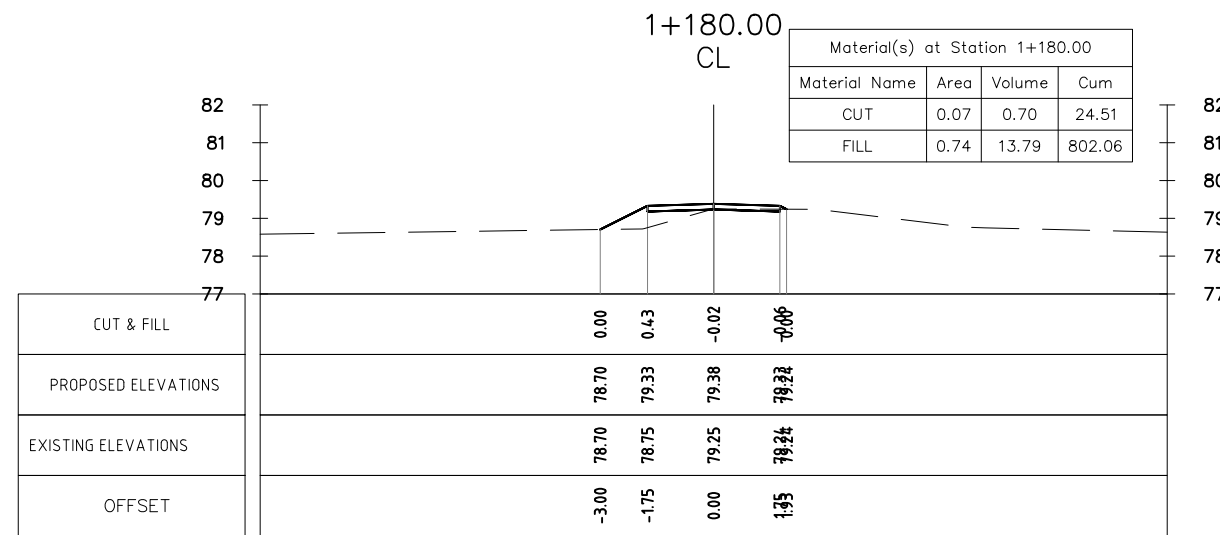
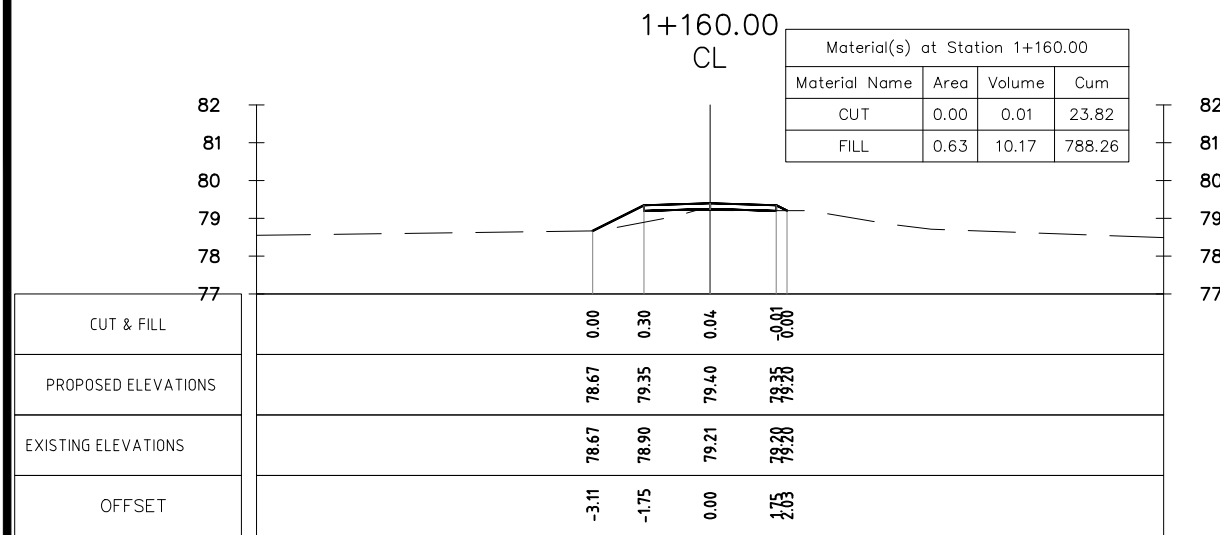
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL02) CROSS - SECTION :Sta. KM0+960-1+060

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-73
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



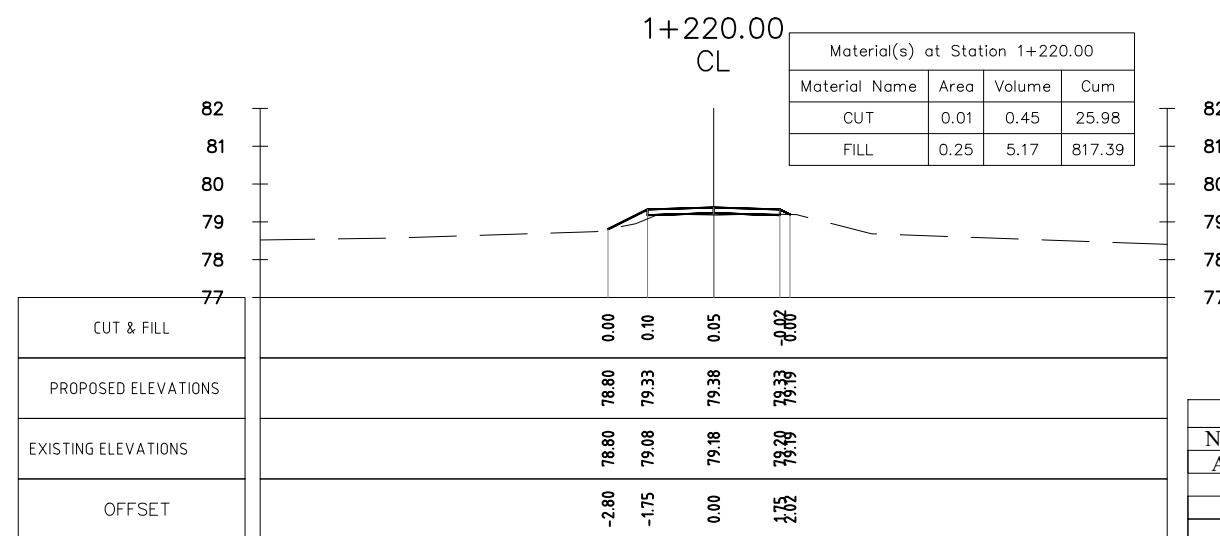
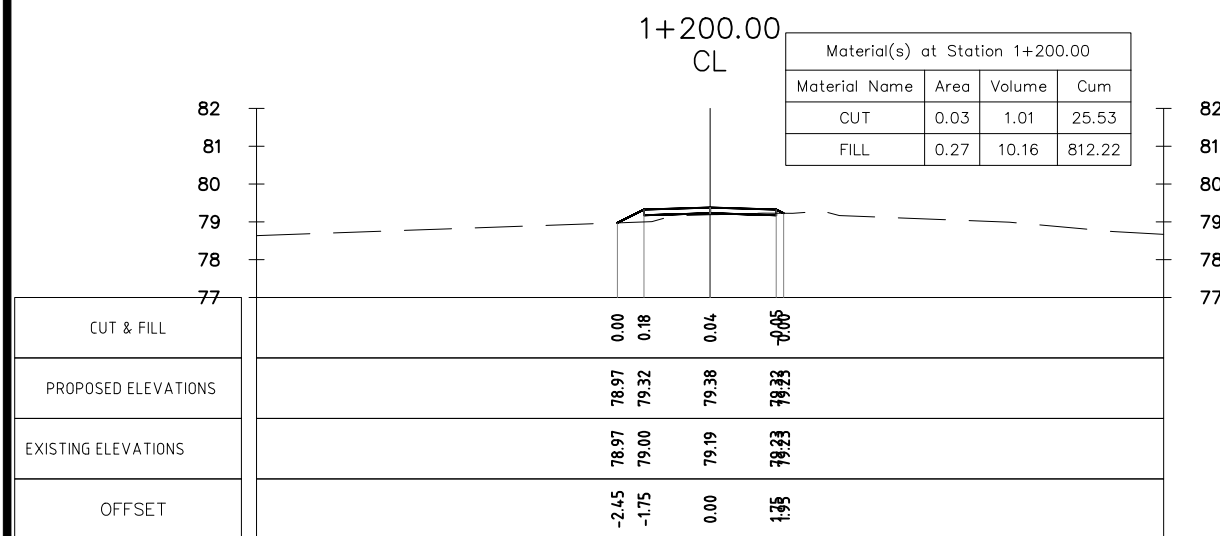
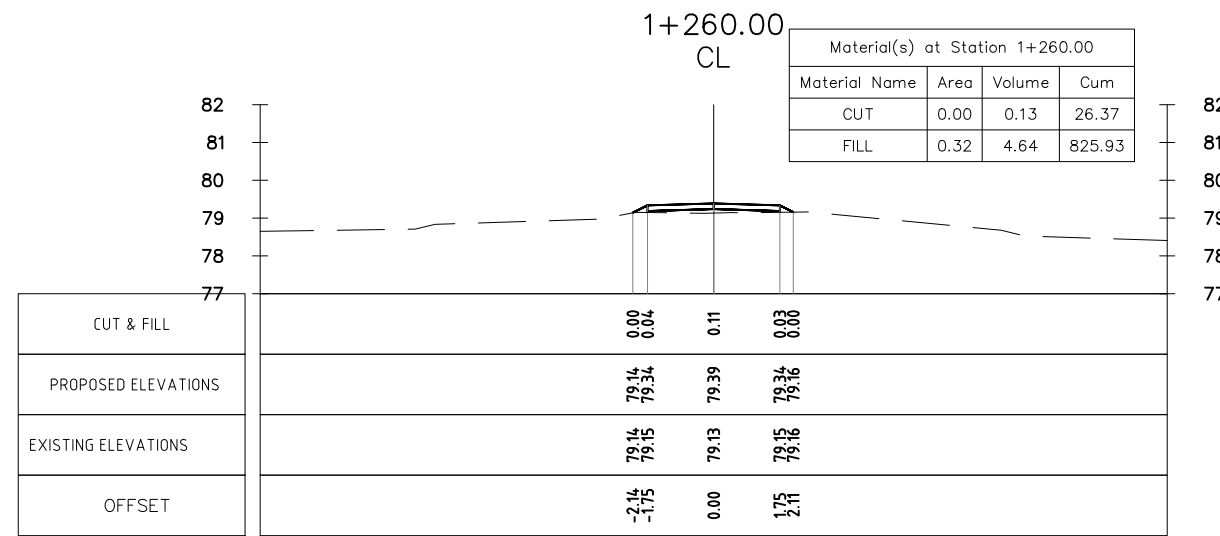
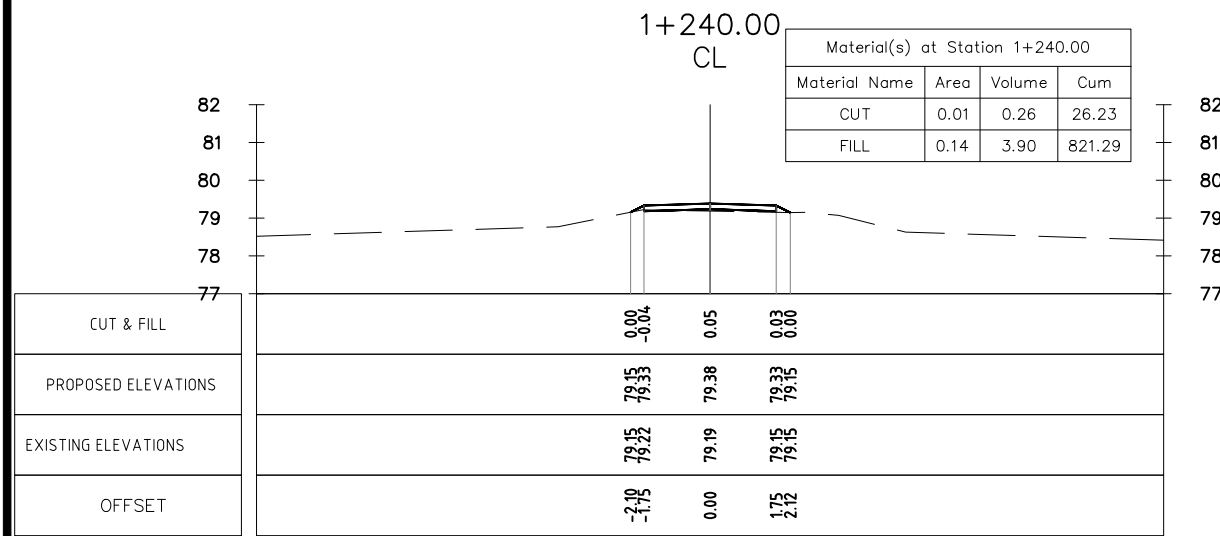
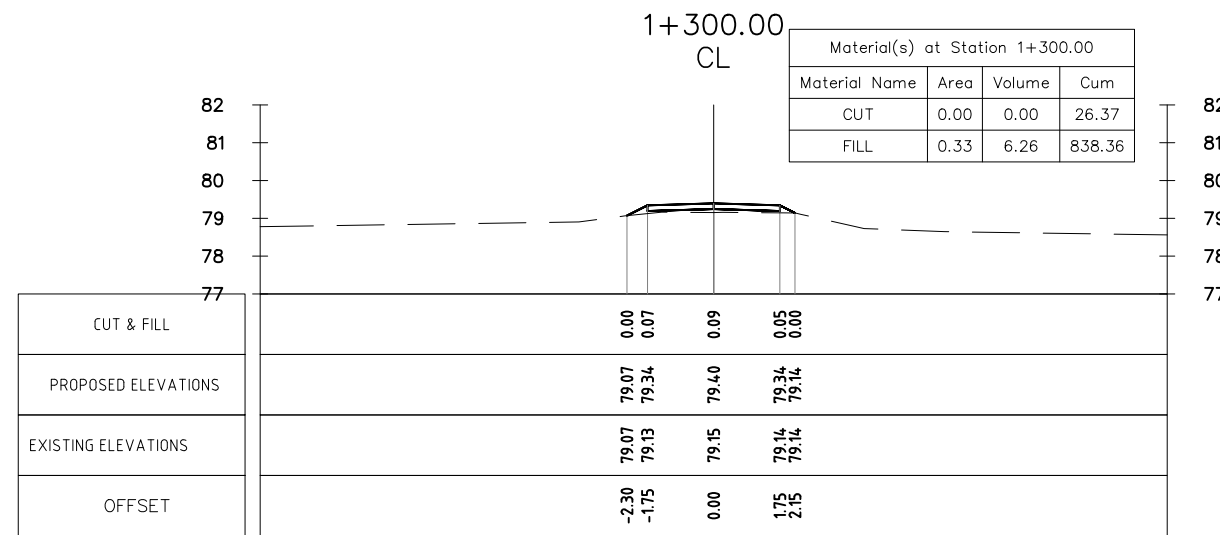
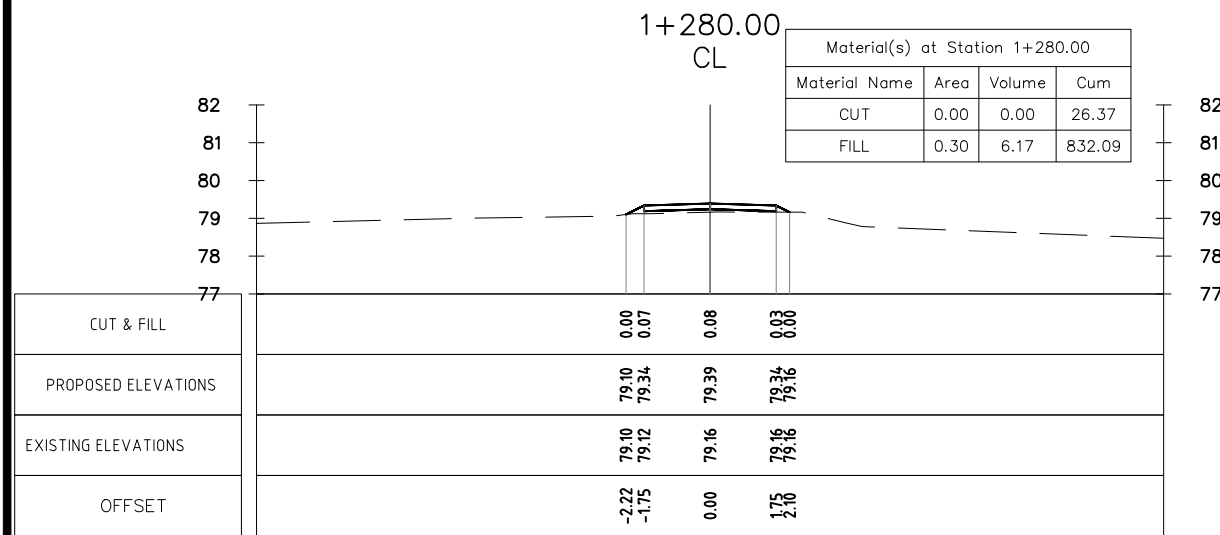
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL02) CROSS - SECTION :Sta. KM1+080-1+180

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-74
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



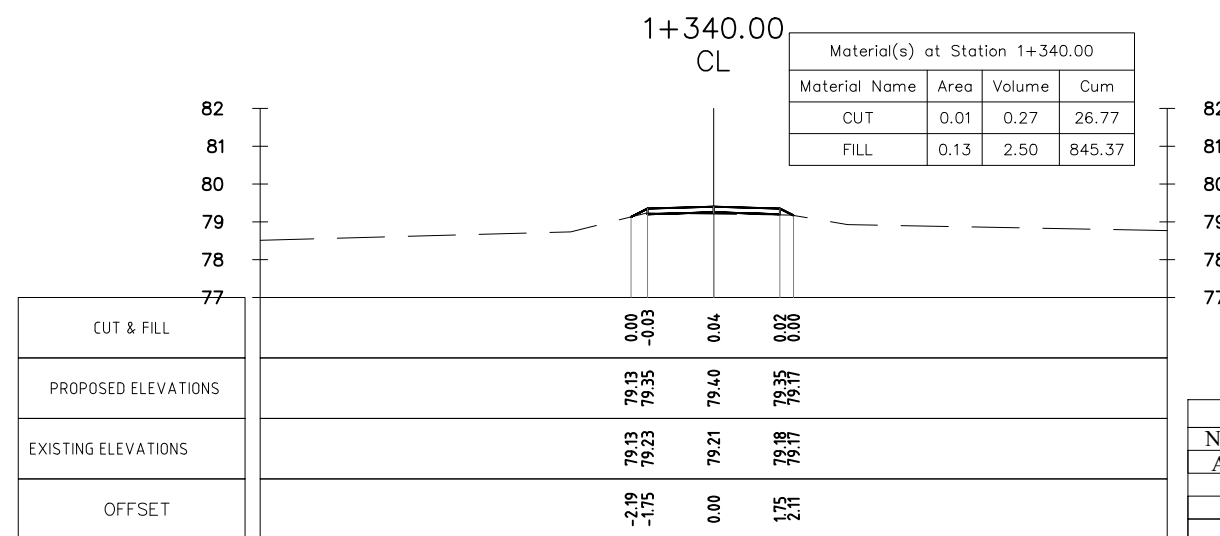
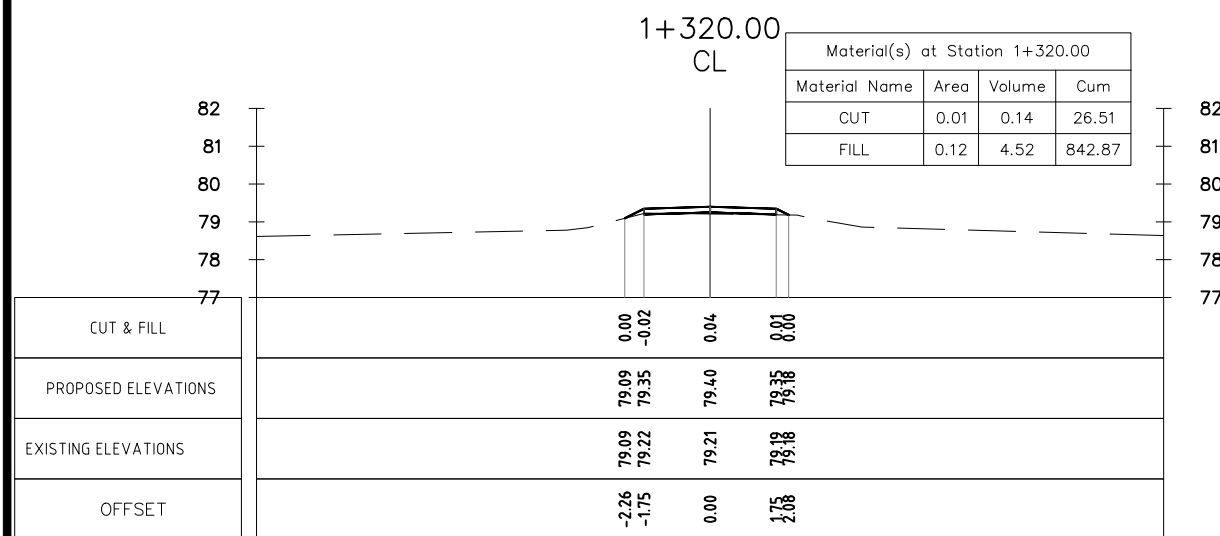
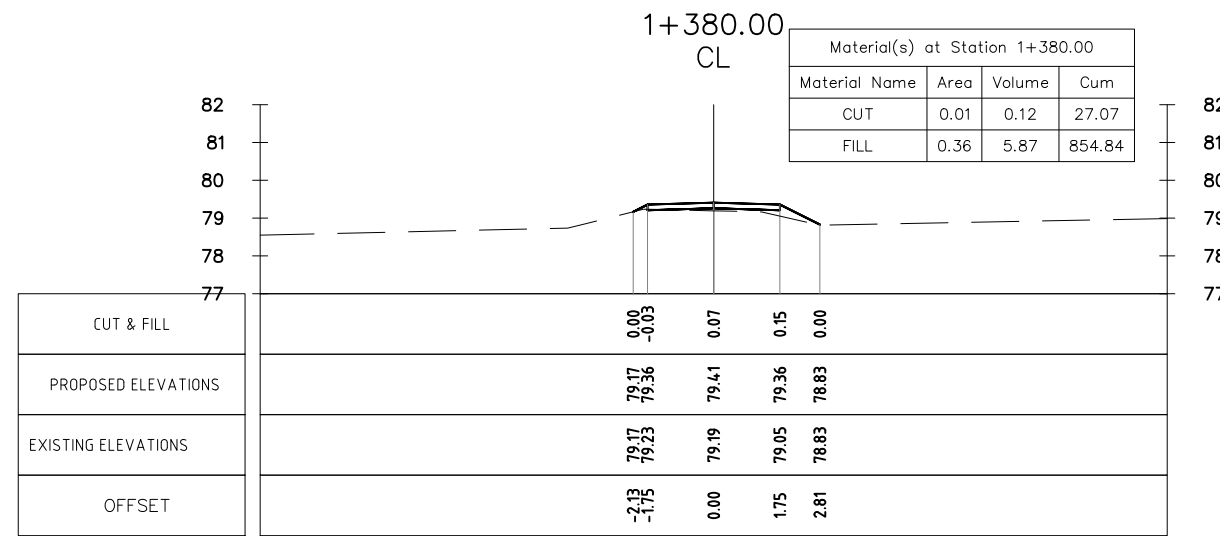
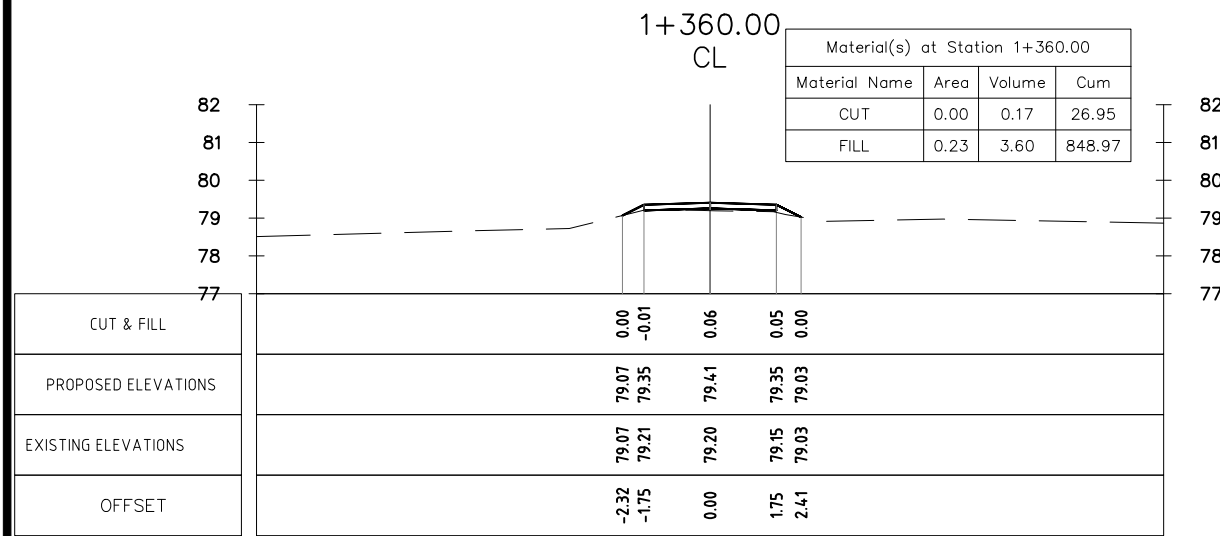
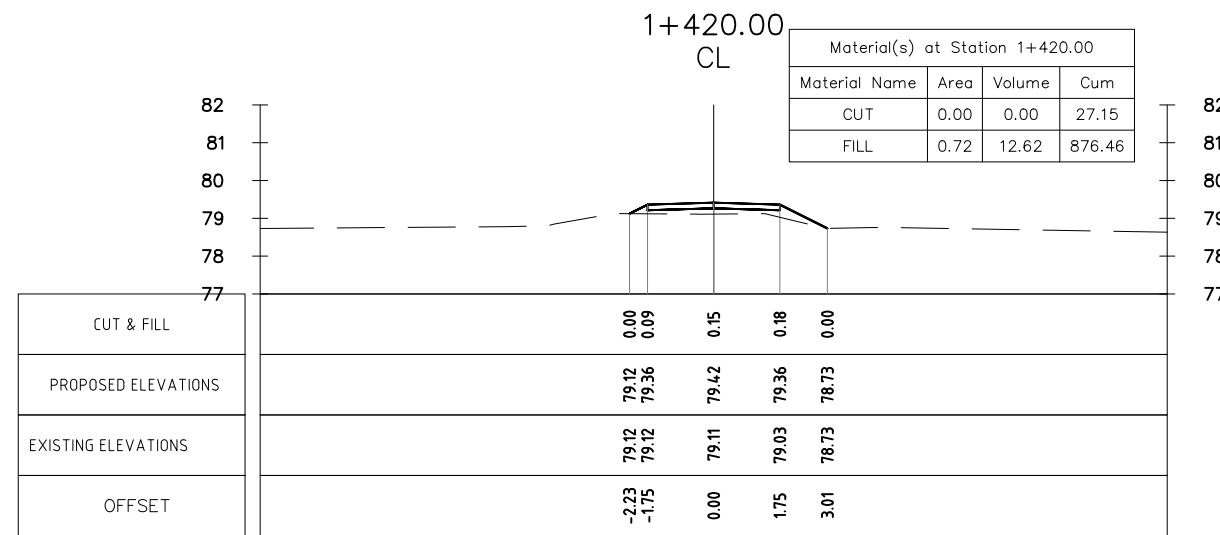
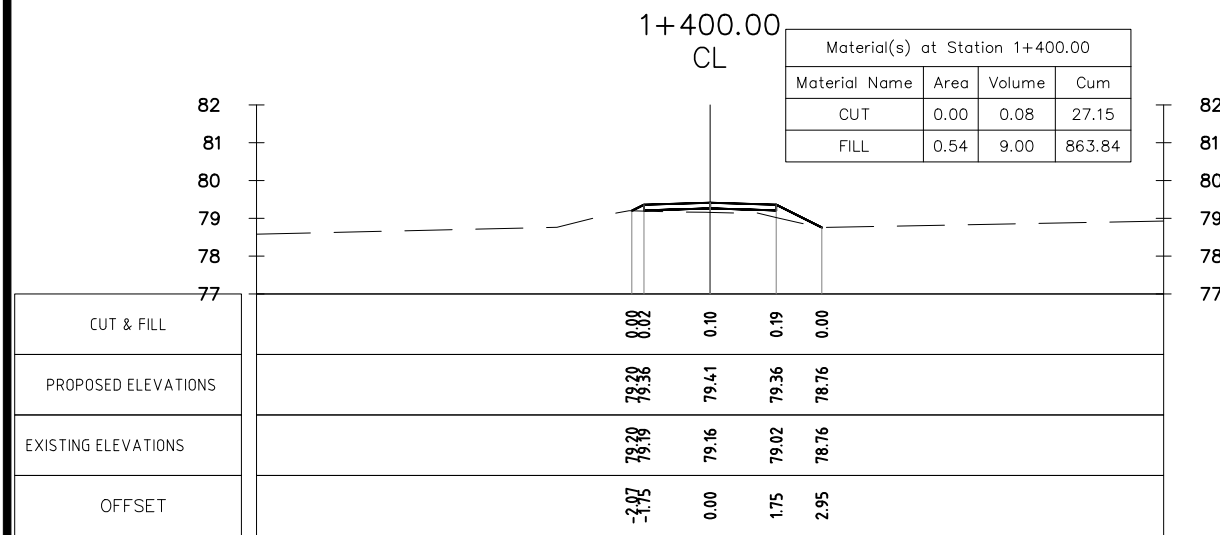
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL02) CROSS - SECTION :Sta. KM1+200-1+300

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-75
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

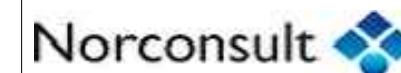
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 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



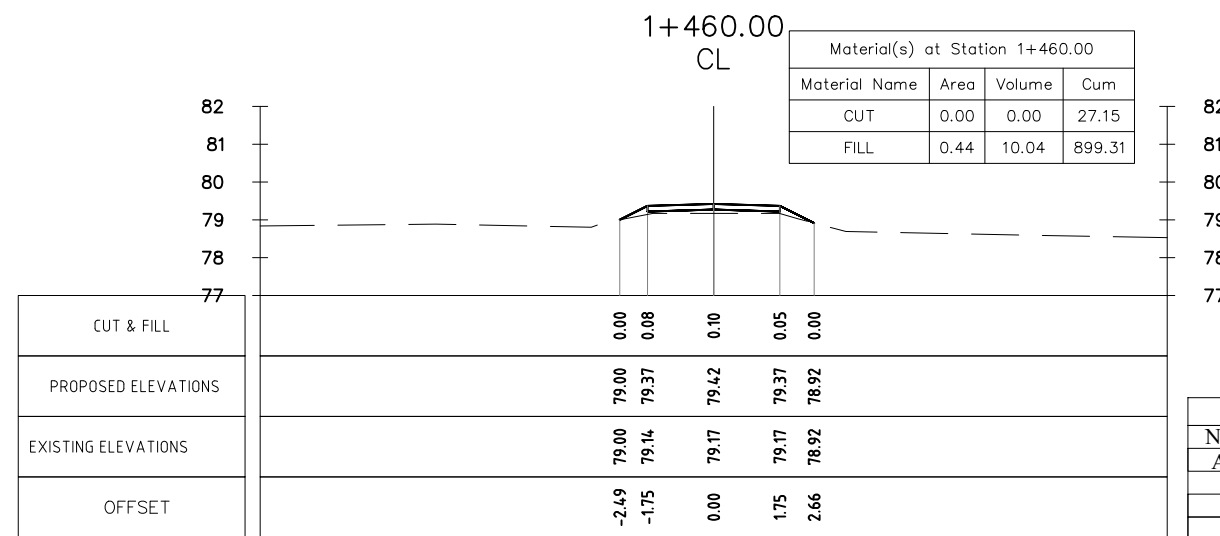
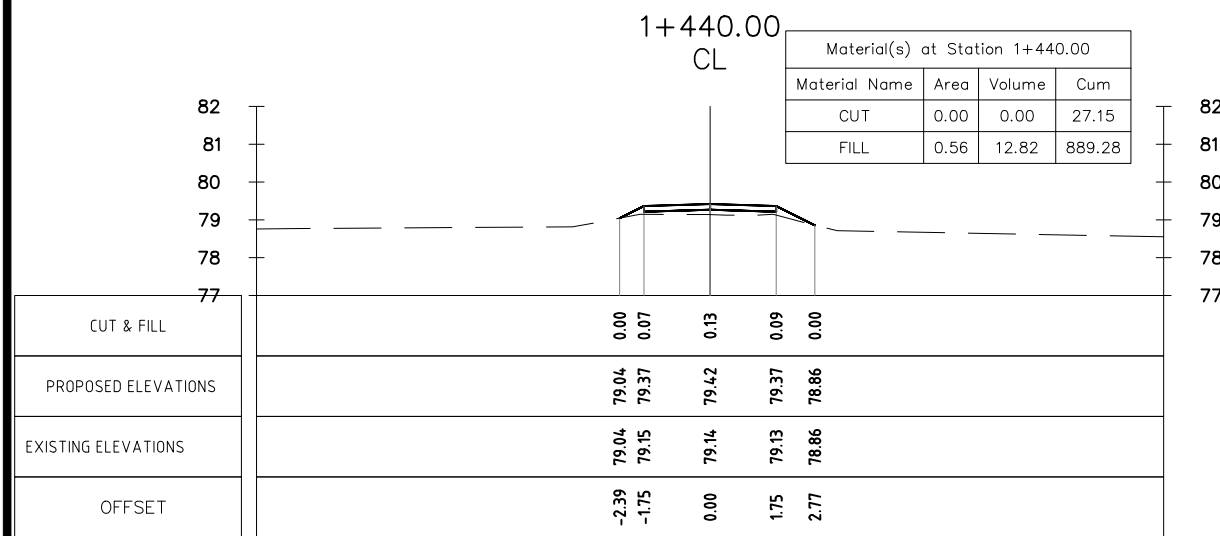
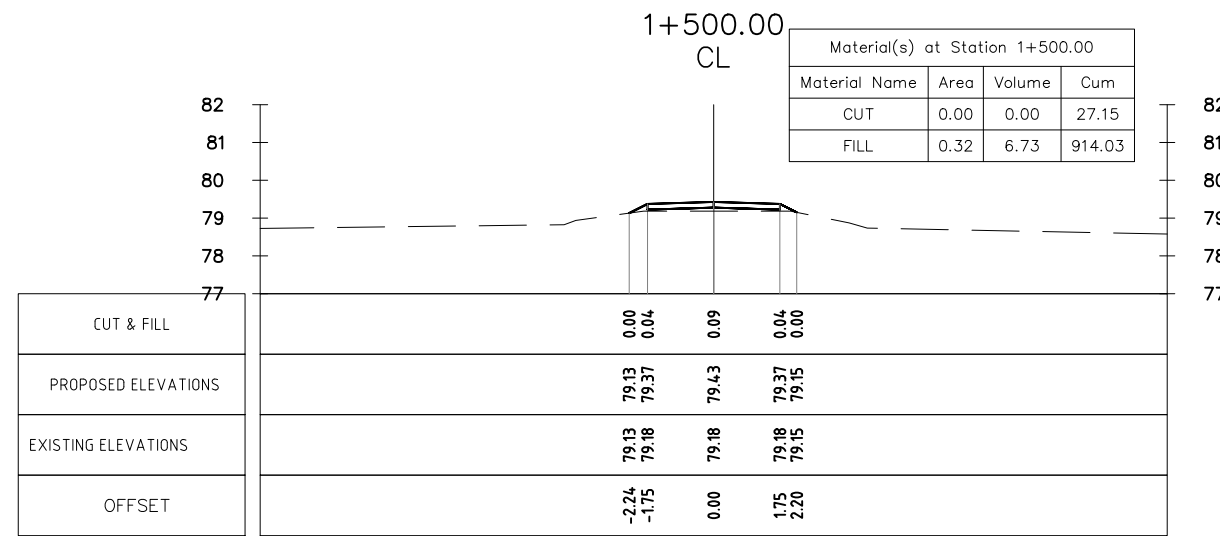
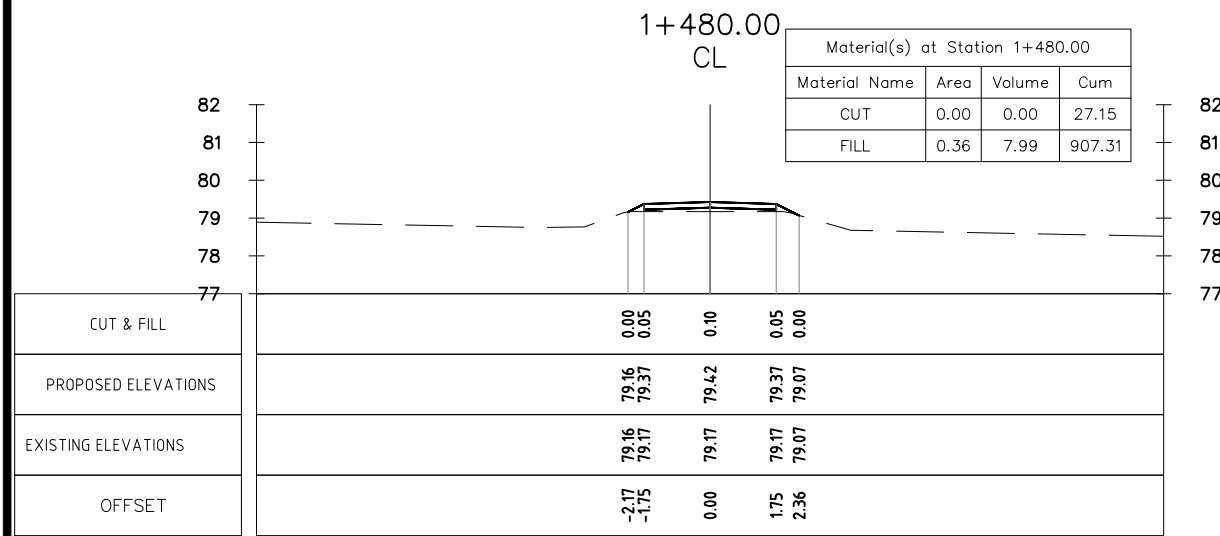
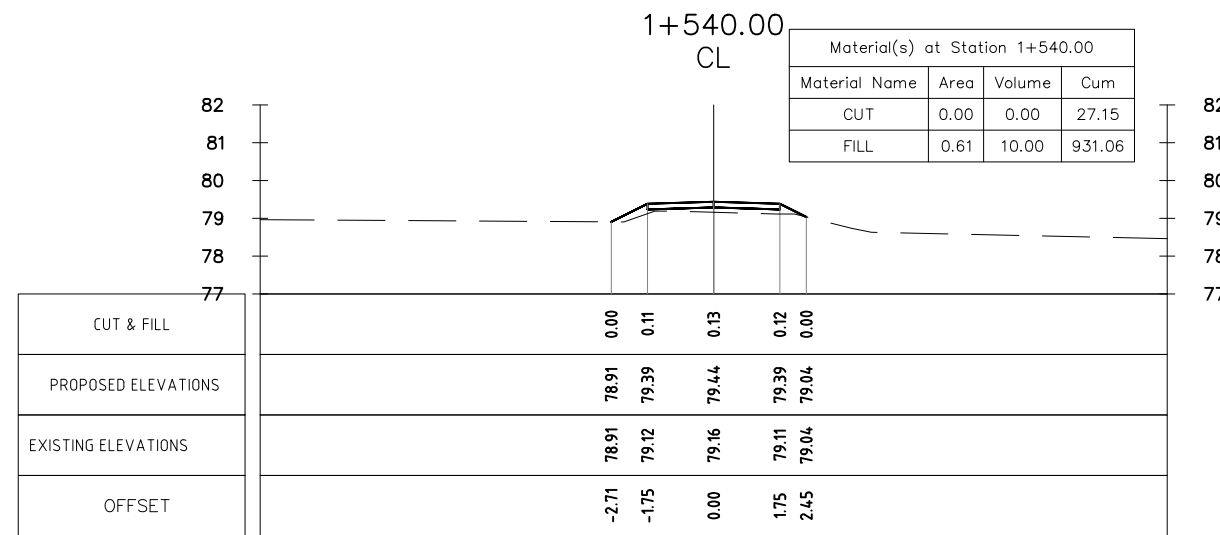
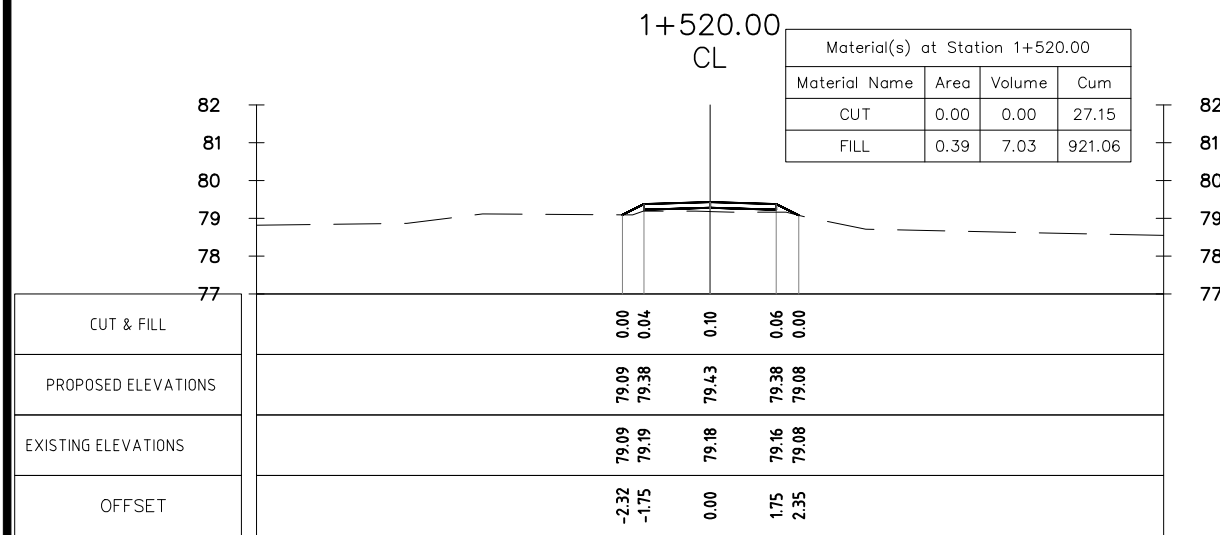
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL02) CROSS - SECTION :Sta. KM1+320-1+420

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-76
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



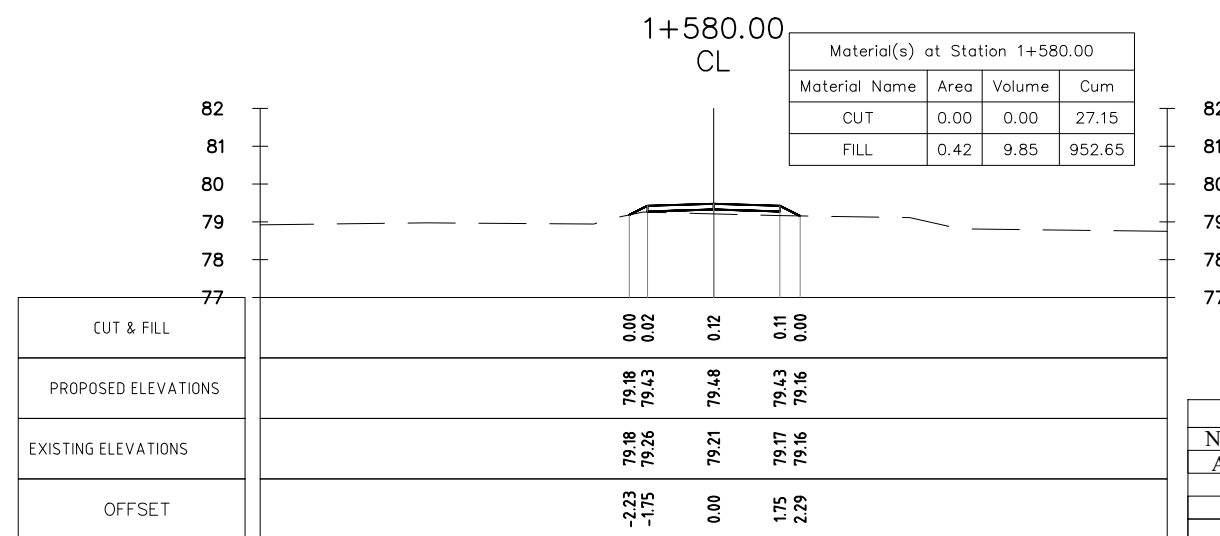
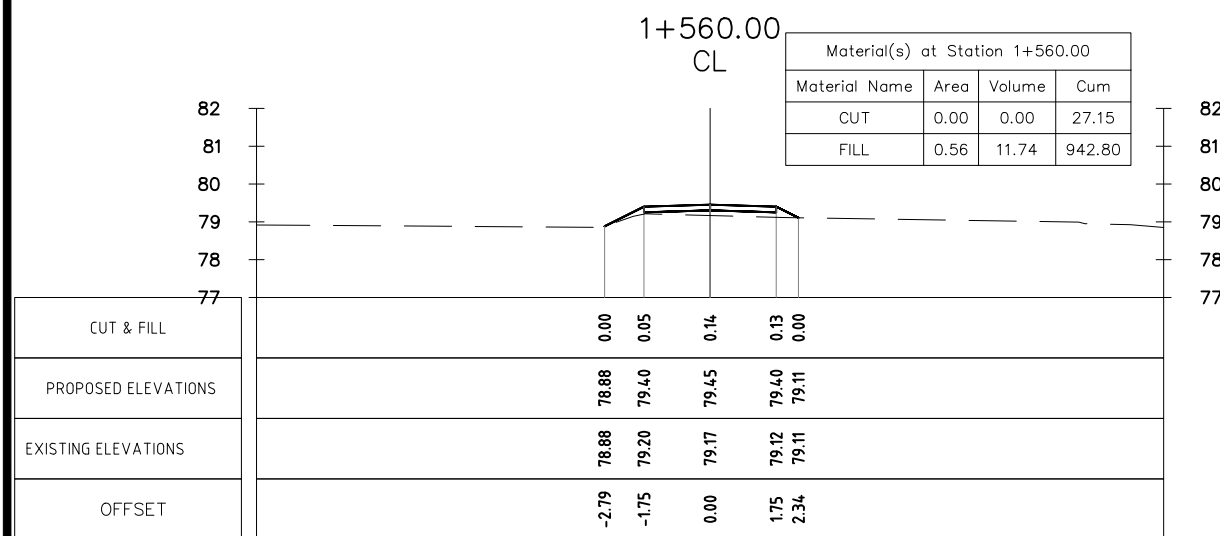
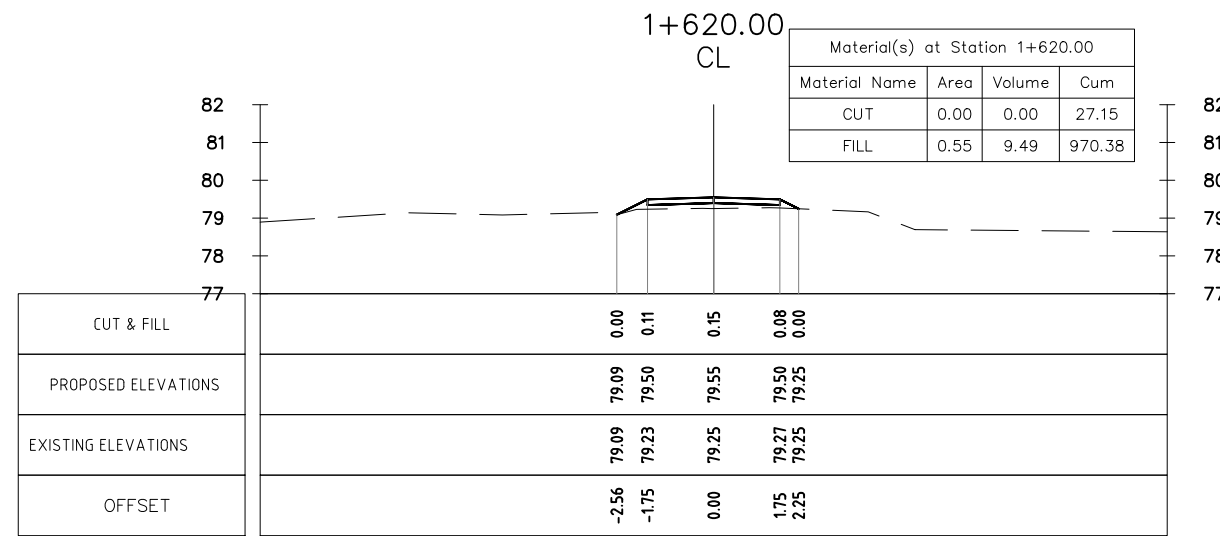
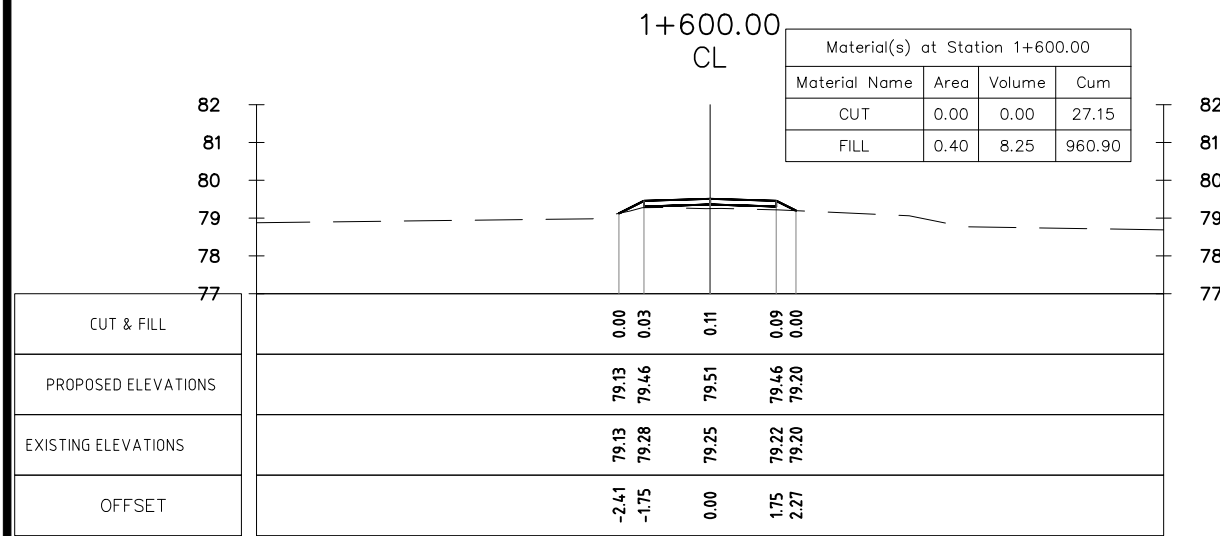
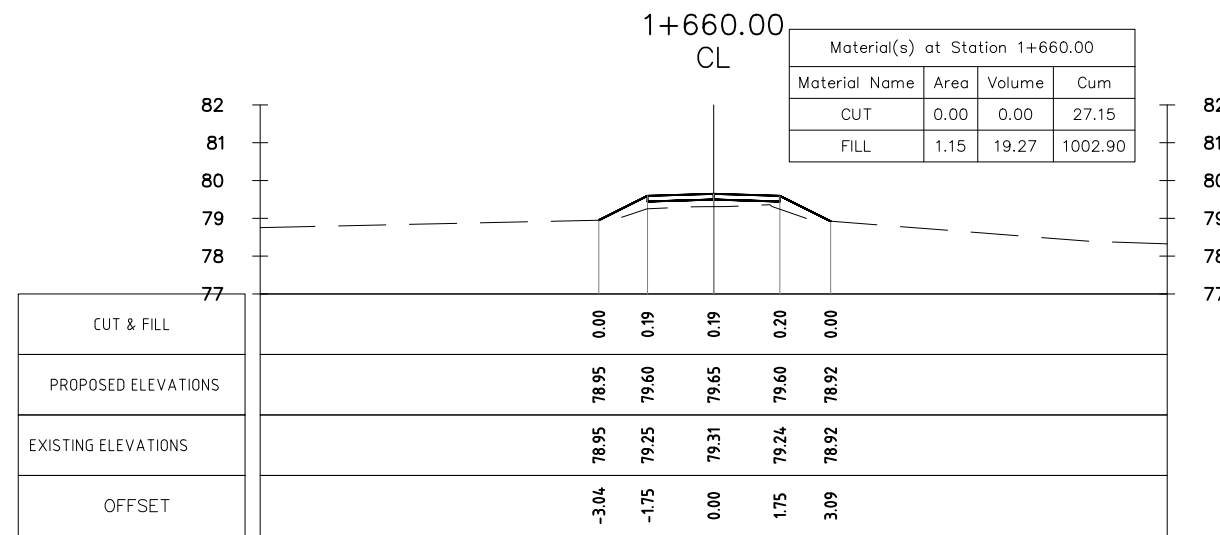
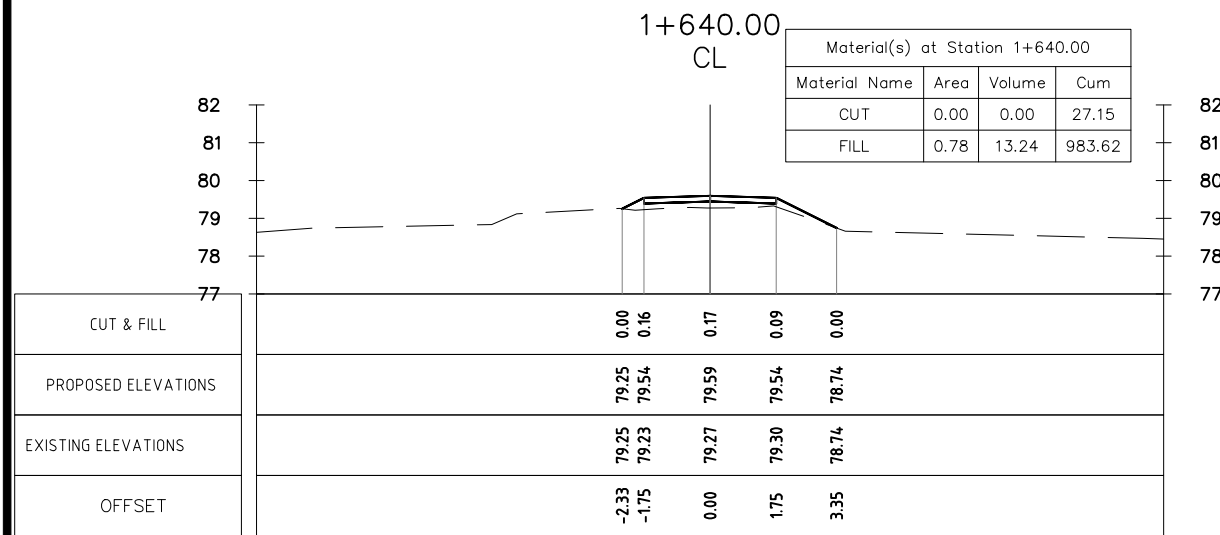
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL02) CROSS - SECTION :Sta. KM1+440-1+540

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-77
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



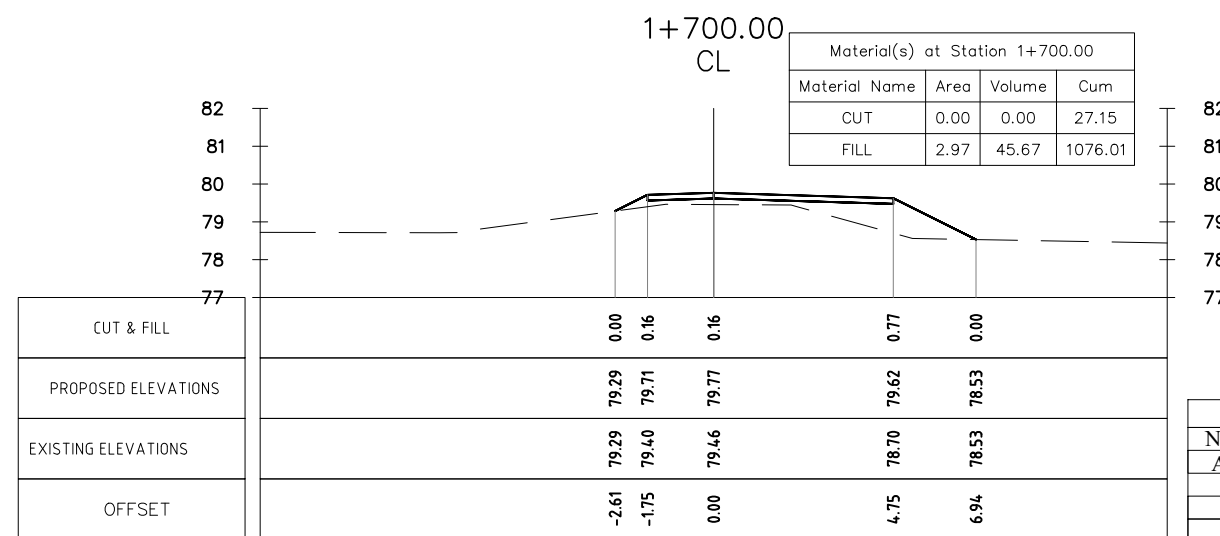
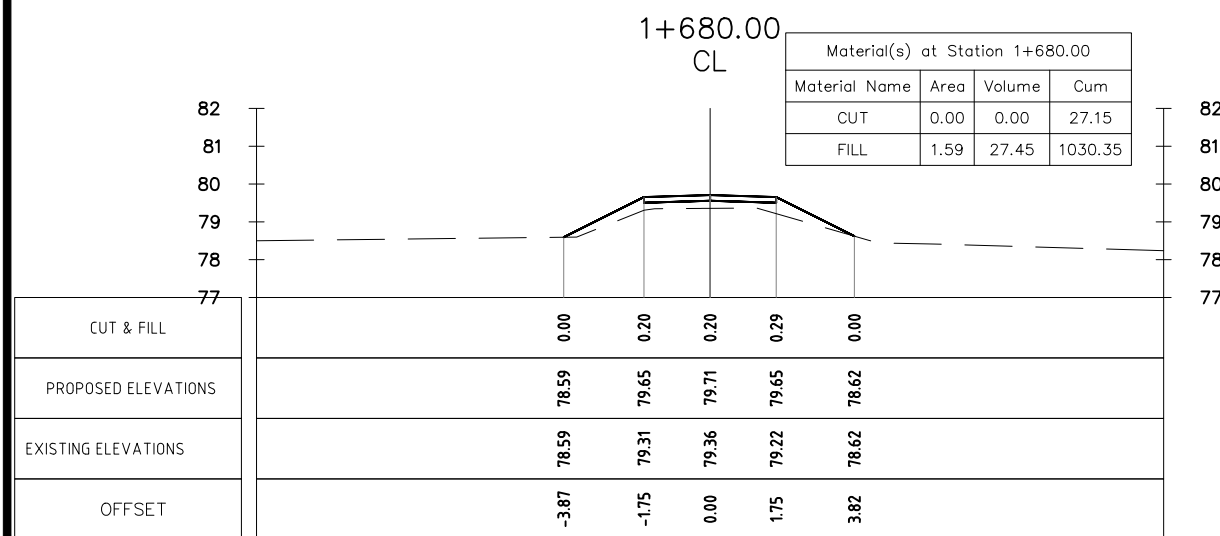
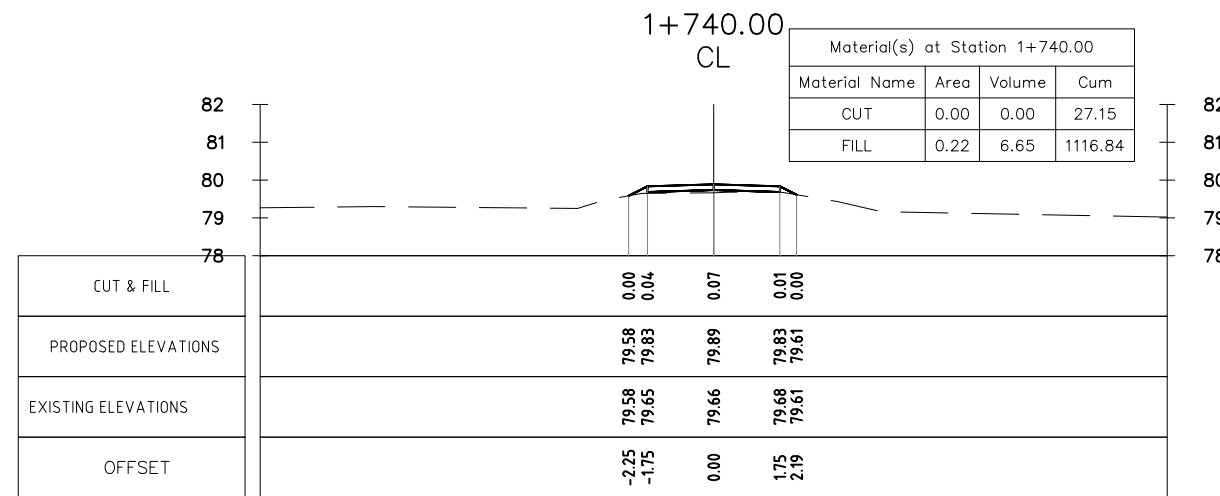
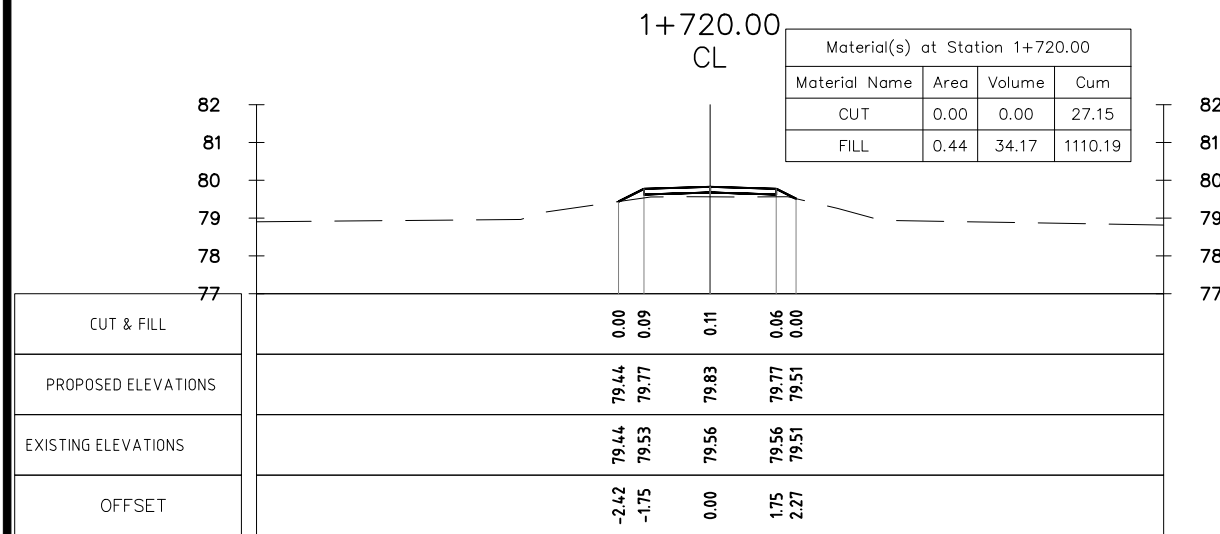
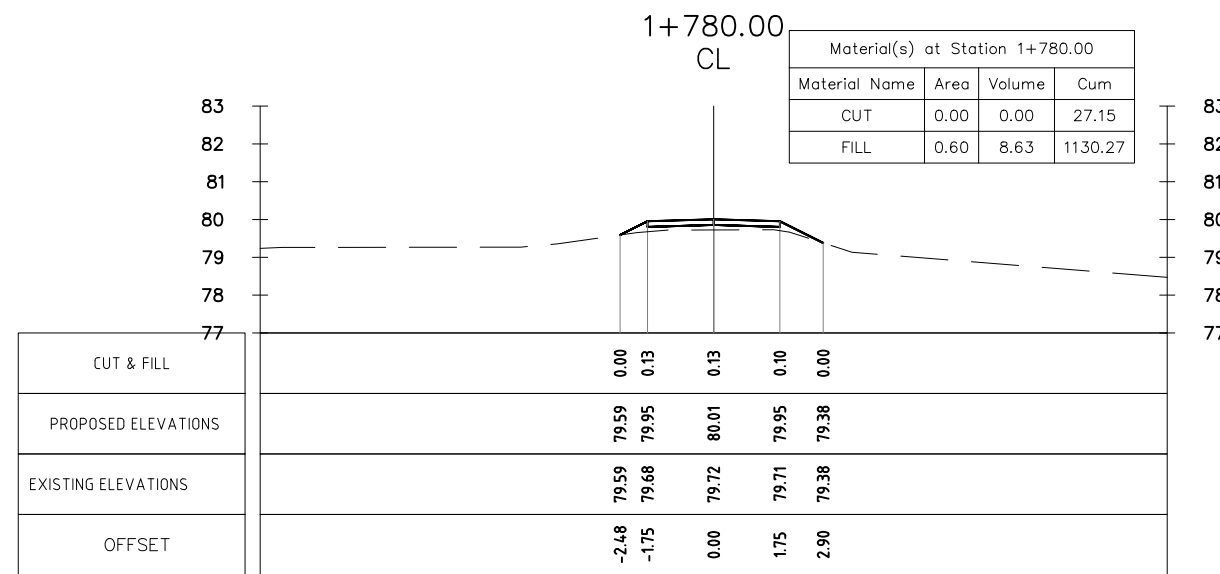
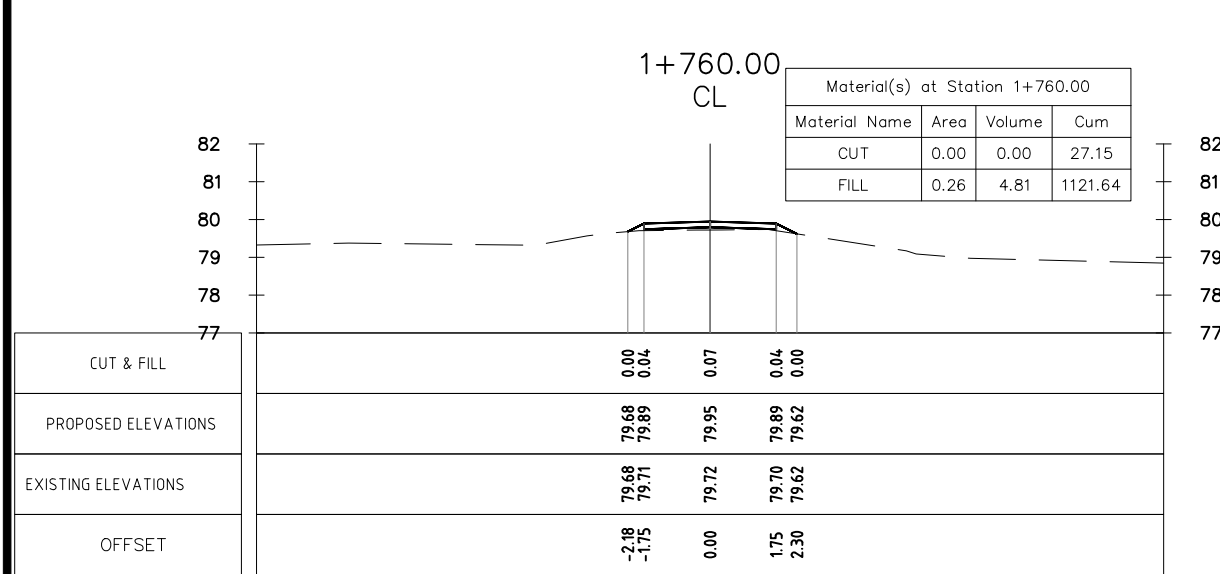
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL02) CROSS - SECTION :Sta. KM1+560-1+660

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-78
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



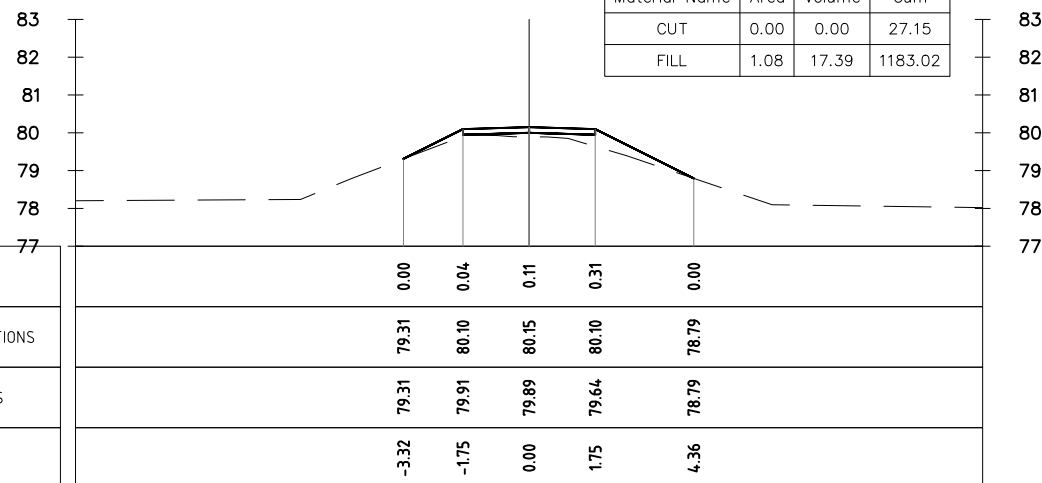
PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL02) CROSS - SECTION :Sta. KM1+680-1+780

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-79
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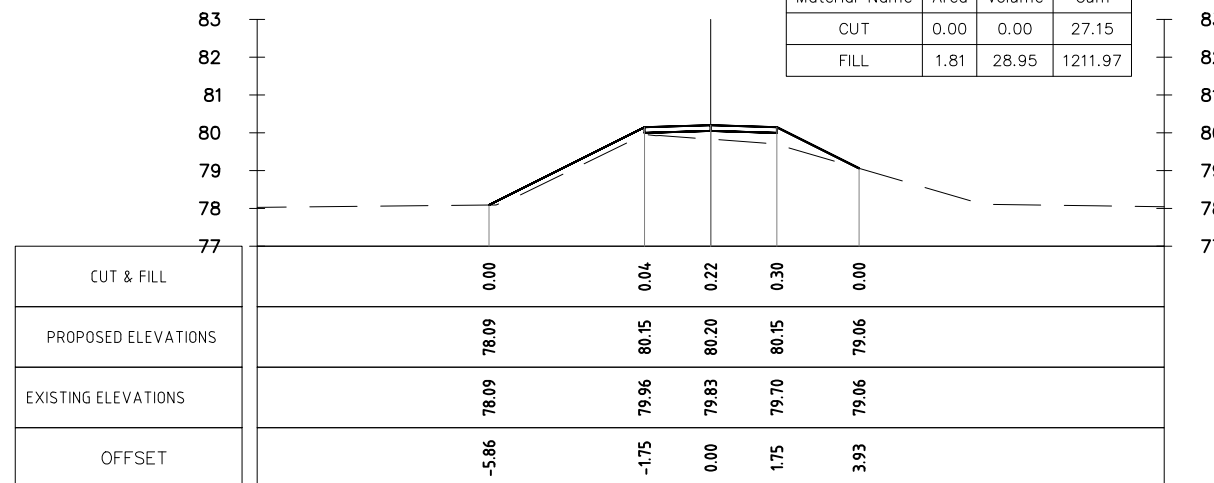
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Material(s) at Station 1+880.00			
Material Name	Area	Volume	Cum
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FILL	1.08	17.39	1183.02



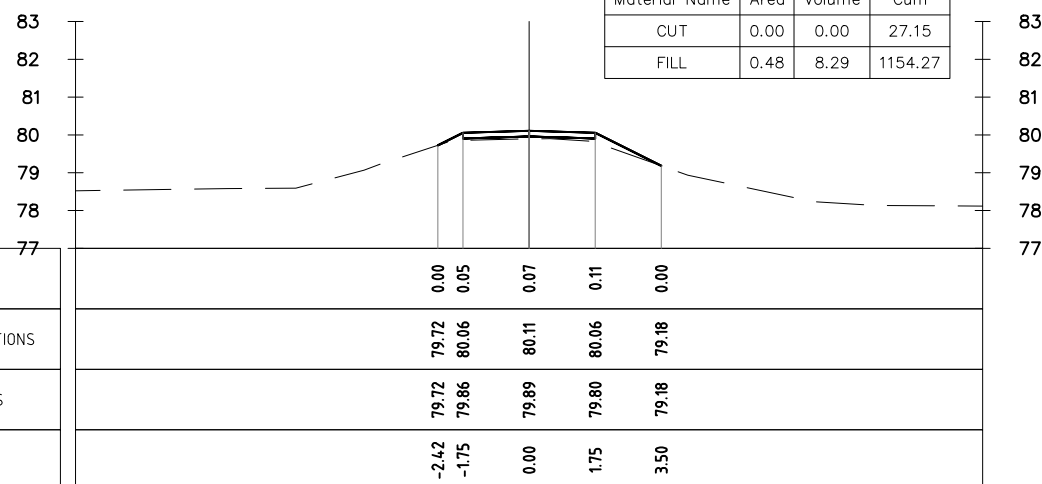
1+900.00  
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Material(s) at Station 1+900.00			
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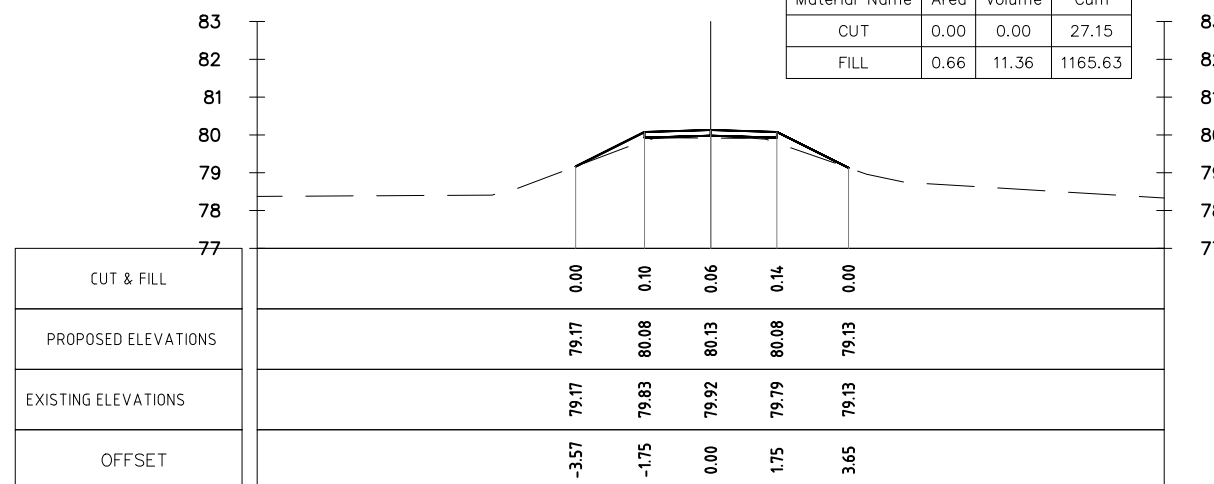
1+840.00  
CL

Material(s) at Station 1+840.00			
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CUT	0.00	0.00	27.15
FILL	0.48	8.29	1154.27



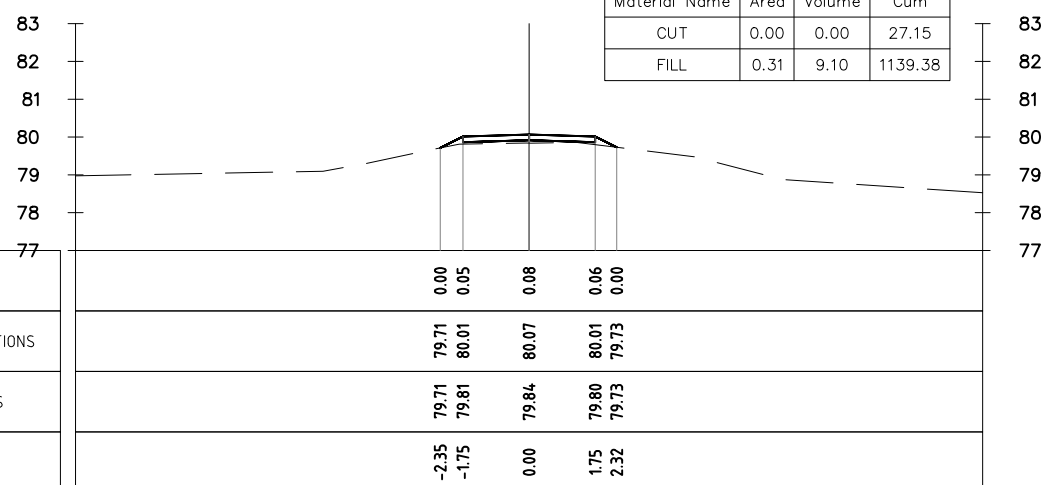
1+860.00  
CL

Material(s) at Station 1+860.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	27.15
FILL	0.66	11.36	1165.63



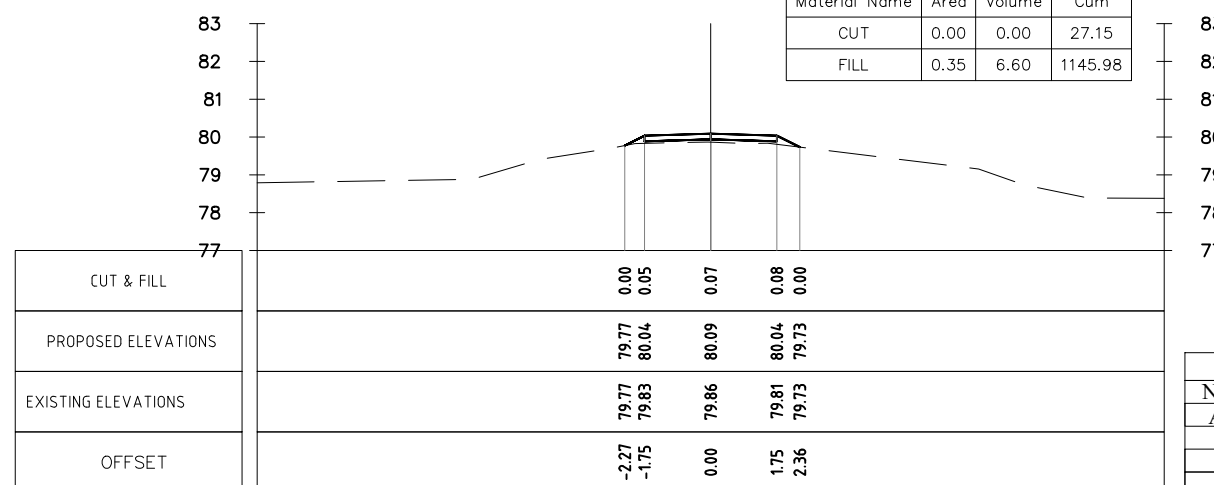
1+800.00  
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Material(s) at Station 1+800.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	27.15
FILL	0.31	9.10	1139.38



1+820.00  
CL

Material(s) at Station 1+820.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	27.15
FILL	0.35	6.60	1145.98



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM

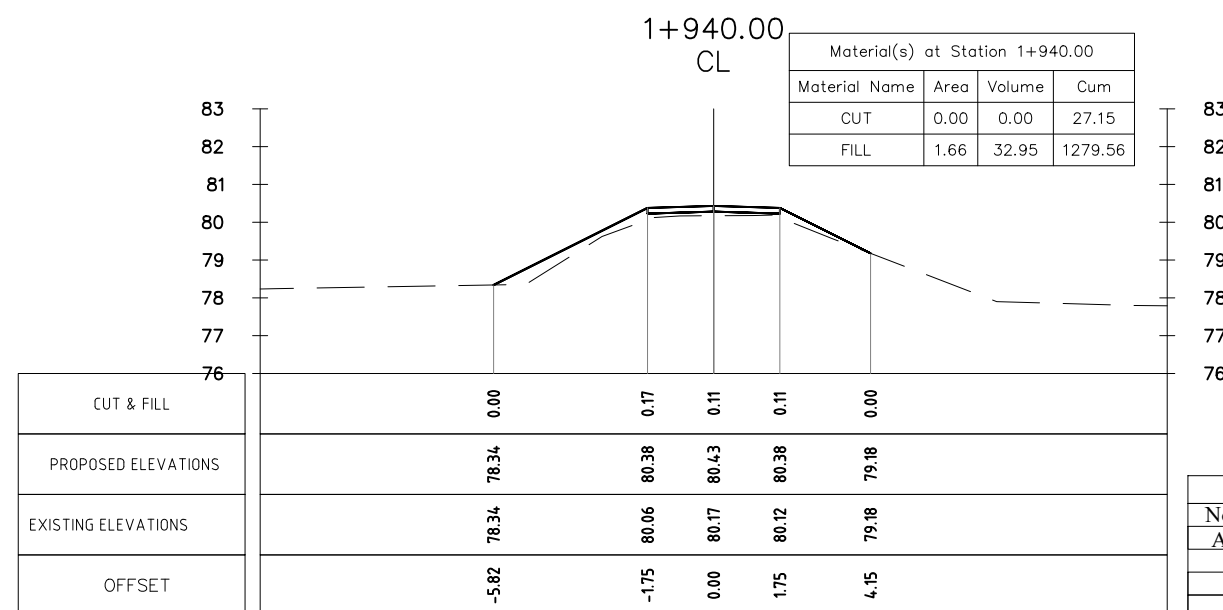
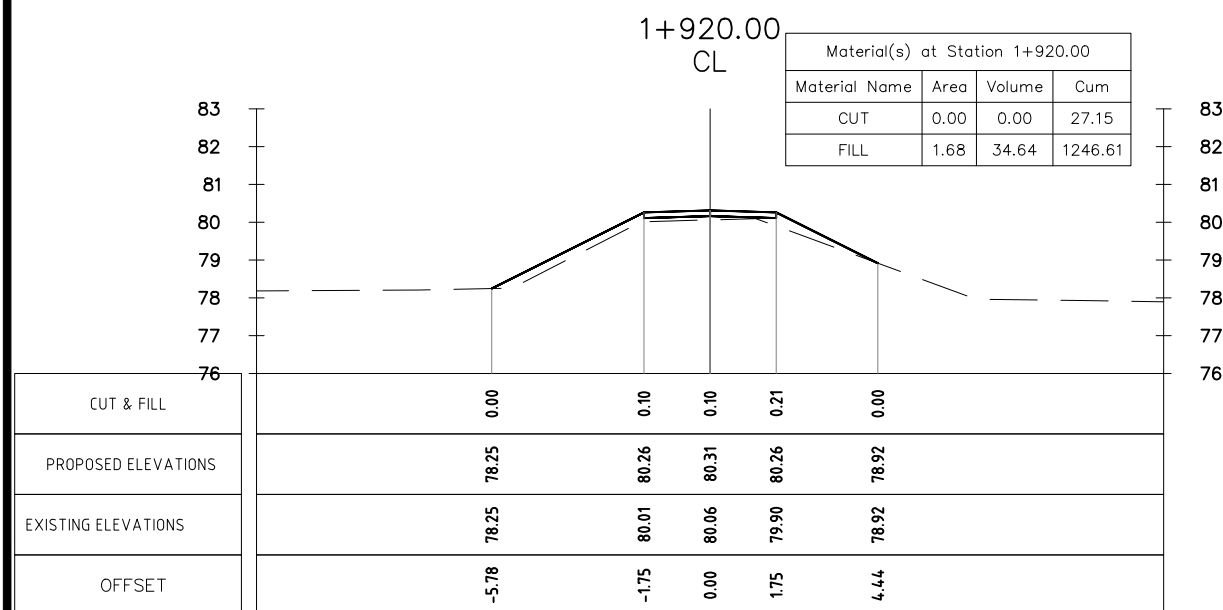
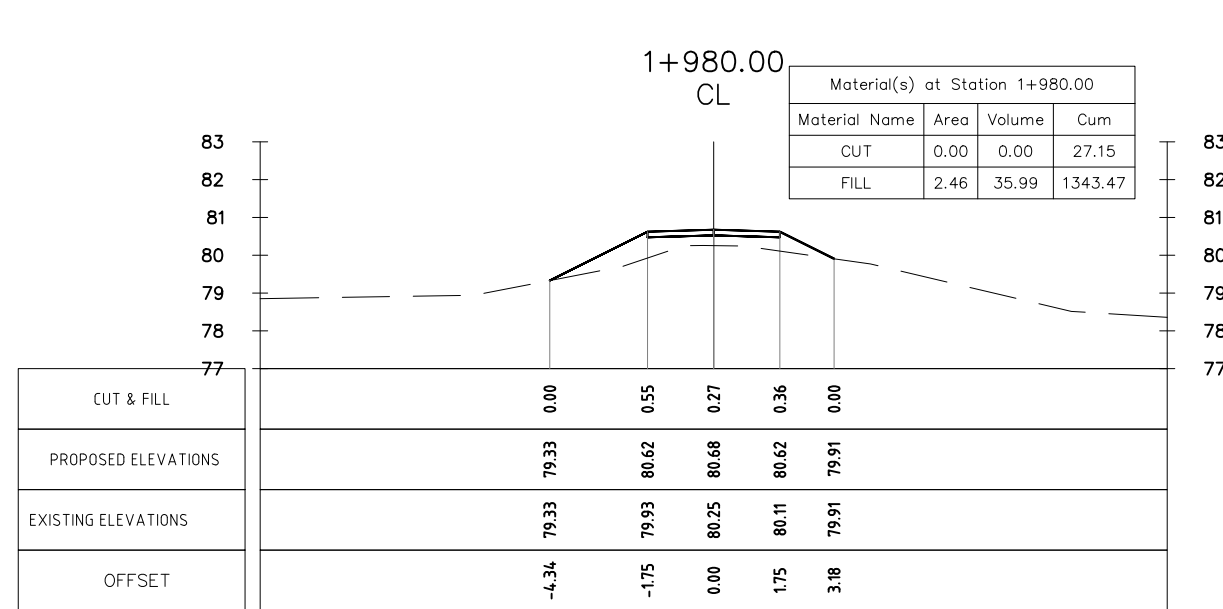
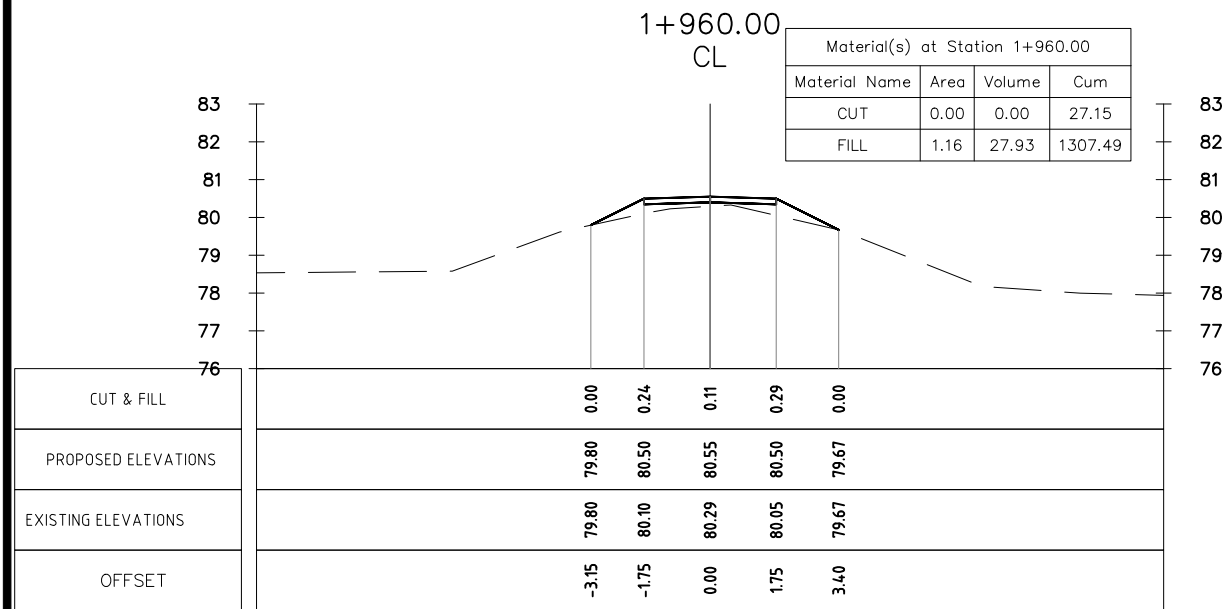
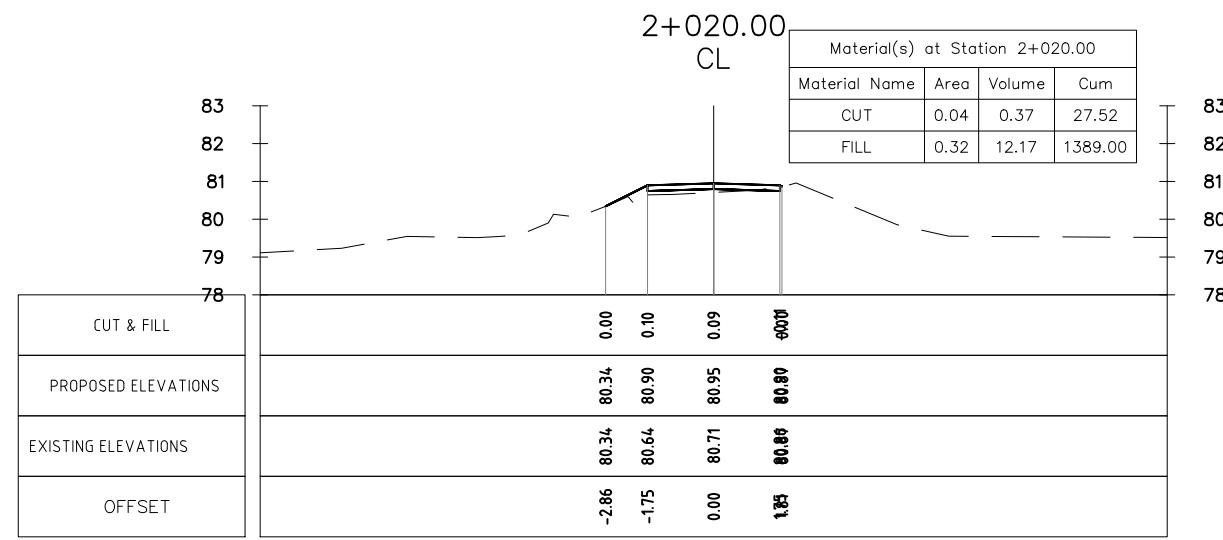
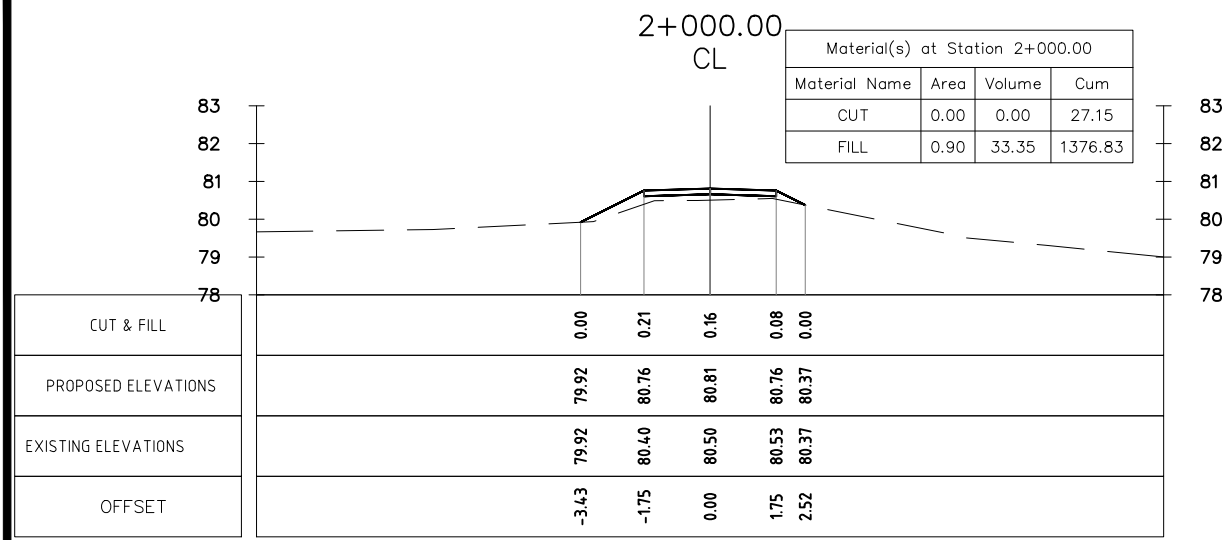


PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL02) CROSS - SECTION :Sta. KM1+800-1+900

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-80
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

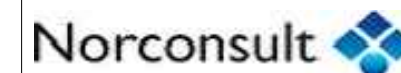
TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



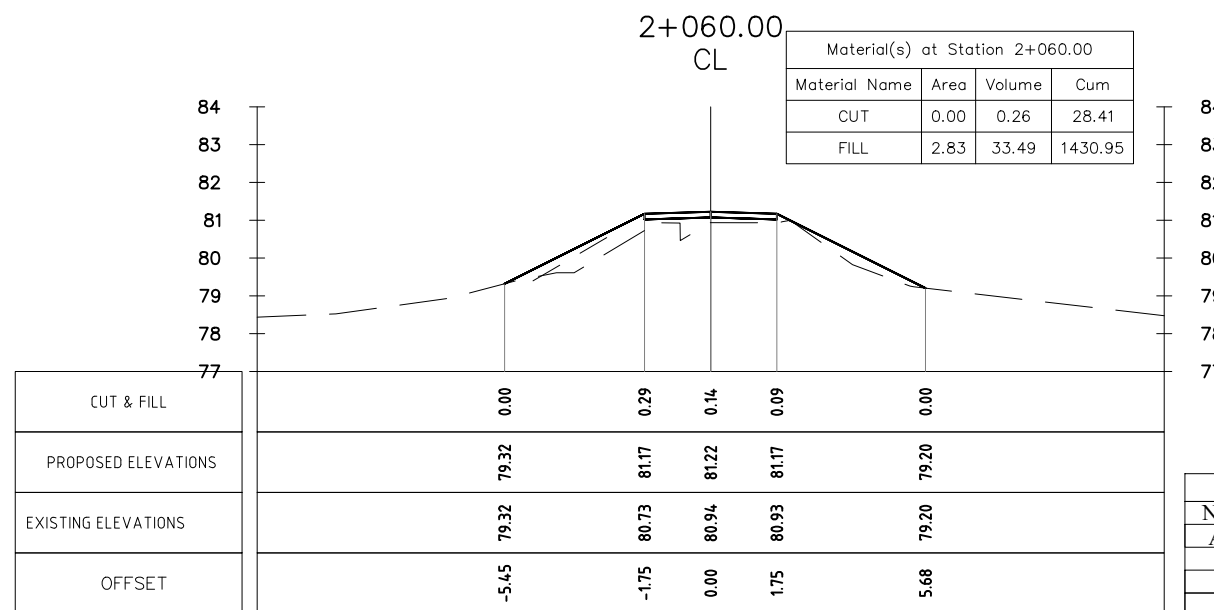
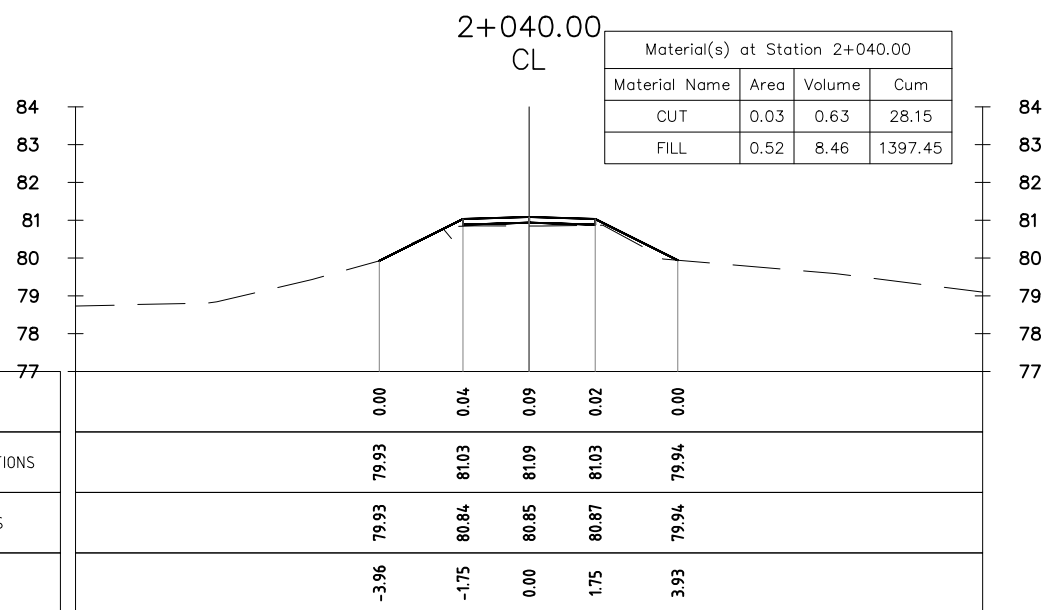
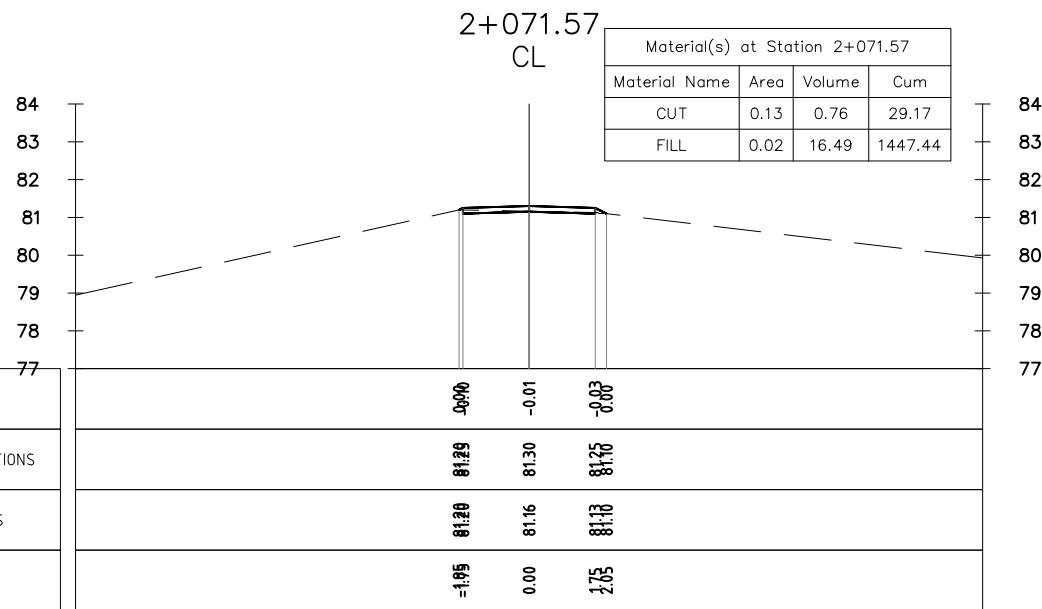
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL02) CROSS - SECTION :Sta. KM1+920-2+020

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-81
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

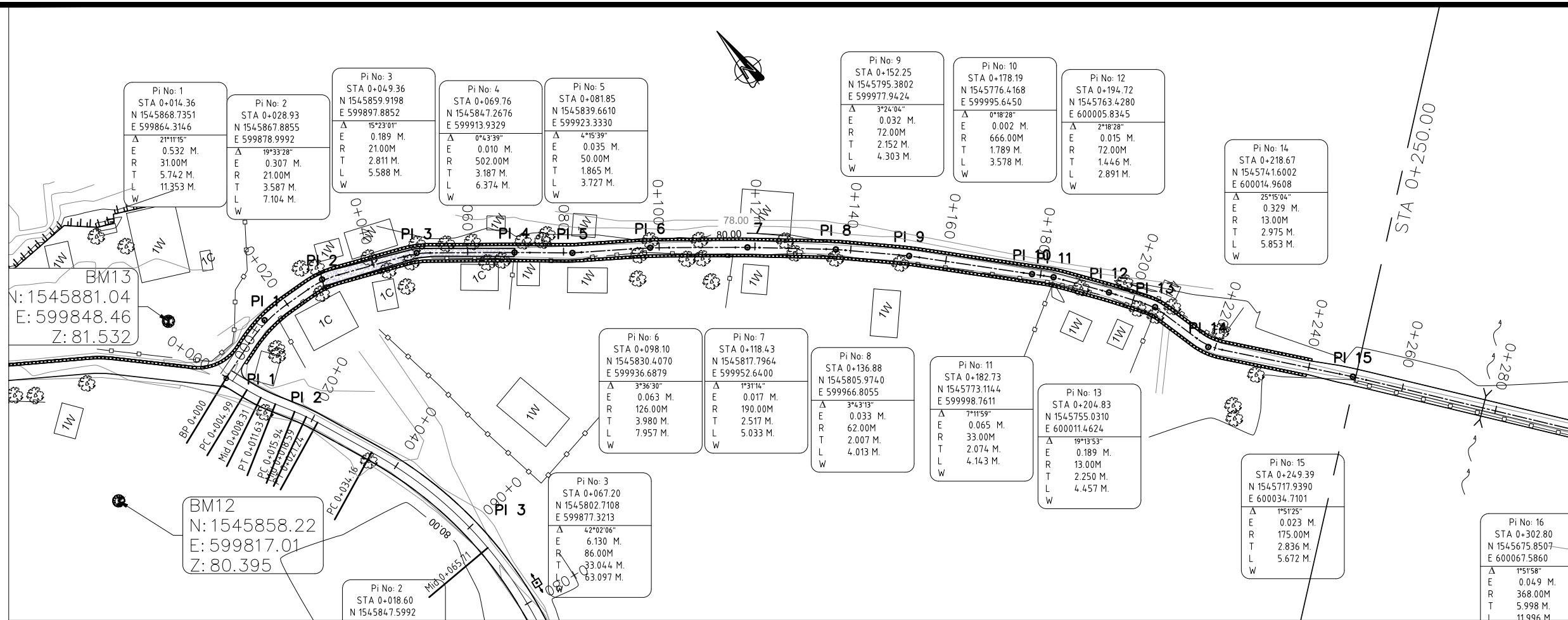


PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL02) CROSS - SECTION :Sta. KM2+040-2+271.5

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-82
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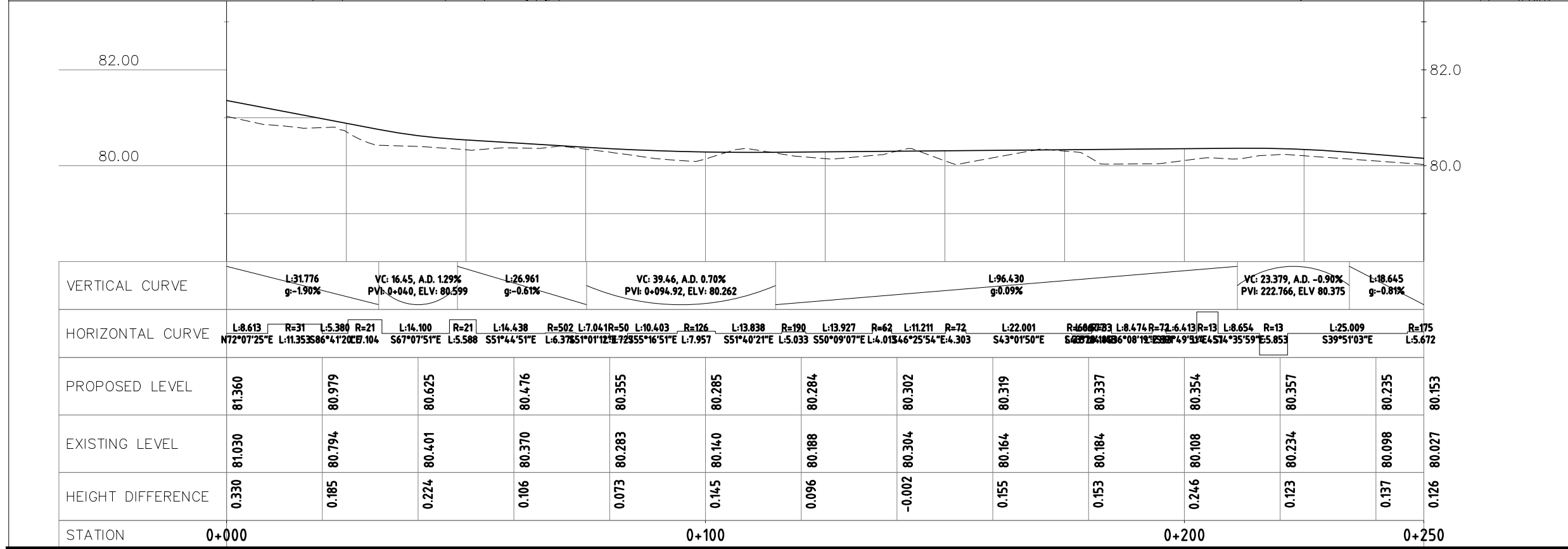
PLAN VIEW



**LEGEND:**

- NORTH DIRECTION
- CONCRETE
- BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



**REVISION:**

No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

**CADTIS**

**CADTIS-Consultant**

**LAO-Asian Engineering Consultants Sole CO.,LTD.**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(TRL03) PLAN AND PROFILE Sta:km 0+000-0+250

SCALE IN A3: H1/1000  
 V1/100

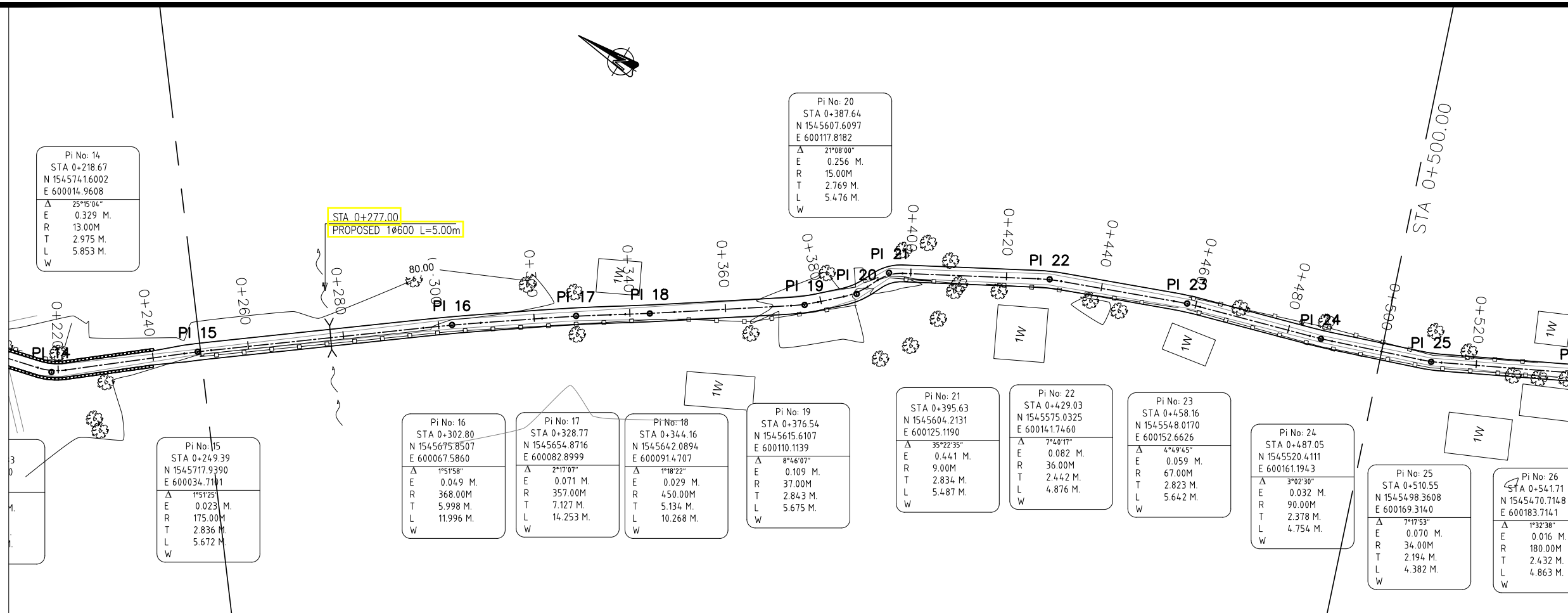
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LAO - NKS

C-83

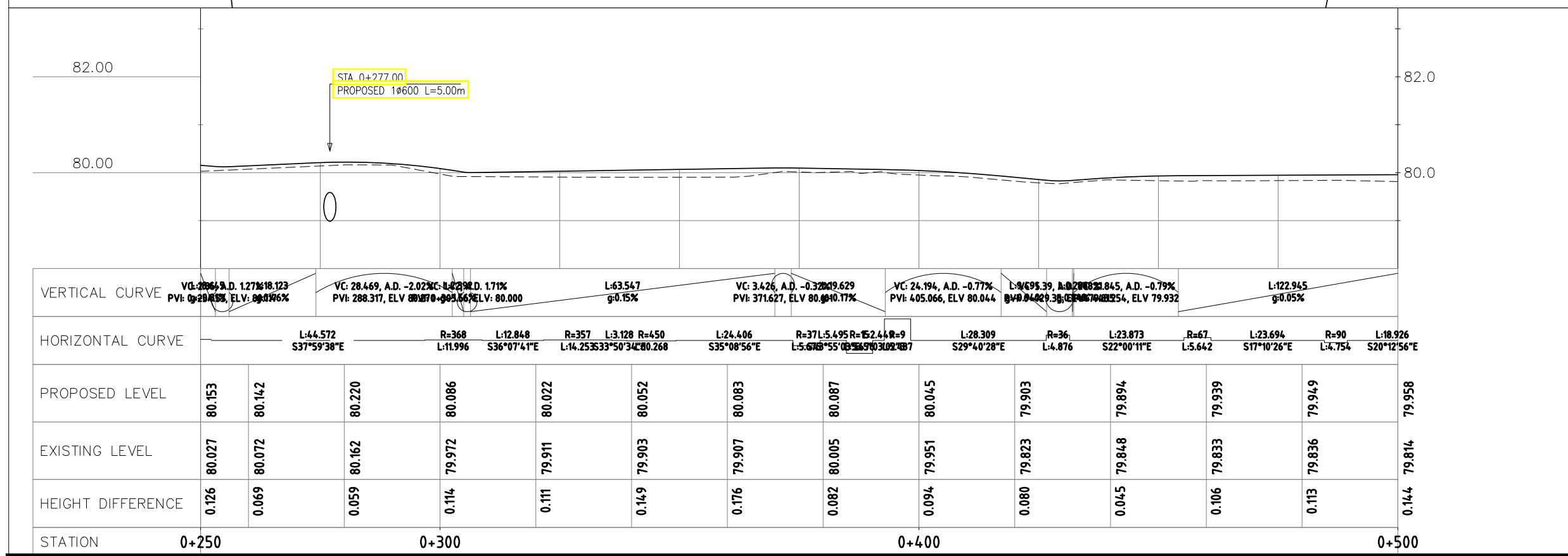
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(TRL03) PLAN AND PROFILE Sta:km 0+250-0+500

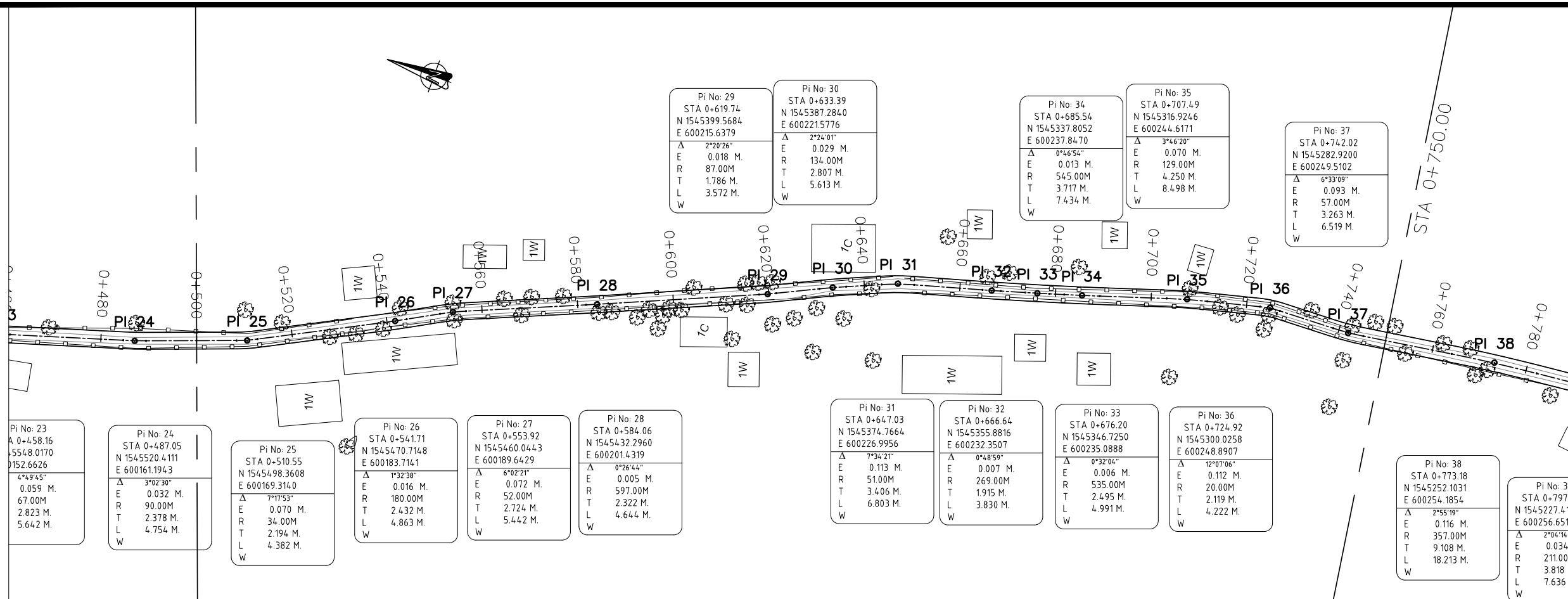
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DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

C-84

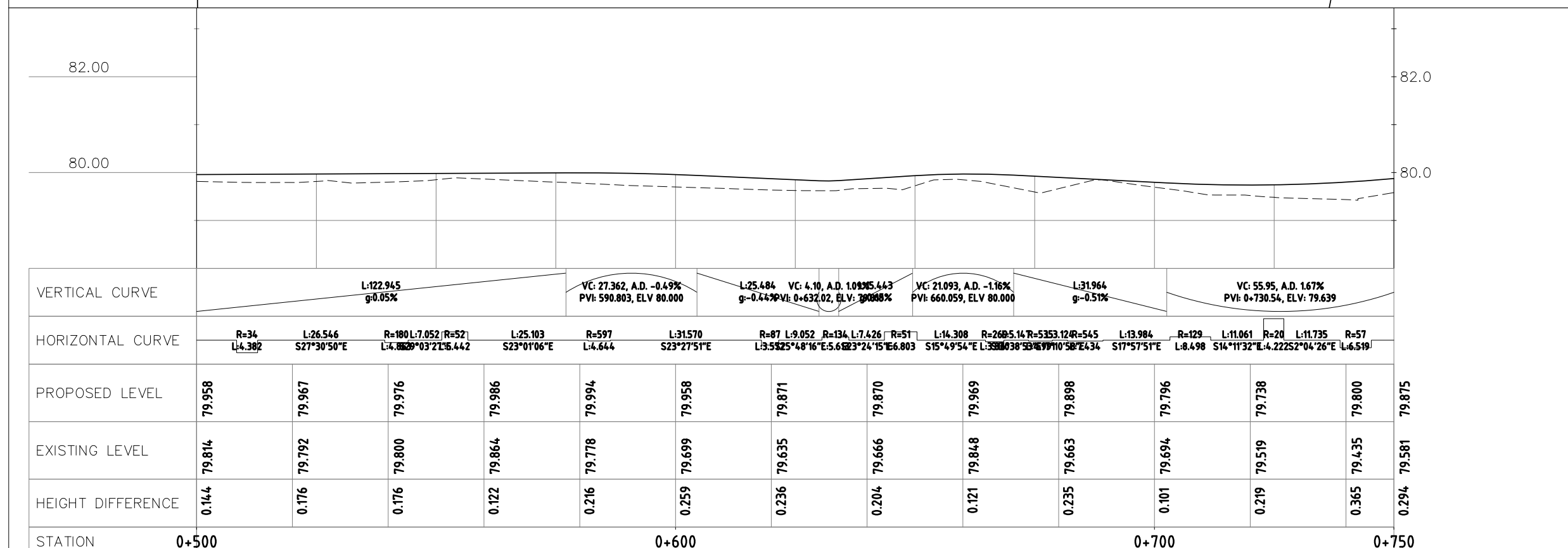
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

**CADTIS**

**CADTIS-Consultant**

**LAO-Asean Engineering Consultants Sole CO.,LTD**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(TRL03) PLAN AND PROFILE Sta:km 0+500-0+750

SCALE IN A3: H1/1000  
 V1/100

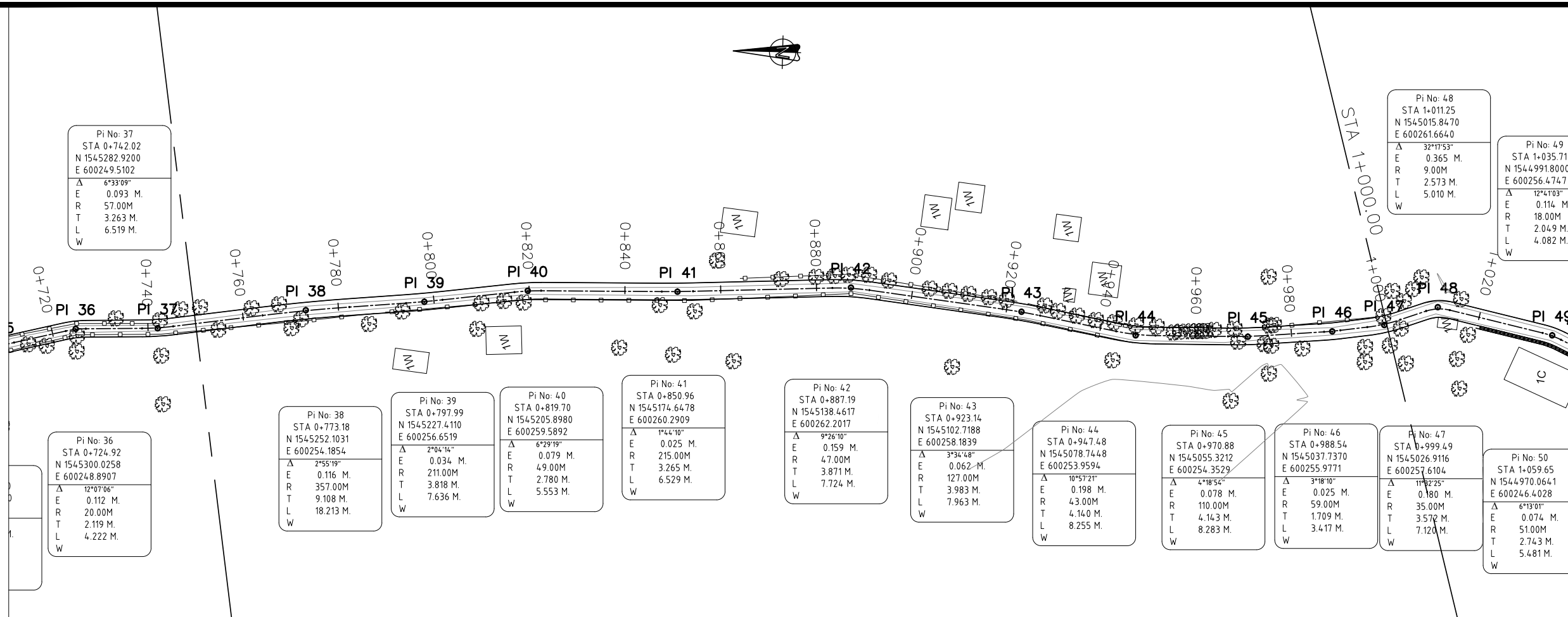
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DRAWING No.: \_\_\_\_\_

LAO - NKS

C-85

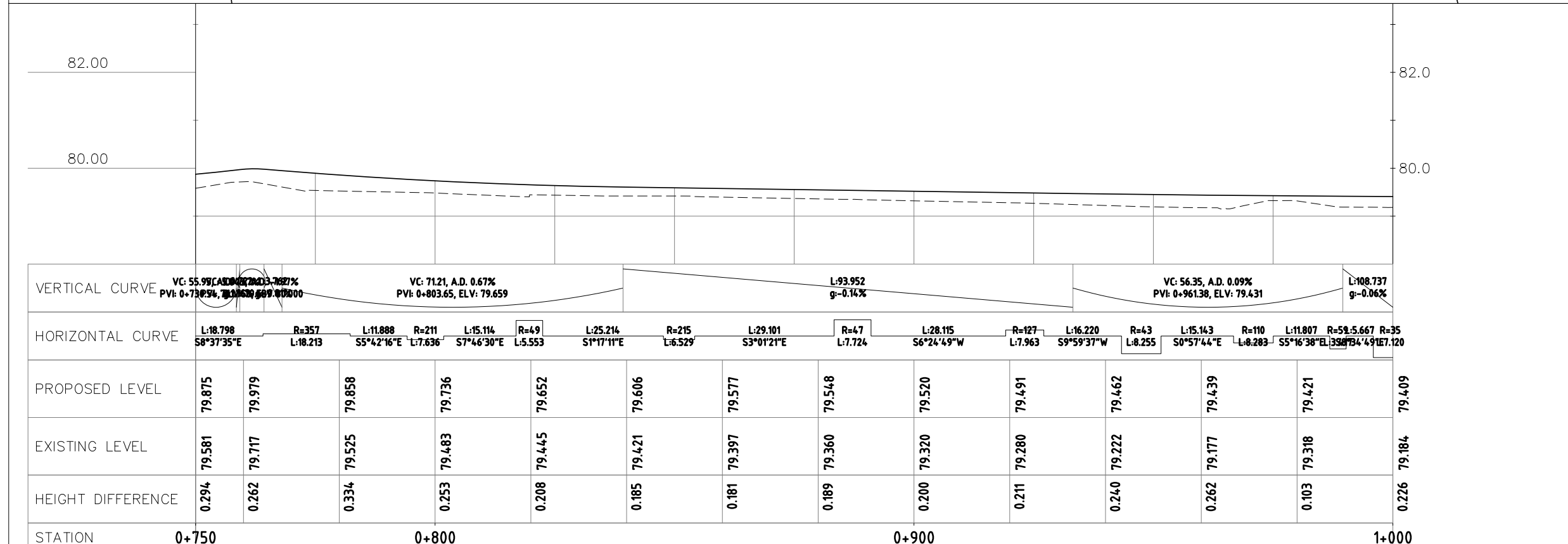
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(TRL03) PLAN AND PROFILE Sta:km 0+750-1+000

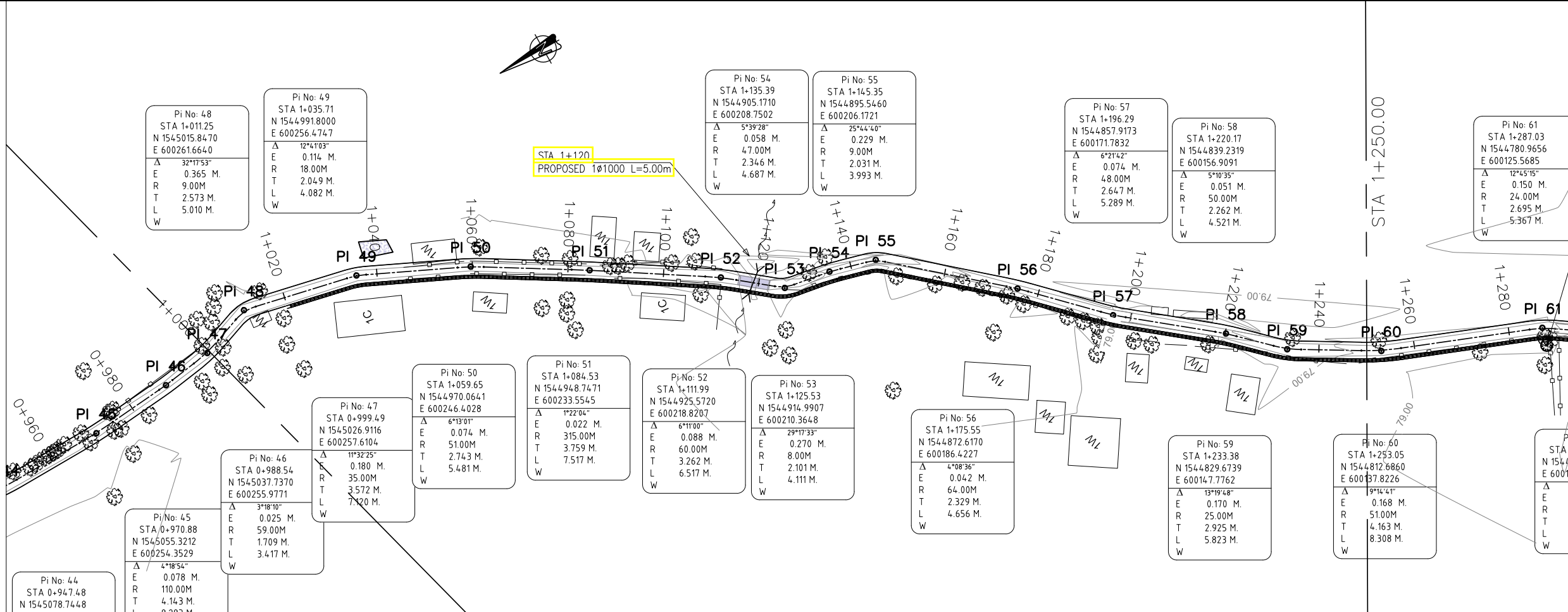
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DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

C-86

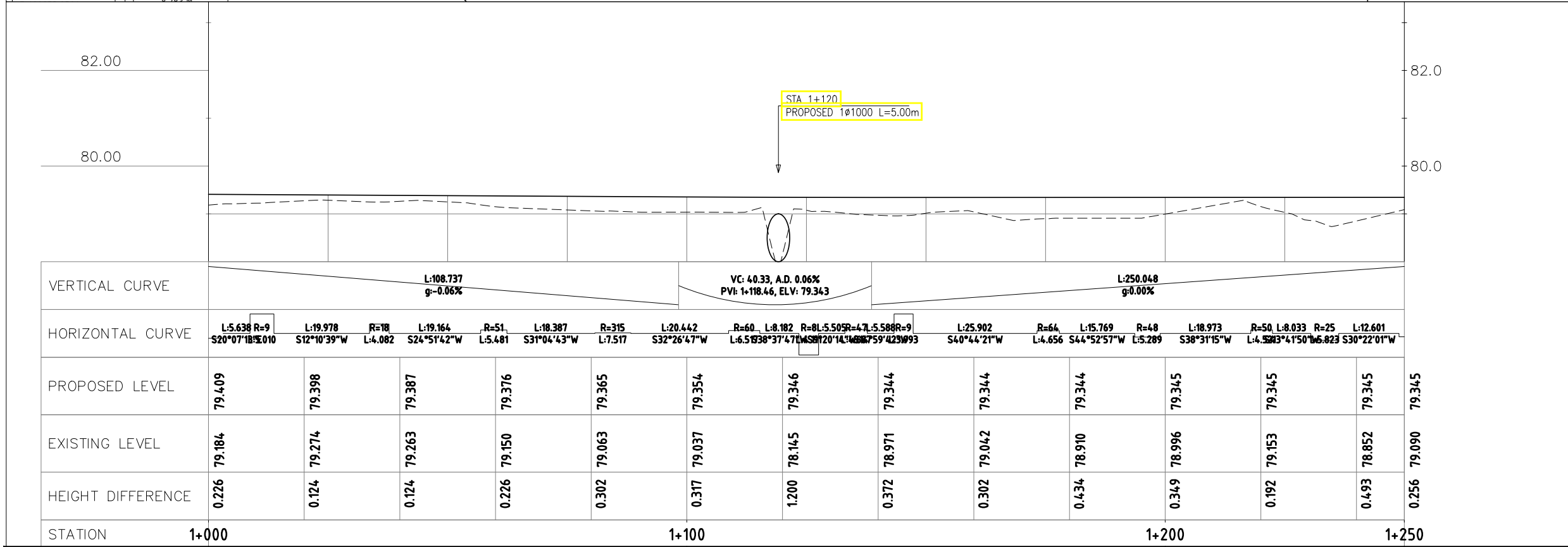
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(IRL03) PLAN AND PROFILE Sta:km 1+000-1+250

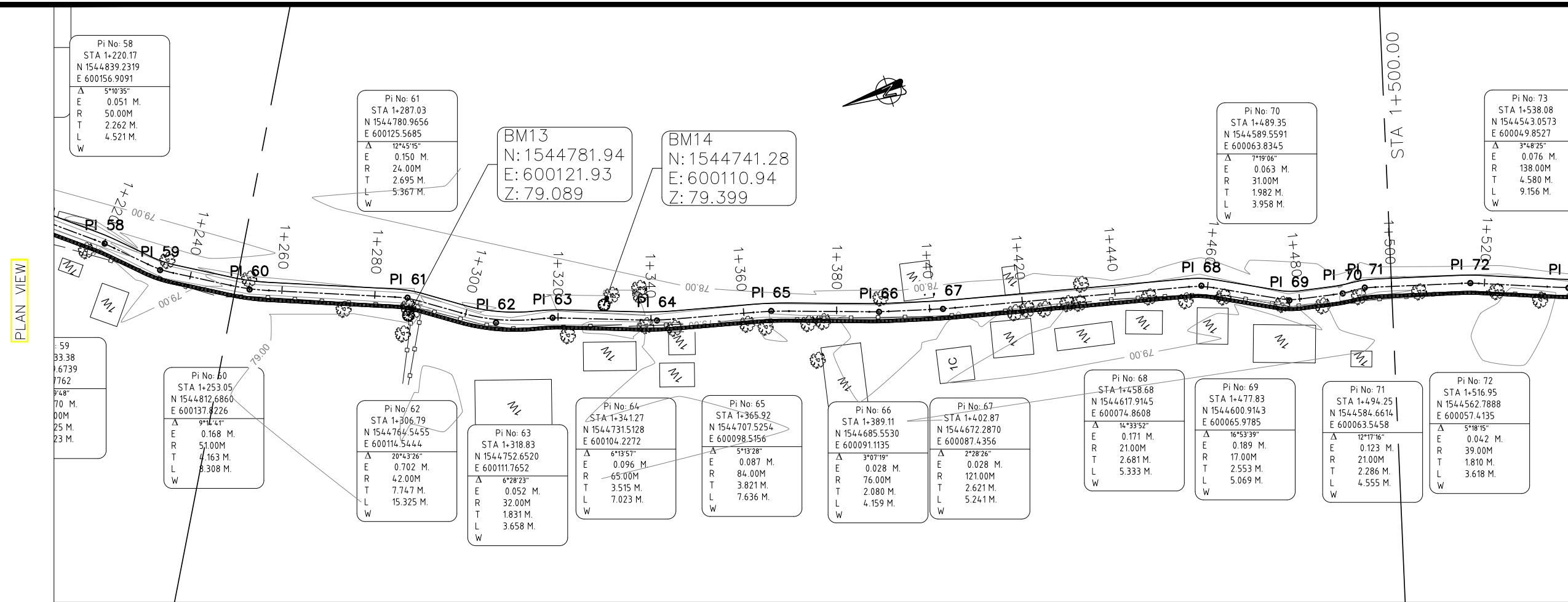
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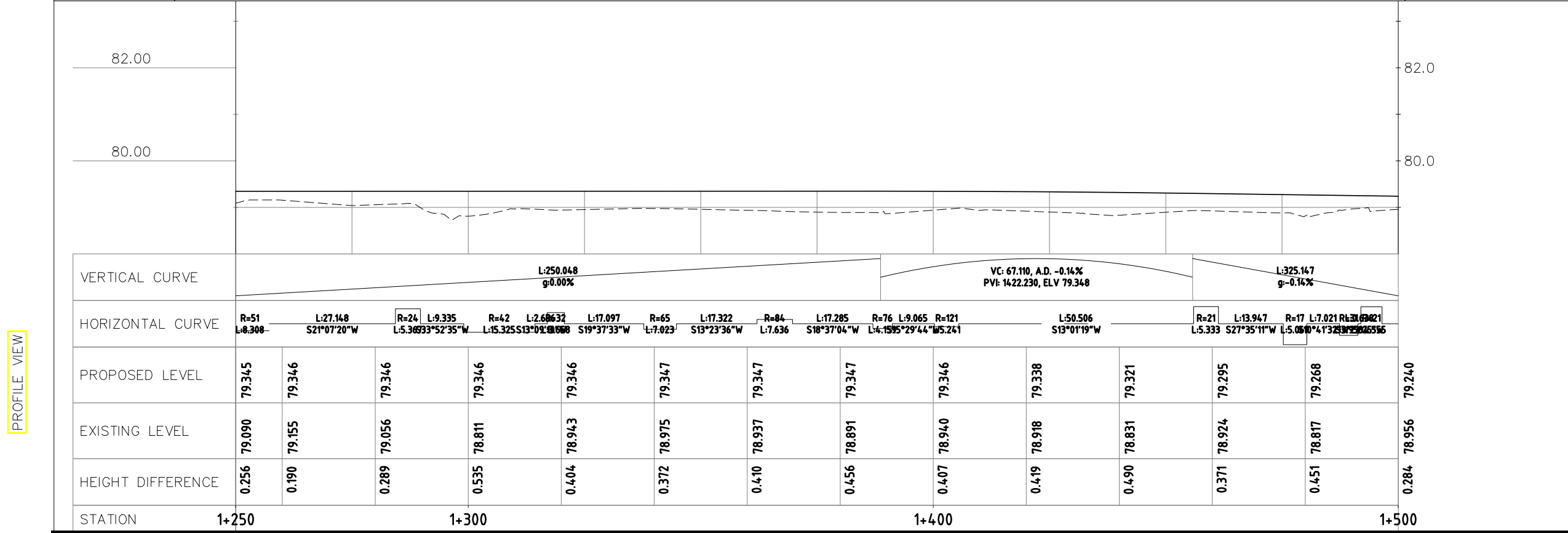
DRAWING No.: \_\_\_\_\_

LAO - NKS

C-87



- LEGEND:**
- NORTH DIRECTION
  - CONCRETE BENCH MARK
  - ELECTRIC POLE
  - PROPOSED FINISHED ROAD
  - EXISTING ROAD
  - LIGHT FOREST
  - DENSE FOREST
  - RICE FIELD
  - WOOD HOUSE (ONE STOREY)
  - CONCRETE-WOOD HOUSE (TWO STOREY)
  - CONCRETE HOUSE (TWO STOREY)
  - CONCRETE HOUSE (ONE STOREY)
  - PIPE CULVERT
  - BOX CULVERT
  - FENCE



**REVISION:**

No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

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**CADTIS-Consultant**

**LAO-Asian Engineering Consultants Sole CO.,LTD**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(TRL03) PLAN AND PROFILE Sta:km 1+250-1+500

SCALE IN A3: H1/1000 V1/100

DATE: \_\_\_\_\_

DRAWING No.: \_\_\_\_\_

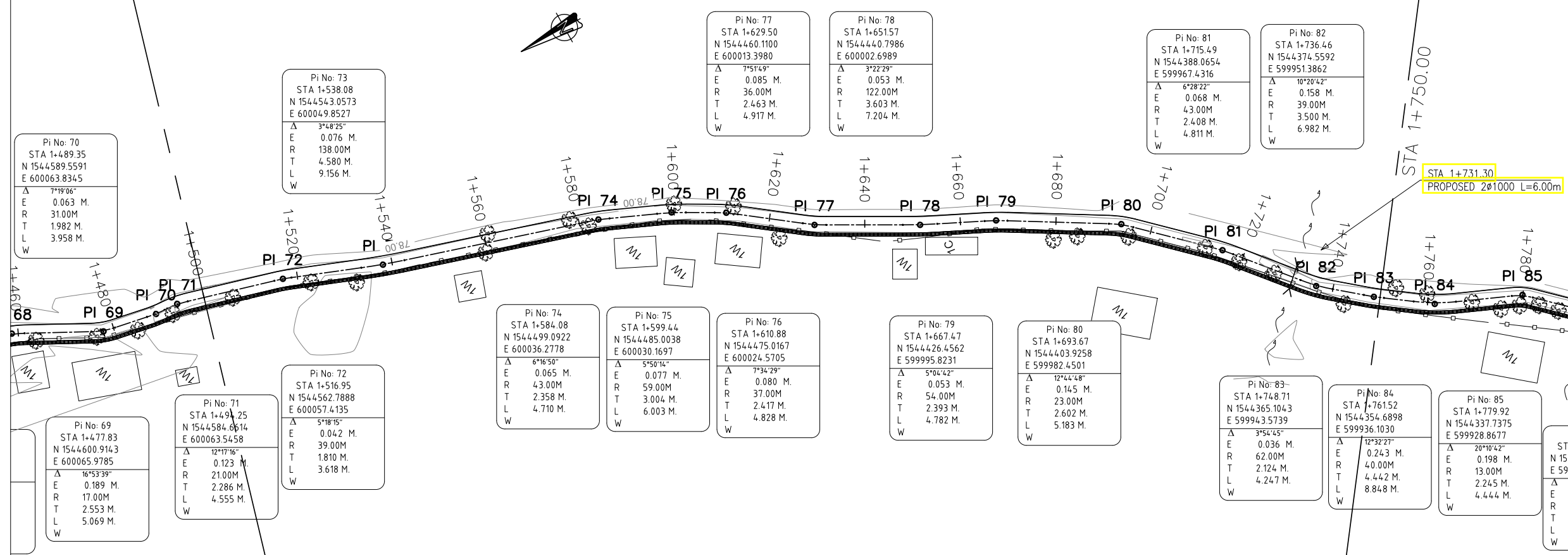
LAO - NKS

C-88

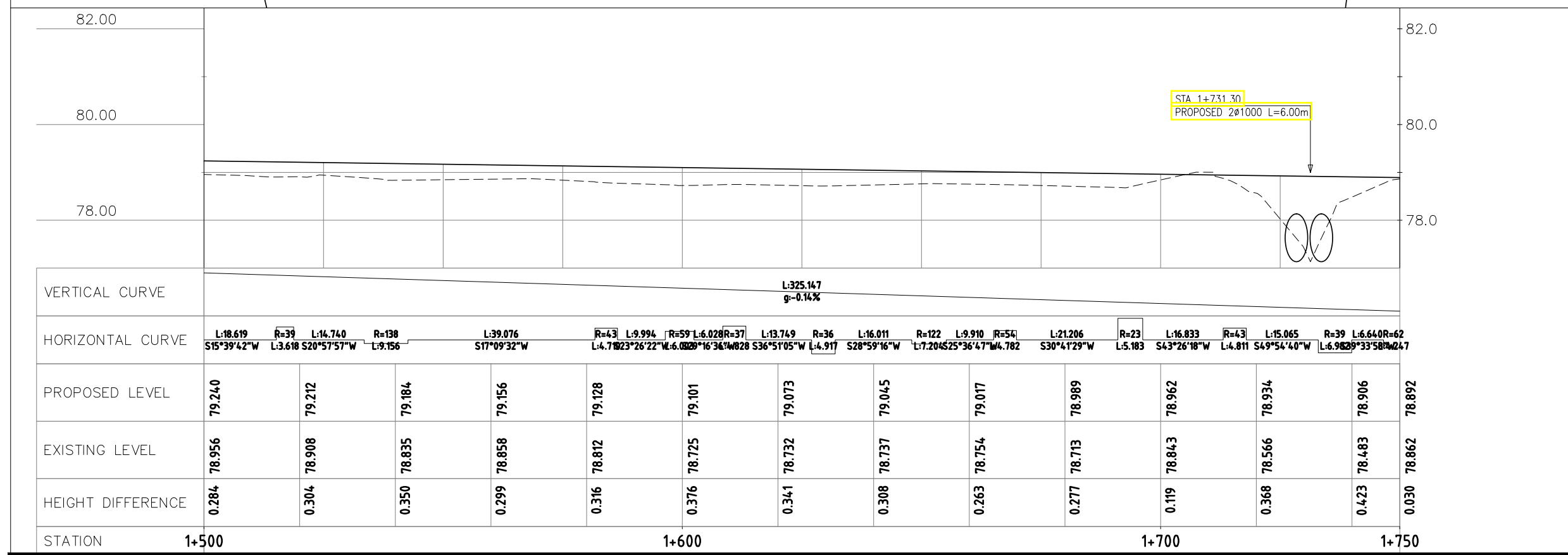




PLAN VIEW



PROFILE VIEW



**LEGEND:**

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

**REVISION:**

No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

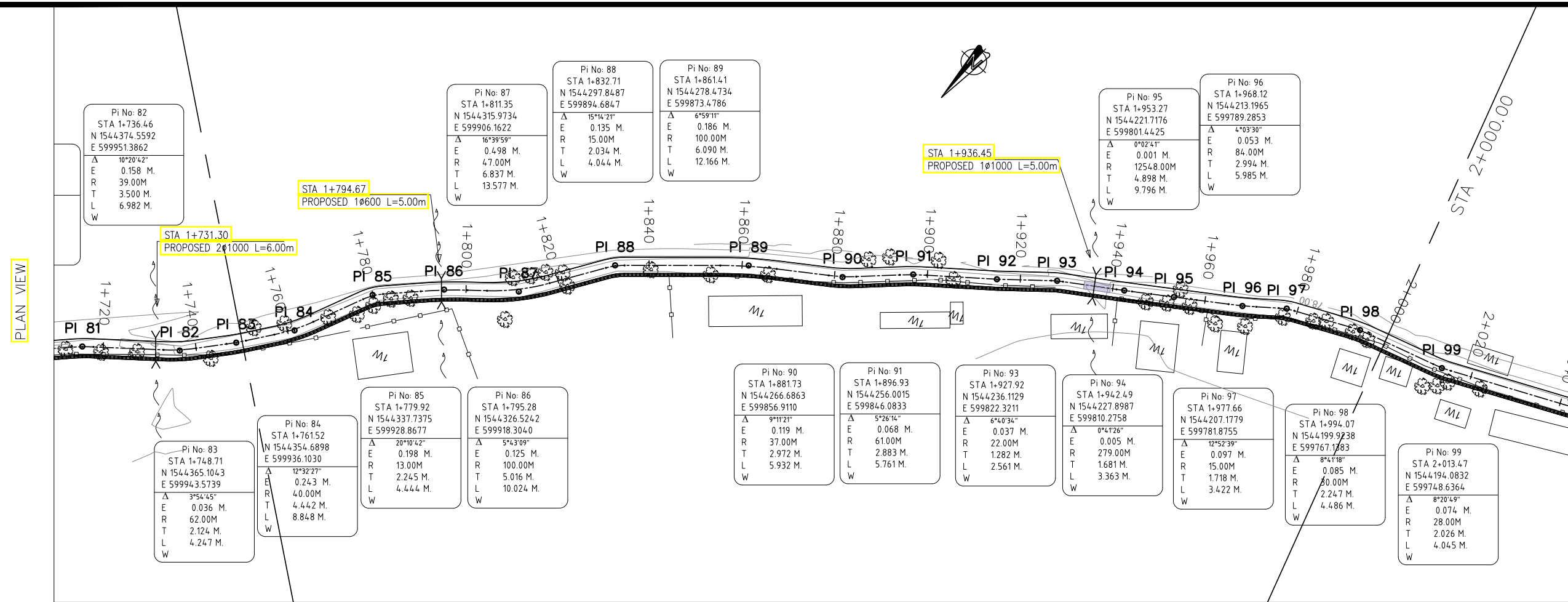
DRAWING TITLE: ACCESS ROAD -A2(TRL03) PLAN AND PROFILE Sta:km 1+500-1+750

SCALE IN A3: H1/1000  
 V1/100

DATE: \_\_\_\_\_

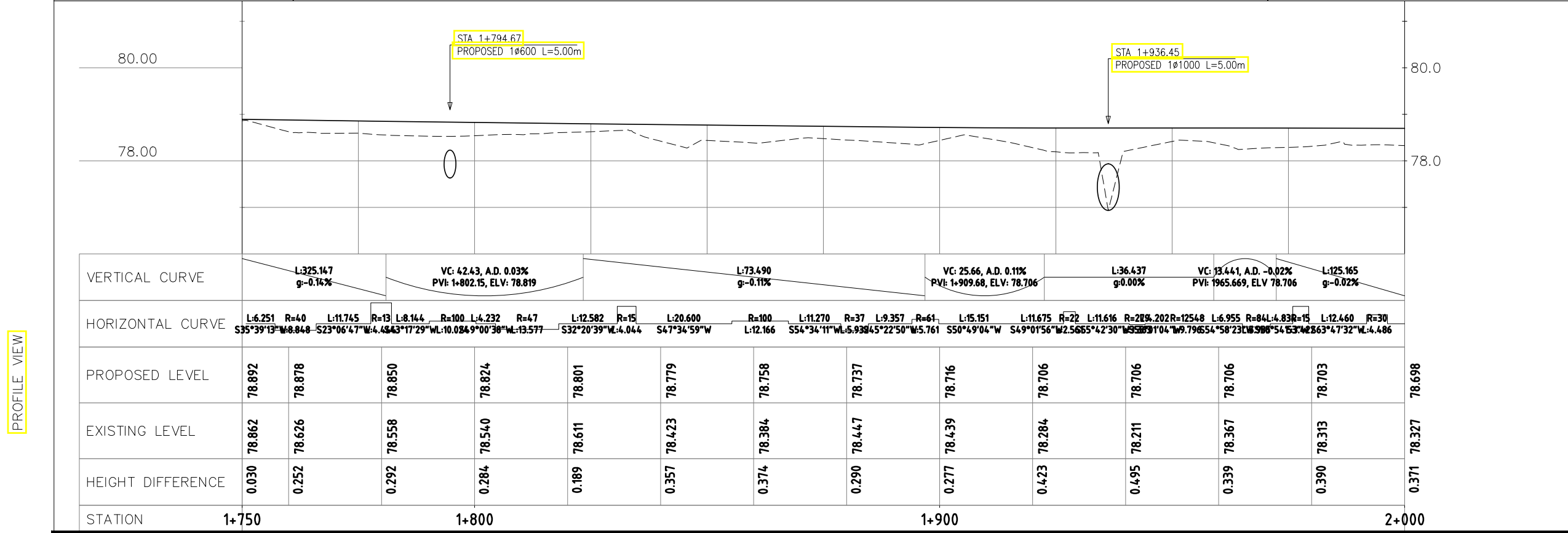
DRAWING No.: LAO - NKS

C-89



**LEGEND:**

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE



**REVISION:**

No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

**CADTIS-Consultant**

**LAO-Asian Engineering Consultants Sole CO., LTD.**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(TRL03) PLAN AND PROFILE Sta:km 1+750-2+000

SCALE IN A3: H1/1000  
 V1/100

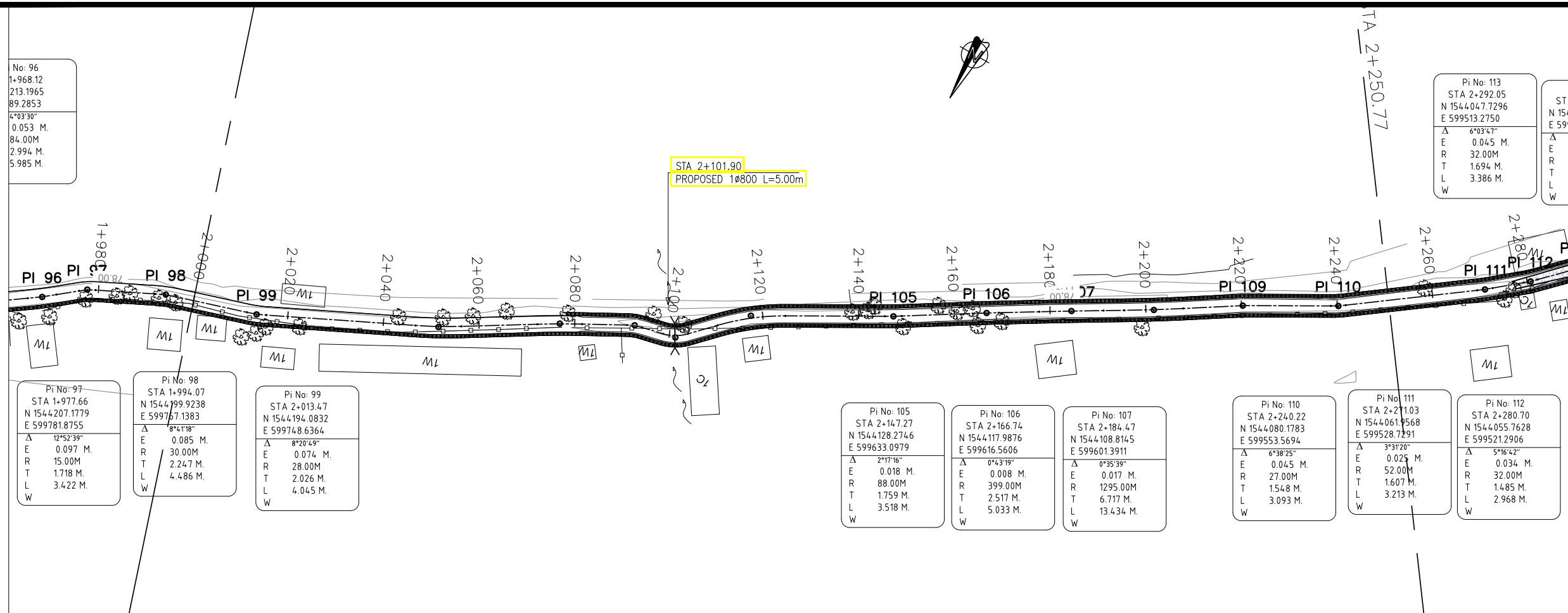
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LAO - NKS

C-90

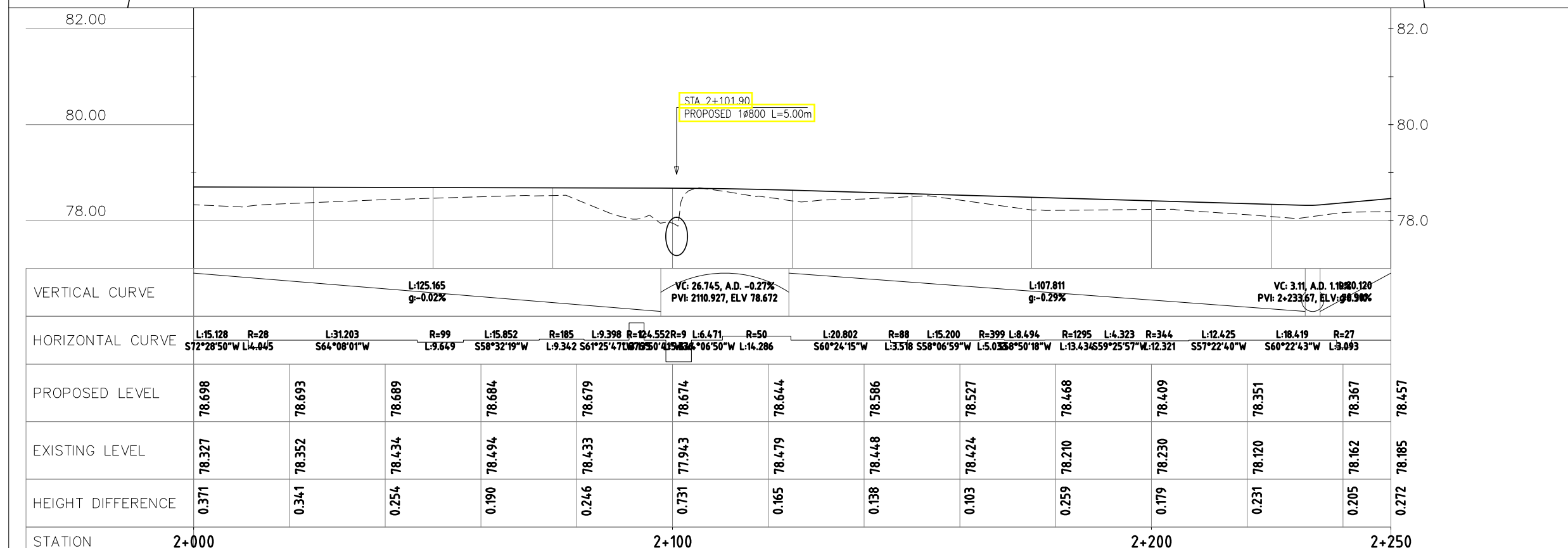
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
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- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(TRL03) PLAN AND PROFILE Sta:km 2+000-2+250

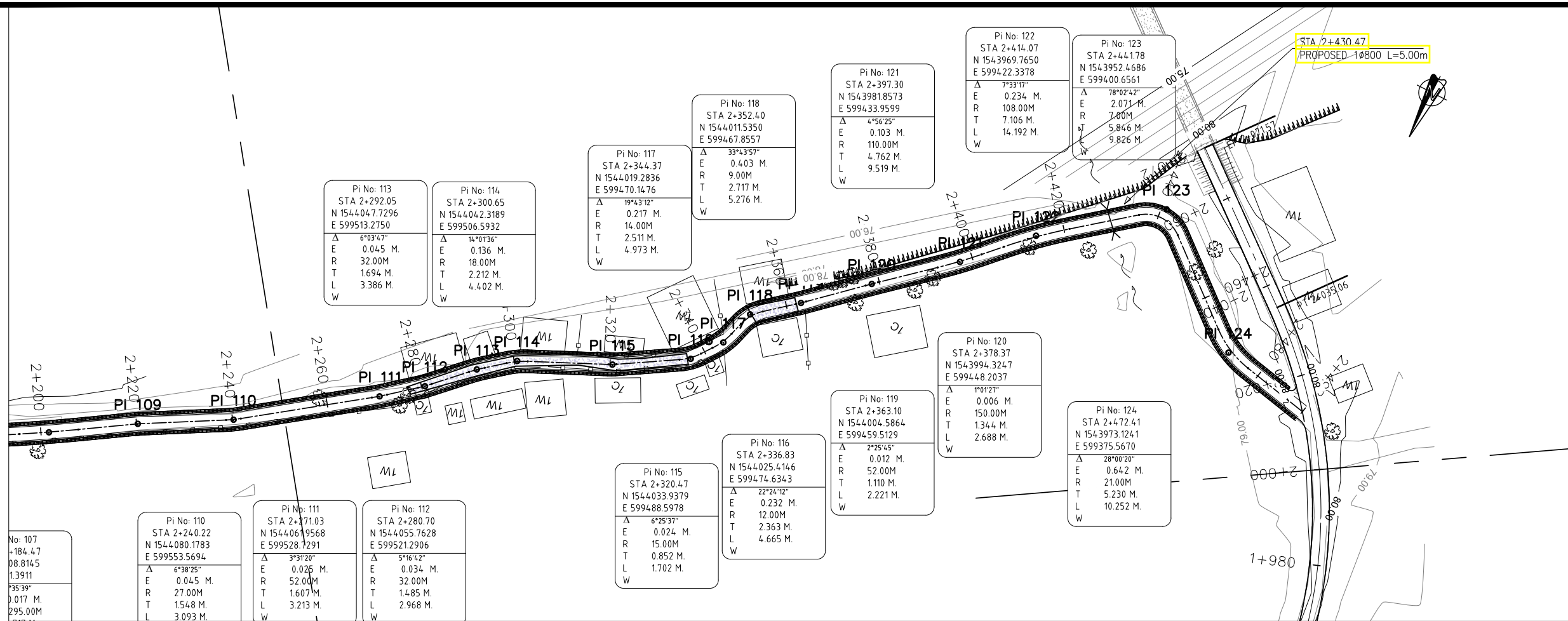
SCALE IN A3: H1/1000 V1/100

DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

C-91

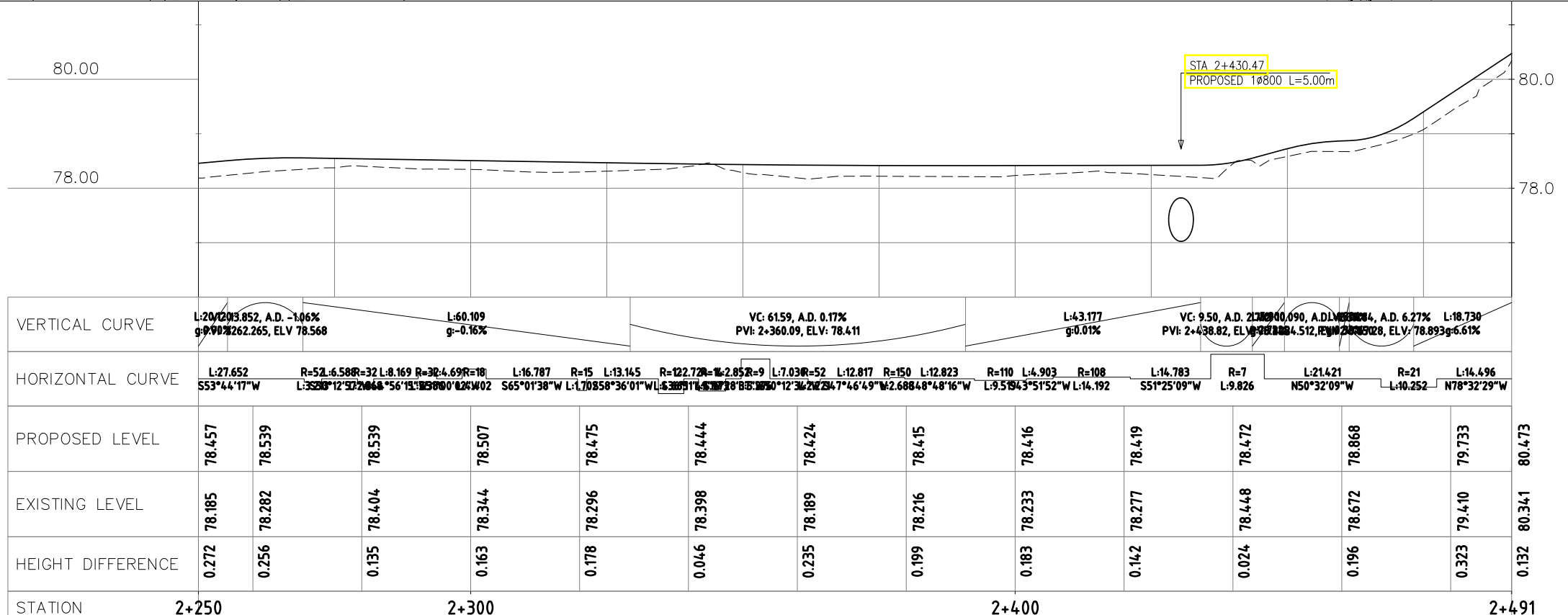
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



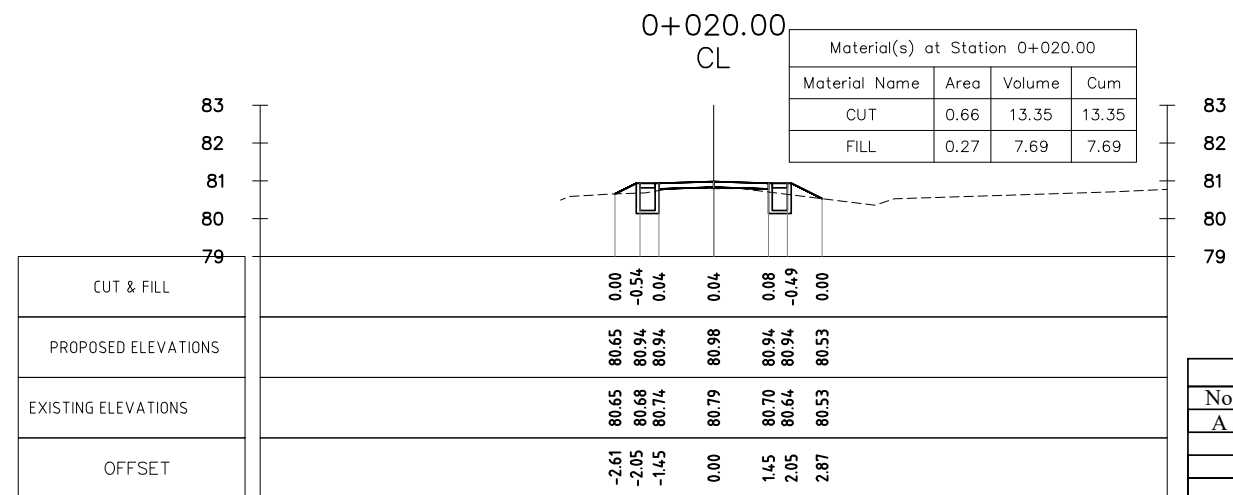
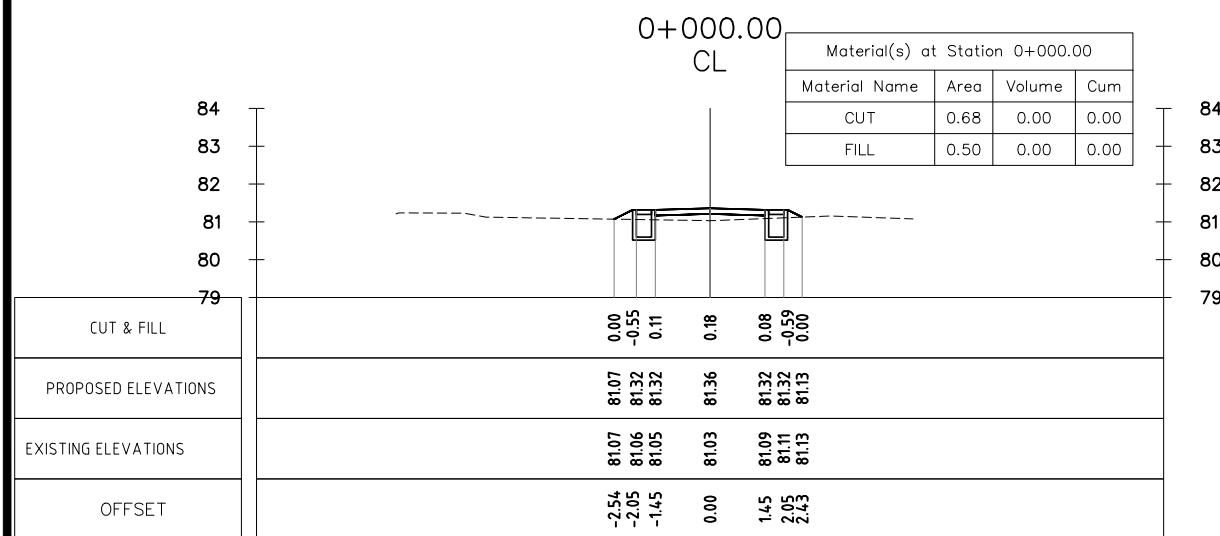
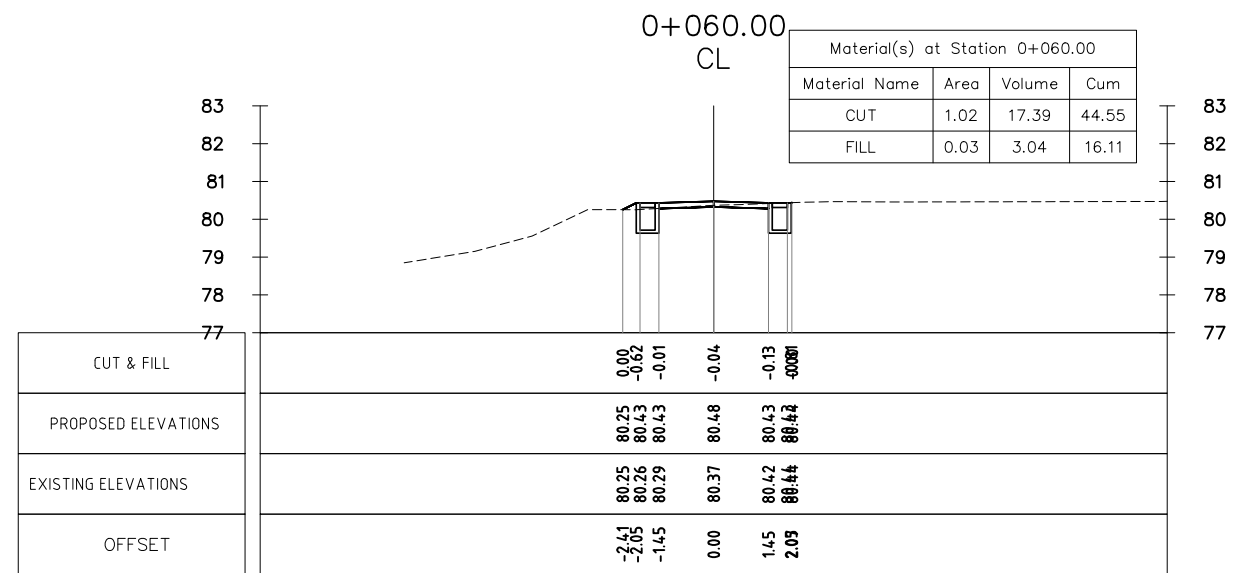
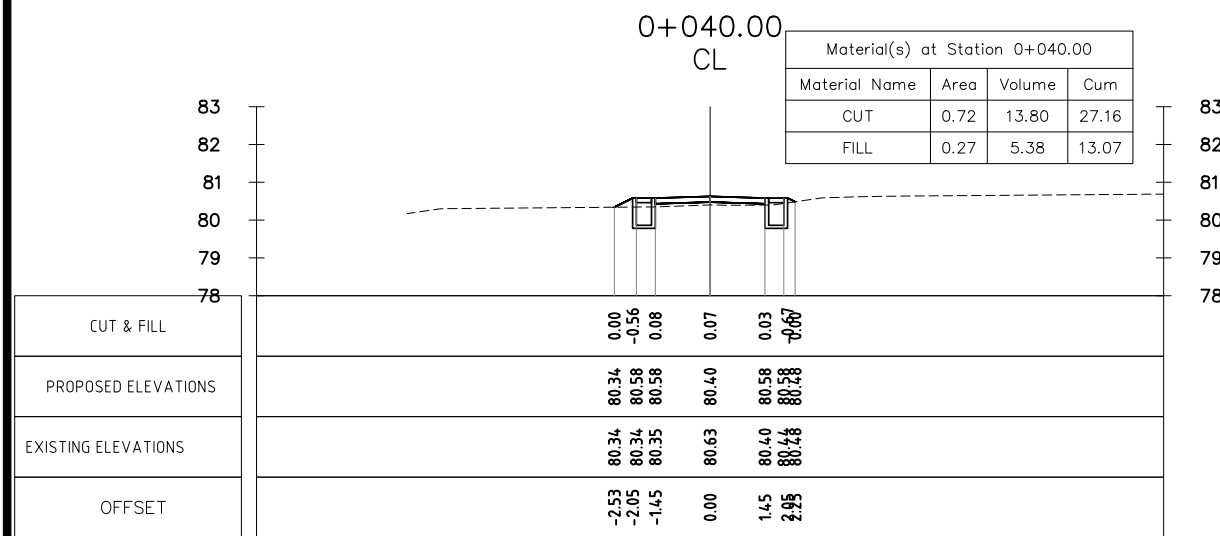
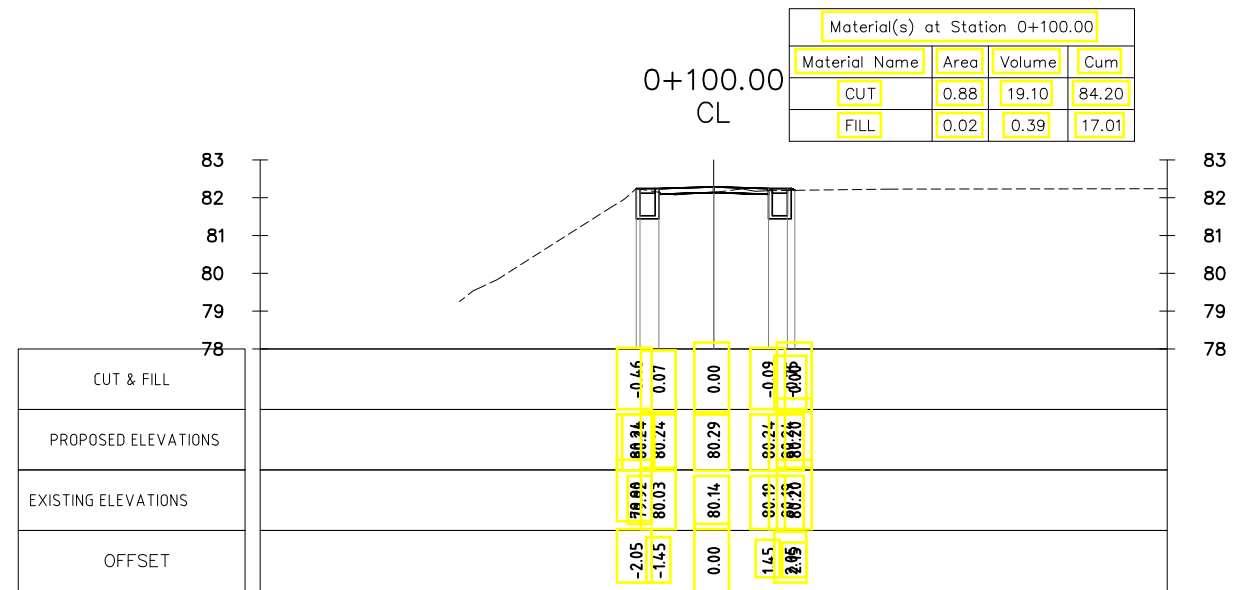
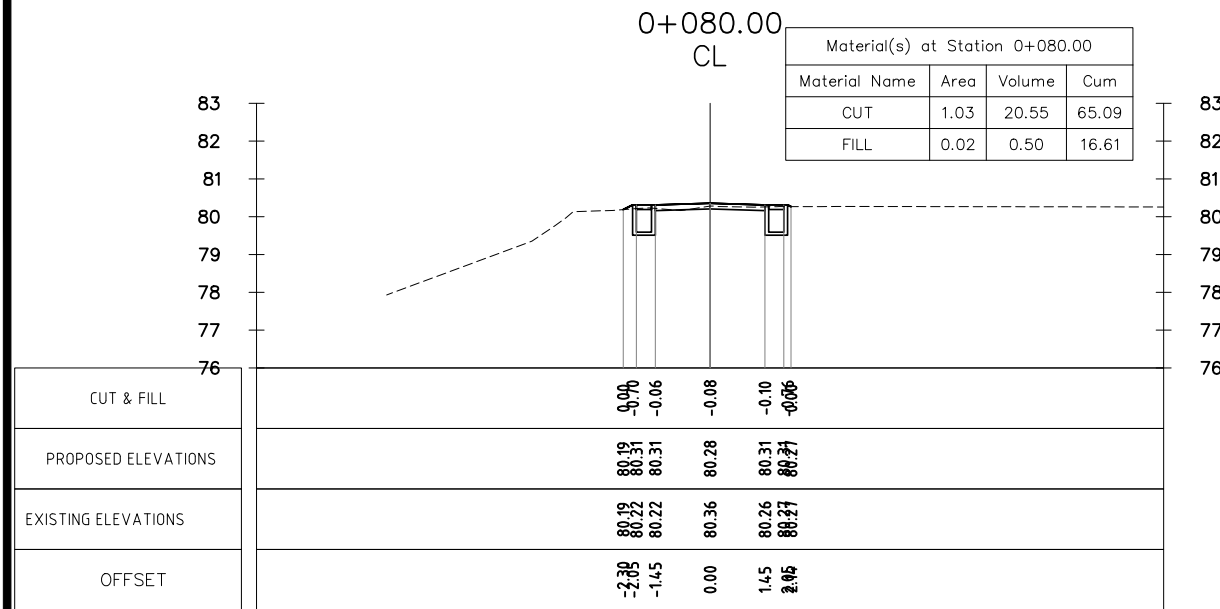
VERTICAL CURVE	L:20.203.852, A.D. -1.06% g=0.90% PVI:262.265, ELV 78.568		L:60.109 g=-0.16%		VC: 6159, A.D. 0.17% PVI: 2+360.09, ELV: 78.411		L:43.177 g=0.01%		VC: 9.50, A.D. 2.17% PVI: 2+438.82, ELV: 78.884		VC: 21.00, A.D. 6.27% PVI: 2+480.00, ELV: 78.893		L:18.730 g=6.61%			
HORIZONTAL CURVE	L:27.652 S53°44'17"W		R=52.658 R=32.169 R=30.469 R=18		L:16.787 R=15 L:13.145 R=12.720 R=12.85 R=9		L:7.03 R=52 L:12.817 R=150 L:12.823		R=110 L:4.903 R=108		L:14.783 R=7		L:21.421 R=21 L:14.496			
PROPOSED LEVEL	78.457	78.539	78.539	78.507	78.475	78.444	78.424	78.415	78.416	78.419	78.472	78.868	79.733	80.473		
EXISTING LEVEL	78.185	78.282	78.404	78.344	78.296	78.398	78.189	78.216	78.233	78.277	78.448	78.672	79.410	80.341		
HEIGHT DIFFERENCE	0.272	0.256	0.135	0.163	0.178	0.046	0.235	0.199	0.183	0.142	0.024	0.196	0.323	0.132		
STATION	2+250				2+300				2+400				2+491			

REVISION:		
No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_  
 TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR  
 LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**  
 PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 DRAWING TITLE: ACCESS ROAD -A2(TRL03) PLAN AND PROFILE Sta:km 2+250-2+491  
 SCALE IN A3: H1/1000 V1/100  
 DATE: \_\_\_\_\_  
 DRAWING No.: LAO - NKS  
 C-92



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE:  
 DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



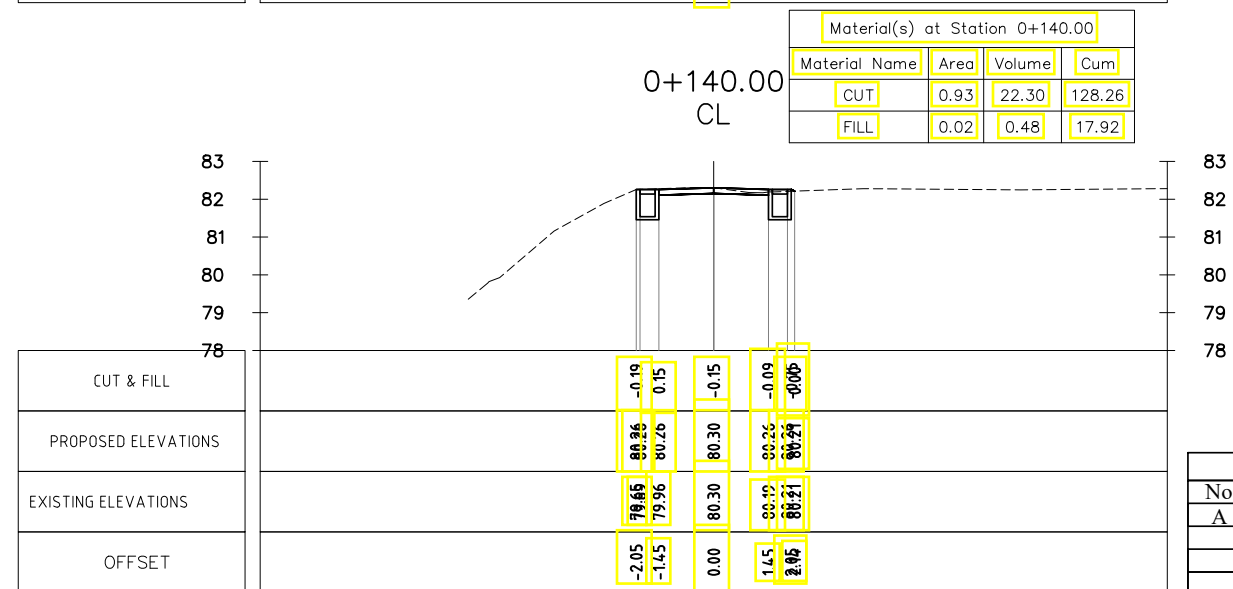
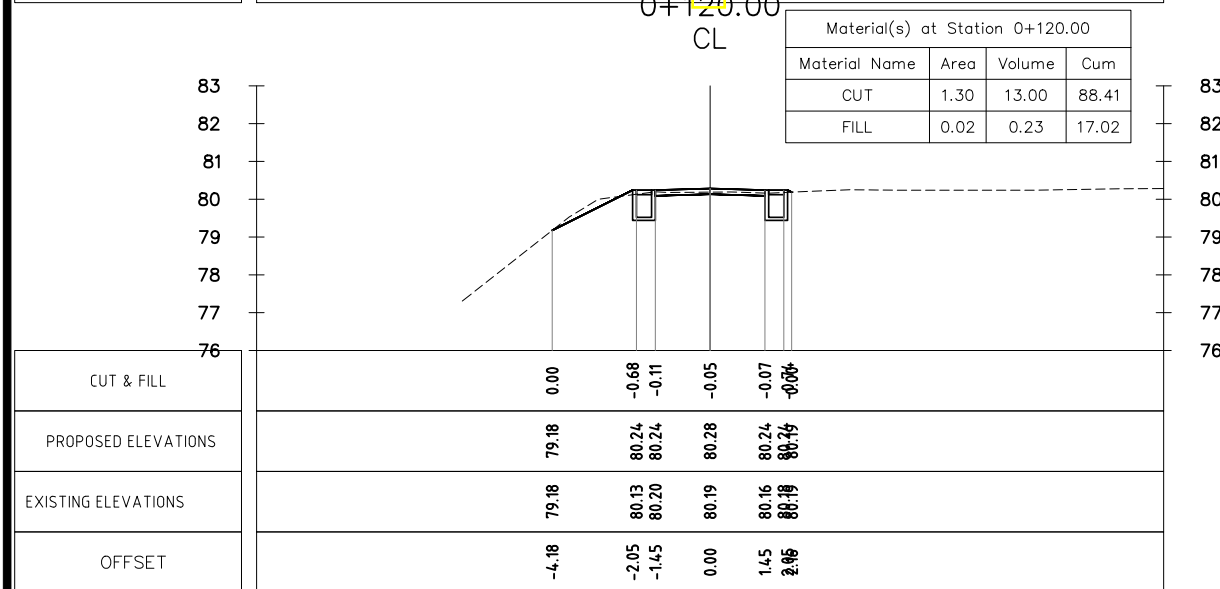
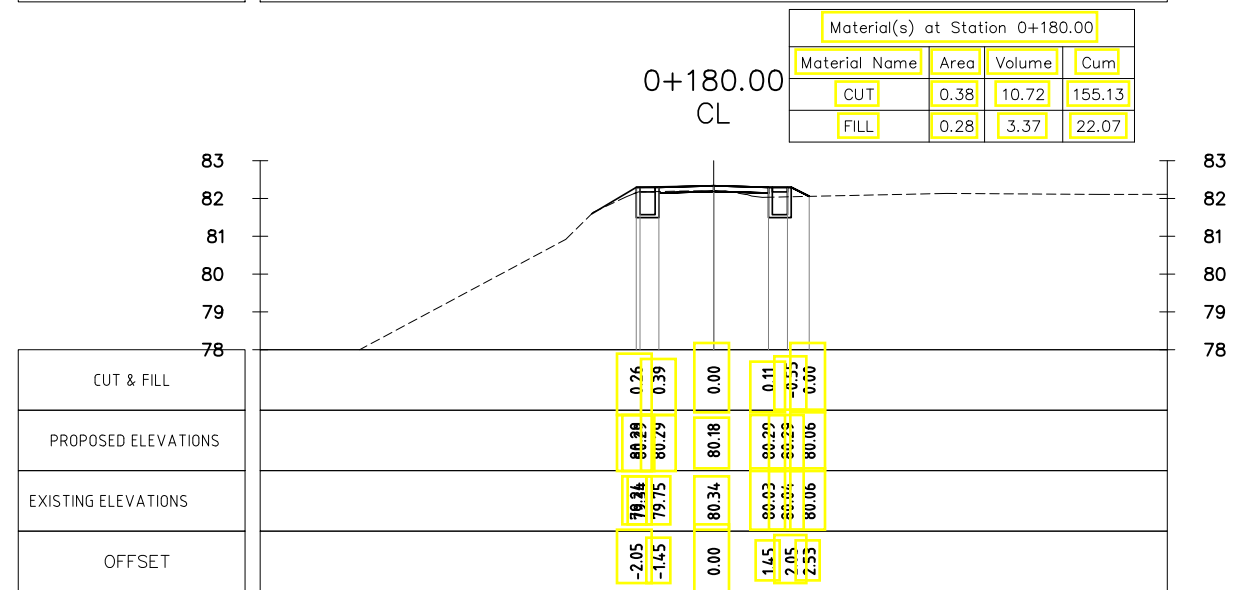
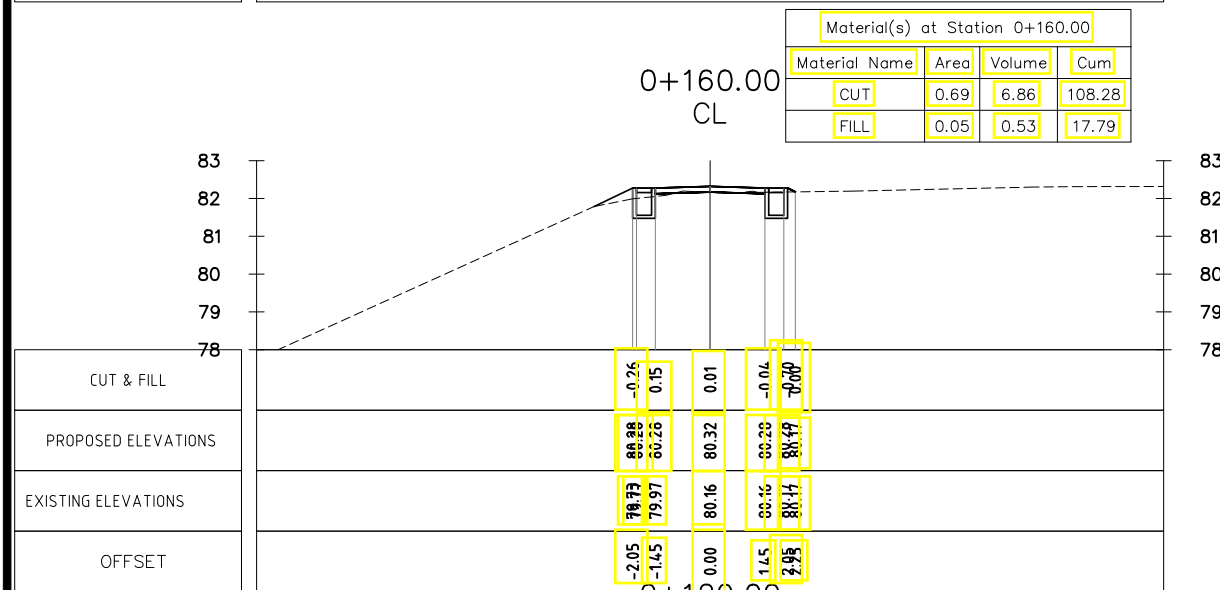
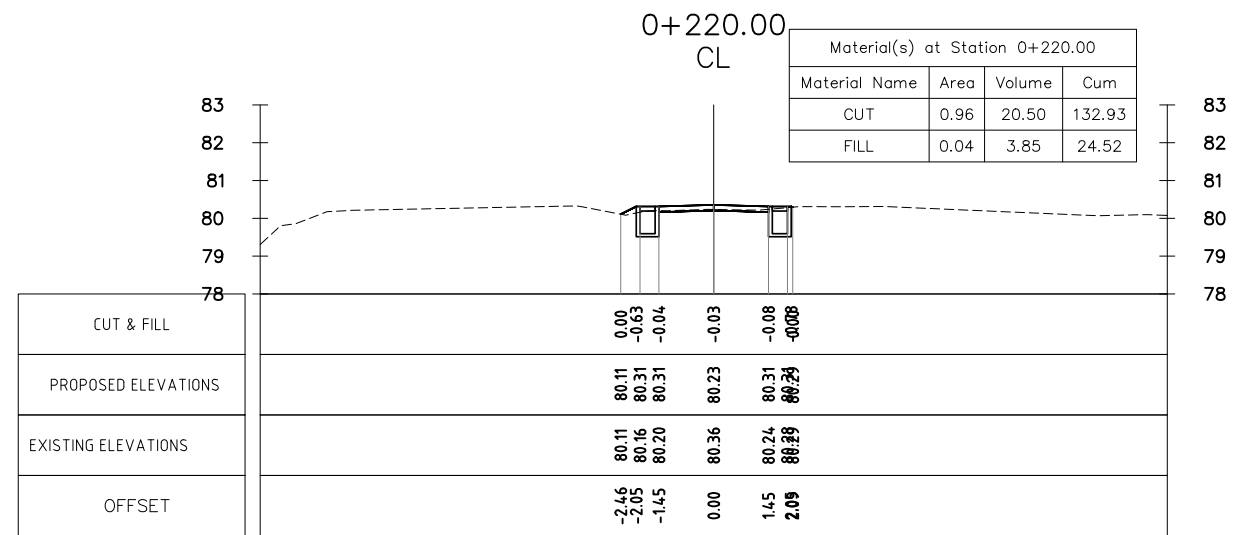
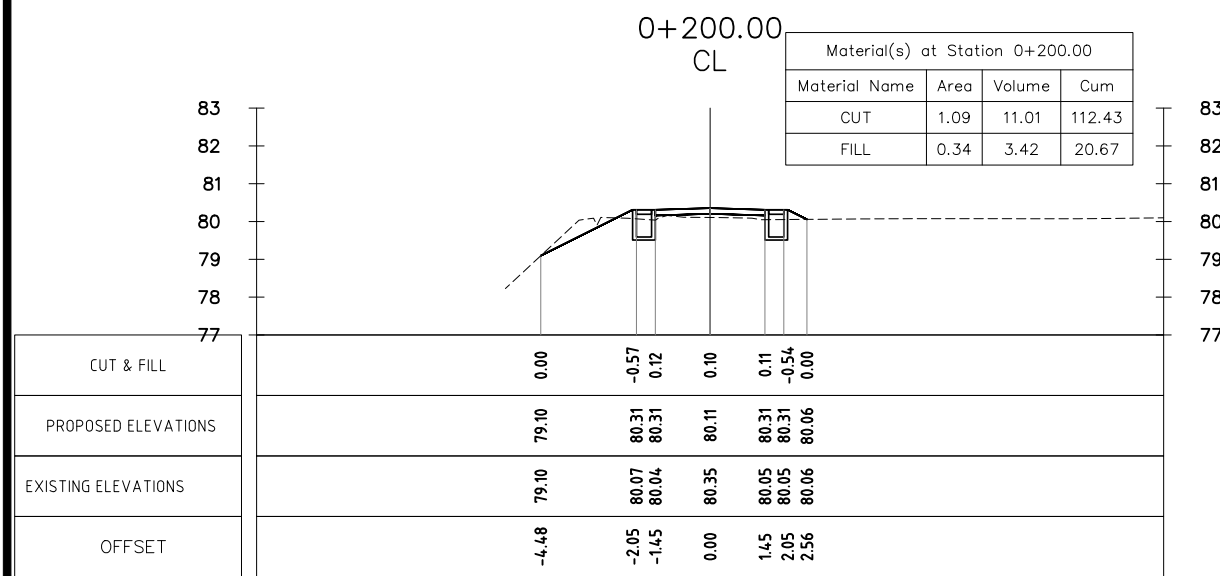
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 0+000-0+100

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-93
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

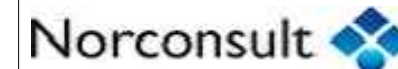
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 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

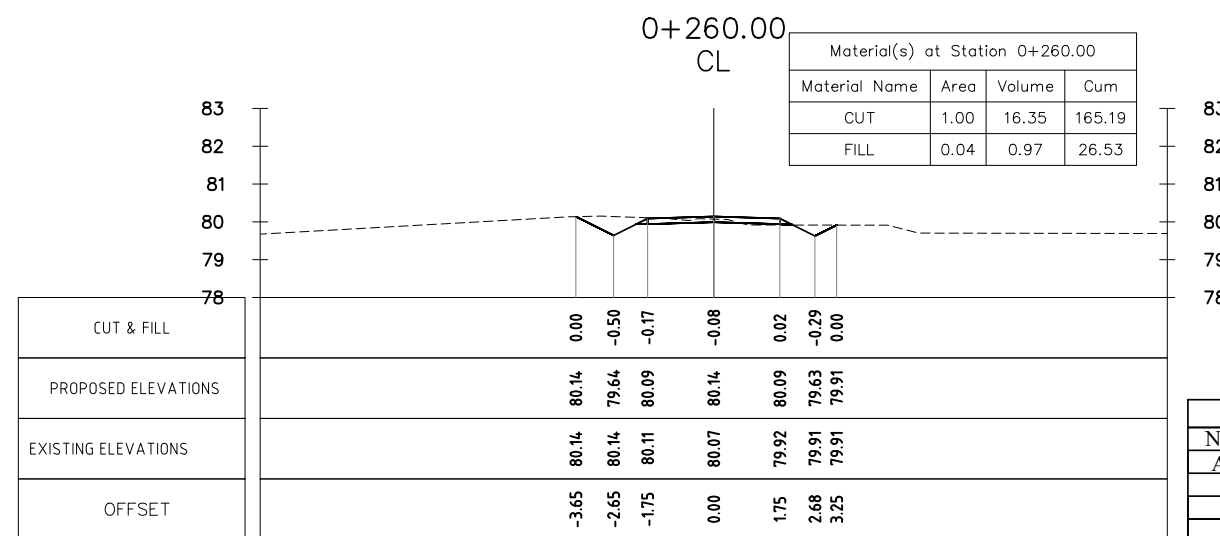
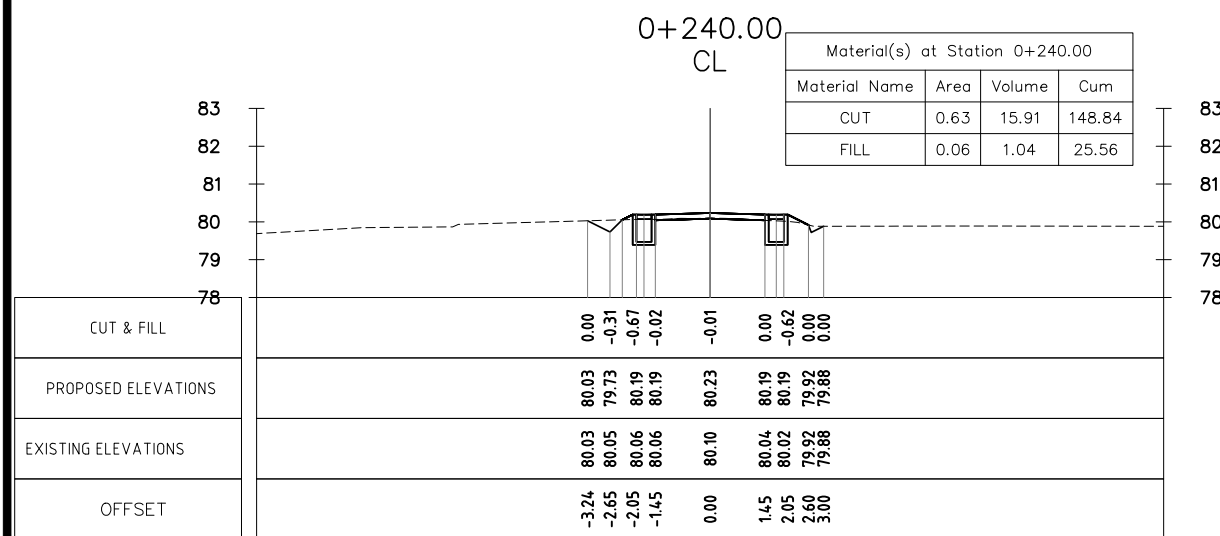
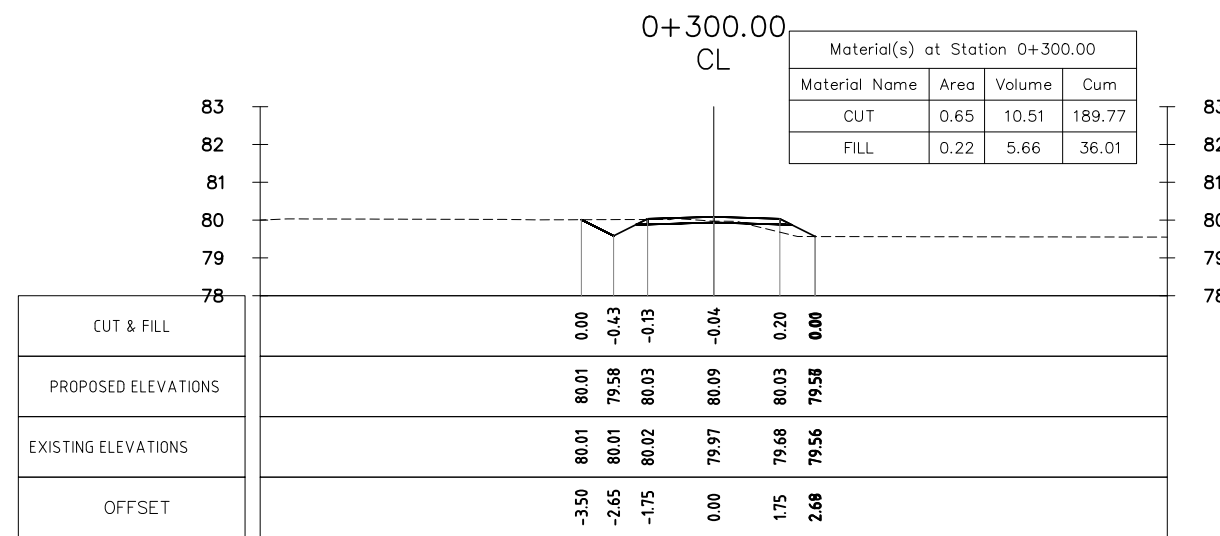
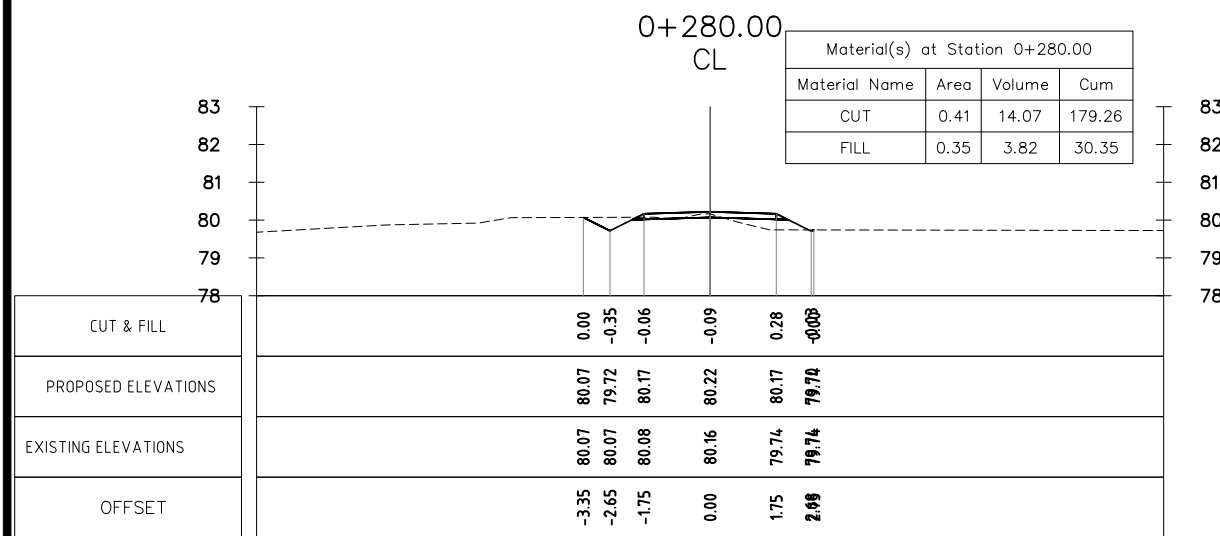
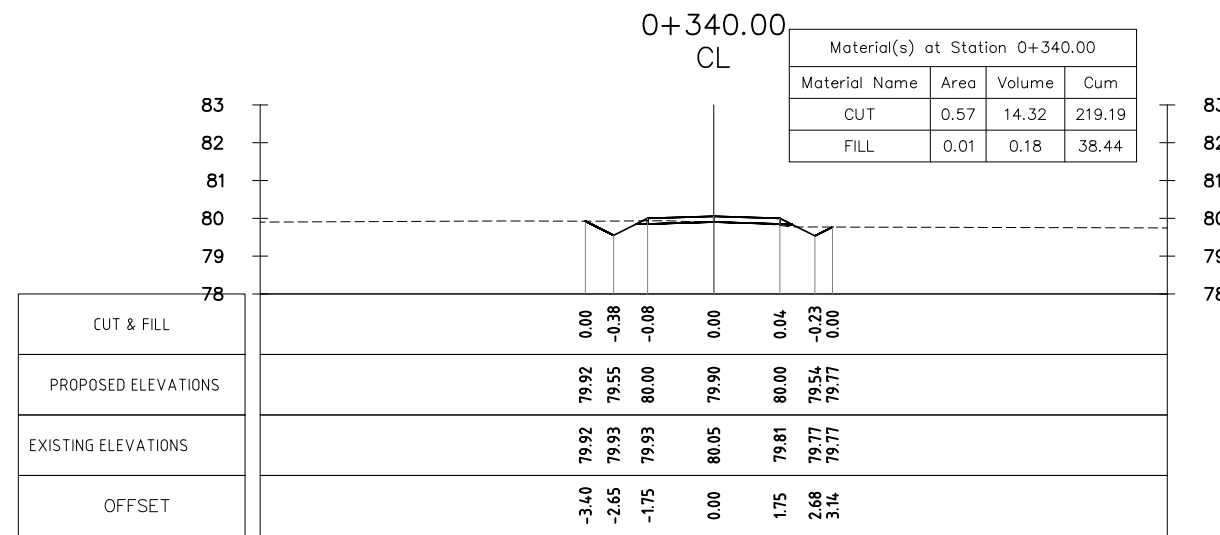
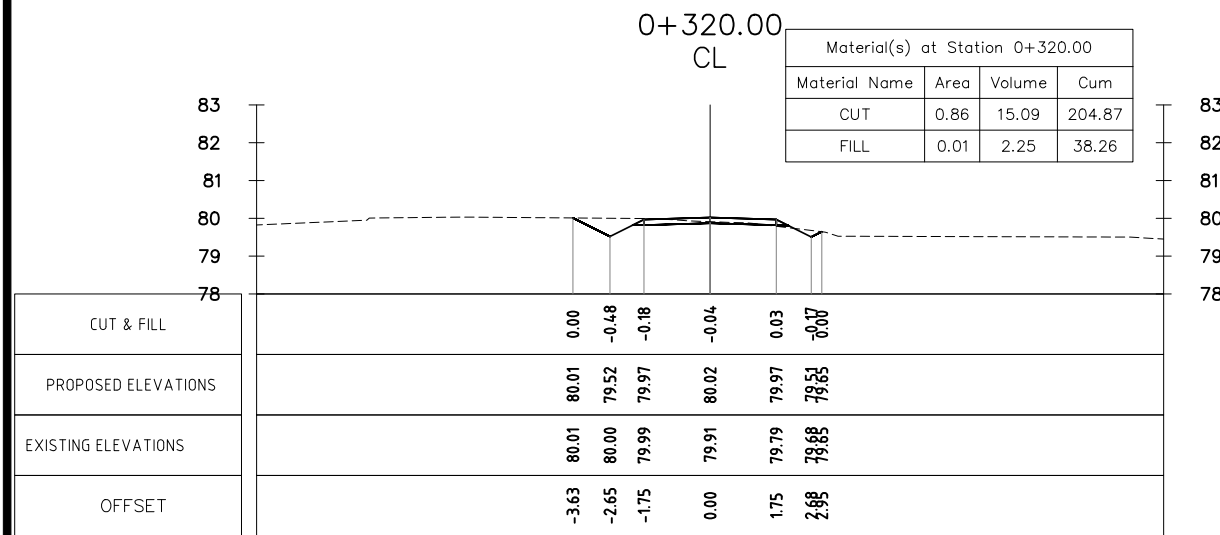


LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 0+120-0+220			
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-94



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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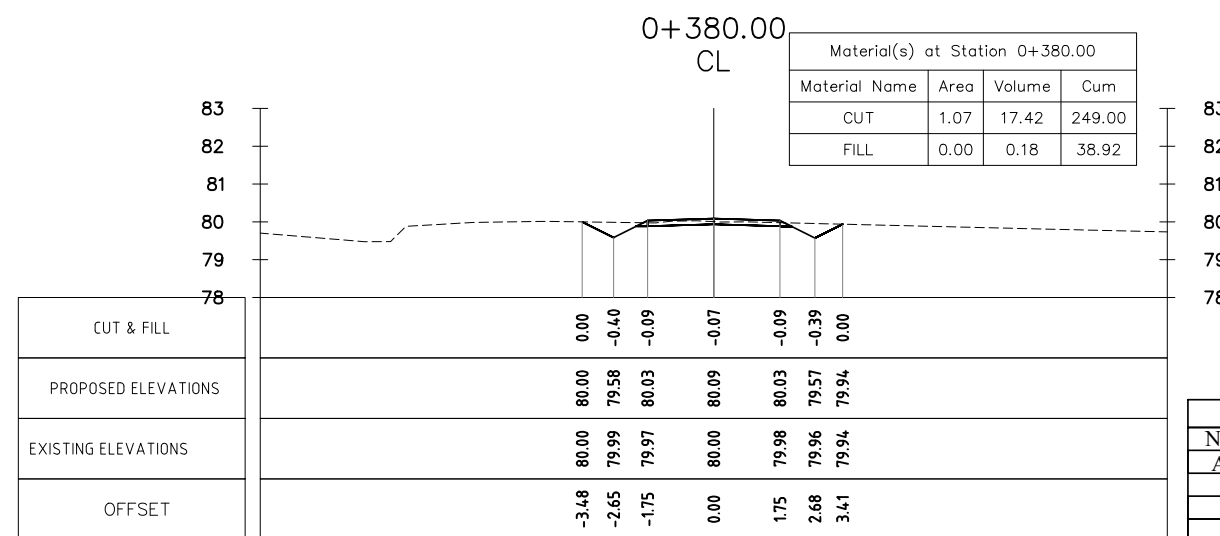
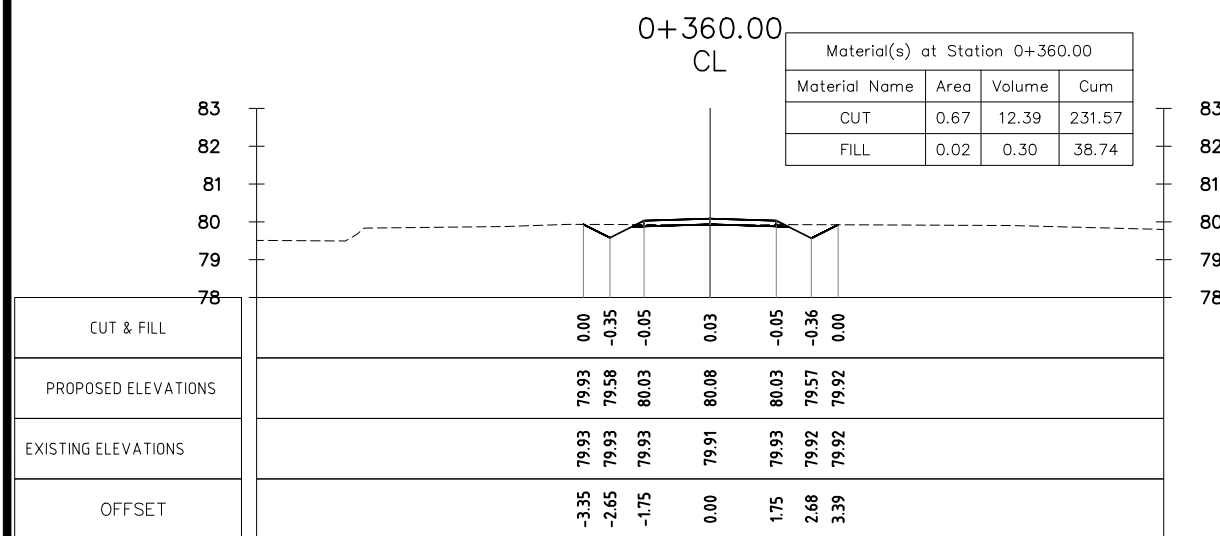
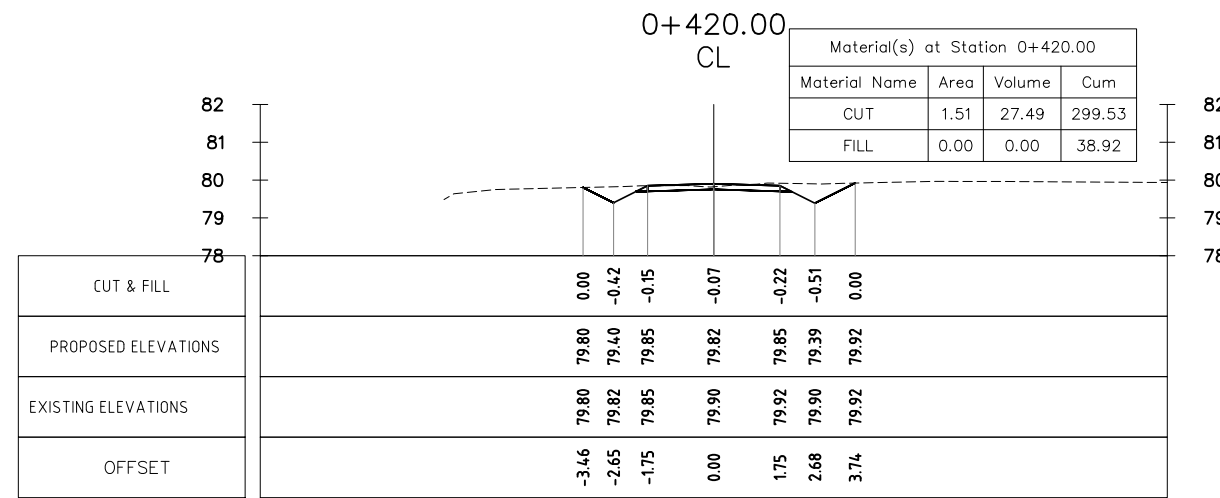
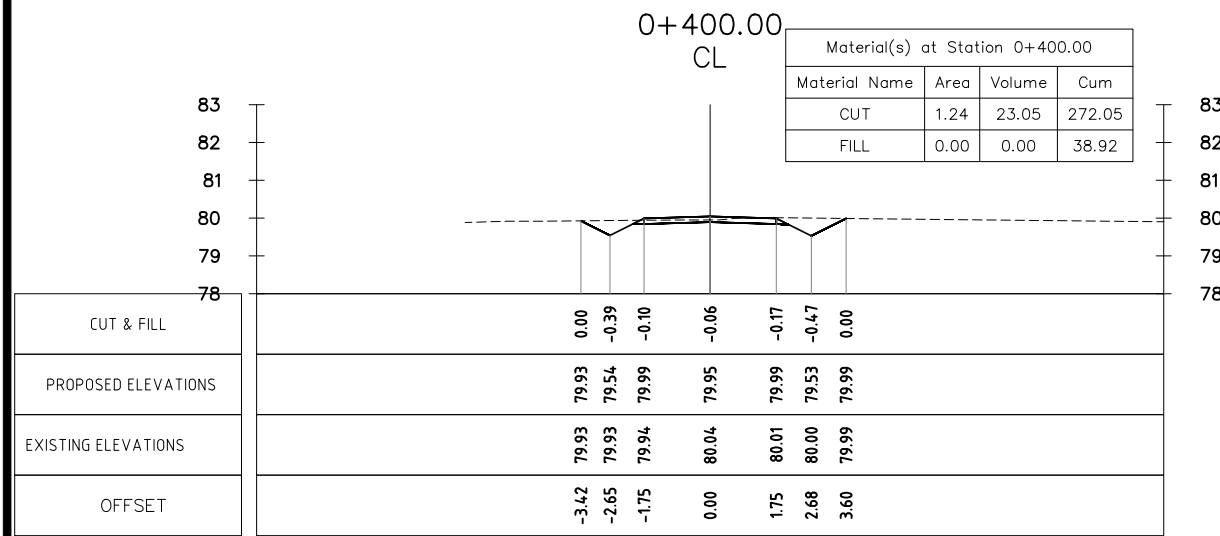
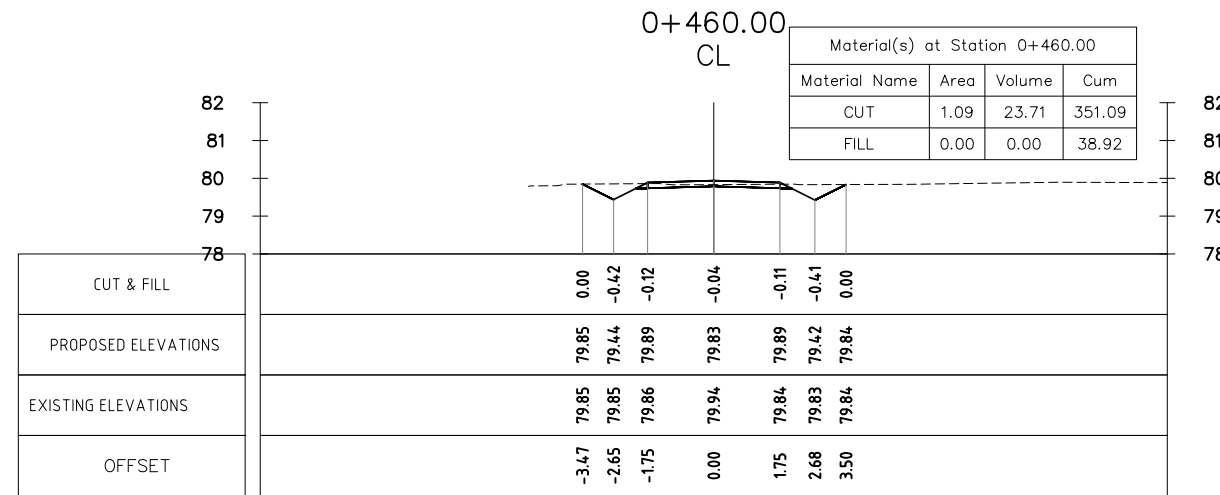
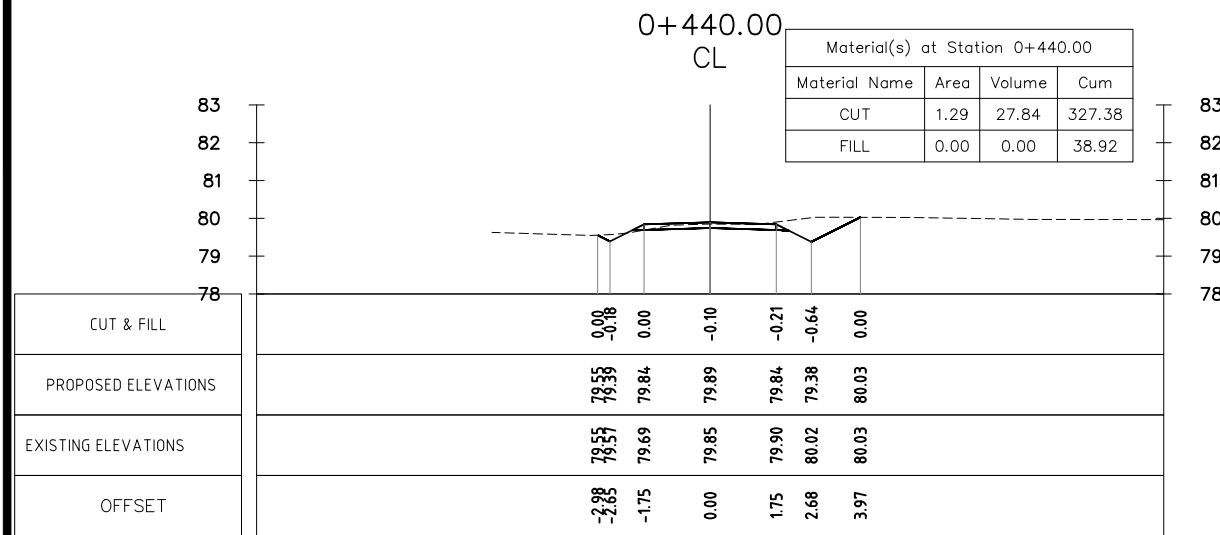


LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 0+240-0+340			
SCALE IN A3:	DATE :	DRAWING No. :	C-95
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

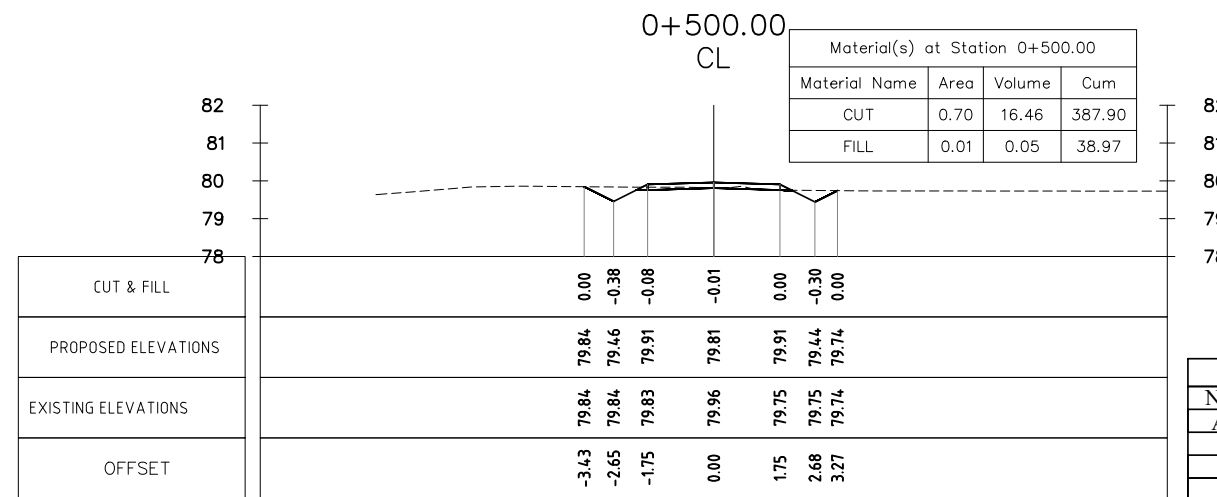
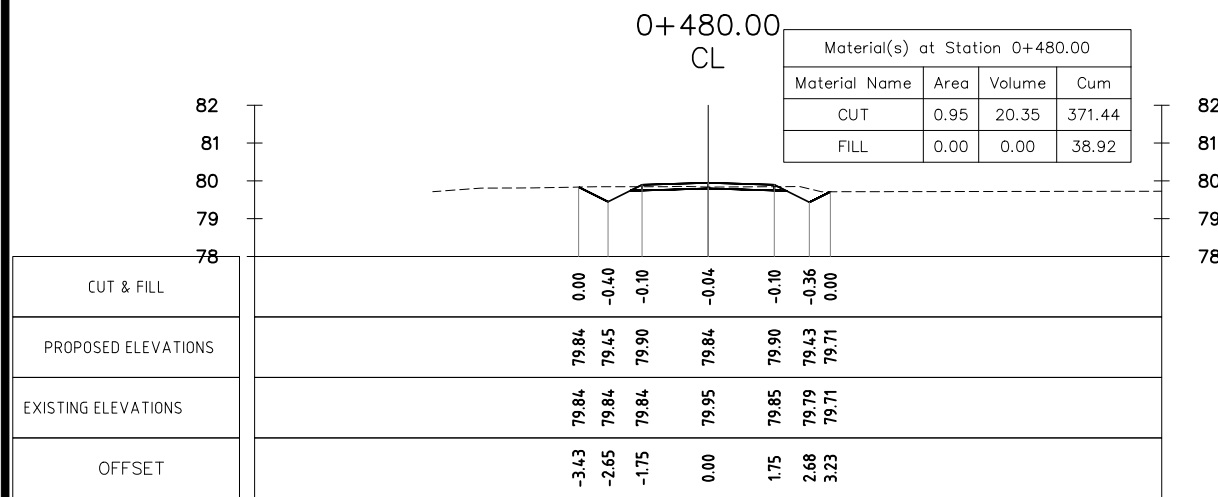
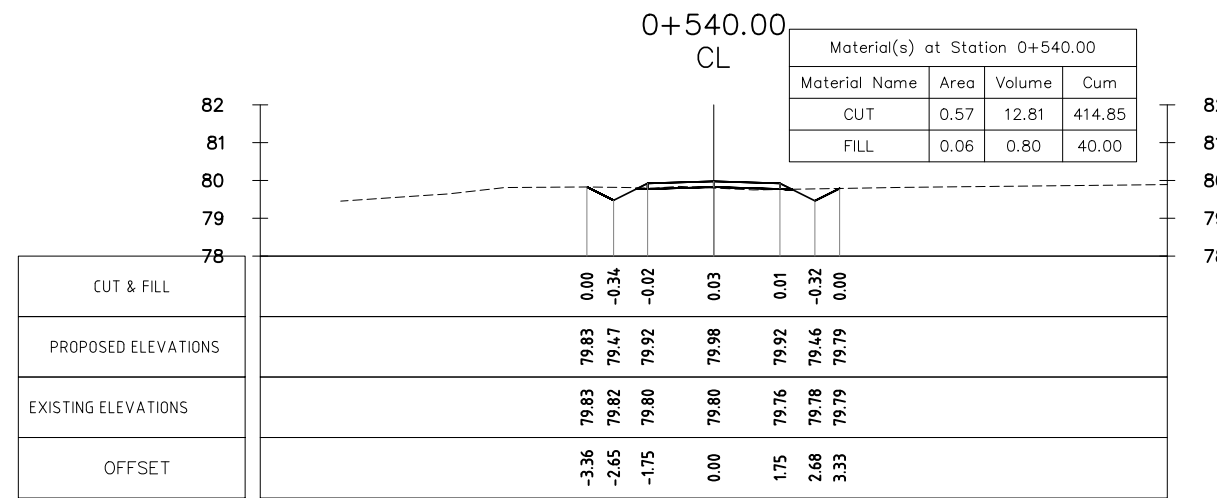
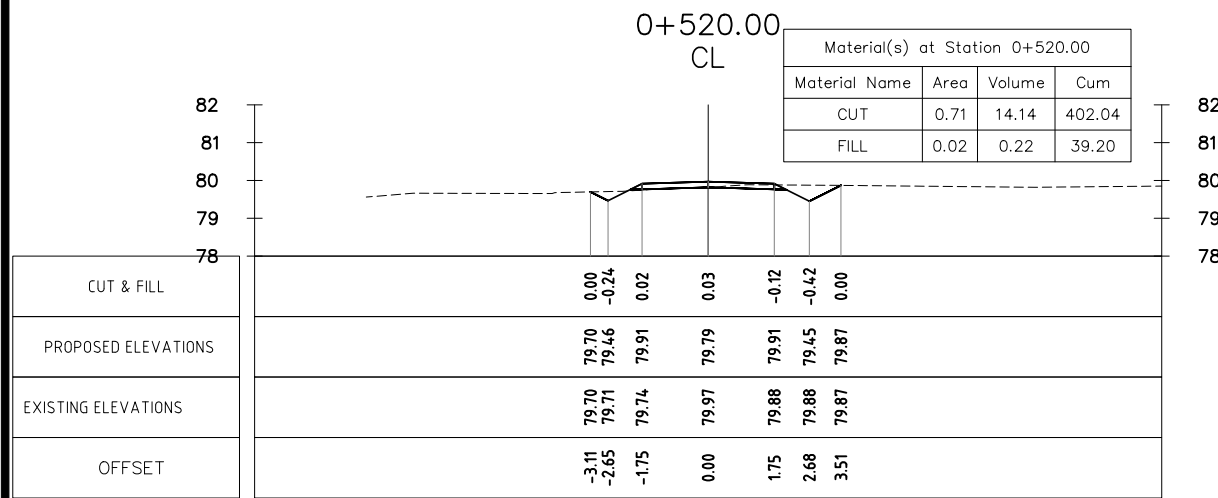
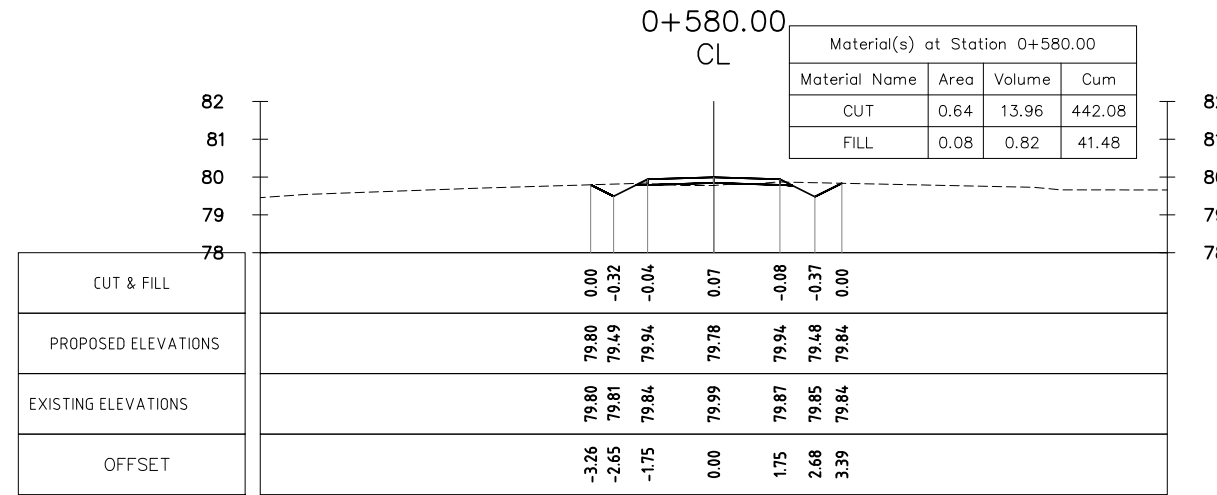
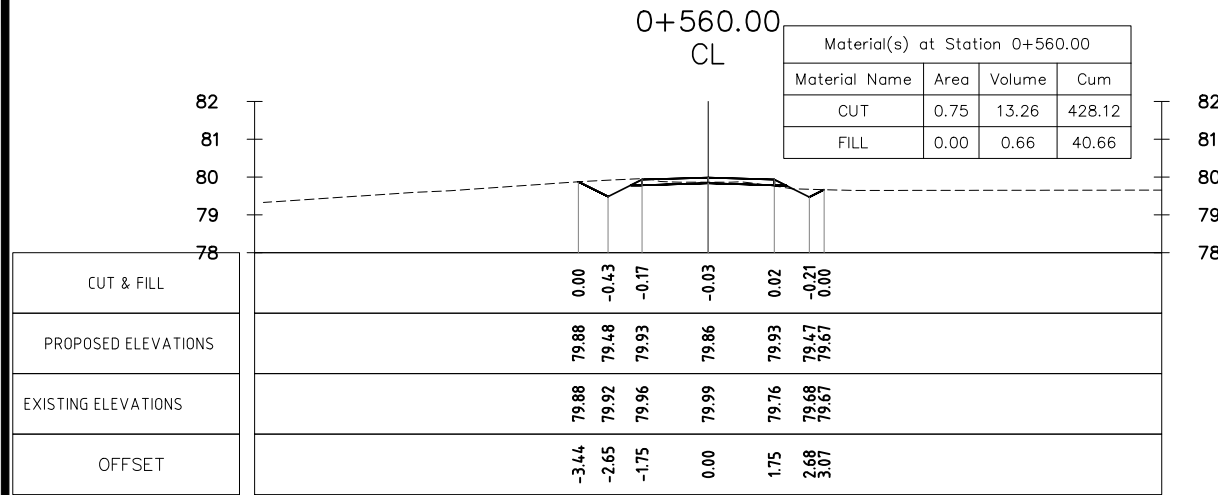


PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 0+360-0+460

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-96
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

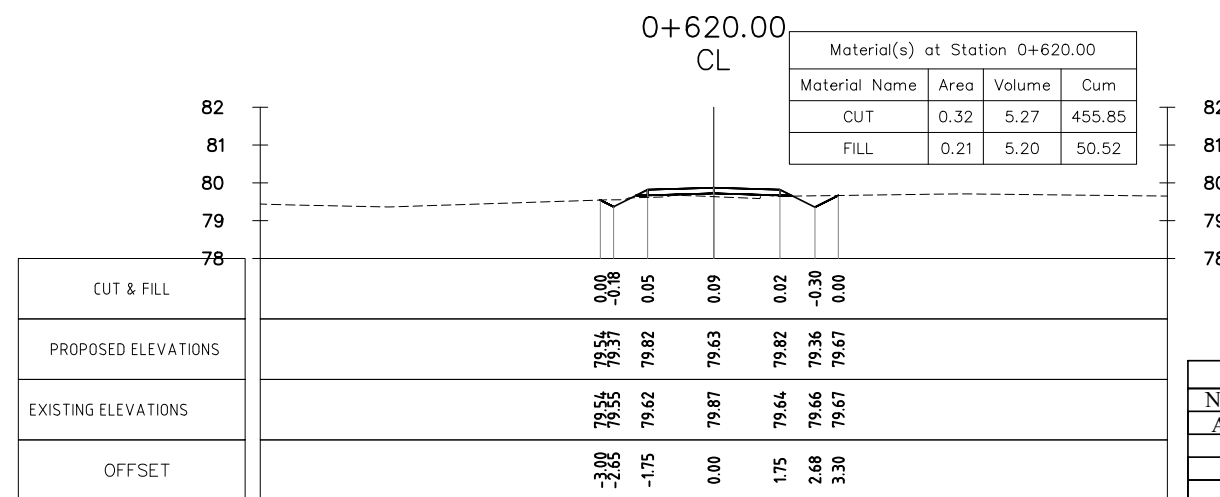
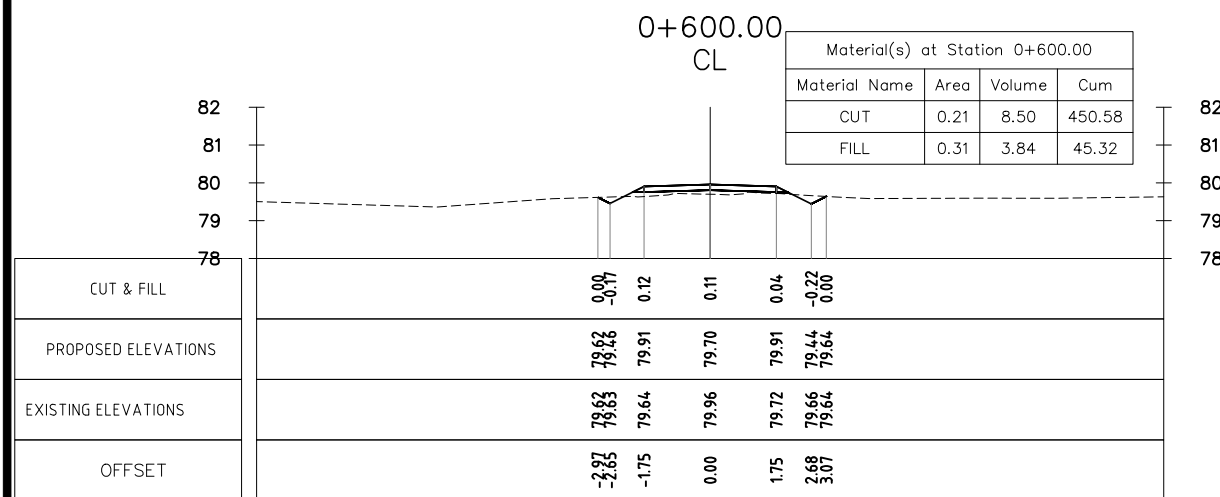
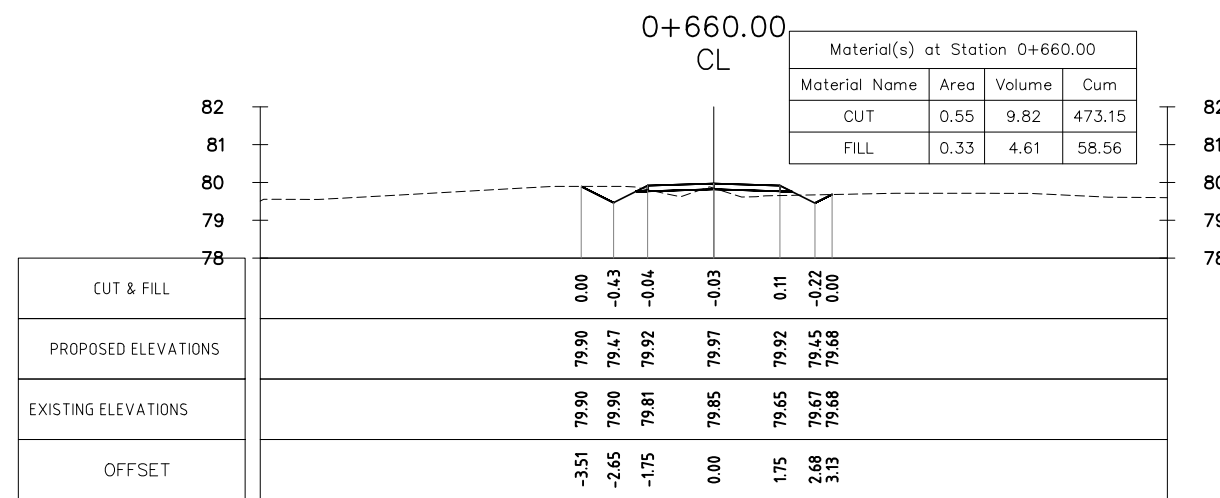
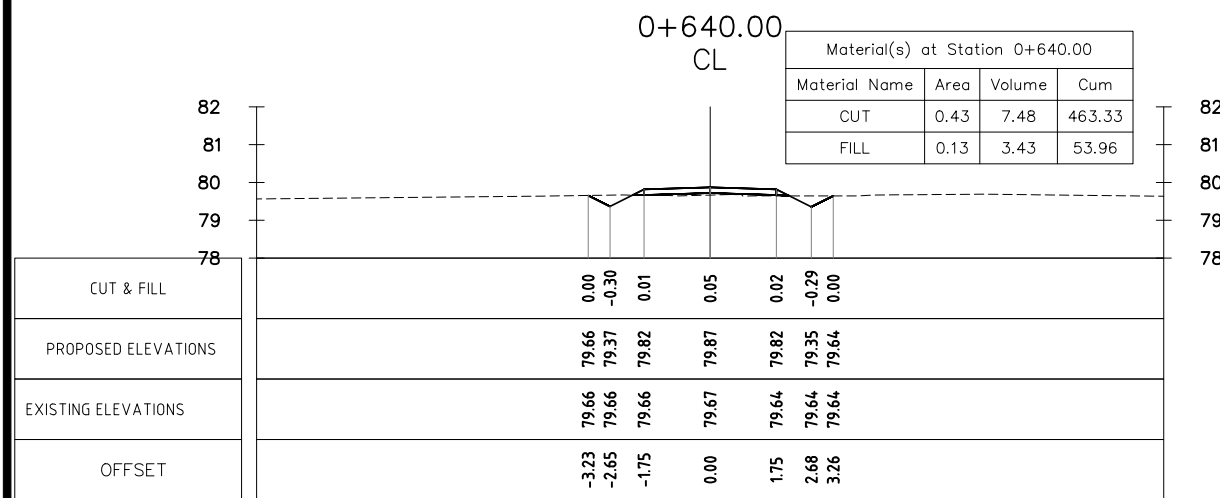
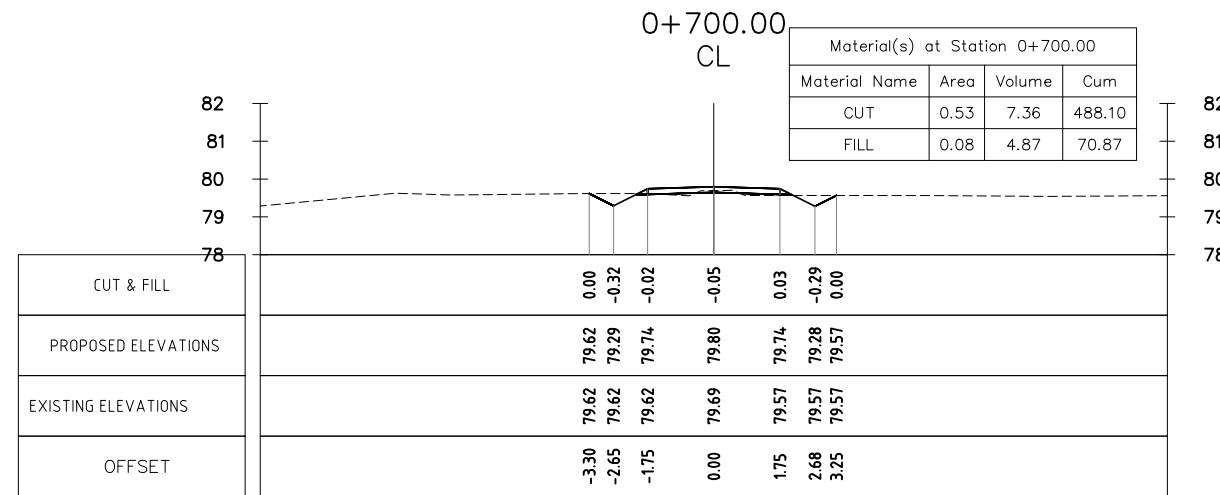
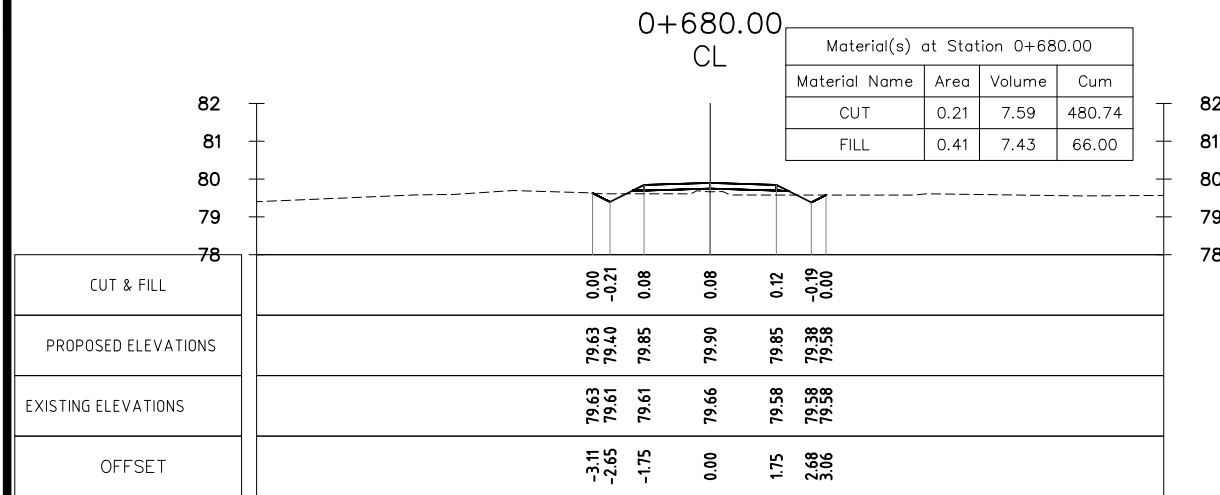
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 0+480-0+580			
SCALE IN A3:	DATE :	DRAWING No. :	C-97
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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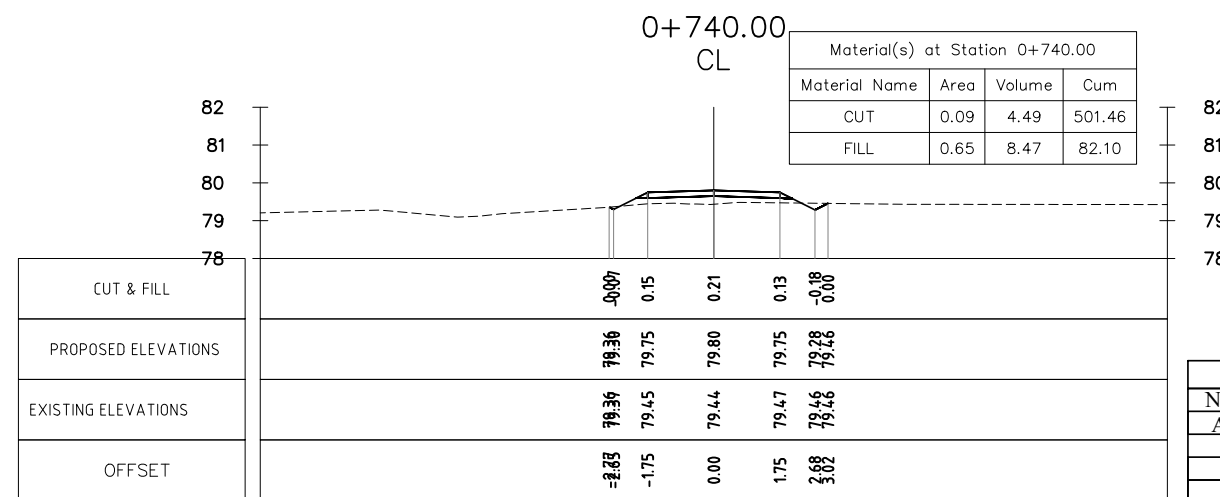
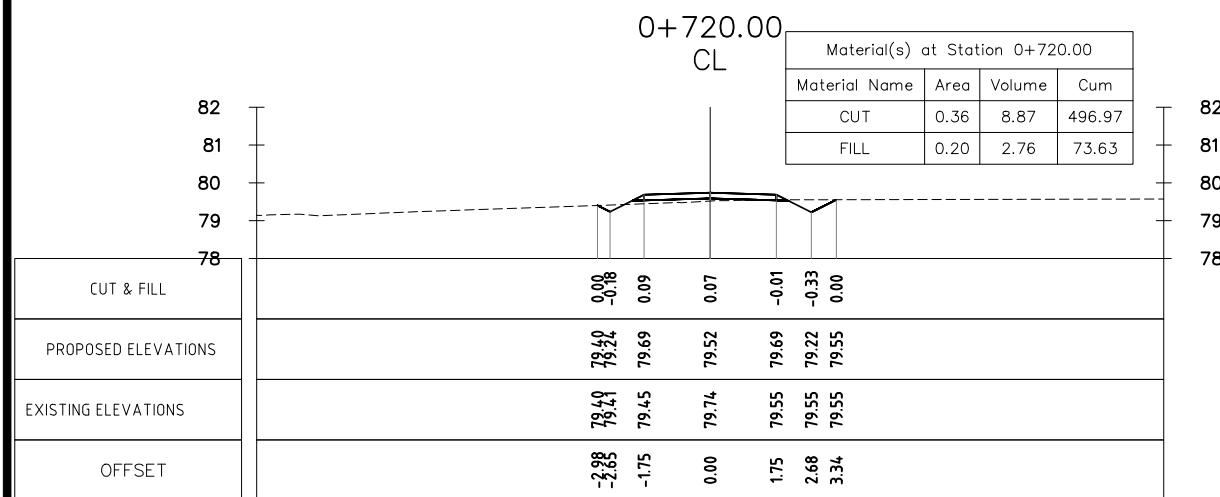
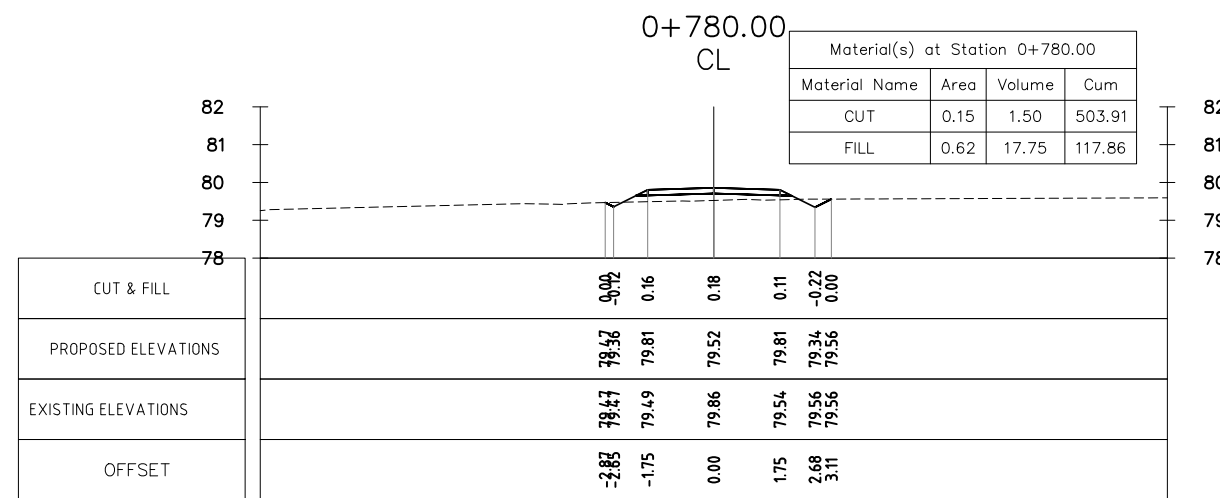
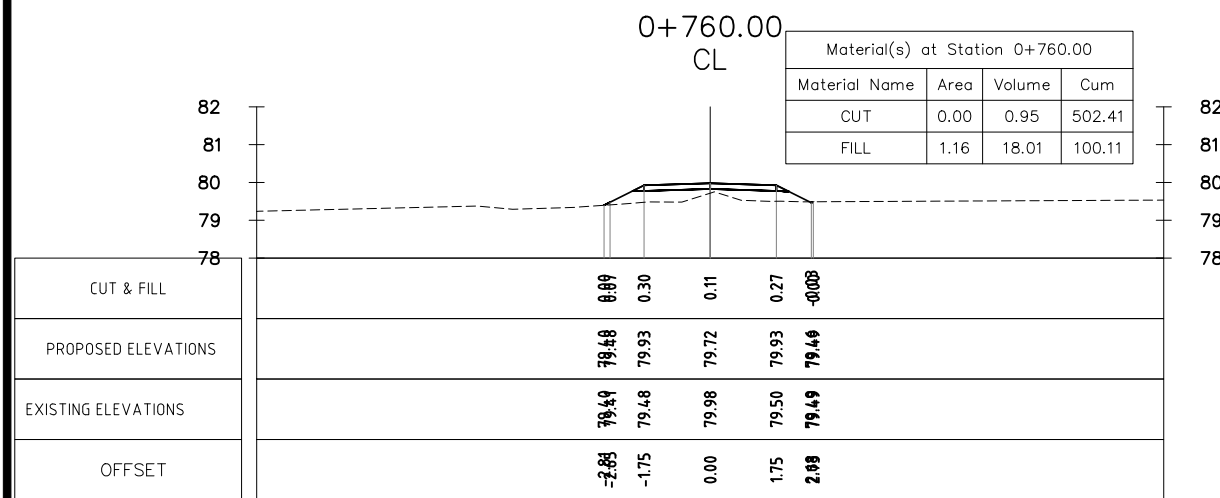
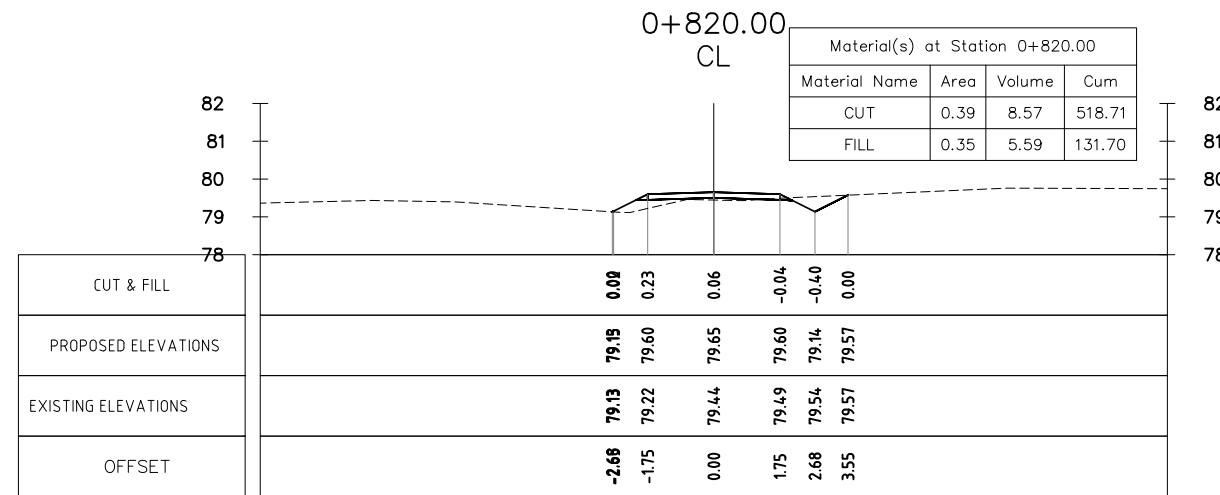
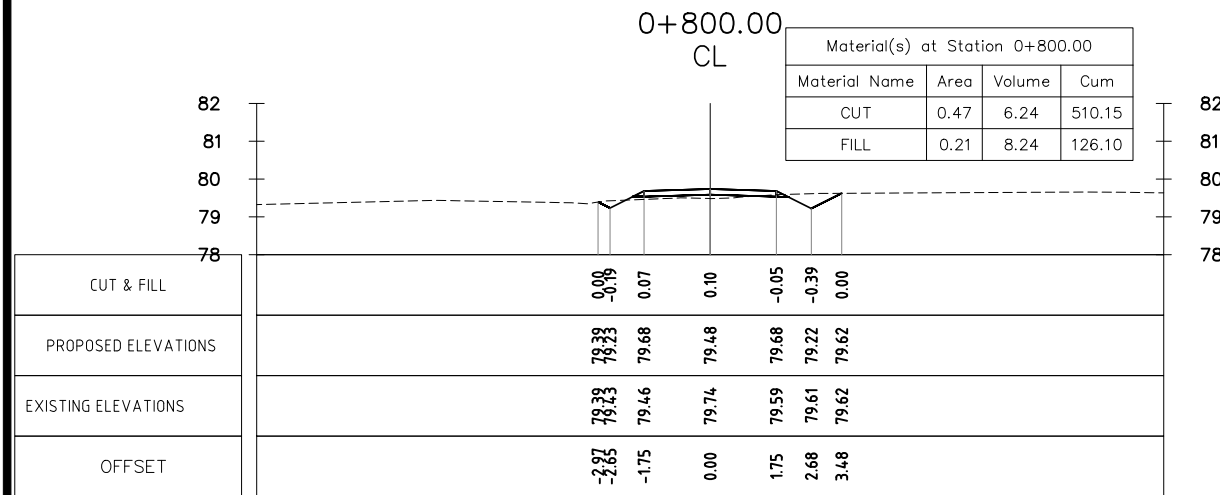


LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 0+600-0+700			
SCALE IN A3:	DATE :	DRAWING No. :	C-98
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



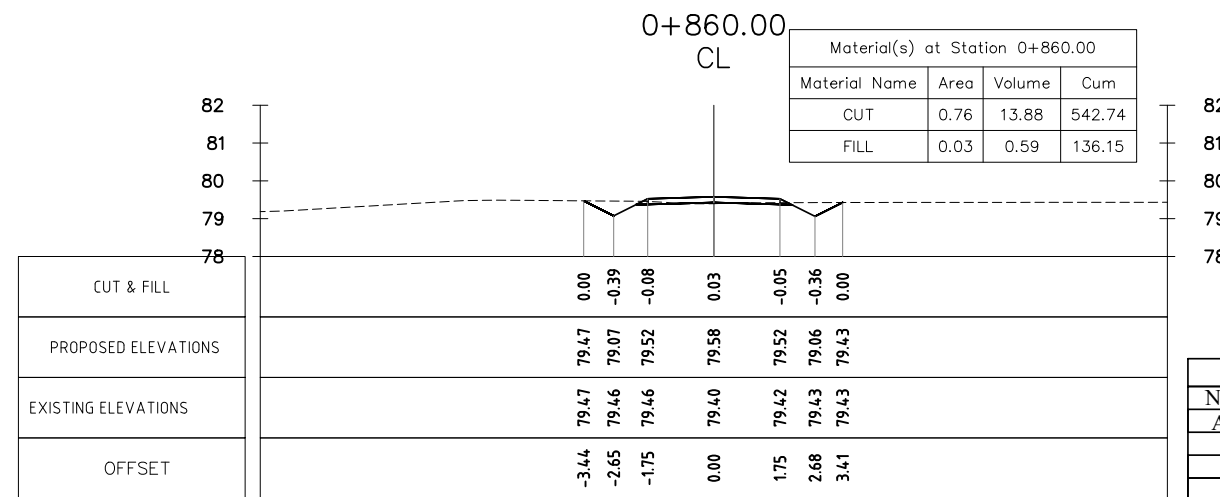
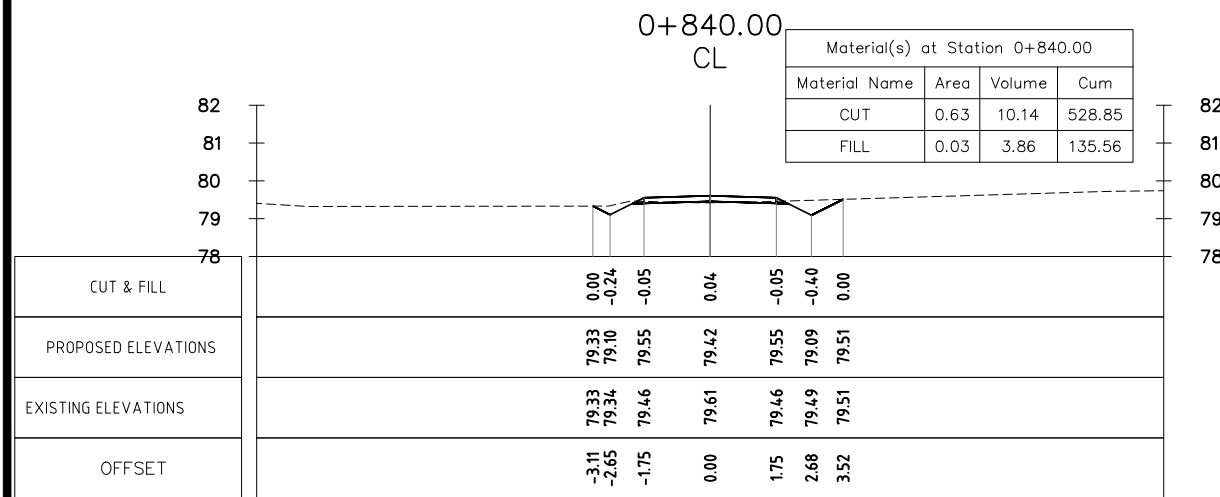
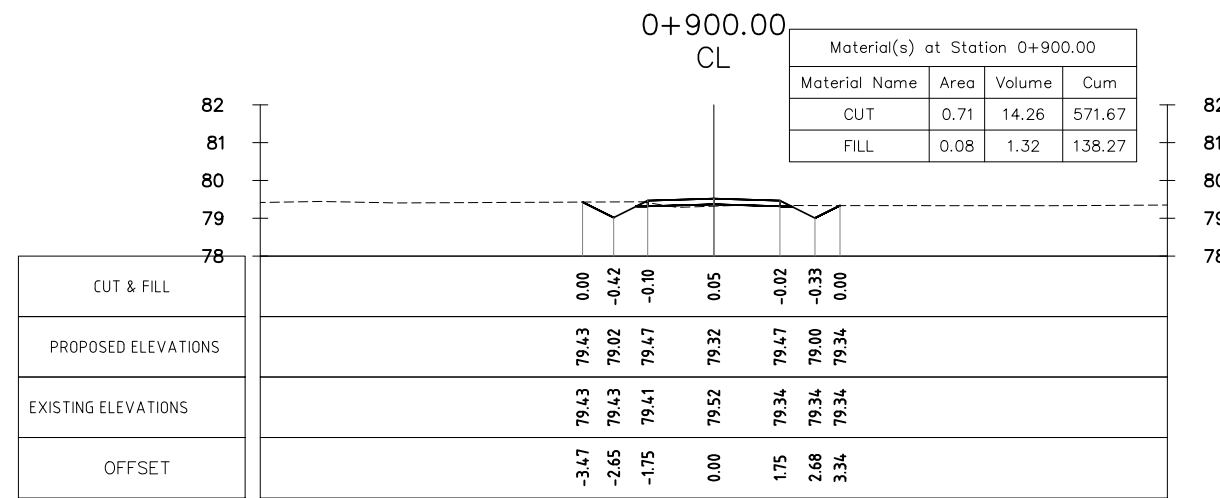
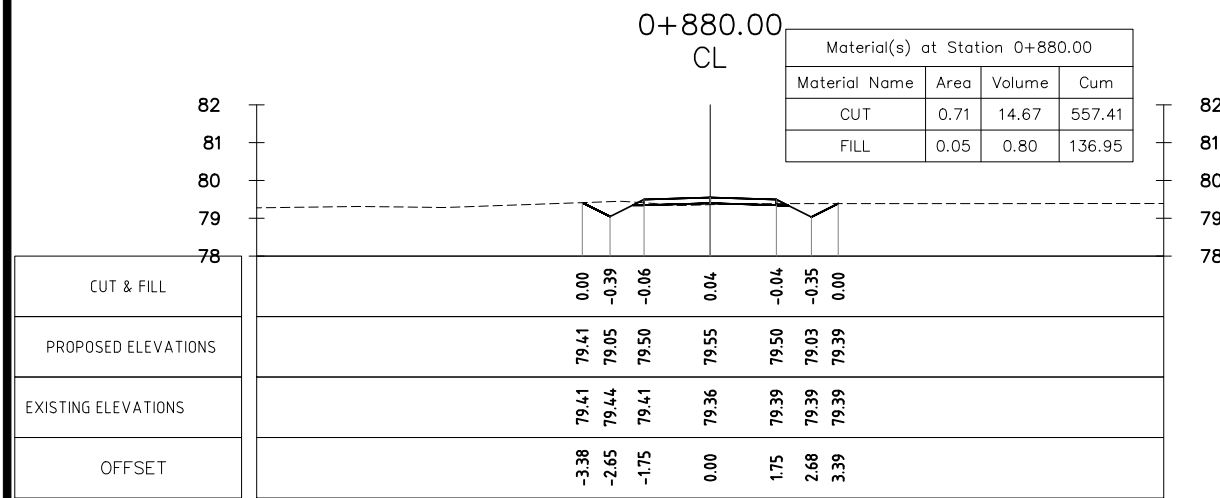
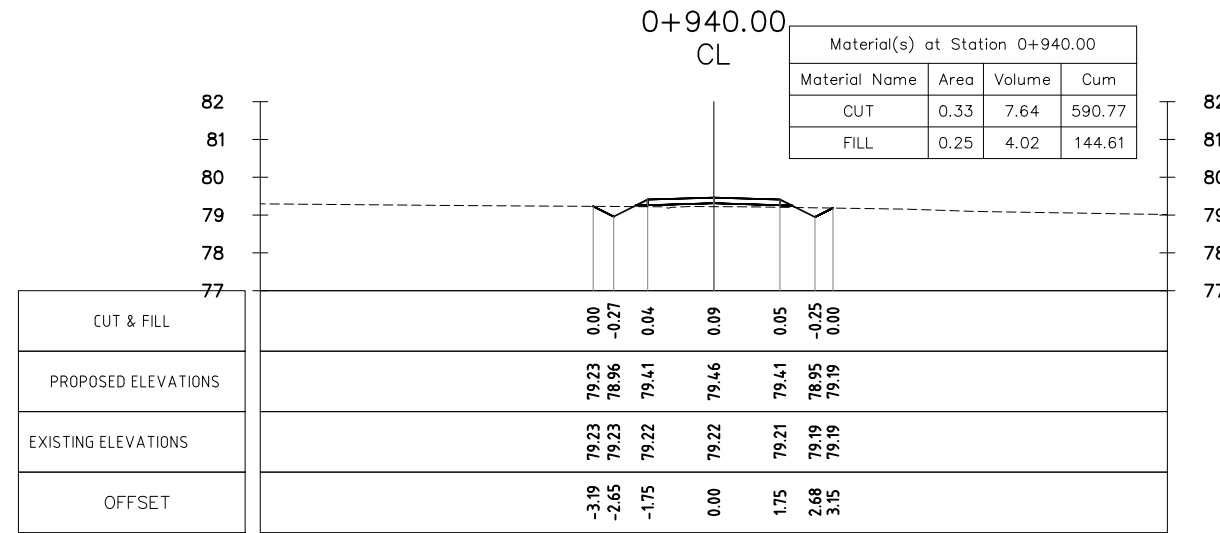
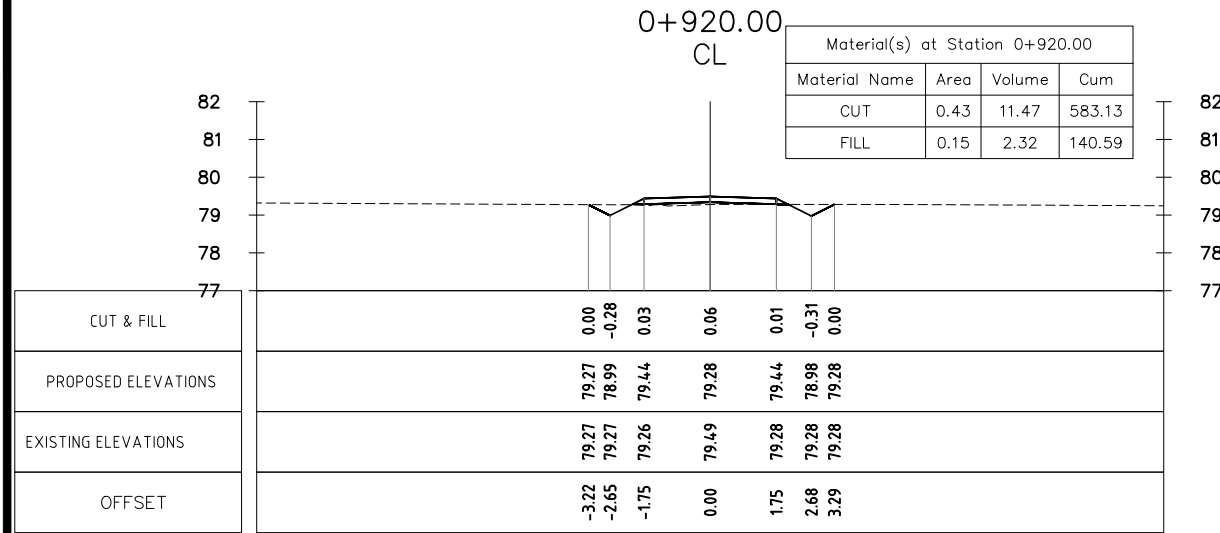
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 0+720-0+820

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-99
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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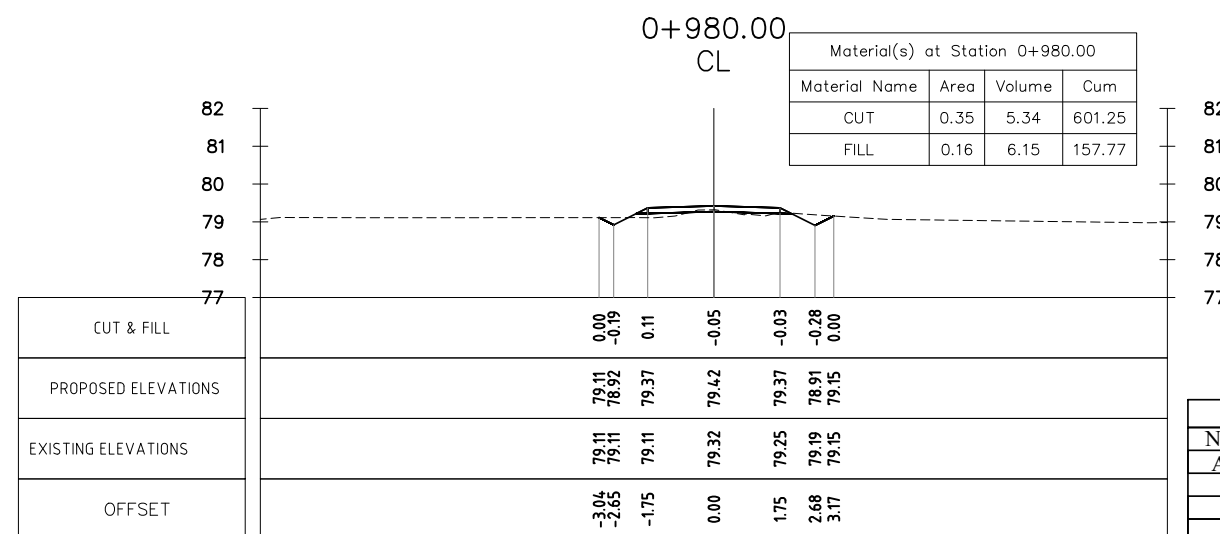
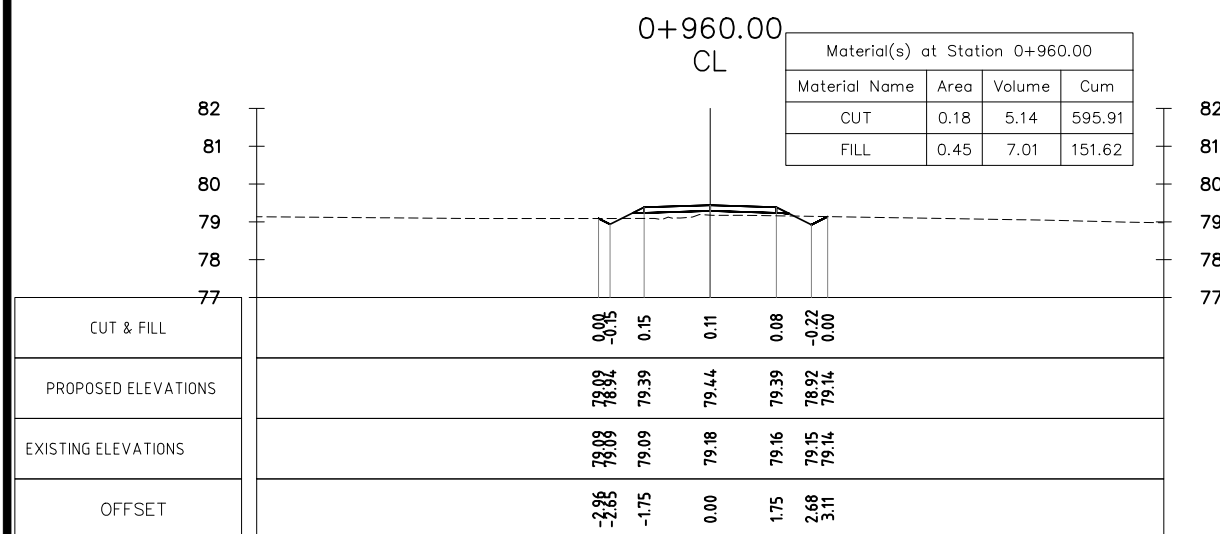
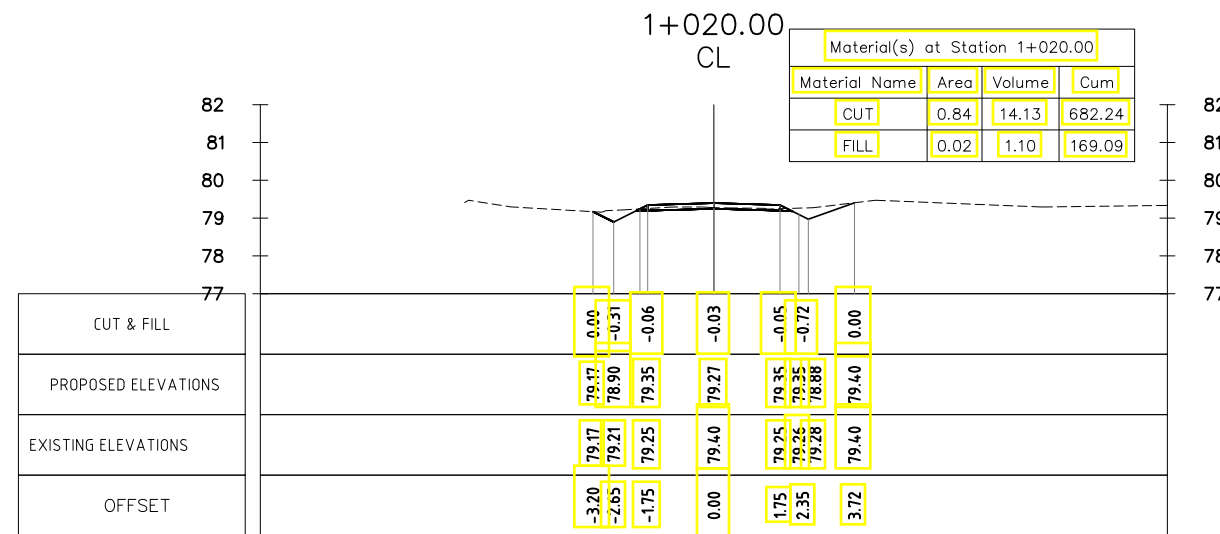
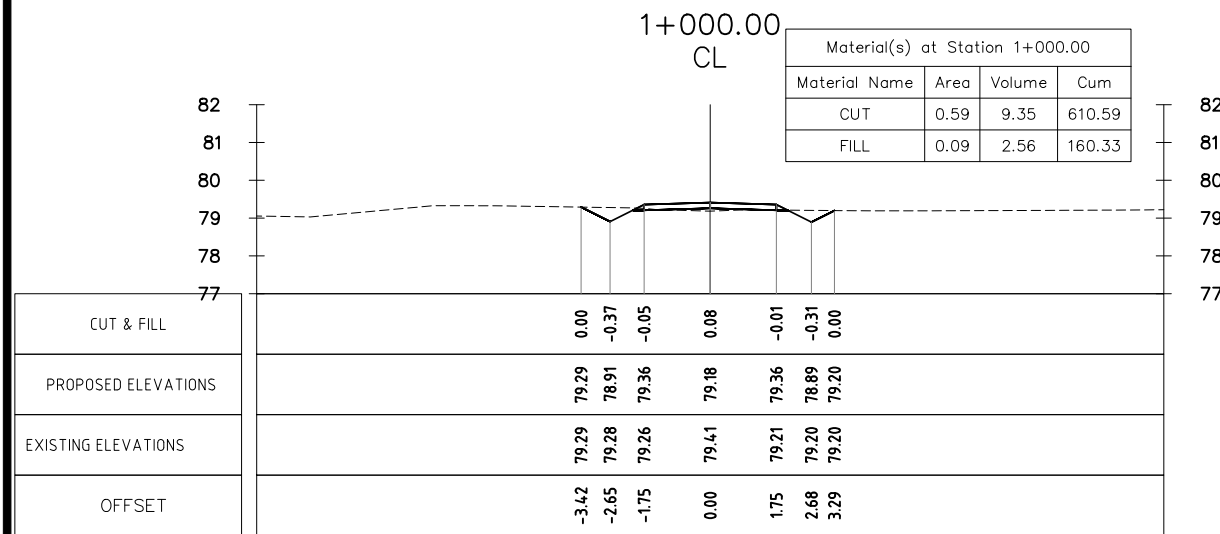
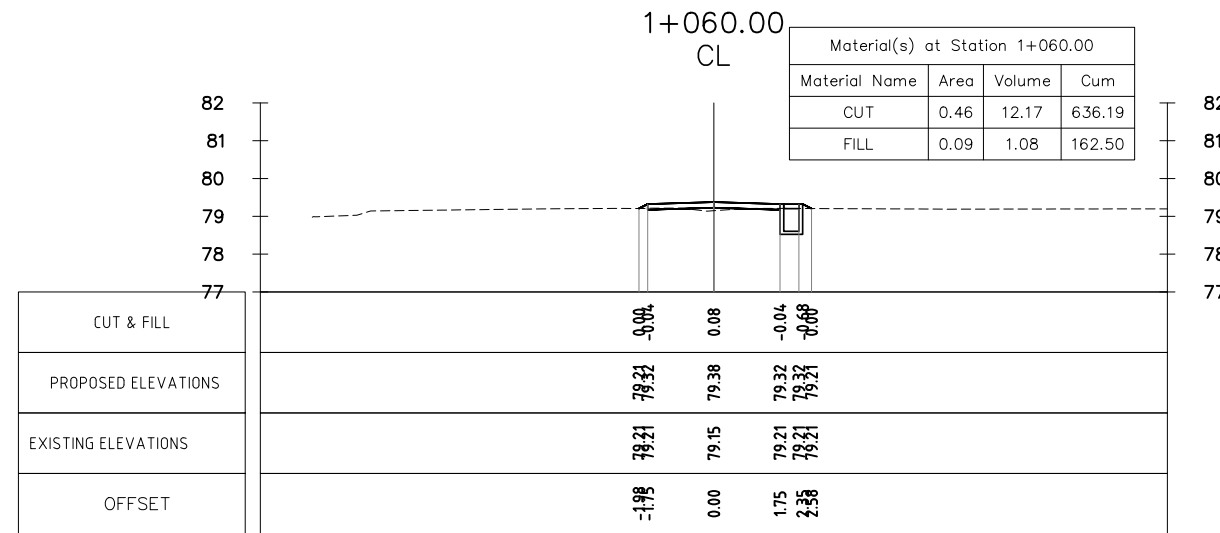
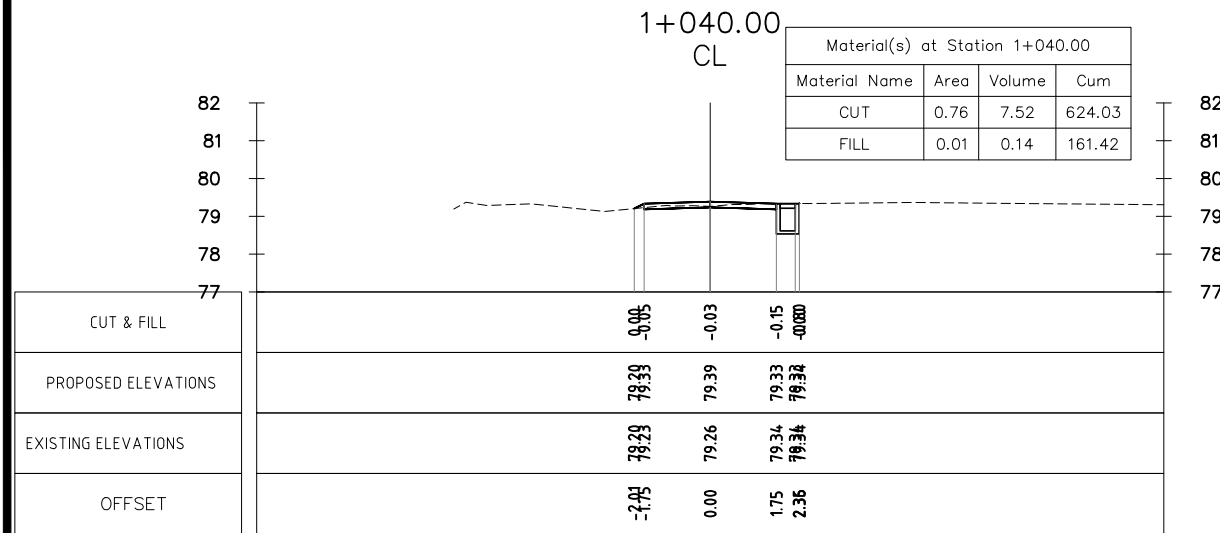


LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 0+840-0+940			
SCALE IN A3:	DATE :	DRAWING No. :	C-100
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

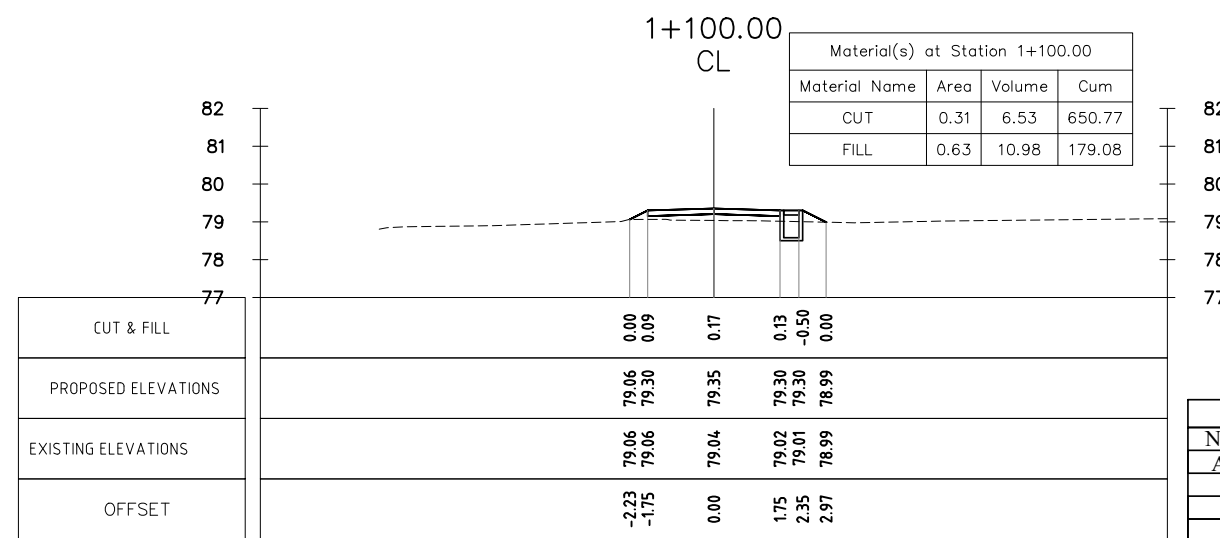
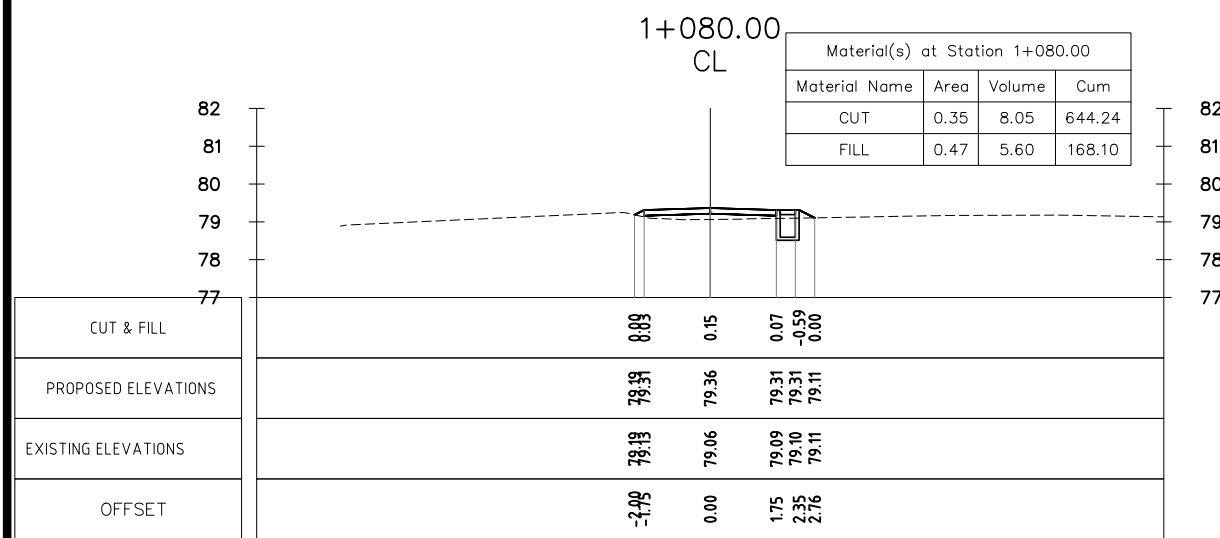
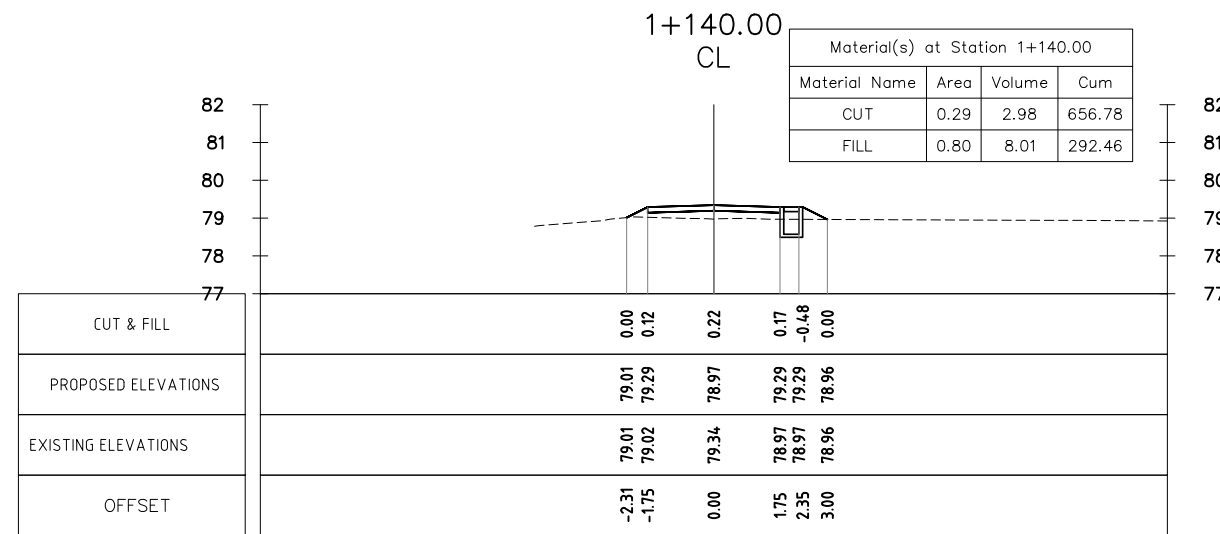
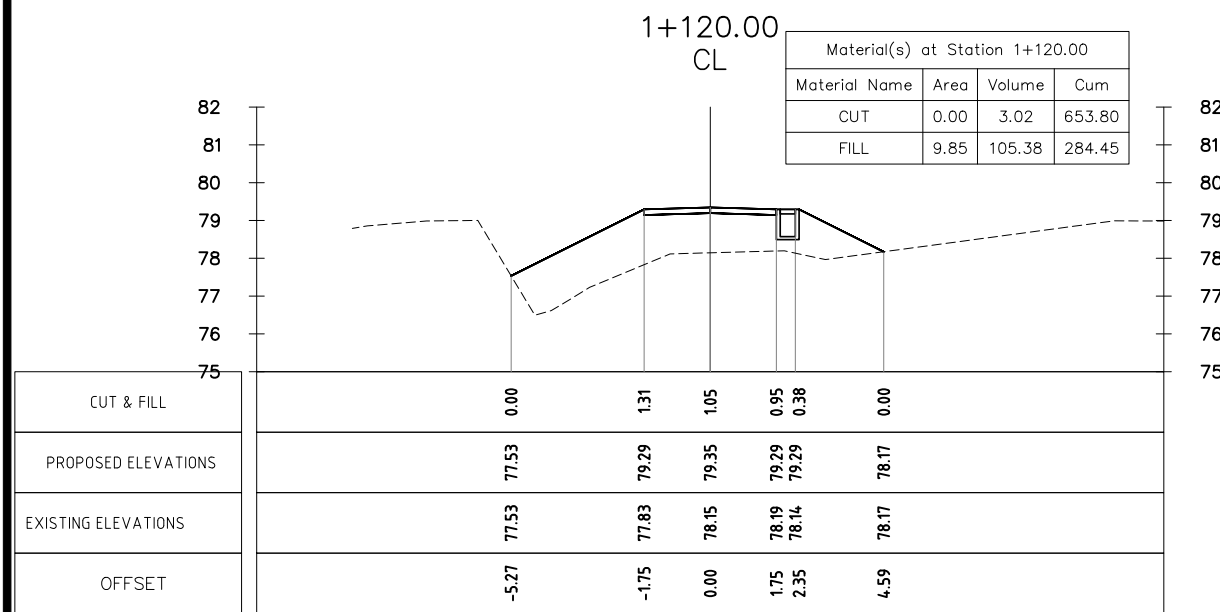
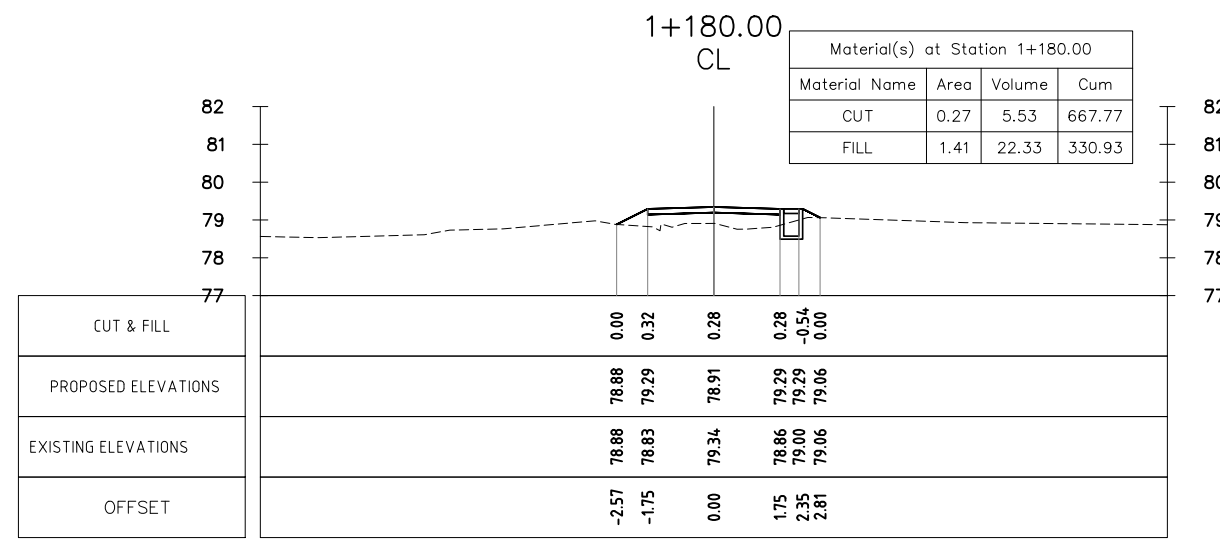
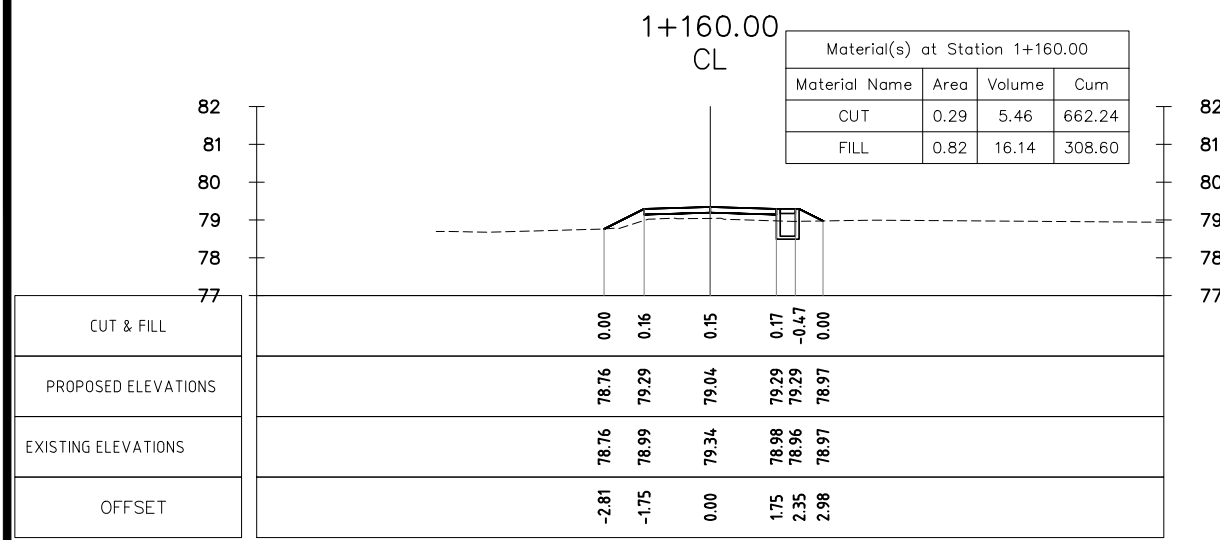


LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 0+960-1+060			
SCALE IN A3:	DATE :	DRAWING No. :	C-101
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

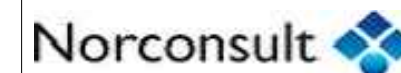
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Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR



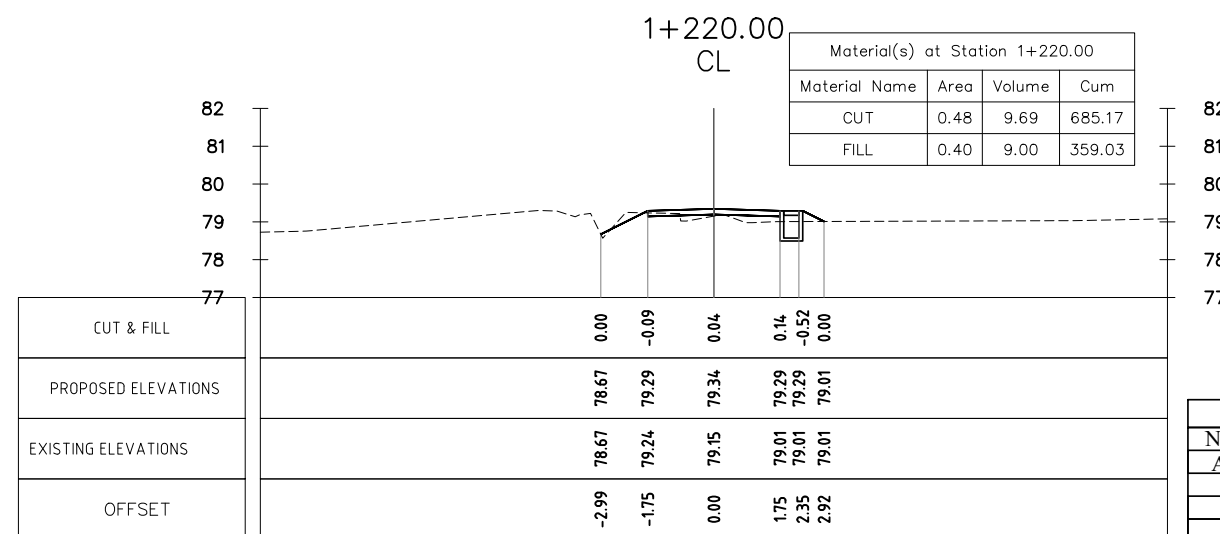
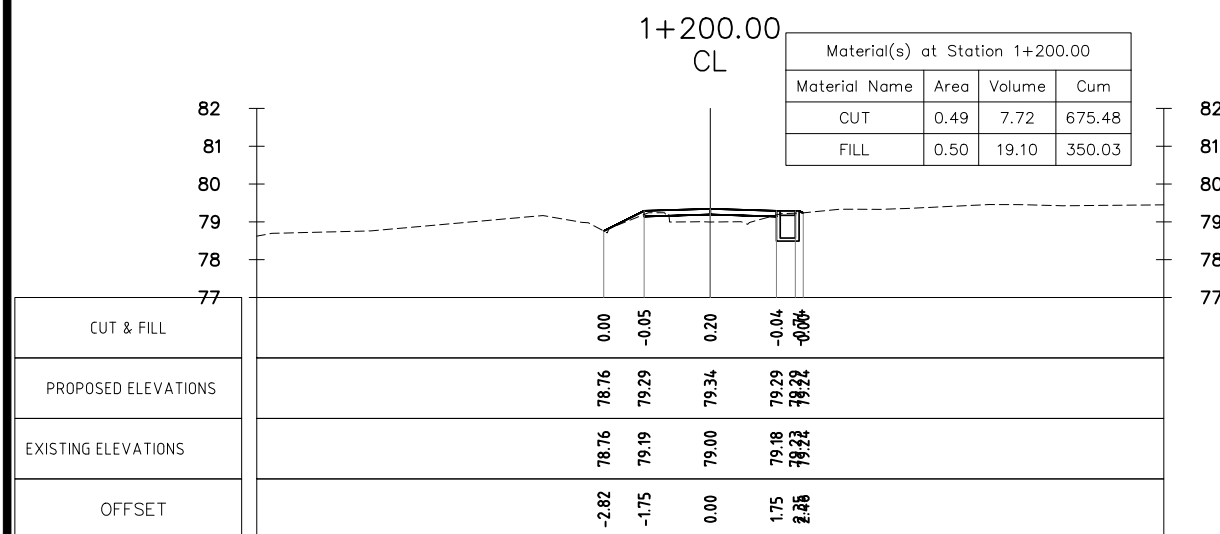
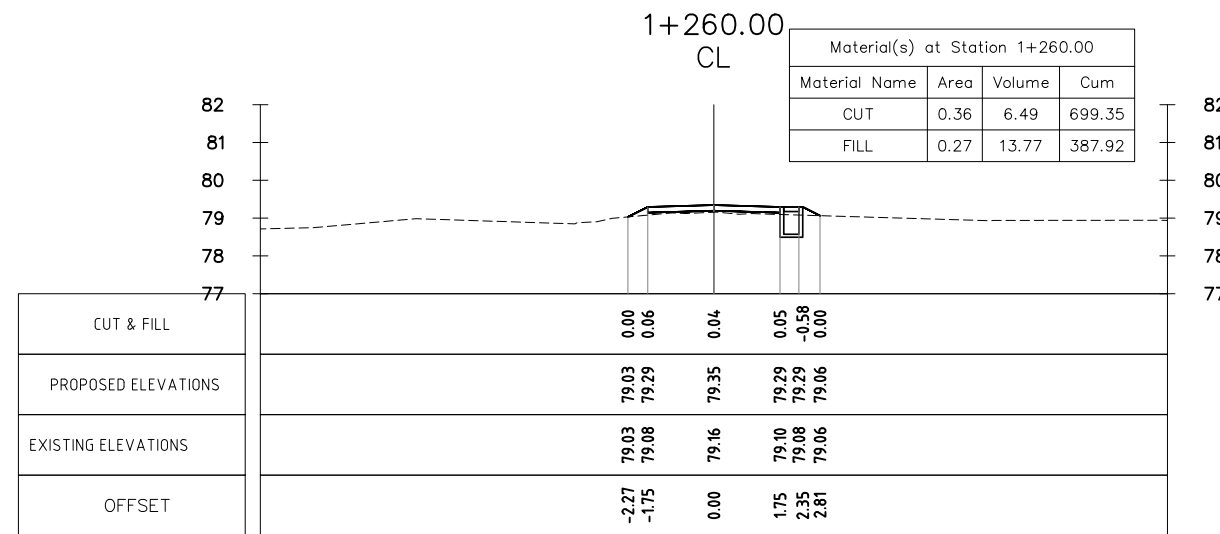
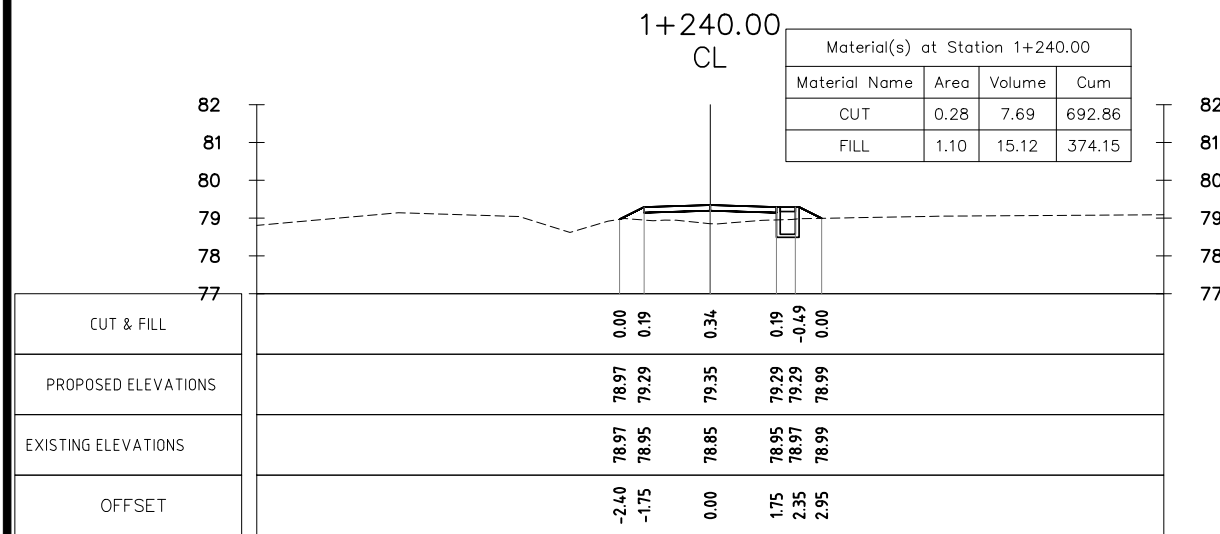
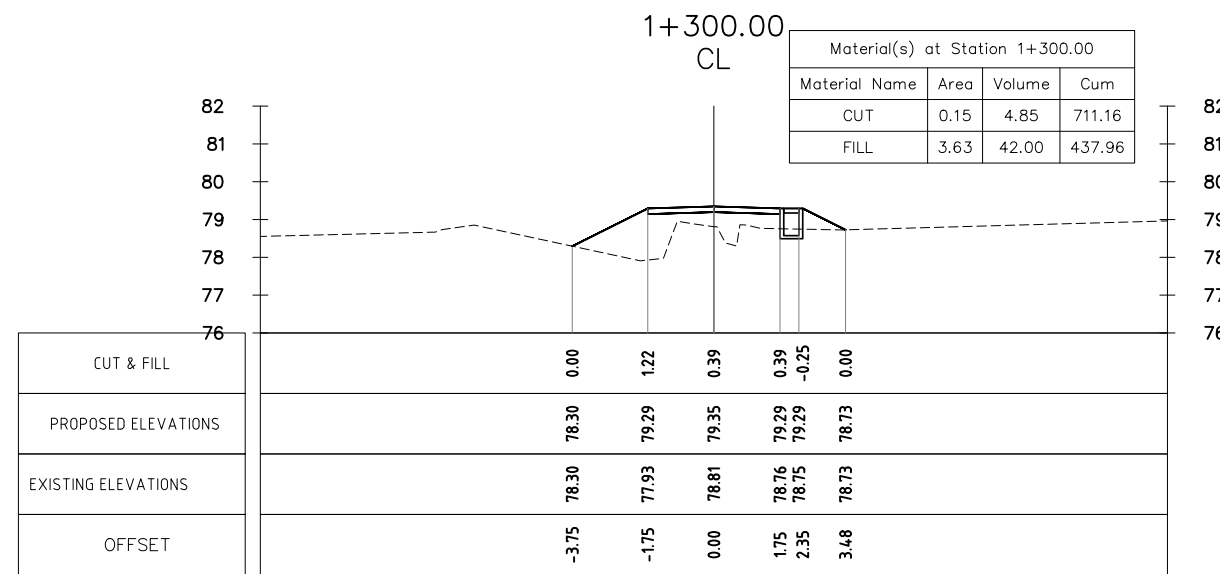
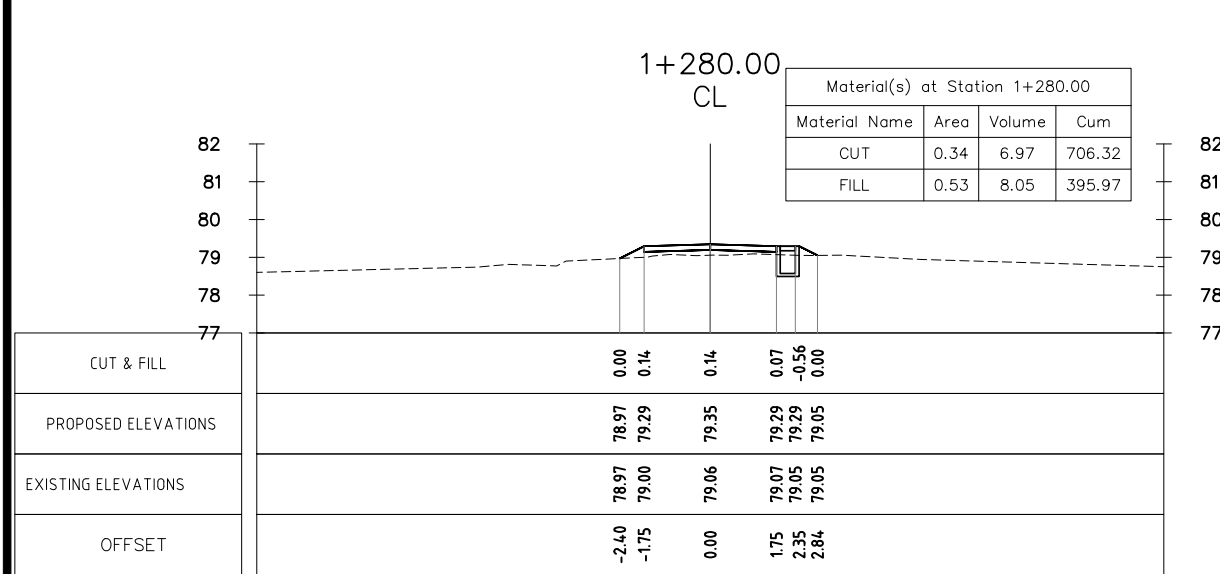
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 1+080-1+180

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-102
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

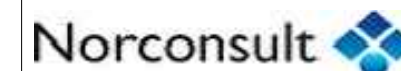
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 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



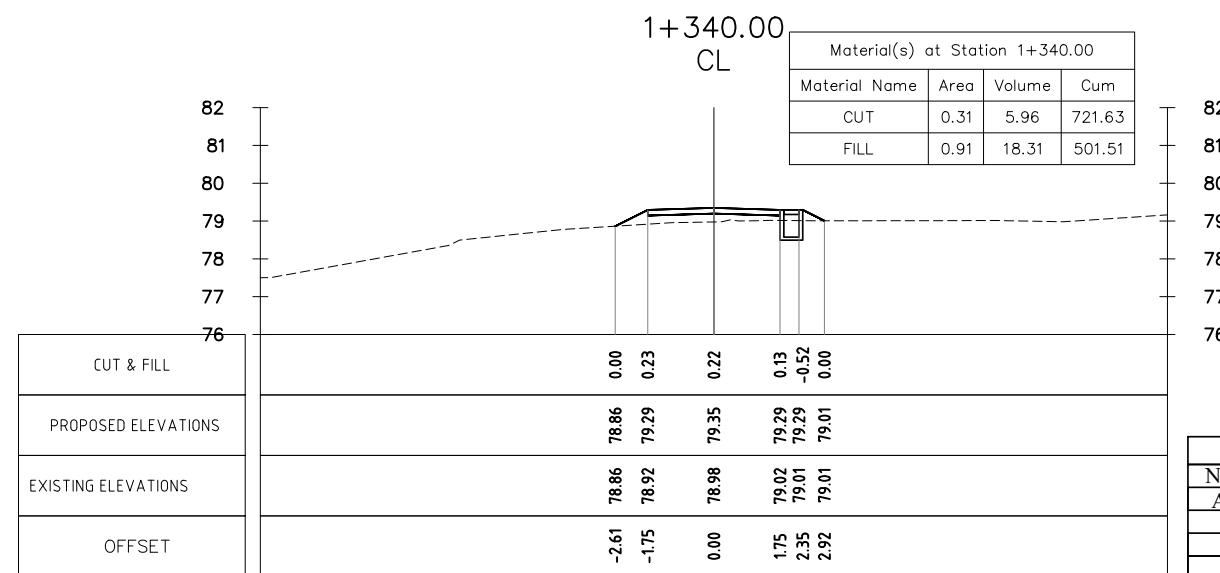
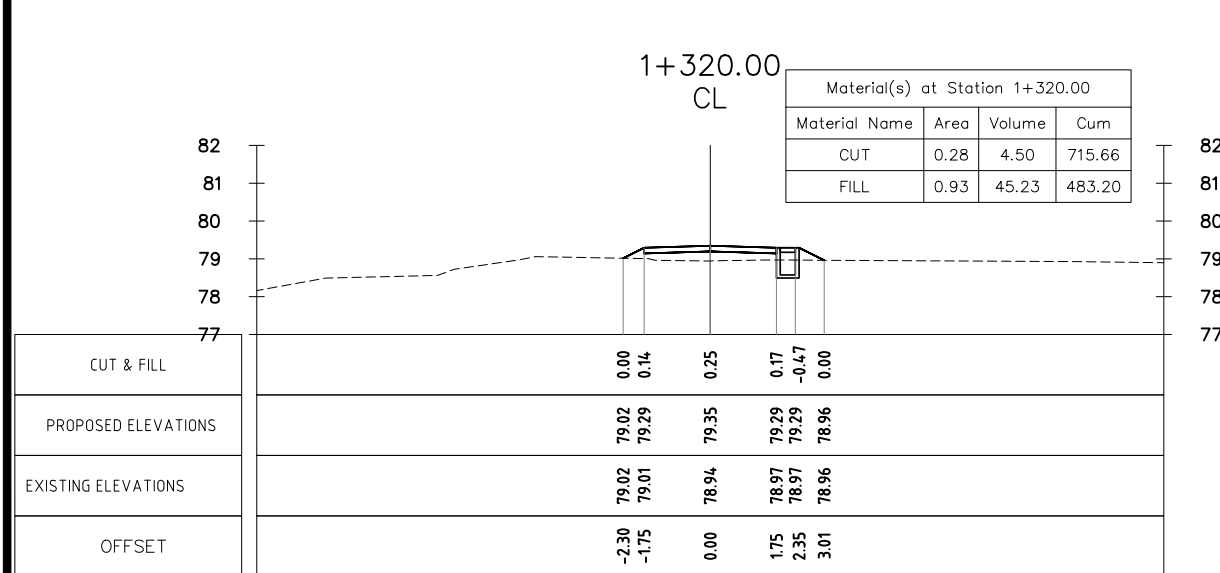
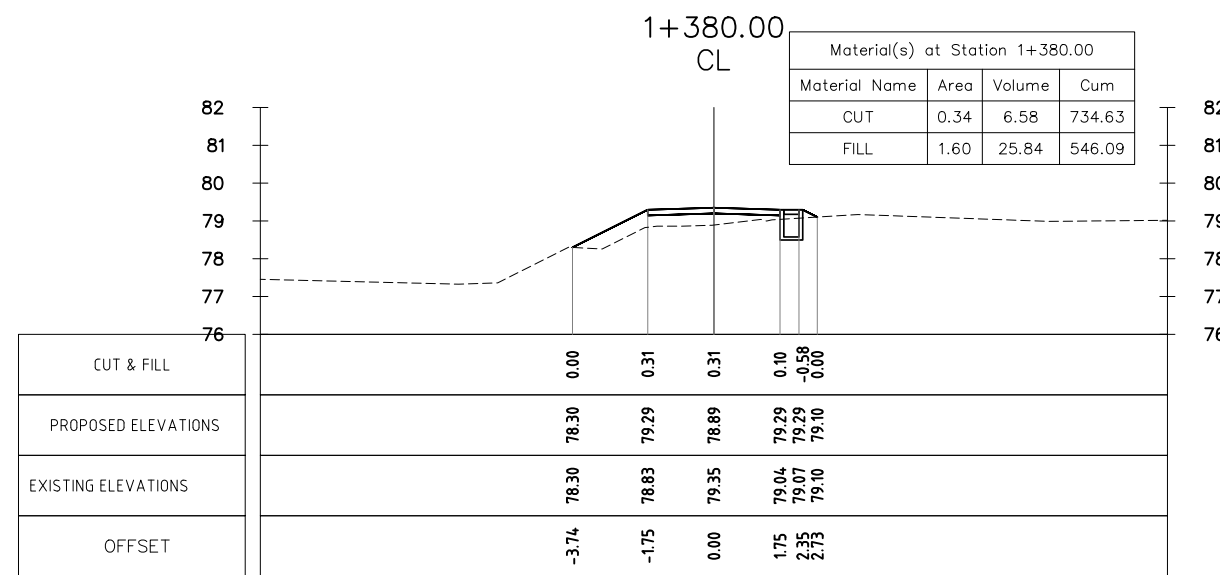
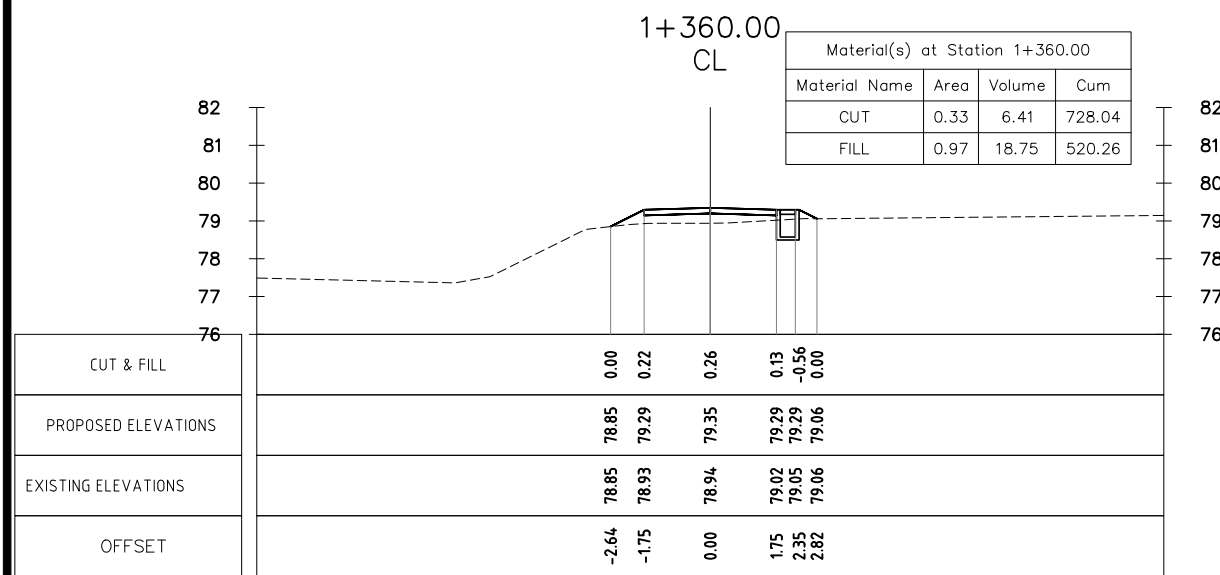
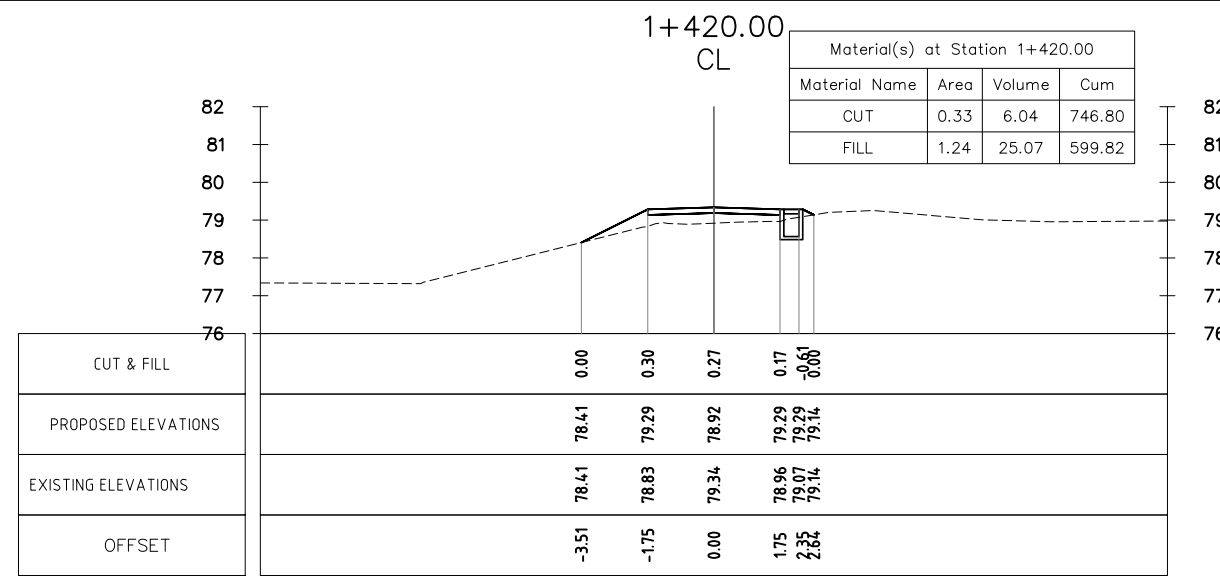
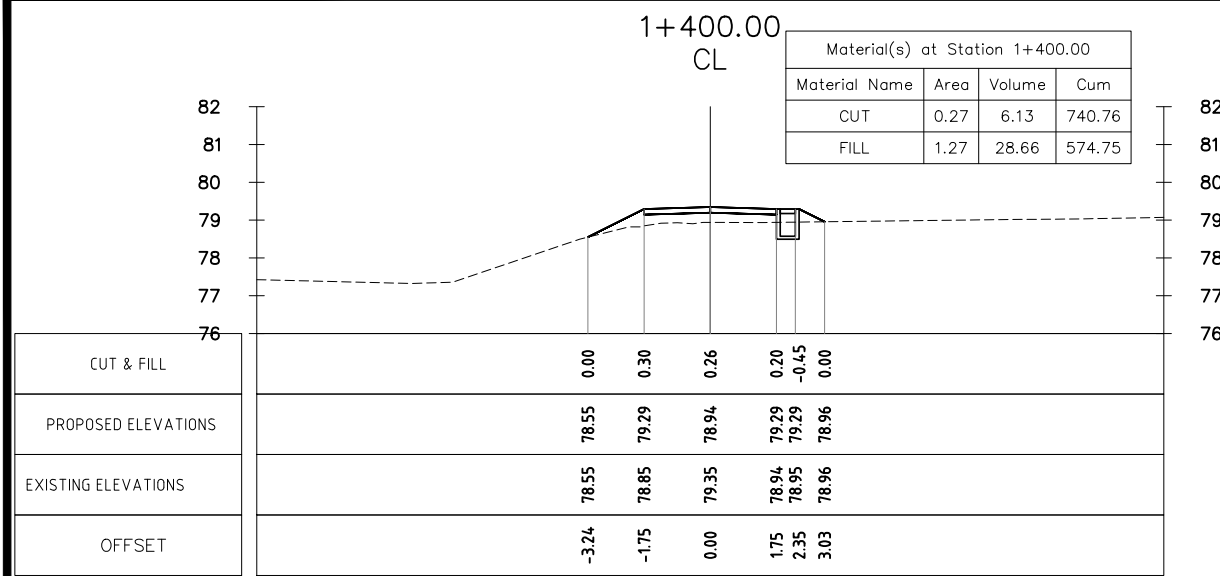
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 1+200-1+300

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-103
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

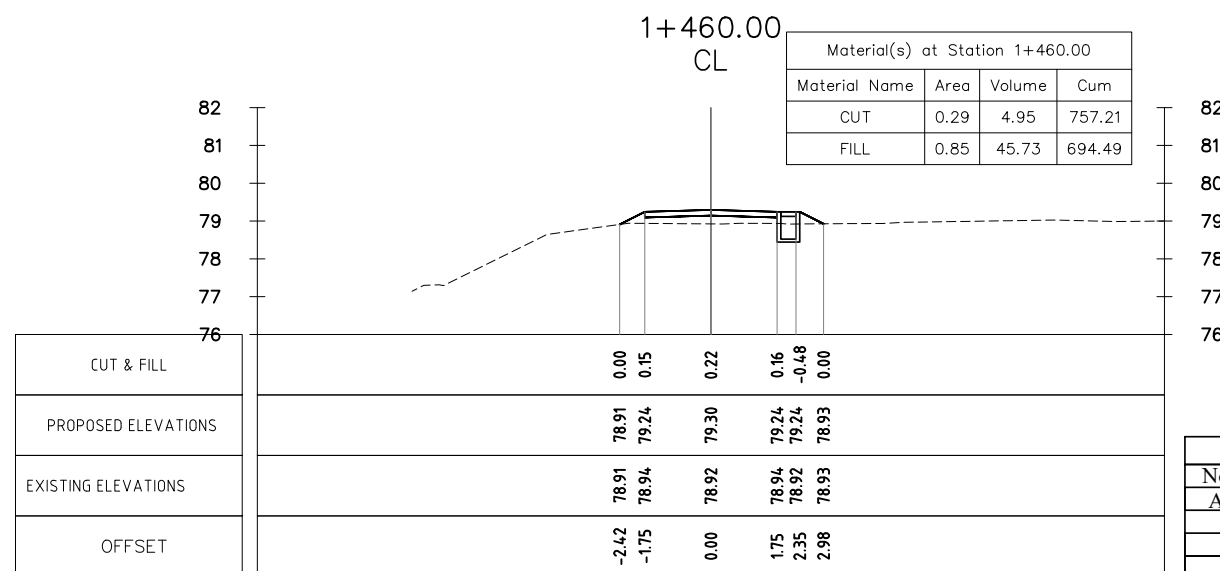
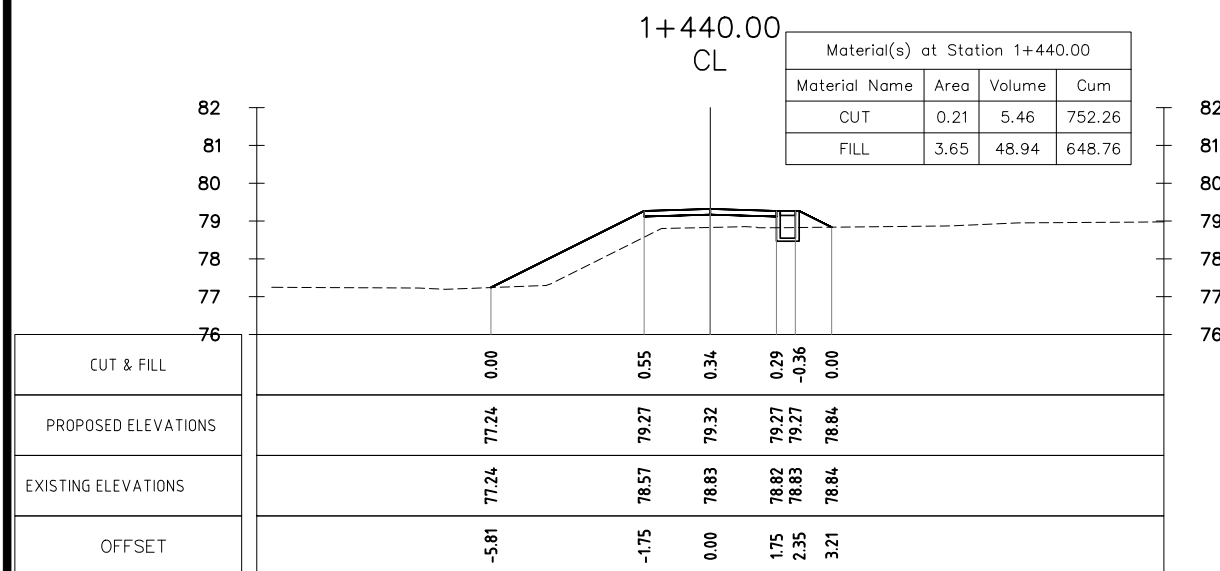
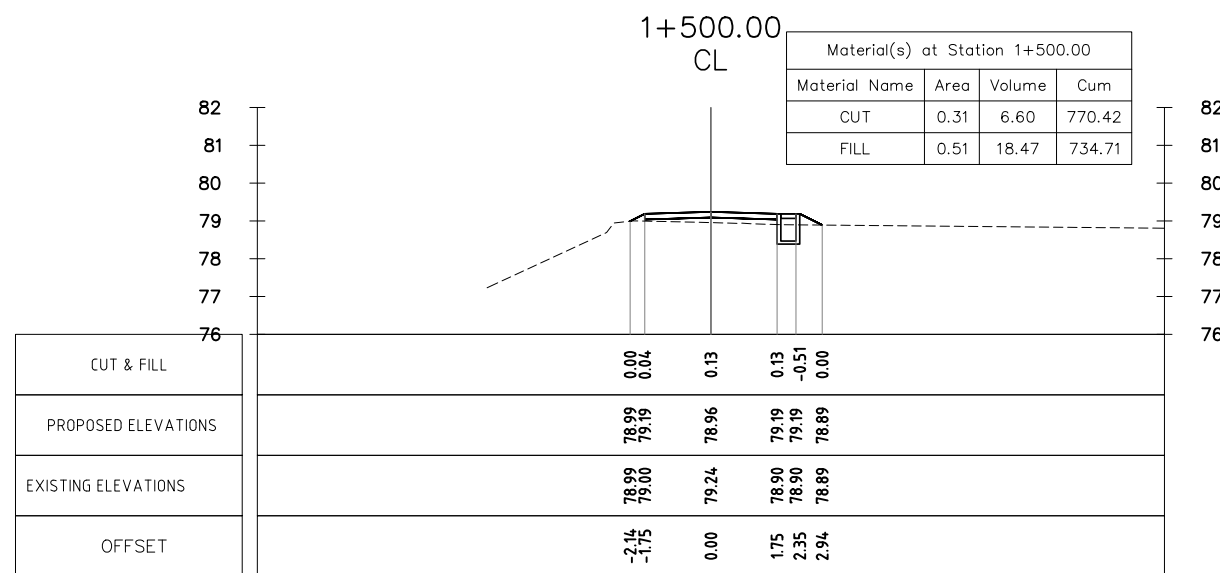
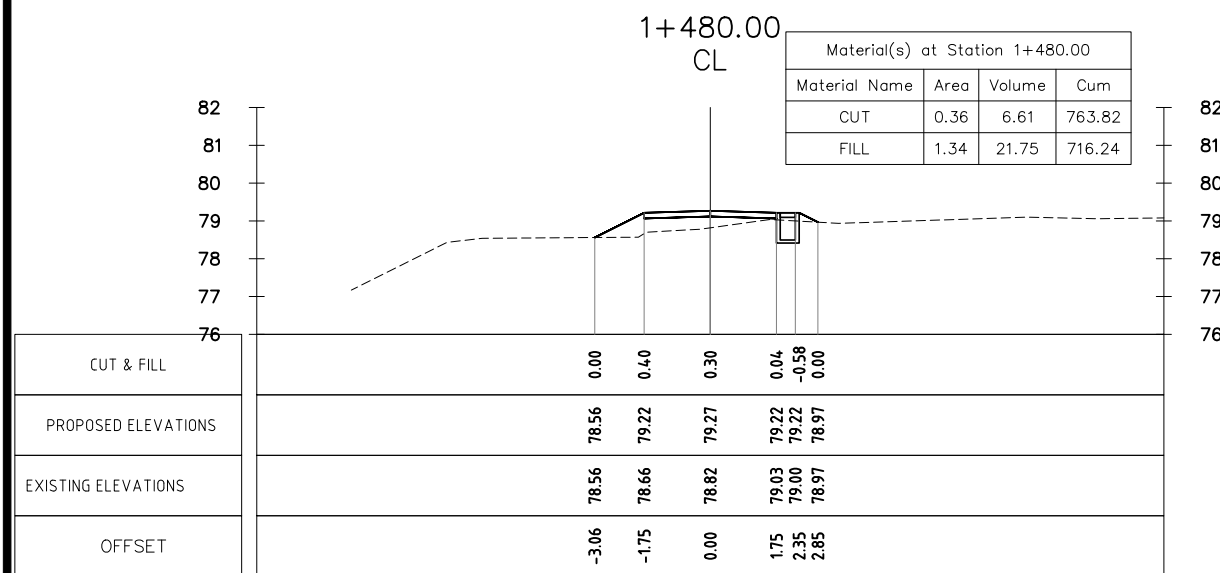
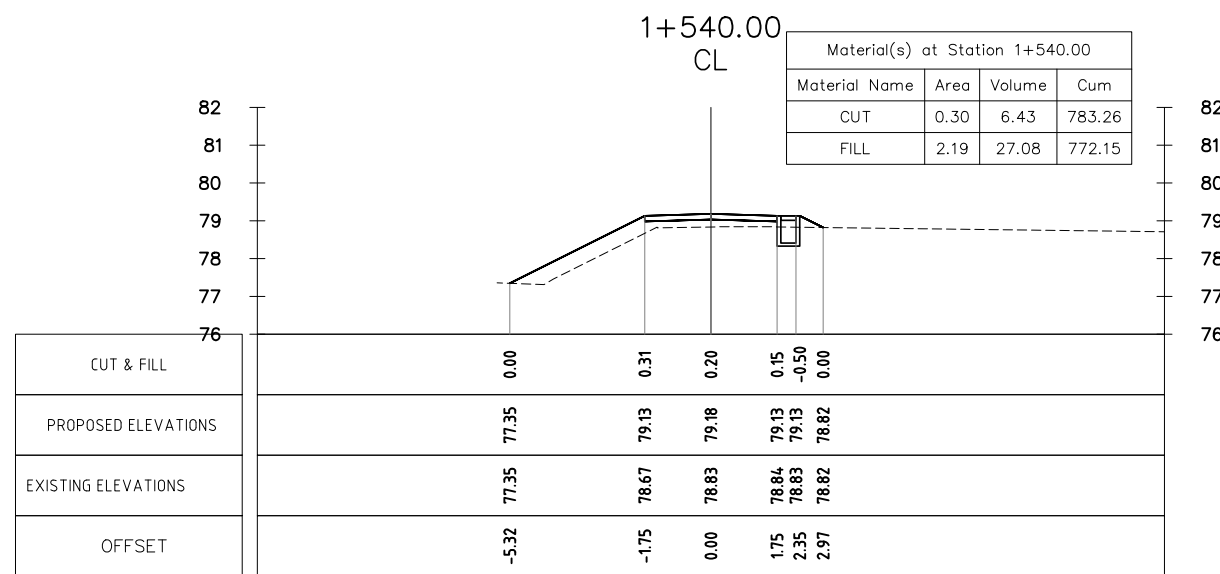
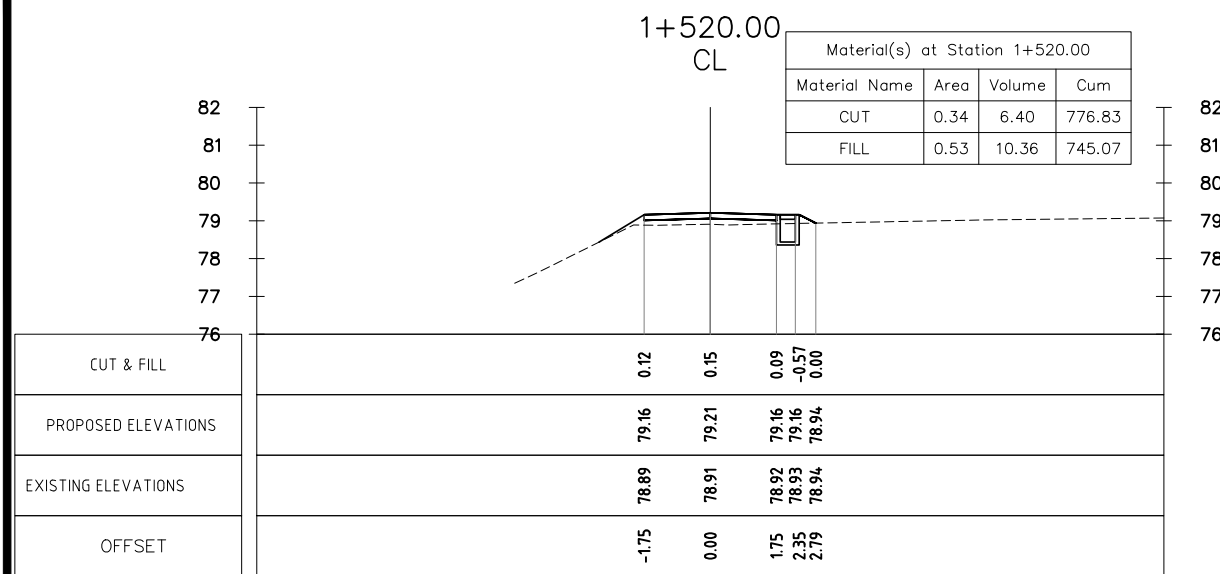


PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(1RL03) CROSS - SECTION Sta:km 1+320-1+420

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-104
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18





Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

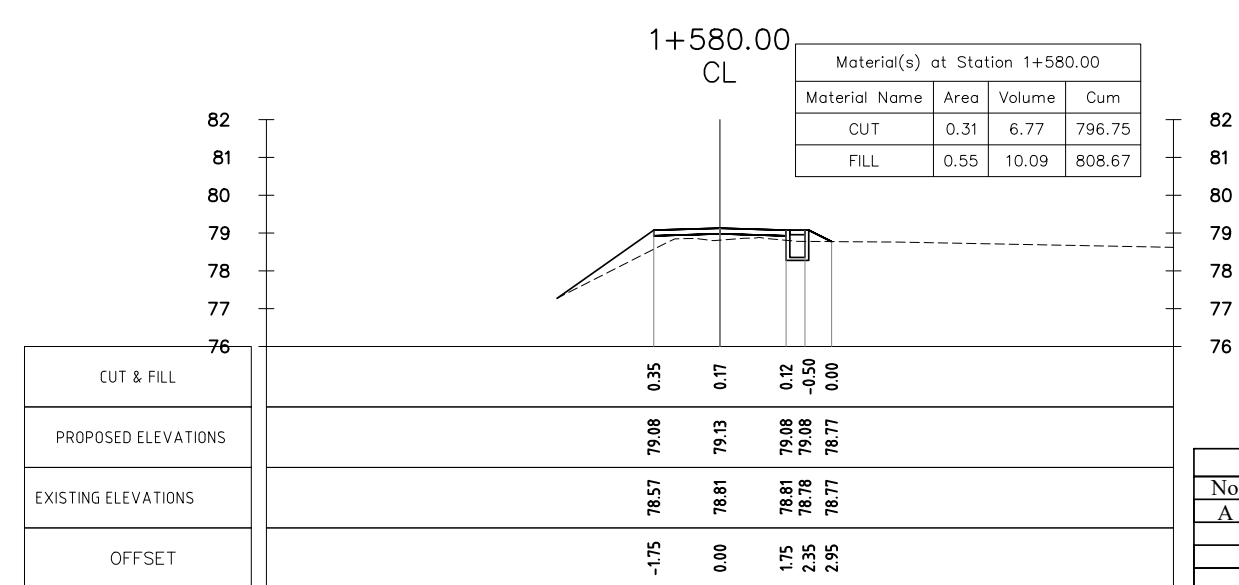
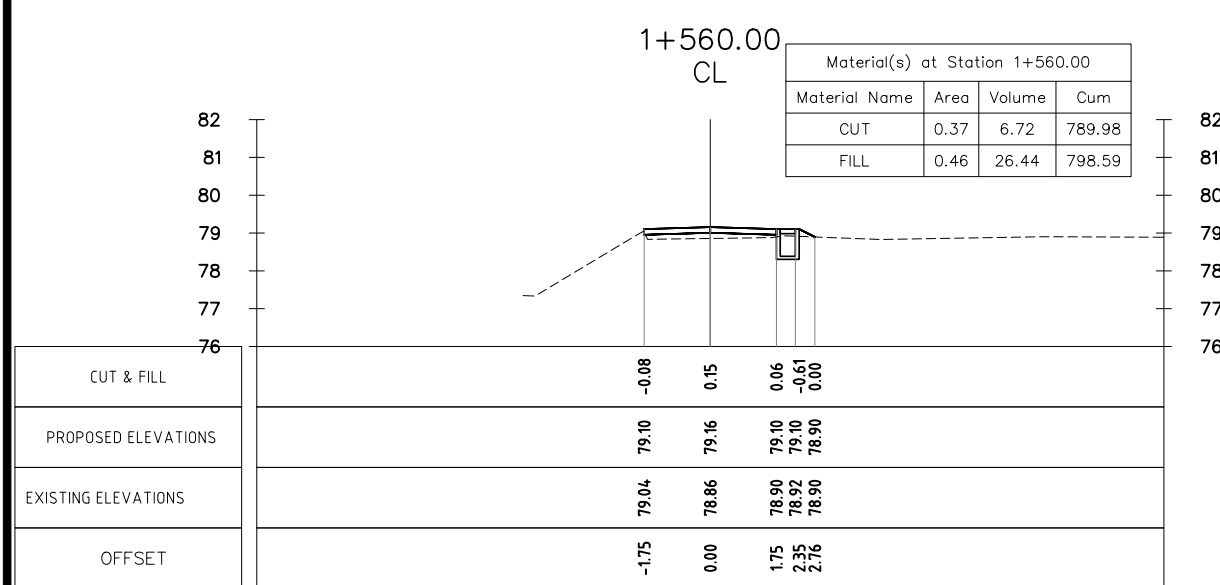
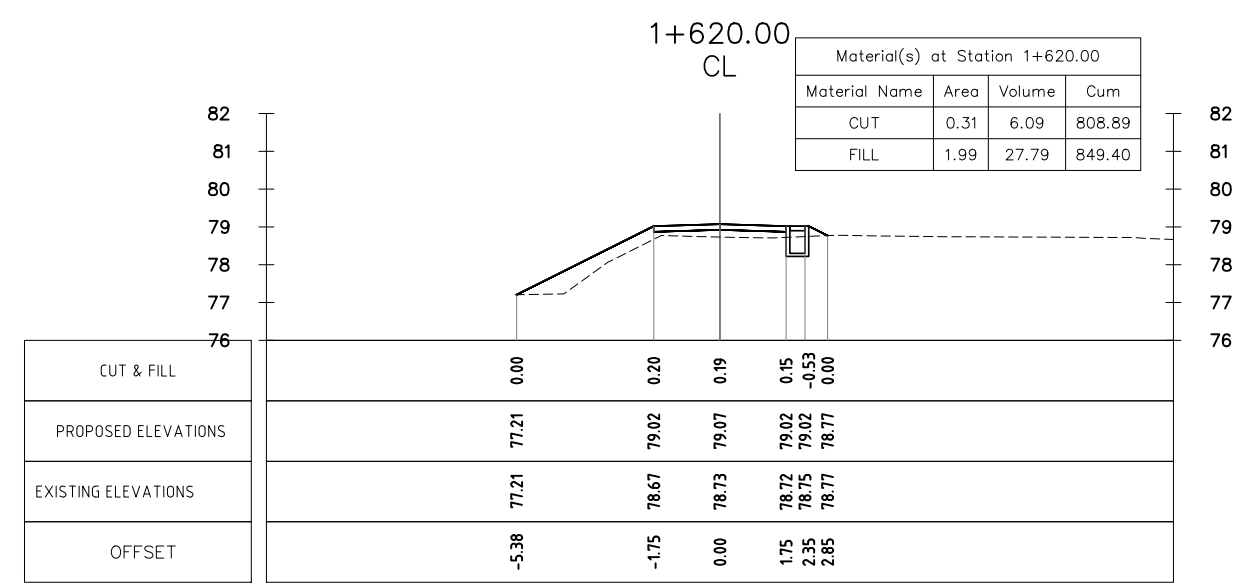
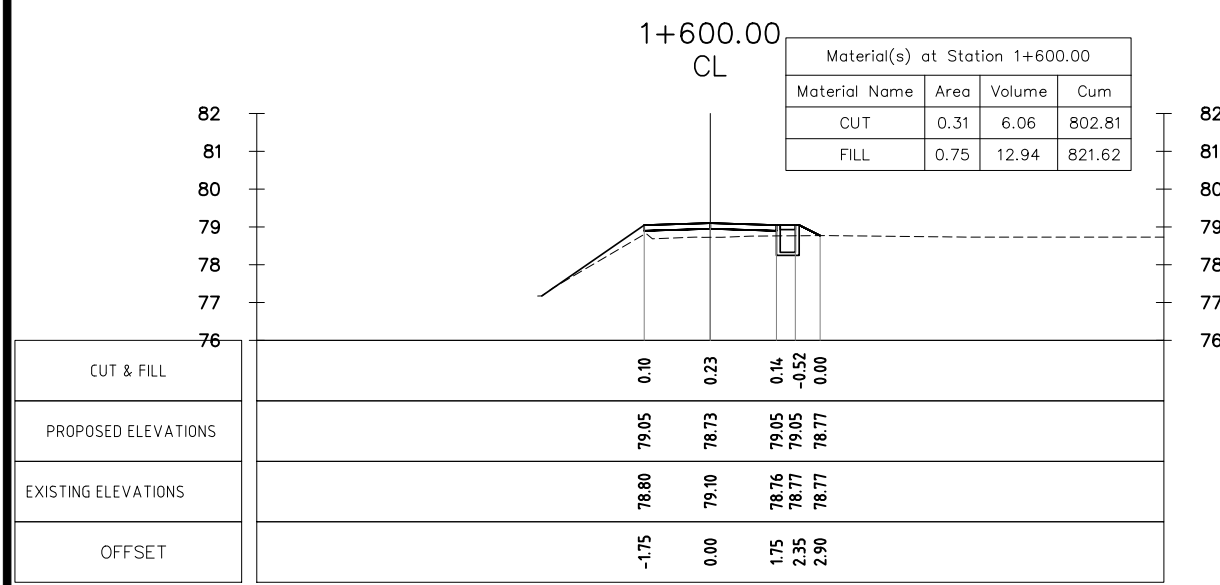
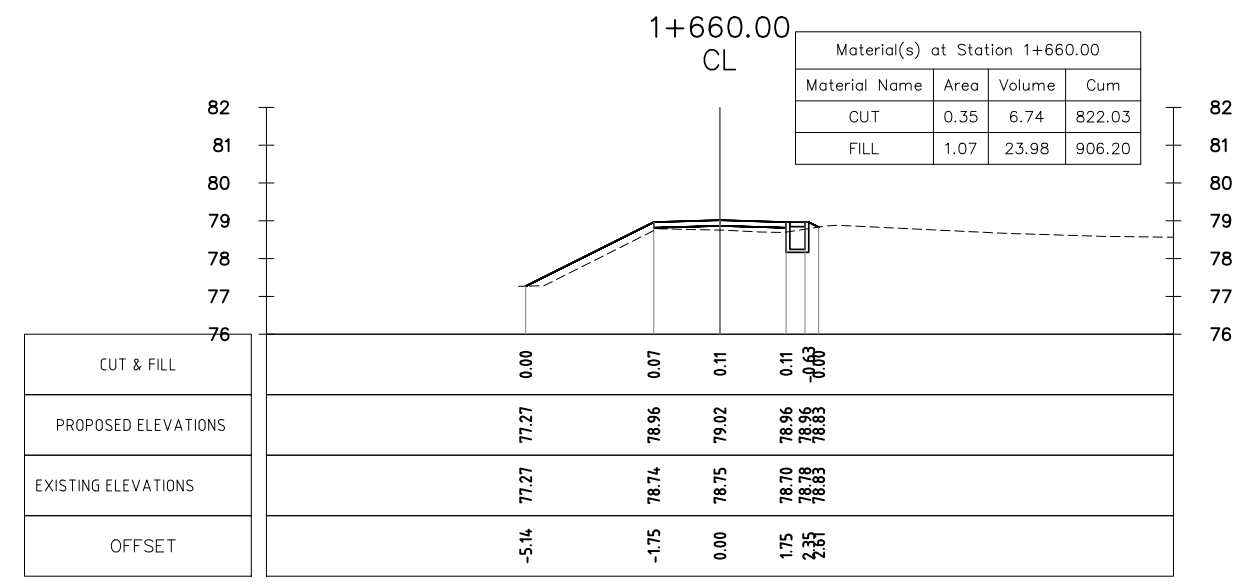
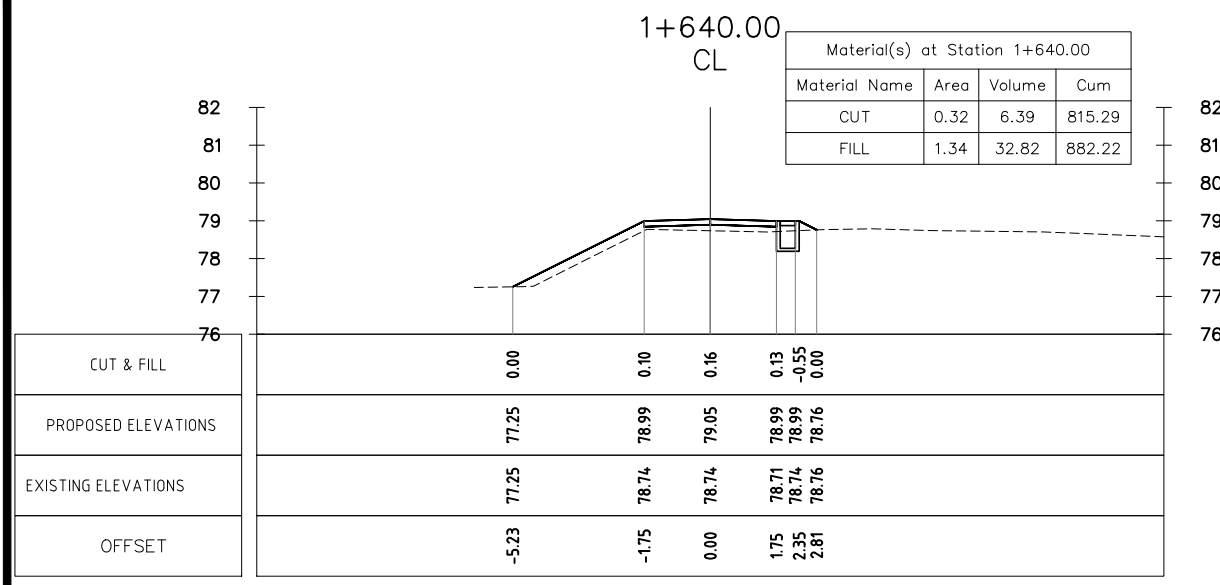
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 1+440-1+540

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-105
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

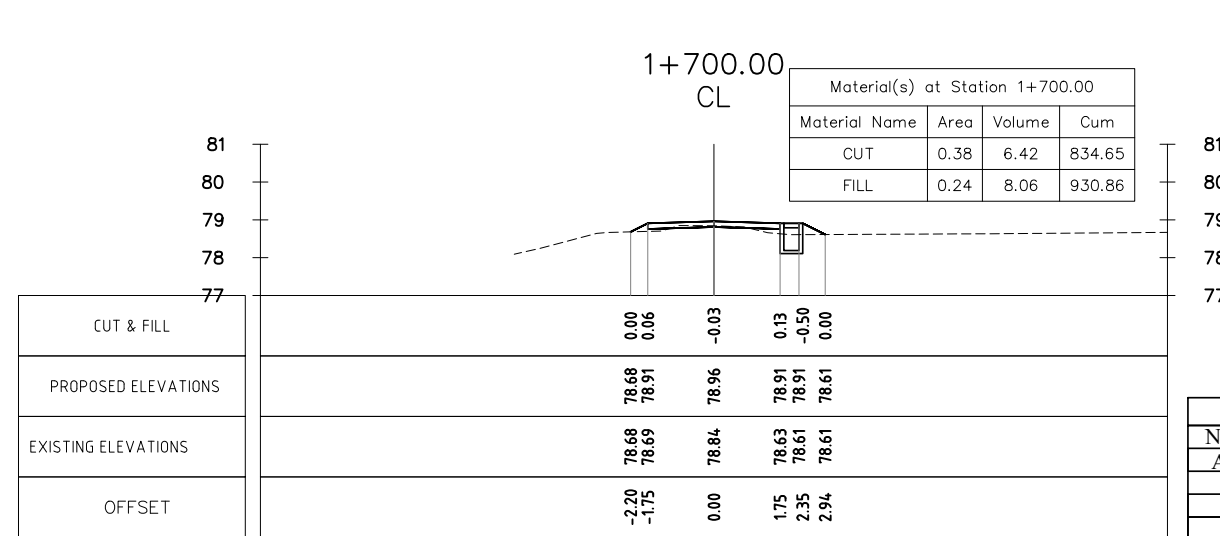
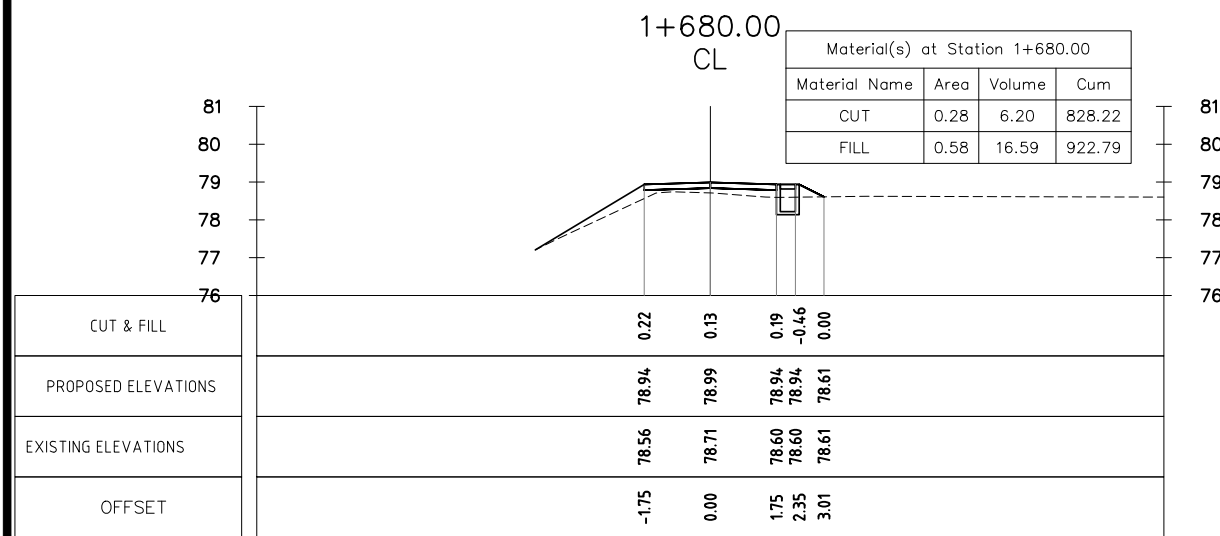
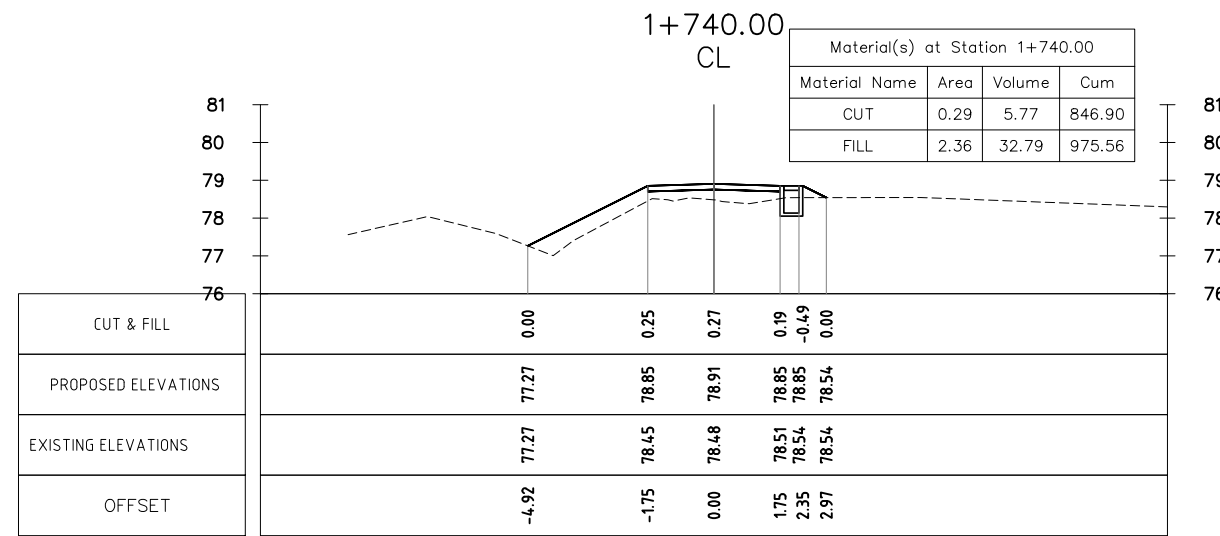
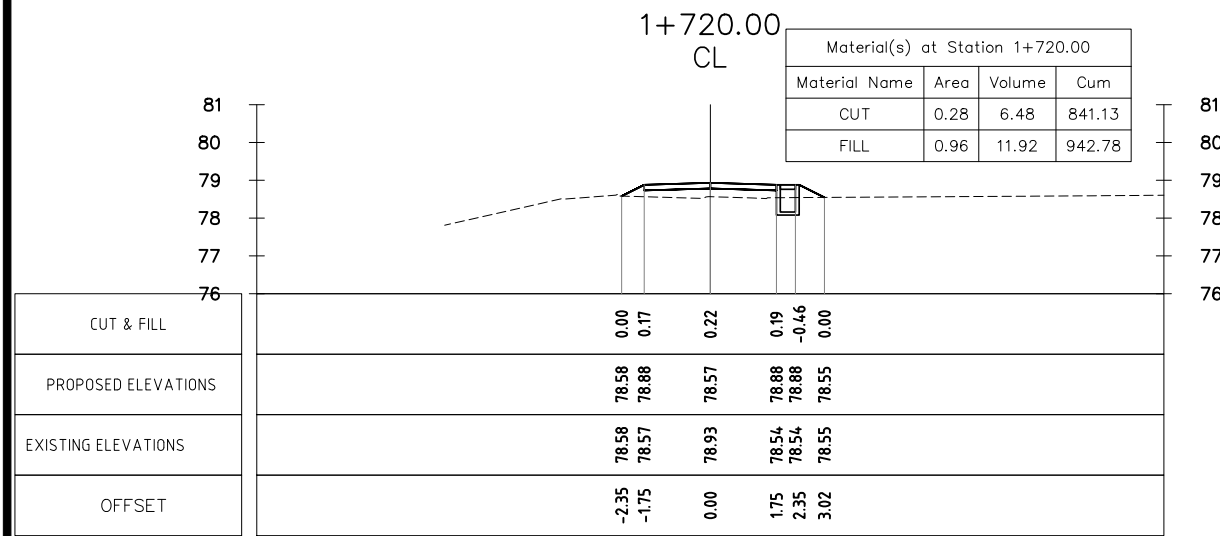
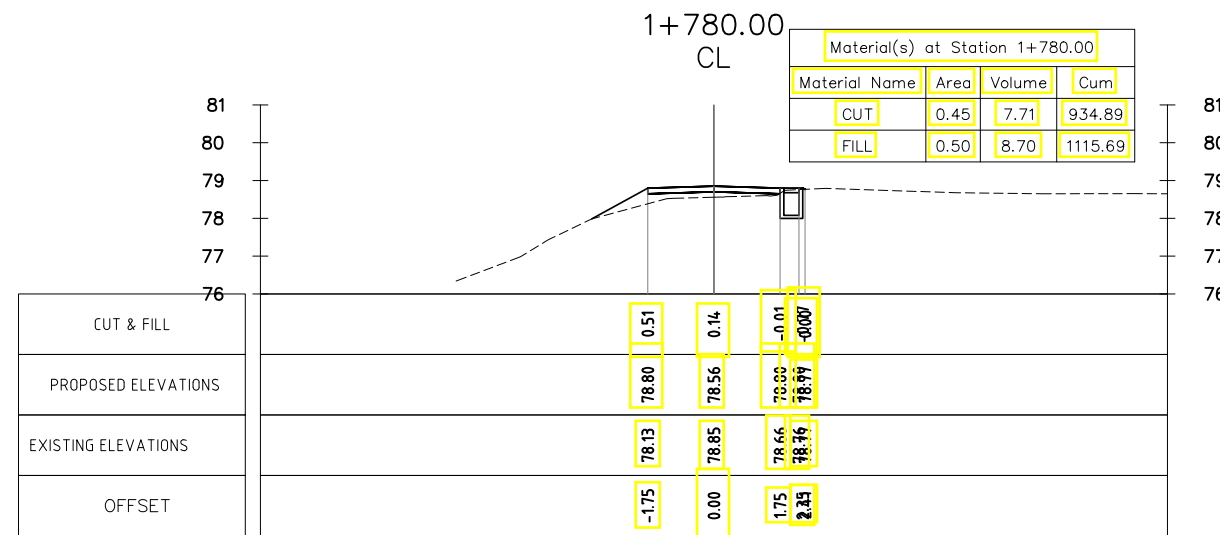
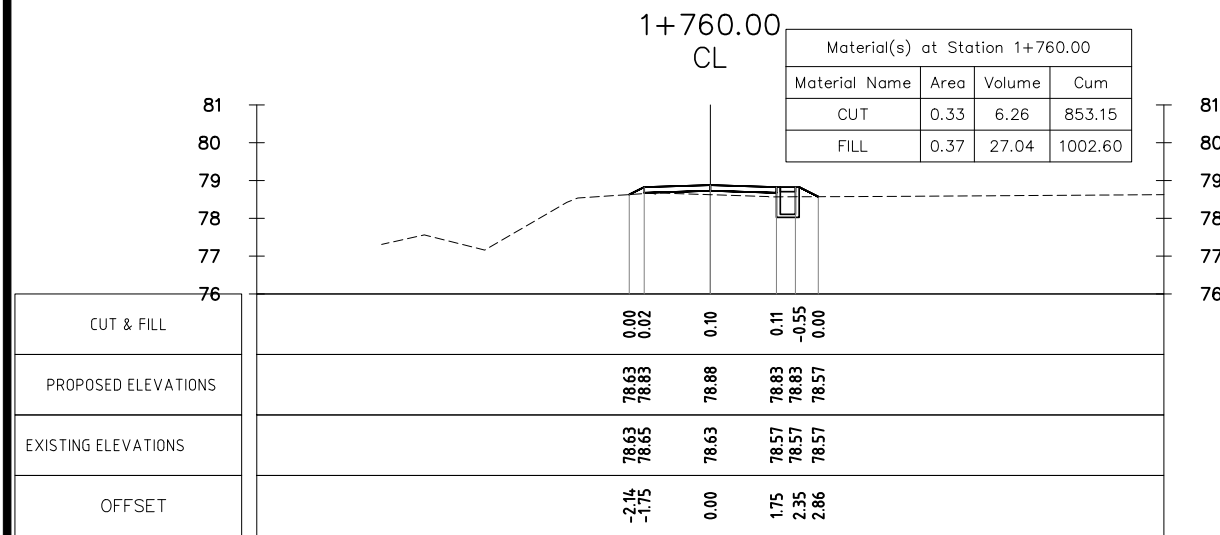
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 1+560-1+660

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-106
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



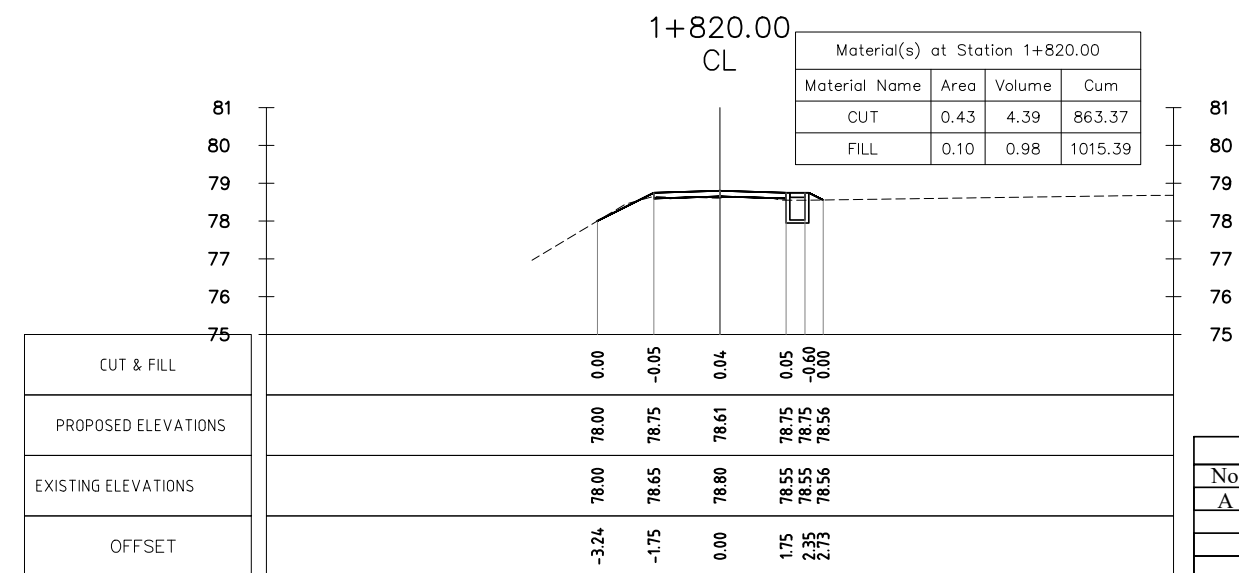
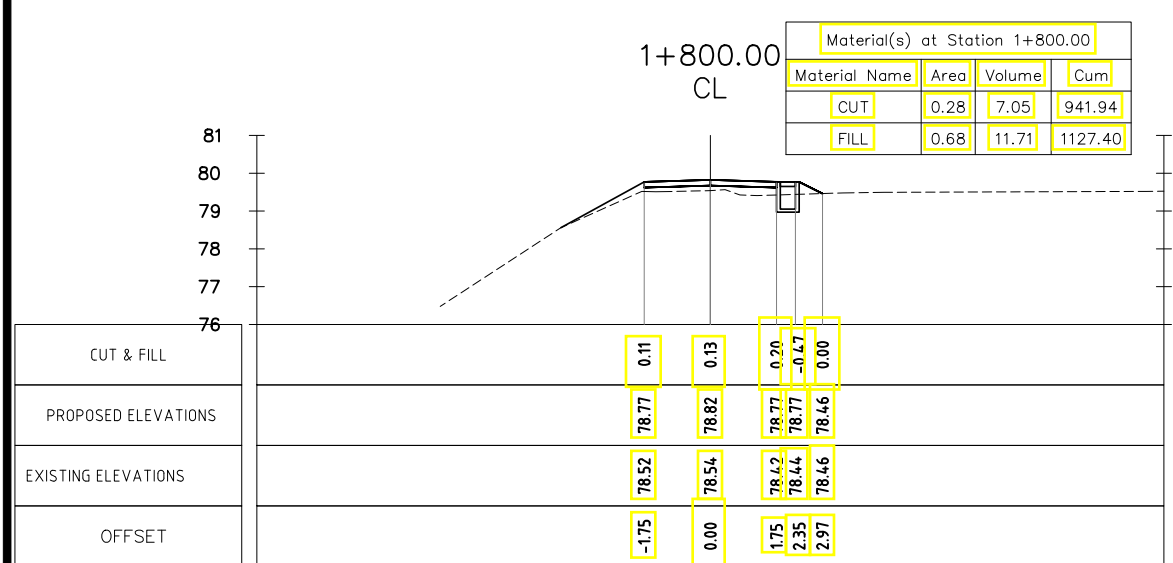
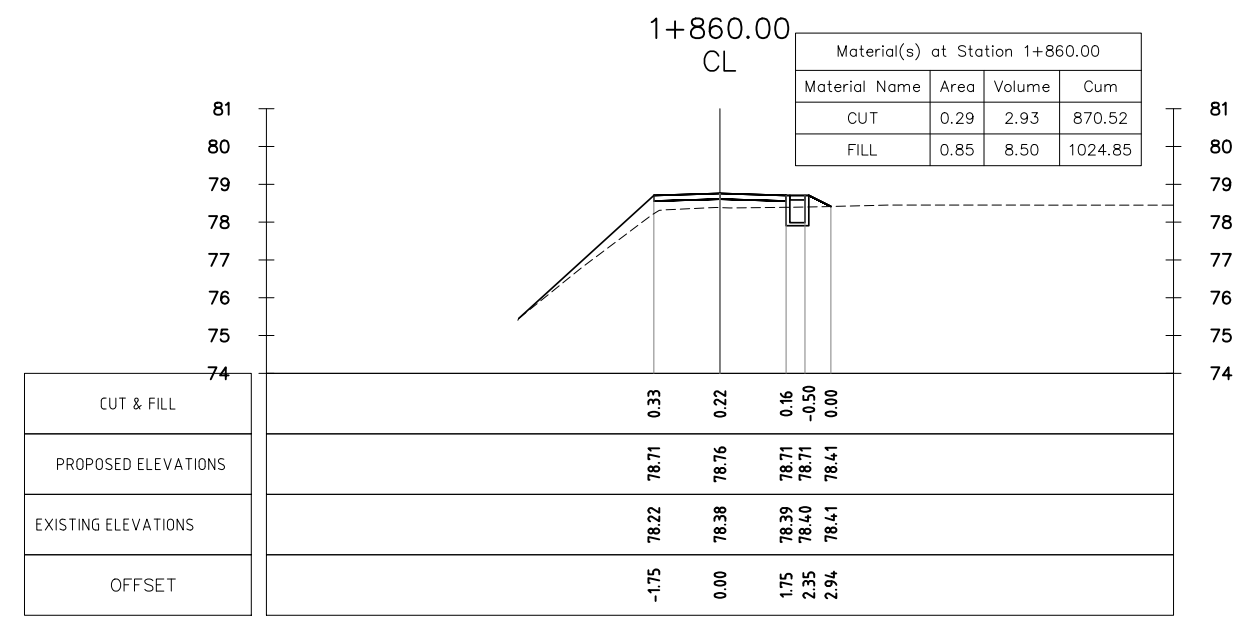
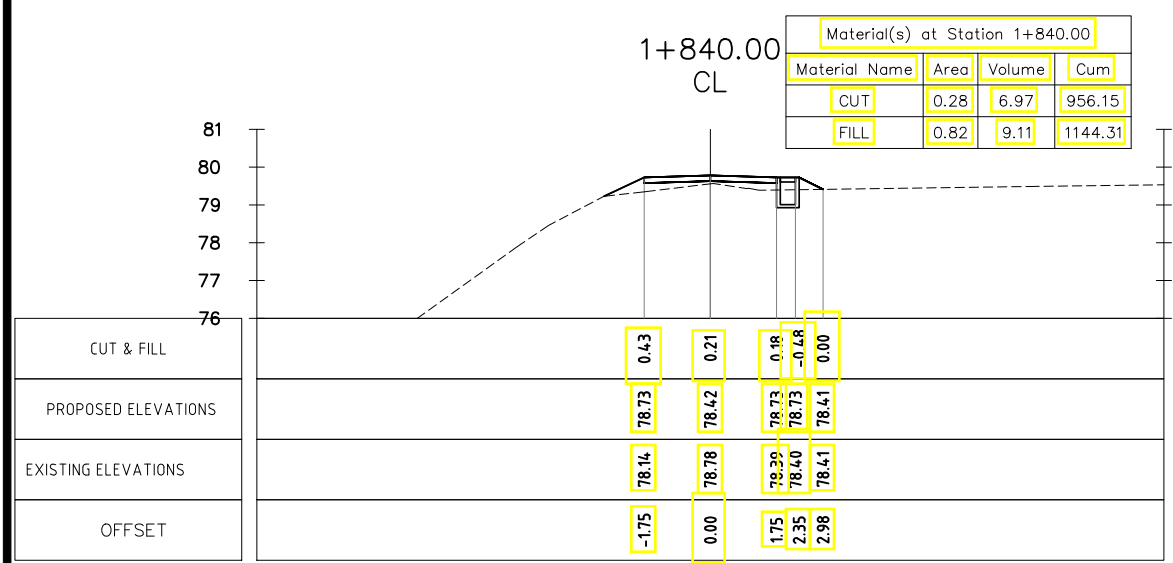
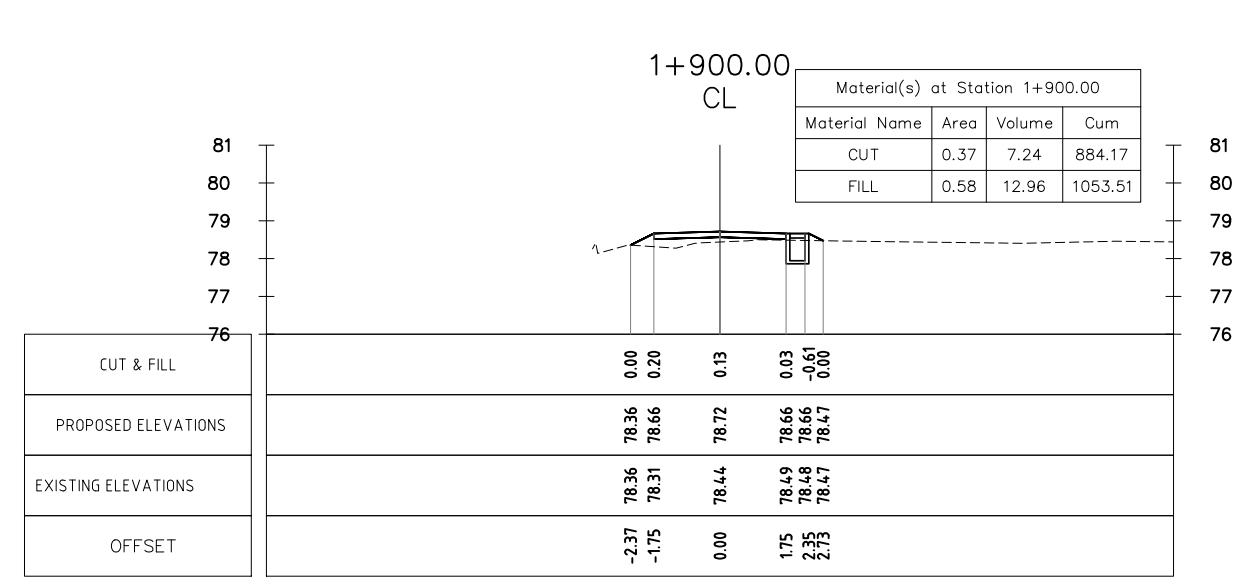
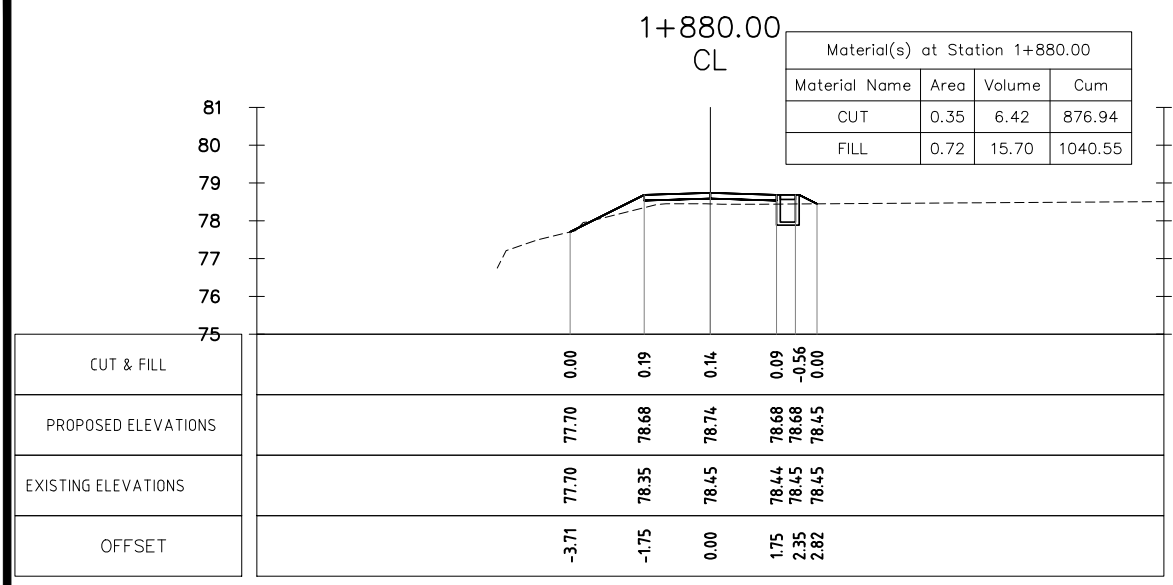
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 1+680-1+780

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-107
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

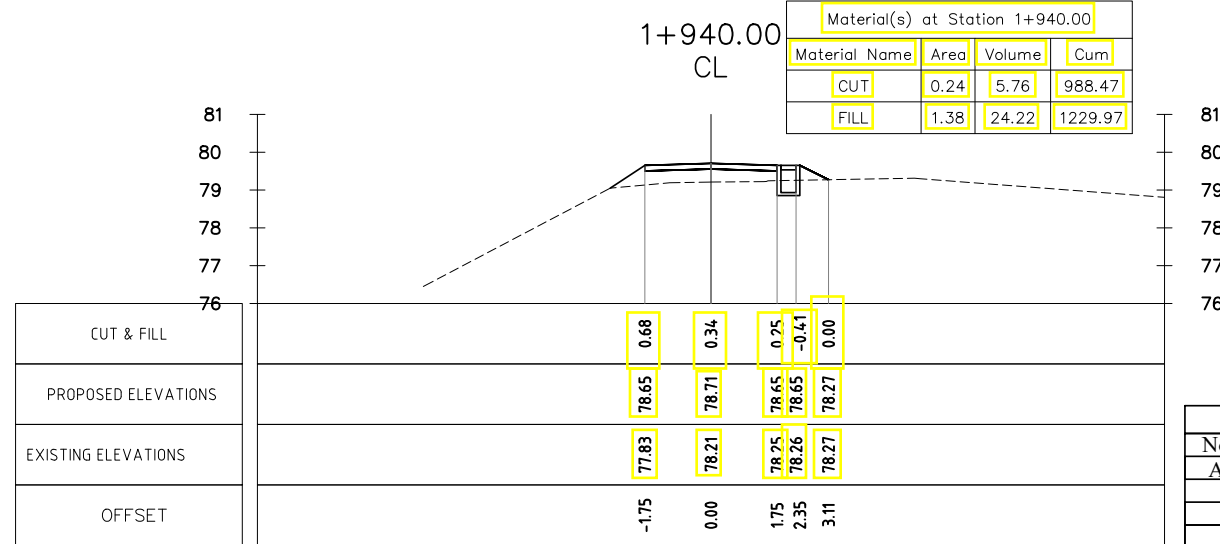
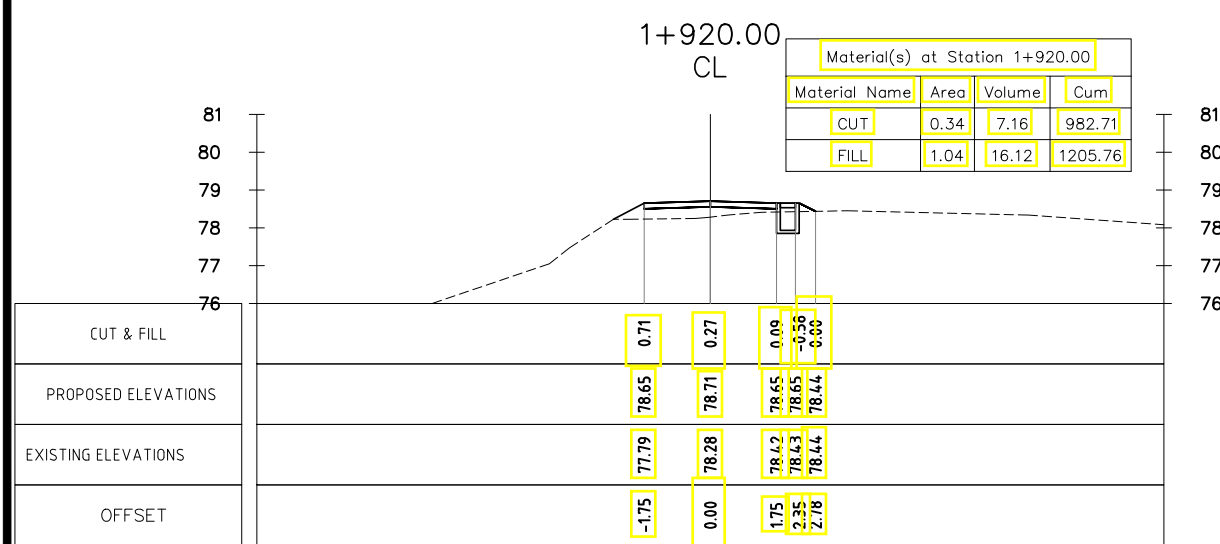
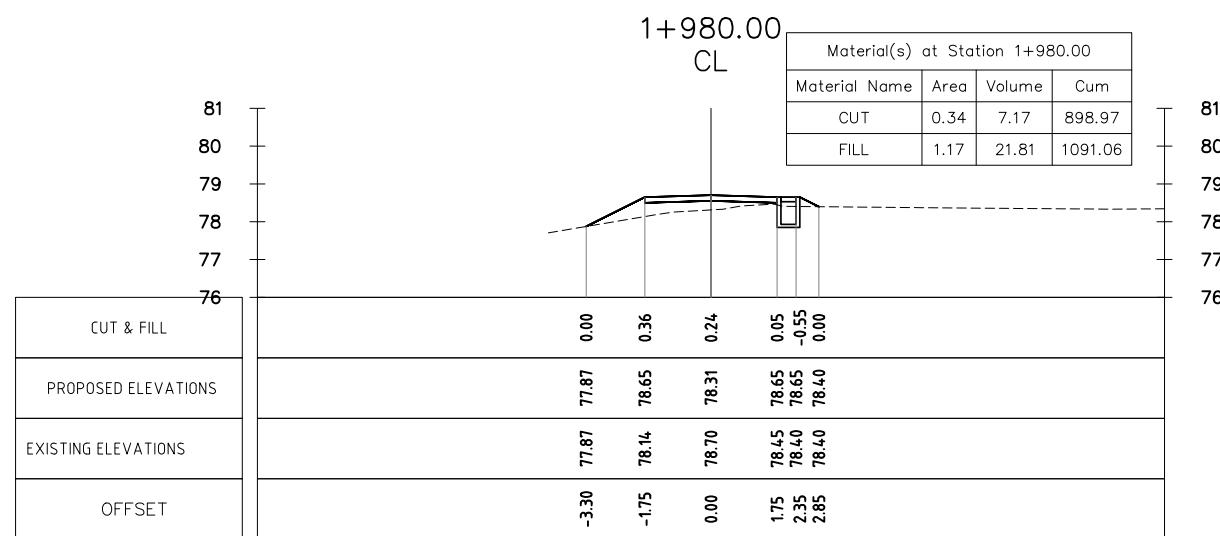
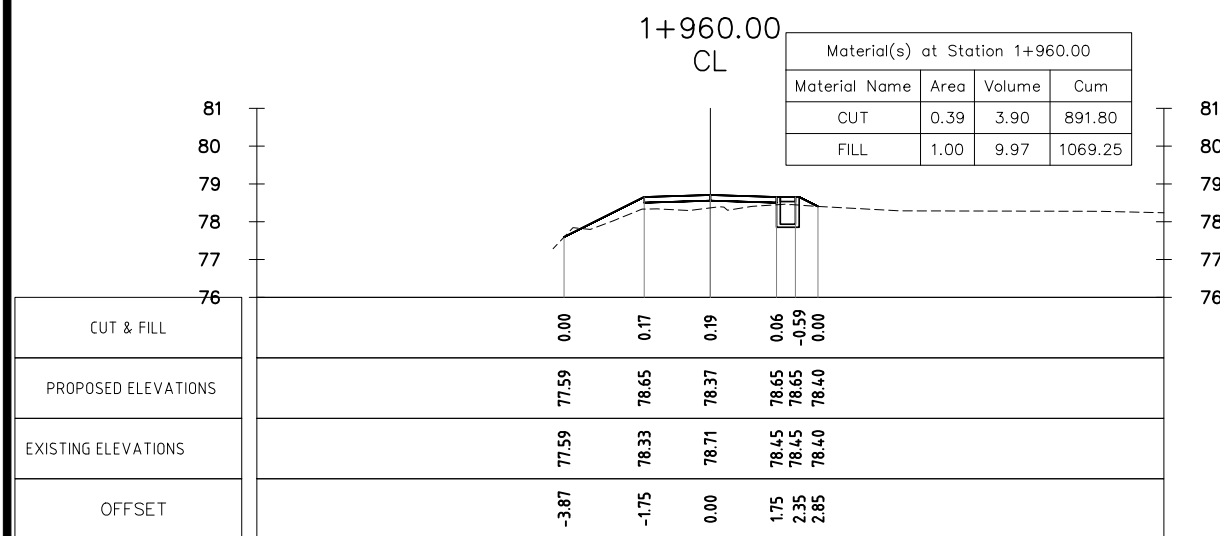
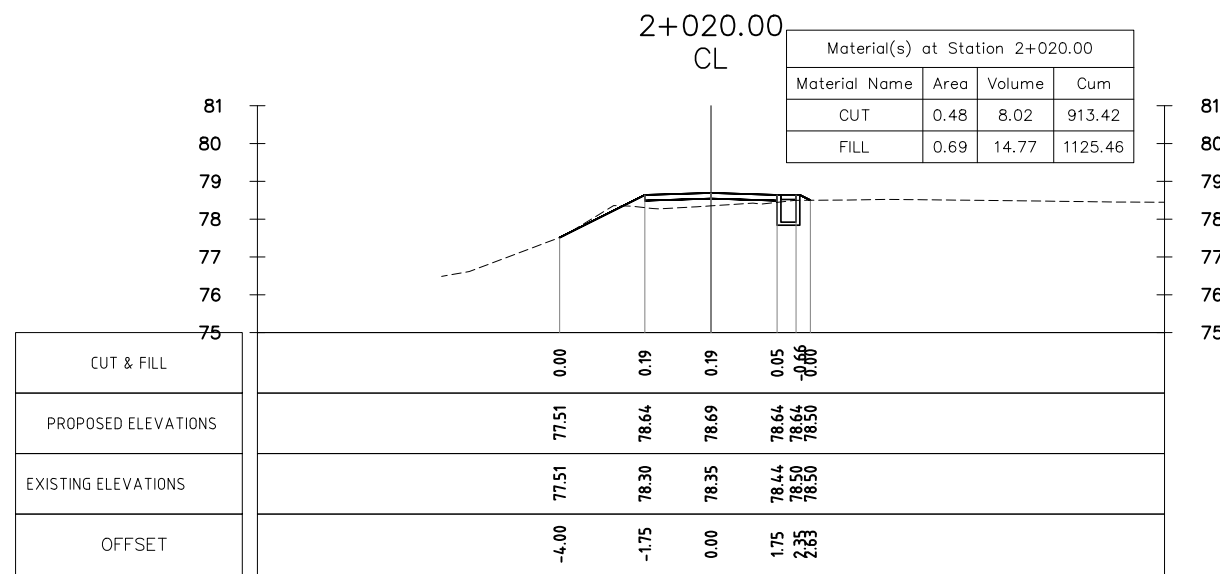
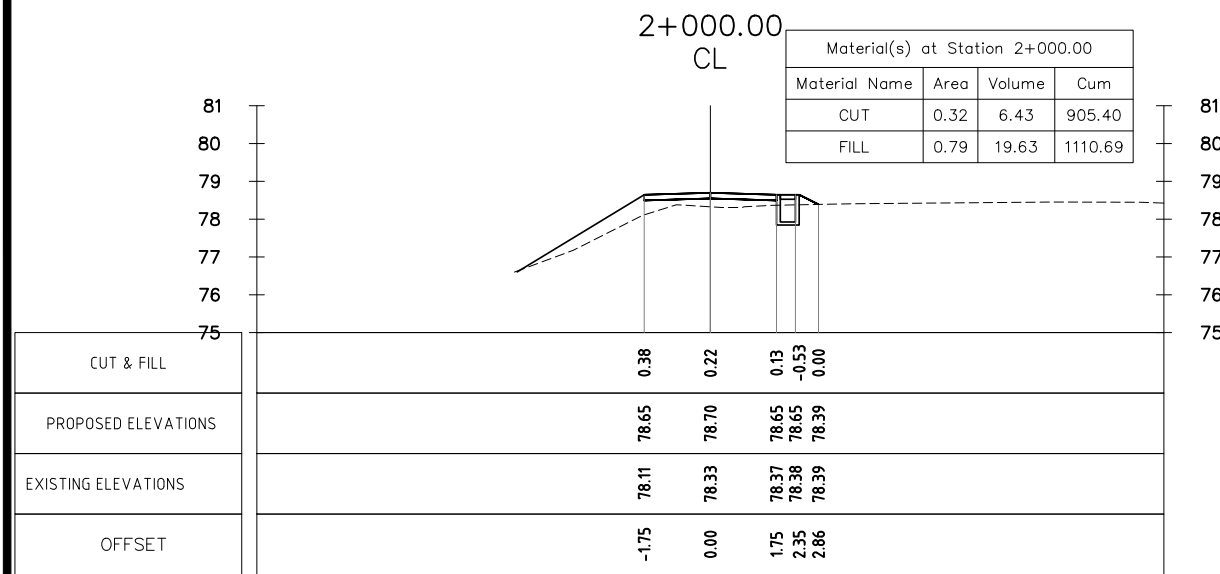
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 1+800-1+900

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-108
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
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TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

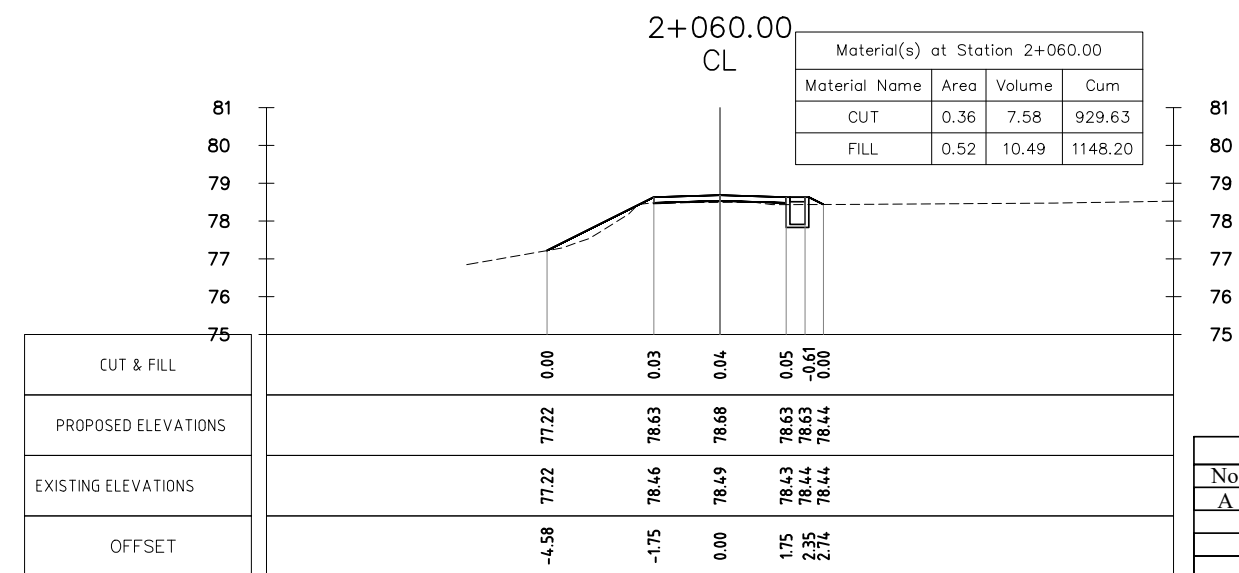
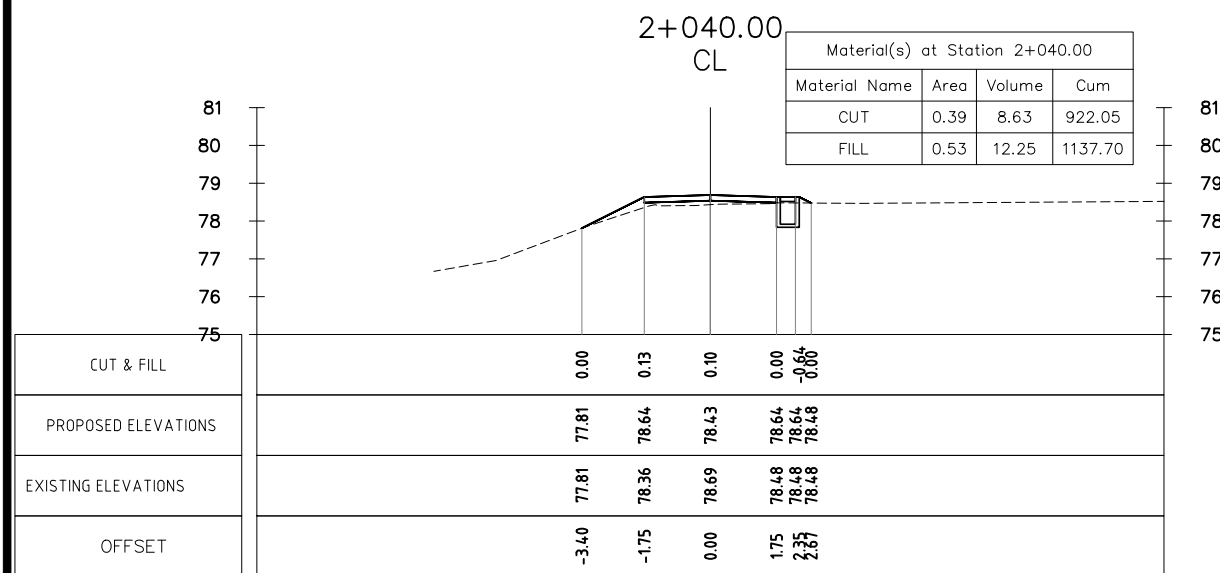
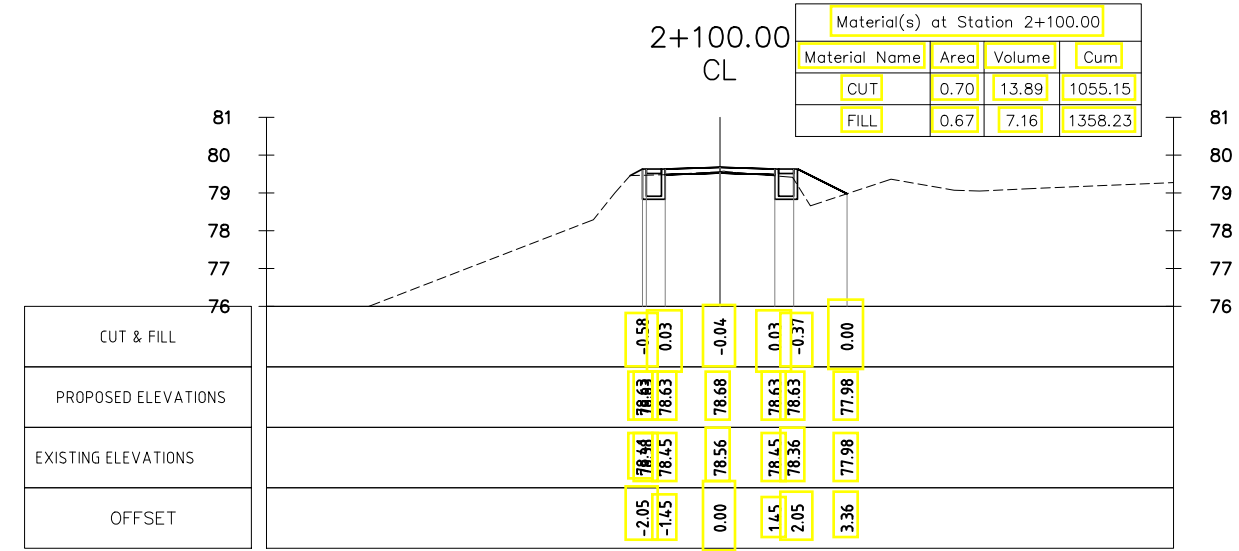
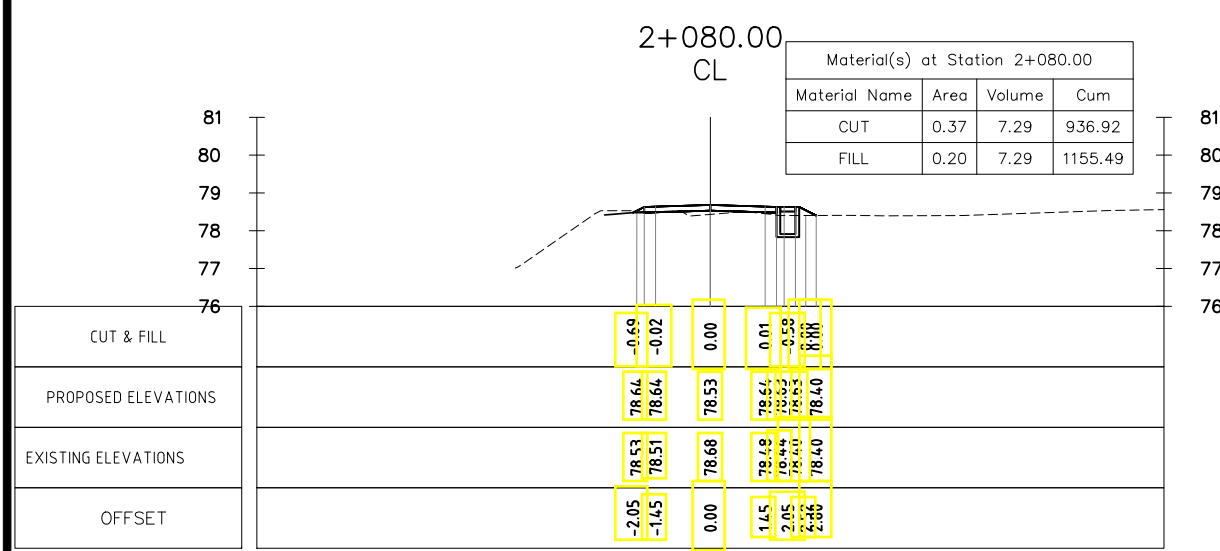
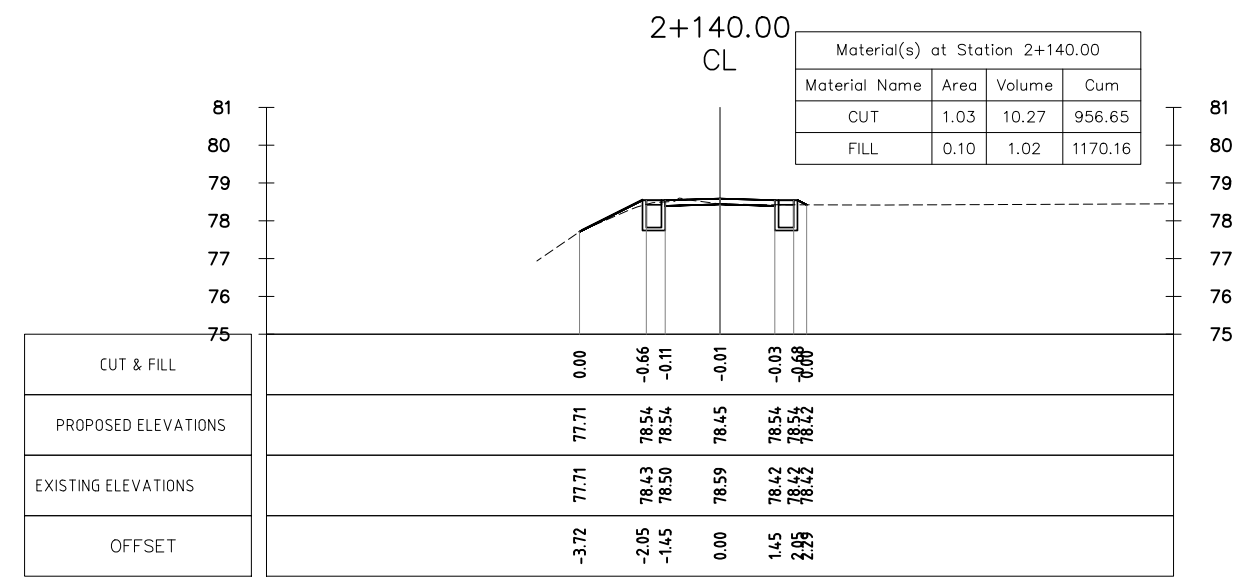
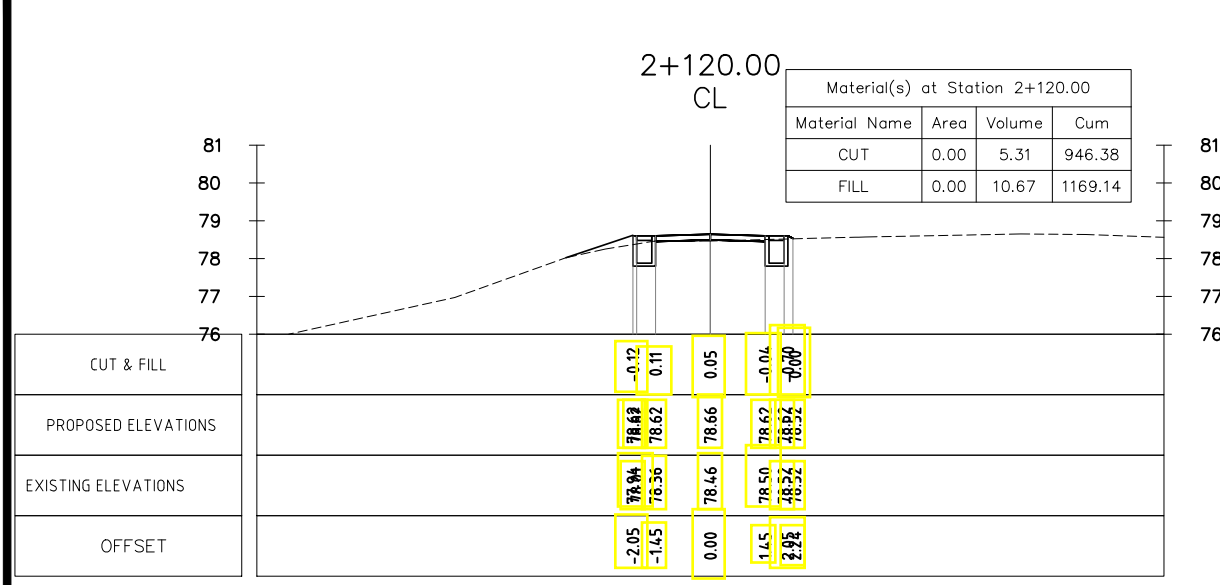
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 1+920-2+020			
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-109




REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM





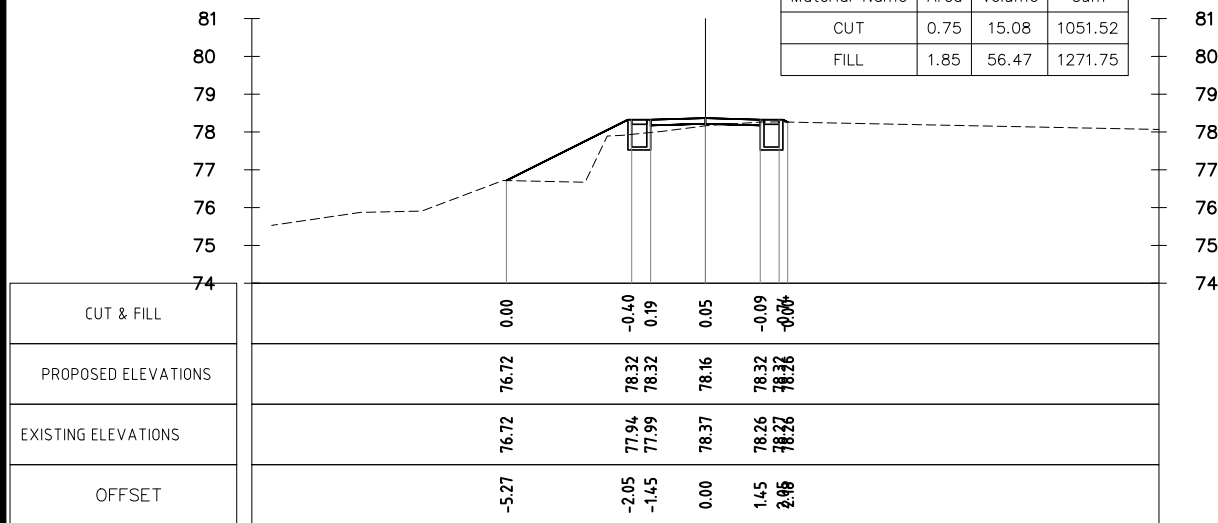

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 2+040-2+140

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-110
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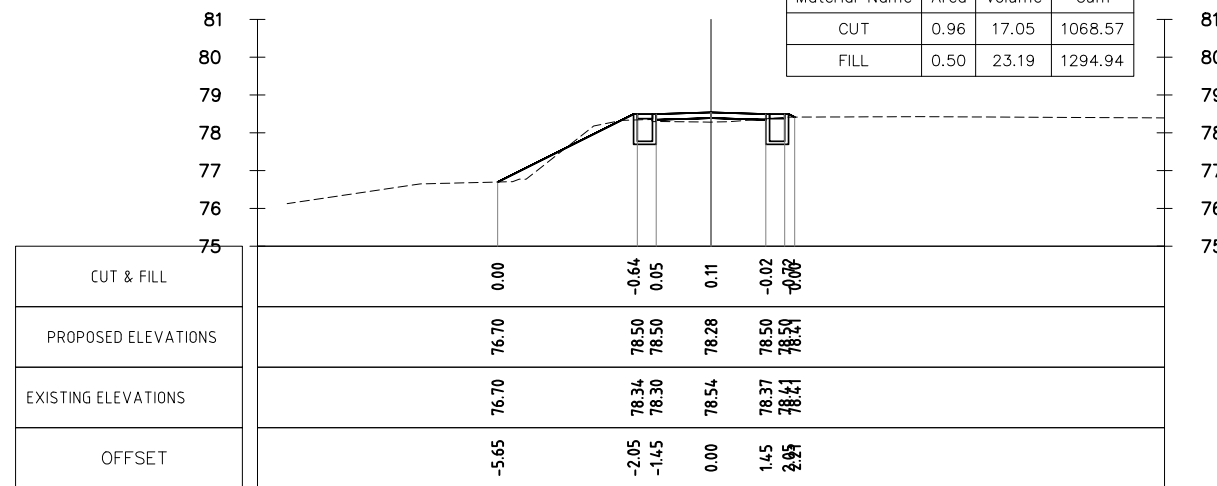
2+240.00  
CL

Material(s) at Station 2+240.00			
Material Name	Area	Volume	Cum
CUT	0.75	15.08	1051.52
FILL	1.85	56.47	1271.75



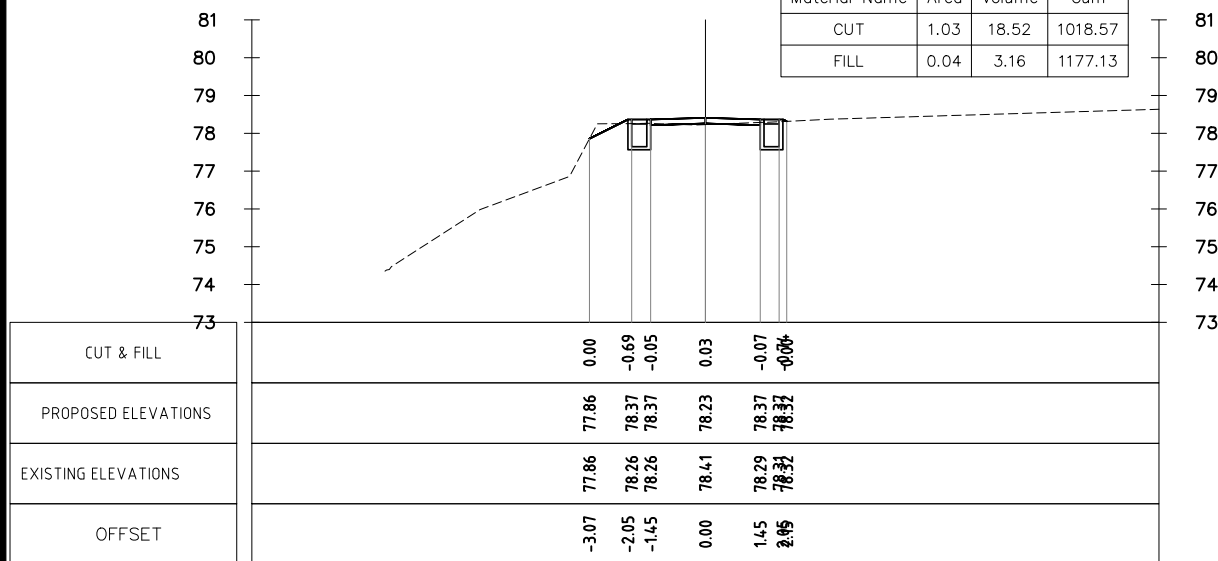
2+260.00  
CL

Material(s) at Station 2+260.00			
Material Name	Area	Volume	Cum
CUT	0.96	17.05	1068.57
FILL	0.50	23.19	1294.94



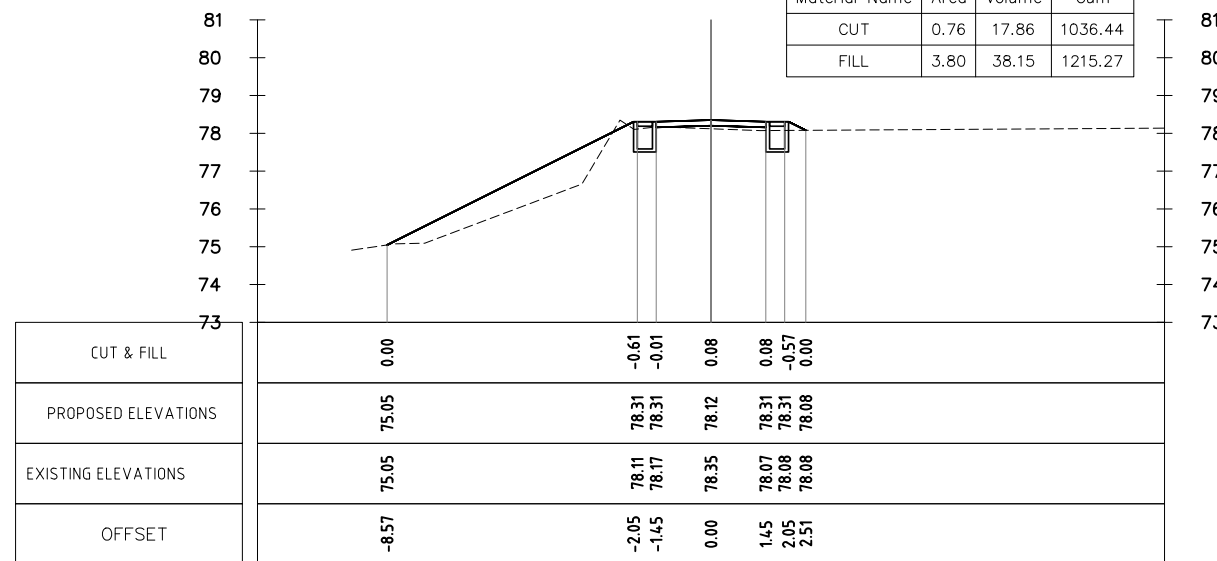
2+200.00  
CL

Material(s) at Station 2+200.00			
Material Name	Area	Volume	Cum
CUT	1.03	18.52	1018.57
FILL	0.04	3.16	1177.13



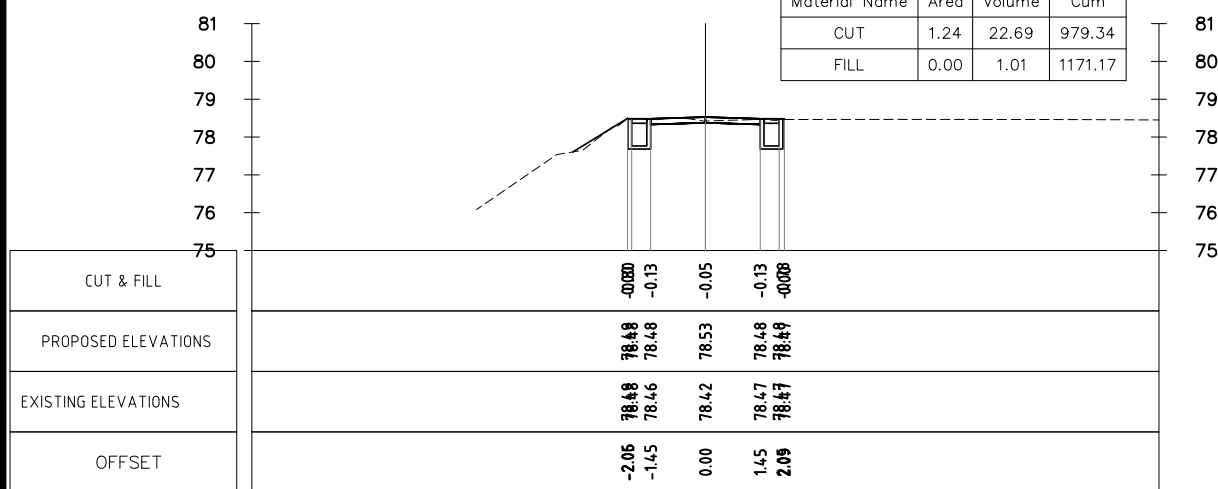
2+220.00  
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Material(s) at Station 2+220.00			
Material Name	Area	Volume	Cum
CUT	0.76	17.86	1036.44
FILL	3.80	38.15	1215.27



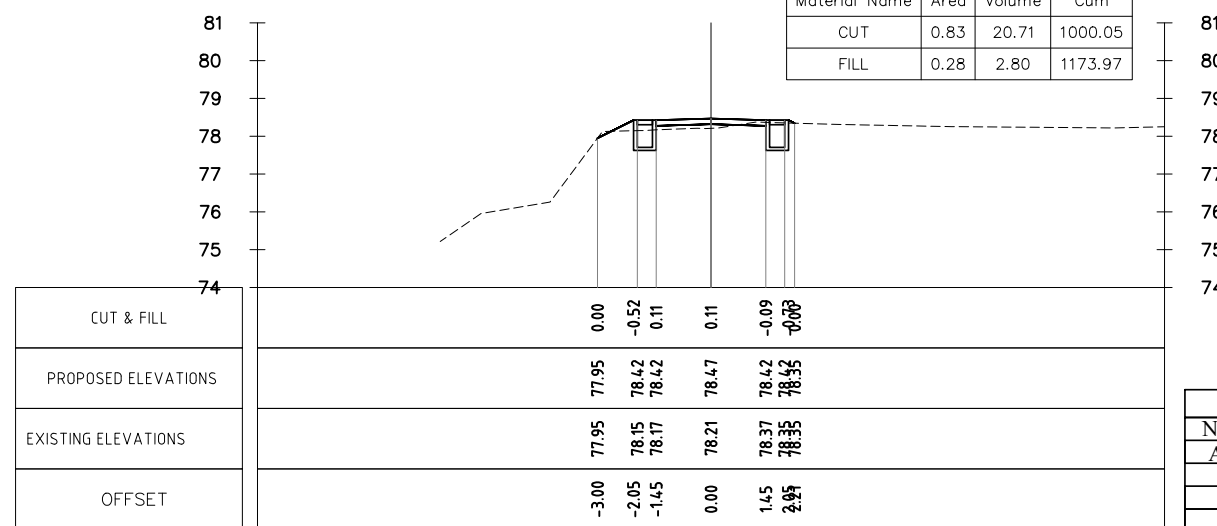
2+160.00  
CL

Material(s) at Station 2+160.00			
Material Name	Area	Volume	Cum
CUT	1.24	22.69	979.34
FILL	0.00	1.01	1171.17



2+180.00  
CL

Material(s) at Station 2+180.00			
Material Name	Area	Volume	Cum
CUT	0.83	20.71	1000.05
FILL	0.28	2.80	1173.97



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

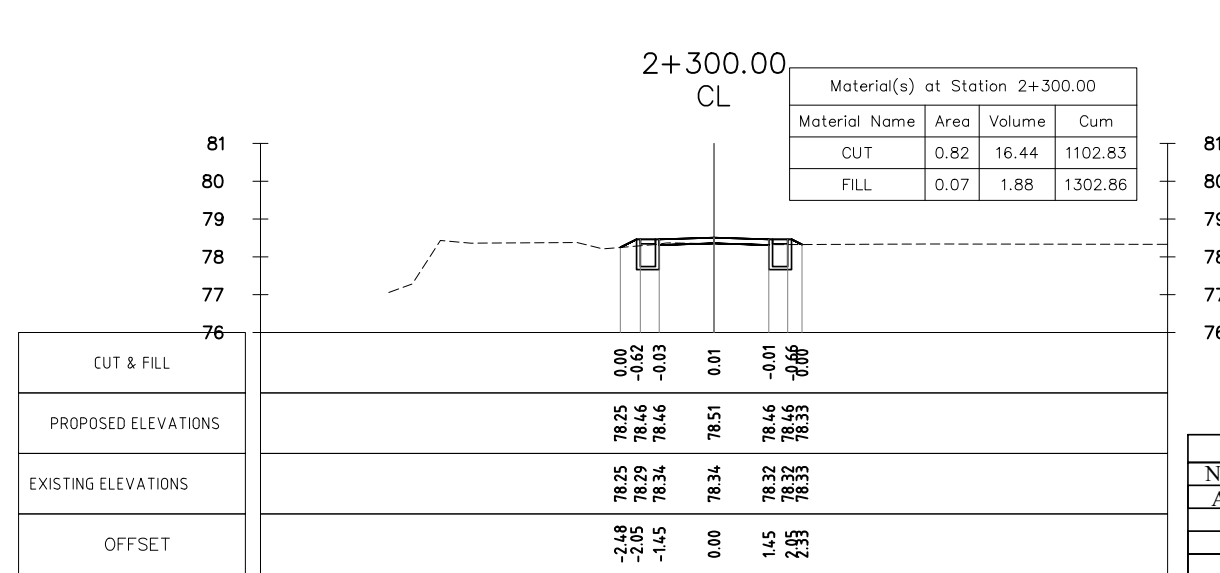
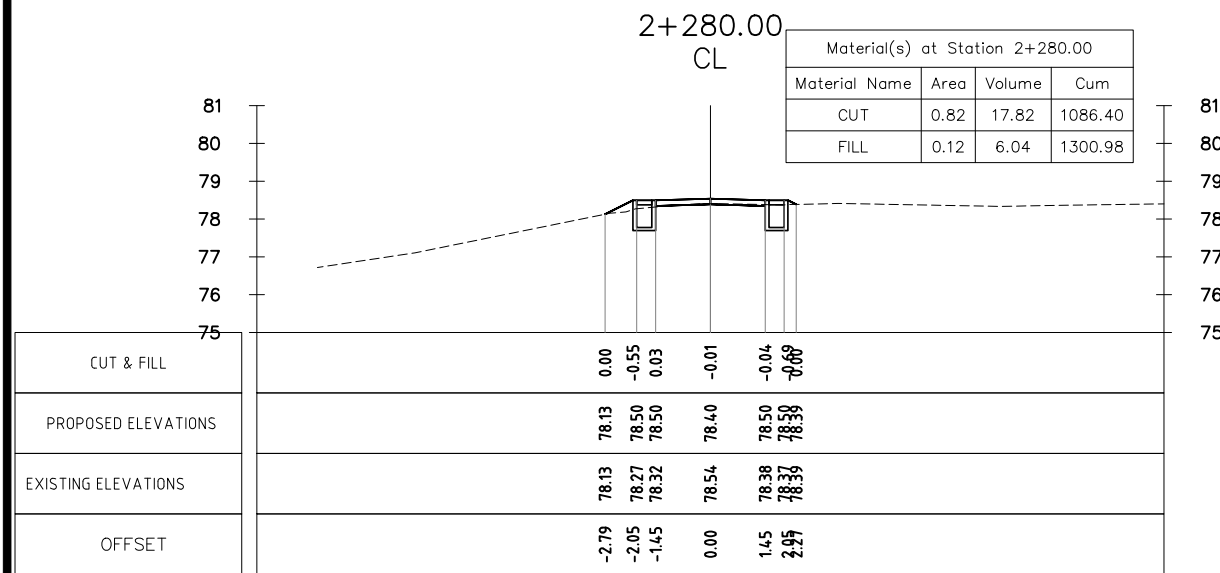
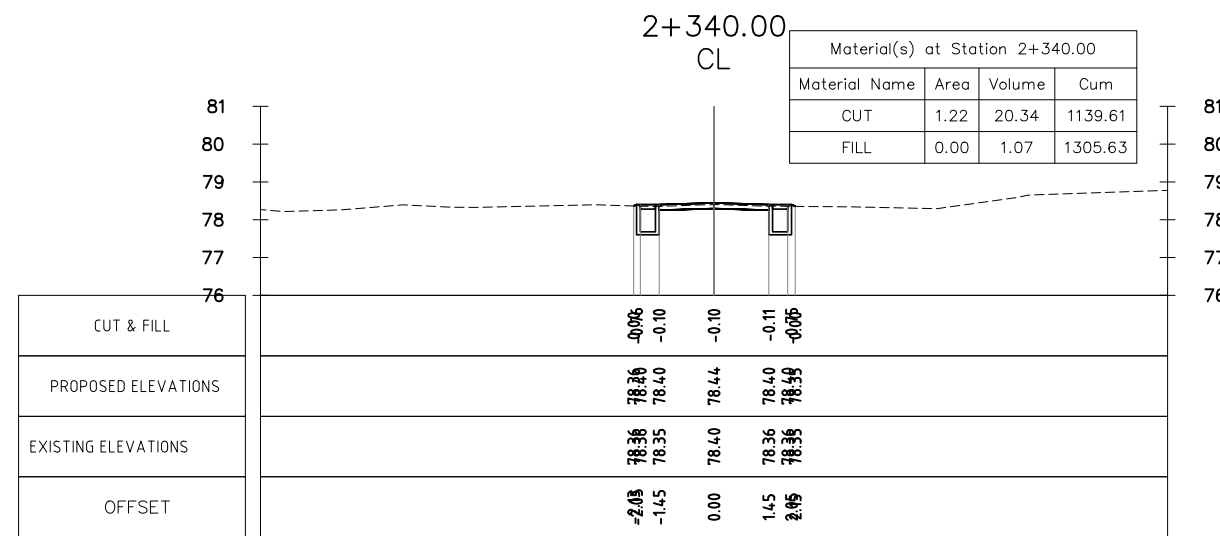
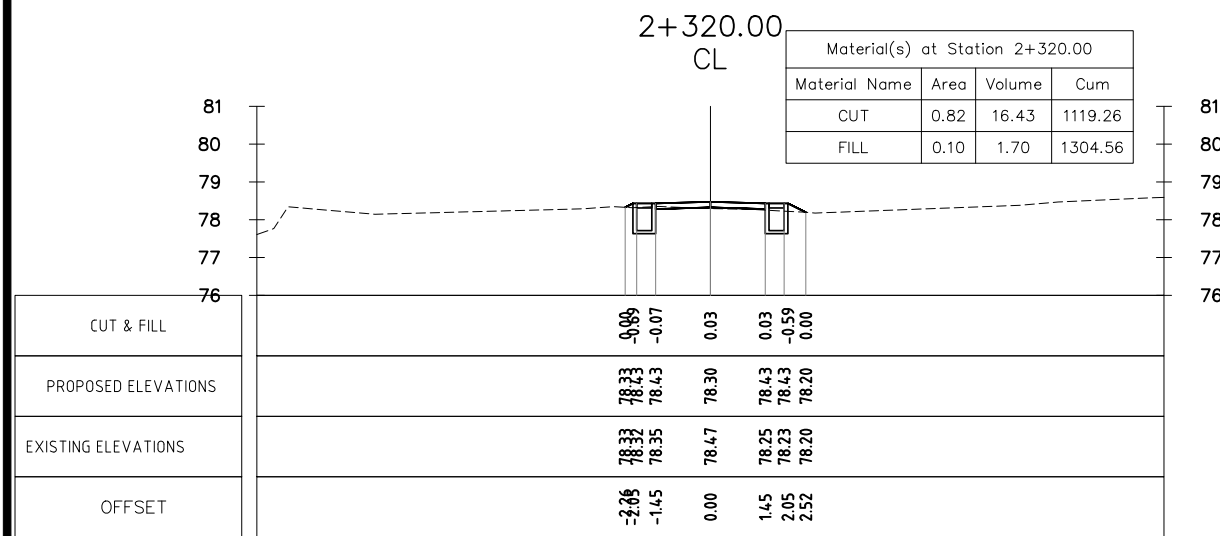
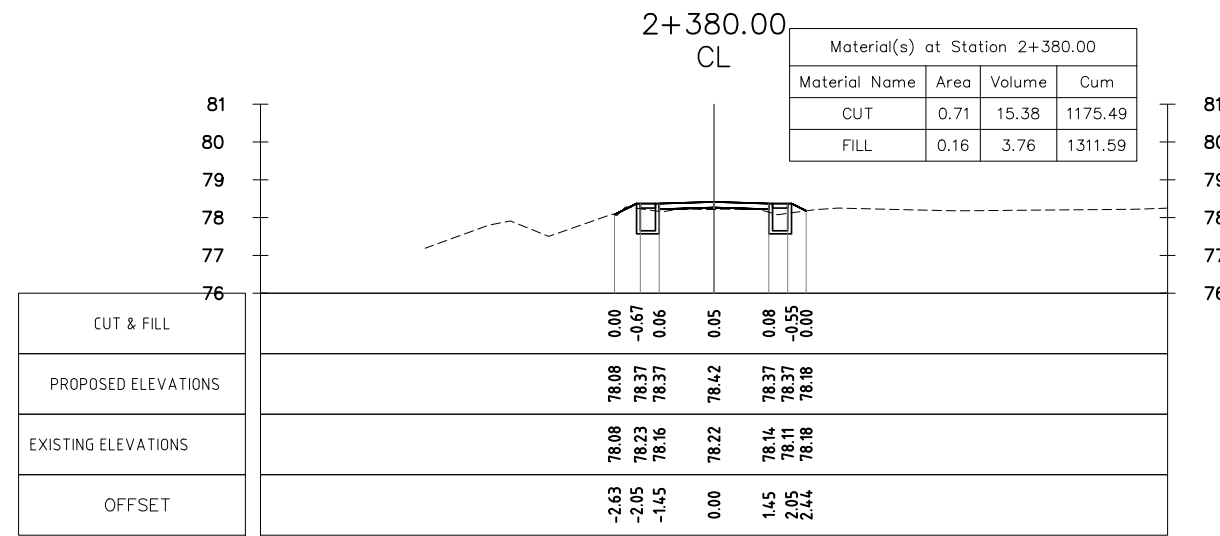
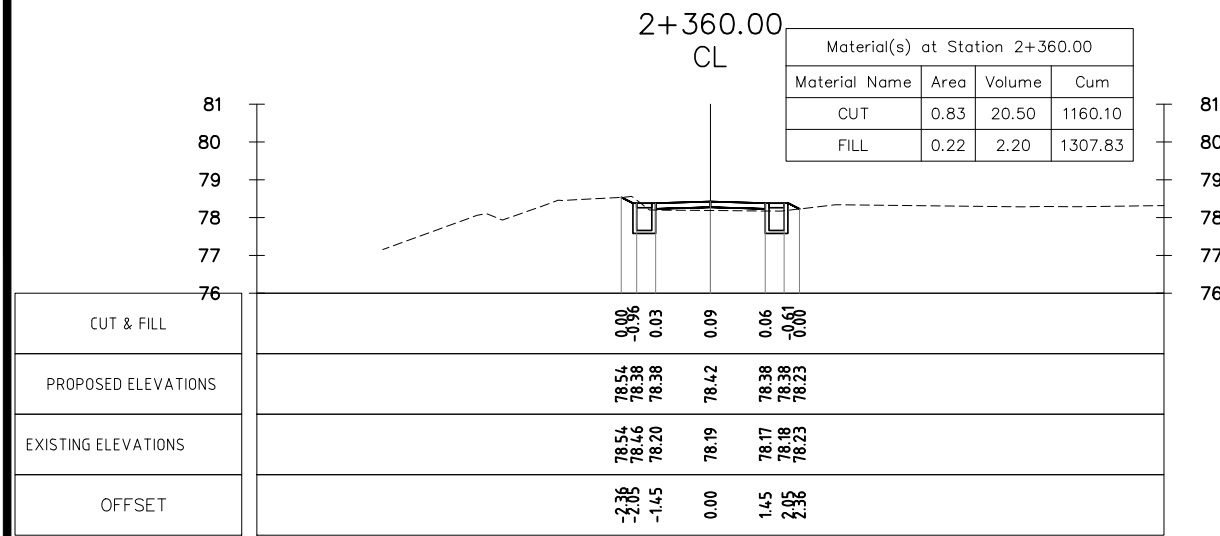
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 2+160-2+260

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-111
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

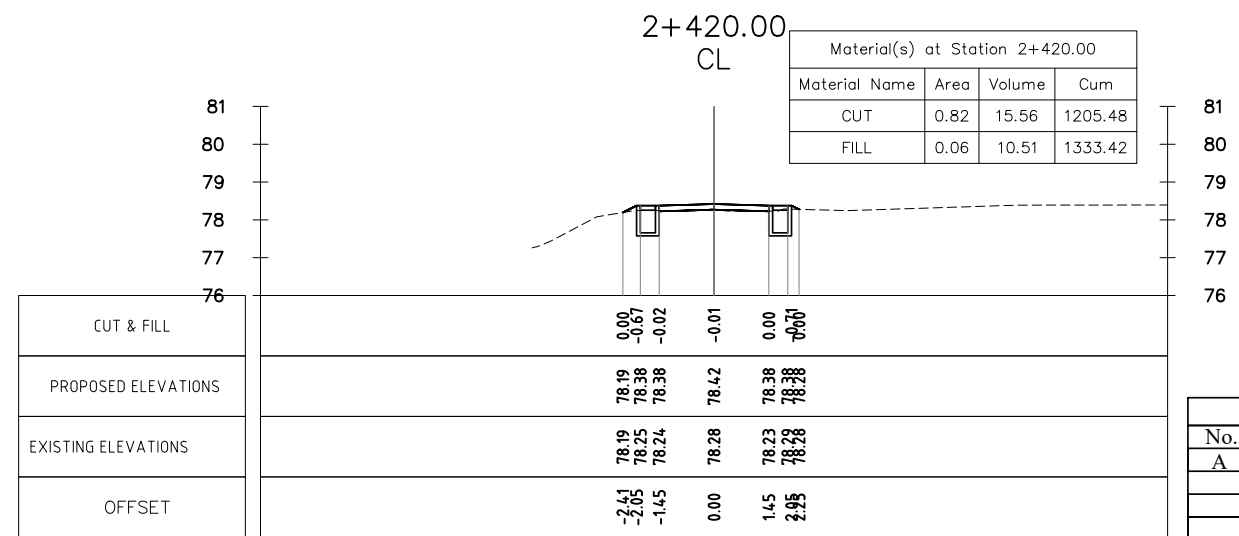
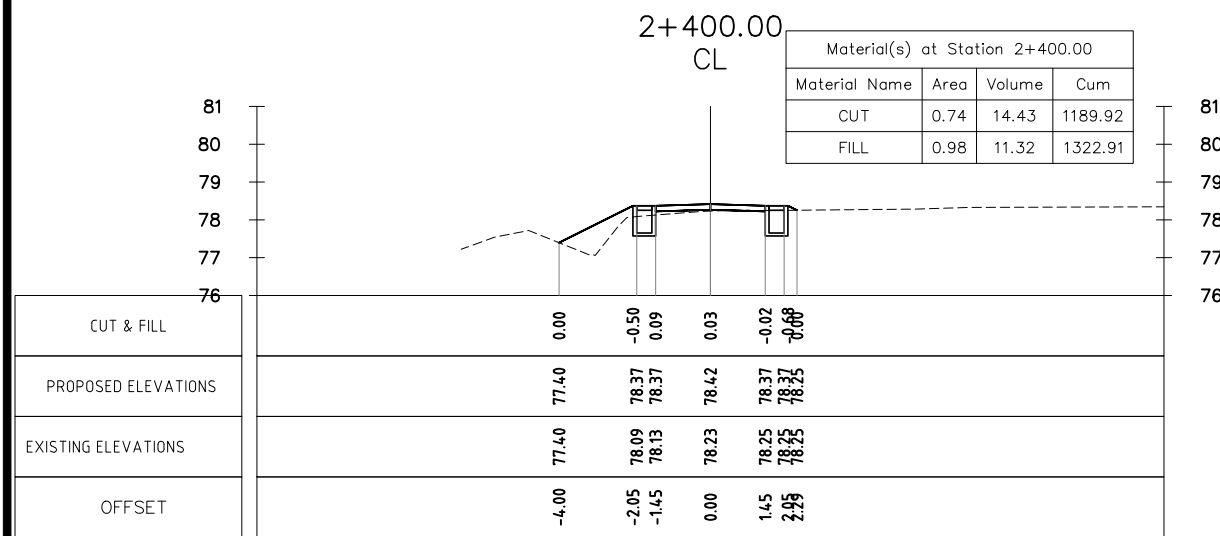
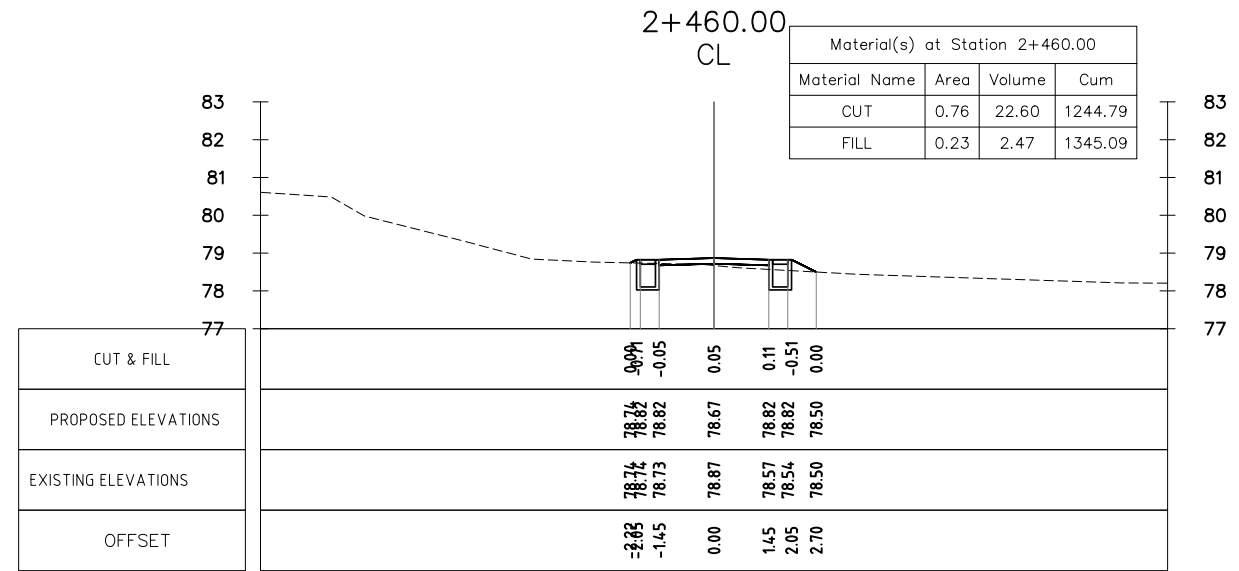
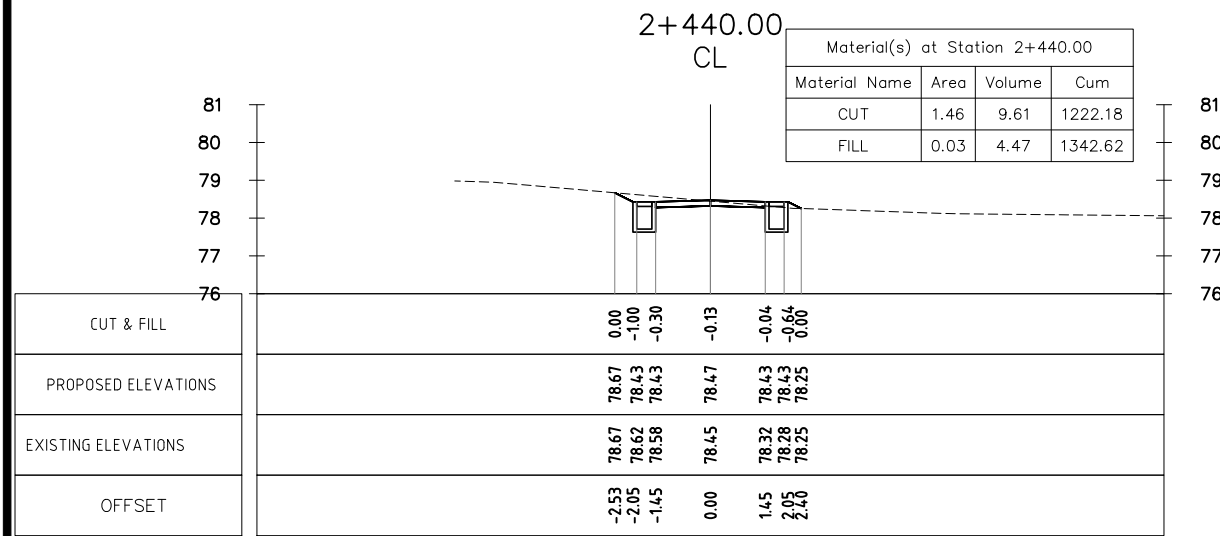
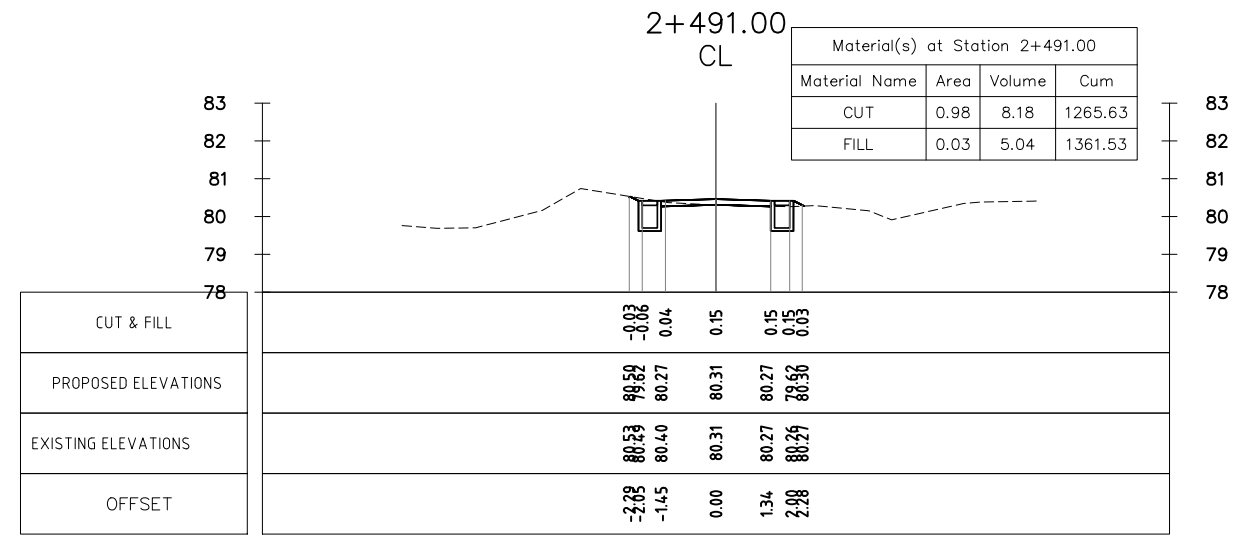
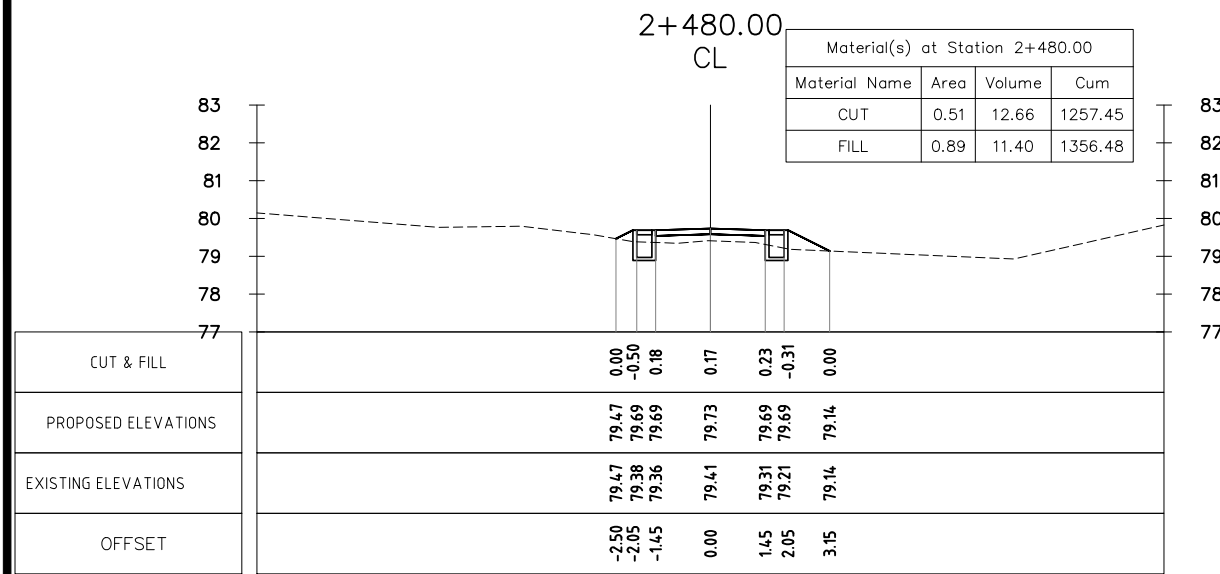


PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 2+280-2+380

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-112
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

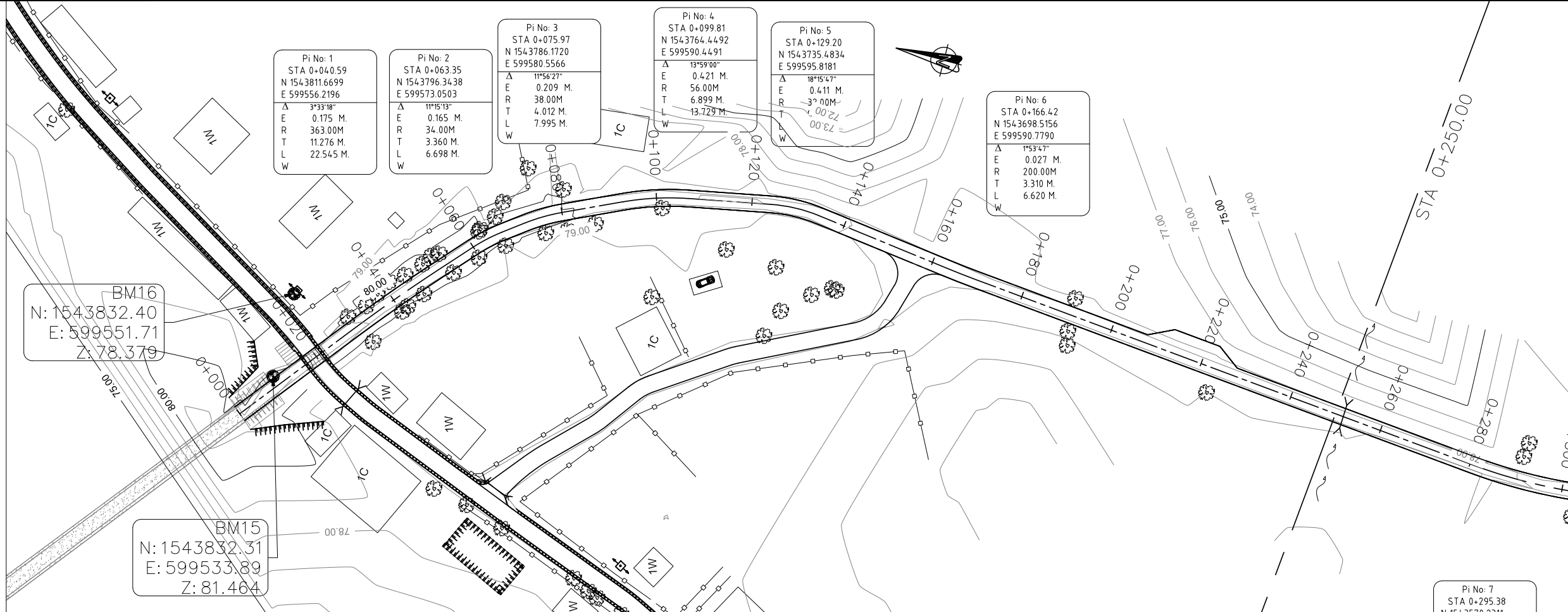


PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS - SECTION Sta:km 2+400-2+491

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-113
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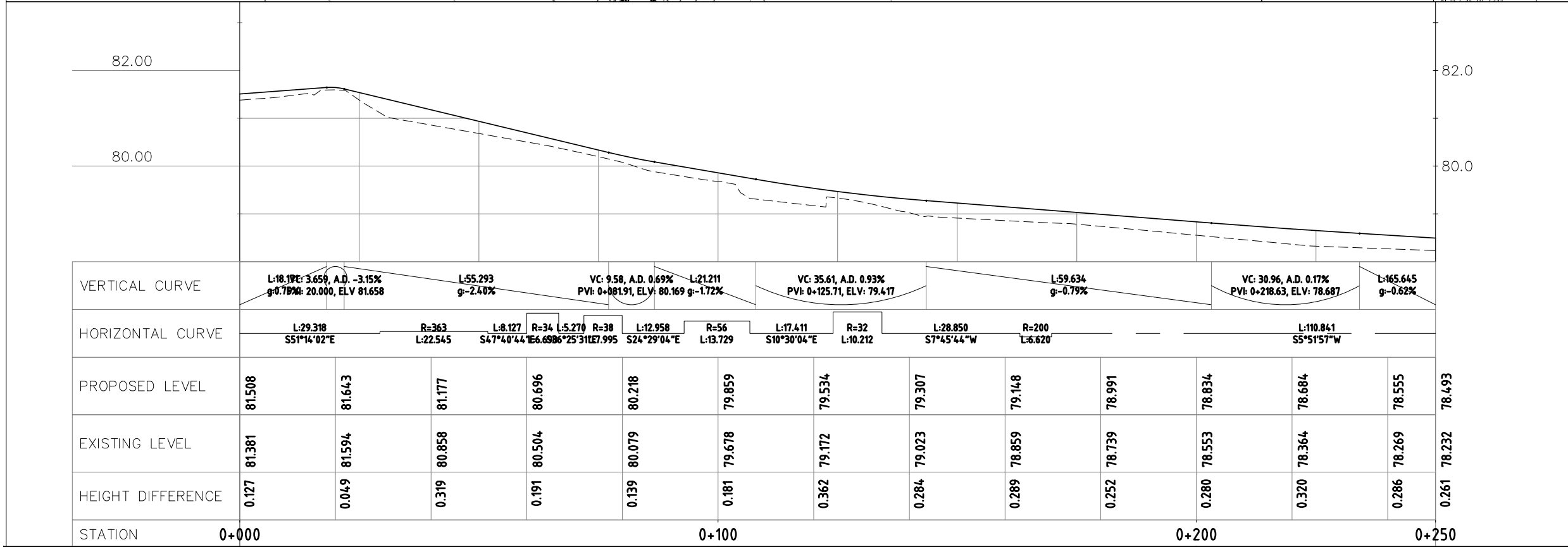
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE
- BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 0+000-0+250

SCALE IN A3: H1/1000  
 V1/100

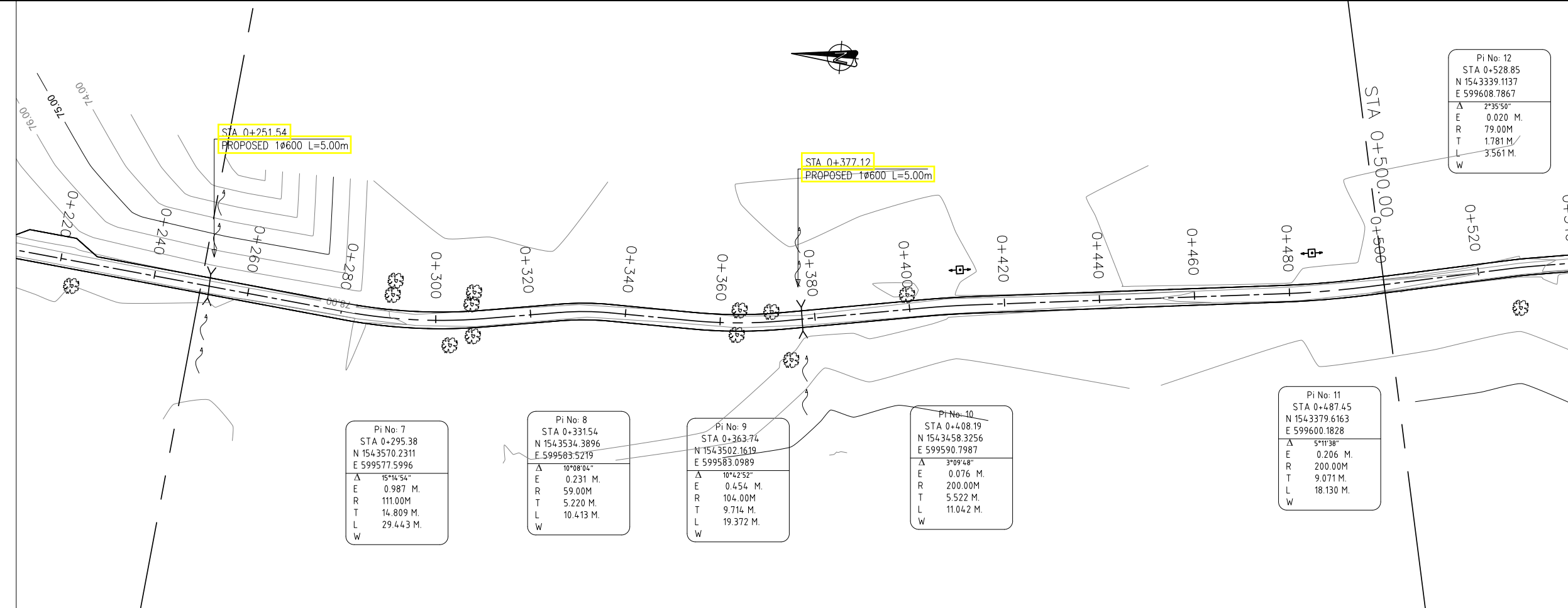
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DRAWING No.: \_\_\_\_\_

LAO - NKS

C-114

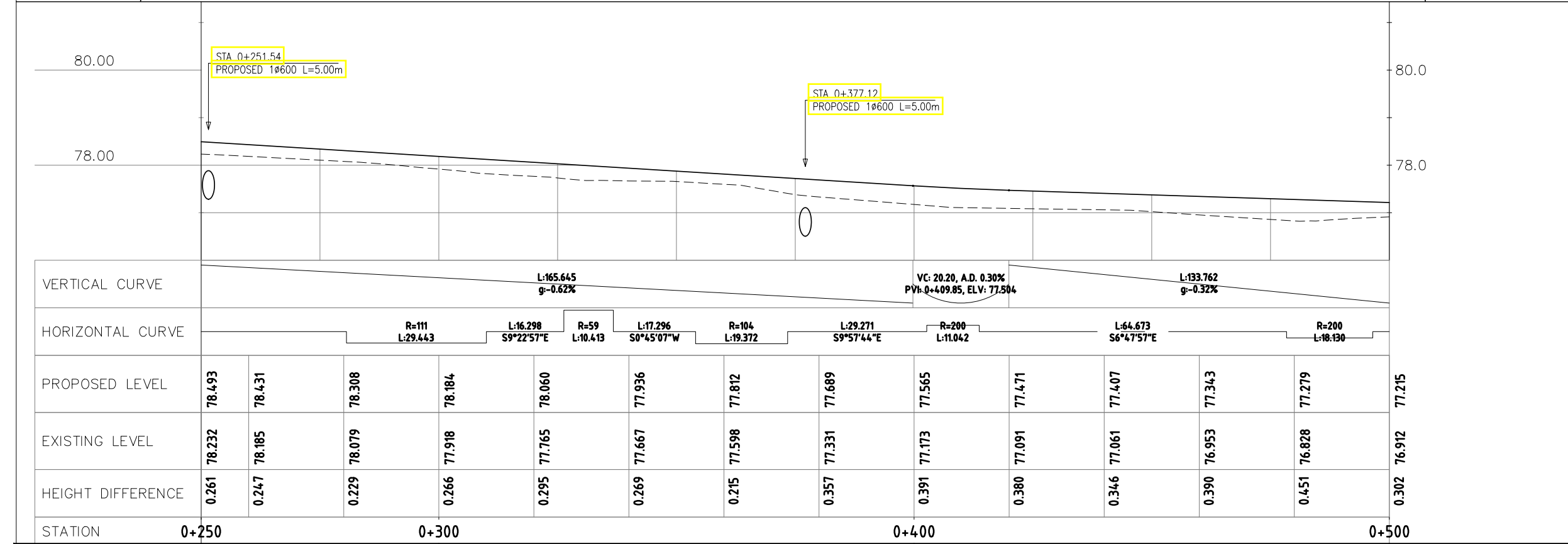
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18


Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



**Norconsult**   

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 0+250-0+500

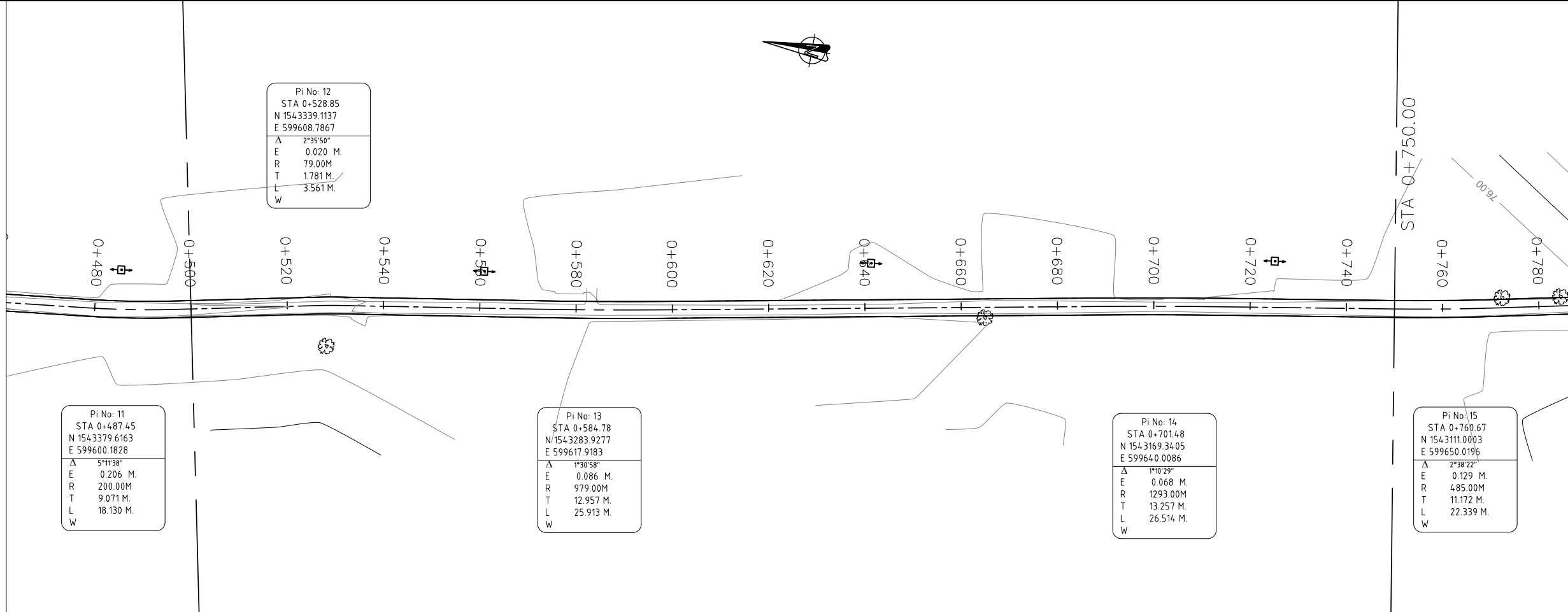
SCALE IN A3: H1/1000 VI/100

DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

C-115

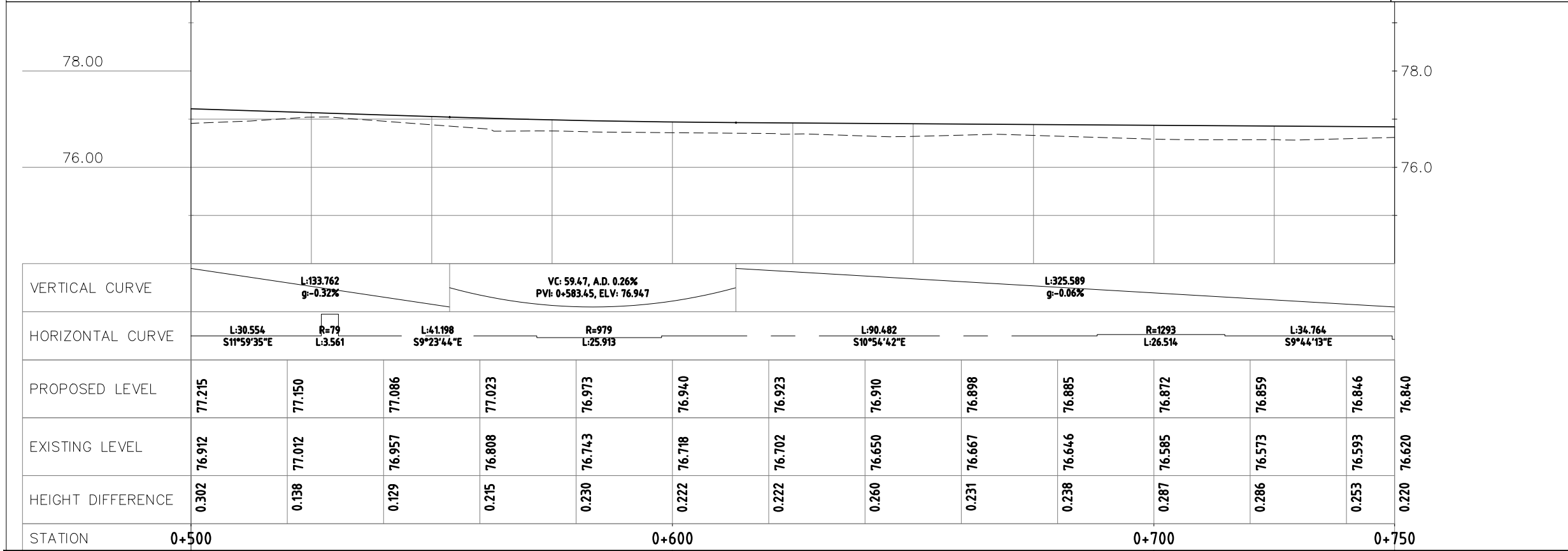
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

**CADTIS**

**LAC-Asean Engineering Consultants Sole CO., LTD**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 0+500-0+750

SCALE IN A3: H1/1000  
 V1/100

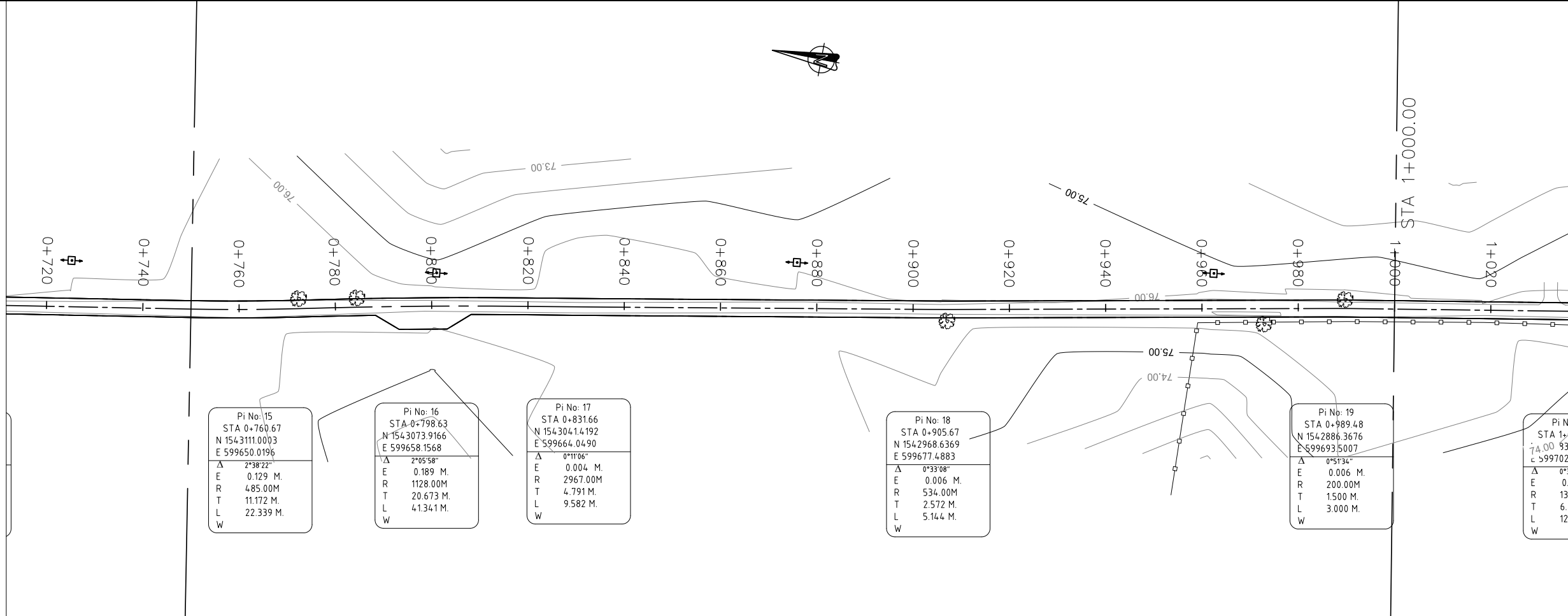
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DRAWING No.: \_\_\_\_\_

LAO - NKS

C-116

PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

Pi No: 15  
STA 0+760.67  
N 1543111.0003  
E 599650.0196  
Δ 2°38'22"  
E 0.129 M.  
R 4.85.00M  
T 11.172 M.  
L 22.339 M.  
W

Pi No: 16  
STA 0+798.63  
N 1543073.9166  
E 599658.1568  
Δ 2°05'58"  
E 0.189 M.  
R 1128.00M  
T 20.673 M.  
L 41.341 M.  
W

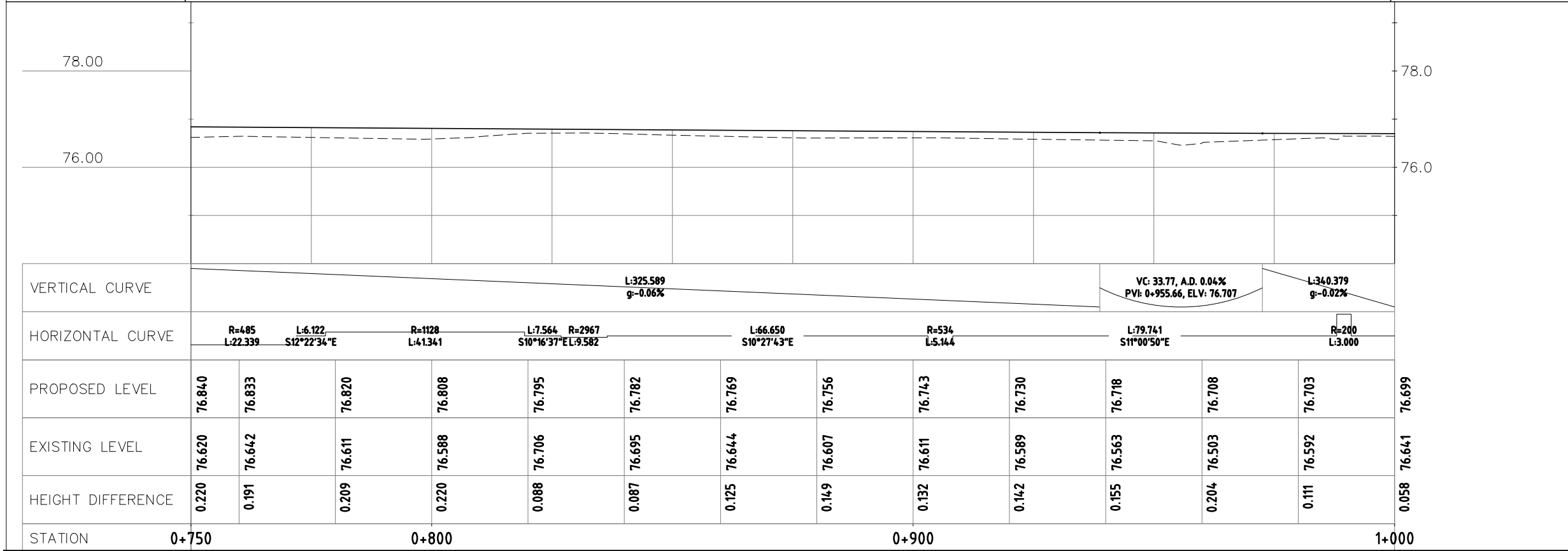
Pi No: 17  
STA 0+831.66  
N 1543041.4192  
E 599664.0490  
Δ 0°11'06"  
E 0.004 M.  
R 2967.00M  
T 4.791 M.  
L 9.582 M.  
W

Pi No: 18  
STA 0+905.67  
N 1542968.6369  
E 599677.4883  
Δ 0°33'08"  
E 0.006 M.  
R 534.00M  
T 2.572 M.  
L 5.144 M.  
W

Pi No: 19  
STA 0+989.48  
N 1542886.3676  
E 599693.5007  
Δ 0°51'34"  
E 0.006 M.  
R 200.00M  
T 1.500 M.  
L 3.000 M.  
W

Pi No: 20  
STA 1+004.00  
N 1542835.8358  
E 599702.5959  
Δ 0°32'22"  
E 0.011 M.  
R 1368.00M  
T 6.43 M.  
L 12.88 M.  
W

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed: \_\_\_\_\_  
  
TITLE: \_\_\_\_\_  
  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM

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**CADTIS** **CADTIS-Consultant**

**LAC** **LAC-Asean Engineering Consultants Sole CO.,LTD**

PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 0+750-1+000

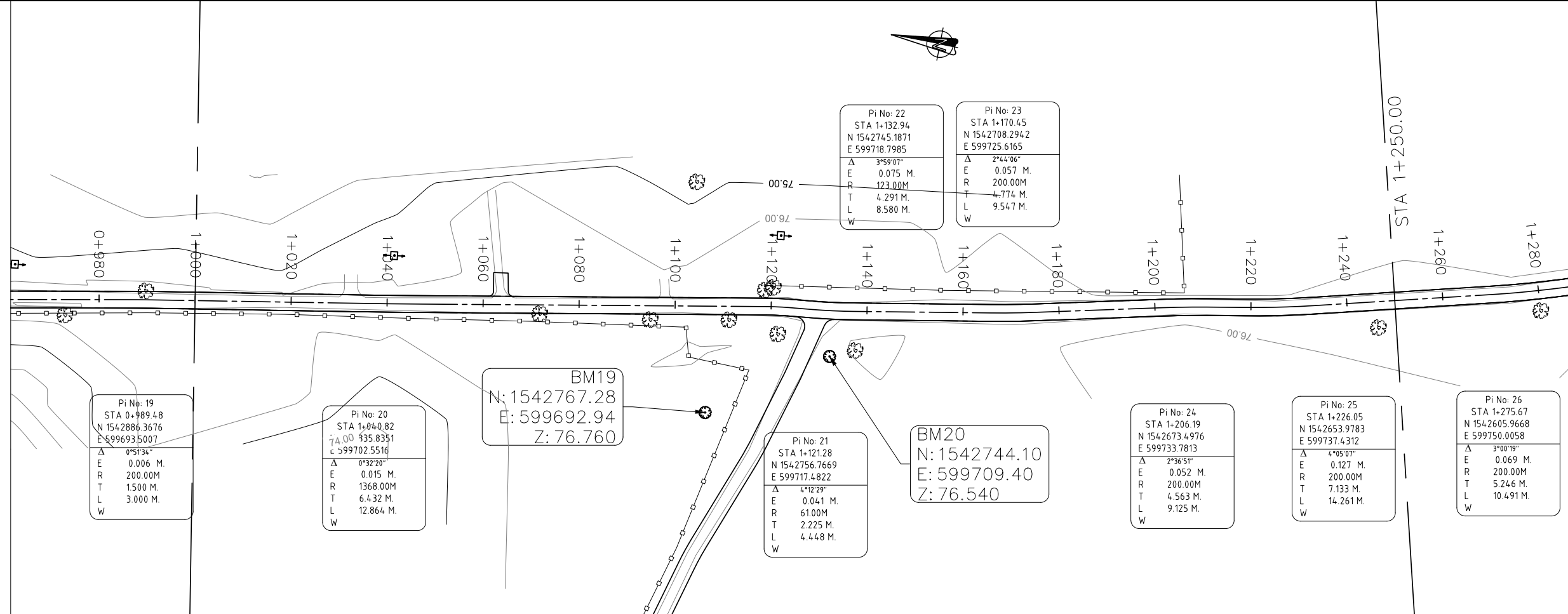
SCALE IN A3: H1/1000  
V1/100

DATE: \_\_\_\_\_

DRAWING No.: \_\_\_\_\_  
LAO - NKS

C-117

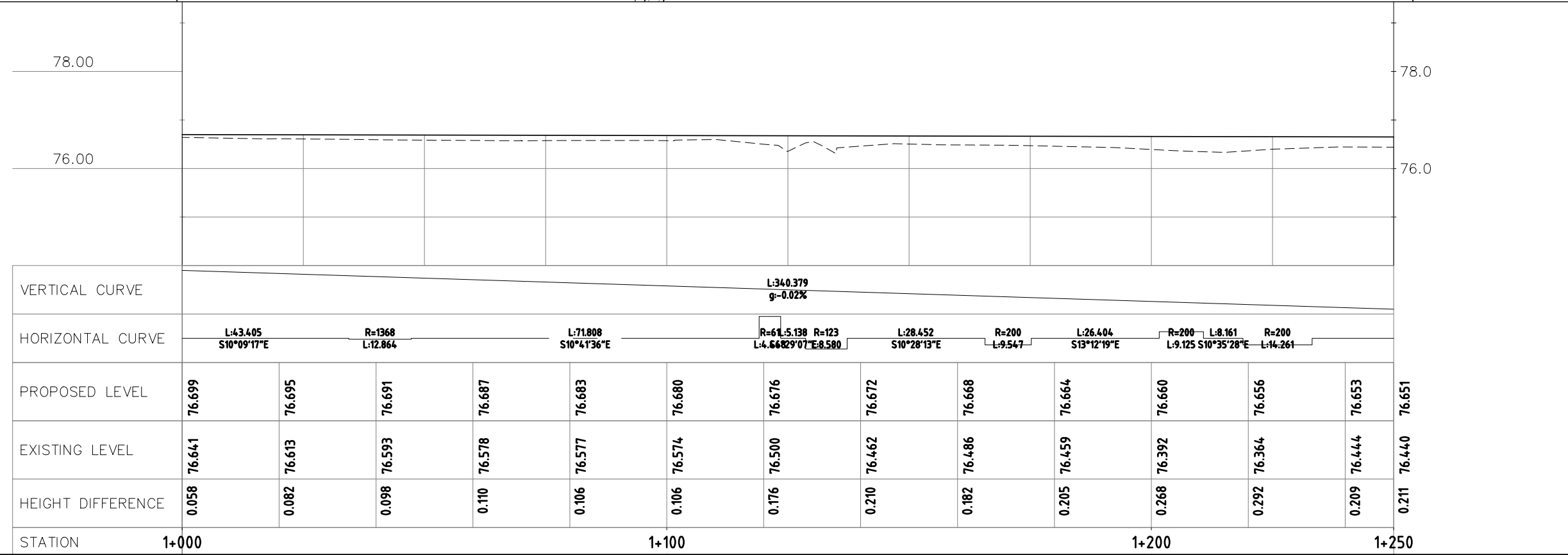
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE
- BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



VERTICAL CURVE	L:340.379 g:-0.02%															
HORIZONTAL CURVE	L:43.405 S10°09'17"E		R=1368 L:12.864		L:71.808 S10°41'36"E		R=61.5138 R=123 L:4.66829°07'E:8.580		L:28.452 S10°28'13"E		R=200 L:9.547		L:26.404 S13°12'19"E		R=200 L:8.161 L:9.125 S10°35'28"E L:14.261	
PROPOSED LEVEL	76.699	76.695	76.691	76.687	76.683	76.680	76.676	76.672	76.668	76.664	76.660	76.656	76.653	76.651		
EXISTING LEVEL	76.641	76.613	76.593	76.578	76.577	76.574	76.500	76.462	76.486	76.459	76.392	76.364	76.444	76.440		
HEIGHT DIFFERENCE	0.058	0.082	0.098	0.110	0.106	0.106	0.176	0.210	0.182	0.205	0.268	0.292	0.209	0.211		
STATION	1+000			1+100			1+200			1+250						

REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 1+000-1+250

SCALE IN A3: H1/1000  
 VI/100

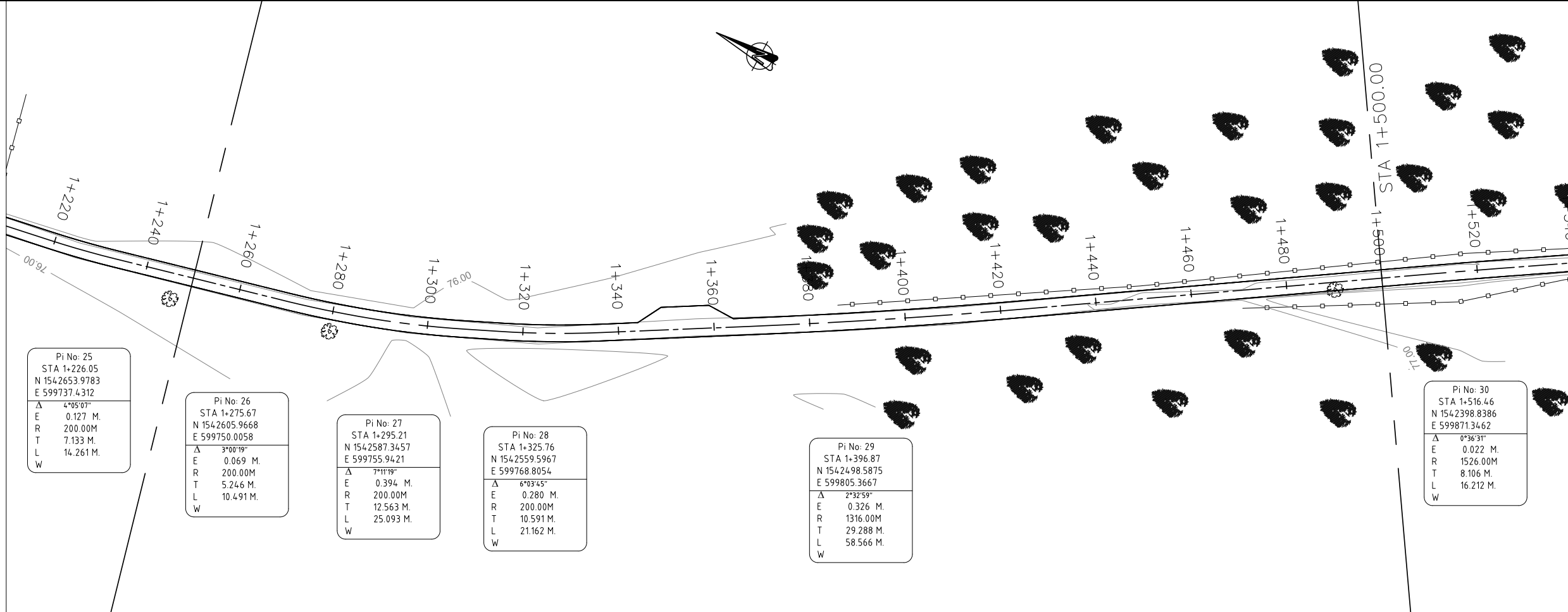
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DRAWING No.: \_\_\_\_\_

LAO - NKS

C-118

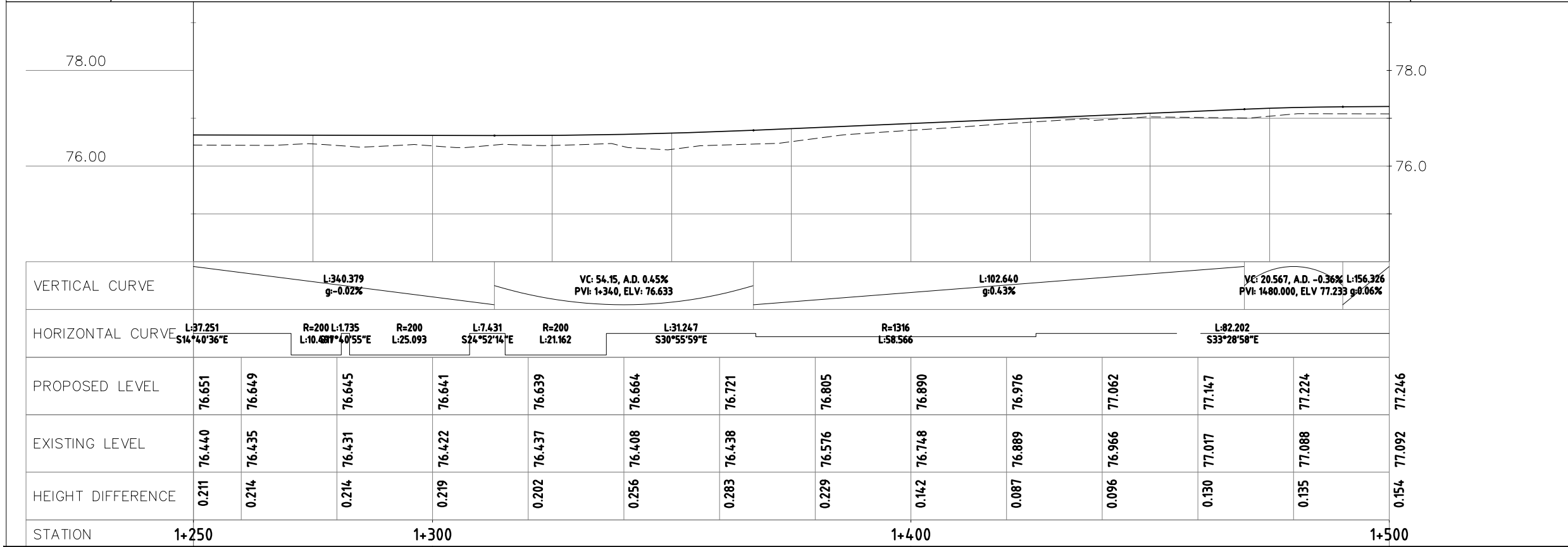
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18


Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



**Norconsult**     

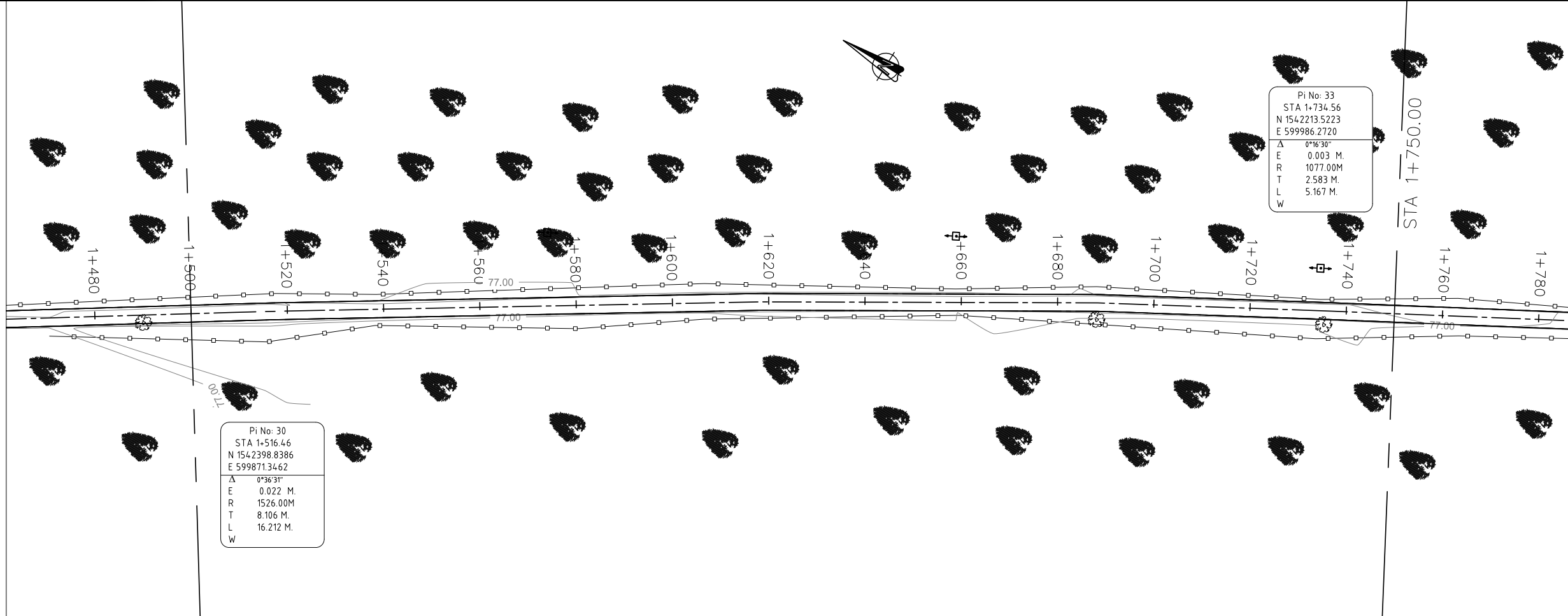
PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 1+250-1+500

SCALE IN A3: H1/1000 VI/100 DATE: \_\_\_\_\_ DRAWING No.: \_\_\_\_\_

LAO - NKS C-119

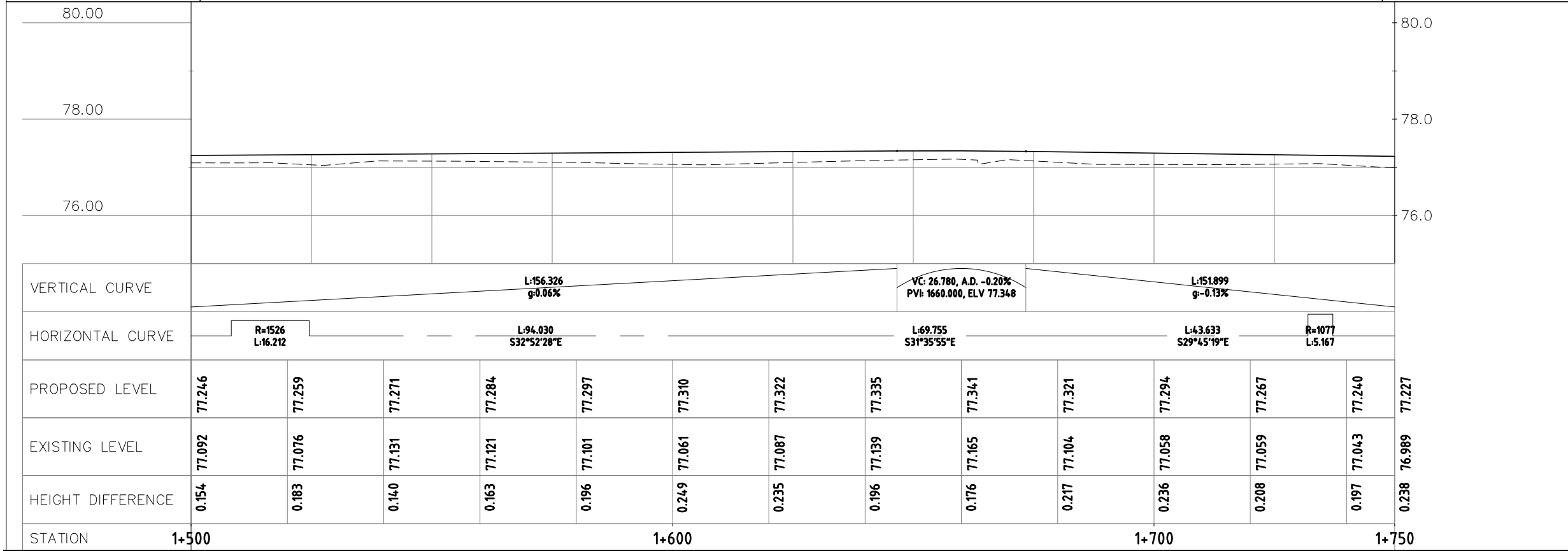
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

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**LAC** **LAC-Asean Engineering Consultants Sole CO., LTD**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 1+500-1+750

SCALE IN A3: H1/1000 VI/100

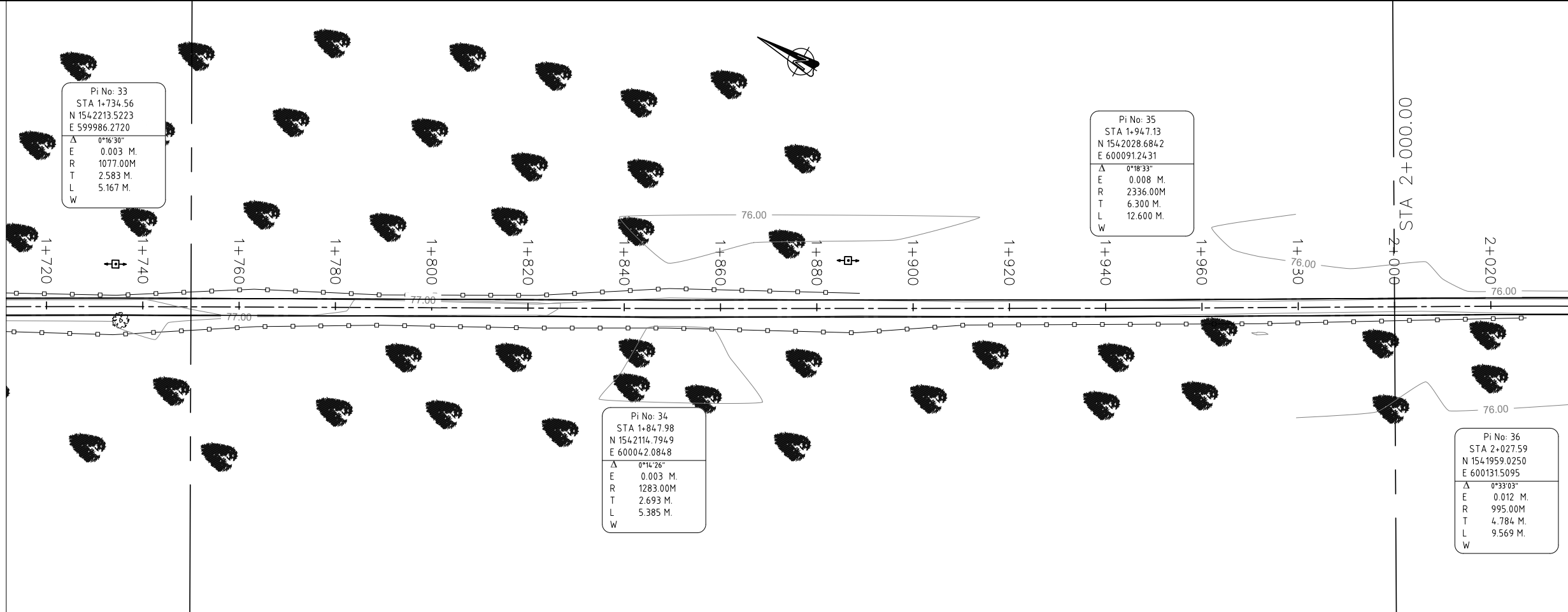
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DRAWING No.: LAO - NKS

C-120



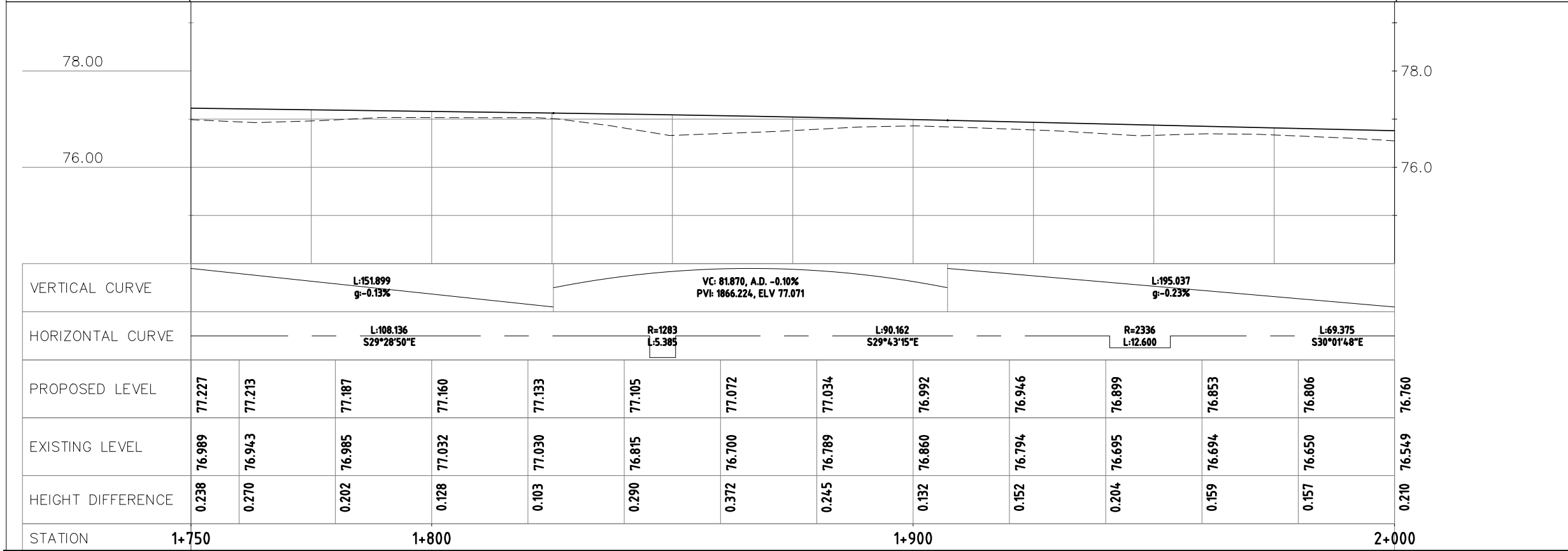
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

**CADTIS** **CADTIS-Consultant**

**LAC** **LAC-Asean Engineering Consultants Sole CO., LTD**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 1+750-2+000

SCALE IN A3: H1/1000  
 V1/100

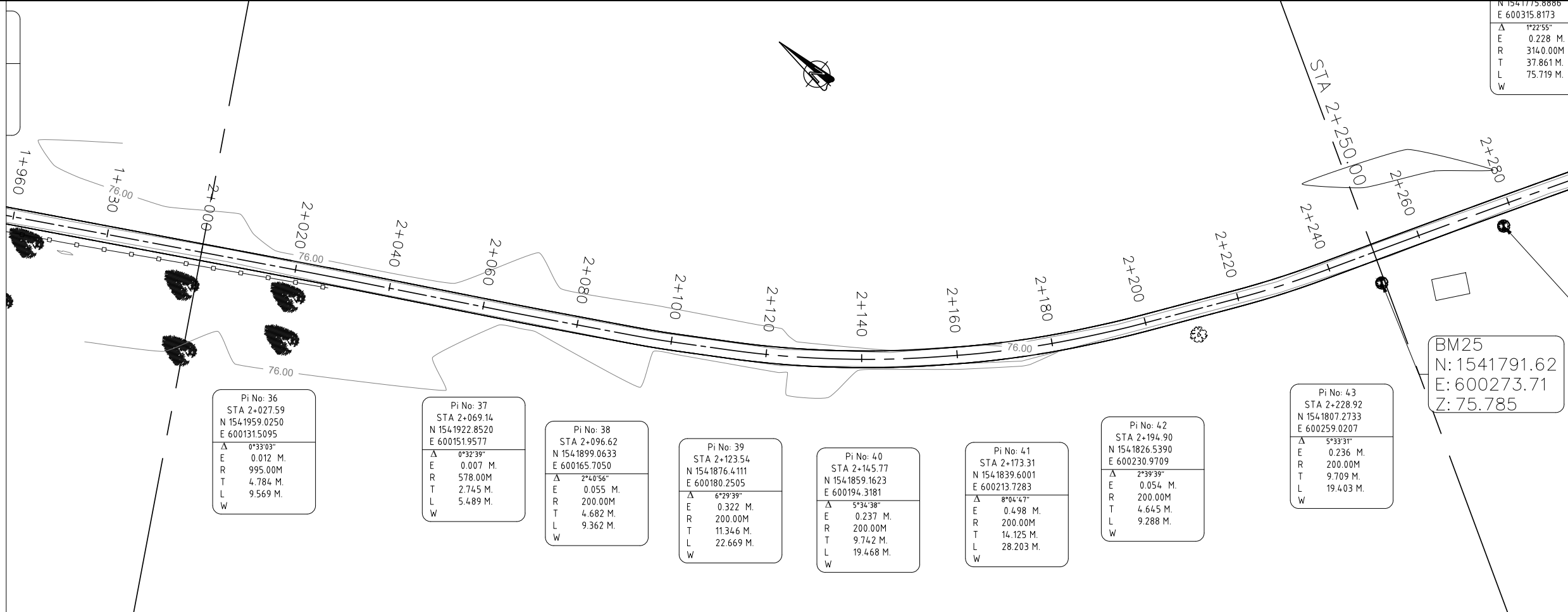
DATE: \_\_\_\_\_

DRAWING No.: \_\_\_\_\_

LAO - NKS

C-121

PLAN VIEW

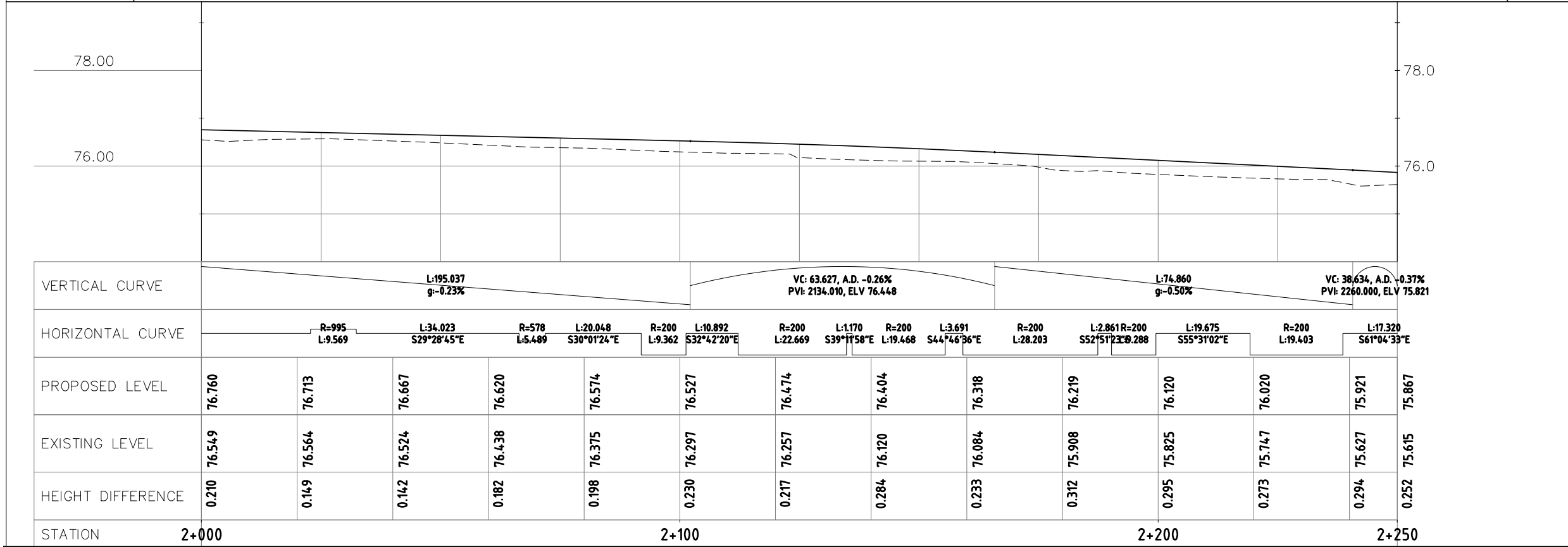


N 154175.8886  
E 600315.8173  
Δ 1°22'55"  
E 0.228 M.  
R 314.000M  
T 37.861 M.  
L 75.719 M.

LEGEND:

- NORTH DIRECTION
- CONCRETE
- BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



VERTICAL CURVE	L:195.037 g:-0.23%		VC: 63.627, A.D. -0.26% PVI: 2134.010, ELV 76.448						L:74.860 g:-0.50%		VC: 38.634, A.D. -0.37% PVI: 2260.000, ELV 75.821				
HORIZONTAL CURVE	R=995 L:9.569	L:34.023 S29°28'45"E	R=578 L:5.489	L:20.048 S30°01'24"E	R=200 L:9.362	L:10.892 S32°42'20"E	R=200 L:22.669	L:1.170 S39°11'58"E	R=200 L:19.468	L:3.691 S44°46'36"E	R=200 L:28.203	L:2.861R=200 S52°51'23"E	L:19.675 S55°31'02"E	R=200 L:19.403	L:17.320 S61°04'33"E
PROPOSED LEVEL	76.760	76.713	76.667	76.620	76.574	76.527	76.474	76.404	76.318	76.219	76.120	76.020	75.921	75.867	
EXISTING LEVEL	76.549	76.564	76.524	76.438	76.375	76.297	76.257	76.120	76.084	75.908	75.825	75.747	75.627	75.615	
HEIGHT DIFFERENCE	0.210	0.149	0.142	0.182	0.198	0.230	0.217	0.284	0.233	0.312	0.295	0.273	0.294	0.252	
STATION	2+000		2+100				2+200				2+250				

REVISION:		
No.	Description	Date
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ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



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PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 2+000-2+250

SCALE IN A3: H1/1000 VI/100

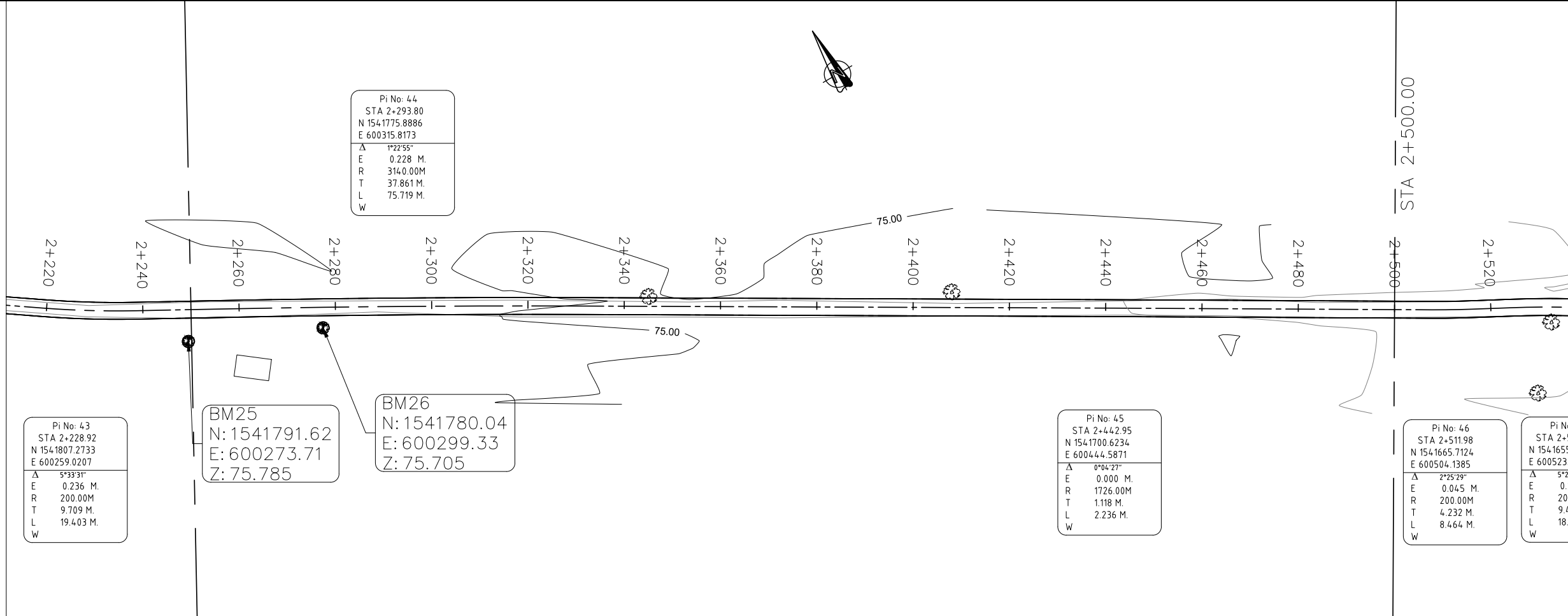
DATE: \_\_\_\_\_

DRAWING No.: \_\_\_\_\_

LAO - NKS

C-122

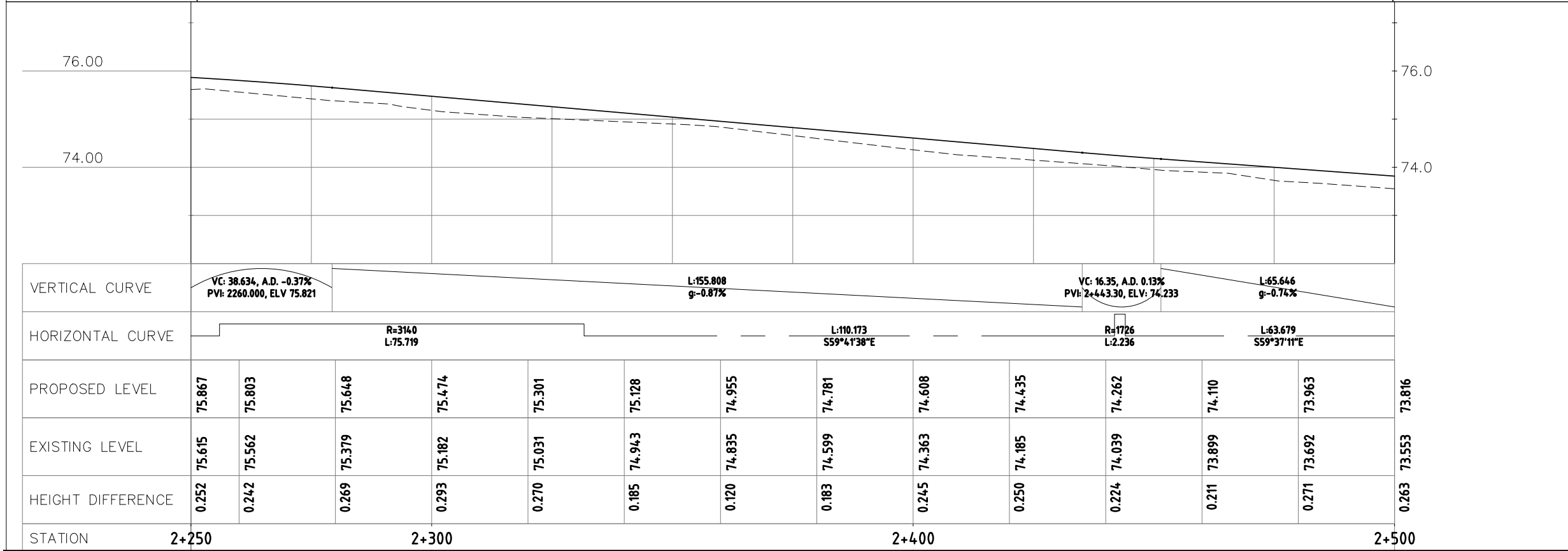
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
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- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
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A	Plan and Profile	3-10-18


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DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 2+250-2+500

SCALE IN A3: H1/1000  
 V1/100

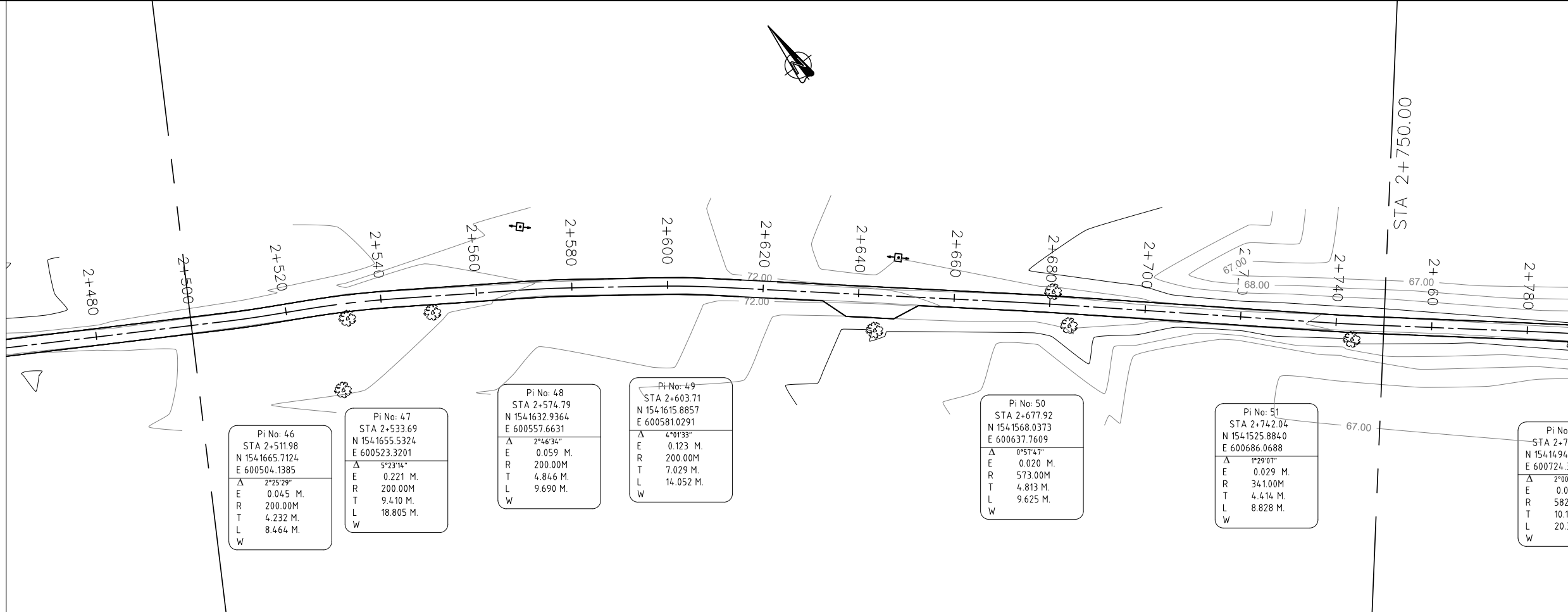
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DRAWING No.: \_\_\_\_\_

LAO - NKS

C-123

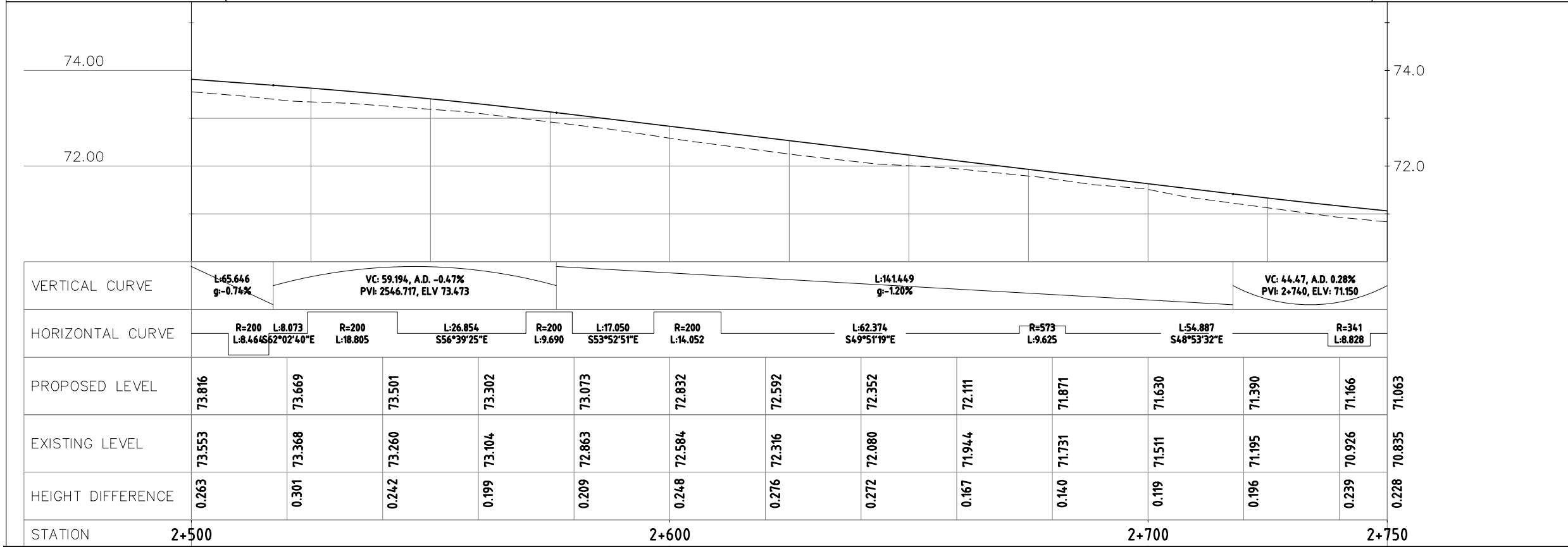
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
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- CONCRETE HOUSE (ONE STOREY)
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- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
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 Reviewed: \_\_\_\_\_  
 TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR  
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**CADTIS**

**LAC-Asean Engineering Consultants**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 2+500-2+750

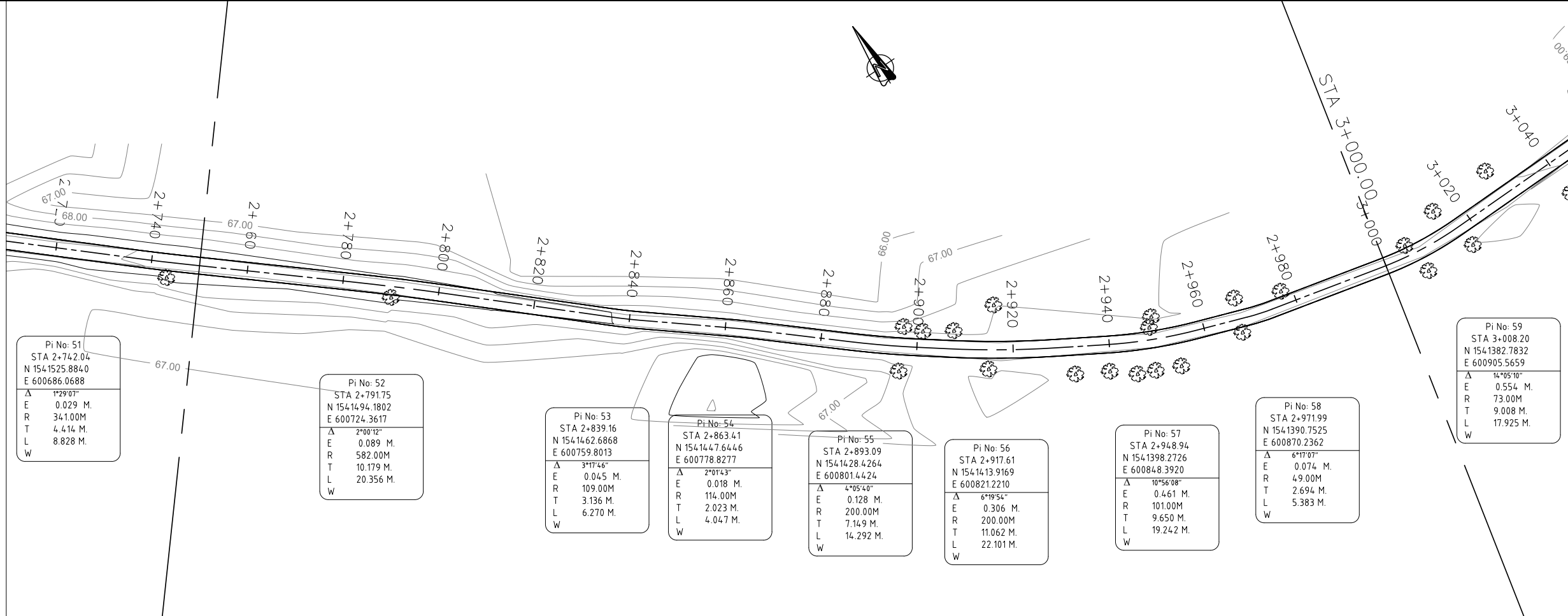
SCALE IN A3: H1/1000  
 V1/100

DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

C-124

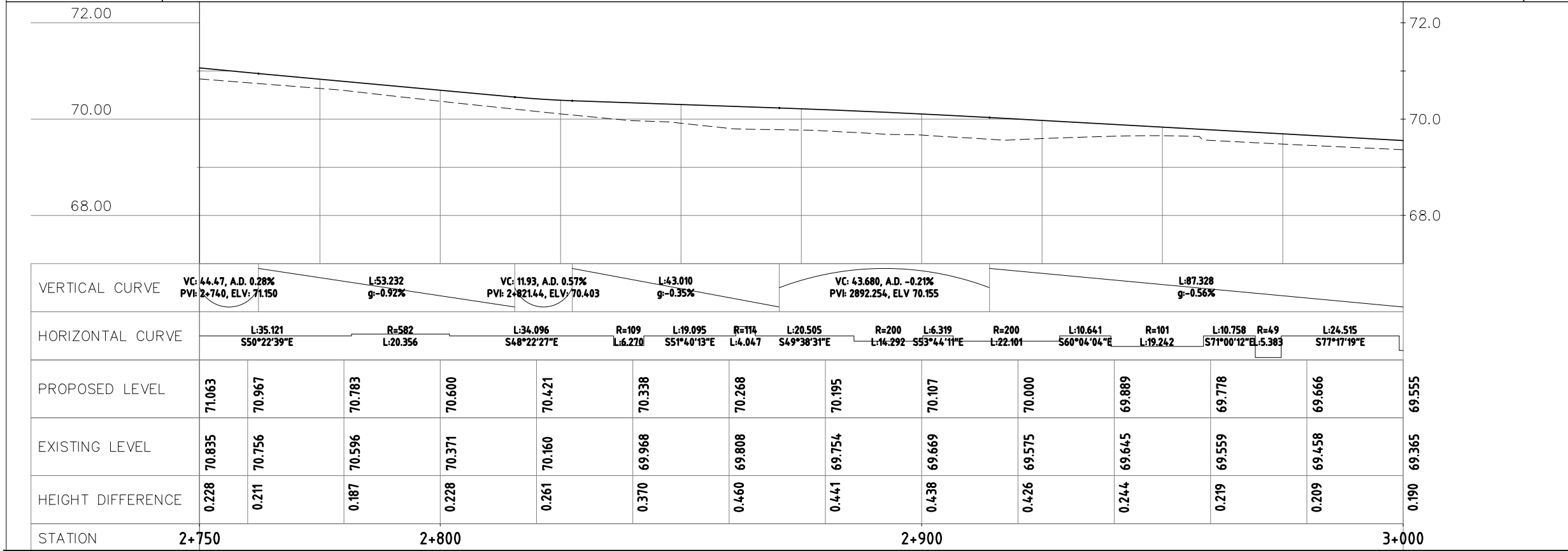
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
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- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

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 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 2+750-3+000

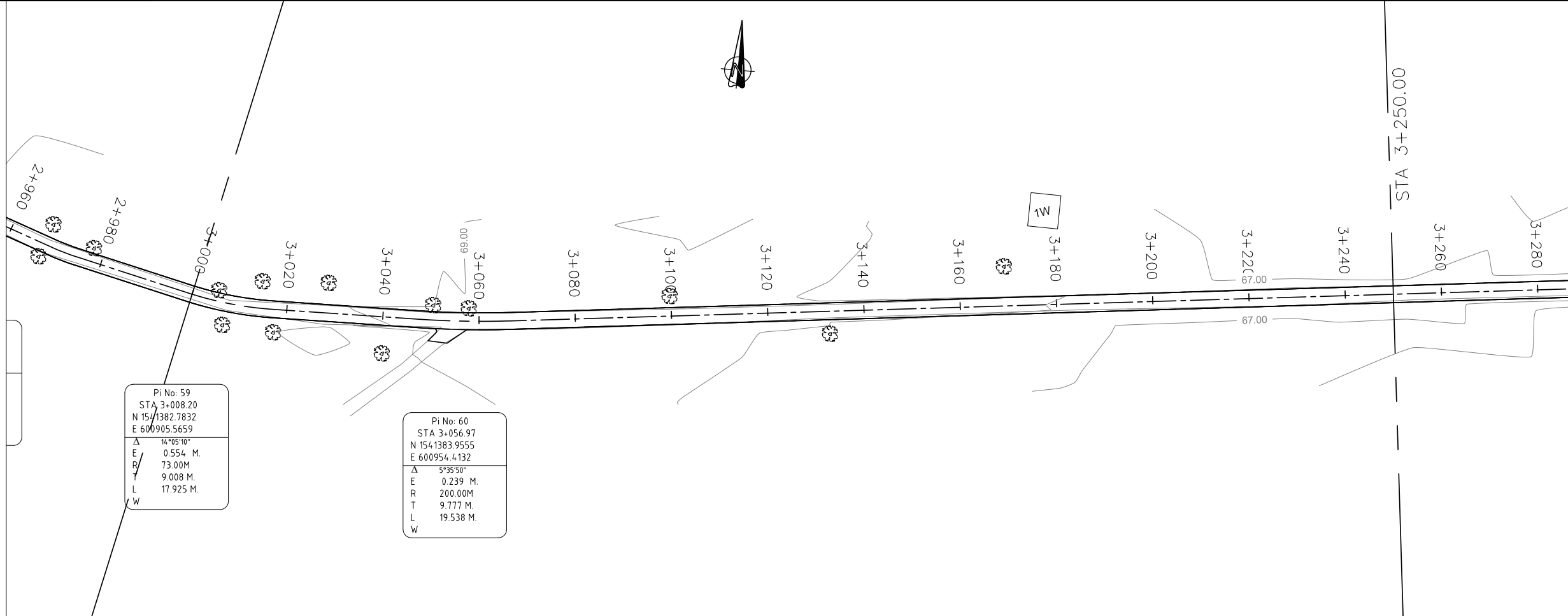
SCALE IN A3: H1/1000 VI/100

DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

C-125

PLAN VIEW



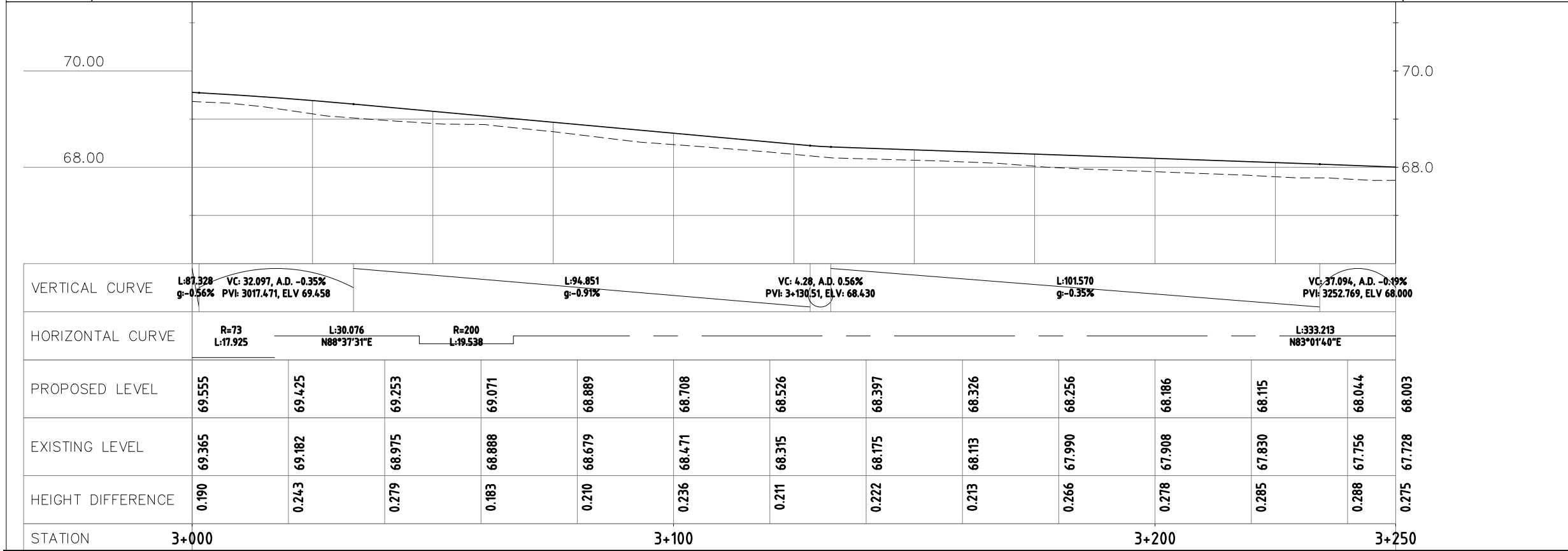
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 E 600905.5659  
 Δ 14°05'10"  
 E 0.554 M.  
 R 73.00M  
 T 9.008 M.  
 L 17.925 M.  
 W

Pi No: 60  
 STA 3+056.97  
 N 1541383.9555  
 E 600954.4132  
 Δ 5°35'50"  
 E 0.239 M.  
 R 200.00M  
 T 9.777 M.  
 L 19.538 M.  
 W

LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
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 Reviewed: \_\_\_\_\_  
  
 TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR  
  
 LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



**Norconsult**

**CADTIS**

**LAC-Asean Engineering Consultants Sole CO., LTD**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 3+000-3+250

SCALE IN A3: H1/1000  
 V1/100

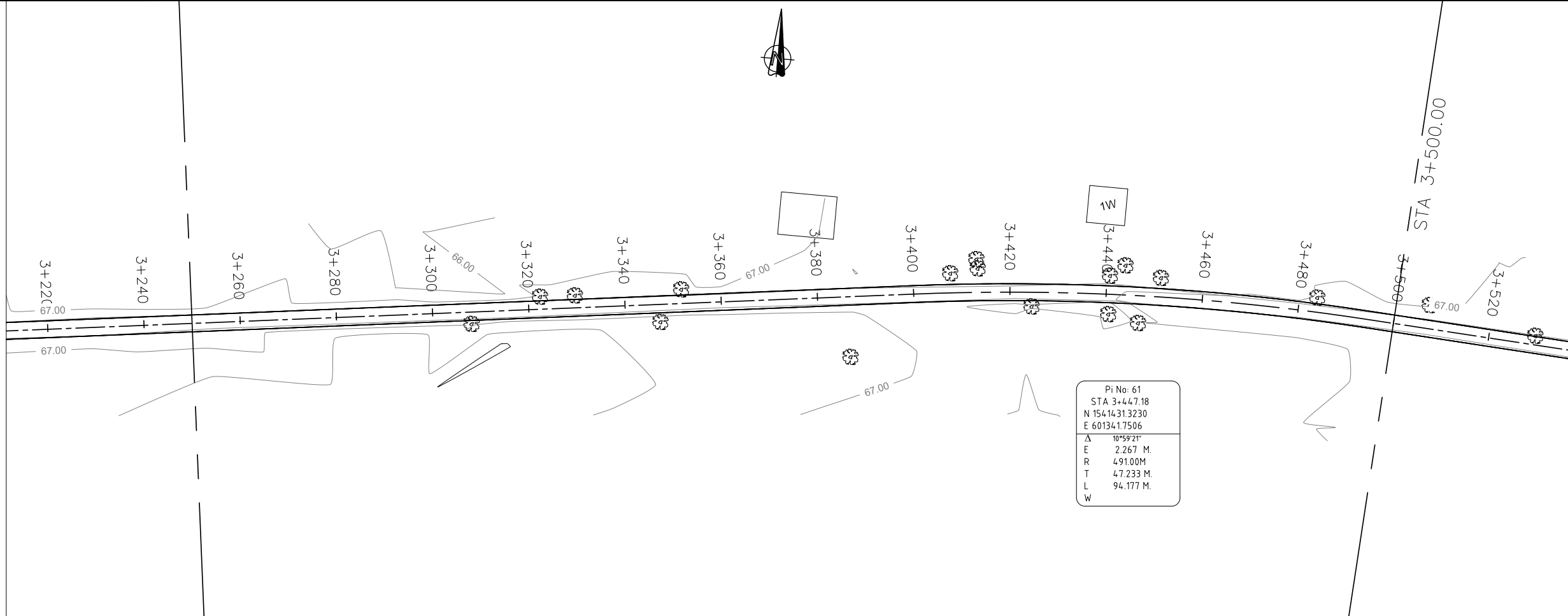
DATE: \_\_\_\_\_

DRAWING No.: \_\_\_\_\_

LAO - NKS

C-126

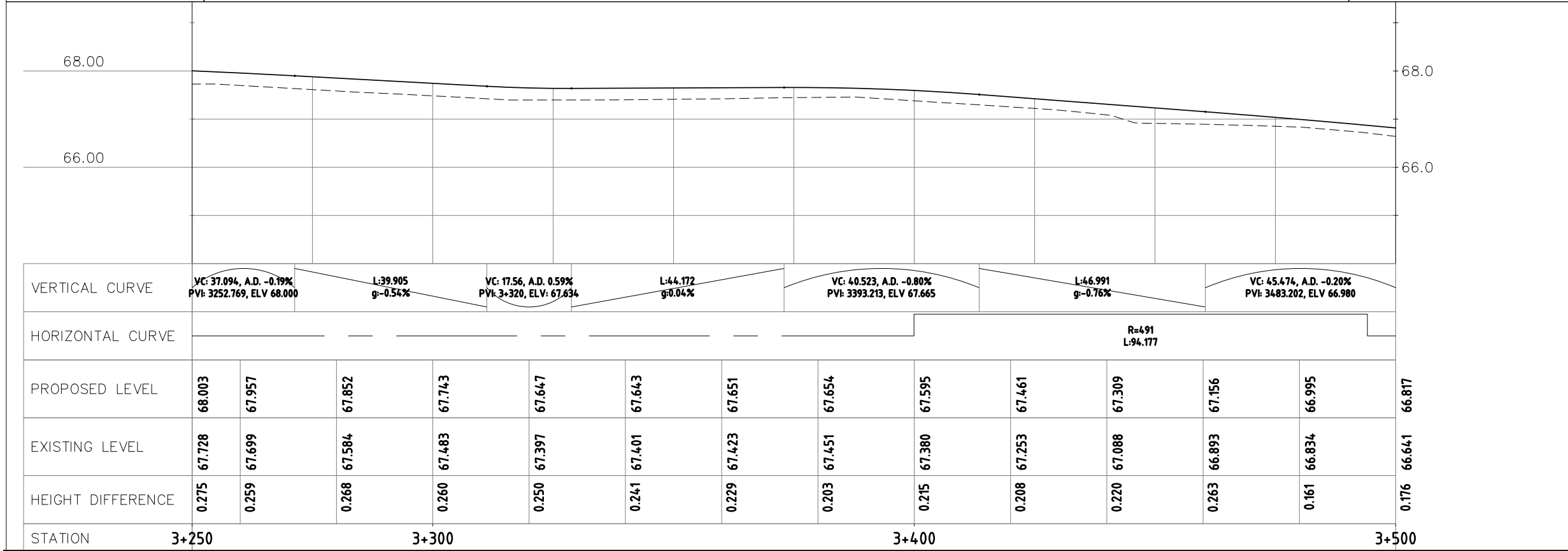
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE


PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
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 Reviewed: \_\_\_\_\_  
  
 TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR  
  
 LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

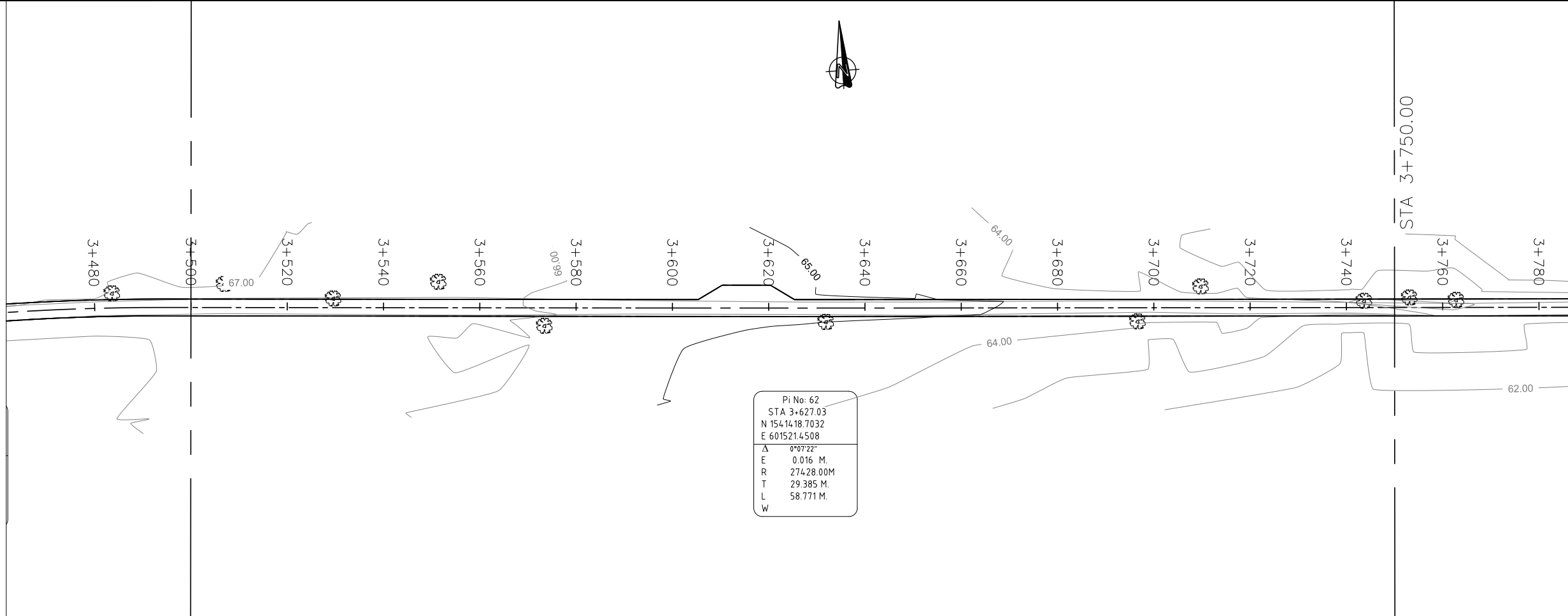






PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 DRAWING TITLE: MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 3+250-3+500  
 SCALE IN A3: H1/1000 VI/100 DATE: \_\_\_\_\_ DRAWING No.: \_\_\_\_\_  
 LAO - NKS C-127

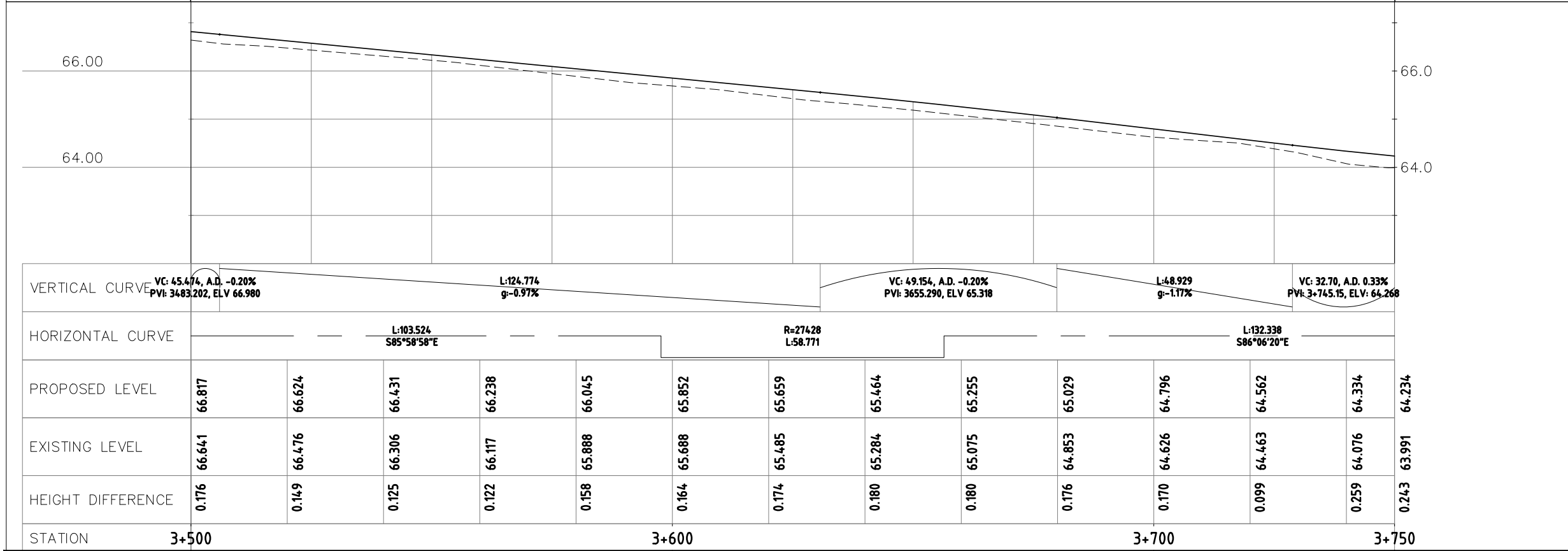
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
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- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW




REVISION:

No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_  
 TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



**Norconsult**   

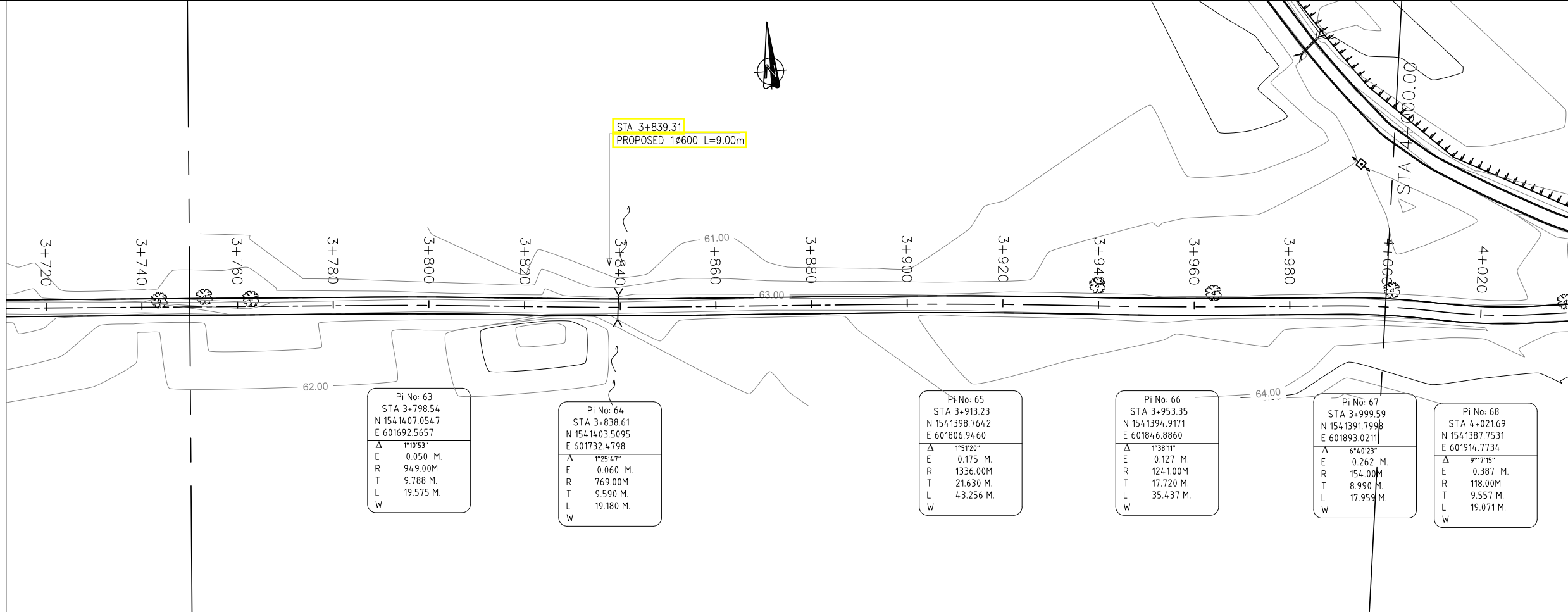
PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 3+500-3+750

SCALE IN A3: H1/1000 VI/100 DATE: \_\_\_\_\_ DRAWING No.: LAO - NKS C-128



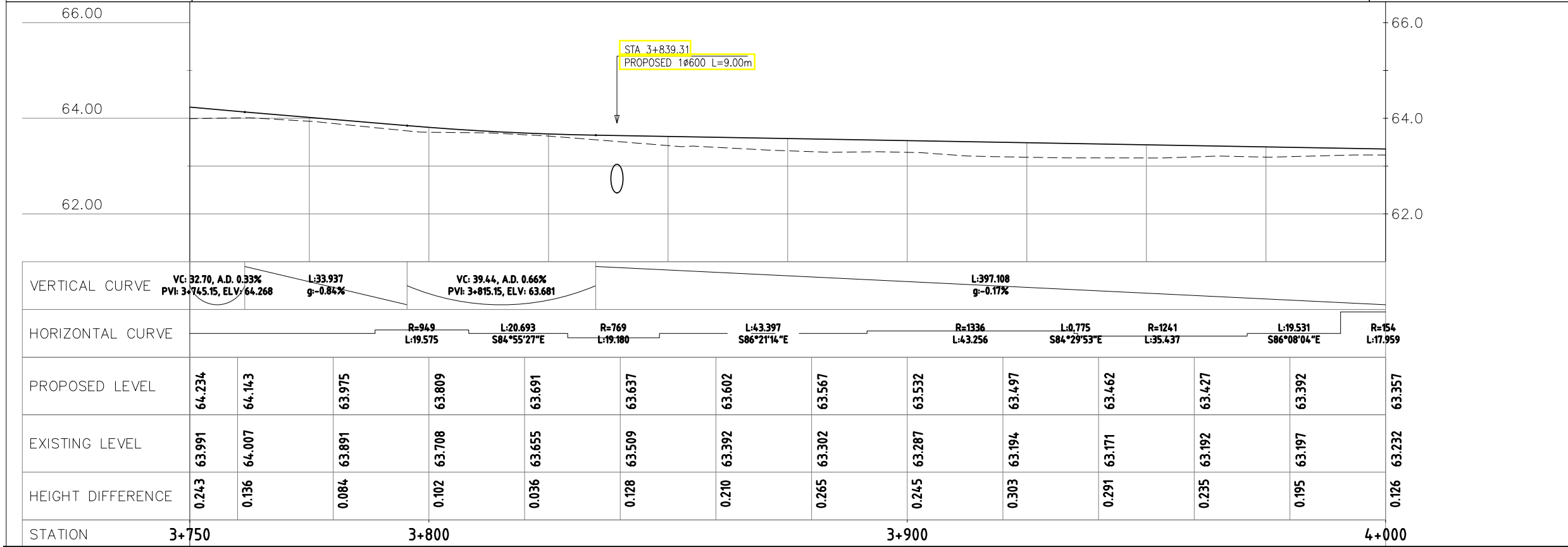
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
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PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18


Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_


TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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**Norconsult**   

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 3+750-4+000

SCALE IN A3: H1/1000  
 V1/100

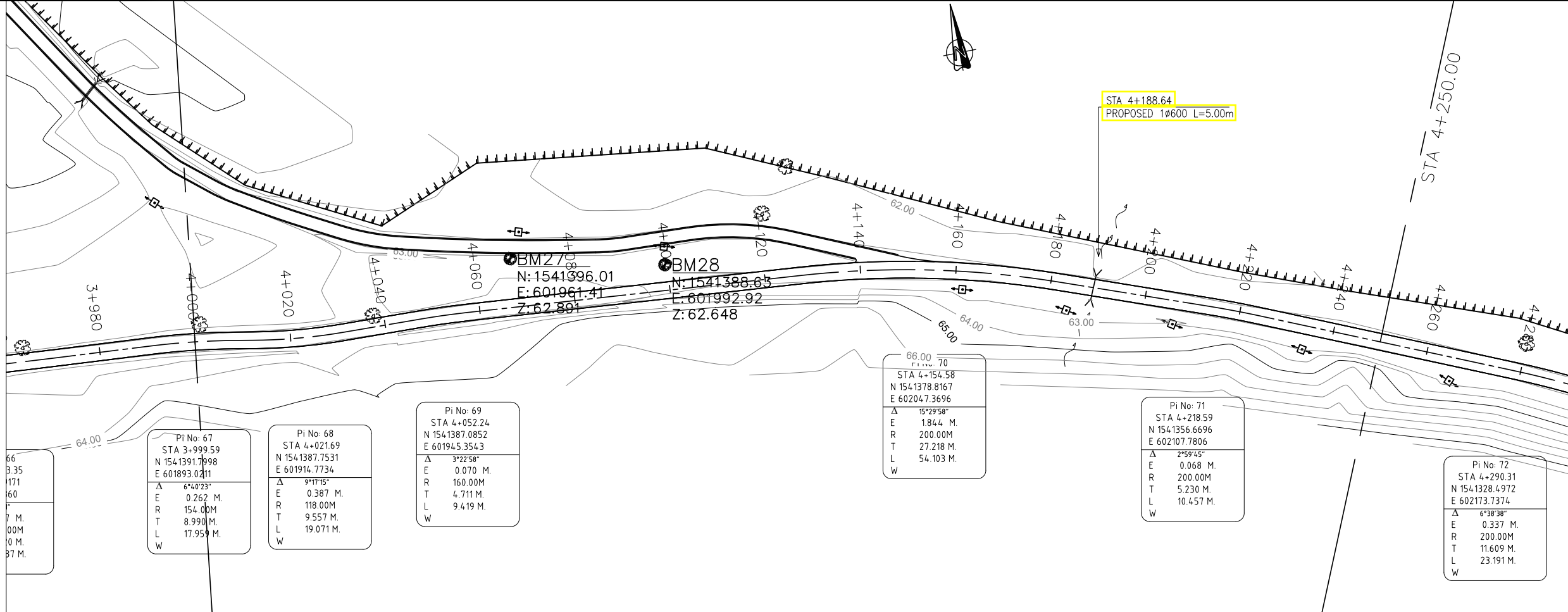
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LAO - NKS

C-129

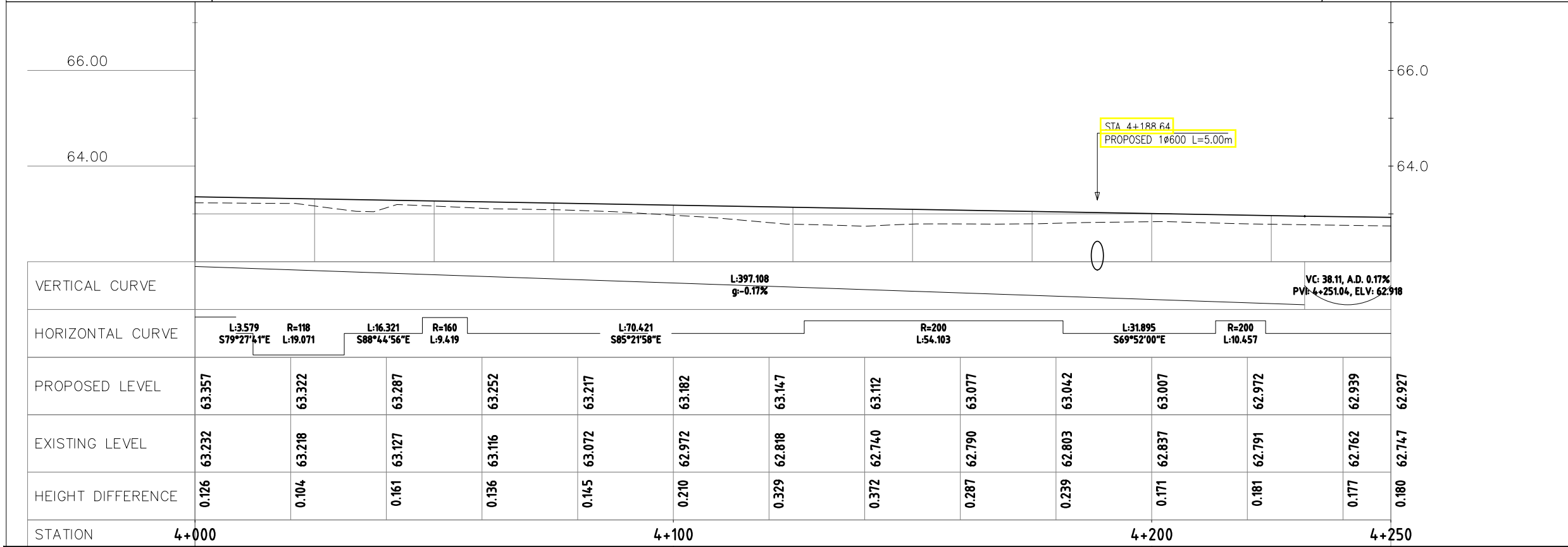
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
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- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
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ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 4+000-4+250

SCALE IN A3: H1/1000  
 V1/100

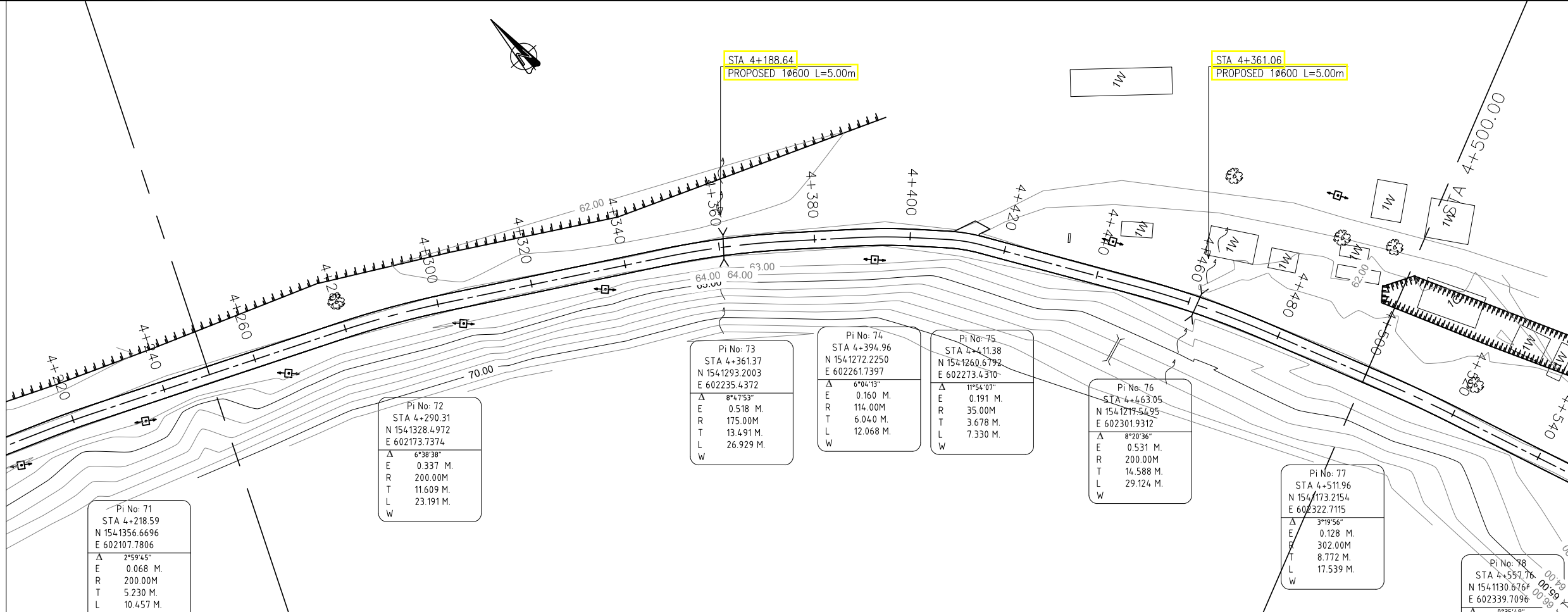
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LAO - NKS

C-130

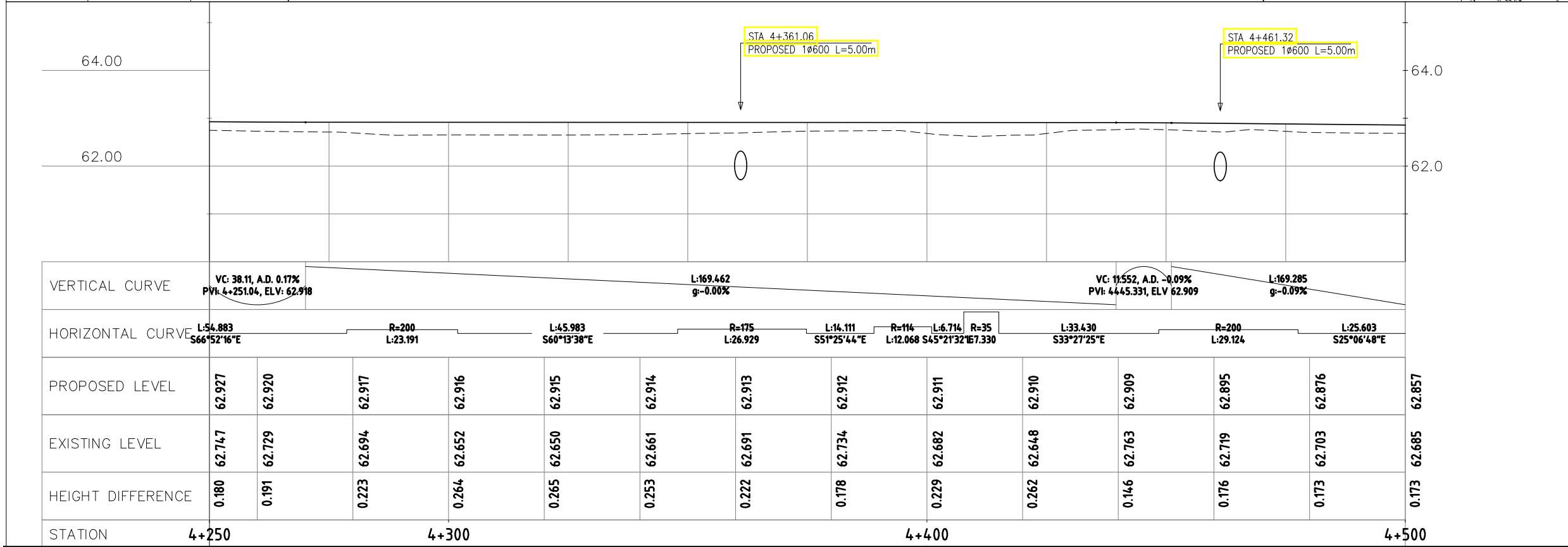
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE
- BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
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PROFILE VIEW



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A	Plan and Profile	3-10-18

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ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
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PROJECT:  
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DRAWING TITLE: MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 4+000-4+500

SCALE IN A3: H1/1000 V1/100

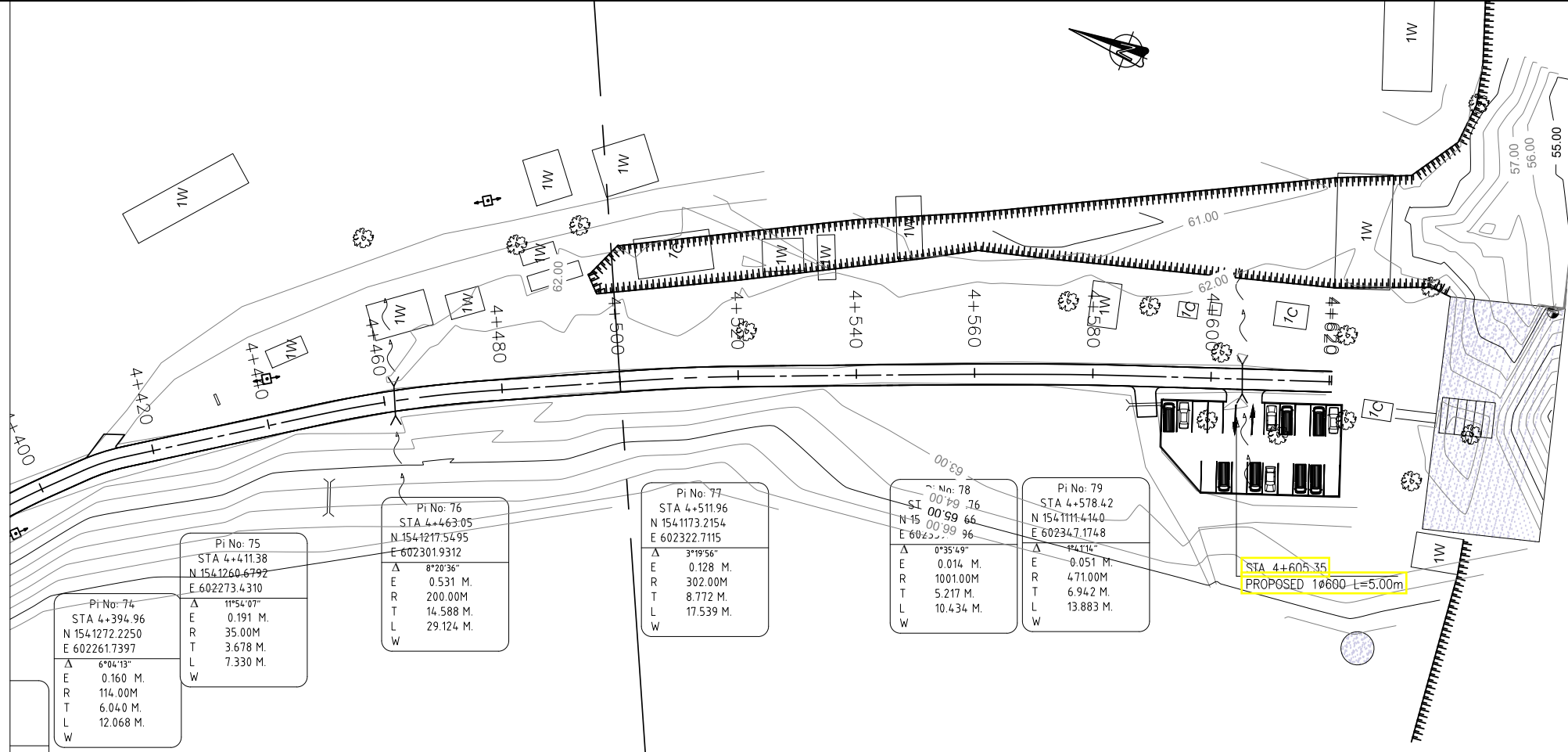
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LAO - NKS

C-131

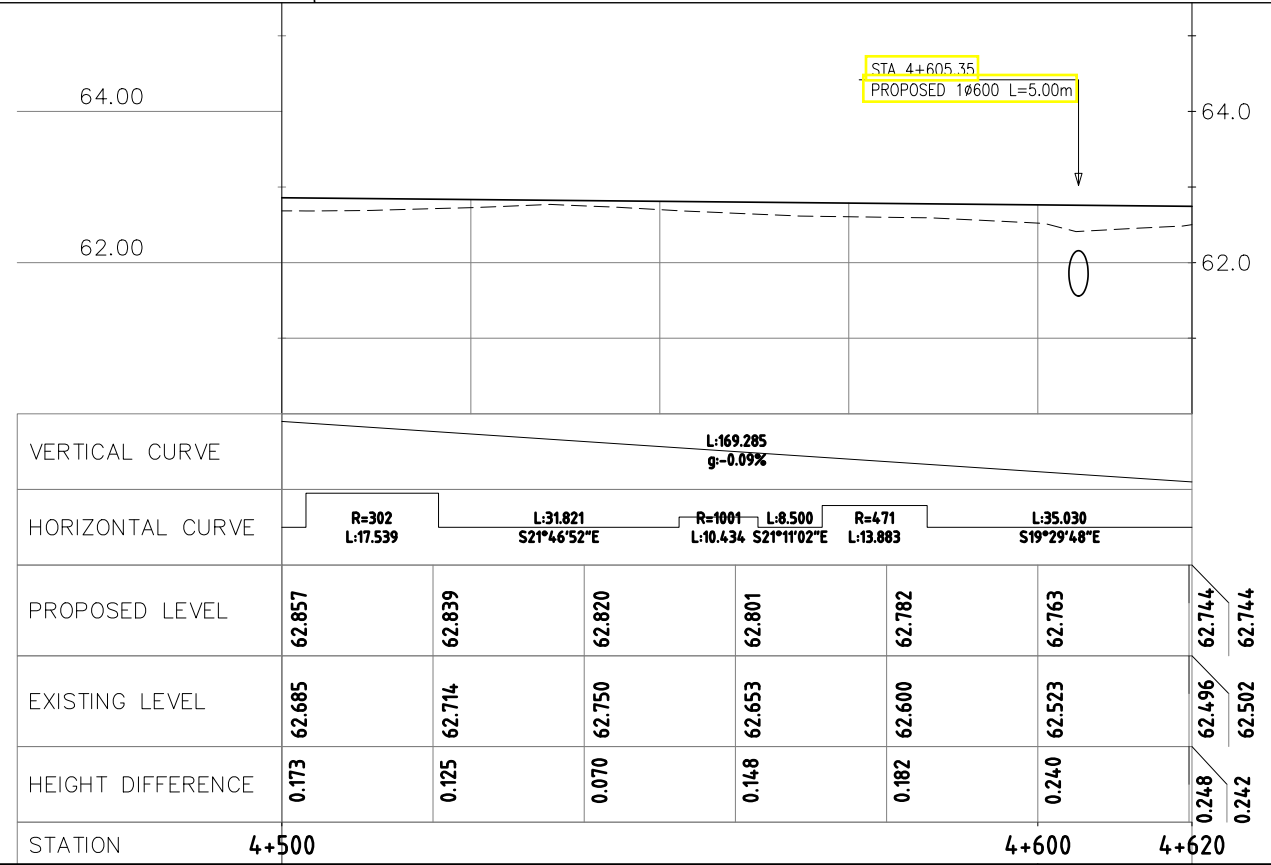
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE
- BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_  
 TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

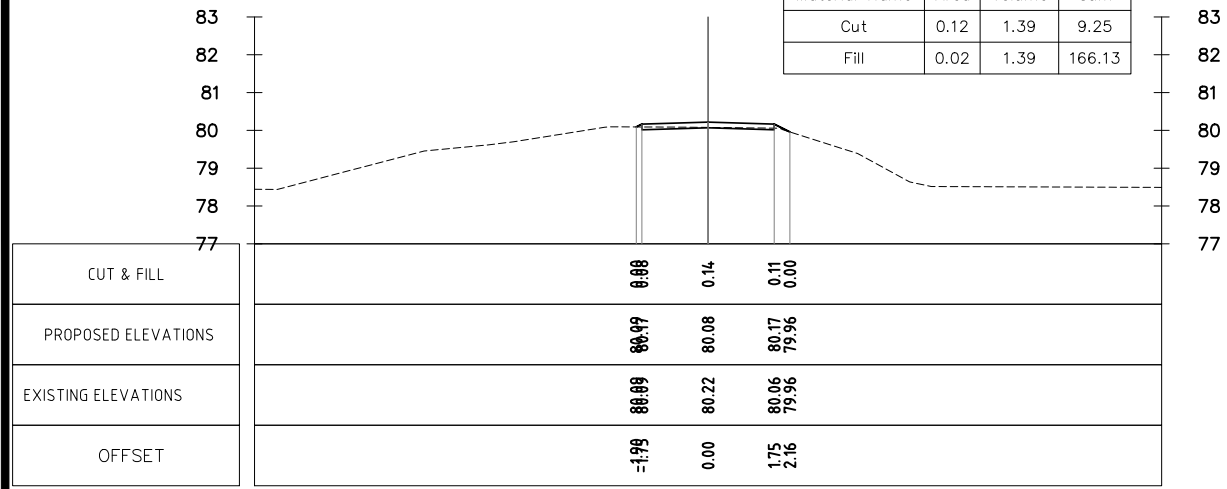
PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(IRL04) PLAN AND PROFILE Sta:km 4+500-4+620.39

SCALE IN A3: H1/1000, V1/100      DATE: \_\_\_\_\_      DRAWING No.: LAO - NKS      C-132

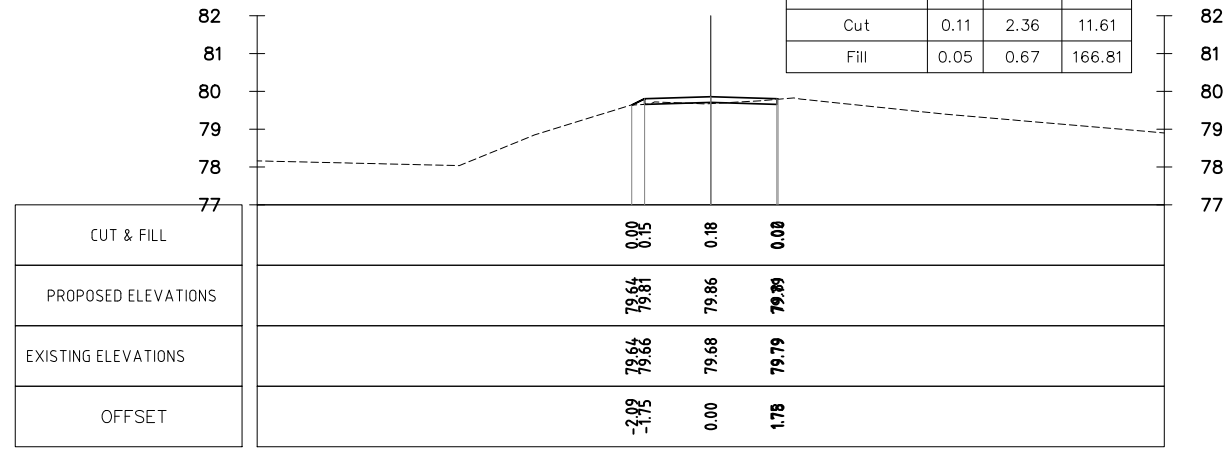
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Fill	0.02	1.39	166.13



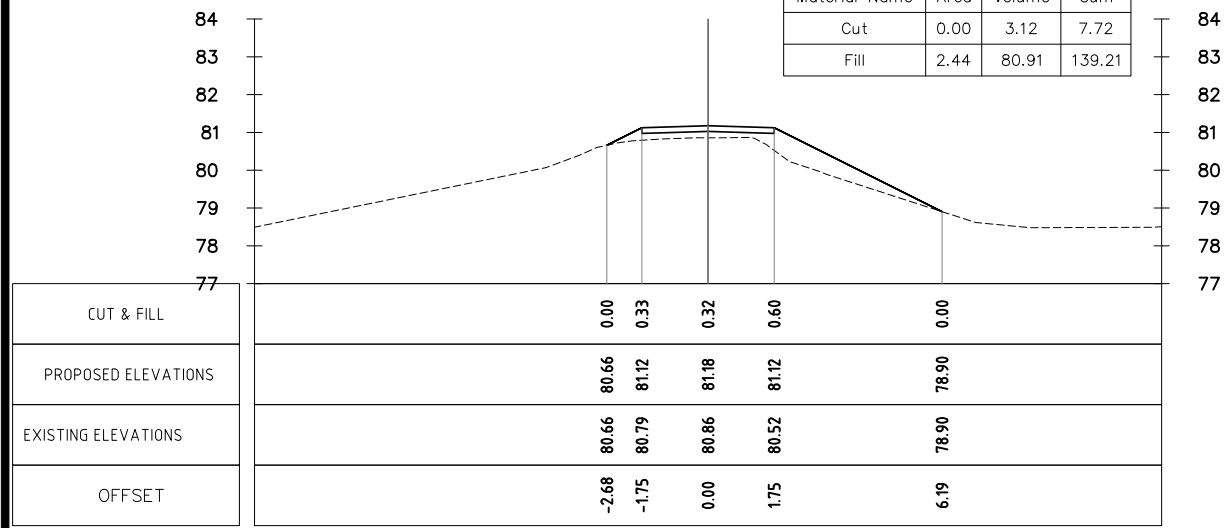
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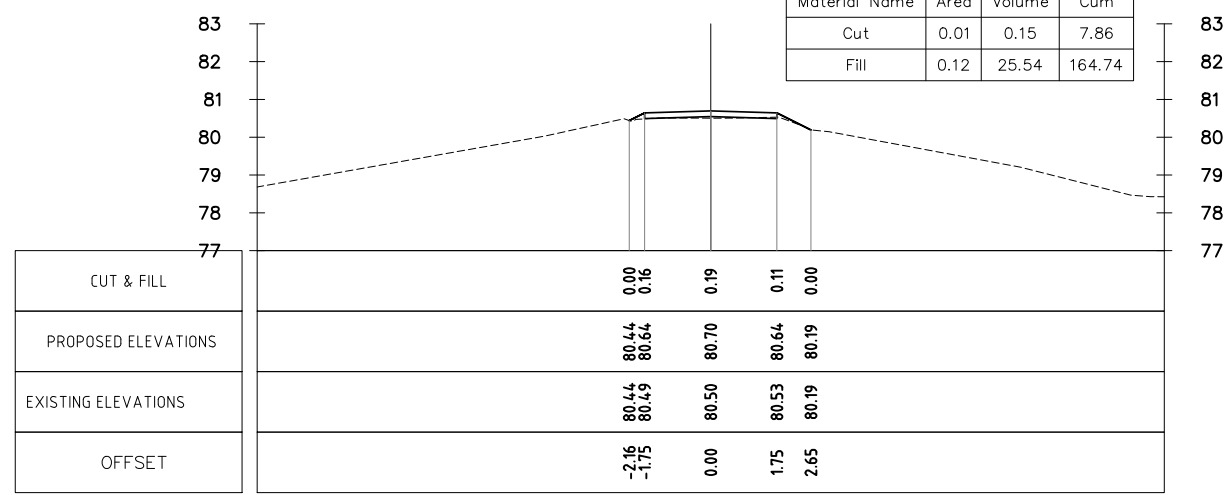
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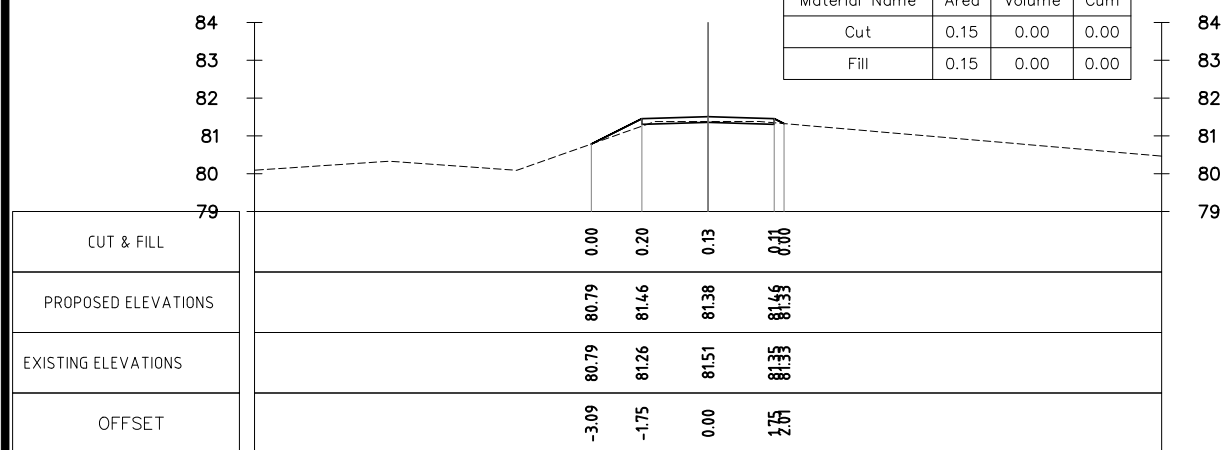
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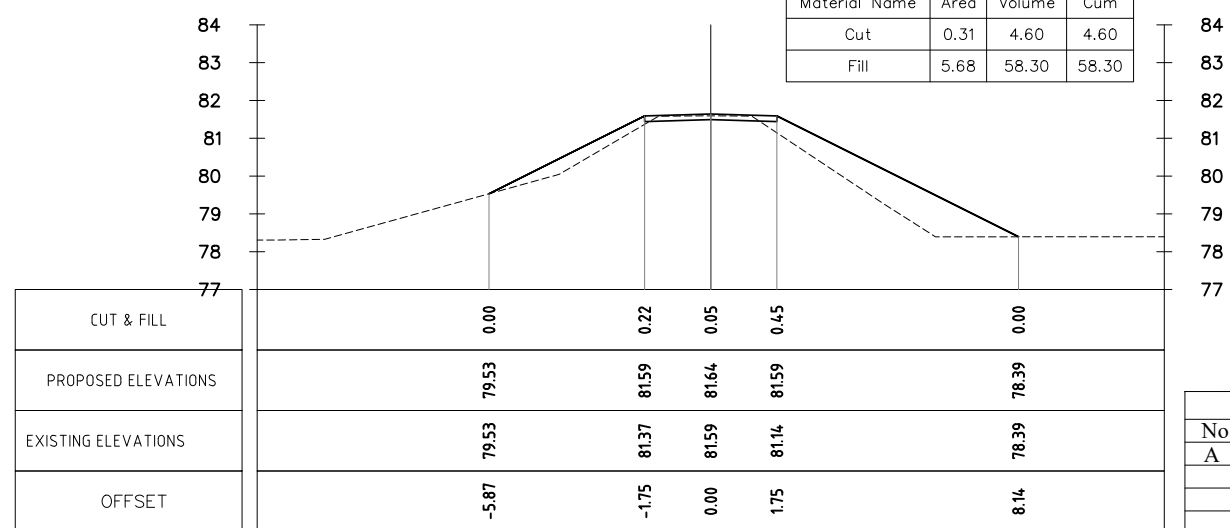
0+000.00  
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Fill	0.15	0.00	0.00



0+020.00  
CL

Material(s) at Station 0+020.00			
Material Name	Area	Volume	Cum
Cut	0.31	4.60	4.60
Fill	5.68	58.30	58.30



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR



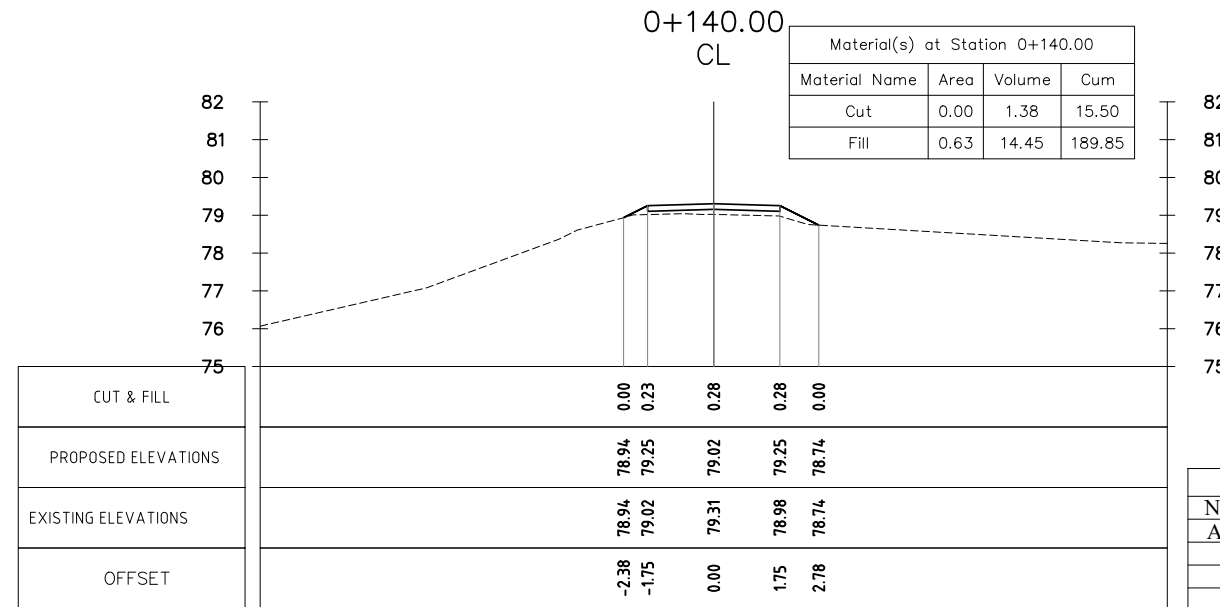
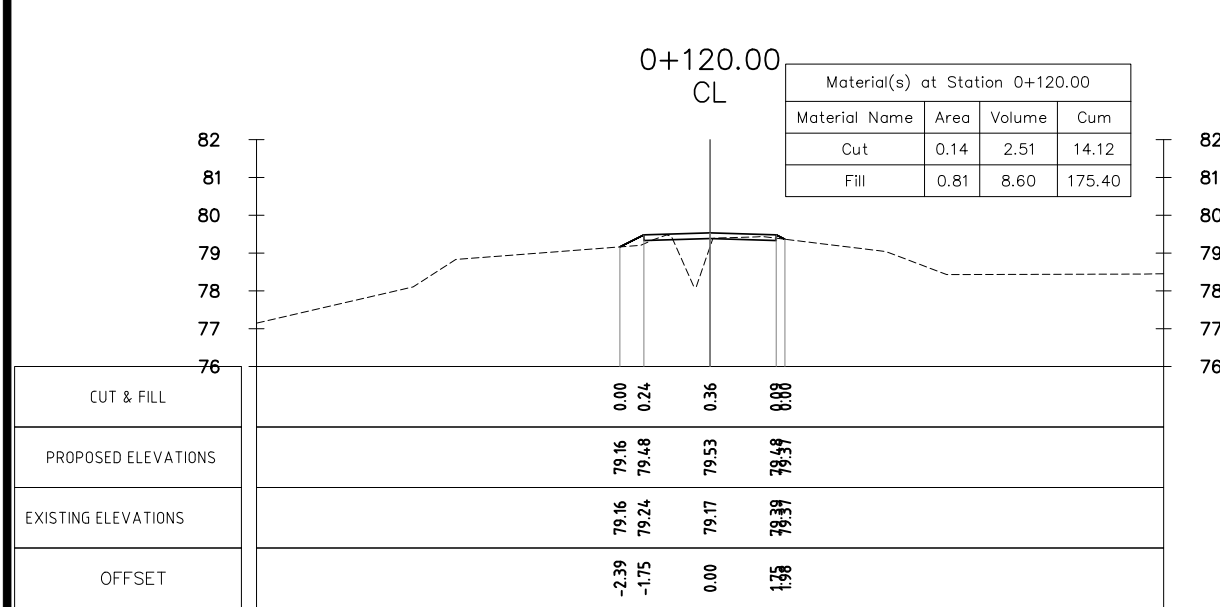
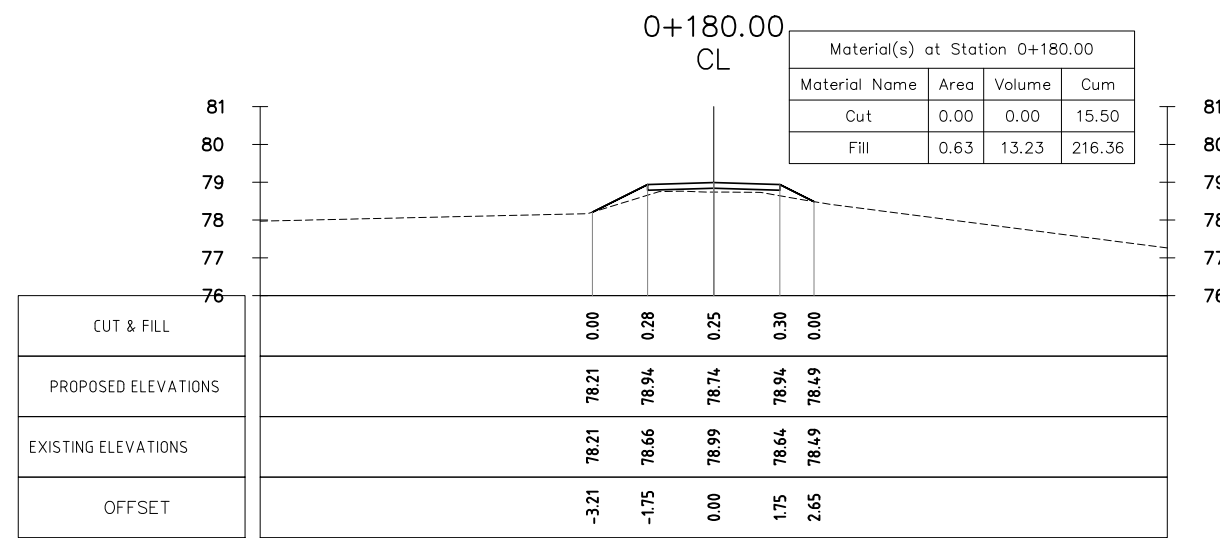
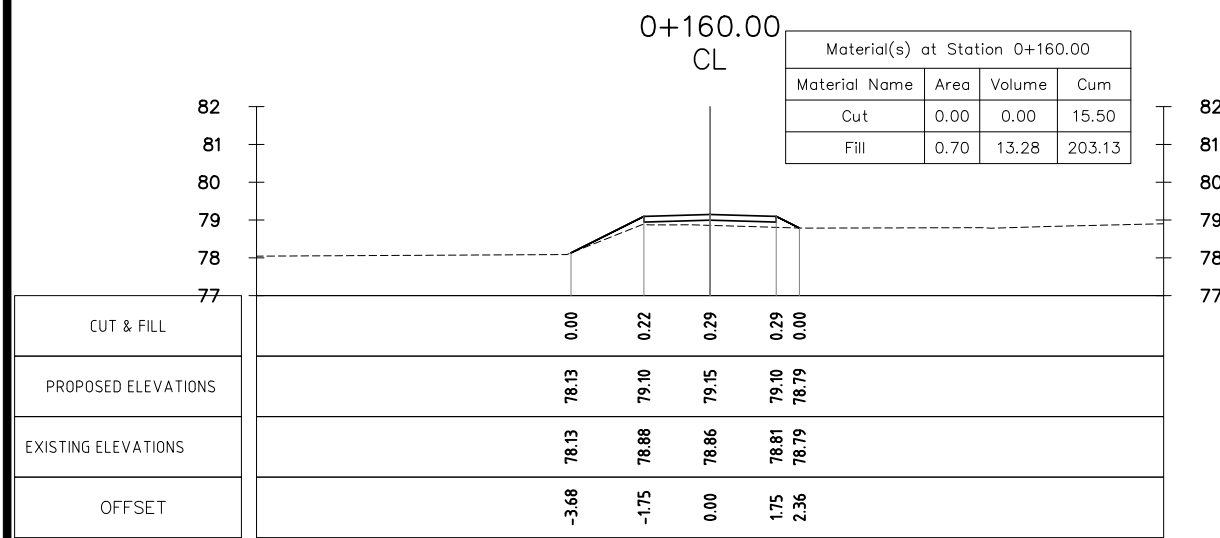
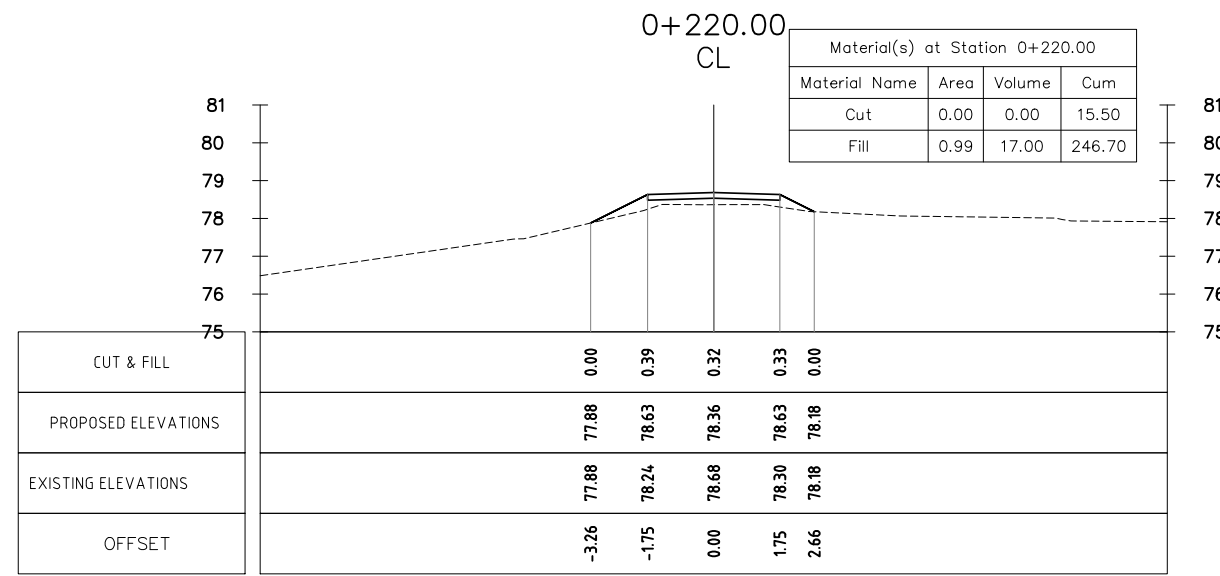
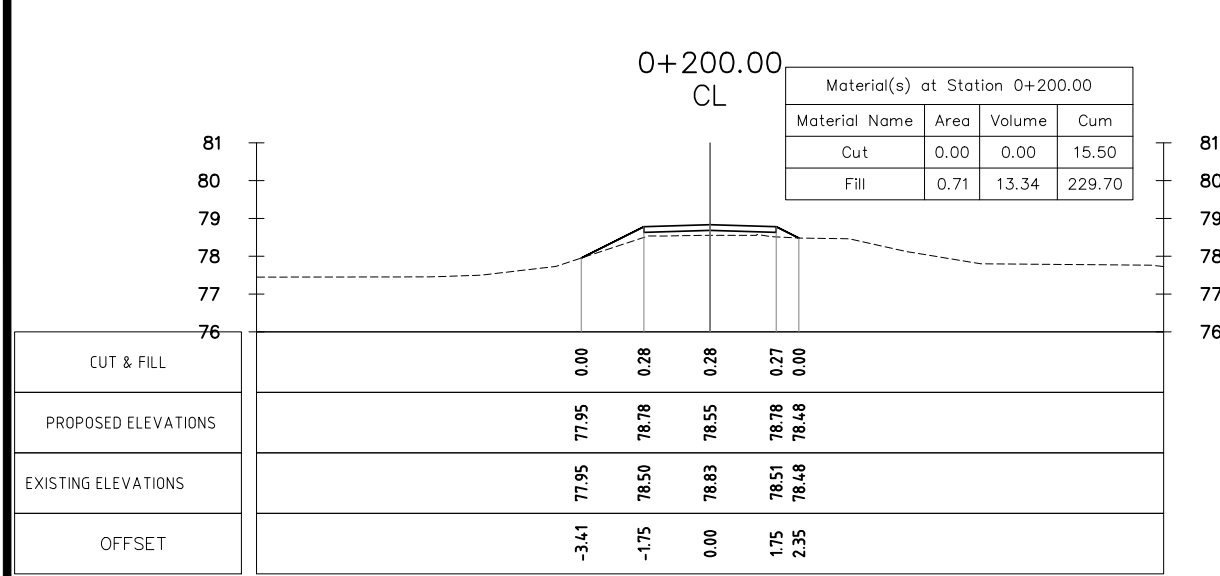
PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

TITLE:  
DATE:



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM

DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 0+000-0+100	
SCALE IN A3: 1/200	DATE :
DRAWING No. : LAO - NKS	
C-133	



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

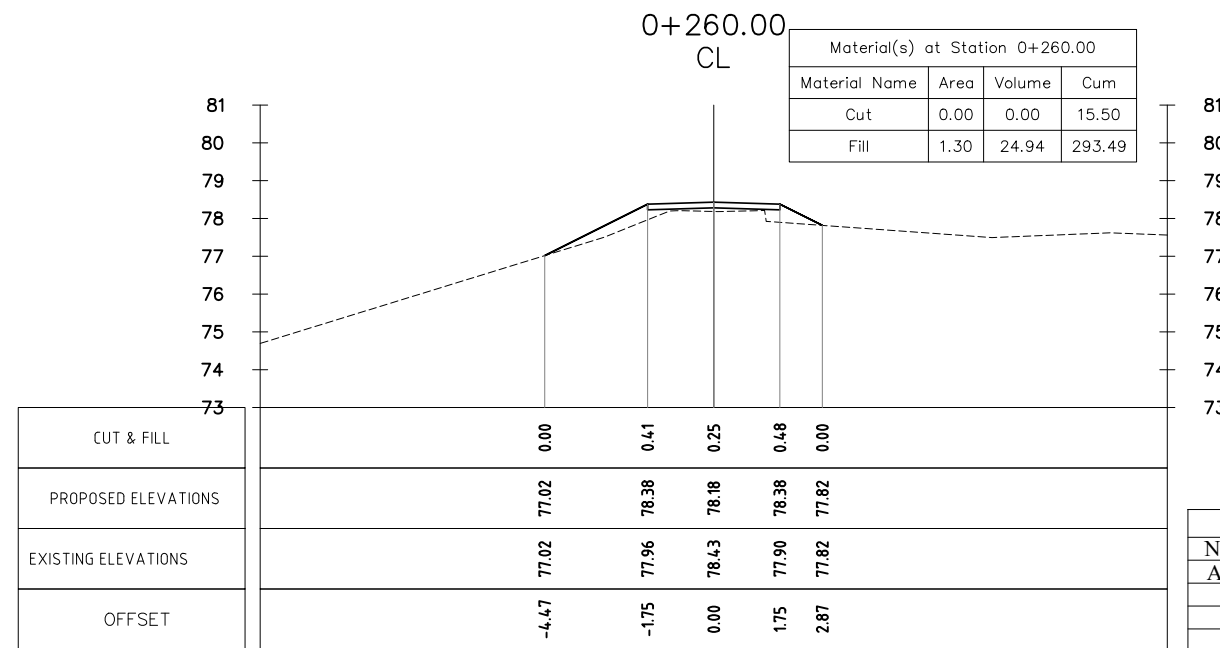
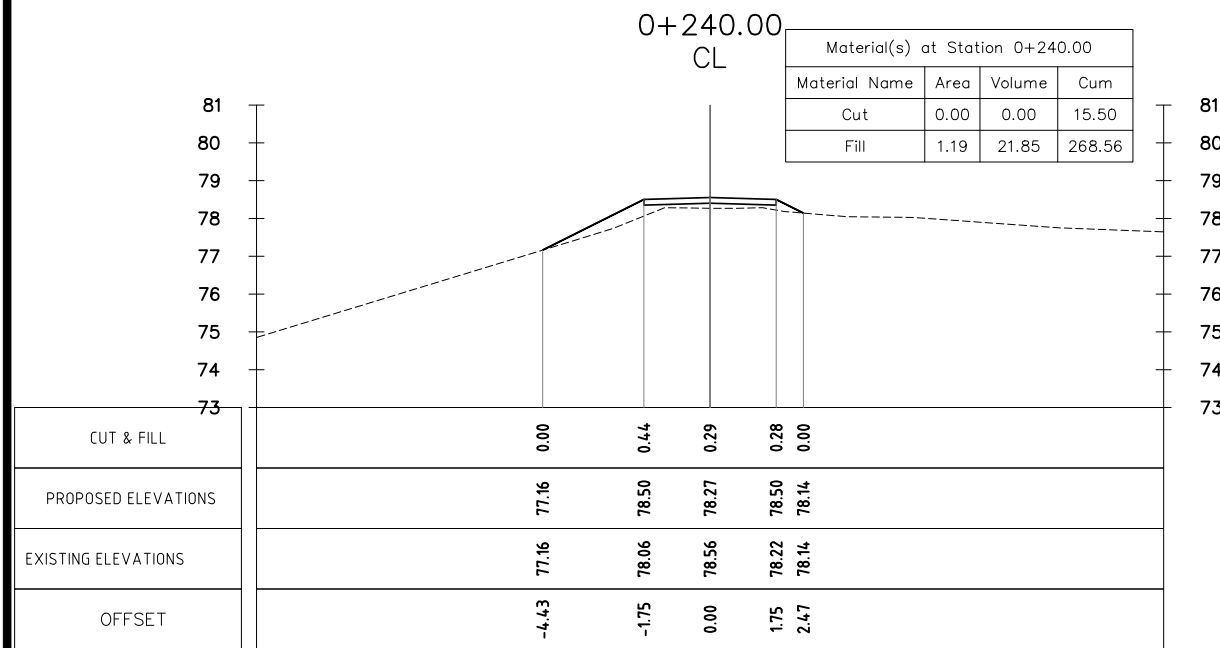
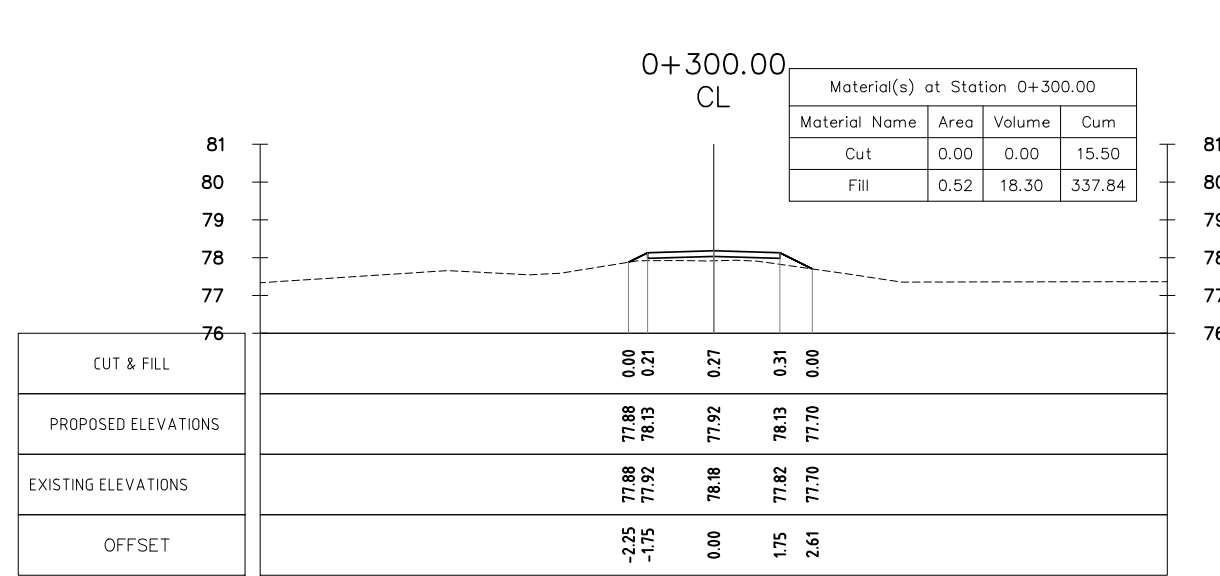
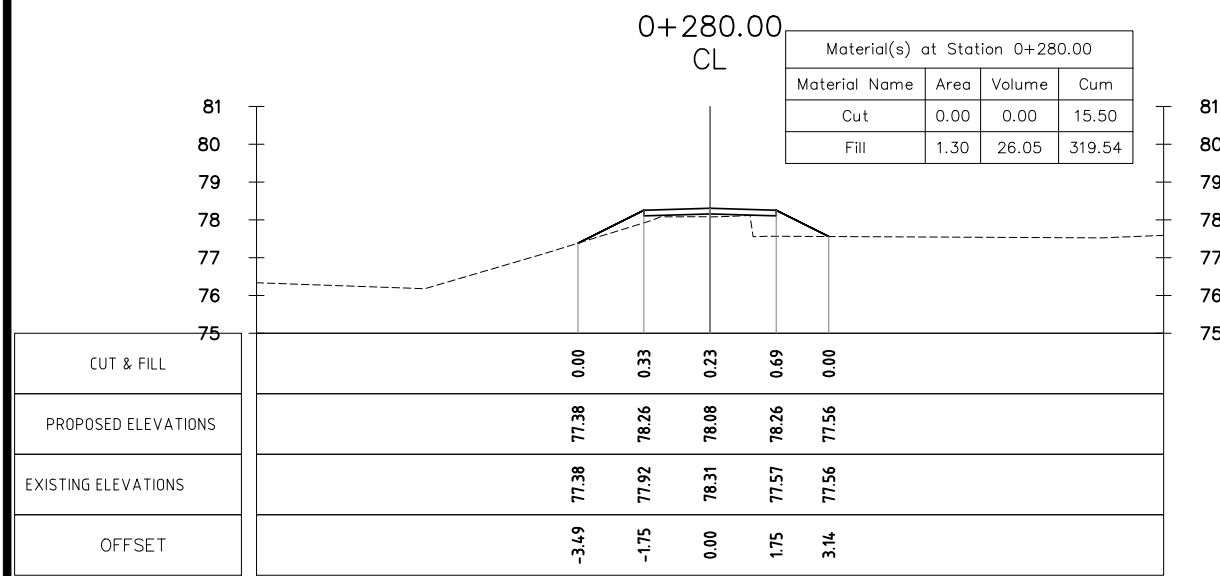
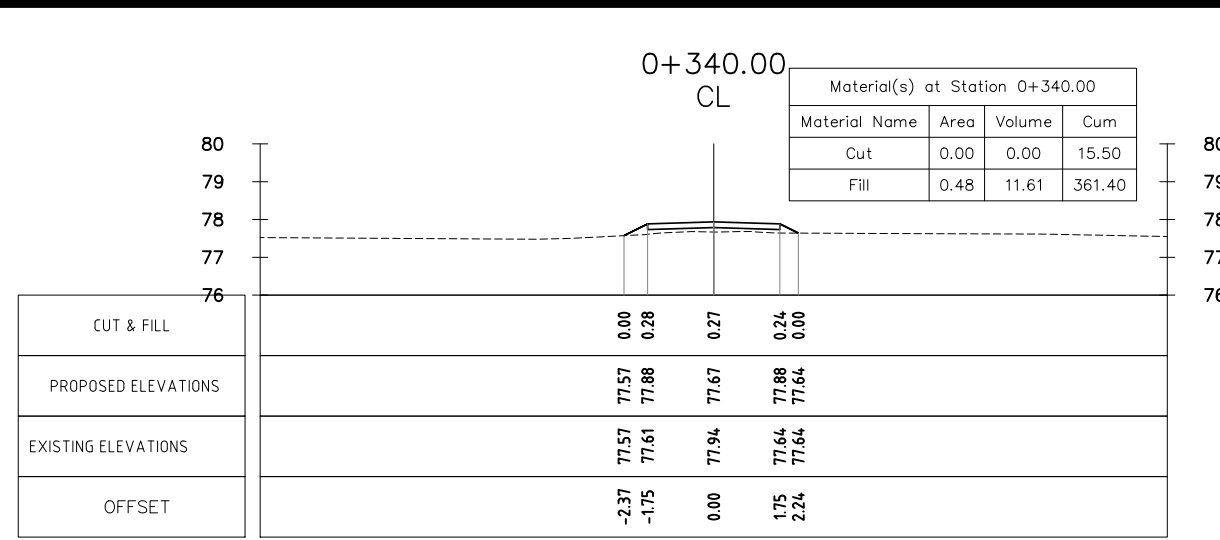
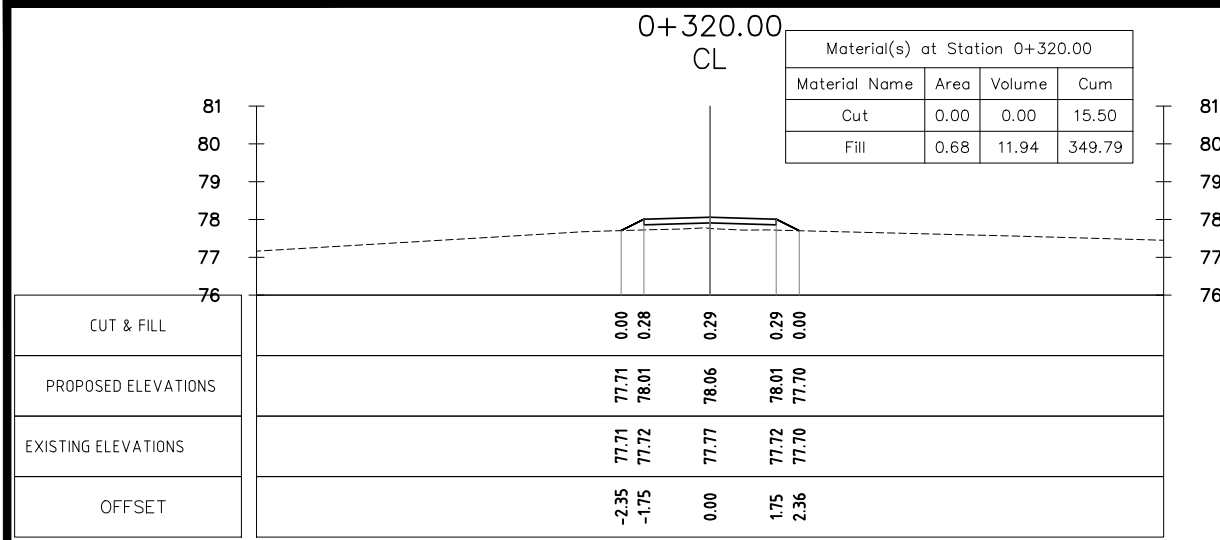
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 0+120 -0+220  
 SCALE IN A3: 1/200 DATE : DRAWING No. : LAO - NKS C-134



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

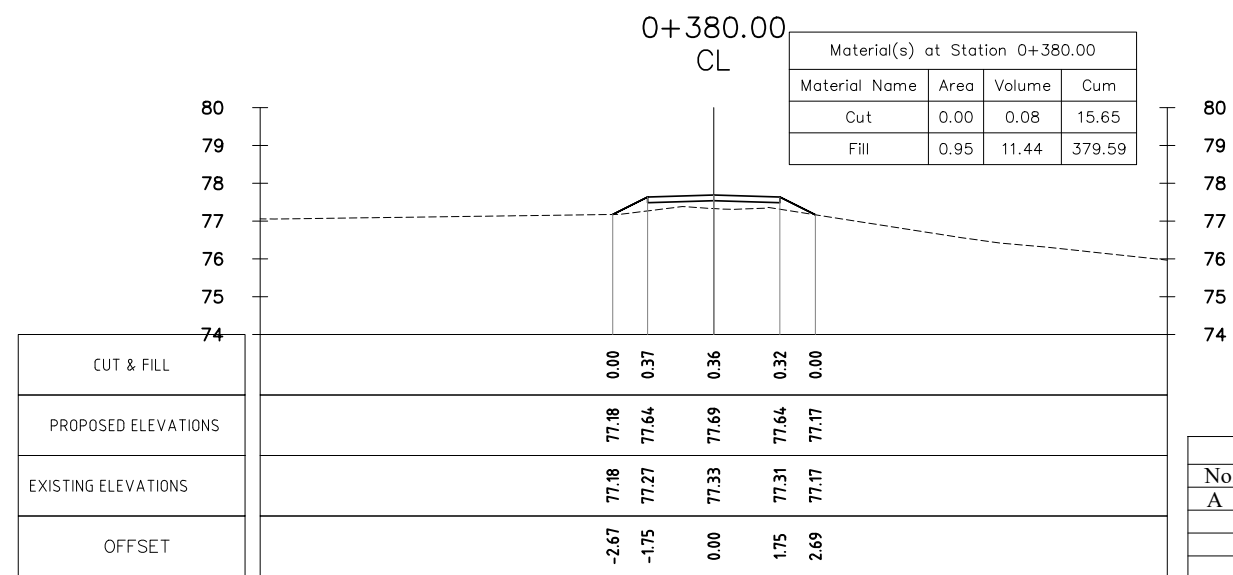
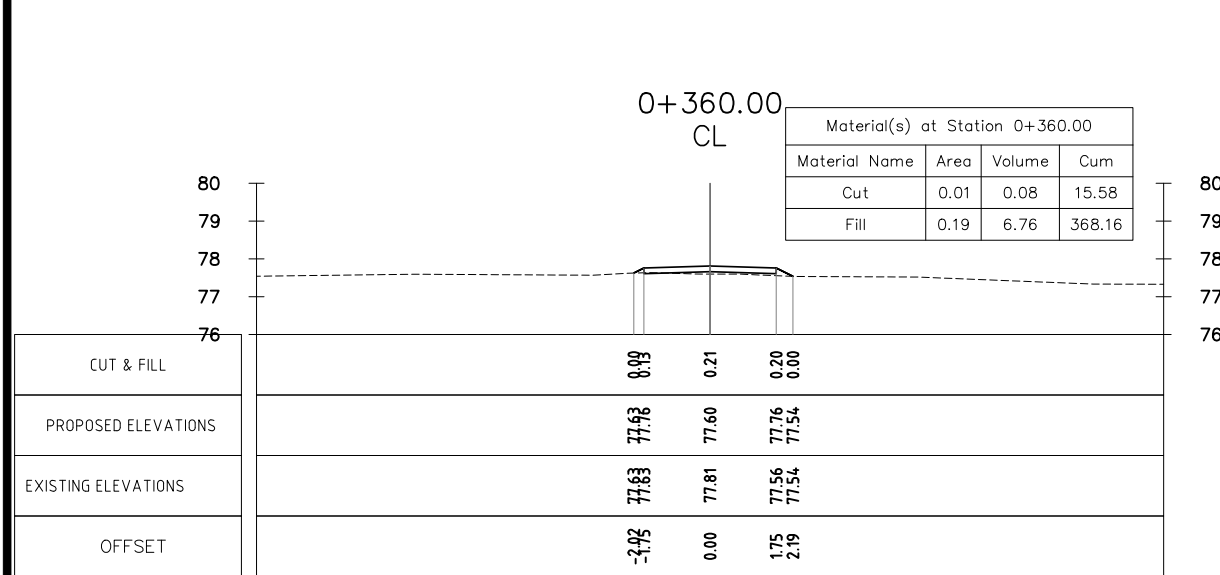
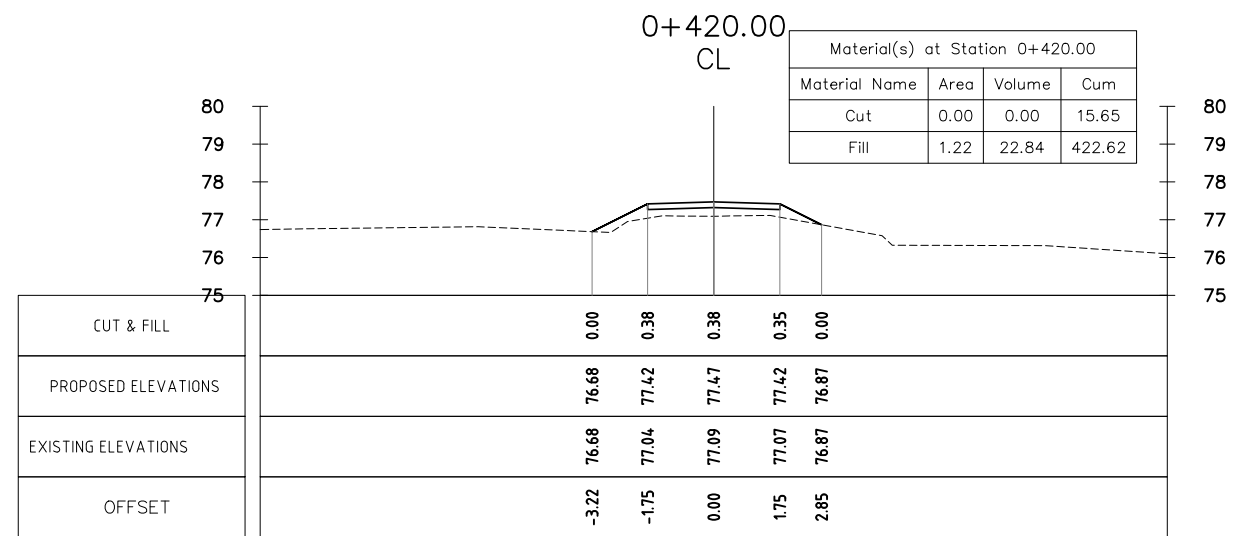
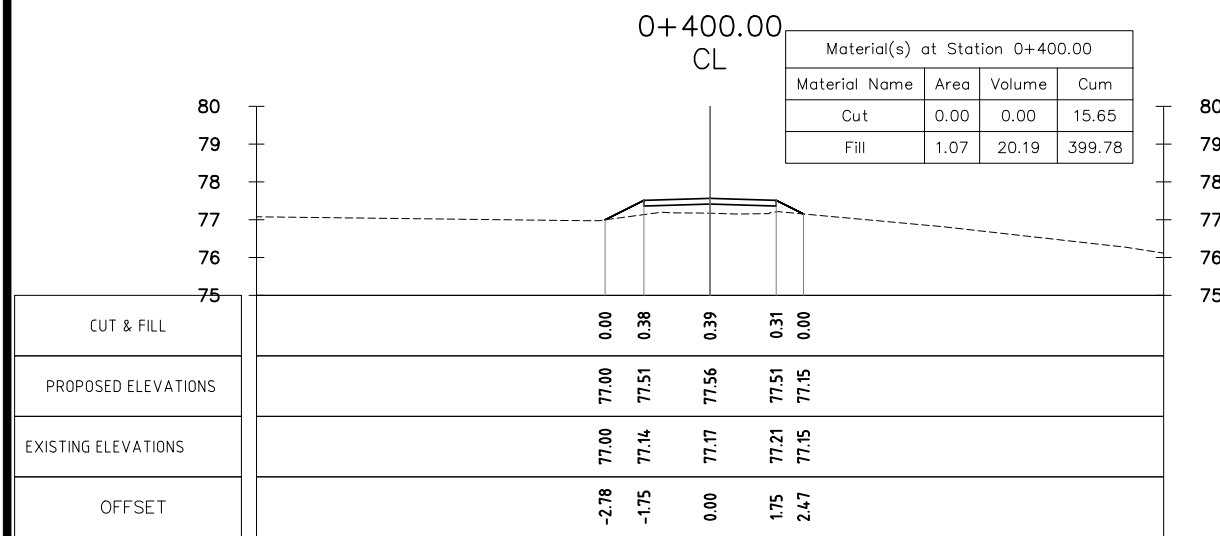
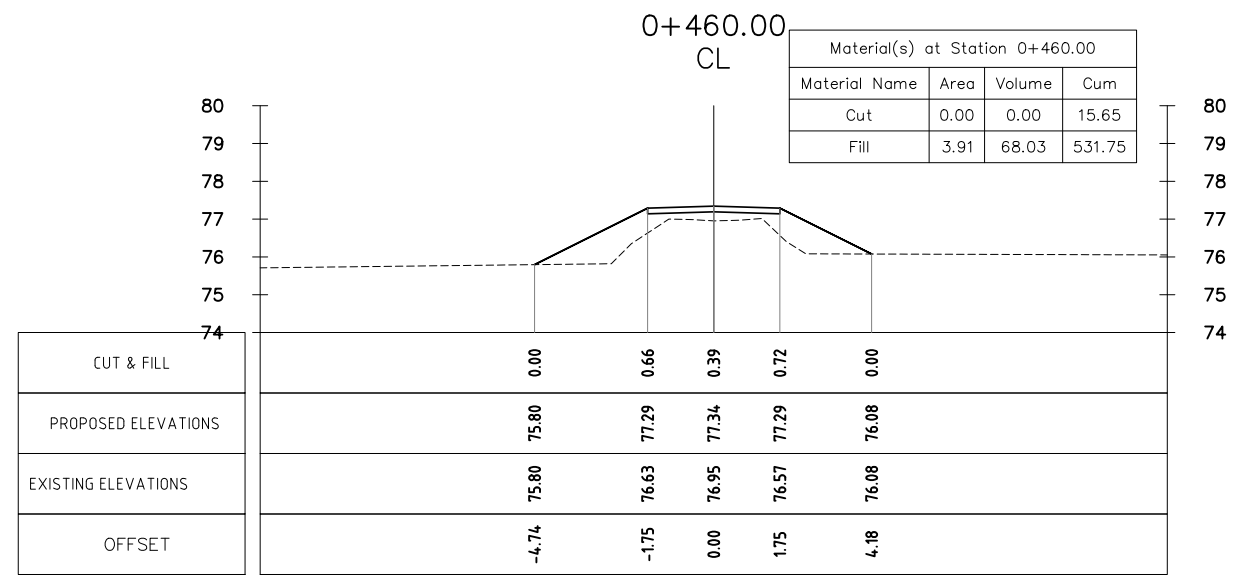
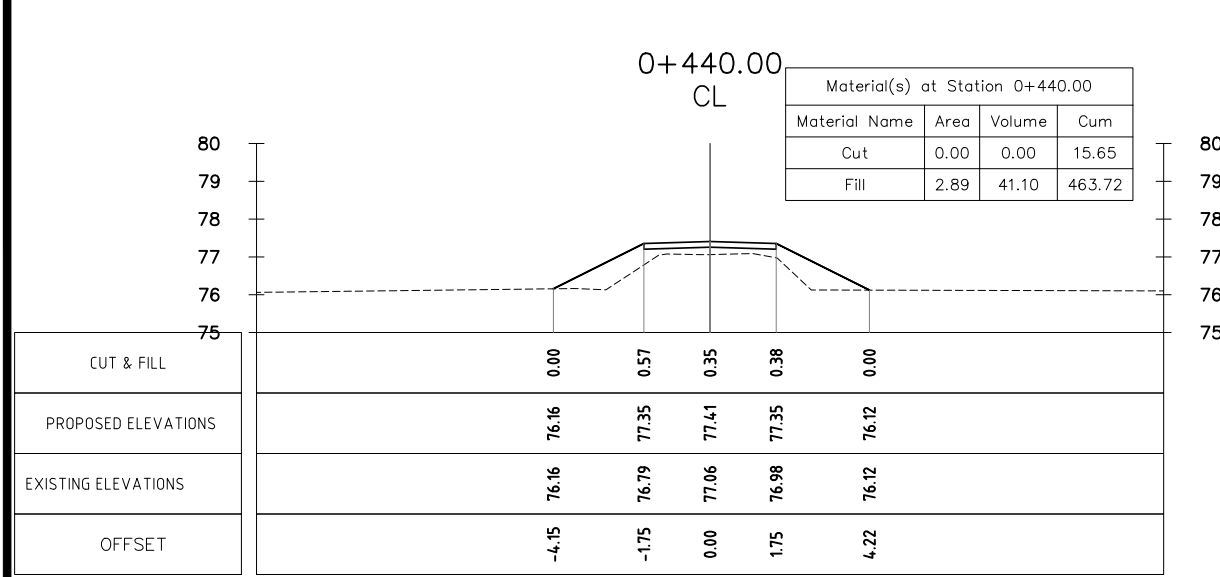
TITLE: \_\_\_\_\_  
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ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 0+240-0+340			
SCALE IN A3:	DATE :	DRAWING No. :	C-135
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

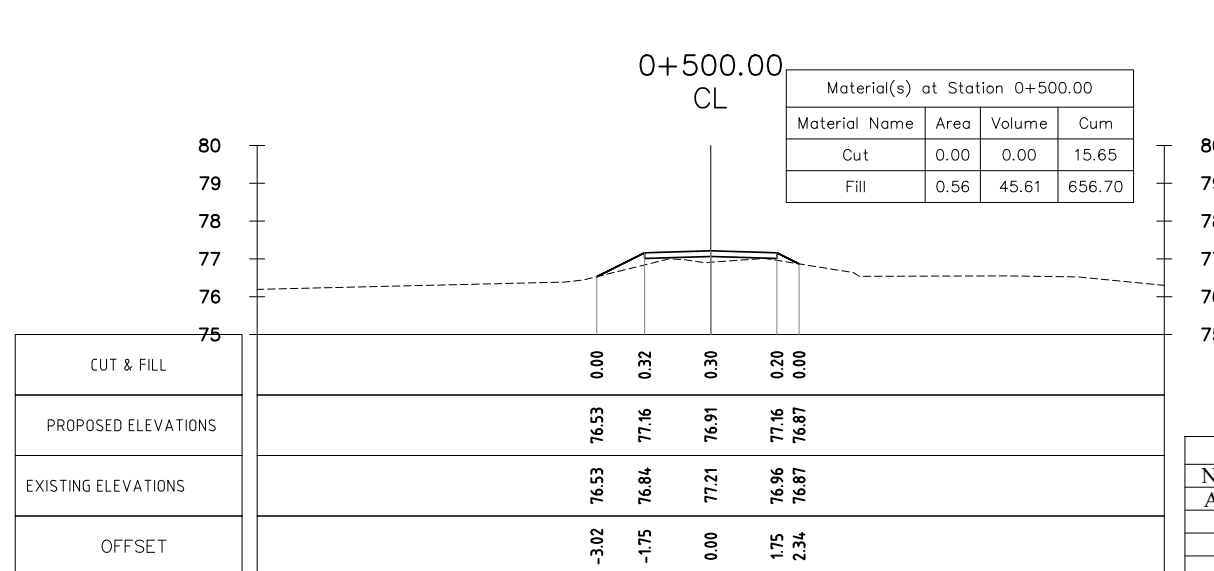
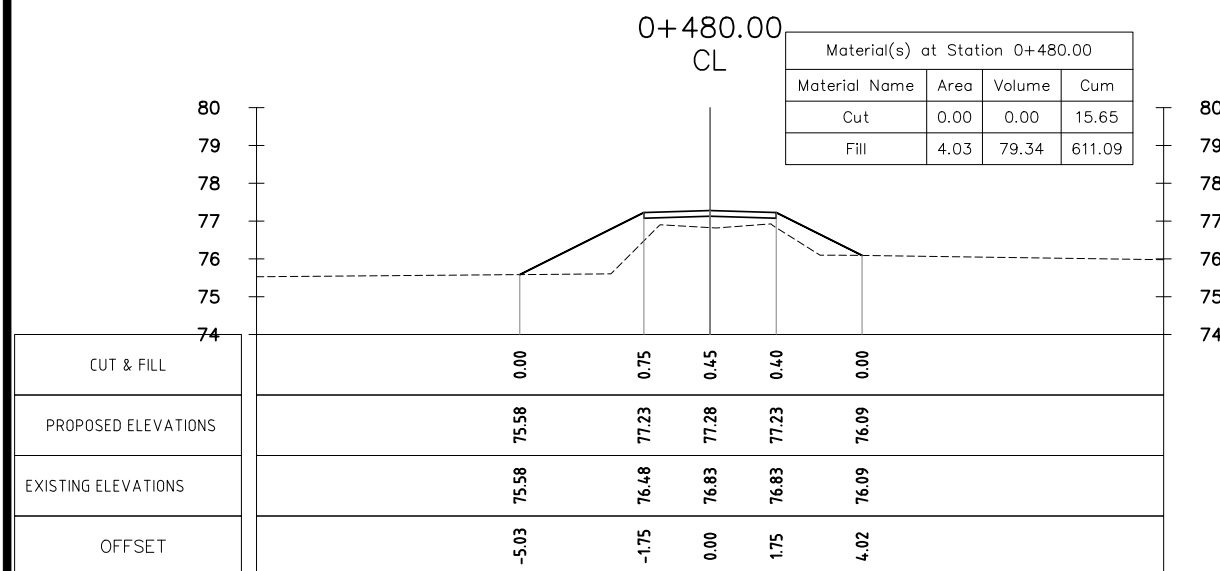
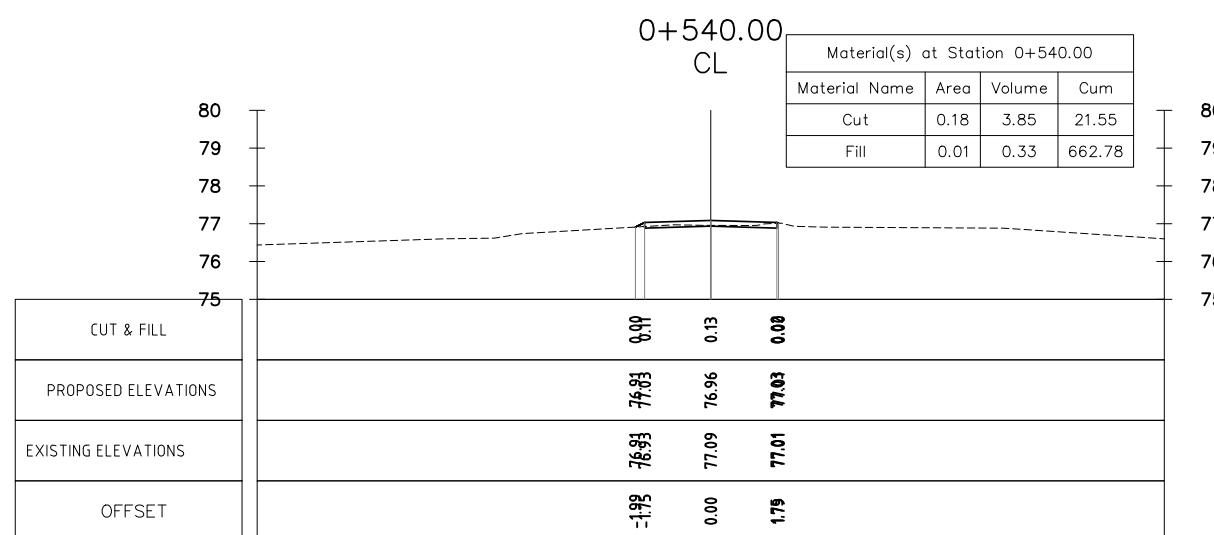
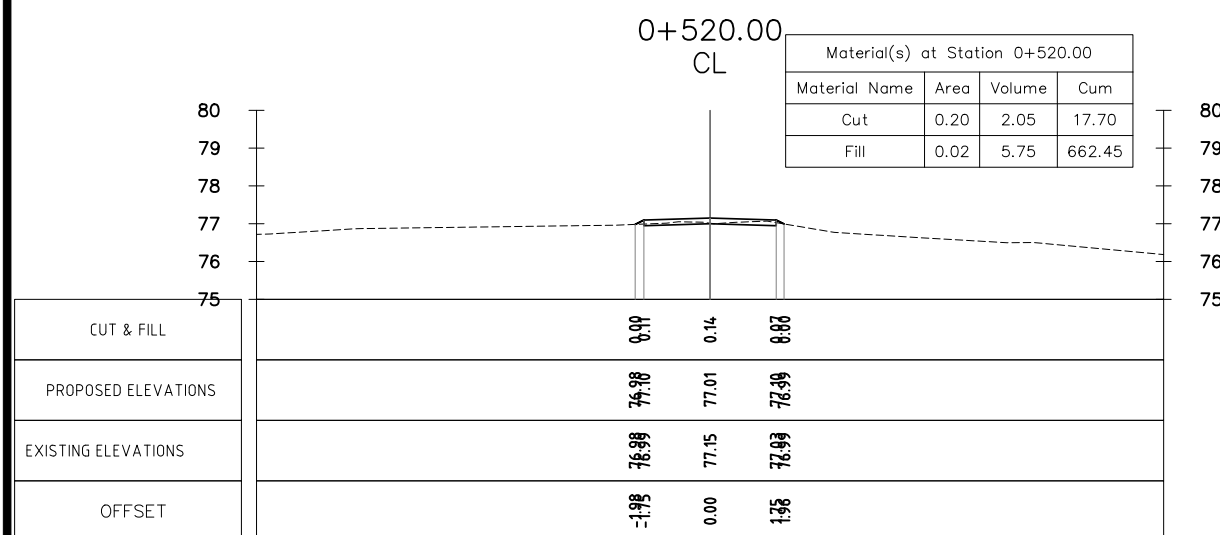
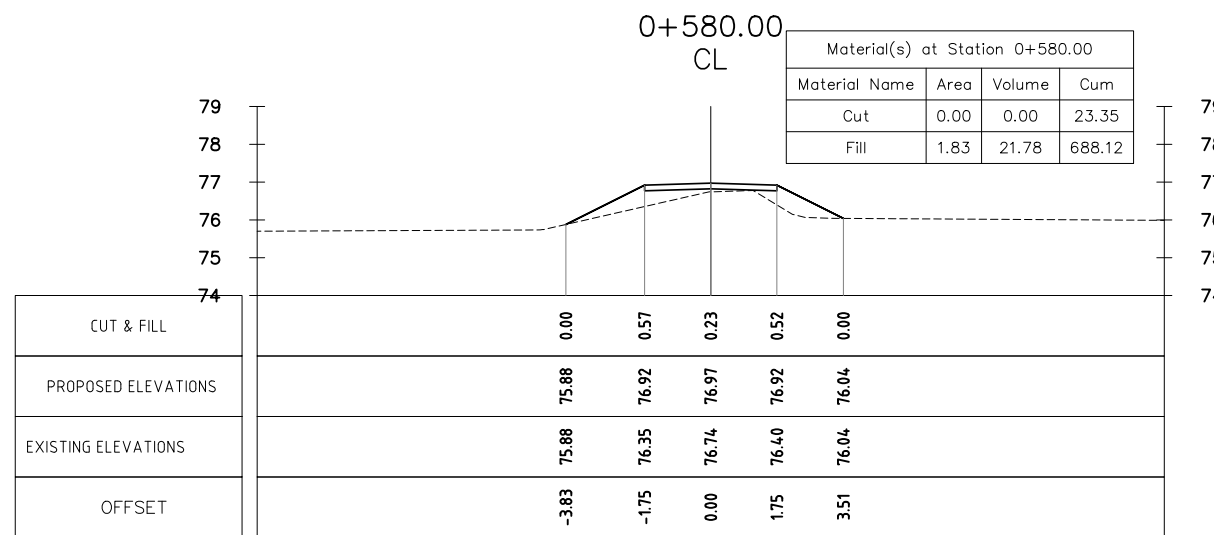
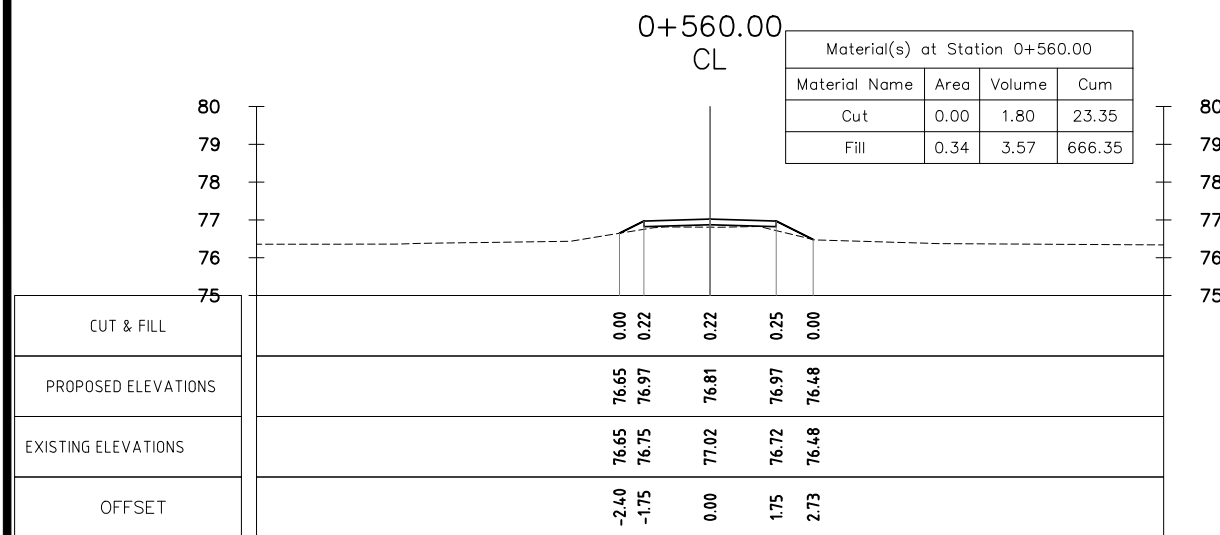
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 0+360-0+460			
SCALE IN A3:	DATE :	DRAWING No. :	C-136
1/200		LAO - NKS	





REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE:  
 DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



Norconsult

CADTIS-Consultant

LAO-Asian Engineering Consultants Sole CO.,LTD

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

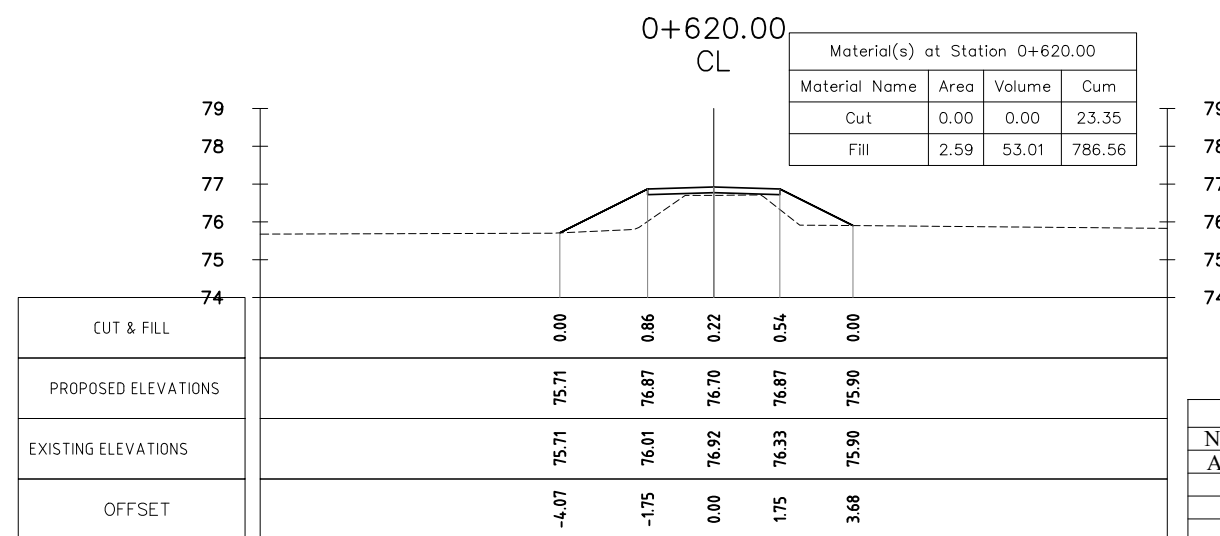
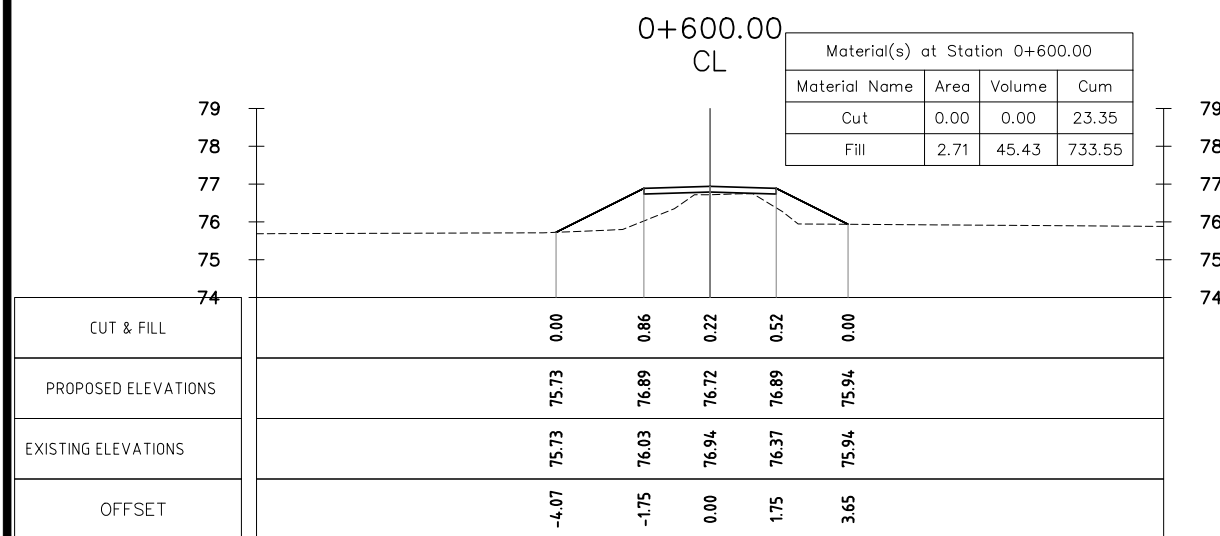
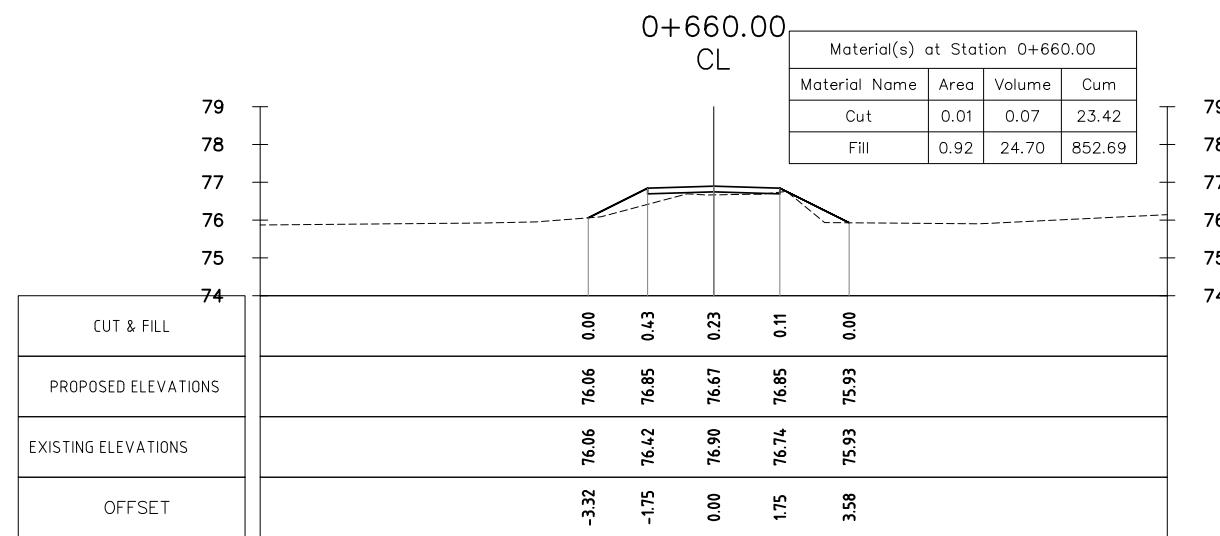
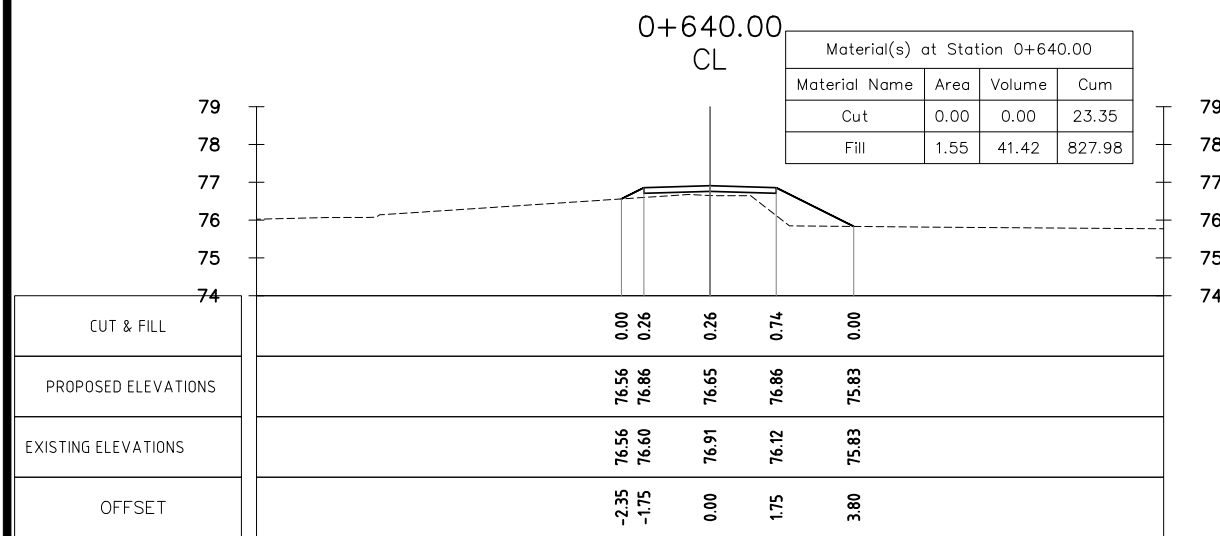
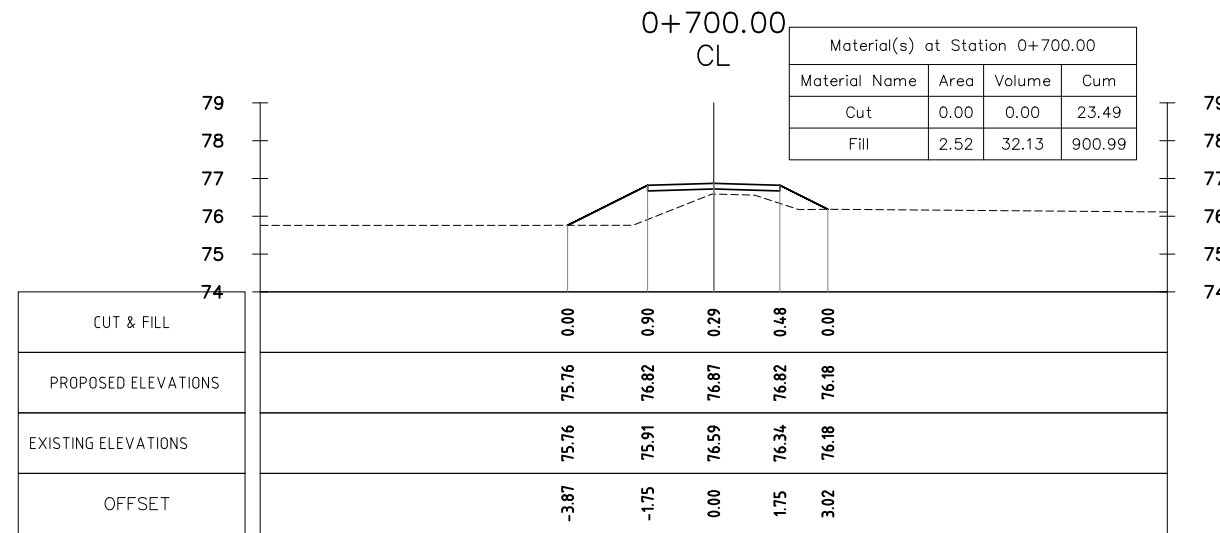
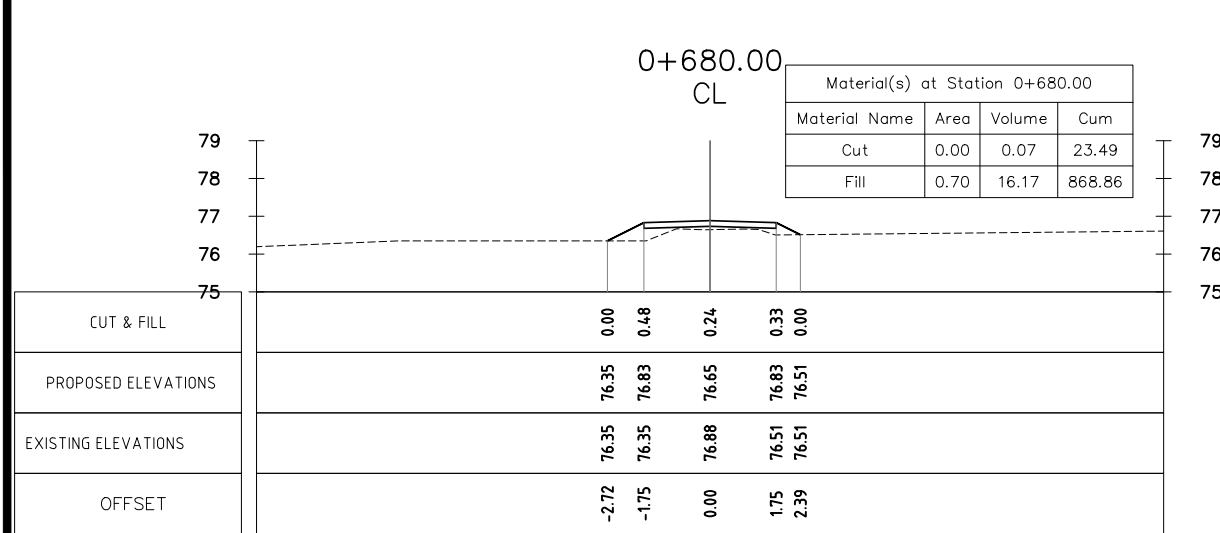
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SCALE IN A3:  
 1/200

DATE :

DRAWING No. :  
 LAO - NKS

C-137



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:  
DATE:

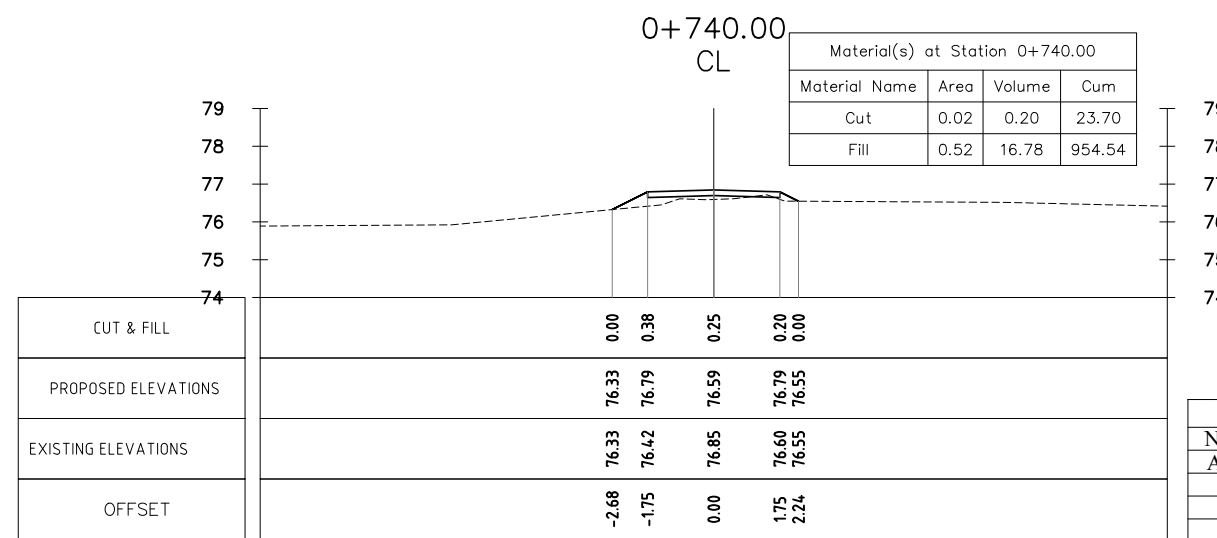
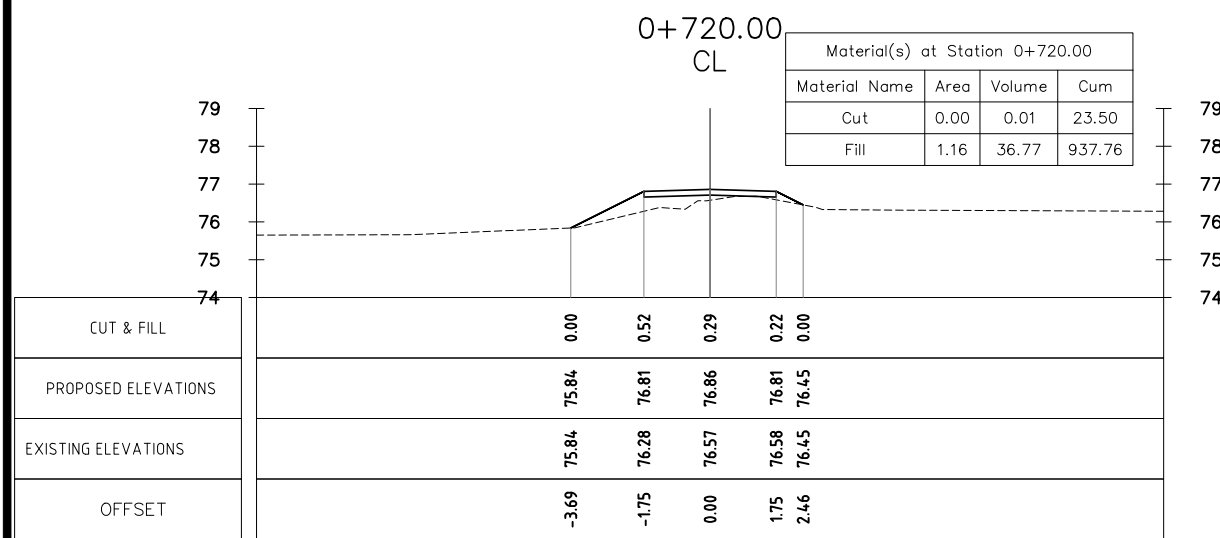
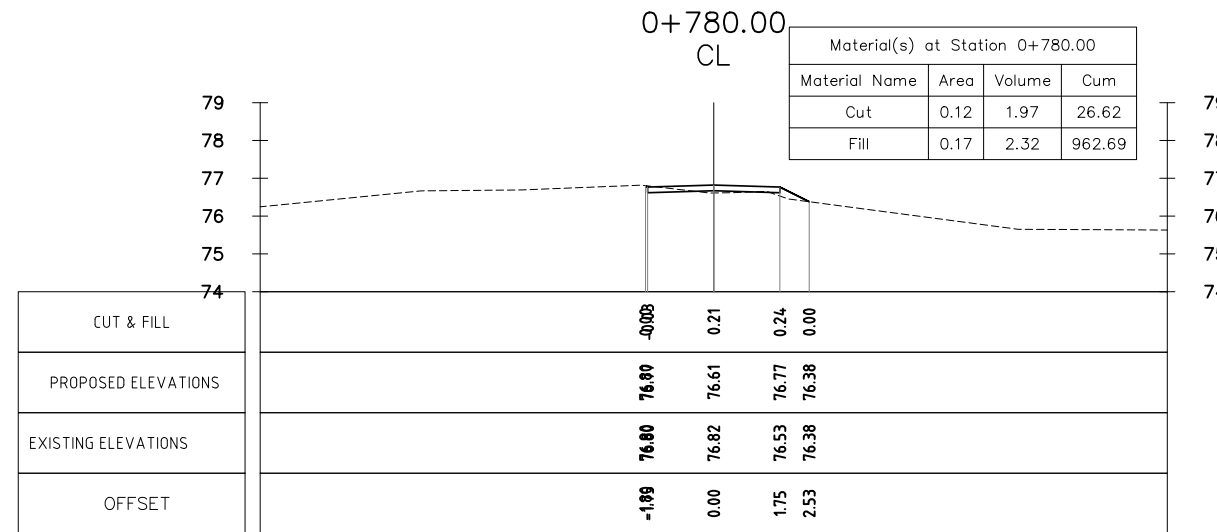
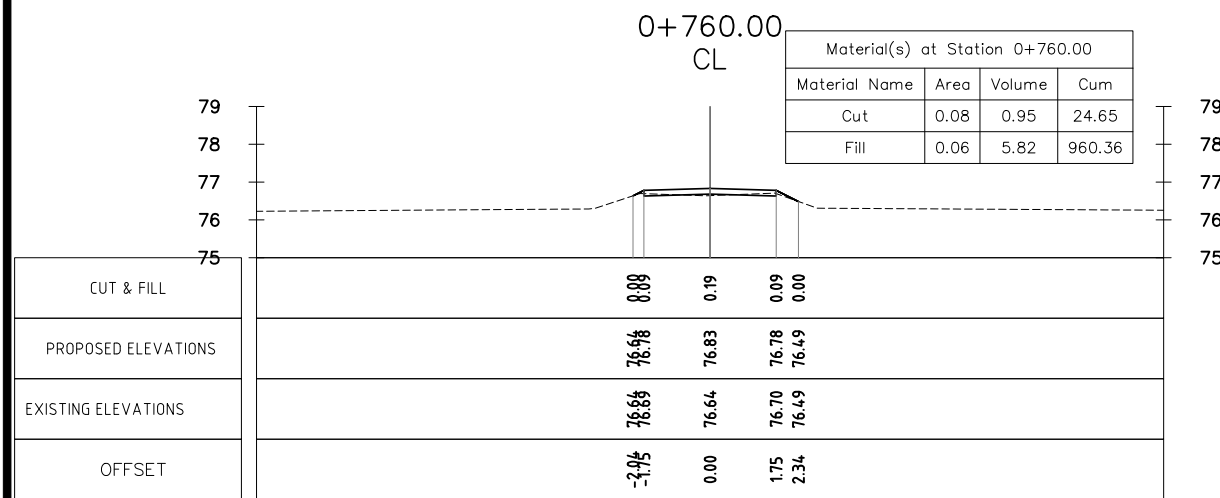
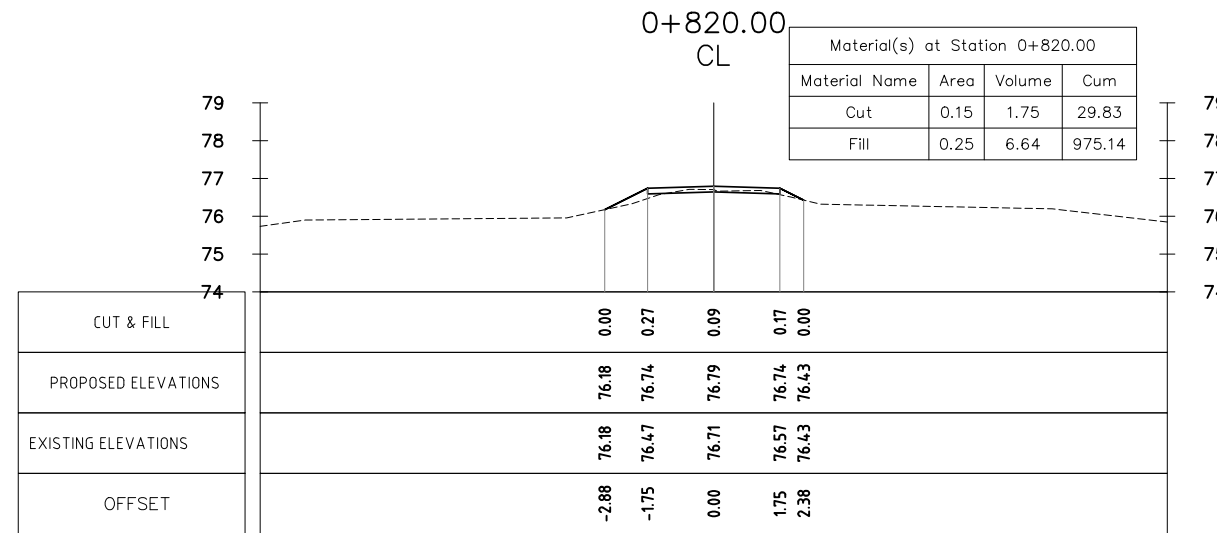
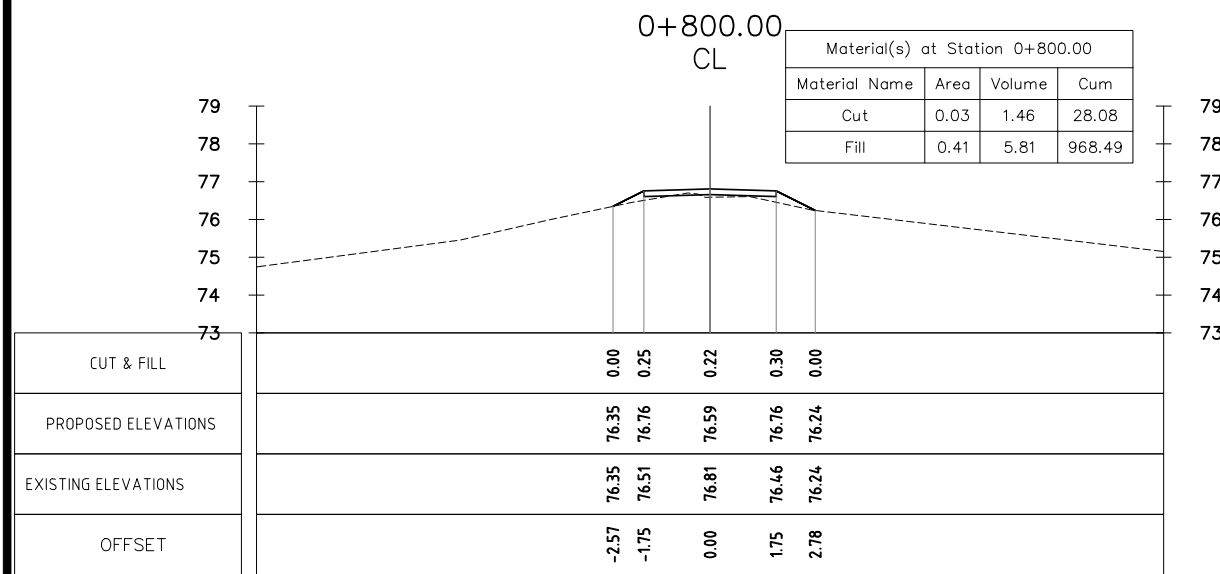


ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 0+600-0+700			
SCALE IN A3:	DATE :	DRAWING No. :	C-138
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

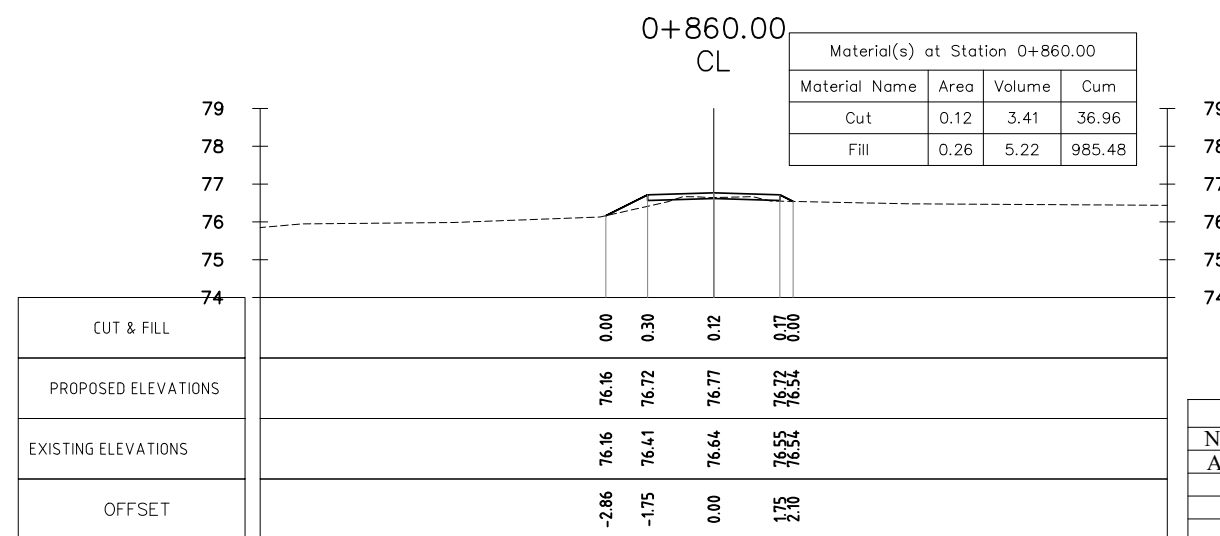
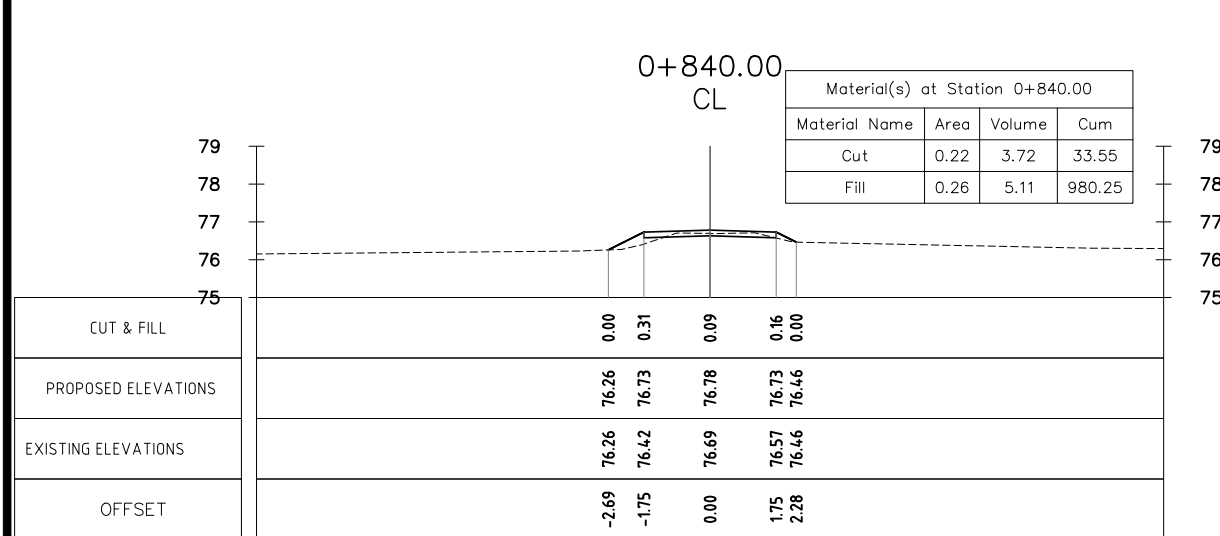
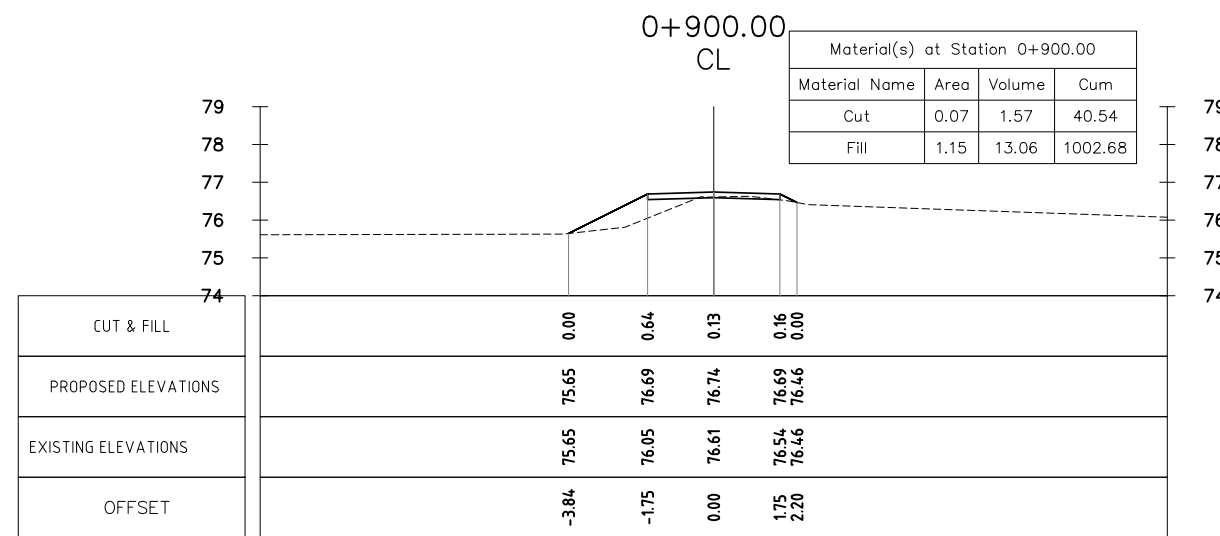
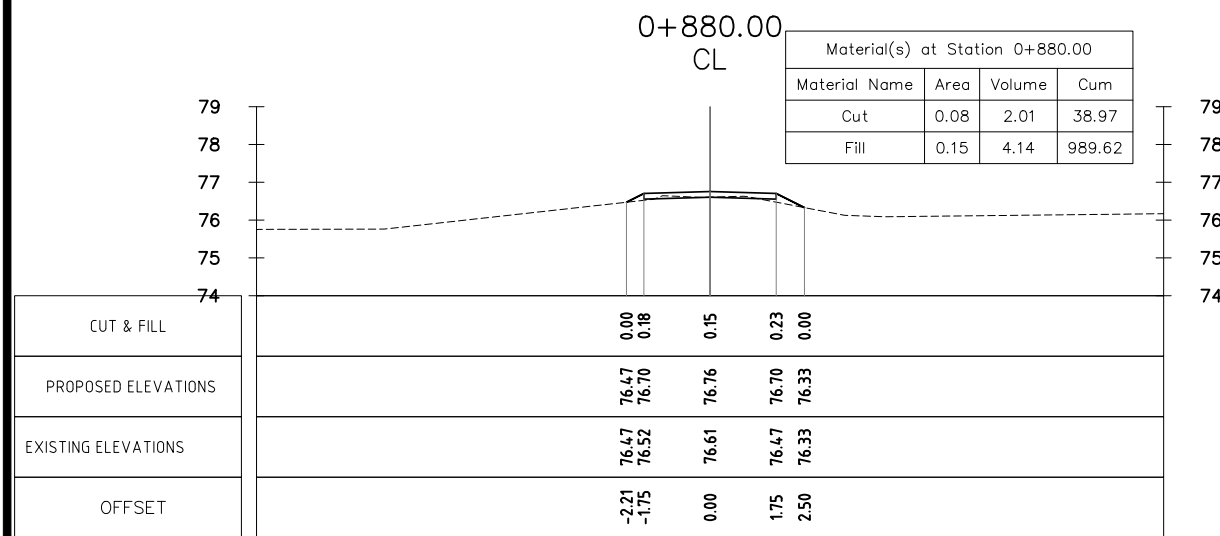
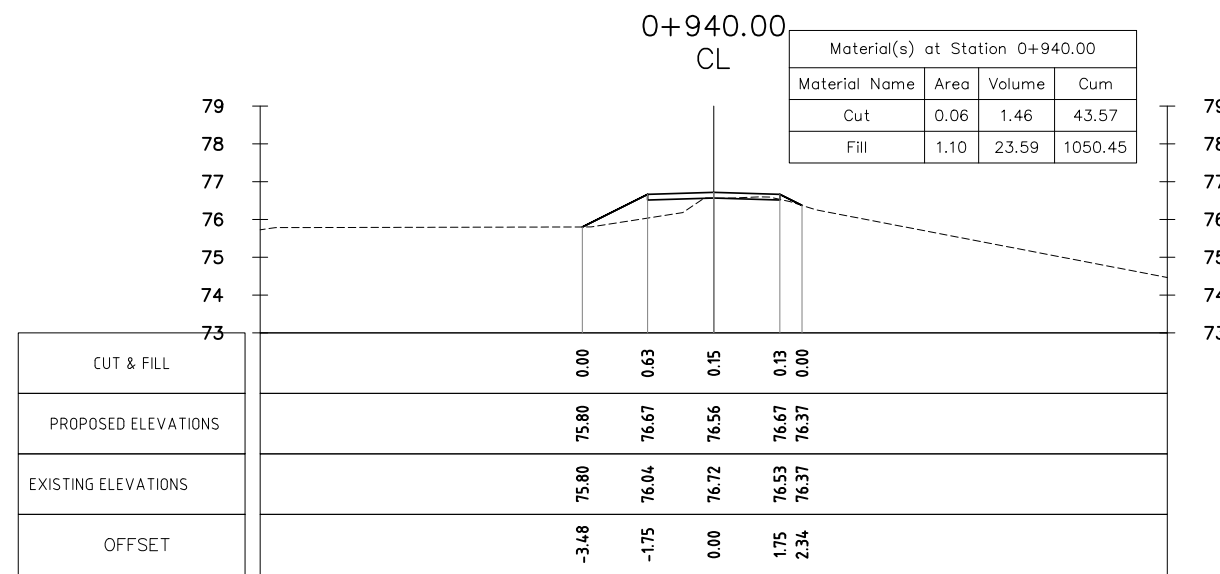
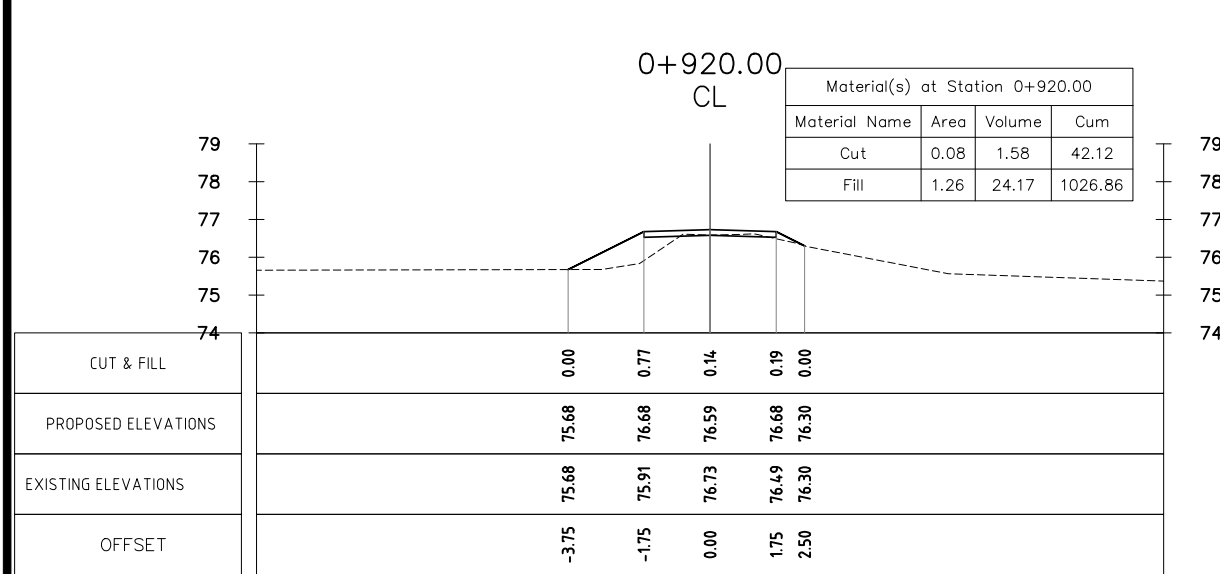
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ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 0+720-0+820			
SCALE IN A3:	DATE :	DRAWING No. :	C-139
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

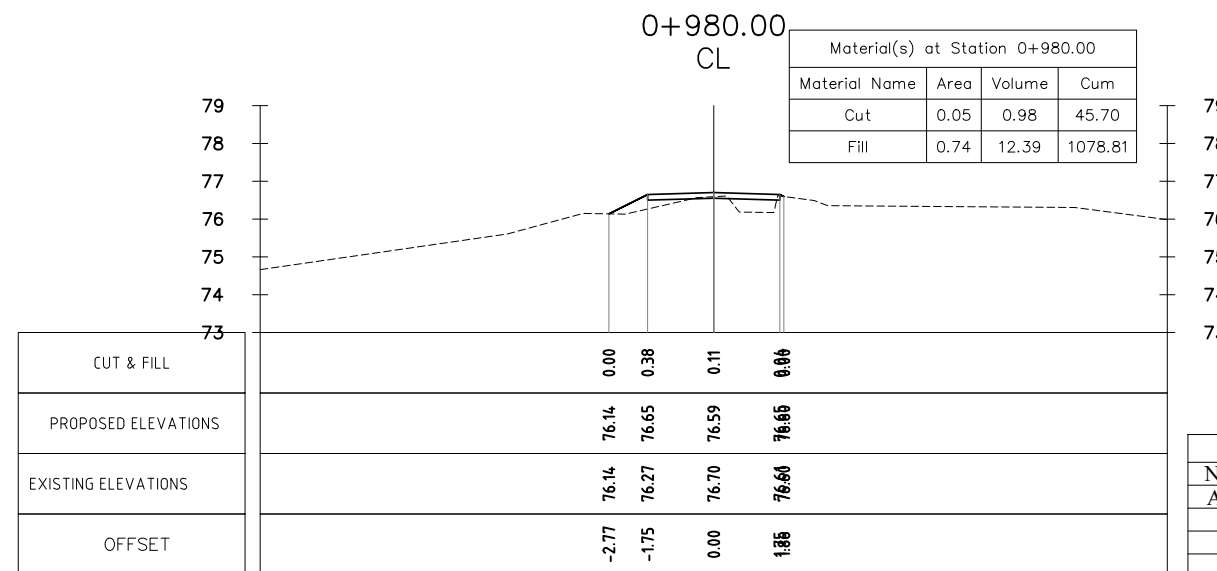
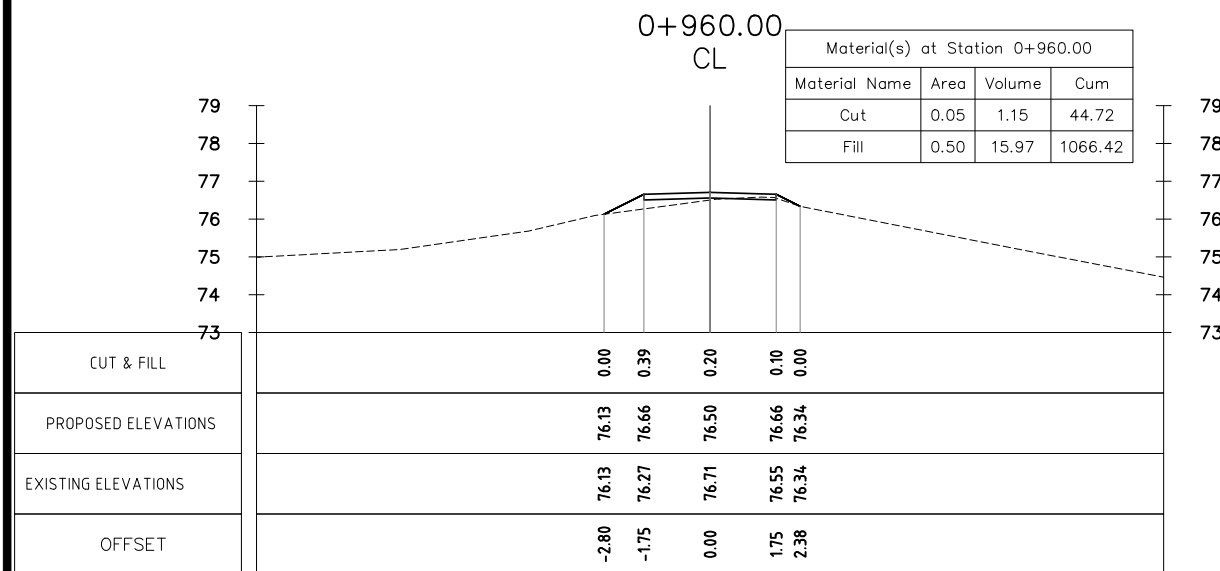
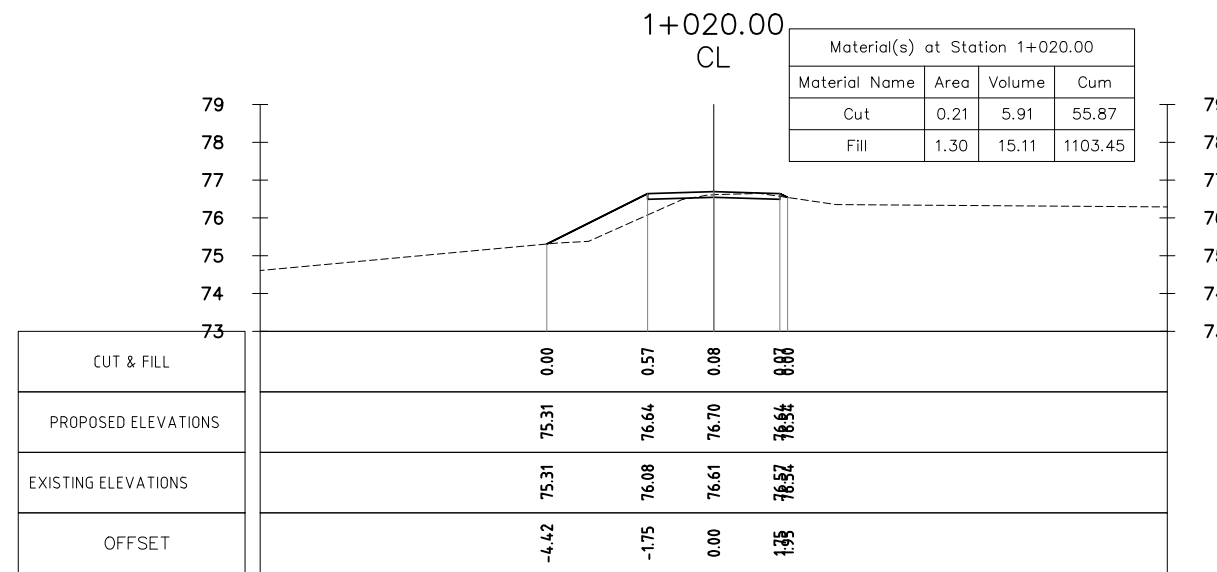
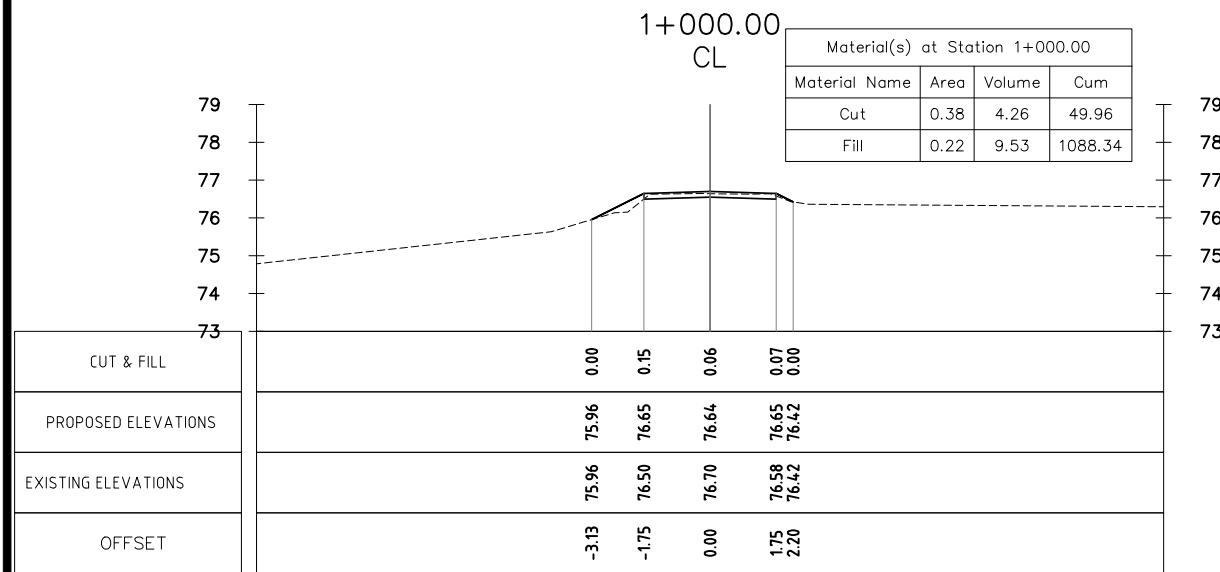
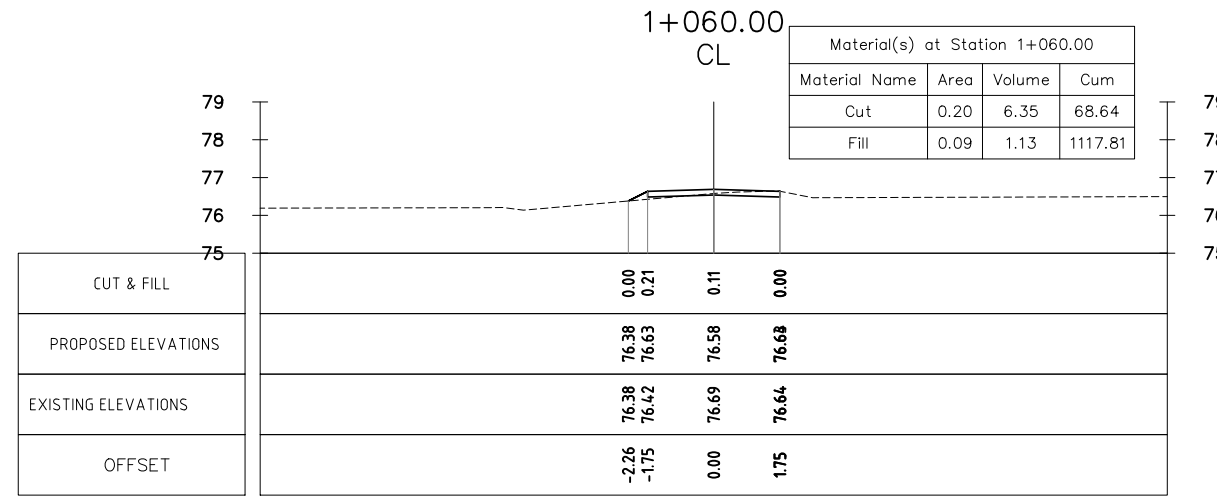
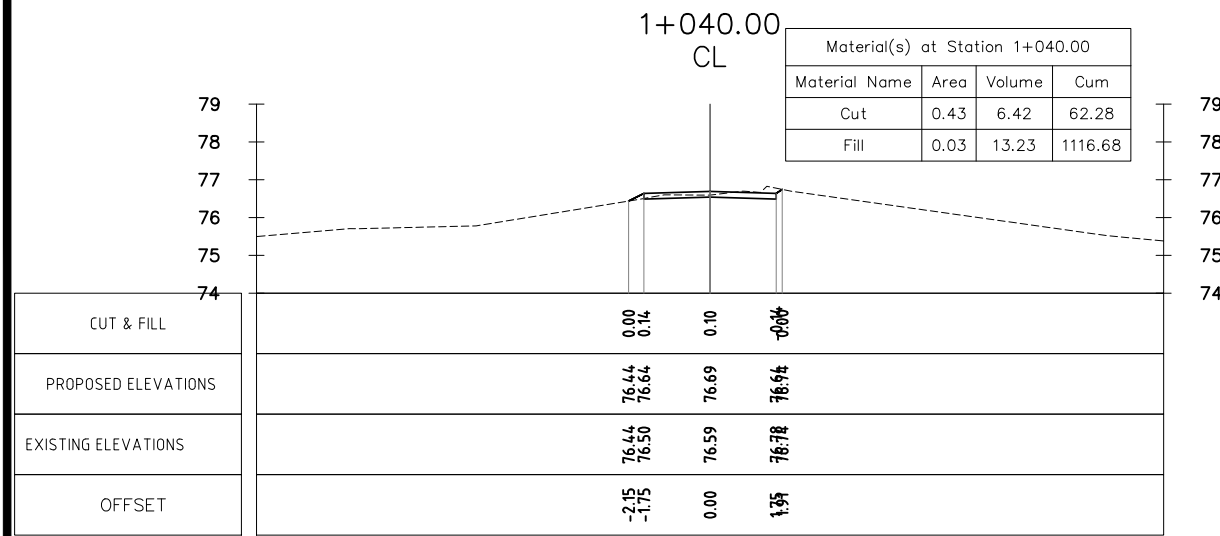
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ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 0+840-0+940			
SCALE IN A3:	DATE :	DRAWING No. :	C-140
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:  
DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

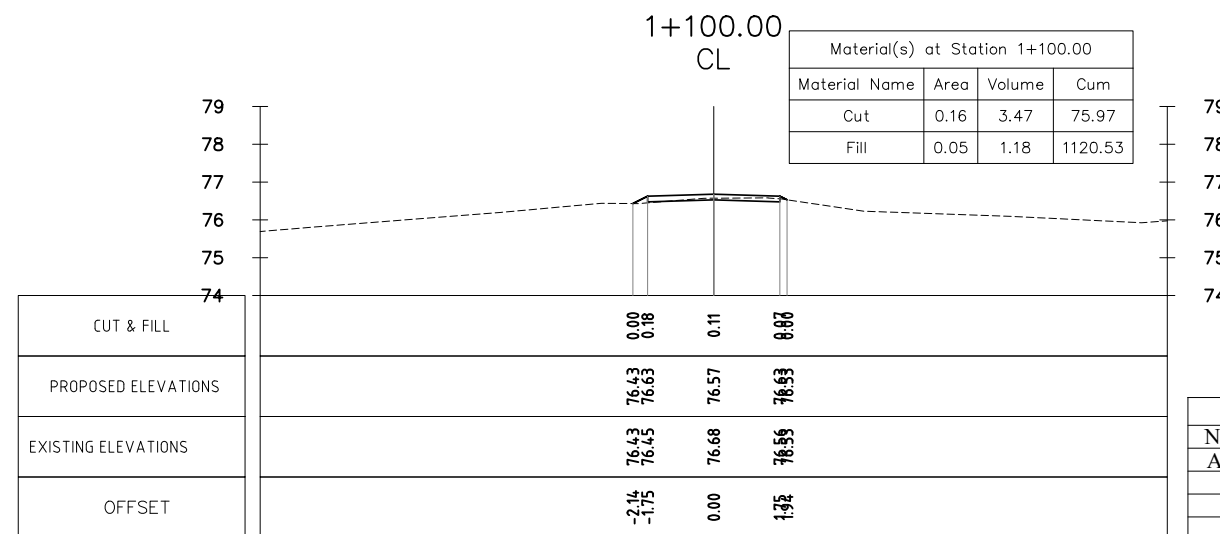
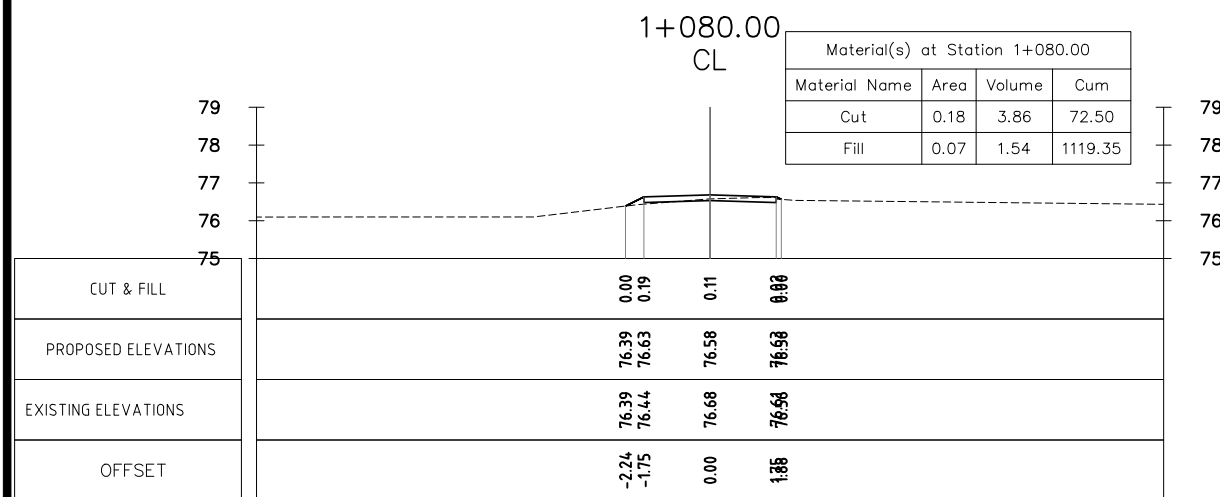
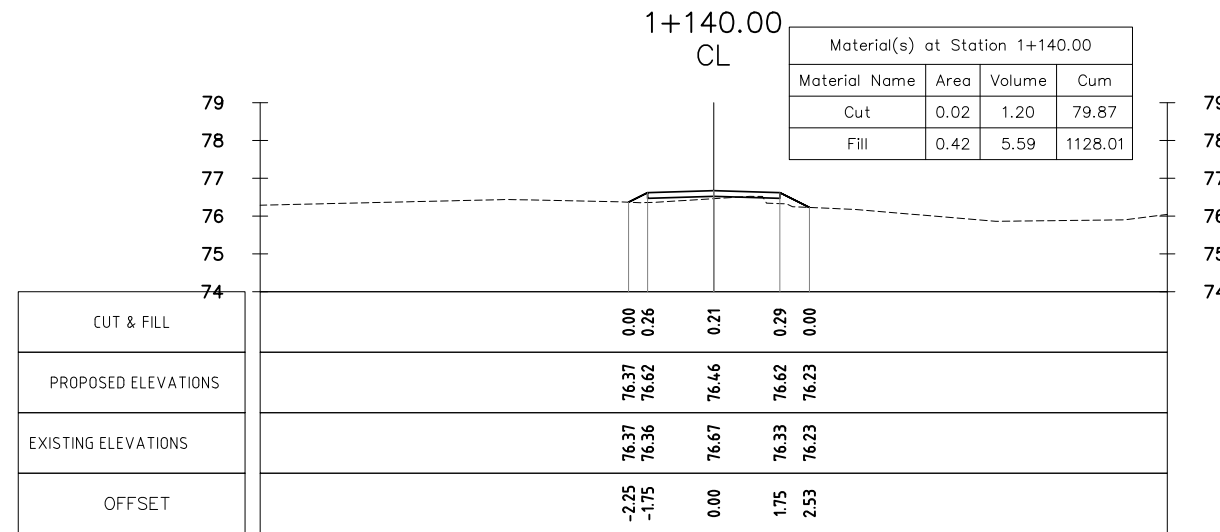
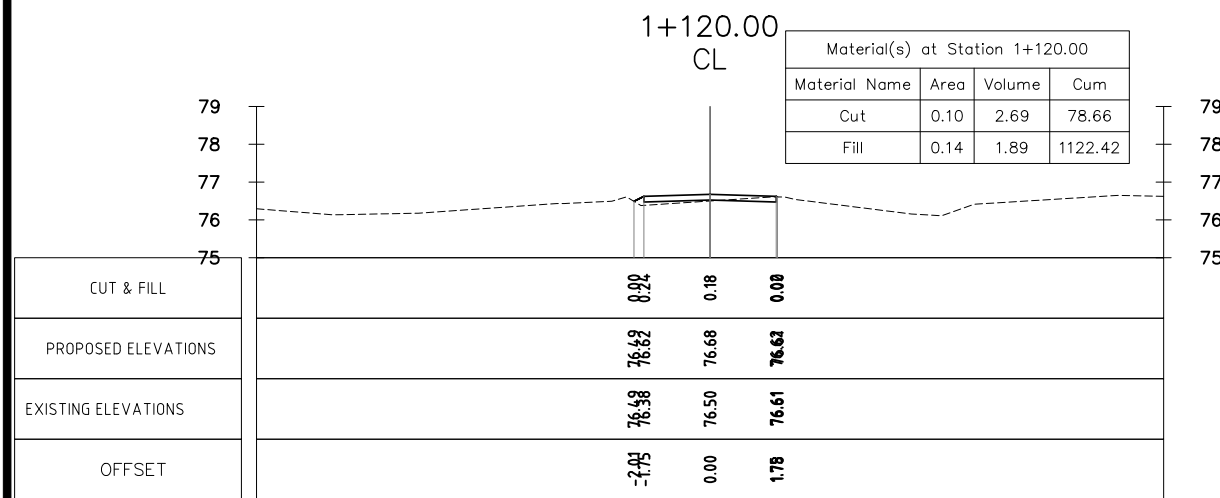
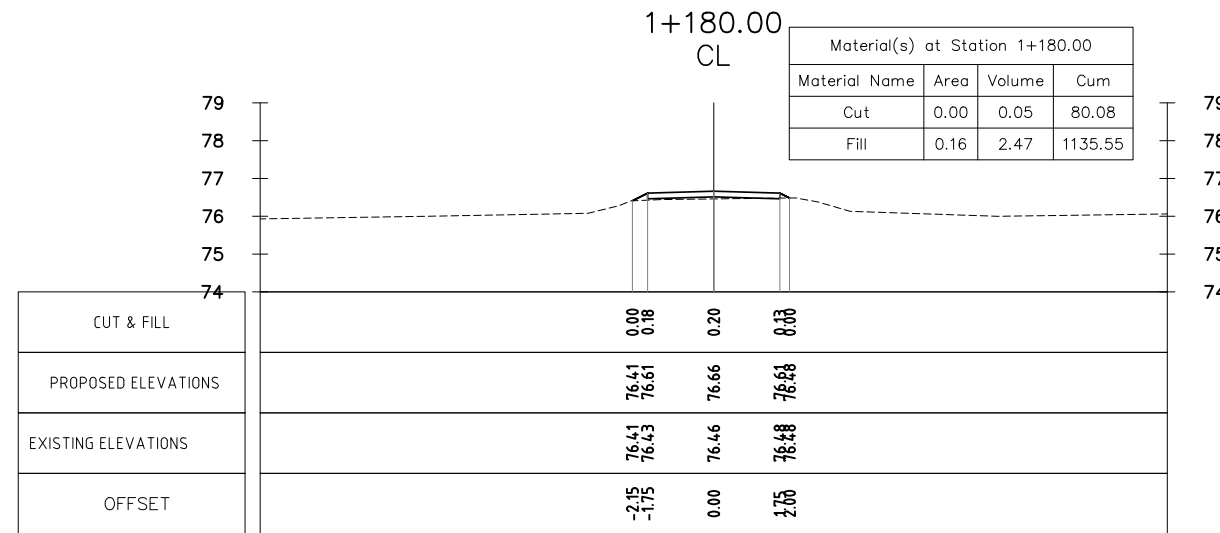
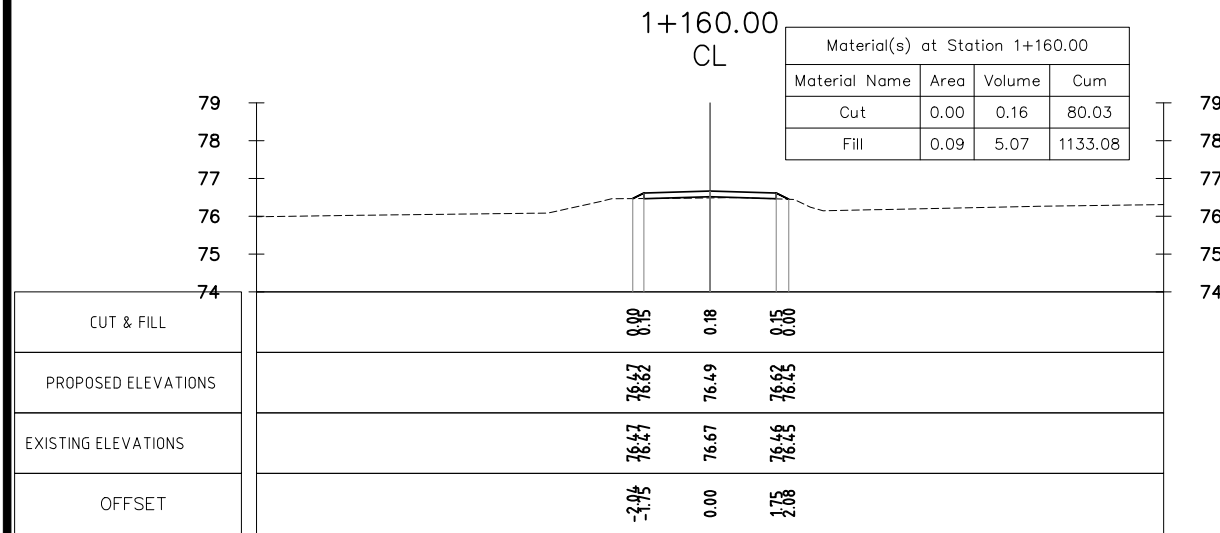
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 0+960-1+060

SCALE IN A3: 1/200      DATE :      DRAWING No. : LAO - NKS      C-141



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:  
DATE:



ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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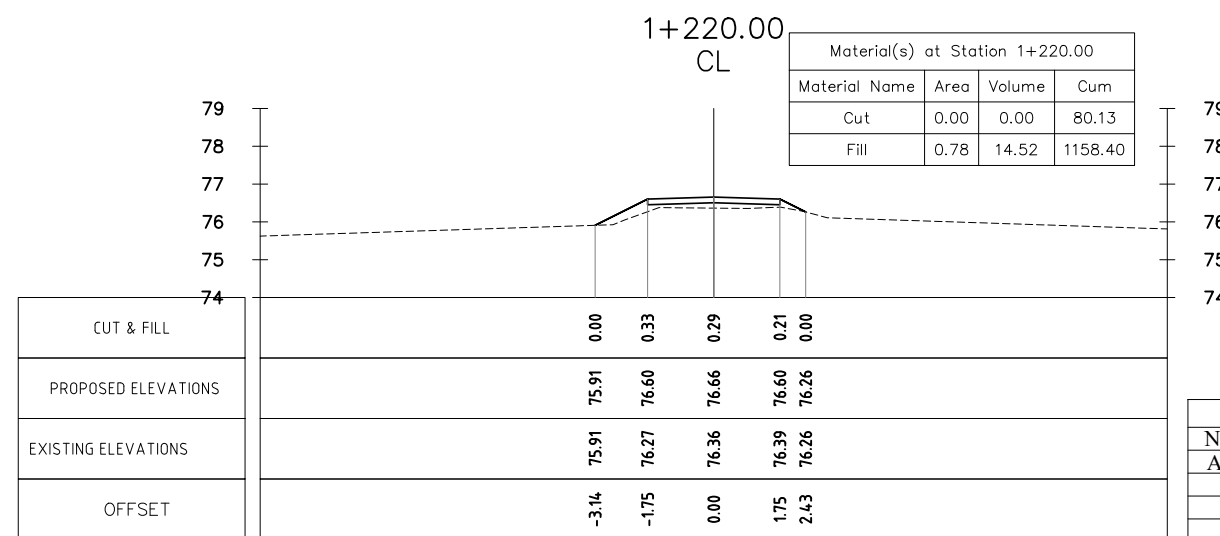
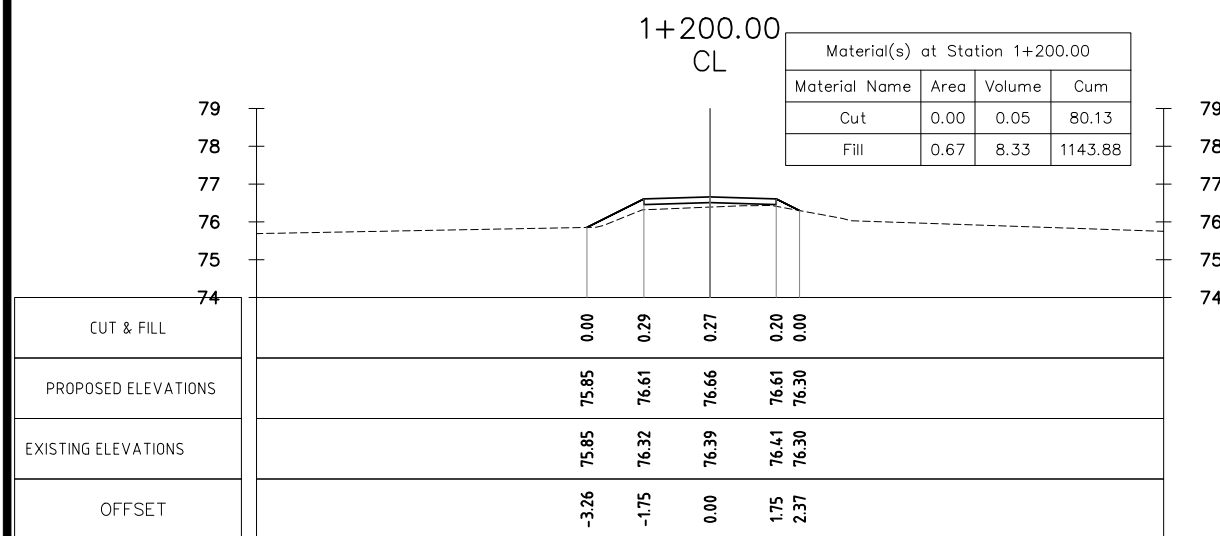
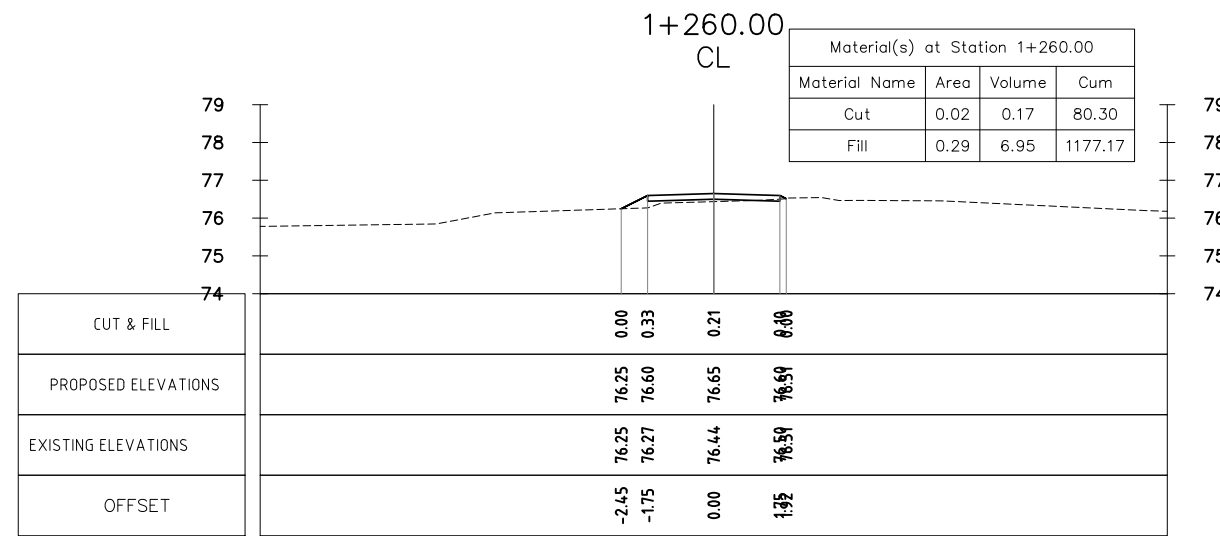
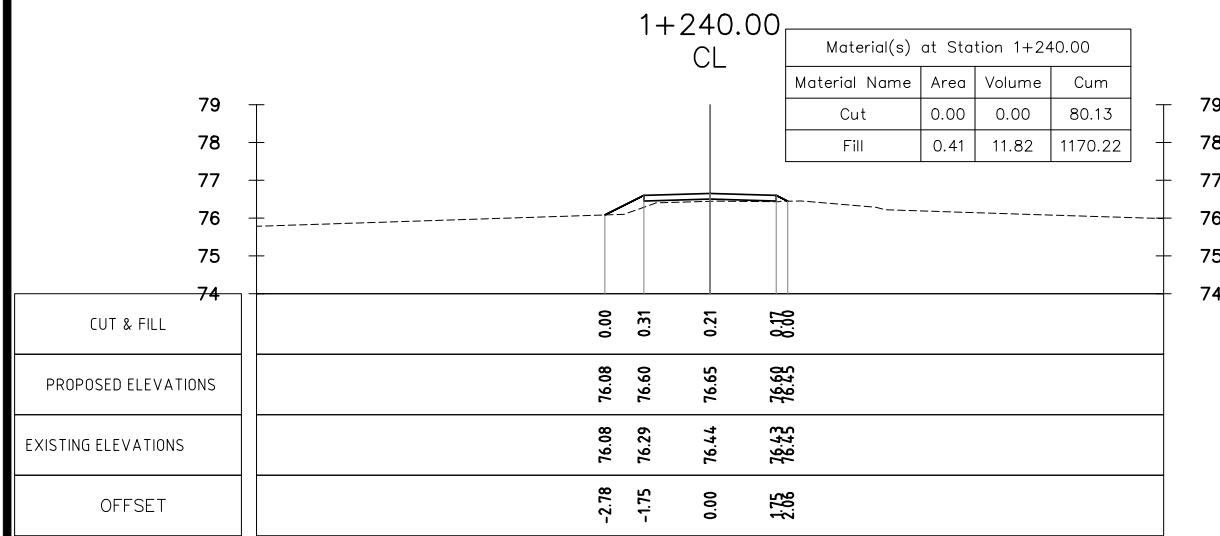
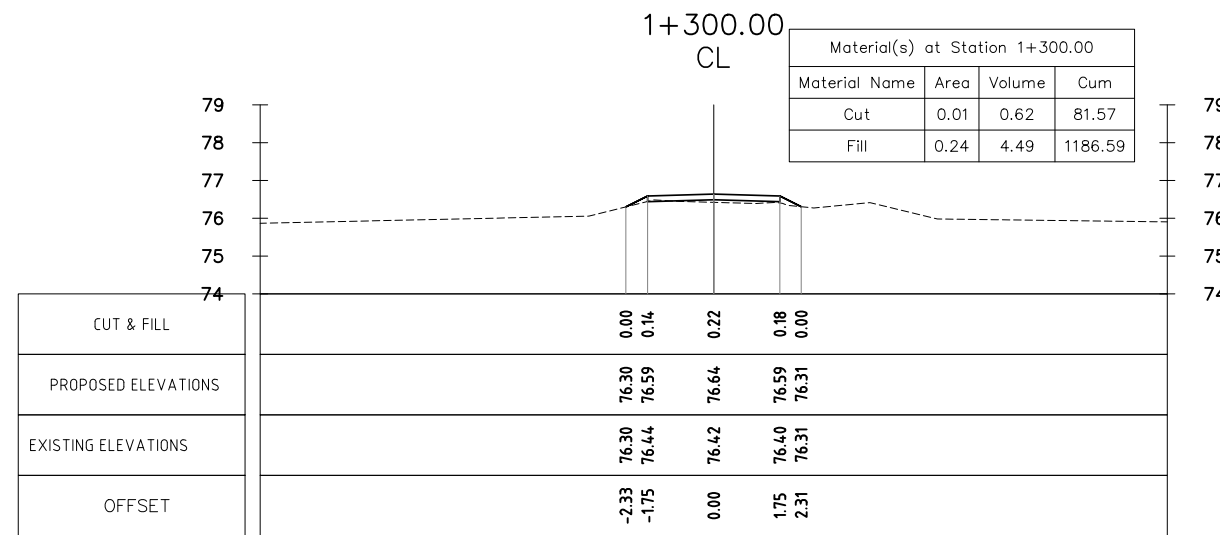
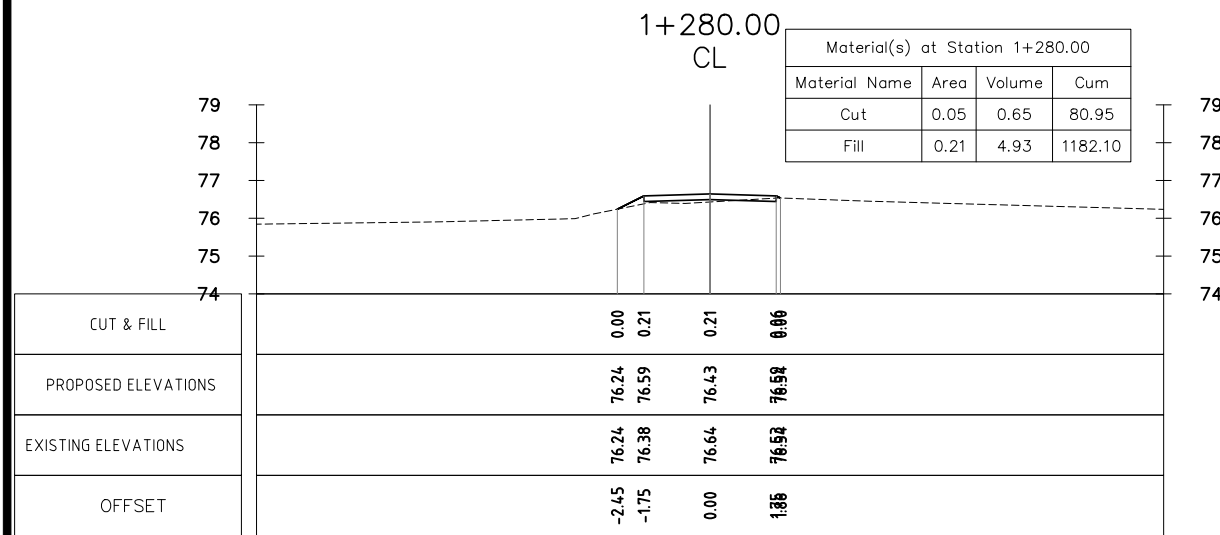
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 1+080-1+180

SCALE IN A3: 1/200      DATE :      DRAWING No. : LAO - NKS      C-142



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
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TITLE:  
 DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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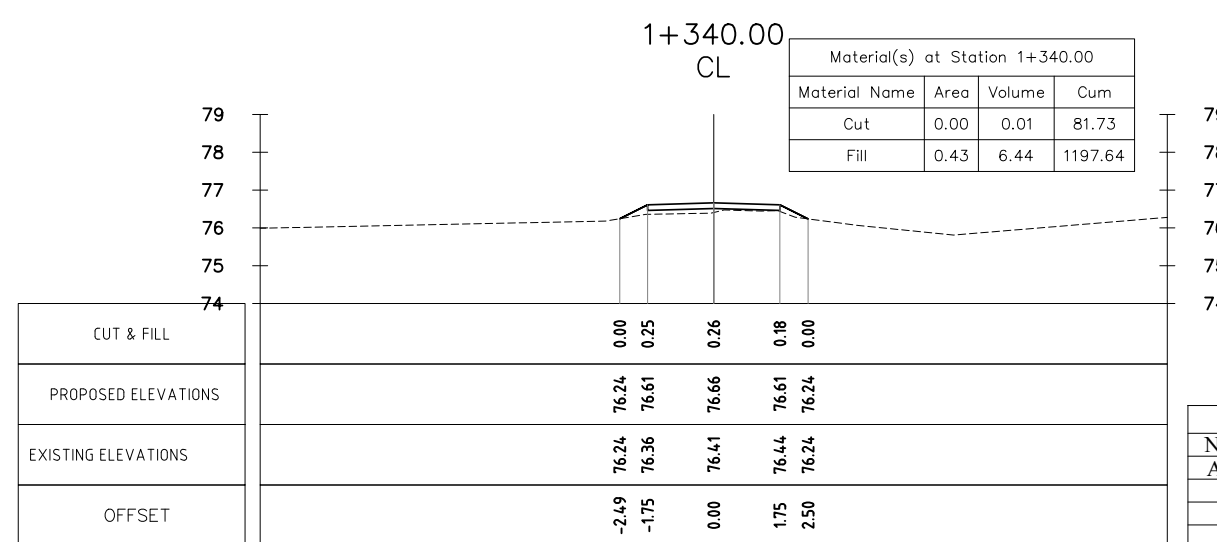
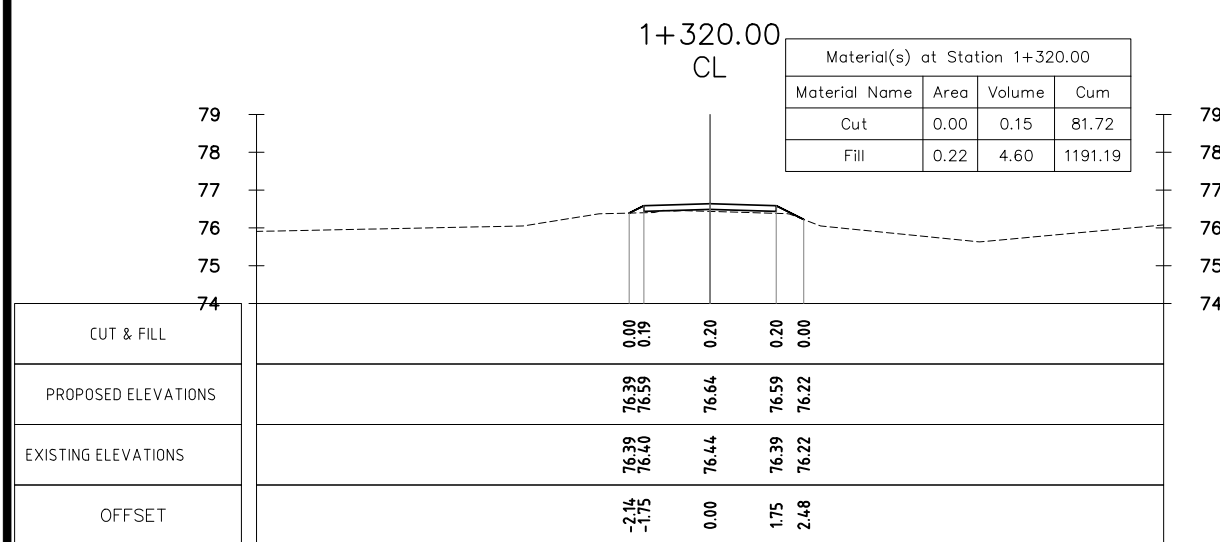
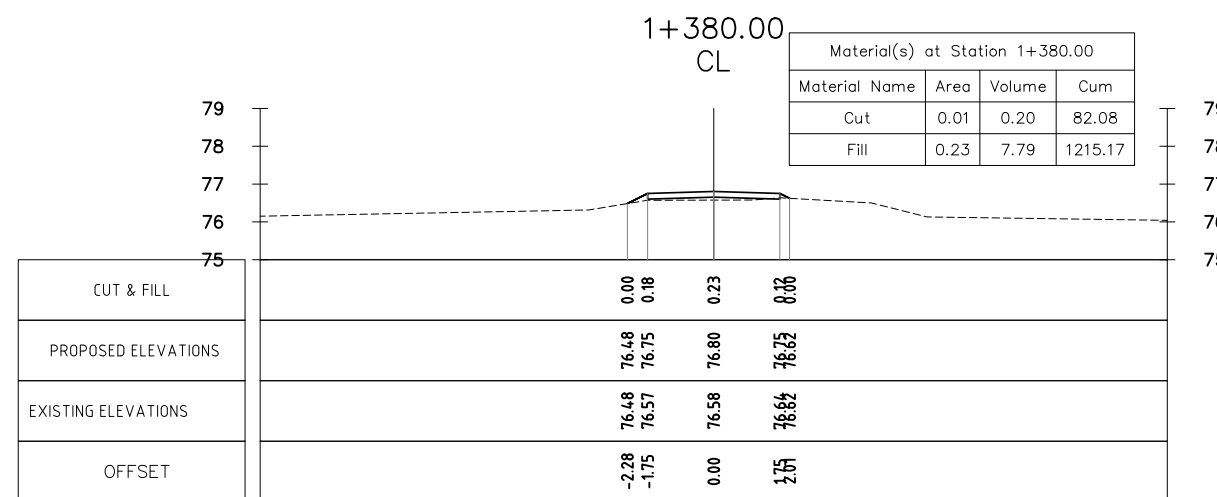
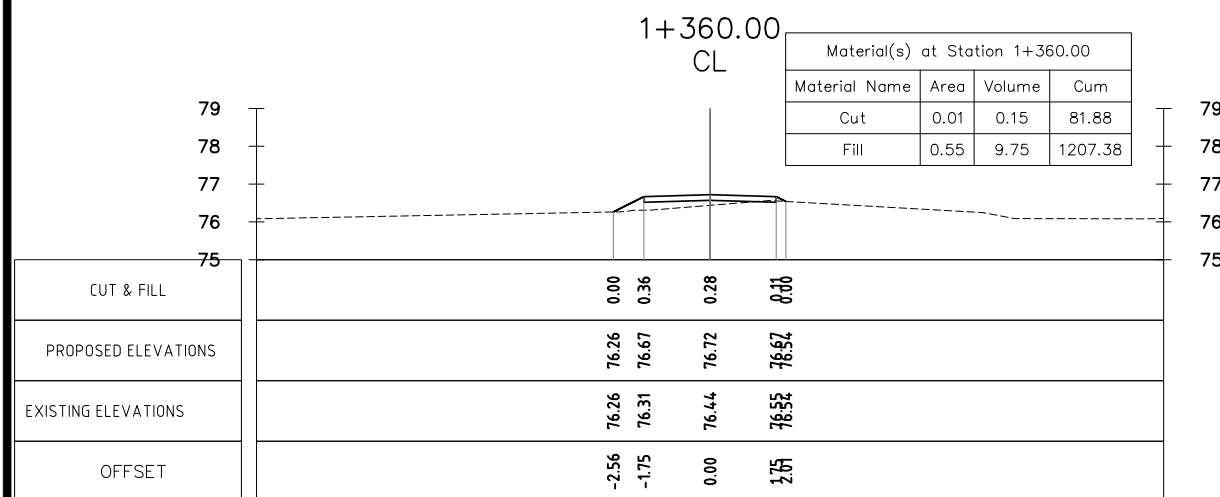
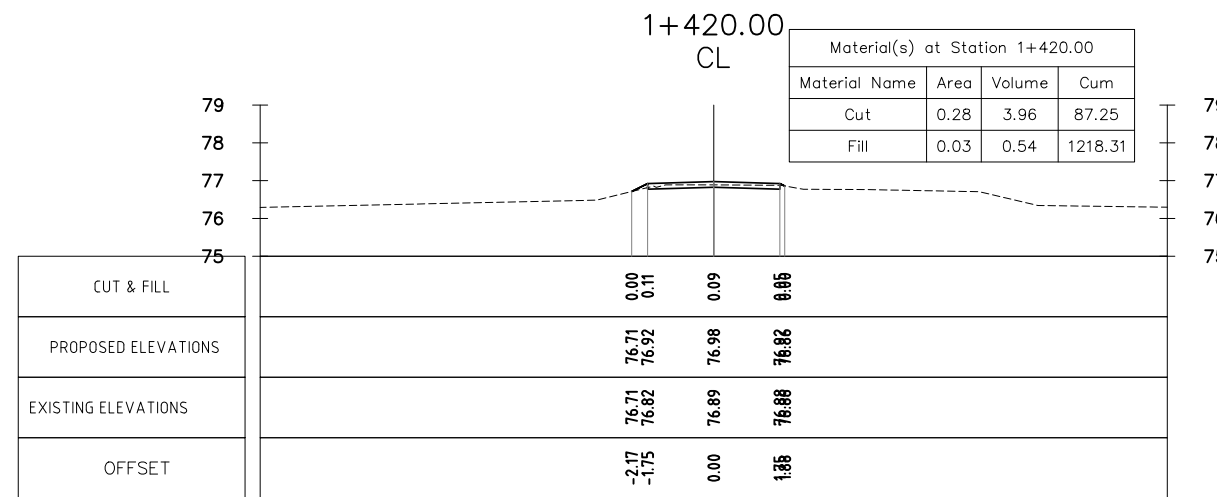
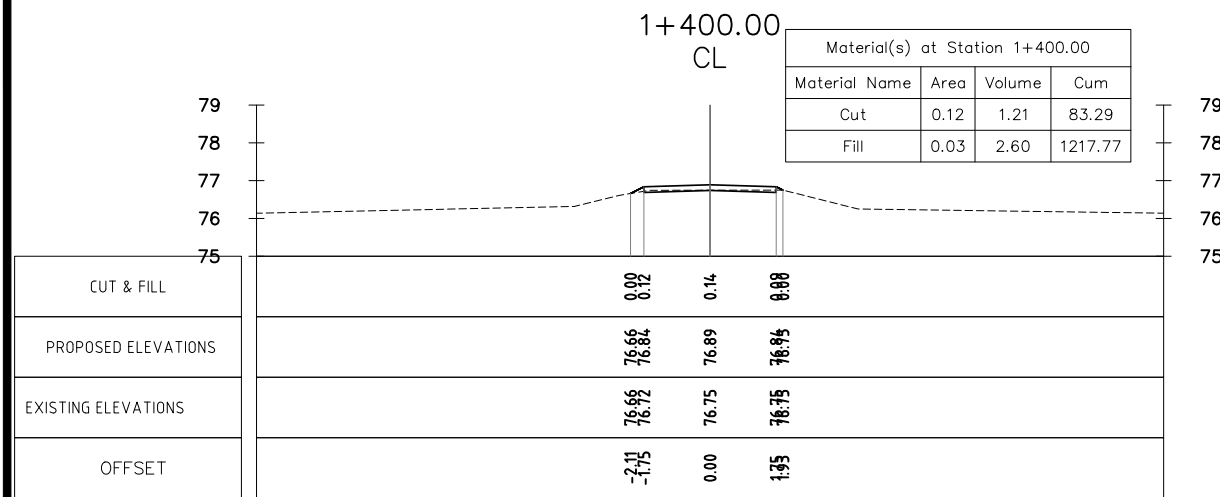
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 1+200-1+300

SCALE IN A3: 1/200      DATE :      DRAWING No. : LAO - NKS      C-143



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

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Drawing: SS  
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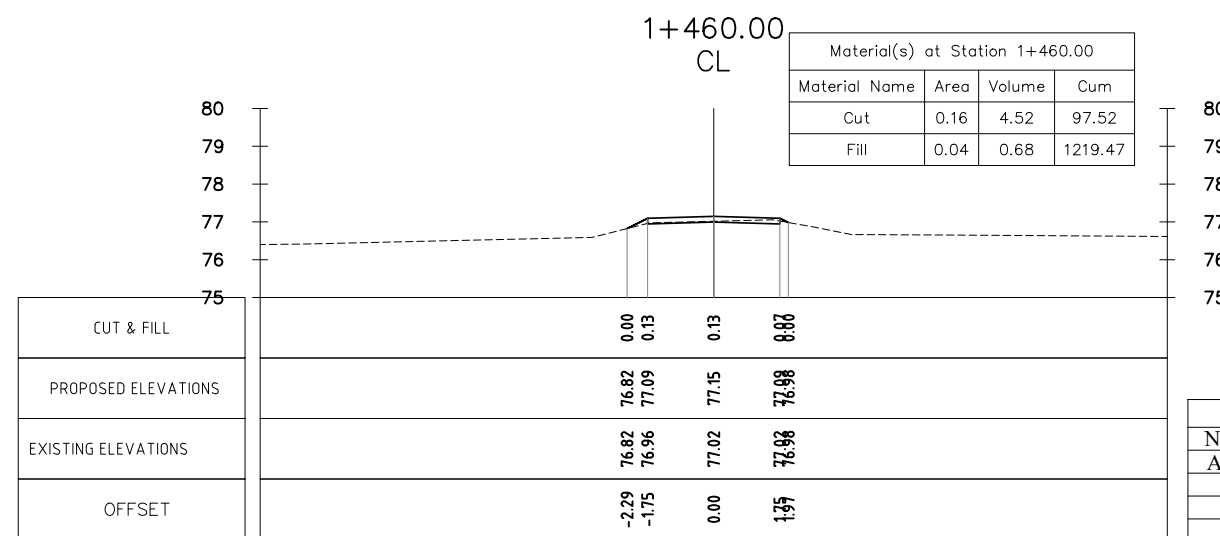
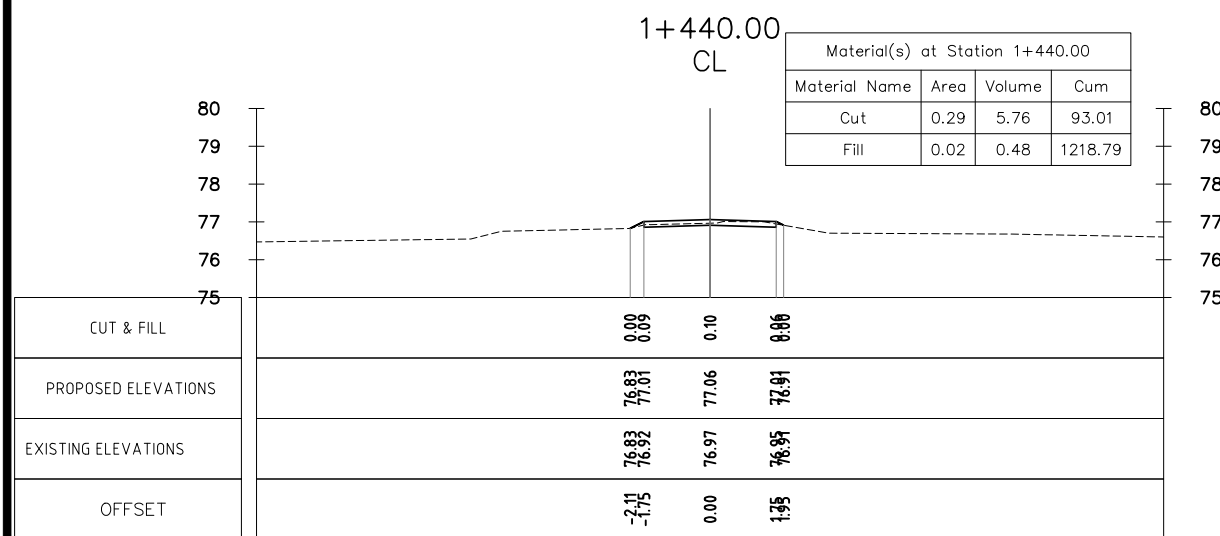
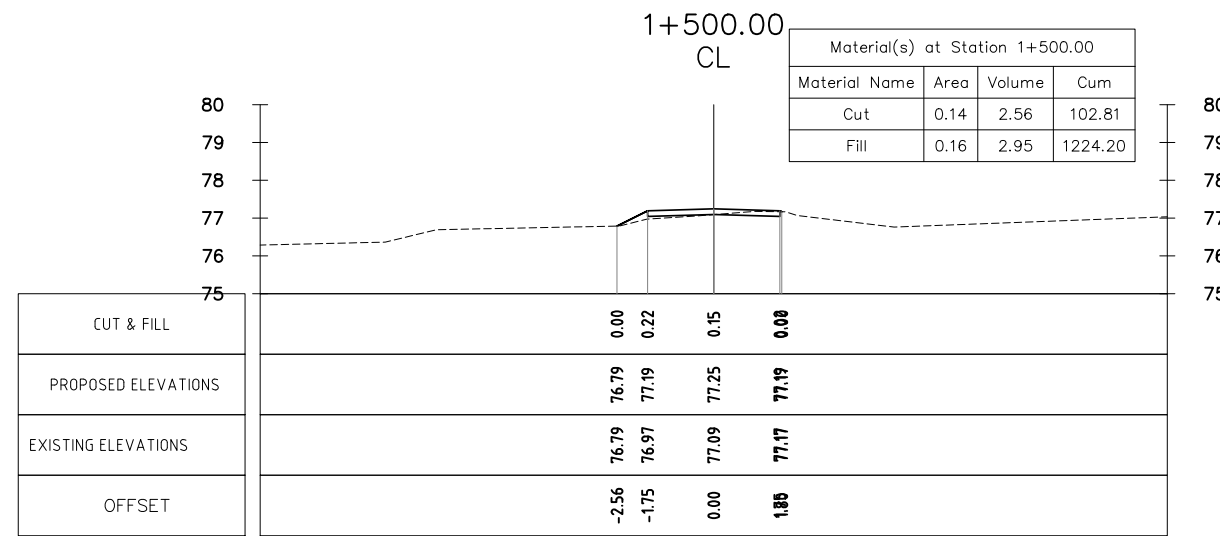
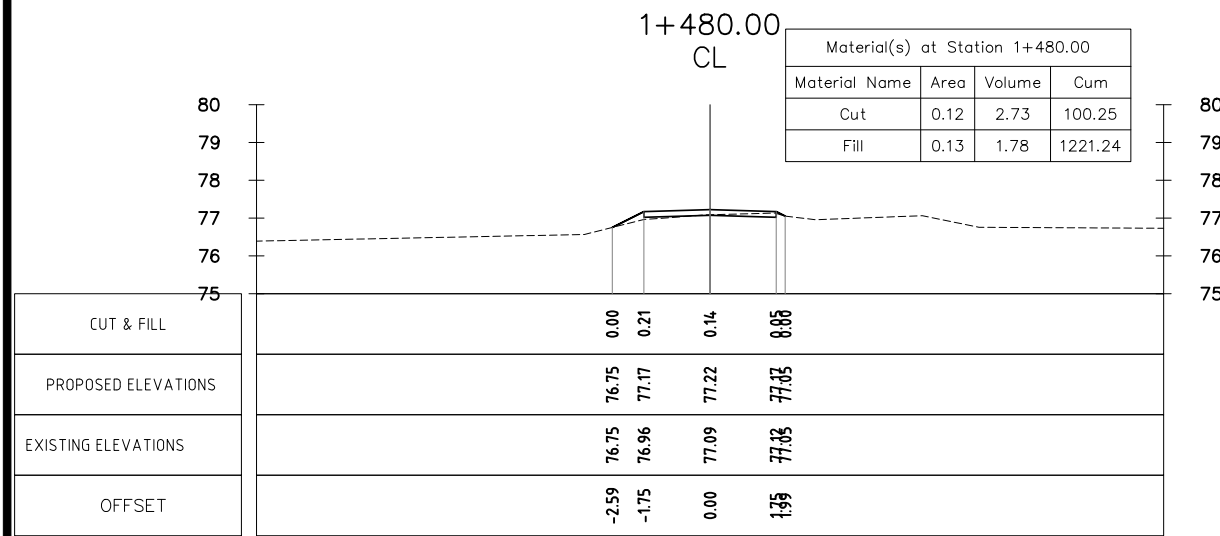
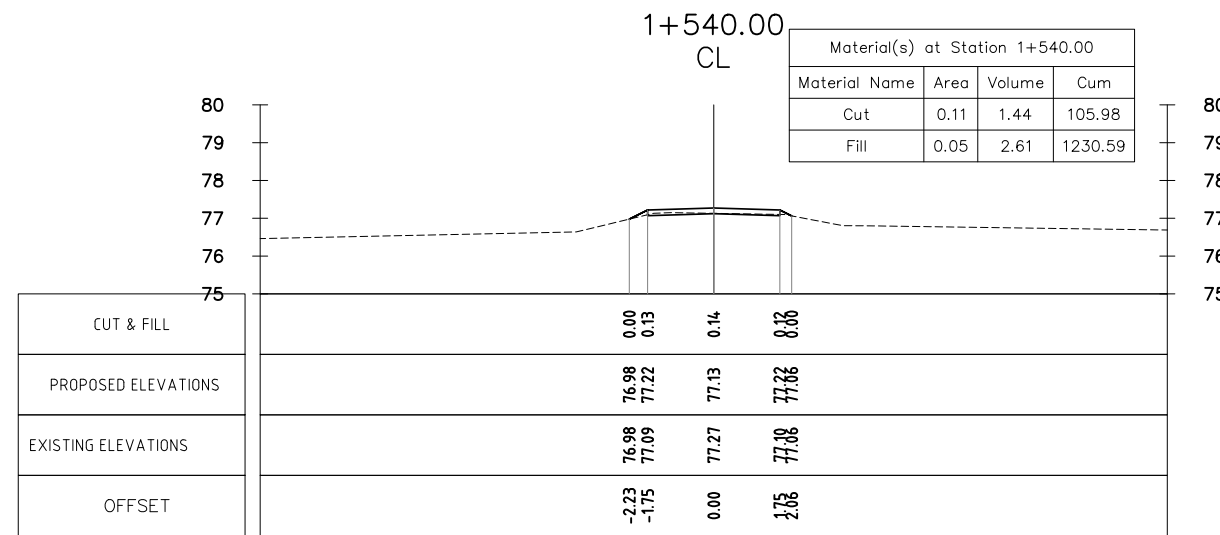
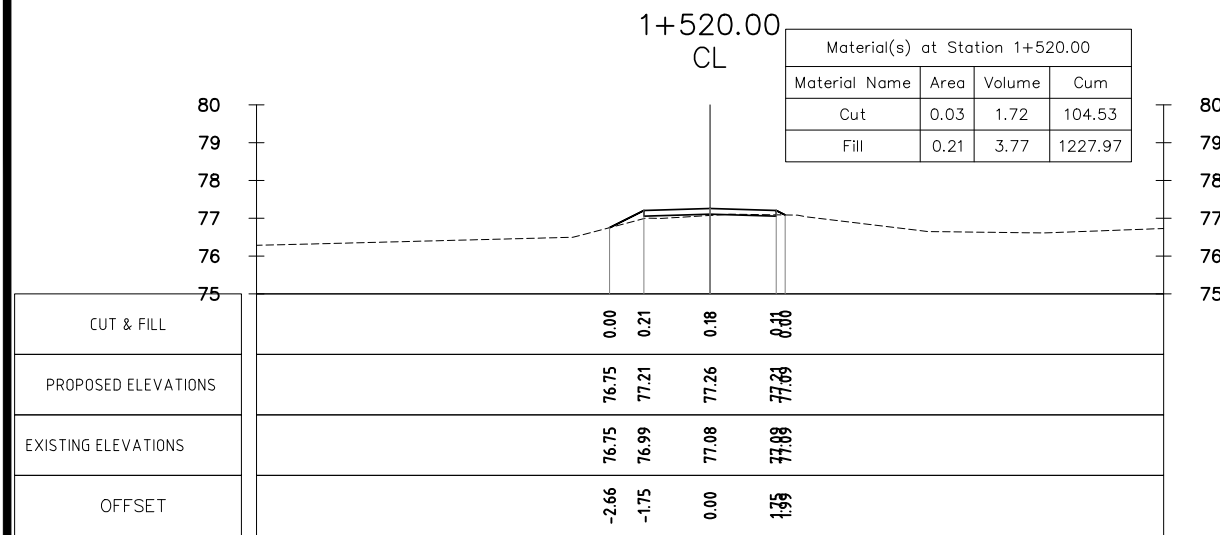
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TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 1+320-1+420			
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-144





REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

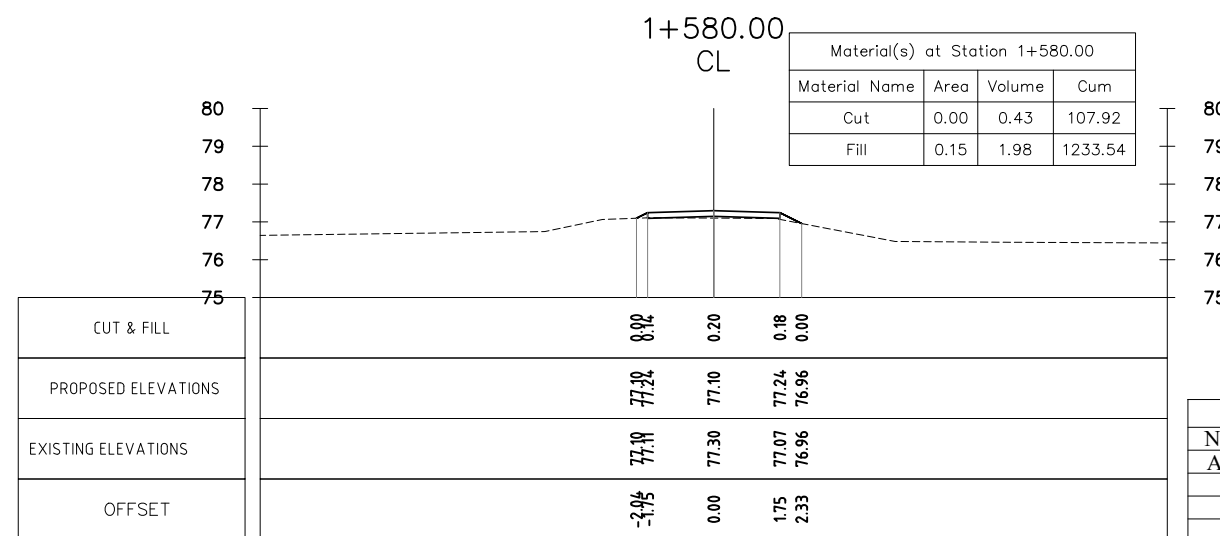
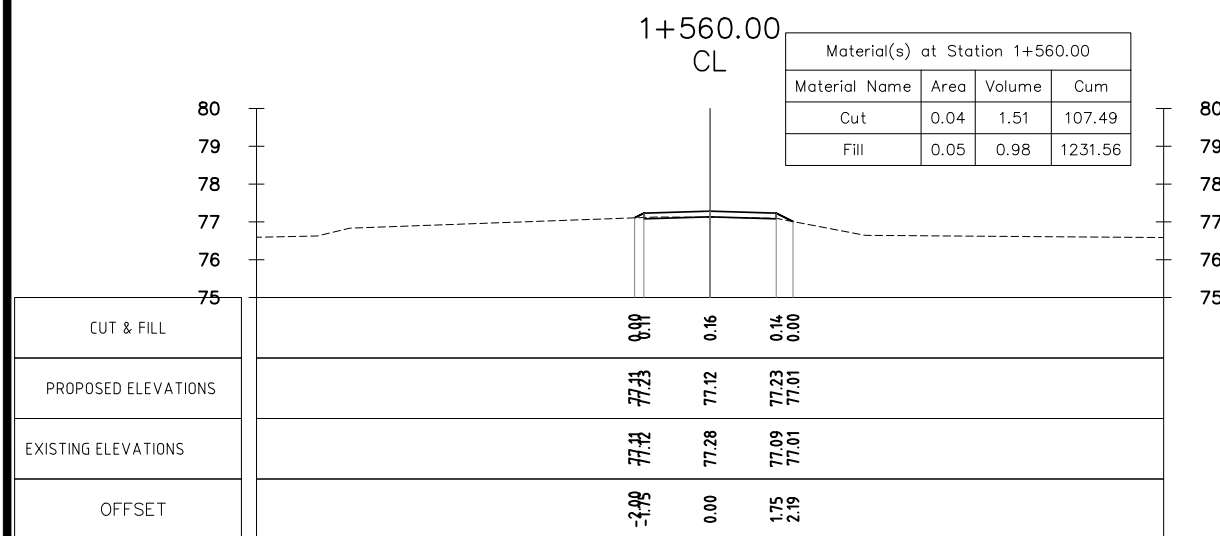
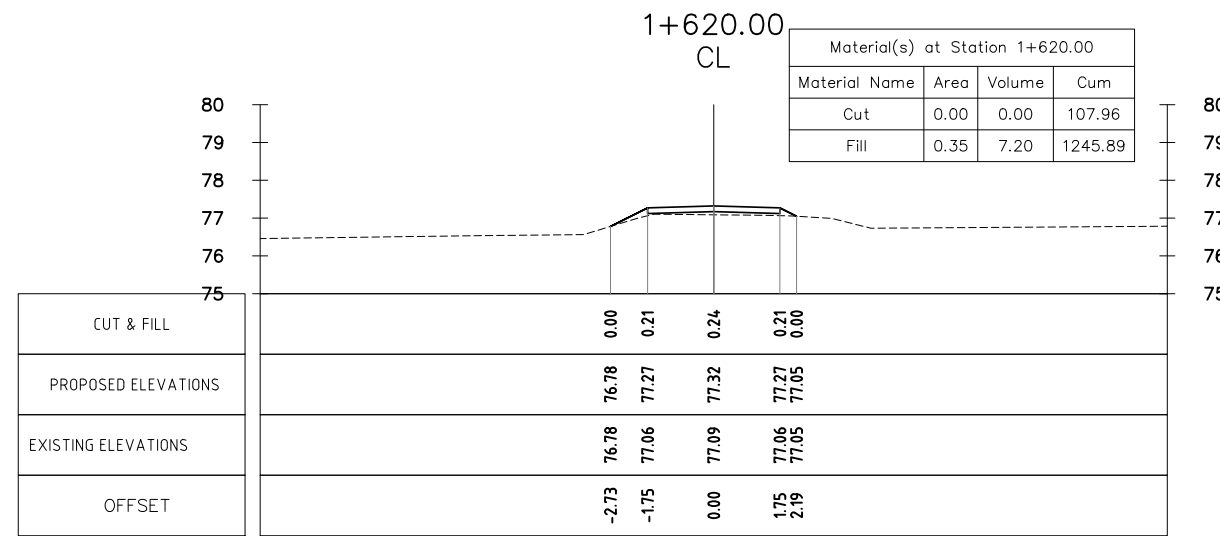
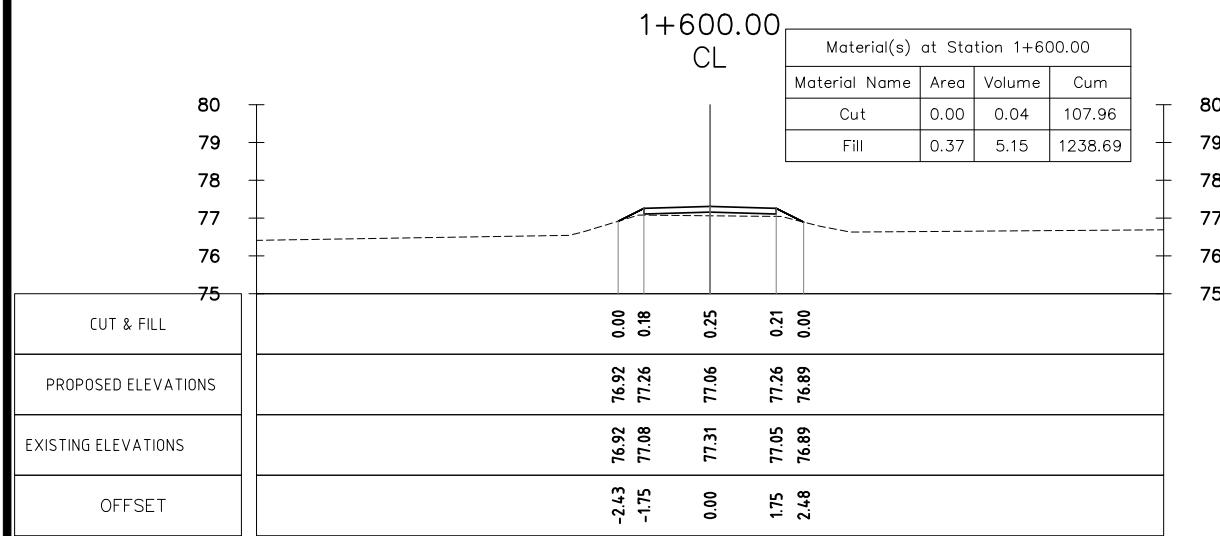
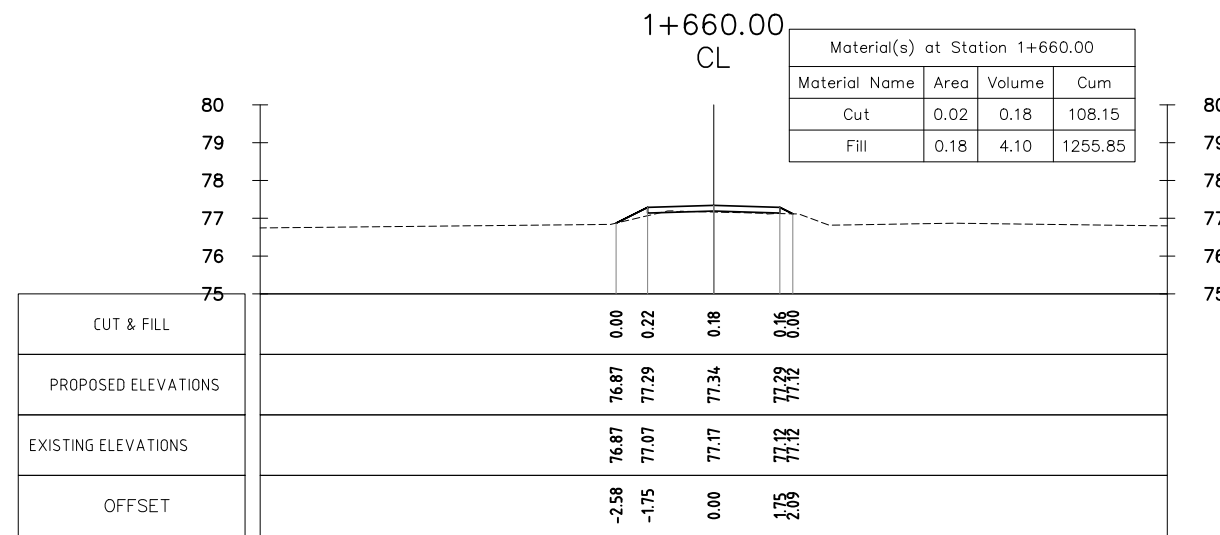
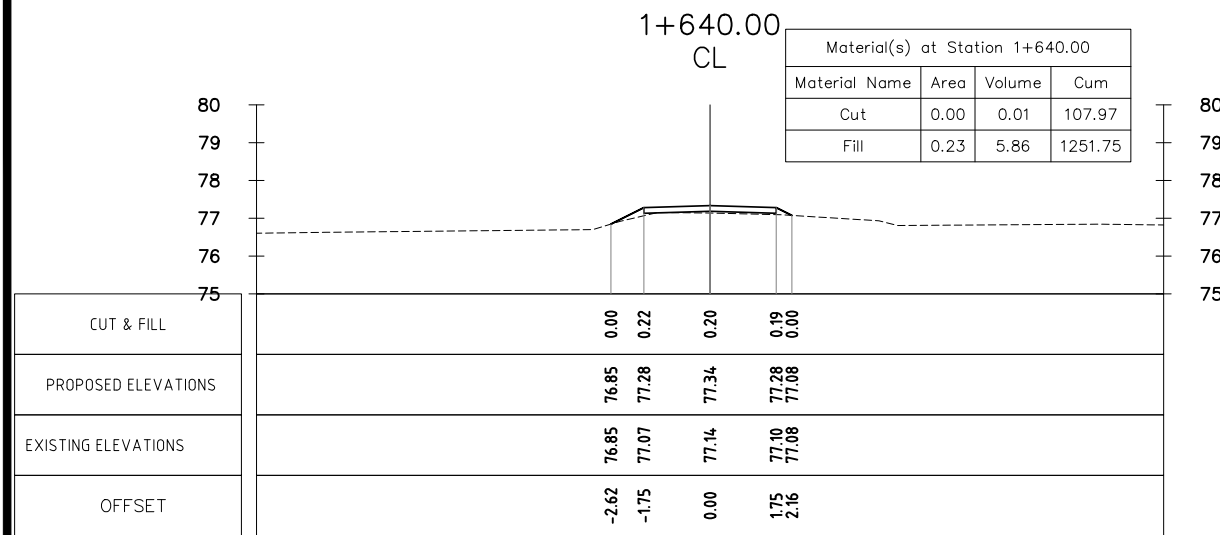


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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 1+440-1+540			
SCALE IN A3:	DATE :	DRAWING No. :	C-145
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE:  
 DATE:

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 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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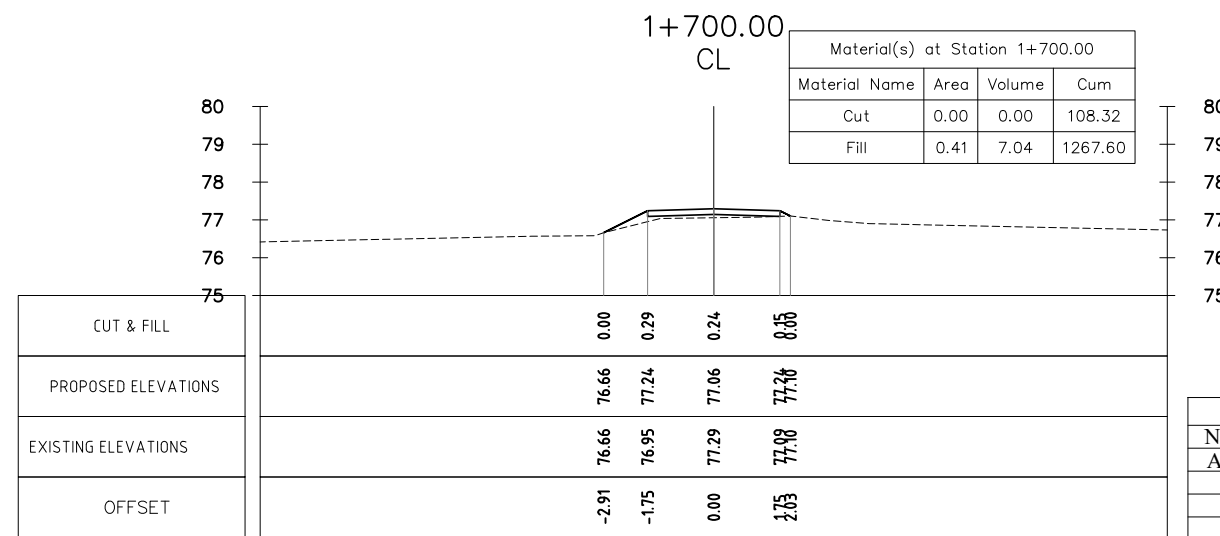
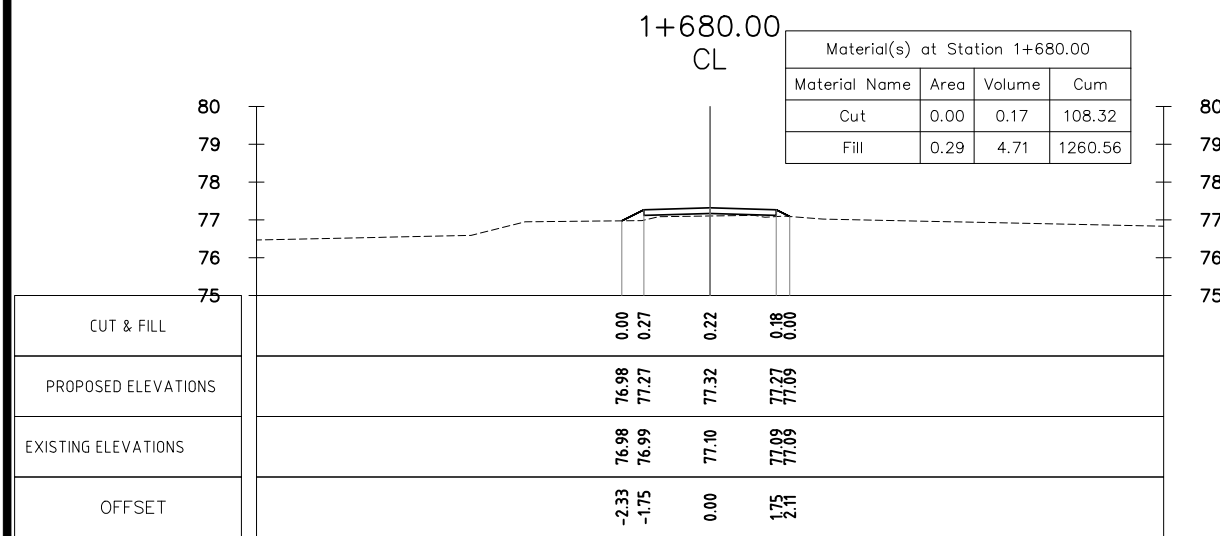
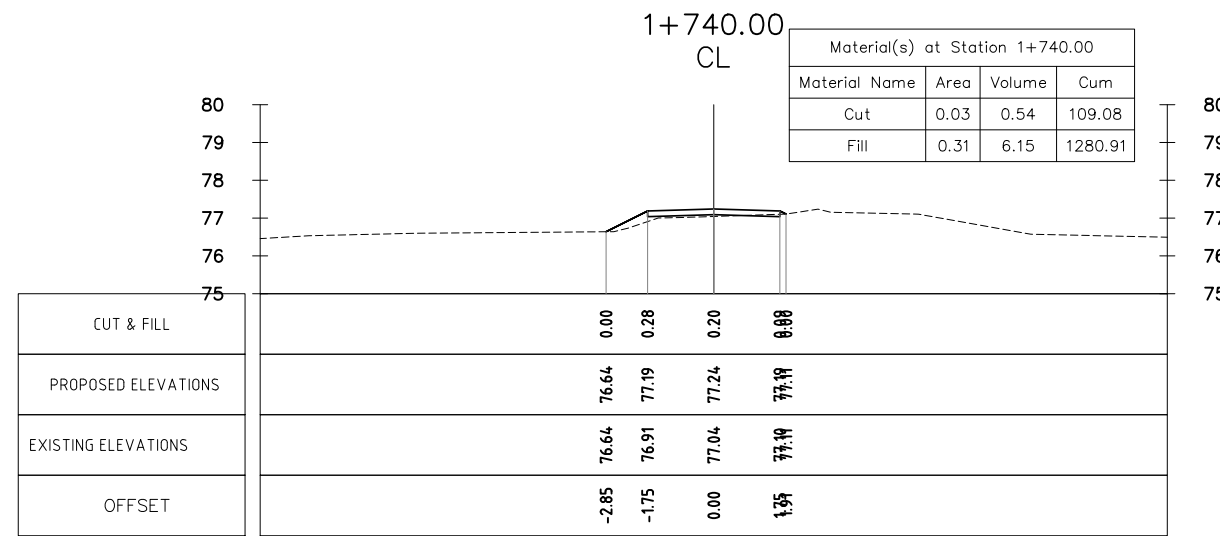
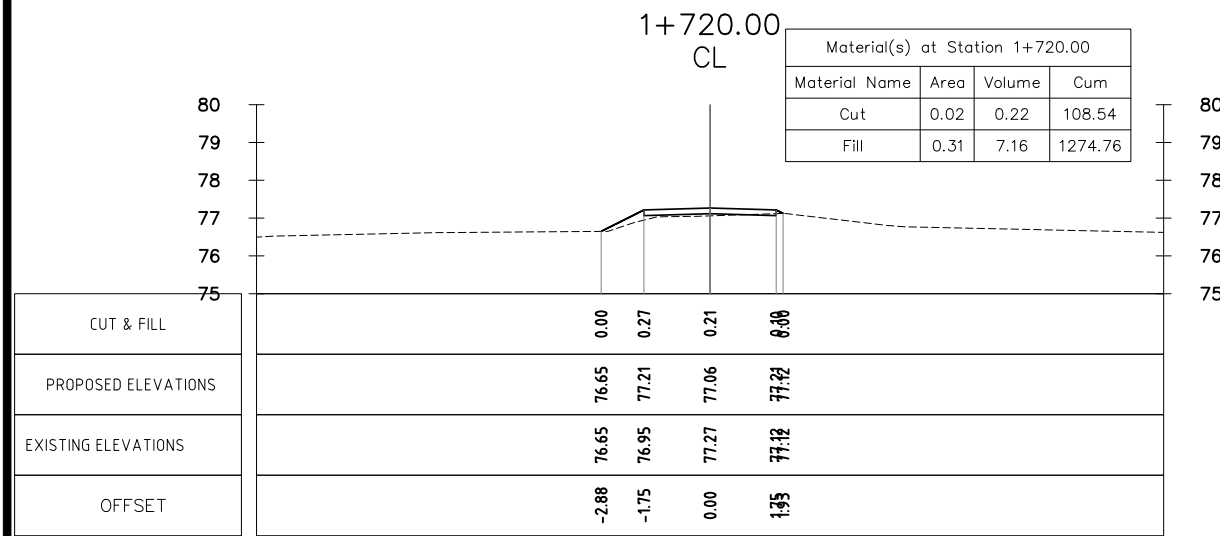
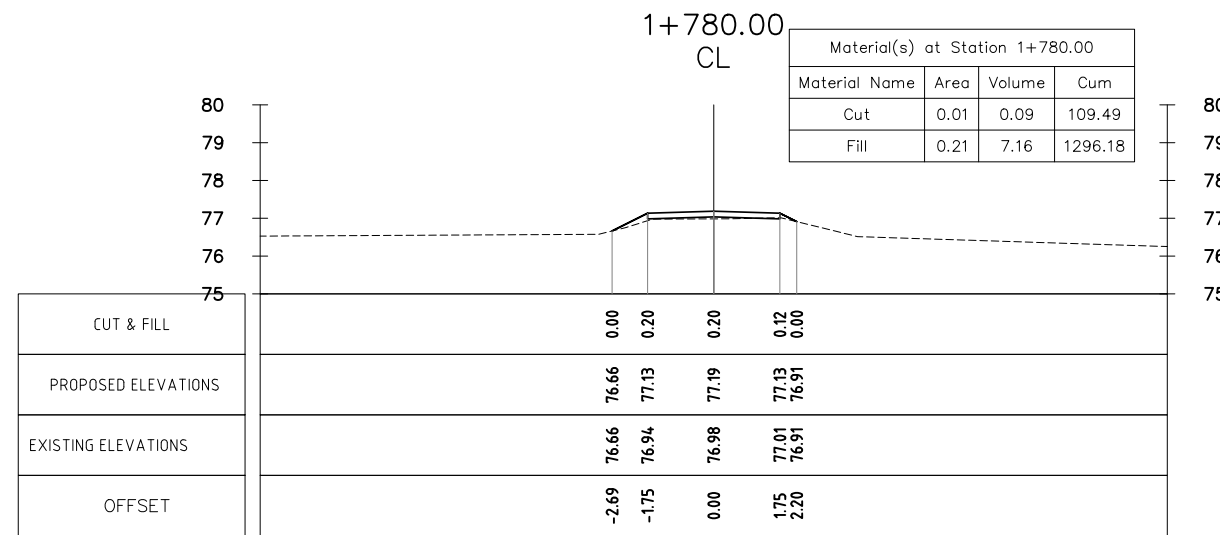
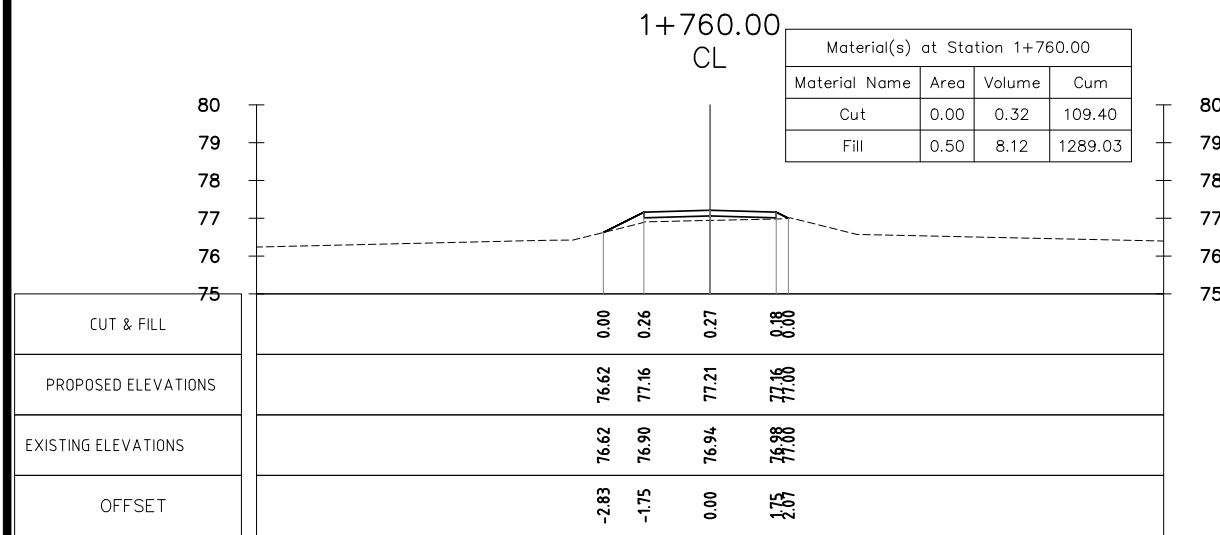
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 1+560-1+660

SCALE IN A3: 1/200      DATE :      DRAWING No. : LAO - NKS      C-146



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:  
DATE:

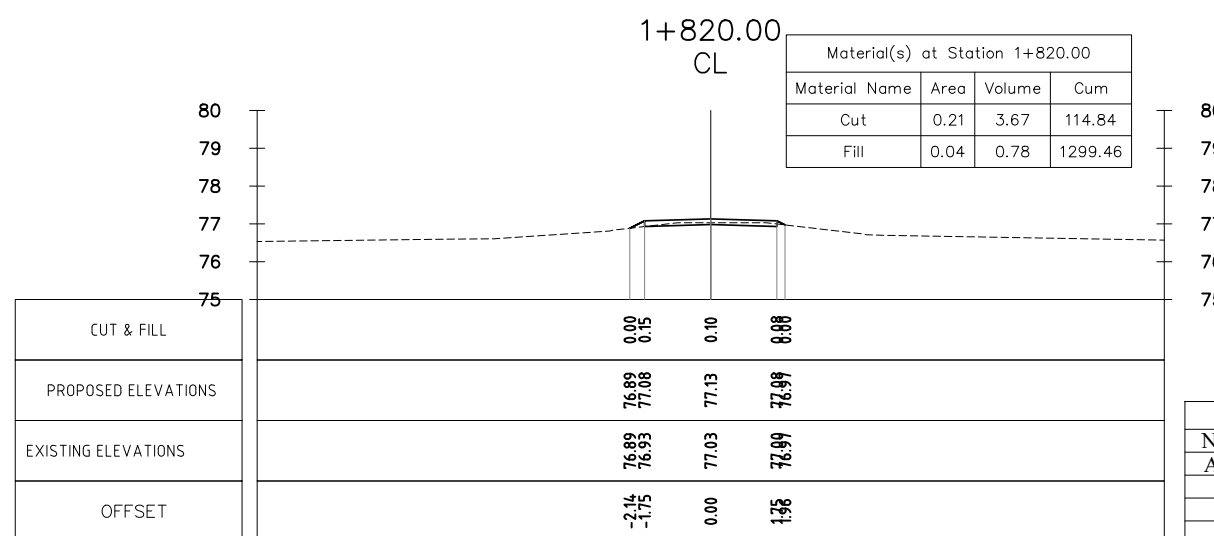
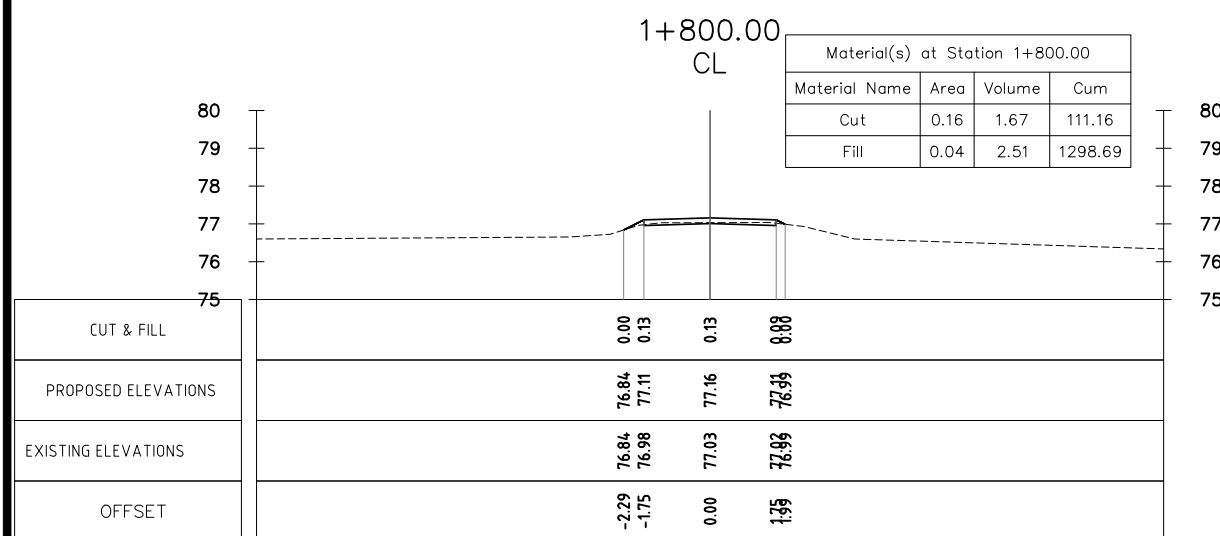
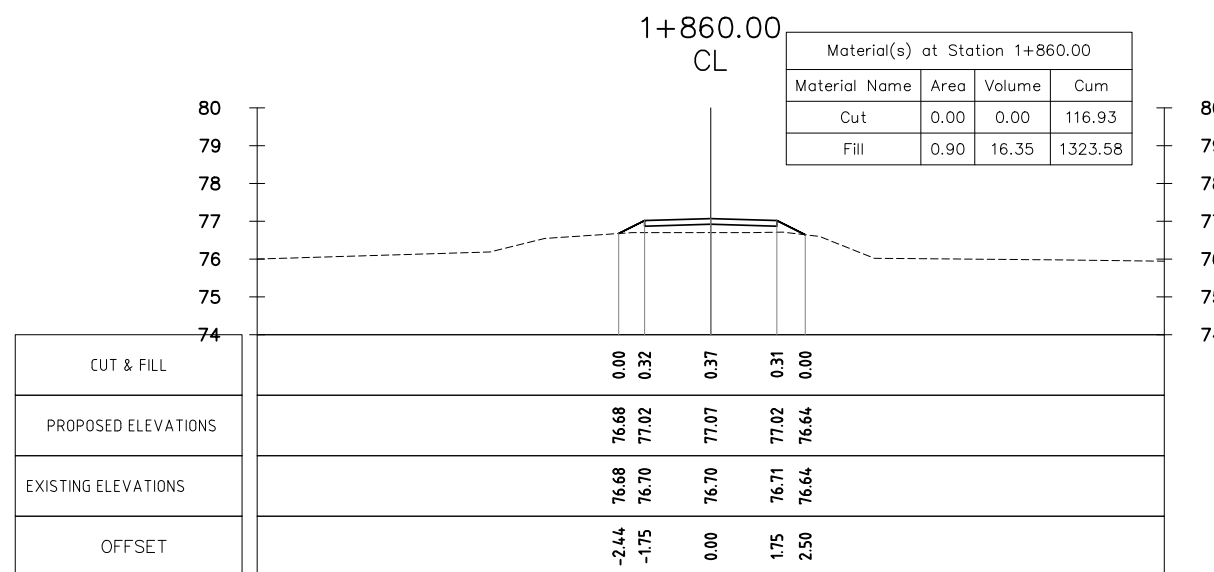
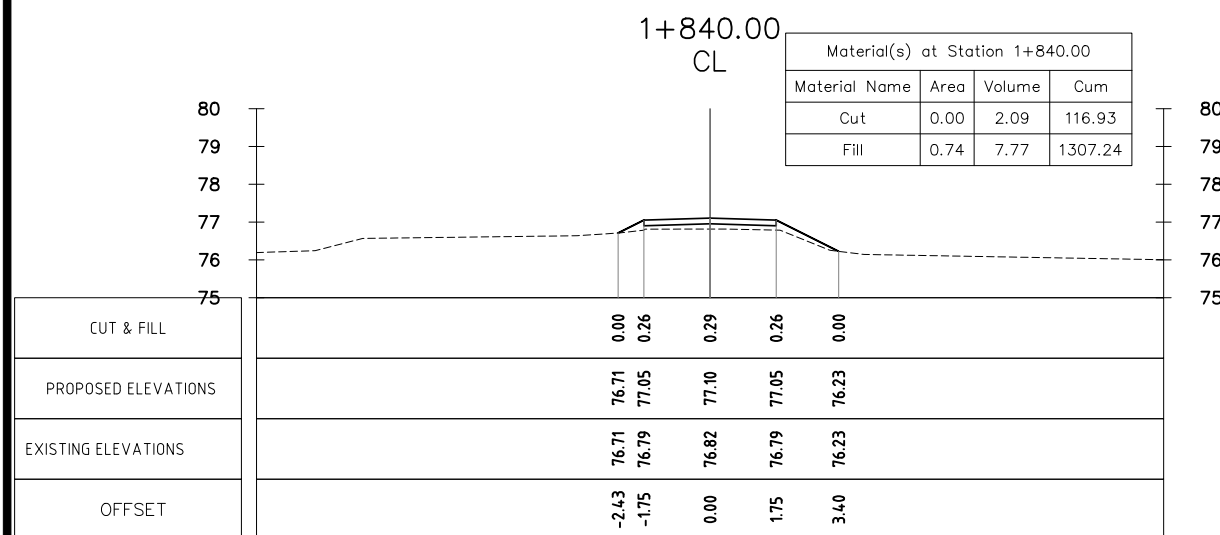
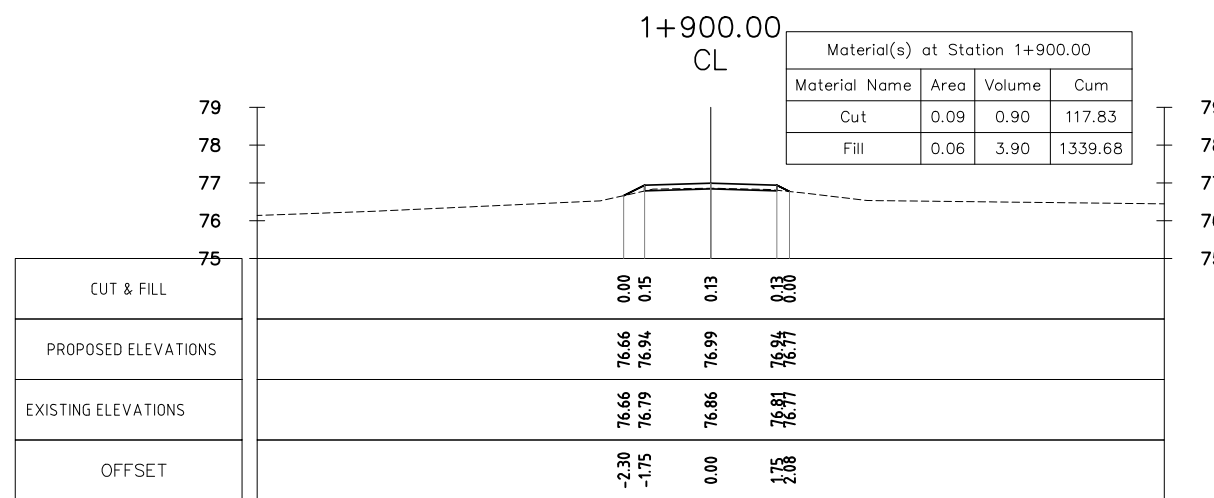
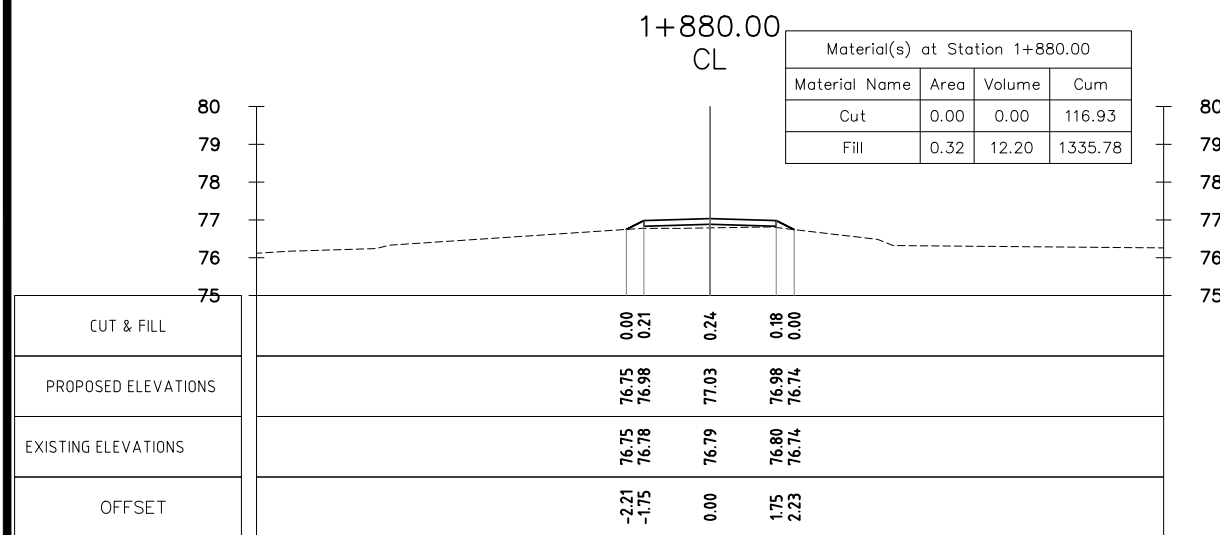


ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 1+680-1+780  
SCALE IN A3: 1/200  
DATE :  
DRAWING No. : LAO - NKS  
C-147



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

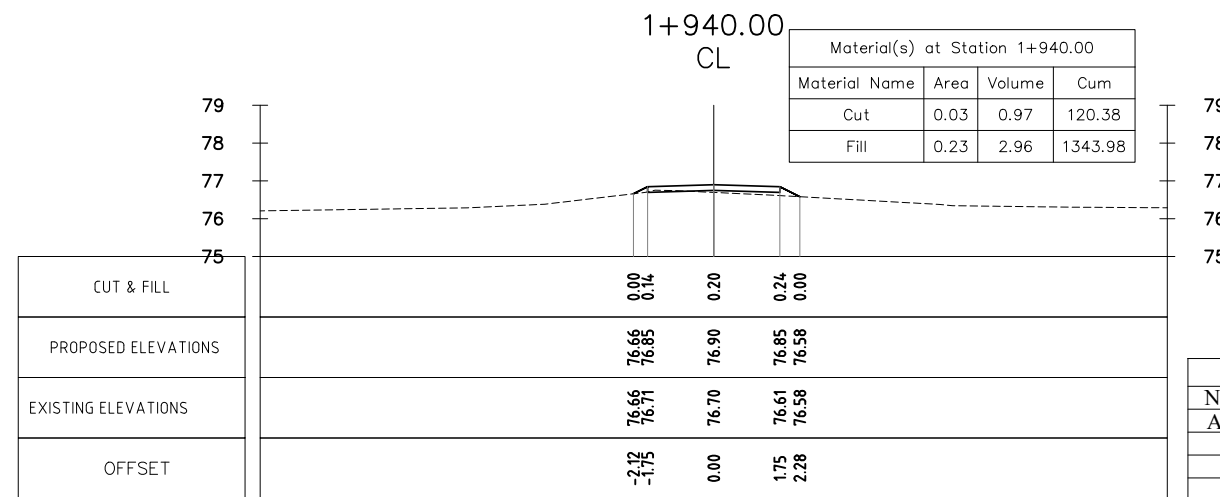
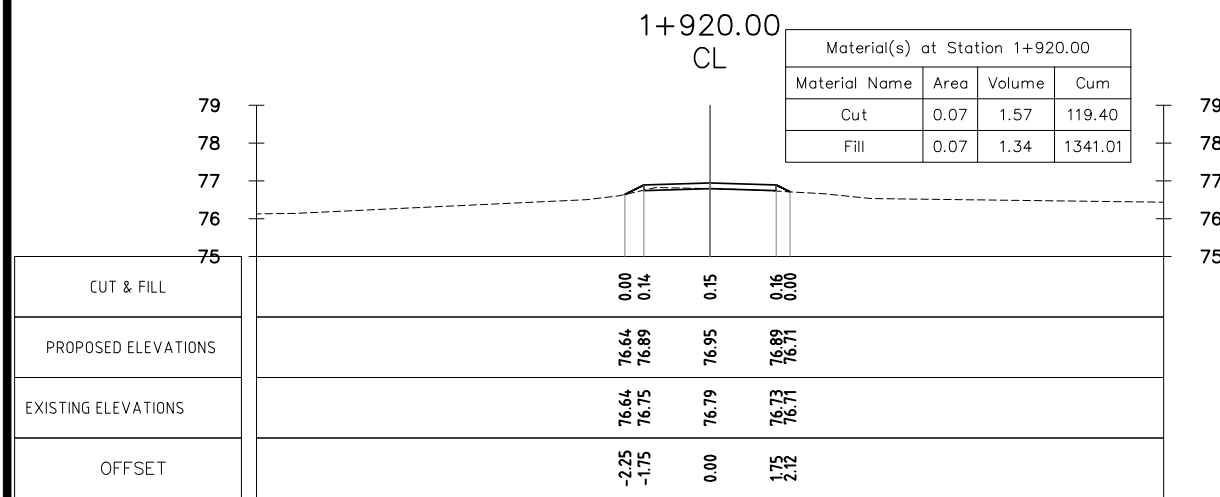
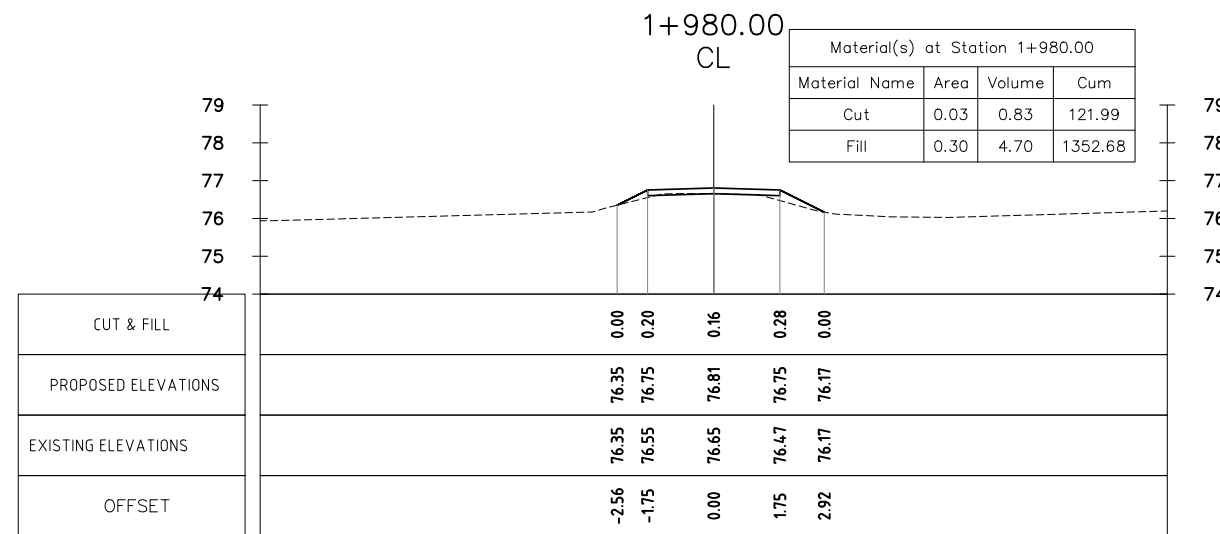
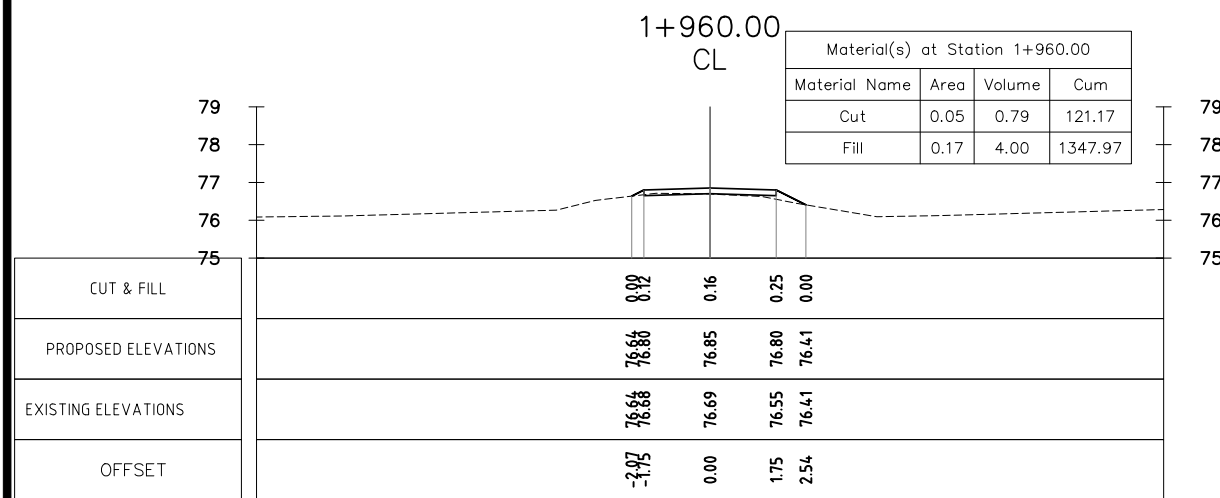
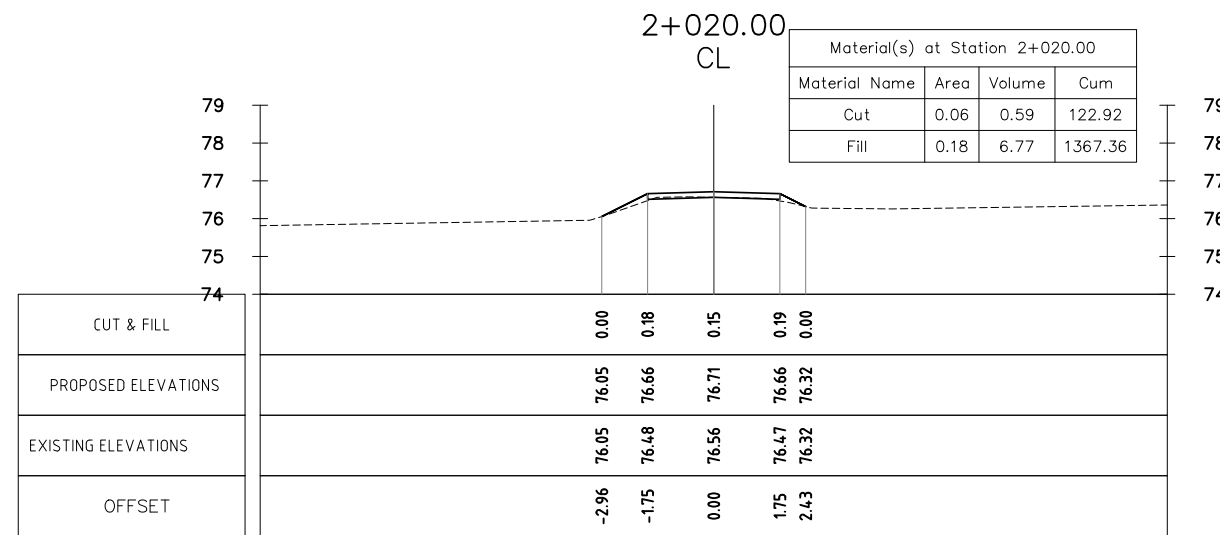
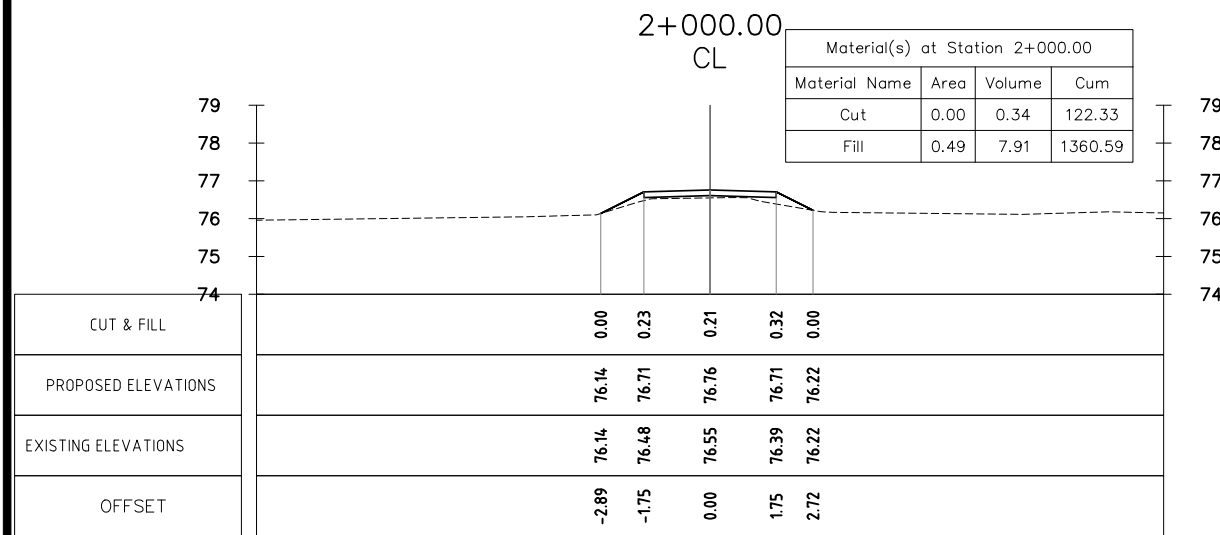
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ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 1+800-1+900			
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-148



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
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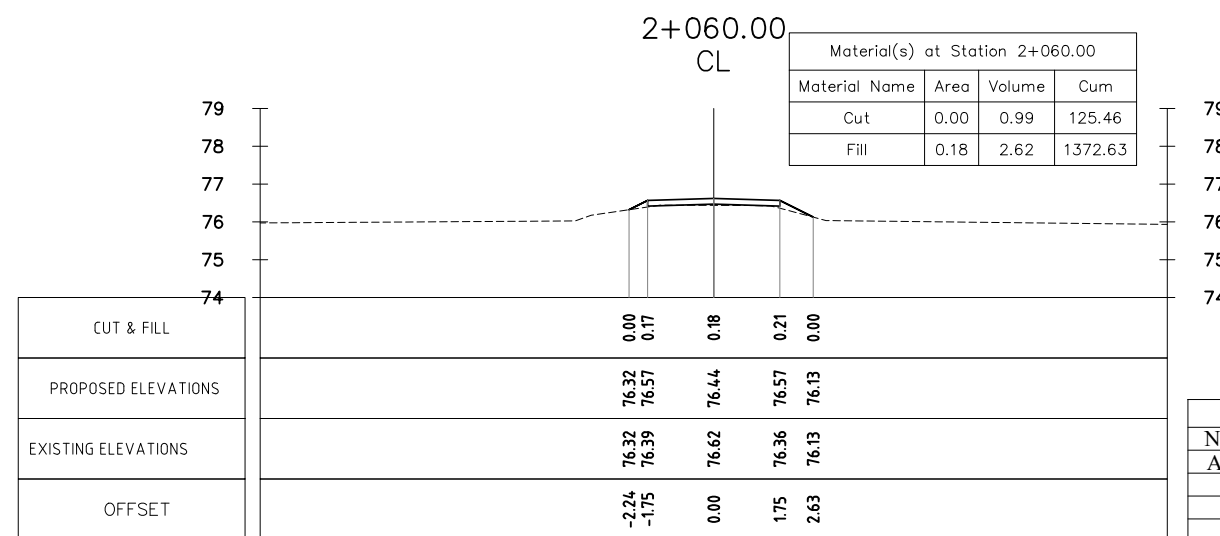
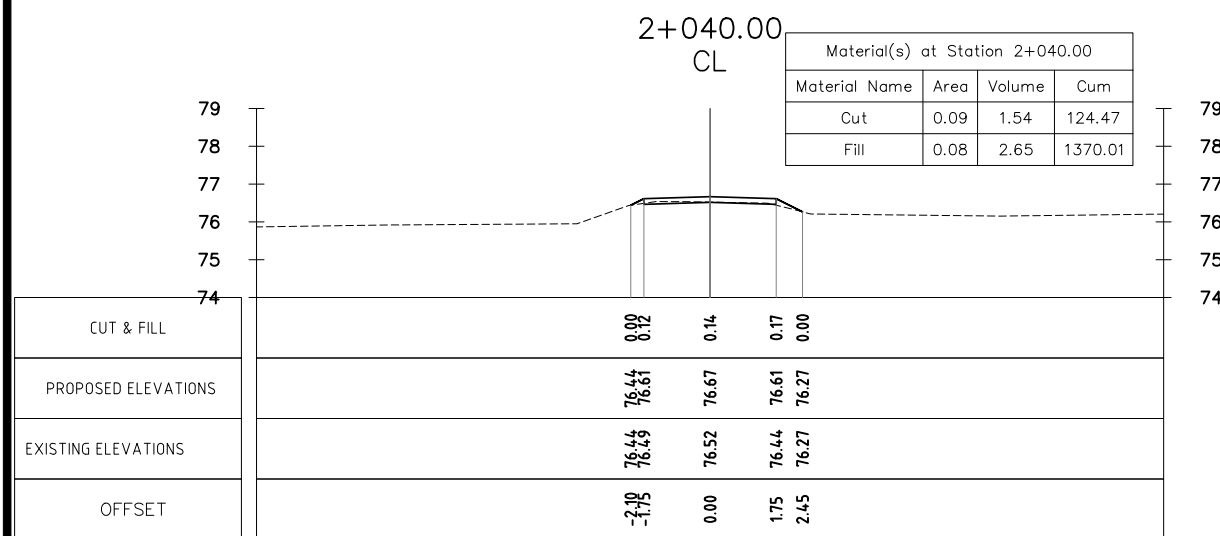
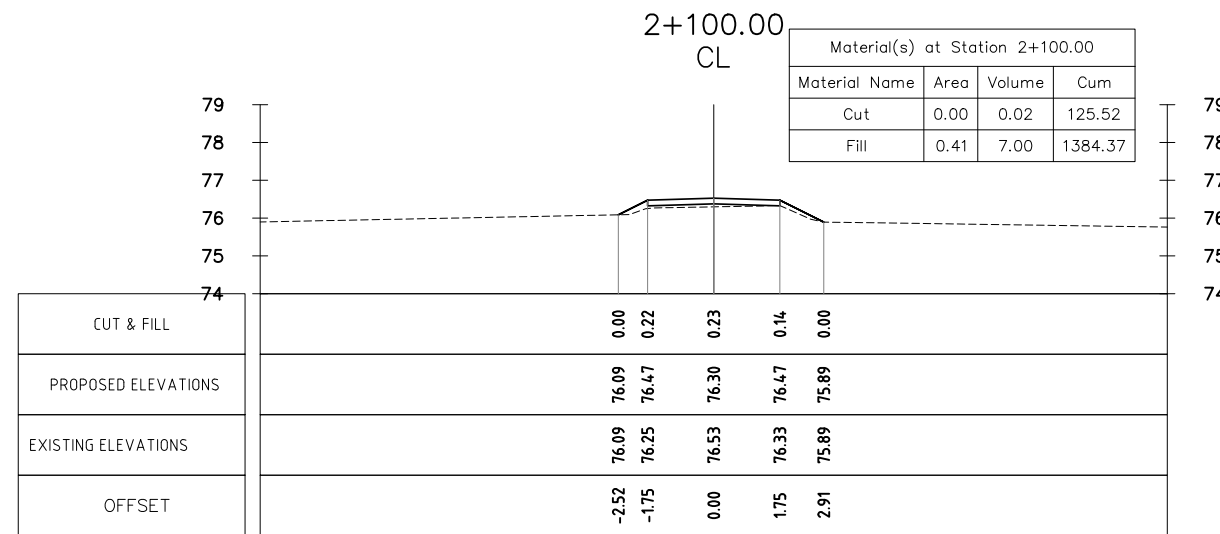
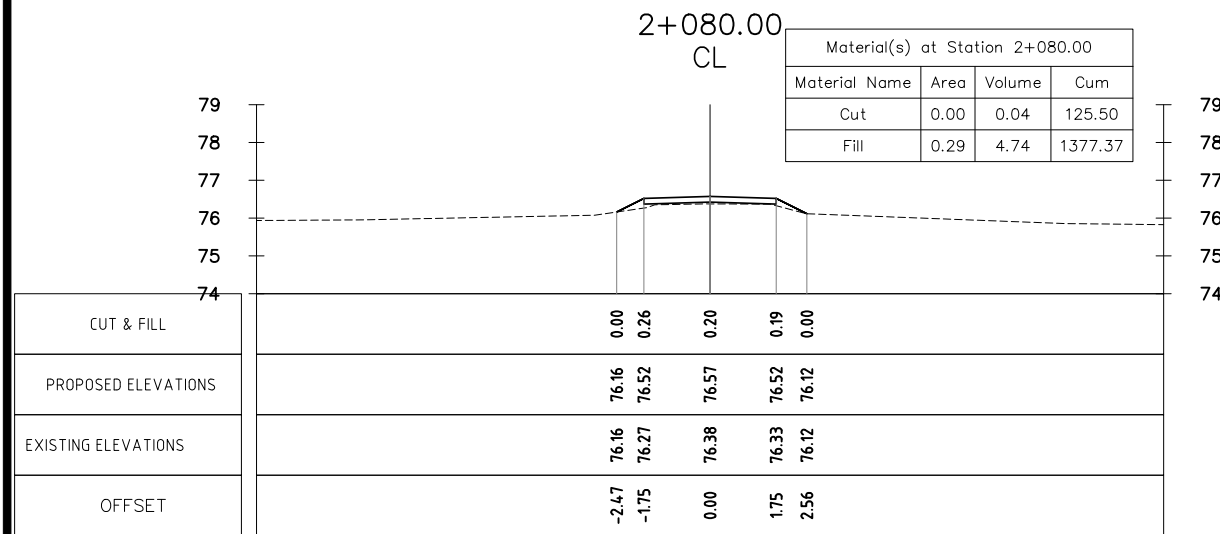
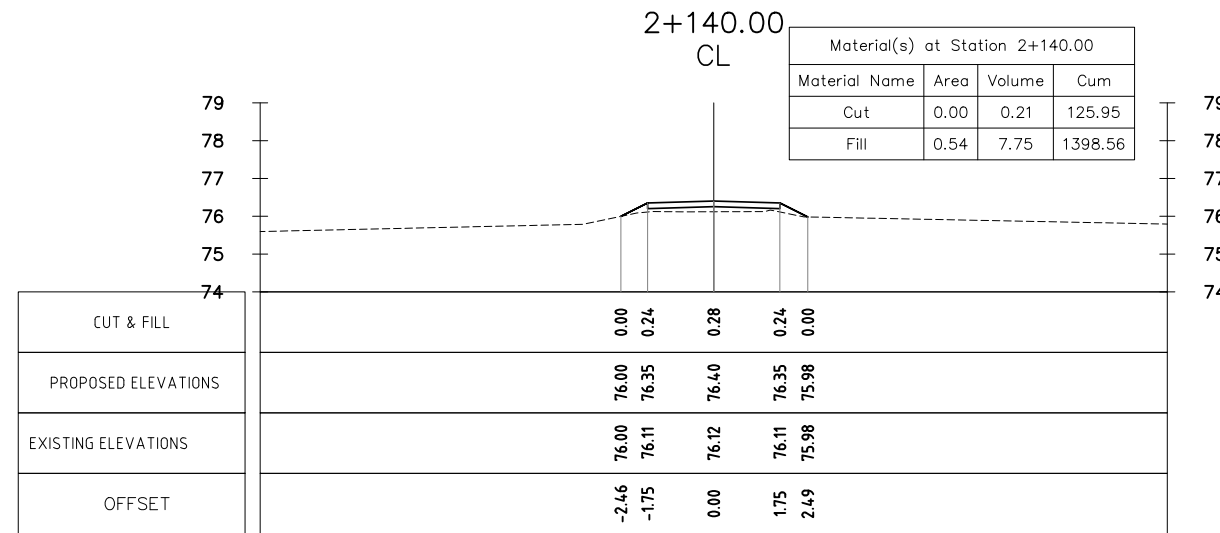
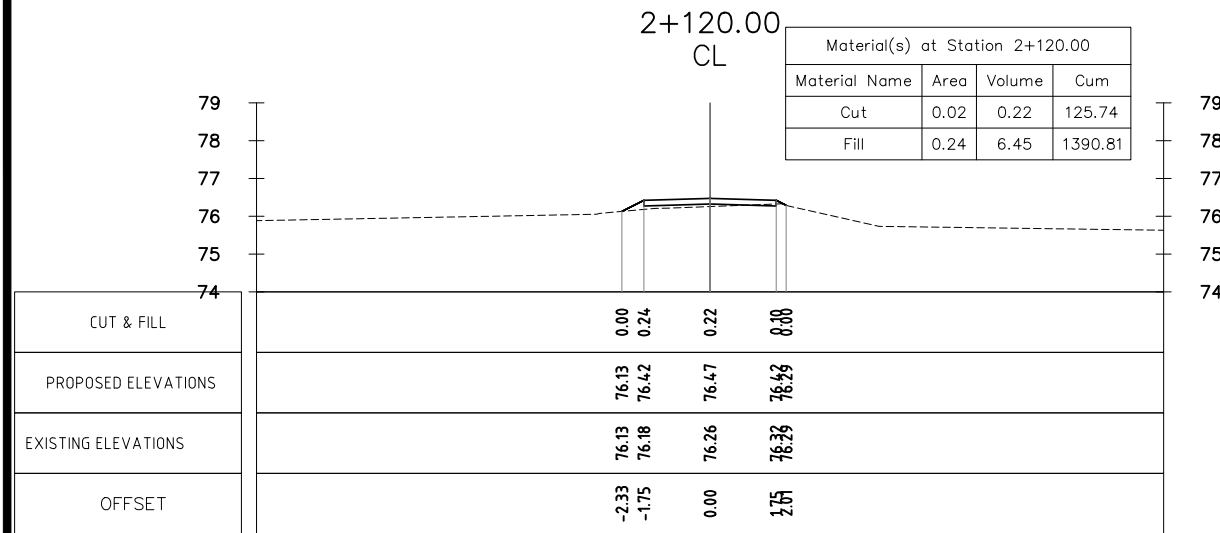
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

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PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 1+920-2+020			
SCALE IN A3:	DATE :	DRAWING No. :	C-149
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
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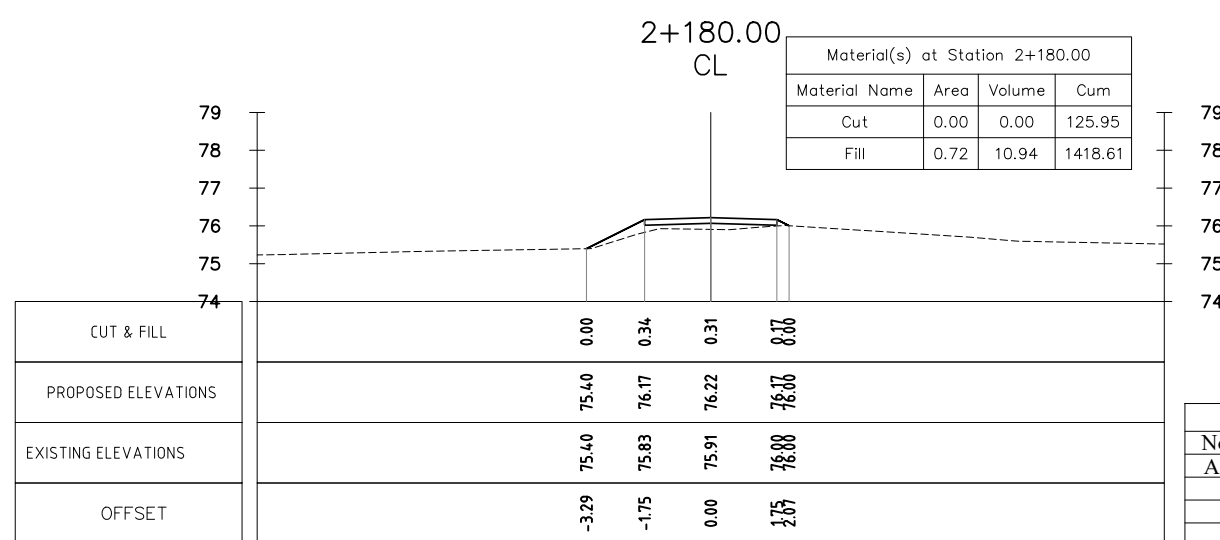
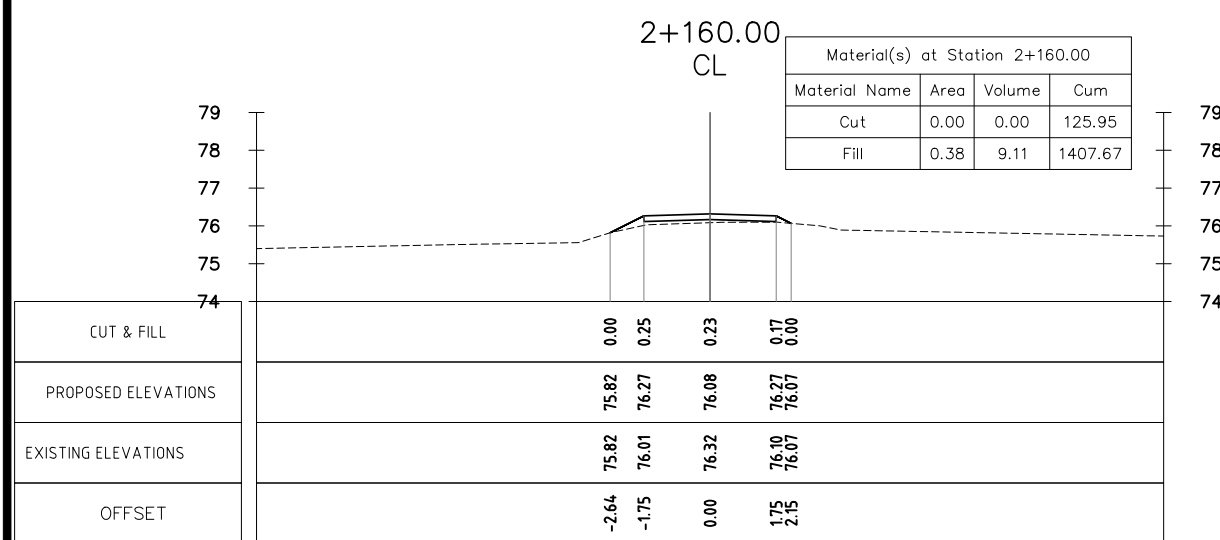
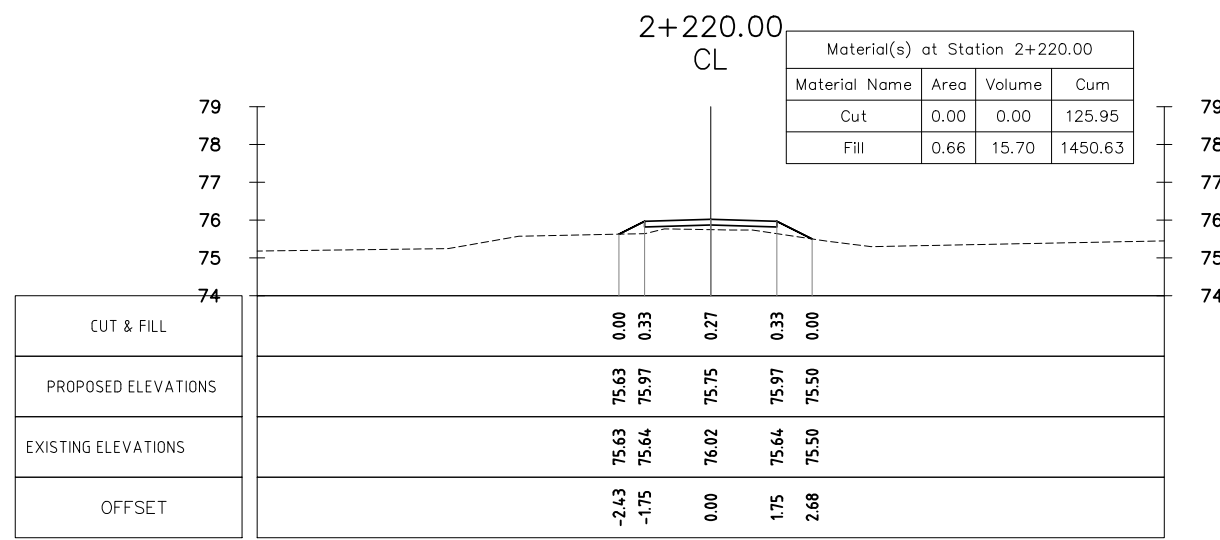
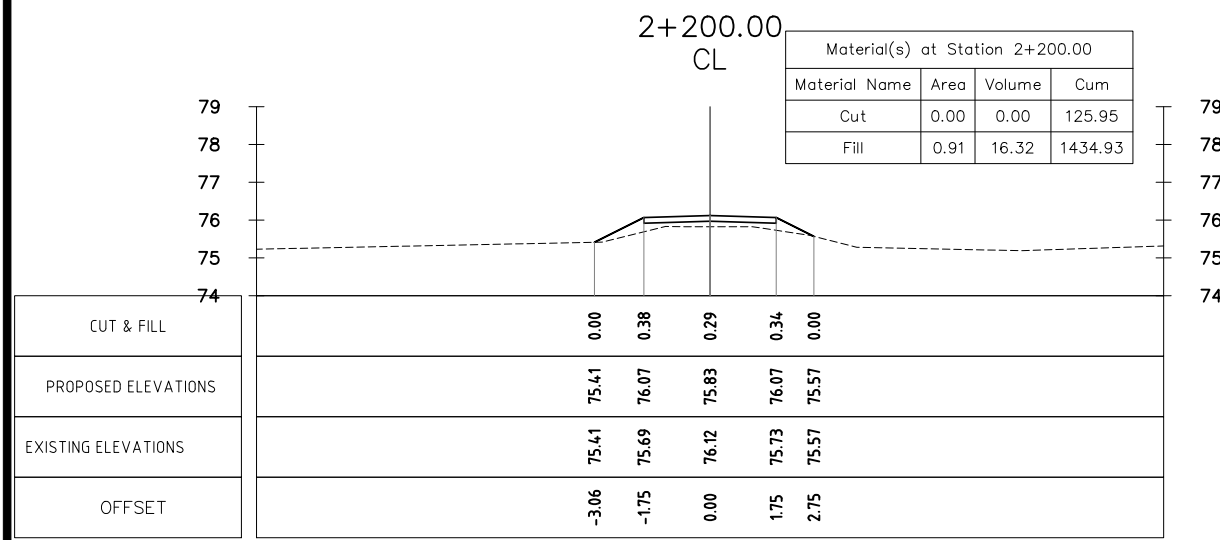
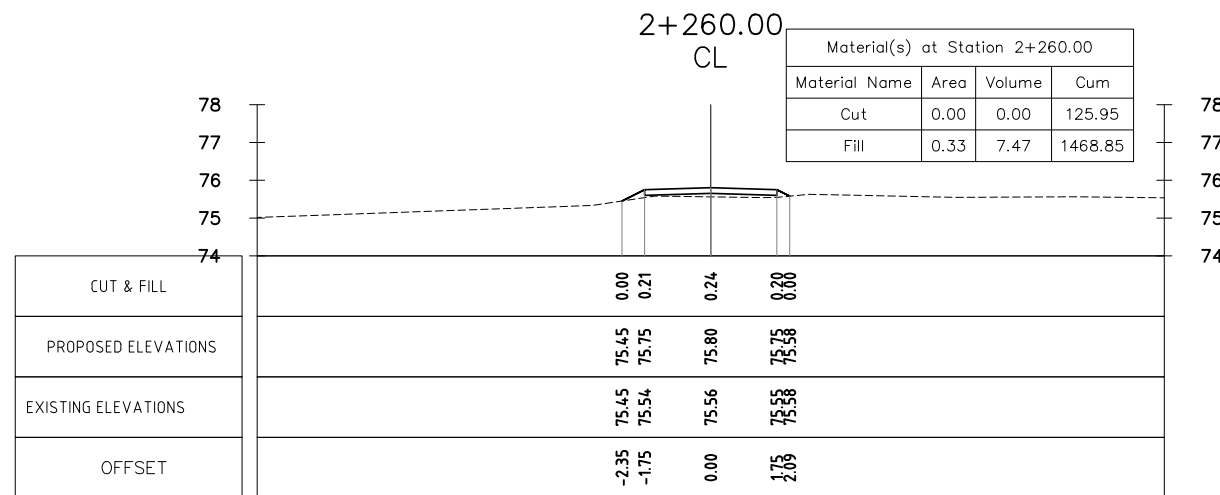
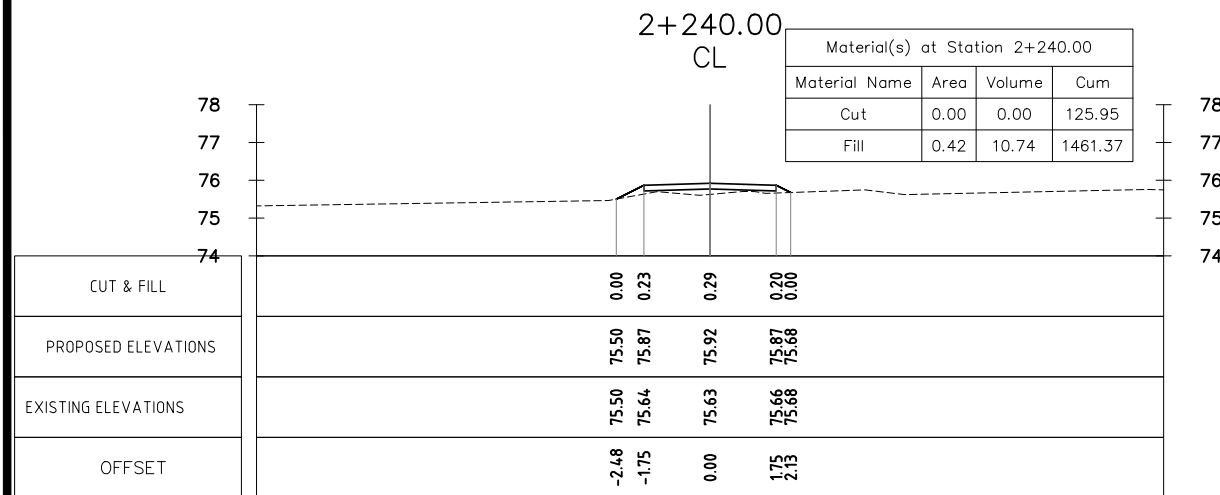
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ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
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PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 2+040-2+140			
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-150



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18


Designed: TO  
 Drawing: SS  
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TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



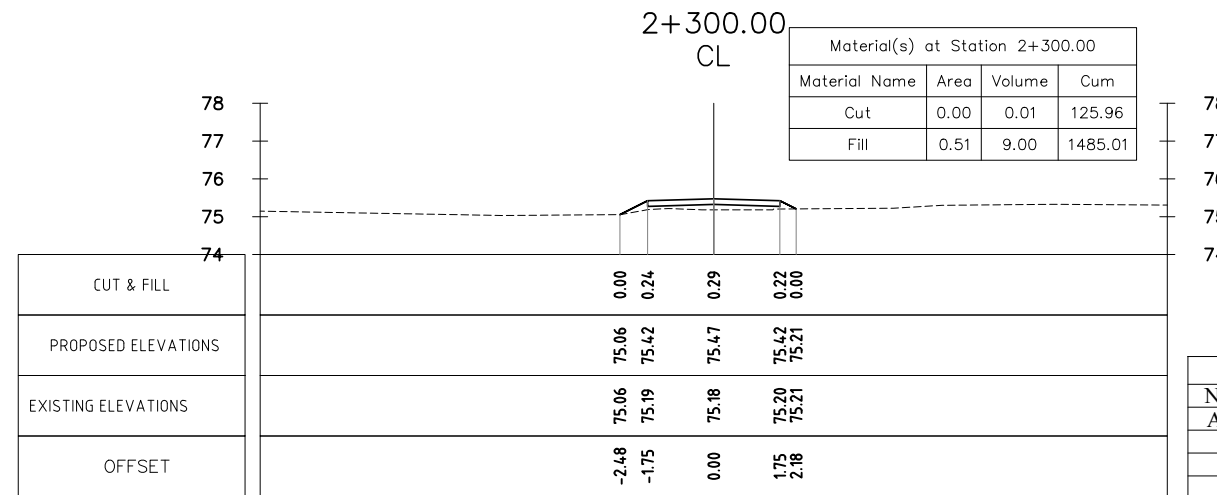
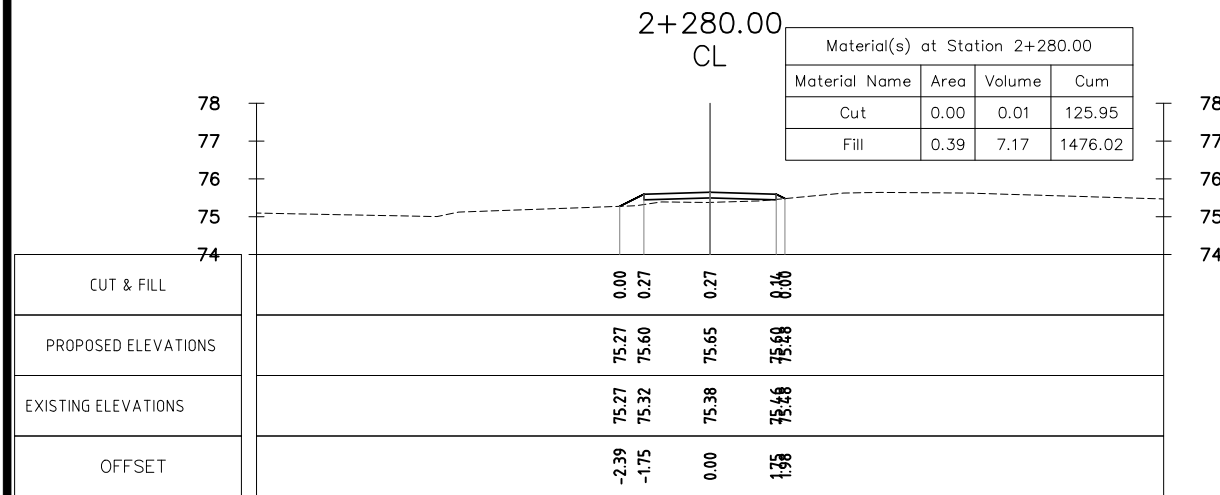
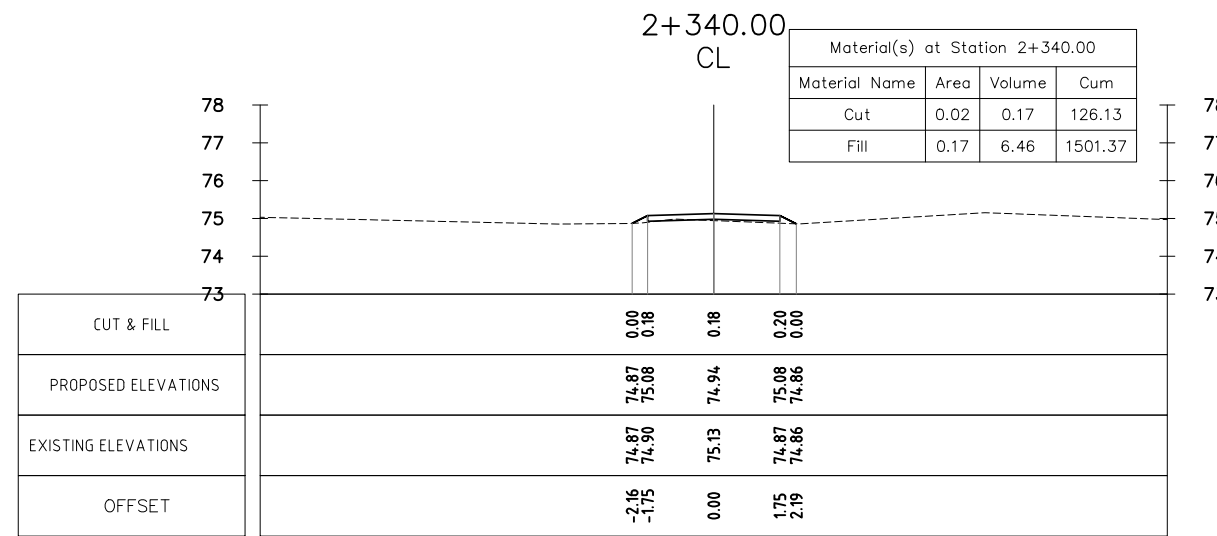
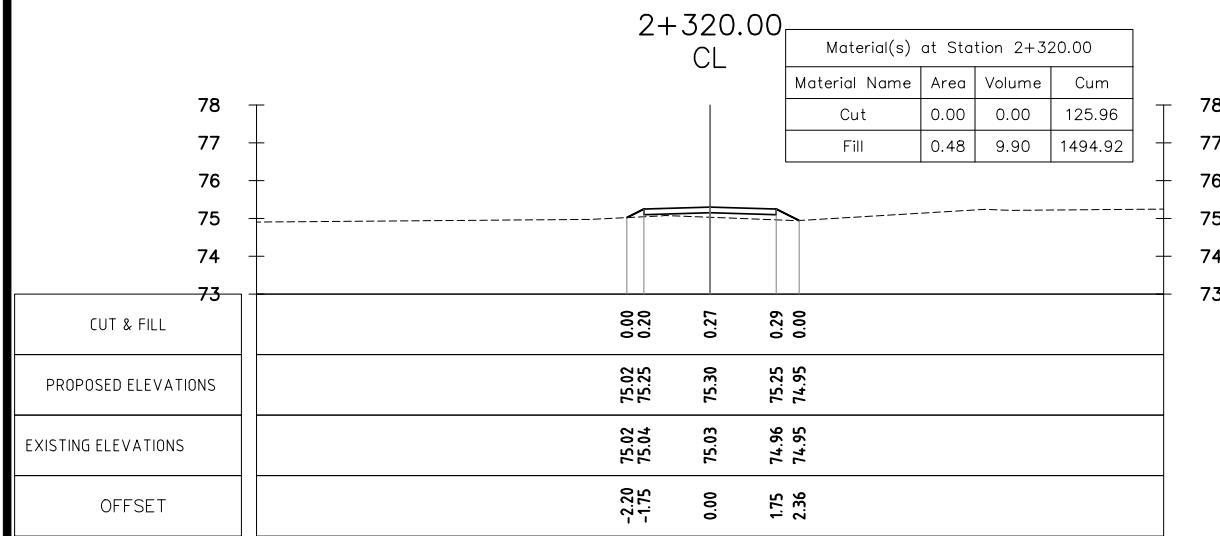
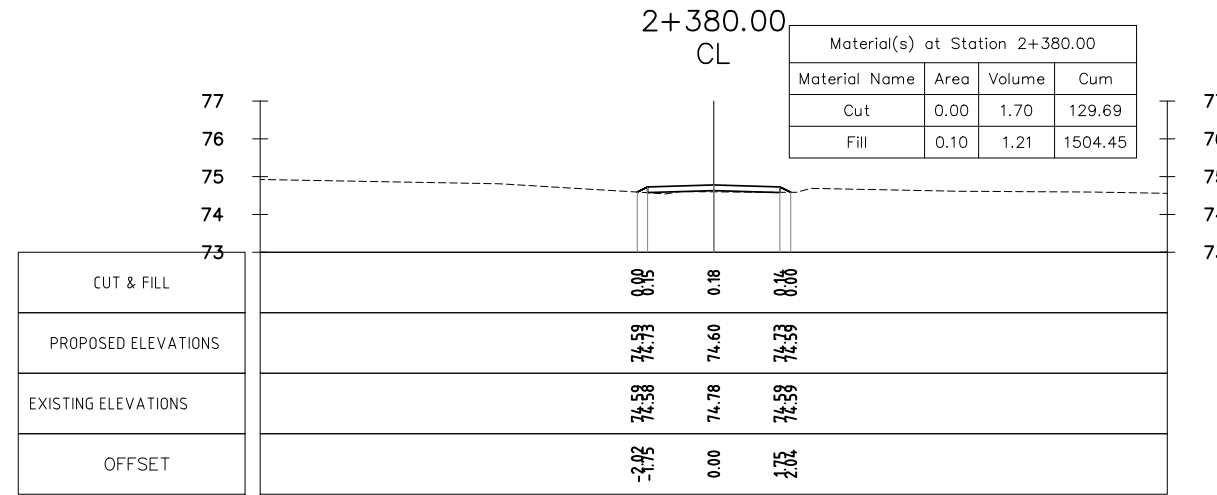
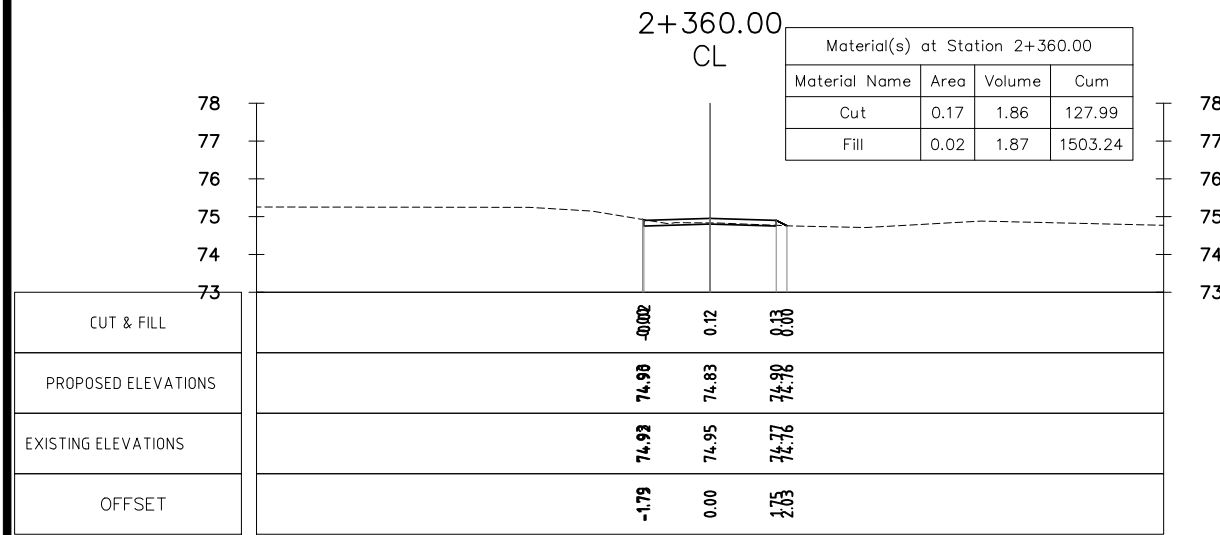



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 2+160-2+260

SCALE IN A3: 1/200      DATE :      DRAWING No. :      C-151

LAO - NKS



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:  
DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
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Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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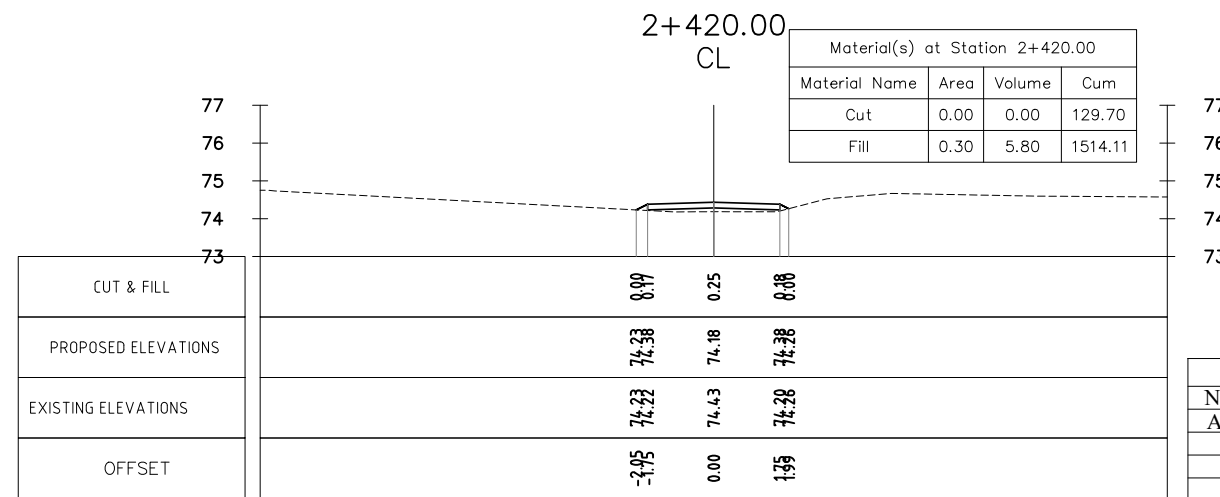
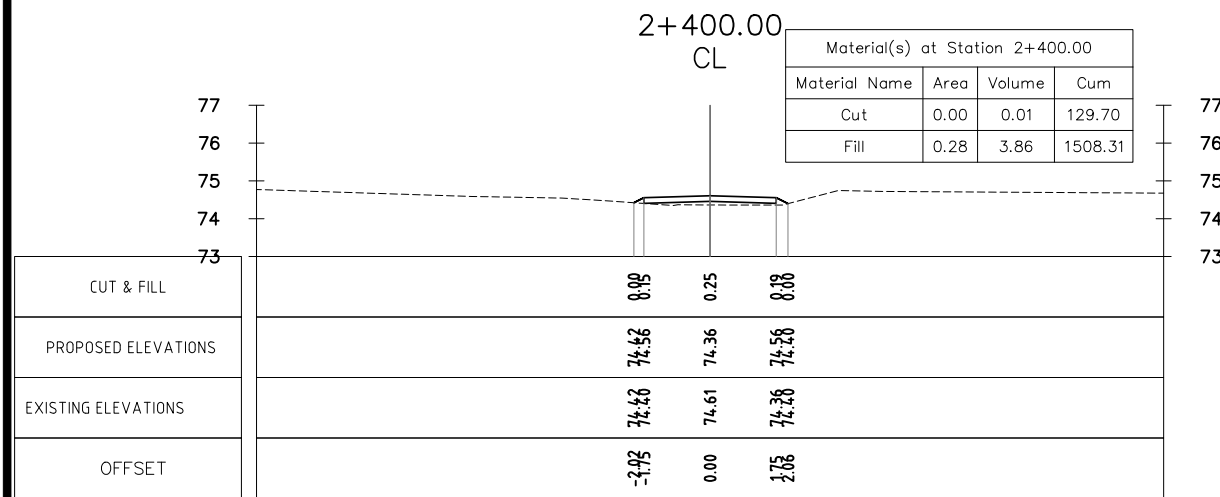
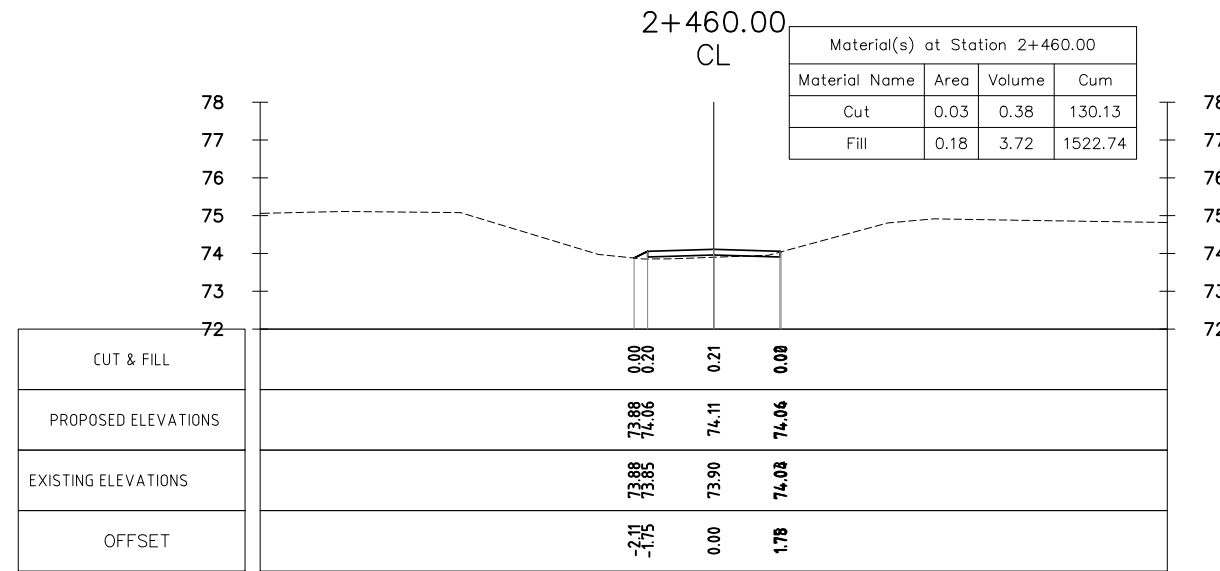
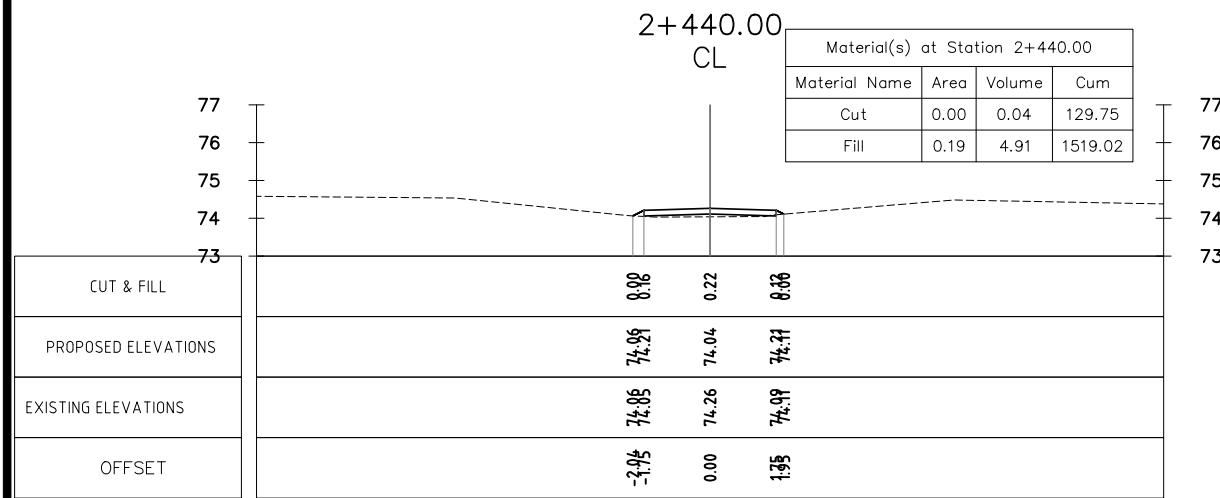
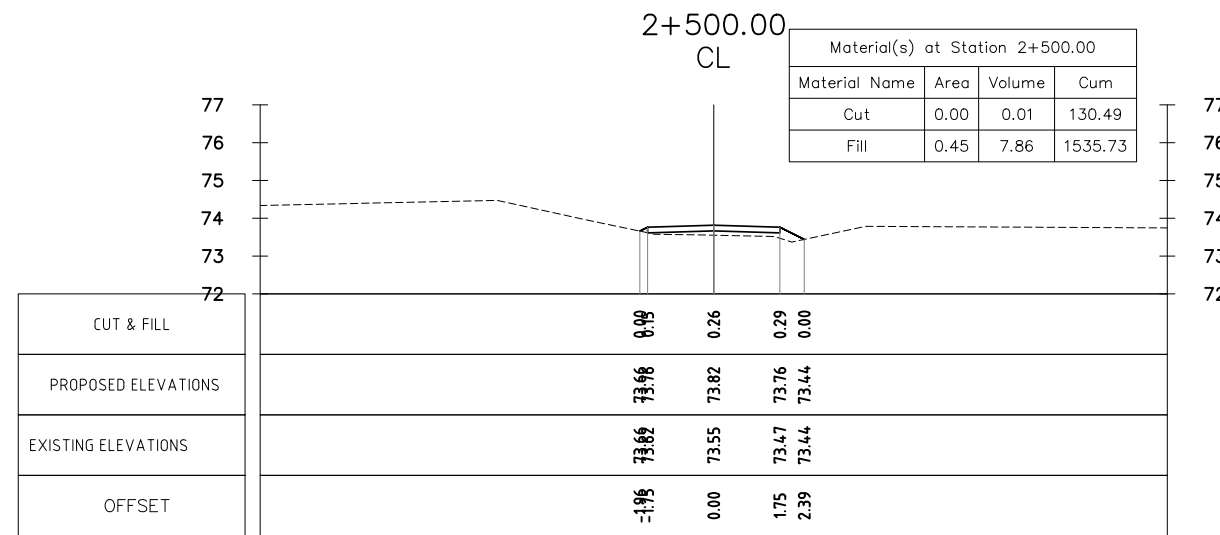
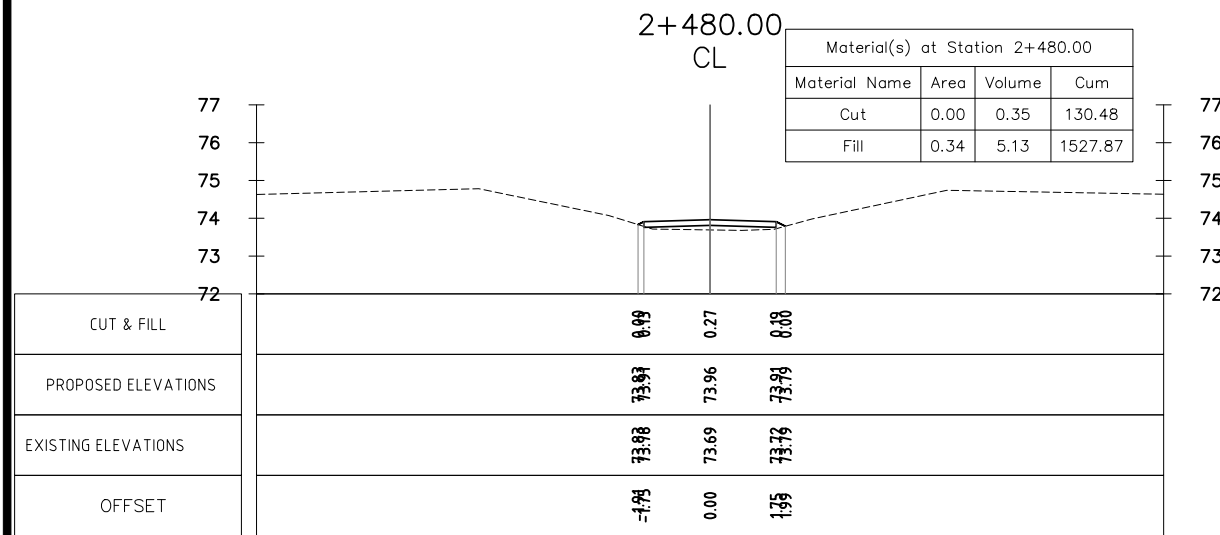


PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 2+280-2+380

SCALE IN A3: 1/200 DATE : DRAWING No. : C-152  
LAO - NKS





REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE:  
 DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
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PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

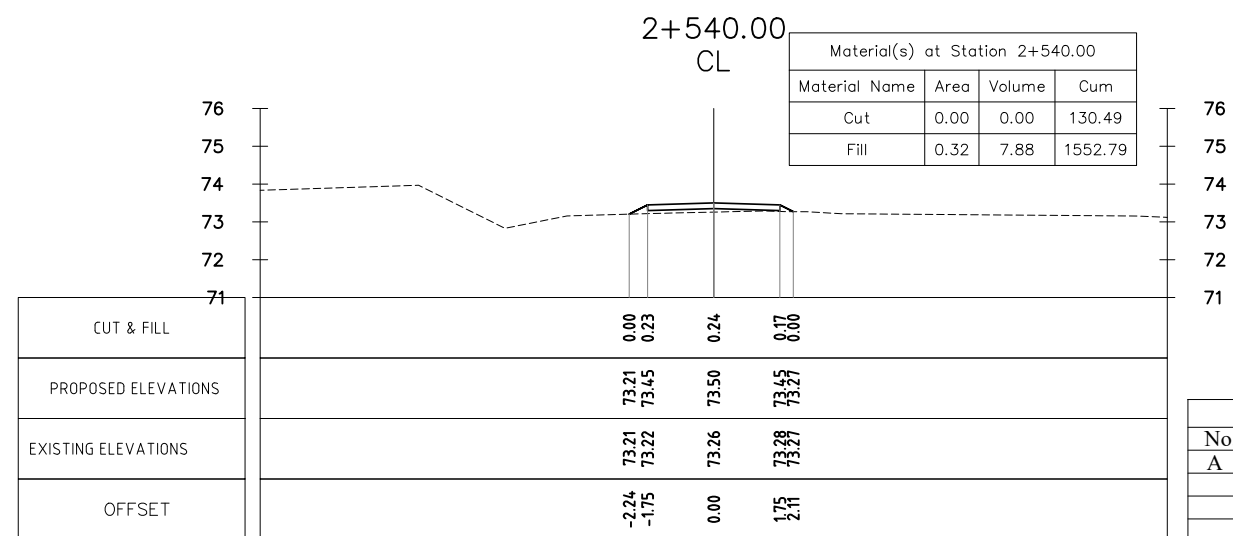
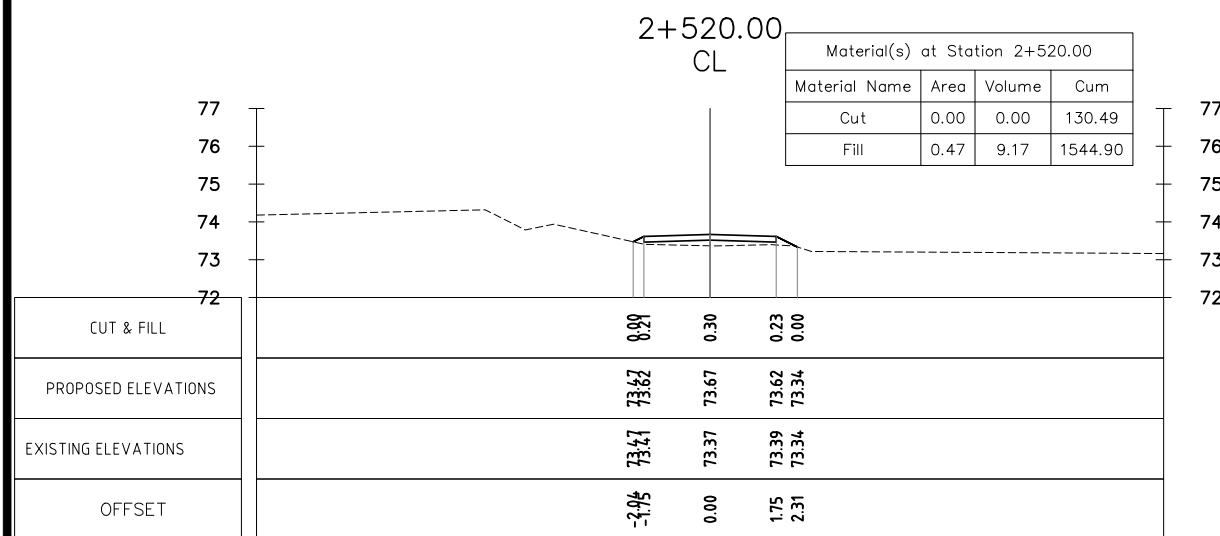
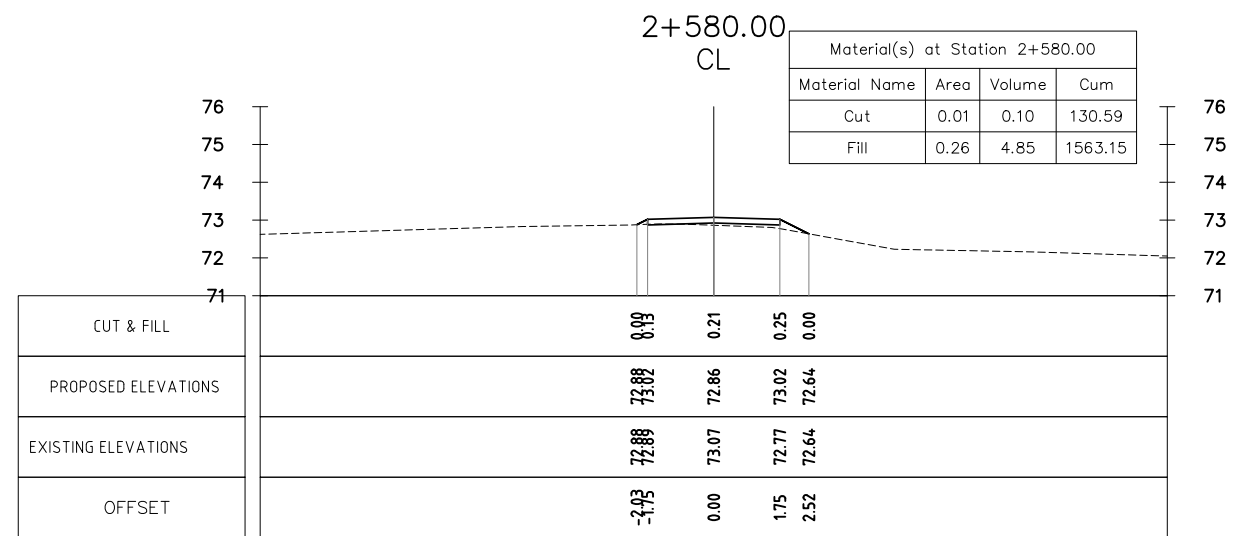
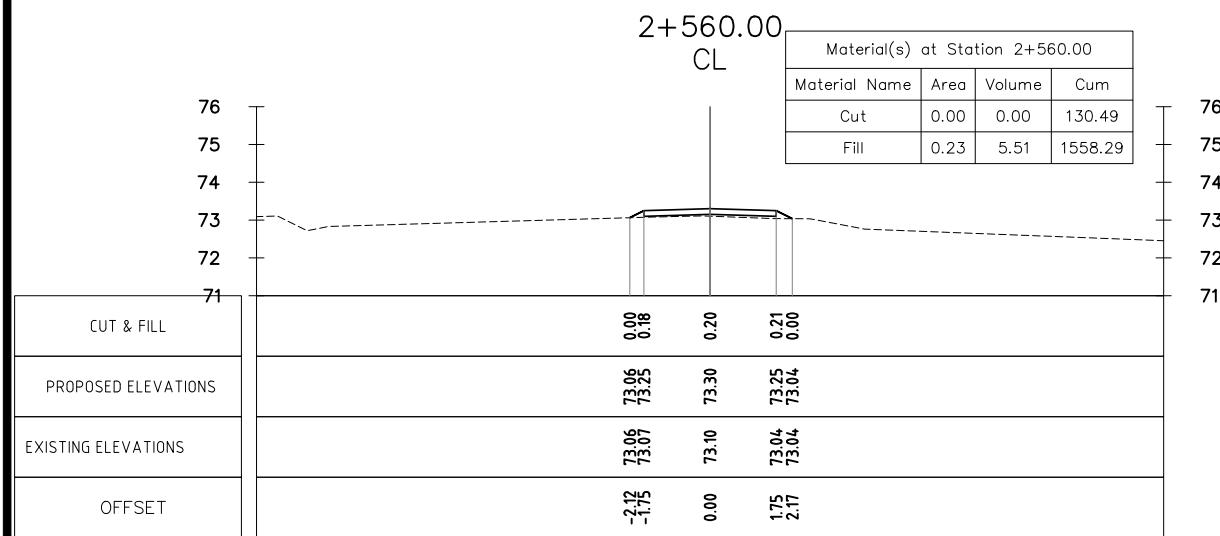
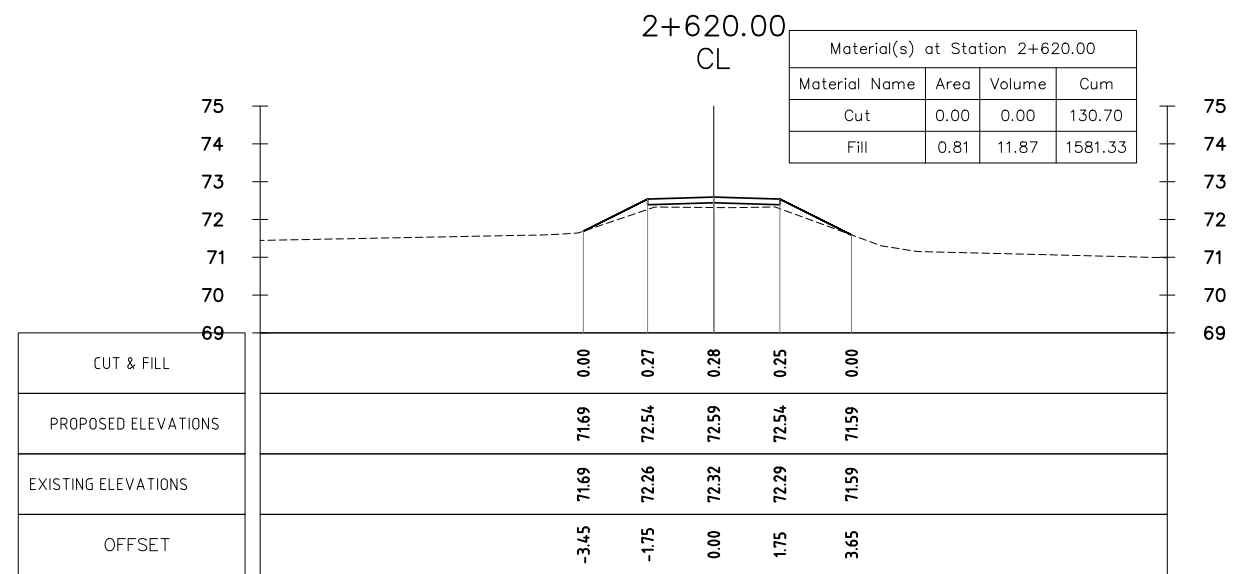
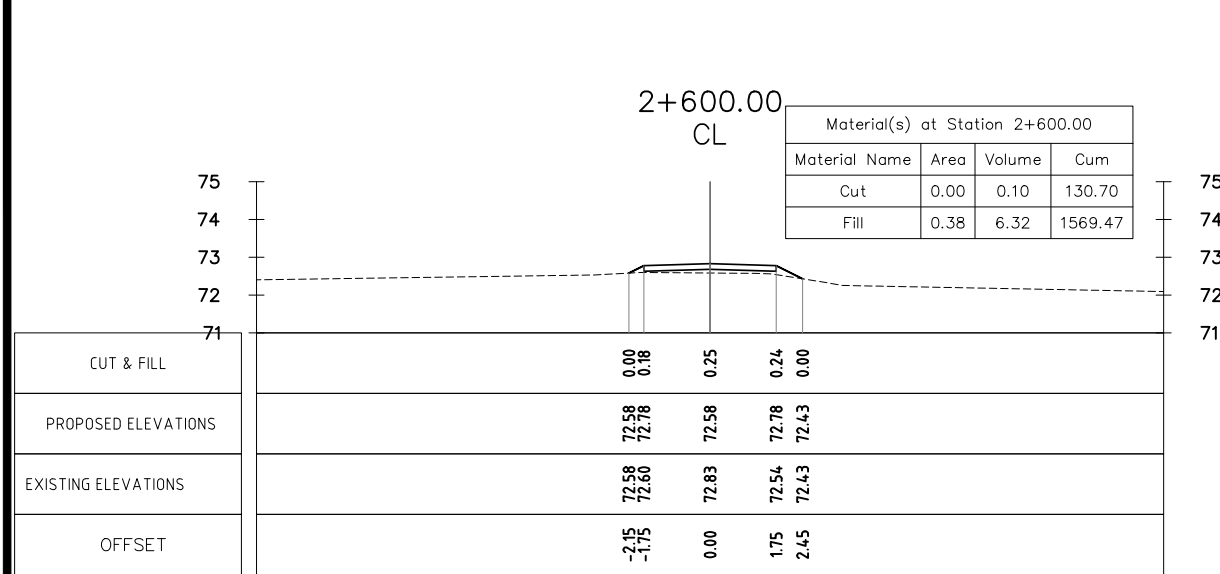
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SCALE IN A3:  
 1/200

DATE :

DRAWING No. :  
 LAO - NKS

C-153



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

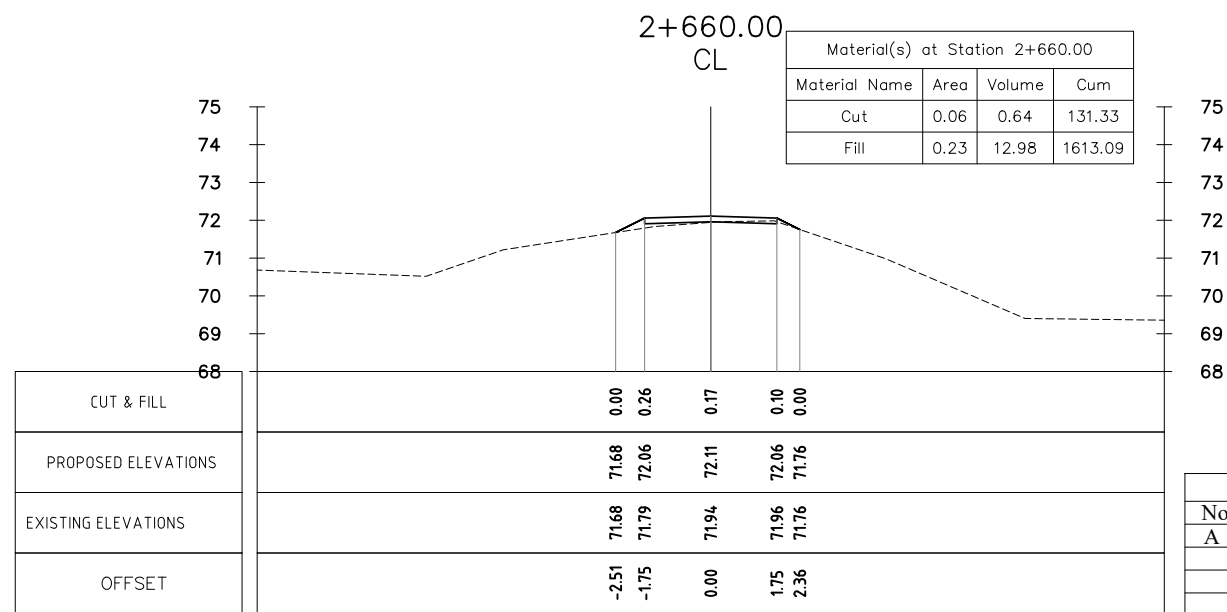
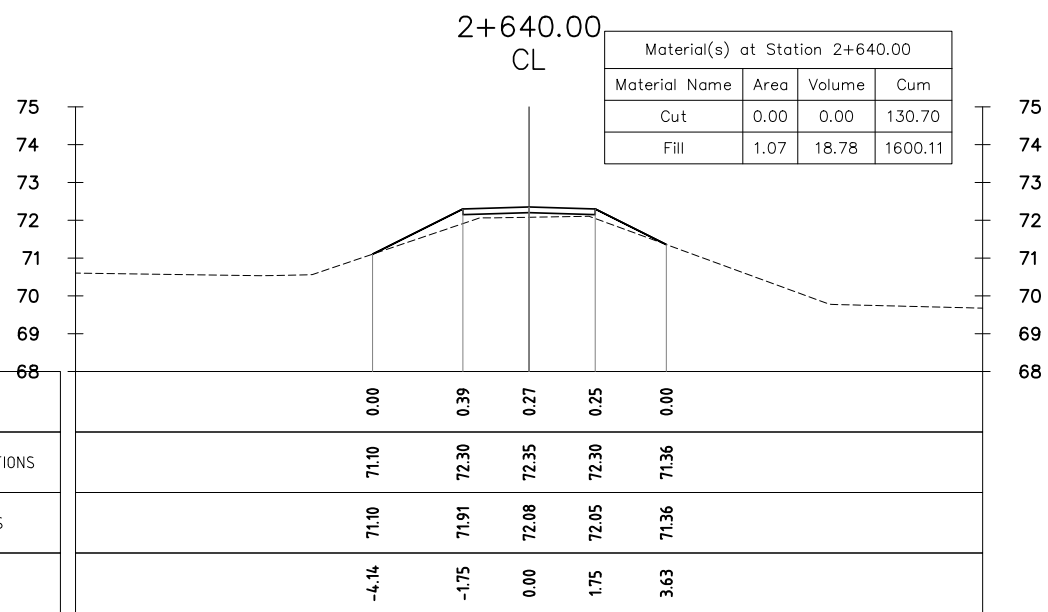
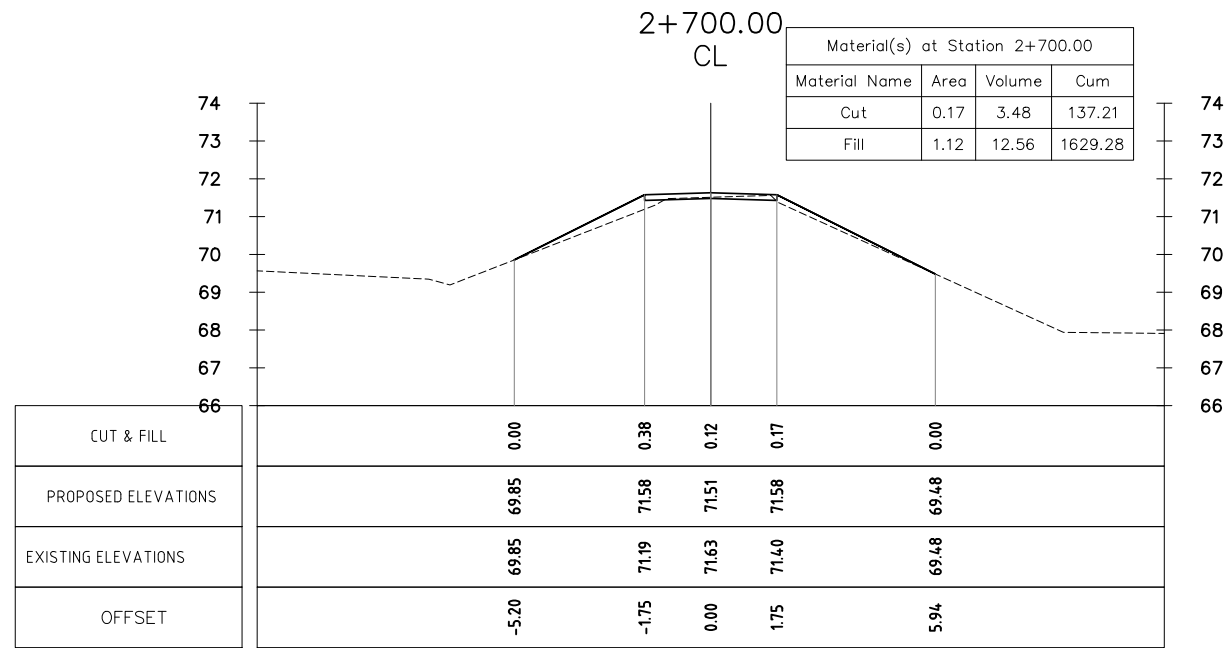
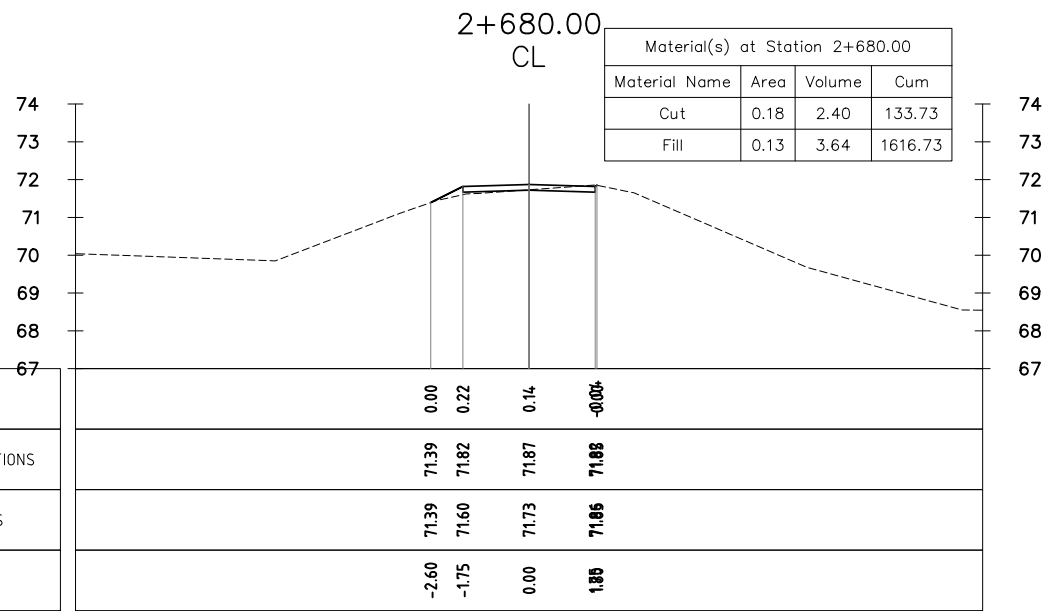
TITLE:  
DATE:

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TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
DRAWING TITLE: MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 2+520-2+620  
SCALE IN A3: 1/200  
DATE:  
DRAWING No.: LAO - NKS  
C-154



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

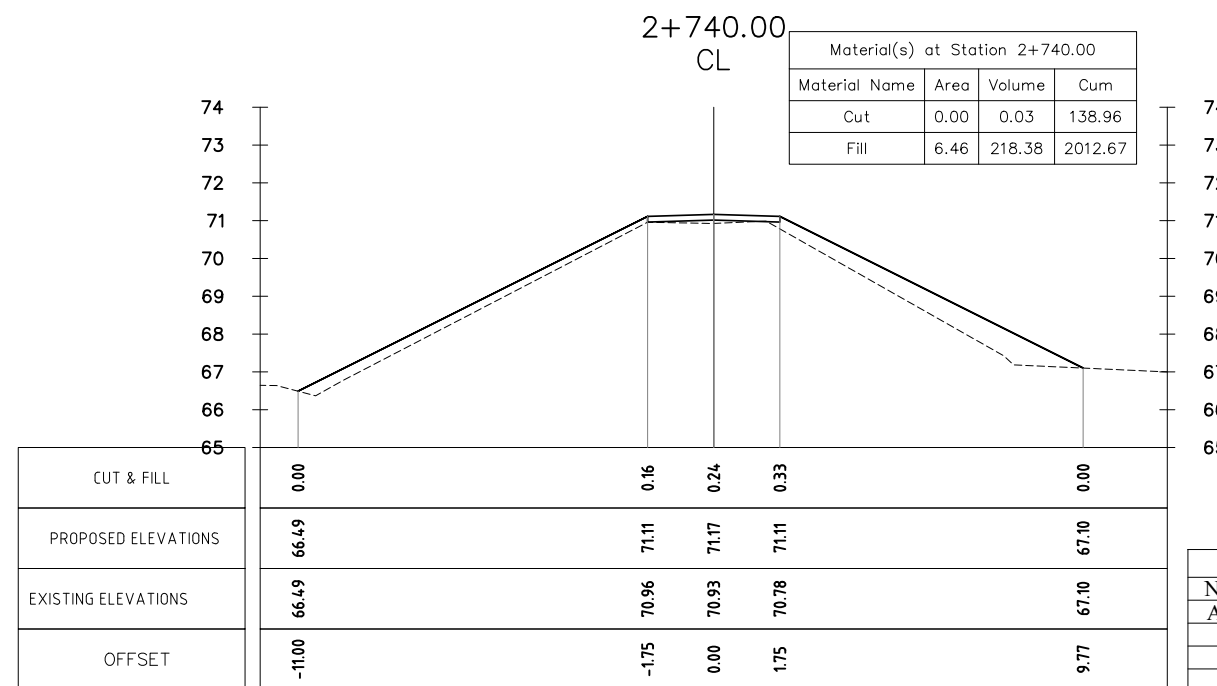
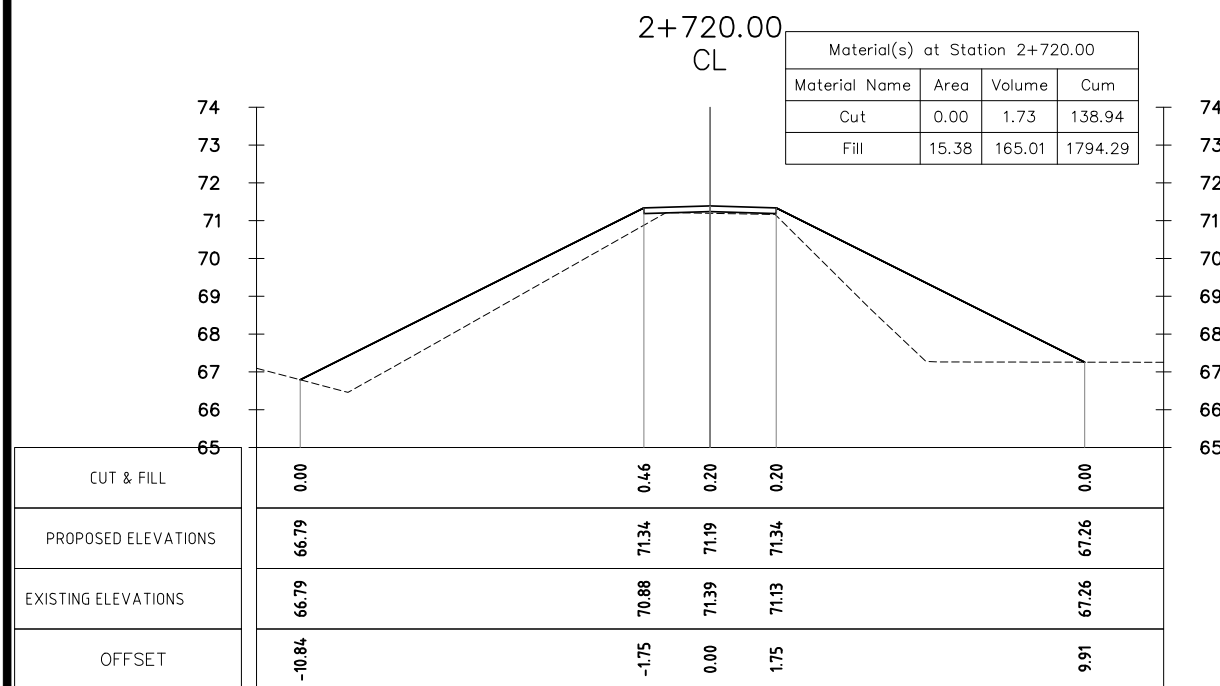
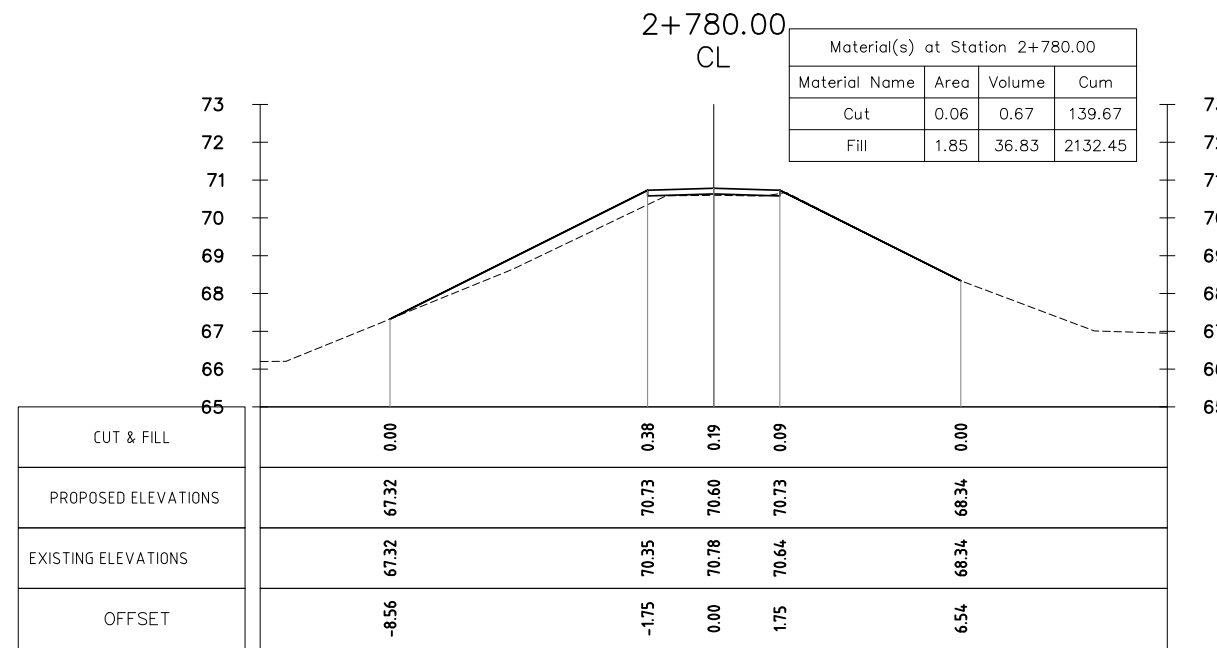
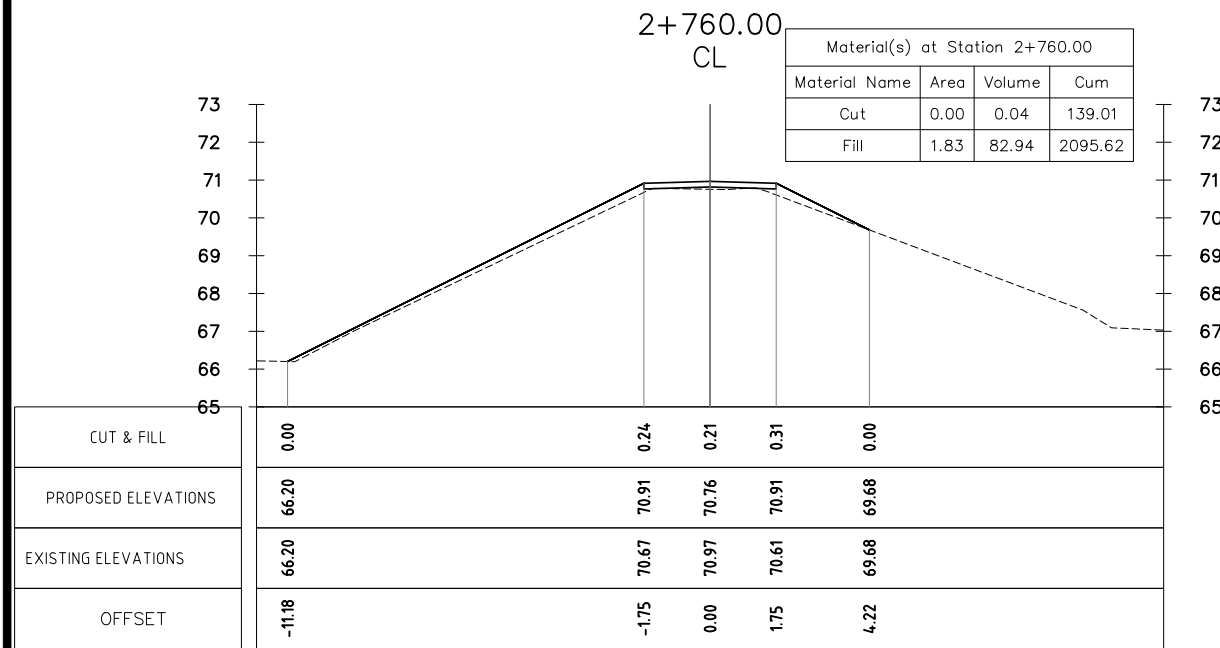


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PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 2+640-2+700			
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-155



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

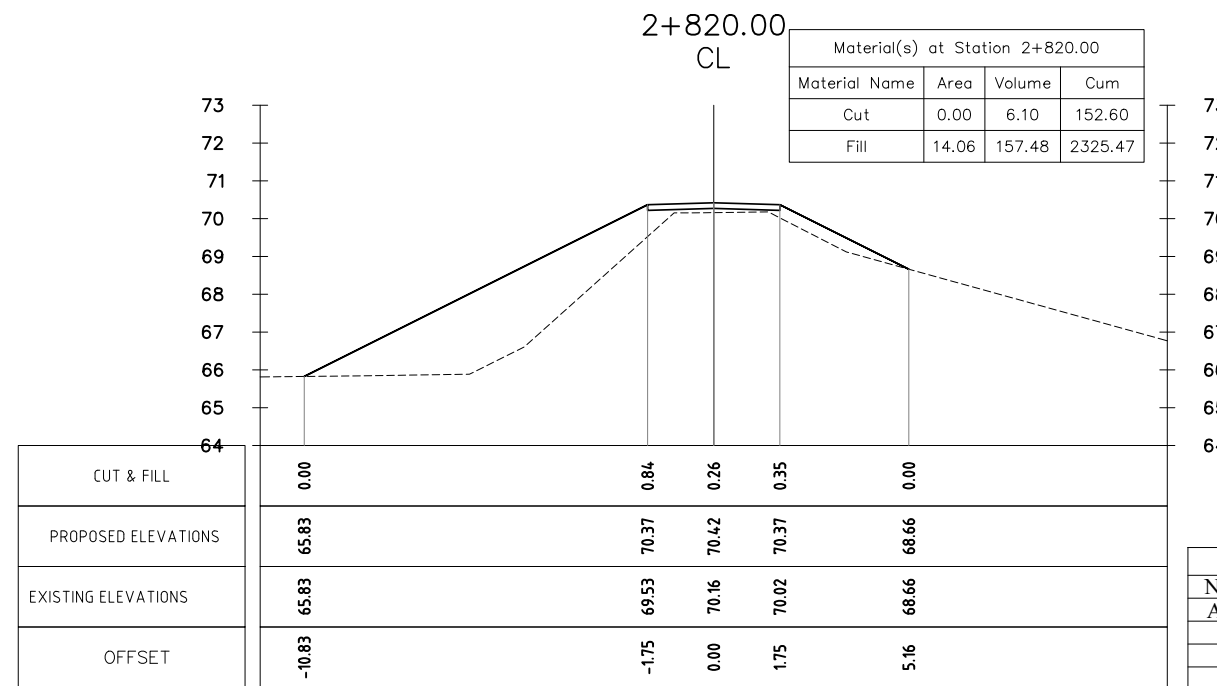
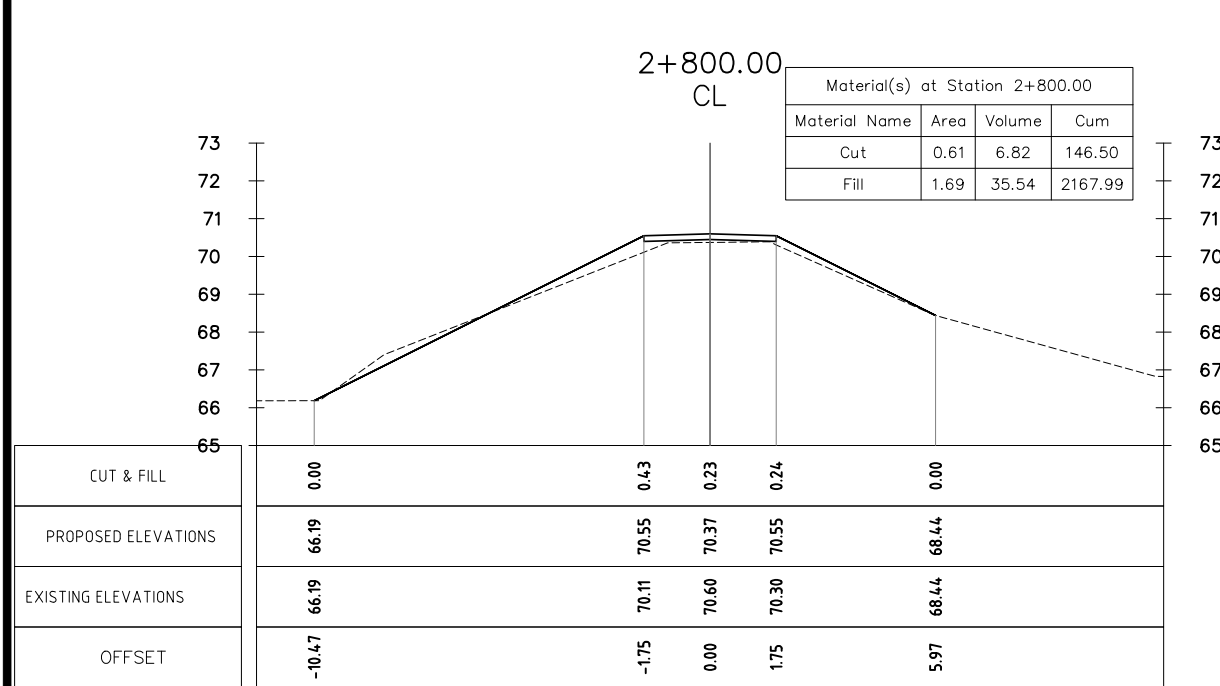
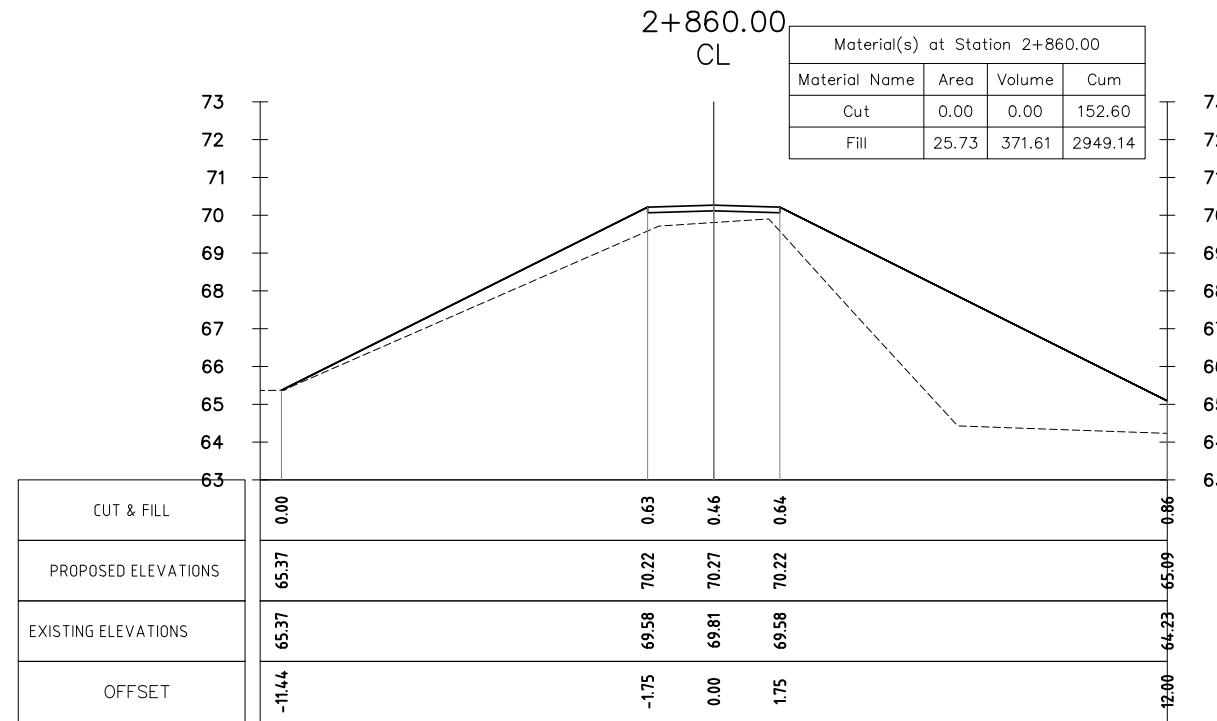
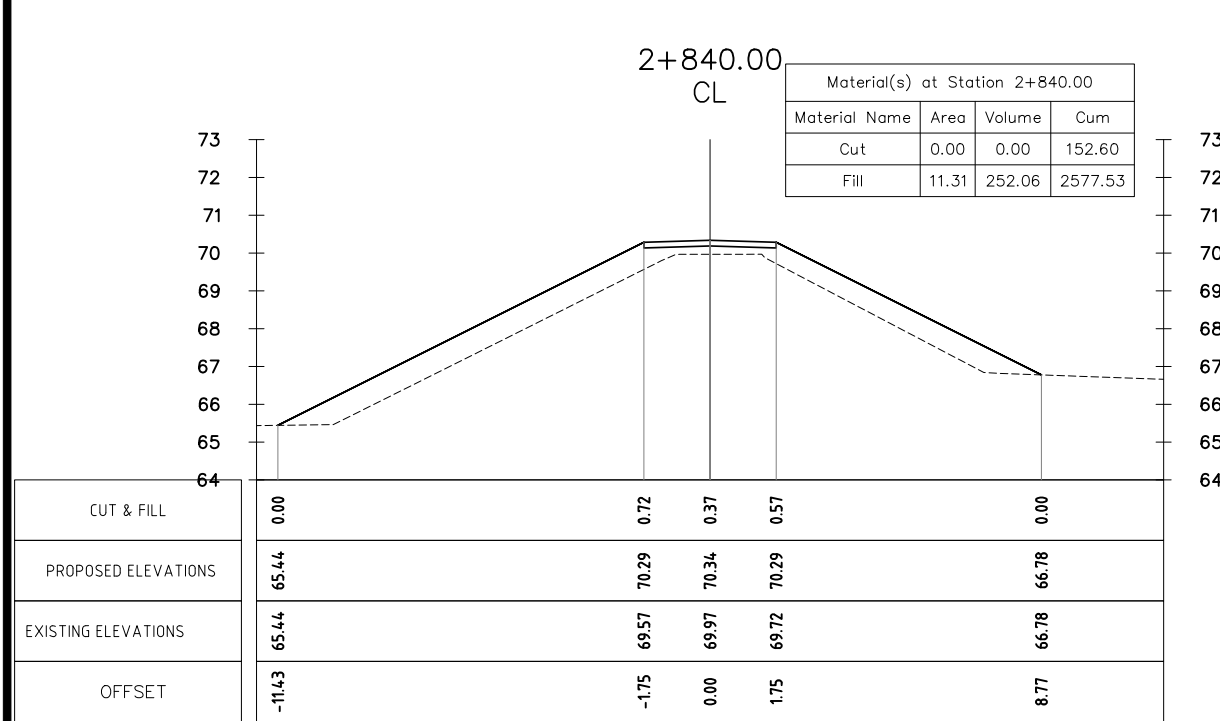
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 DATE: \_\_\_\_\_

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PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 2+720-2+780			
SCALE IN A3:	DATE :	DRAWING No. :	C-156
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

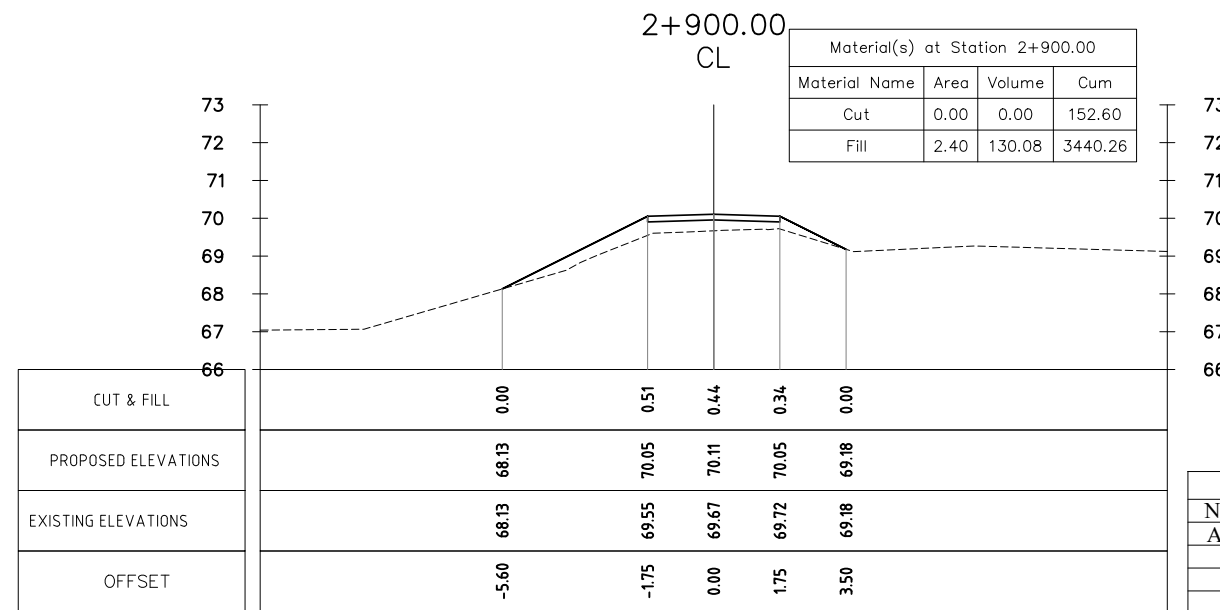
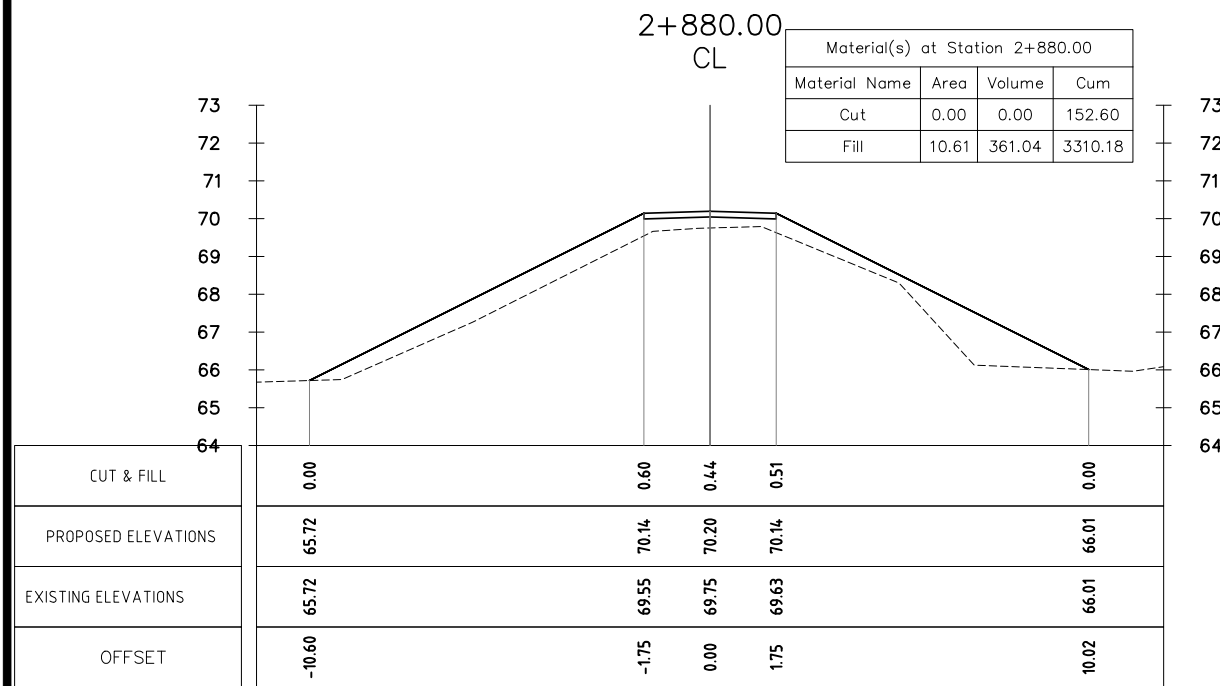
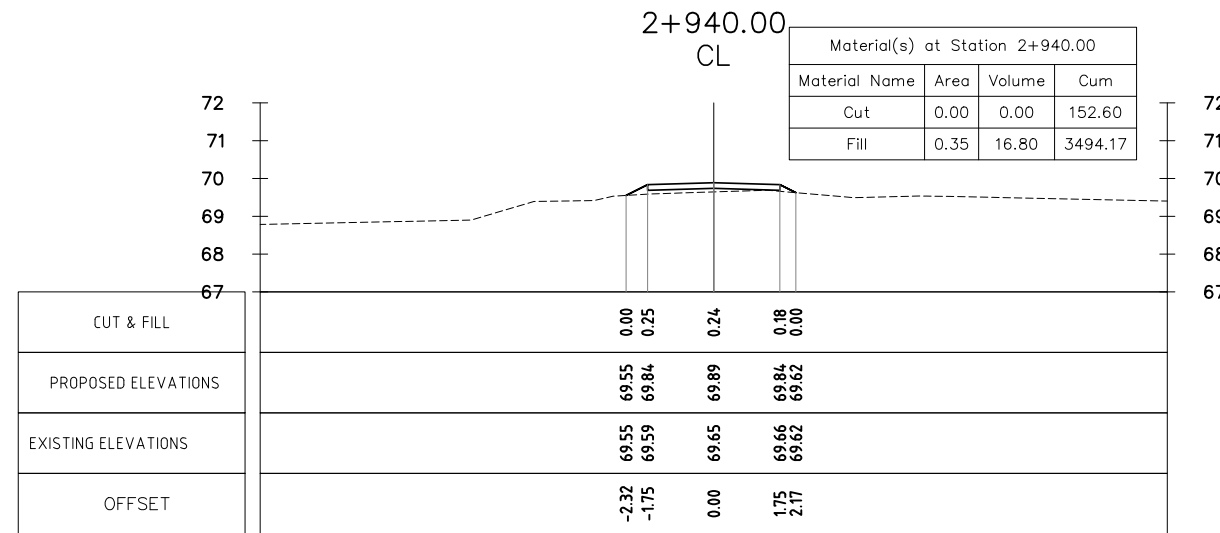
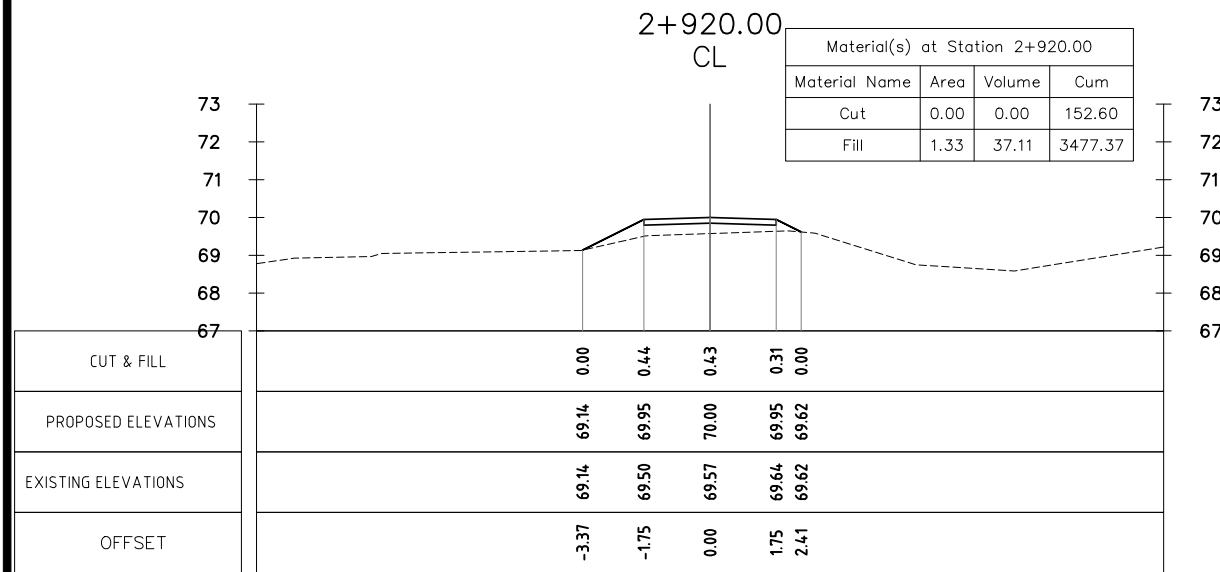
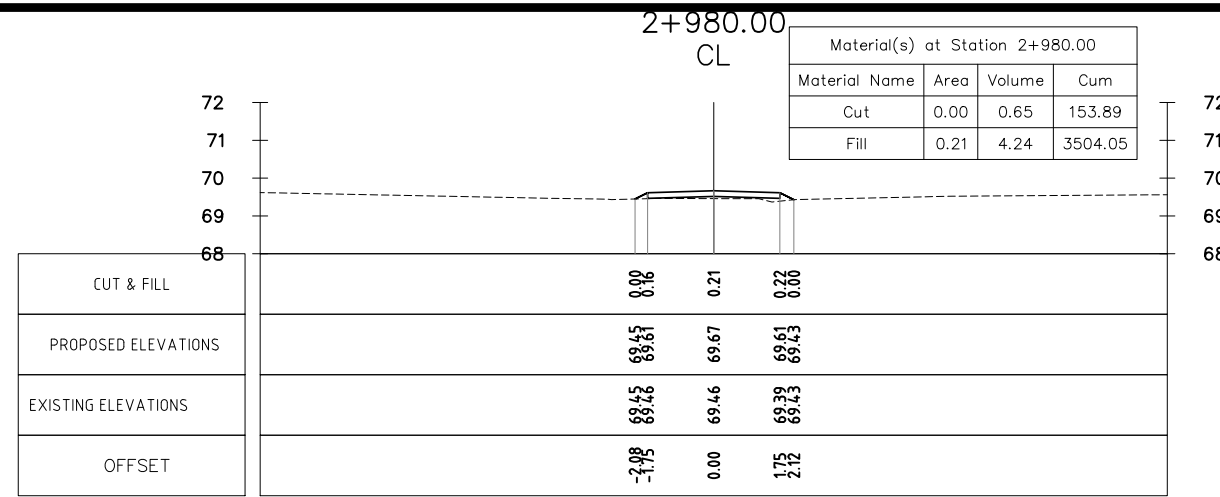
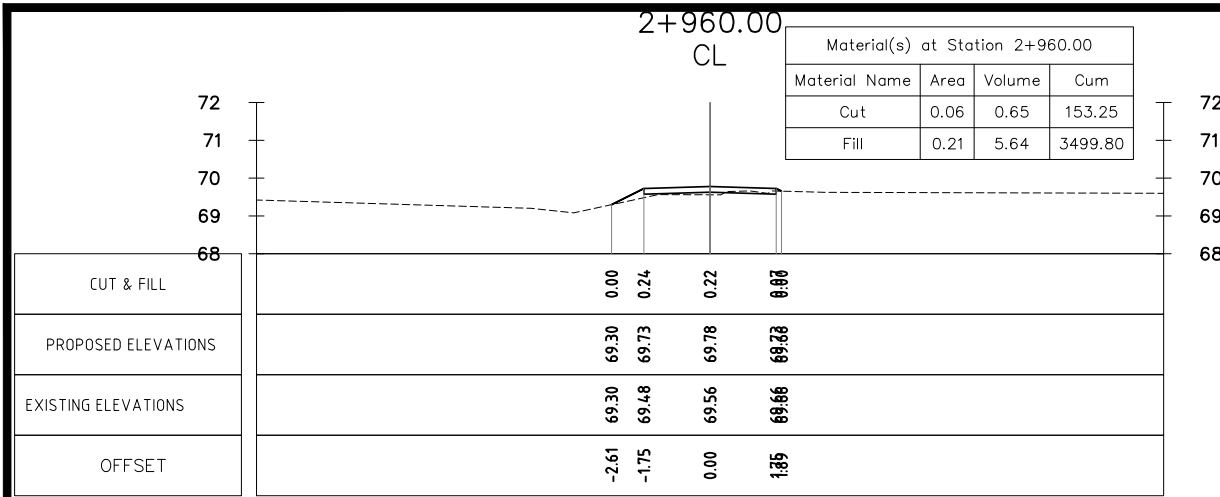
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 2+800-2+860			
SCALE IN A3:	DATE :	DRAWING No. :	C-157
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

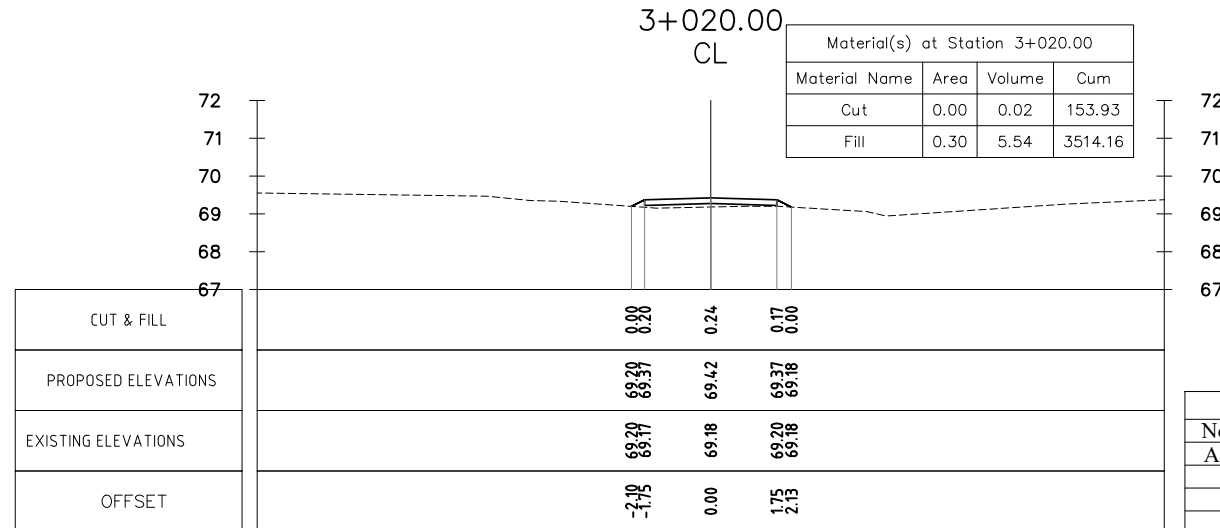
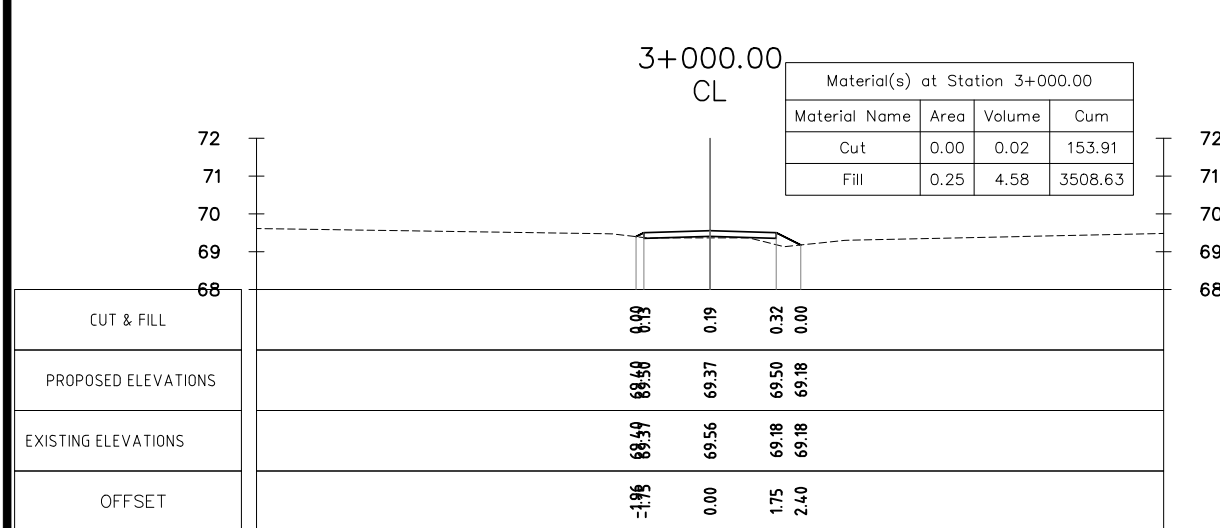
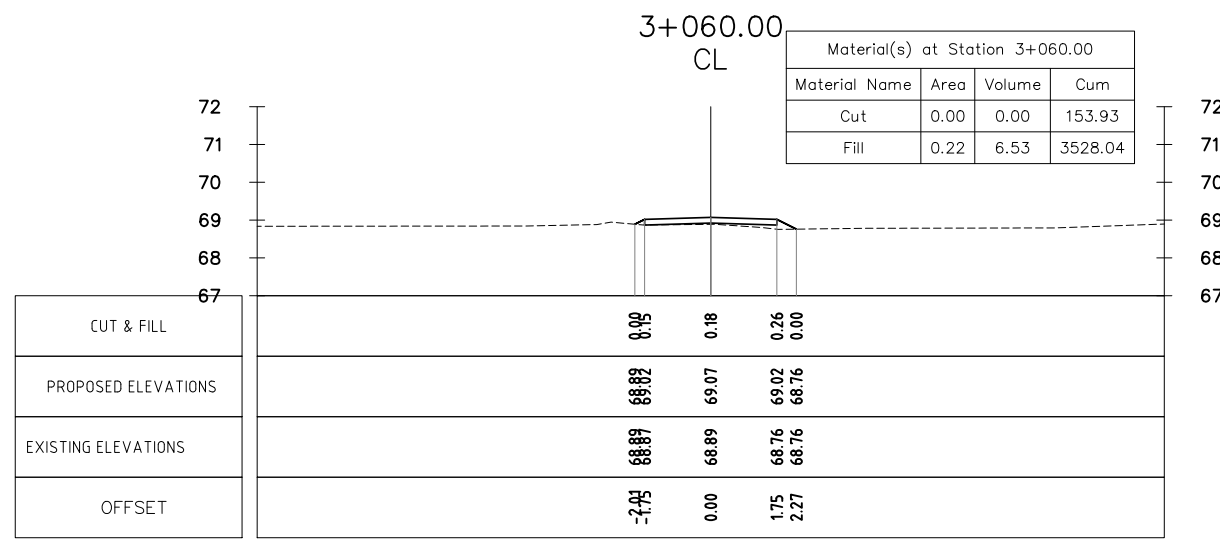
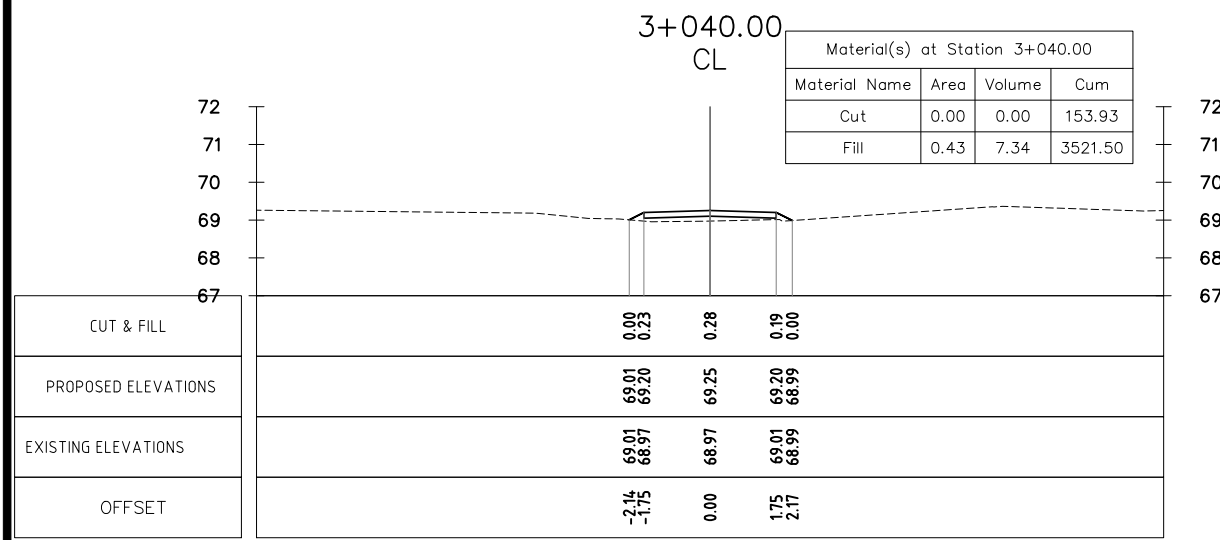
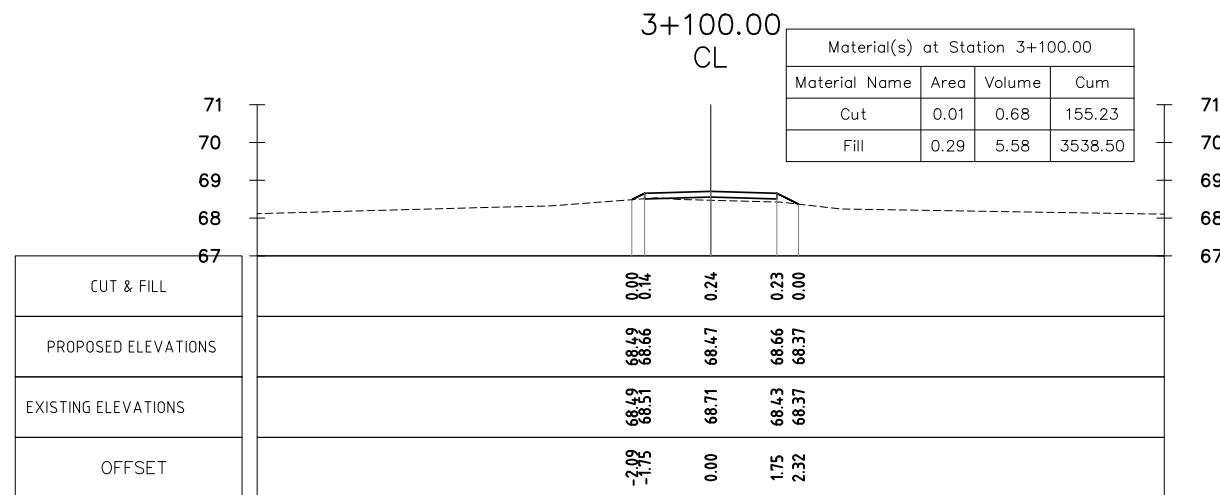
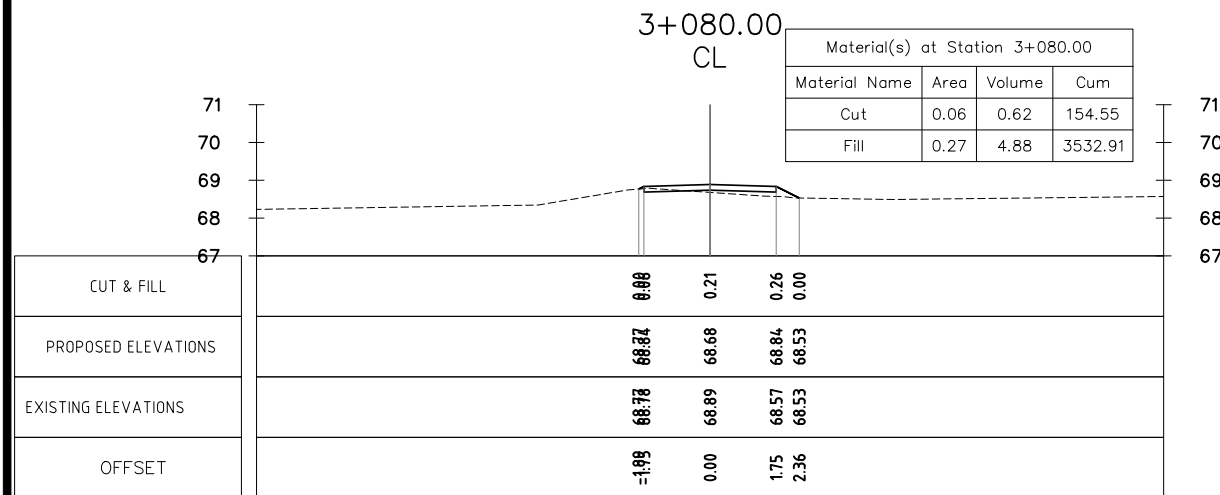
TITLE:  
DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 2+880-2+980  
SCALE IN A3: 1/200  
DATE :  
DRAWING No. : LAO - NKS  
C-158



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18


Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



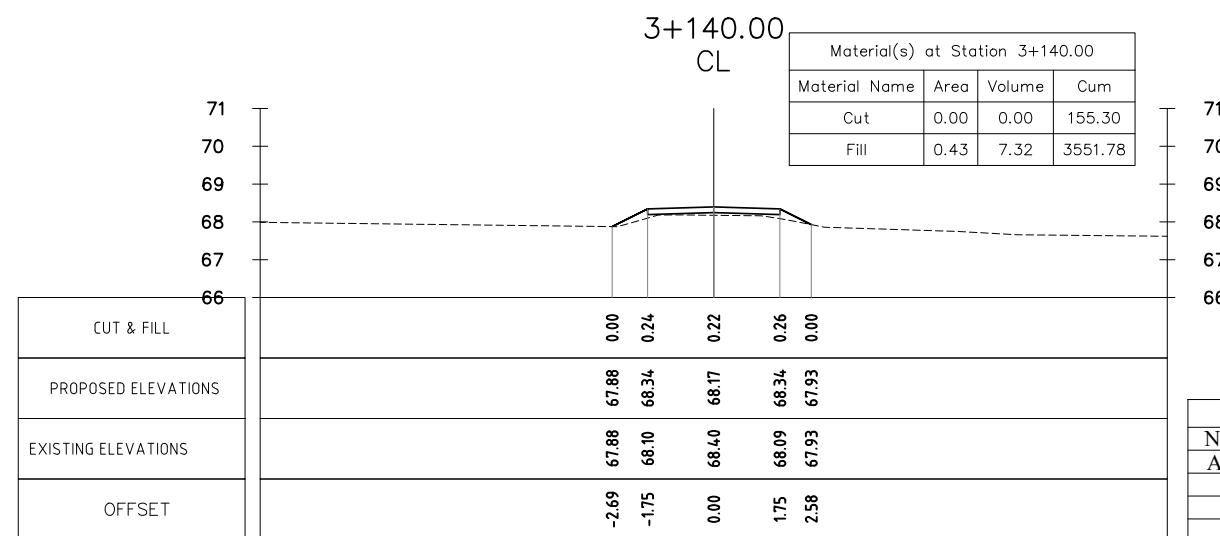
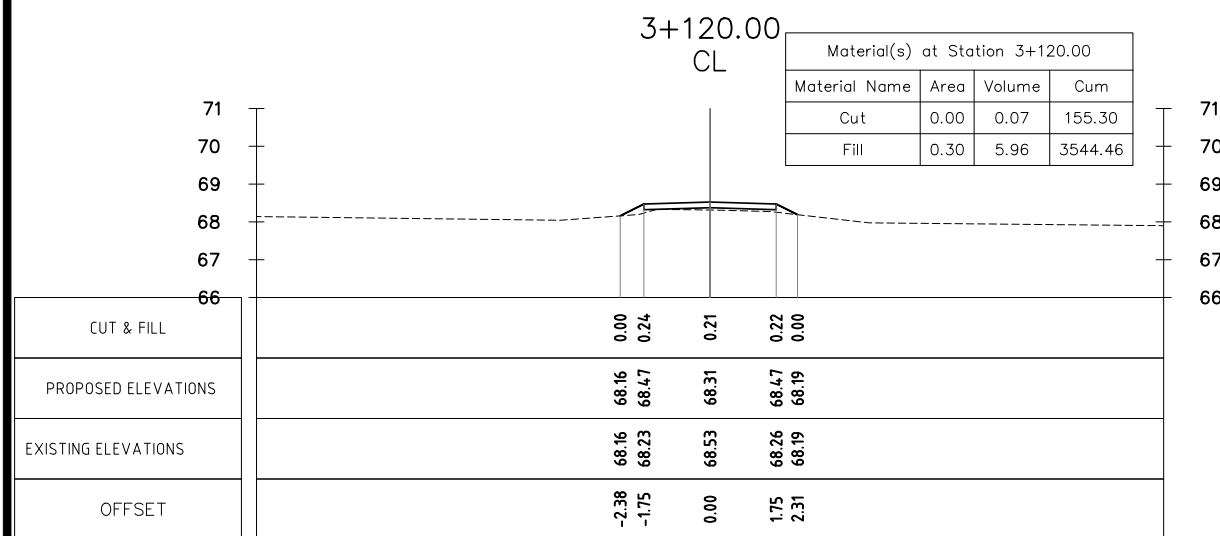
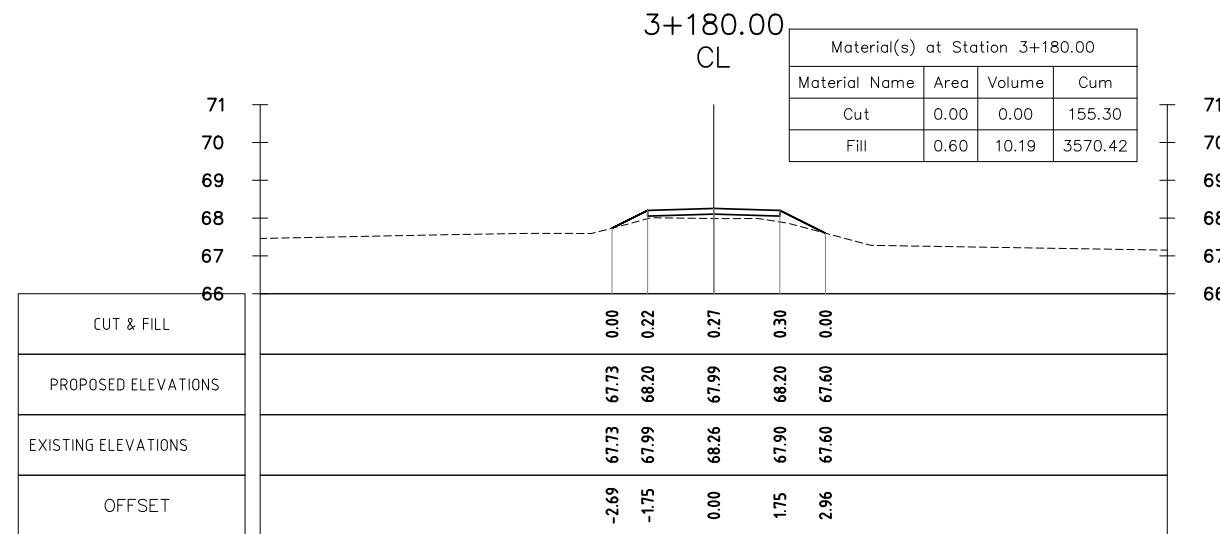
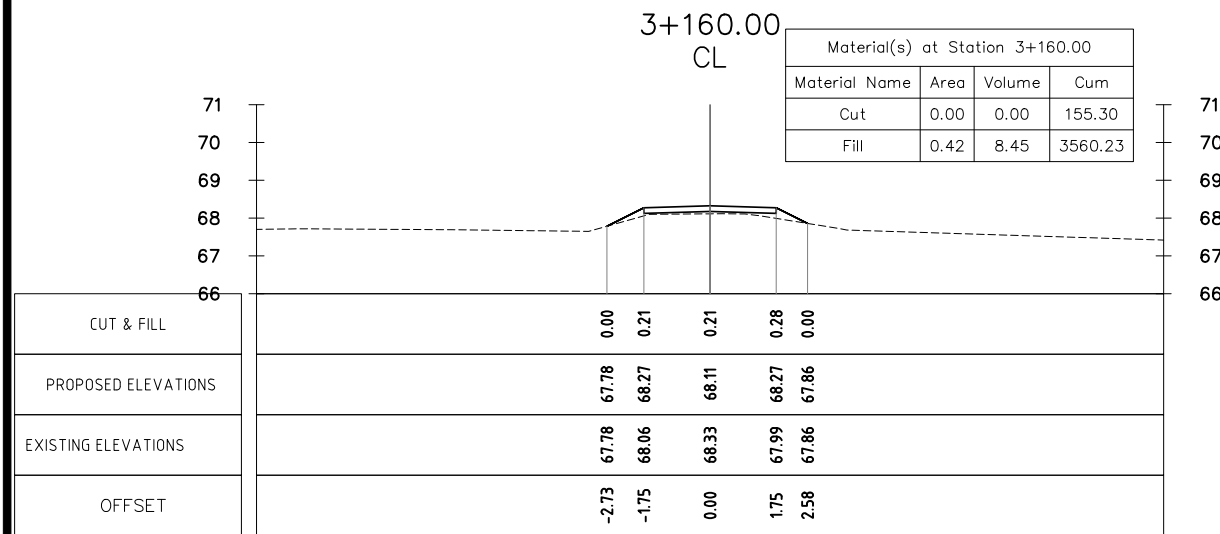
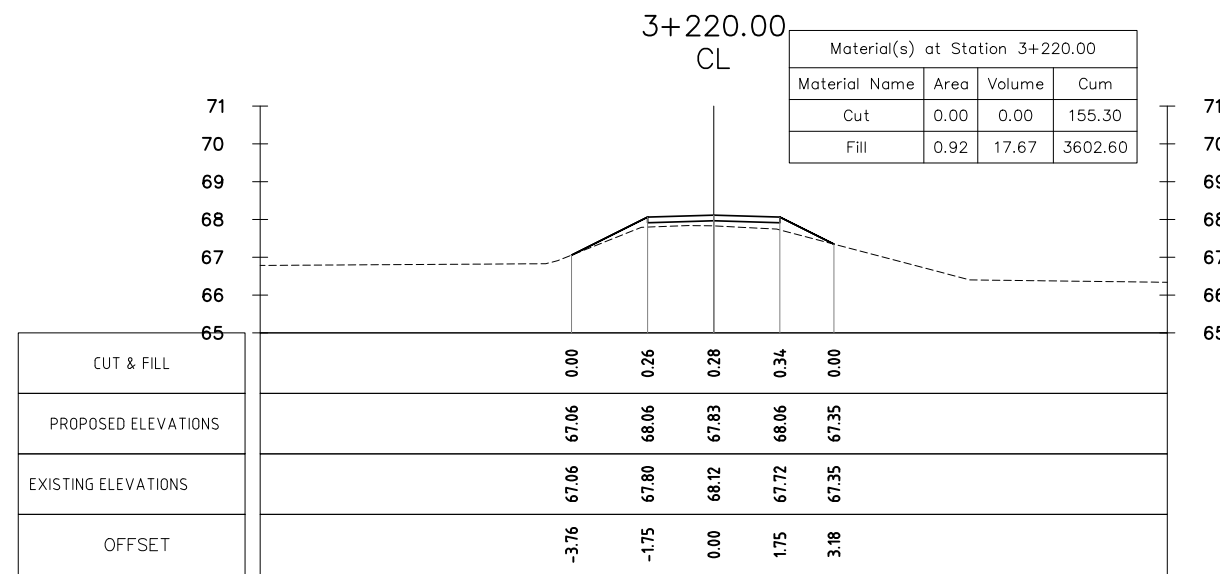
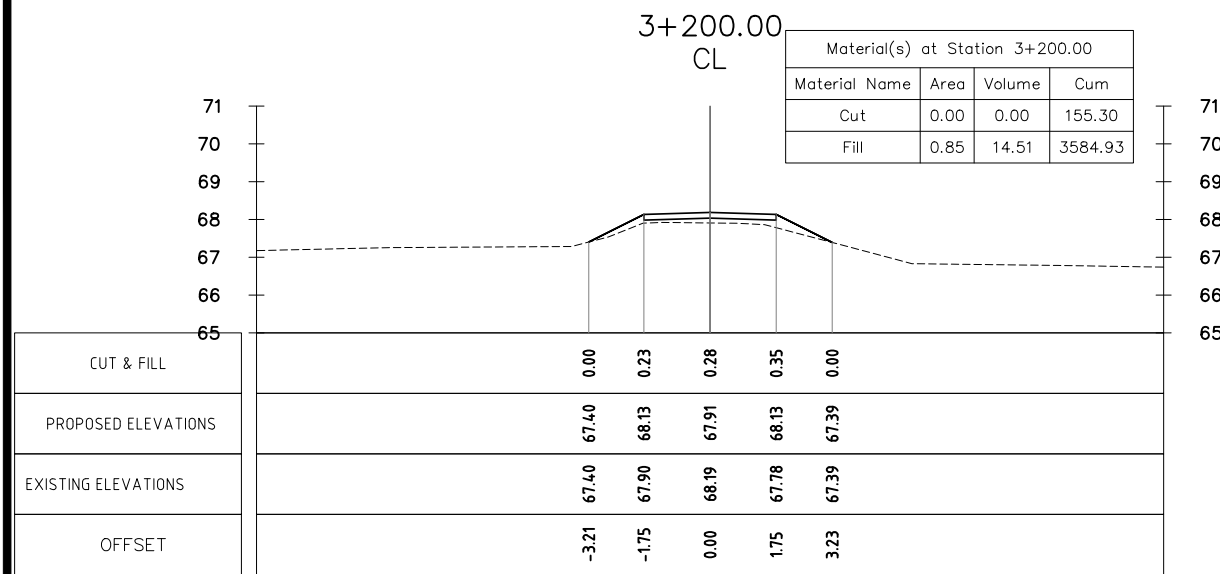
**Norconsult**   

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 3+000-3+100

SCALE IN A3: 1/200      DATE : \_\_\_\_\_      DRAWING No. : \_\_\_\_\_

LAO - NKS      C-159



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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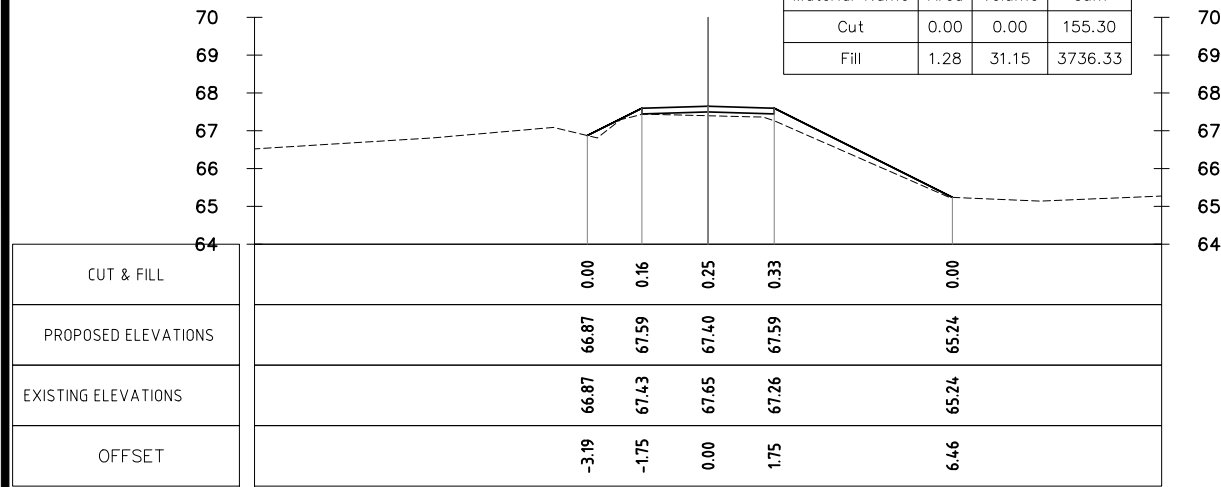


PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 3+120-3+220			
SCALE IN A3:	DATE :	DRAWING No. :	C-160
1/200		LAO - NKS	



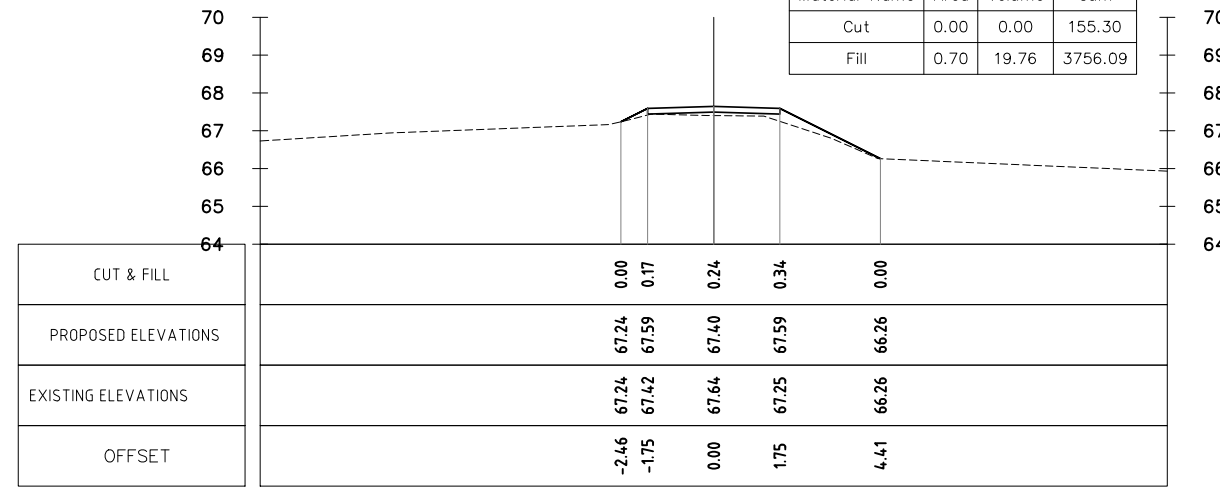
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CL

Material(s) at Station 3+320.00			
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Fill	1.28	31.15	3736.33



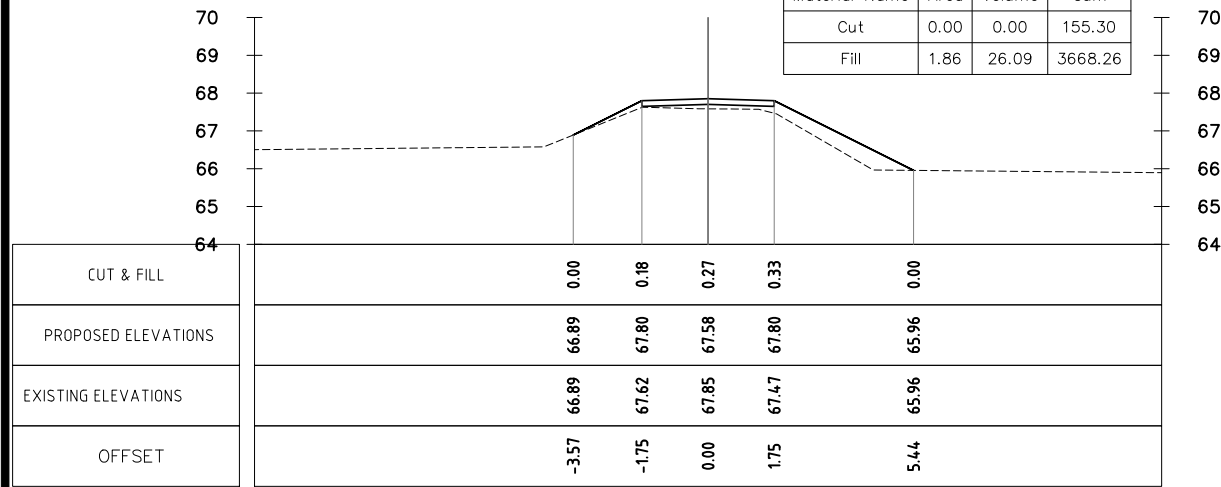
3+340.00  
CL

Material(s) at Station 3+340.00			
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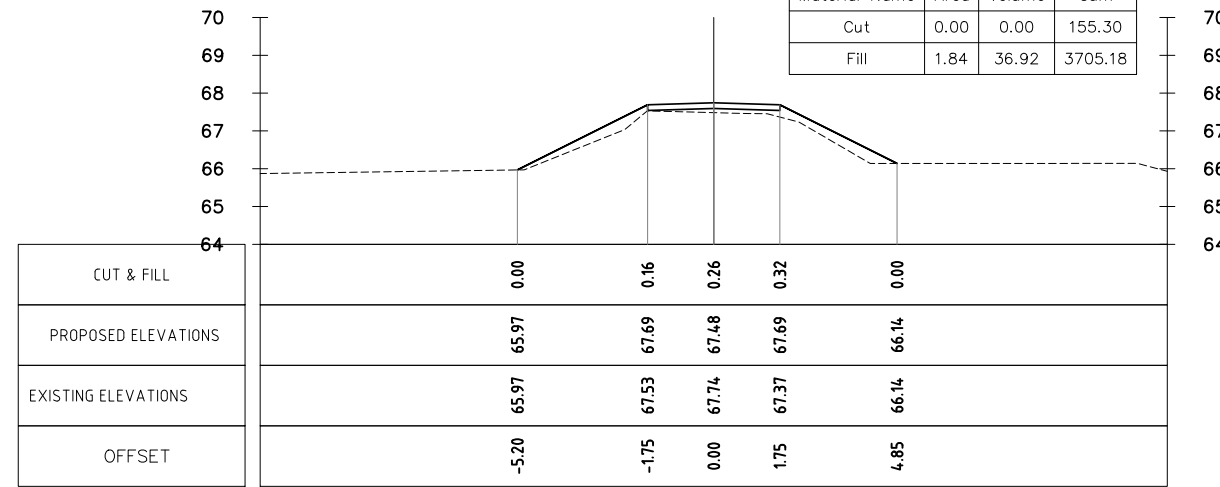
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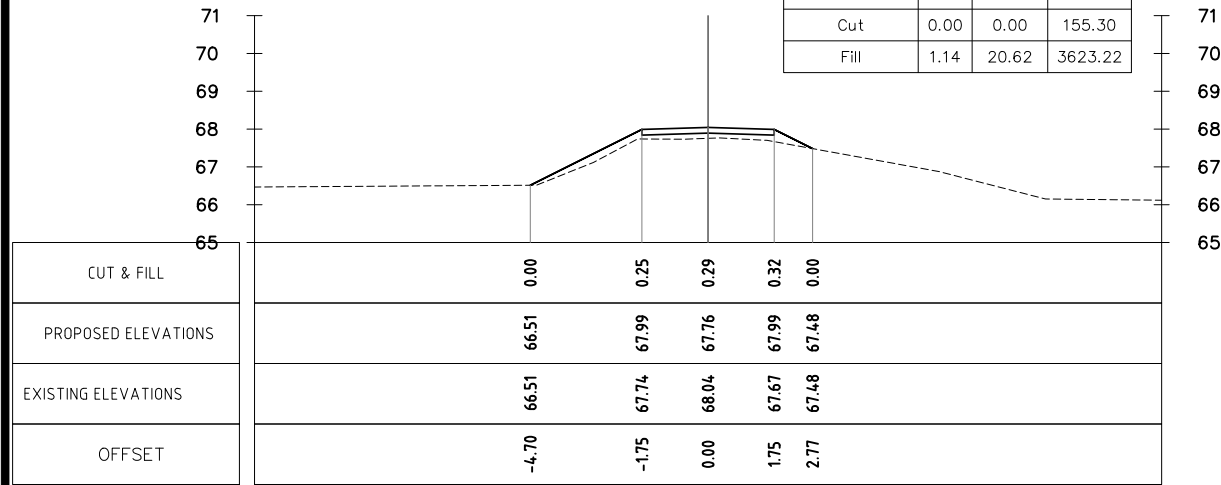
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Fill	1.84	36.92	3705.18



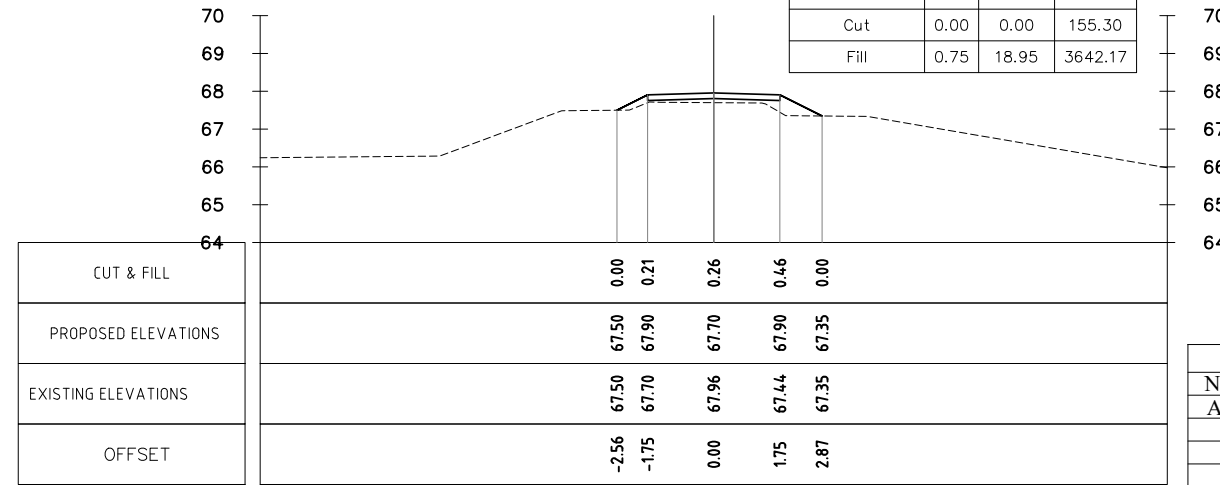
3+240.00  
CL

Material(s) at Station 3+240.00			
Material Name	Area	Volume	Cum
Cut	0.00	0.00	155.30
Fill	1.14	20.62	3623.22



3+260.00  
CL

Material(s) at Station 3+260.00			
Material Name	Area	Volume	Cum
Cut	0.00	0.00	155.30
Fill	0.75	18.95	3642.17



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

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TITLE:  
DATE:

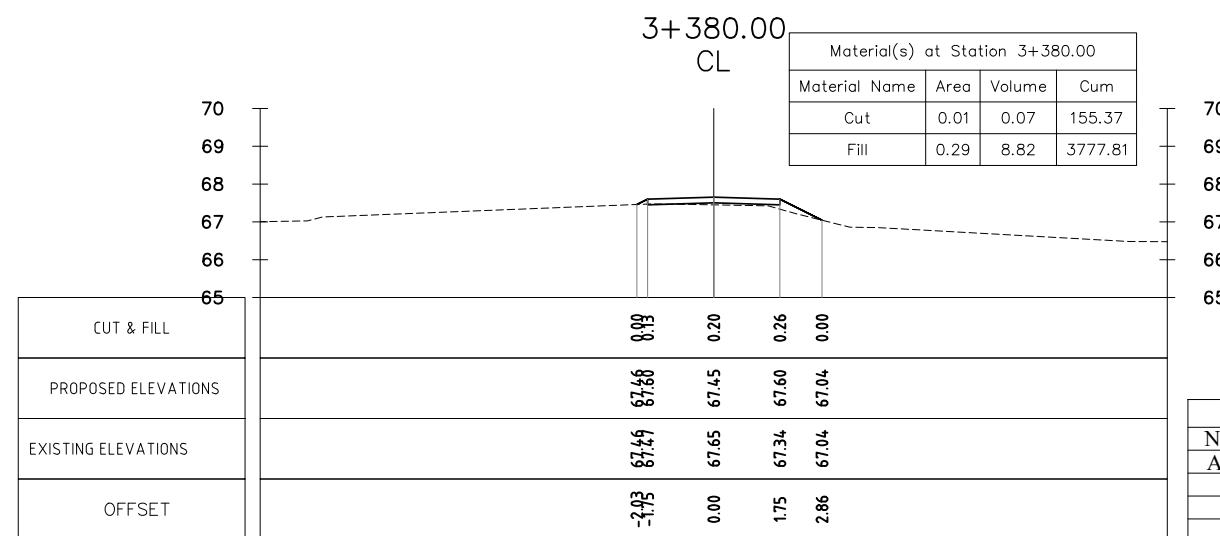
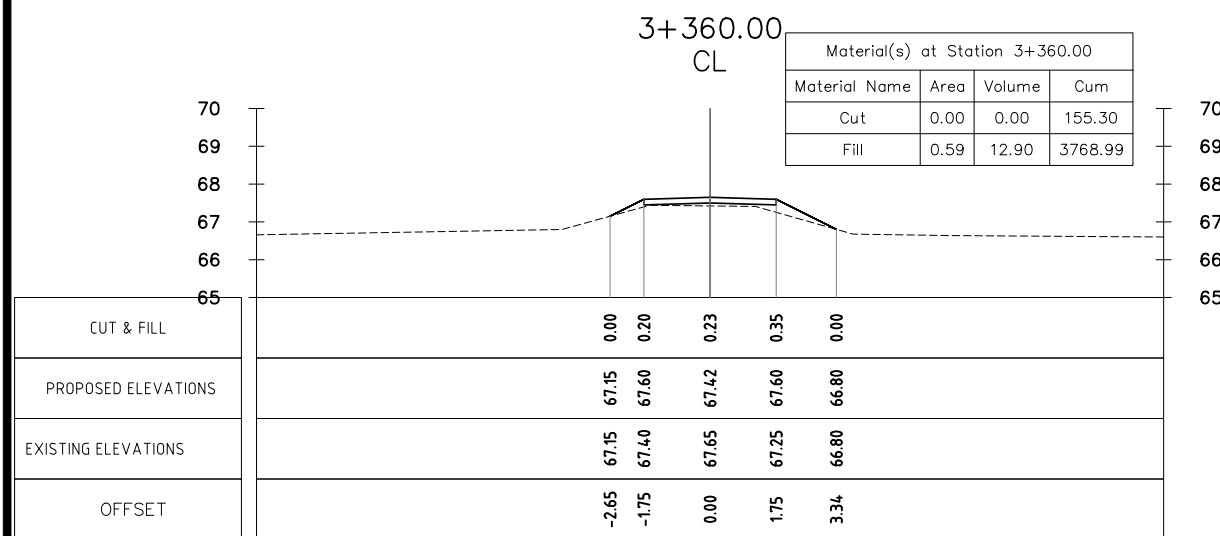
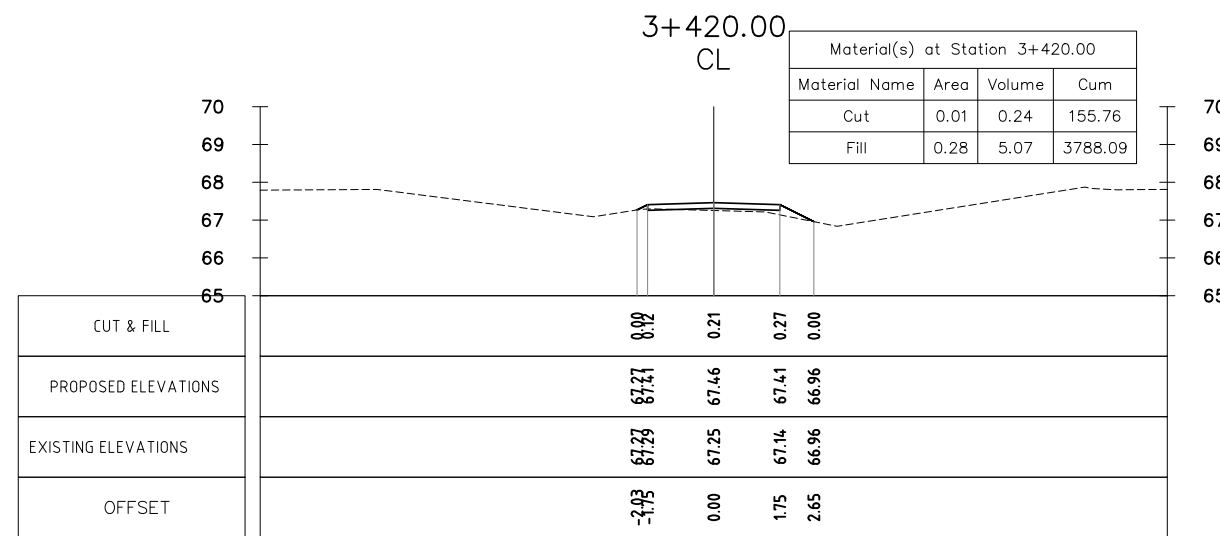
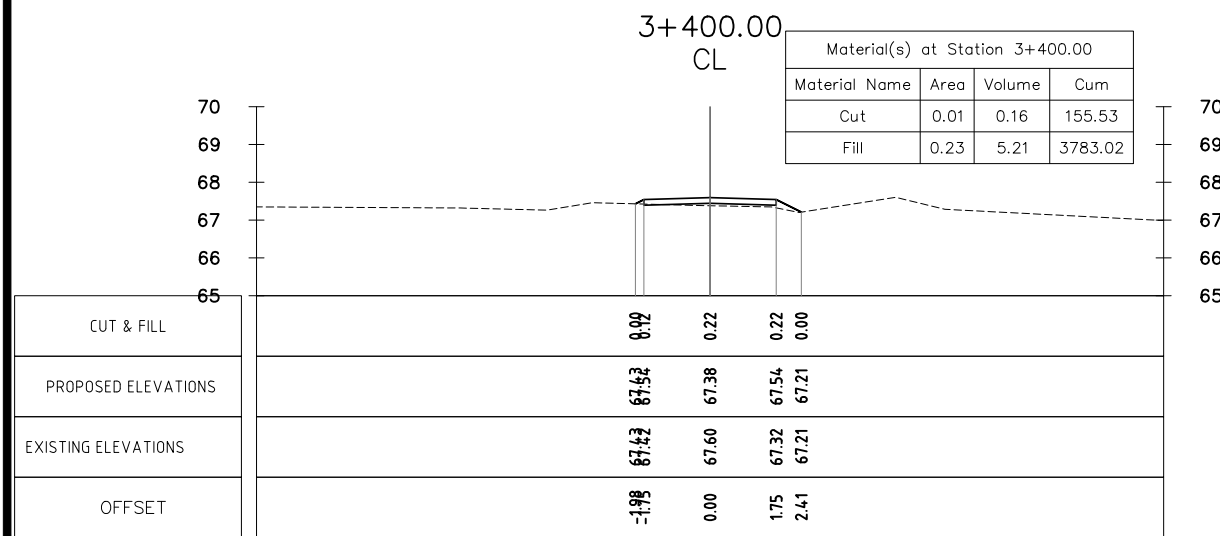
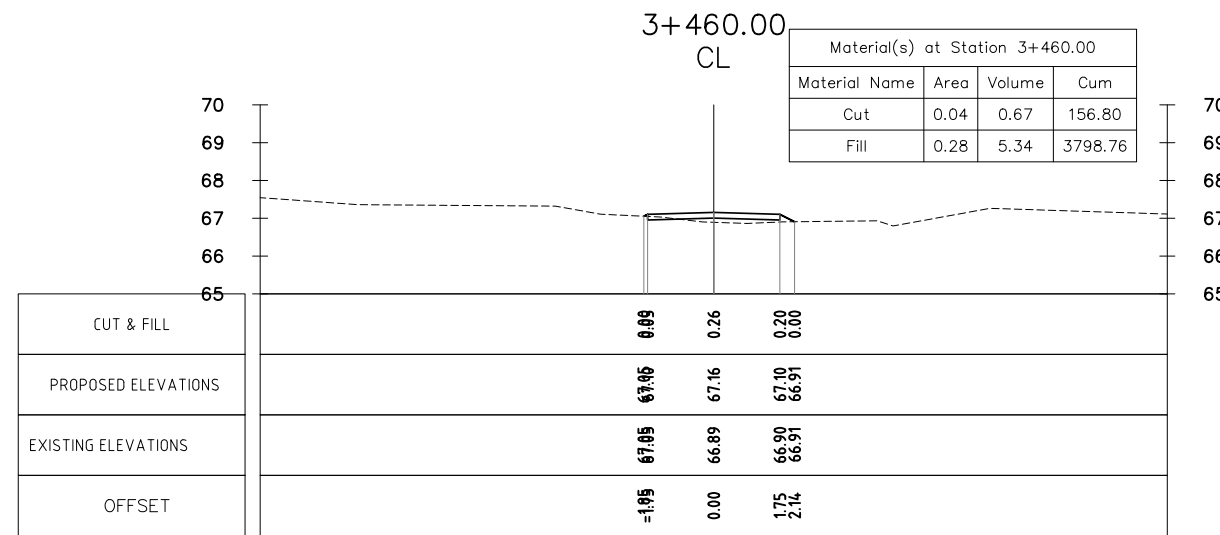
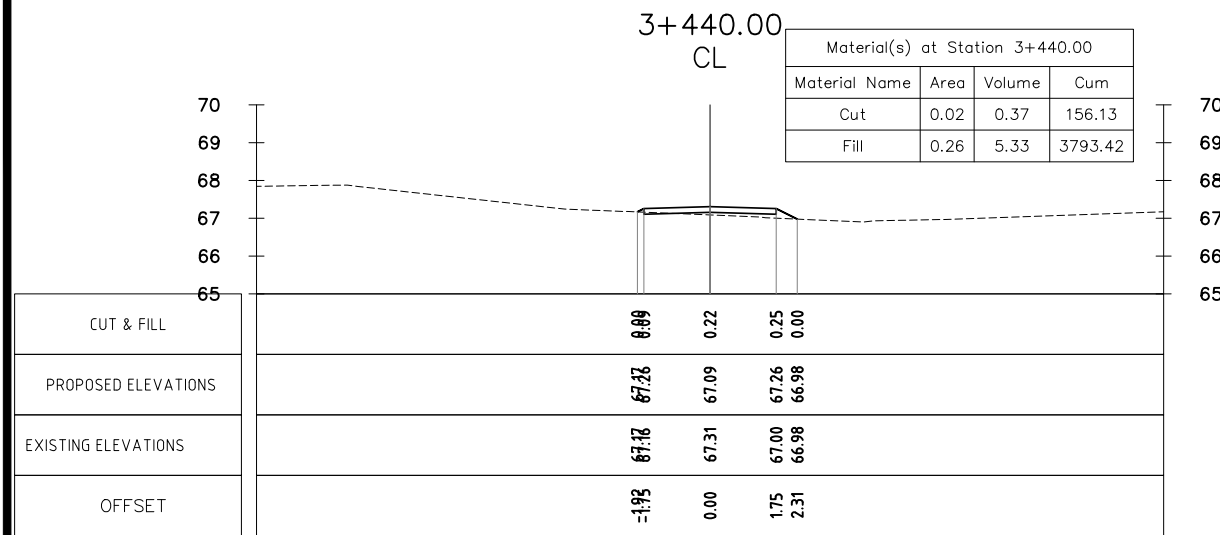


ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 3+240-3+340			
SCALE IN A3:	DATE :	DRAWING No. :	C-161
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_



ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

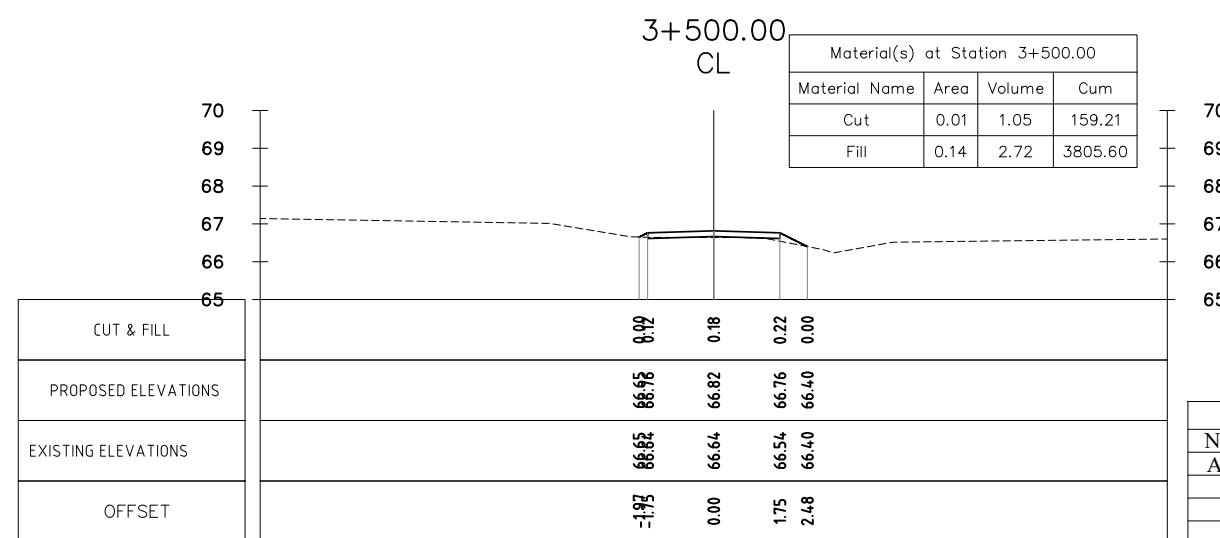
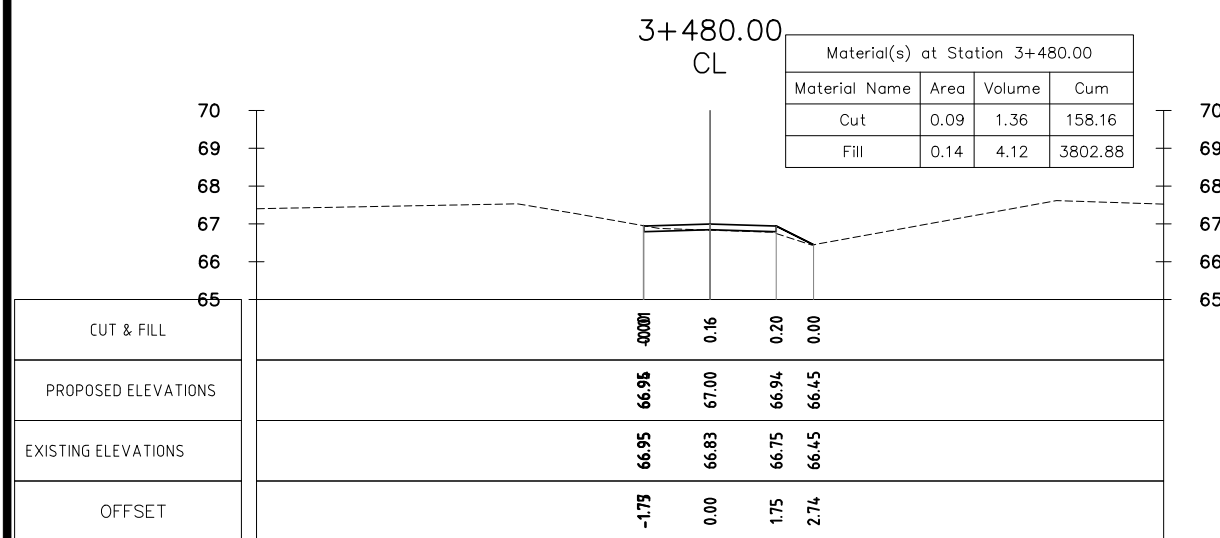
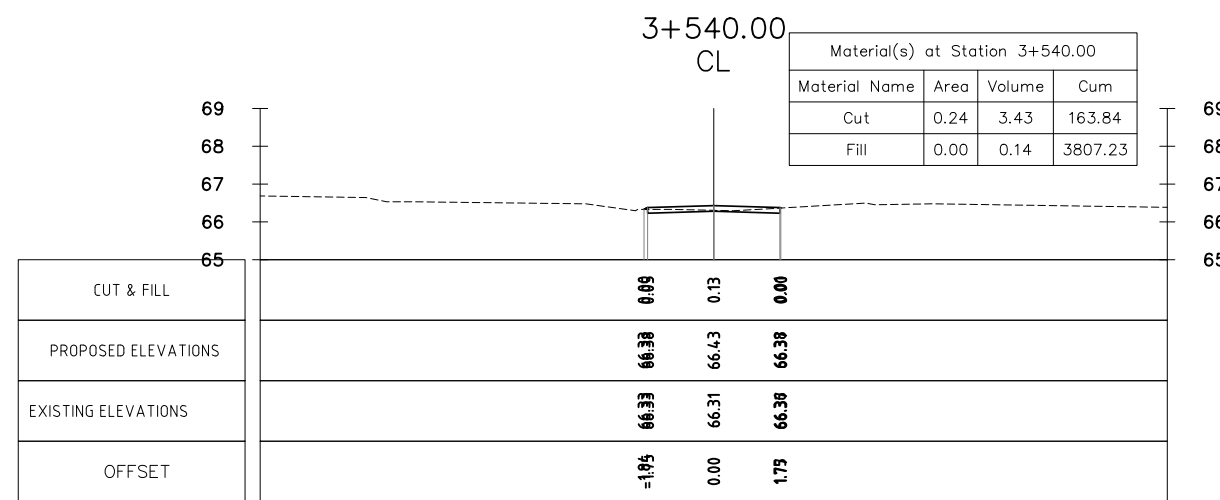
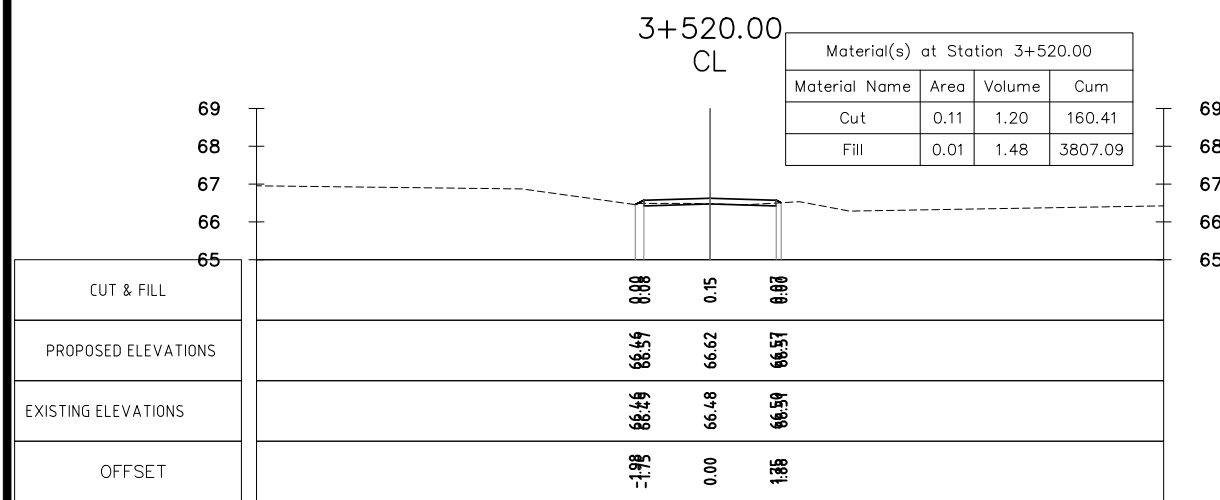
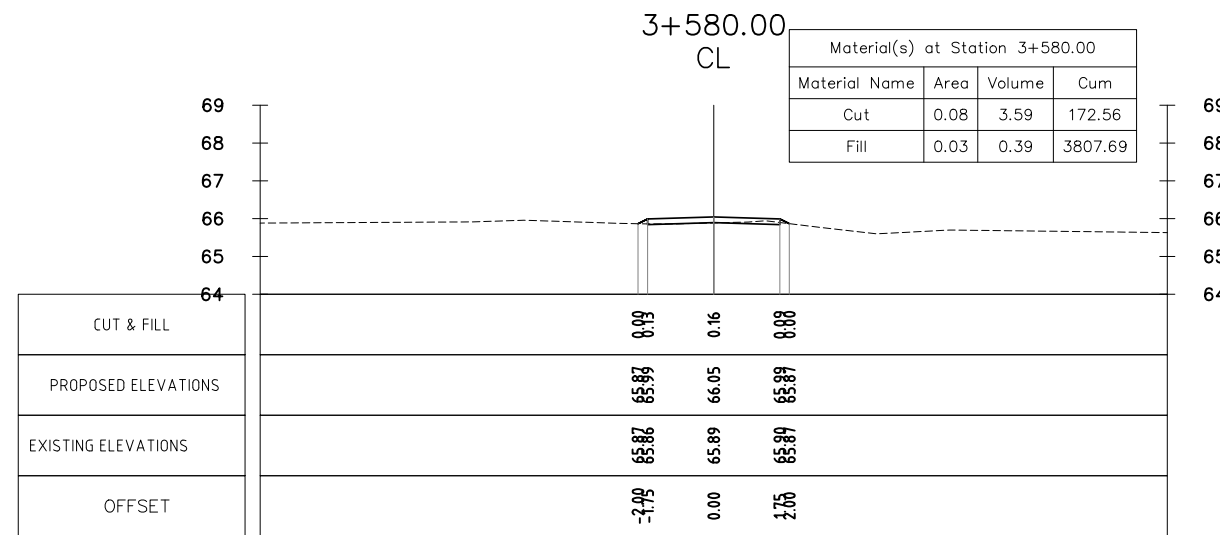
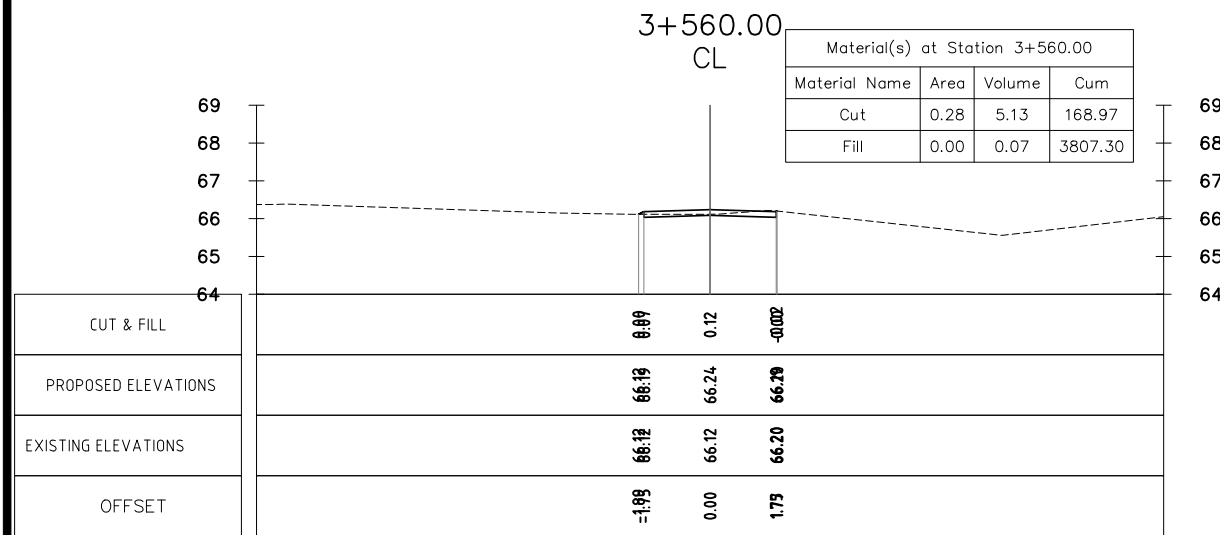
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 3+360-3+460

SCALE IN A3: 1/200      DATE :      DRAWING No. : LAO - NKS      C-162



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:  
DATE:

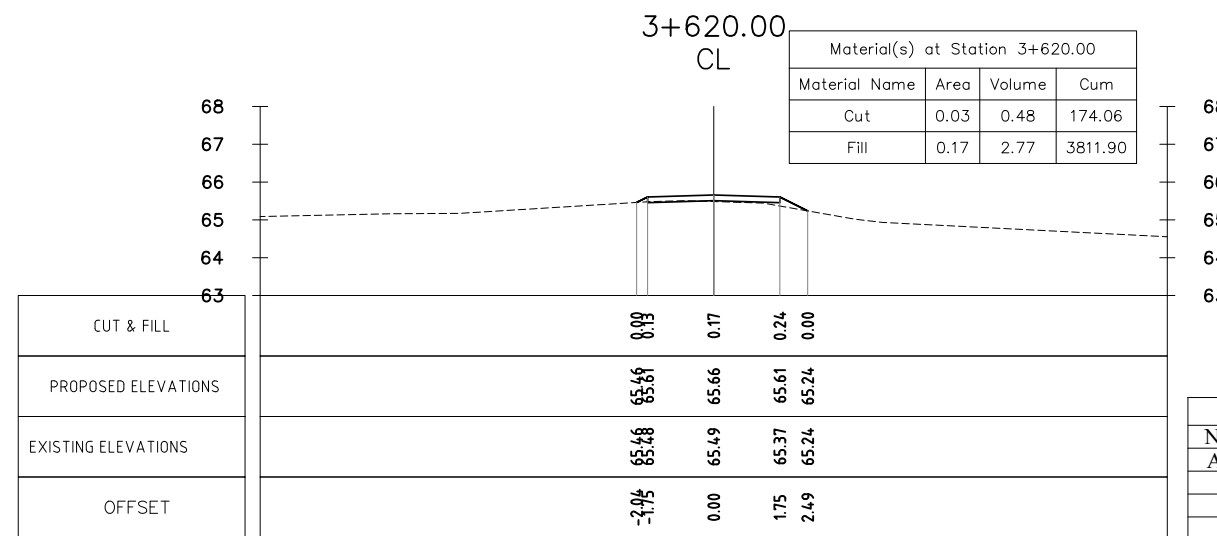
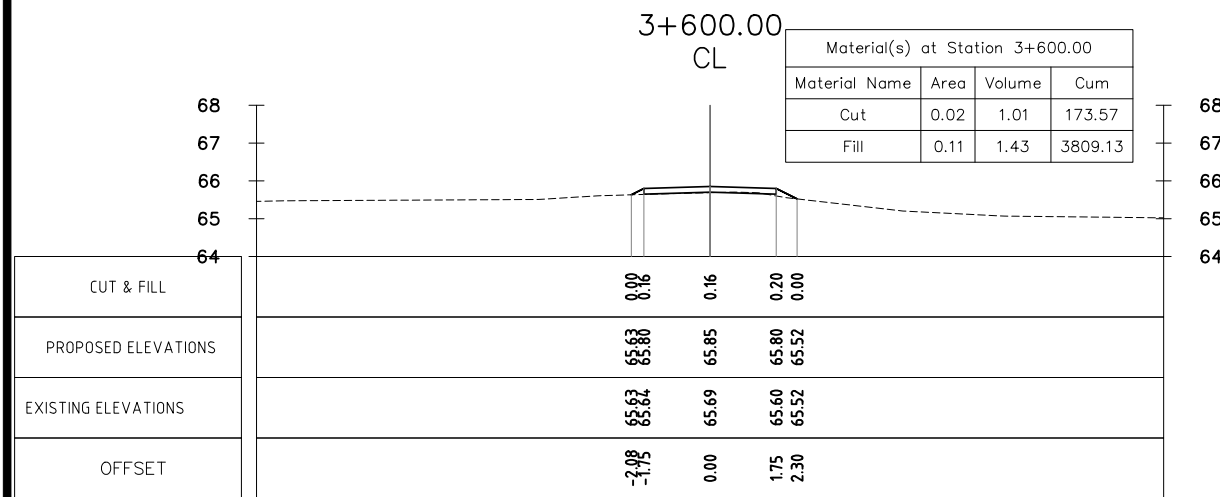
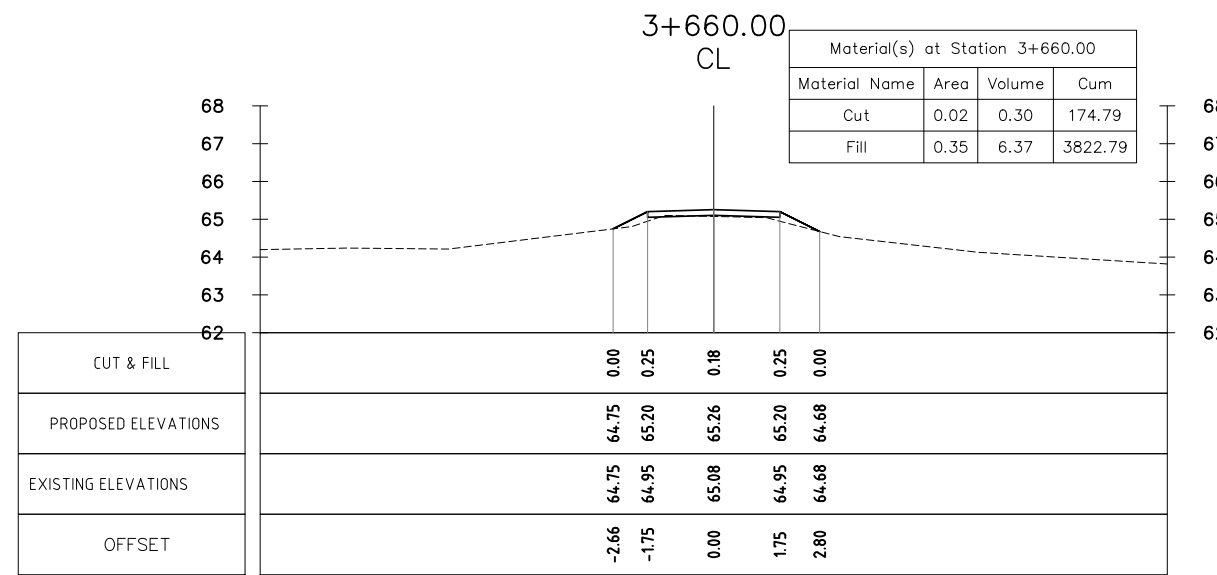
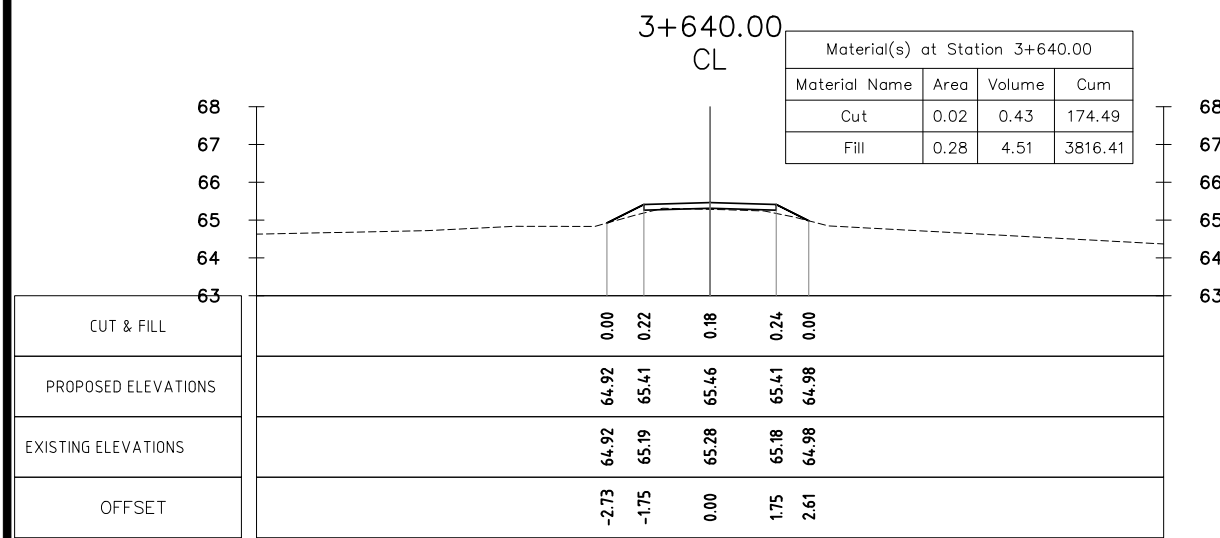
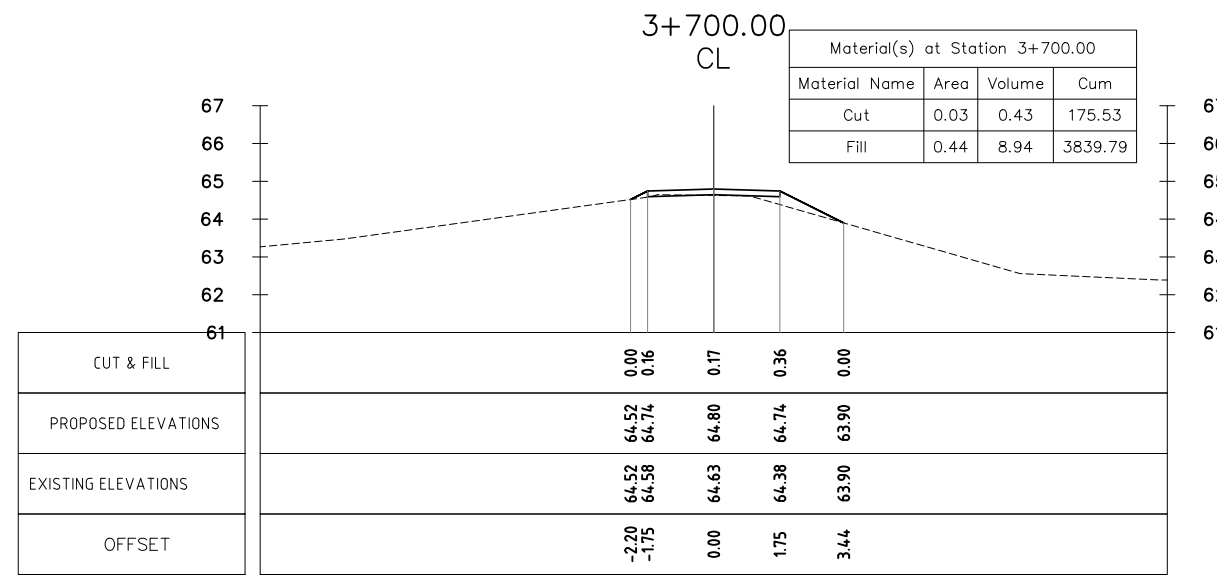
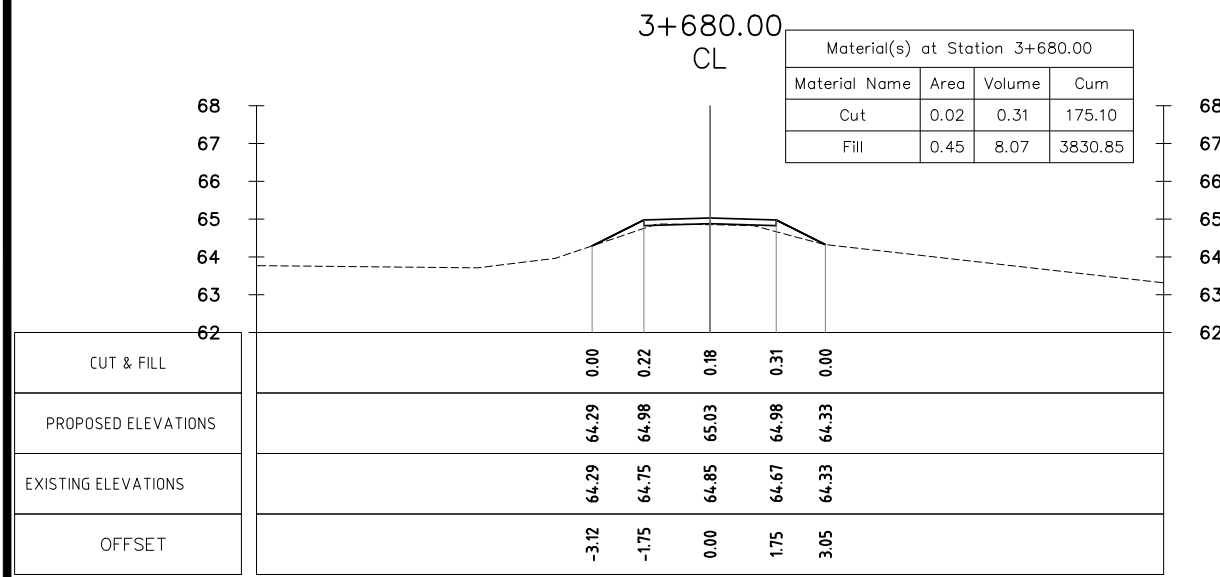


ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 3+480-3+580			
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-163



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE:  
 DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

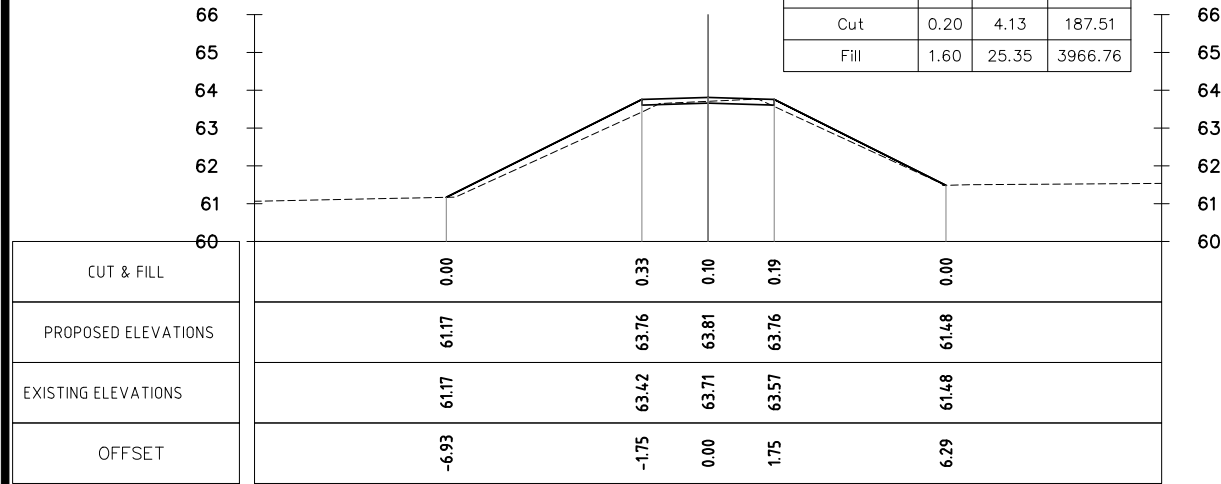
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 3+600-3+700			
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-164

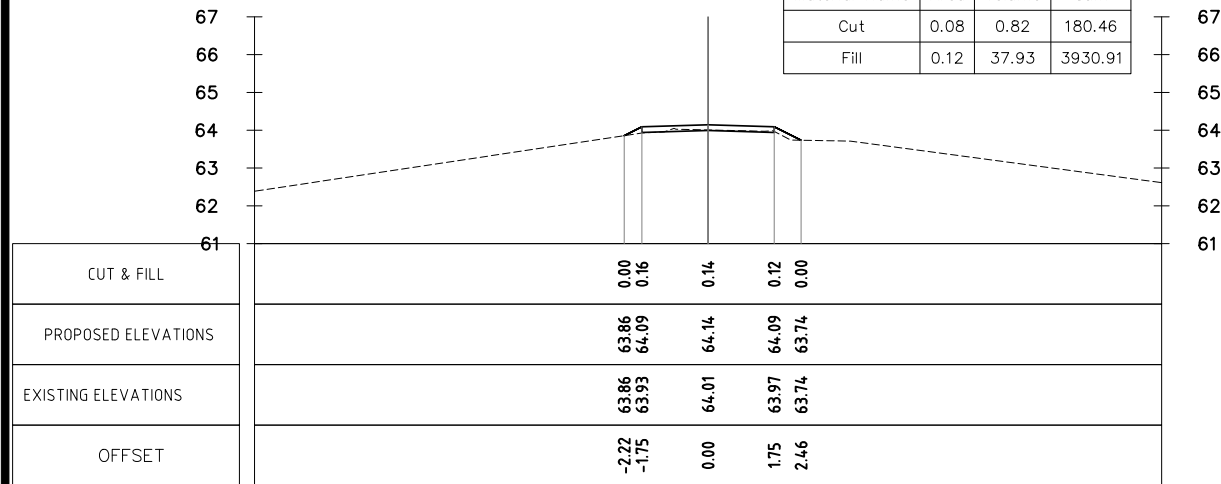
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CL

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Fill	1.60	25.35	3966.76



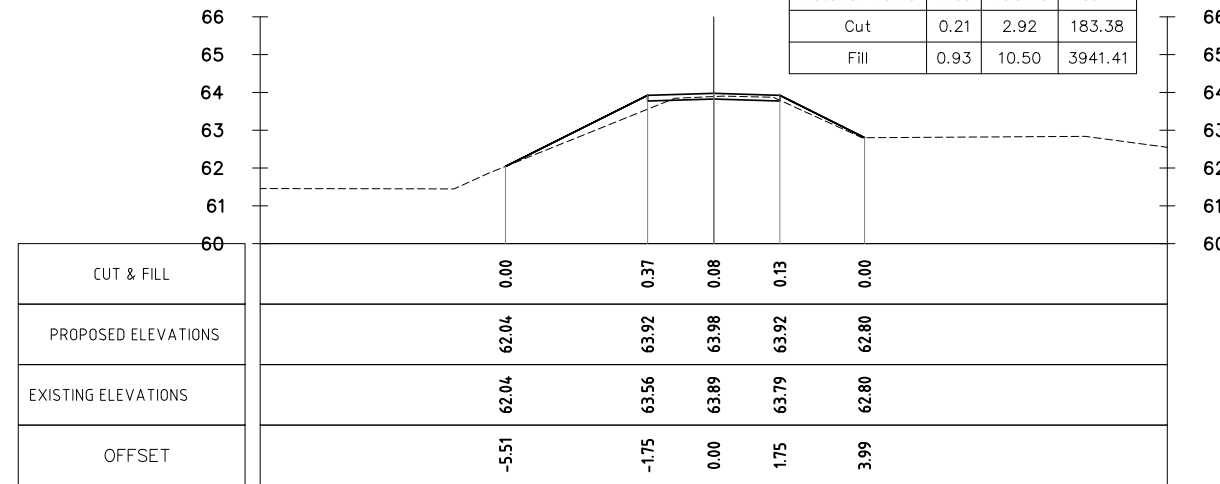
3+760.00  
CL

Material(s) at Station 3+760.00			
Material Name	Area	Volume	Cum
Cut	0.08	0.82	180.46
Fill	0.12	37.93	3930.91



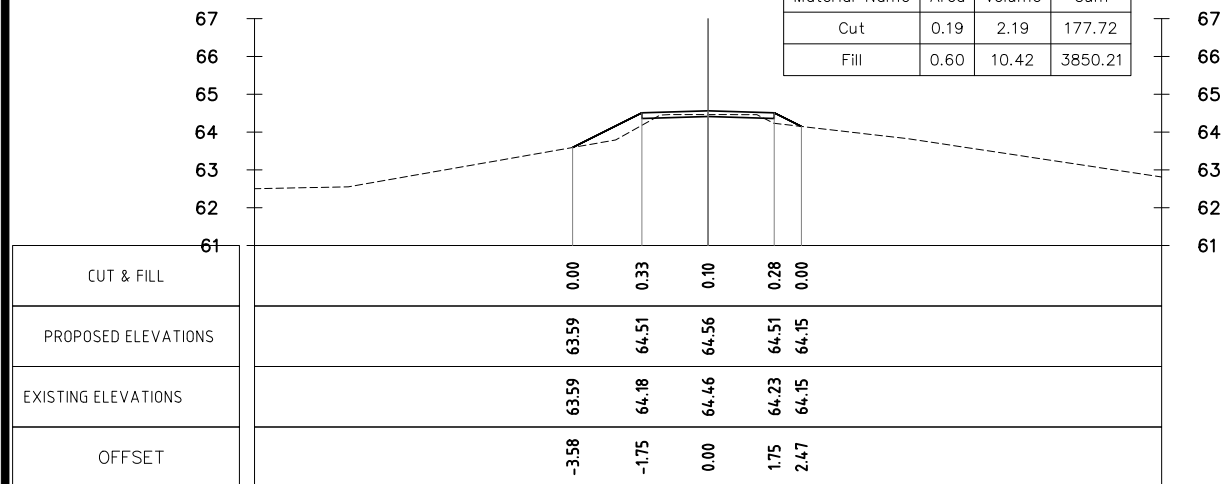
3+780.00  
CL

Material(s) at Station 3+780.00			
Material Name	Area	Volume	Cum
Cut	0.21	2.92	183.38
Fill	0.93	10.50	3941.41



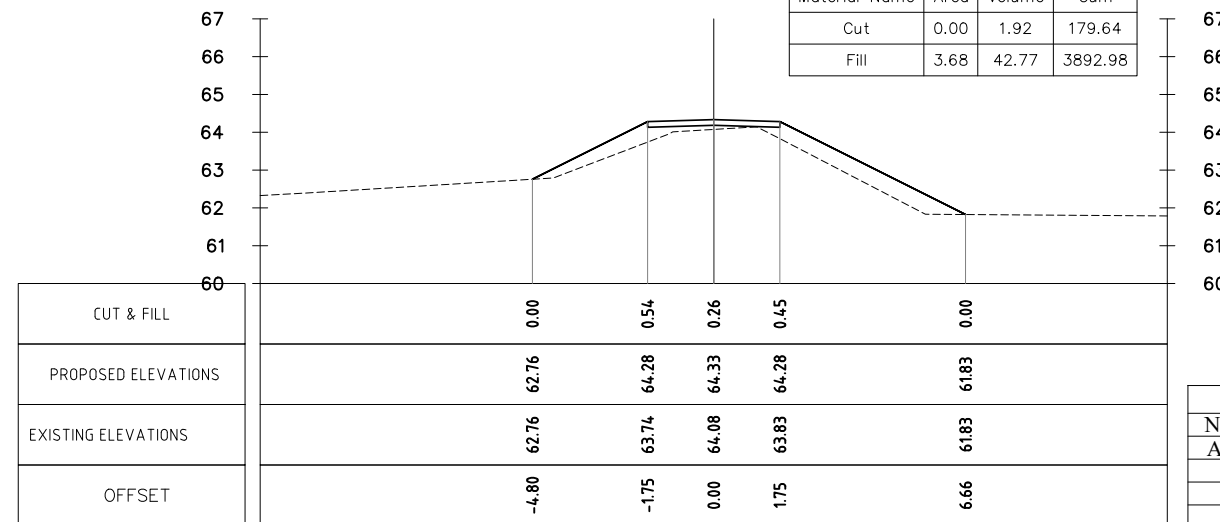
3+720.00  
CL

Material(s) at Station 3+720.00			
Material Name	Area	Volume	Cum
Cut	0.19	2.19	177.72
Fill	0.60	10.42	3850.21



3+740.00  
CL

Material(s) at Station 3+740.00			
Material Name	Area	Volume	Cum
Cut	0.00	1.92	179.64
Fill	3.68	42.77	3892.98



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

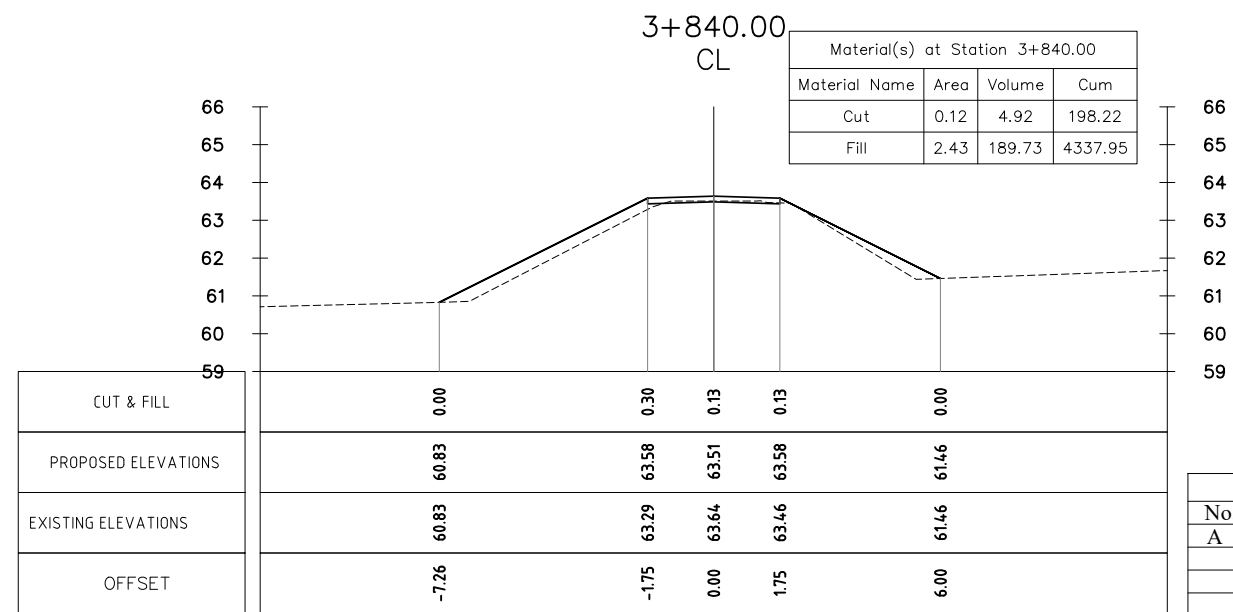
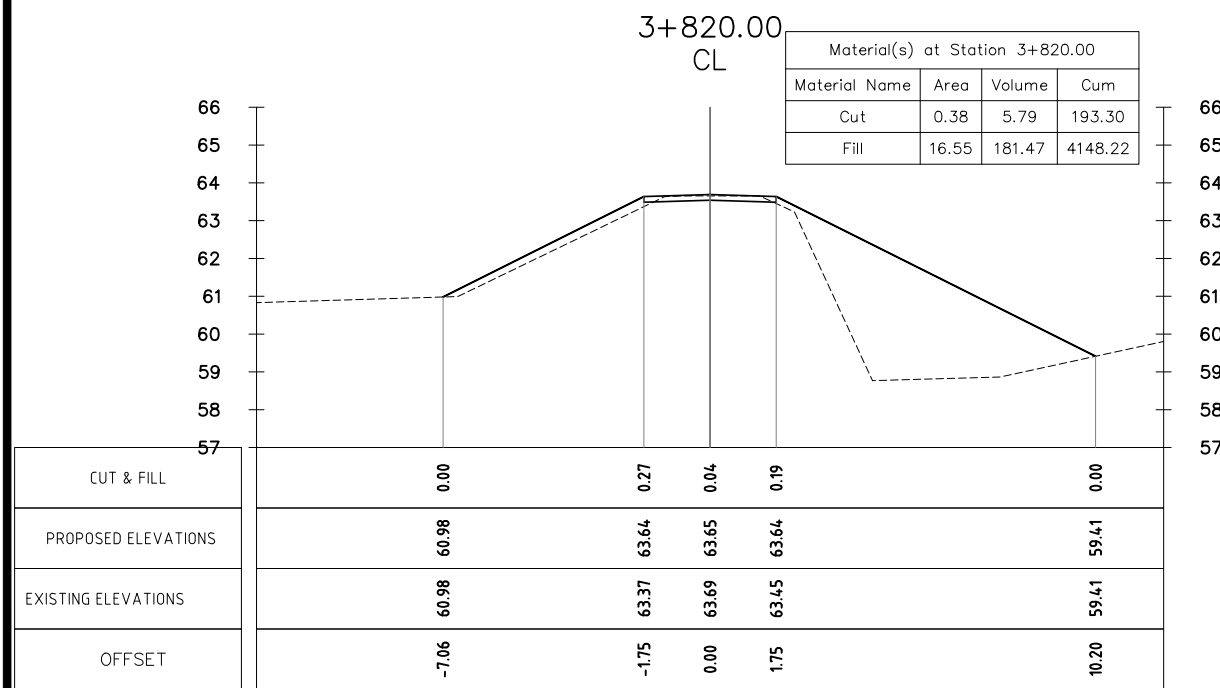
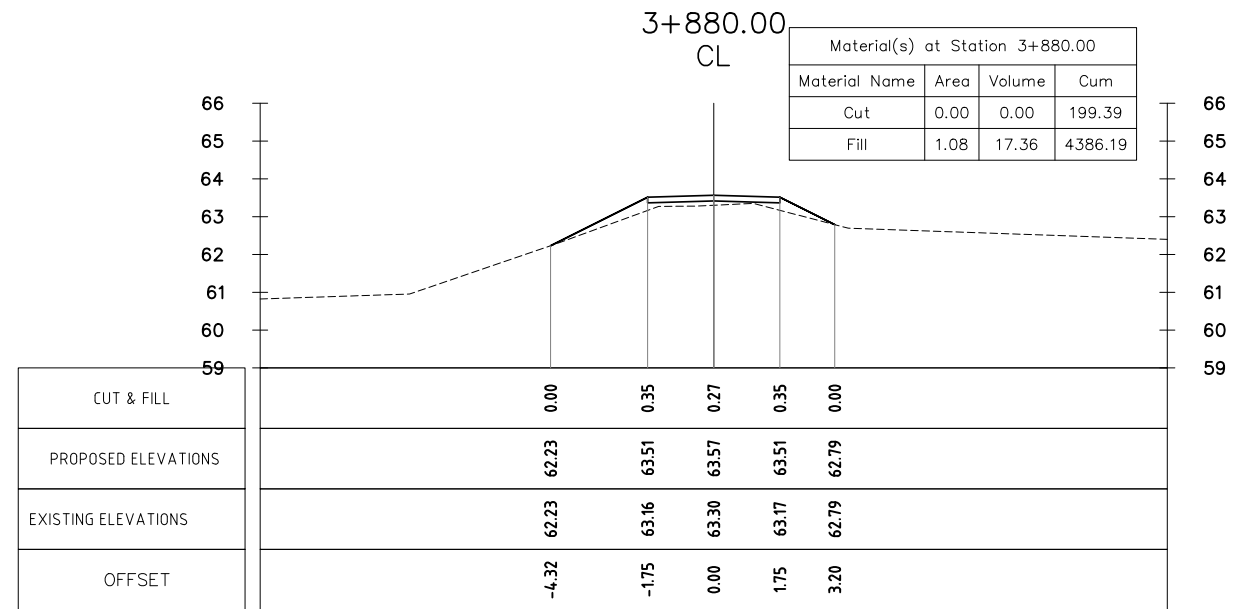
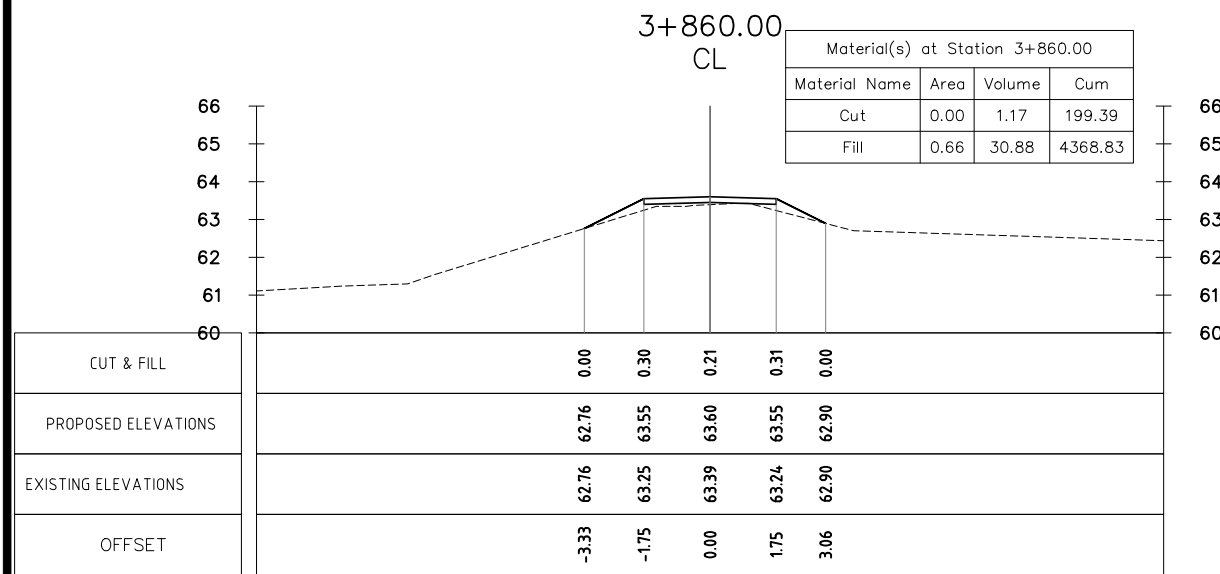
TITLE:  
DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 3+720-3+780			
SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-165



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

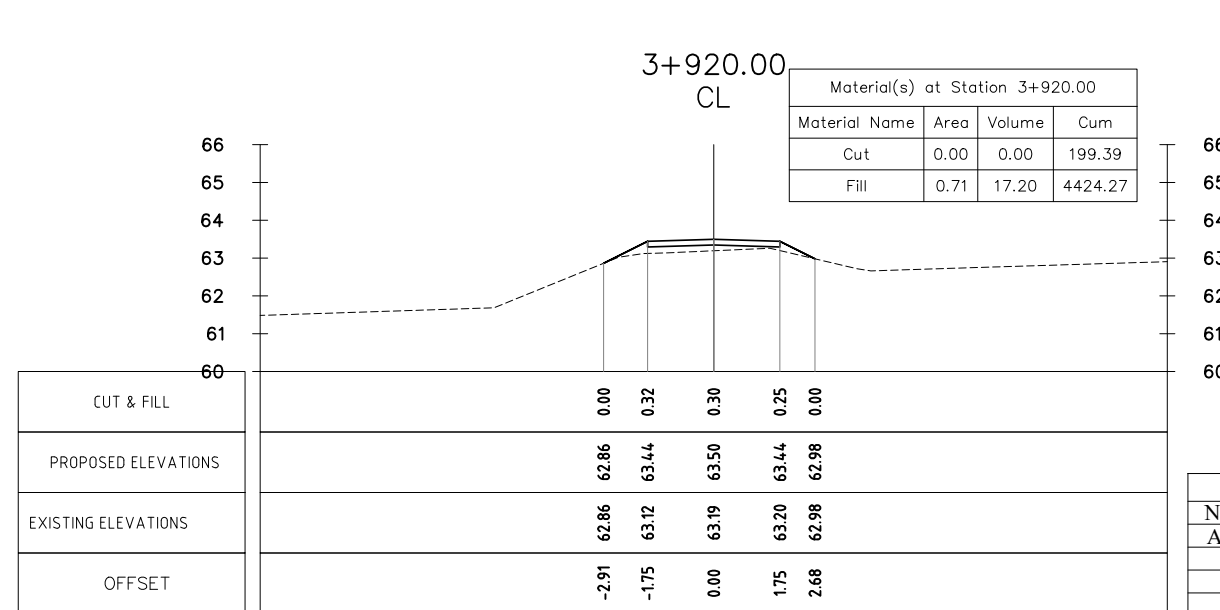
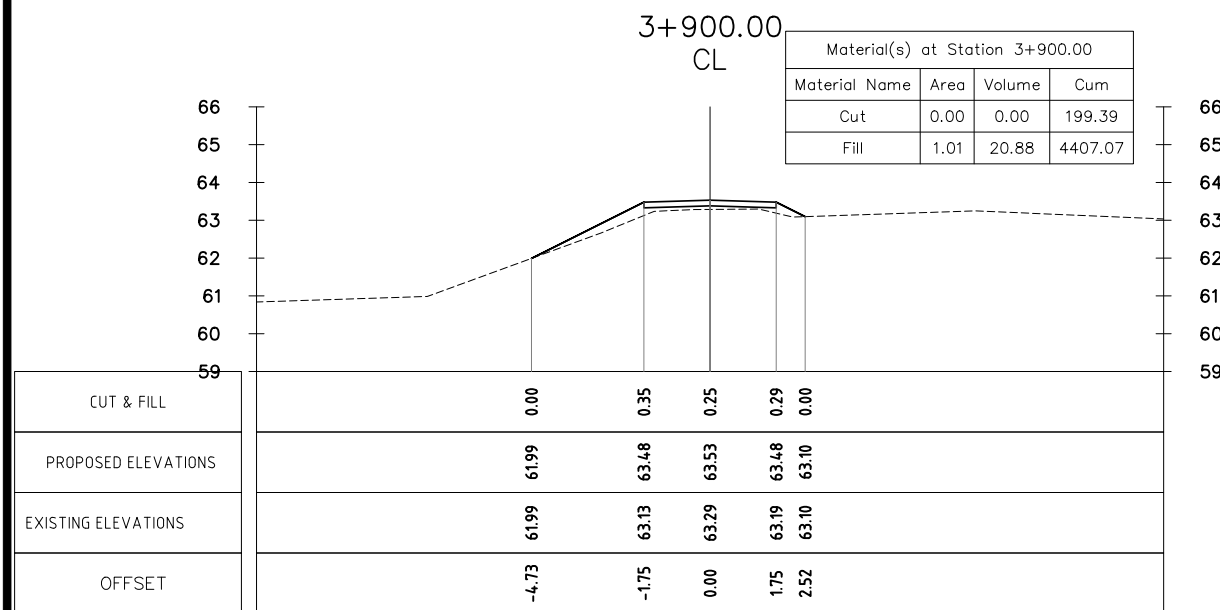
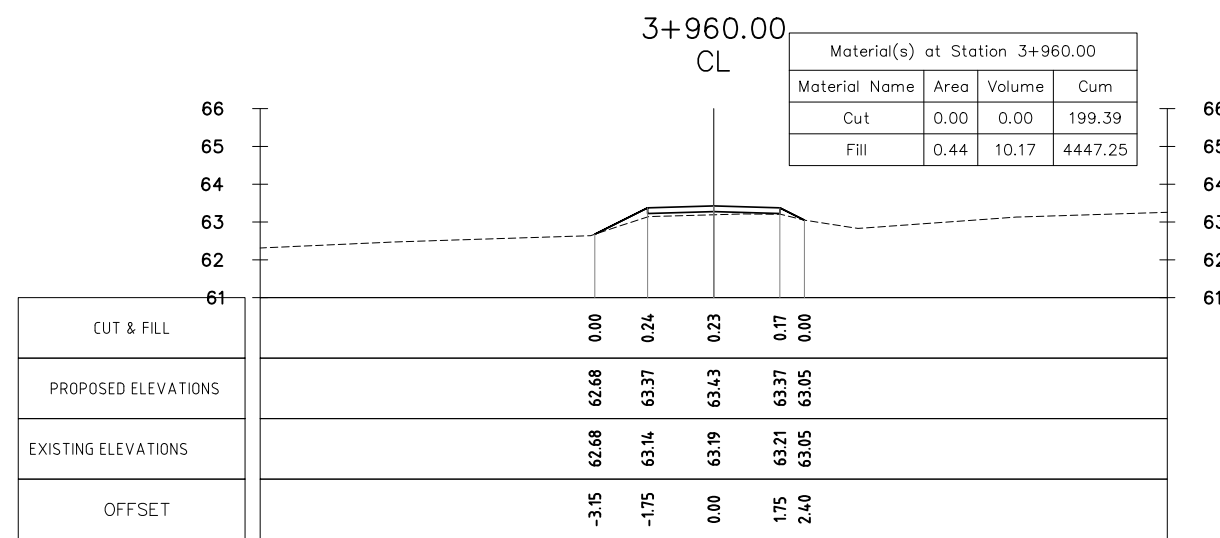
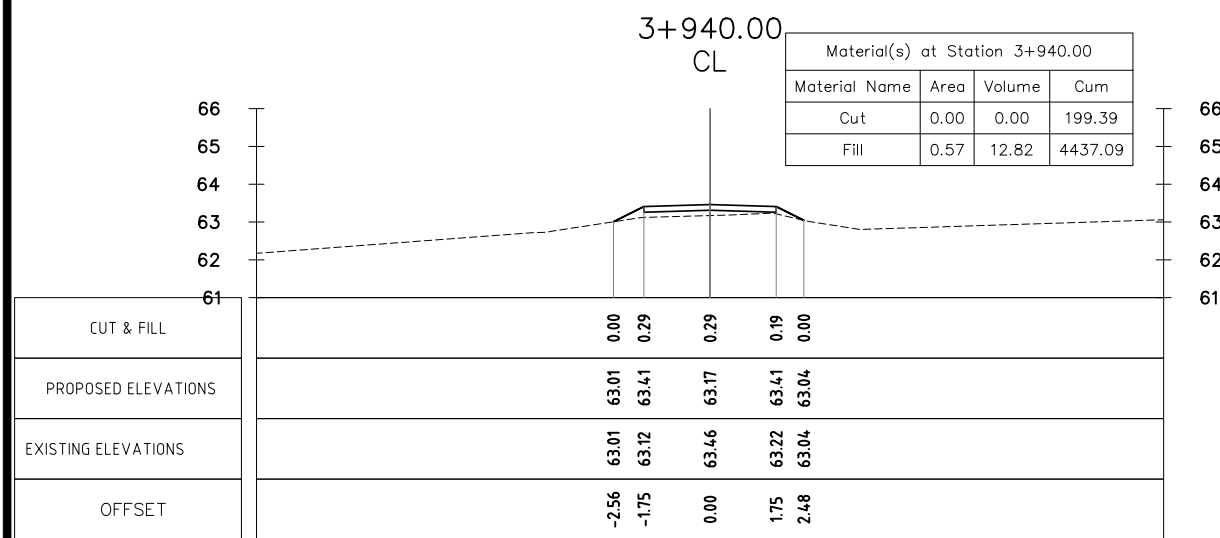
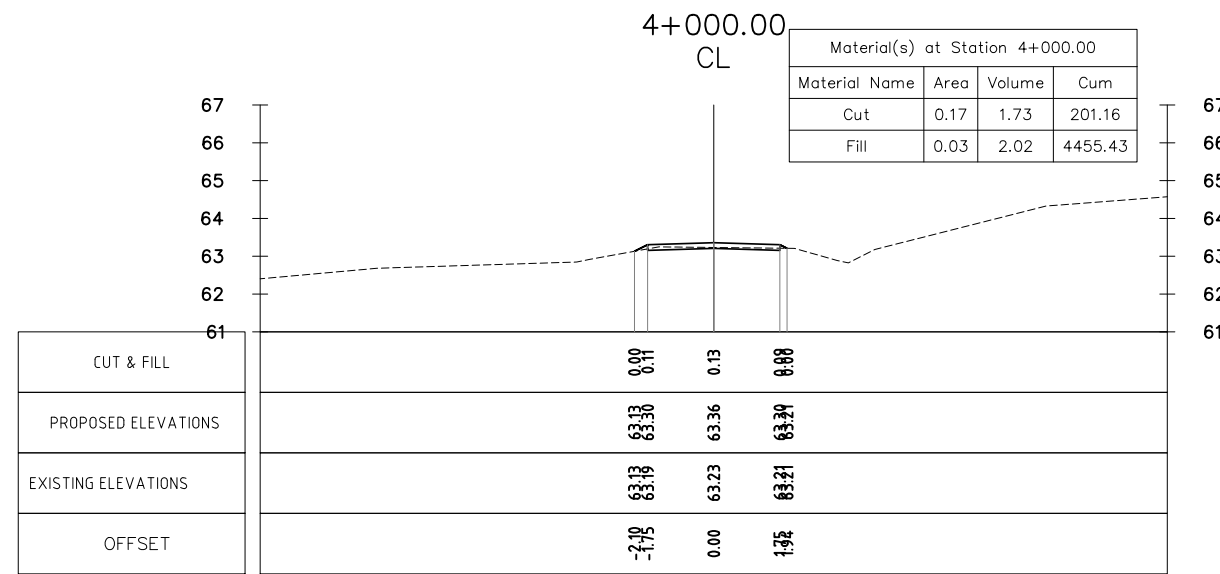
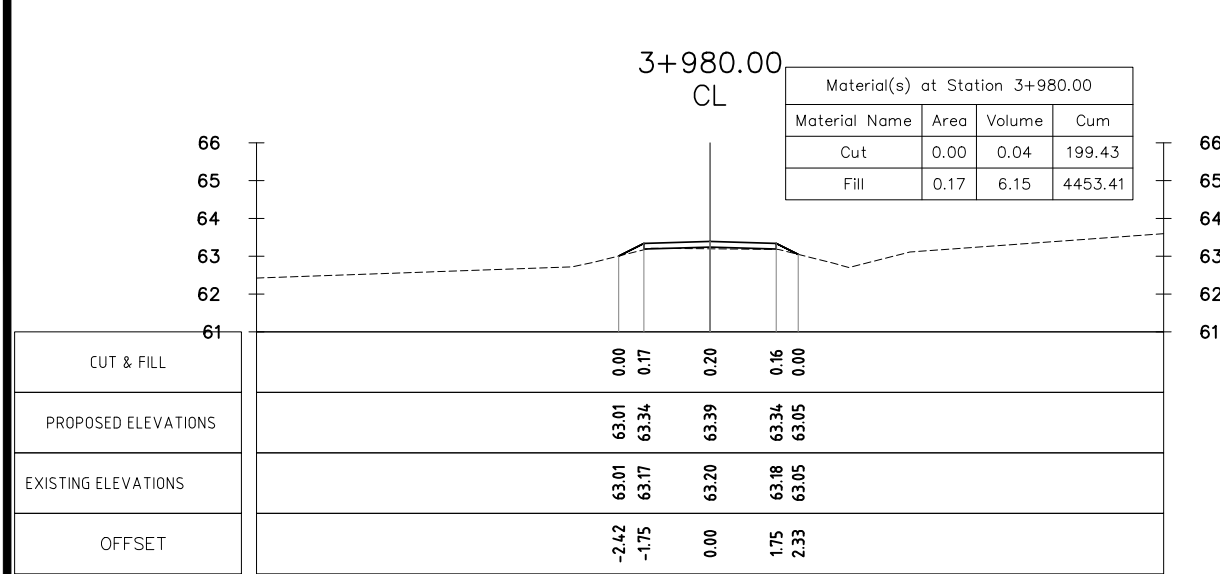
TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 3+820-3+880			
SCALE IN A3:	DATE :	DRAWING No. :	C-166
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

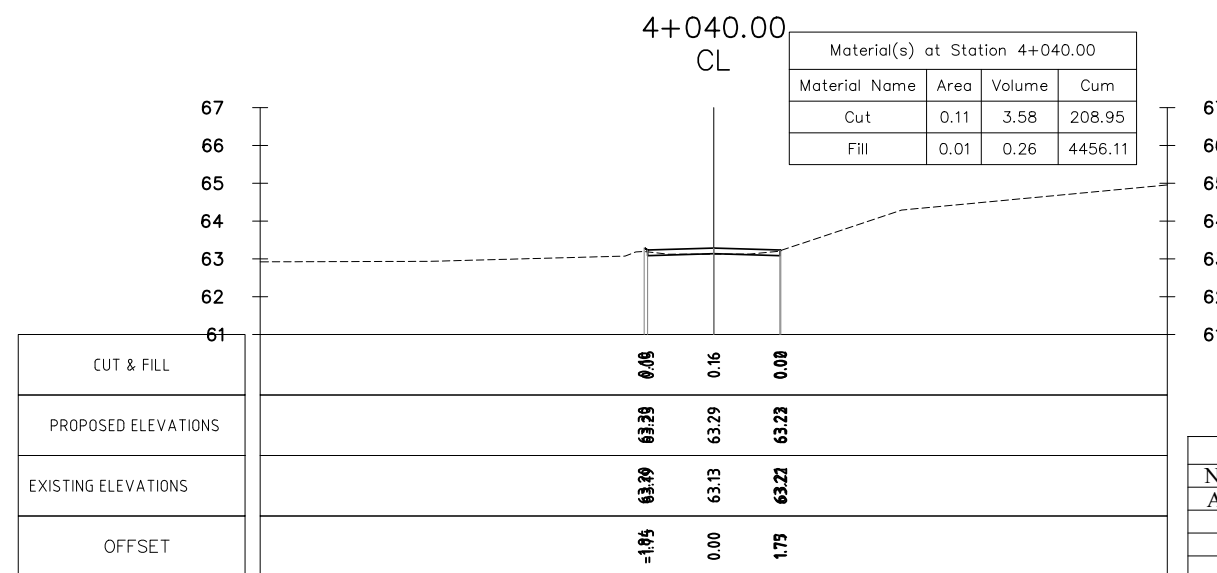
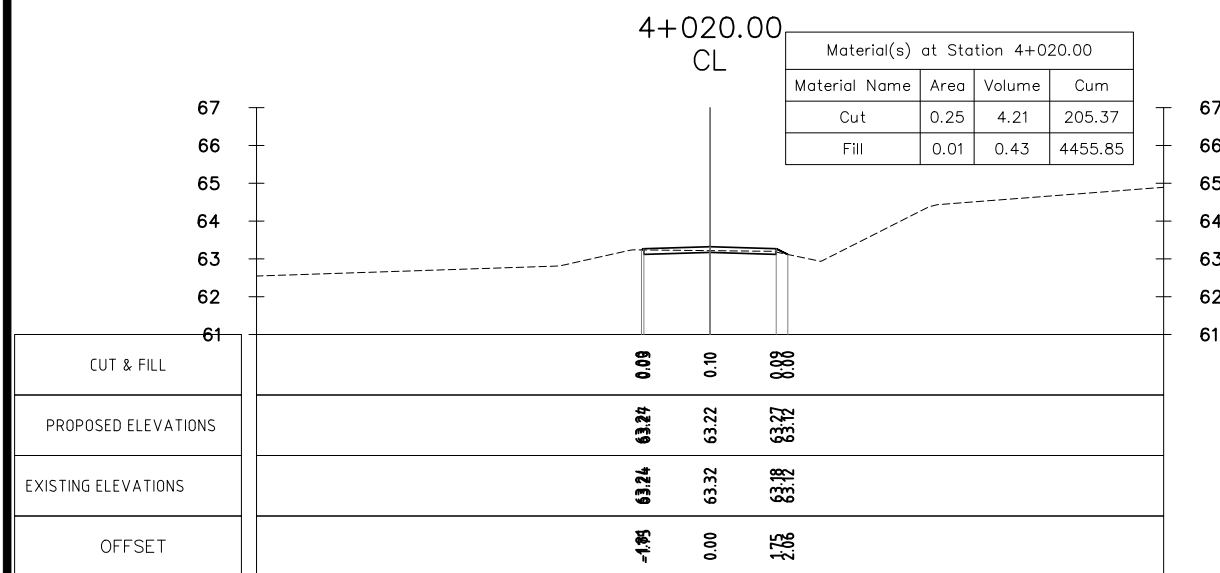
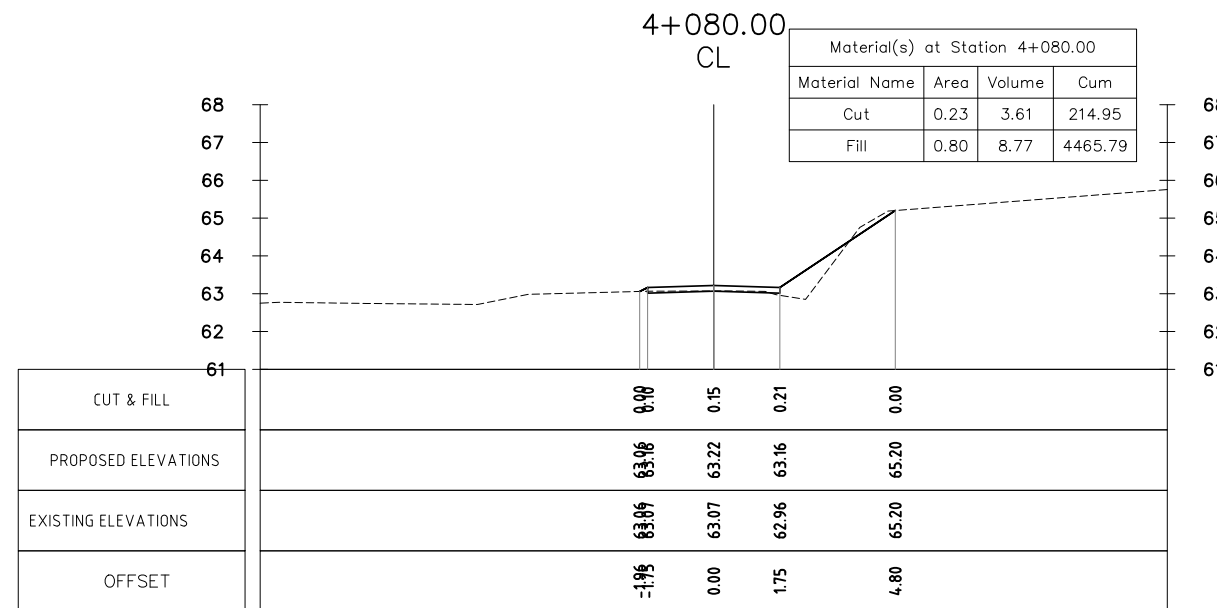
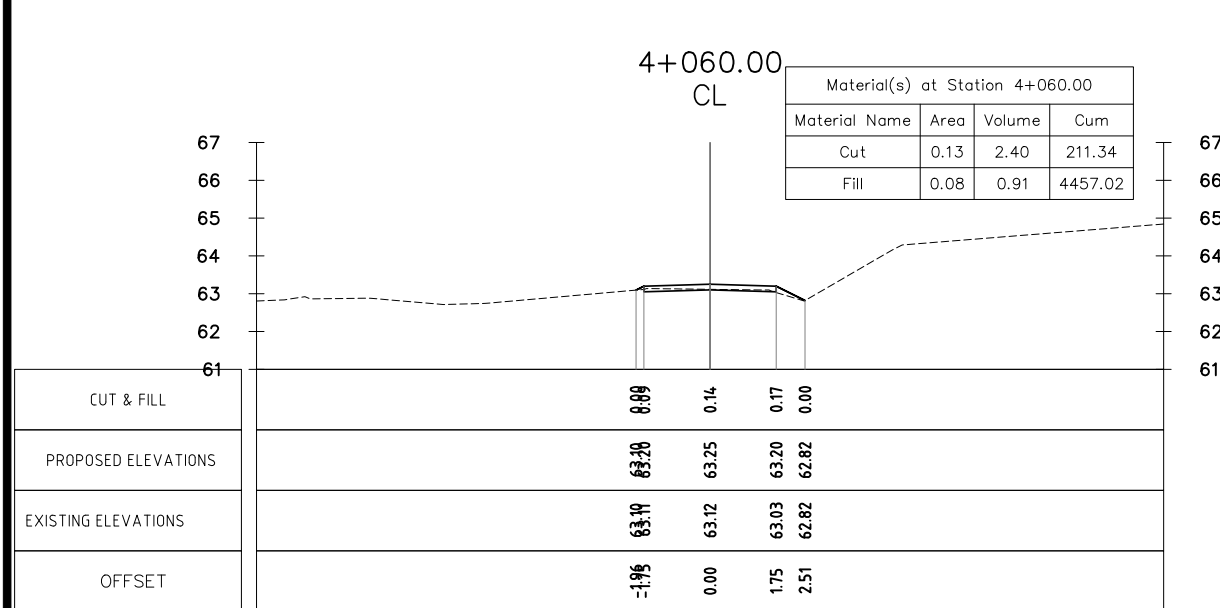
TITLE:  
DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 3+900-4+000			
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-167



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE:  
 DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

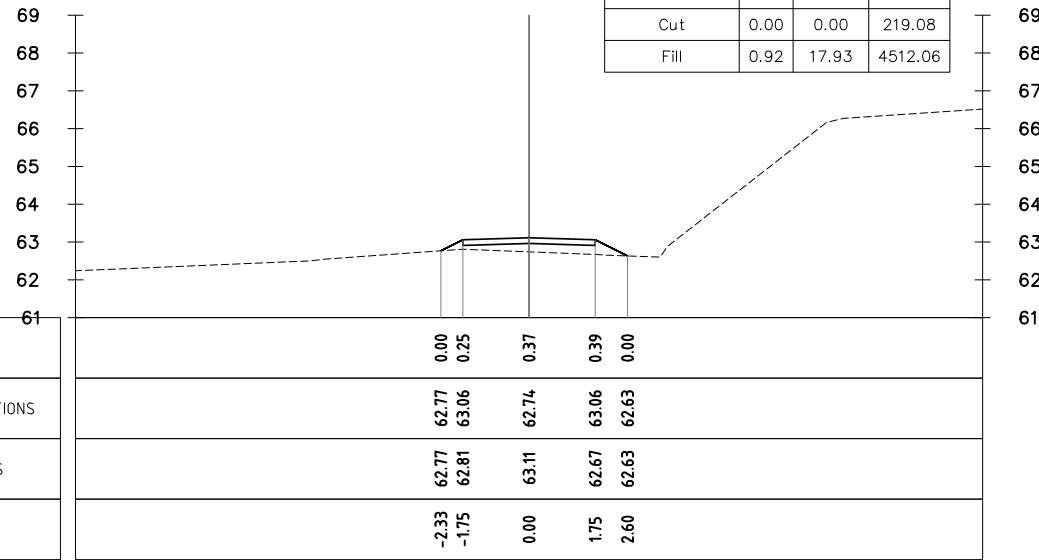


PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 4+020-4+080			
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-168



4+140.00  
CL

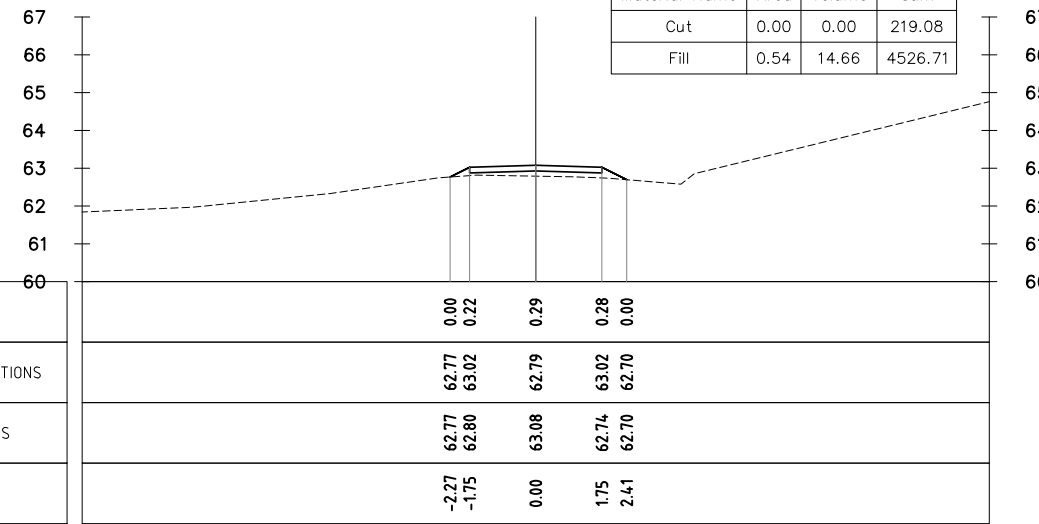
Material(s) at Station 4+140.00			
Material Name	Area	Volume	Cum
Cut	0.00	0.00	219.08
Fill	0.92	17.93	4512.06



CUT & FILL	0.00	0.25	0.37	0.39	0.00
PROPOSED ELEVATIONS	62.77	63.06	62.74	63.06	62.63
EXISTING ELEVATIONS	62.77	62.81	63.11	62.67	62.63
OFFSET	-2.33	-1.75	0.00	1.75	2.60

4+160.00  
CL

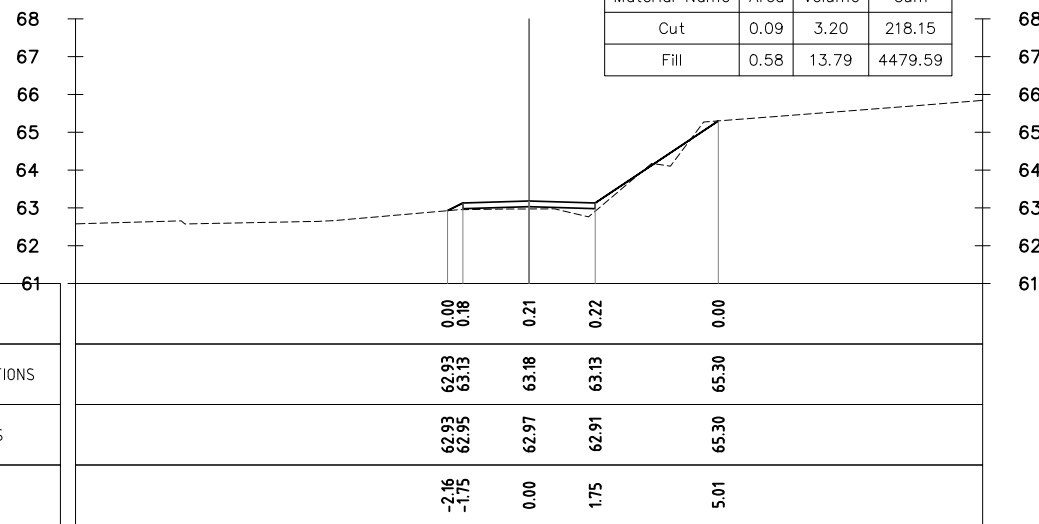
Material(s) at Station 4+160.00			
Material Name	Area	Volume	Cum
Cut	0.00	0.00	219.08
Fill	0.54	14.66	4526.71



CUT & FILL	0.00	0.22	0.29	0.28	0.00
PROPOSED ELEVATIONS	62.77	63.02	62.79	63.02	62.70
EXISTING ELEVATIONS	62.77	62.80	63.08	62.74	62.70
OFFSET	-2.27	-1.75	0.00	1.75	2.41

4+100.00  
CL

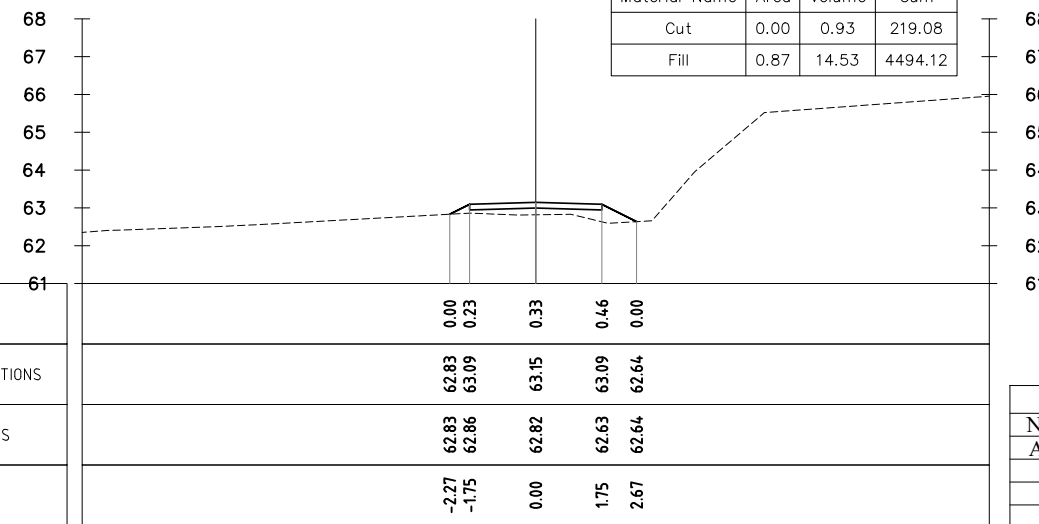
Material(s) at Station 4+100.00			
Material Name	Area	Volume	Cum
Cut	0.09	3.20	218.15
Fill	0.58	13.79	4479.59



CUT & FILL	0.00	0.18	0.21	0.22	0.00
PROPOSED ELEVATIONS	62.93	63.13	63.18	63.13	65.30
EXISTING ELEVATIONS	62.93	62.95	62.97	62.91	65.30
OFFSET	-2.16	-1.75	0.00	1.75	5.01

4+120.00  
CL

Material(s) at Station 4+120.00			
Material Name	Area	Volume	Cum
Cut	0.00	0.93	219.08
Fill	0.87	14.53	4494.12



CUT & FILL	0.00	0.23	0.33	0.46	0.00
PROPOSED ELEVATIONS	62.83	63.09	63.15	63.09	62.64
EXISTING ELEVATIONS	62.83	62.86	62.82	62.63	62.64
OFFSET	-2.27	-1.75	0.00	1.75	2.67

REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed: \_\_\_\_\_

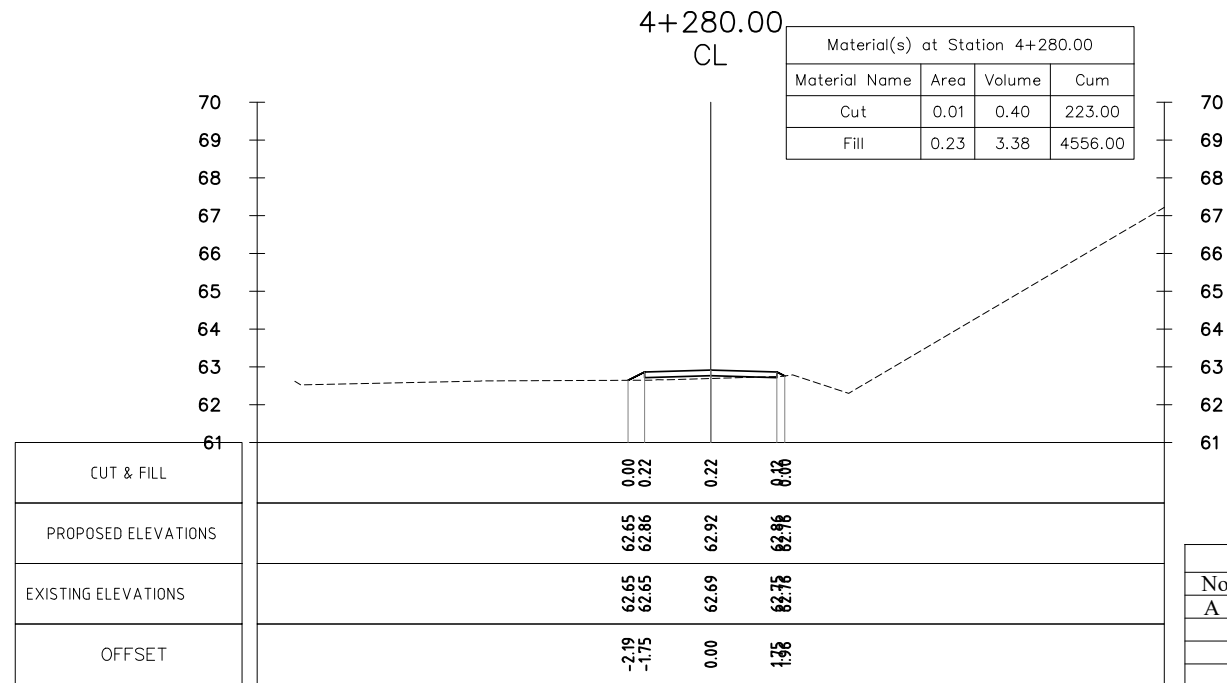
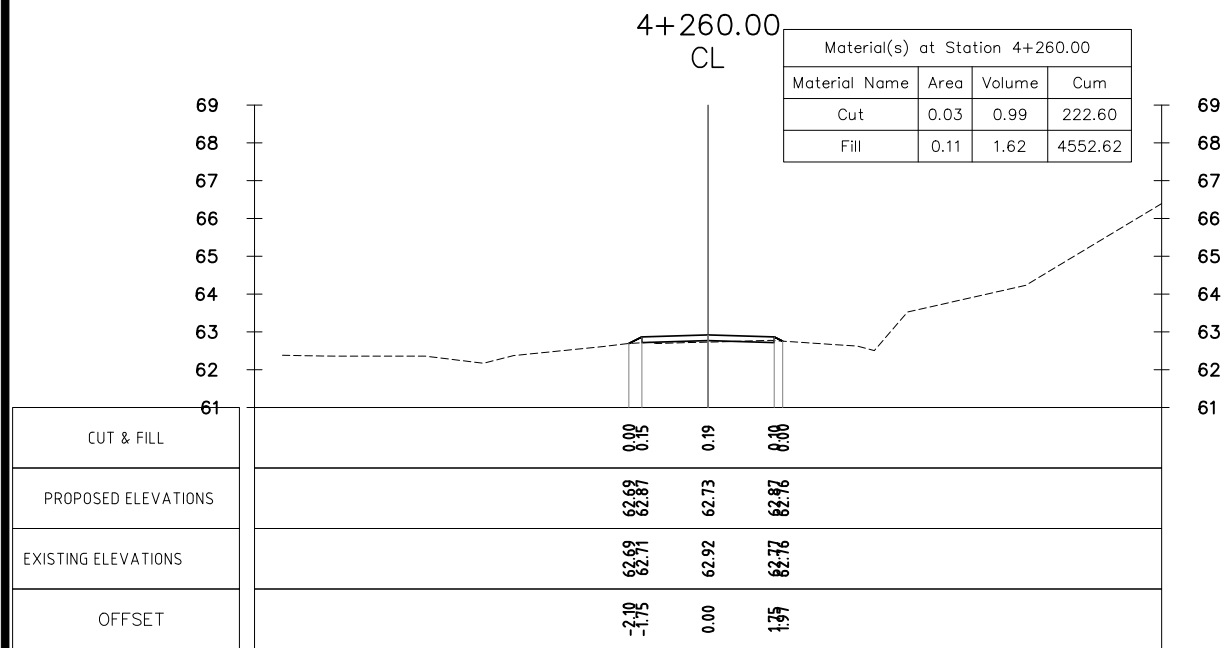
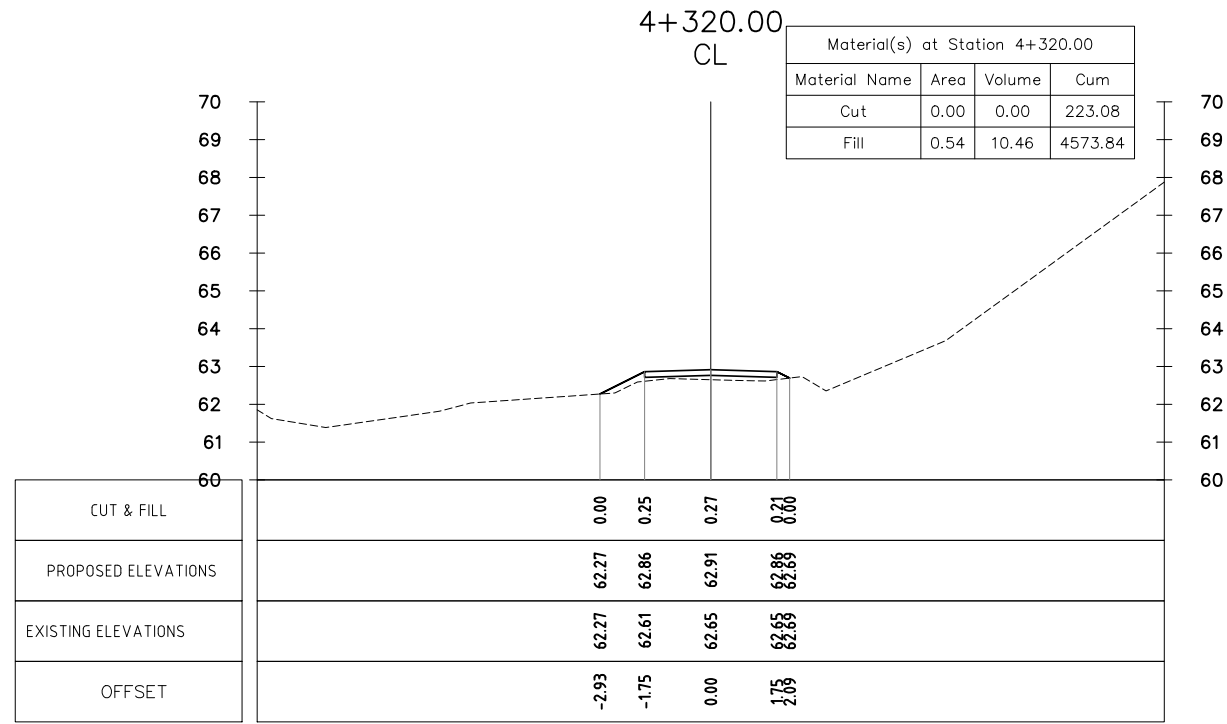
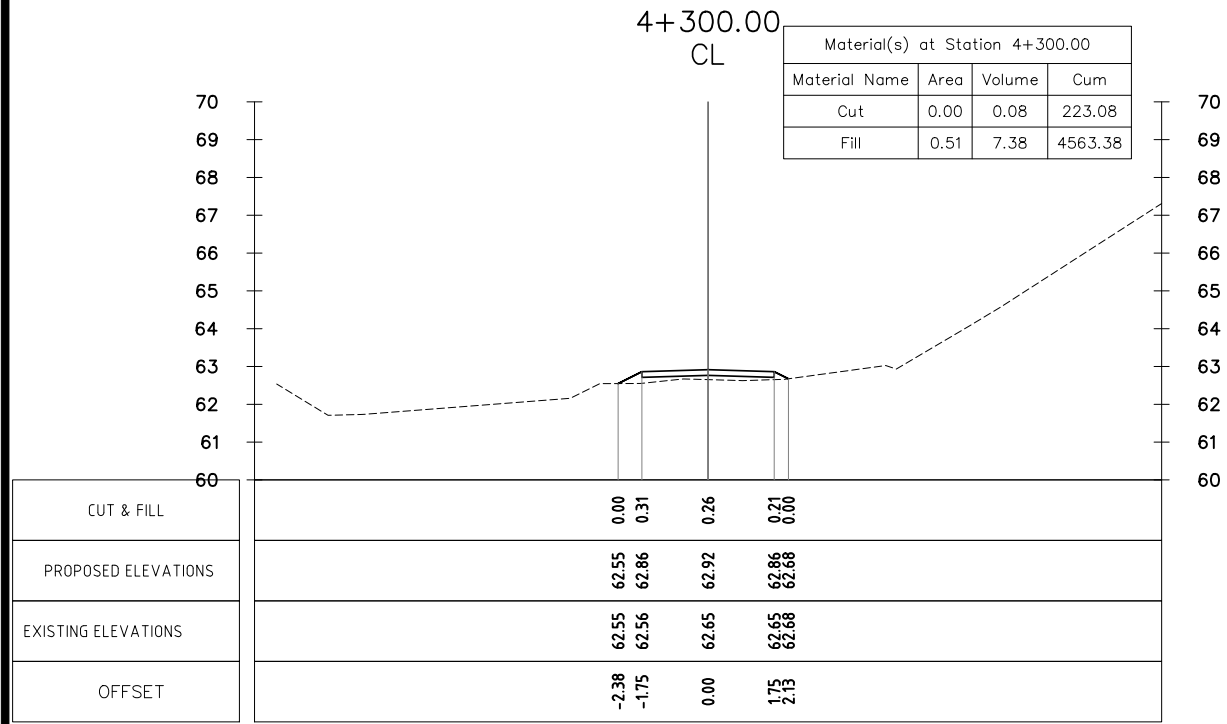
TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 4+100-4+160			
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-169



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18


Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

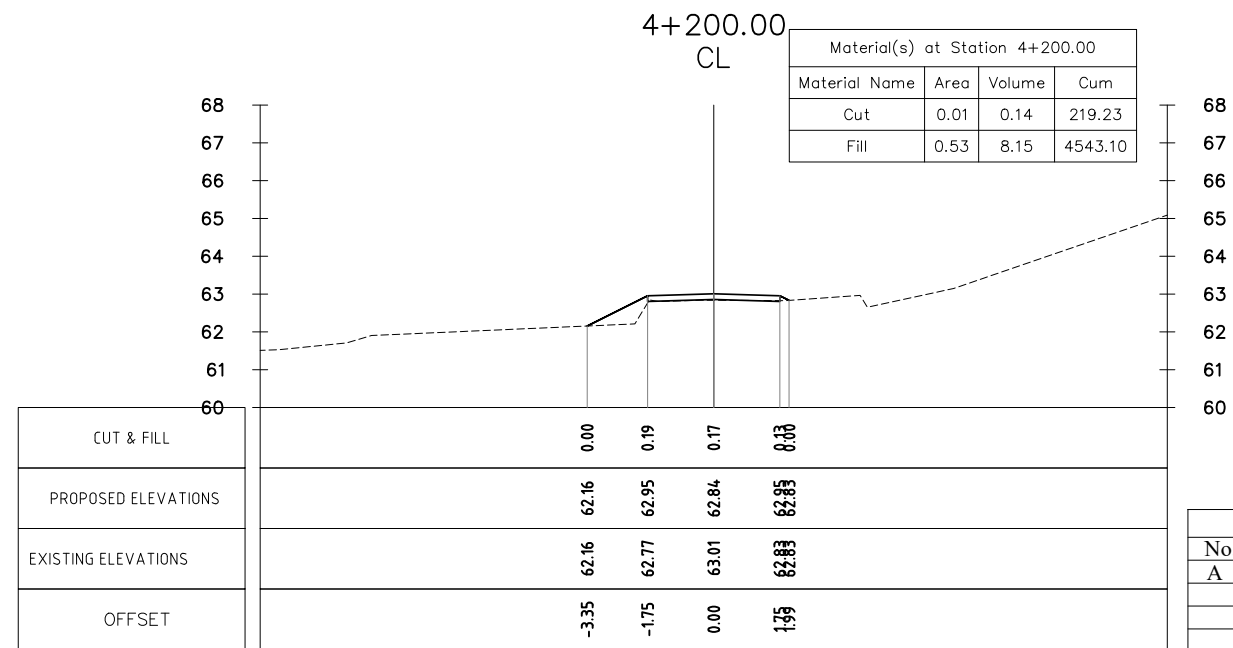
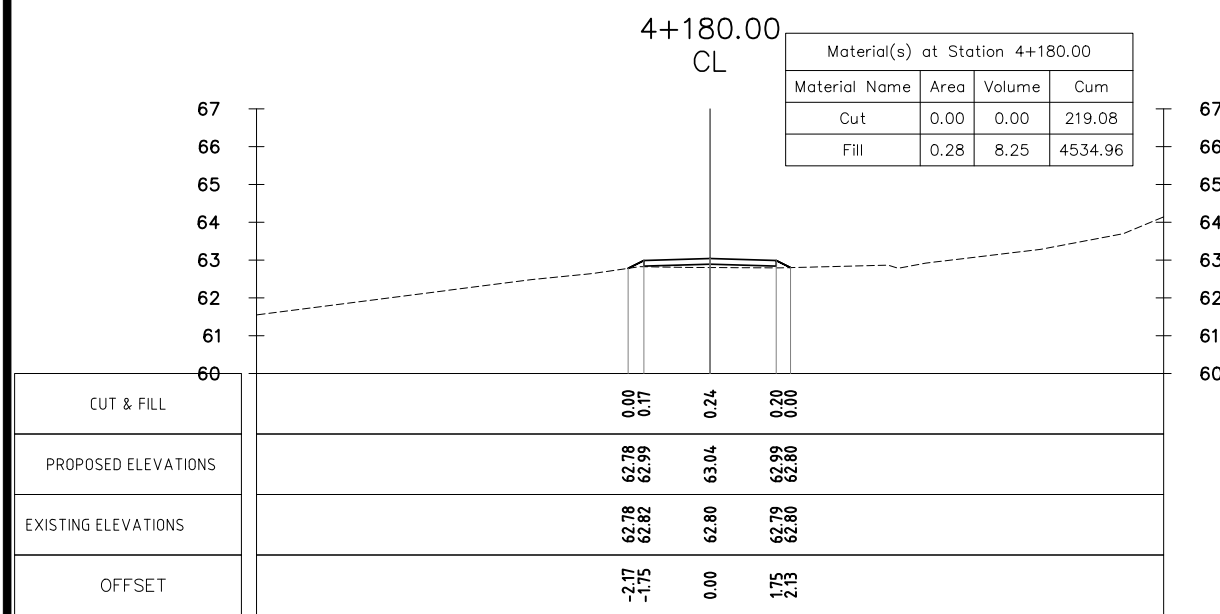
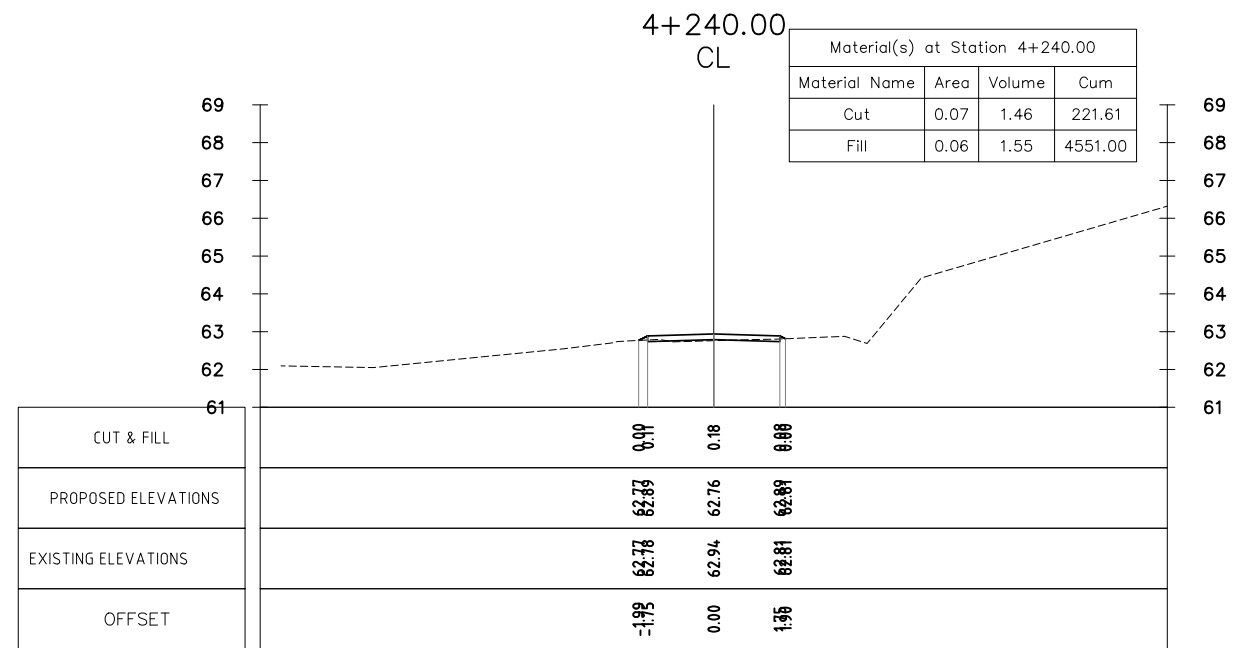
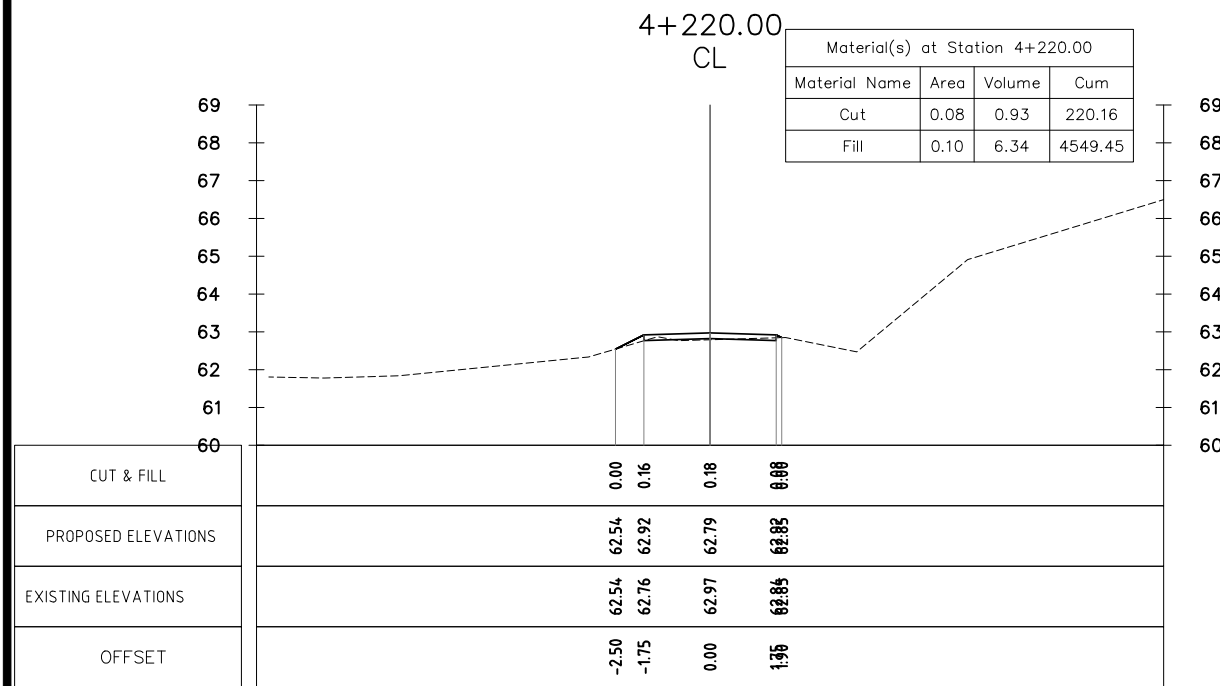





PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 4+260-4+320

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-171
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REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

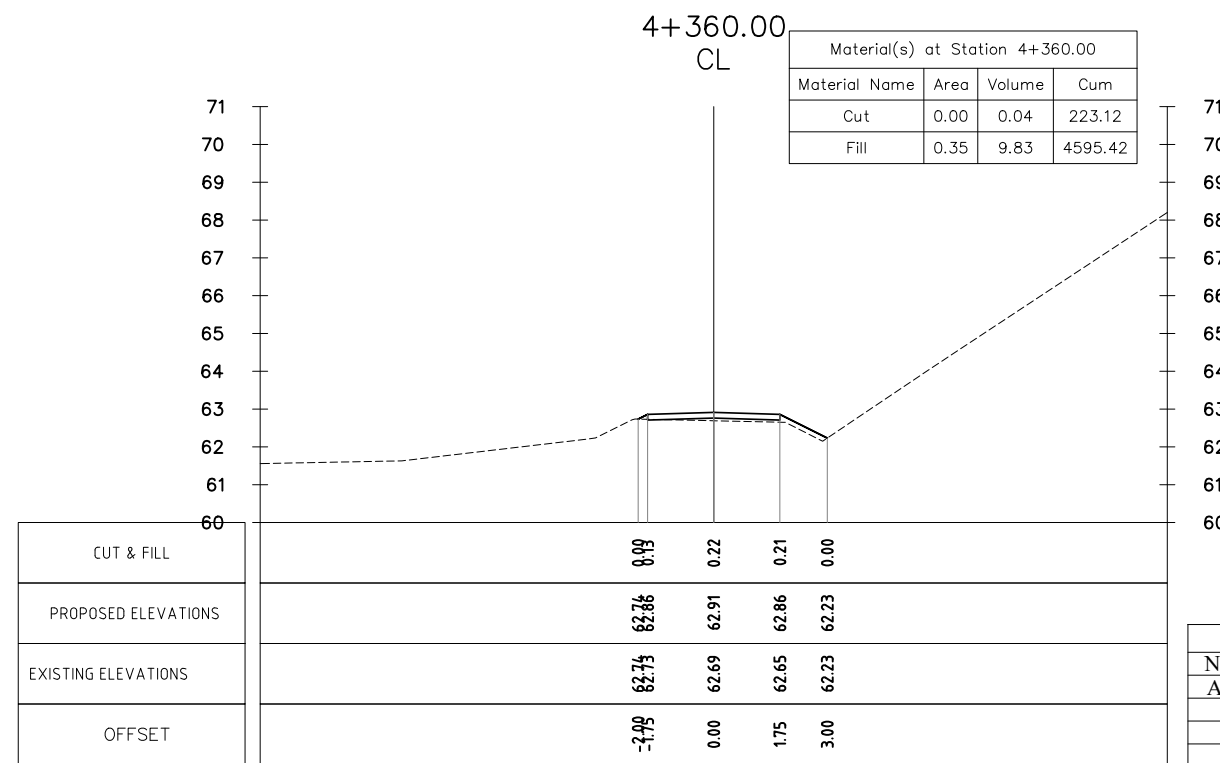
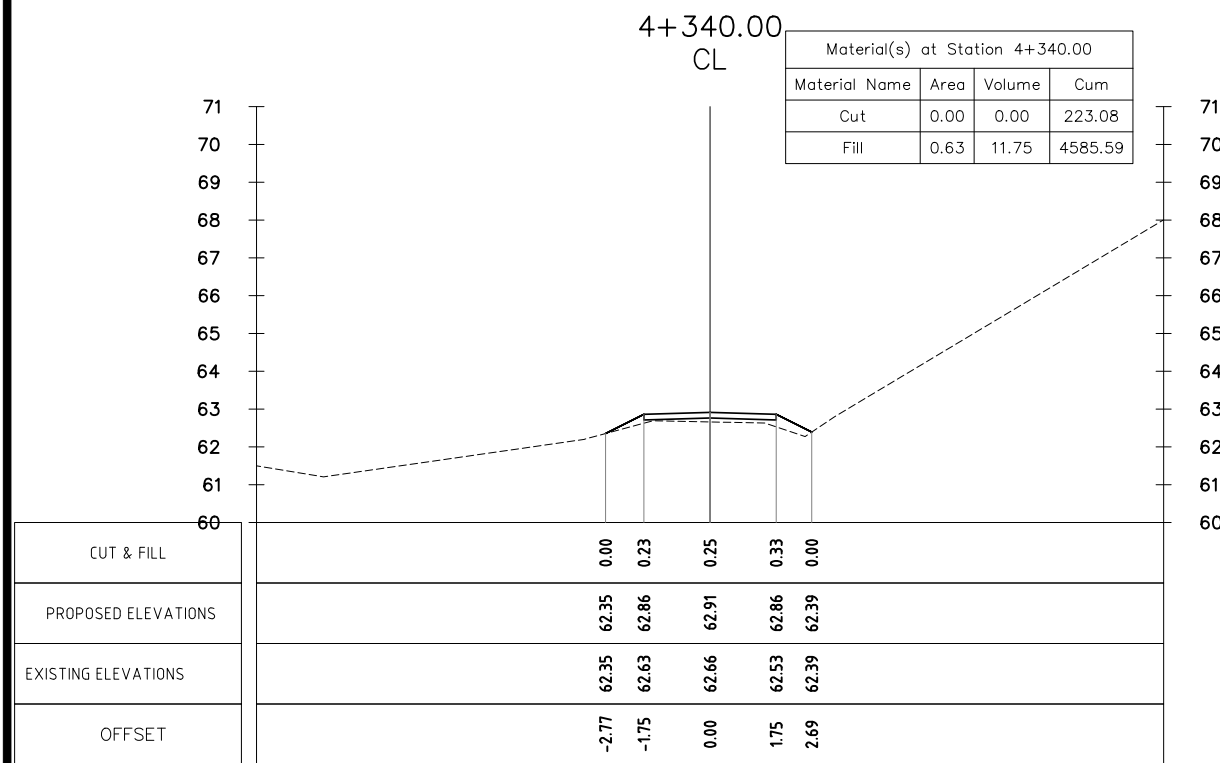
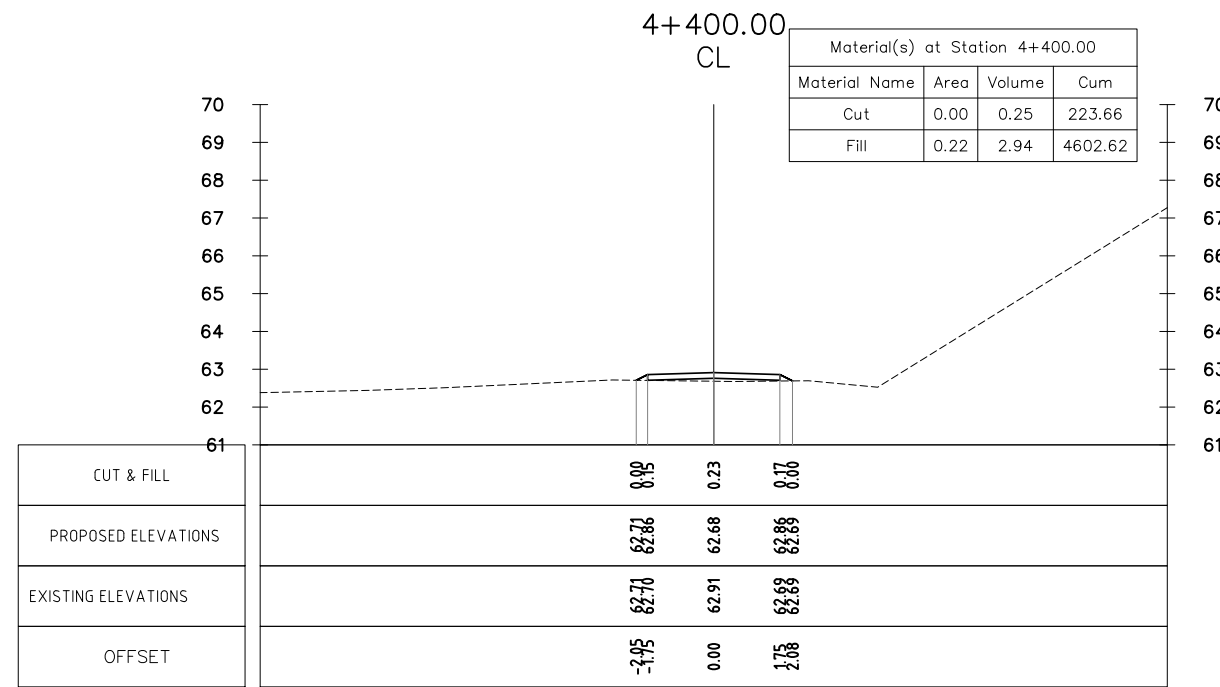
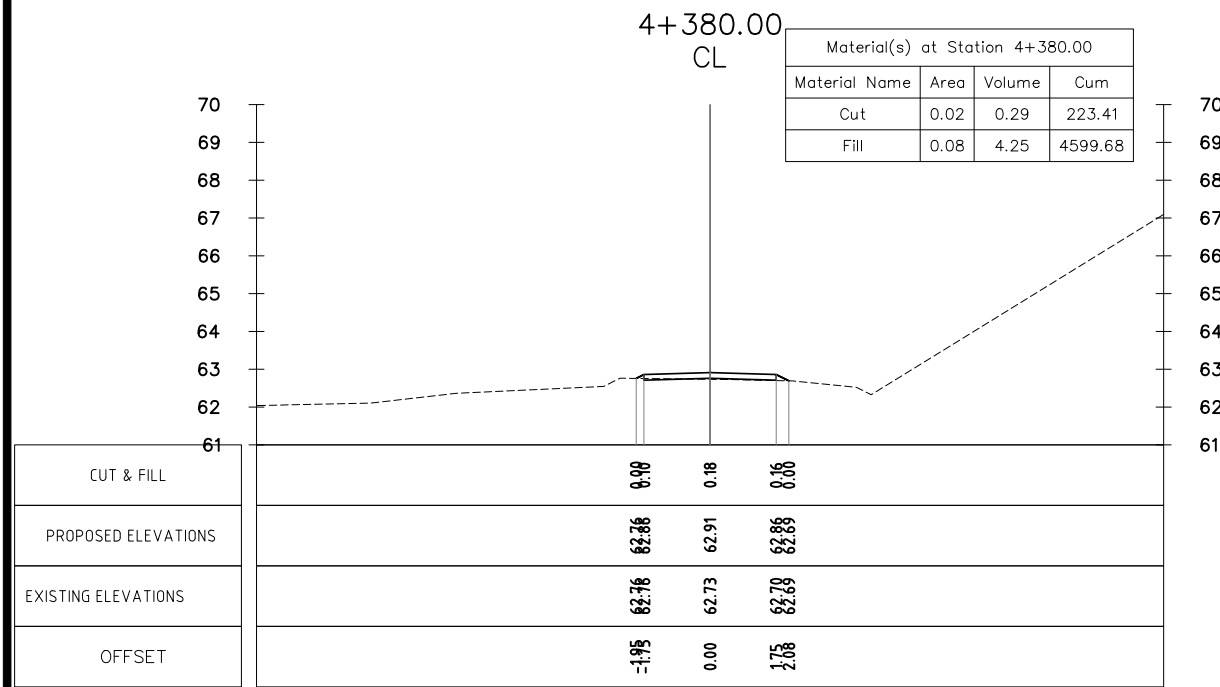
TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 4+180-4+240			
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-170



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE:  
 DATE:

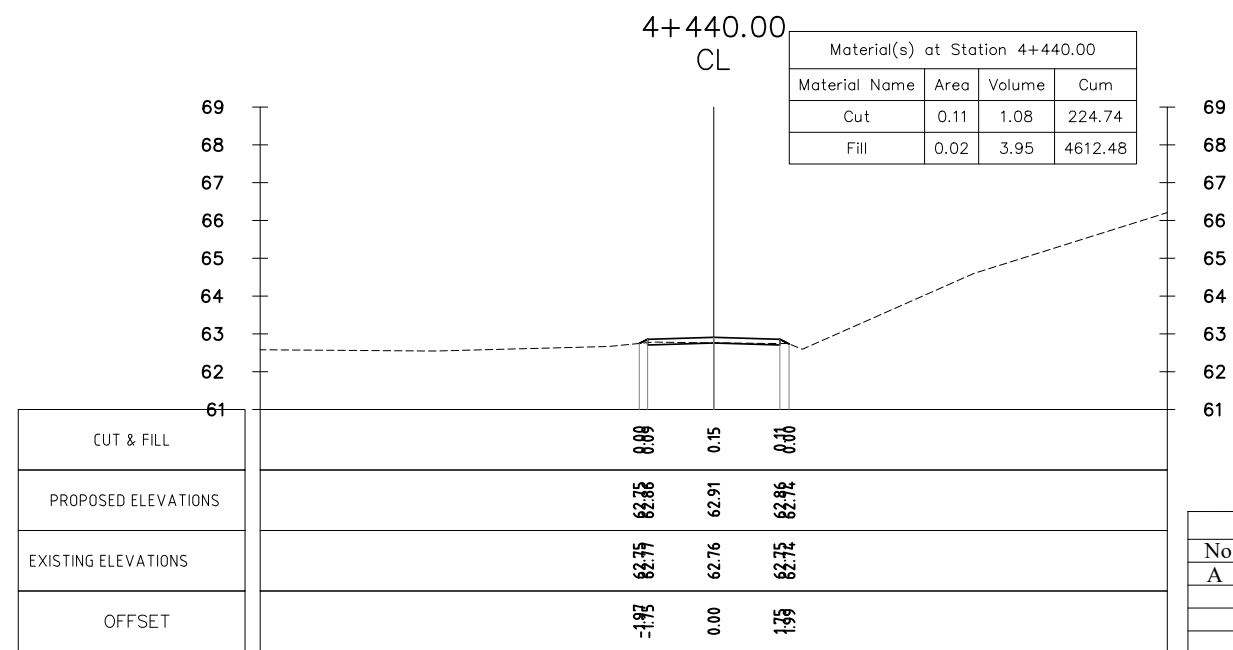
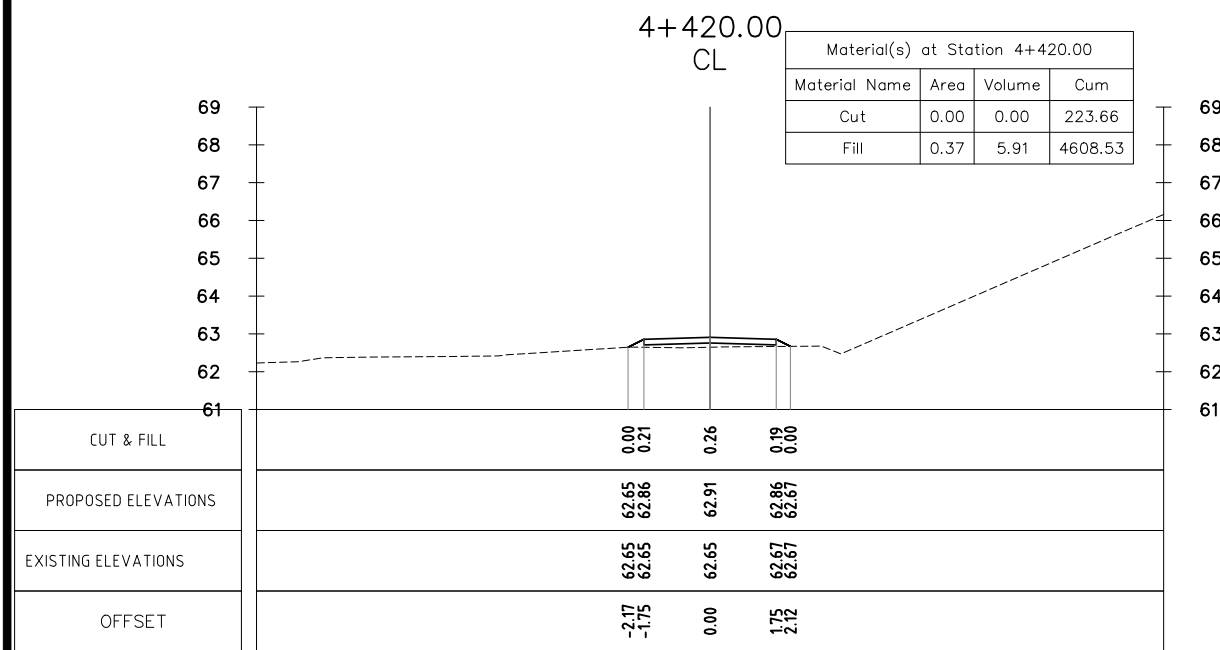
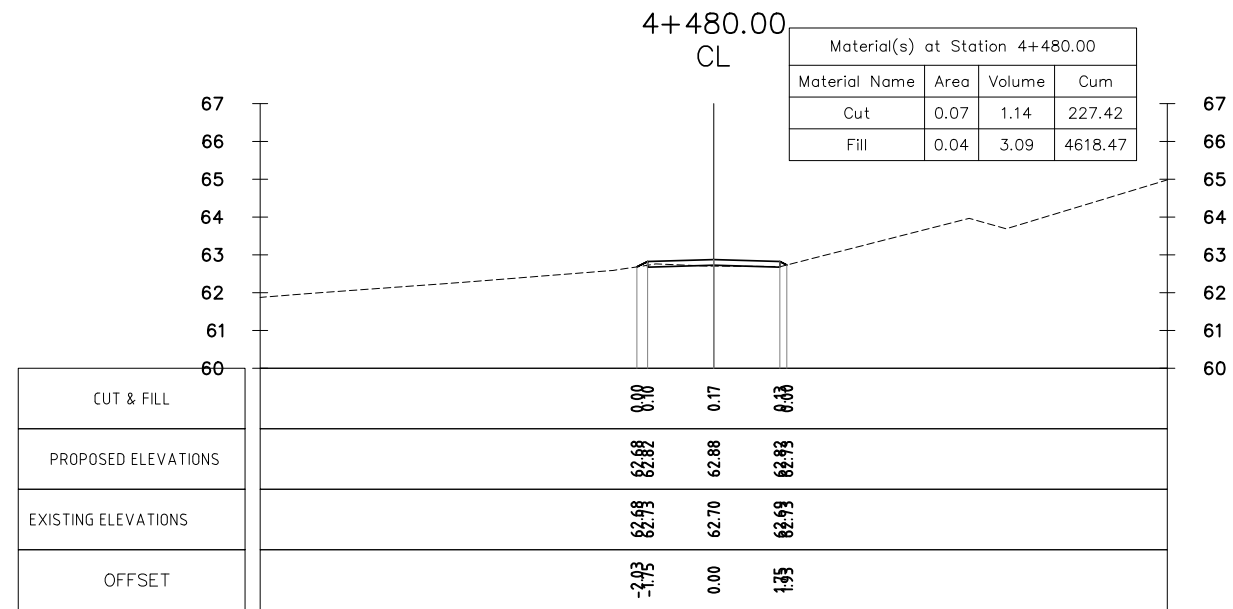
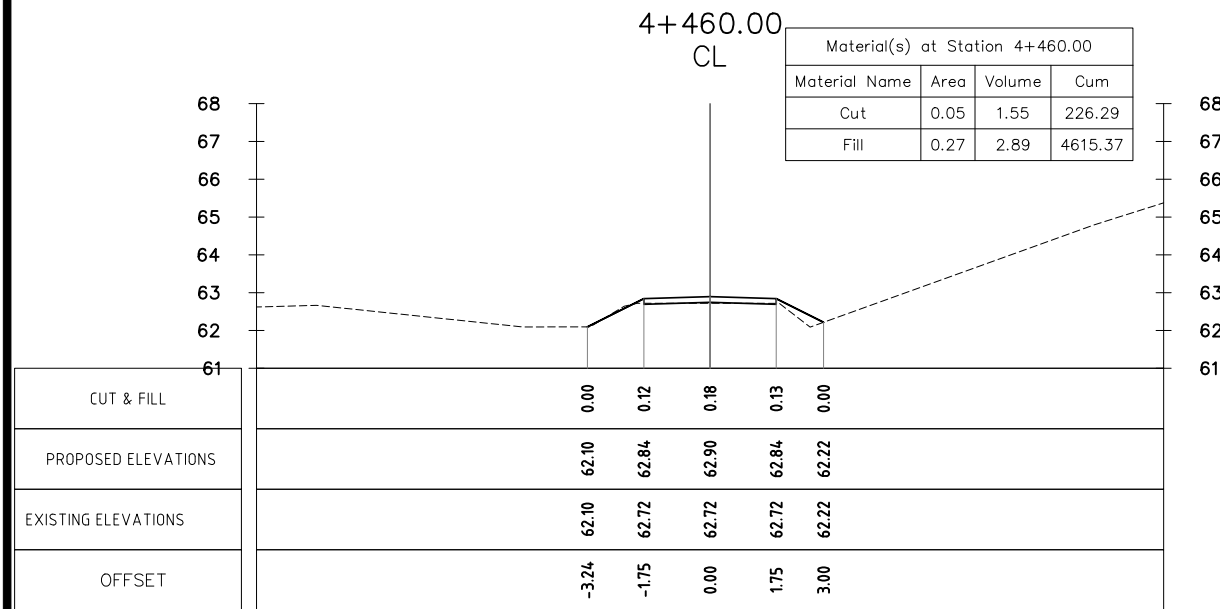
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 4+340-4+400  
 SCALE IN A3: 1/200  
 DATE :  
 DRAWING No. : LAO - NKS  
 C-172



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE:  
 DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

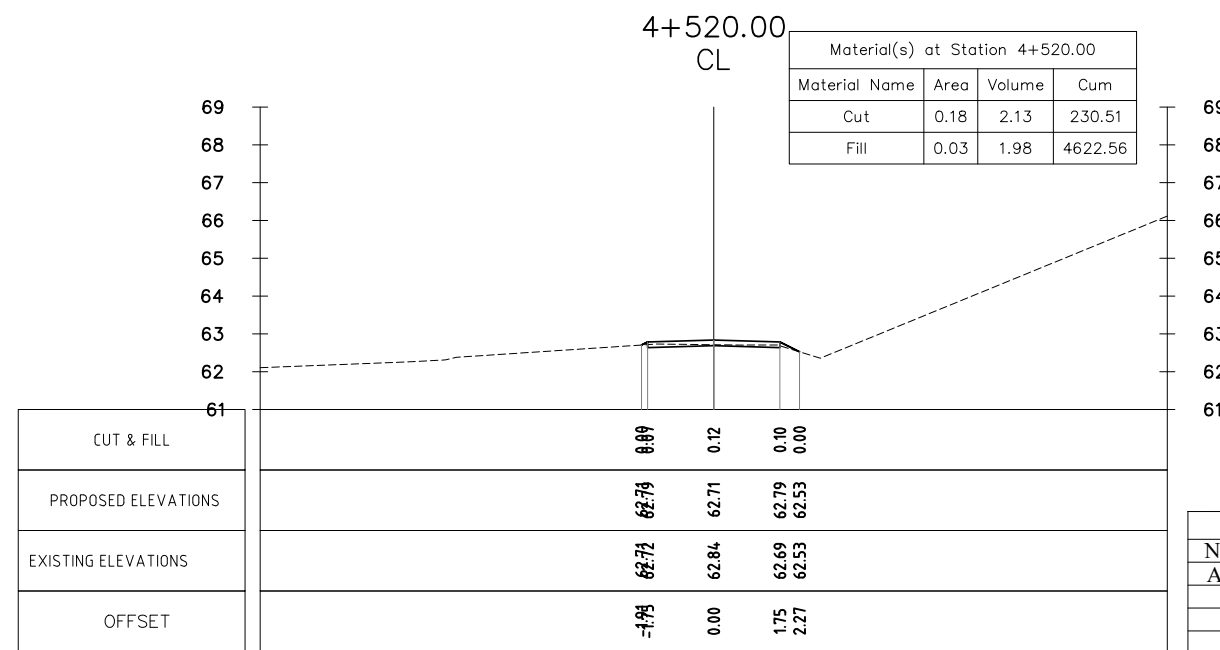
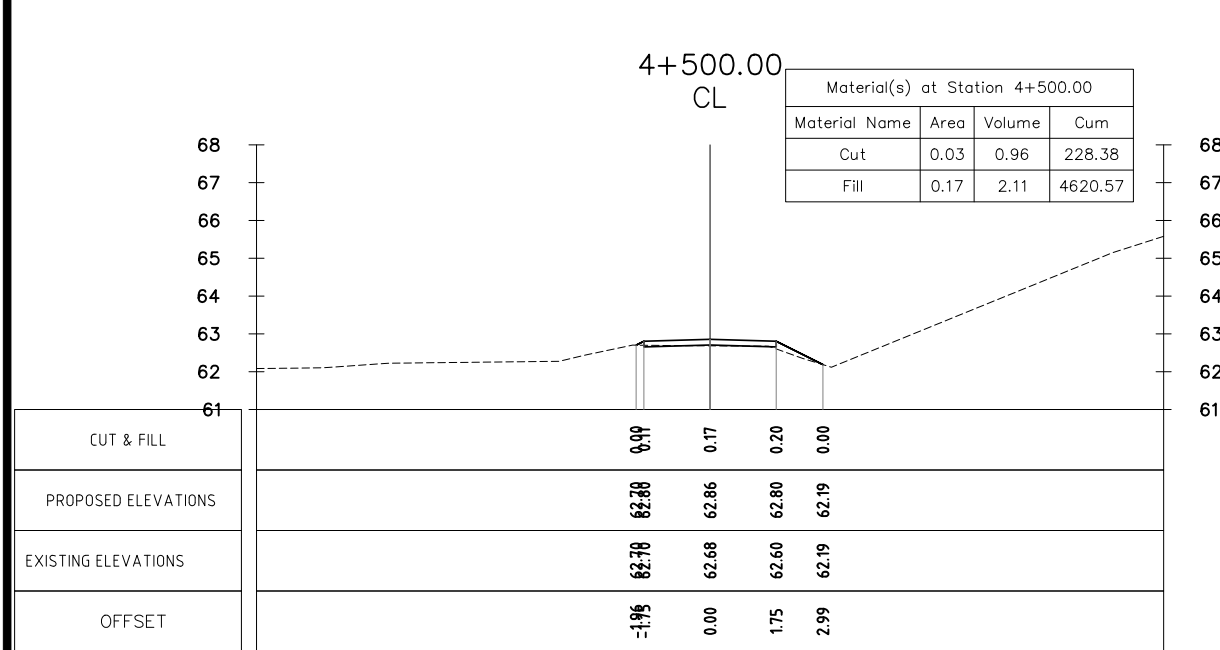
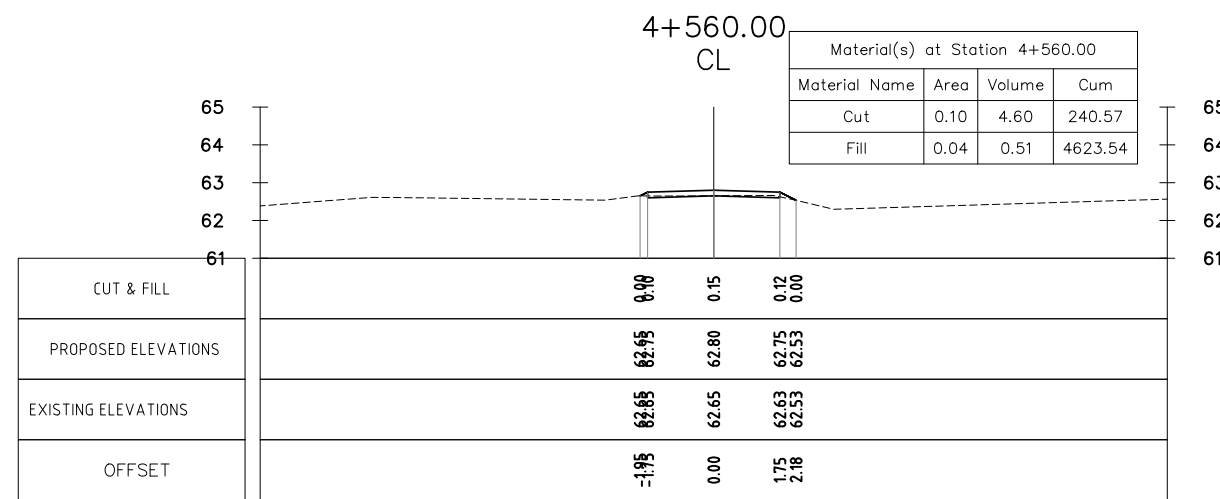
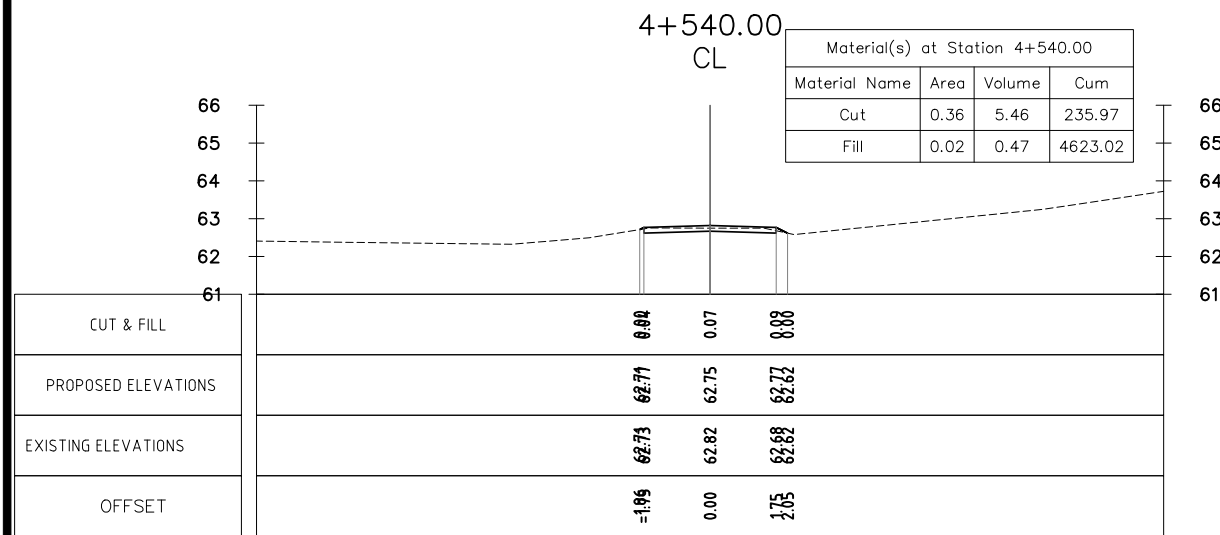
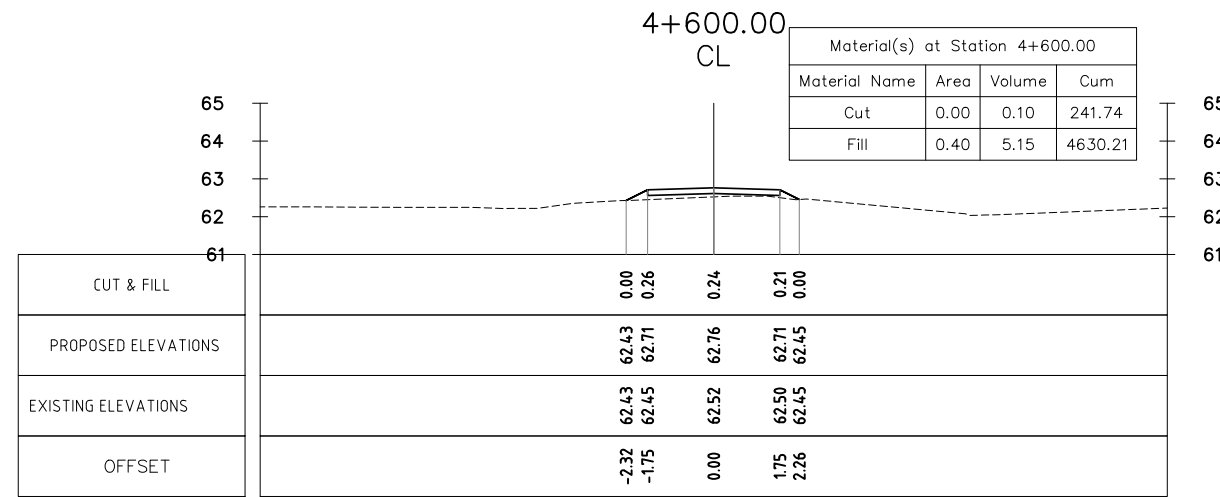
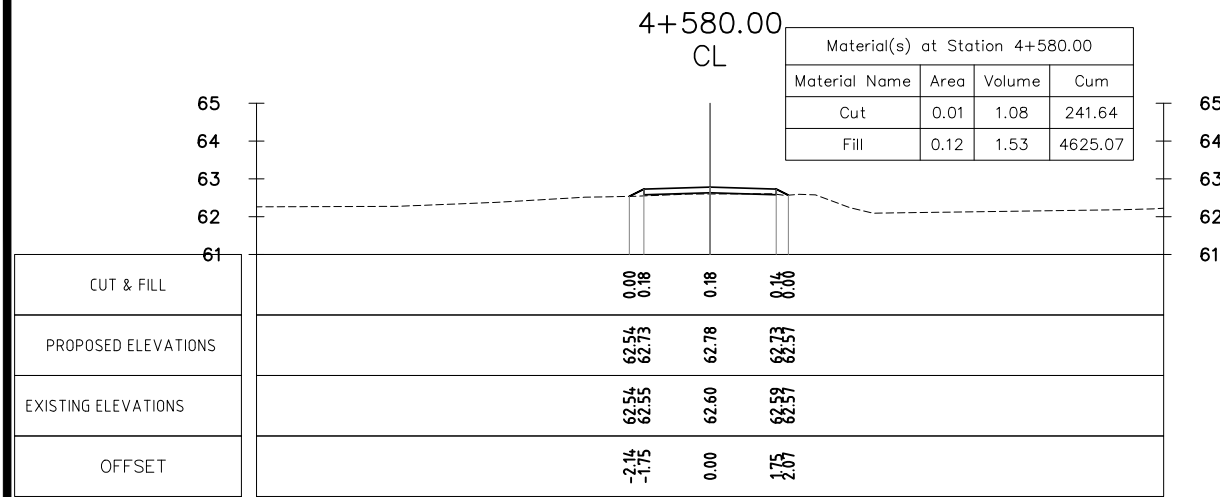
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 4+420-4+480

SCALE IN A3: 1/200      DATE :      DRAWING No. : LAO - NKS      C-173



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE:  
 DATE:

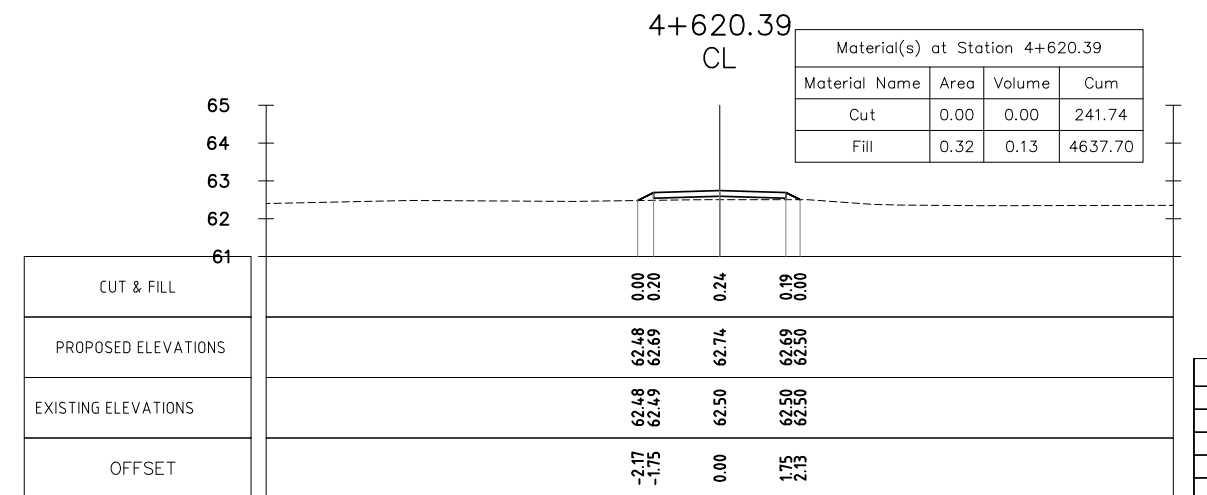
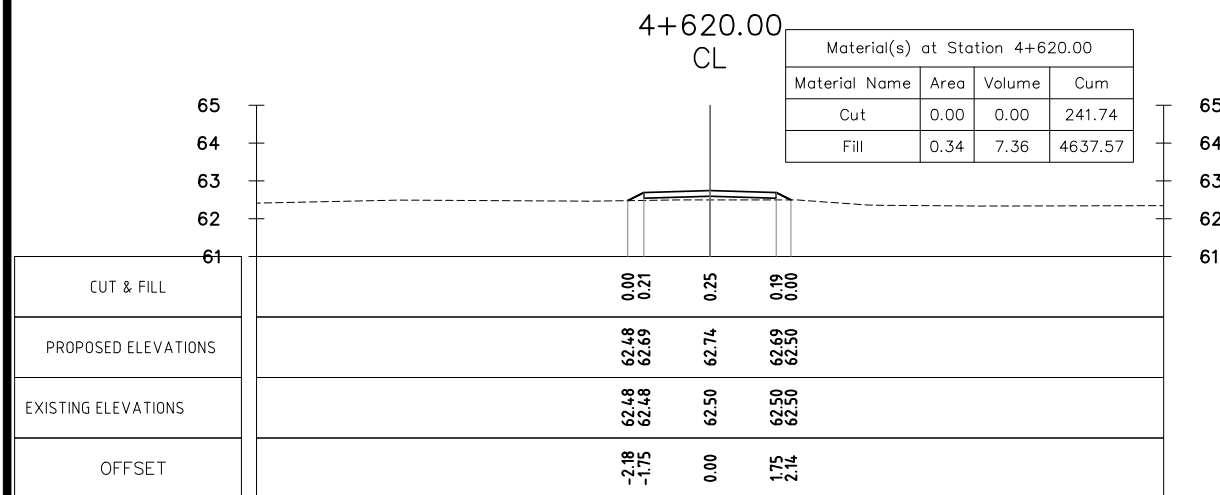
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 4+500-4+600  
 SCALE IN A3: 1/200  
 DATE:  
 DRAWING No.: LAO - NKS  
 C-174



REVISION:		
No.	Description	Date
A	Road Cross-Section	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_  
  
 TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR  
  
 LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM





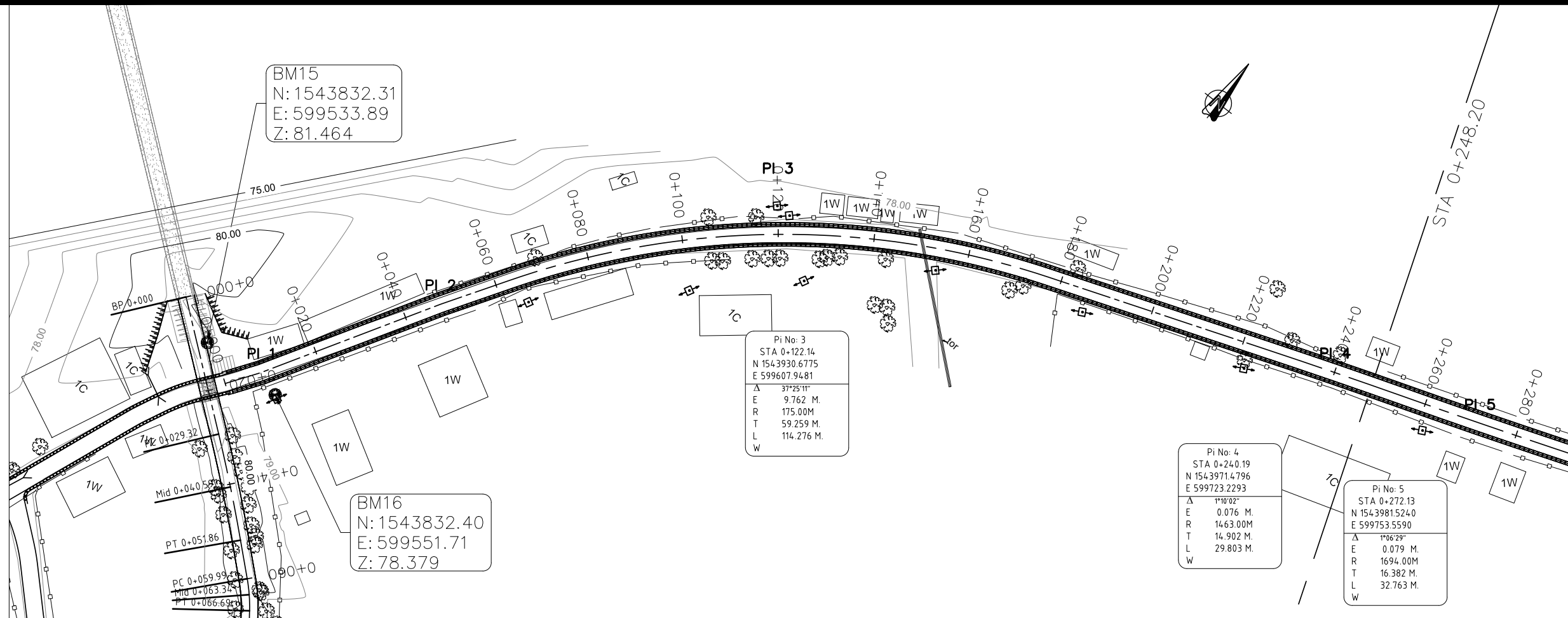


PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : MAIN ROAD -A2(IRL04) CROSS - SECTION Sta:km 4+620-4+620.39

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-175
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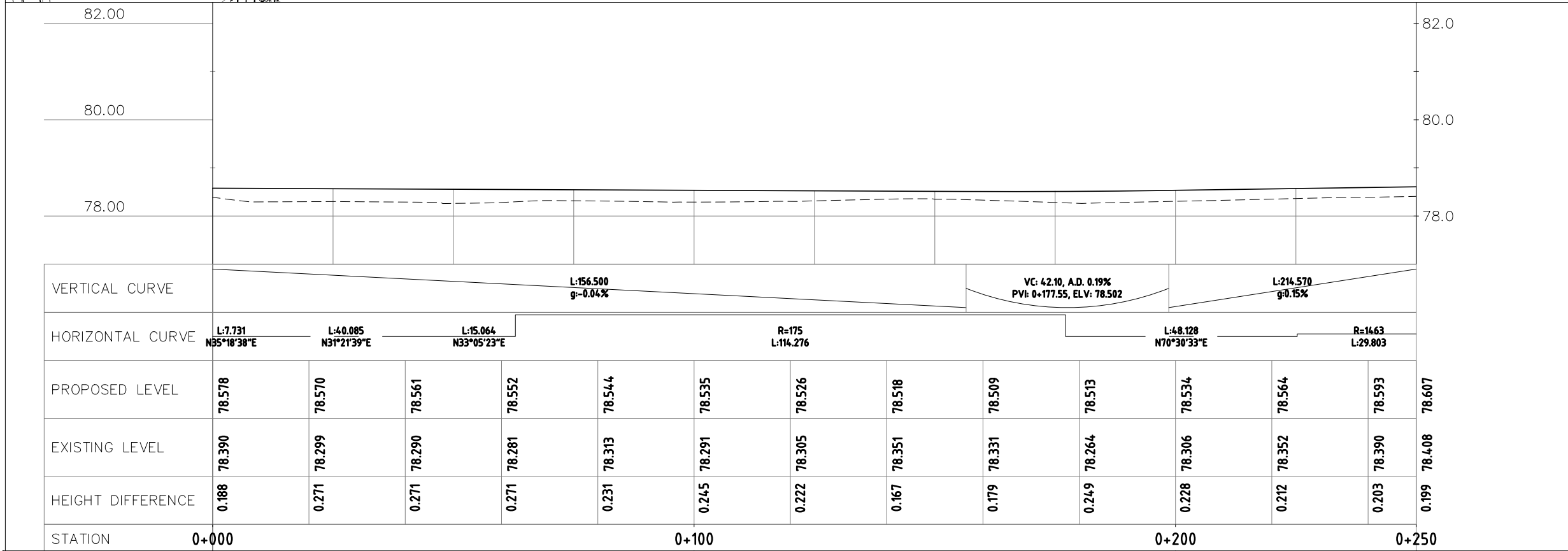
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



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**CADTIS**

**CADTIS-Consultant**

**LAO-Asean Engineering Consultants Sole CO.,LTD**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(1RL05) PLAN &PROFILE Sta:km 0+000-0+250

SCALE IN A3: H1/1000 V1/100

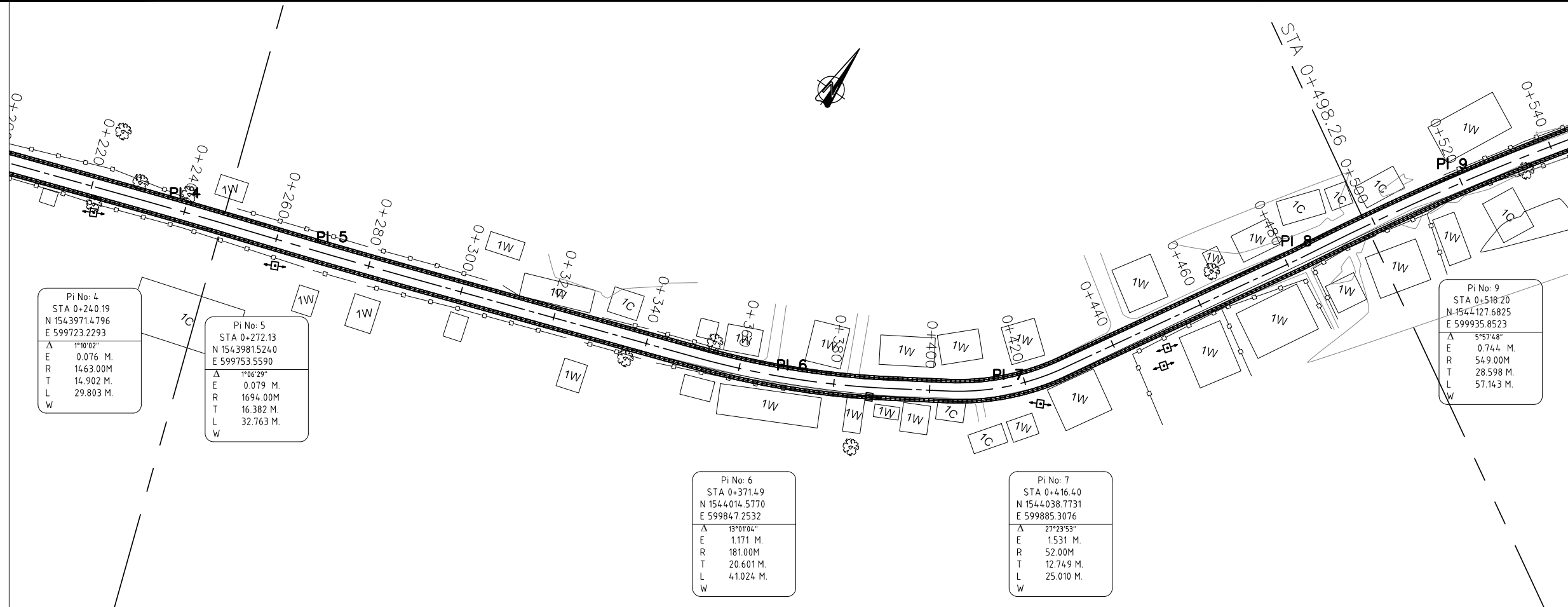
DATE : \_\_\_\_\_

DRAWING No. : LAO - NKS

C-176



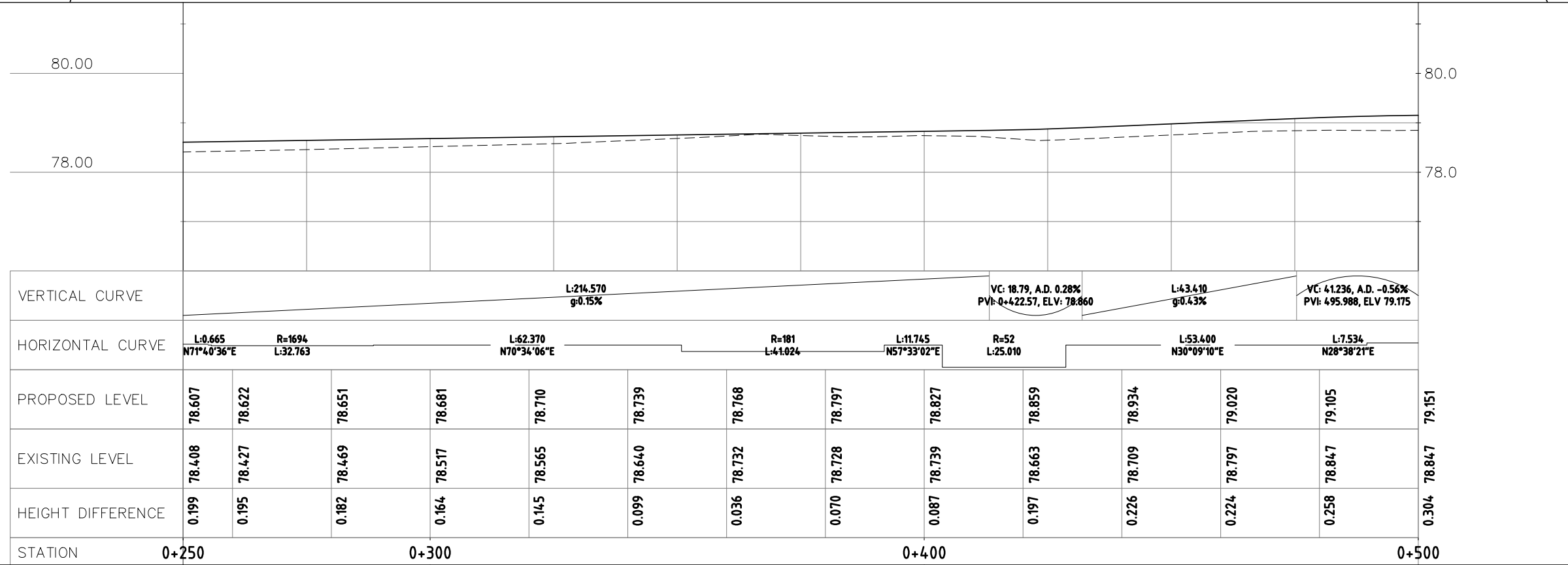
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



VERTICAL CURVE	L:214.570 g:0.15%														VC: 18.79, A.D. 0.28% PVI: 0+422.57, ELV: 78.860		L:43.410 g:0.43%		VC: 41.236, A.D. -0.56% PVI: 495.988, ELV 79.175	
HORIZONTAL CURVE	L:0.665 N71°40'36"E		R:1694 L:32.763		L:62.370 N70°34'06"E				R:181 L:41.024		L:11.745 N57°33'02"E		R:52 L:25.010		L:53.400 N30°09'10"E		L:7.534 N28°38'21"E			
PROPOSED LEVEL	78.607	78.622	78.651	78.681	78.710	78.739	78.768	78.797	78.827	78.859	78.934	79.020	79.105	79.151						
EXISTING LEVEL	78.408	78.427	78.469	78.517	78.565	78.640	78.732	78.728	78.739	78.663	78.709	78.797	78.847	78.847						
HEIGHT DIFFERENCE	0.199	0.195	0.182	0.164	0.145	0.099	0.036	0.070	0.087	0.197	0.226	0.224	0.258	0.304						
STATION	0+250		0+300				0+400				0+500									

REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM






PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(1RL05) PLAN &PROFILE Sta:km 0+250-0+500

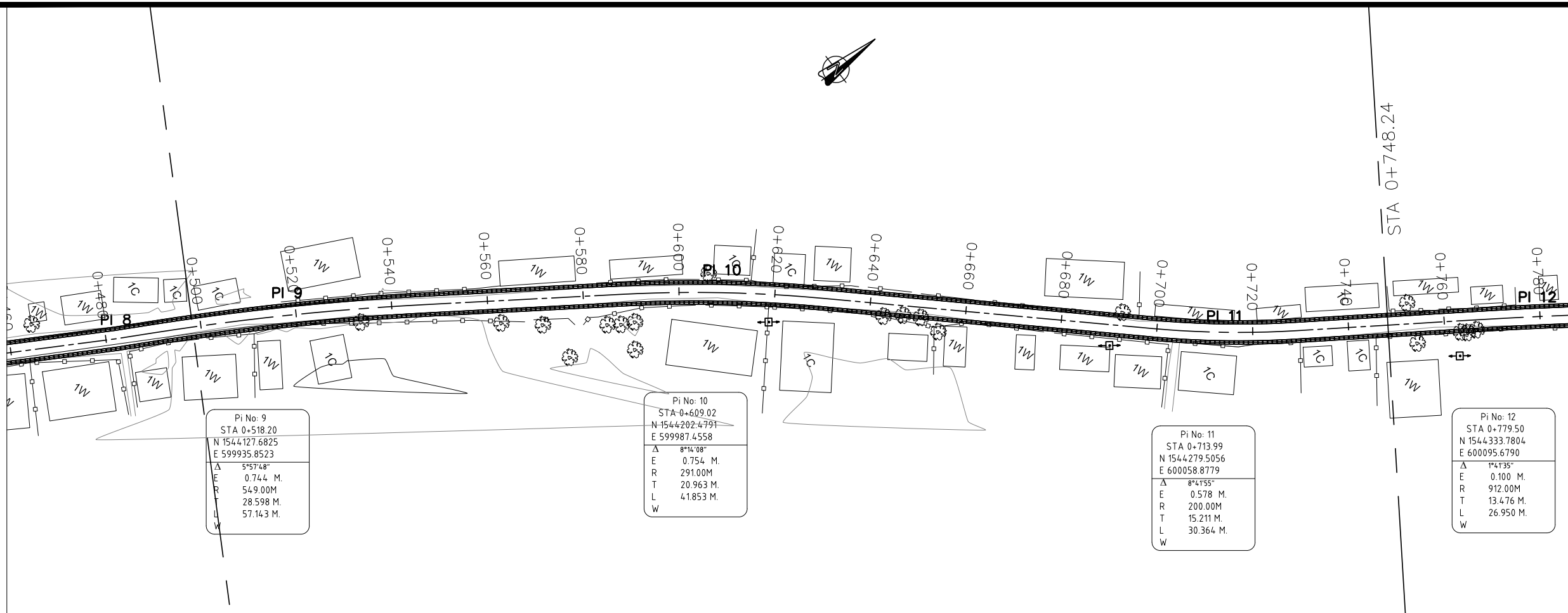
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 V1/100

DATE : \_\_\_\_\_

DRAWING No. :  
 LAO - NKS

C-177

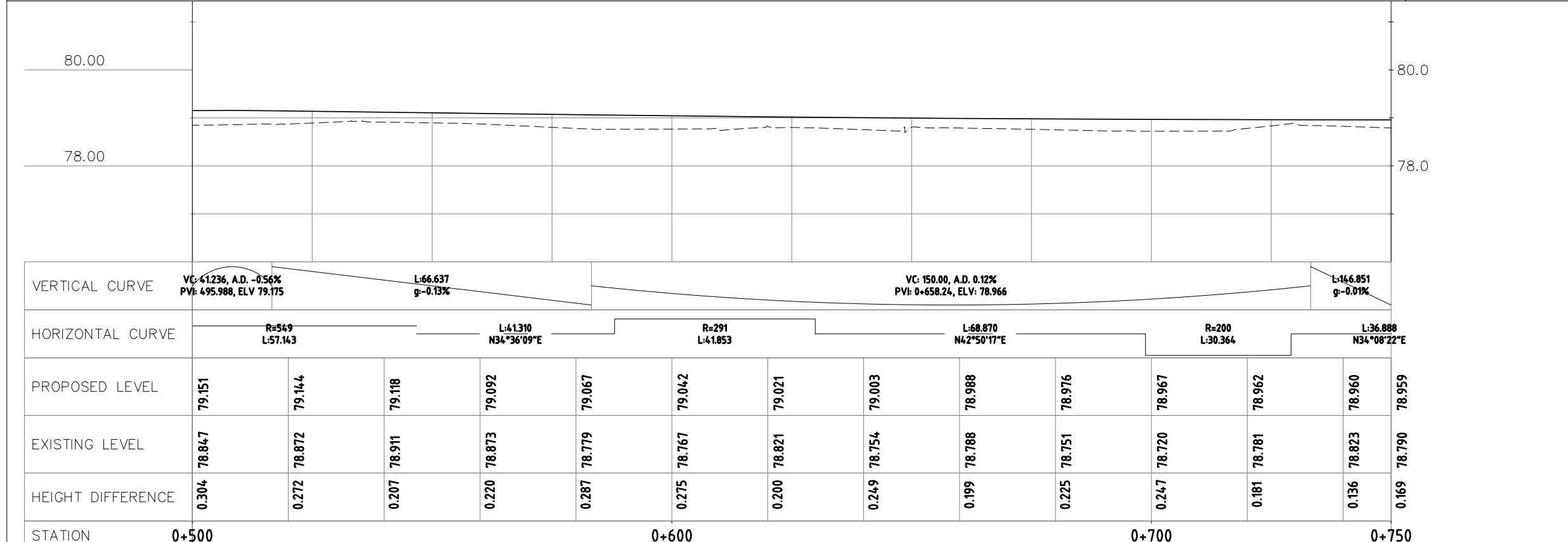
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

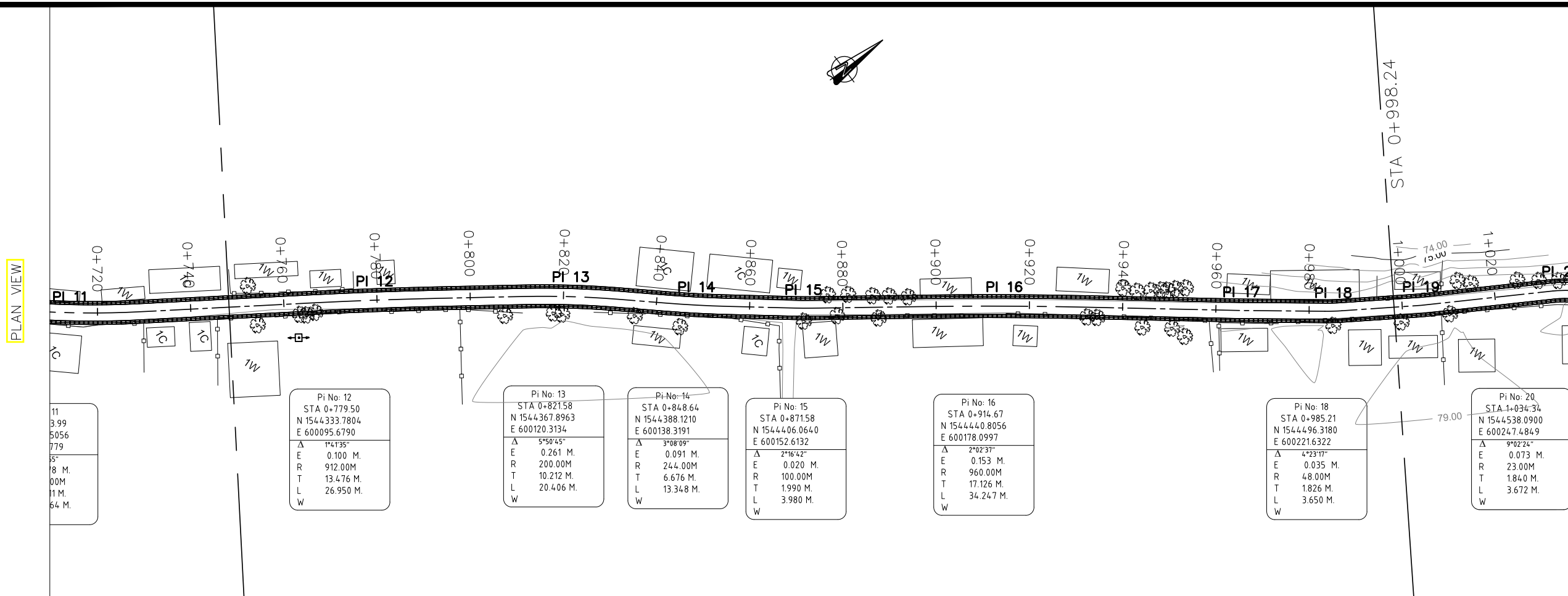
DRAWING TITLE: WALKING AND CYCLING PATH A2(1RL05) PLAN & PROFILE Sta:km 0+500-0+750

SCALE IN A3: H1/1000  
 V1/100

DATE: \_\_\_\_\_

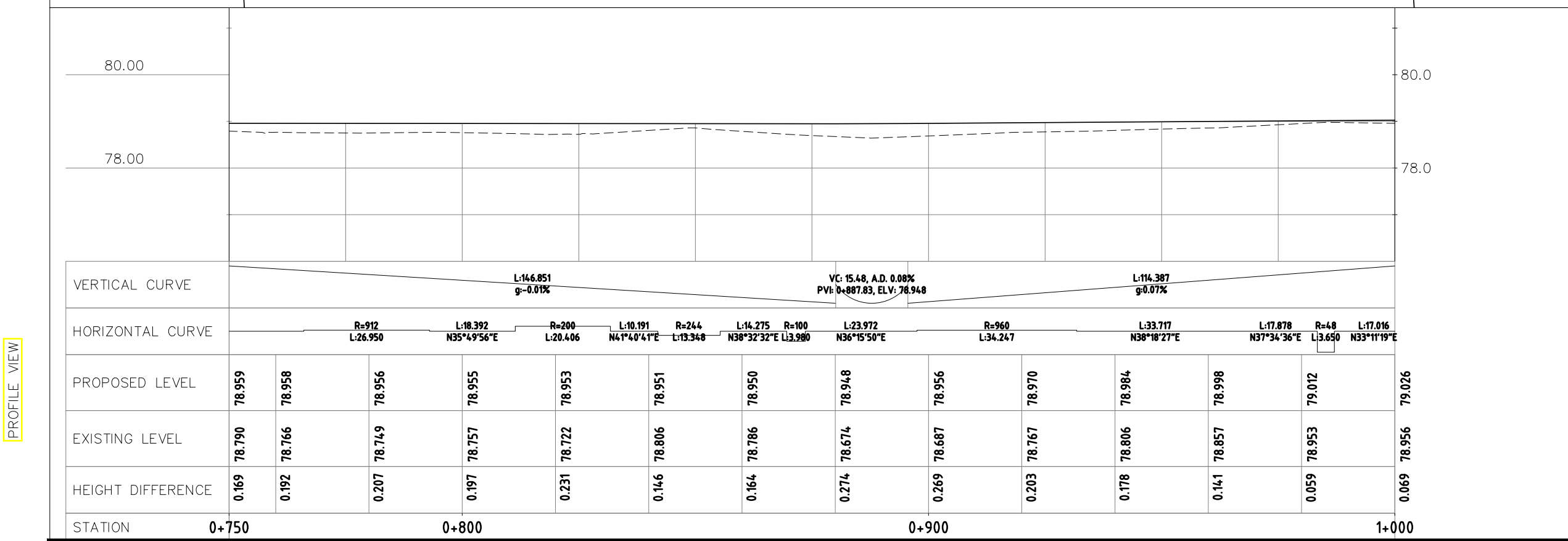
DRAWING No.: LAO - NKS

C-178



**LEGEND:**

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE



**REVISION:**

No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

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PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: WALKING AND CYCLING PATH A2(1RL05) PLAN & PROFILE Sta:km 0+750-1+000

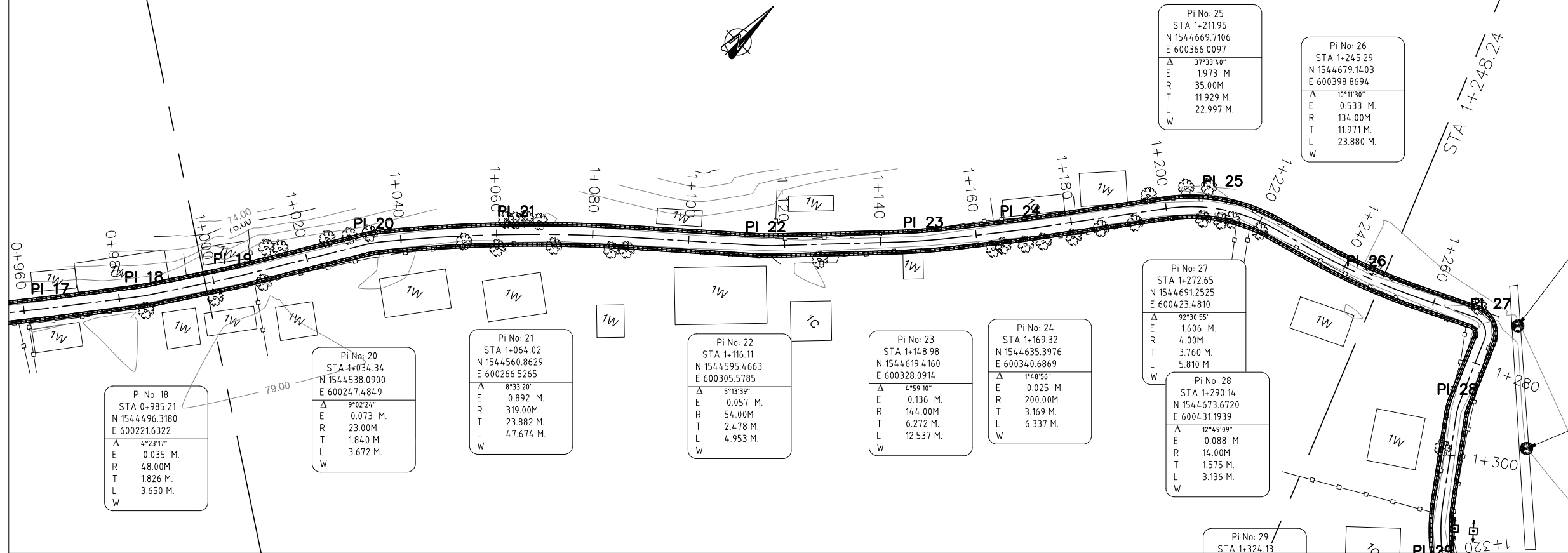
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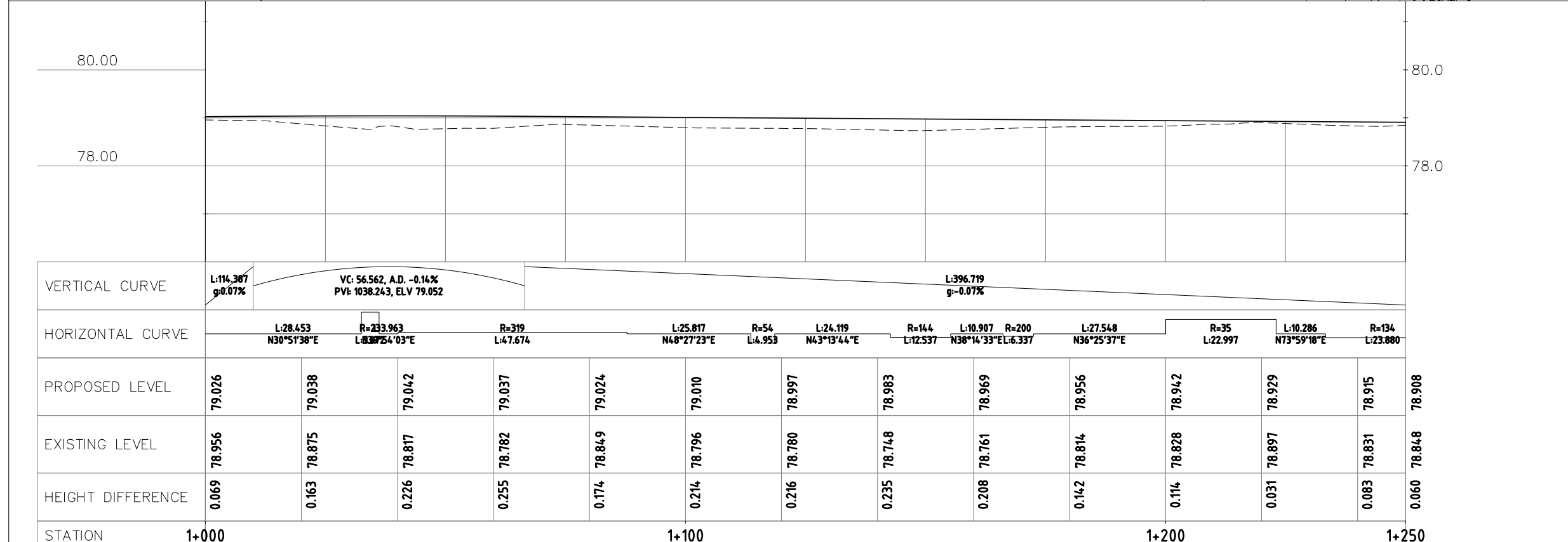
C-179

PLAN VIEW



- LEGEND:**
- NORTH DIRECTION
  - CONCRETE BENCH MARK
  - ELECTRIC POLE
  - PROPOSED FINISHED ROAD
  - EXISTING ROAD
  - LIGHT FOREST
  - DENSE FOREST
  - RICE FIELD
  - WOOD HOUSE (ONE STOREY)
  - CONCRETE-WOOD HOUSE (TWO STOREY)
  - CONCRETE HOUSE (TWO STOREY)
  - CONCRETE HOUSE (ONE STOREY)
  - PIPE CULVERT
  - BOX CULVERT
  - FENCE

PROFILE VIEW



**REVISION:**

No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

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**CADTIS**

**CADTIS-Consultant**

**LAO-Asean Engineering Consultants Sole CO.,LTD**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: WALKING AND CYCLING PATH A2(1RL05) PLAN & PROFILE Sta:km 1+000-1+250

SCALE IN A3: H1/1000  
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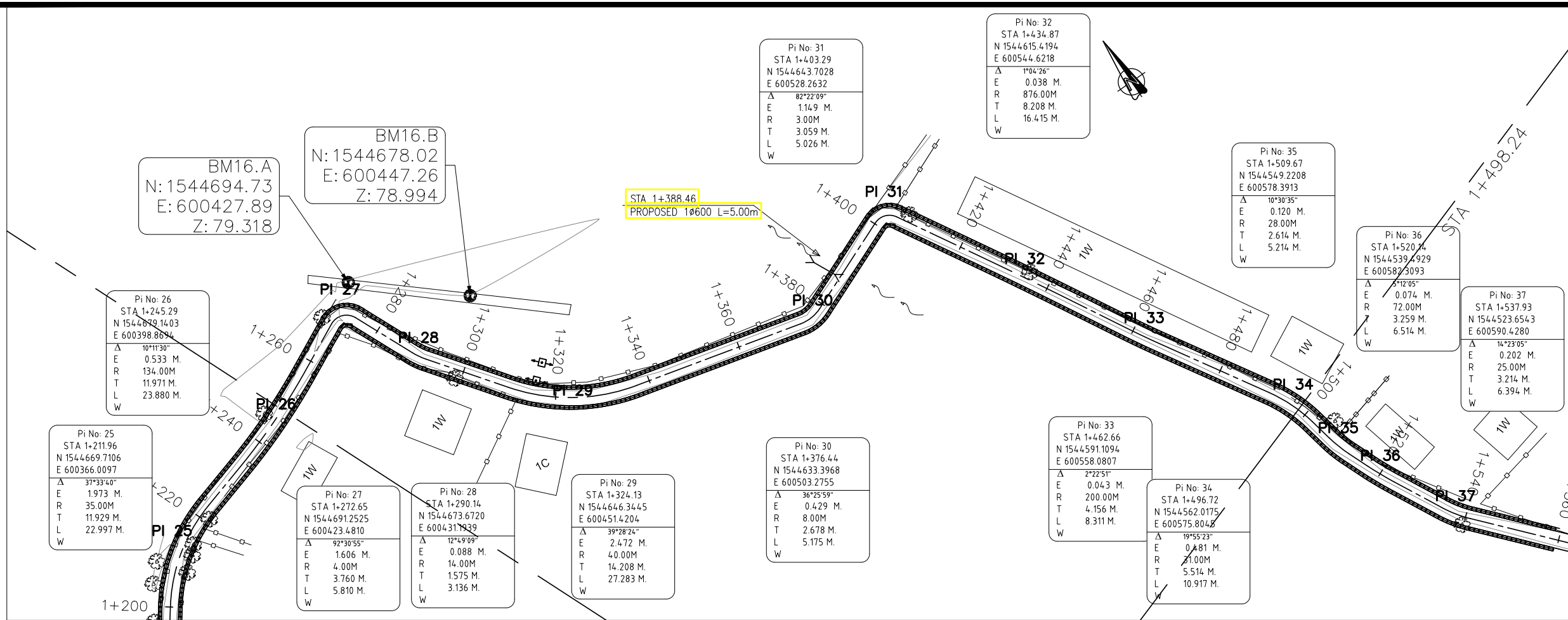
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LAO - NKS

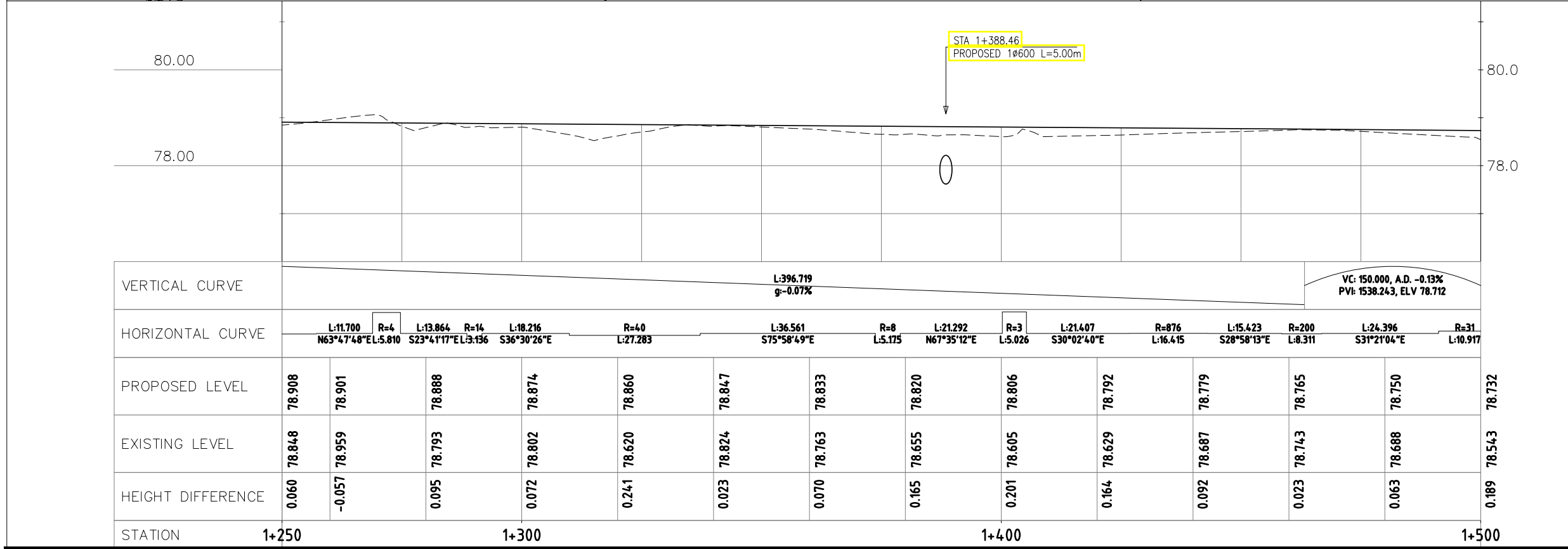
C-180

PLAN VIEW



- LEGEND:**
- NORTH DIRECTION
  - CONCRETE BENCH MARK
  - ELECTRIC POLE
  - PROPOSED FINISHED ROAD
  - EXISTING ROAD
  - LIGHT FOREST
  - DENSE FOREST
  - RICE FIELD
  - WOOD HOUSE (ONE STOREY)
  - CONCRETE-WOOD HOUSE (TWO STOREY)
  - CONCRETE HOUSE (TWO STOREY)
  - CONCRETE HOUSE (ONE STOREY)
  - PIPE CULVERT
  - BOX CULVERT
  - FENCE

PROFILE VIEW



**REVISION:**

No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
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 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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**Norconsult**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: WALKING AND CYCLING PATH A2(1RL05) PLAN & PROFILE ST1+250-1+500

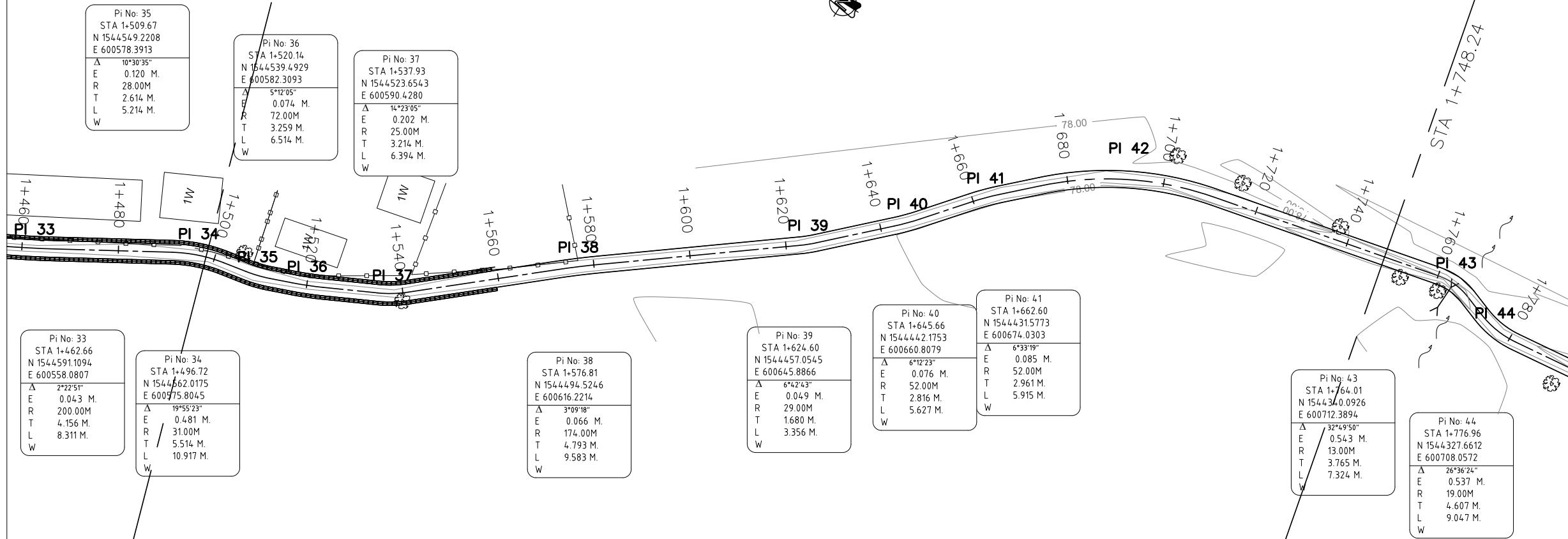
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DRAWING No.: LAO - NKS

C-181

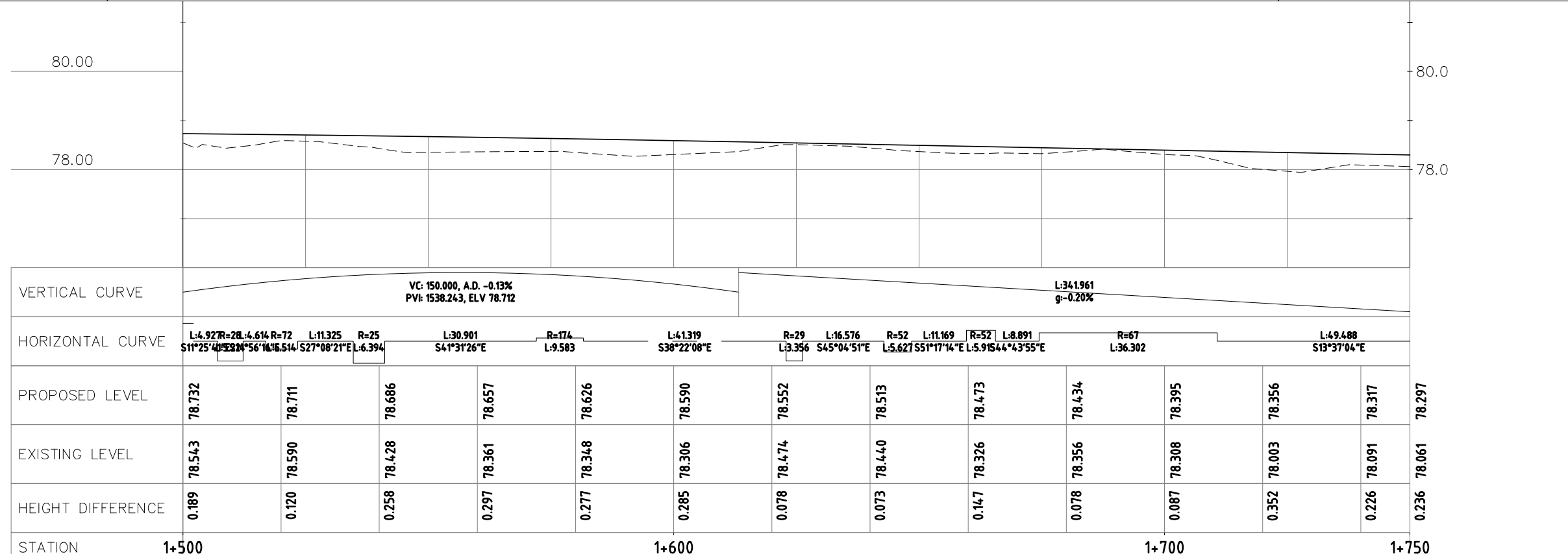
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
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 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: WALKING AND CYCLING PATH A2(1RL05) PLAN & PROFILE Sta:km 1+500-1+750

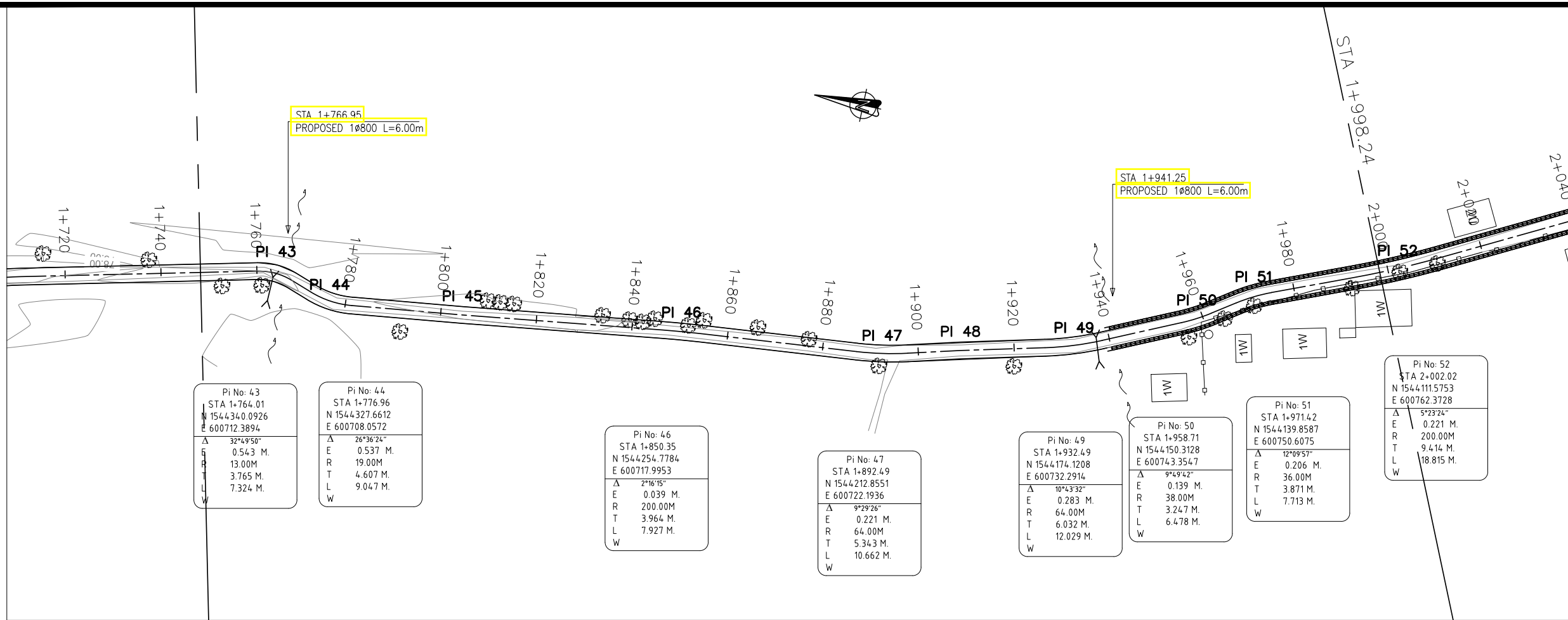
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DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

C-182

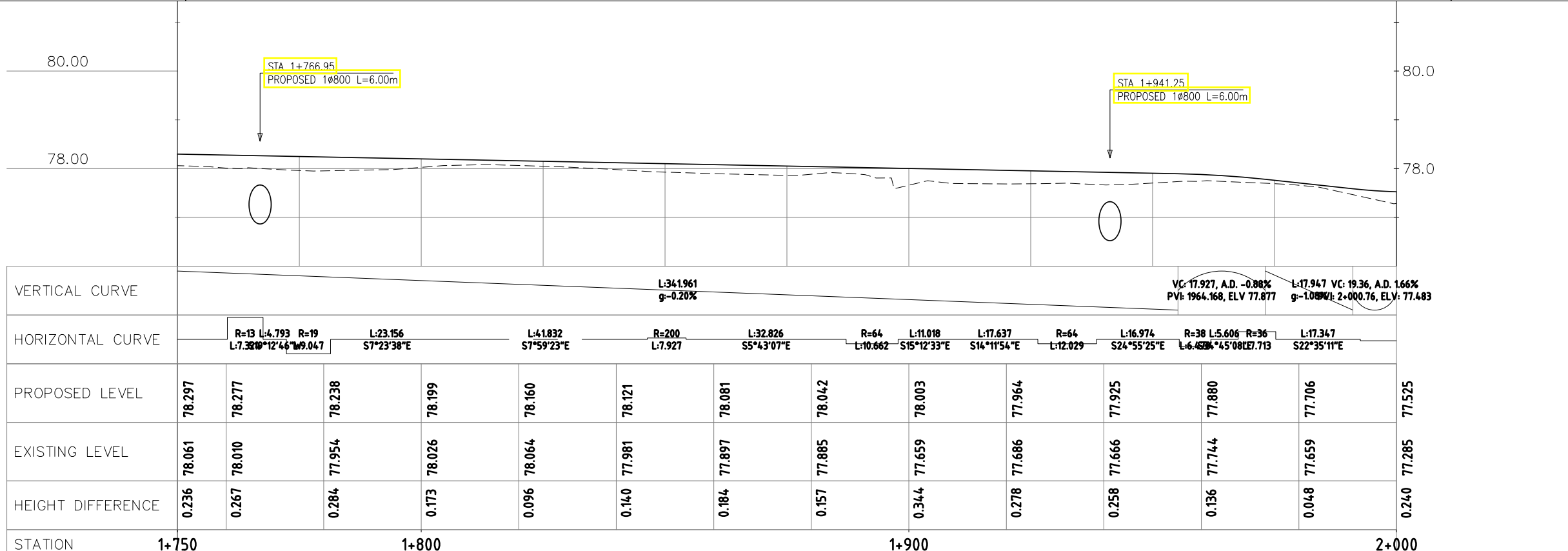
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
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TITLE: \_\_\_\_\_  
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ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
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PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: WALKING AND CYCLING PATH A2(1RL05) PLAN & PROFILE Sta:km 1+750-2+000

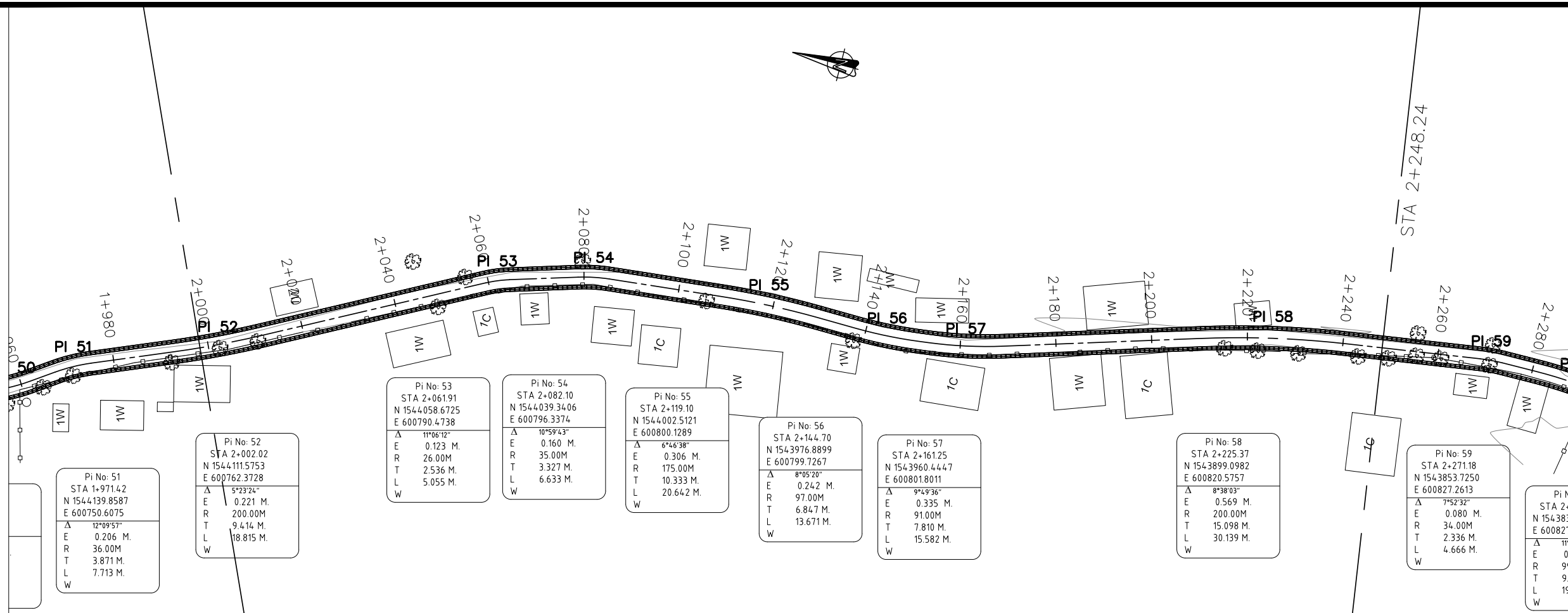
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DRAWING No.: LAO - NKS

C-183

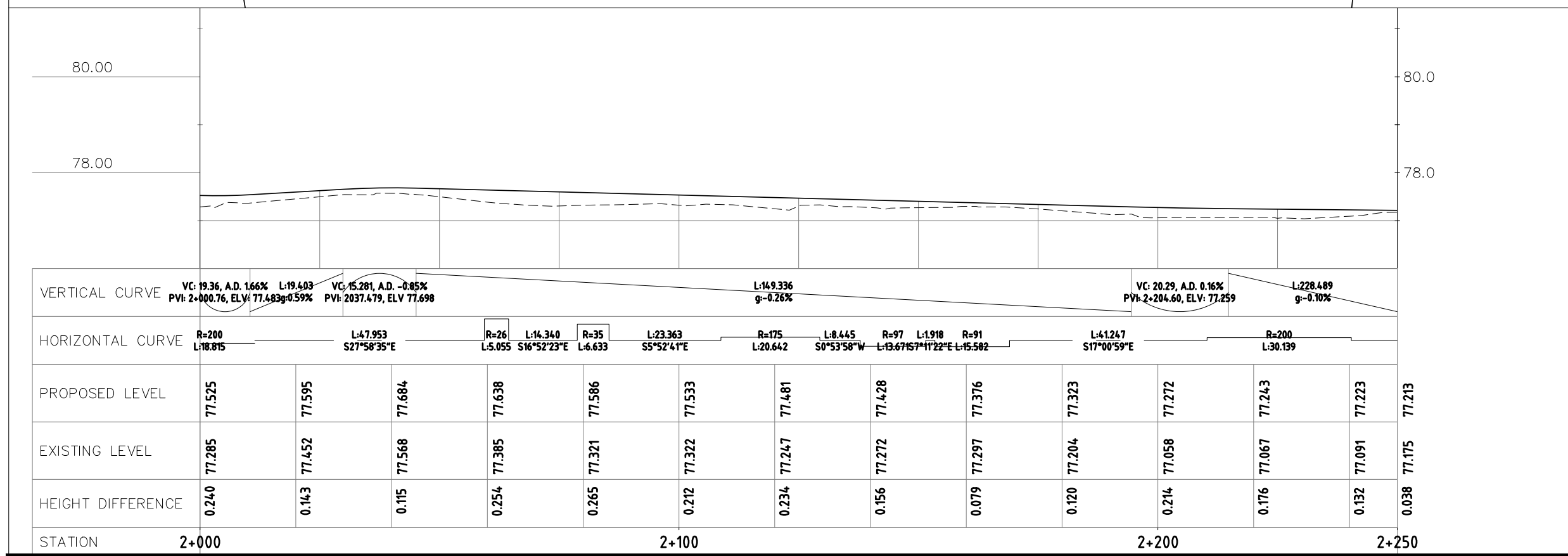
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

**CADTIS**

**CADTIS-Consultant**

**LAO-Asian Engineering Consultants Sole CO.,LTD**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: WALKING AND CYCLING PATH A2(1RL05) PLAN &PROFILE Sta:km 2+000-2+250

SCALE IN A3: H1/1000  
 V1/100

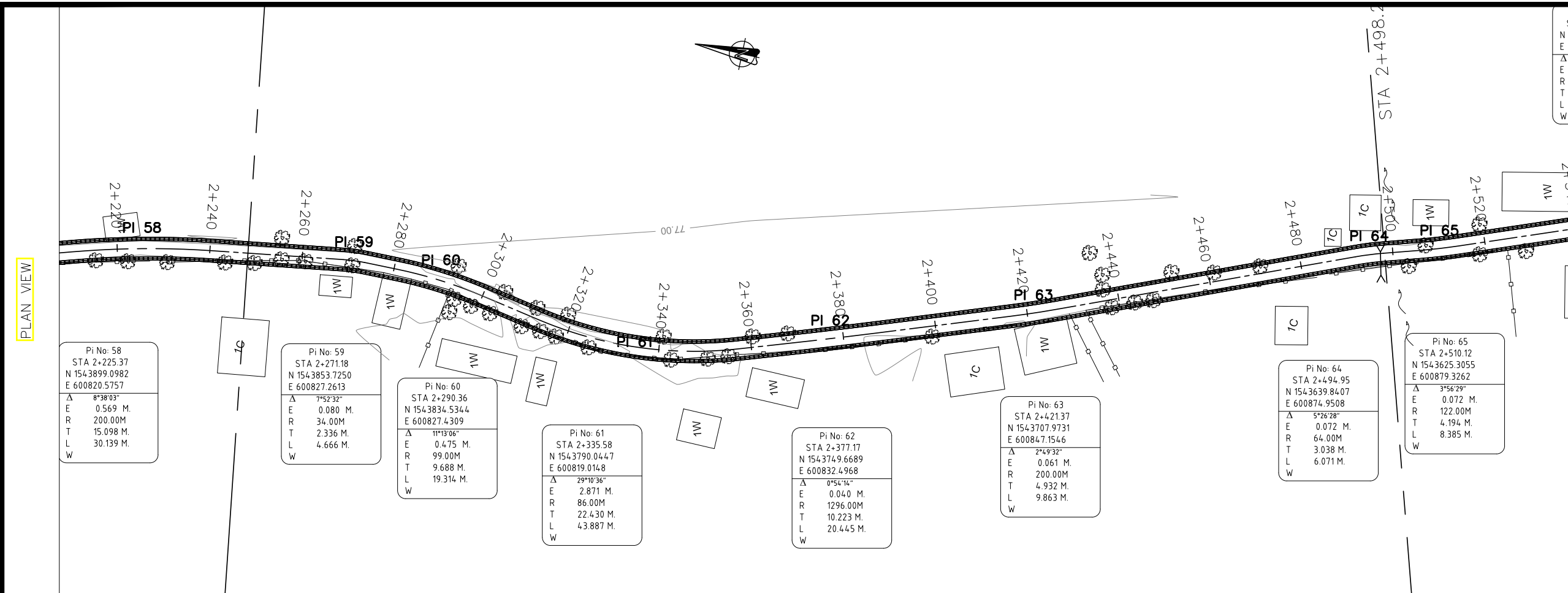
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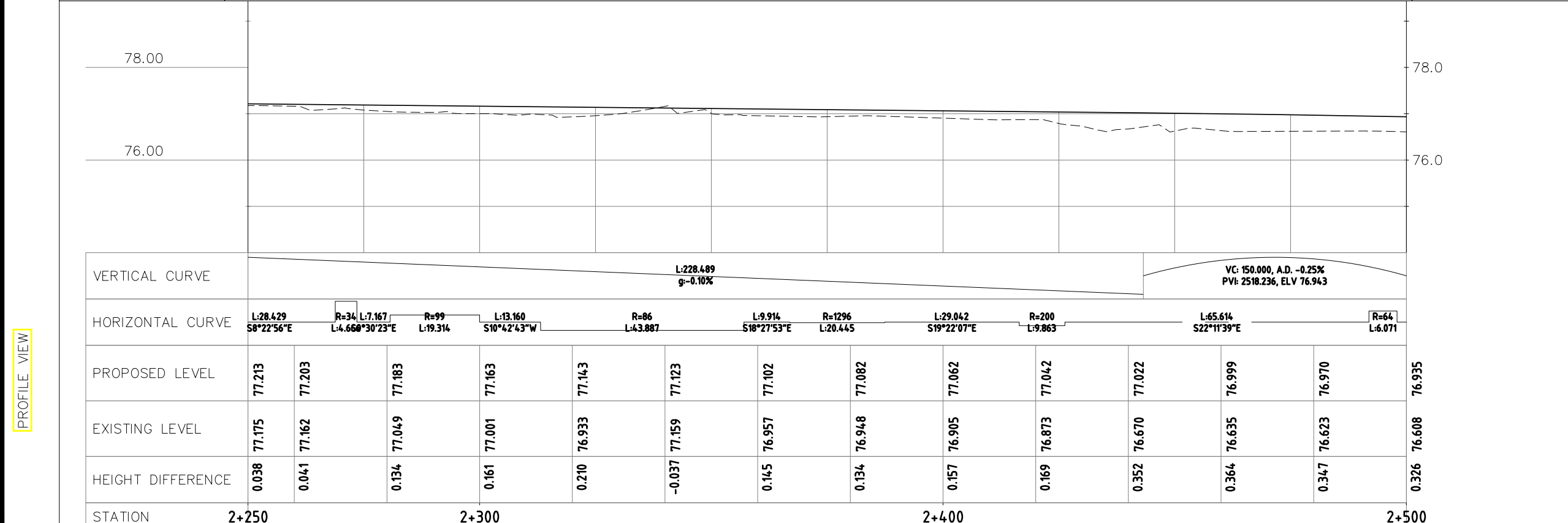
LAO - NKS

C-184





- LEGEND:**
- NORTH DIRECTION
  - CONCRETE BENCH MARK
  - ELECTRIC POLE
  - PROPOSED FINISHED ROAD
  - EXISTING ROAD
  - LIGHT FOREST
  - DENSE FOREST
  - RICE FIELD
  - WOOD HOUSE (ONE STOREY)
  - CONCRETE-WOOD HOUSE (TWO STOREY)
  - CONCRETE HOUSE (TWO STOREY)
  - CONCRETE HOUSE (ONE STOREY)
  - PIPE CULVERT
  - BOX CULVERT
  - FENCE



**REVISION:**

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A	Plan and Profile	3-10-18

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ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
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PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: WALKING AND CYCLING PATH A2(1RL05) PLAN & PROFILE Sta:km 2+250-2+500

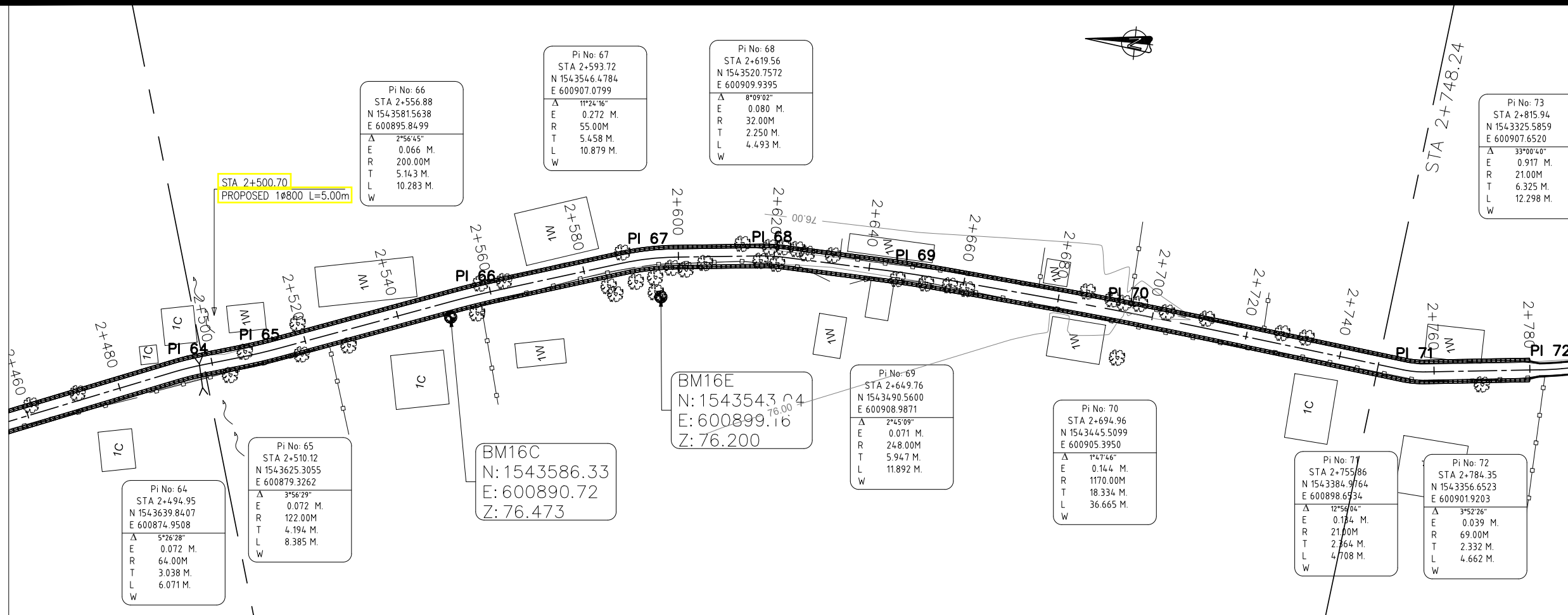
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 V1/100

DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

C-185

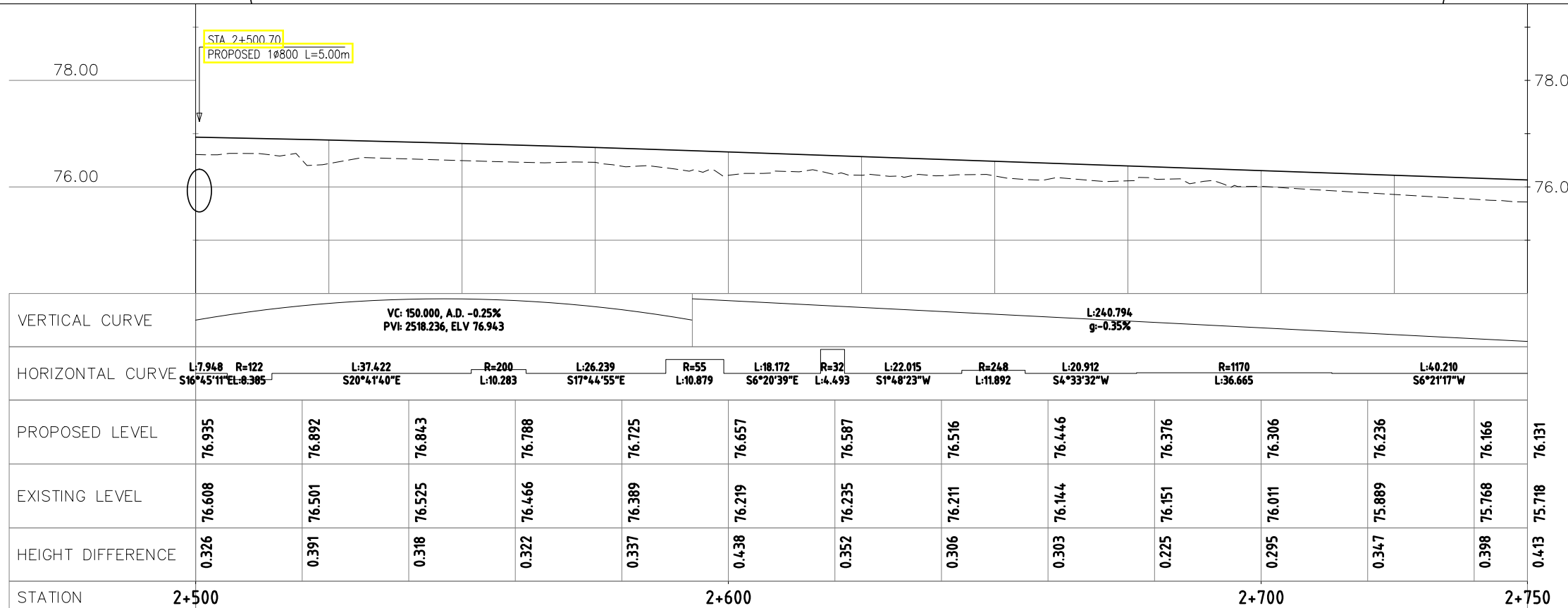
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

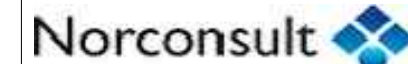
PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
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 Reviewed:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

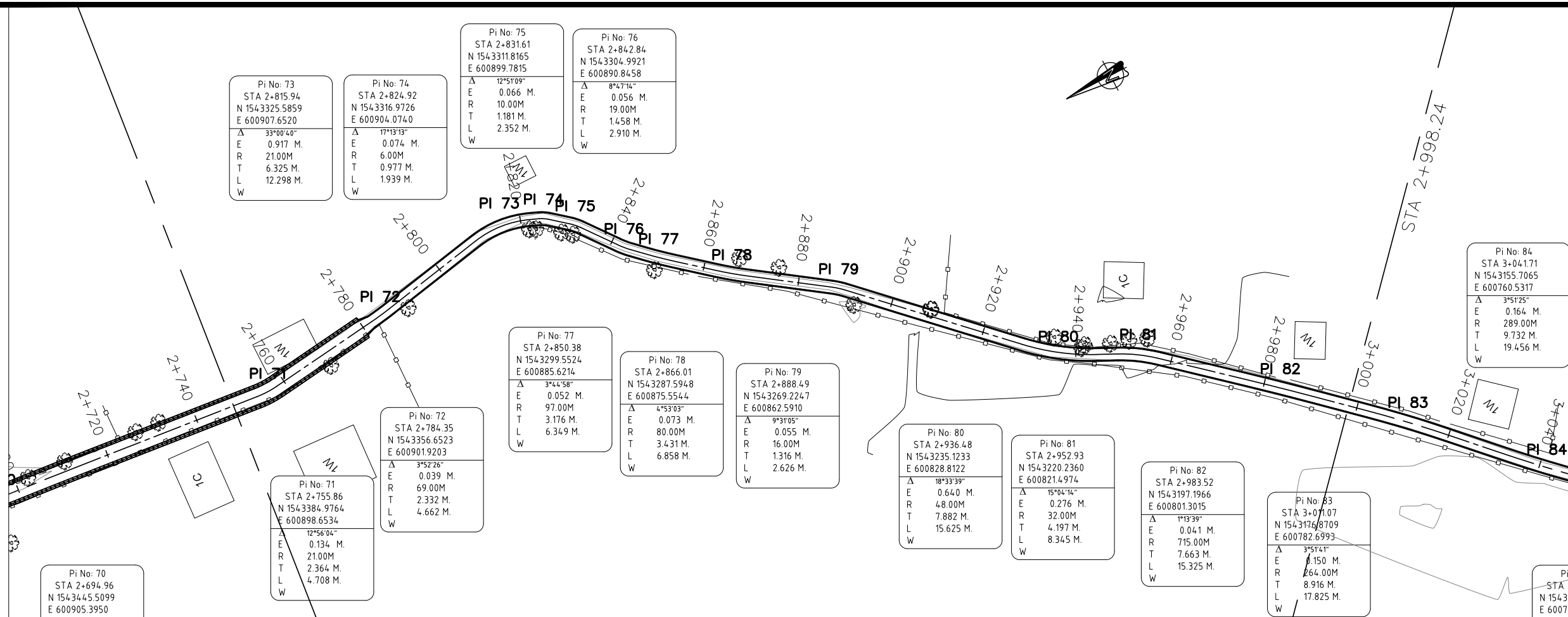


LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 DRAWING TITLE: WALKING AND CYCLING PATH A2(1RL05) PLAN & PROFILE Sta:km 2+500-2+750  
 SCALE IN A3: H1/1000 V1/100  
 DATE: \_\_\_\_\_  
 DRAWING No.: LAO - NKS  
 C-186

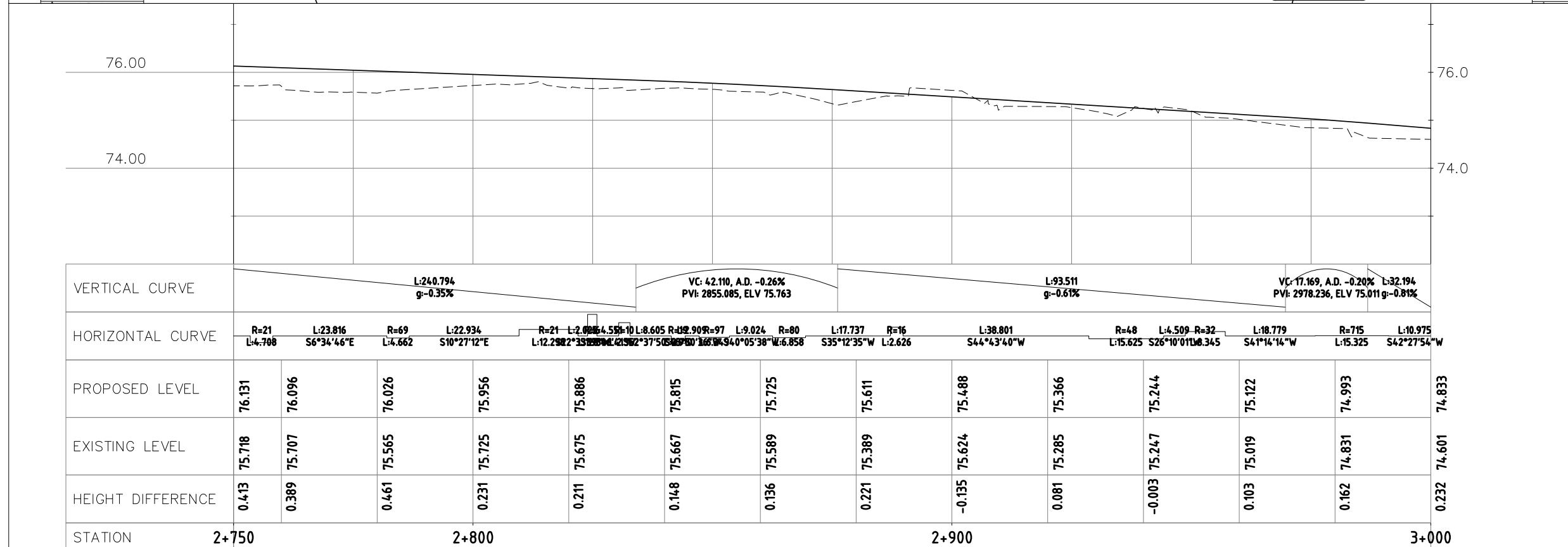
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:

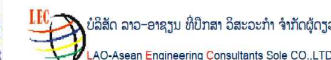
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
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TITLE:  
 DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: WALKING AND CYCLING PATH A2(IRL05) PLAN & PROFILE Sta:km 2+750-3+000

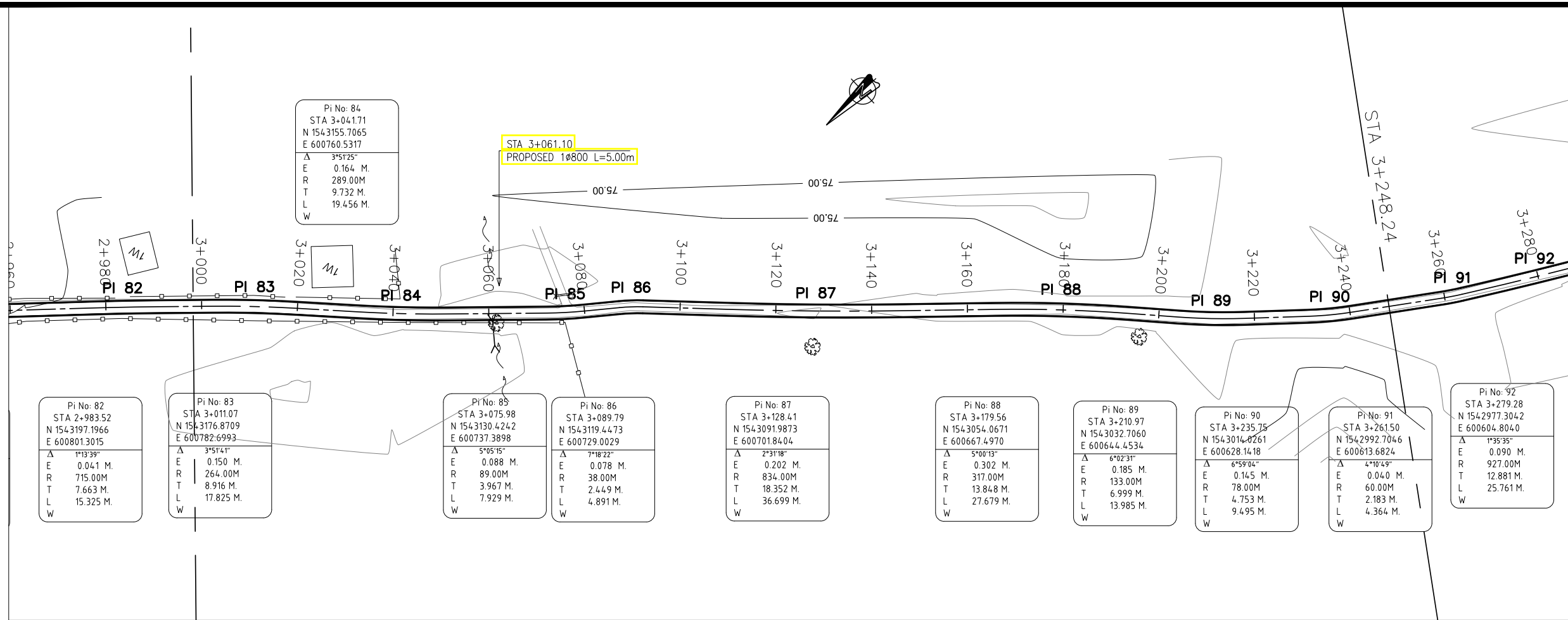
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DRAWING No.: LAO - NKS

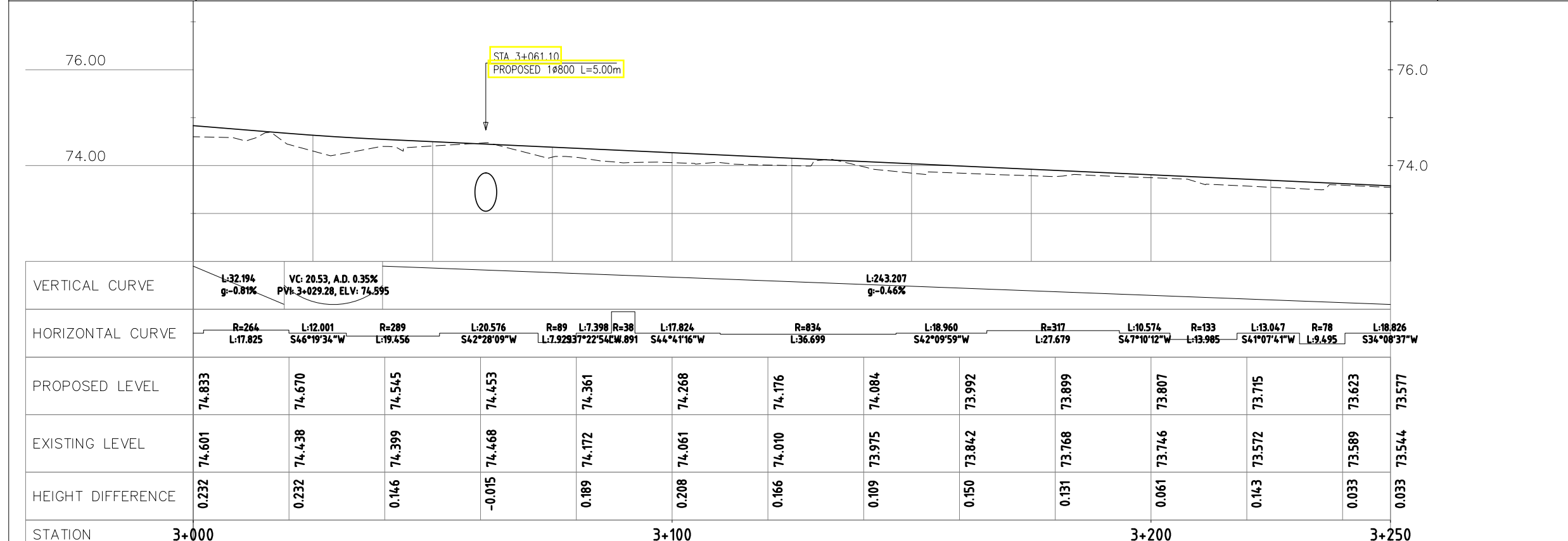
C-187

PLAN VIEW



- LEGEND:**
- NORTH DIRECTION
  - CONCRETE BENCH MARK
  - ELECTRIC POLE
  - PROPOSED FINISHED ROAD
  - EXISTING ROAD
  - LIGHT FOREST
  - DENSE FOREST
  - RICE FIELD
  - WOOD HOUSE (ONE STOREY)
  - CONCRETE-WOOD HOUSE (TWO STOREY)
  - CONCRETE HOUSE (TWO STOREY)
  - CONCRETE HOUSE (ONE STOREY)
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  - BOX CULVERT
  - FENCE

PROFILE VIEW



**REVISION:**

No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
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 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: WALKING AND CYCLING PATH A2(IRL05) PLAN & PROFILE Sta:km 3+000-3+250

SCALE IN A3: H1/1000  
 V1/100

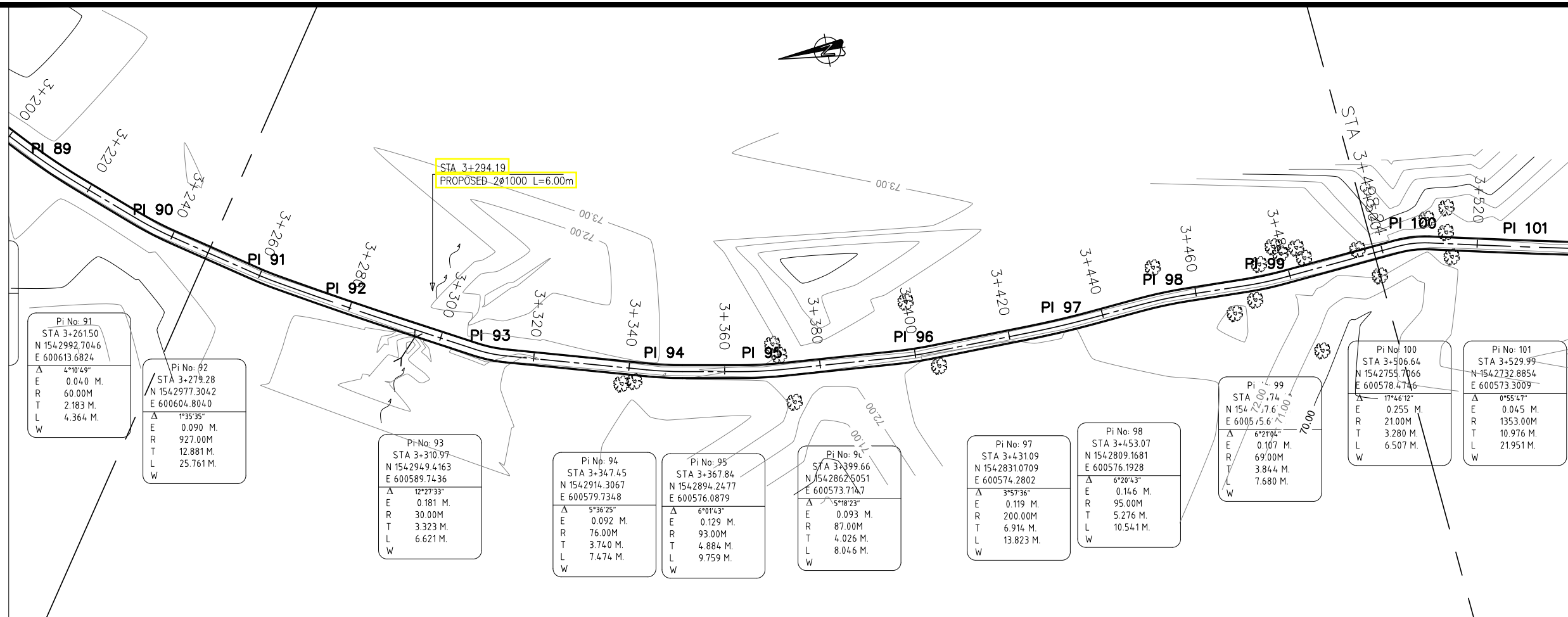
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LAO - NKS

C-188

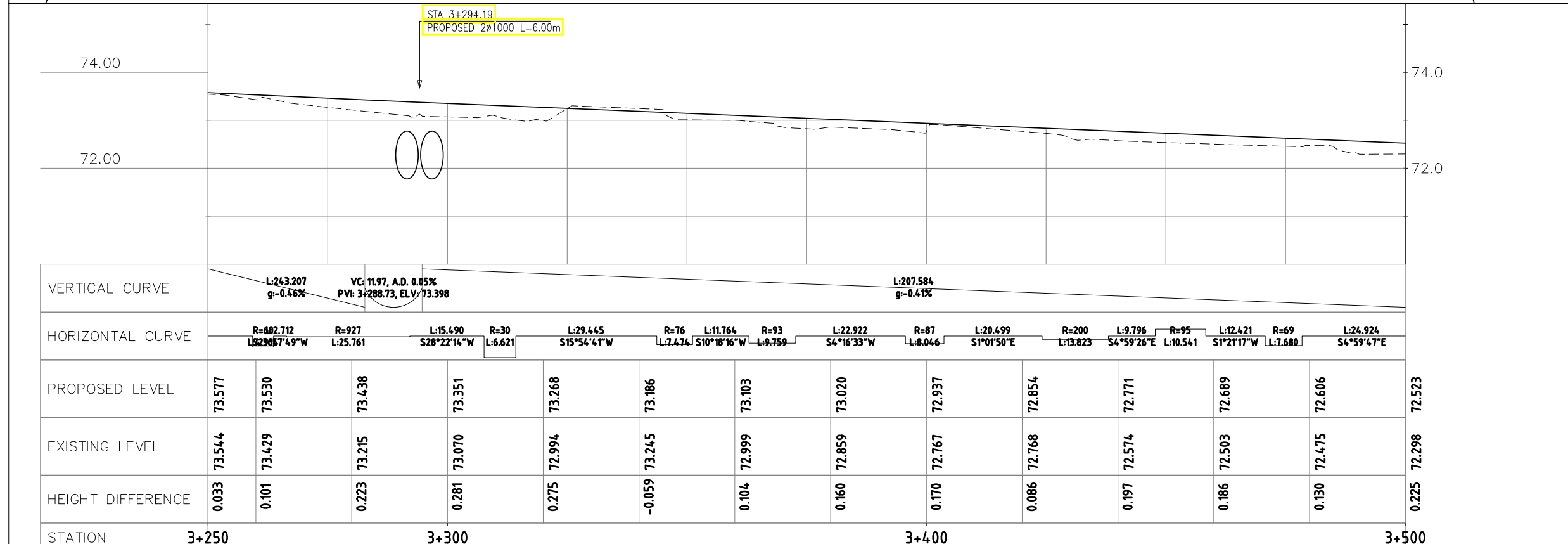
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
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PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

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PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

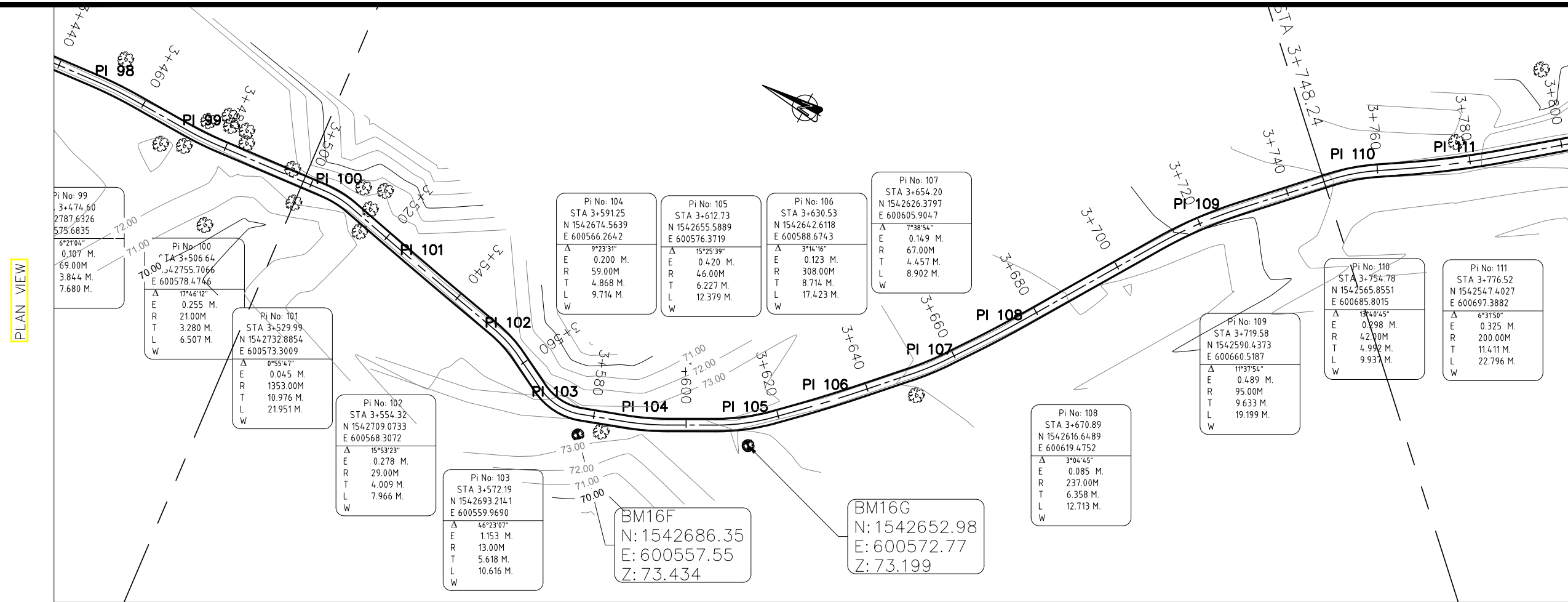
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SCALE IN A3: H1/1000 V1/100

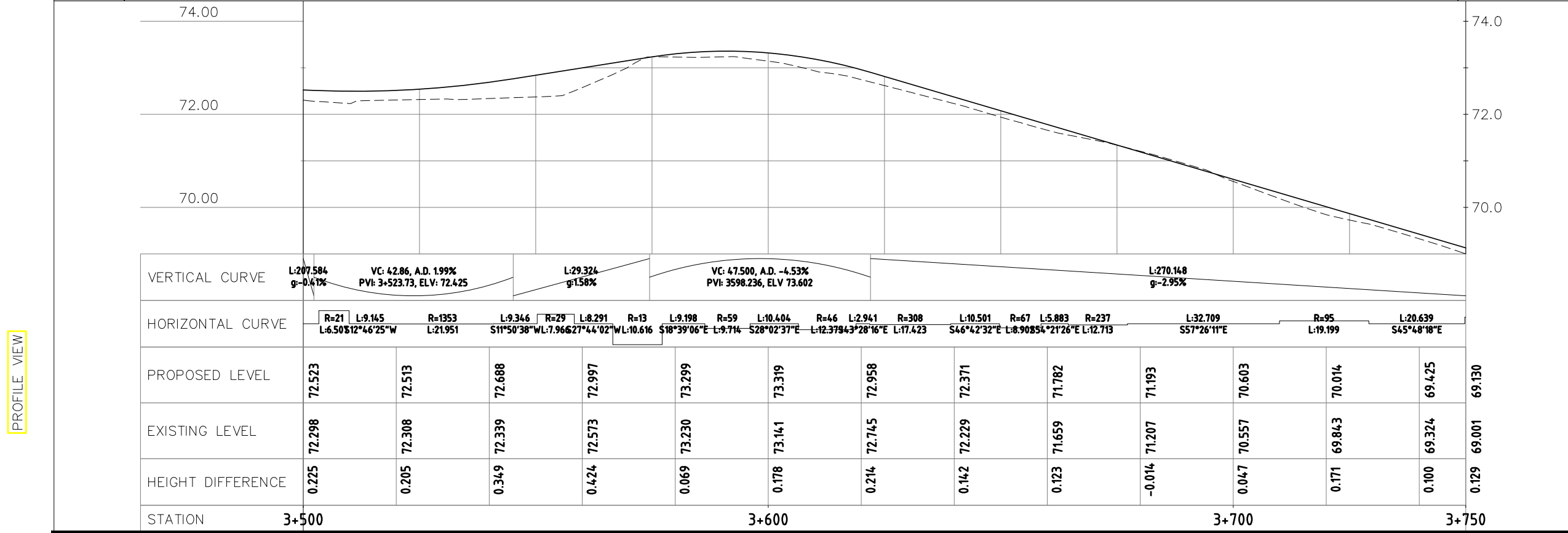
DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

C-189



- LEGEND:**
- NORTH DIRECTION
  - CONCRETE BENCH MARK
  - ELECTRIC POLE
  - PROPOSED FINISHED ROAD
  - EXISTING ROAD
  - LIGHT FOREST
  - DENSE FOREST
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  - CONCRETE-WOOD HOUSE (TWO STOREY)
  - CONCRETE HOUSE (TWO STOREY)
  - CONCRETE HOUSE (ONE STOREY)
  - PIPE CULVERT
  - BOX CULVERT
  - FENCE



**REVISION:**

No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
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TITLE: \_\_\_\_\_  
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ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
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 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 3+500-3+750

SCALE IN A3: H1/1000  
 V1/100

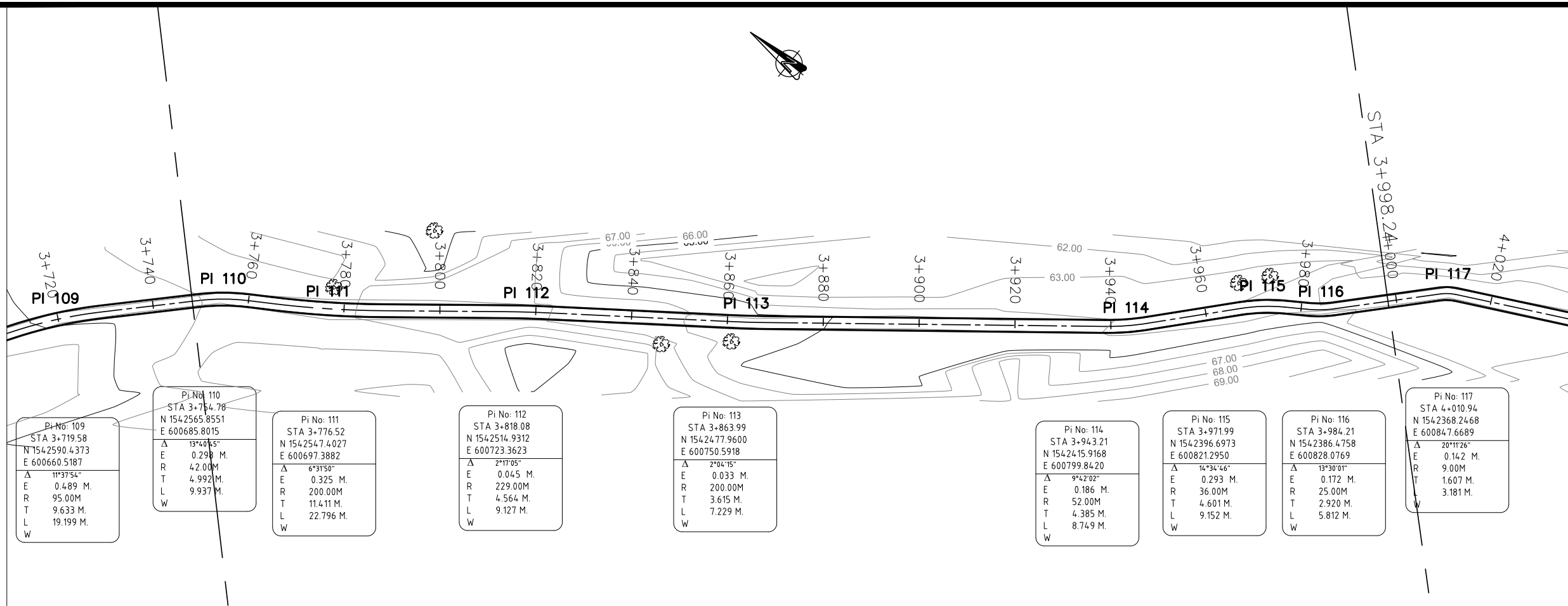
DATE: \_\_\_\_\_

DRAWING No.: \_\_\_\_\_

LAO - NKS

C-190

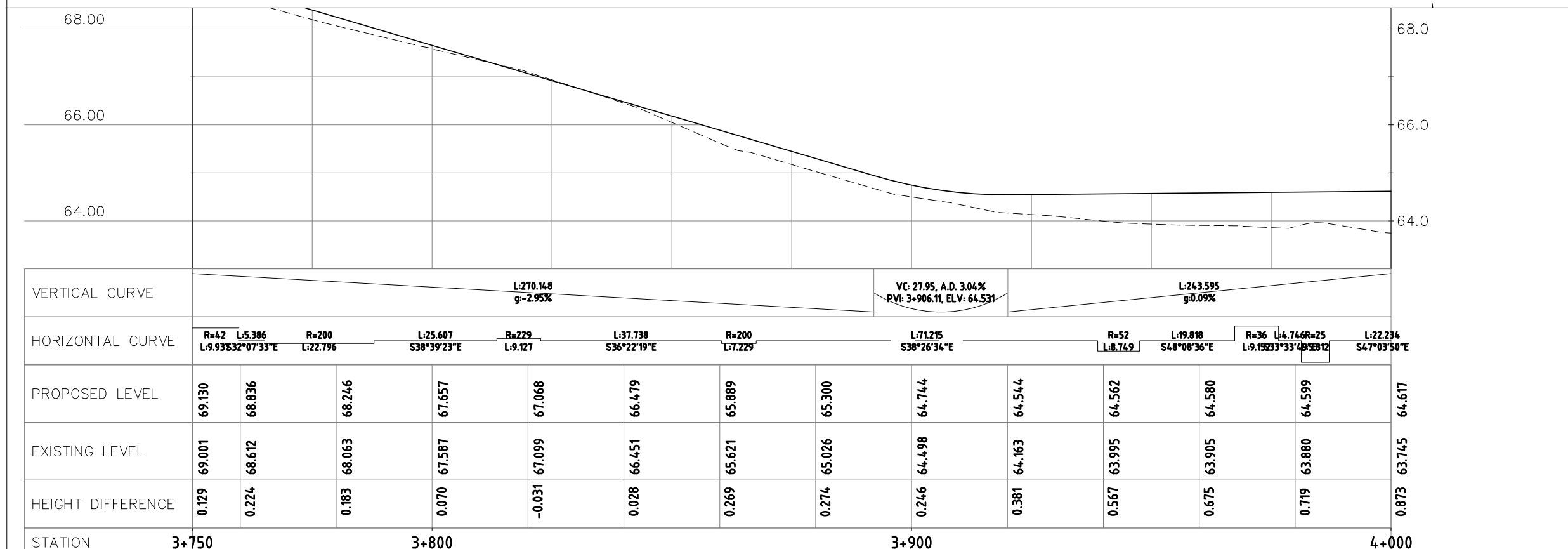
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
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- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

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TITLE: \_\_\_\_\_  
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DRAWING TITLE: WALKING AND CYCLING PATH A2(1RL05) PLAN &PROFILE Sta:km 3+750-4+000

SCALE IN A3: H1/1000  
 V1/100

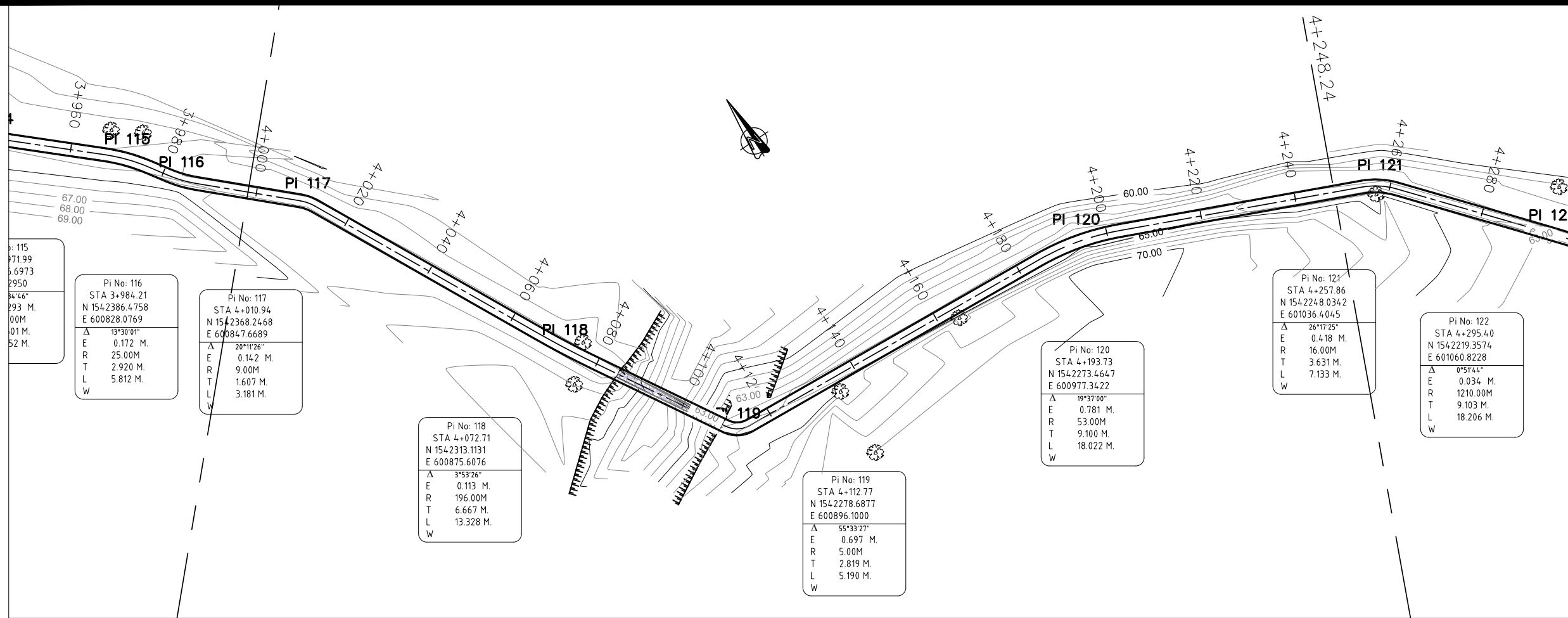
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DRAWING No.: \_\_\_\_\_

LAO - NKS

C-191

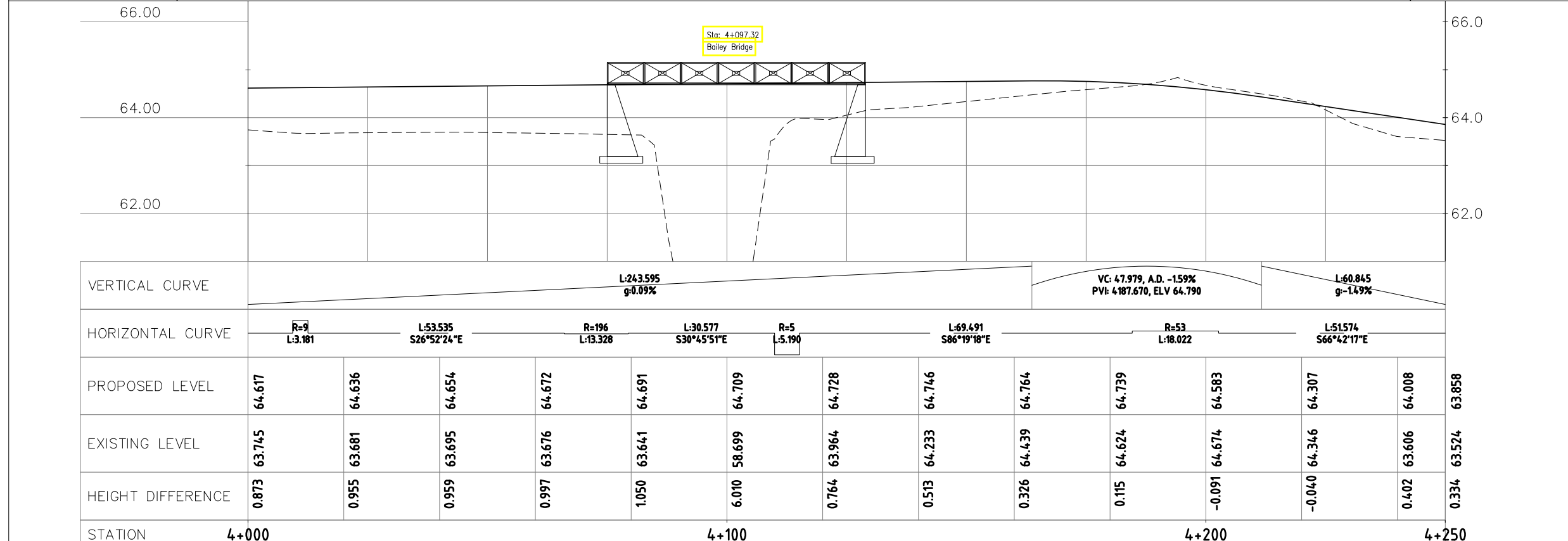
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
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- PIPE CULVERT
- BOX CULVERT
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PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
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DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
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DRAWING TITLE: WALKING AND CYCLING PATH A2(1RL05) PLAN & PROFILE Sta:km 4+000-4+250

SCALE IN A3: H1/1000  
 V1/100

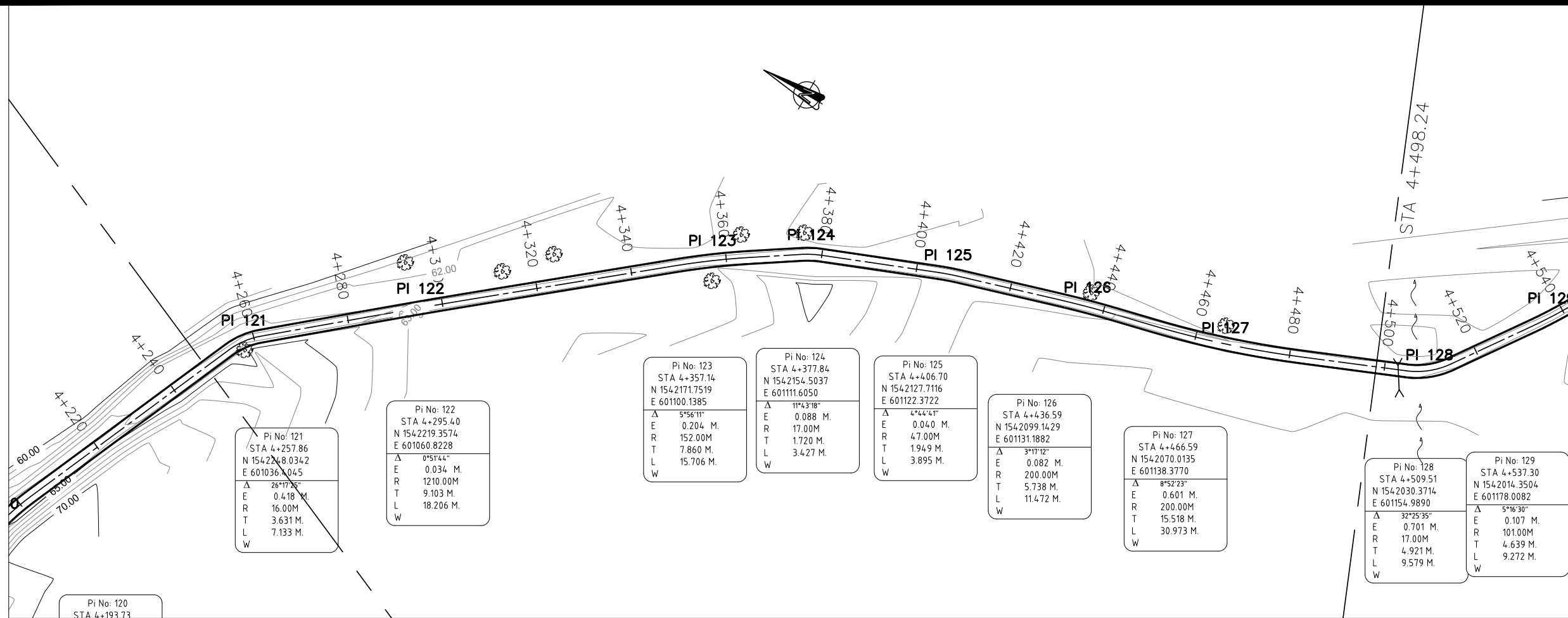
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DRAWING No.: LAO - NKS

C-192



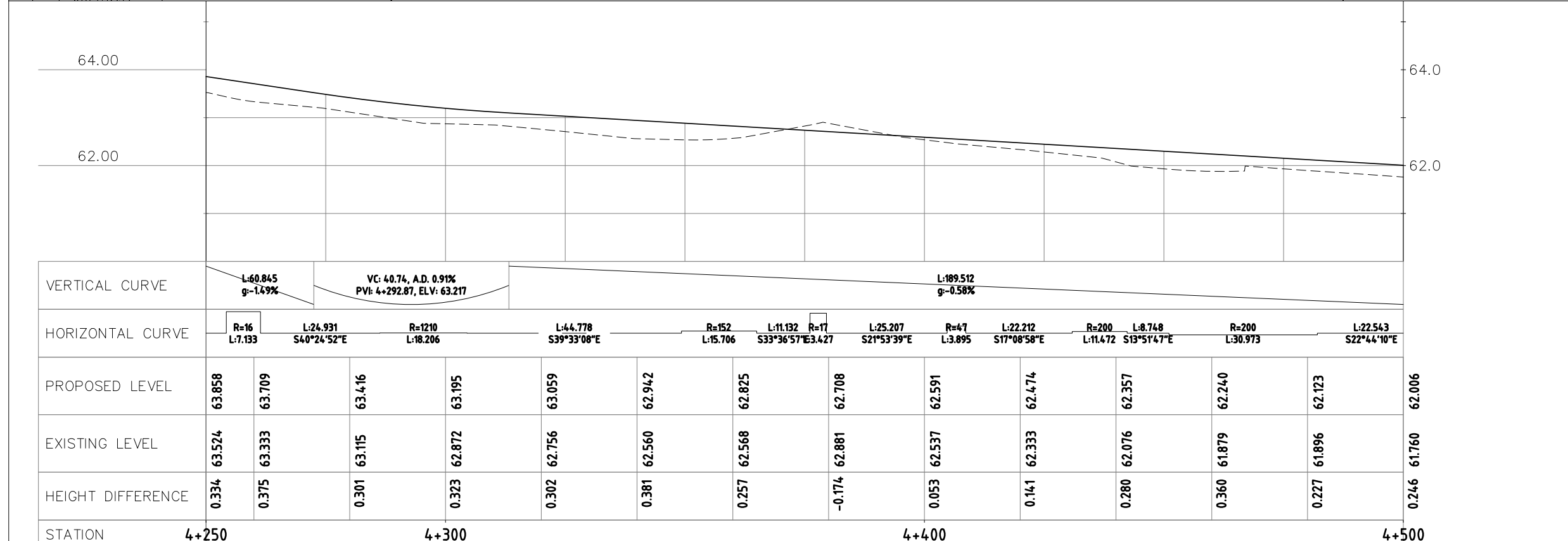
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
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PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
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ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
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DRAWING TITLE: WALKING AND CYCLING PATH A2(1RL05) PLAN & PROFILE Sta:km 4+250-4+500

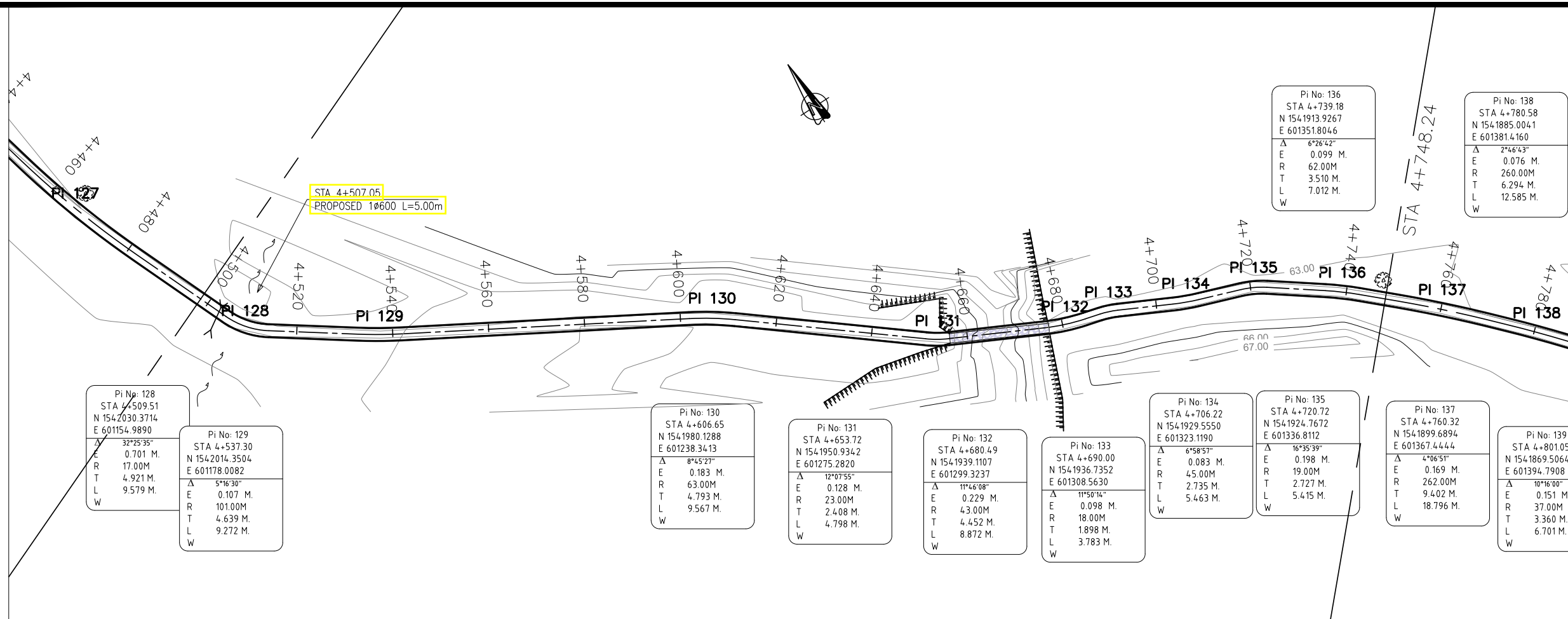
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DRAWING No.: LAO - NKS

C-193

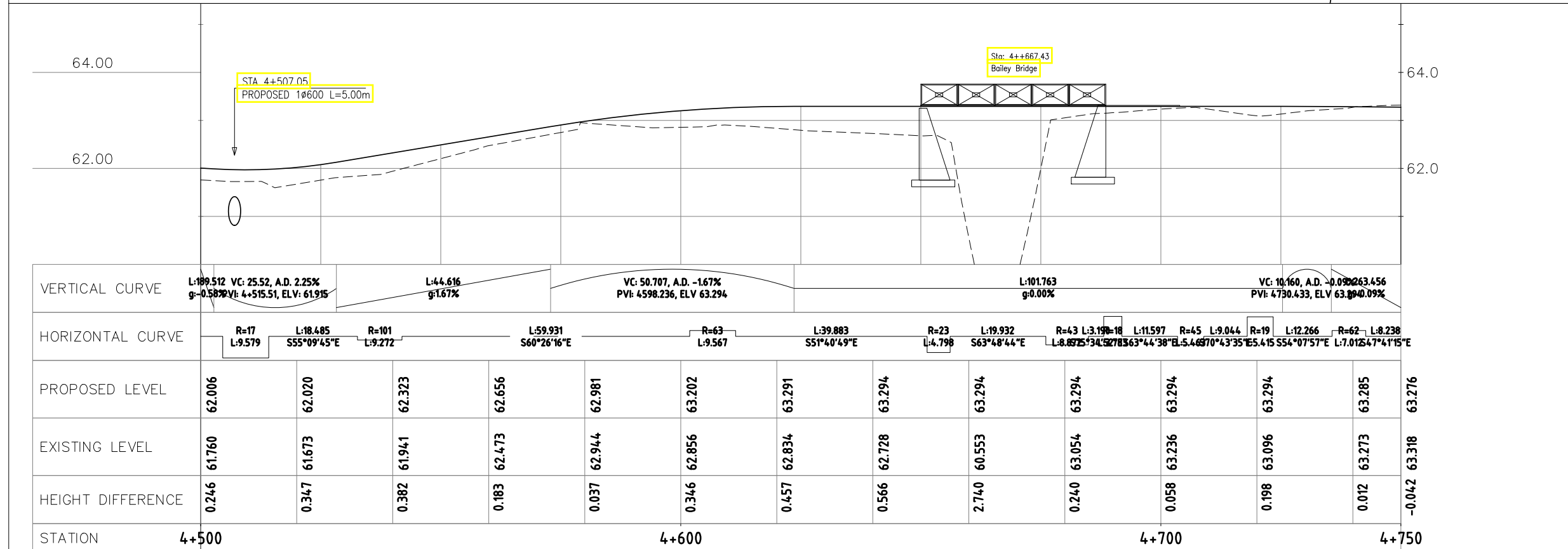
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
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PROFILE VIEW



REVISION:		
No.	Description	Date
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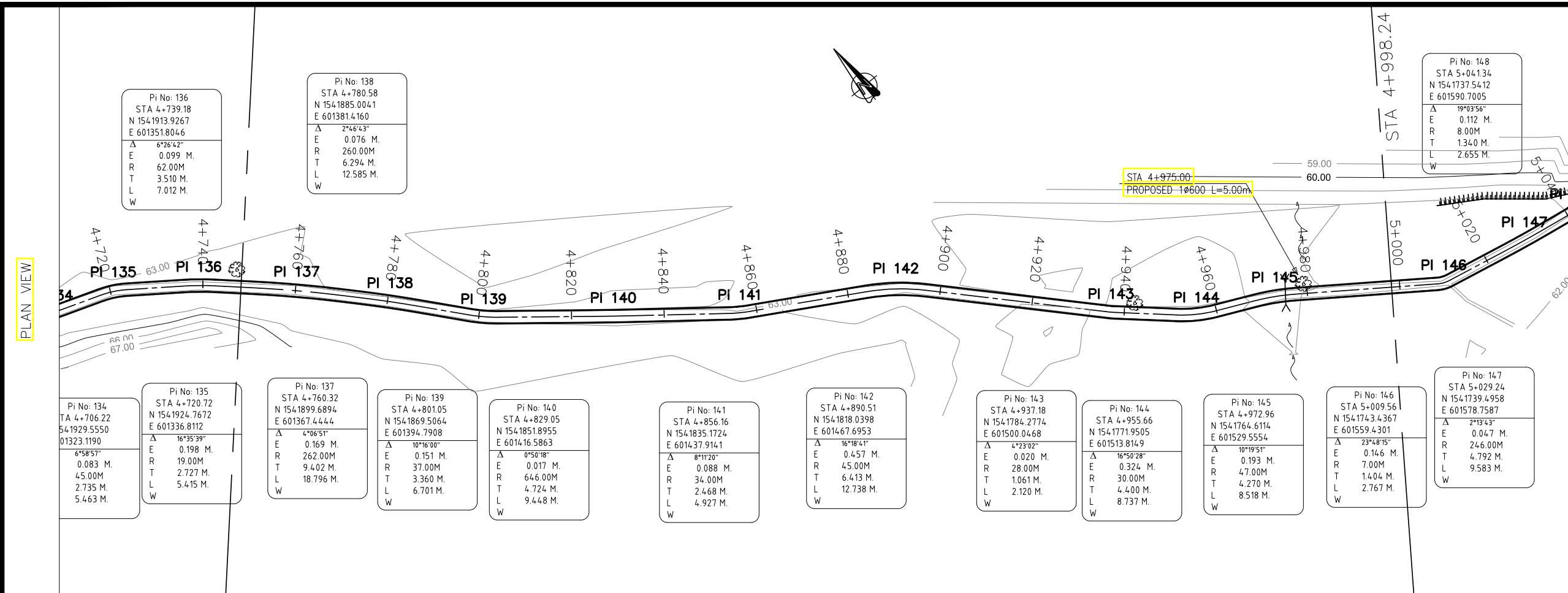
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
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**Norconsult**

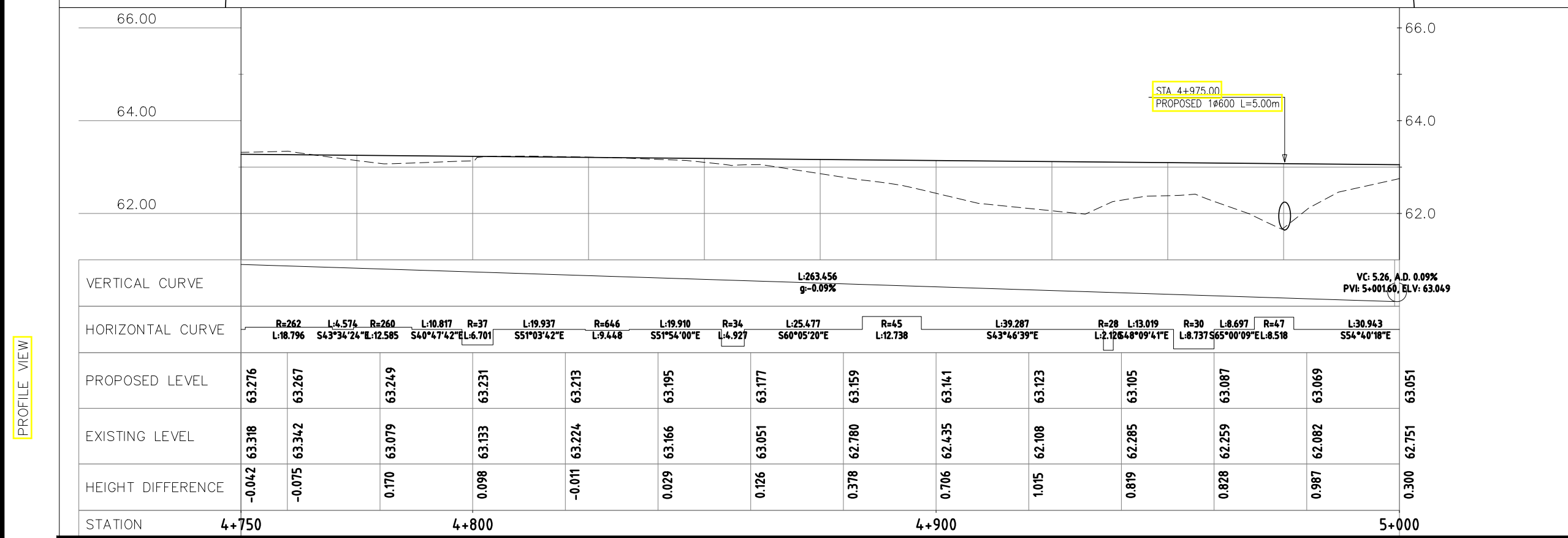
PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: WALKING AND CYCLING PATH A2(1RL05) PLAN & PROFILE Sta:km 4+500-4+750

SCALE IN A3: H1/1000 V1/100 DATE: \_\_\_\_\_ DRAWING No.: LAO - NKS C-194



- LEGEND:**
- NORTH DIRECTION
  - CONCRETE BENCH MARK
  - ELECTRIC POLE
  - PROPOSED FINISHED ROAD
  - EXISTING ROAD
  - LIGHT FOREST
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  - CONCRETE HOUSE (ONE STOREY)
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  - BOX CULVERT
  - FENCE



STATION	4+750	4+800	4+900	5+000
PROPOSED LEVEL	63.276	63.267	63.249	63.231
EXISTING LEVEL	63.318	63.342	63.079	63.133
HEIGHT DIFFERENCE	-0.042	-0.075	0.170	0.098

**REVISION:**

No.	Description	Date
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 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: WALKING AND CYCLING PATH A2(1RL05) PLAN & PROFILE Sta:km 4+750-5+000

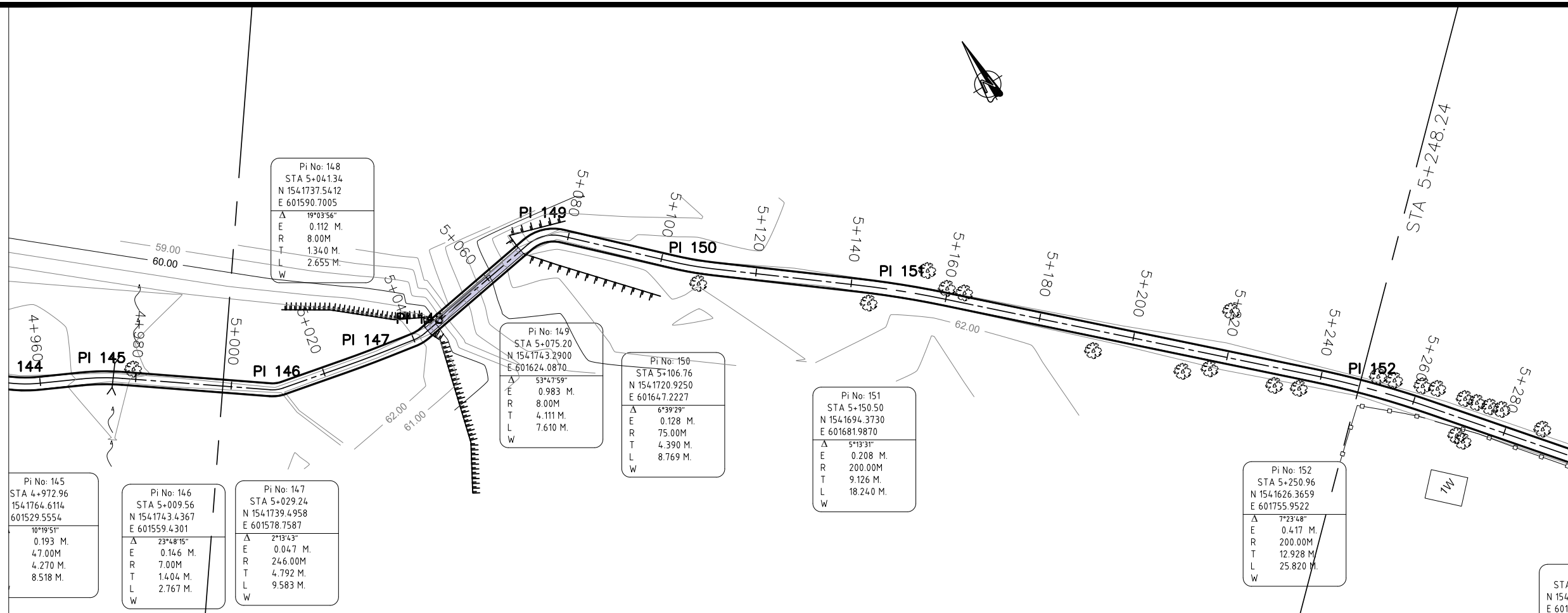
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 V1/100

DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

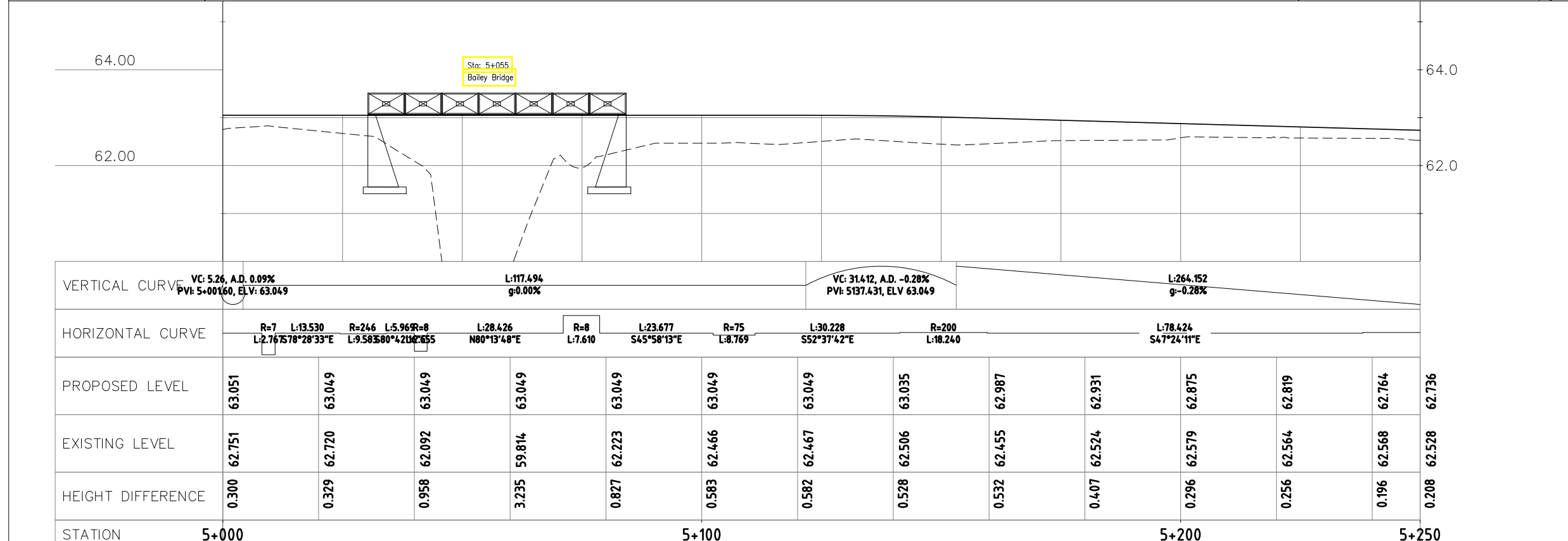
C-195

PLAN VIEW



- LEGEND:**
- NORTH DIRECTION
  - CONCRETE BENCH MARK
  - ELECTRIC POLE
  - PROPOSED FINISHED ROAD
  - EXISTING ROAD
  - LIGHT FOREST
  - DENSE FOREST
  - RICE FIELD
  - WOOD HOUSE (ONE STOREY)
  - CONCRETE-WOOD HOUSE (TWO STOREY)
  - CONCRETE HOUSE (TWO STOREY)
  - CONCRETE HOUSE (ONE STOREY)
  - PIPE CULVERT
  - BOX CULVERT
  - FENCE

PROFILE VIEW



**REVISION:**

No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

**CADTIS-Consultant**

**LAO-Asean Engineering Consultants Sole CO.,LTD.**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: WALKING AND CYCLING PATH A2(1RL05) PLAN &PROFILE Sta:km 5+000-5+250

SCALE IN A3: H1/1000 V1/100

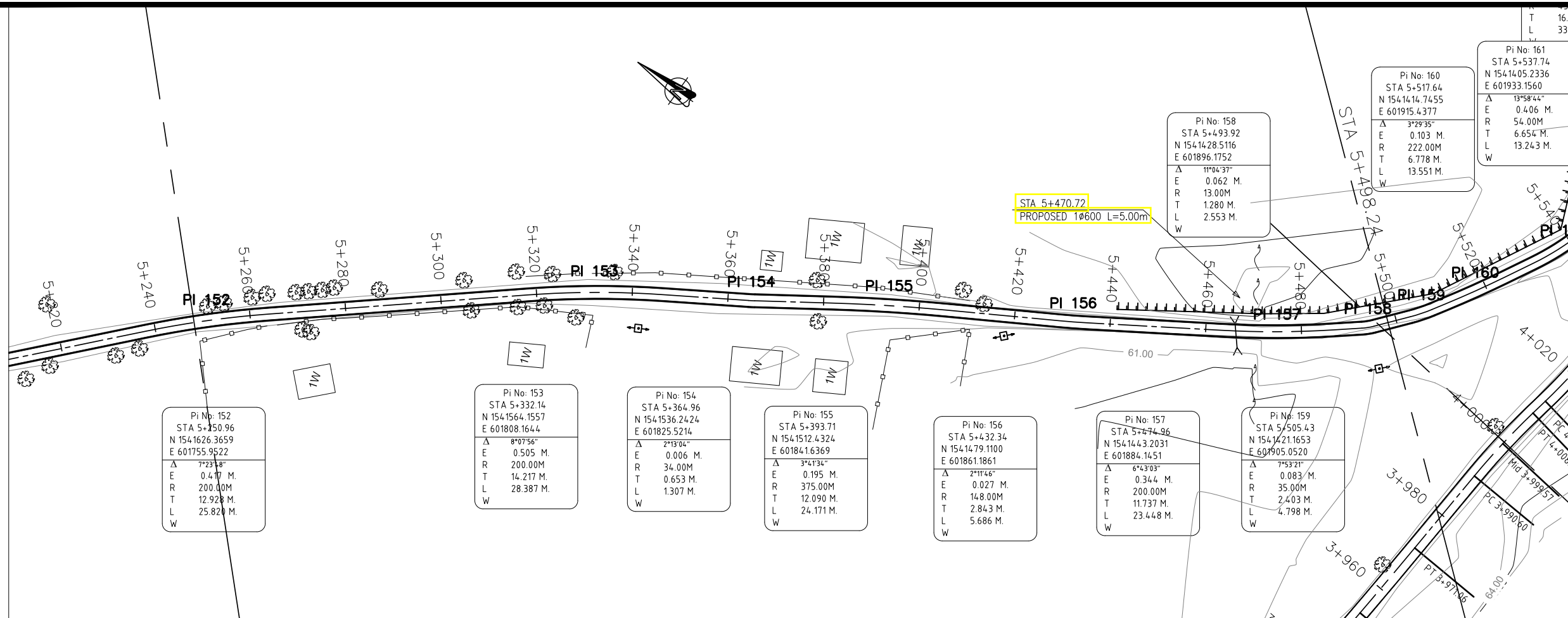
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DRAWING No.: \_\_\_\_\_

LAO - NKS

C-196

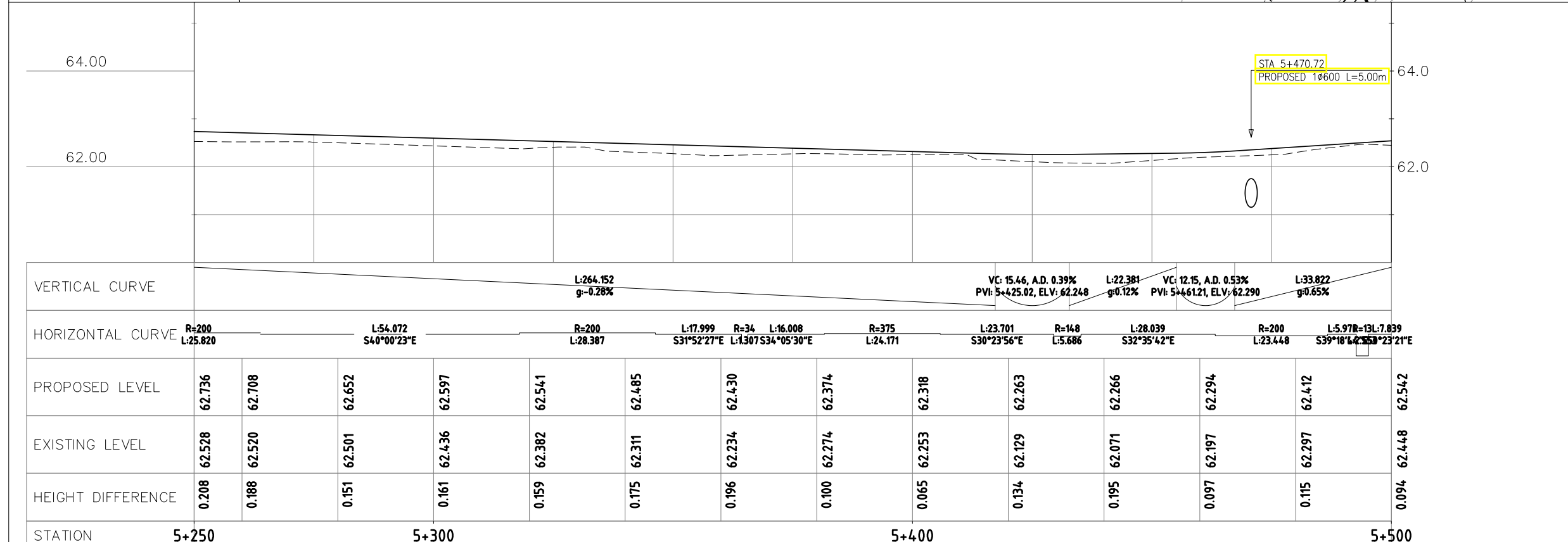
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

**CADTIS**

**CADTIS-Consultant**

**LAO-Asian Engineering Consultants Sole CO.,LTD**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: WALKING AND CYCLING PATH A2(IRL05) PLAN & PROFILE Sta:km 5+250-5+500

SCALE IN A3: H1/1000  
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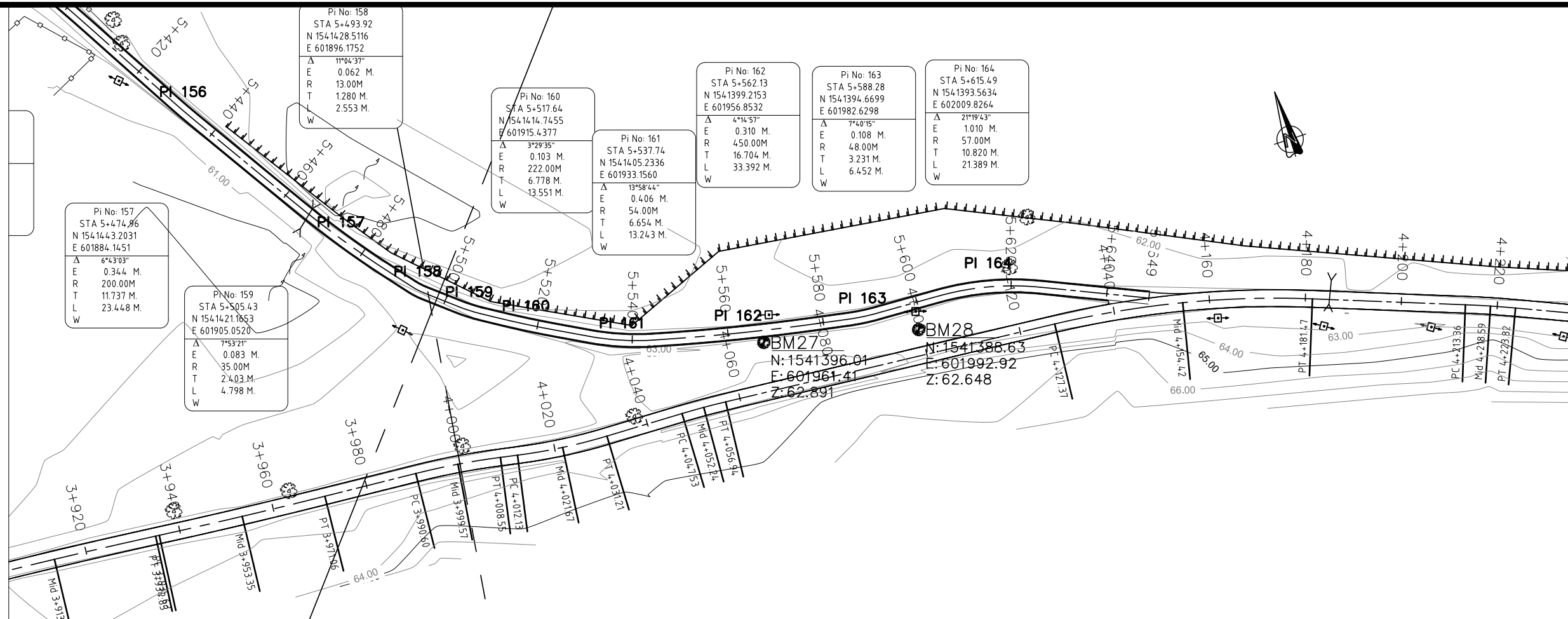
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LAO - NKS

C-197

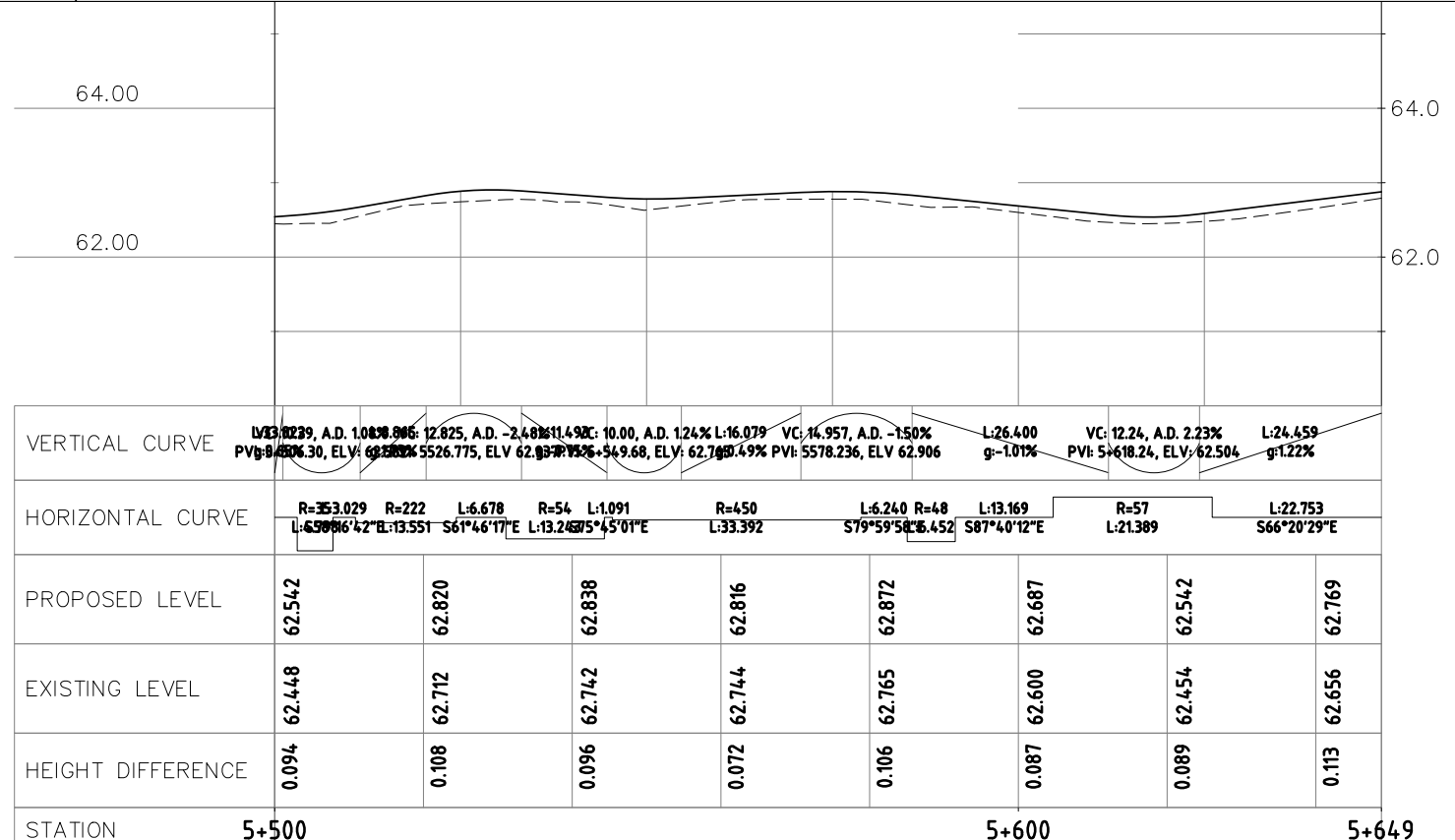
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



VERTICAL CURVE	VC: 12.23, A.D. 1.08, g: 1.22%	VC: 12.825, A.D. -2.48, g: -1.01%	VC: 16.957, A.D. -1.50%, g: -1.01%	VC: 12.24, A.D. 2.23%, g: 1.22%	VC: 24.659, A.D. 1.22%, g: 1.22%		
HORIZONTAL CURVE	R=353.029, L: 6.90, Δ: 6°43'03"	R=222, L: 6.678, Δ: 13°55'11"	R=54, L: 1.091, Δ: 13°24'05"	R=450, L: 33.392, Δ: 57°59'58"	R=6.240, L: 13.169, Δ: 87°40'12"	R=57, L: 21.389, Δ: 56°20'29"	R=22.753, L: 2.22, Δ: 66°20'29"

REVISION:		
No.	Description	Date
A	Plan and Profile	3-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

**CADTIS-Consultant**

**LAO-Asean Engineering Consultants Sole CO.,LTD**

PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

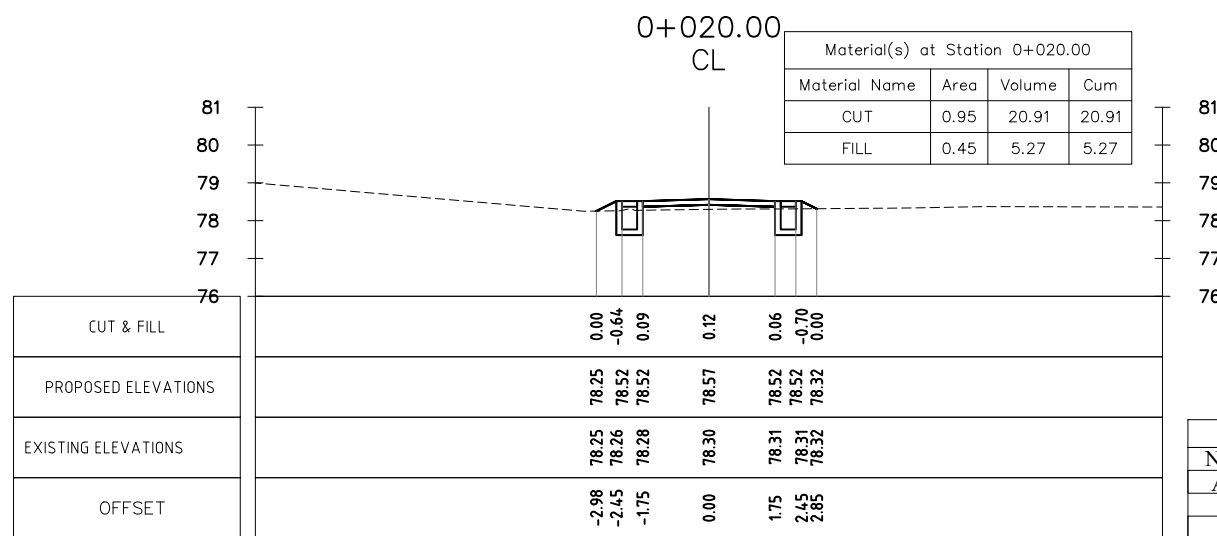
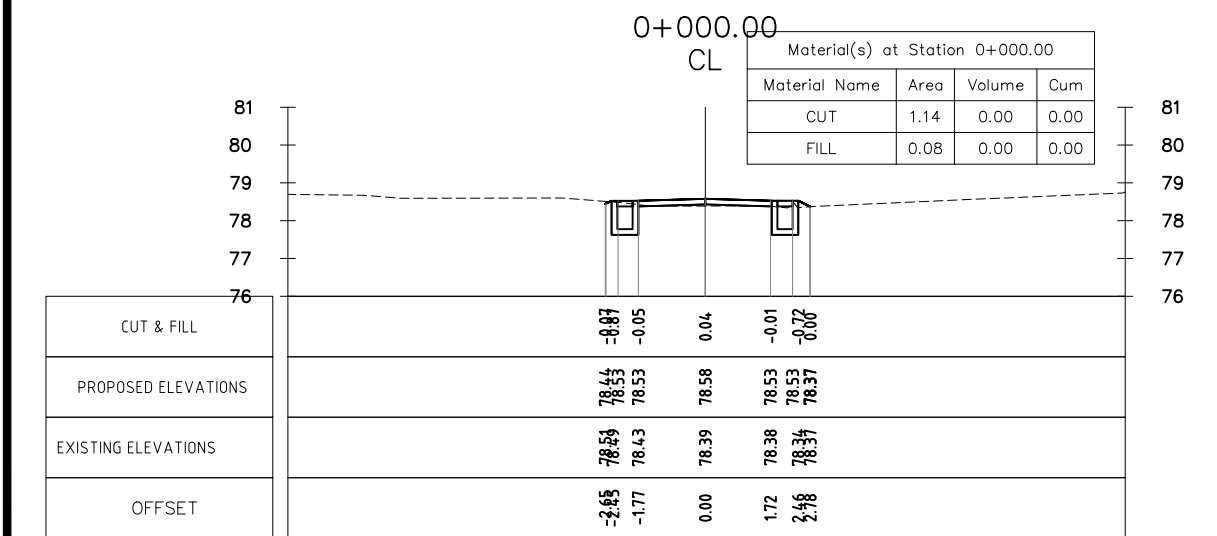
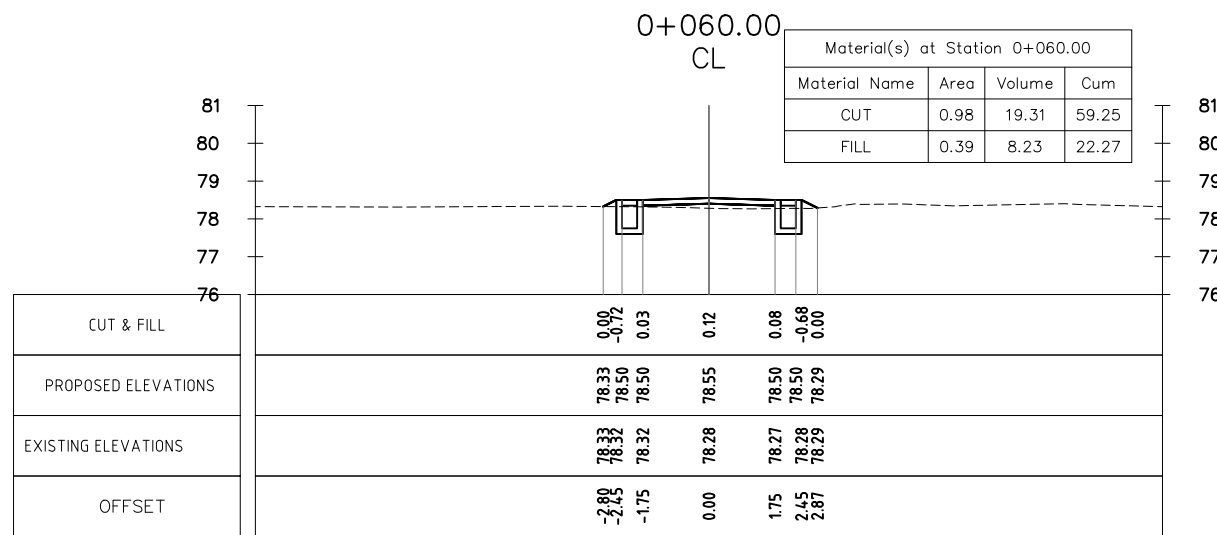
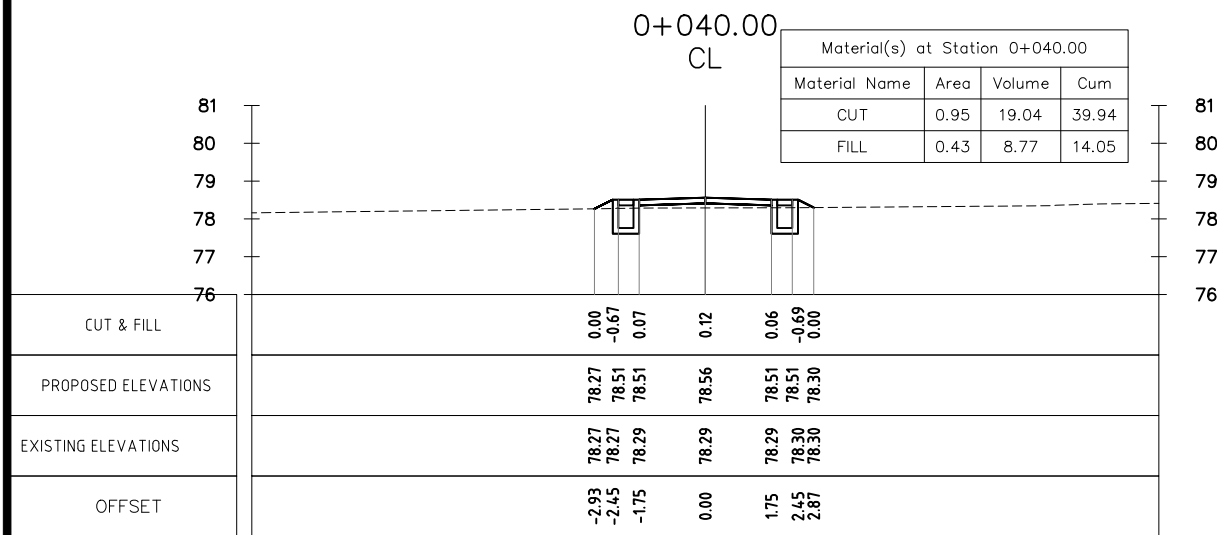
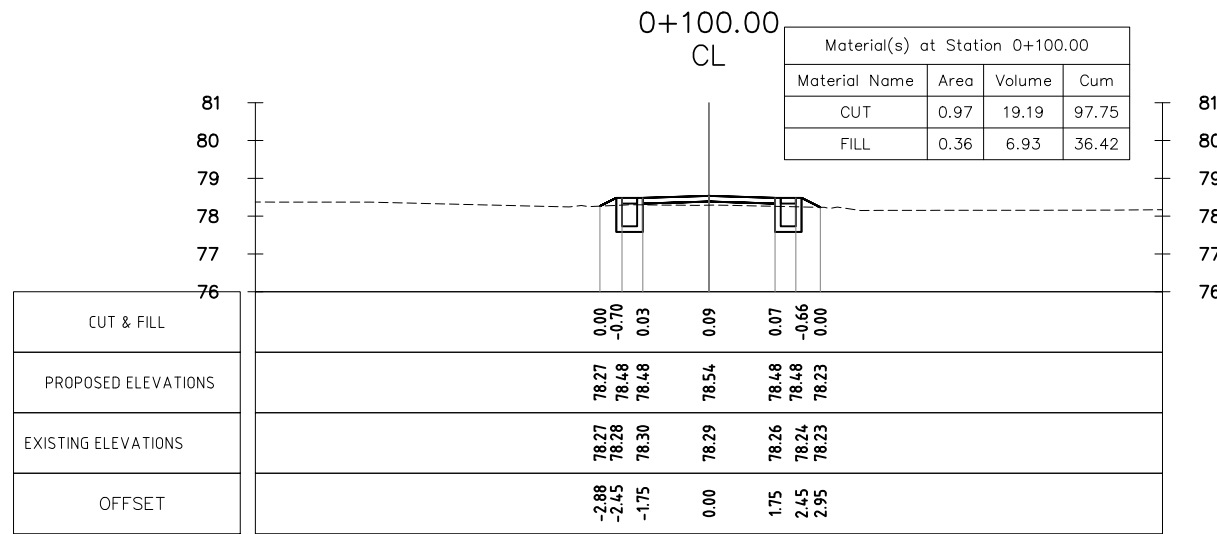
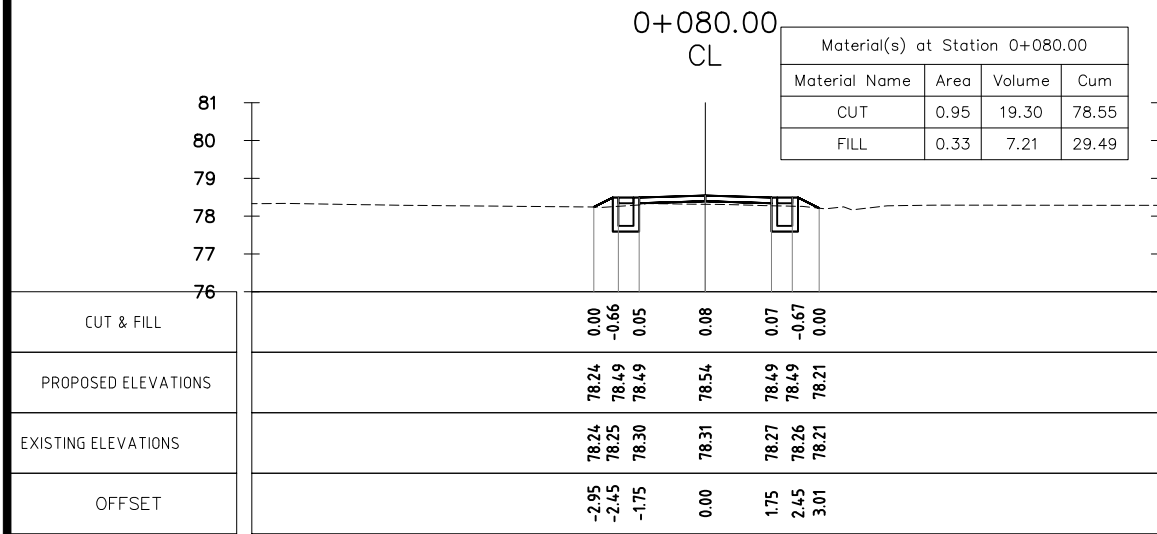
DRAWING TITLE: WALKING AND CYCLING PATH A2(IRL05) PLAN &PROFILE Sta:km 5+500-5+649

SCALE IN A3: H1/1000  
 V1/100

DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

C-198



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

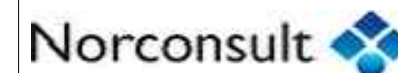
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 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

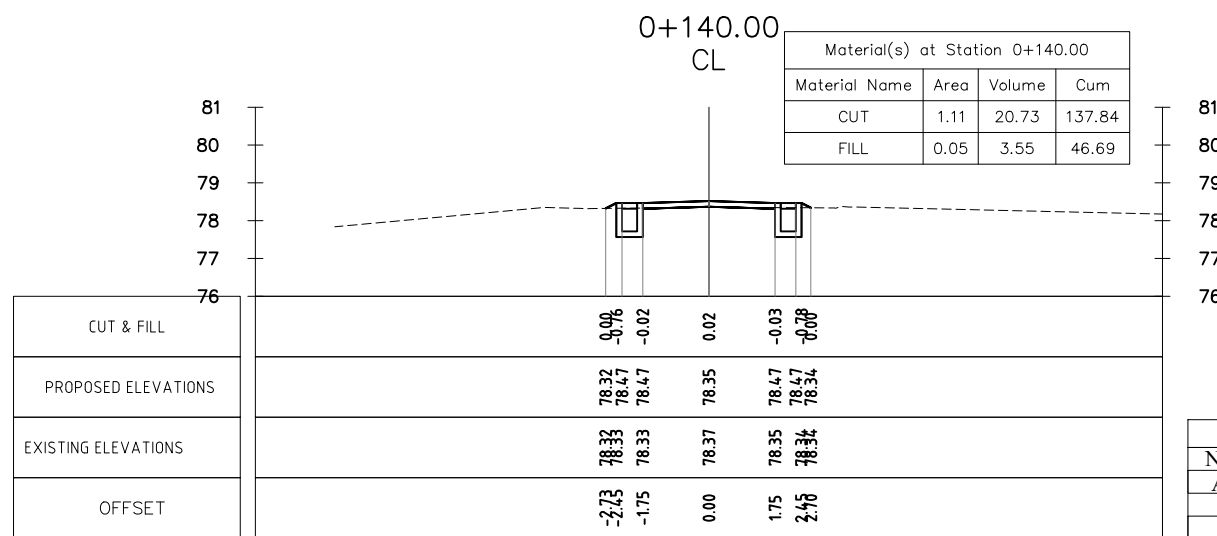
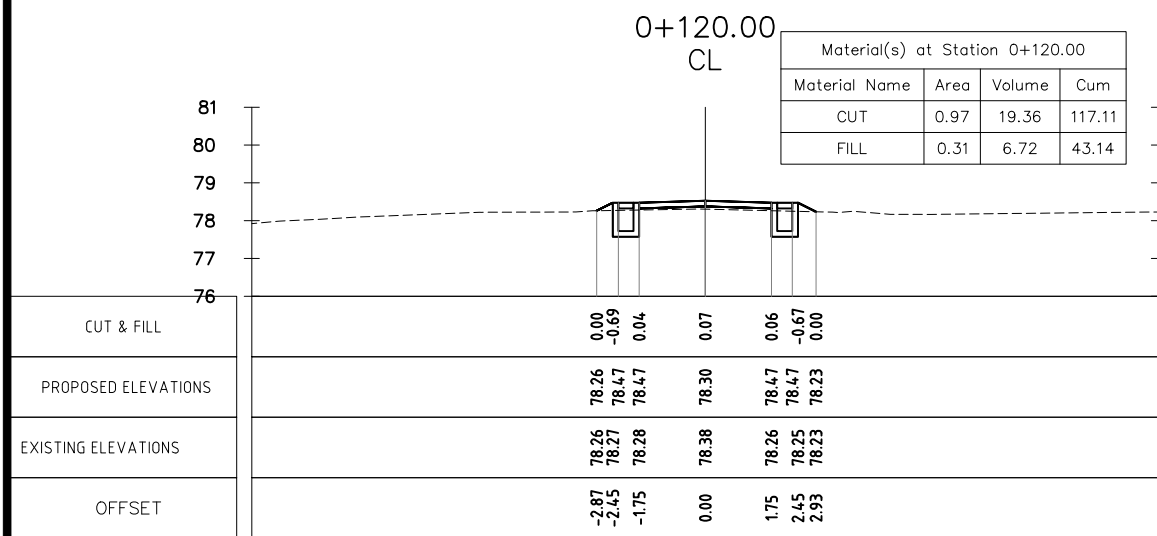
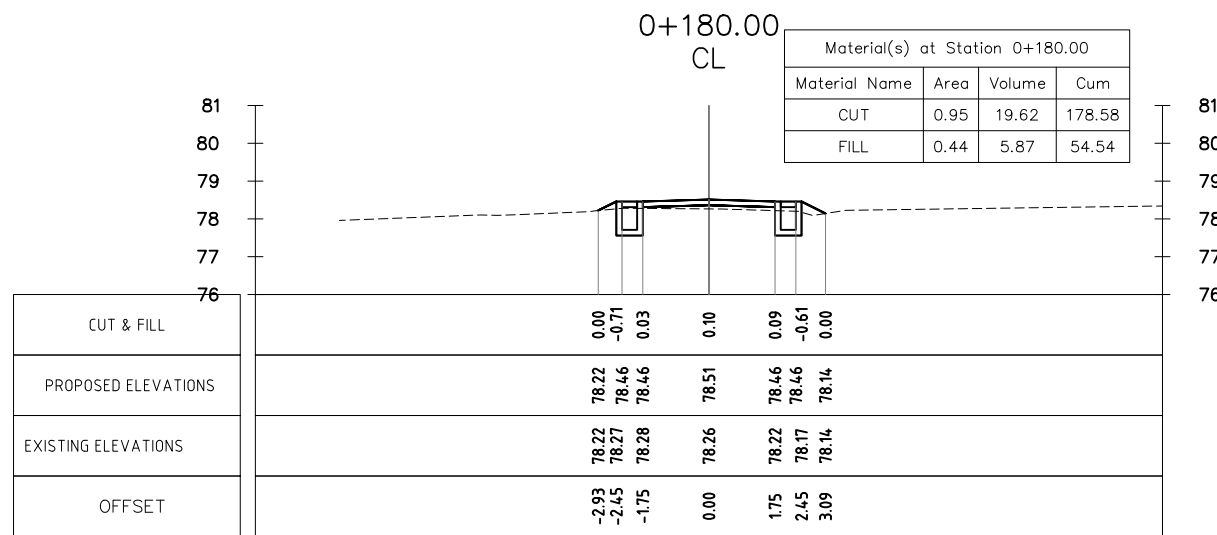
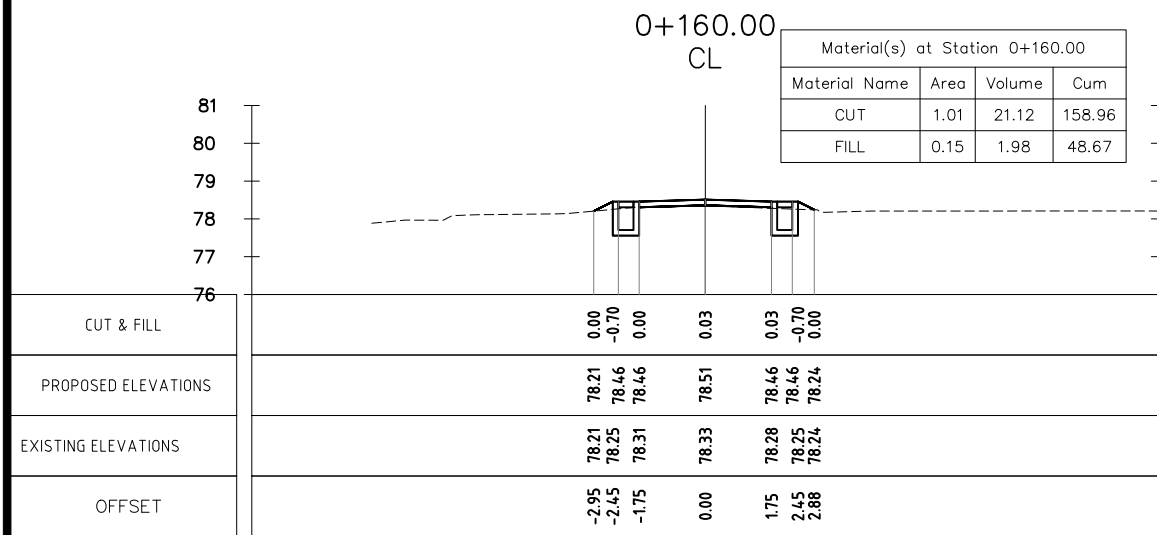
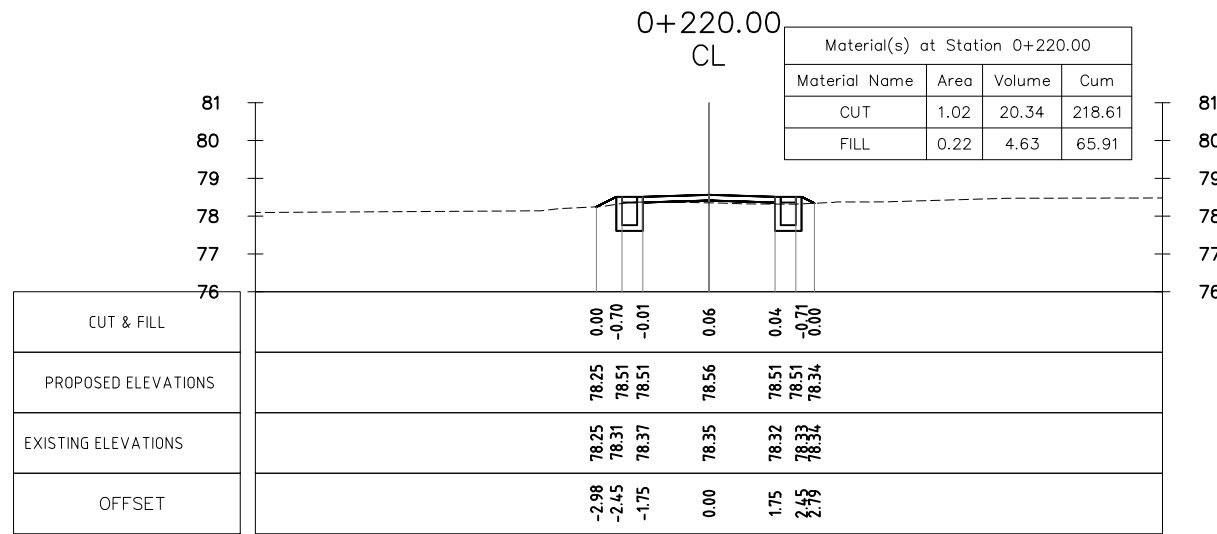
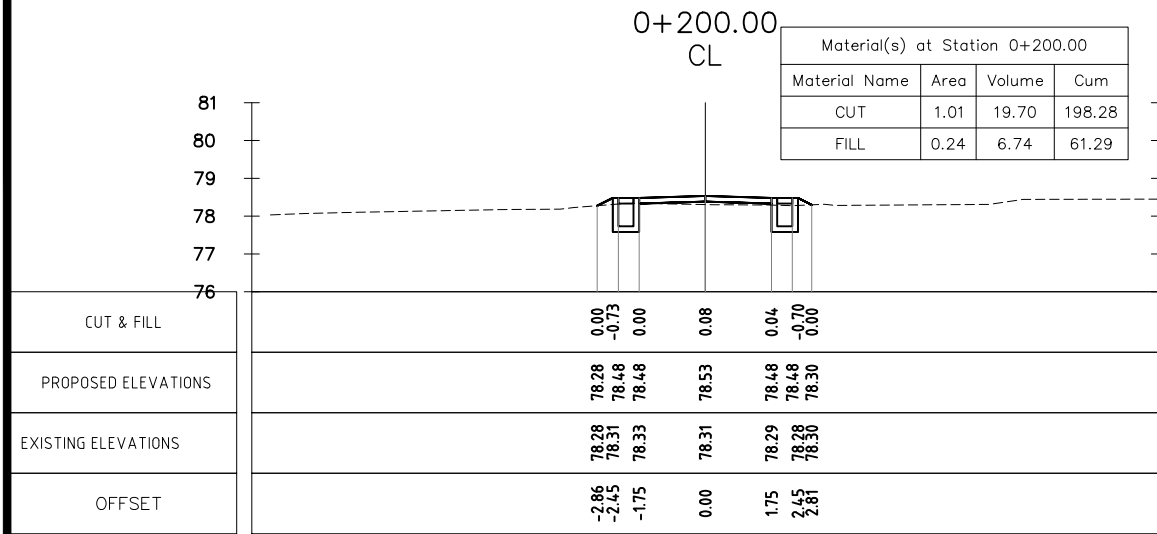
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 0+000-0+100			
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-199



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

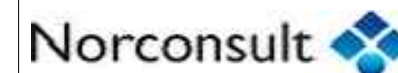
TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

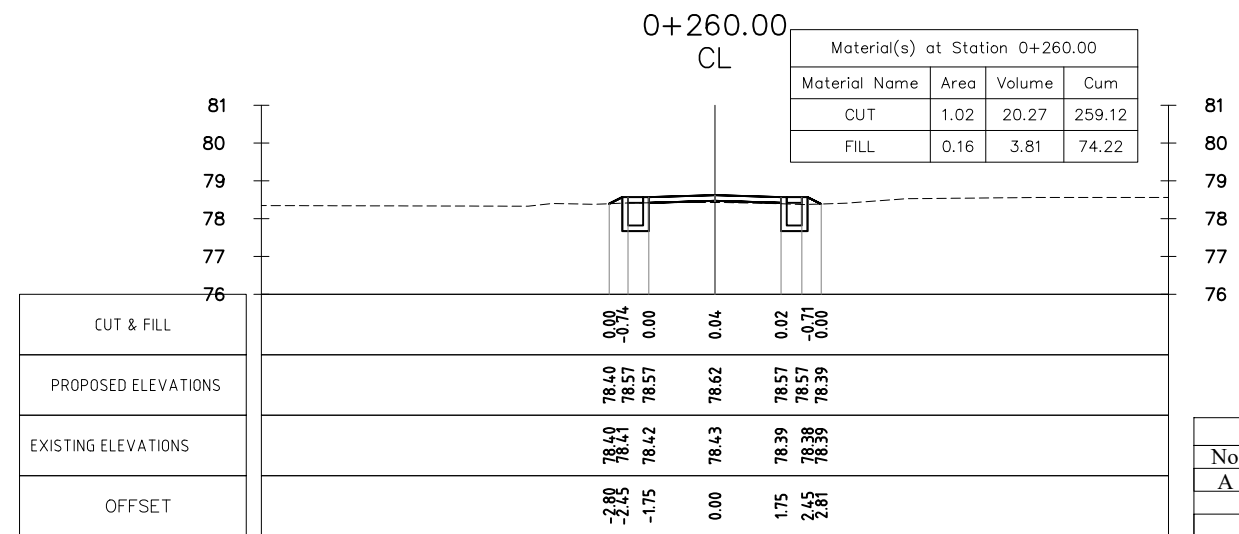
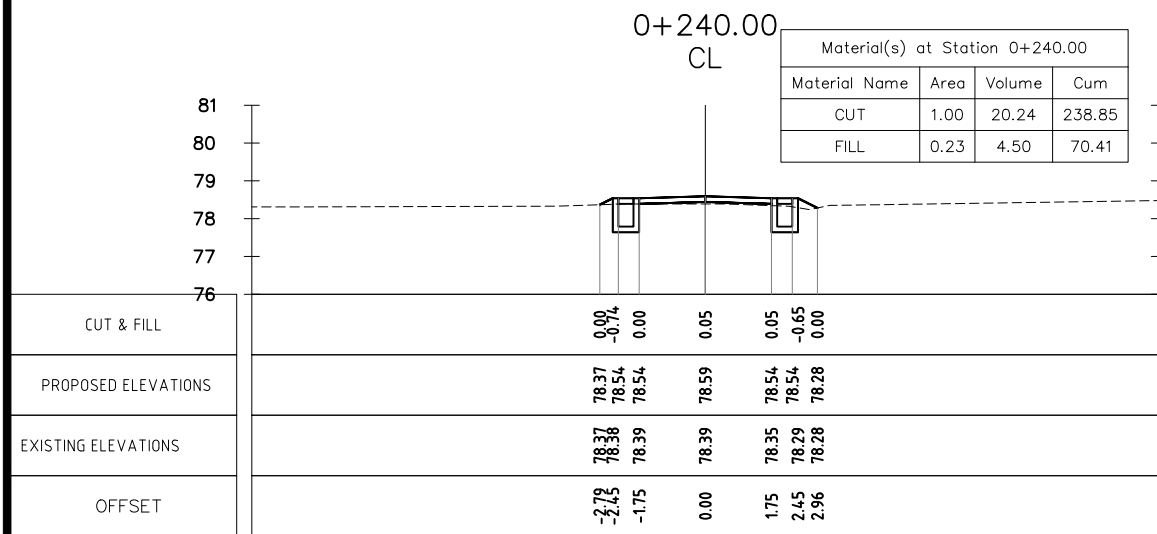
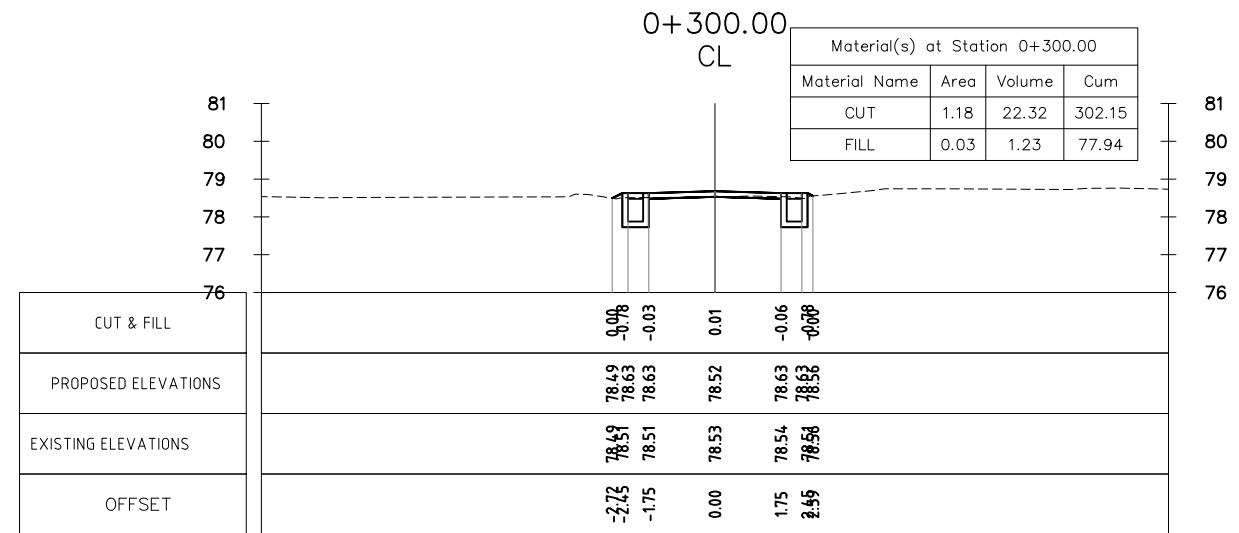
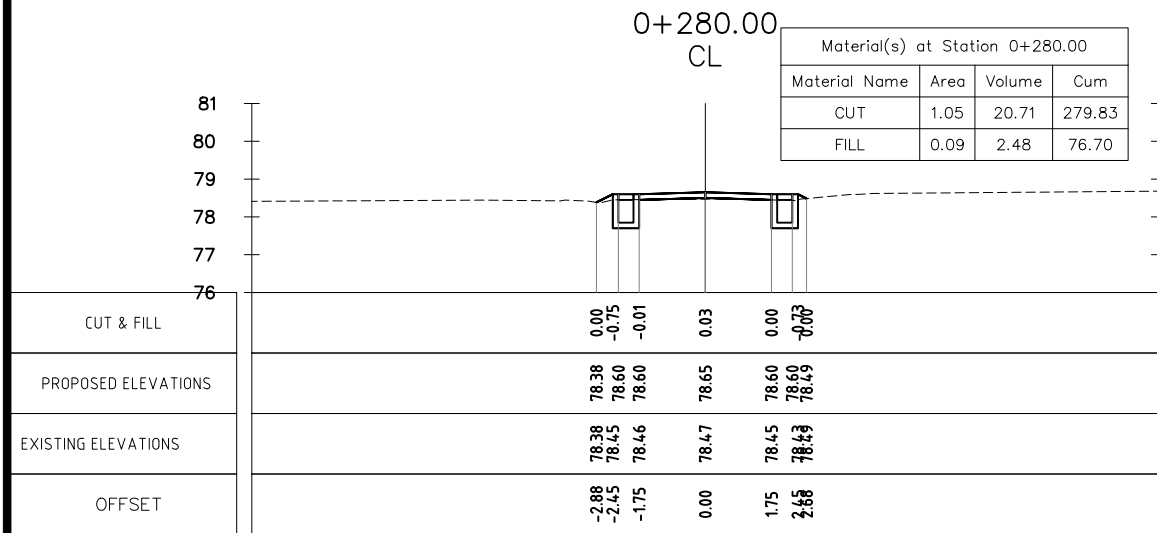
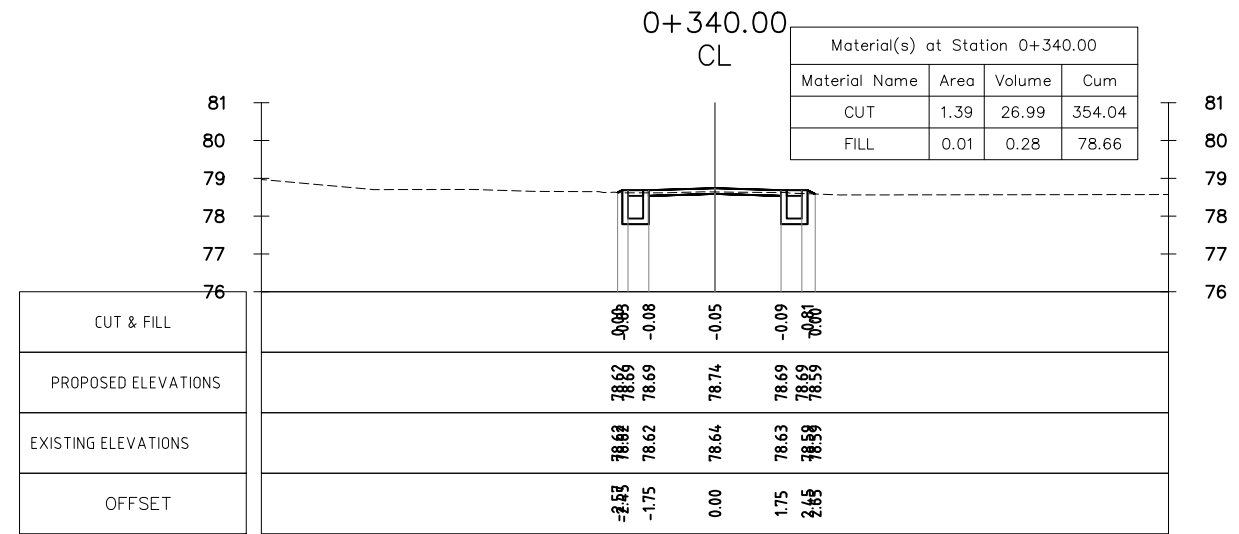
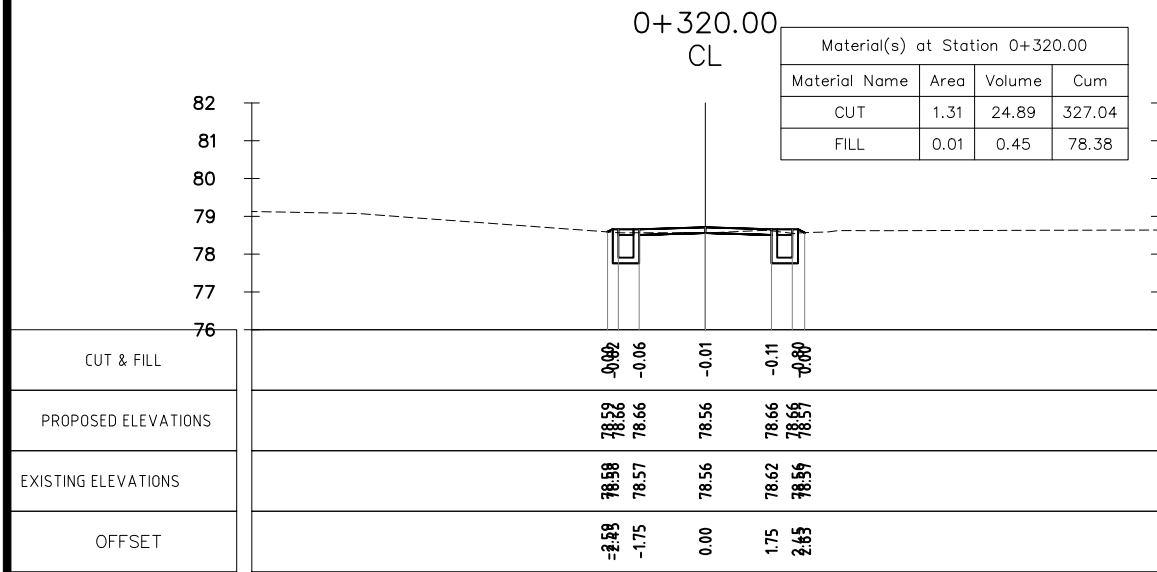


PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 0+120-0+220

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-200
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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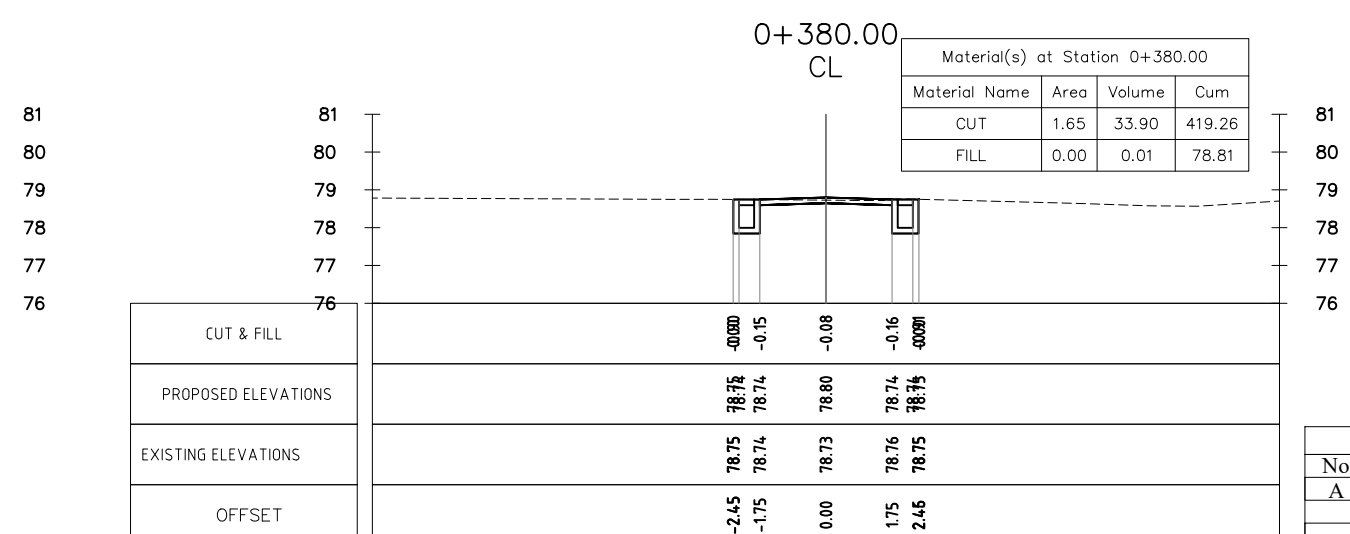
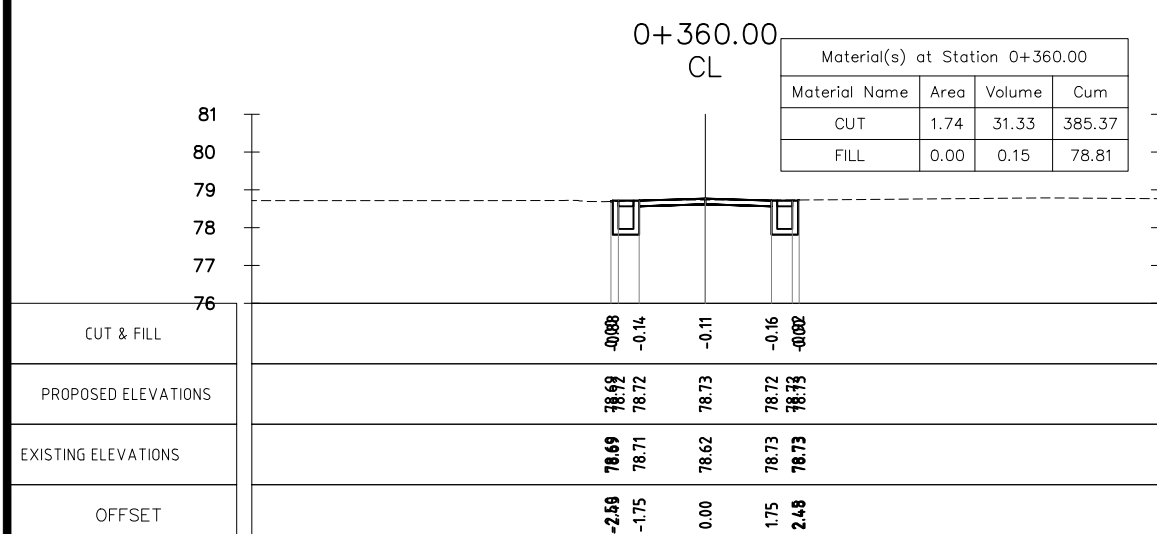
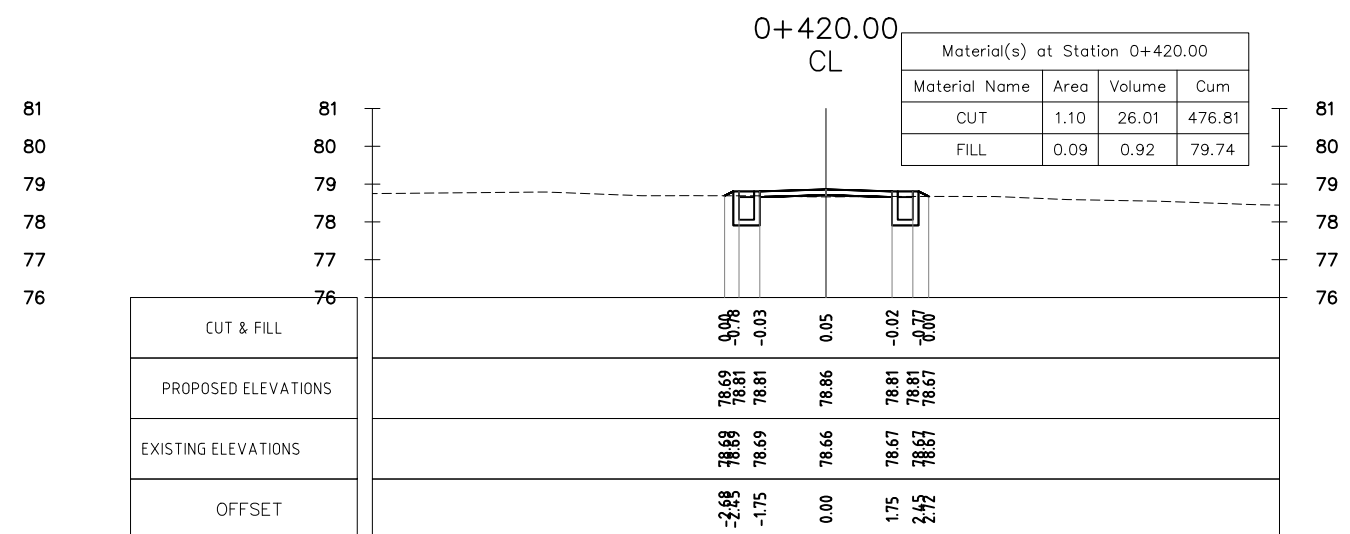
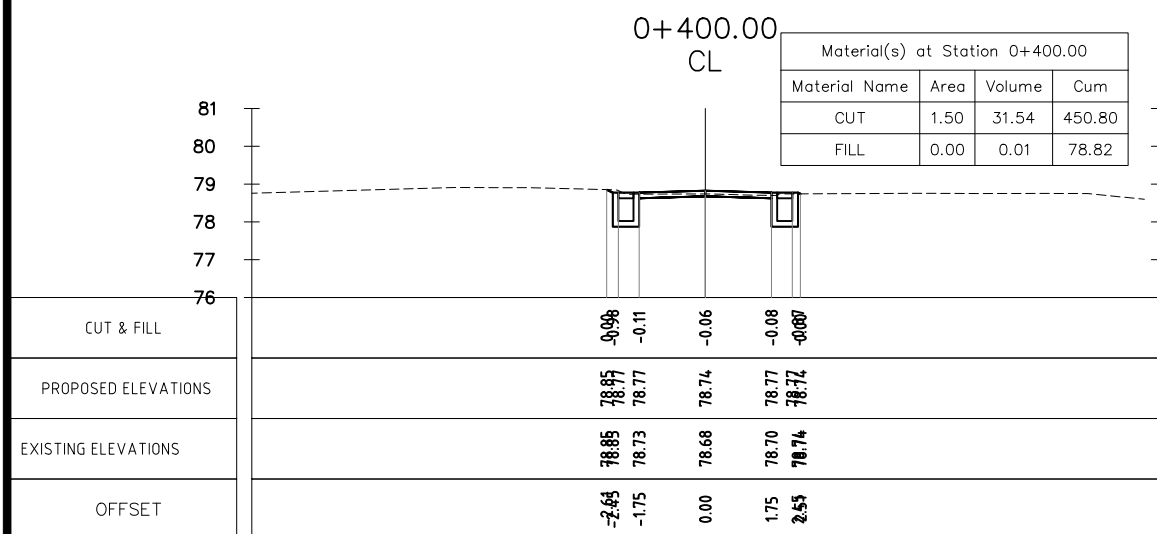
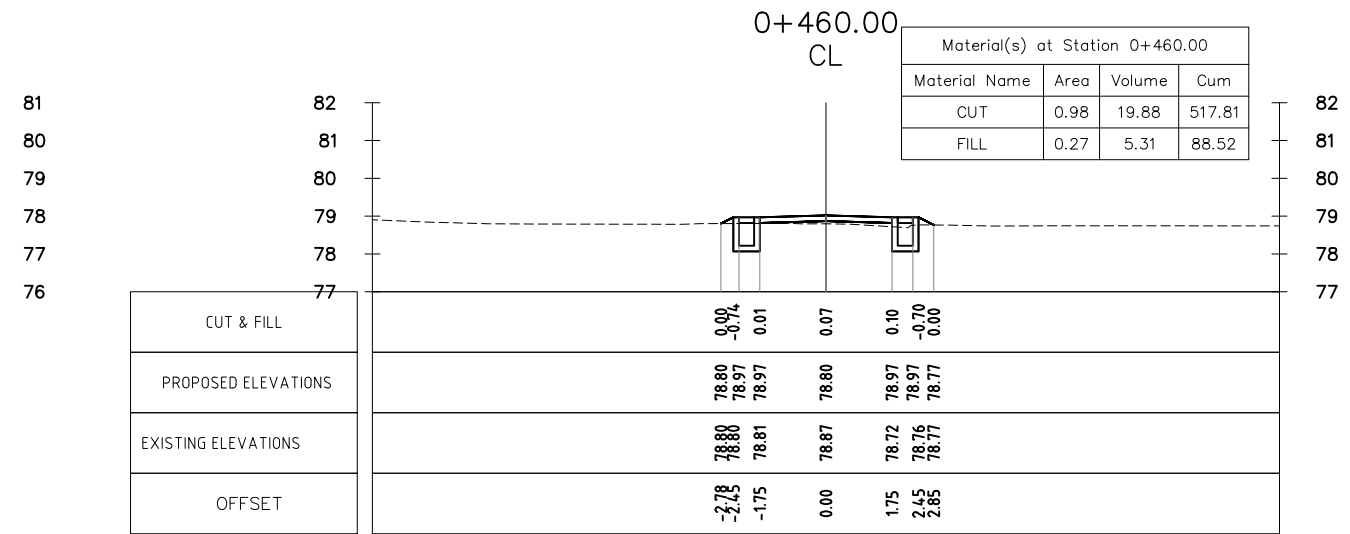
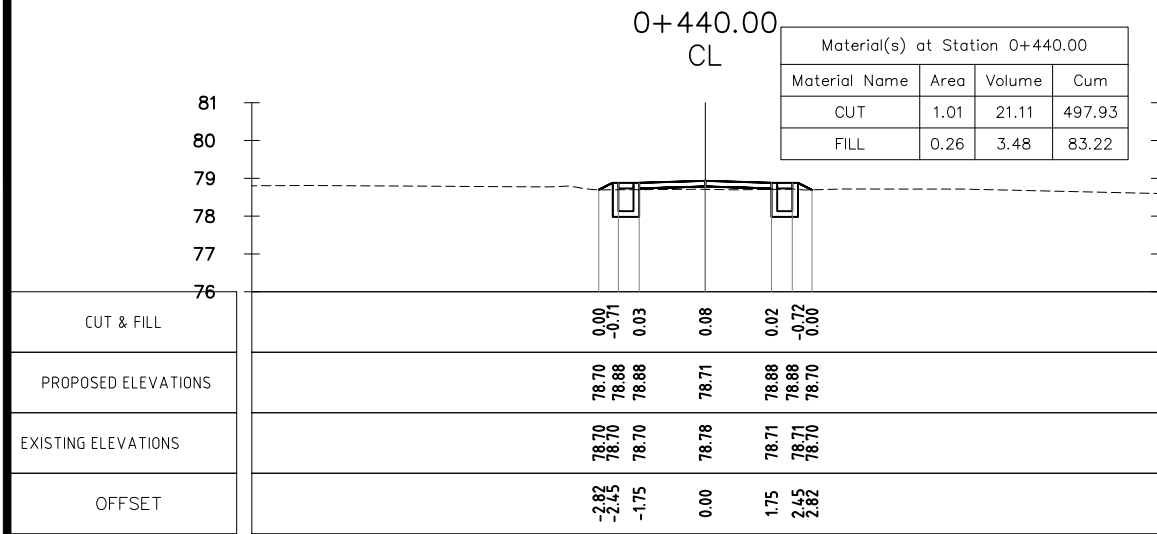
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 0+240-0+340

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-201
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18





Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

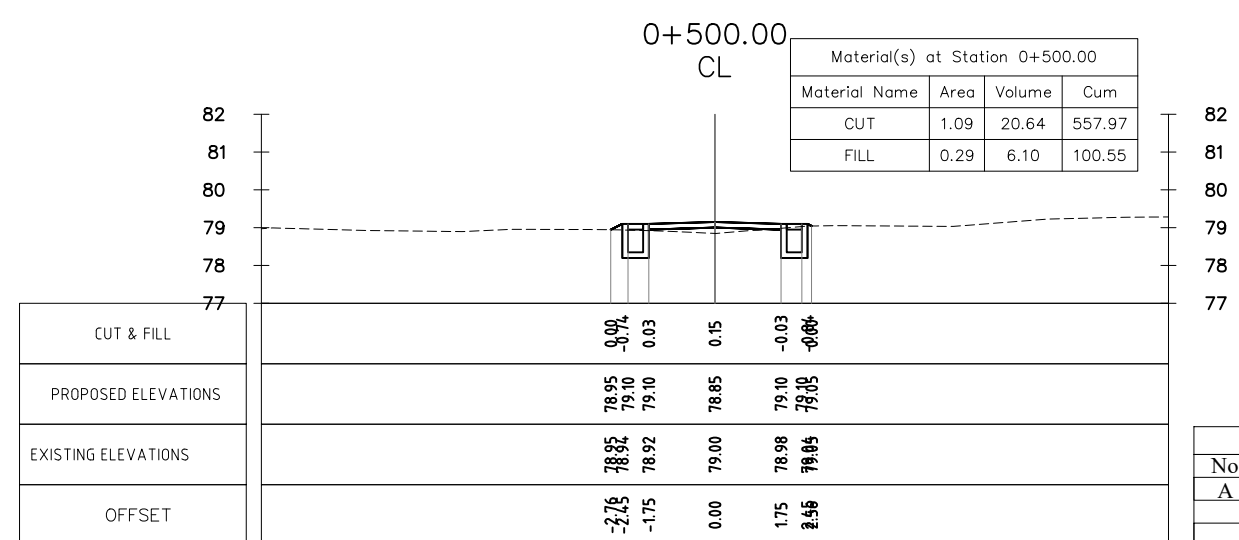
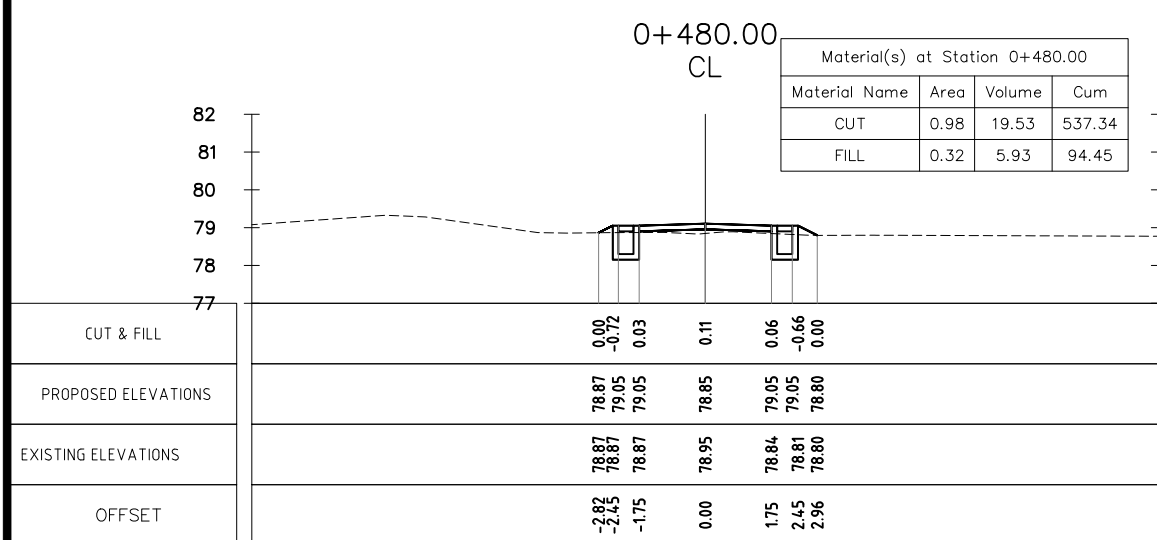
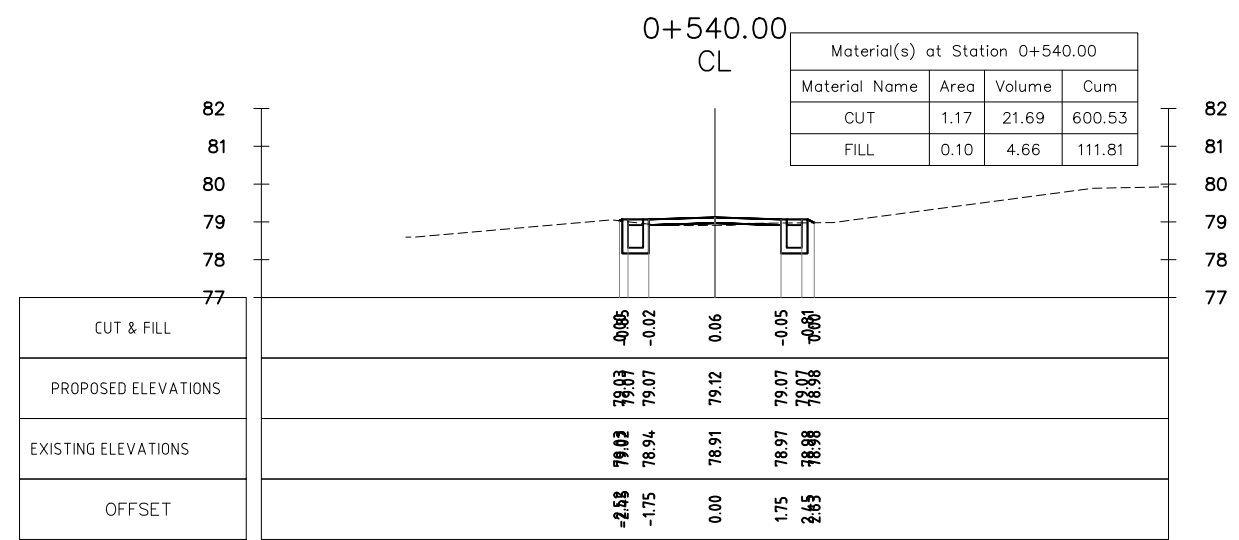
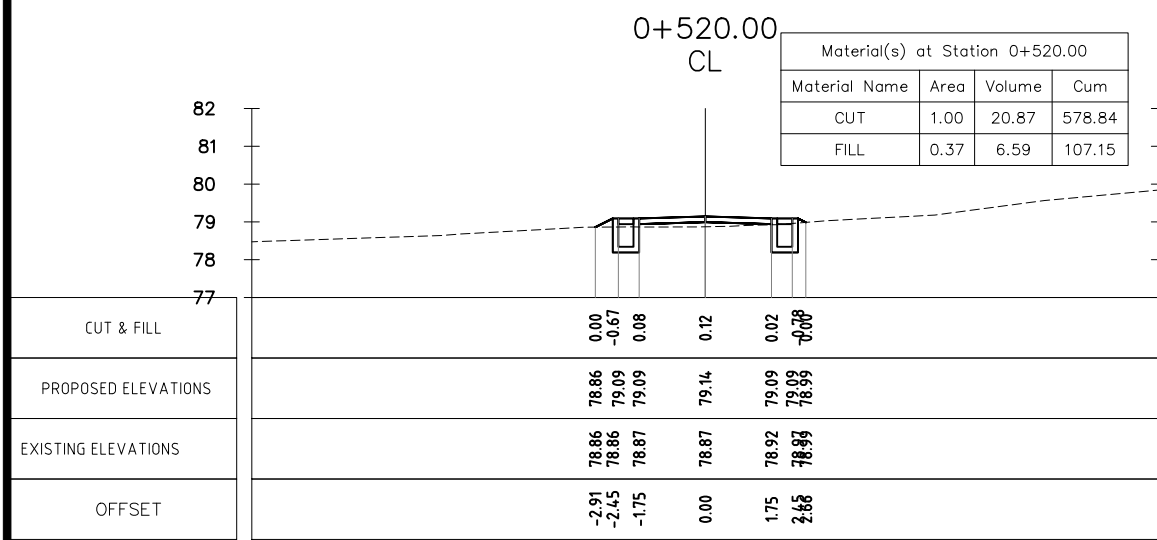
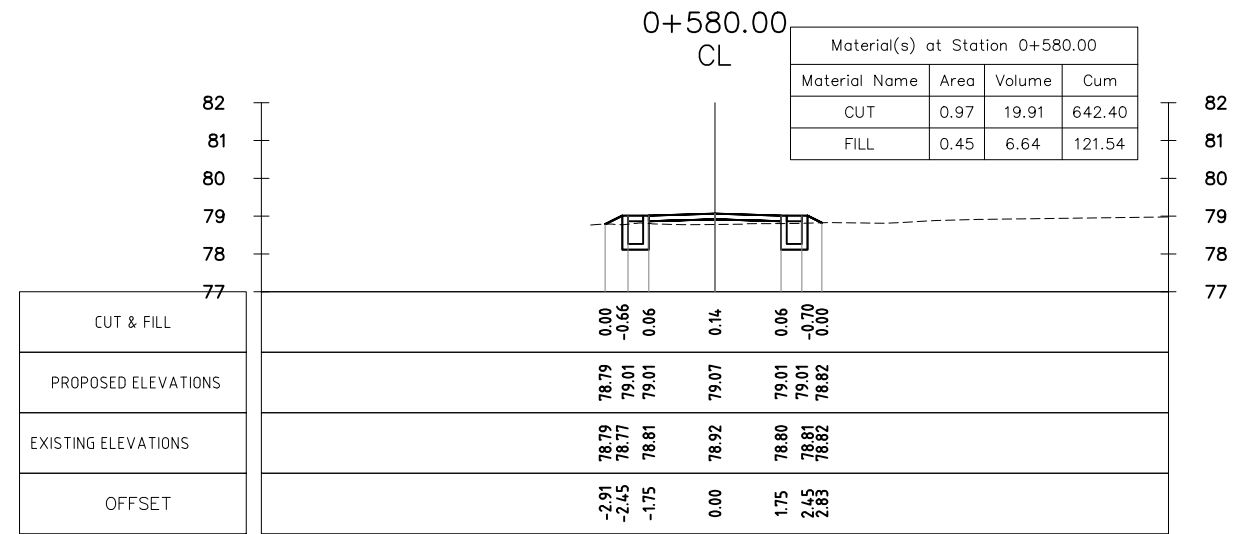
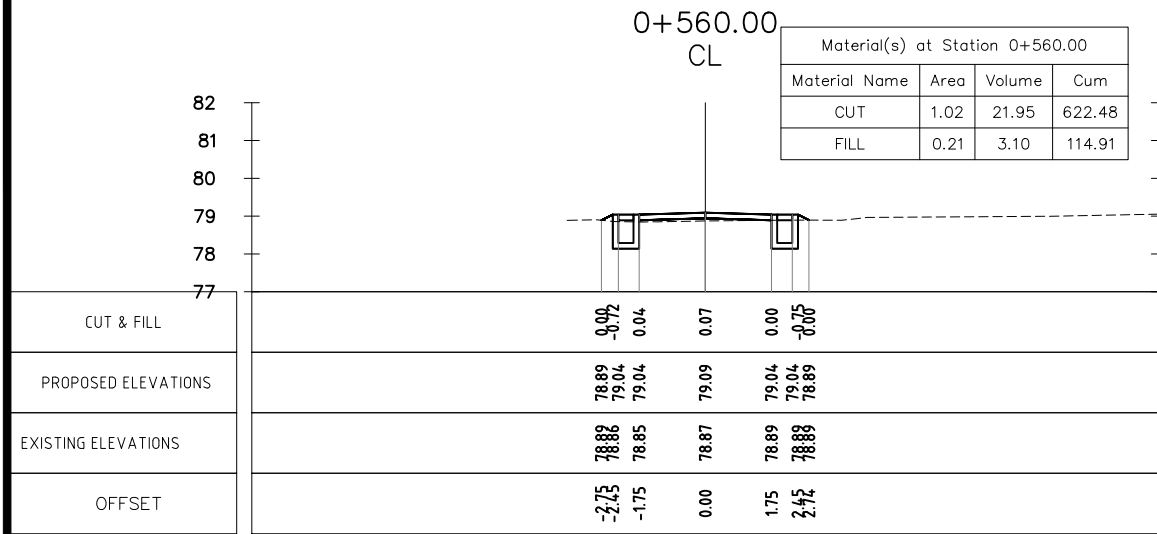





PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 0+360-0+460

SCALE IN A3: 1/200      DATE : \_\_\_\_\_      DRAWING No. : \_\_\_\_\_

LAO - NKS      C-202



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18





Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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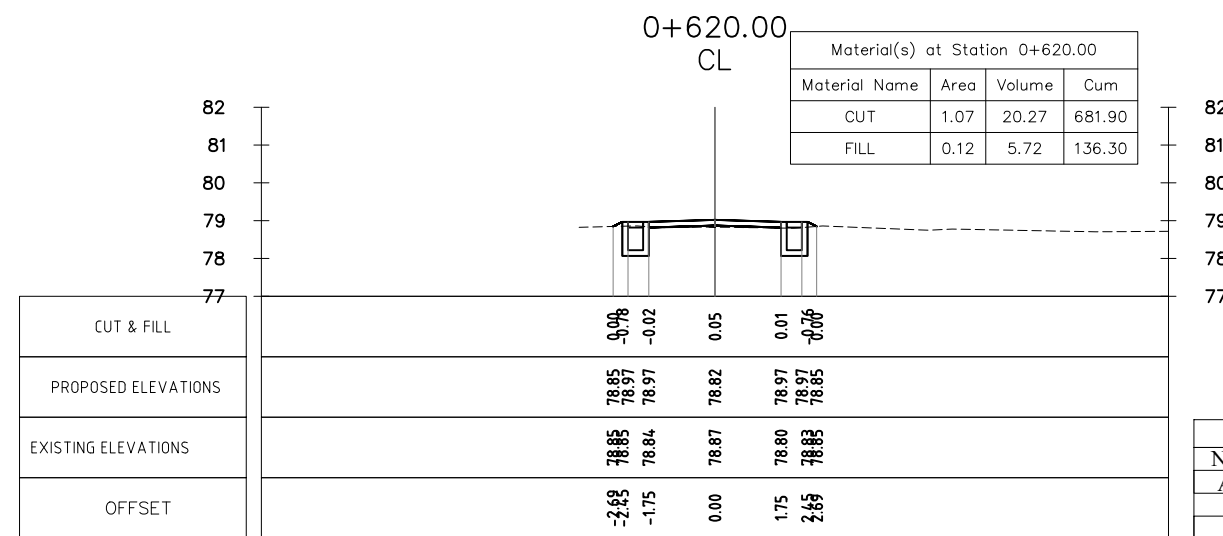
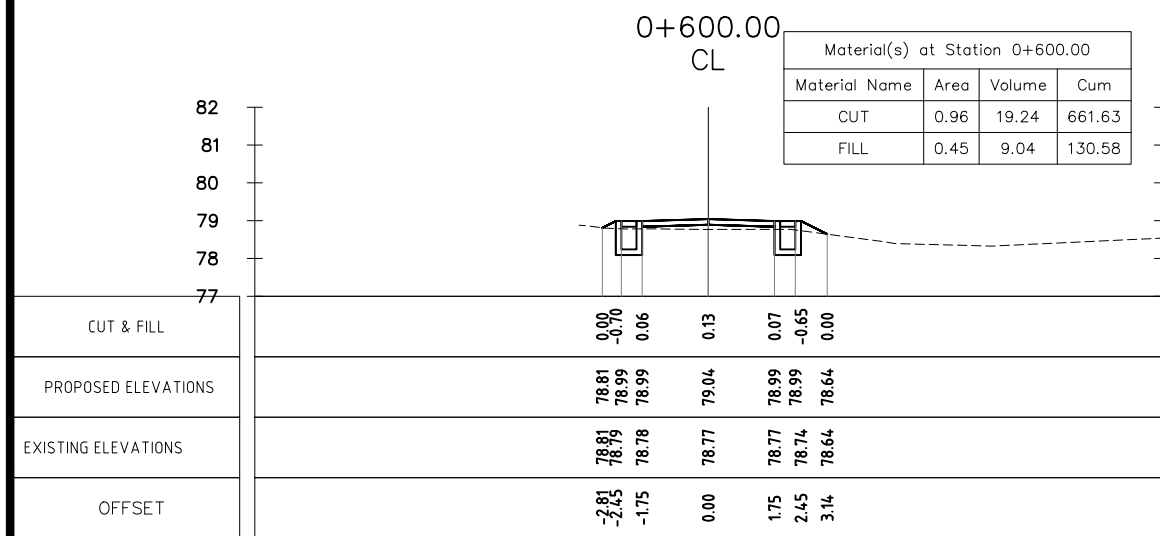
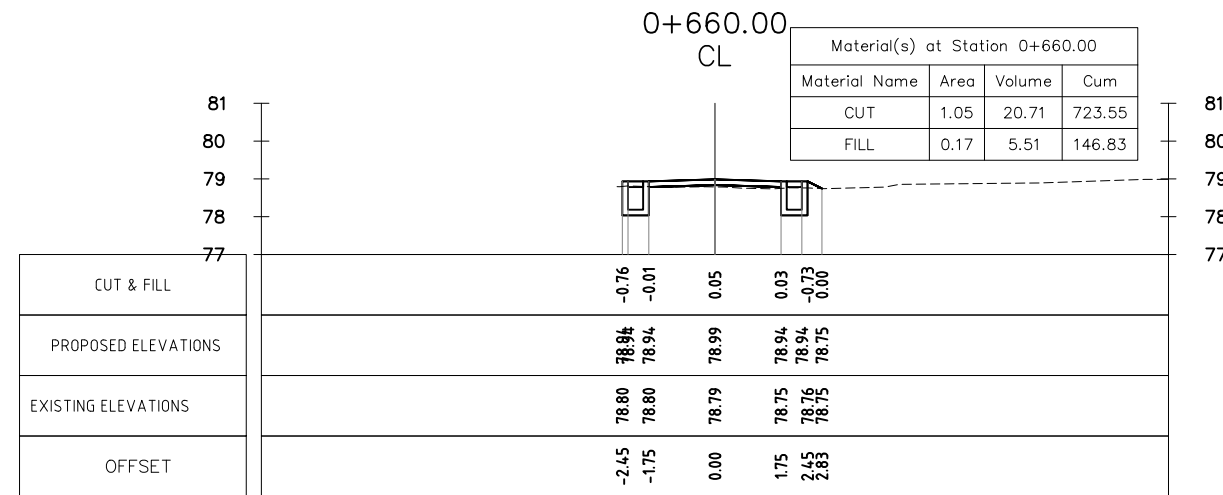
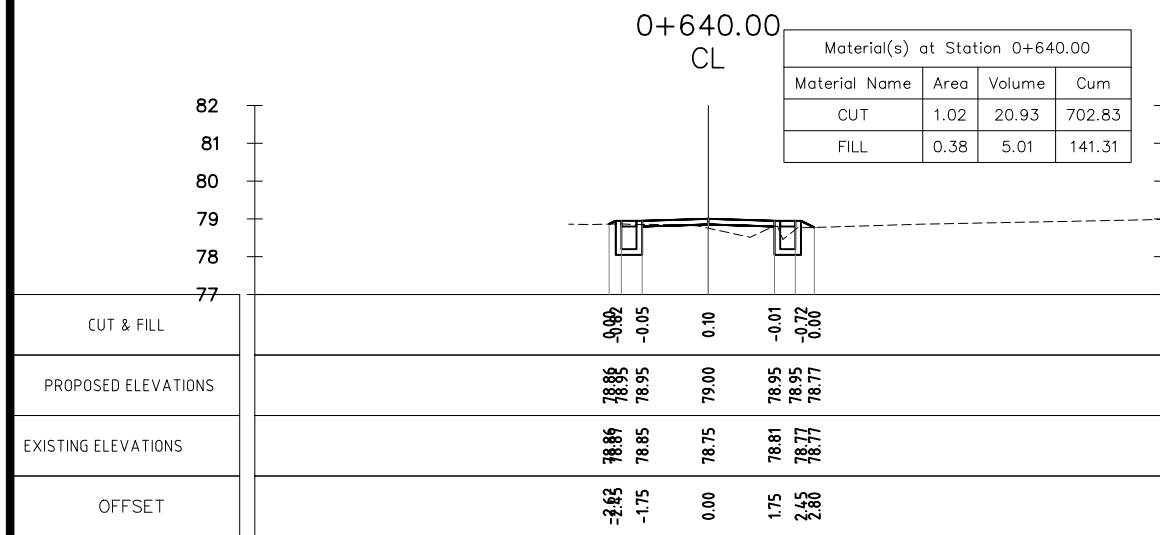
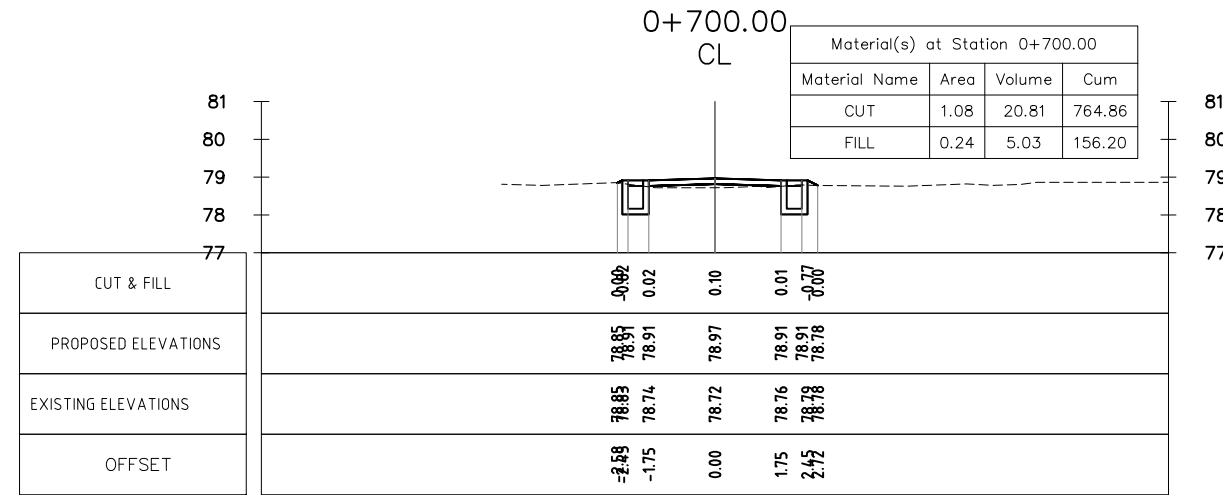
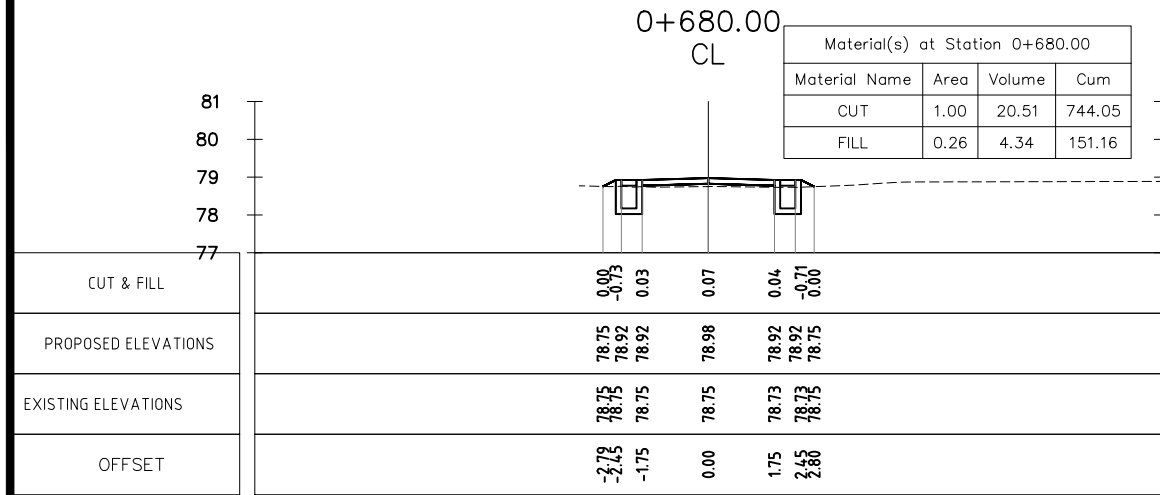
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 0+480-0+580

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-203
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

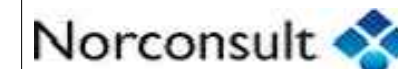
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 Checked: JEFJ  
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TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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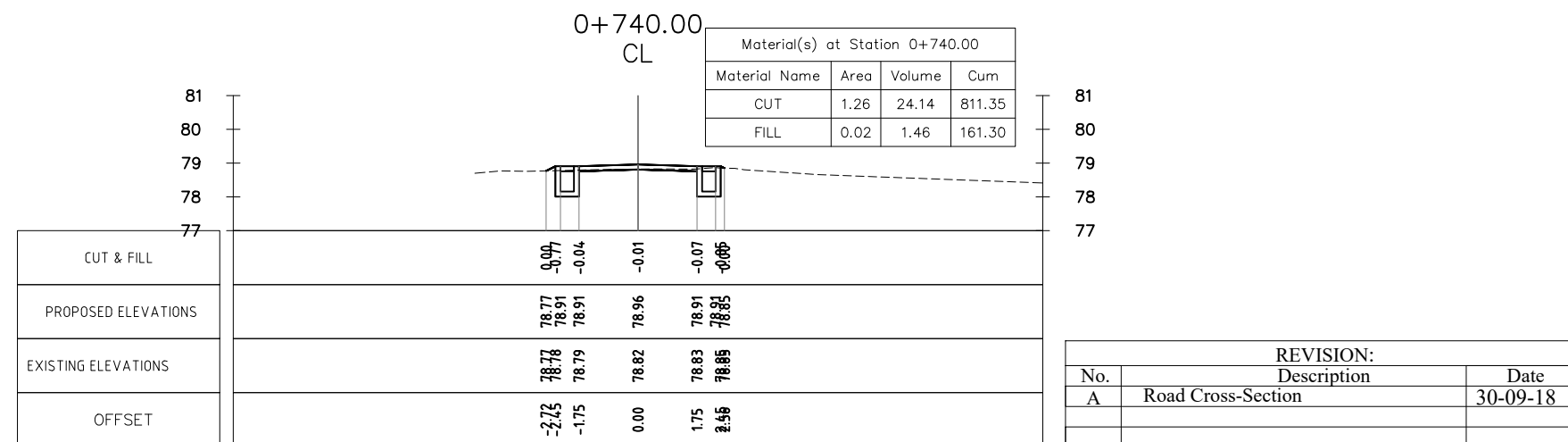
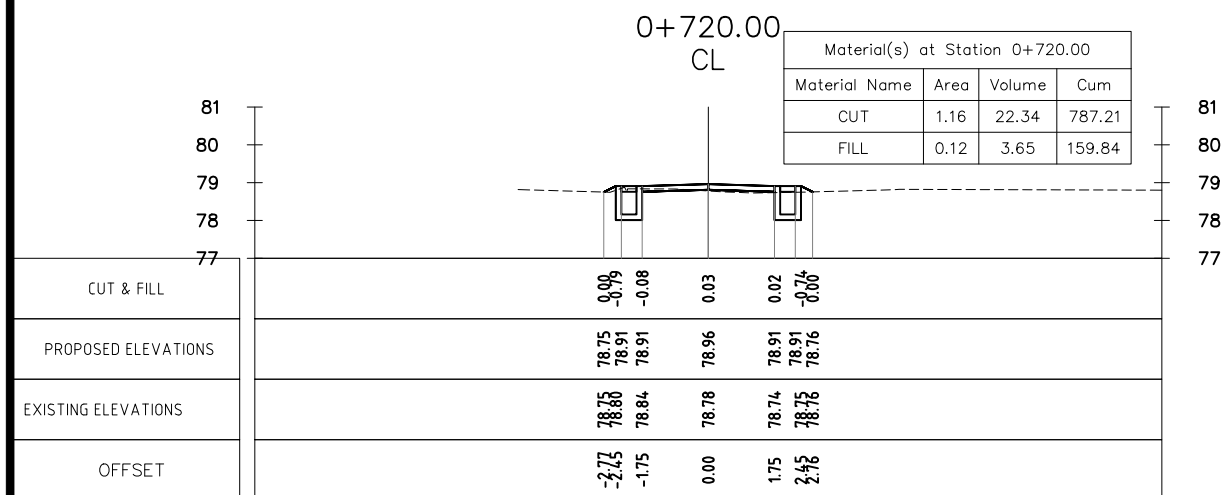
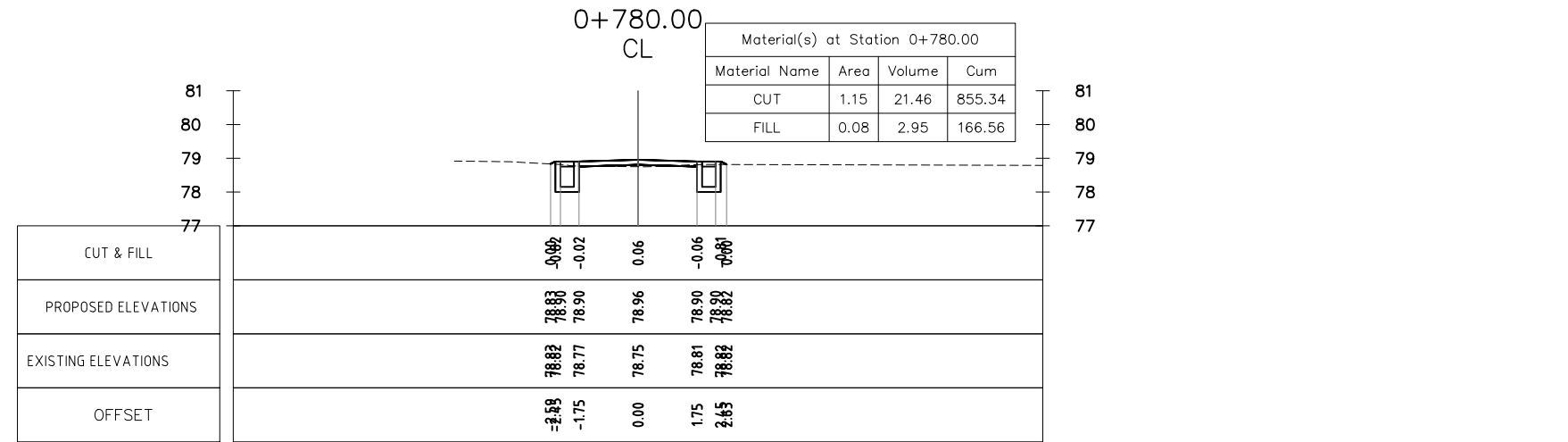
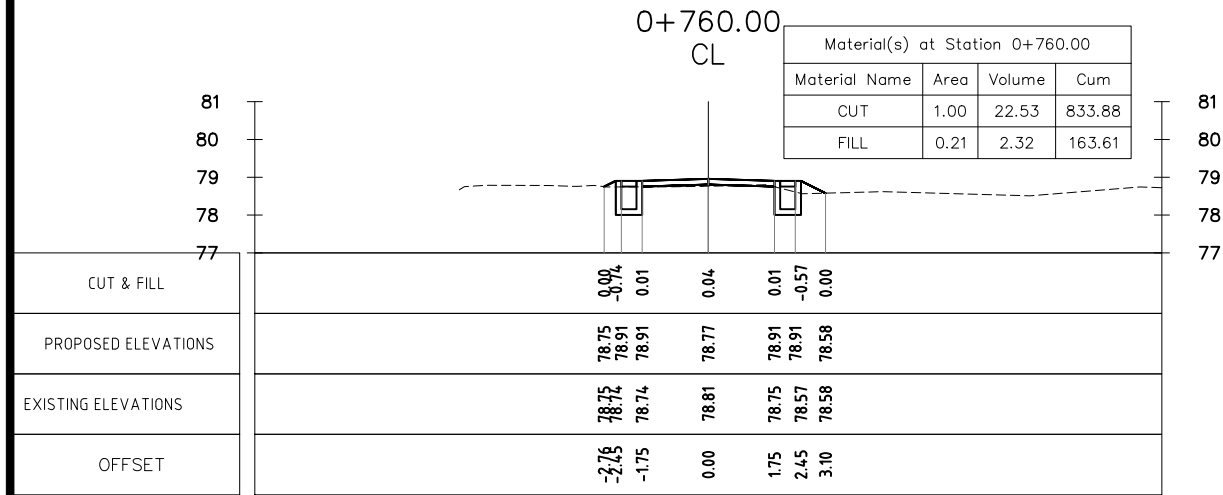
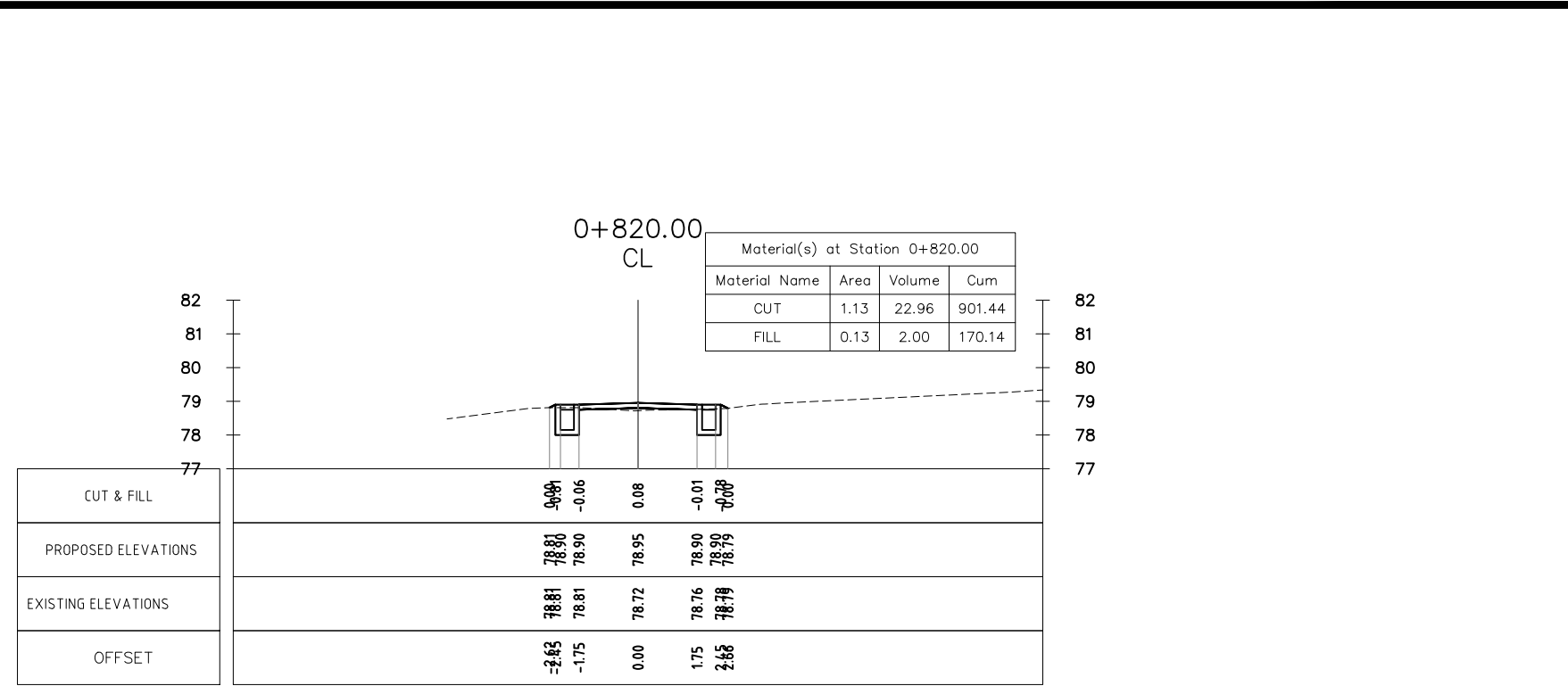
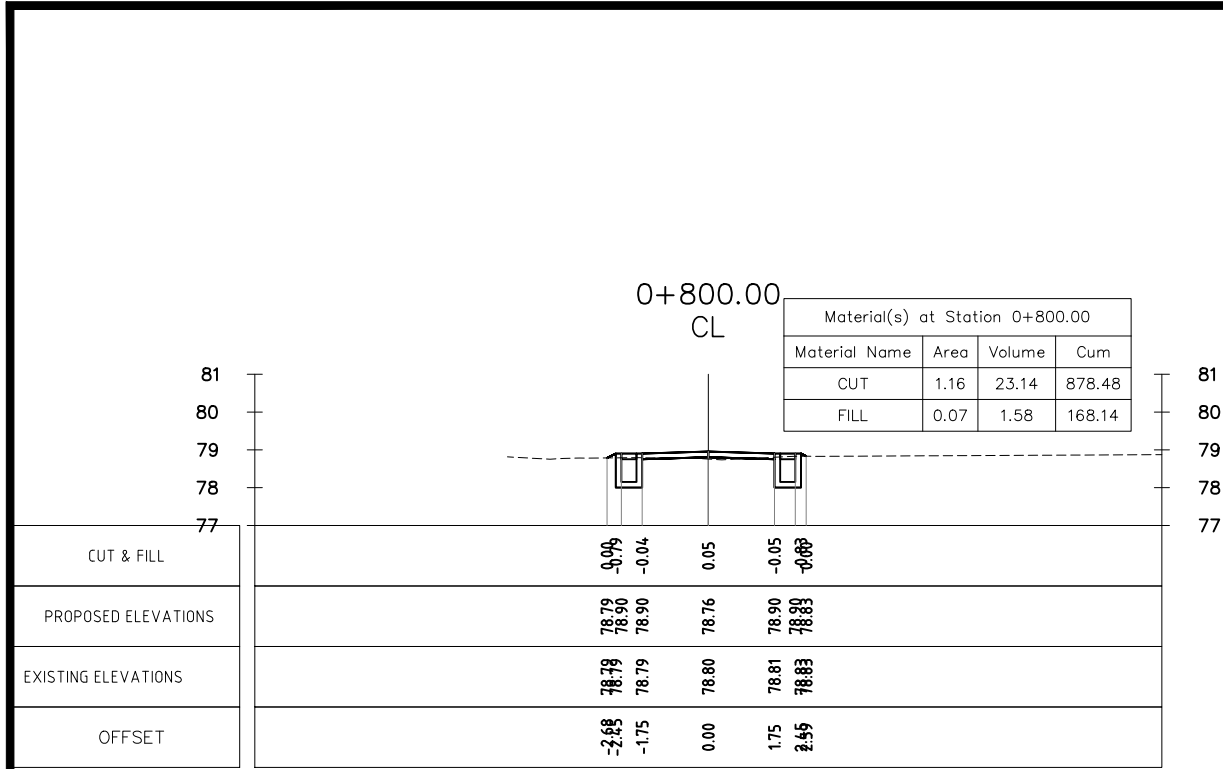
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 0+600-0+700

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-204
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

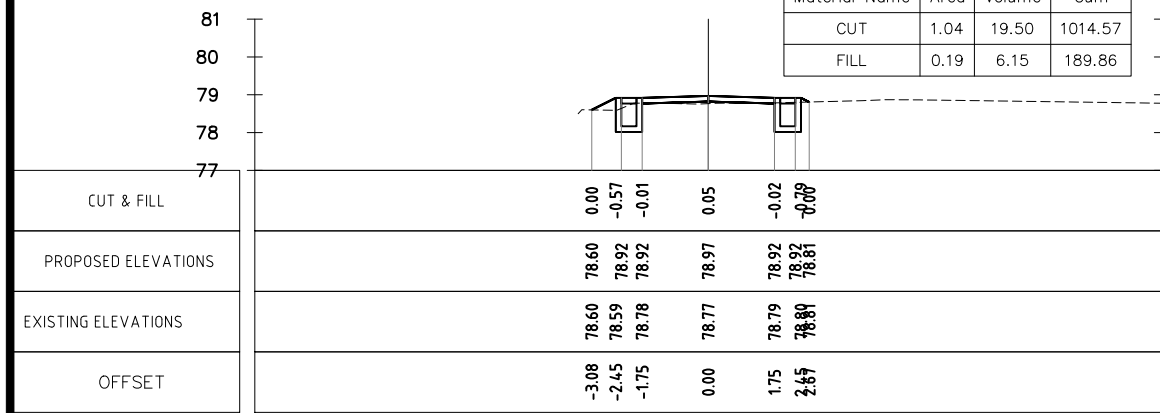
PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 0+720-0+820

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-205
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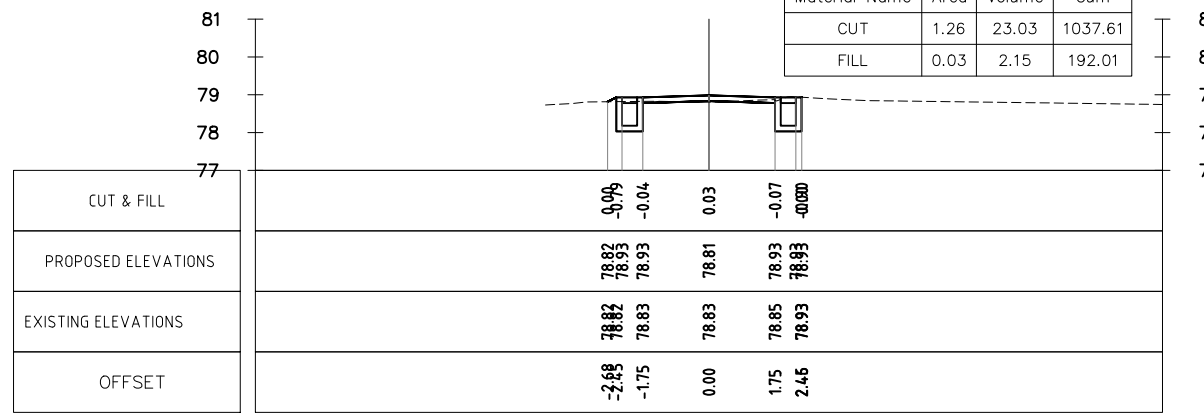
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CUT	1.04	19.50	1014.57
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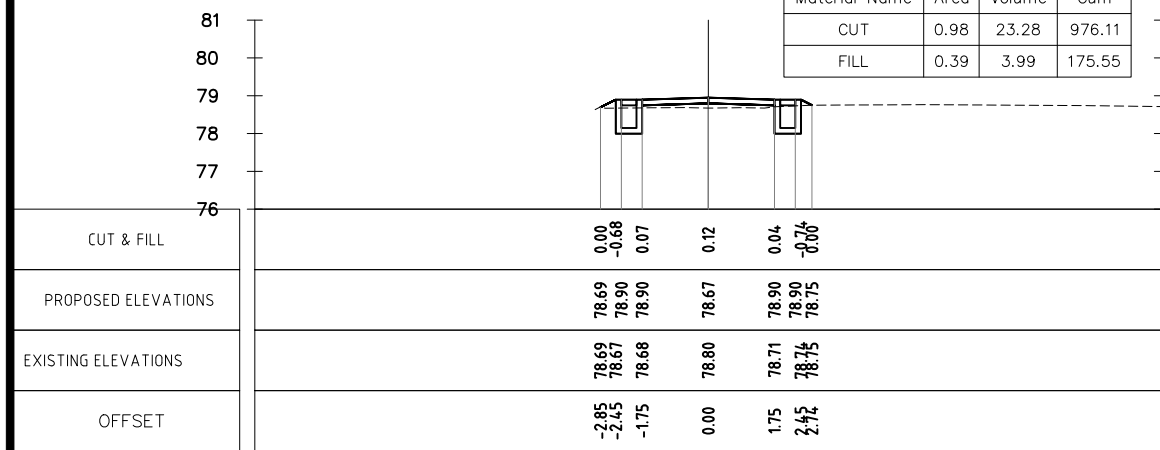
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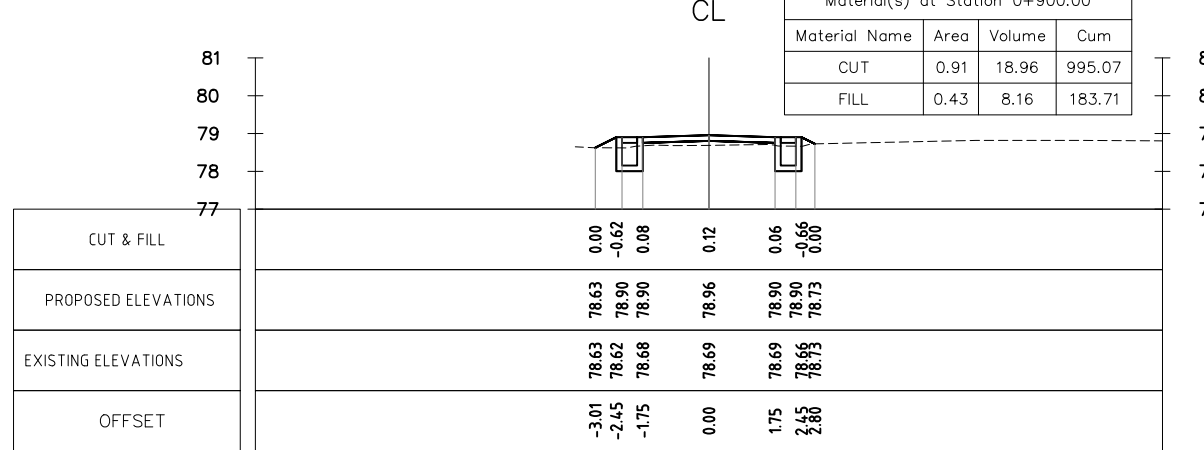
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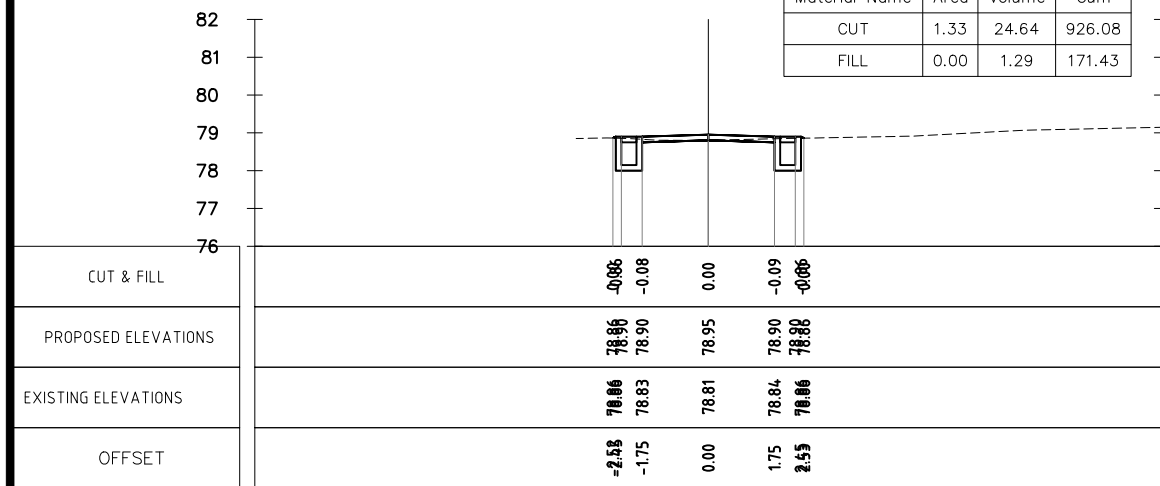
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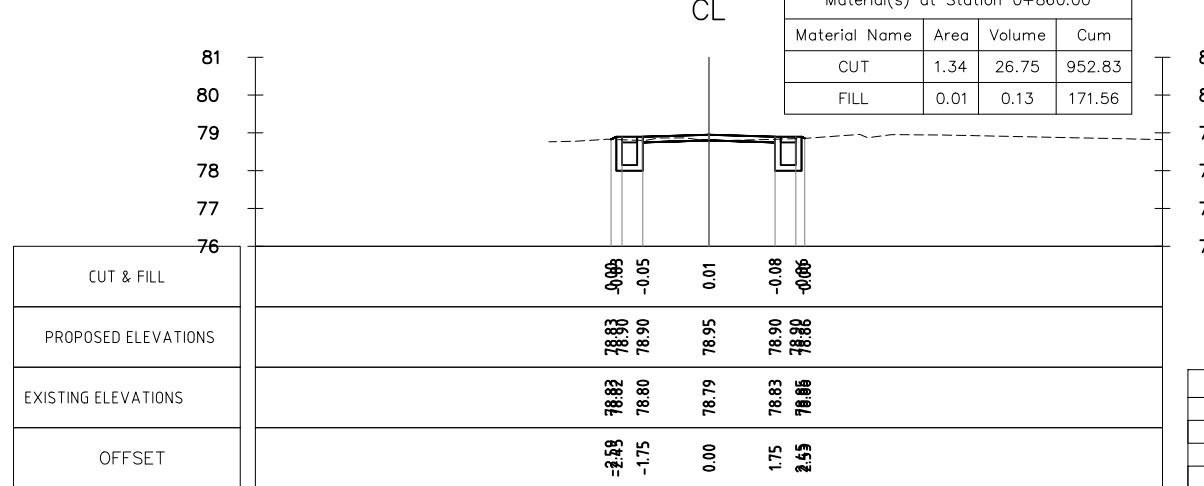
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Material(s) at Station 0+840.00			
Material Name	Area	Volume	Cum
CUT	1.33	24.64	926.08
FILL	0.00	1.29	171.43



0+860.00  
CL

Material(s) at Station 0+860.00			
Material Name	Area	Volume	Cum
CUT	1.34	26.75	952.83
FILL	0.01	0.13	171.56



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:

DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR



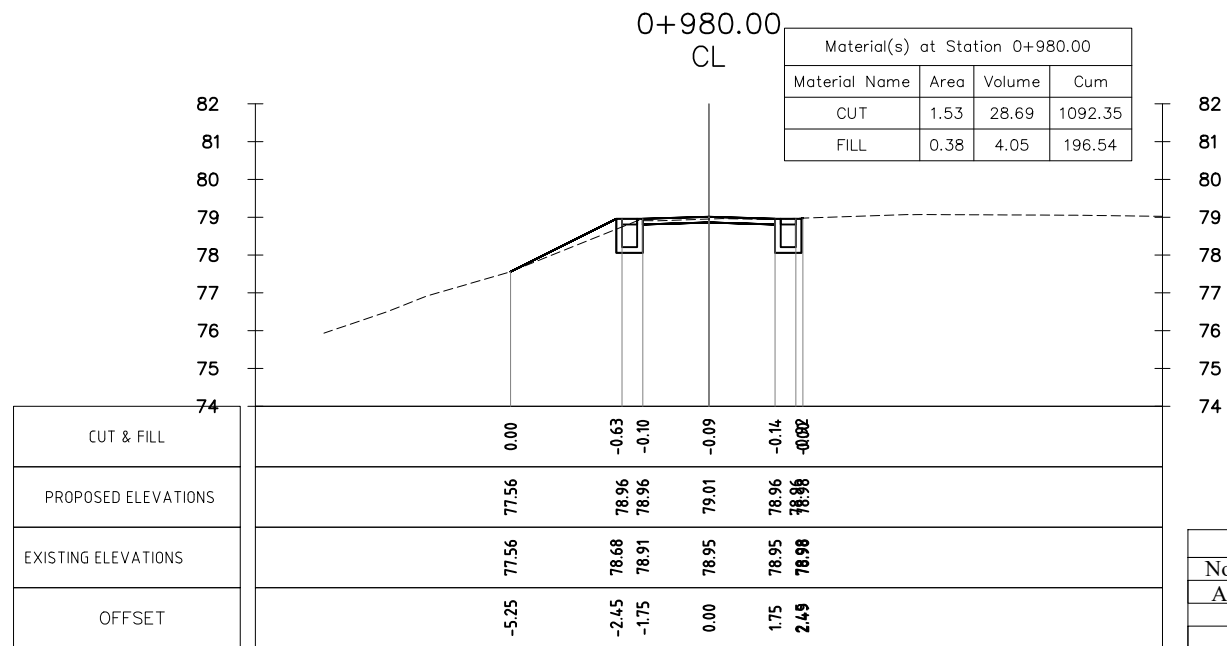
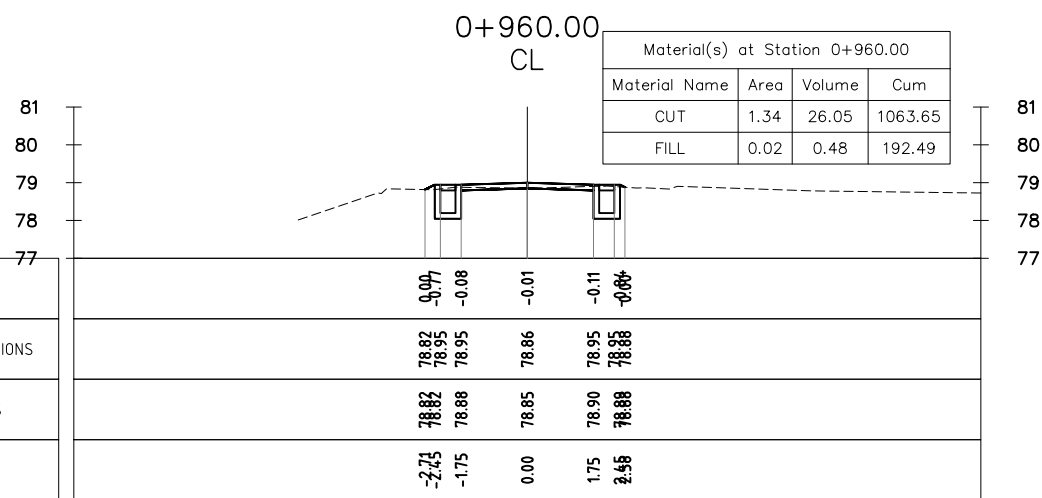
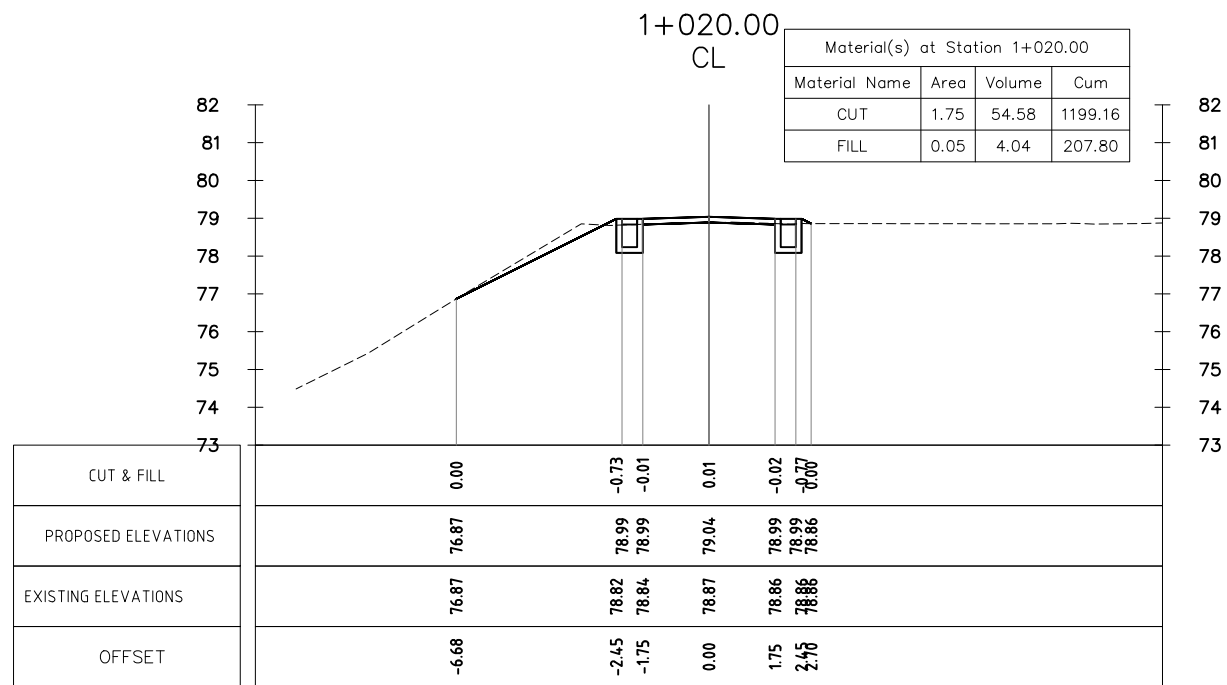
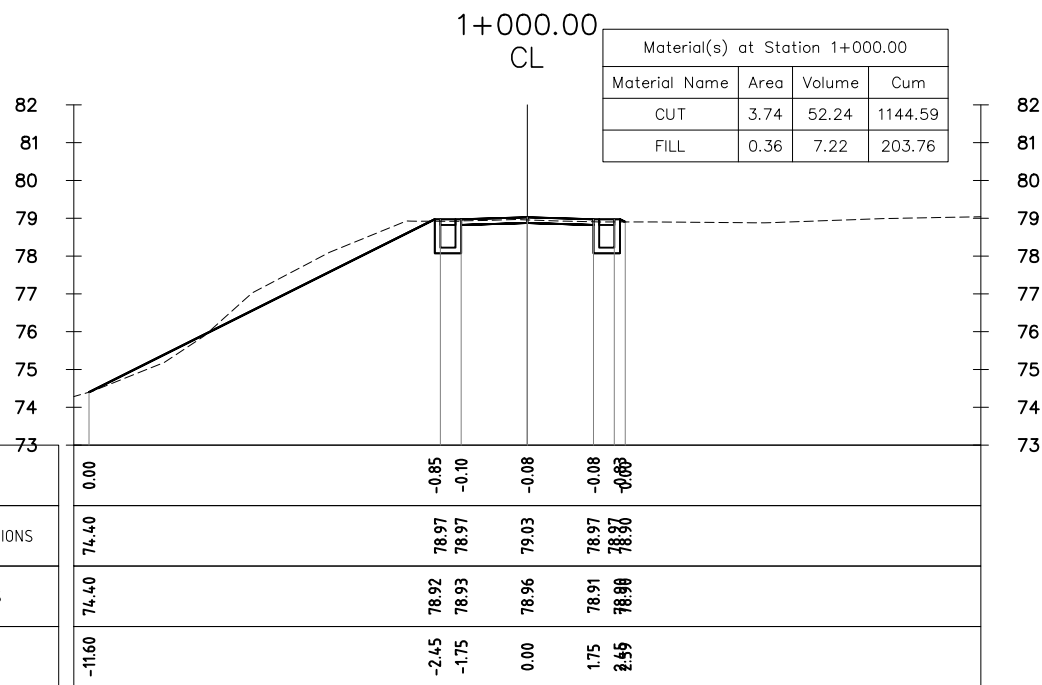
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 0+840-0+940

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-206
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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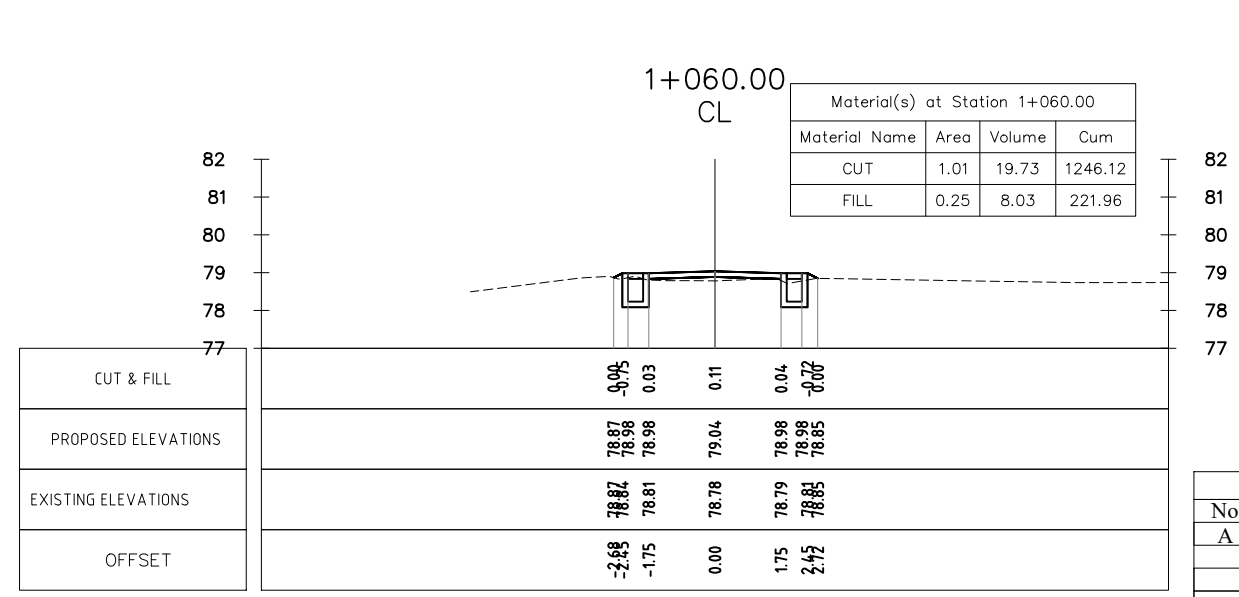
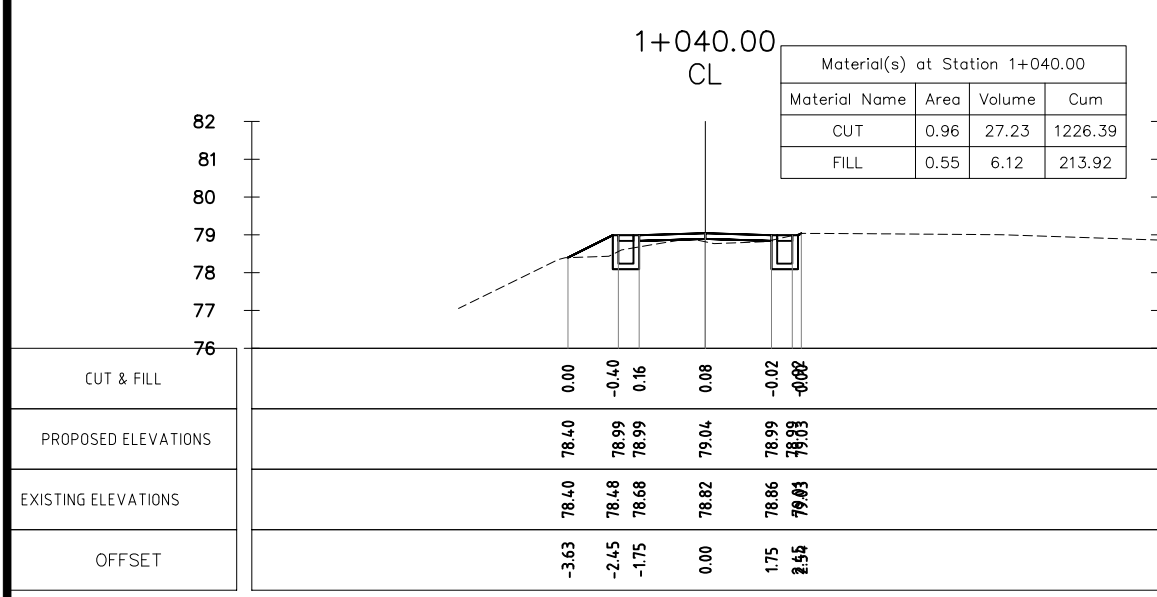
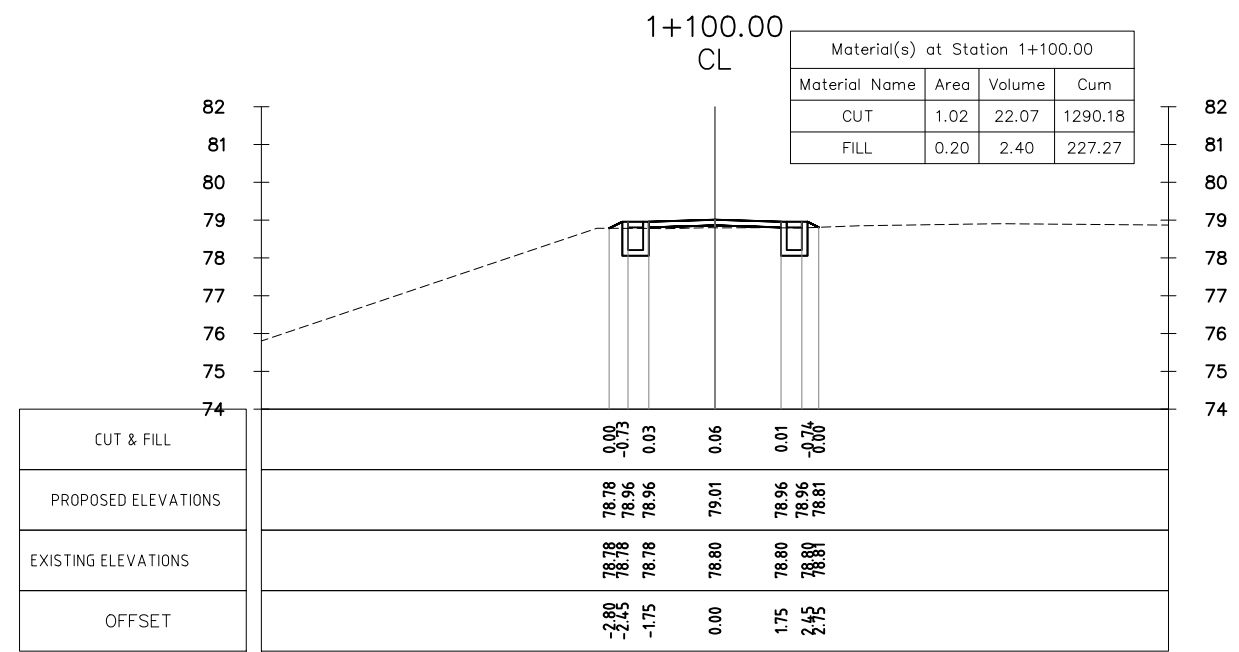
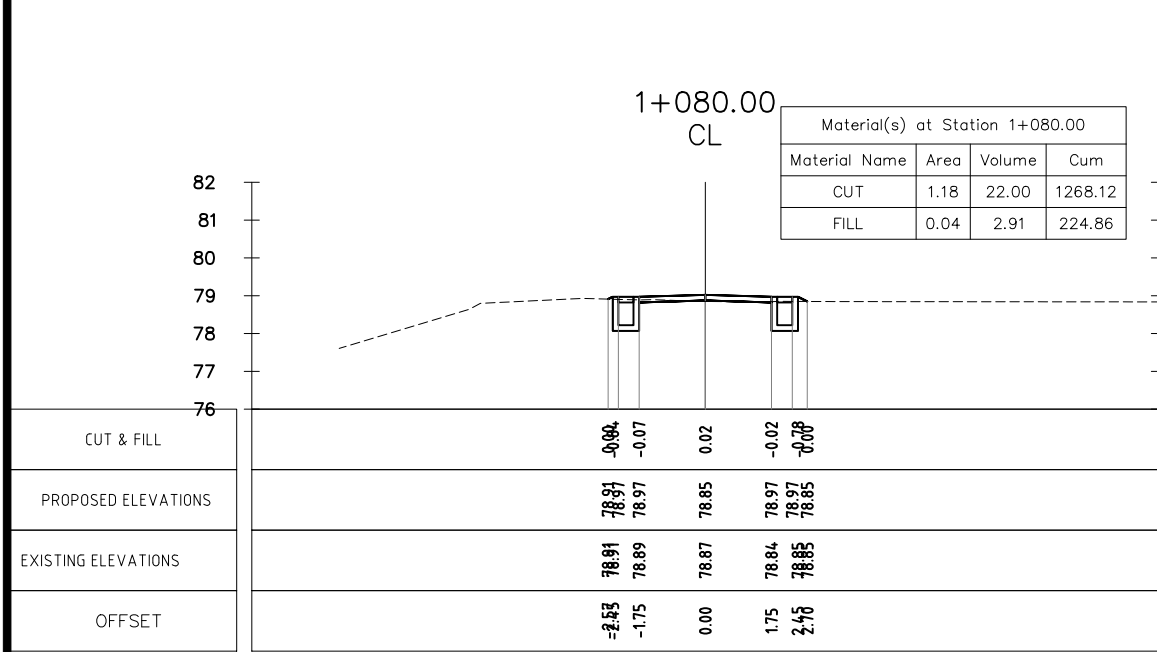
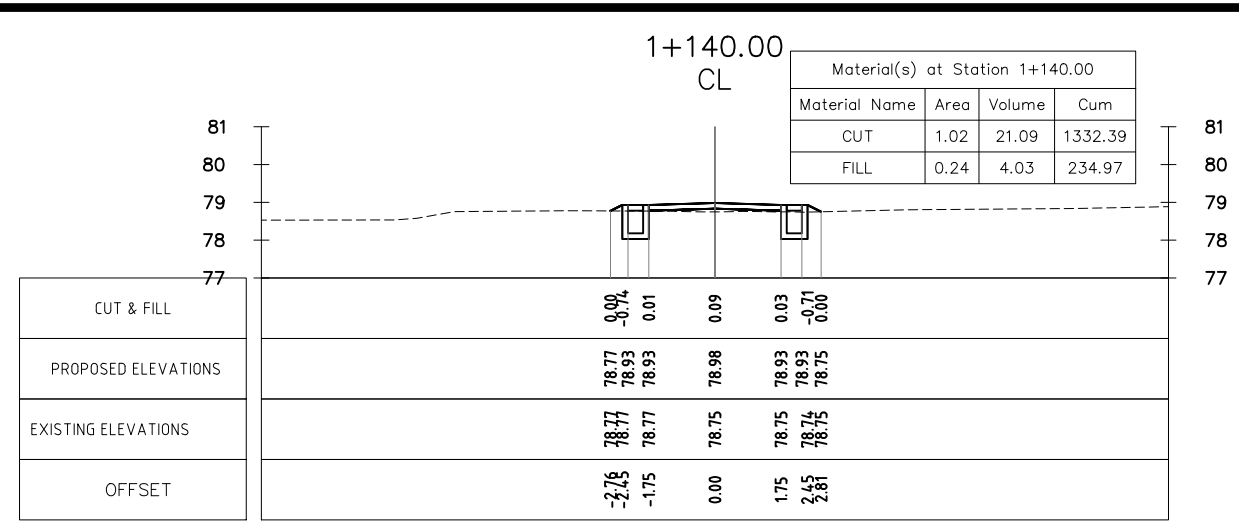
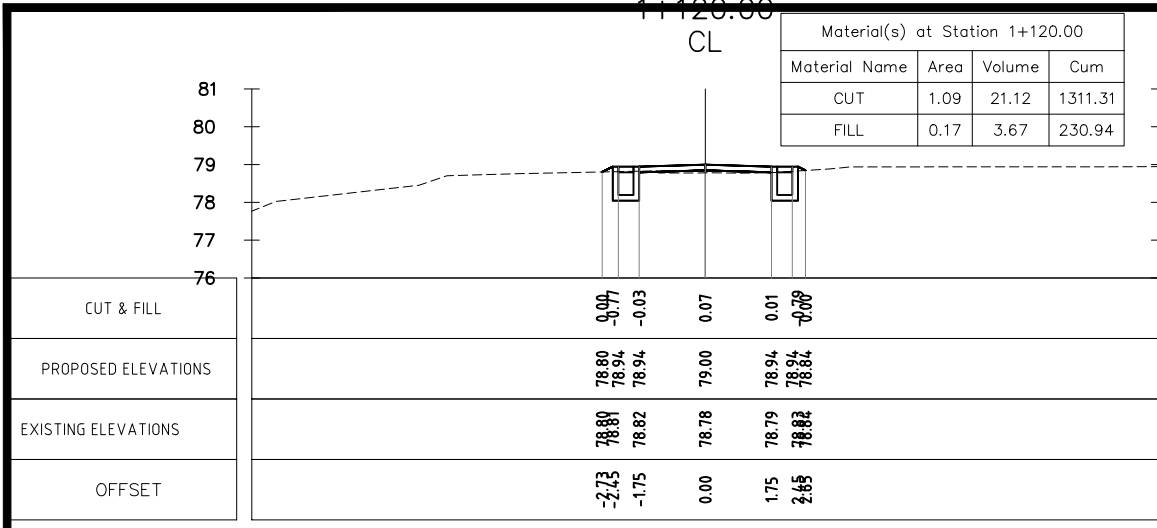
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 0+960-1+020

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-207
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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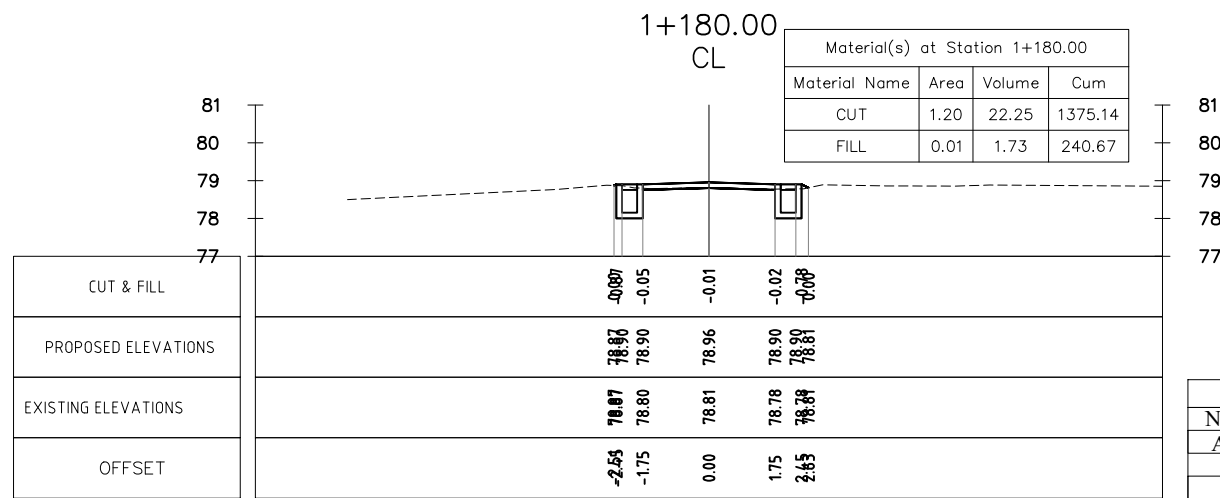
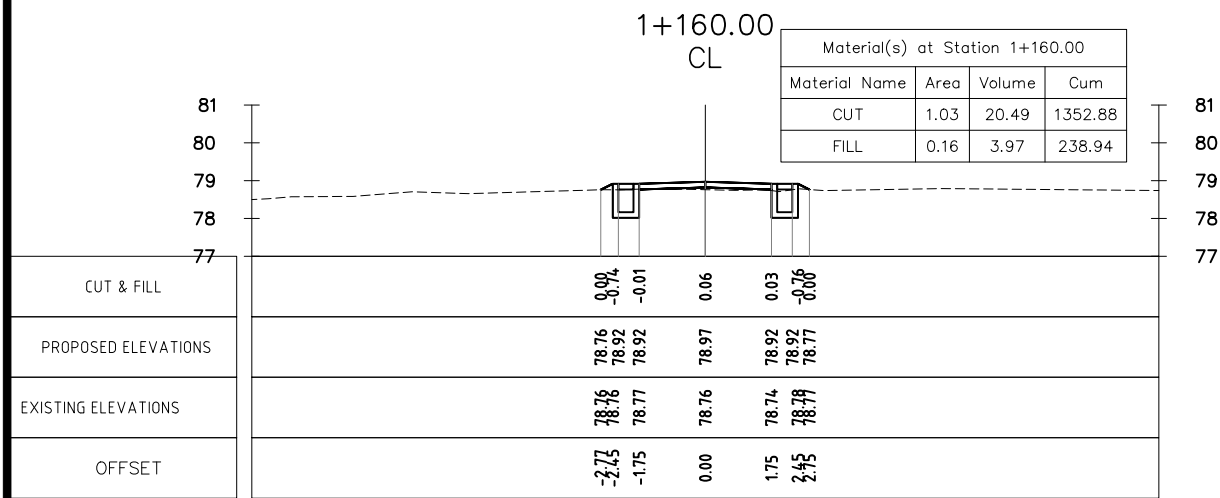
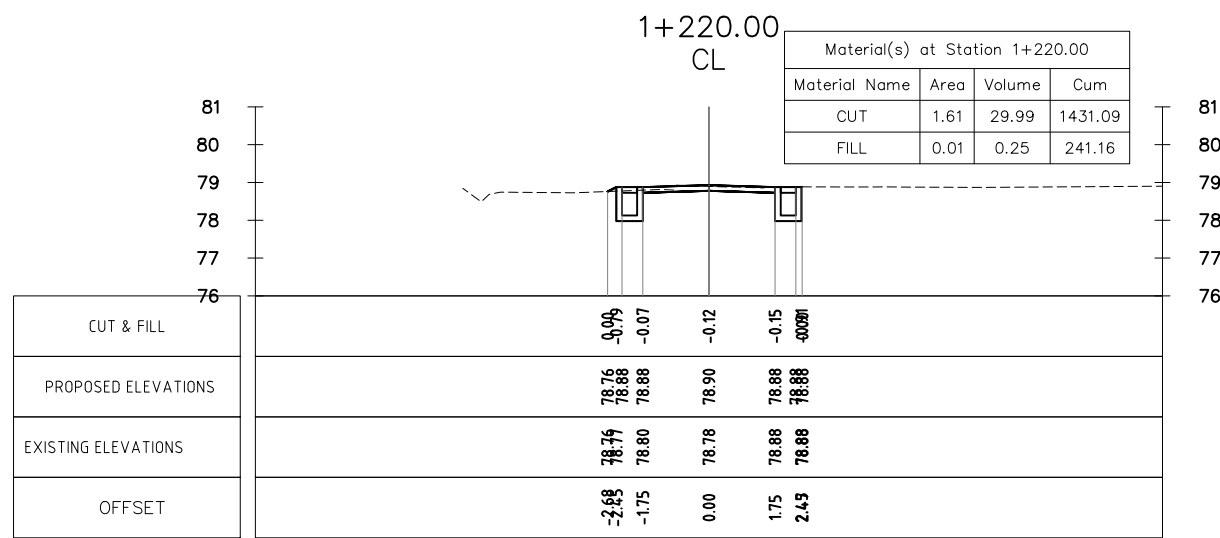
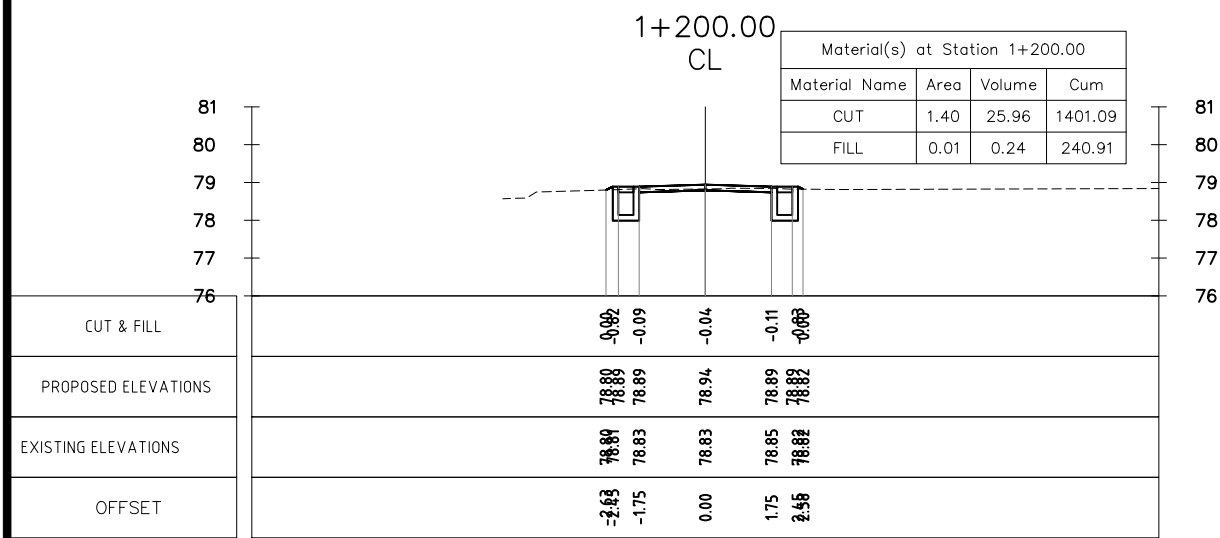
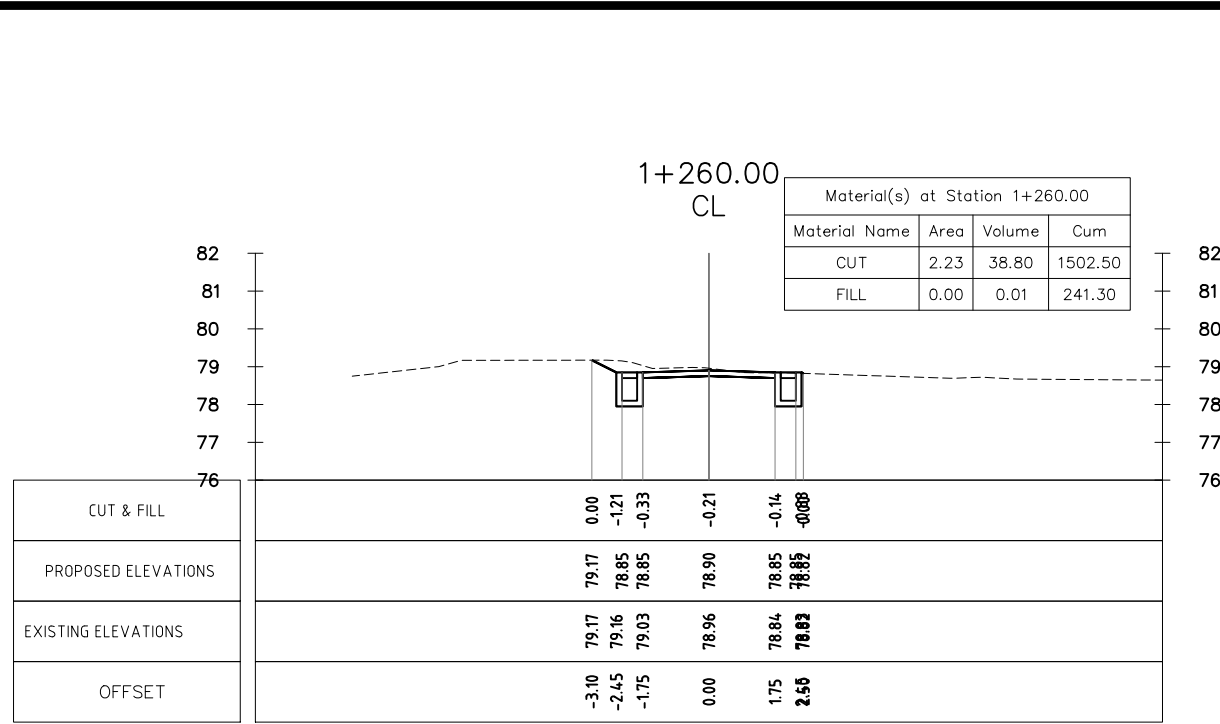
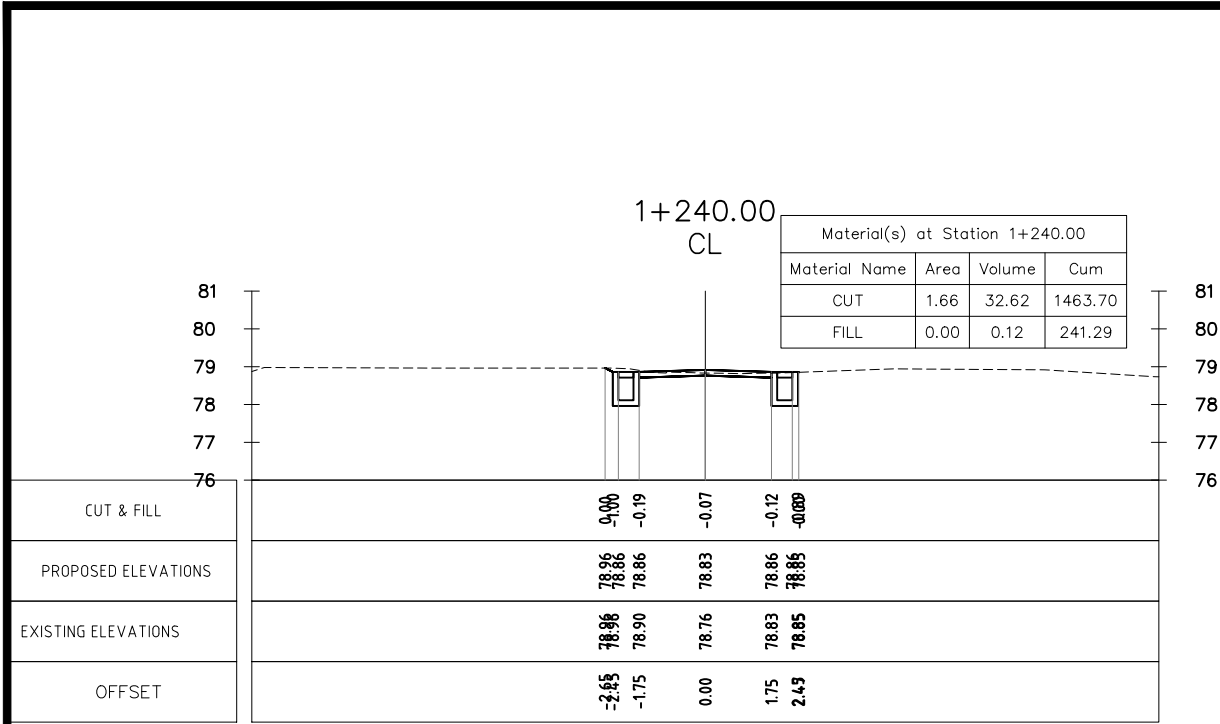
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 1+040-1+140

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-208
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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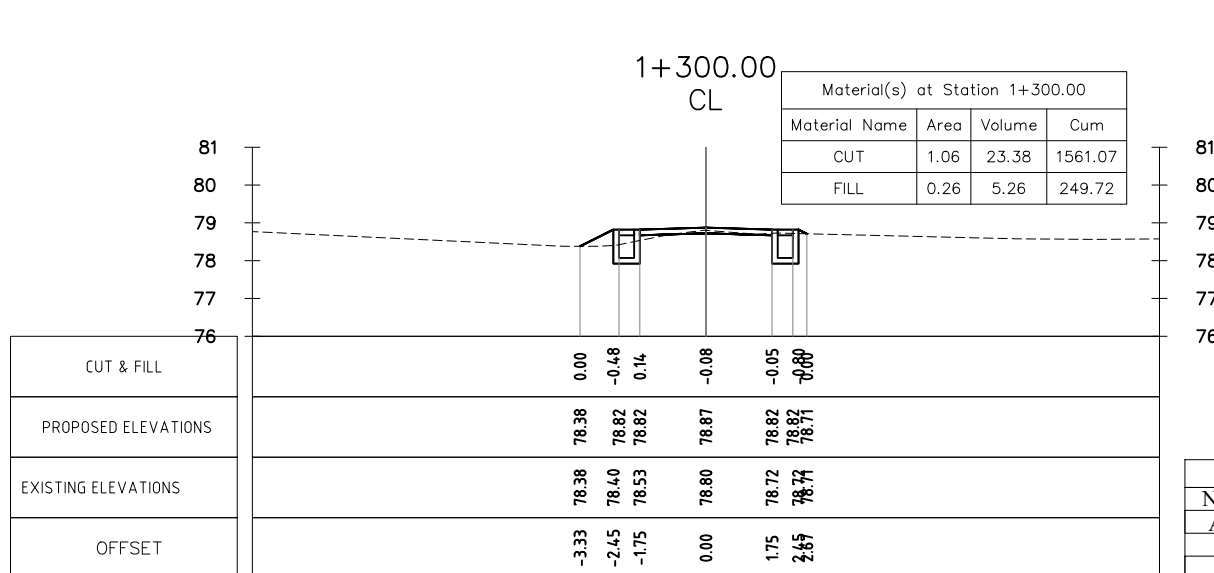
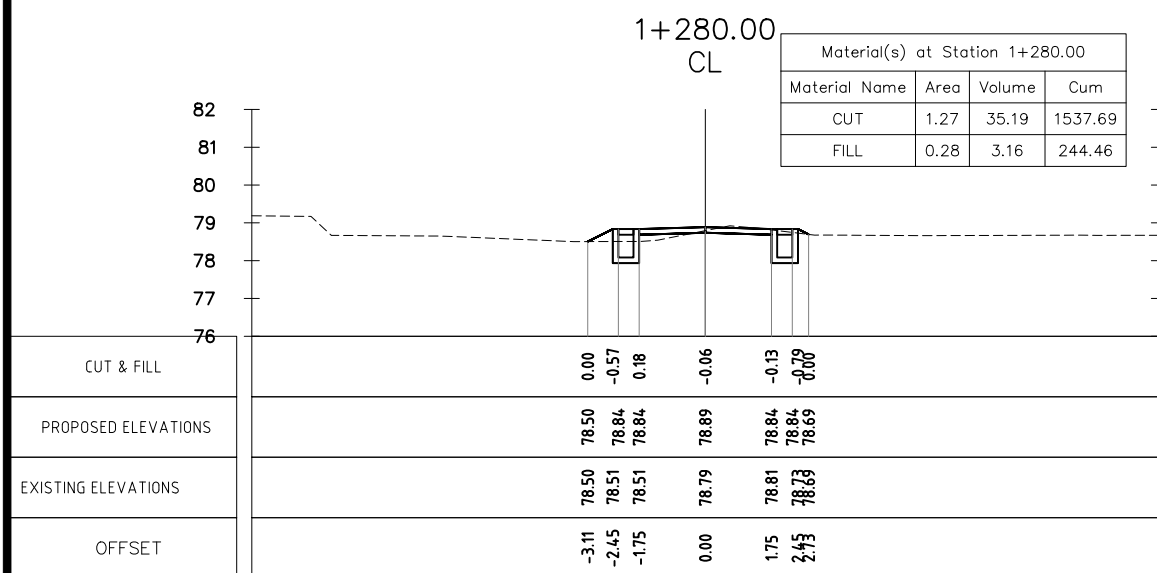
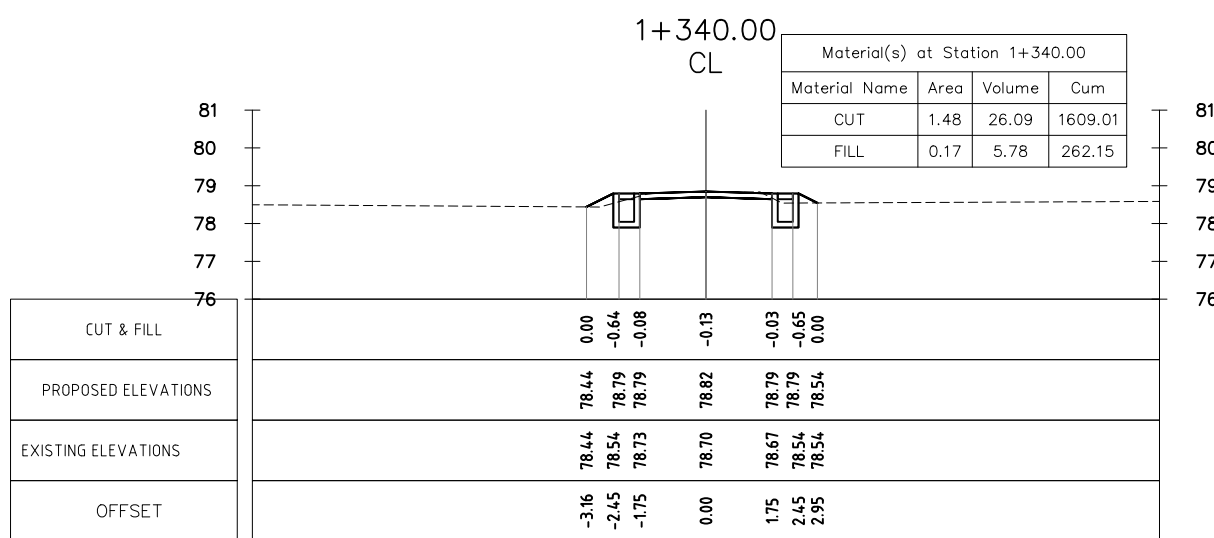
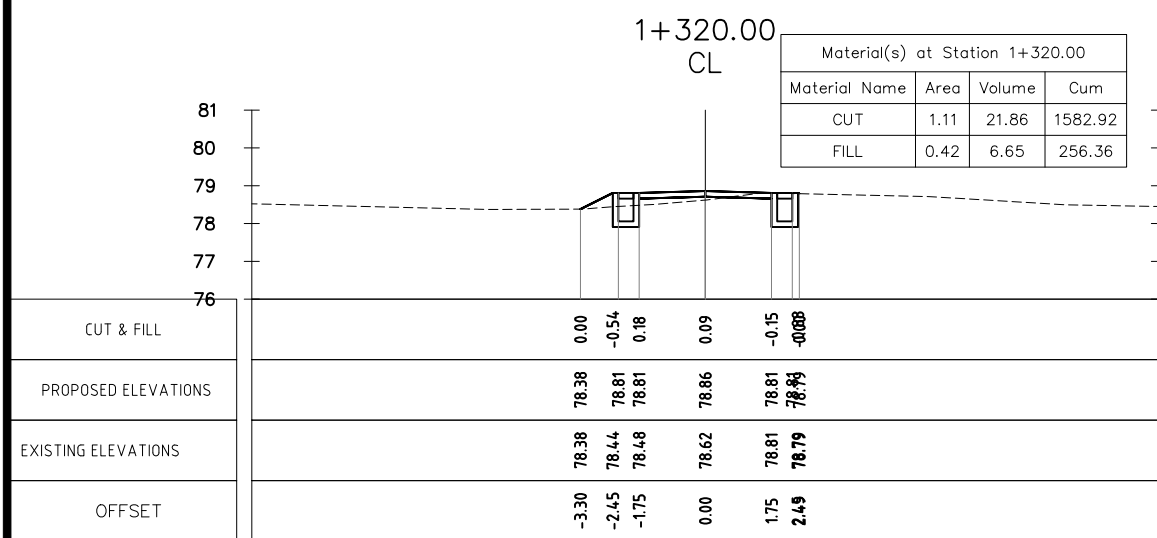
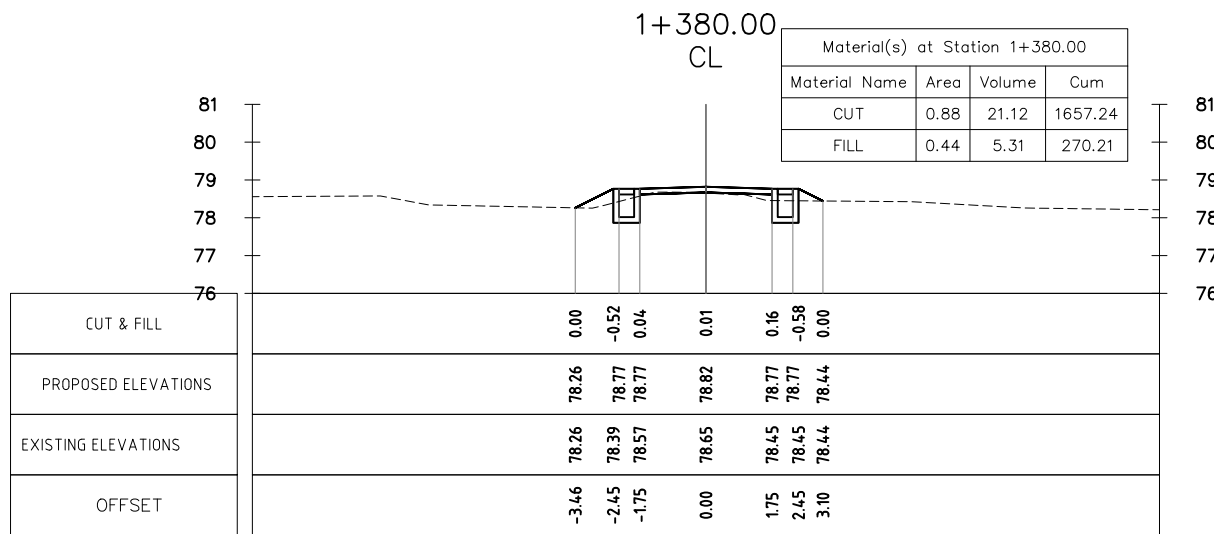
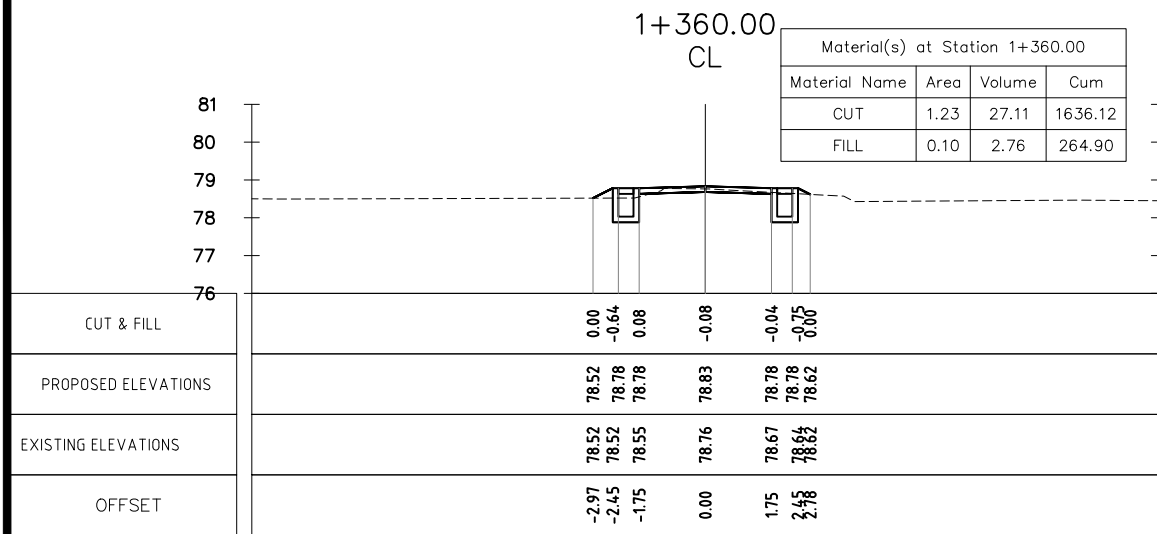
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 1+160-1+260

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-209
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

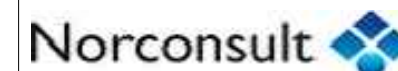
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 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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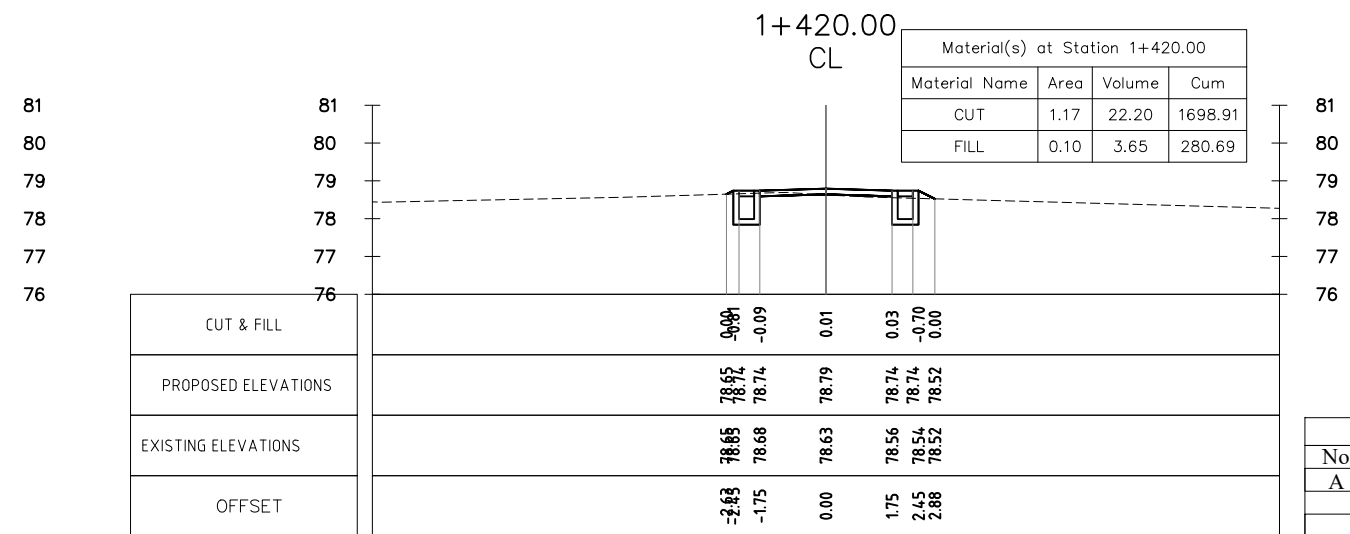
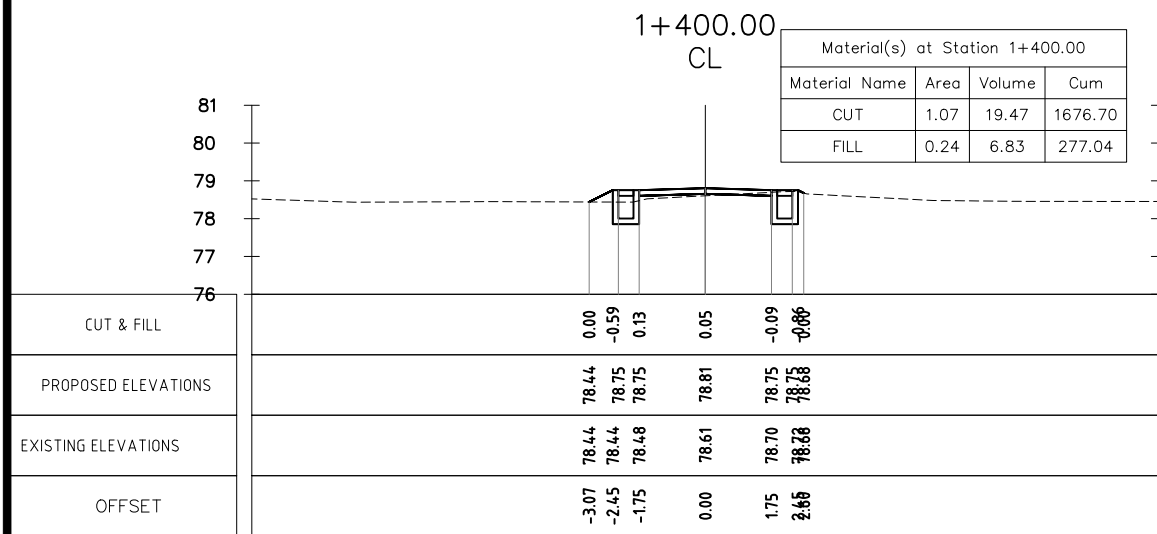
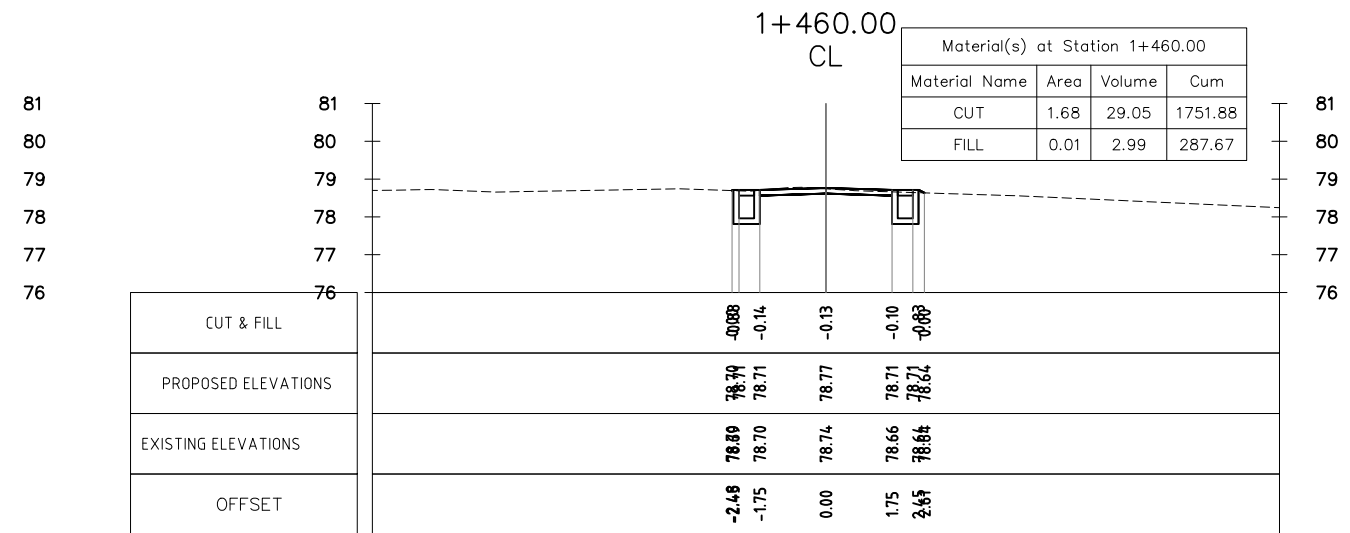
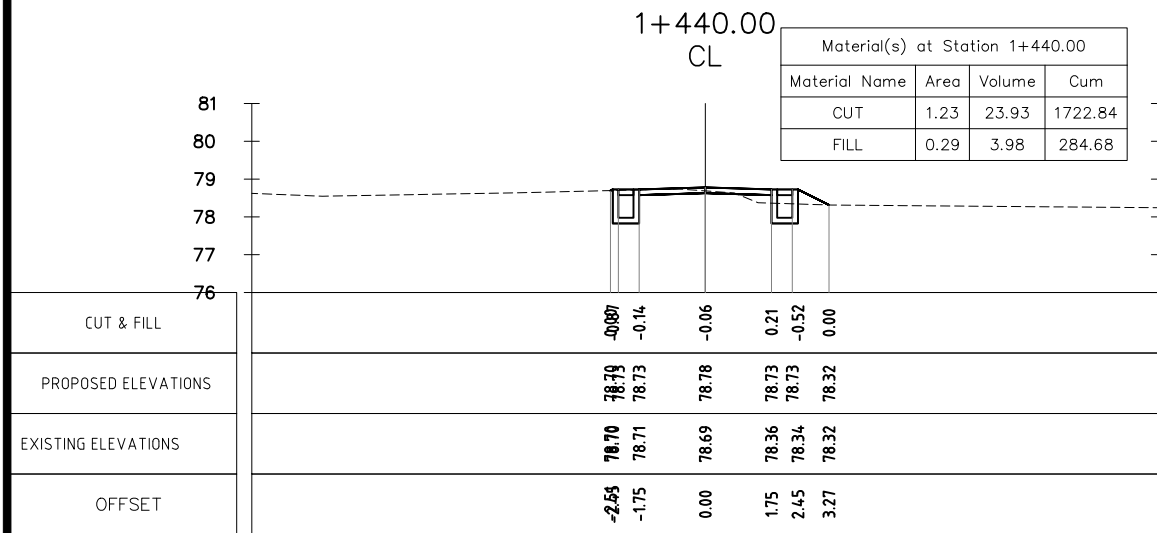
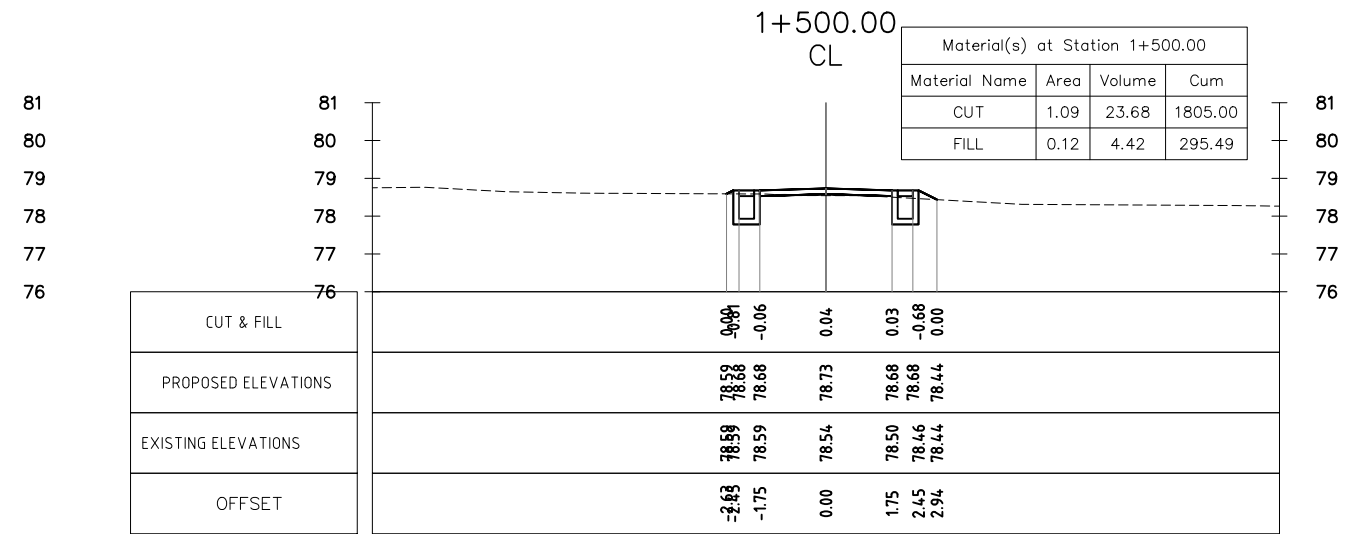
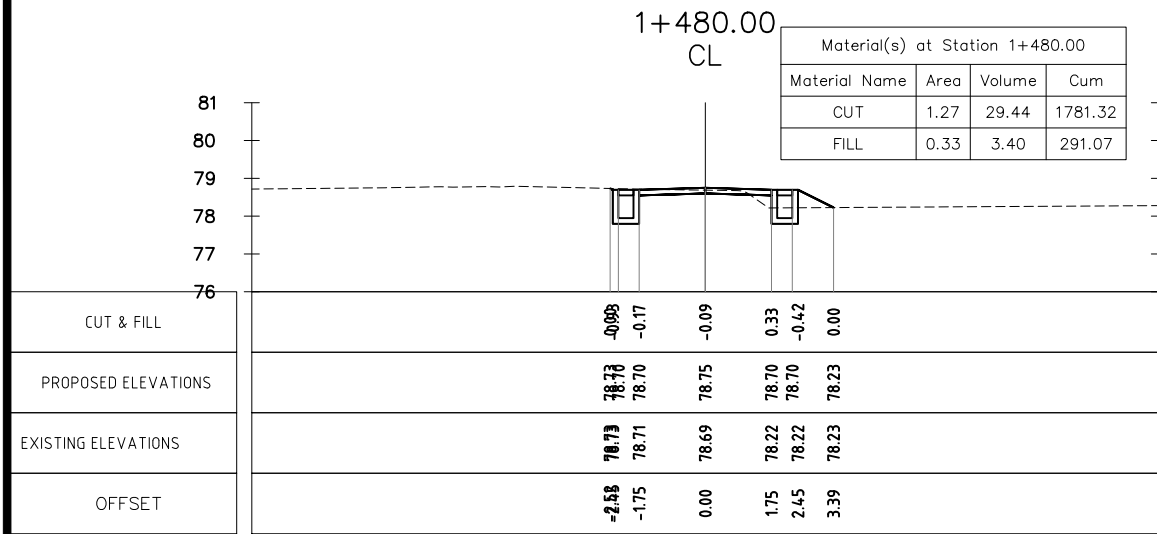
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 1+280-1+380

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-210
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
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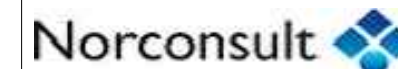
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DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



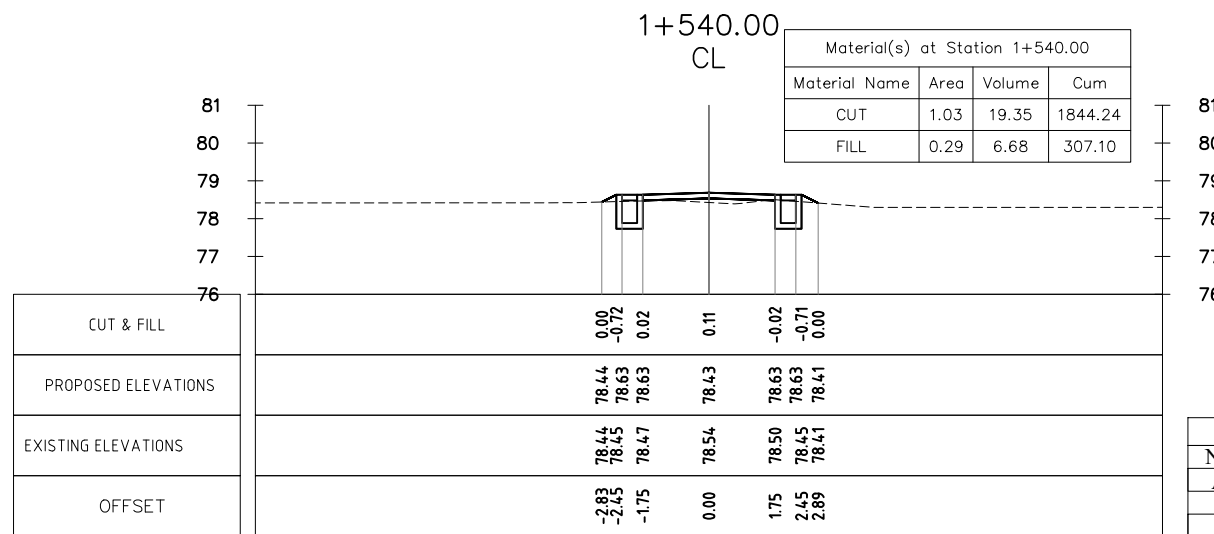
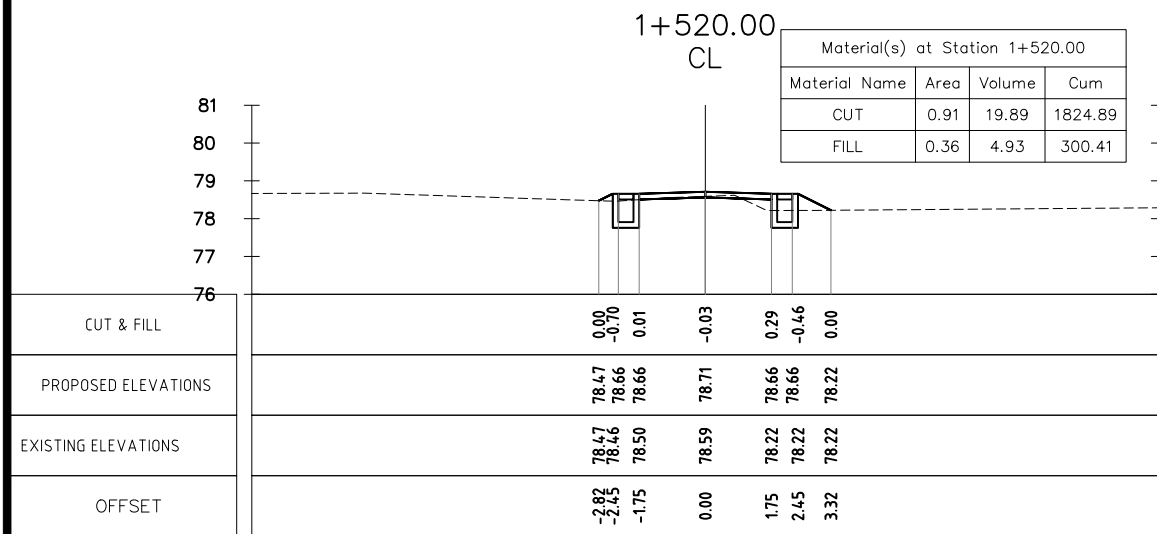
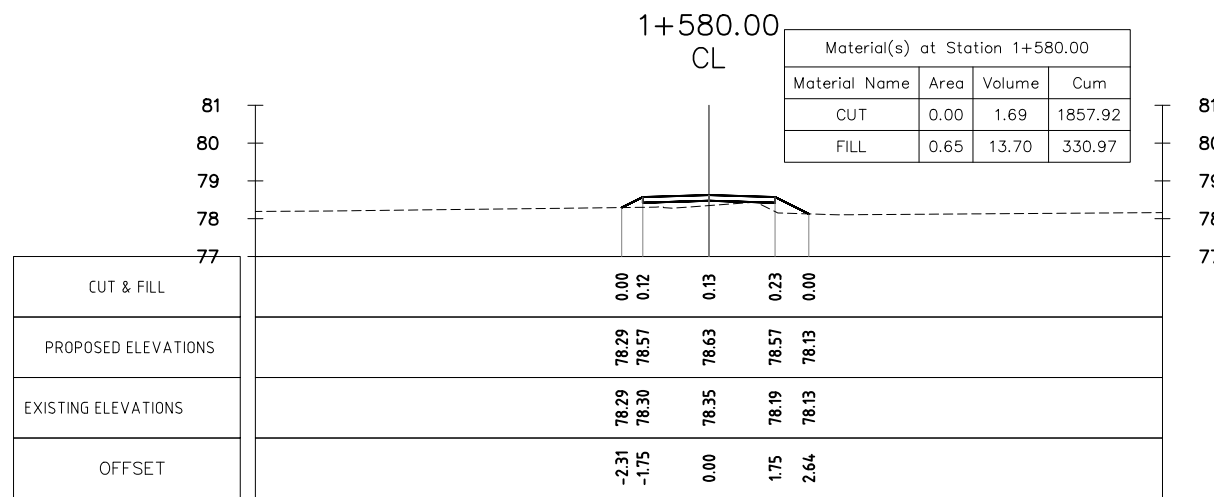
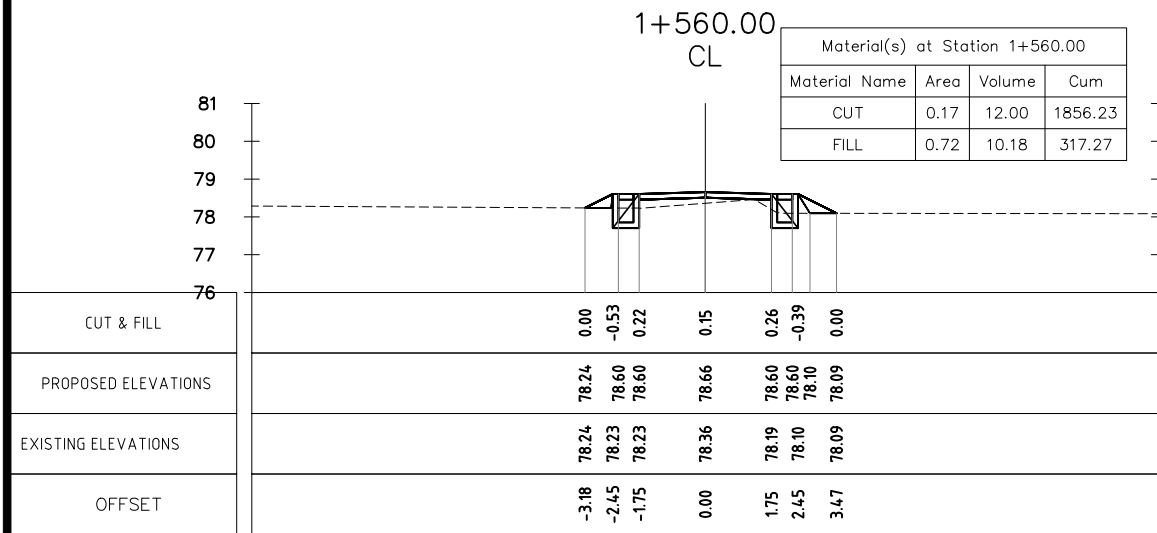
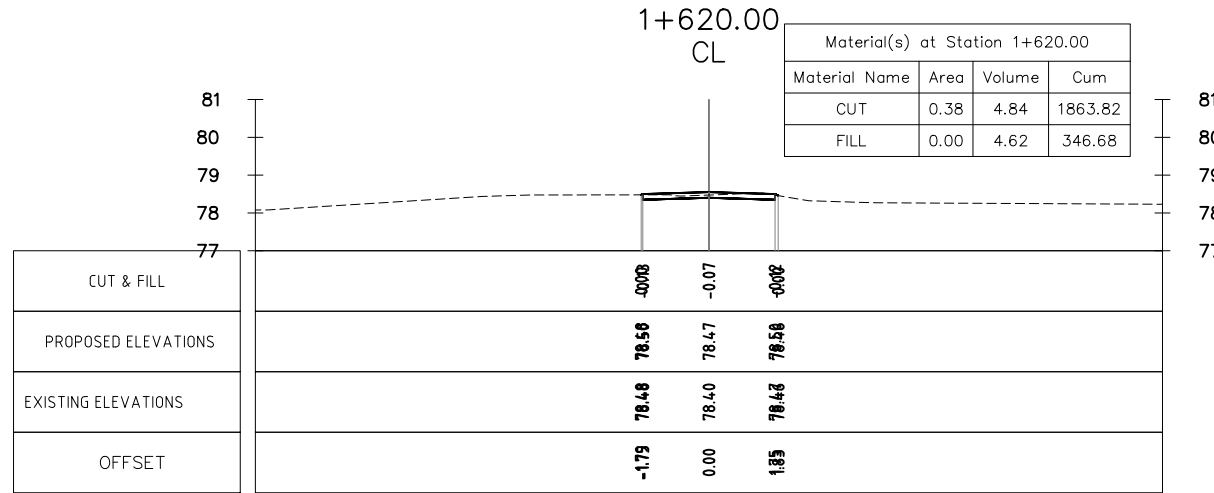
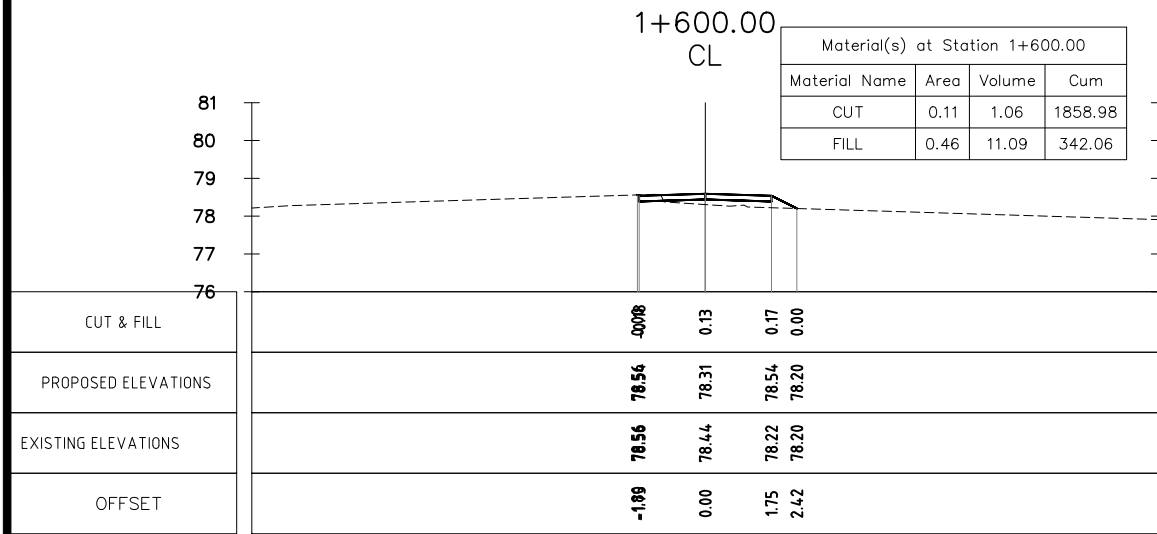
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 1+400-1+500

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-211
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

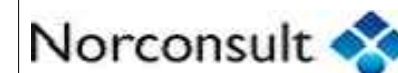
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DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



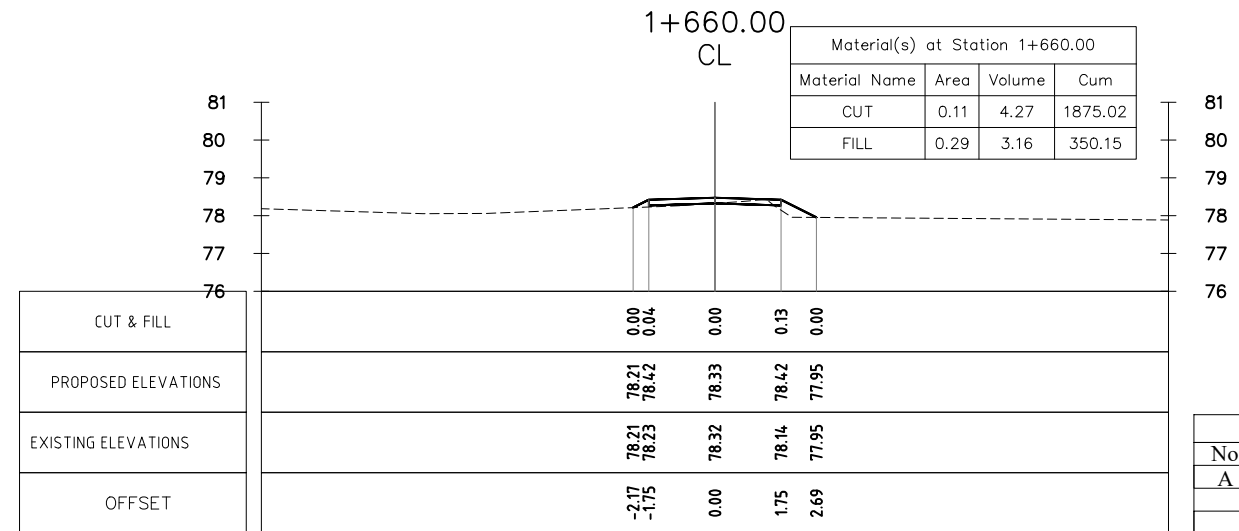
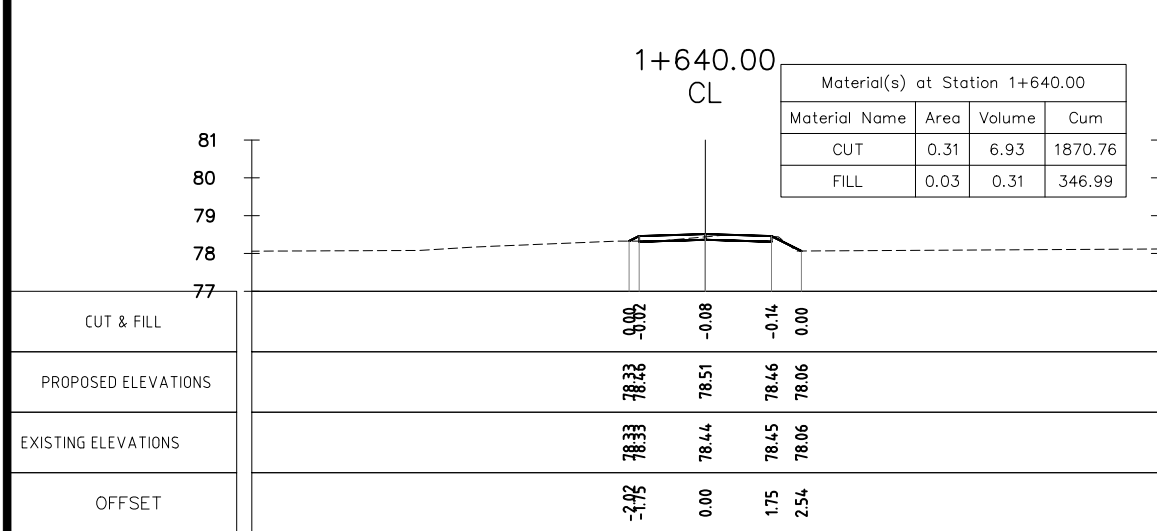
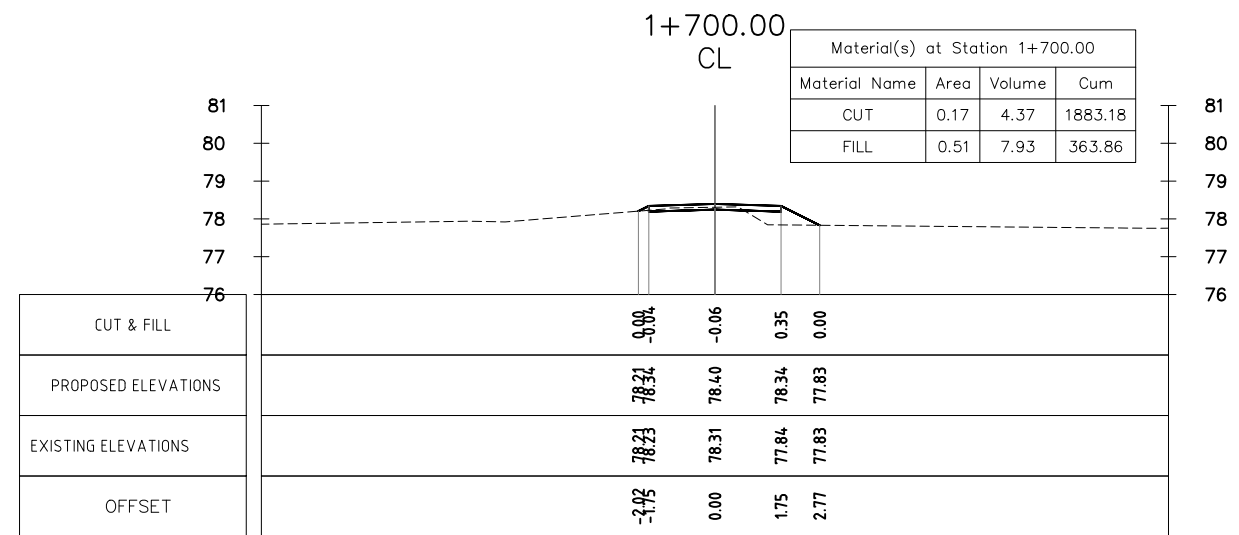
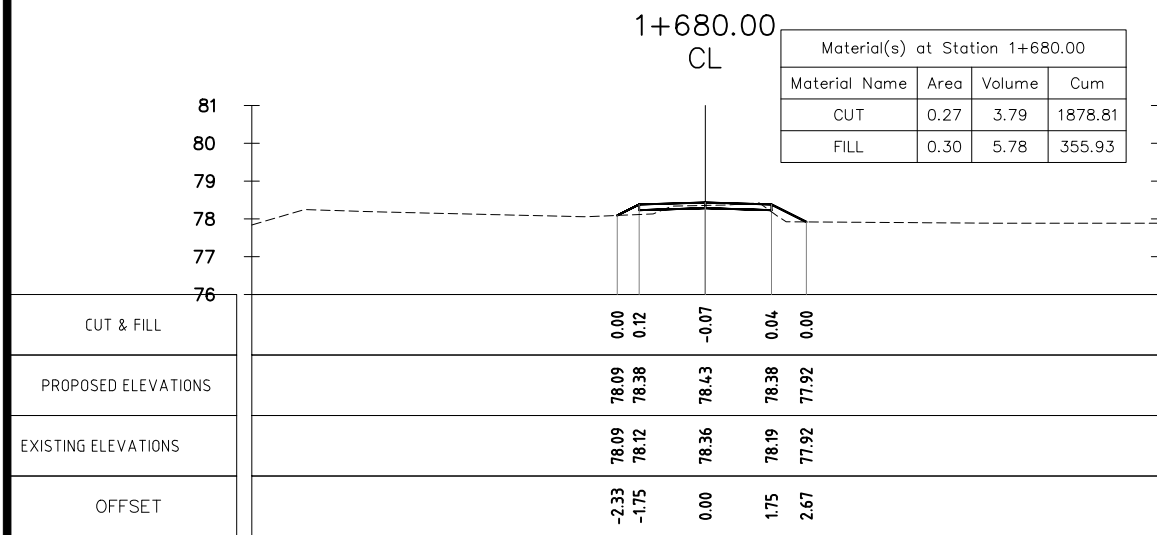
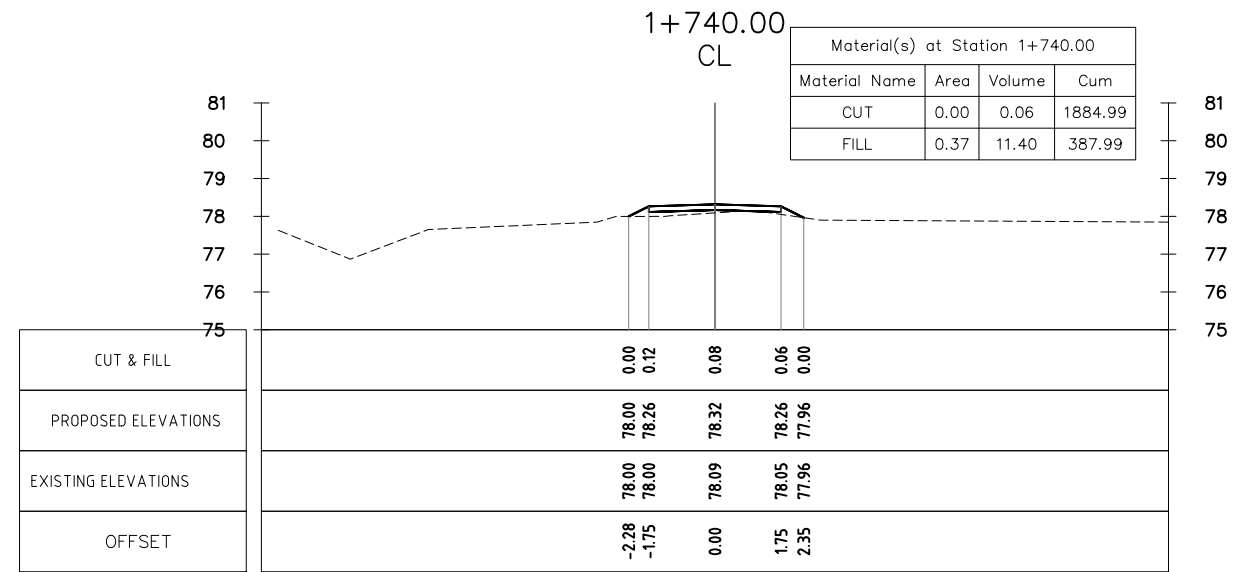
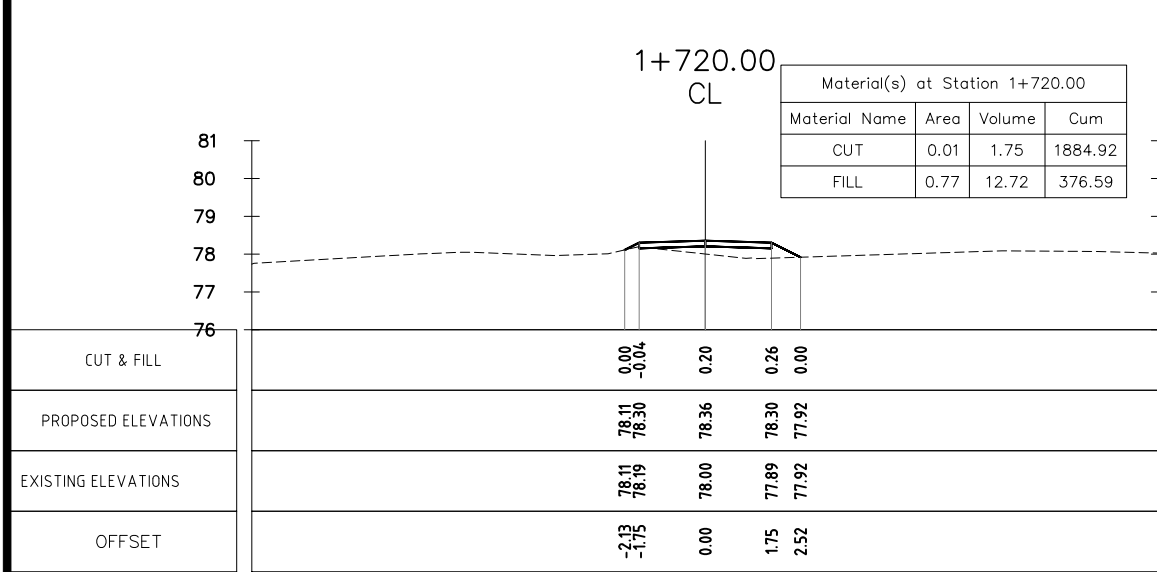
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 1+520-1+620

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-212
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18





Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

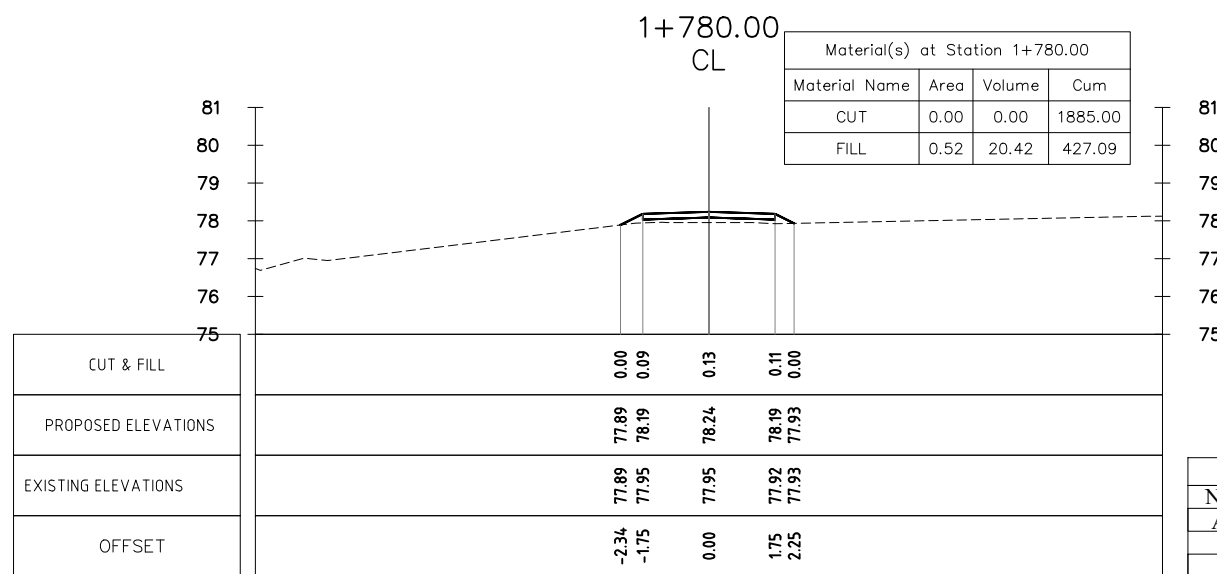
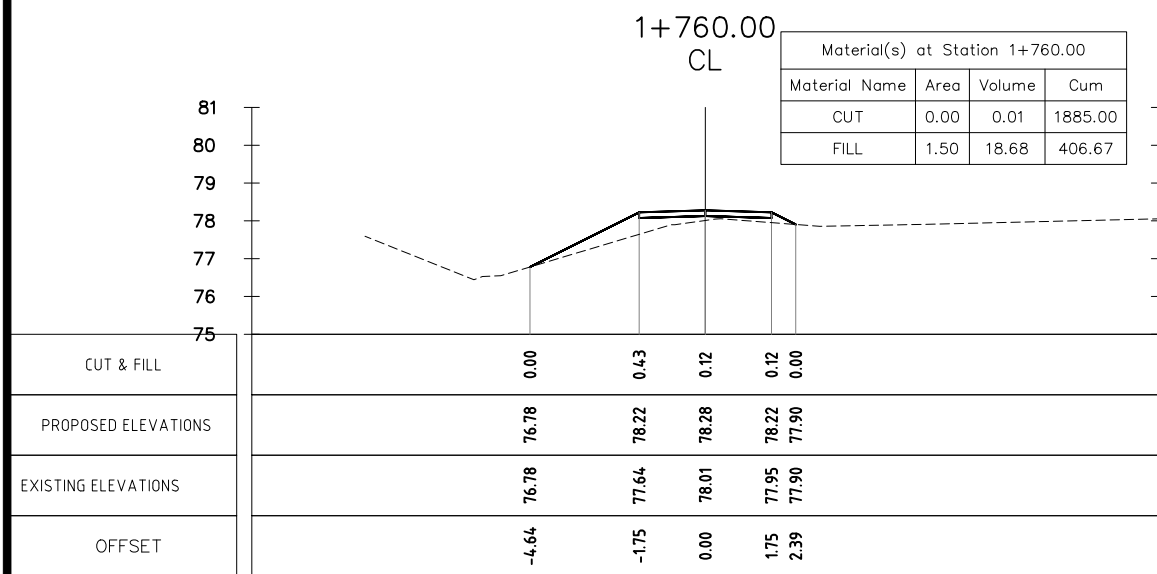
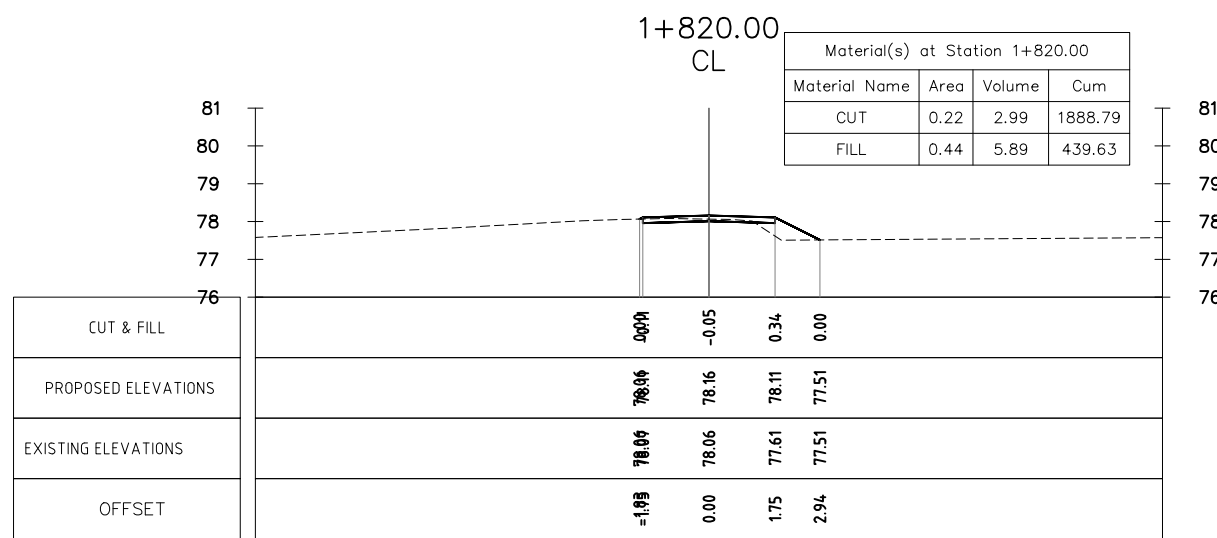
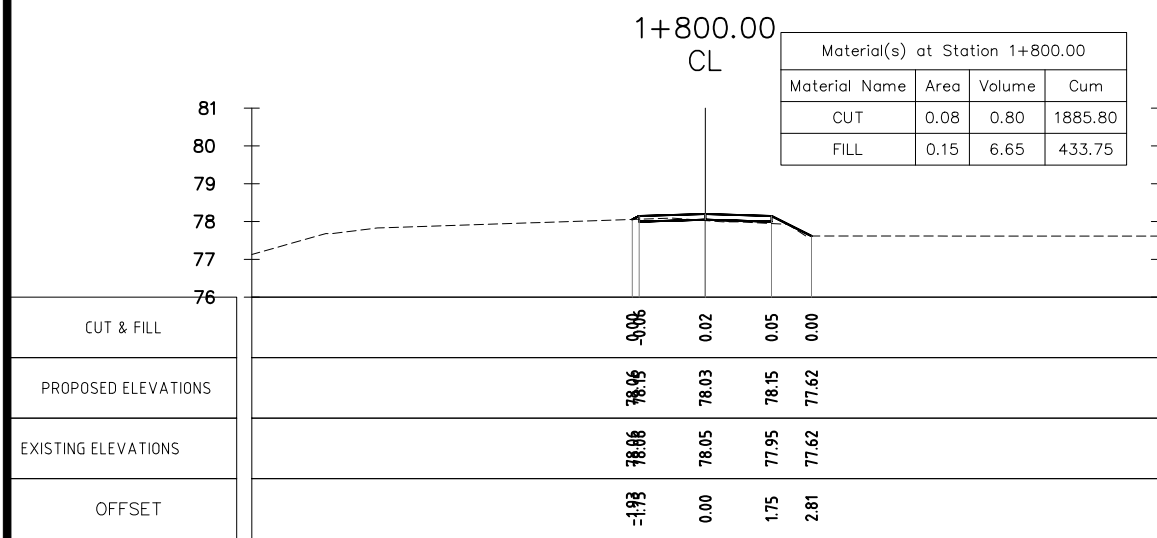
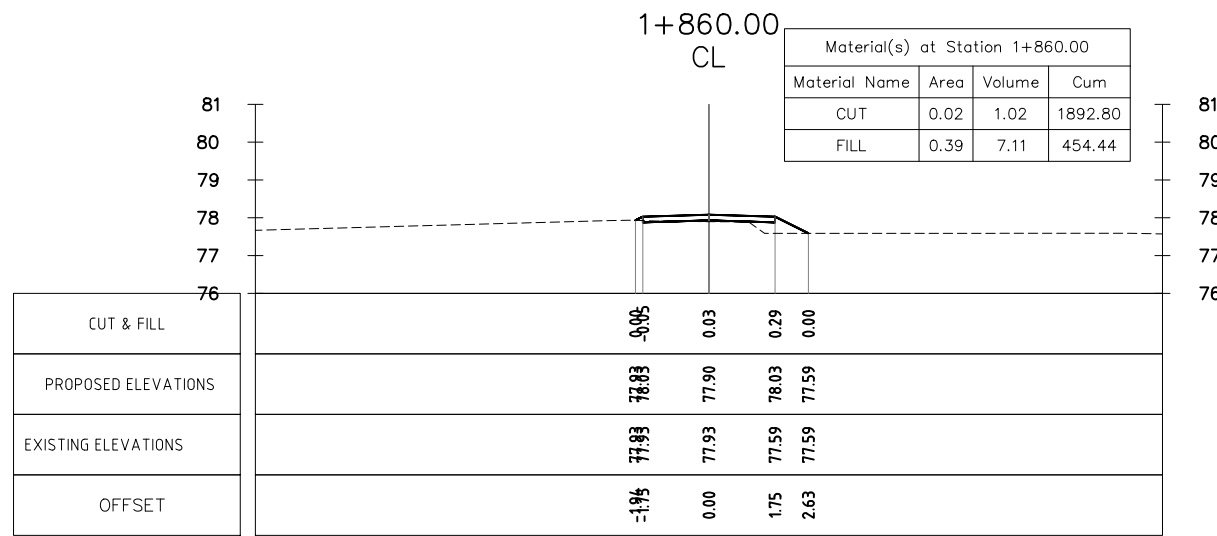
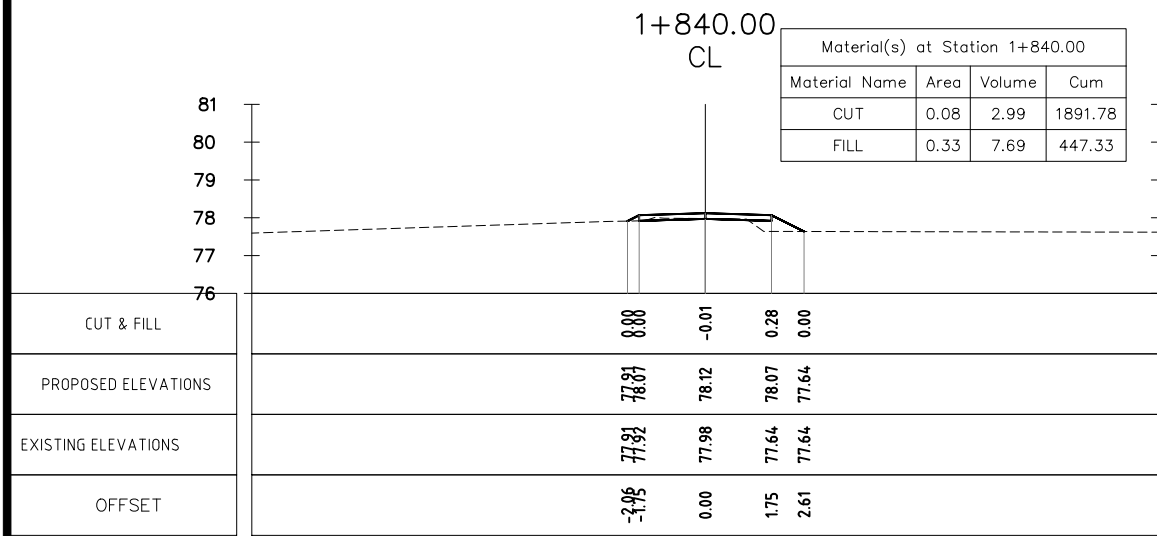
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 1+640-1+740

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-213
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
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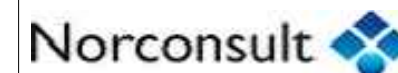
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ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



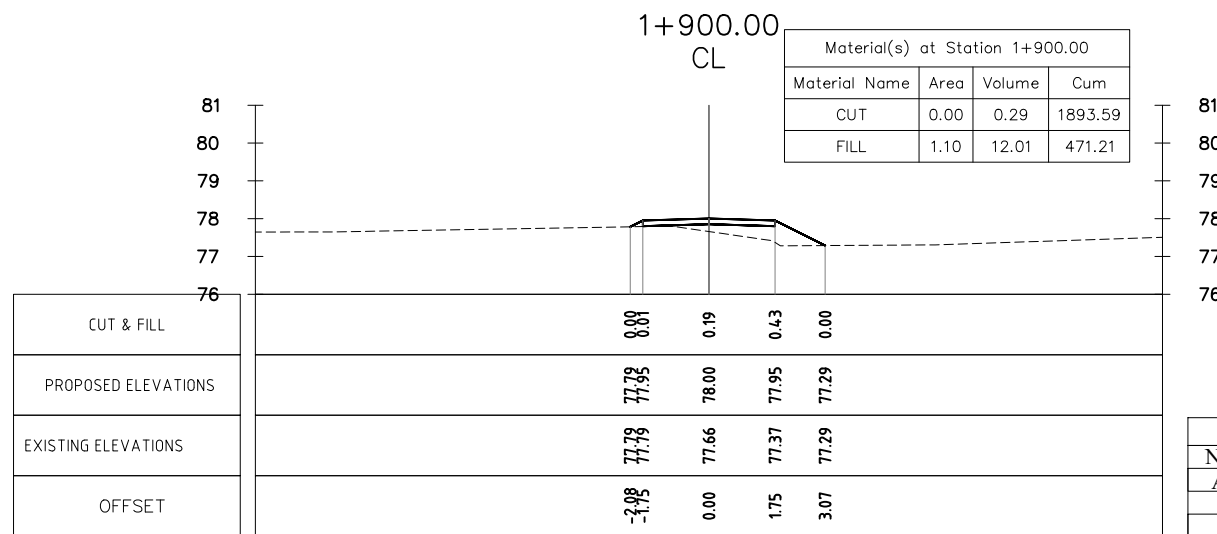
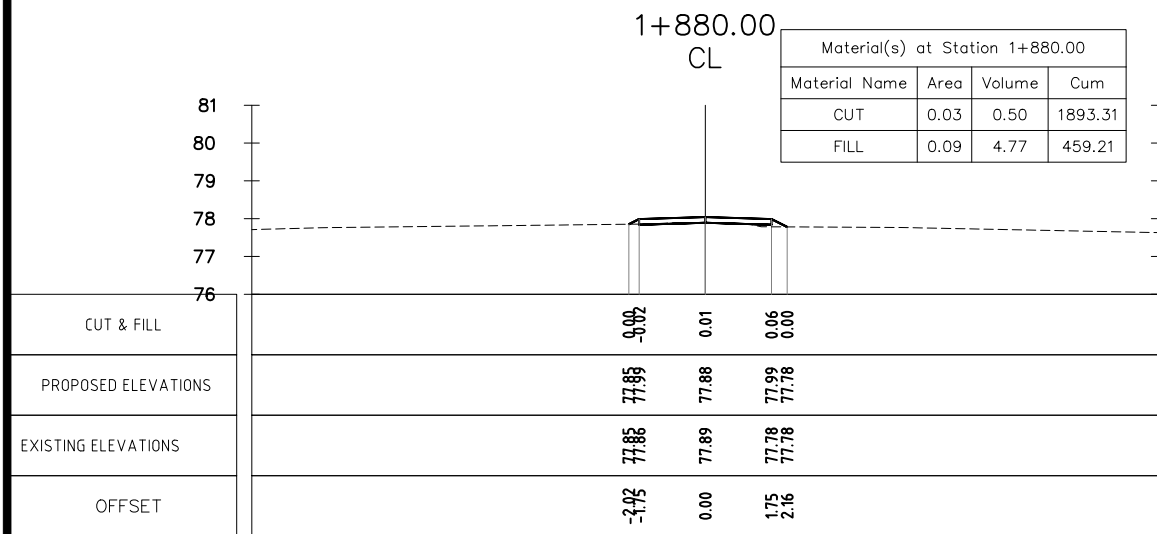
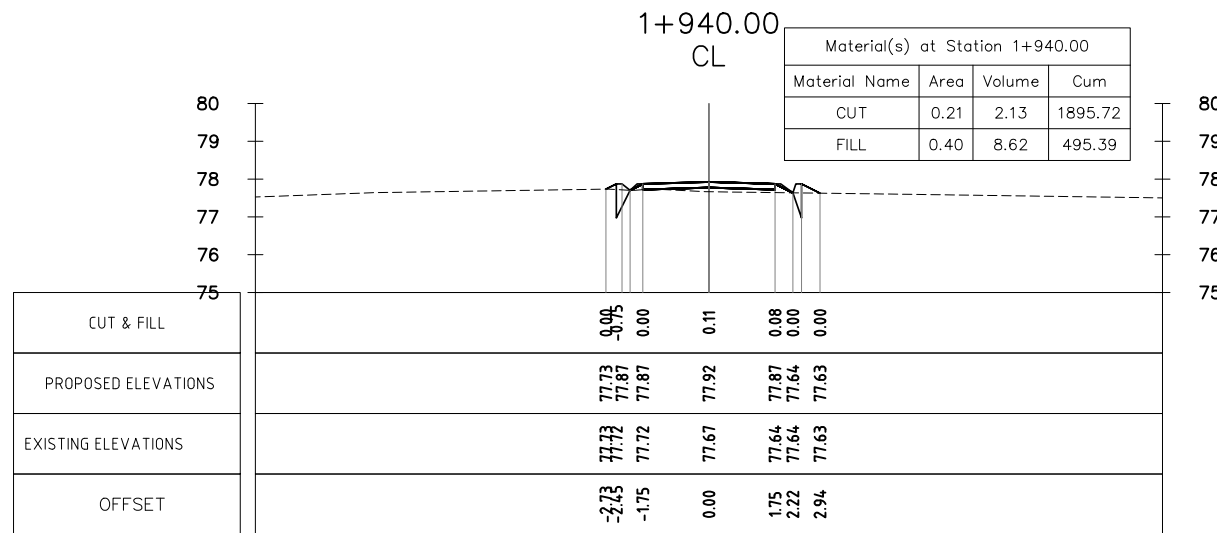
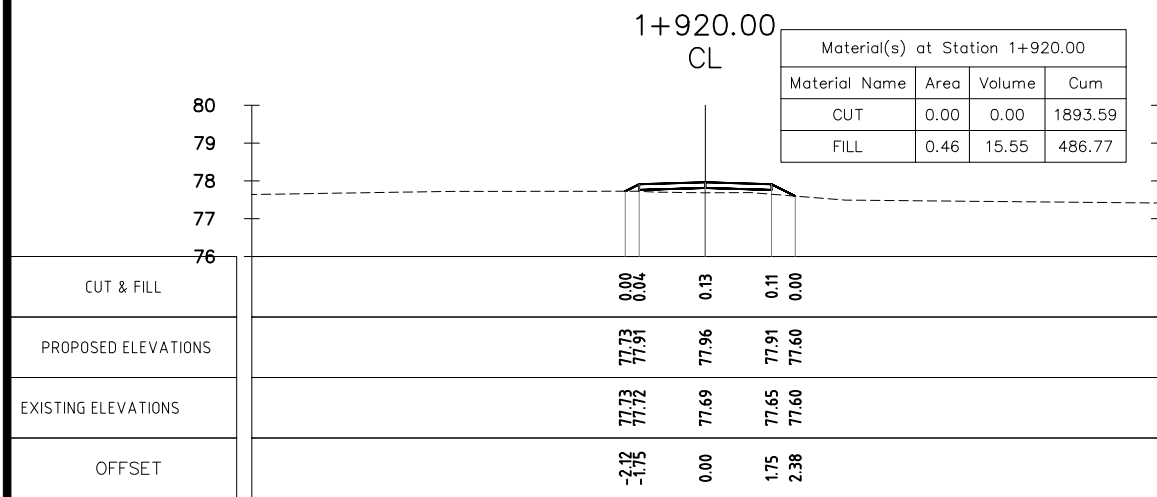
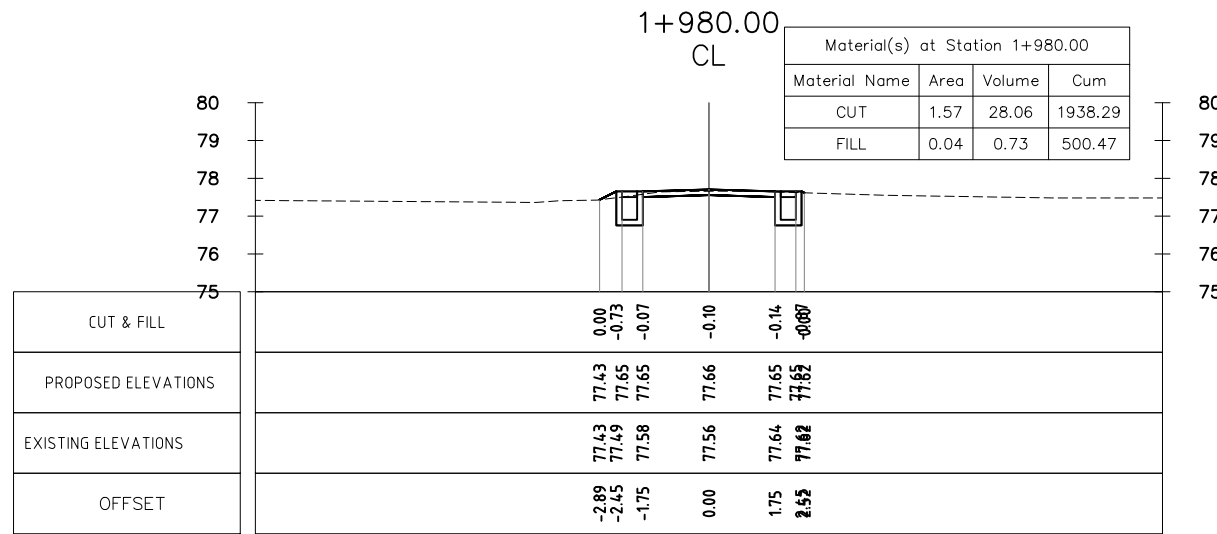
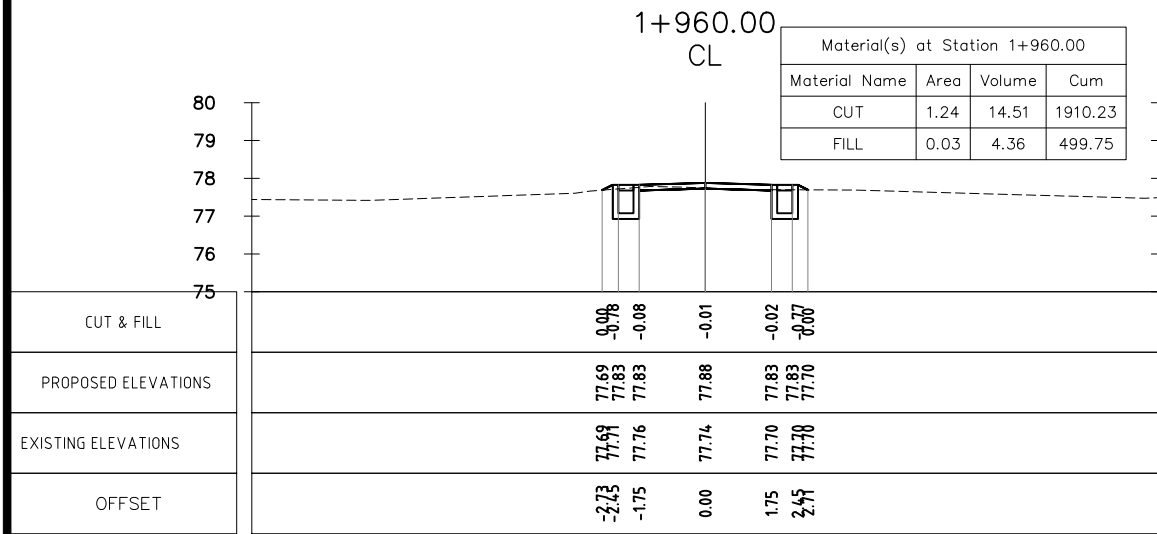
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 1+760-1+860

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-214
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

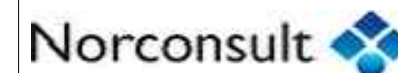
Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



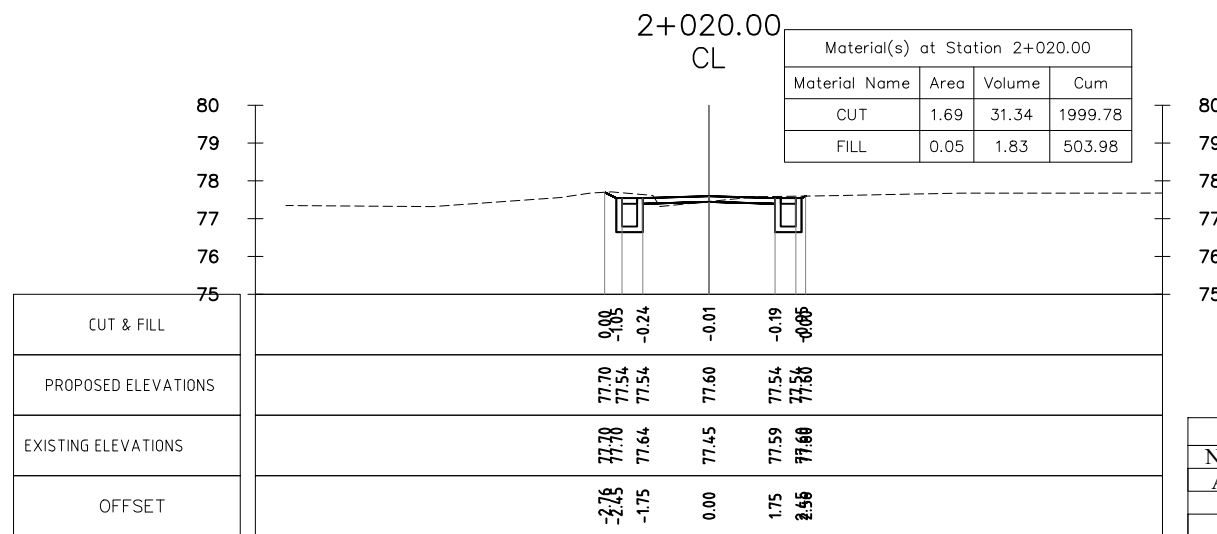
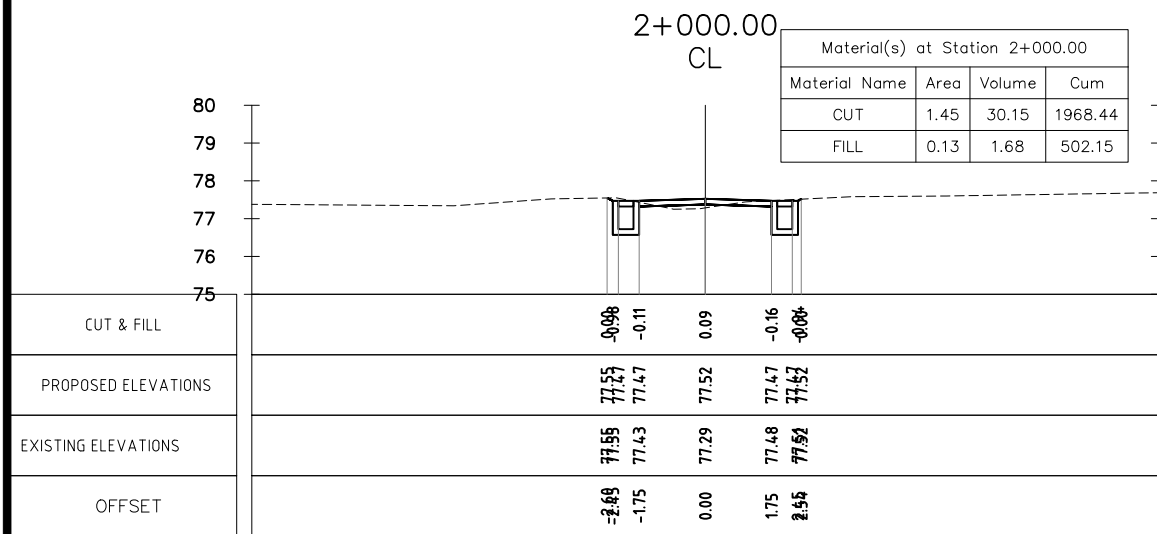
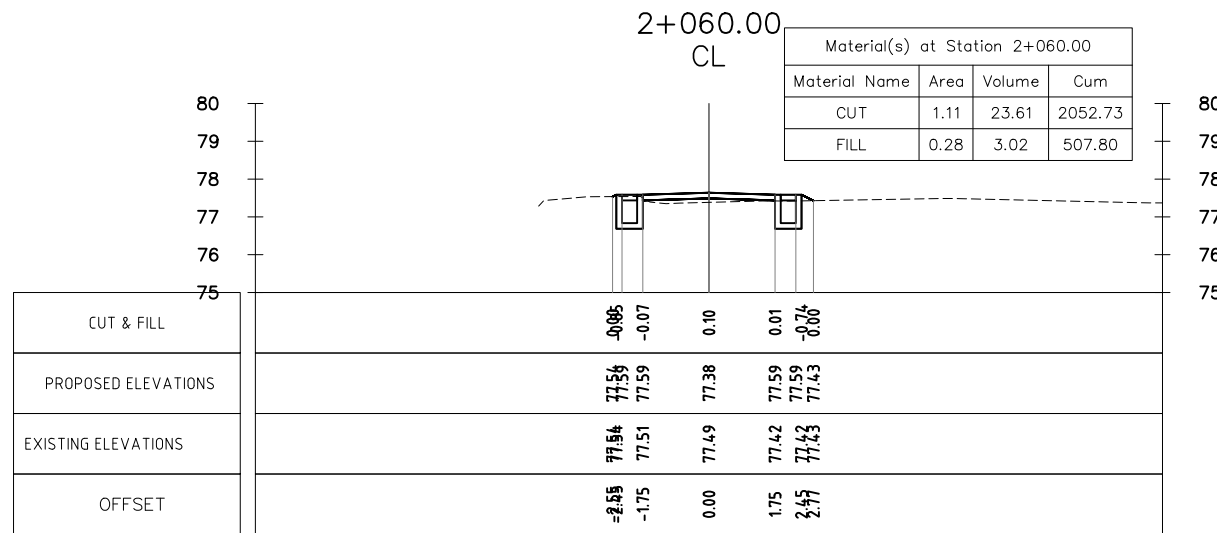
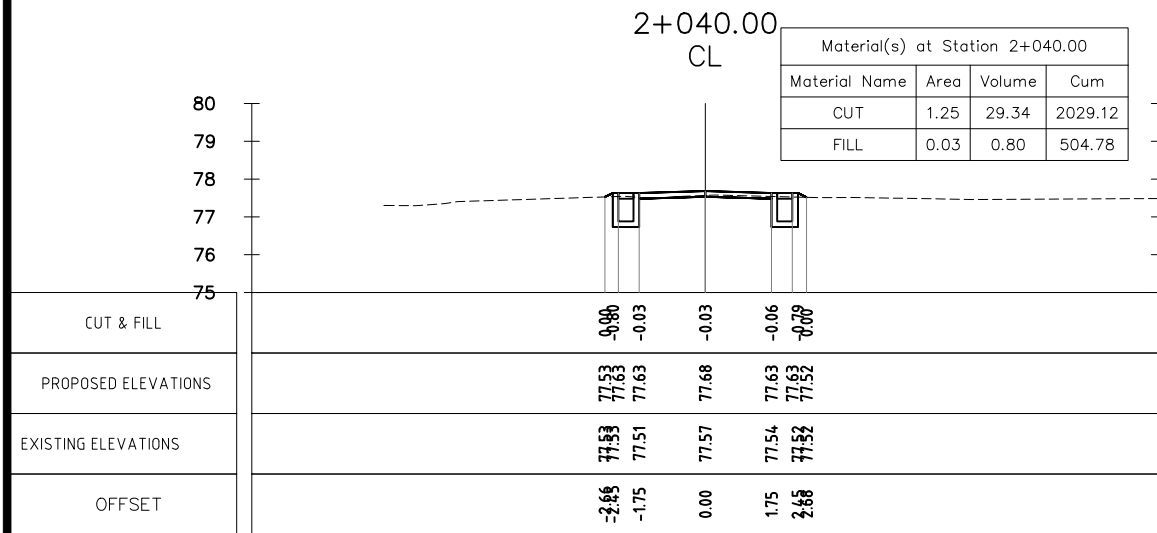
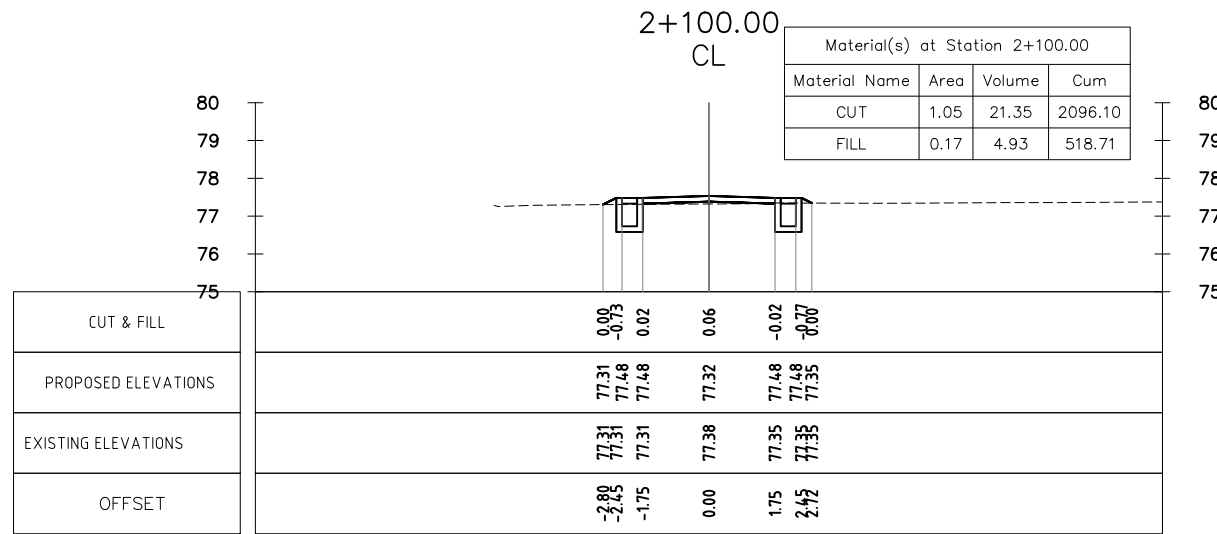
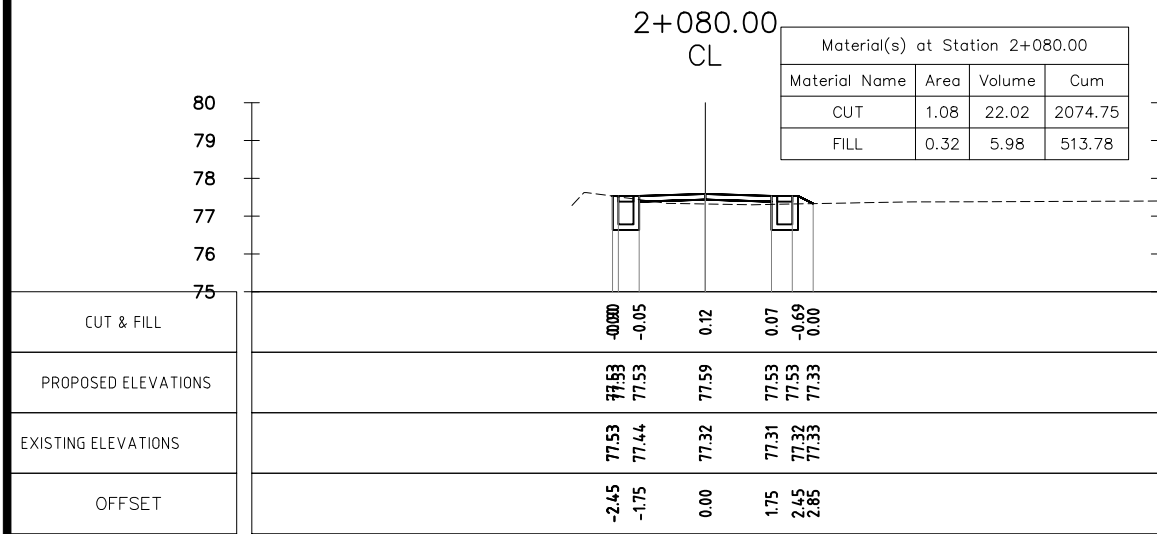
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 1+880-1+980

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-215
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

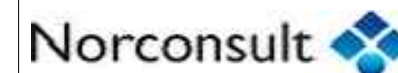
TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

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 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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 MINISTRY OF INFORMATION, CULTURE & TOURISM

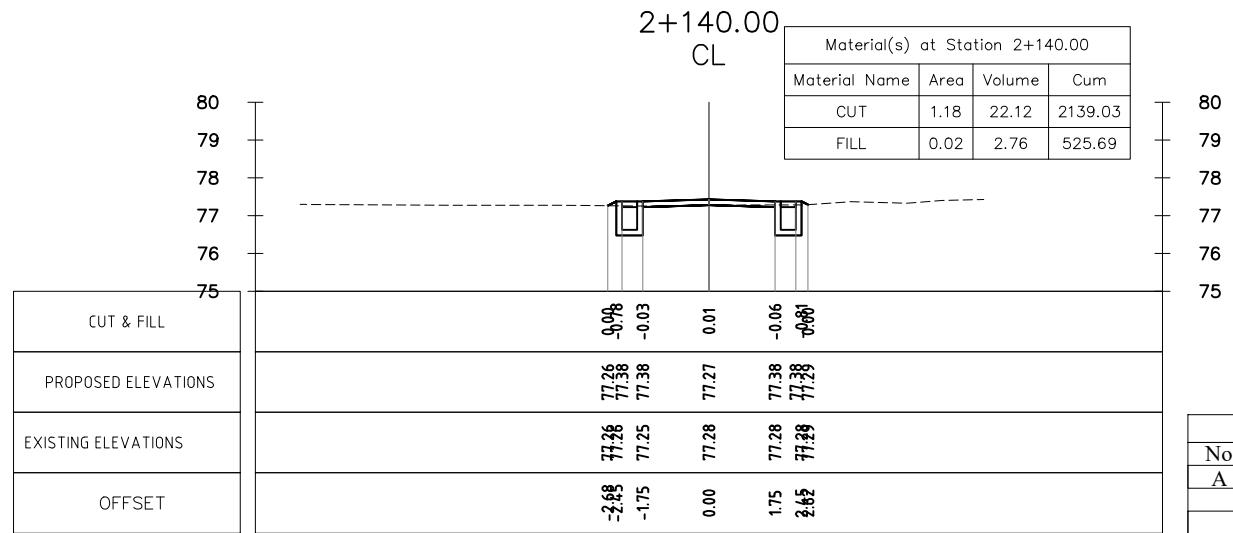
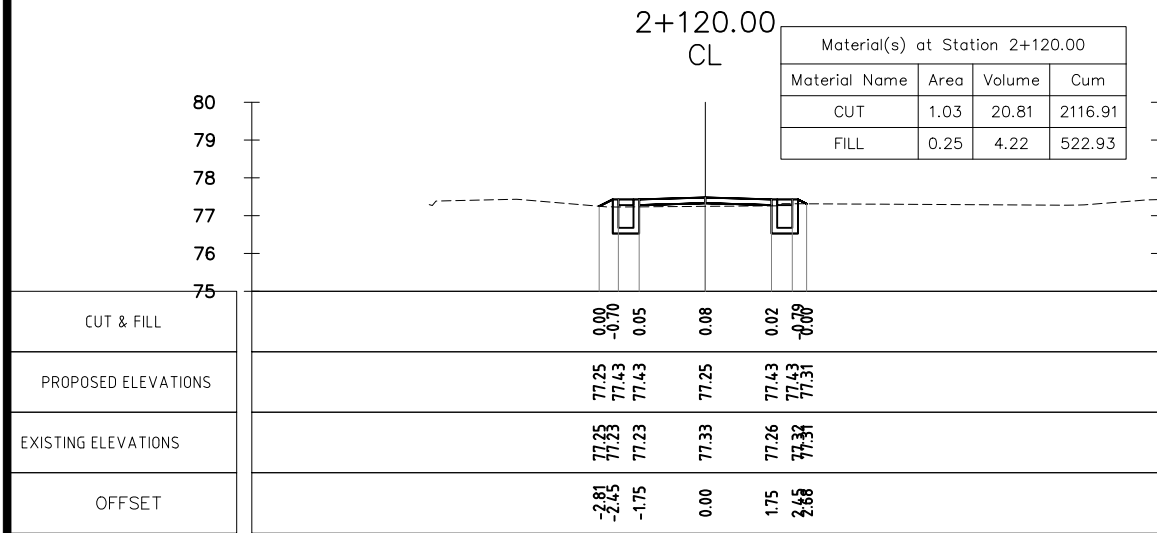
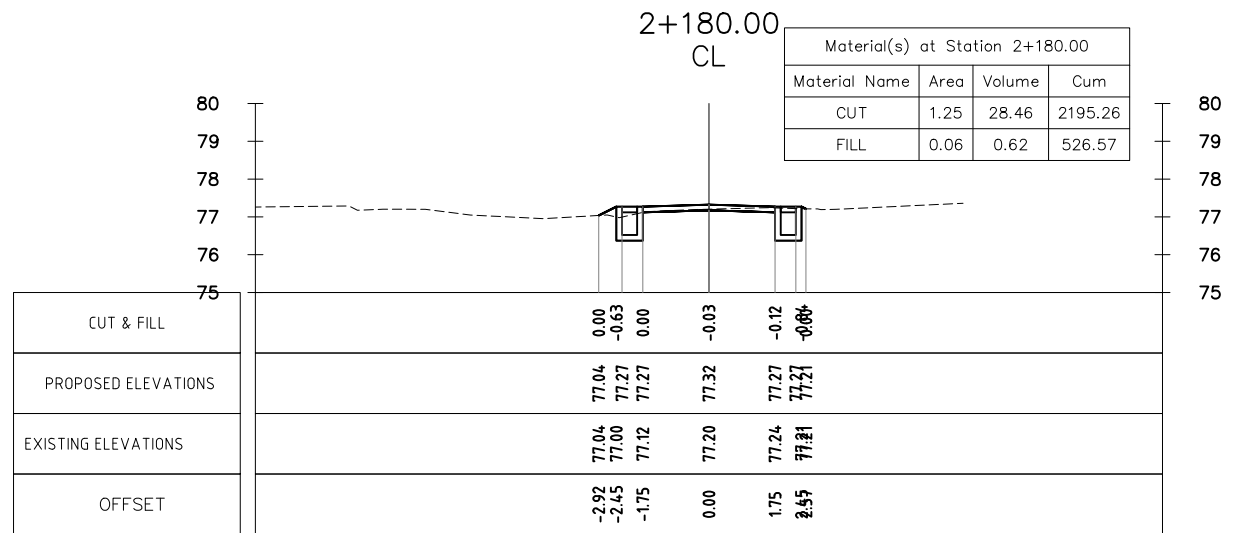
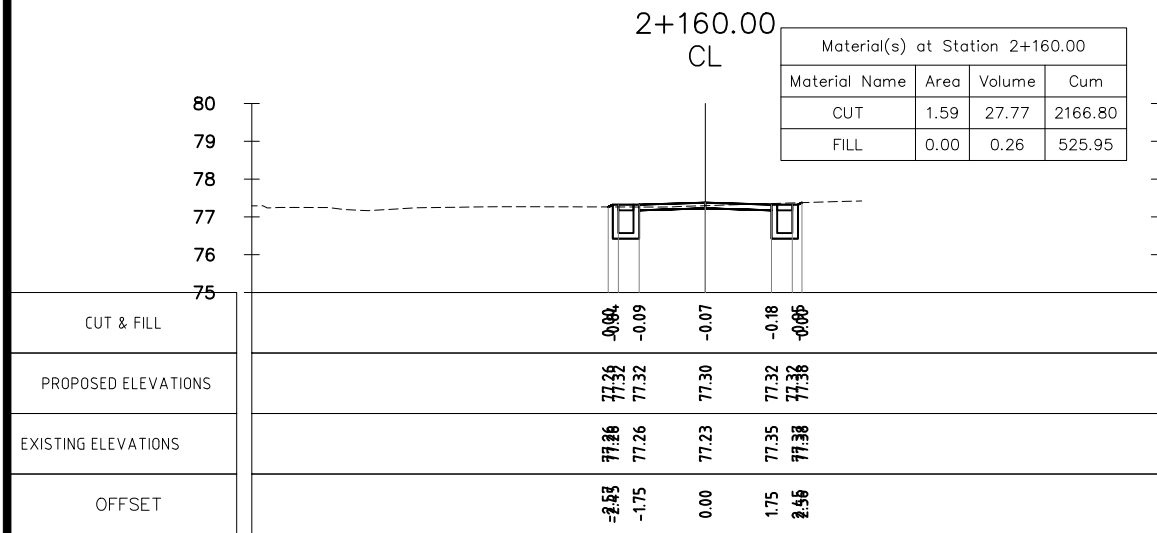
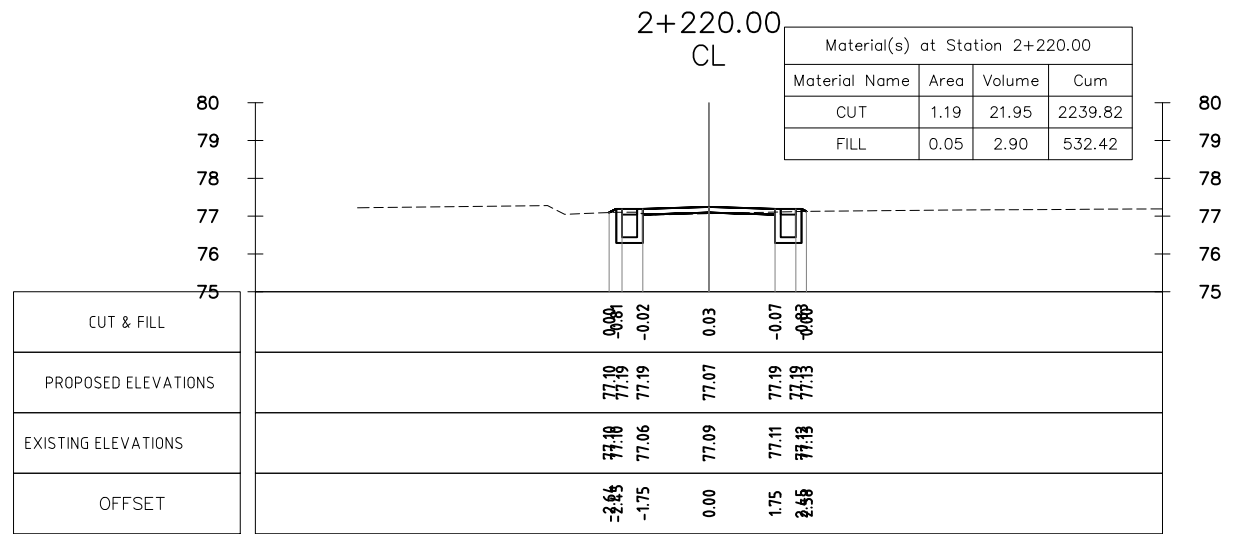
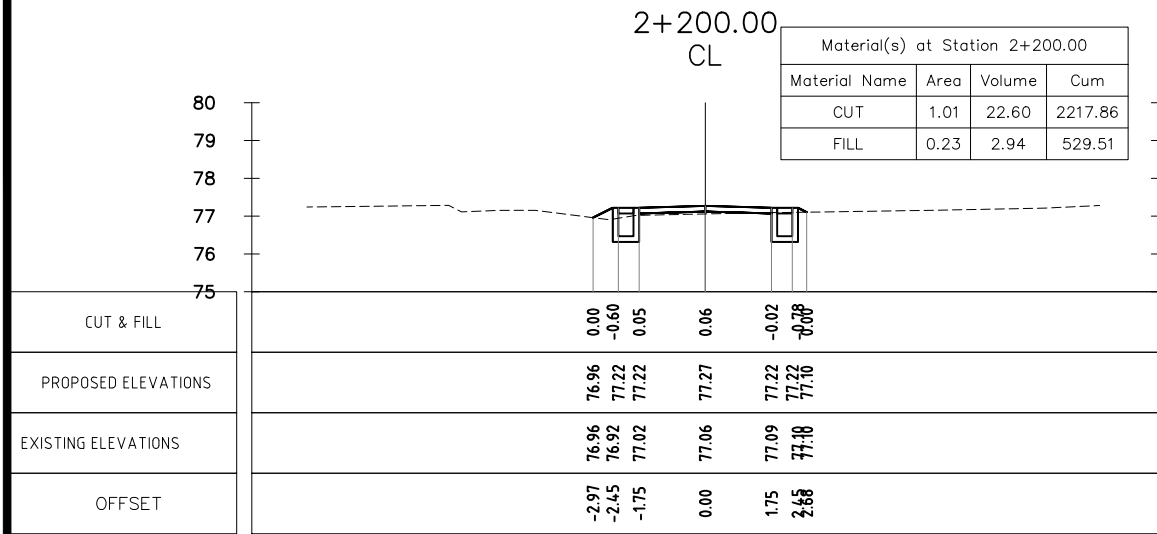


PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 2+000-2+100

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-216
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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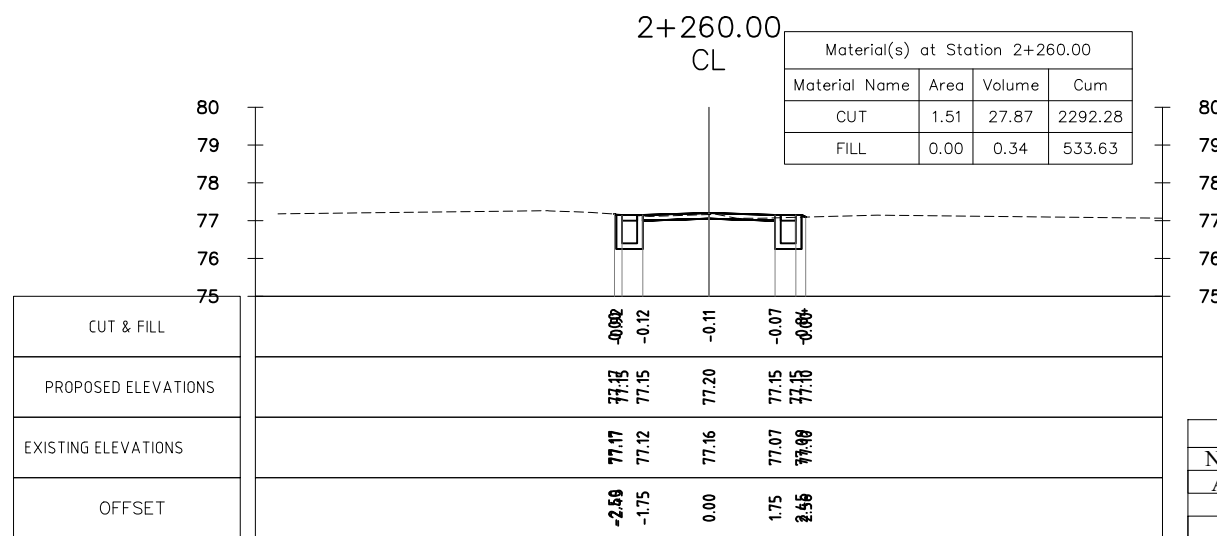
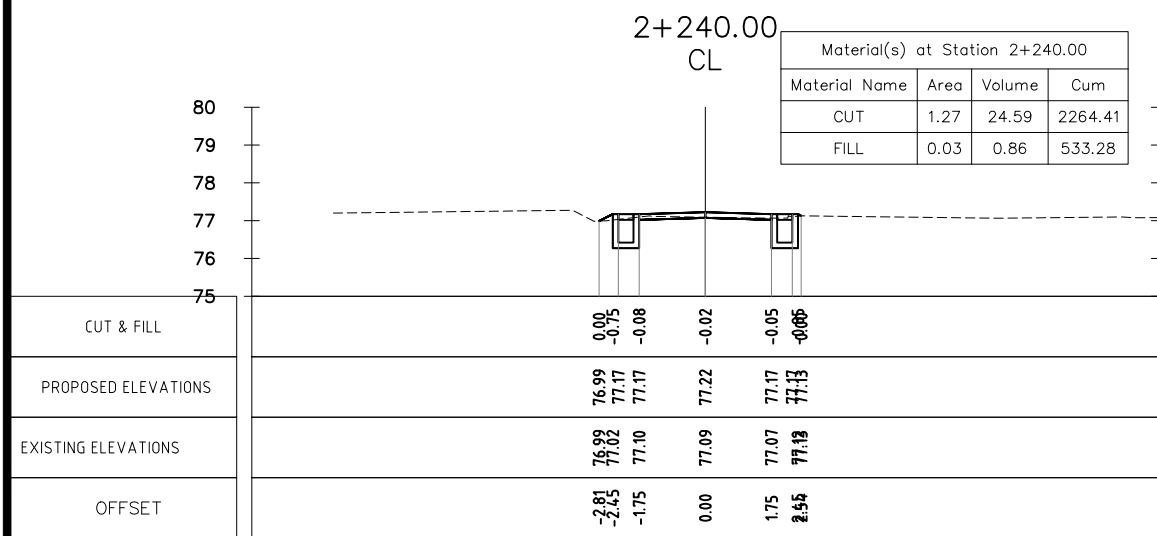
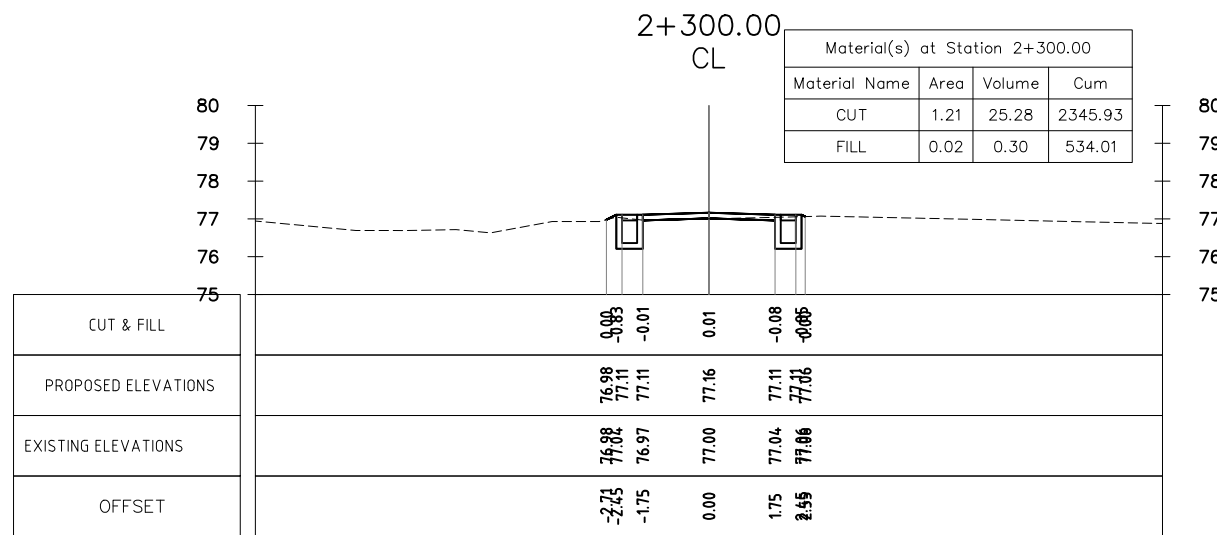
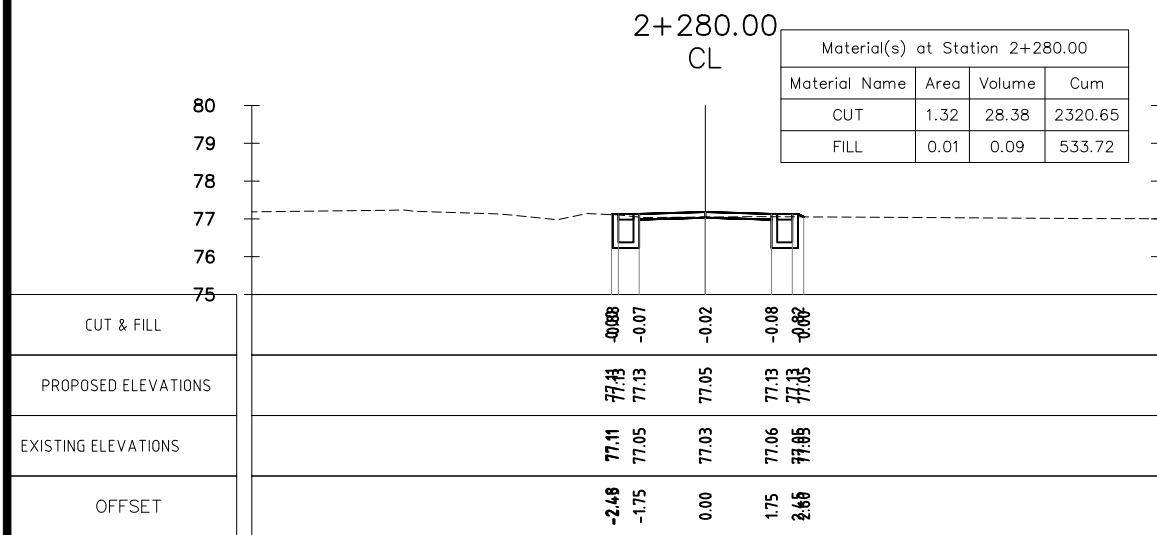
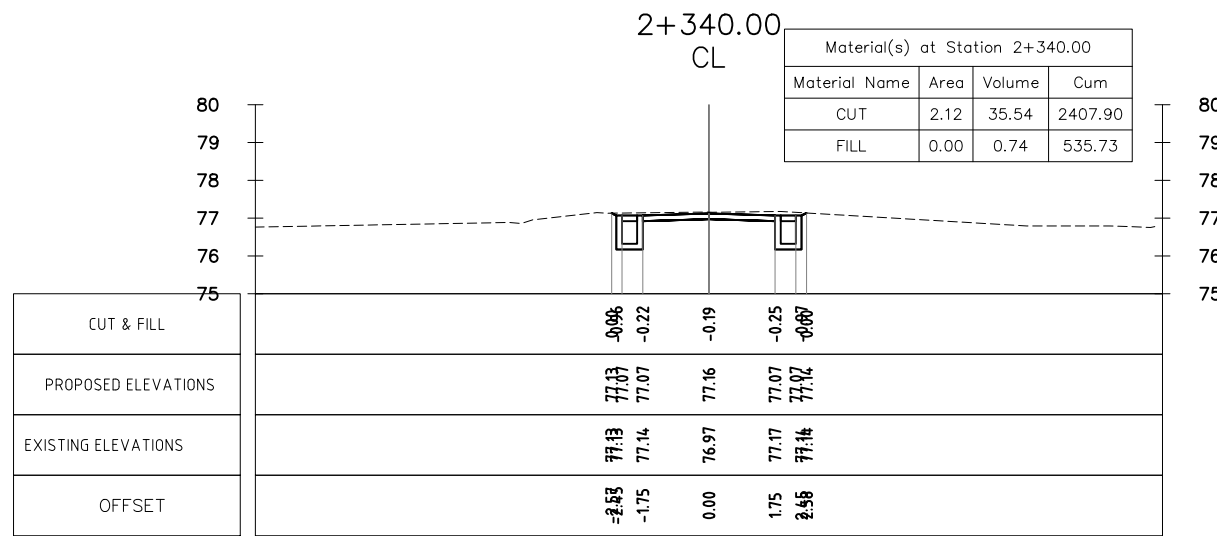
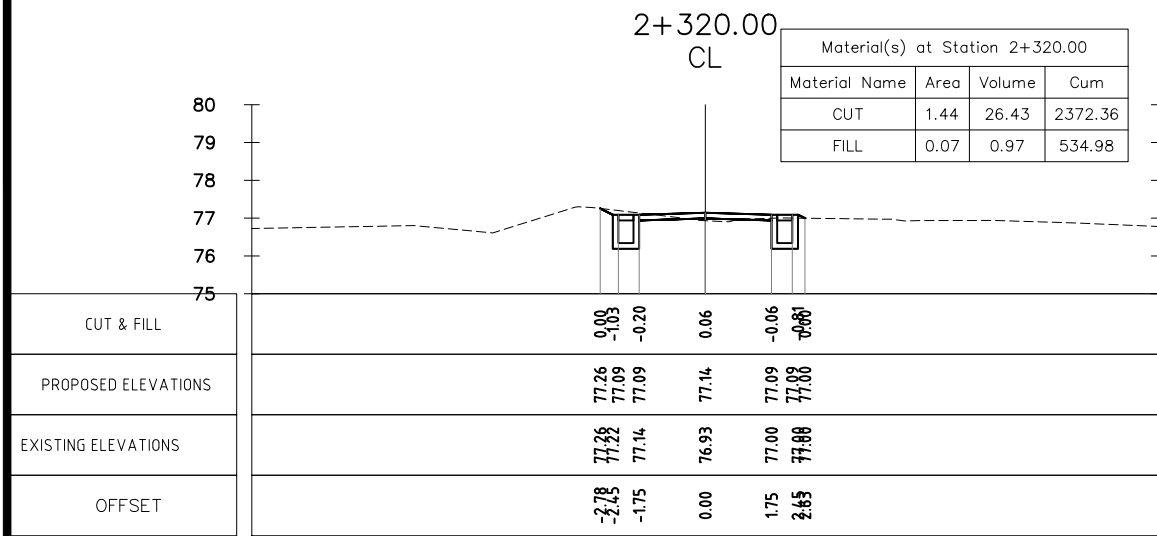
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 2+120-2+220

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-217
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

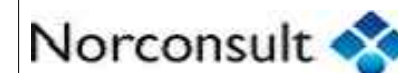
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DATE: \_\_\_\_\_

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 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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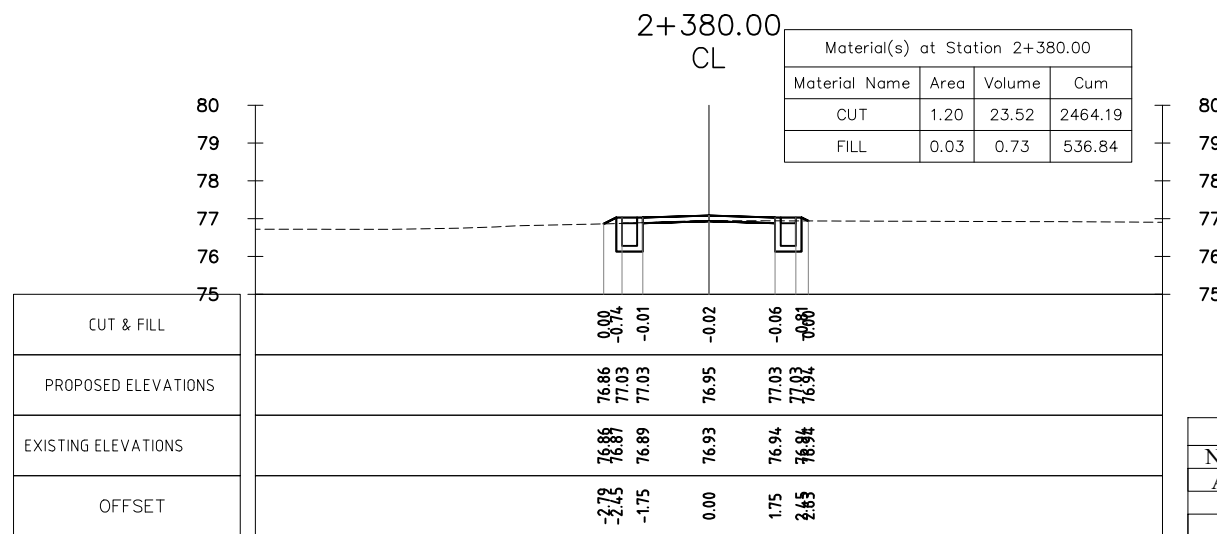
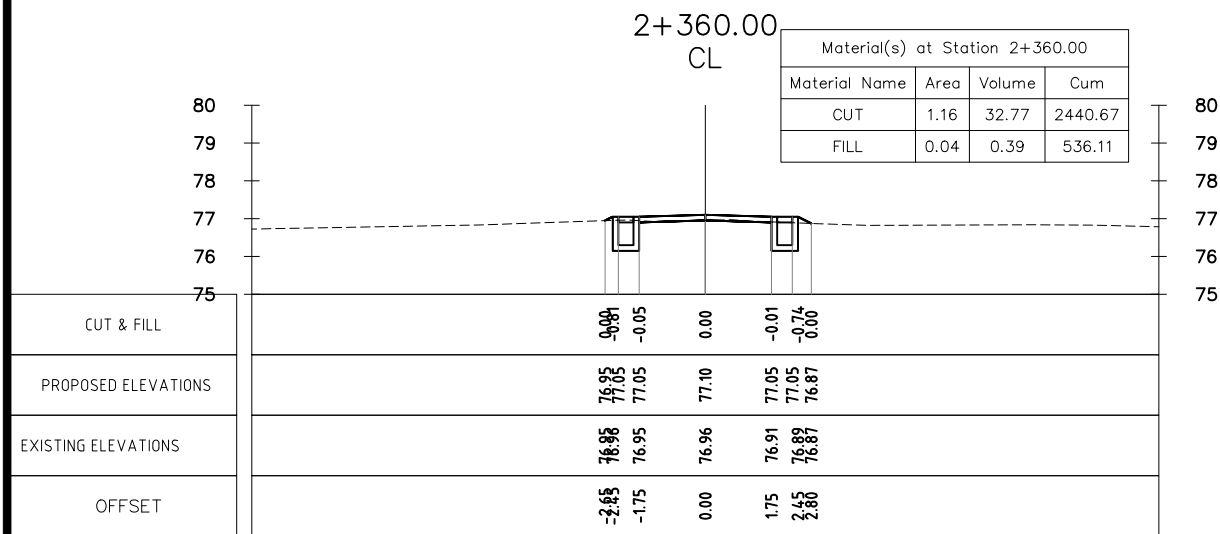
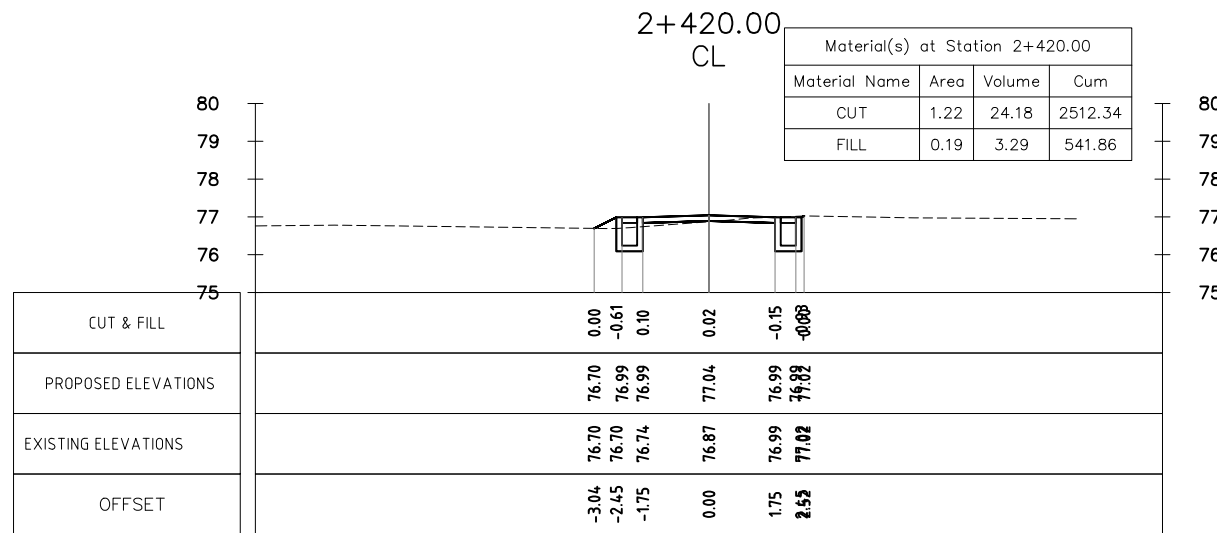
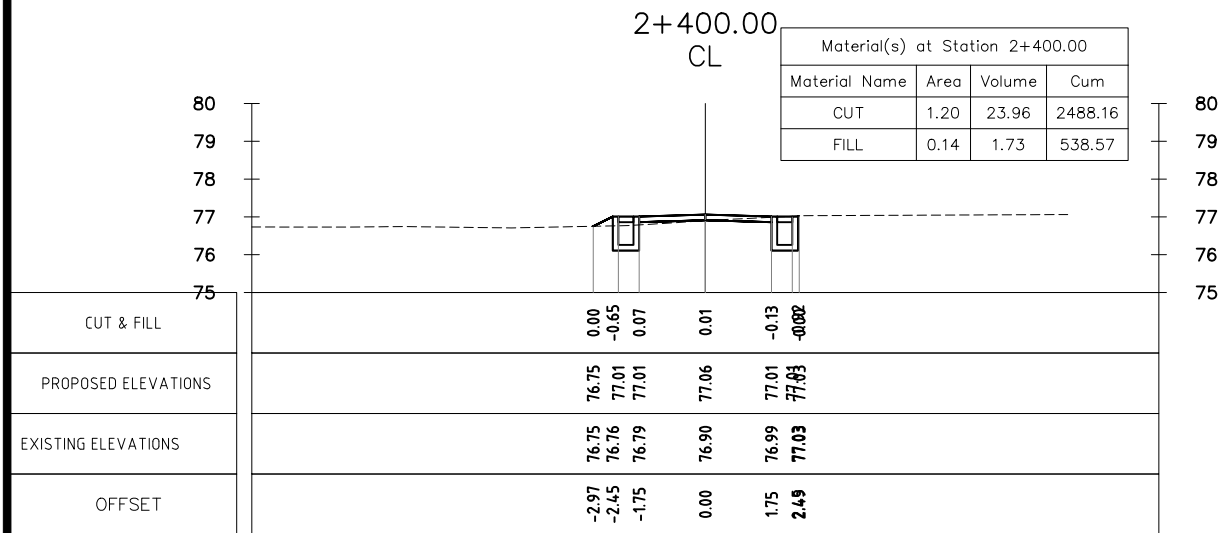
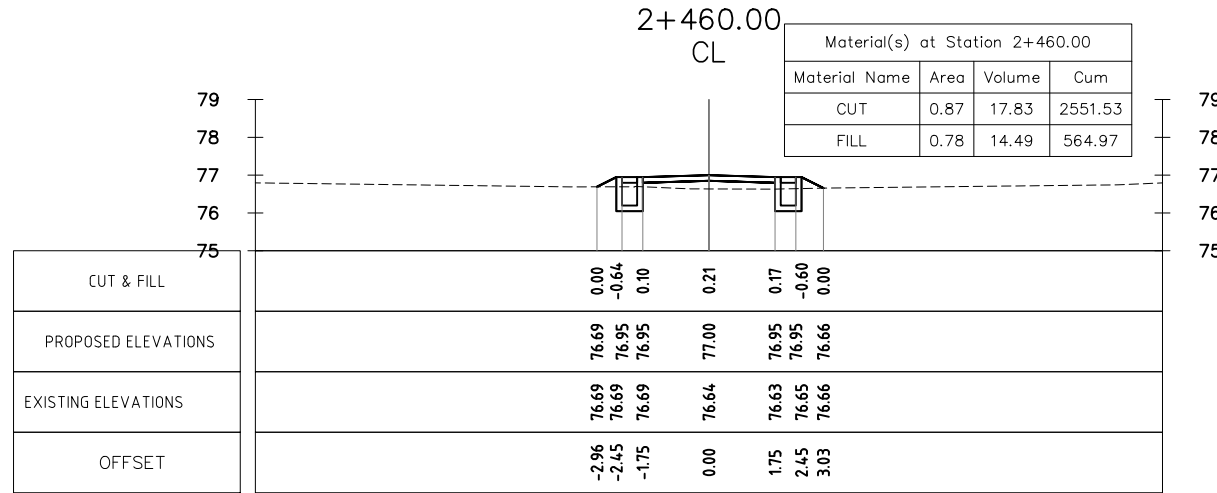
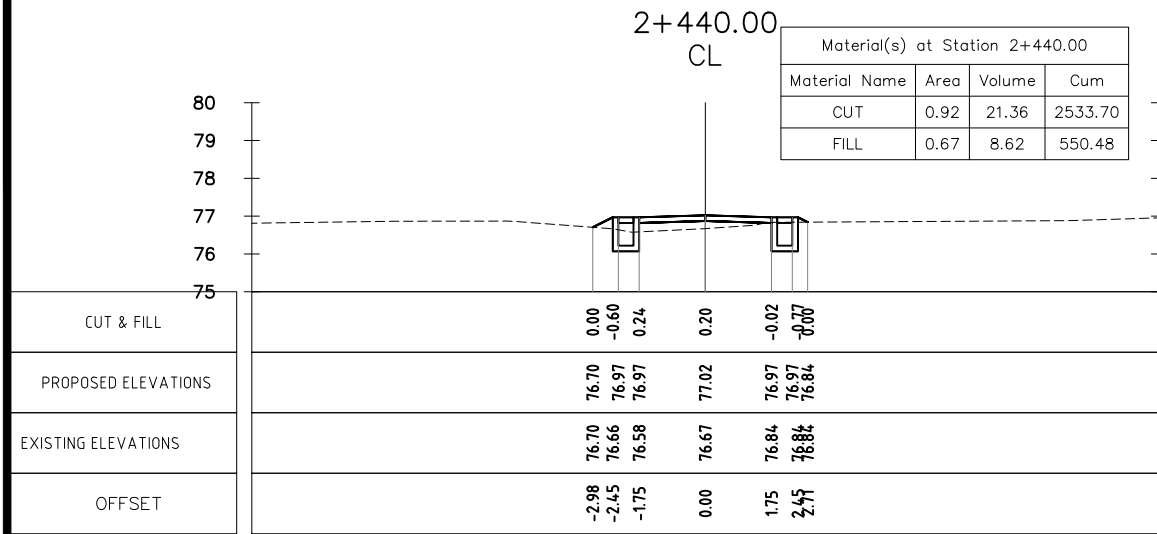
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 2+240-2+340

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-218
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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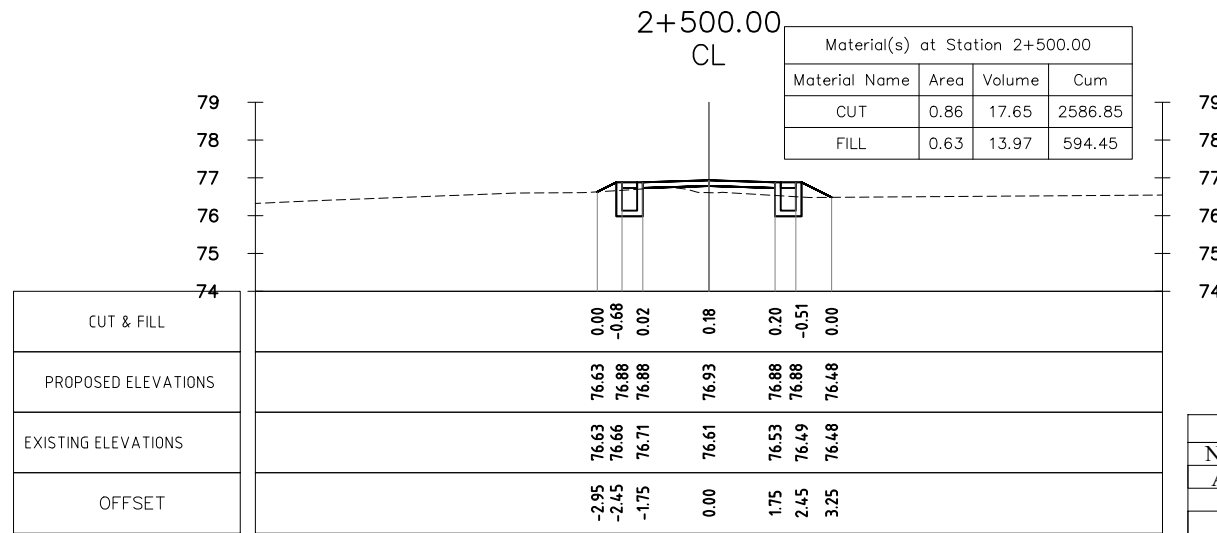
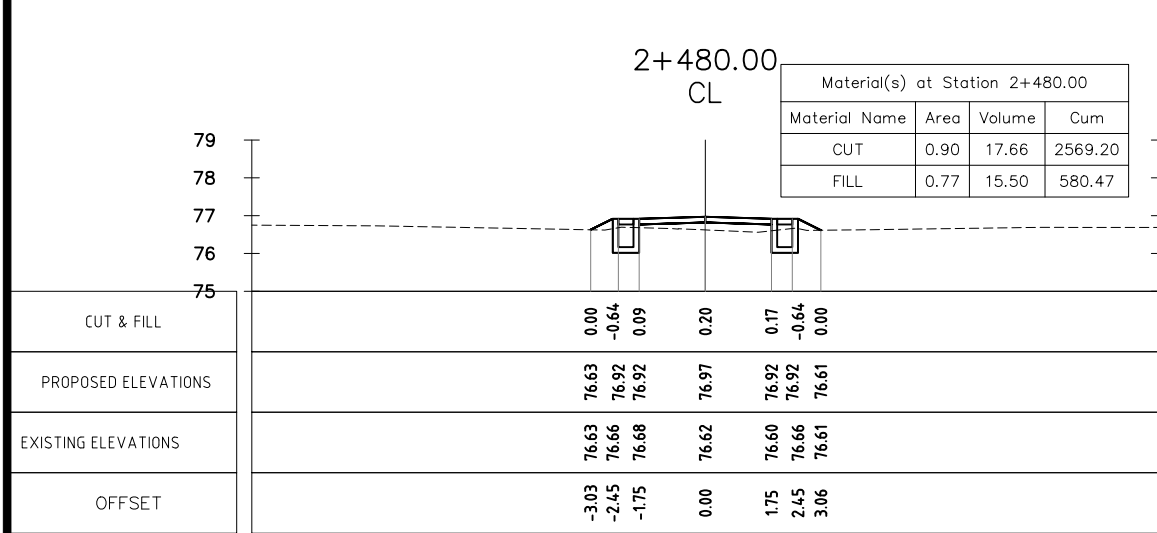
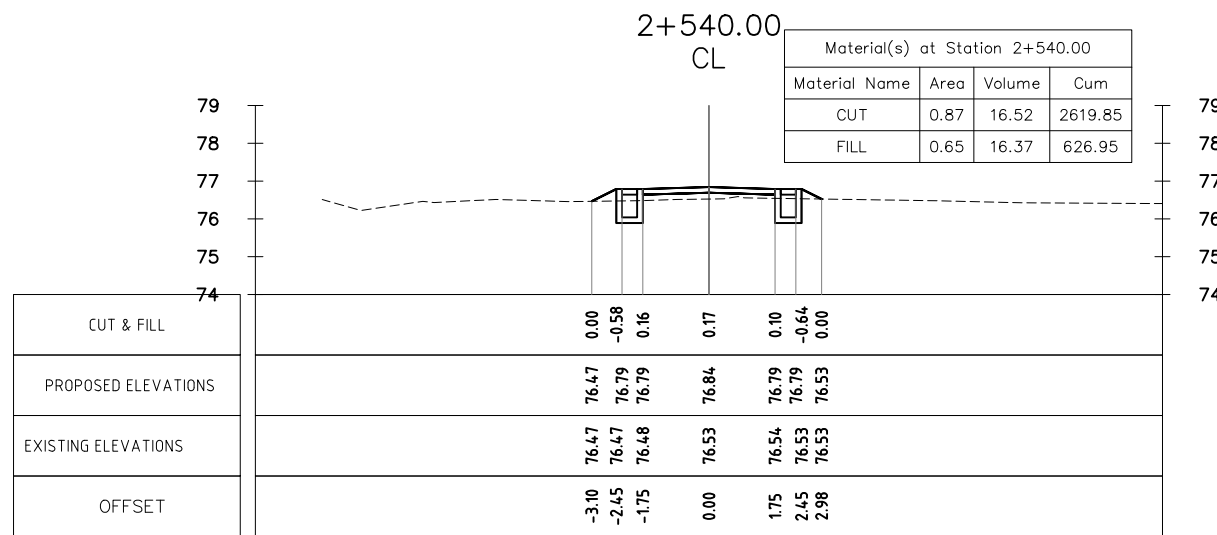
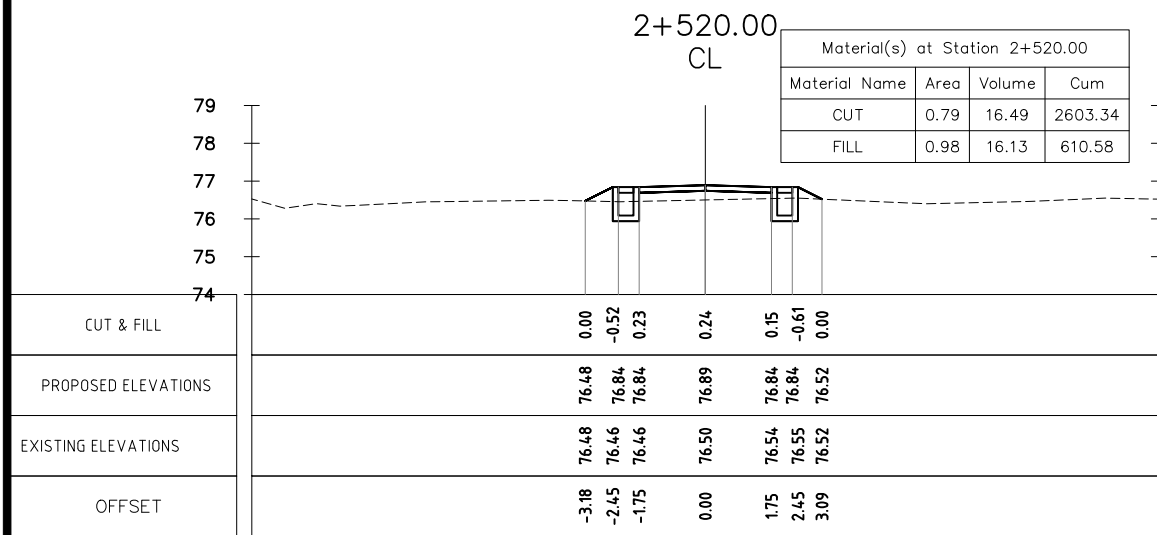
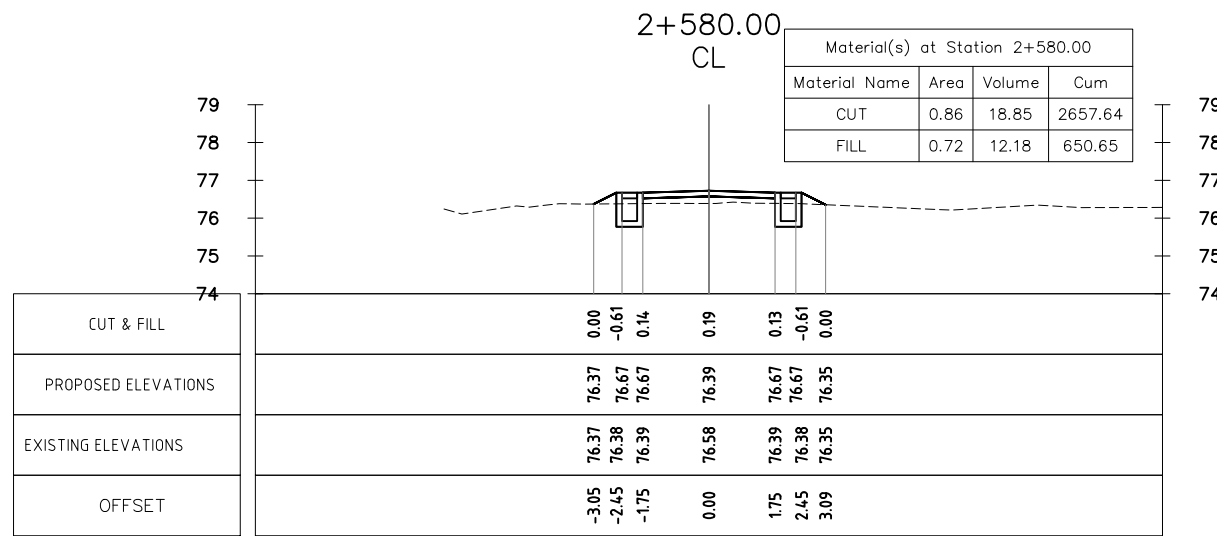
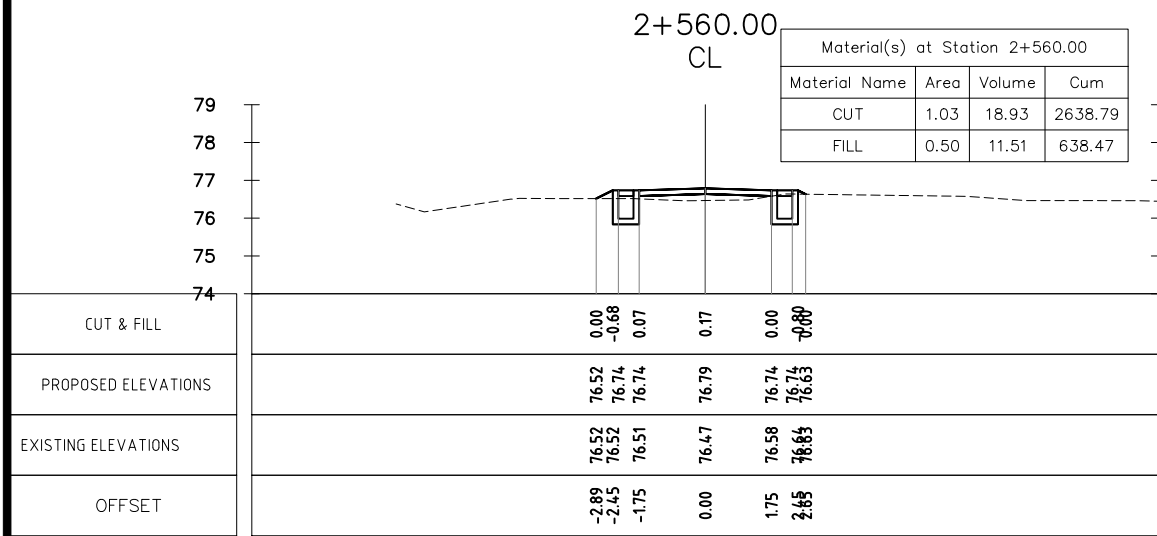
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PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 2+360-2+460

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-219
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

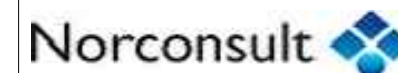
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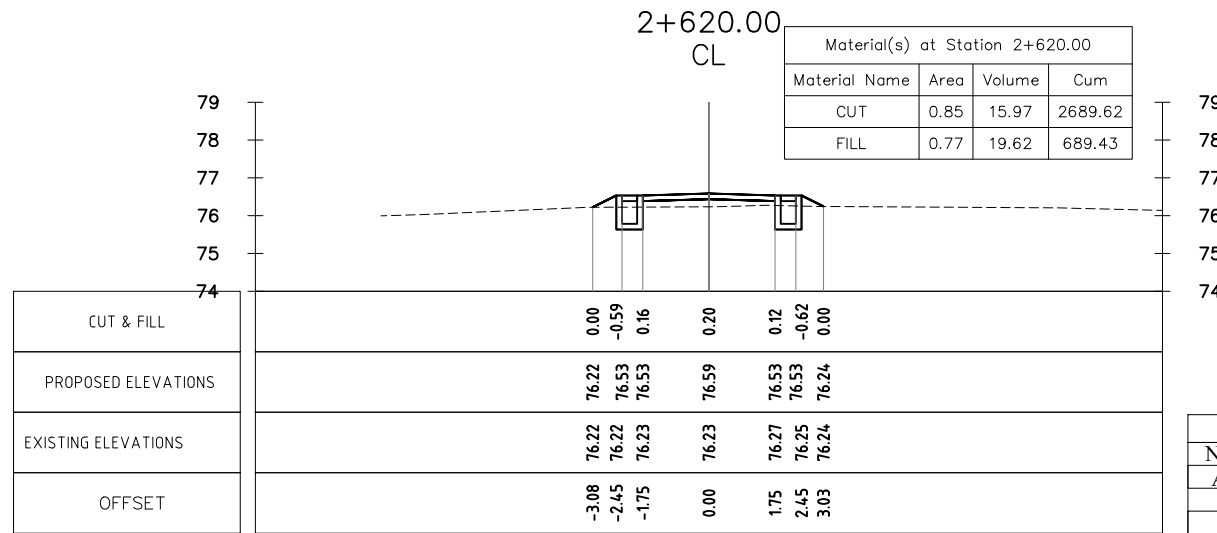
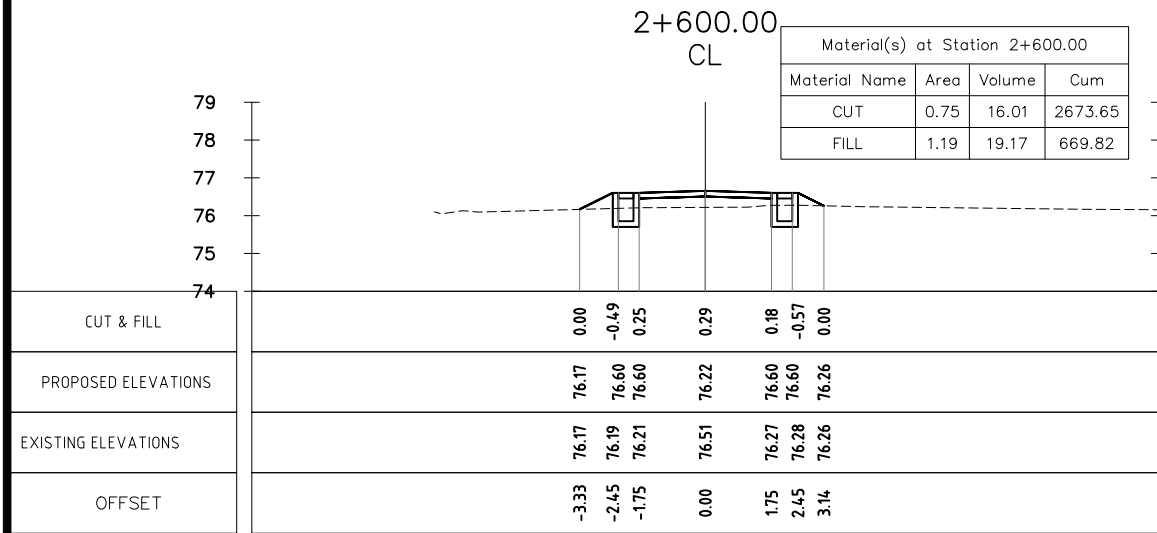
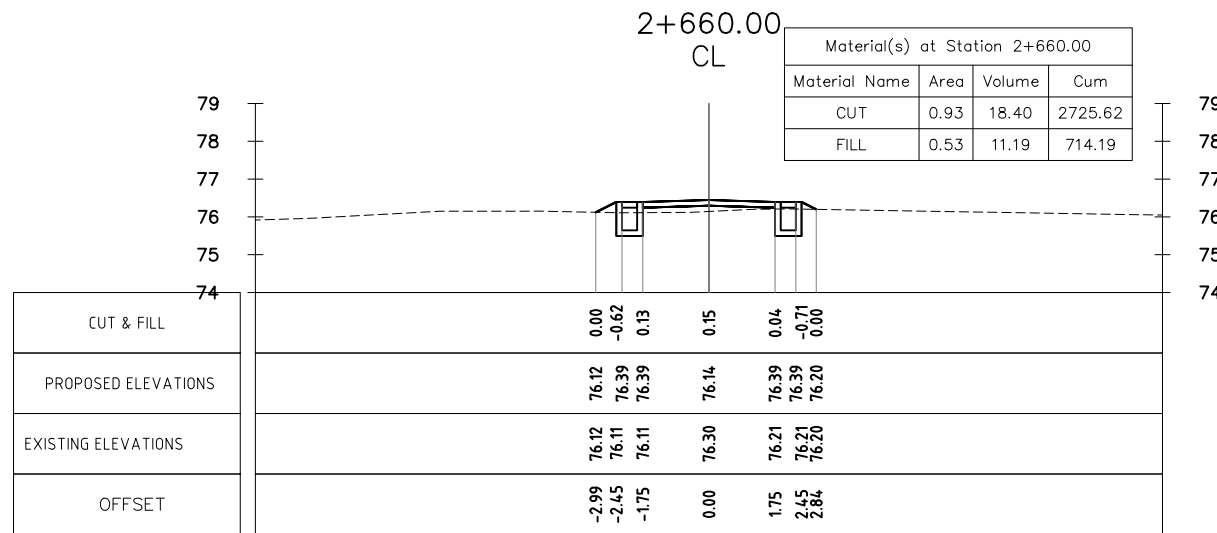
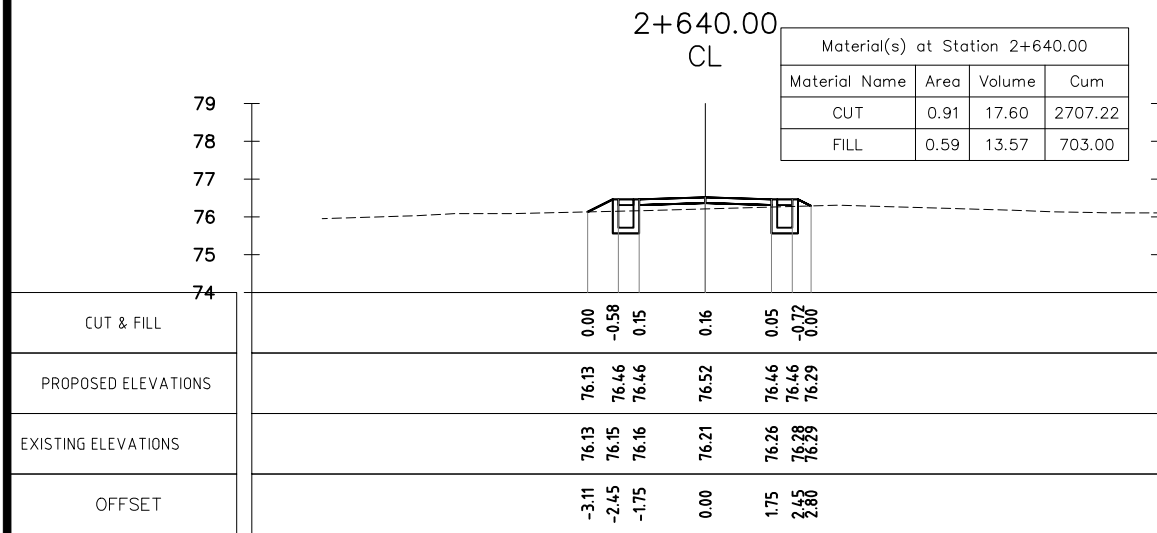
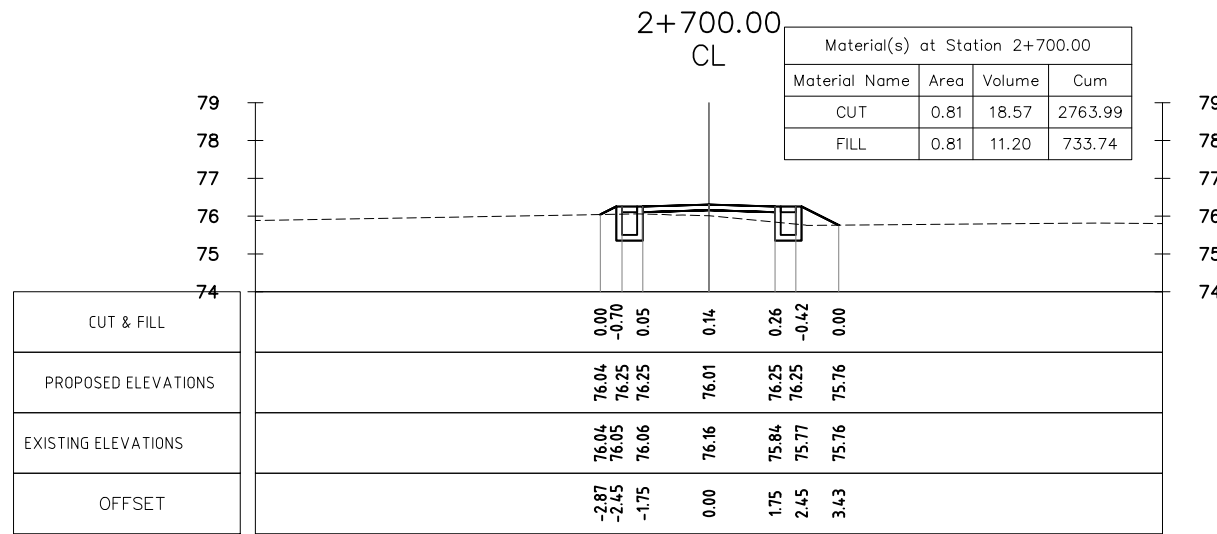
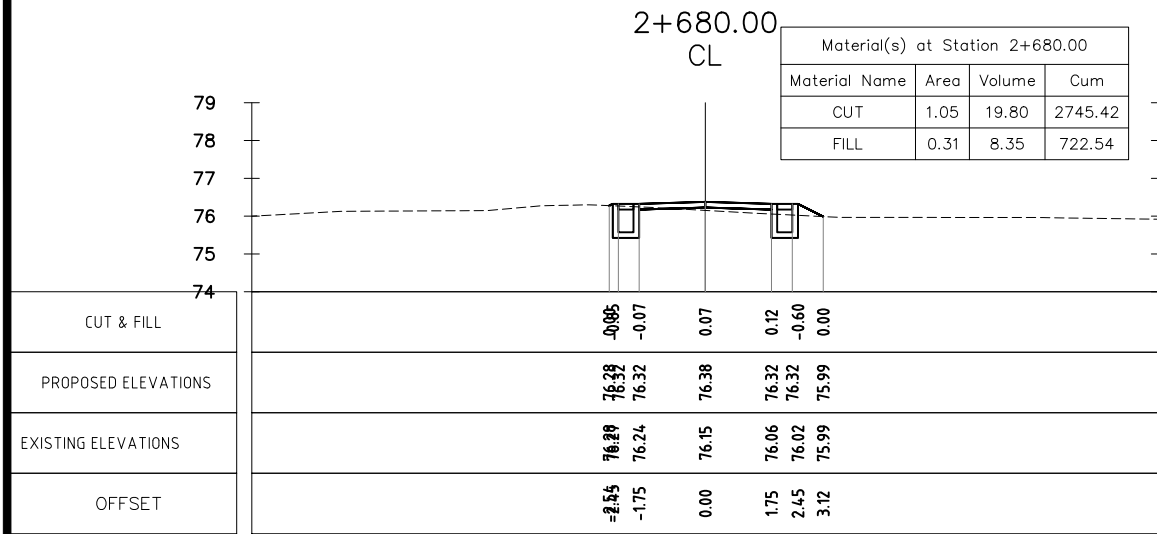
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 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



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 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 2+480-2+580			
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-220



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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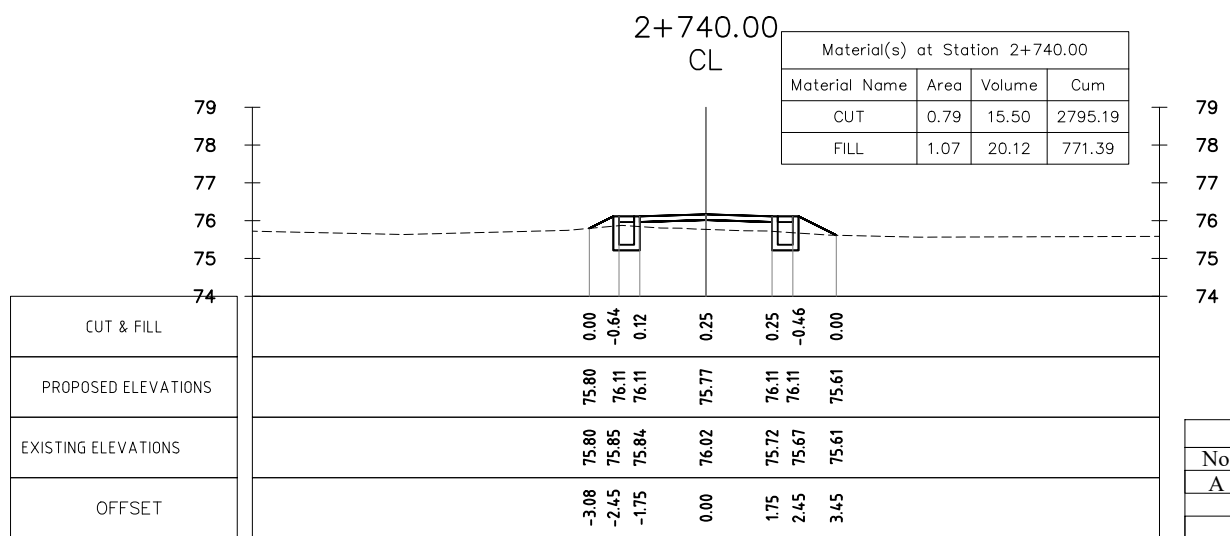
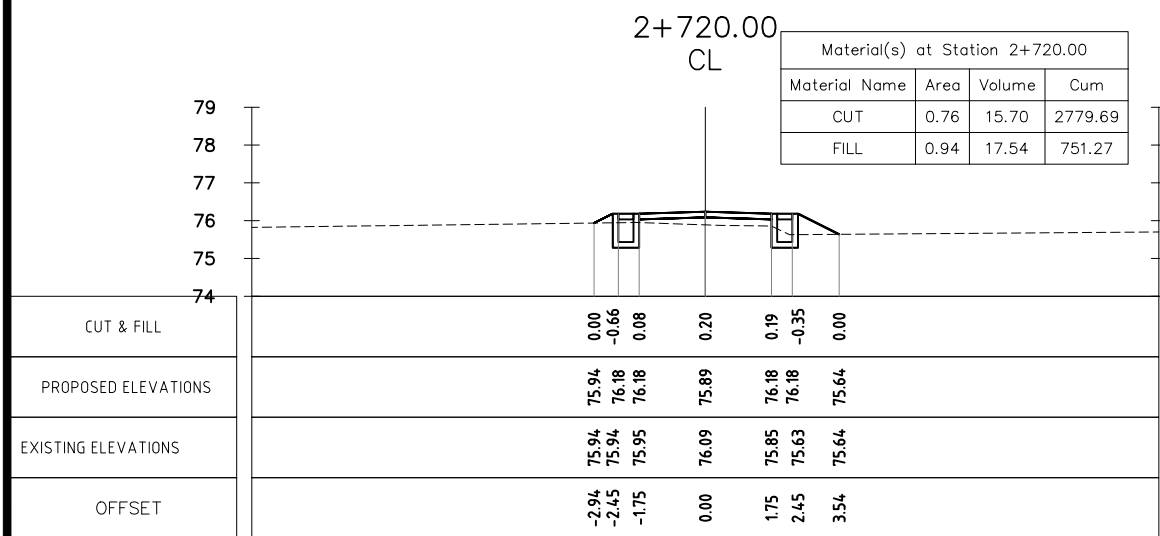
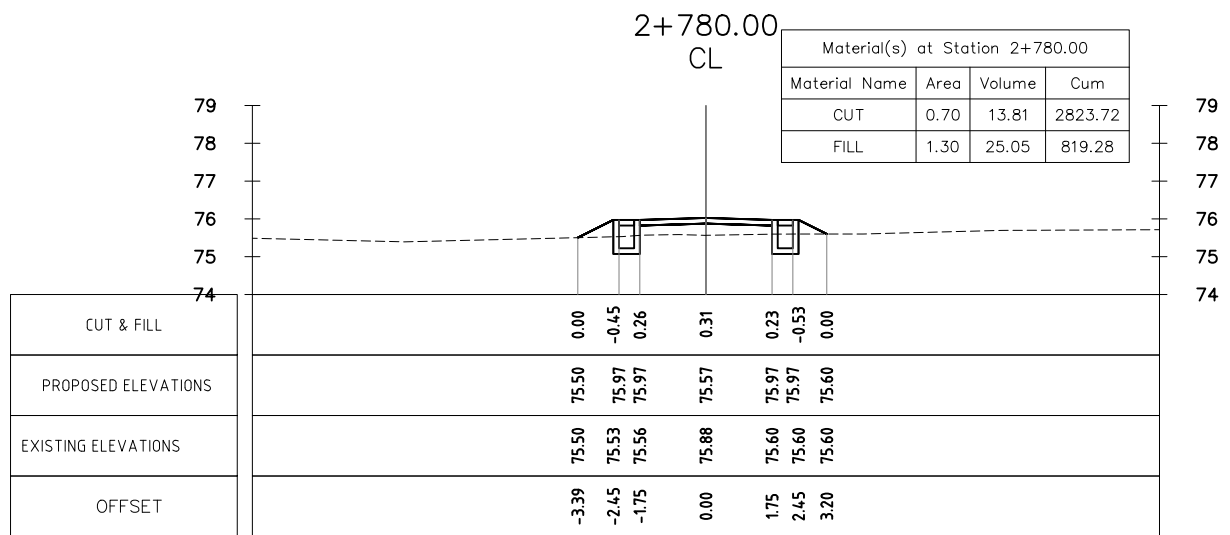
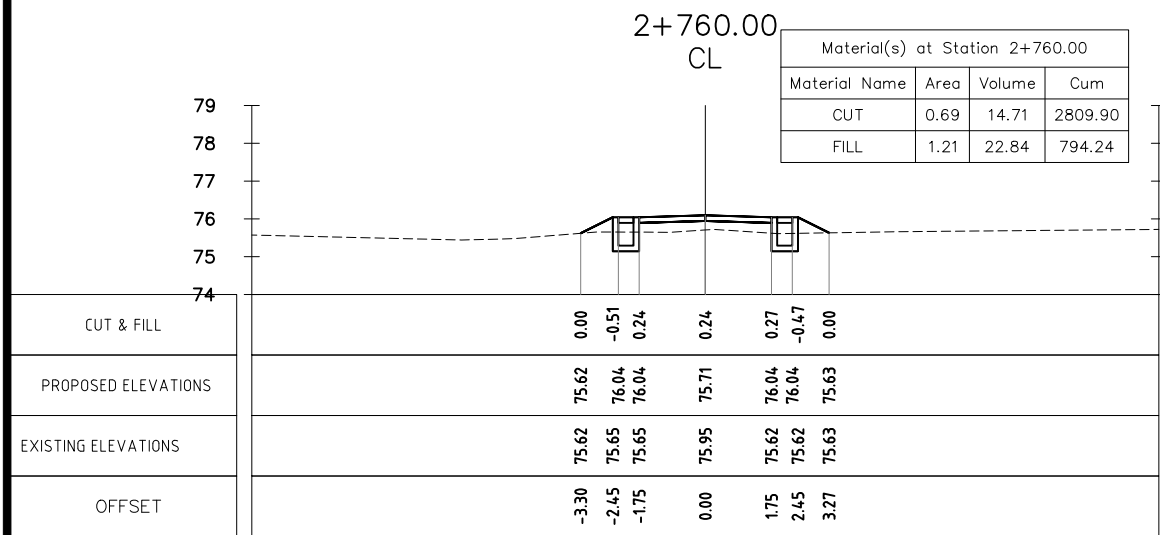
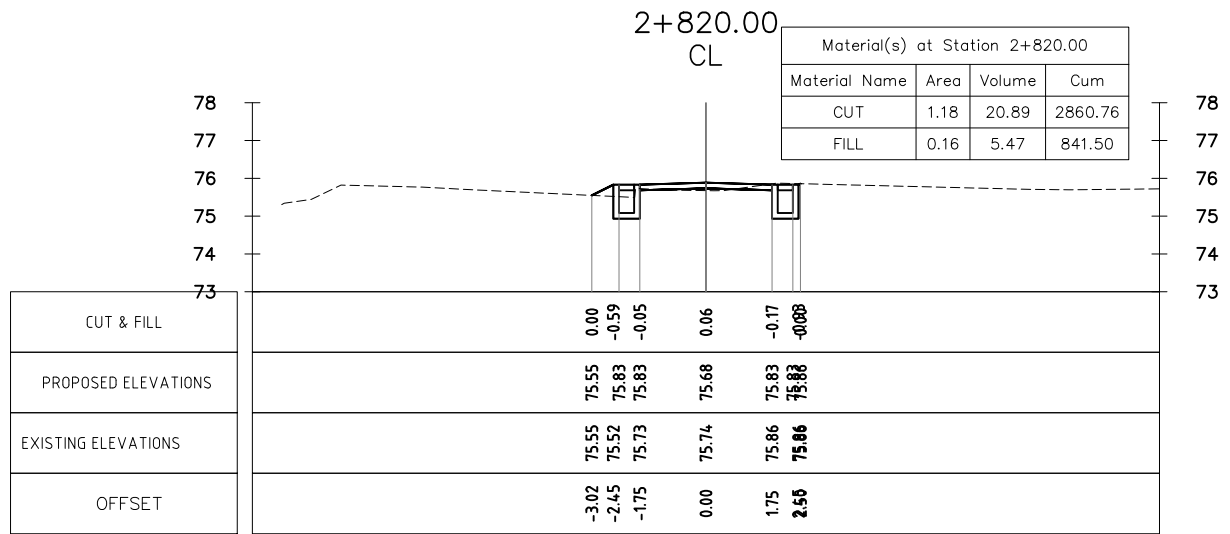
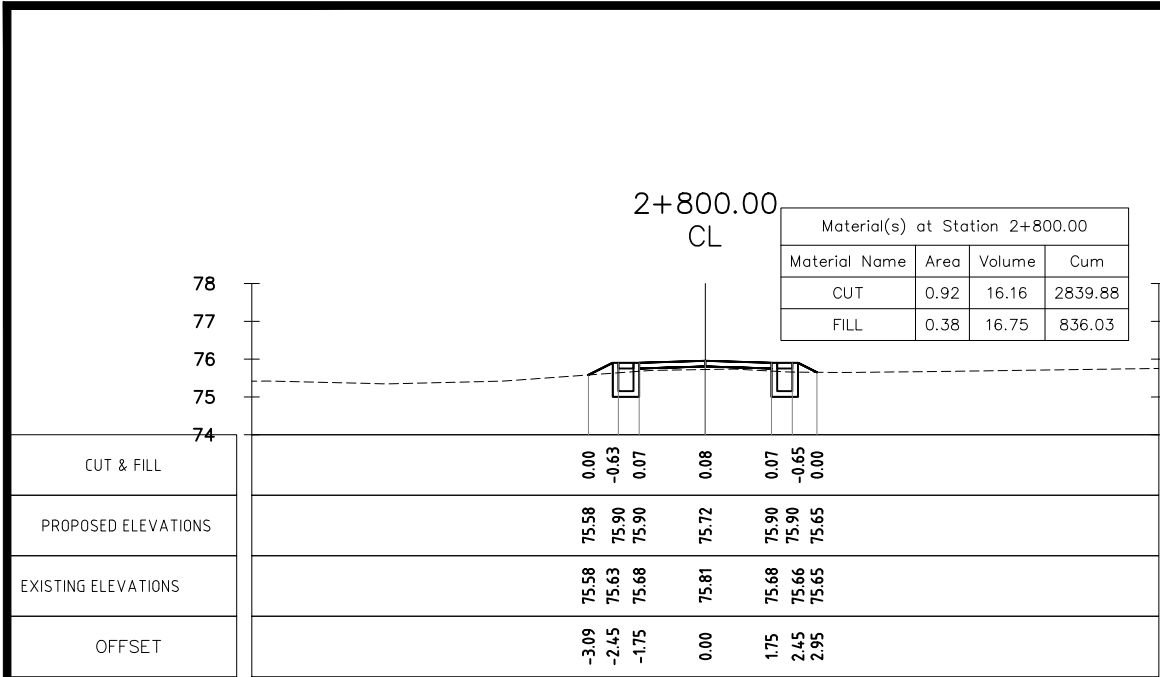
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 2+600-2+700

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-221
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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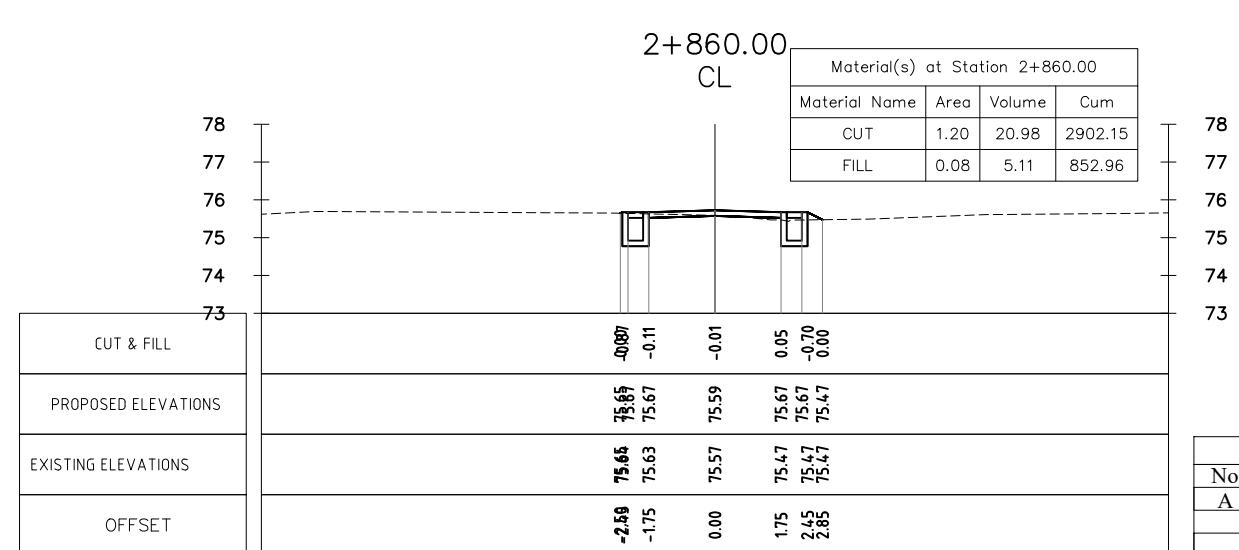
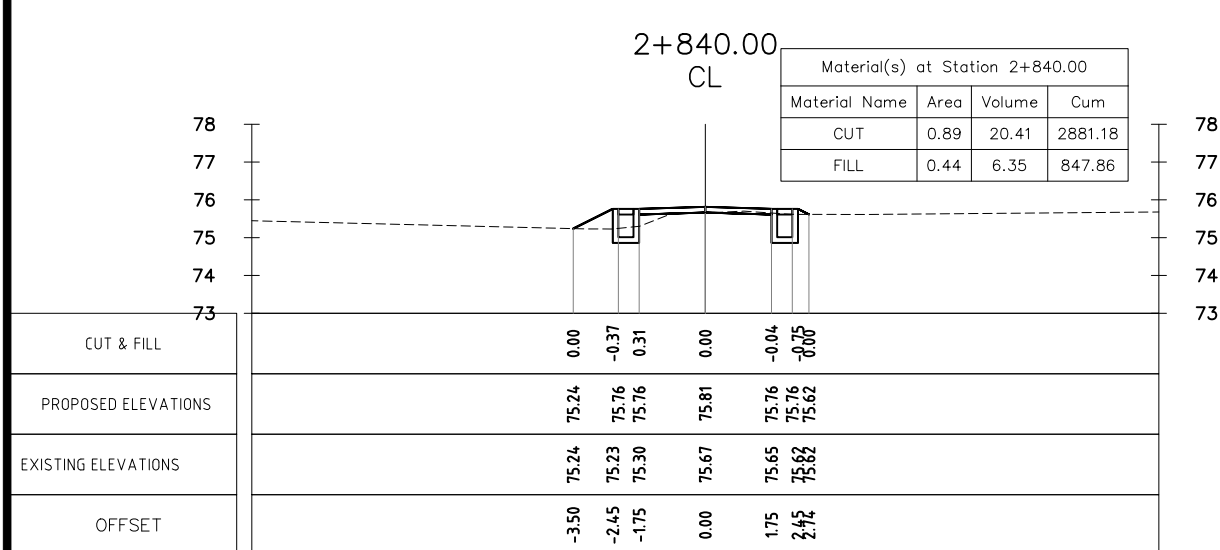
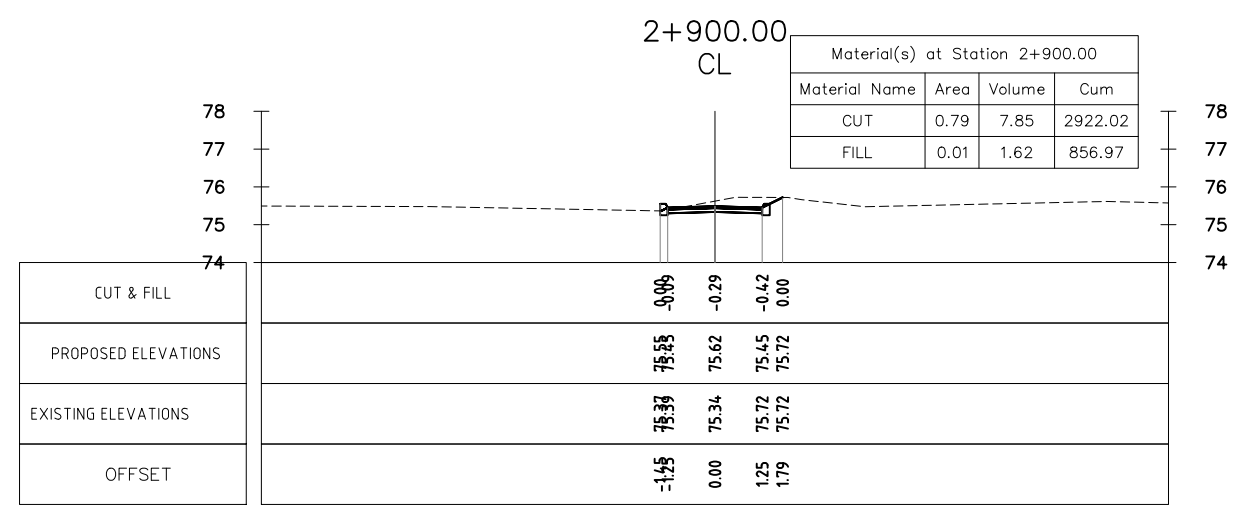
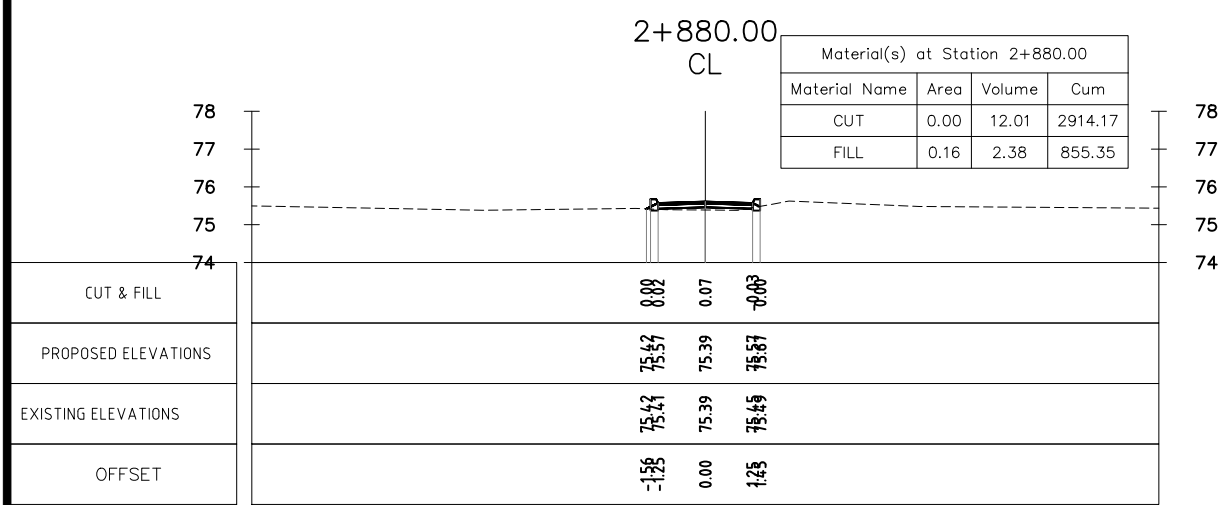
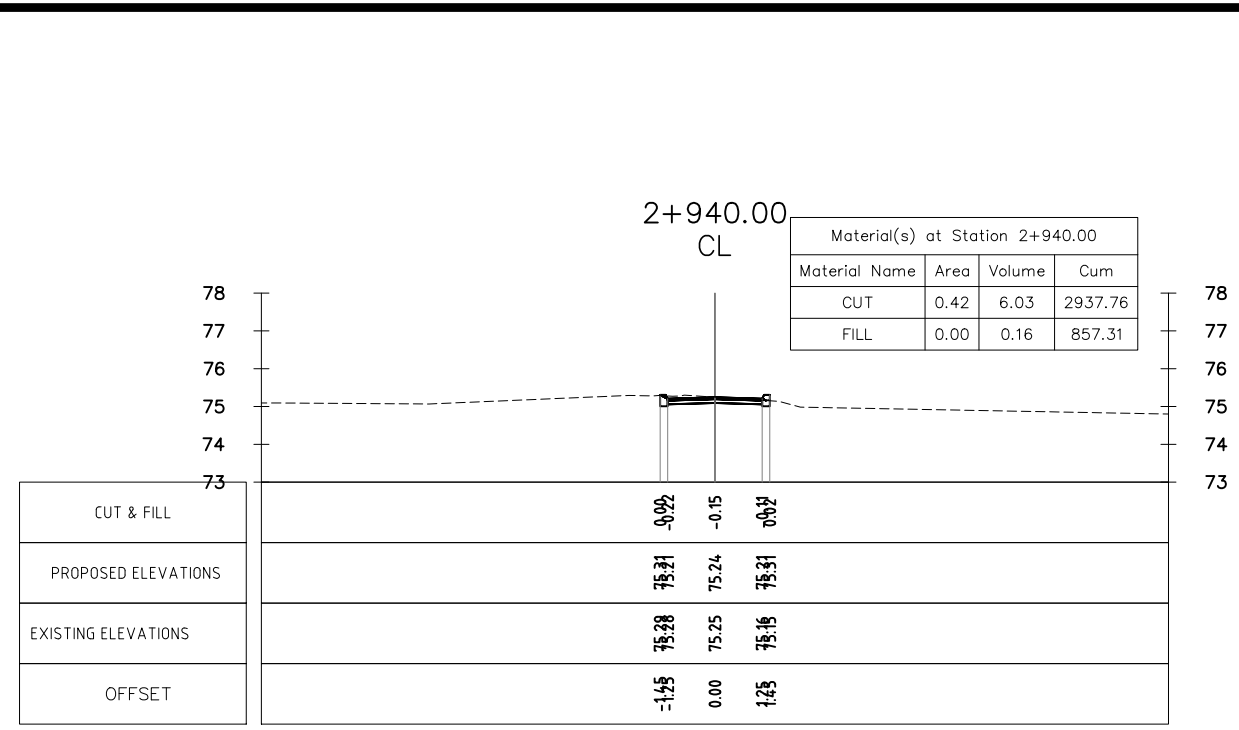
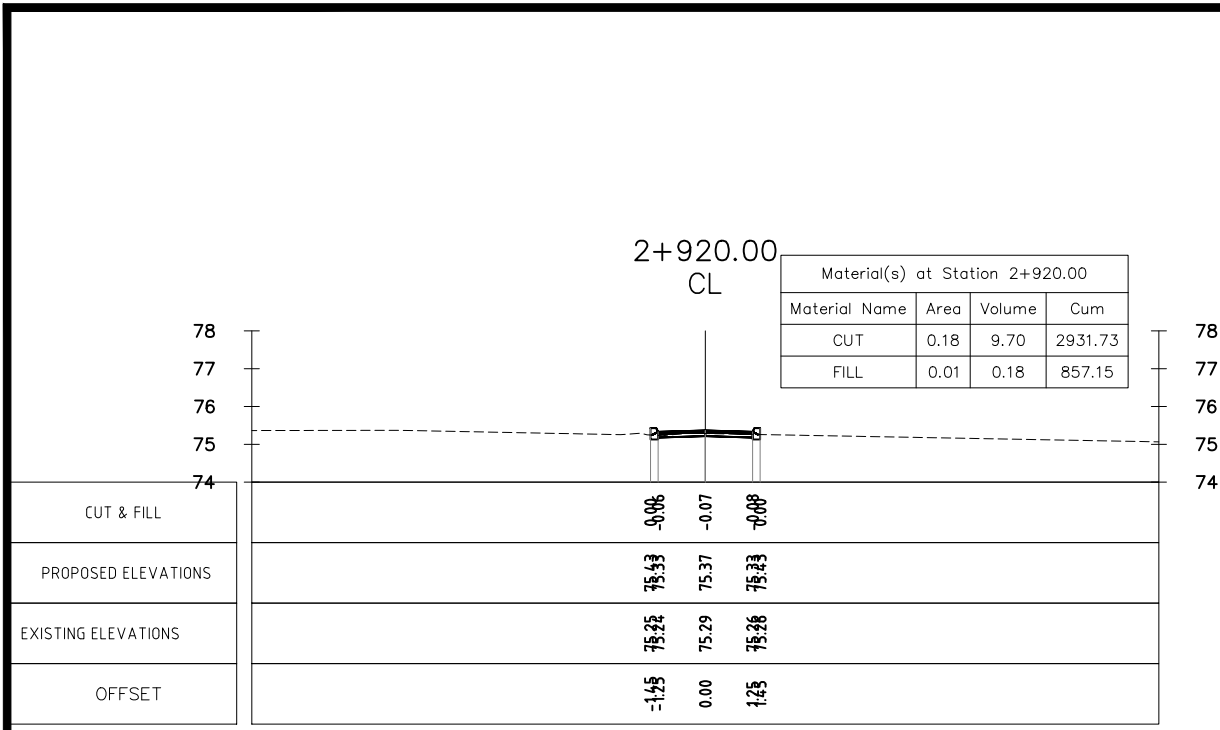
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 2+720-2+820

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-222
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

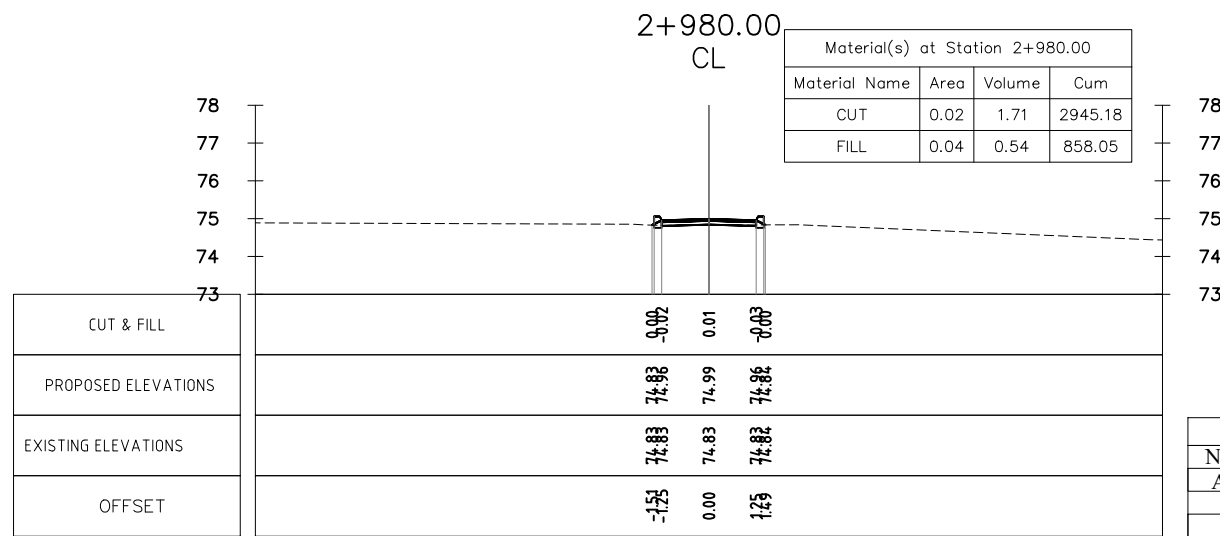
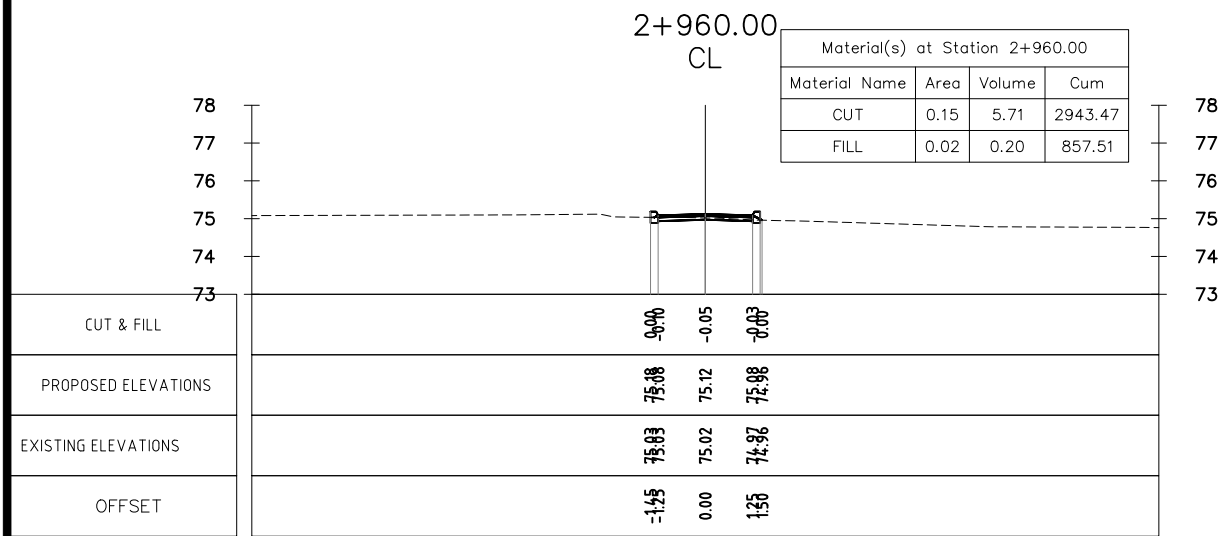
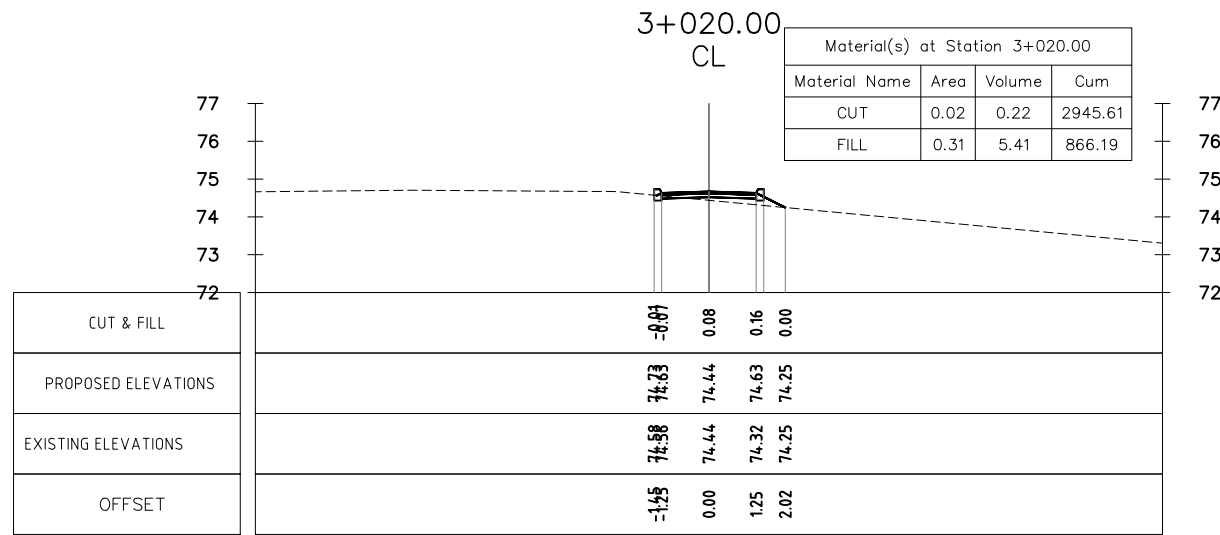
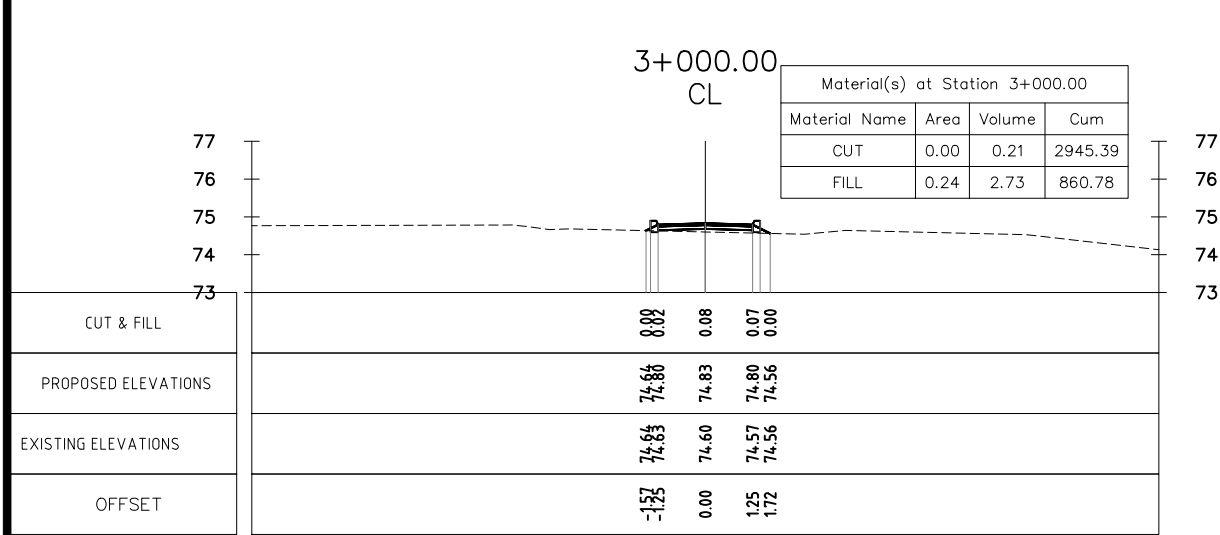
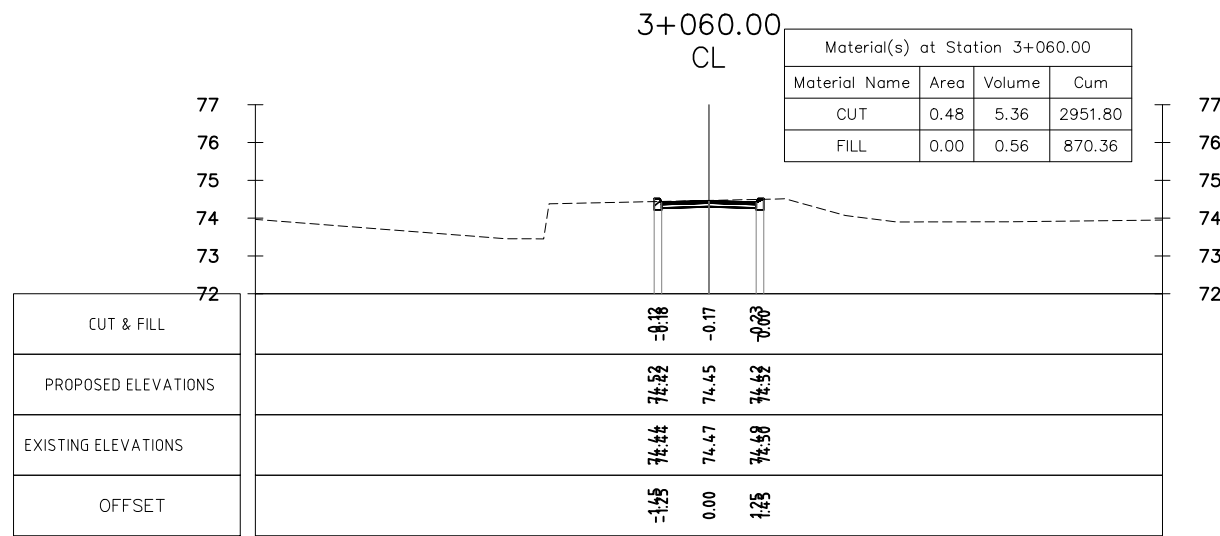
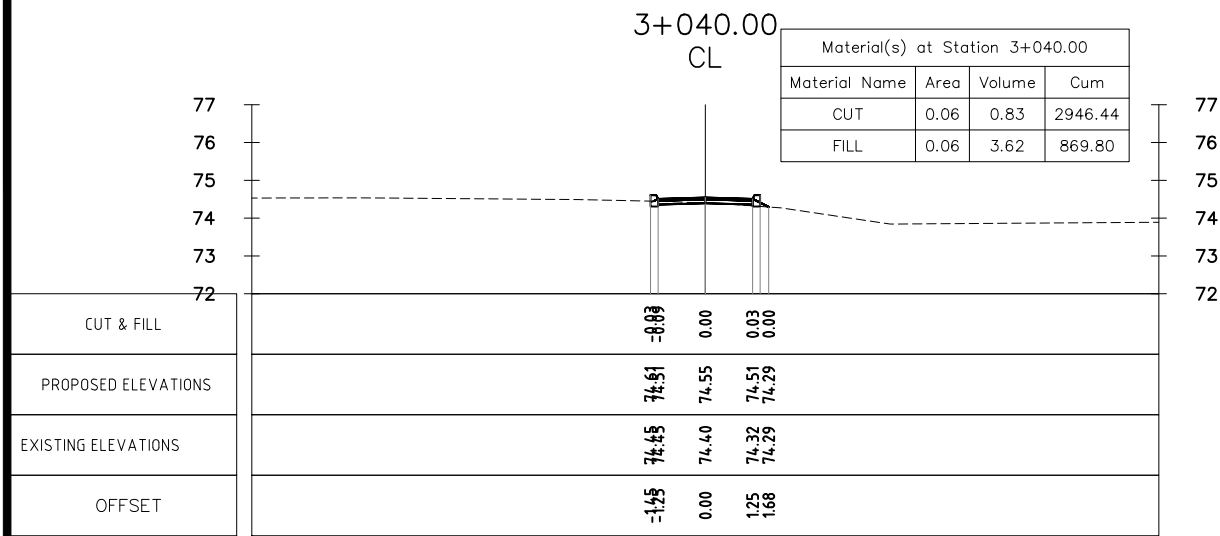
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 2+840-2+940

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-223
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

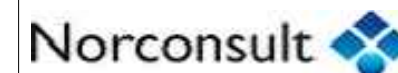
Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

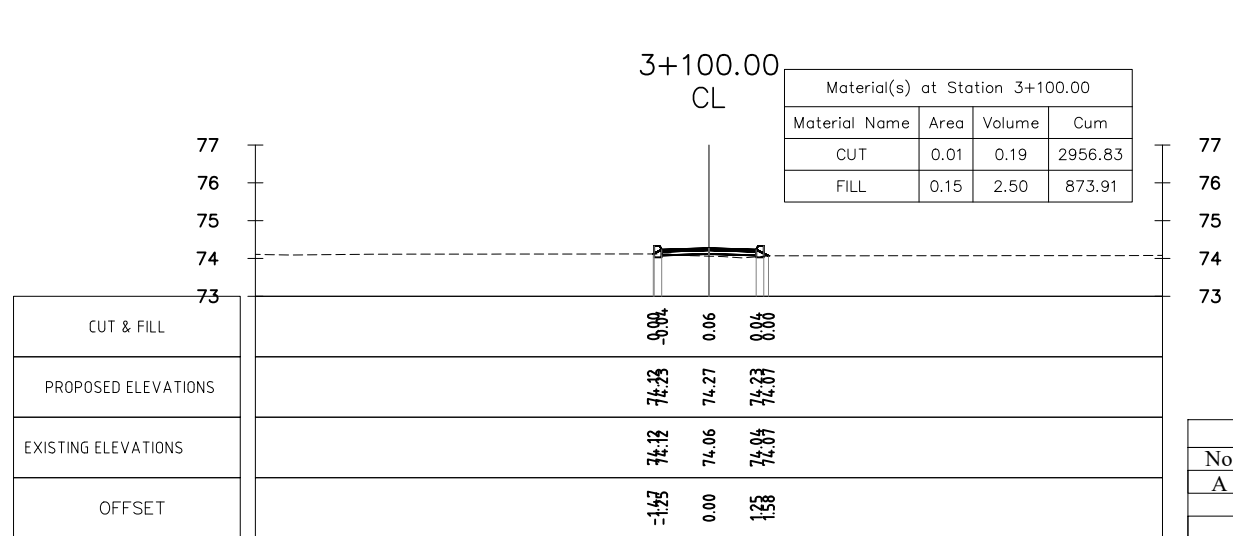
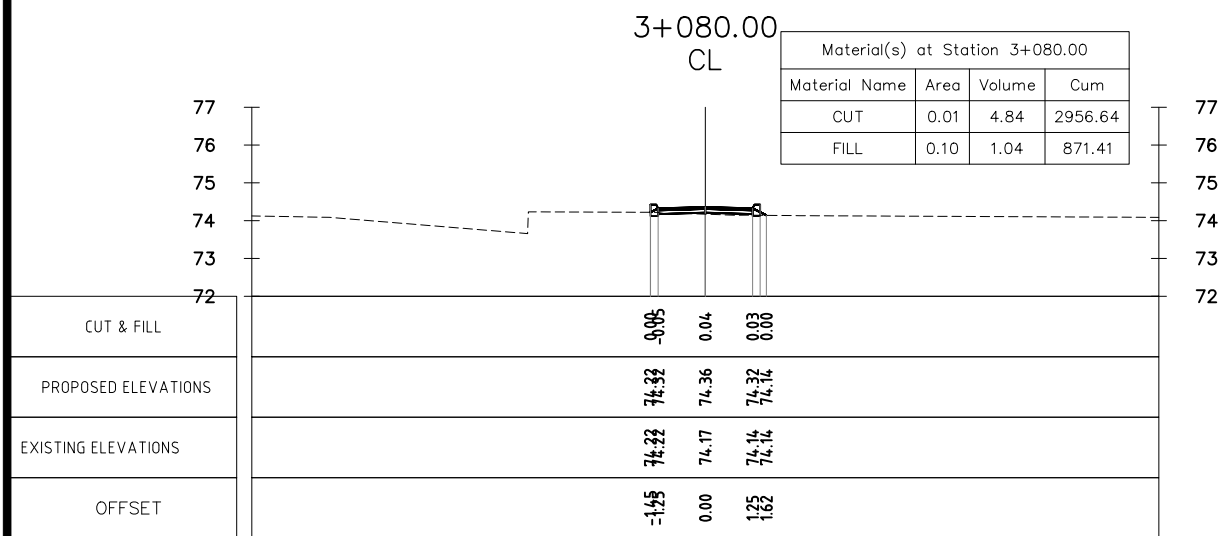
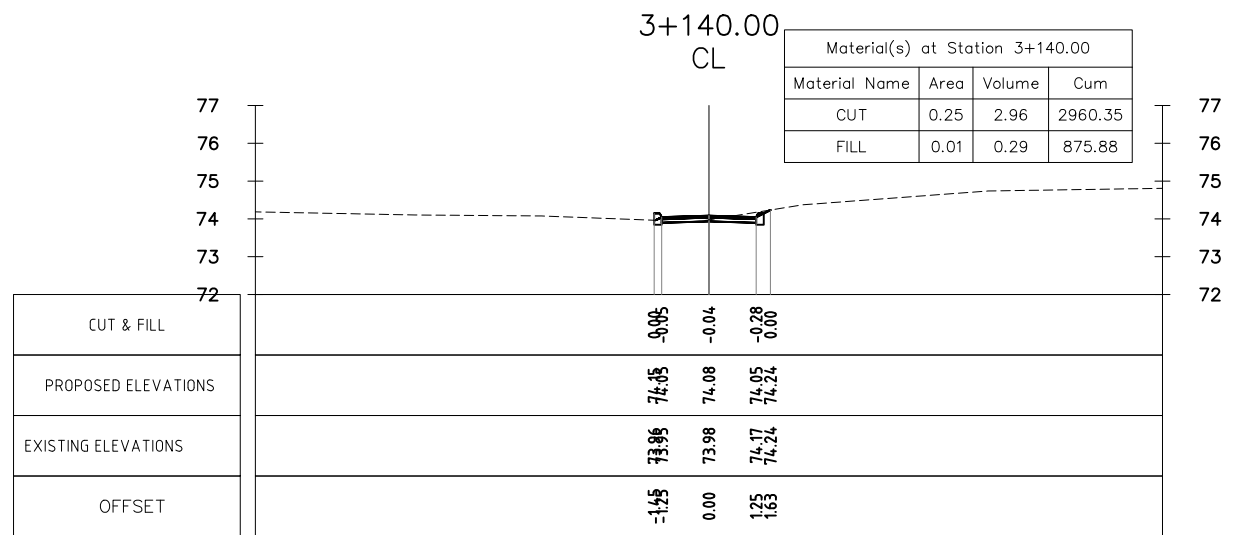
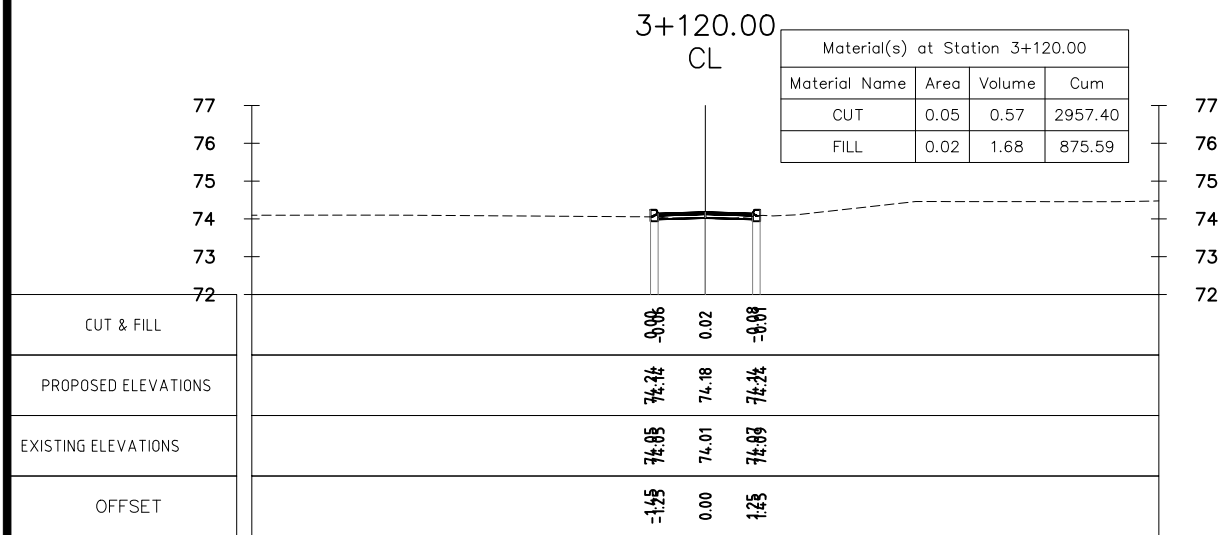
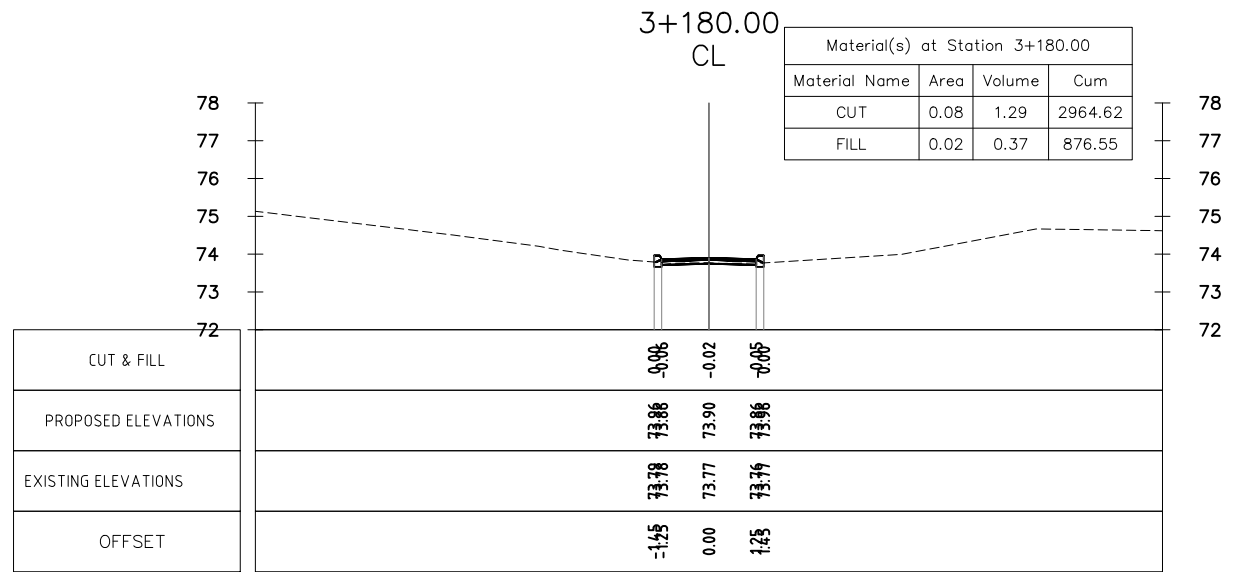
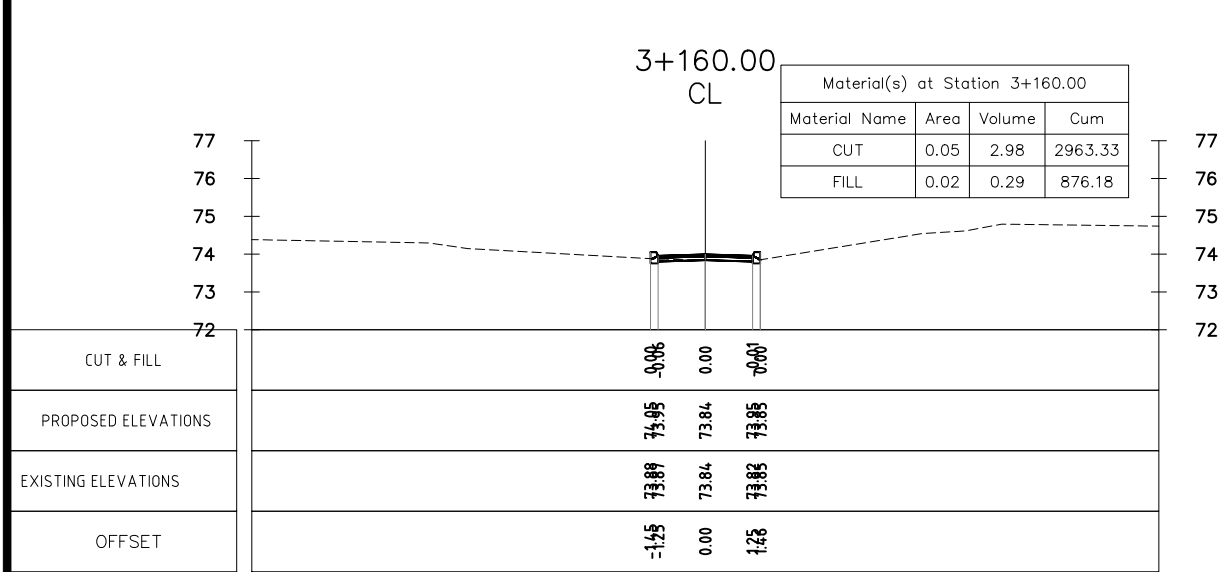


LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE :		WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 2+960-3+060	
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-224





REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

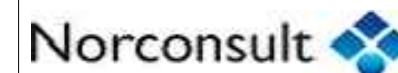
TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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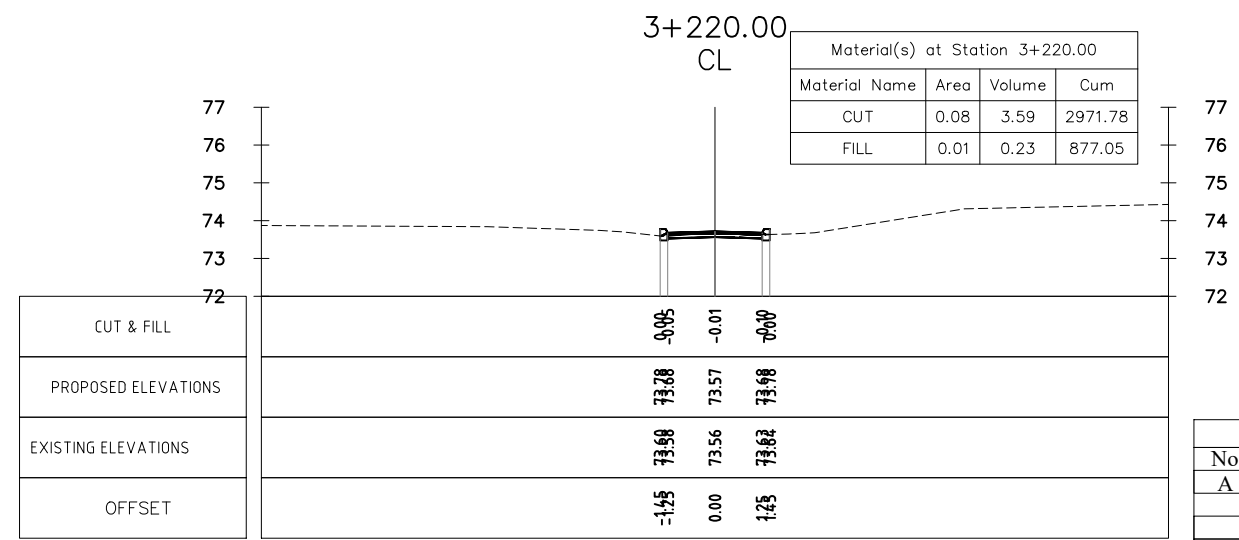
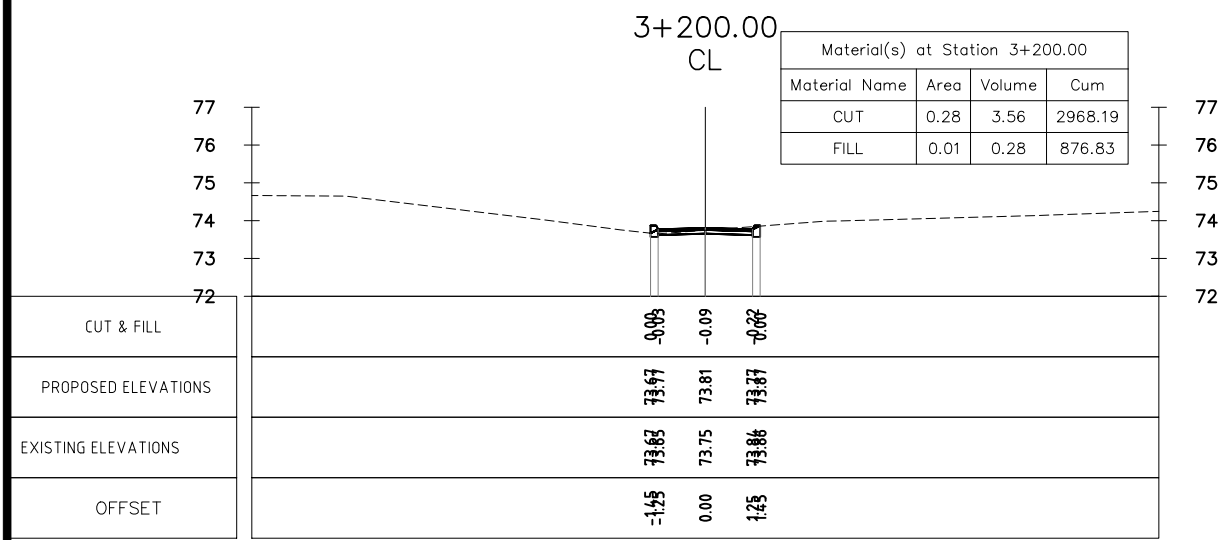
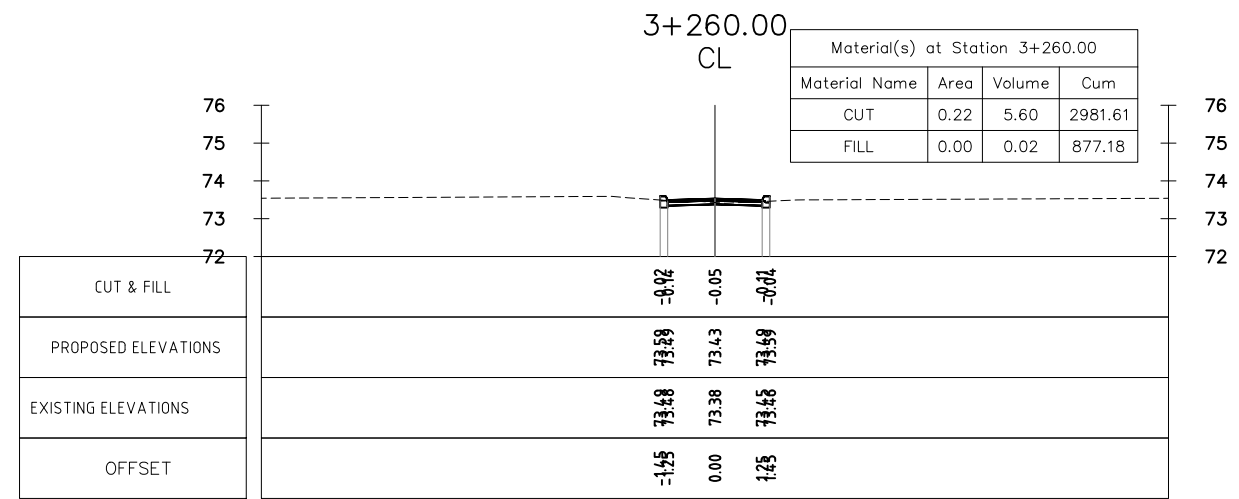
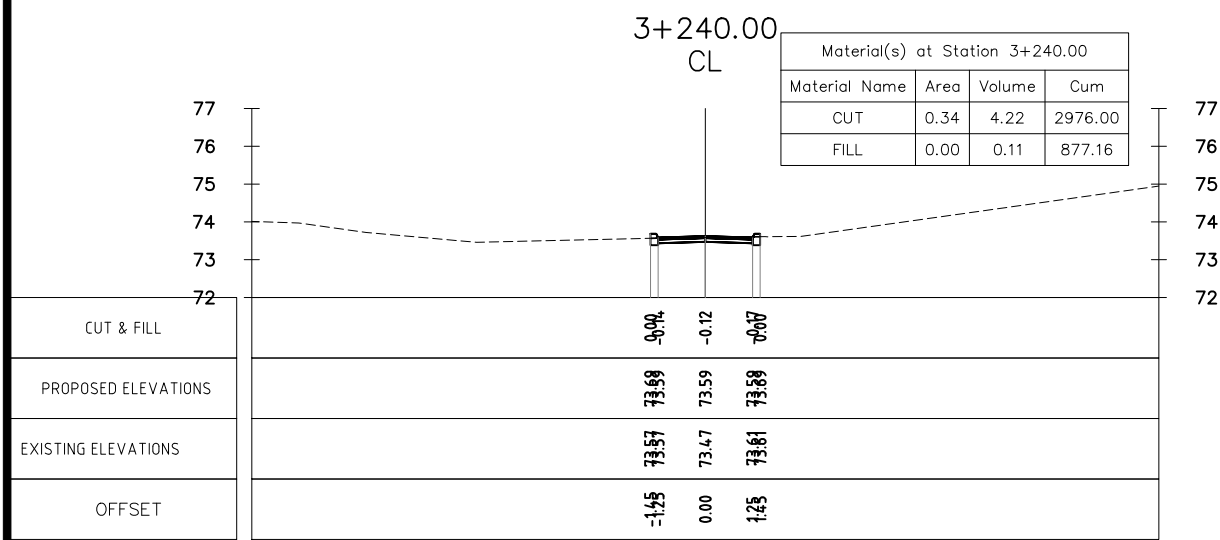
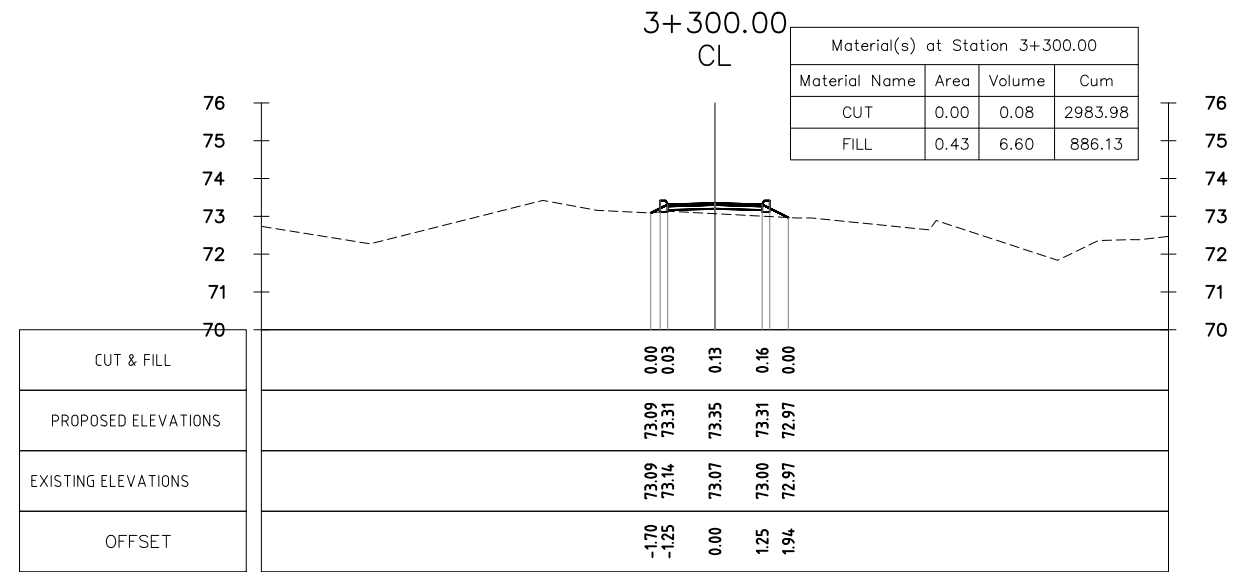
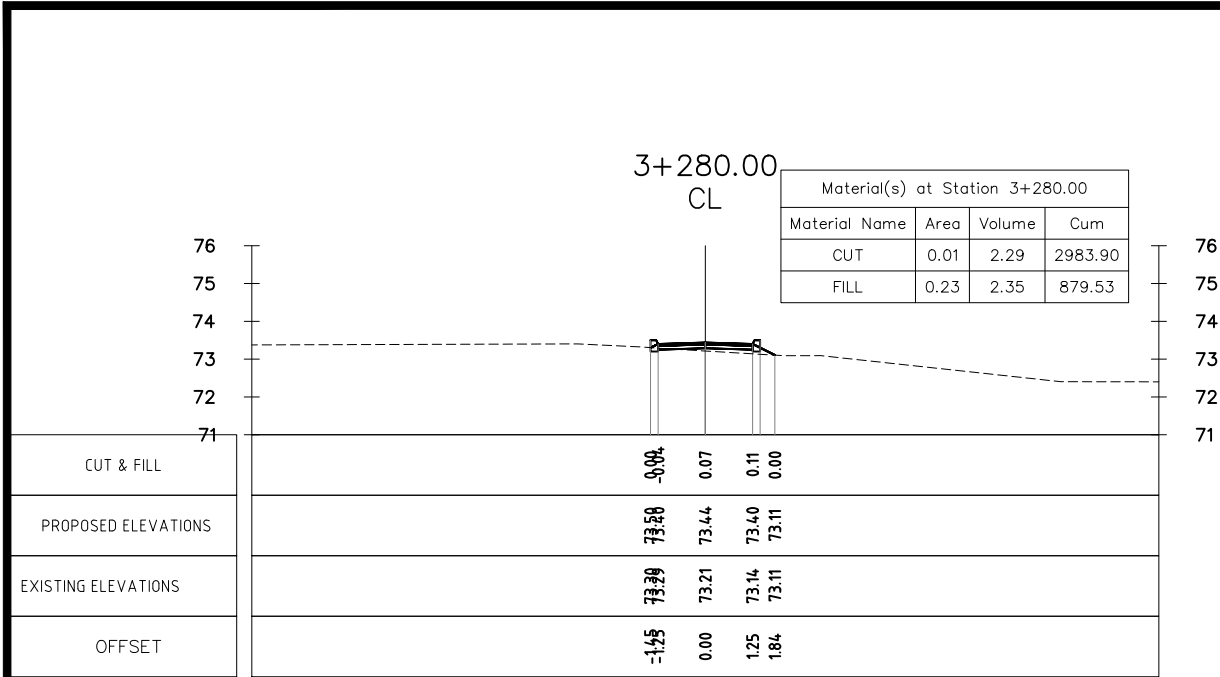
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 3+080-3+180

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-225
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18


Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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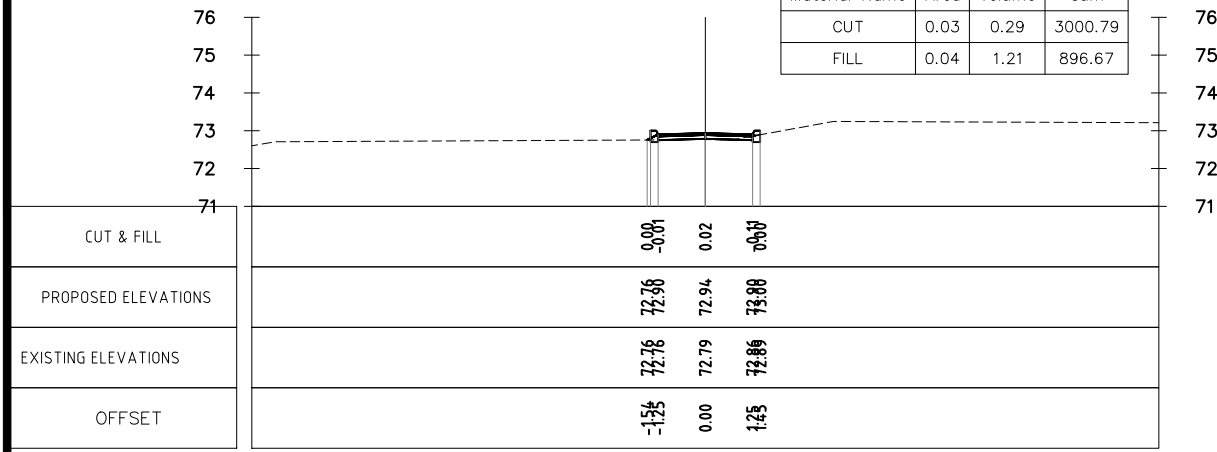
PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 3+200-3+300

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-226
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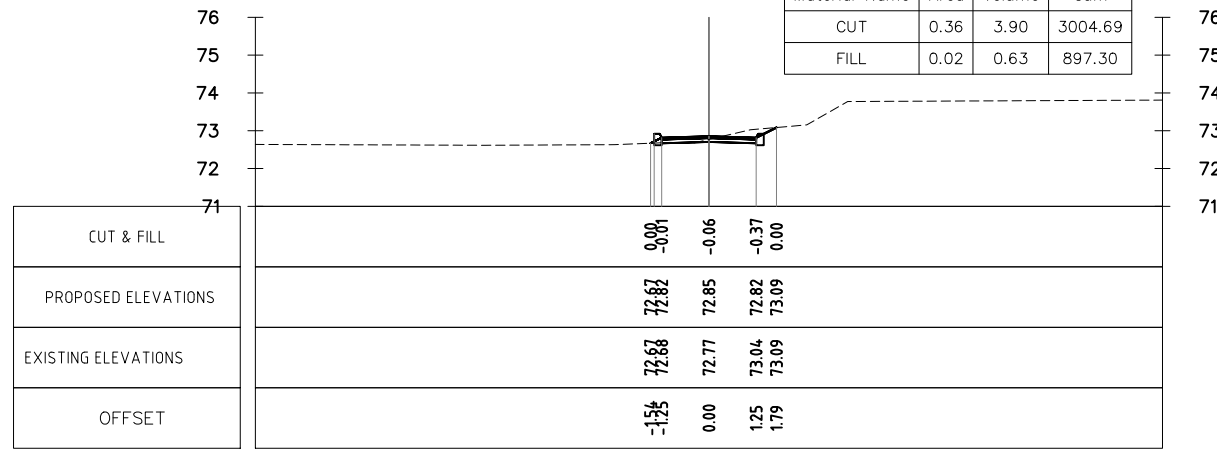
3+400.00  
CL

Material(s) at Station 3+400.00			
Material Name	Area	Volume	Cum
CUT	0.03	0.29	3000.79
FILL	0.04	1.21	896.67



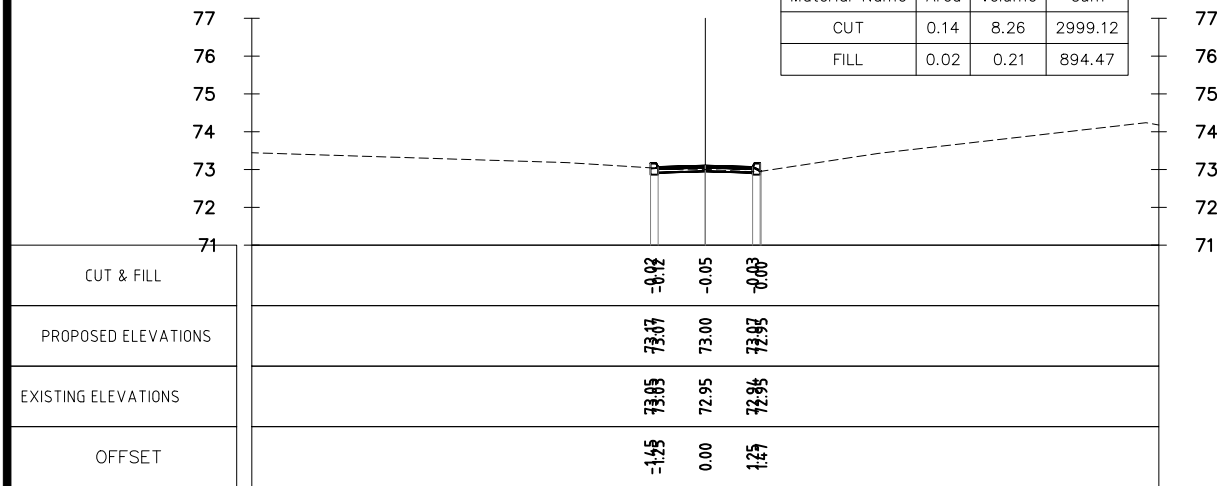
3+420.00  
CL

Material(s) at Station 3+420.00			
Material Name	Area	Volume	Cum
CUT	0.36	3.90	3004.69
FILL	0.02	0.63	897.30



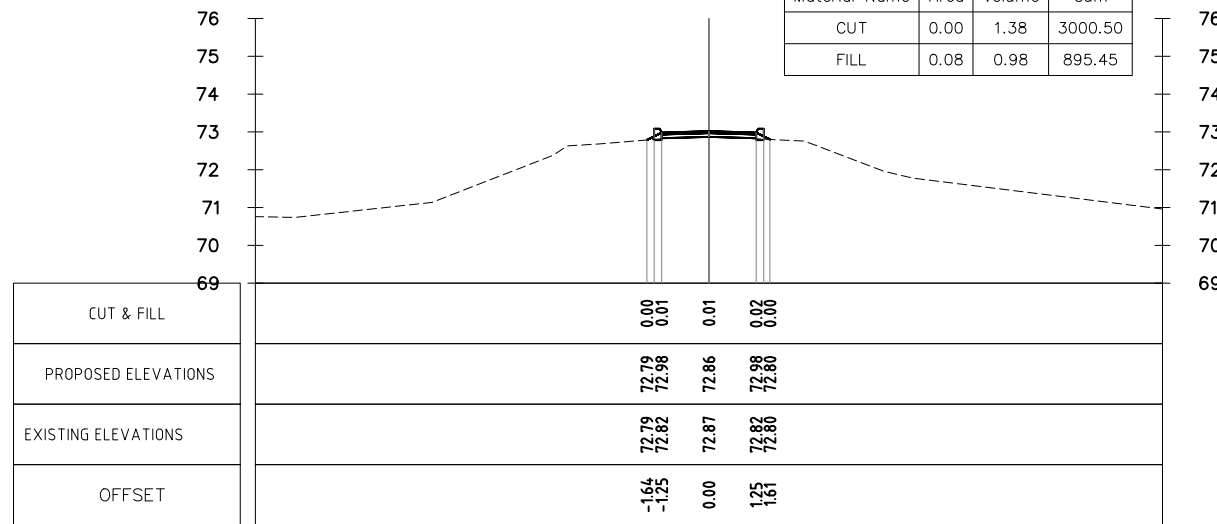
3+360.00  
CL

Material(s) at Station 3+360.00			
Material Name	Area	Volume	Cum
CUT	0.14	8.26	2999.12
FILL	0.02	0.21	894.47



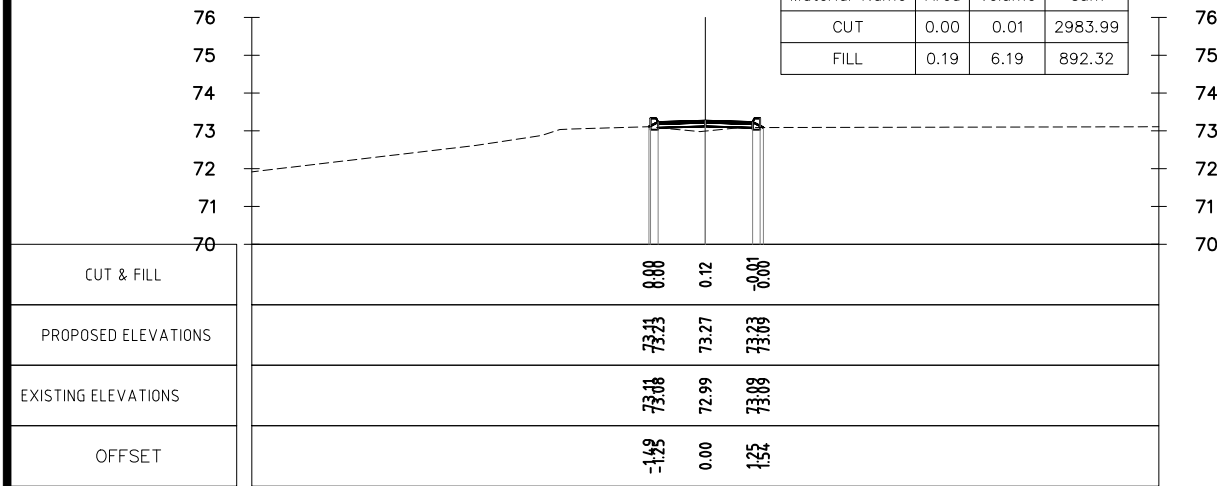
3+380.00  
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CUT	0.00	1.38	3000.50
FILL	0.08	0.98	895.45



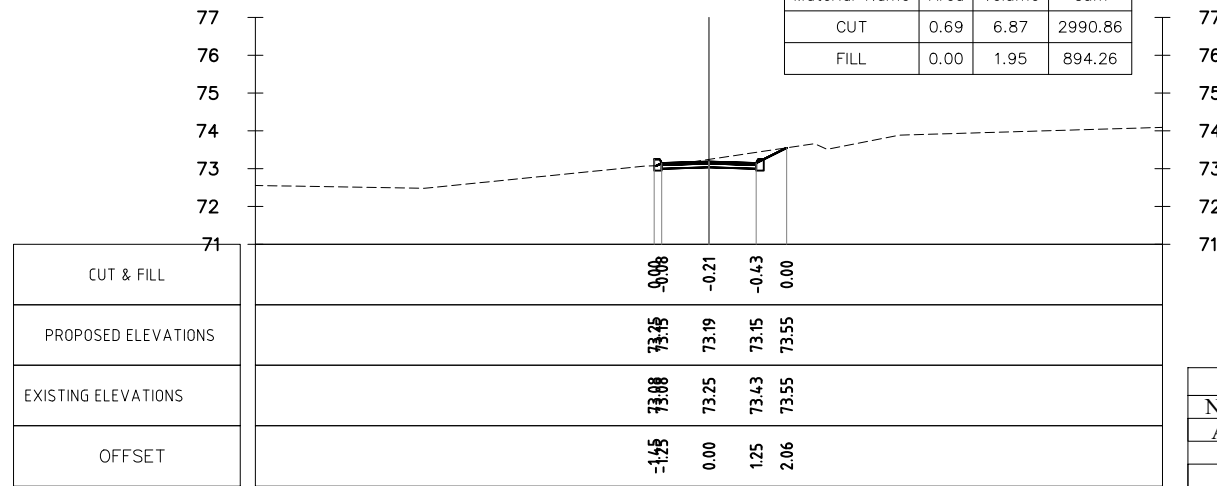
3+320.00  
CL

Material(s) at Station 3+320.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.01	2983.99
FILL	0.19	6.19	892.32



3+340.00  
CL

Material(s) at Station 3+340.00			
Material Name	Area	Volume	Cum
CUT	0.69	6.87	2990.86
FILL	0.00	1.95	894.26



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



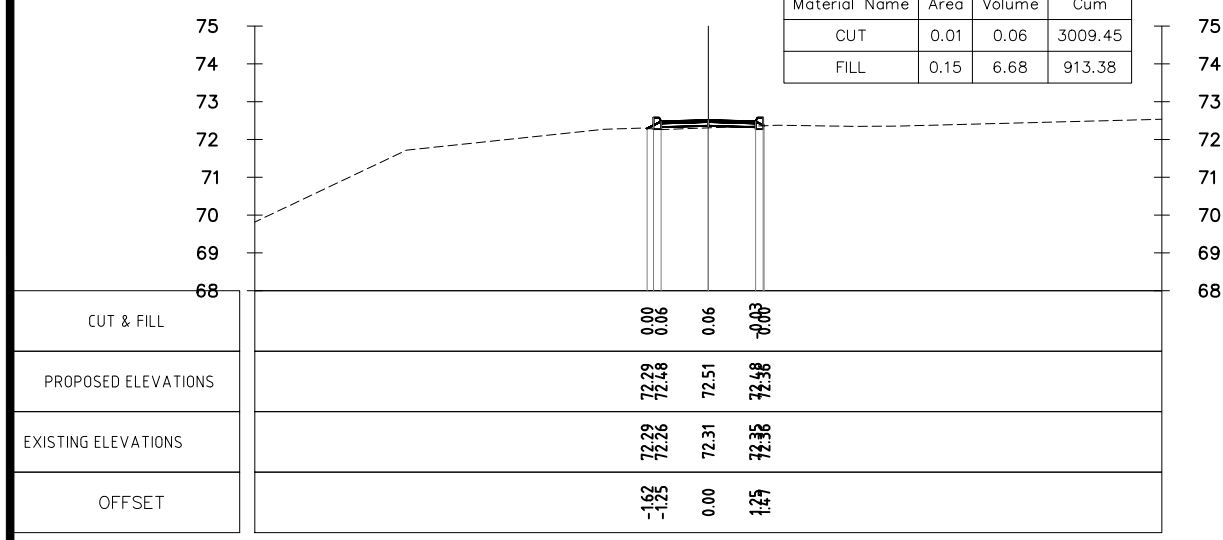
PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 3+320-3+420

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-227
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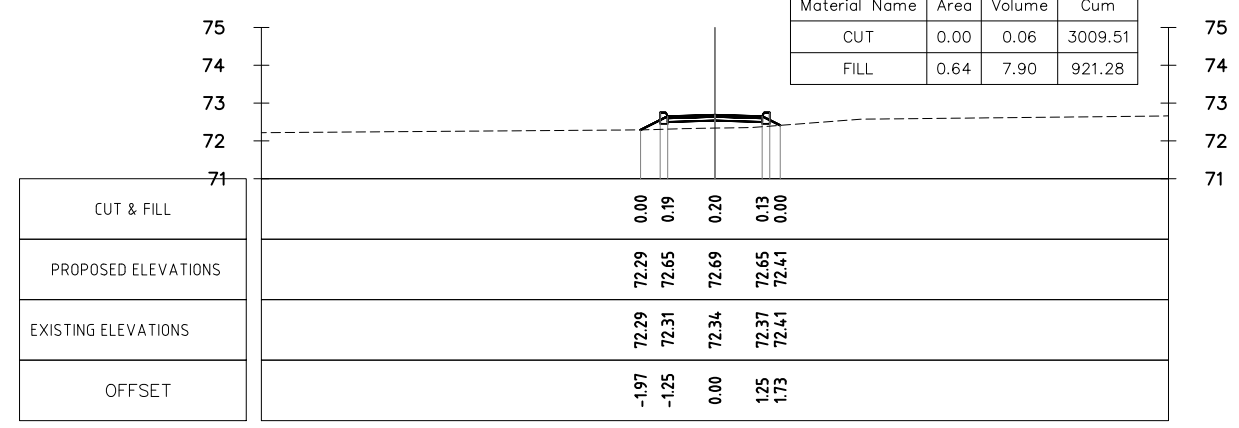
3+520.00  
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Material(s) at Station 3+520.00			
Material Name	Area	Volume	Cum
CUT	0.01	0.06	3009.45
FILL	0.15	6.68	913.38



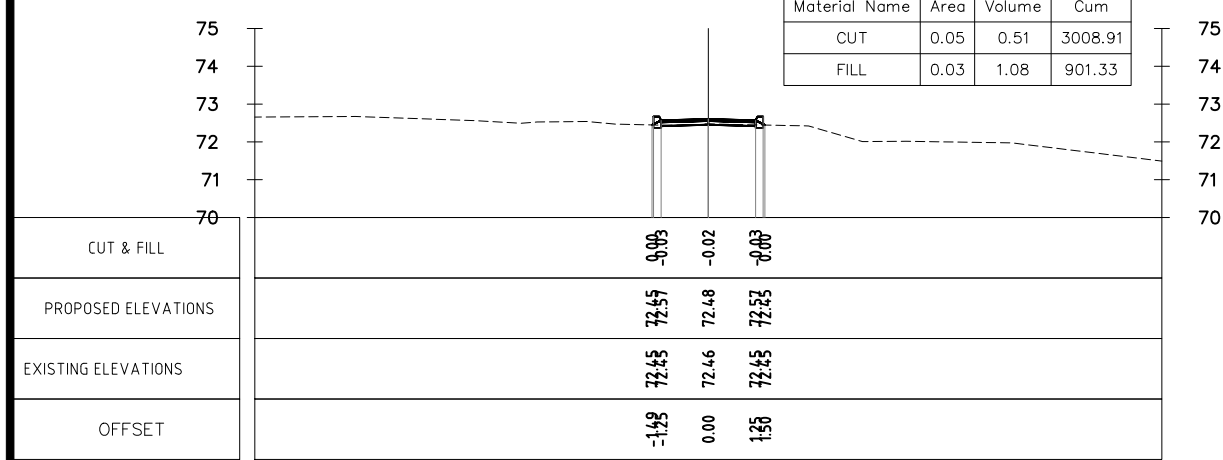
3+540.00  
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Material(s) at Station 3+540.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.06	3009.51
FILL	0.64	7.90	921.28



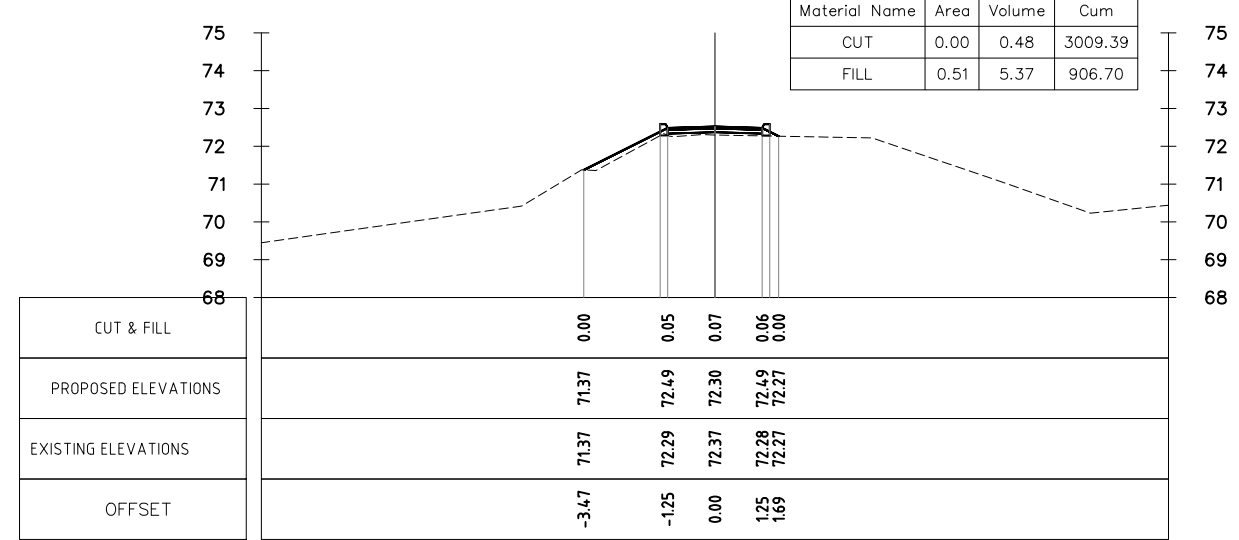
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Material(s) at Station 3+480.00			
Material Name	Area	Volume	Cum
CUT	0.05	0.51	3008.91
FILL	0.03	1.08	901.33



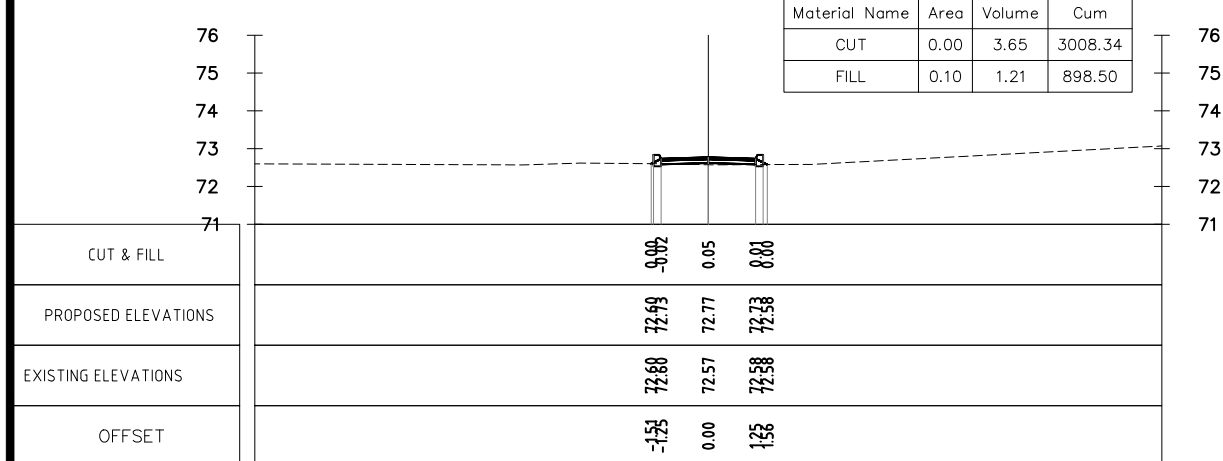
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Material(s) at Station 3+500.00			
Material Name	Area	Volume	Cum
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FILL	0.51	5.37	906.70



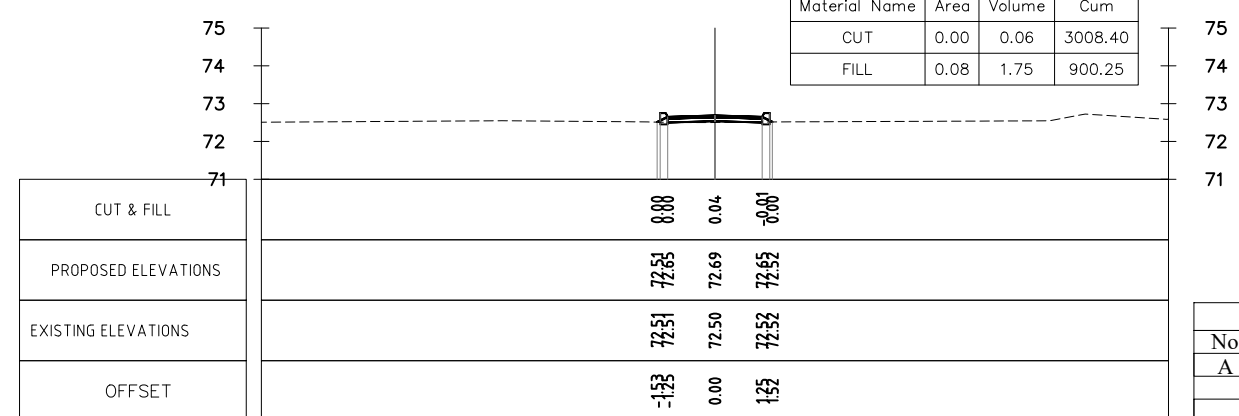
3+440.00  
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Material(s) at Station 3+440.00			
Material Name	Area	Volume	Cum
CUT	0.00	3.65	3008.34
FILL	0.10	1.21	898.50



3+460.00  
CL

Material(s) at Station 3+460.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.06	3008.40
FILL	0.08	1.75	900.25



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR



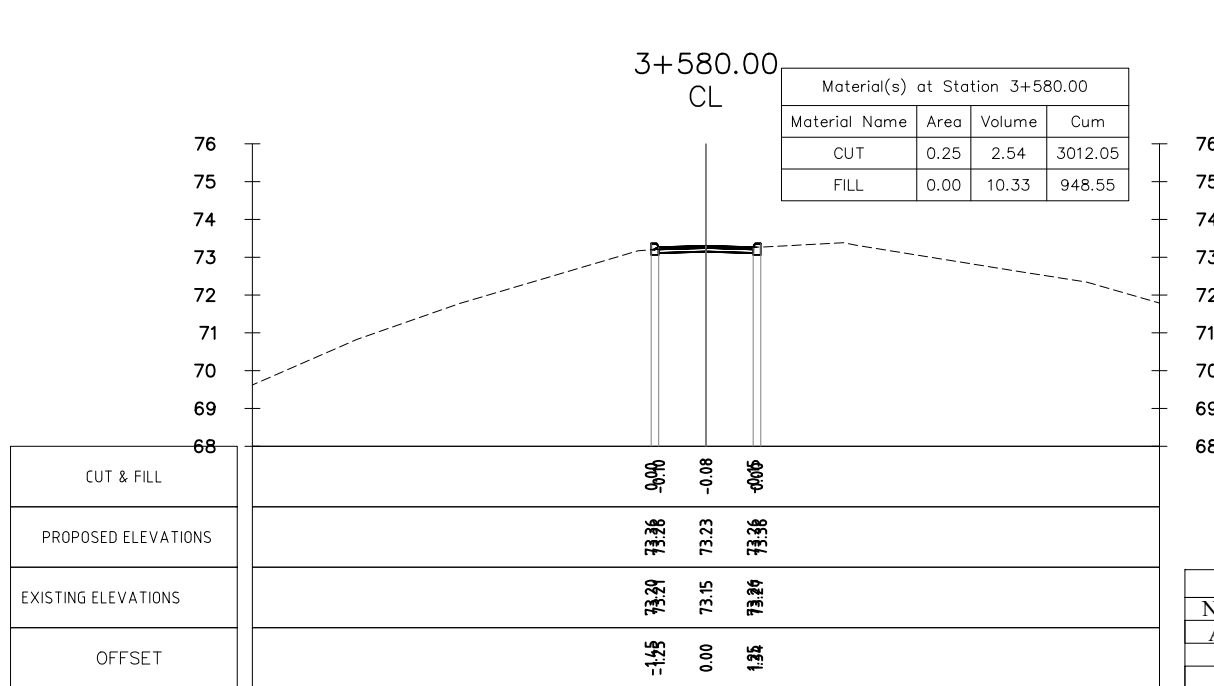
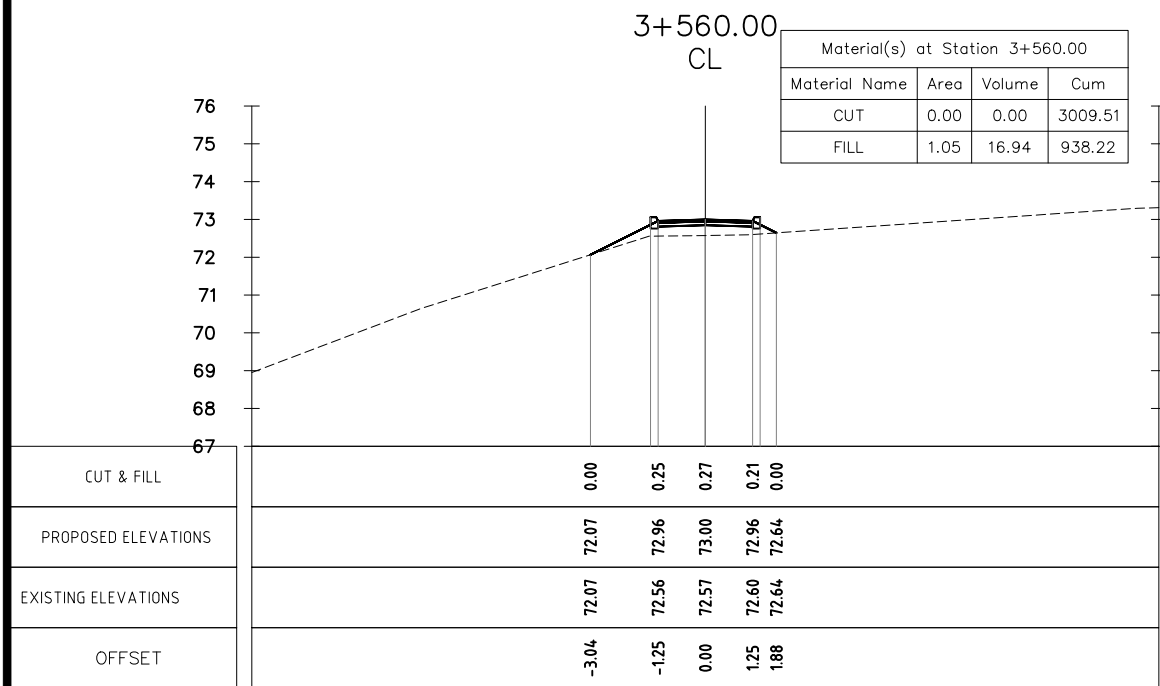
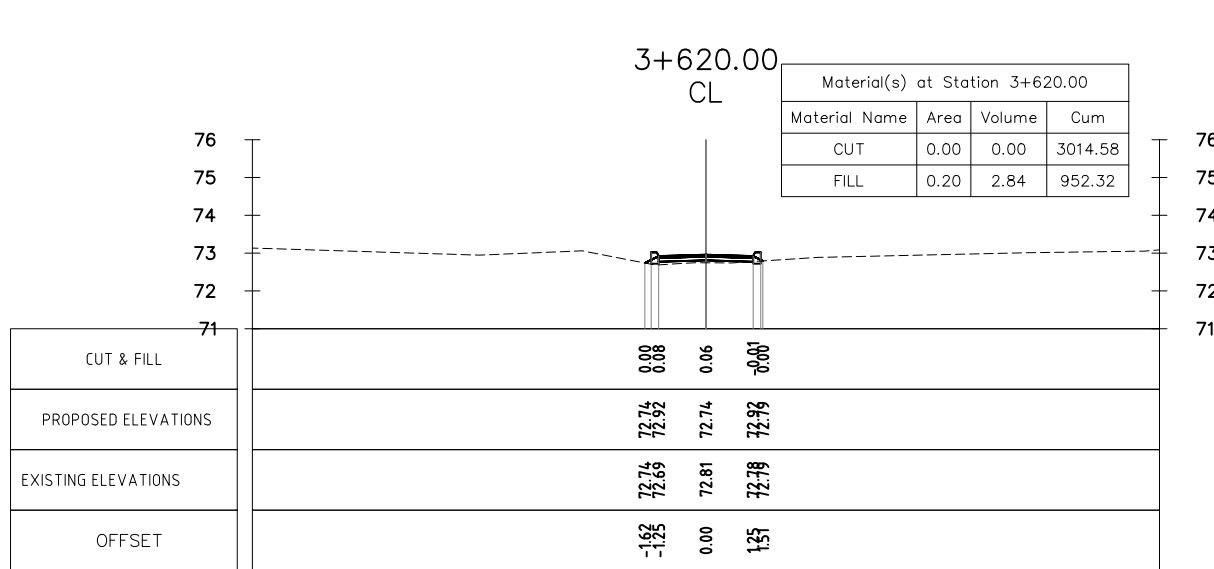
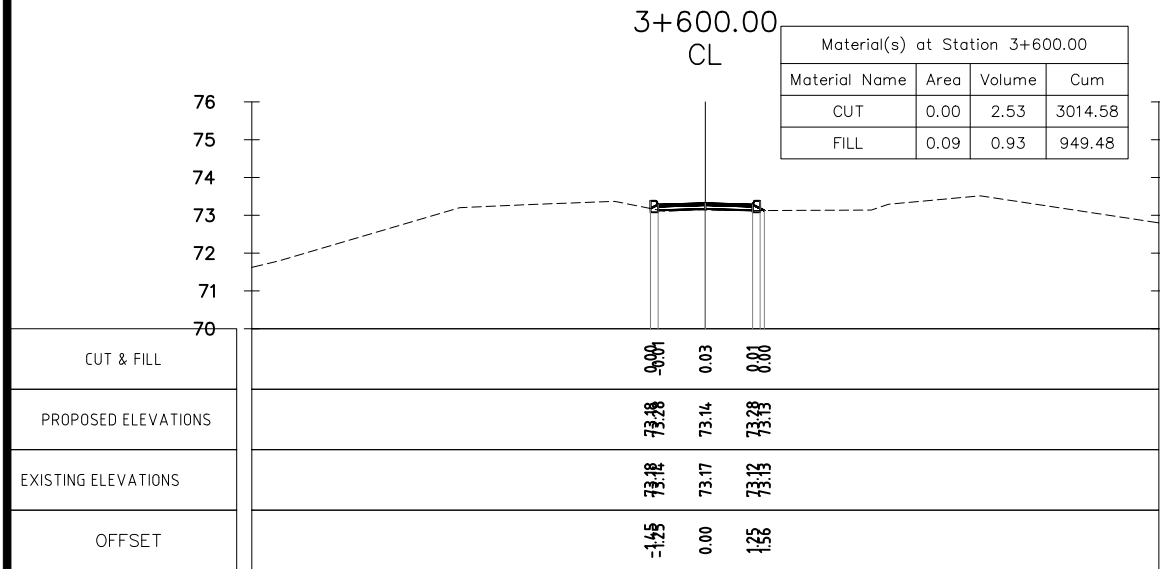
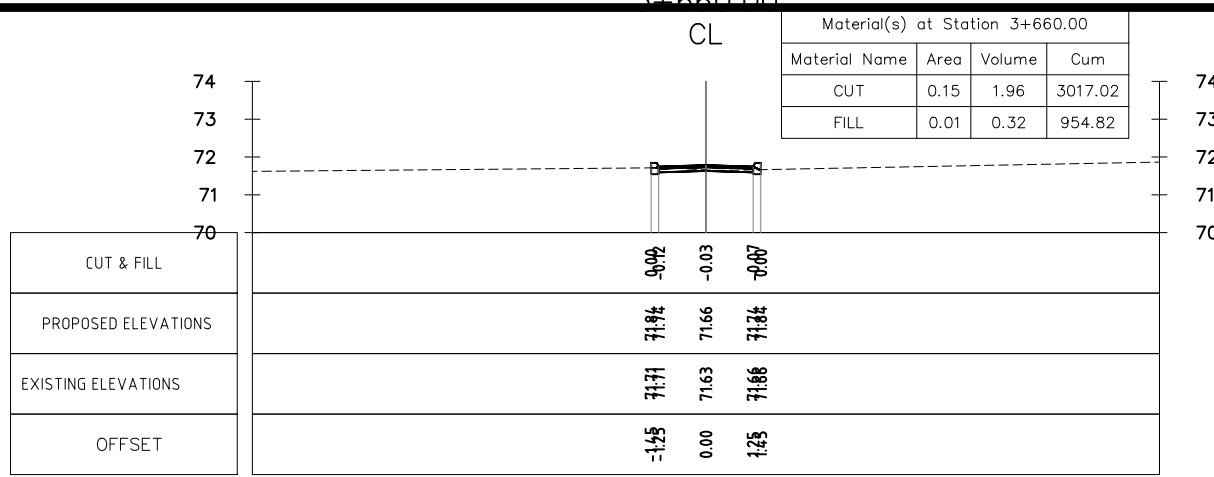
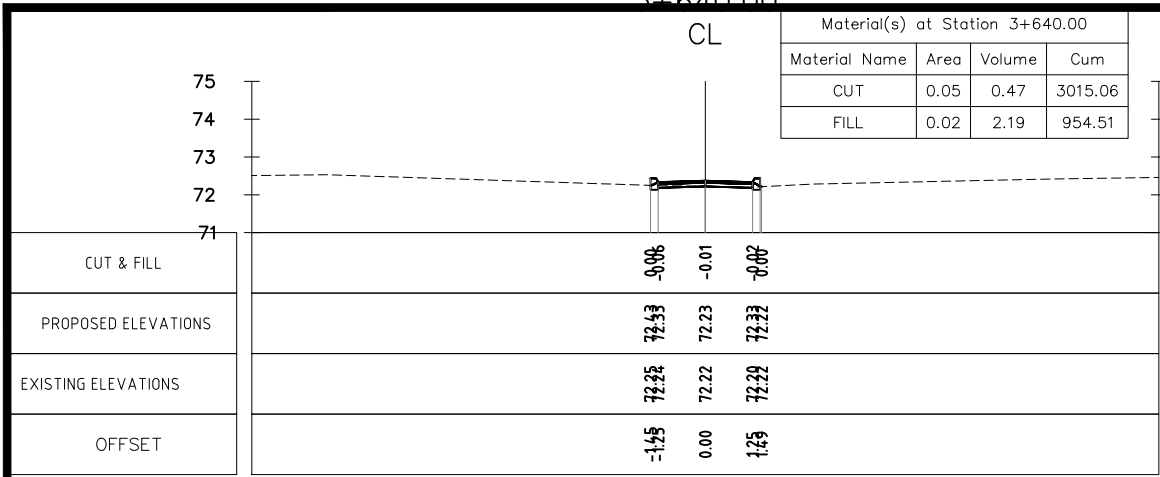
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 3+440-3+540

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-228
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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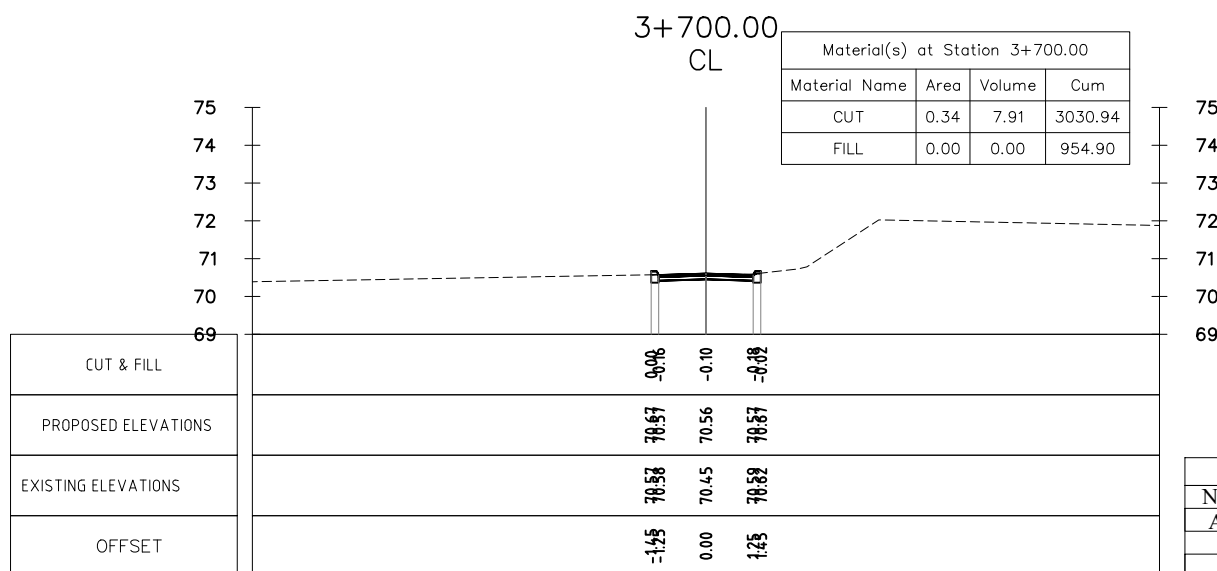
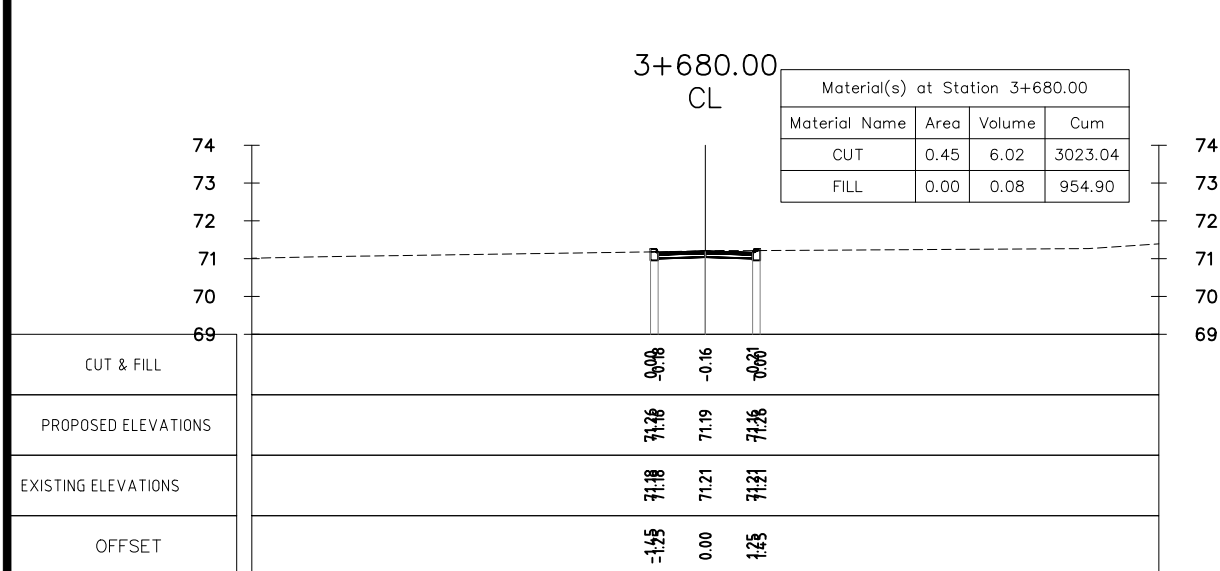
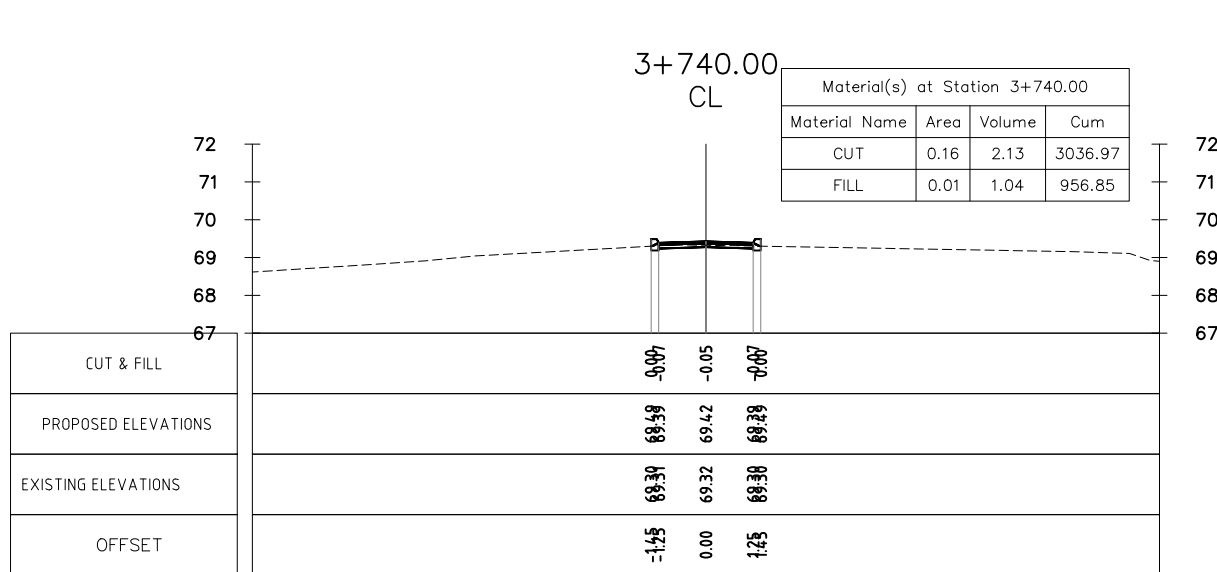
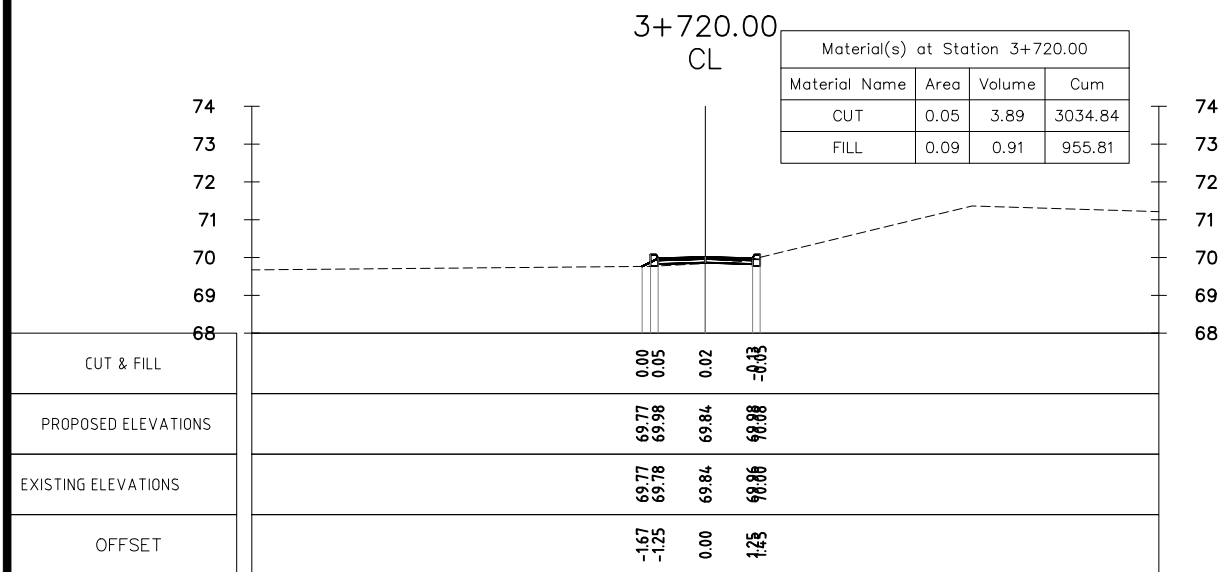
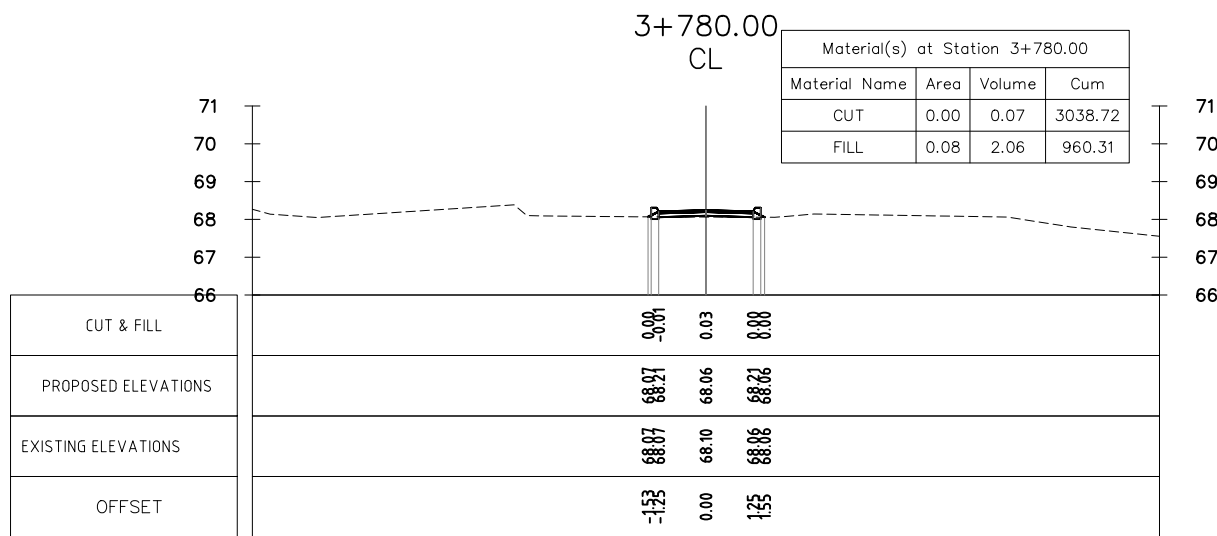
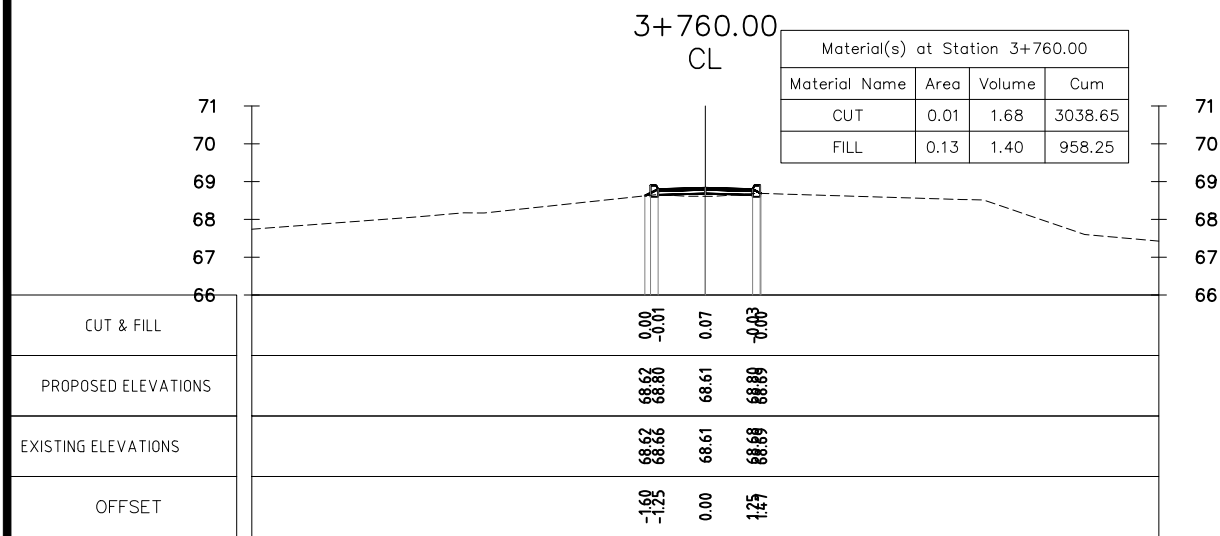
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 3+560-3+660

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-229
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

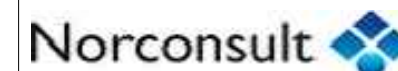
Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



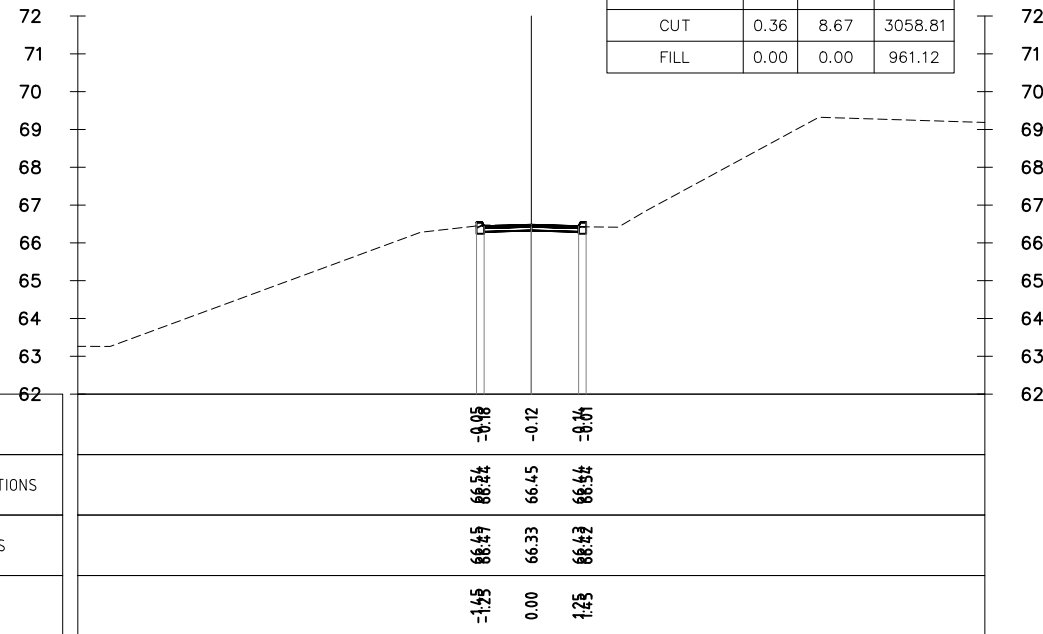
PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 3+680-3+780

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-230
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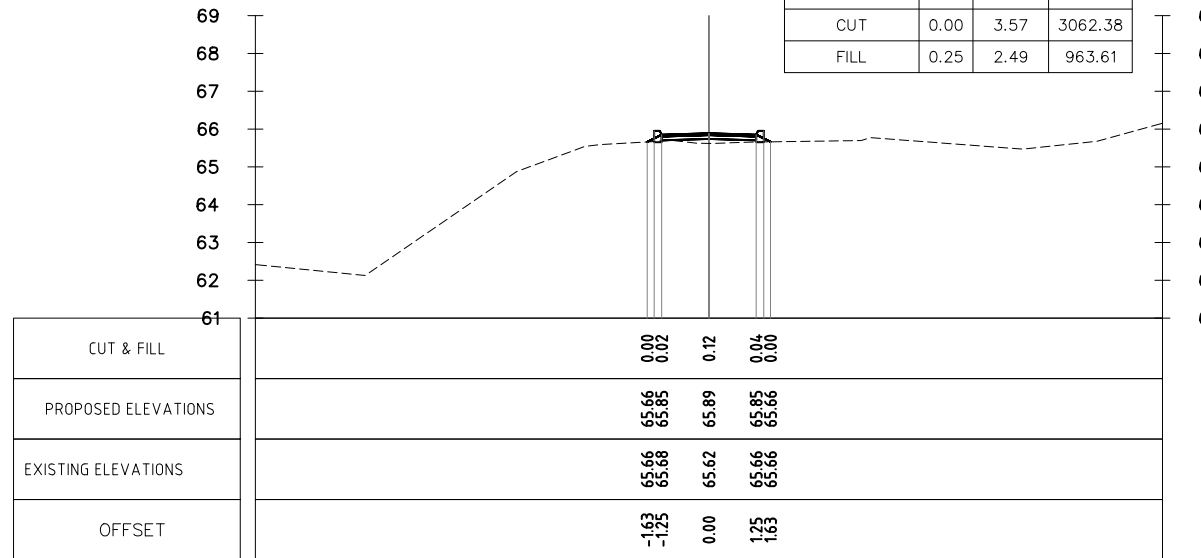
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CUT	0.36	8.67	3058.81
FILL	0.00	0.00	961.12



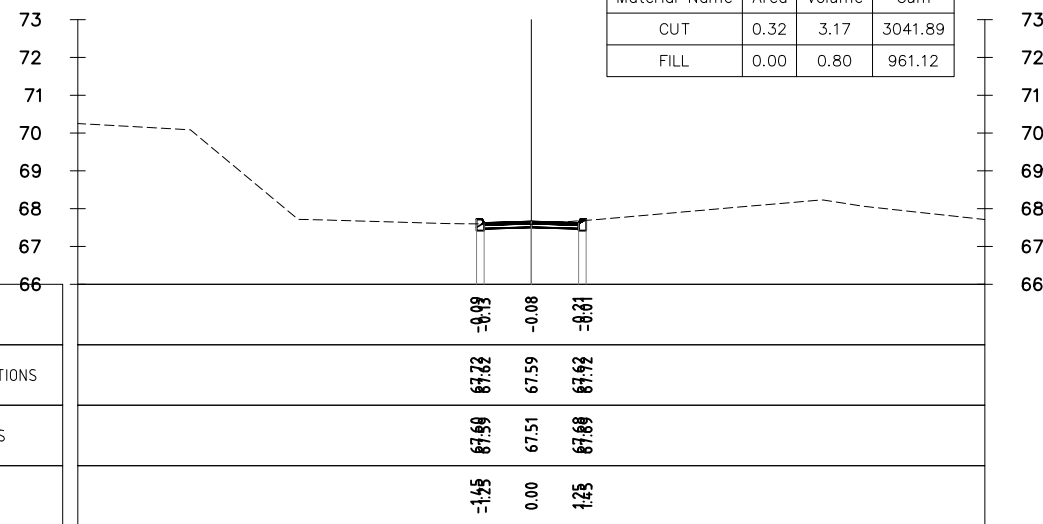
3+860.00  
CL

Material(s) at Station 3+860.00			
Material Name	Area	Volume	Cum
CUT	0.00	3.57	3062.38
FILL	0.25	2.49	963.61



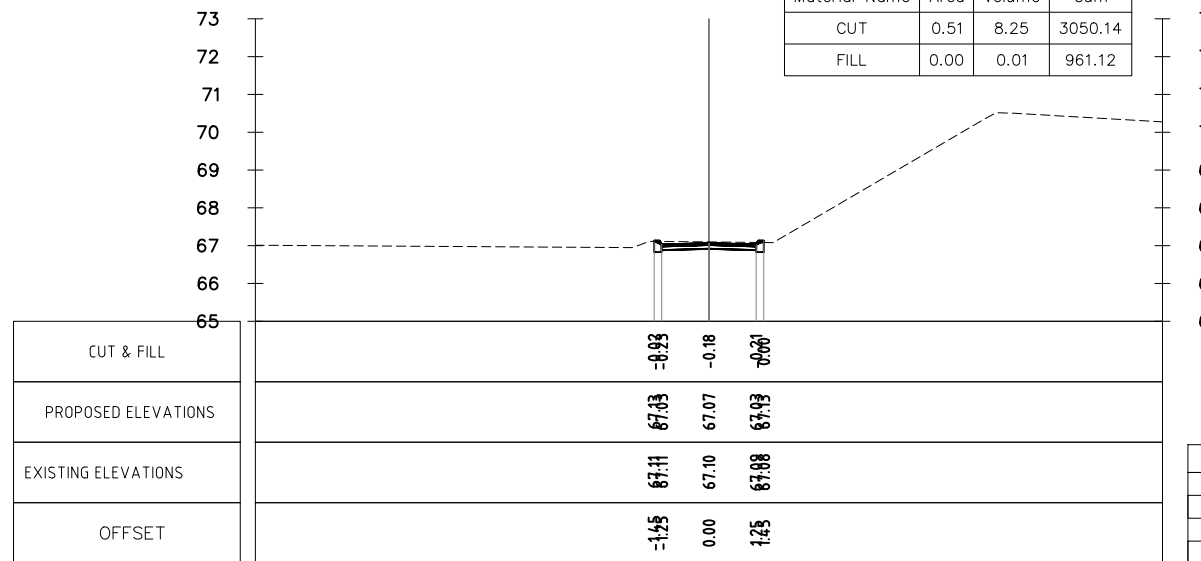
3+800.00  
CL

Material(s) at Station 3+800.00			
Material Name	Area	Volume	Cum
CUT	0.32	3.17	3041.89
FILL	0.00	0.80	961.12



3+820.00  
CL

Material(s) at Station 3+820.00			
Material Name	Area	Volume	Cum
CUT	0.51	8.25	3050.14
FILL	0.00	0.01	961.12



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



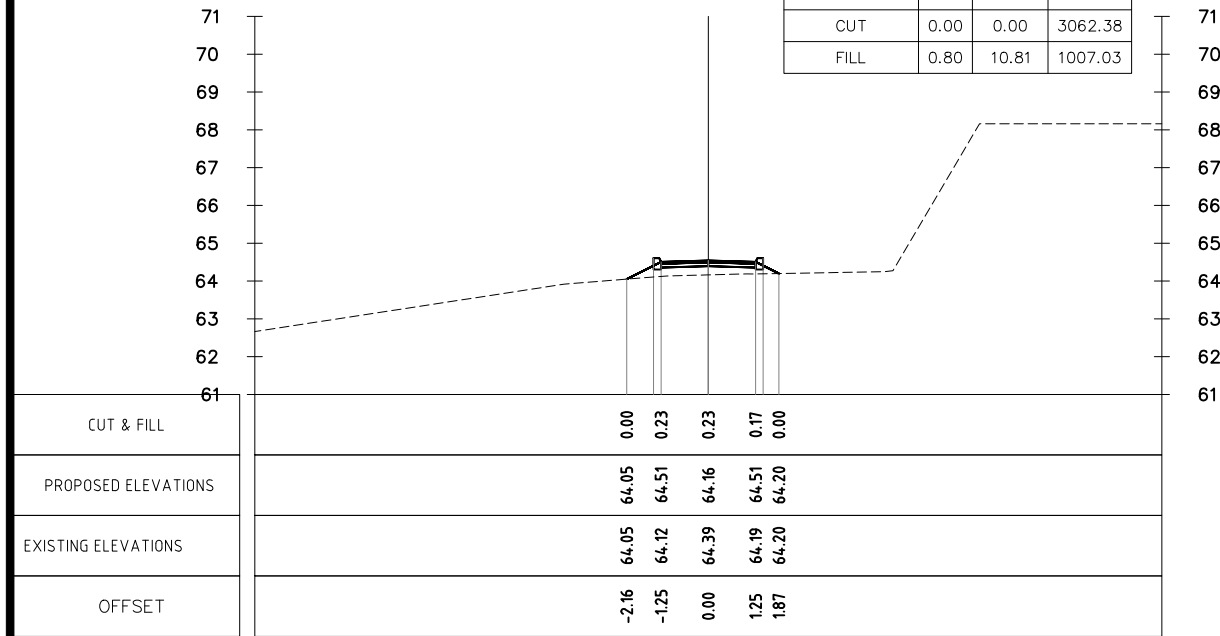
PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 3+800-3+860

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-231
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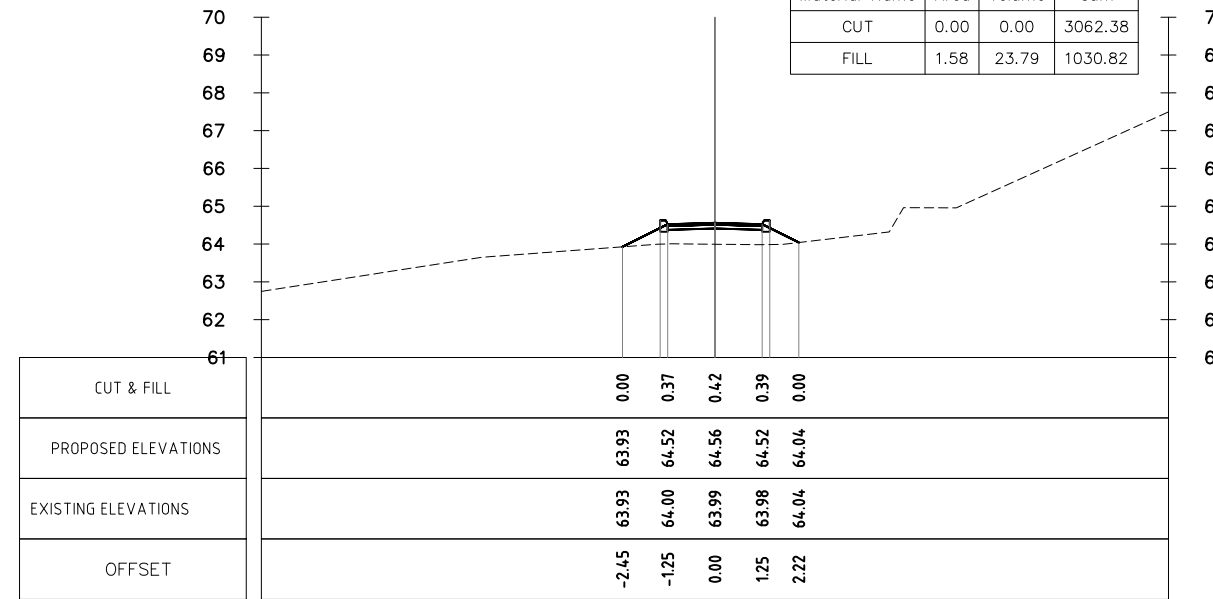
3+920.00  
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Material(s) at Station 3+920.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3062.38
FILL	0.80	10.81	1007.03



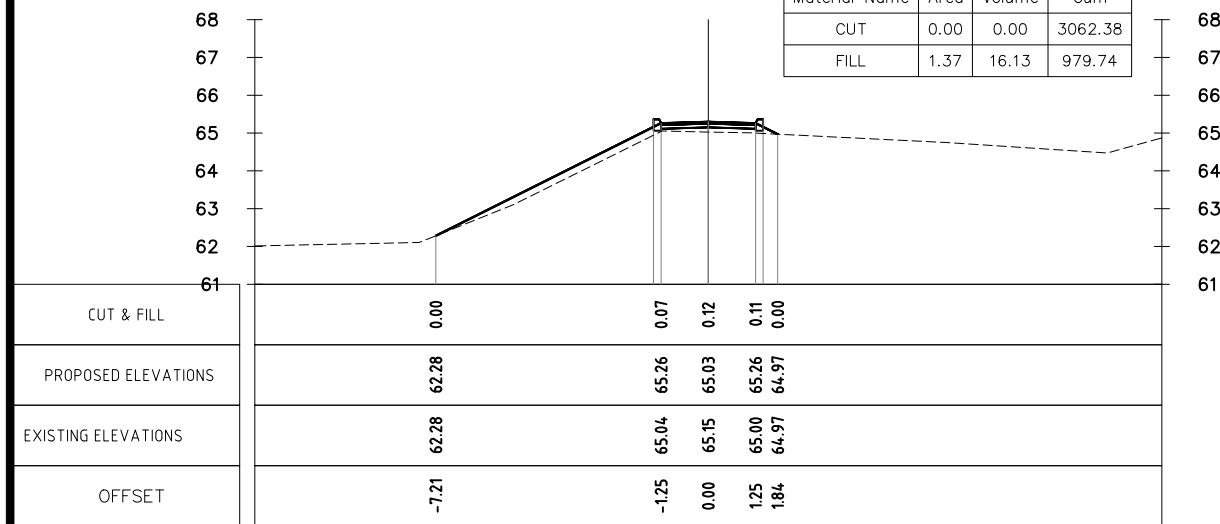
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Material(s) at Station 3+940.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3062.38
FILL	1.58	23.79	1030.82



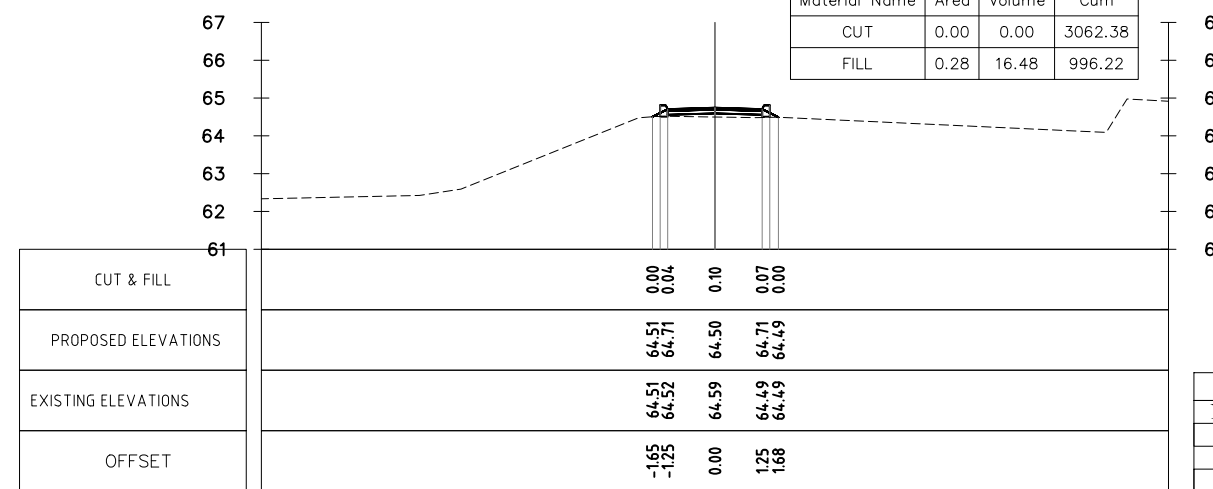
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Material(s) at Station 3+880.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3062.38
FILL	1.37	16.13	979.74



3+900.00  
CL

Material(s) at Station 3+900.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3062.38
FILL	0.28	16.48	996.22



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM

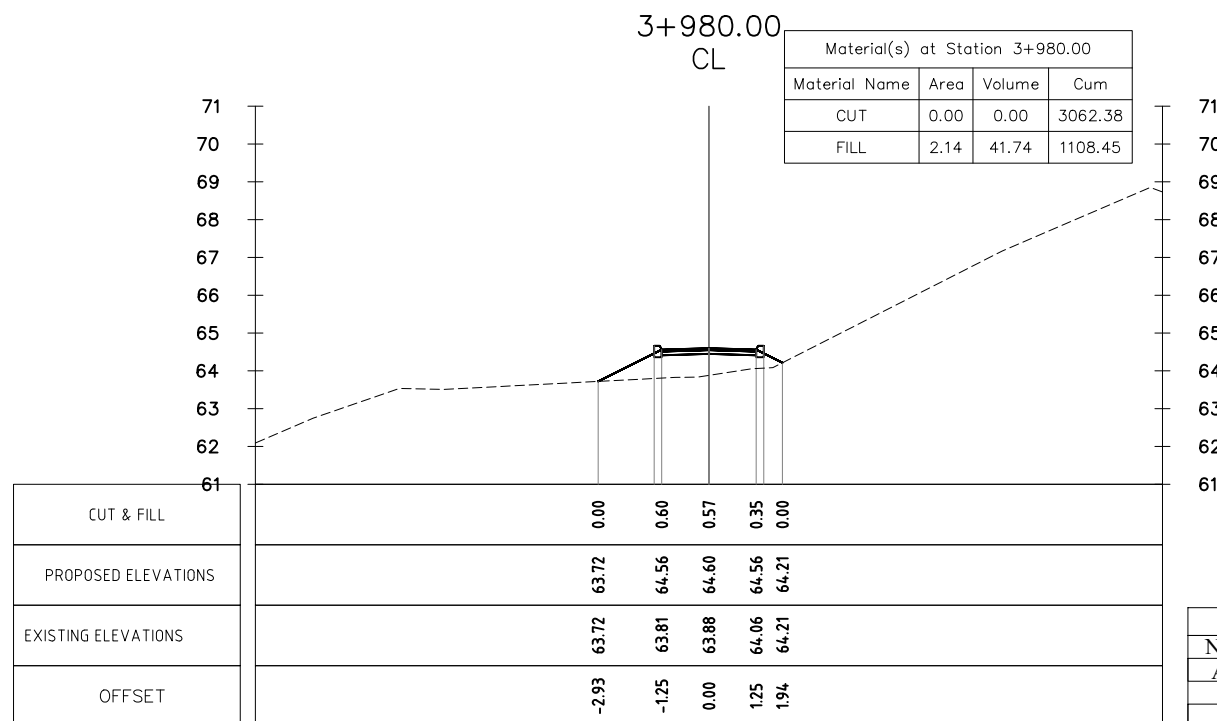
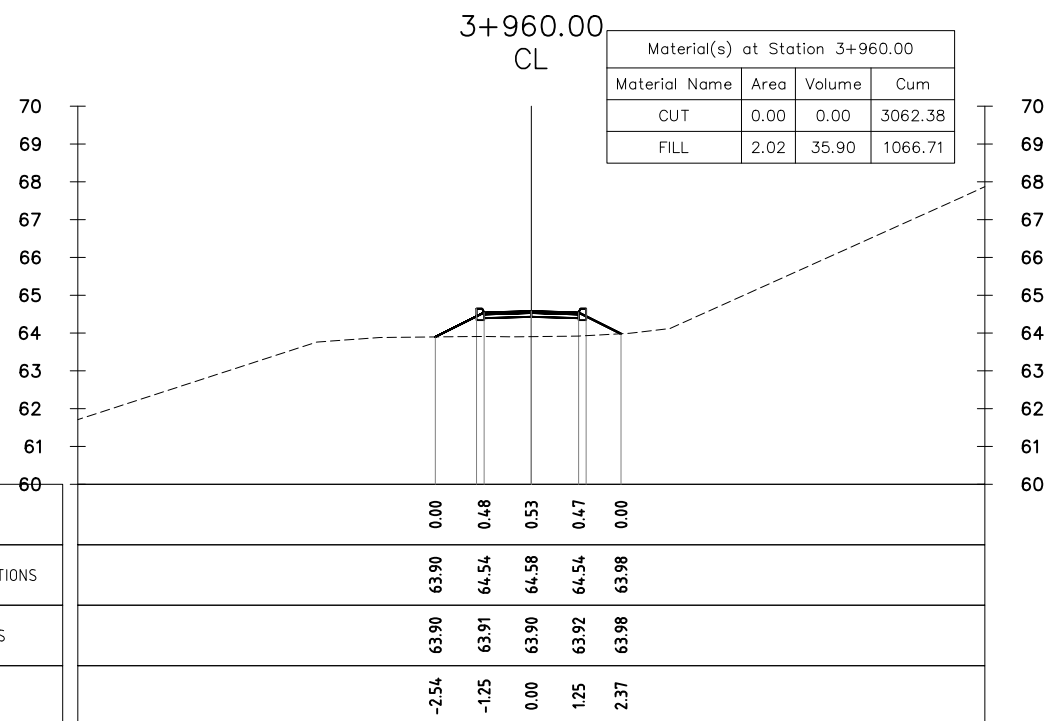
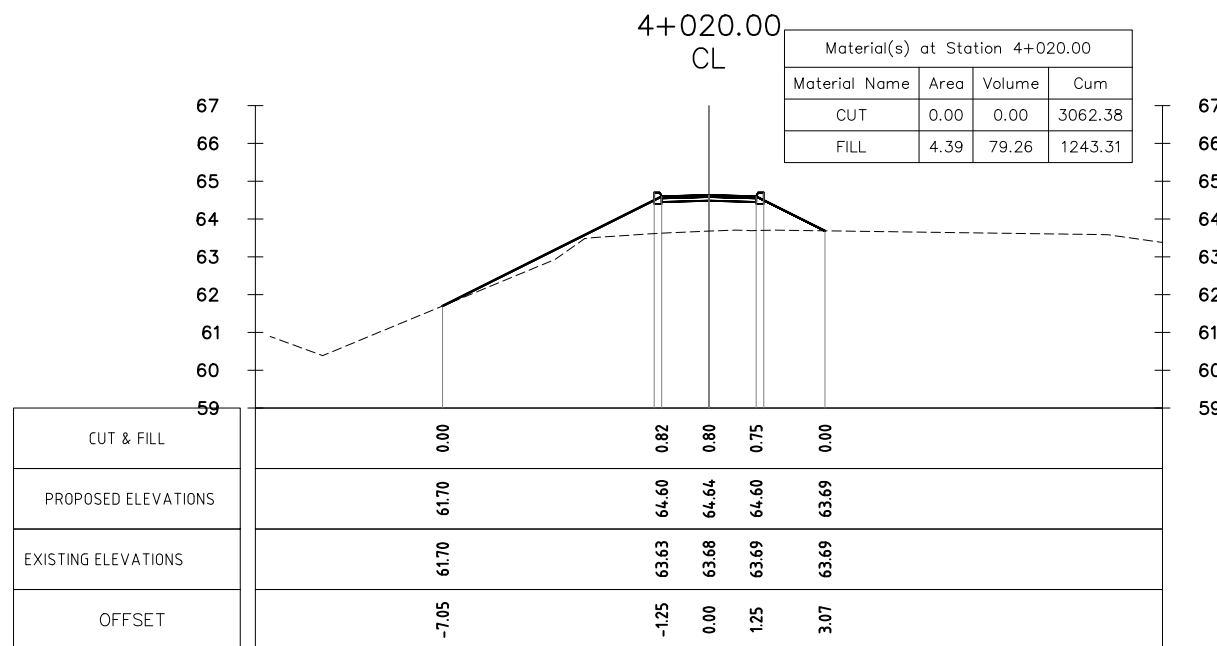
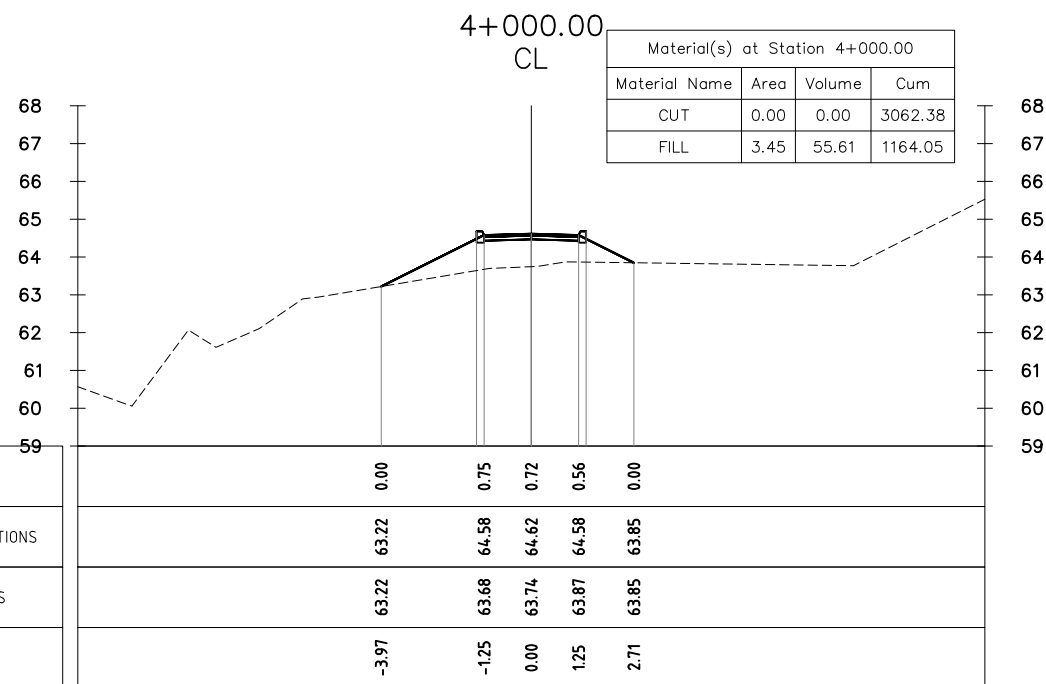


PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 3+880-3+940

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-232
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 3+960-4+020

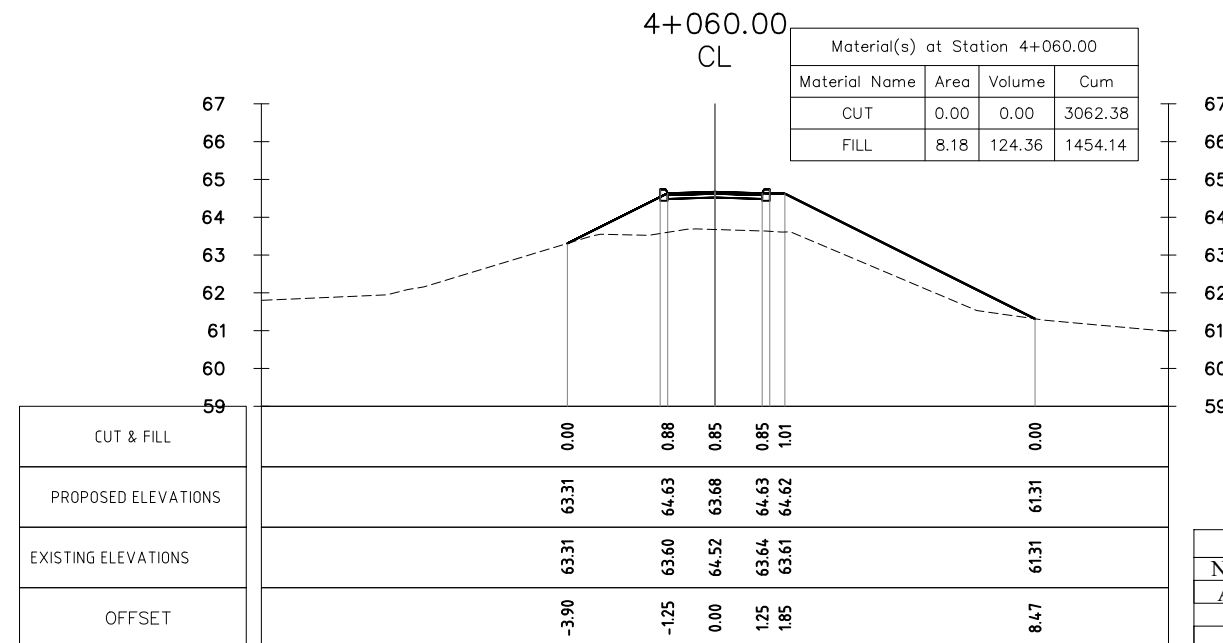
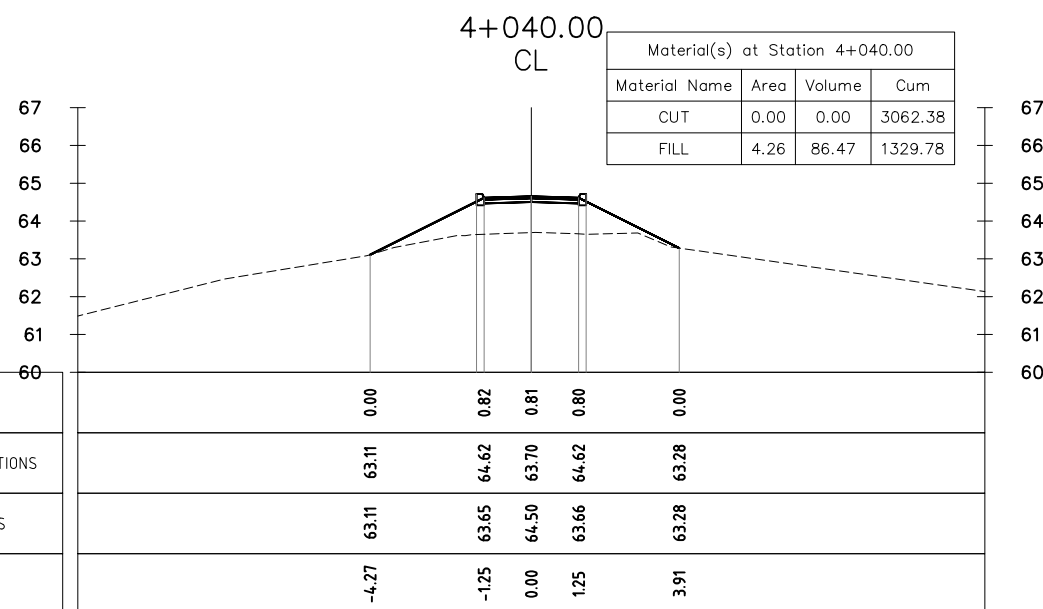
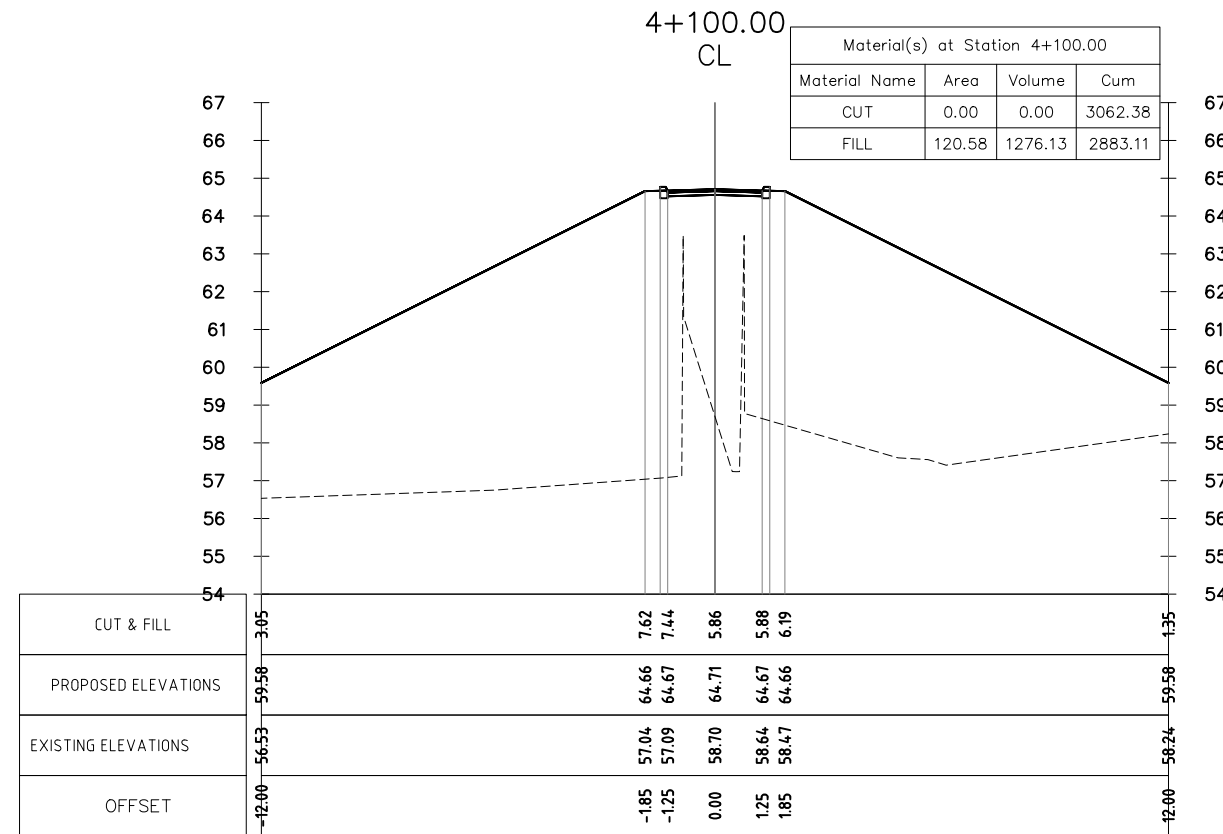
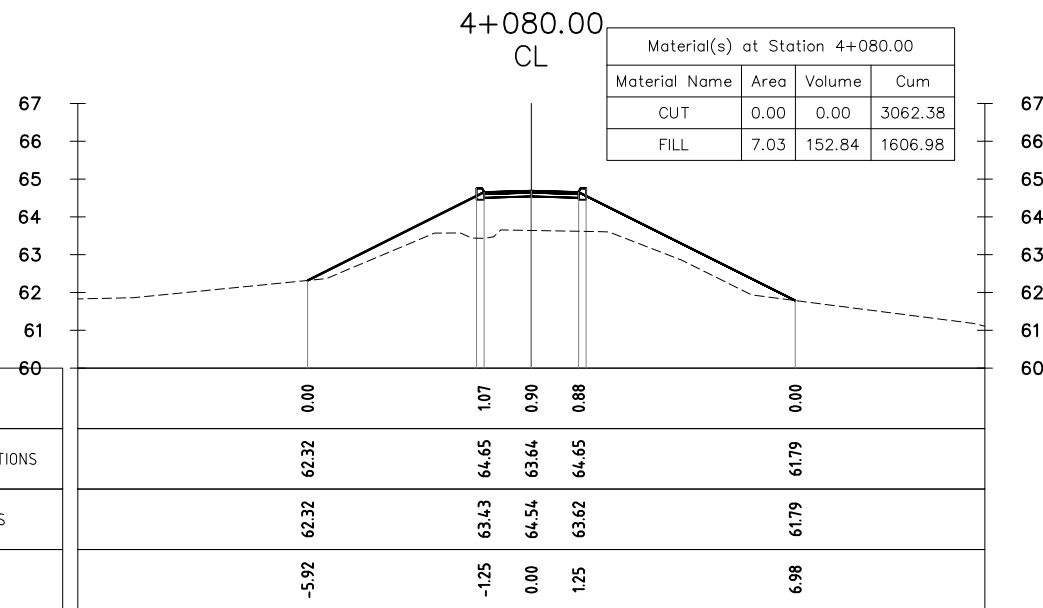
SCALE IN A3:  
1/200

DATE :

DRAWING No. :

LAO - NKS

C-233



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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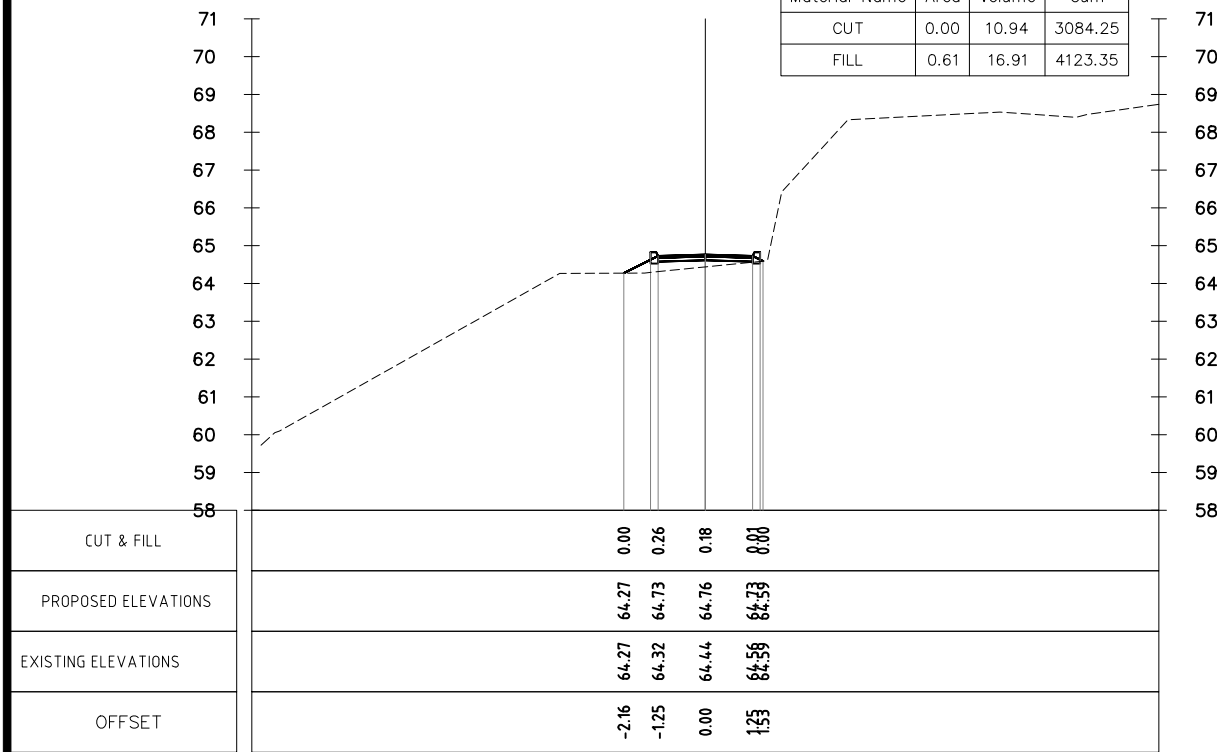
PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+040-4+100

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-234
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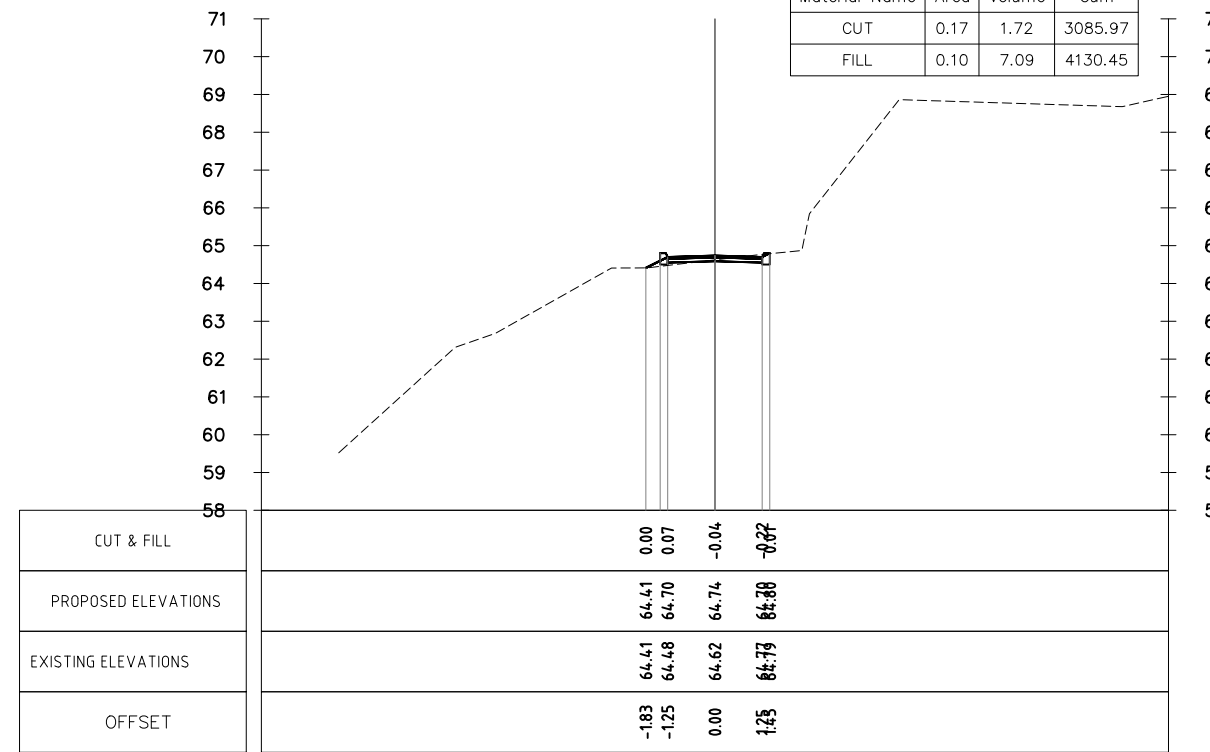
4+160.00  
CL

Material(s) at Station 4+160.00			
Material Name	Area	Volume	Cum
CUT	0.00	10.94	3084.25
FILL	0.61	16.91	4123.35



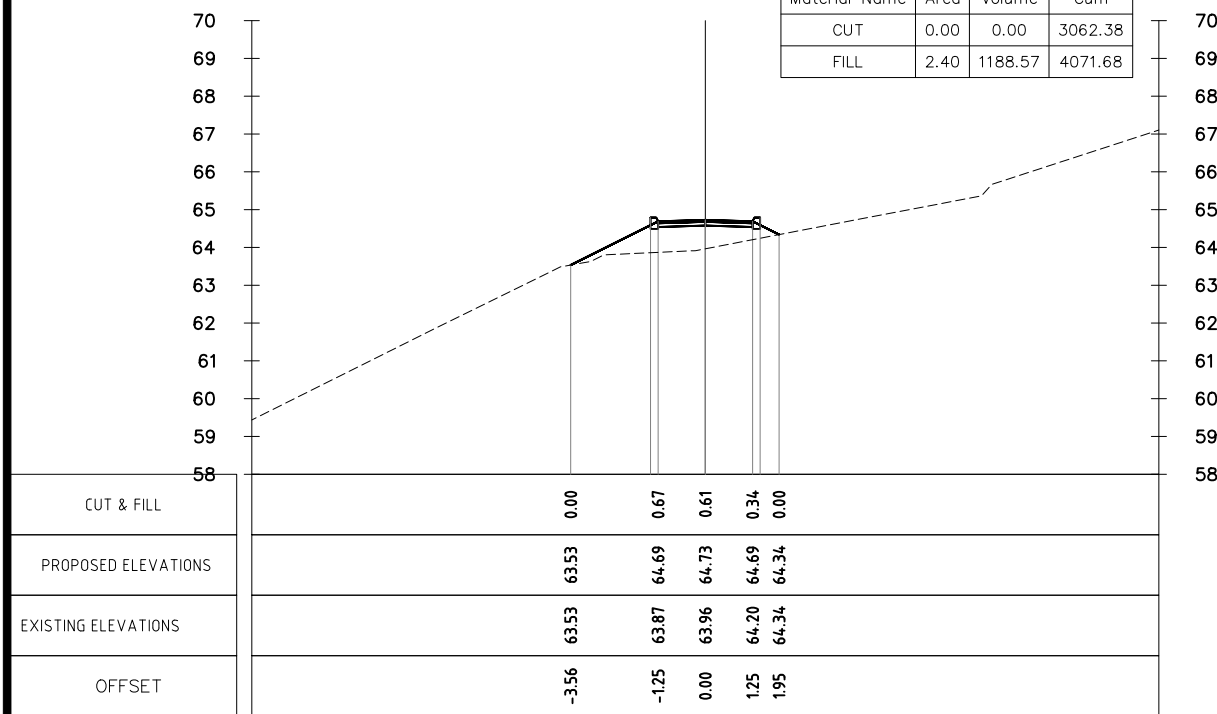
4+180.00  
CL

Material(s) at Station 4+180.00			
Material Name	Area	Volume	Cum
CUT	0.17	1.72	3085.97
FILL	0.10	7.09	4130.45



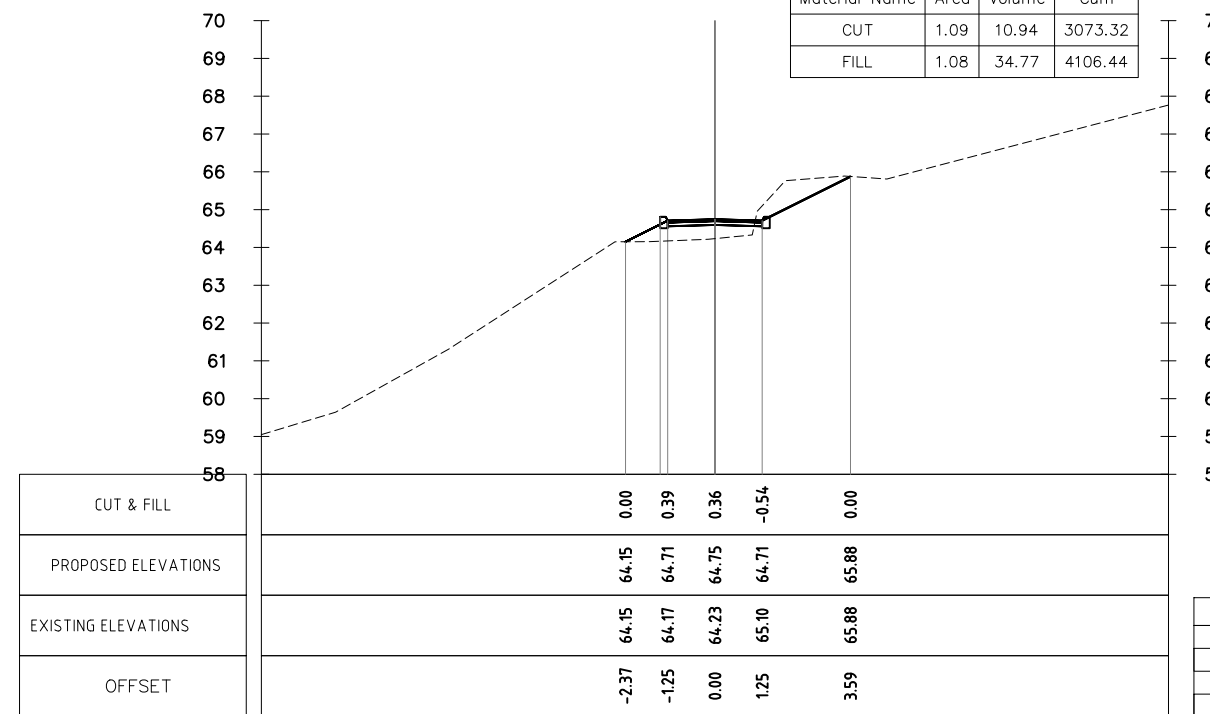
4+120.00  
CL

Material(s) at Station 4+120.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3062.38
FILL	2.40	1188.57	4071.68



4+140.00  
CL

Material(s) at Station 4+140.00			
Material Name	Area	Volume	Cum
CUT	1.09	10.94	3073.32
FILL	1.08	34.77	4106.44



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



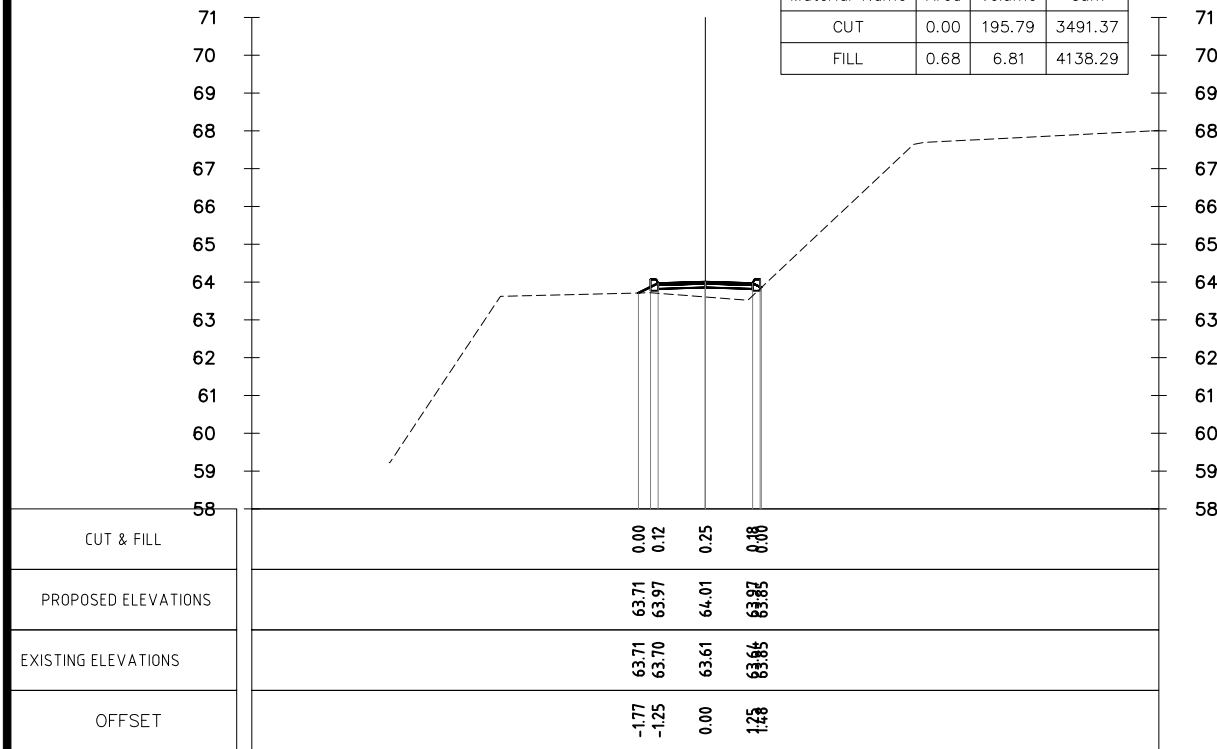
PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+120-4+180

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-235
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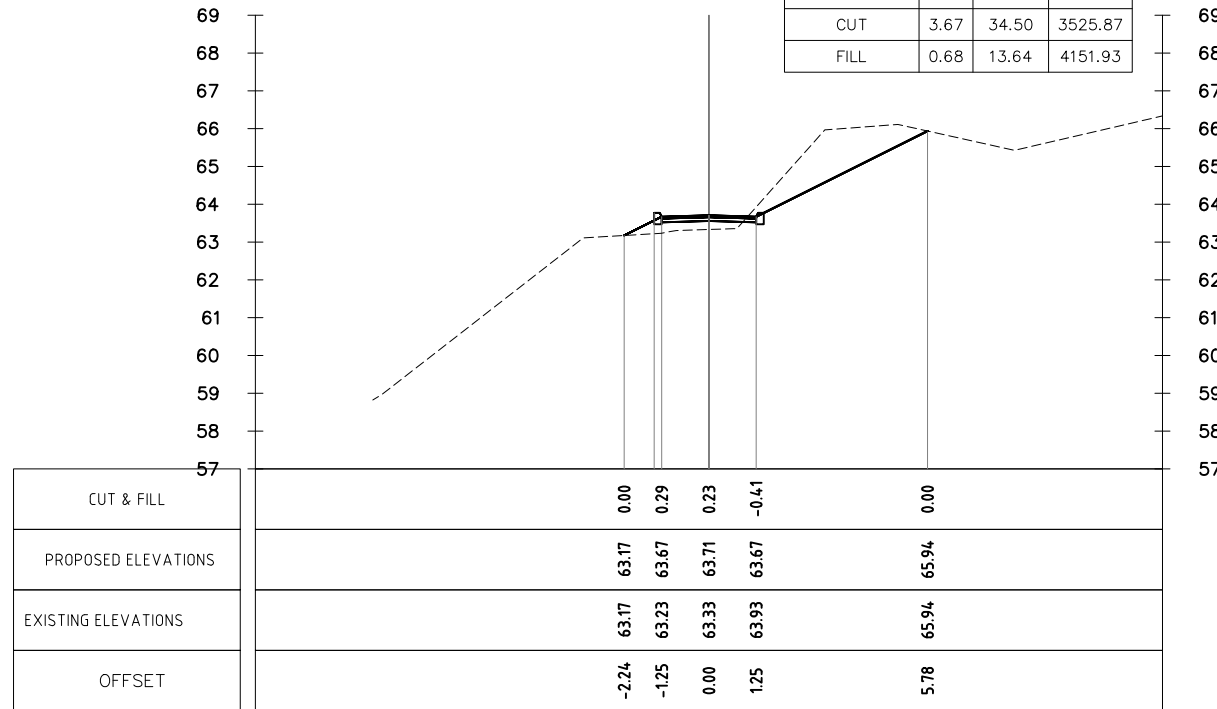
4+240.00  
CL

Material(s) at Station 4+240.00			
Material Name	Area	Volume	Cum
CUT	0.00	195.79	3491.37
FILL	0.68	6.81	4138.29



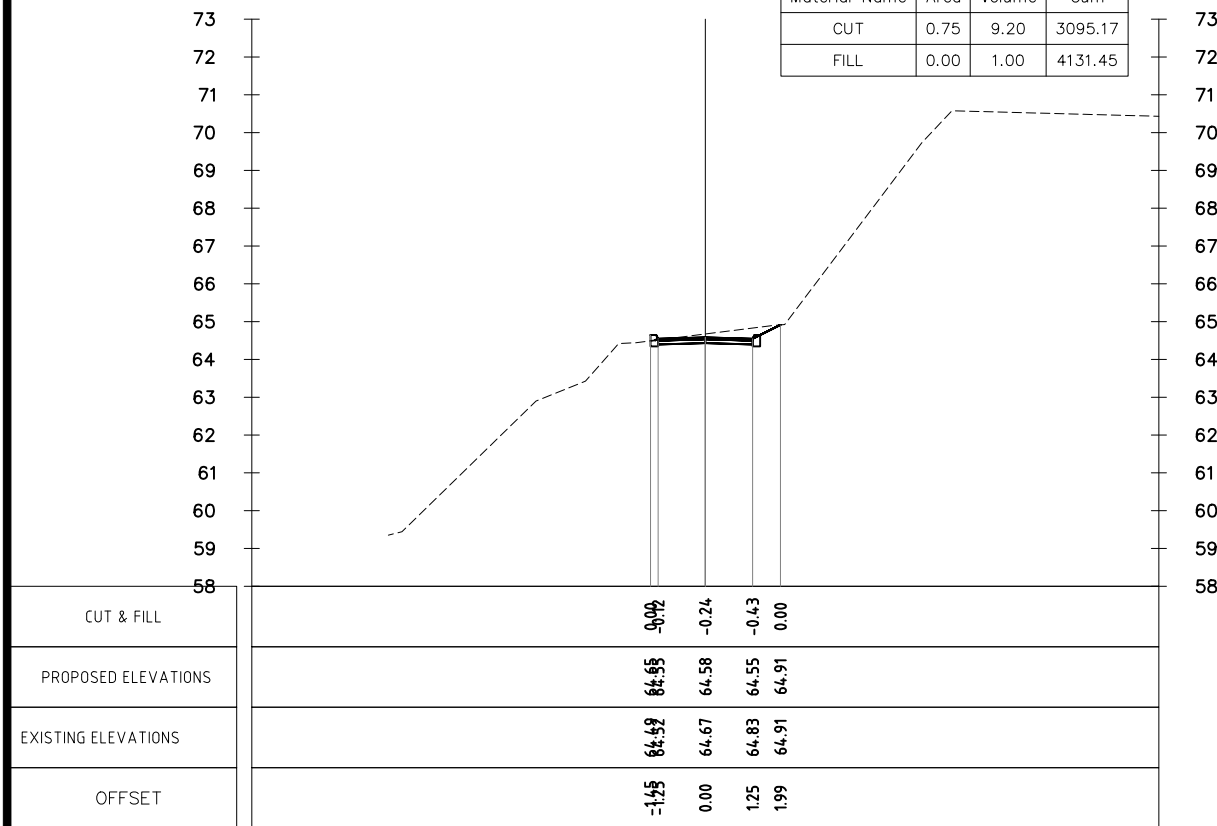
4+260.00  
CL

Material(s) at Station 4+260.00			
Material Name	Area	Volume	Cum
CUT	3.67	34.50	3525.87
FILL	0.68	13.64	4151.93



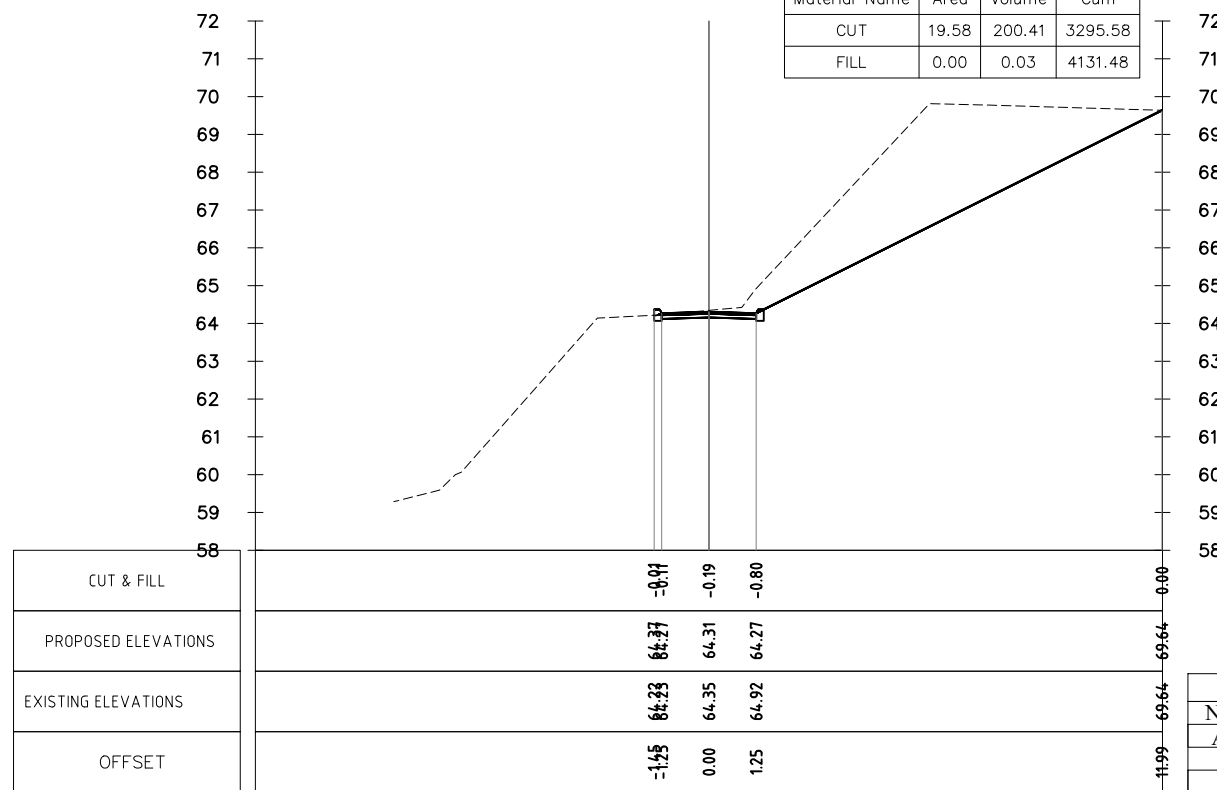
4+200.00  
CL

Material(s) at Station 4+200.00			
Material Name	Area	Volume	Cum
CUT	0.75	9.20	3095.17
FILL	0.00	1.00	4131.45



4+220.00  
CL

Material(s) at Station 4+220.00			
Material Name	Area	Volume	Cum
CUT	19.58	200.41	3295.58
FILL	0.00	0.03	4131.48



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR



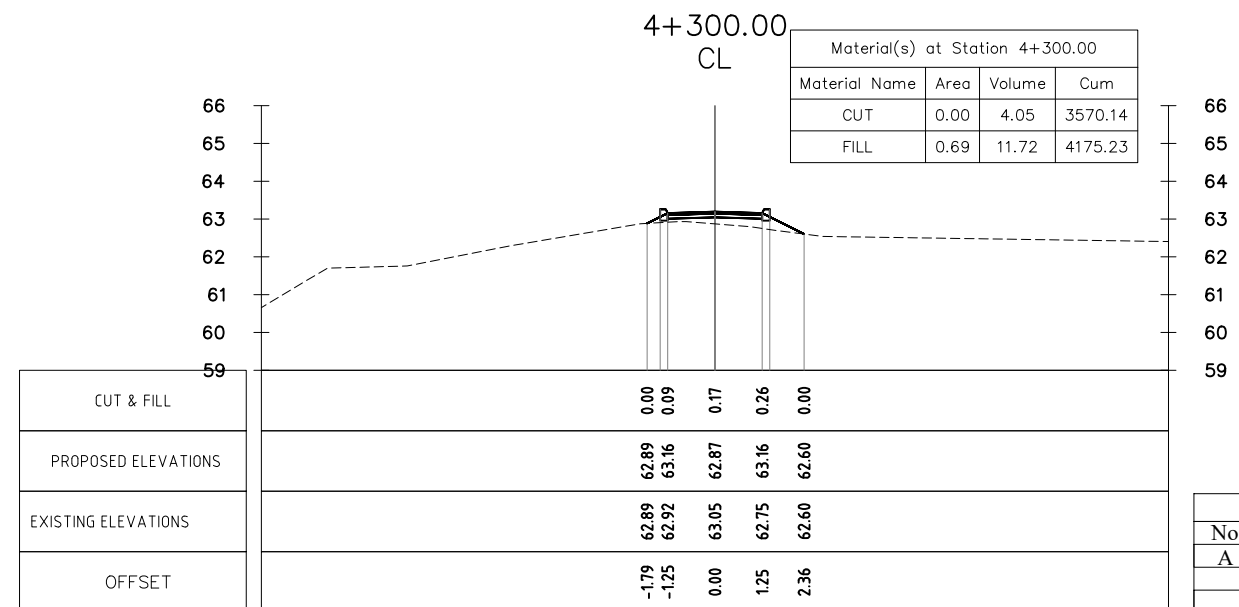
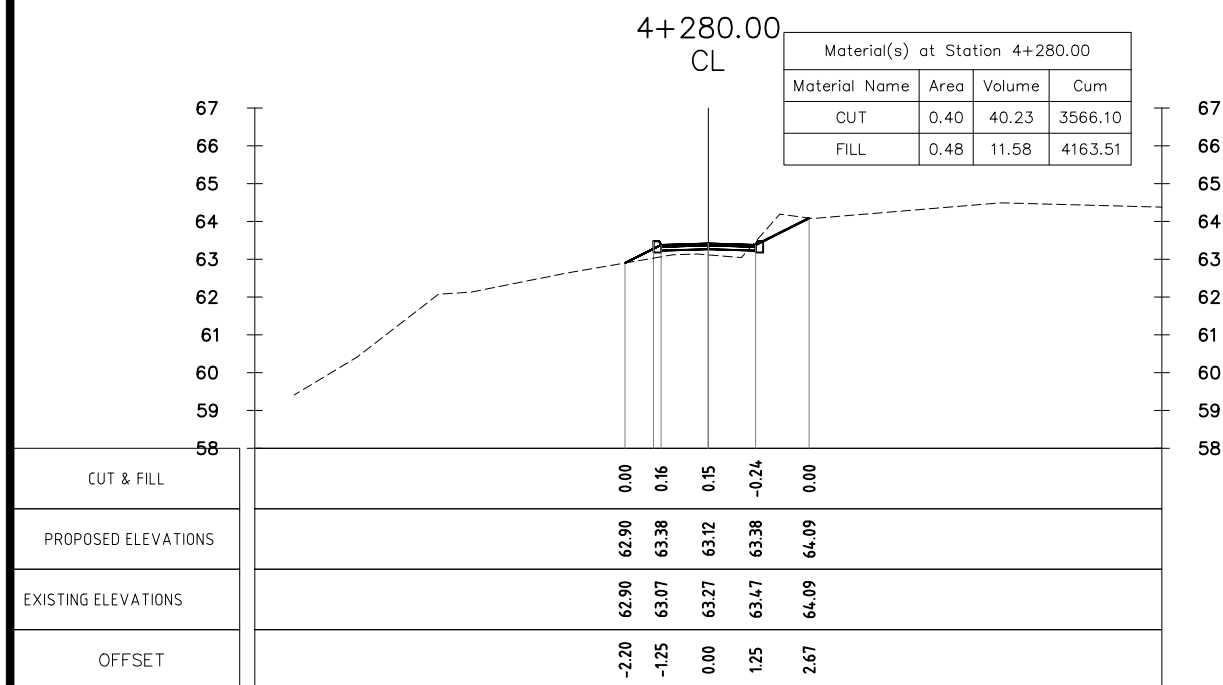
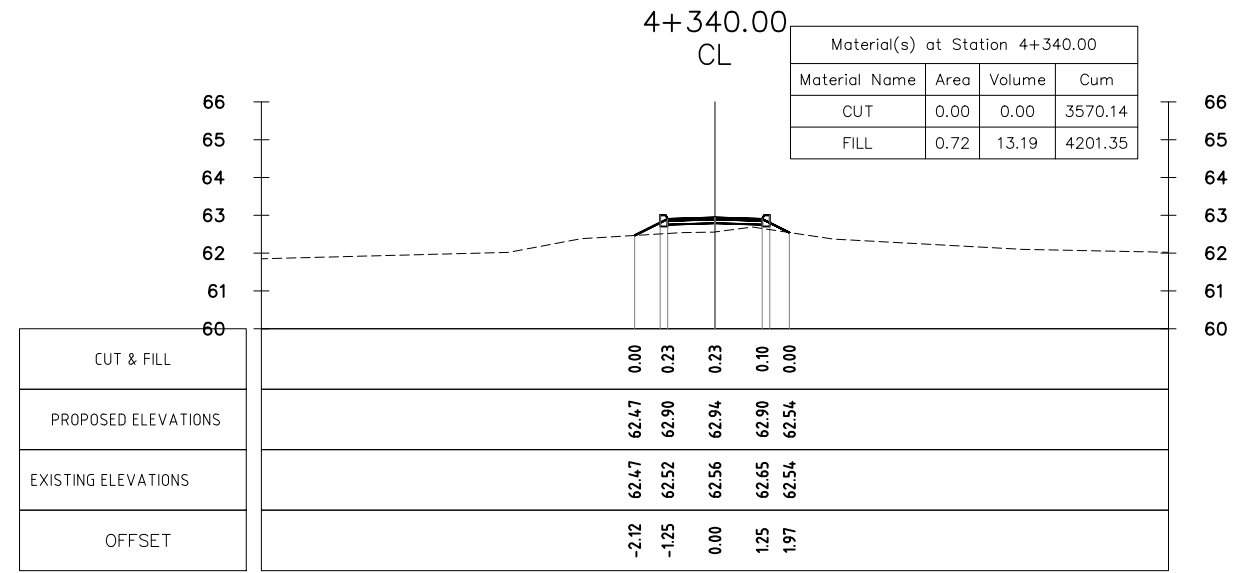
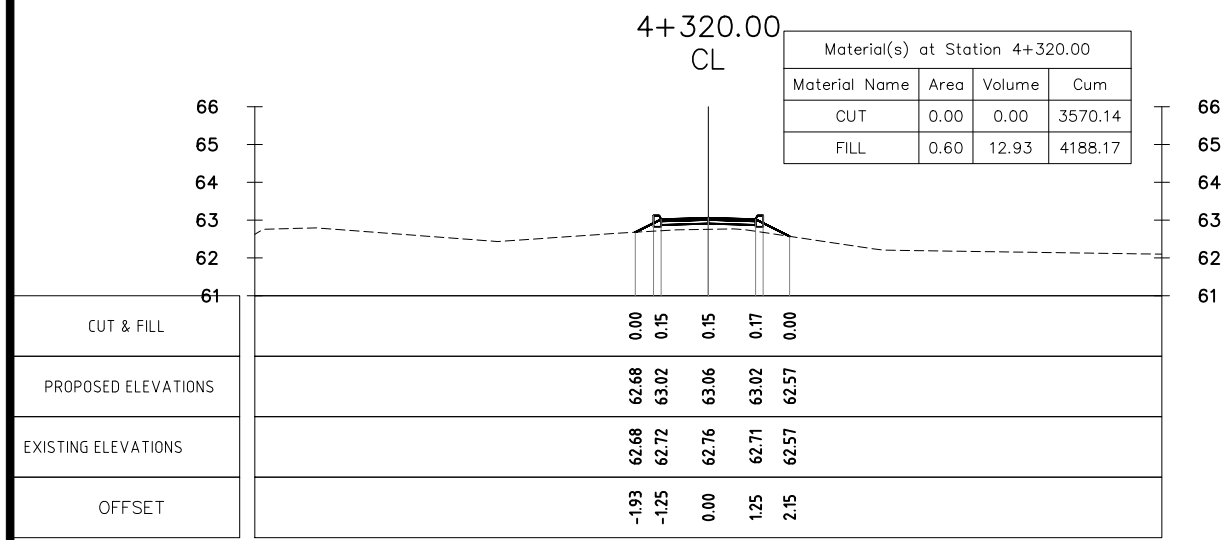
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+200-4+260

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-236
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18


Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



**Norconsult**   

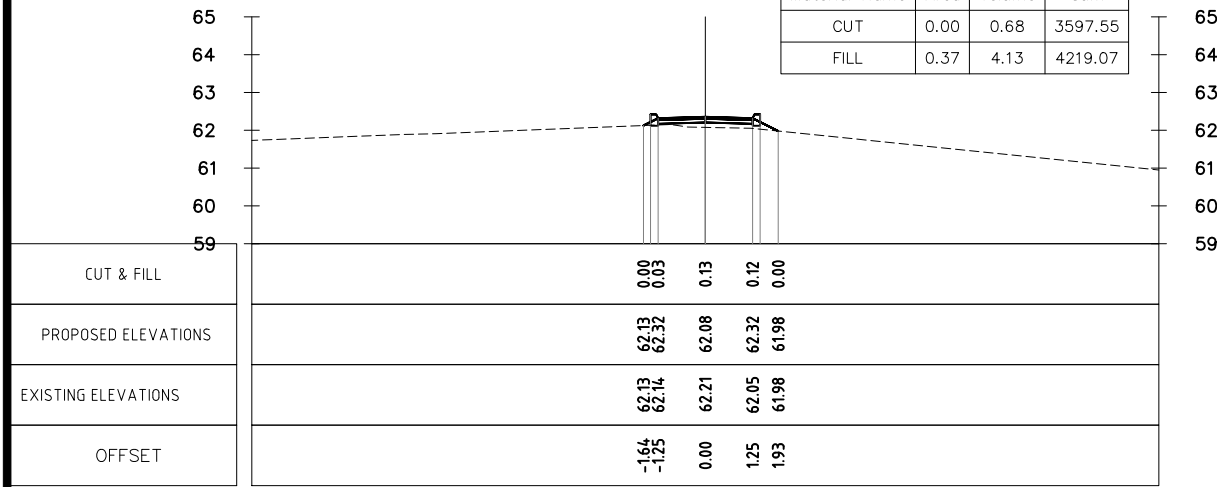
PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+280-4+340

SCALE IN A3: 1/200      DATE :      DRAWING No. : C-237  
 LAO - NKS

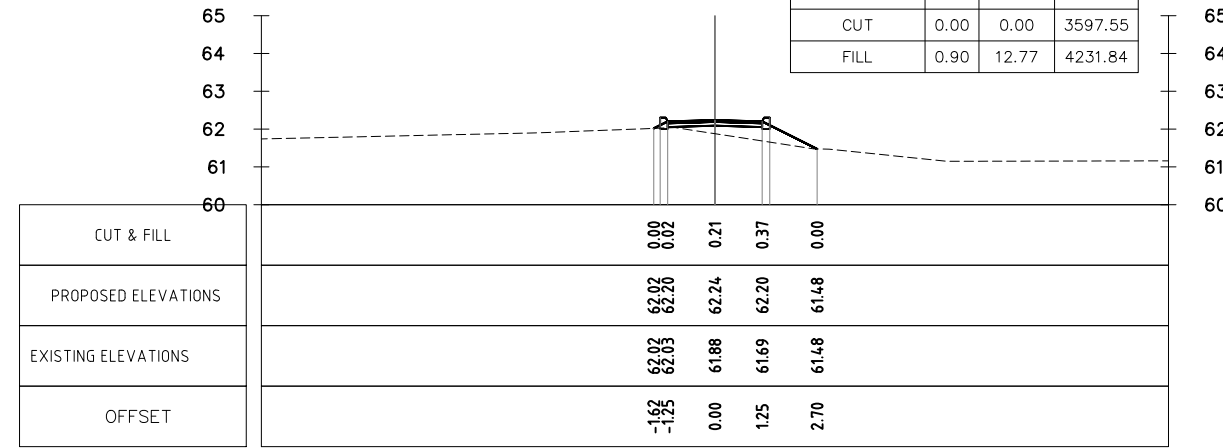
4+440.00  
CL

Material(s) at Station 4+440.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.68	3597.55
FILL	0.37	4.13	4219.07



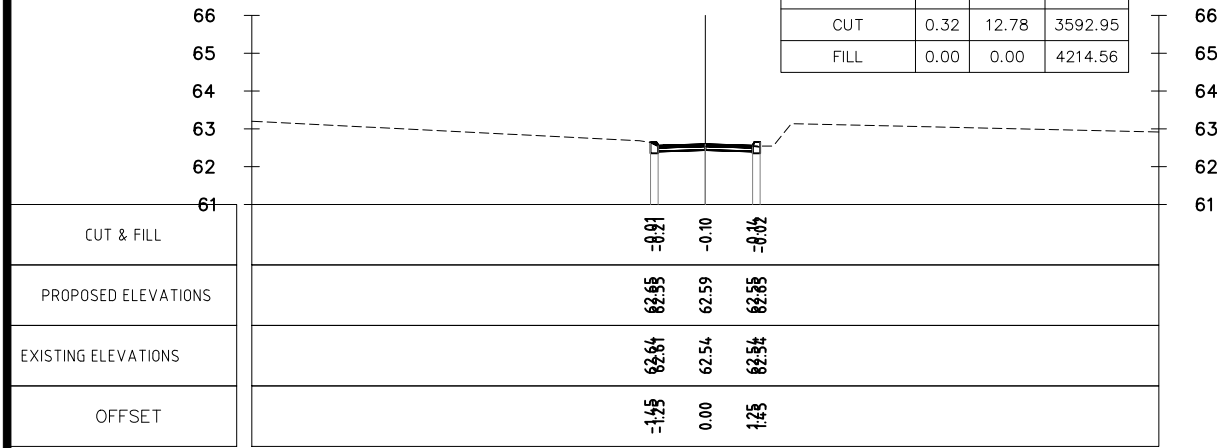
4+460.00  
CL

Material(s) at Station 4+460.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3597.55
FILL	0.90	12.77	4231.84



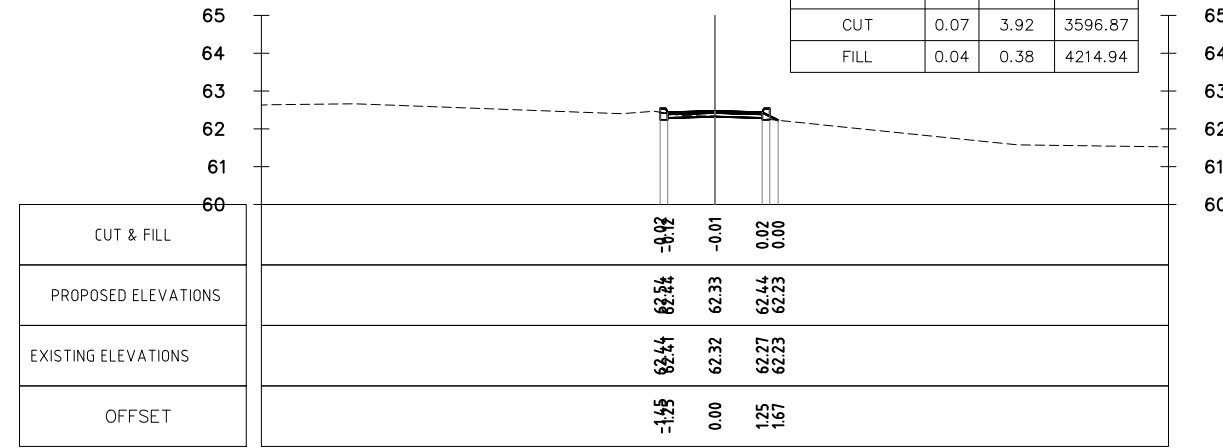
4+400.00  
CL

Material(s) at Station 4+400.00			
Material Name	Area	Volume	Cum
CUT	0.32	12.78	3592.95
FILL	0.00	0.00	4214.56



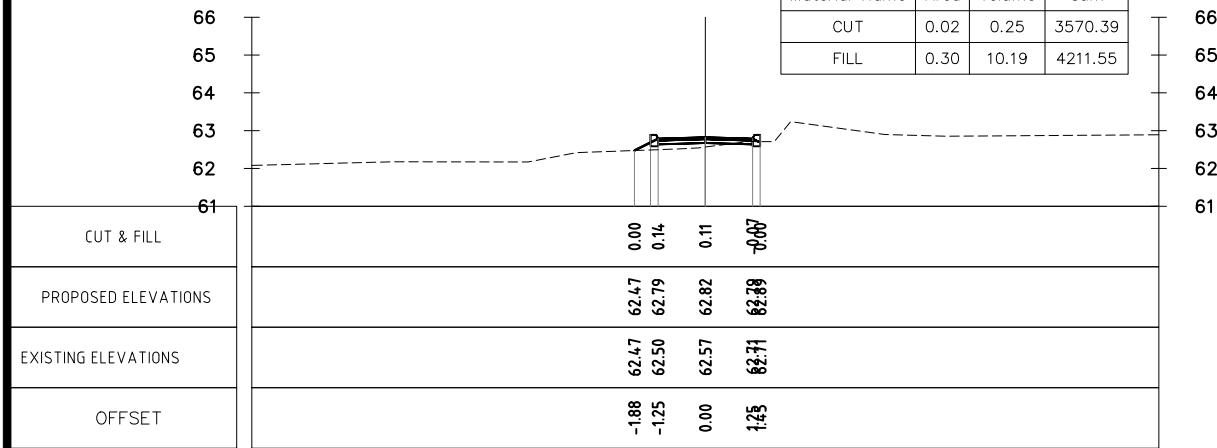
4+420.00  
CL

Material(s) at Station 4+420.00			
Material Name	Area	Volume	Cum
CUT	0.07	3.92	3596.87
FILL	0.04	0.38	4214.94



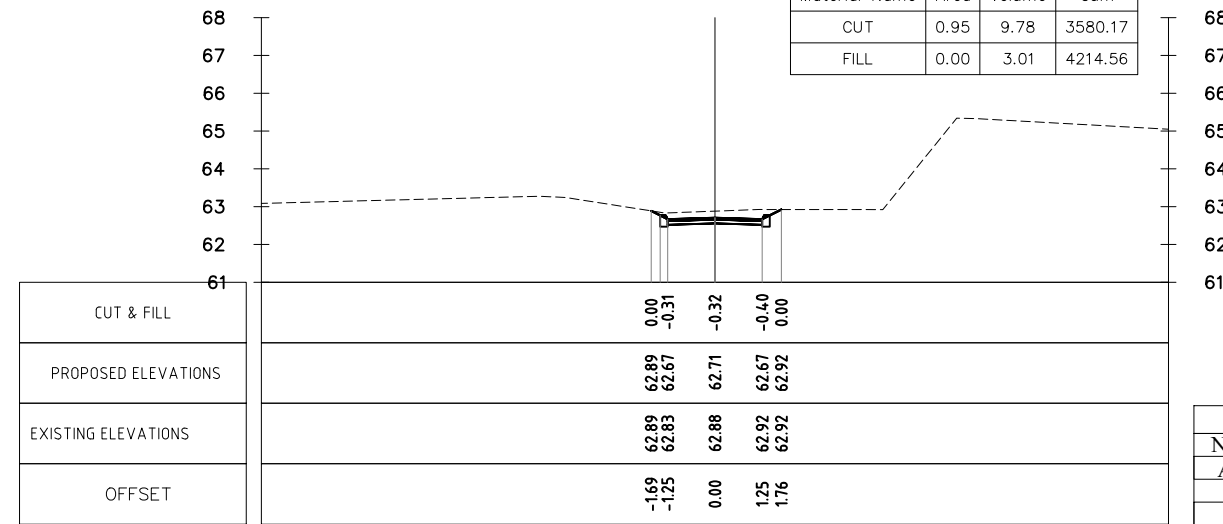
4+360.00  
CL

Material(s) at Station 4+360.00			
Material Name	Area	Volume	Cum
CUT	0.02	0.25	3570.39
FILL	0.30	10.19	4211.55



4+380.00  
CL

Material(s) at Station 4+380.00			
Material Name	Area	Volume	Cum
CUT	0.95	9.78	3580.17
FILL	0.00	3.01	4214.56



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



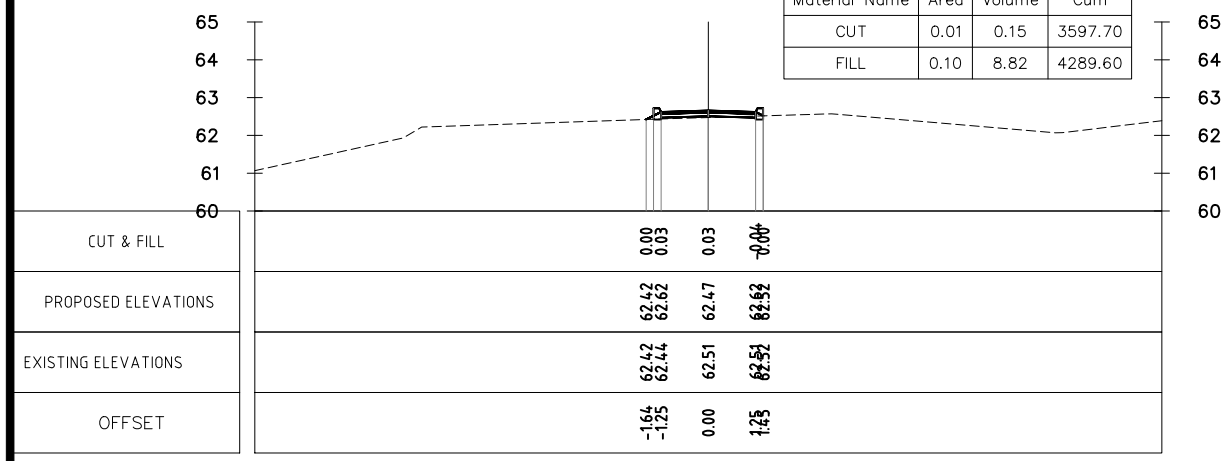
PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+360-4+460

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-238
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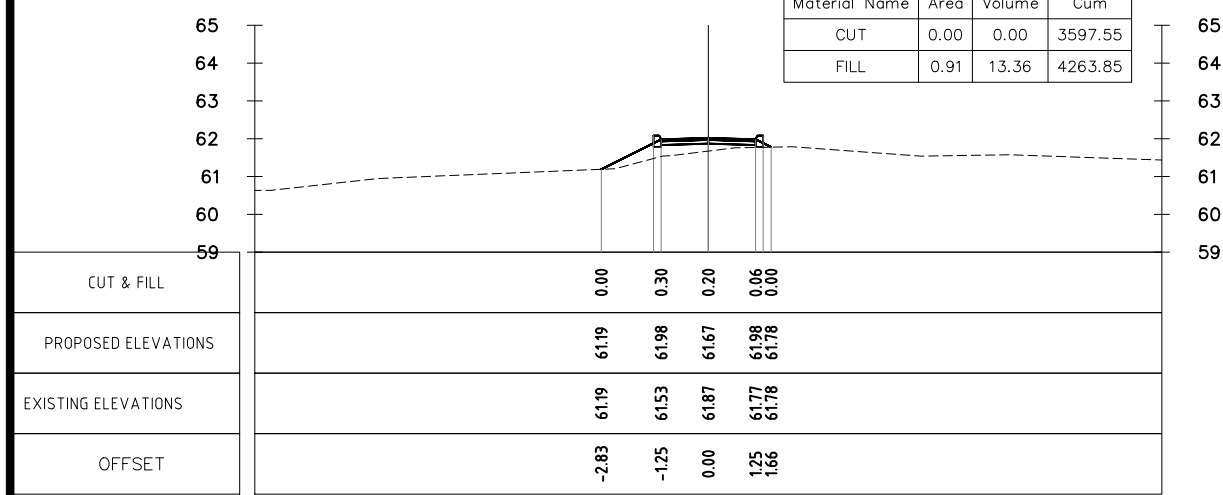
4+560.00  
CL

Material(s) at Station 4+560.00			
Material Name	Area	Volume	Cum
CUT	0.01	0.15	3597.70
FILL	0.10	8.82	4289.60



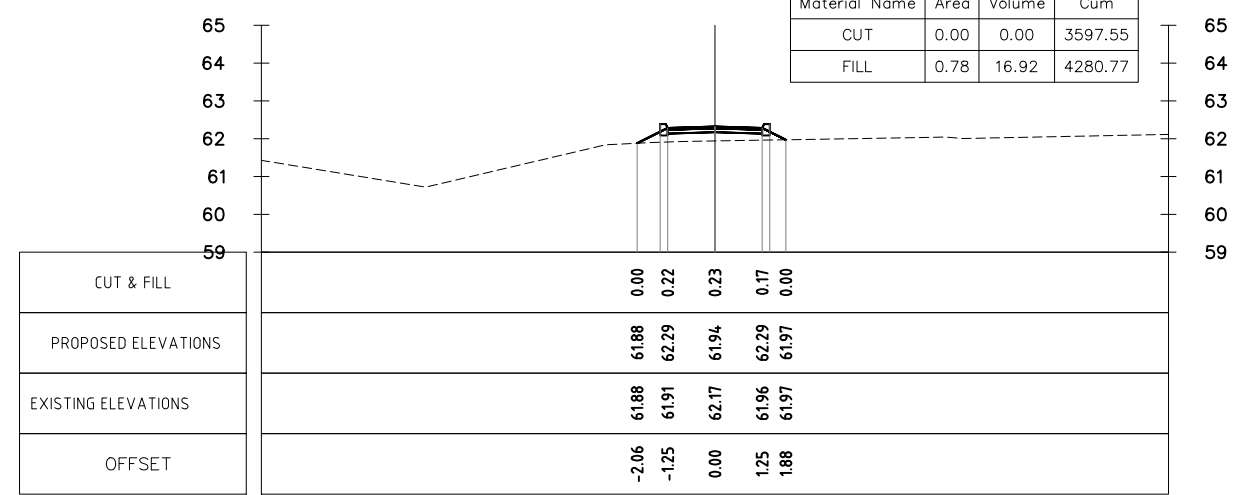
4+520.00  
CL

Material(s) at Station 4+520.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3597.55
FILL	0.91	13.36	4263.85



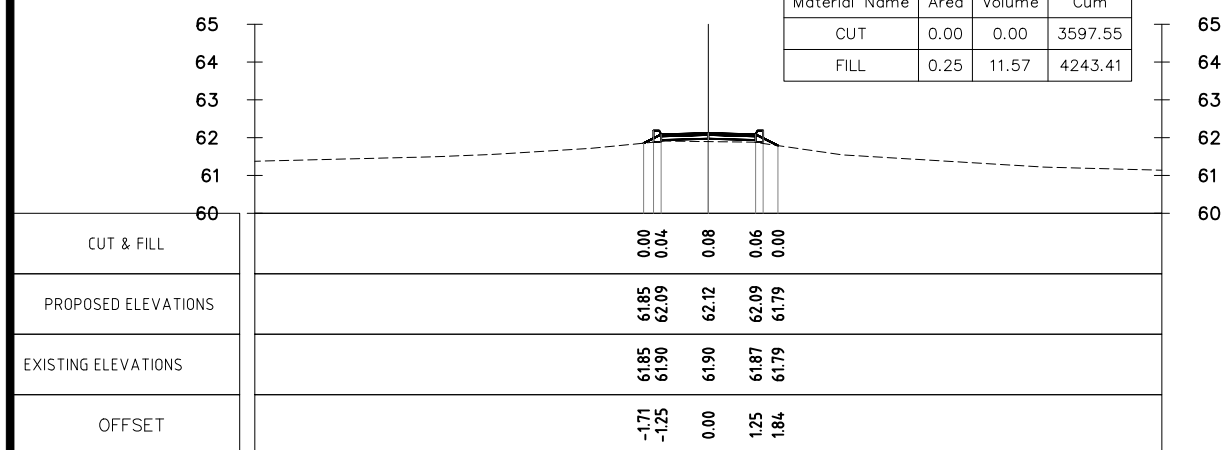
4+540.00  
CL

Material(s) at Station 4+540.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3597.55
FILL	0.78	16.92	4280.77



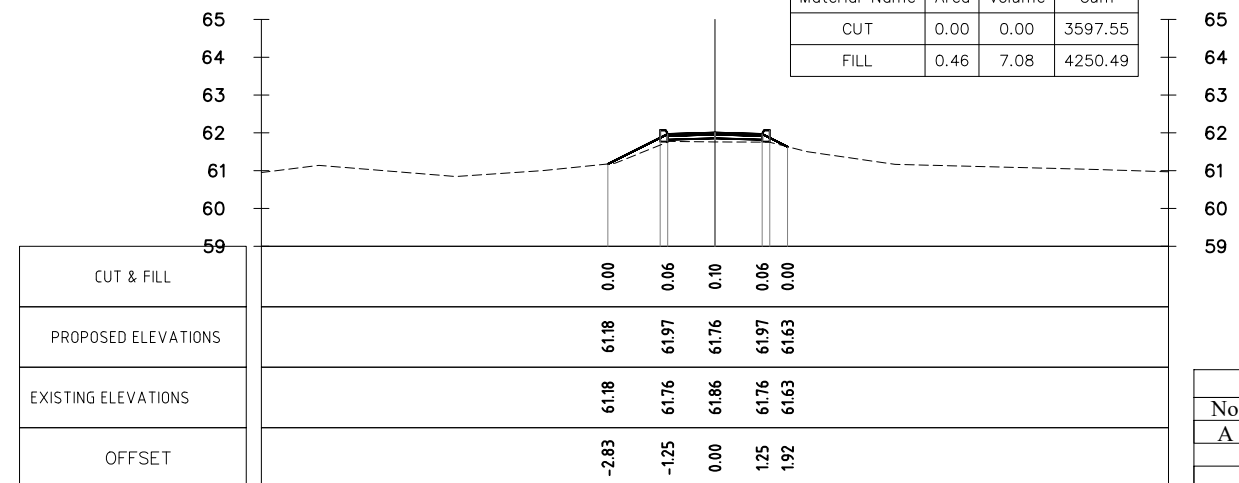
4+480.00  
CL

Material(s) at Station 4+480.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3597.55
FILL	0.25	11.57	4243.41



4+500.00  
CL

Material(s) at Station 4+500.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3597.55
FILL	0.46	7.08	4250.49



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



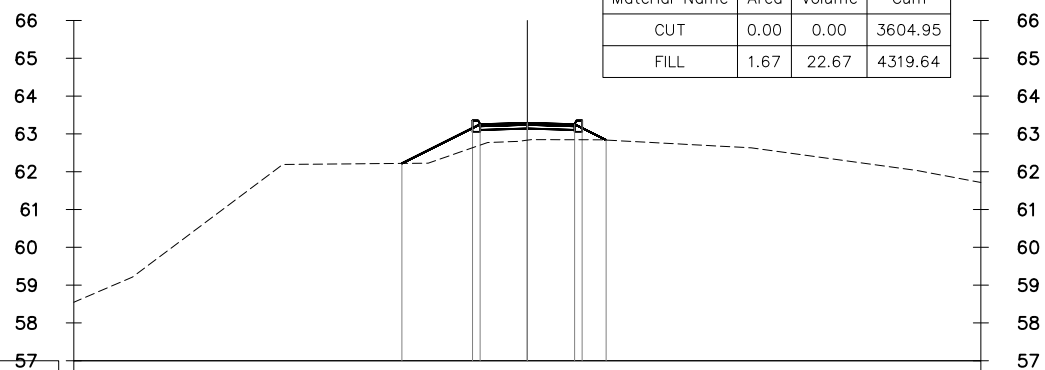
PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+480-4+560

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-239
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4+620.00  
CL

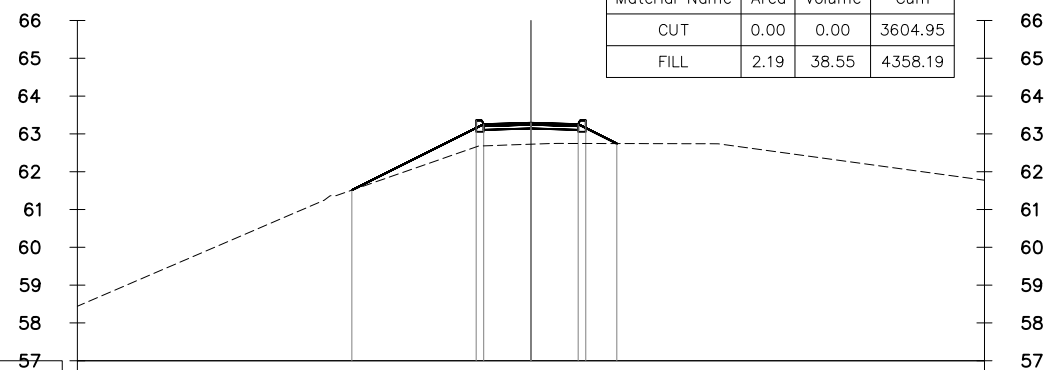
Material(s) at Station 4+620.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3604.95
FILL	1.67	22.67	4319.64



CUT & FILL	0.00	0.40	0.31	0.26	0.00
PROPOSED ELEVATIONS	62.22	63.25	63.29	63.25	62.84
EXISTING ELEVATIONS	62.22	62.70	62.83	62.85	62.84
OFFSET	-3.32	-1.25	0.00	1.25	2.08

4+640.00  
CL

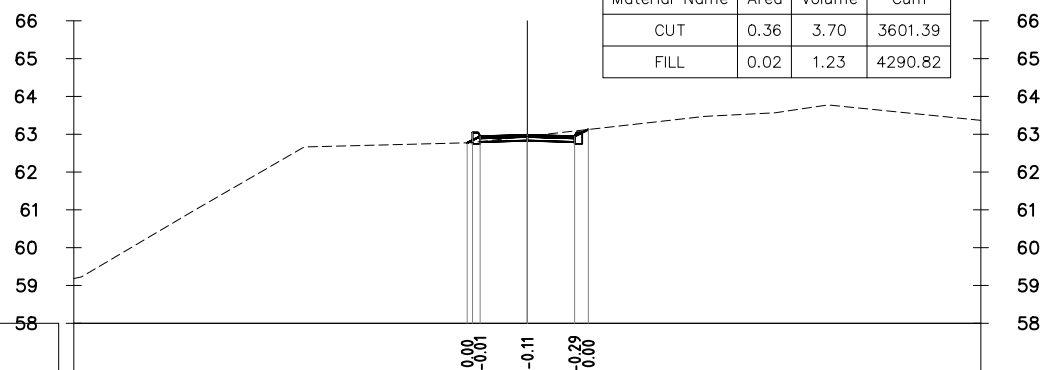
Material(s) at Station 4+640.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3604.95
FILL	2.19	38.55	4358.19



CUT & FILL	0.00	0.42	0.42	0.36	0.00
PROPOSED ELEVATIONS	61.51	63.26	63.29	63.26	62.74
EXISTING ELEVATIONS	61.51	62.88	62.73	62.75	62.74
OFFSET	-4.74	-1.25	0.00	1.25	2.27

4+580.00  
CL

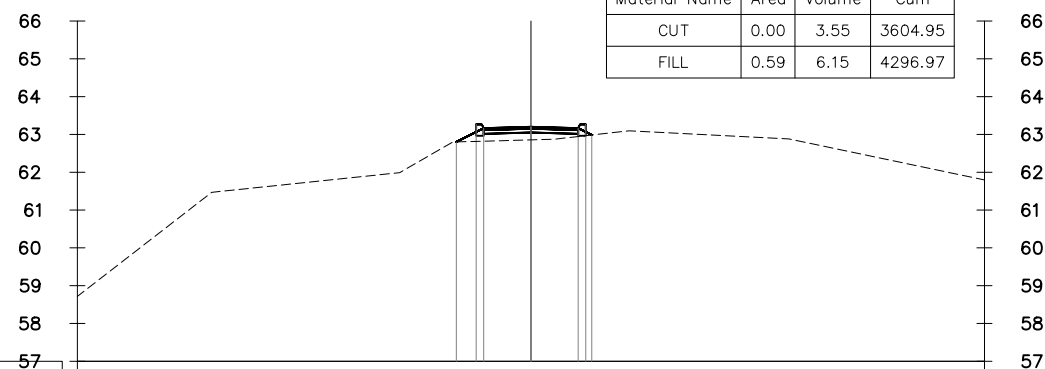
Material(s) at Station 4+580.00			
Material Name	Area	Volume	Cum
CUT	0.36	3.70	3601.39
FILL	0.02	1.23	4290.82



CUT & FILL	0.00	-0.01	-0.11	-0.29	0.00
PROPOSED ELEVATIONS	62.77	62.94	62.94	62.94	63.13
EXISTING ELEVATIONS	62.77	62.83	63.08	63.13	63.13
OFFSET	-1.58	0.00	1.25	1.61	

4+600.00  
CL

Material(s) at Station 4+600.00			
Material Name	Area	Volume	Cum
CUT	0.00	3.55	3604.95
FILL	0.59	6.15	4296.97



CUT & FILL	0.00	0.19	0.20	0.07	0.00
PROPOSED ELEVATIONS	62.80	63.16	62.86	63.16	62.99
EXISTING ELEVATIONS	62.80	62.82	63.05	62.94	62.99
OFFSET	-1.97	-1.25	0.00	1.25	1.61

REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM

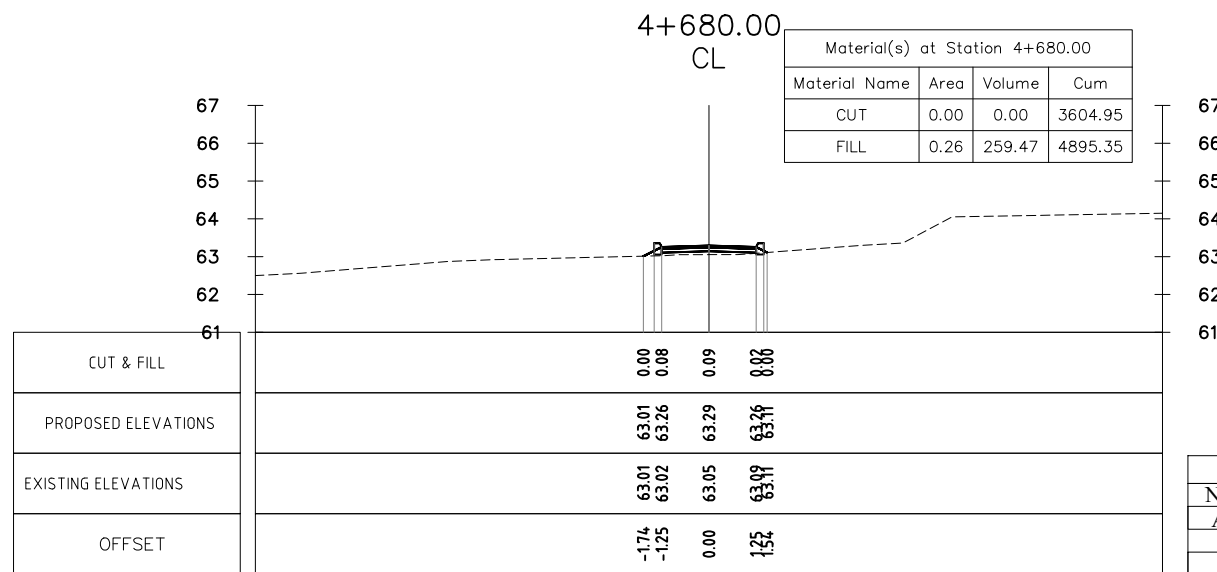
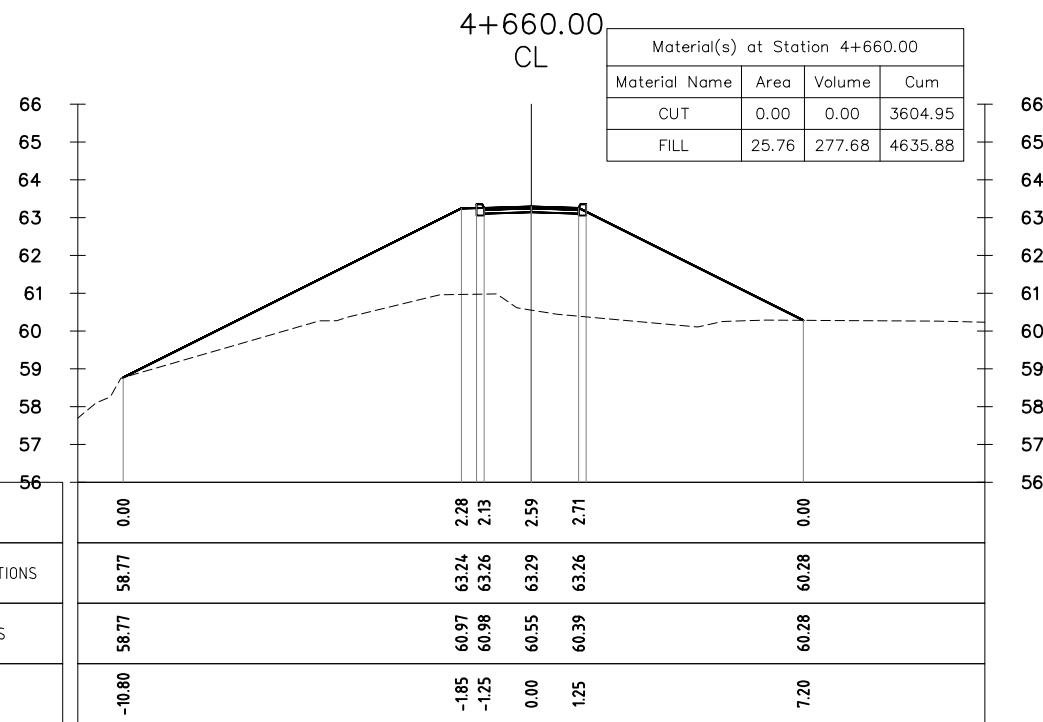
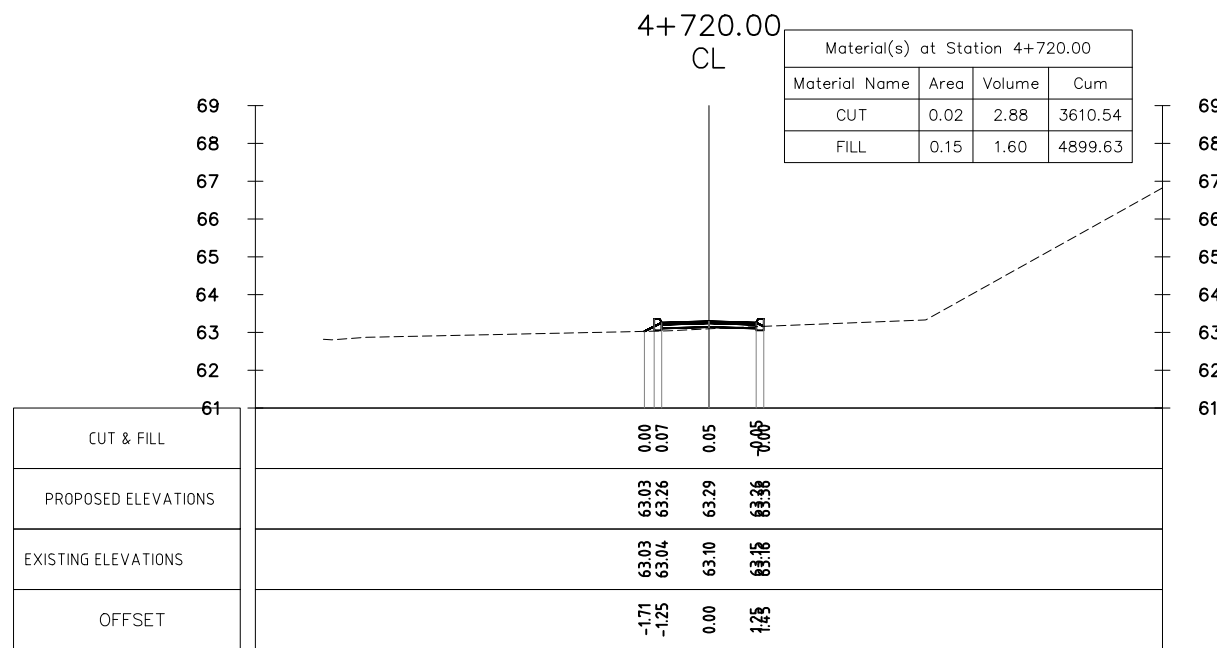
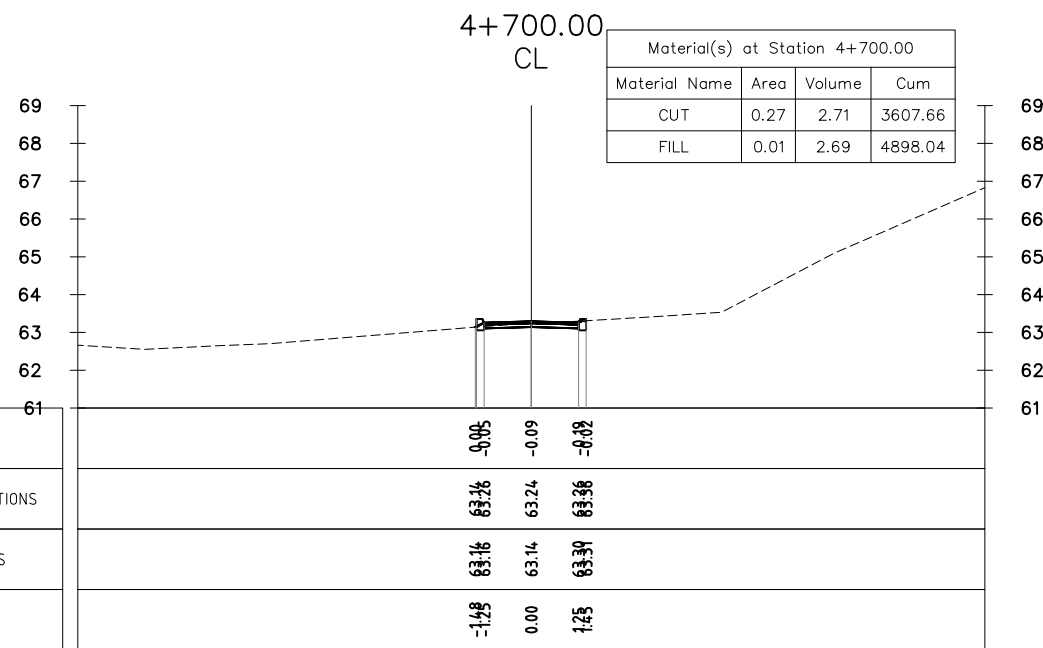


PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+580-4+640

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-240
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



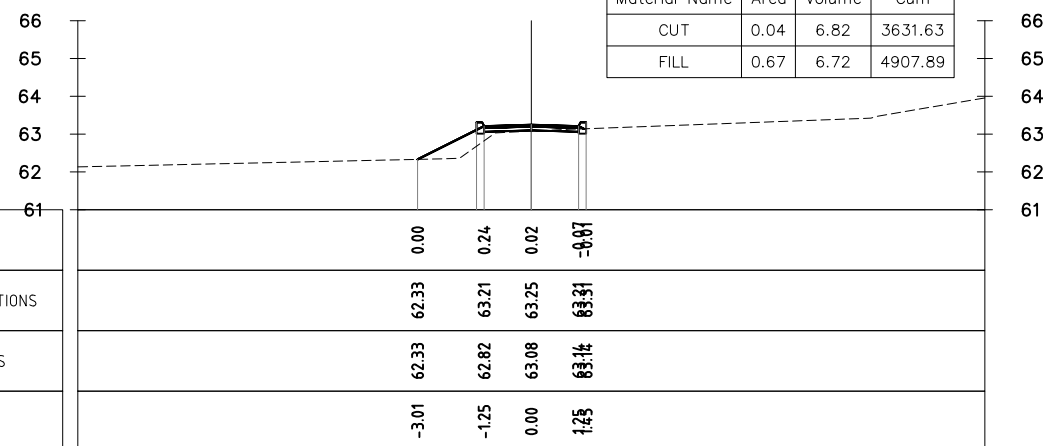
PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+660-4+720

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-241
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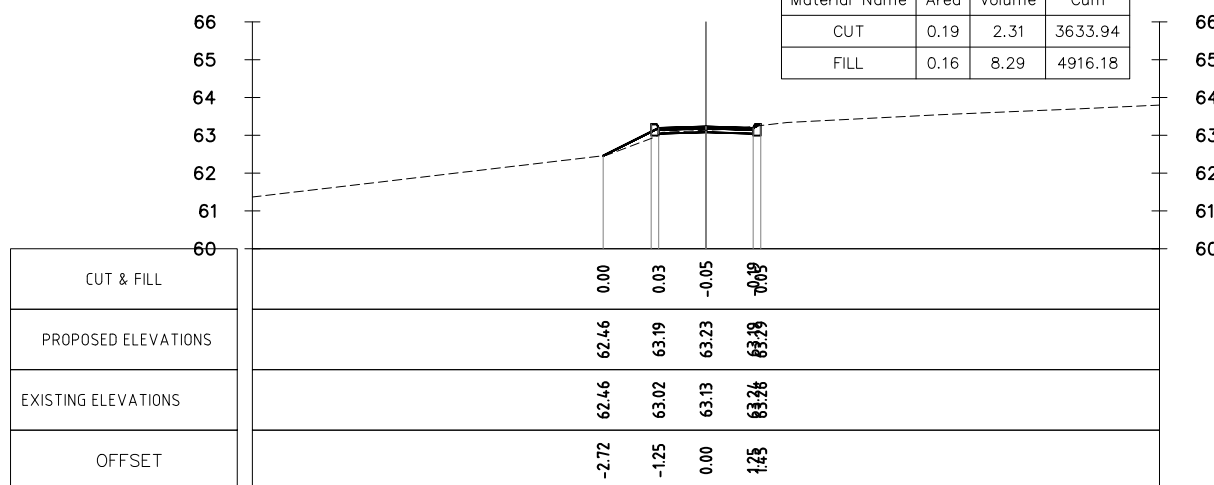
4+780.00  
CL

Material(s) at Station 4+780.00			
Material Name	Area	Volume	Cum
CUT	0.04	6.82	3631.63
FILL	0.67	6.72	4907.89



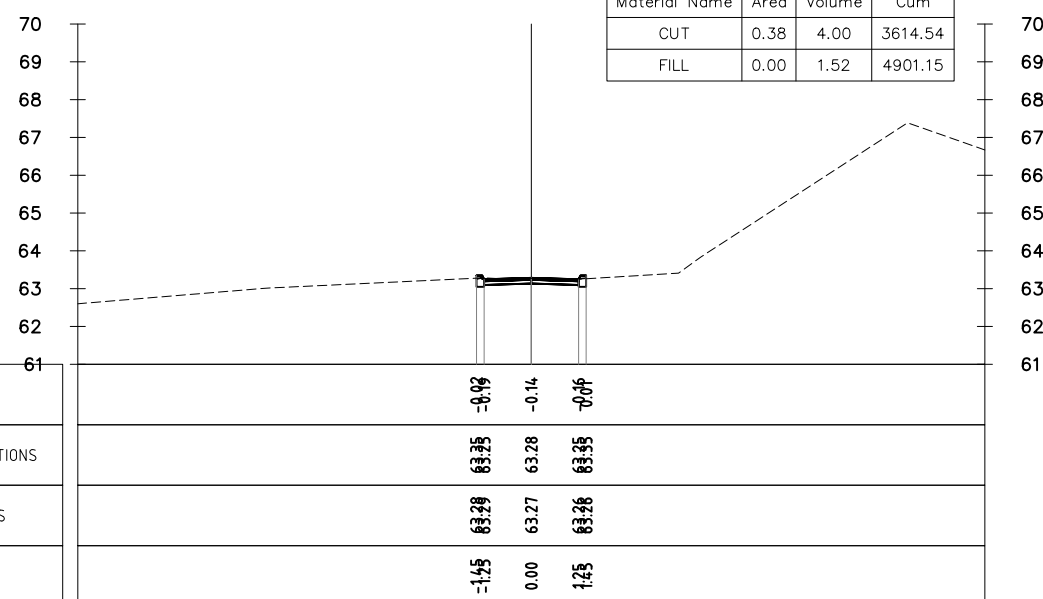
4+800.00  
CL

Material(s) at Station 4+800.00			
Material Name	Area	Volume	Cum
CUT	0.19	2.31	3633.94
FILL	0.16	8.29	4916.18



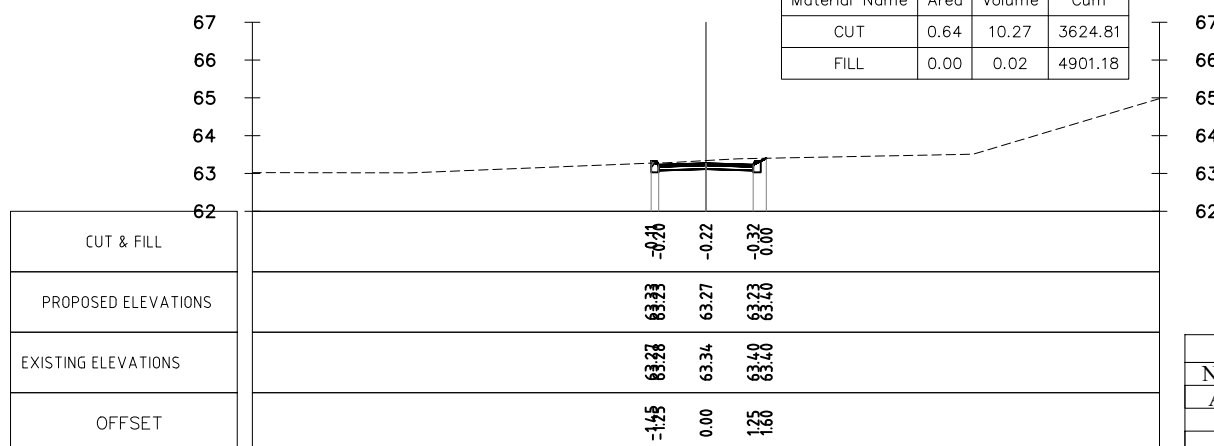
4+740.00  
CL

Material(s) at Station 4+740.00			
Material Name	Area	Volume	Cum
CUT	0.38	4.00	3614.54
FILL	0.00	1.52	4901.15



4+760.00  
CL

Material(s) at Station 4+760.00			
Material Name	Area	Volume	Cum
CUT	0.64	10.27	3624.81
FILL	0.00	0.02	4901.18



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

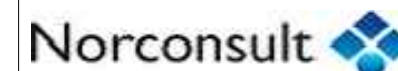
Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:  
DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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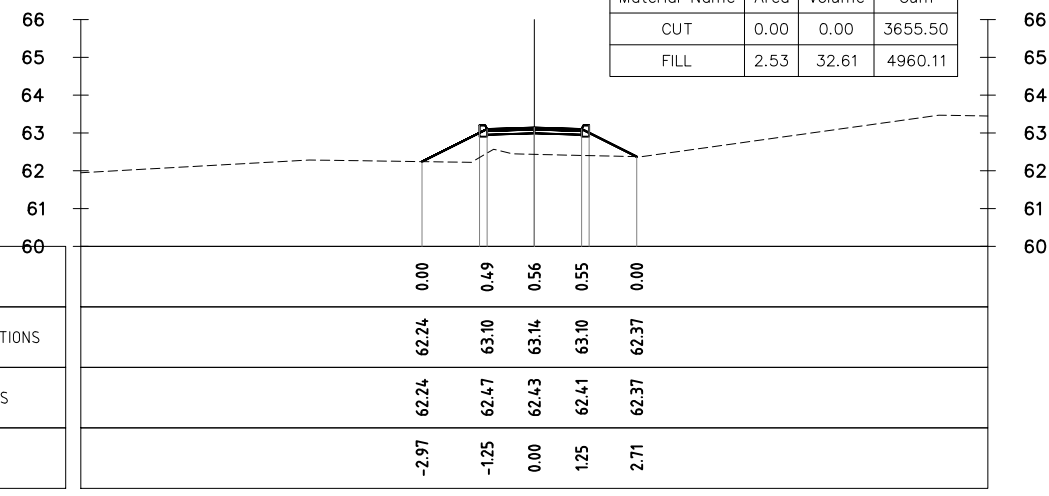
PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+740-4+800

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-242
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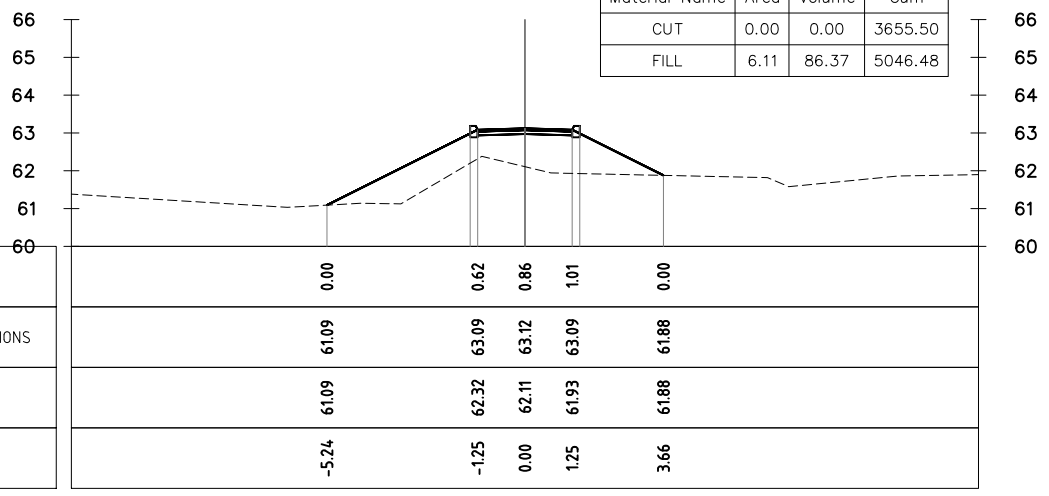
4+900.00  
CL

Material(s) at Station 4+900.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3655.50
FILL	2.53	32.61	4960.11



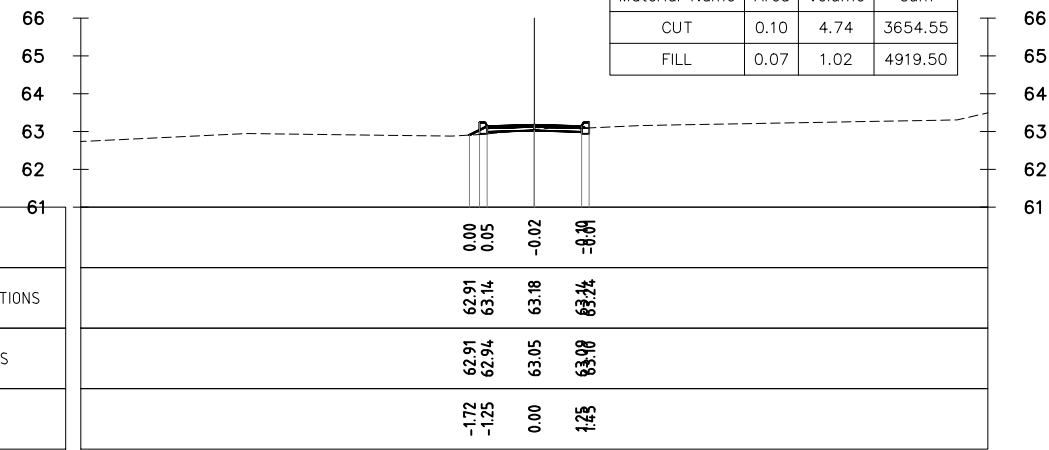
4+920.00  
CL

Material(s) at Station 4+920.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3655.50
FILL	6.11	86.37	5046.48



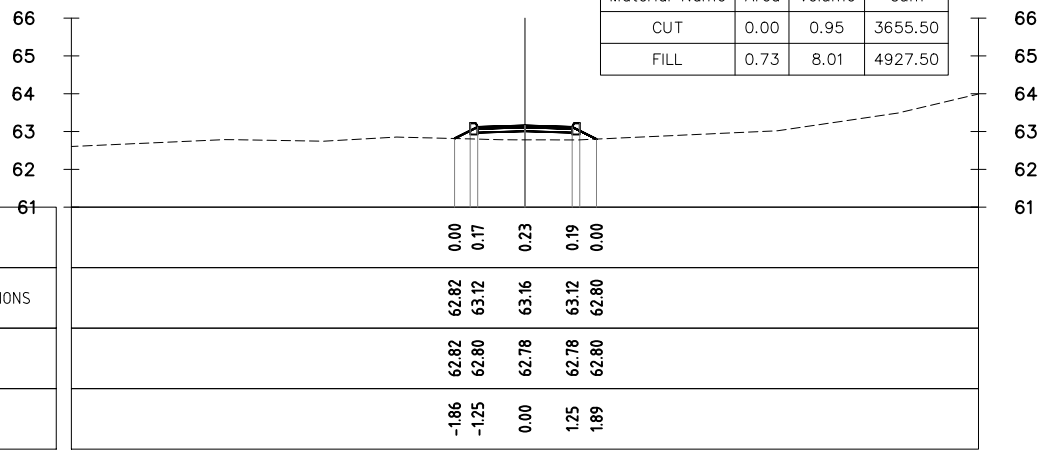
4+860.00  
CL

Material(s) at Station 4+860.00			
Material Name	Area	Volume	Cum
CUT	0.10	4.74	3654.55
FILL	0.07	1.02	4919.50



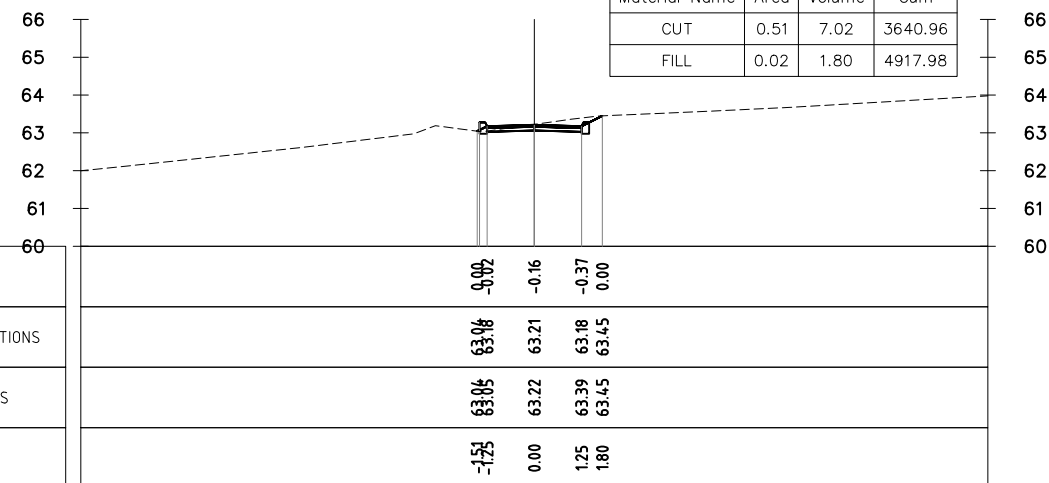
4+880.00  
CL

Material(s) at Station 4+880.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.95	3655.50
FILL	0.73	8.01	4927.50



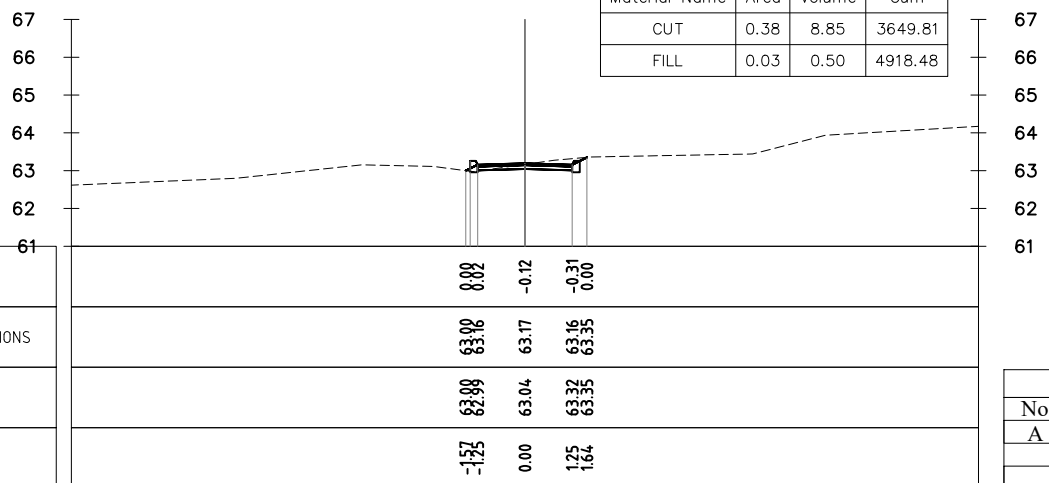
4+820.00  
CL

Material(s) at Station 4+820.00			
Material Name	Area	Volume	Cum
CUT	0.51	7.02	3640.96
FILL	0.02	1.80	4917.98



4+840.00  
CL

Material(s) at Station 4+840.00			
Material Name	Area	Volume	Cum
CUT	0.38	8.85	3649.81
FILL	0.03	0.50	4918.48



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



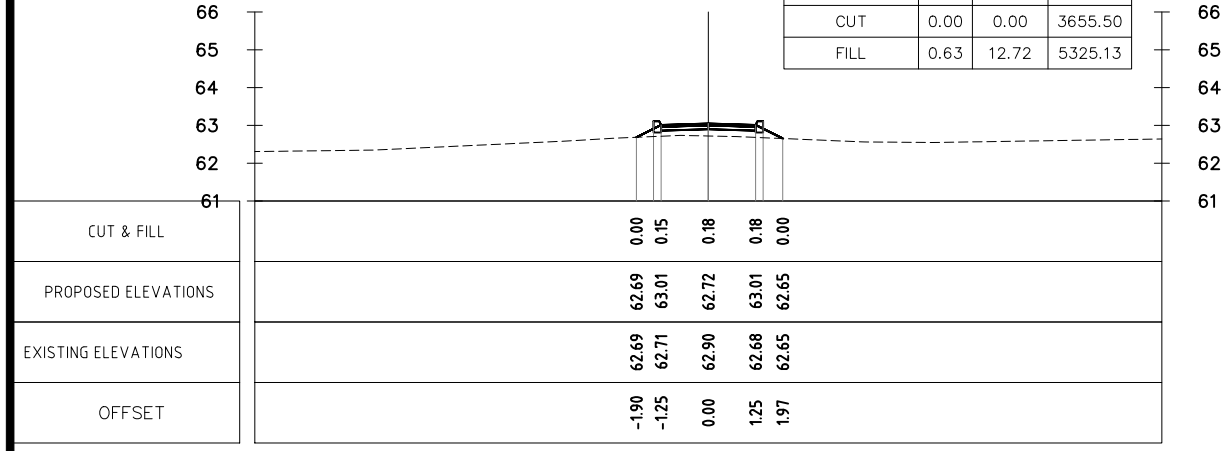
PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+820-4+920

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-243
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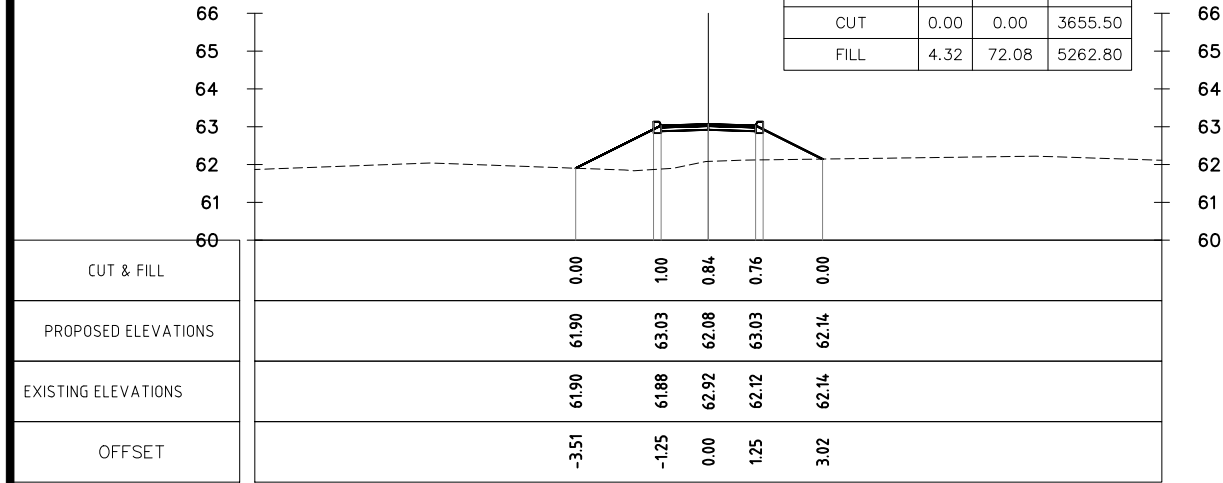
5+020.00  
CL

Material(s) at Station 5+020.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3655.50
FILL	0.63	12.72	5325.13



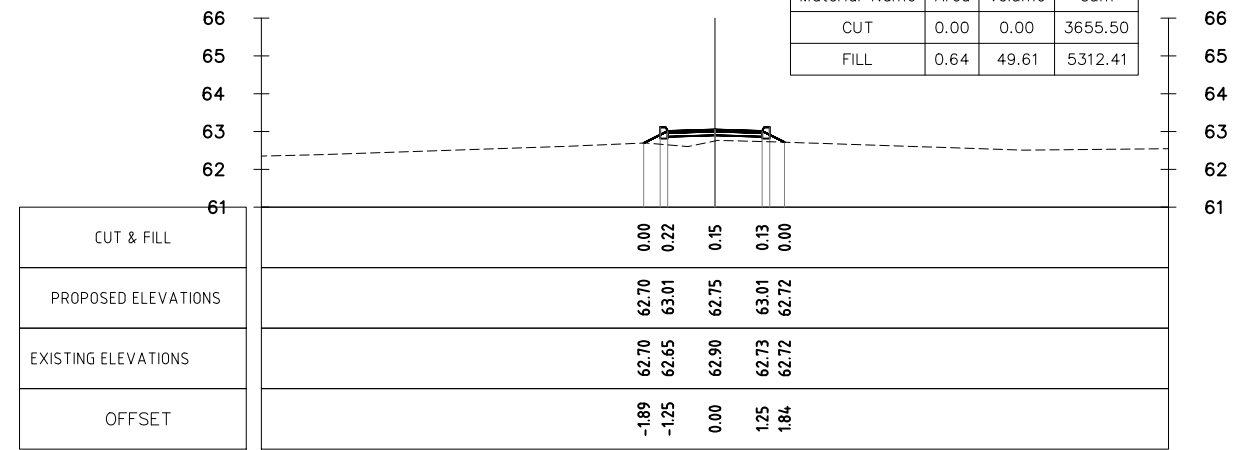
4+980.00  
CL

Material(s) at Station 4+980.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3655.50
FILL	4.32	72.08	5262.80



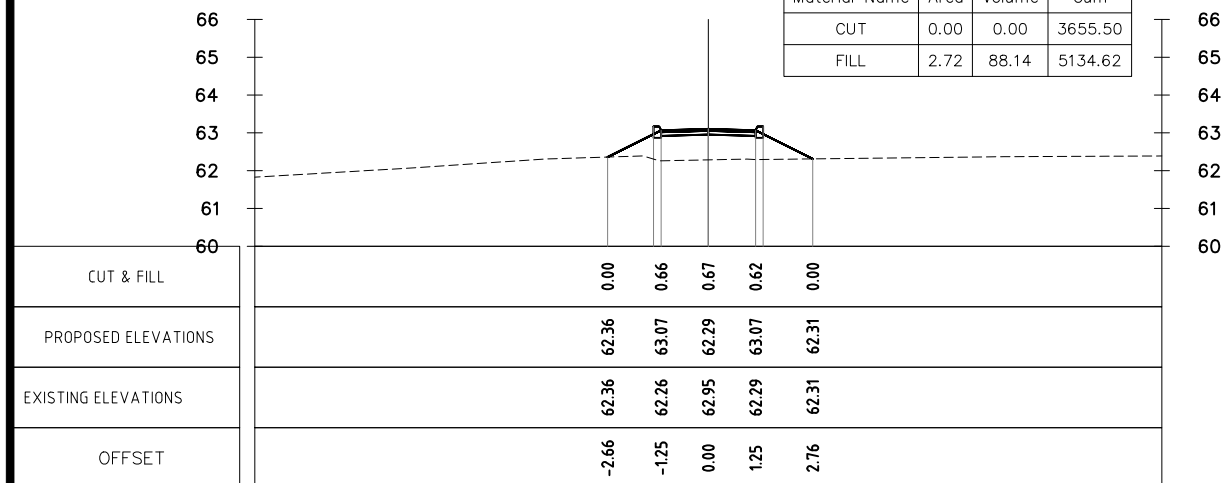
5+000.00  
CL

Material(s) at Station 5+000.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3655.50
FILL	0.64	49.61	5312.41



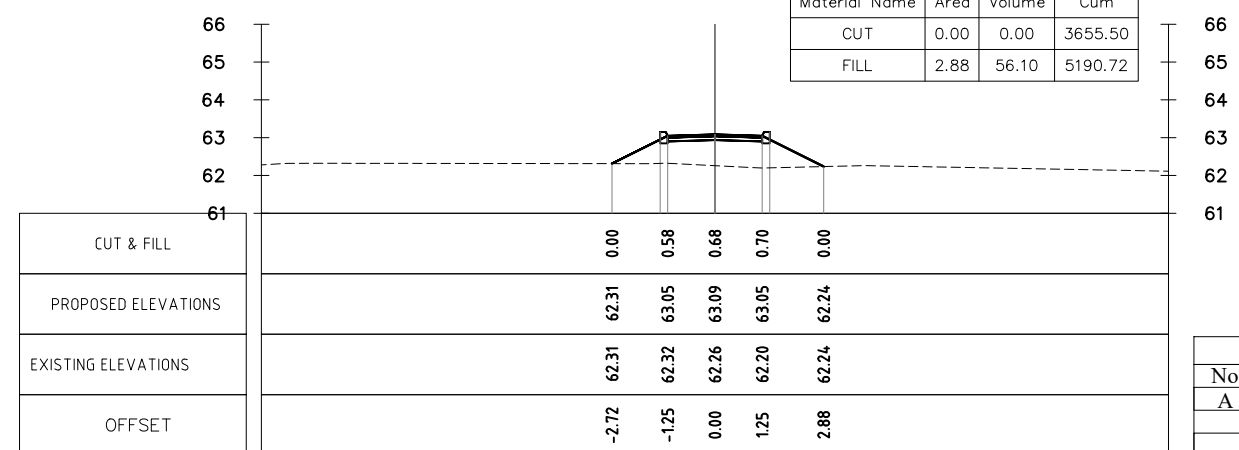
4+940.00  
CL

Material(s) at Station 4+940.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3655.50
FILL	2.72	88.14	5134.62



4+960.00  
CL

Material(s) at Station 4+960.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3655.50
FILL	2.88	56.10	5190.72



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR



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MINISTRY OF INFORMATION, CULTURE & TOURISM



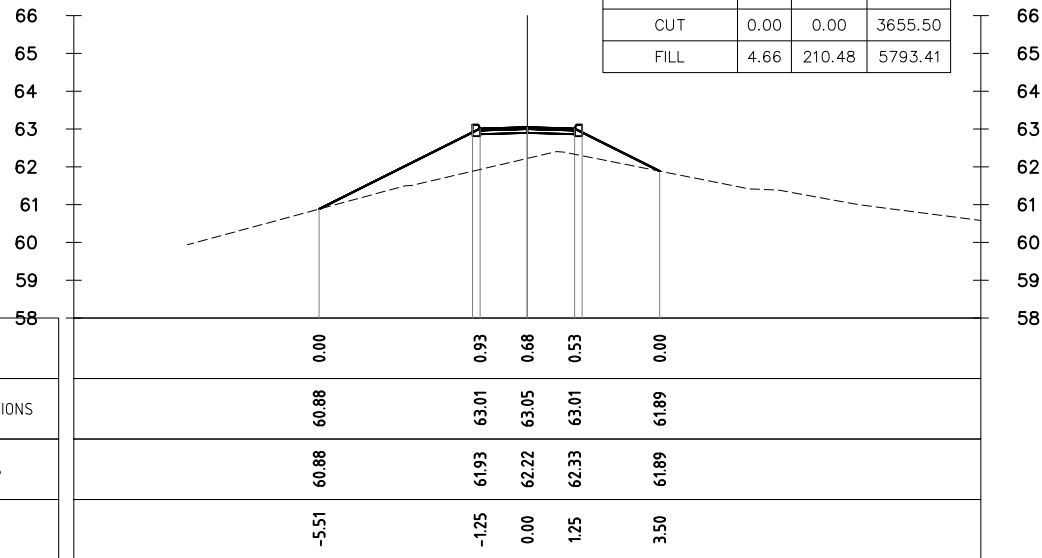
PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 4+940-5+020

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-244
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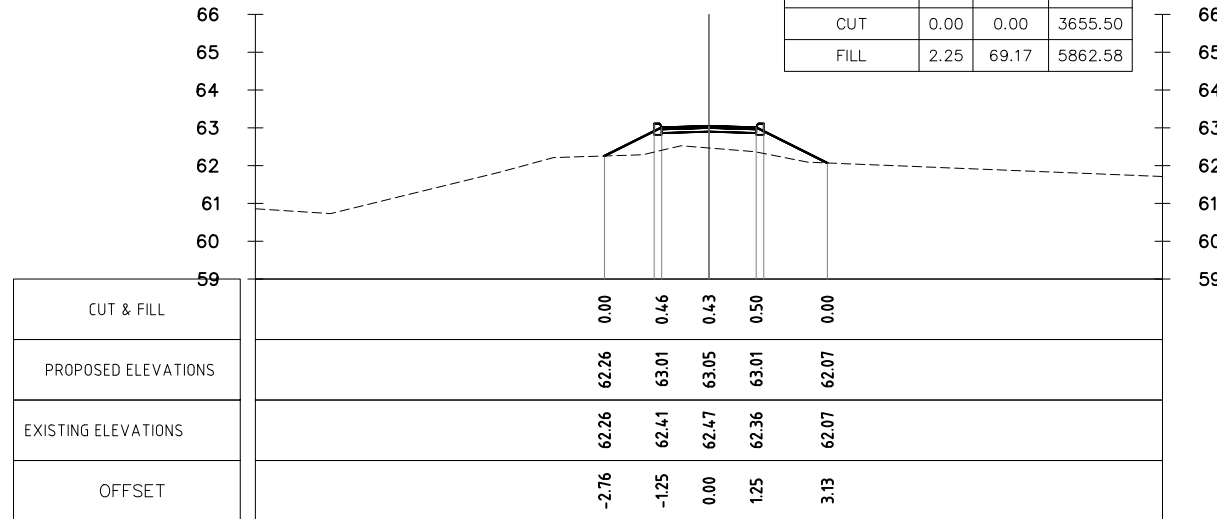
5+080.00  
CL

Material(s) at Station 5+080.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3655.50
FILL	4.66	210.48	5793.41



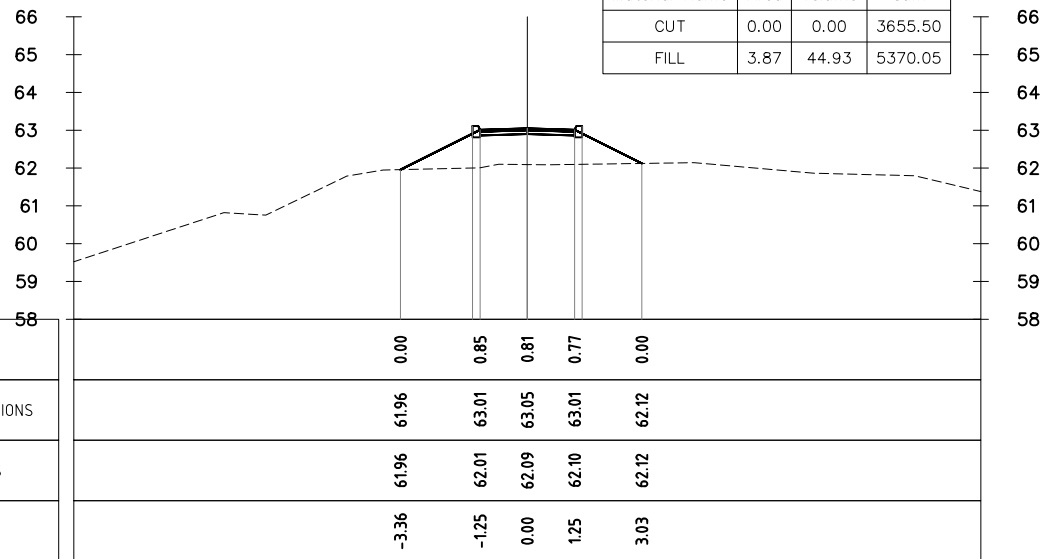
5+100.00  
CL

Material(s) at Station 5+100.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3655.50
FILL	2.25	69.17	5862.58



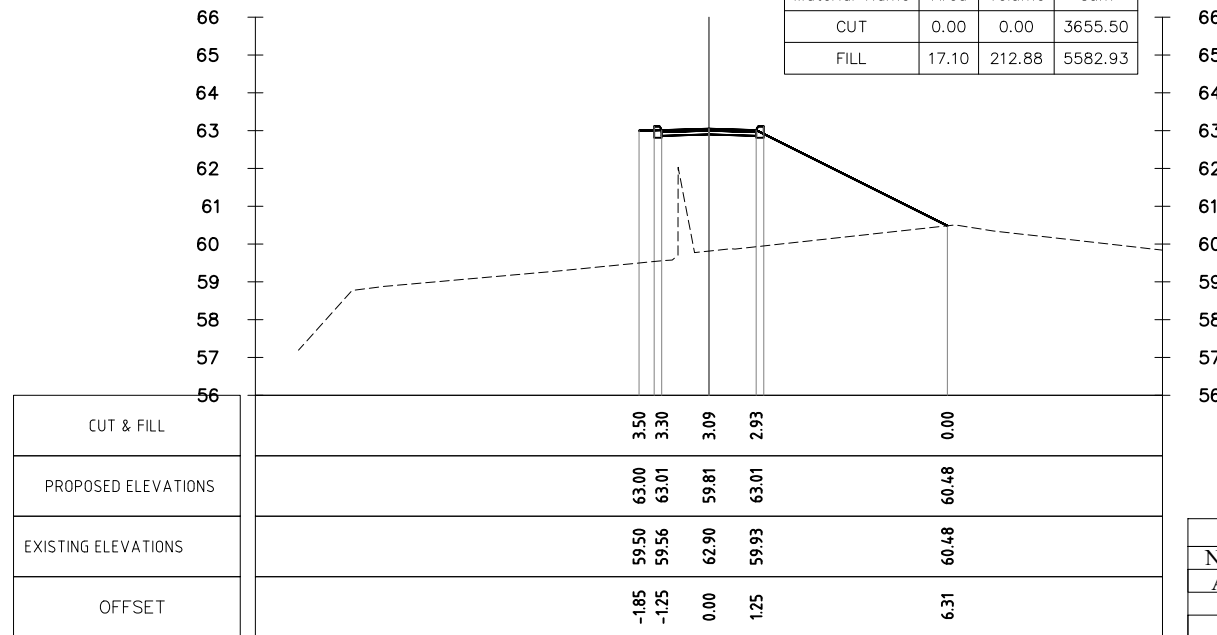
5+040.00  
CL

Material(s) at Station 5+040.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3655.50
FILL	3.87	44.93	5370.05



5+060.00  
CL

Material(s) at Station 5+060.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3655.50
FILL	17.10	212.88	5582.93



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



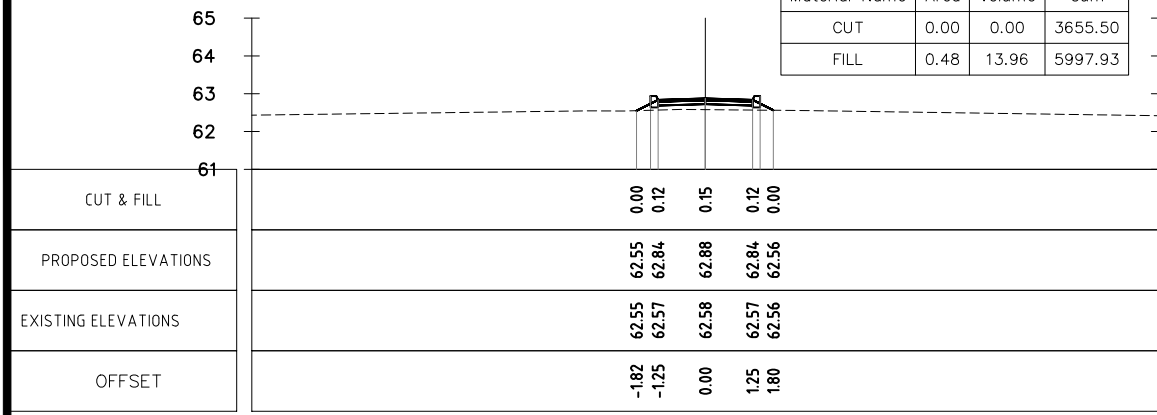
PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 5+040-5+100

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-245
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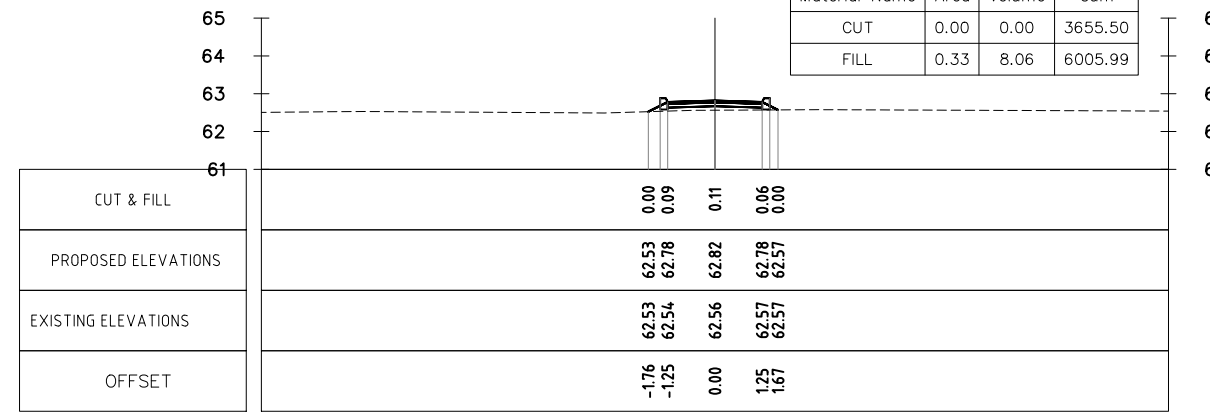
5+200.00  
CL

Material(s) at Station 5+200.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3655.50
FILL	0.48	13.96	5997.93



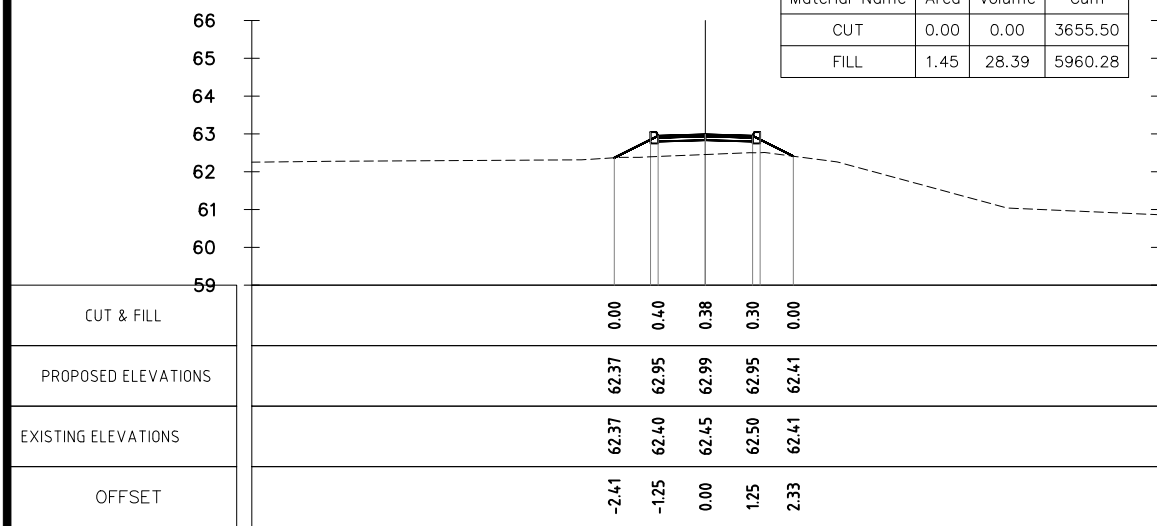
5+220.00  
CL

Material(s) at Station 5+220.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3655.50
FILL	0.33	8.06	6005.99



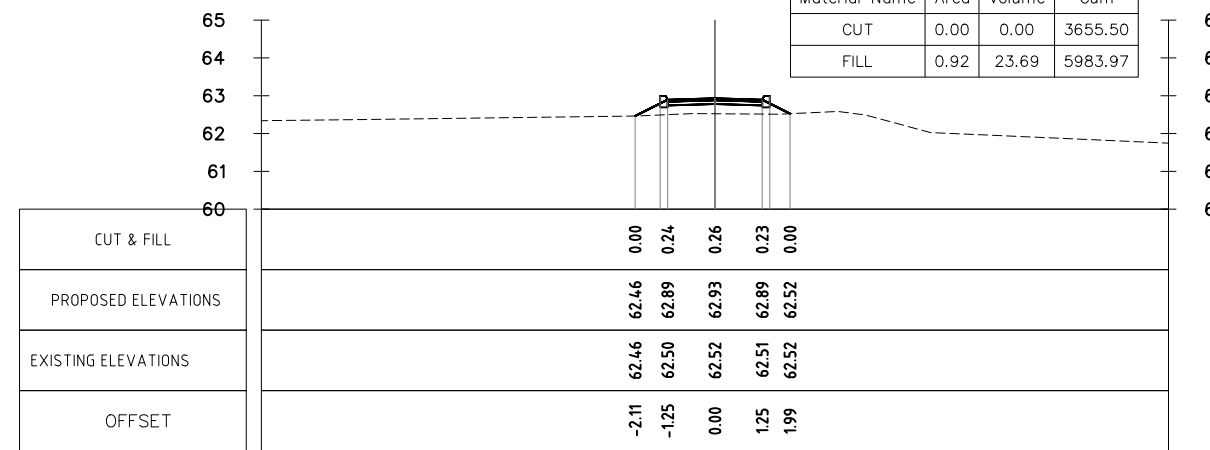
5+160.00  
CL

Material(s) at Station 5+160.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3655.50
FILL	1.45	28.39	5960.28



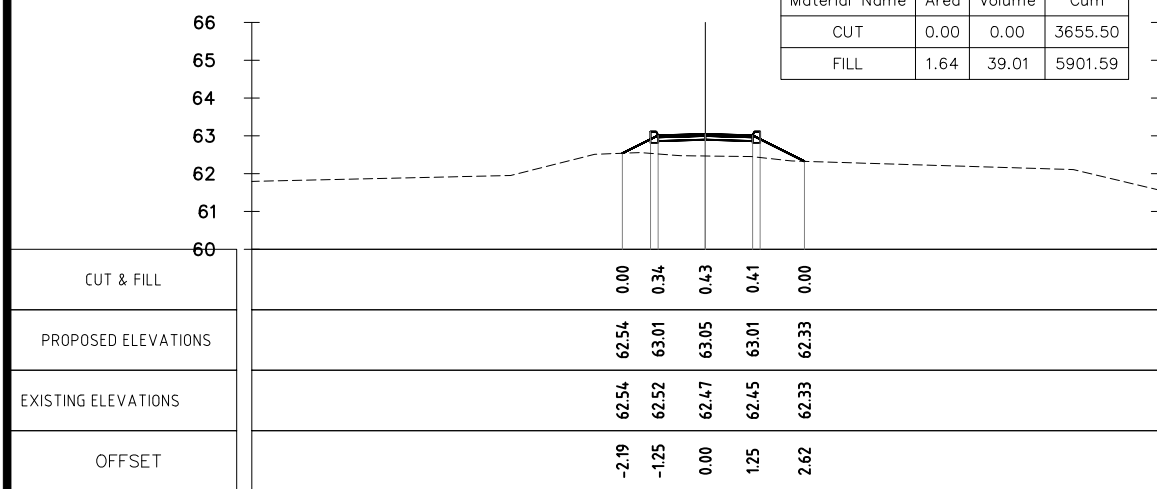
5+180.00  
CL

Material(s) at Station 5+180.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3655.50
FILL	0.92	23.69	5983.97



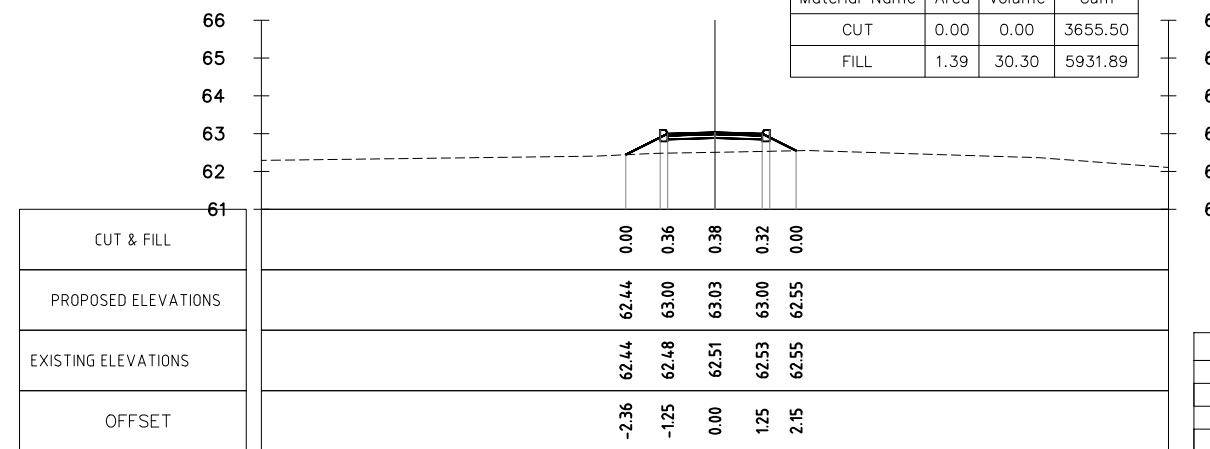
5+120.00  
CL

Material(s) at Station 5+120.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3655.50
FILL	1.64	39.01	5901.59



5+140.00  
CL

Material(s) at Station 5+140.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.00	3655.50
FILL	1.39	30.30	5931.89



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

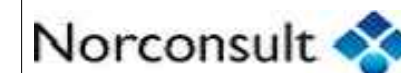
Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



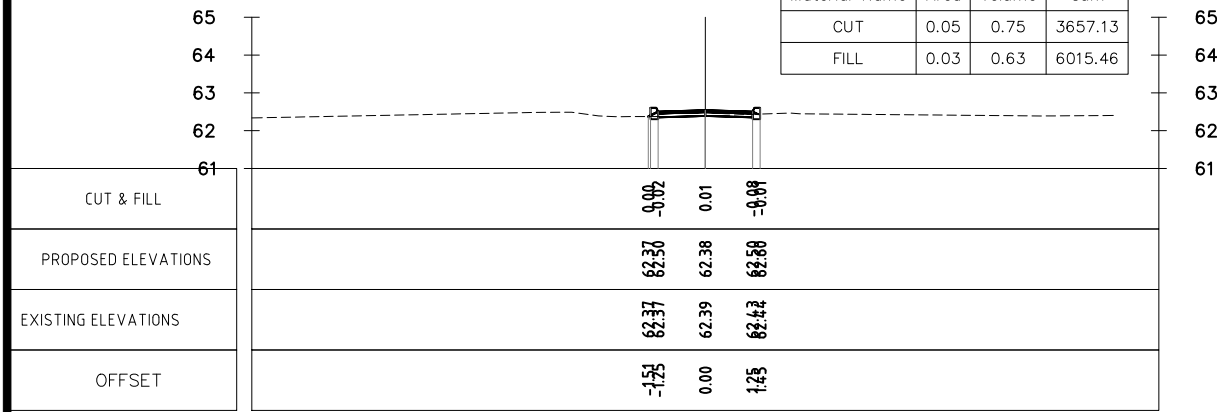
PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 5+120-5+220

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-246
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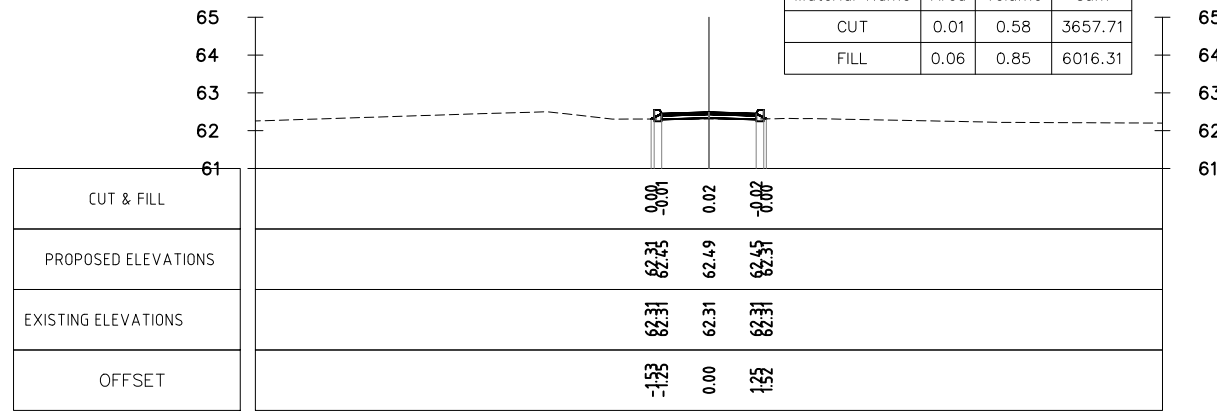
5+320.00  
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Material(s) at Station 5+320.00			
Material Name	Area	Volume	Cum
CUT	0.05	0.75	3657.13
FILL	0.03	0.63	6015.46



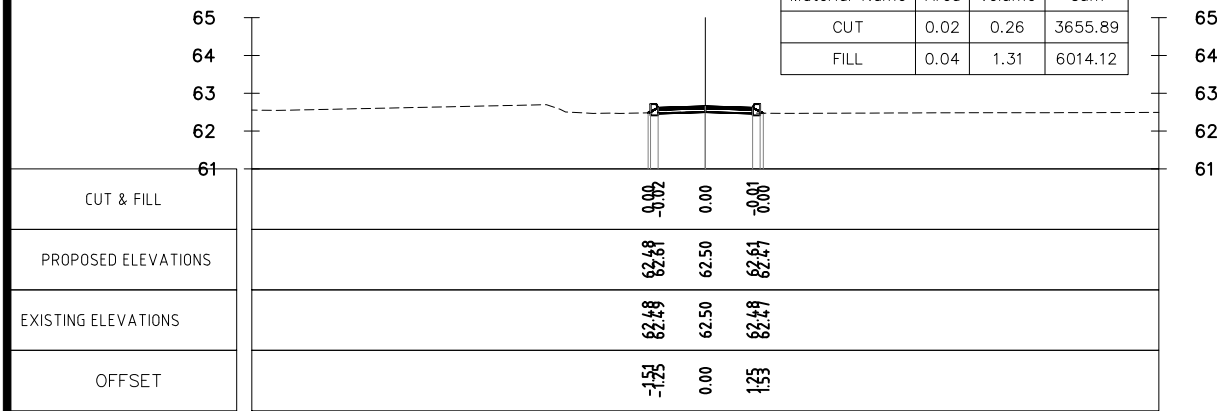
5+340.00  
CL

Material(s) at Station 5+340.00			
Material Name	Area	Volume	Cum
CUT	0.01	0.58	3657.71
FILL	0.06	0.85	6016.31



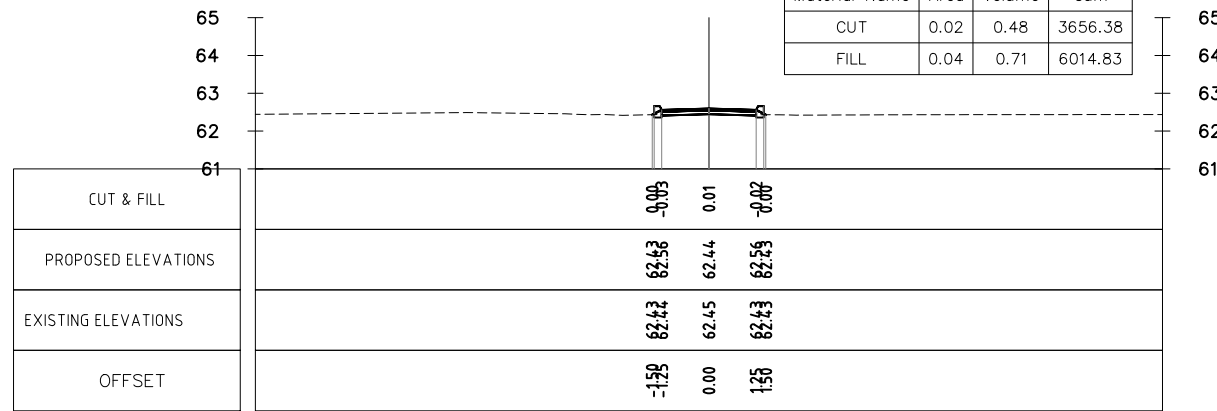
5+280.00  
CL

Material(s) at Station 5+280.00			
Material Name	Area	Volume	Cum
CUT	0.02	0.26	3655.89
FILL	0.04	1.31	6014.12



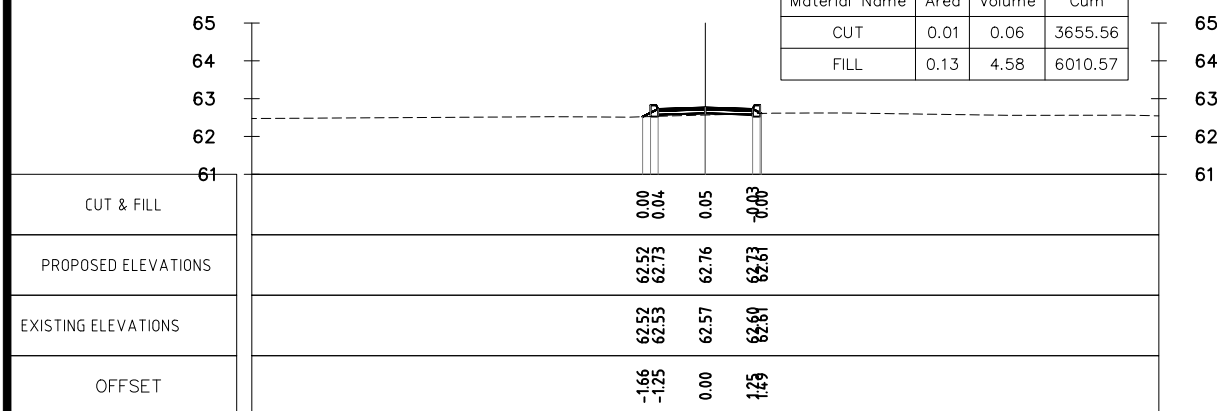
5+300.00  
CL

Material(s) at Station 5+300.00			
Material Name	Area	Volume	Cum
CUT	0.02	0.48	3656.38
FILL	0.04	0.71	6014.83



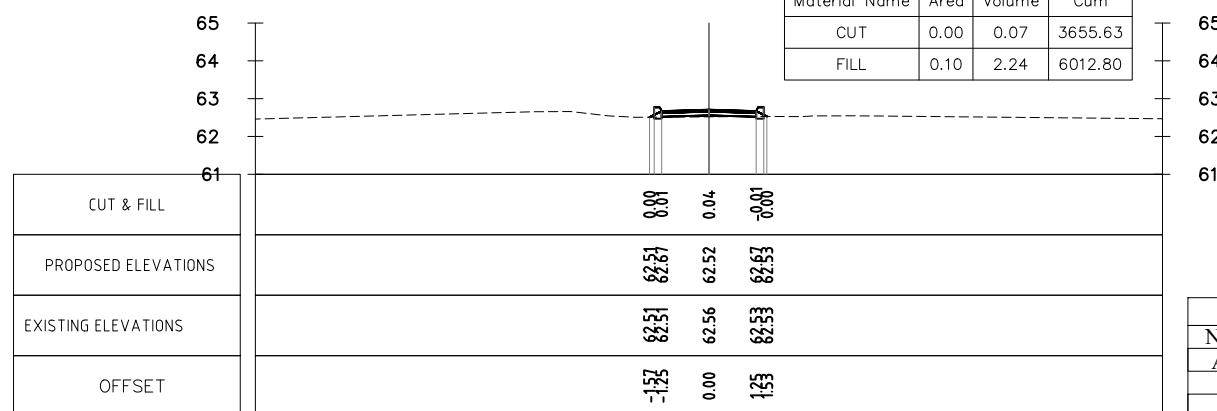
5+240.00  
CL

Material(s) at Station 5+240.00			
Material Name	Area	Volume	Cum
CUT	0.01	0.06	3655.56
FILL	0.13	4.58	6010.57



5+260.00  
CL

Material(s) at Station 5+260.00			
Material Name	Area	Volume	Cum
CUT	0.00	0.07	3655.63
FILL	0.10	2.24	6012.80



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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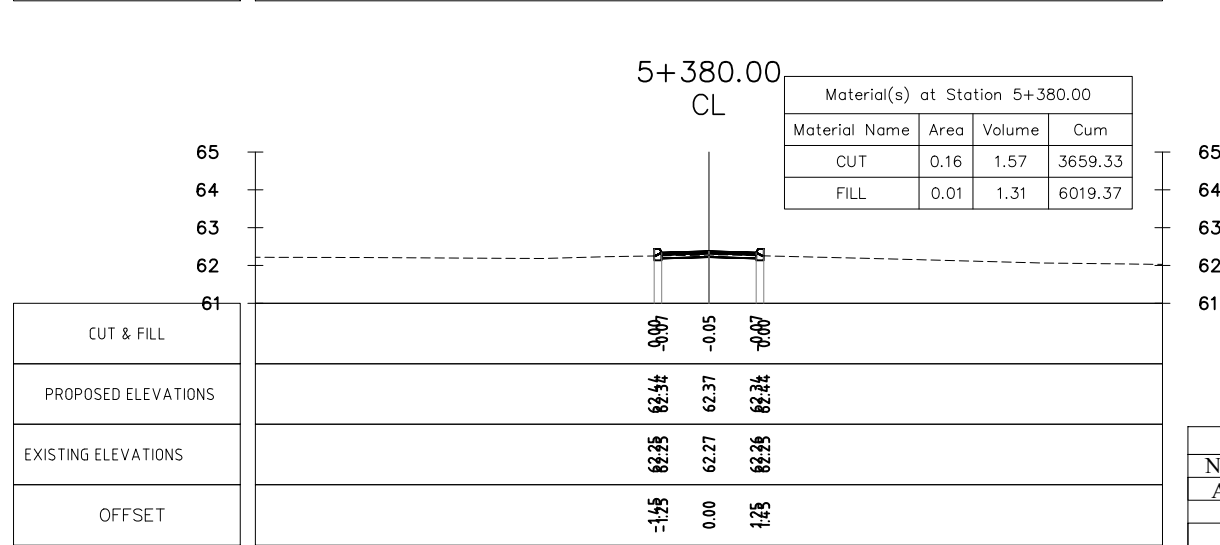
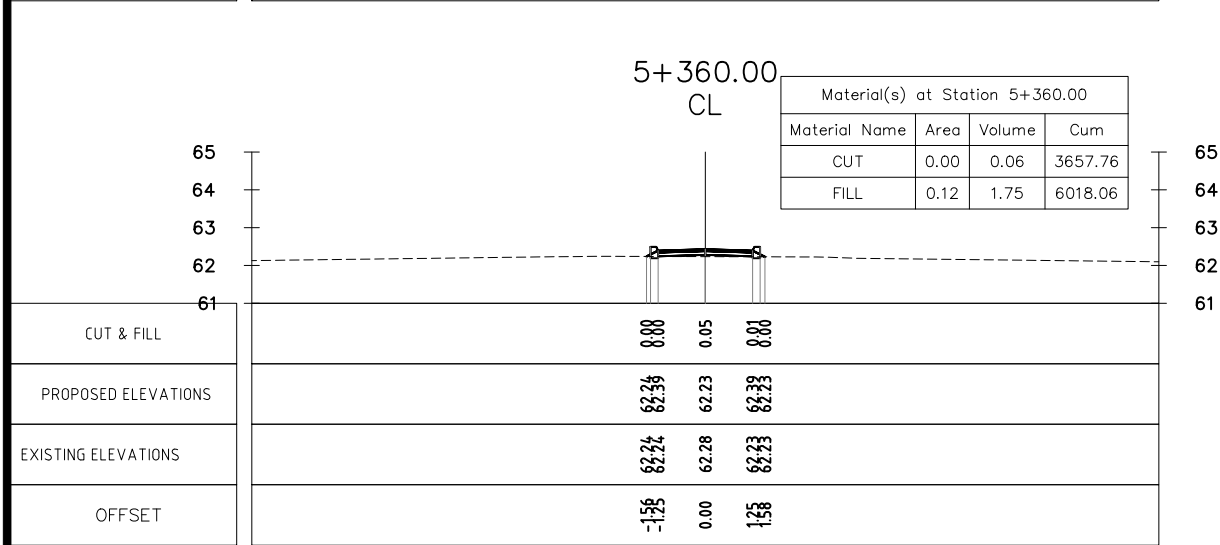
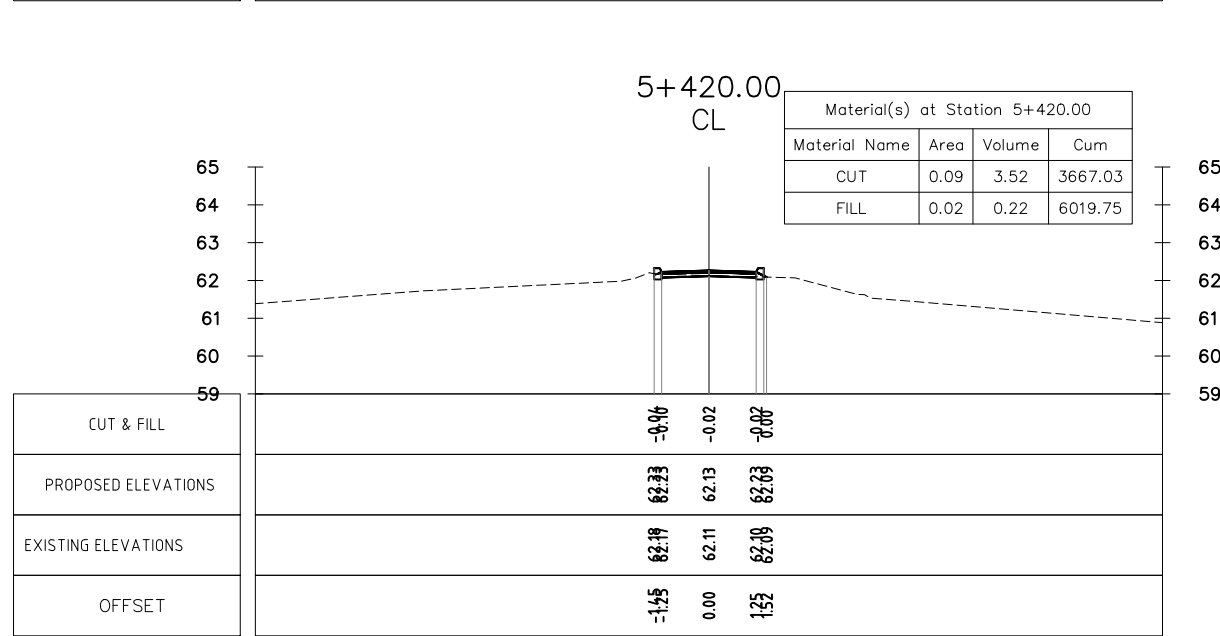
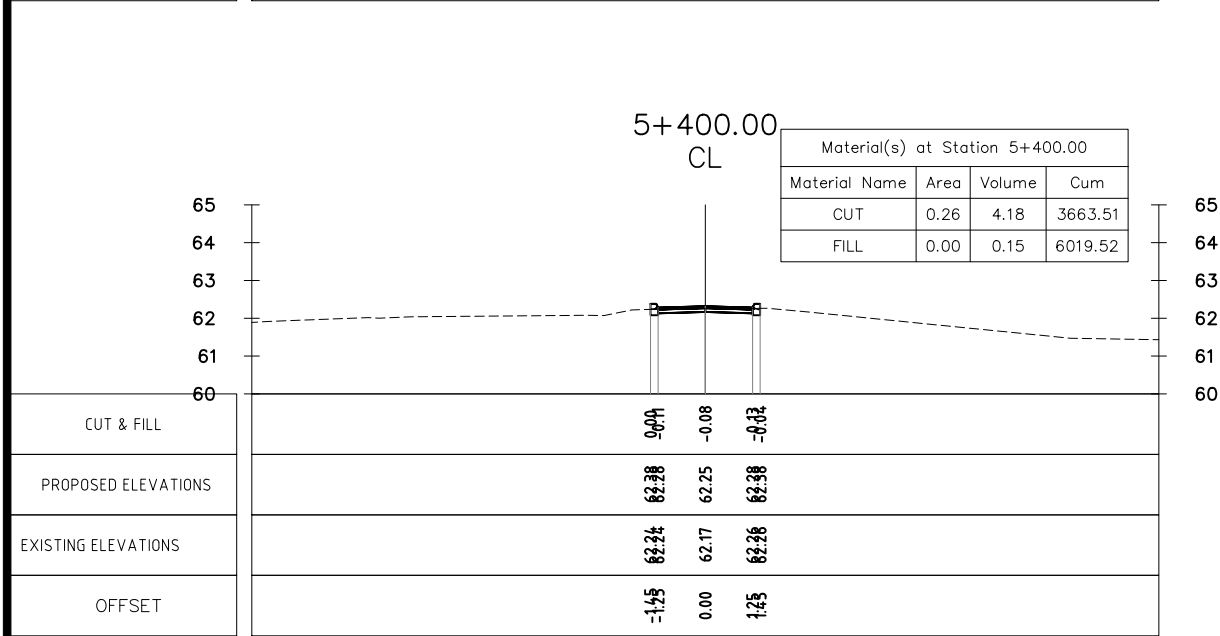
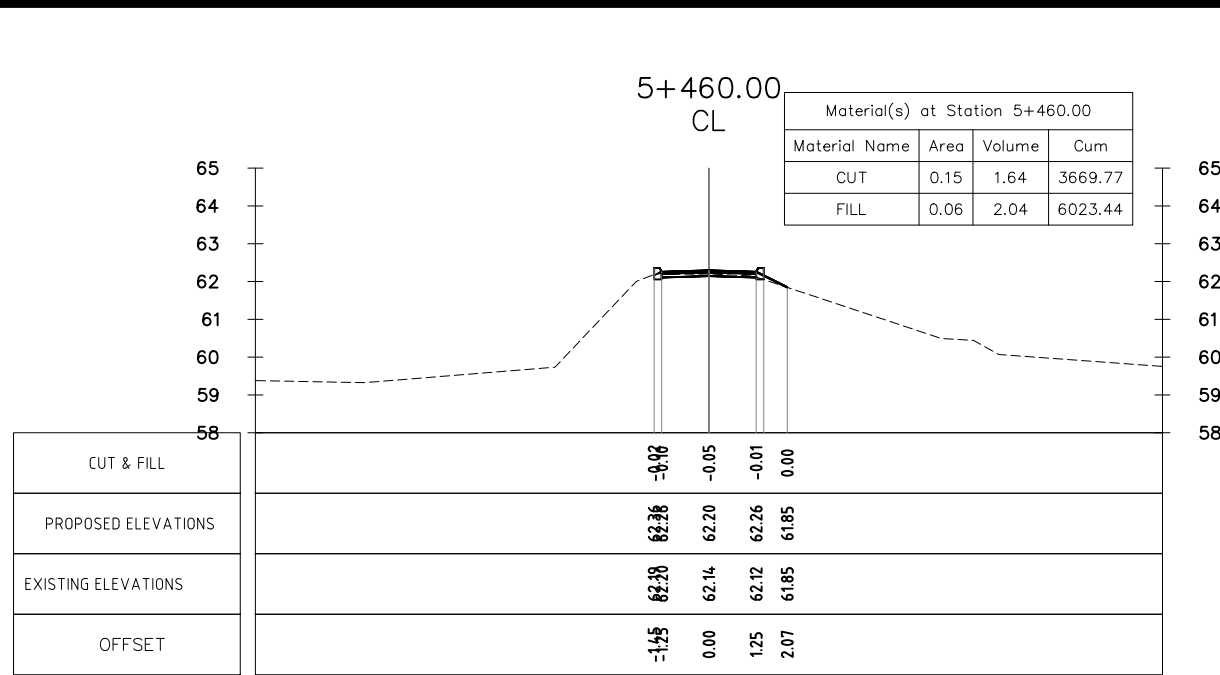
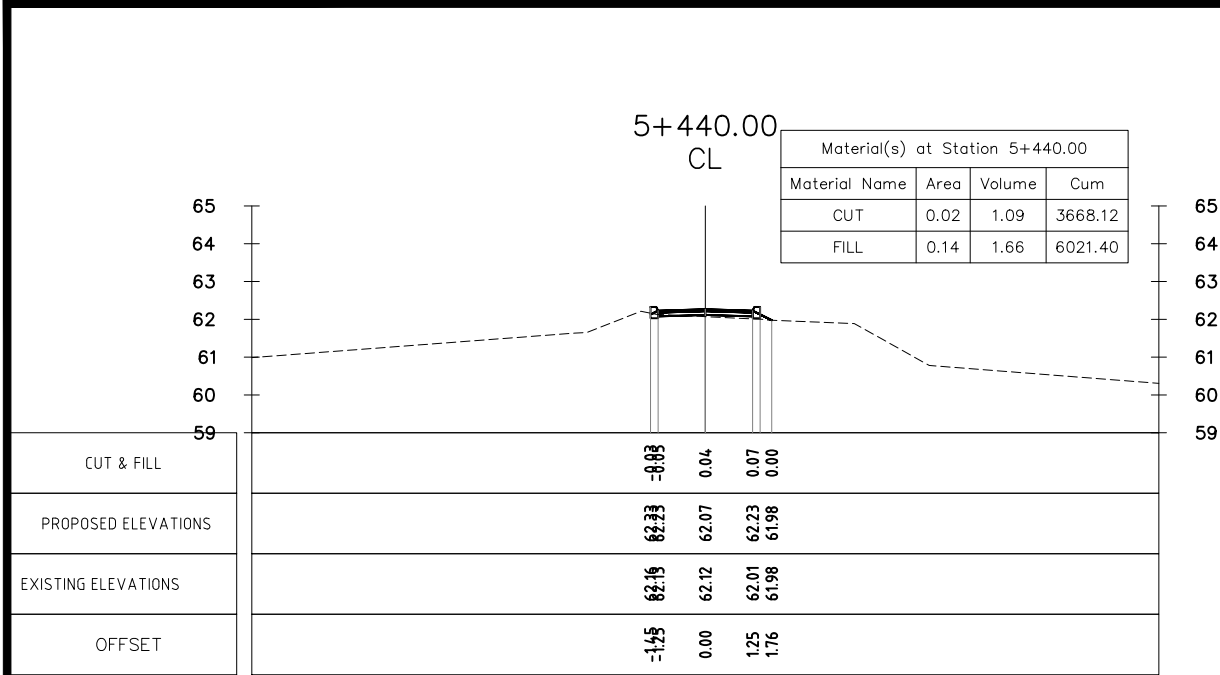
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 5+240-5+340

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-247
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

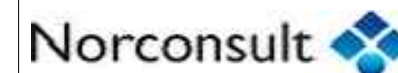
TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 5+360-5+460

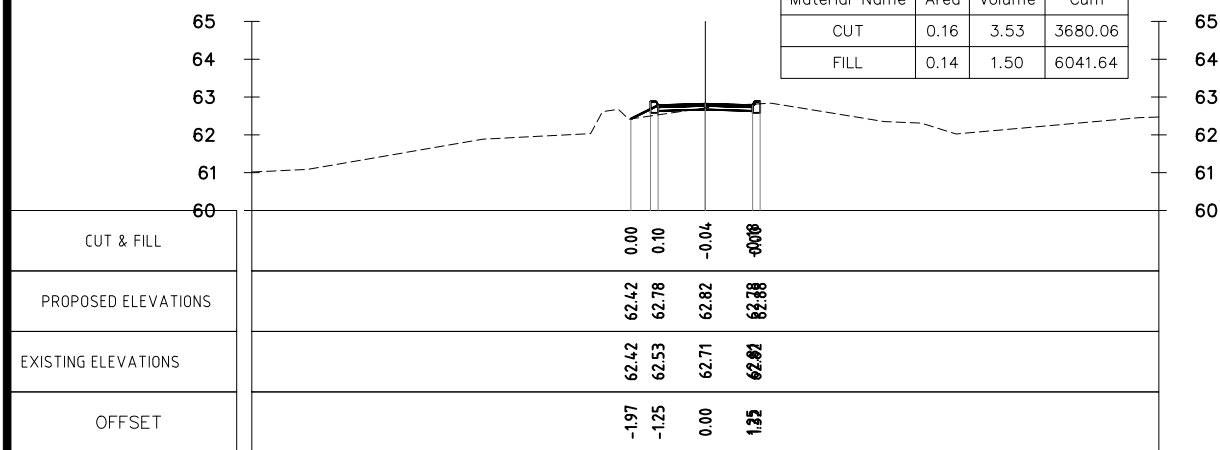
SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-248
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Material(s) at Station 5+560.00			
Material Name	Area	Volume	Cum
CUT	0.24	5.04	3689.38
FILL	0.01	1.48	6045.88

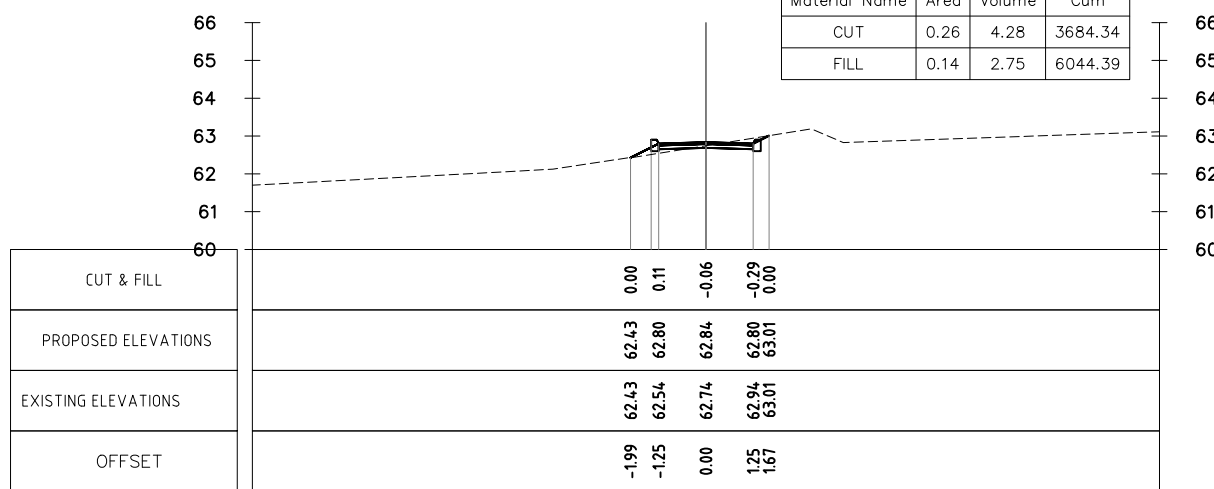
5+520.00  
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Material(s) at Station 5+520.00			
Material Name	Area	Volume	Cum
CUT	0.16	3.53	3680.06
FILL	0.14	1.50	6041.64



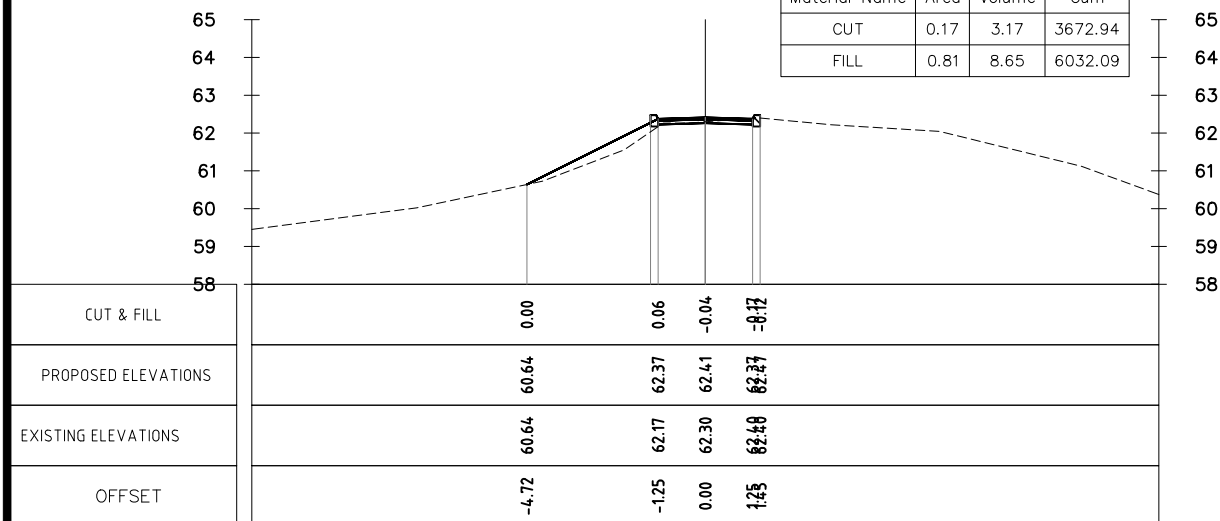
5+540.00  
CL

Material(s) at Station 5+540.00			
Material Name	Area	Volume	Cum
CUT	0.26	4.28	3684.34
FILL	0.14	2.75	6044.39



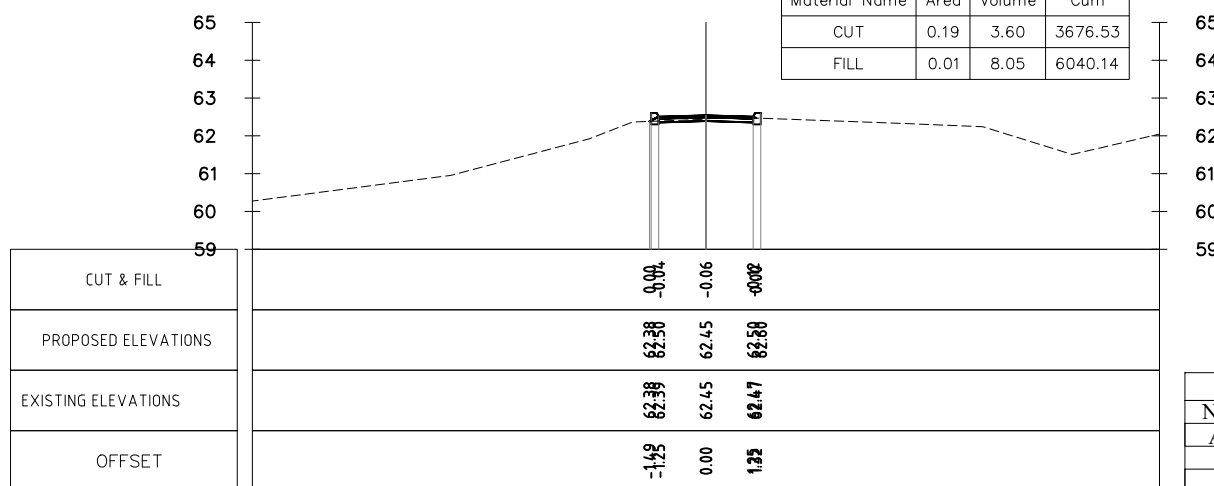
5+480.00  
CL

Material(s) at Station 5+480.00			
Material Name	Area	Volume	Cum
CUT	0.17	3.17	3672.94
FILL	0.81	8.65	6032.09



5+500.00  
CL

Material(s) at Station 5+500.00			
Material Name	Area	Volume	Cum
CUT	0.19	3.60	3676.53
FILL	0.01	8.05	6040.14



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

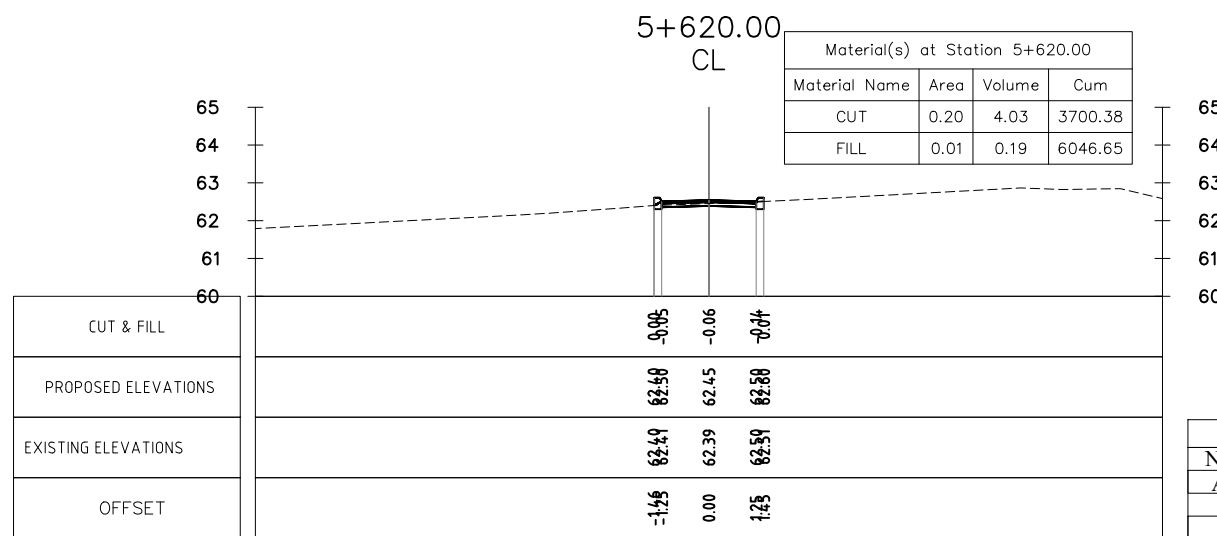
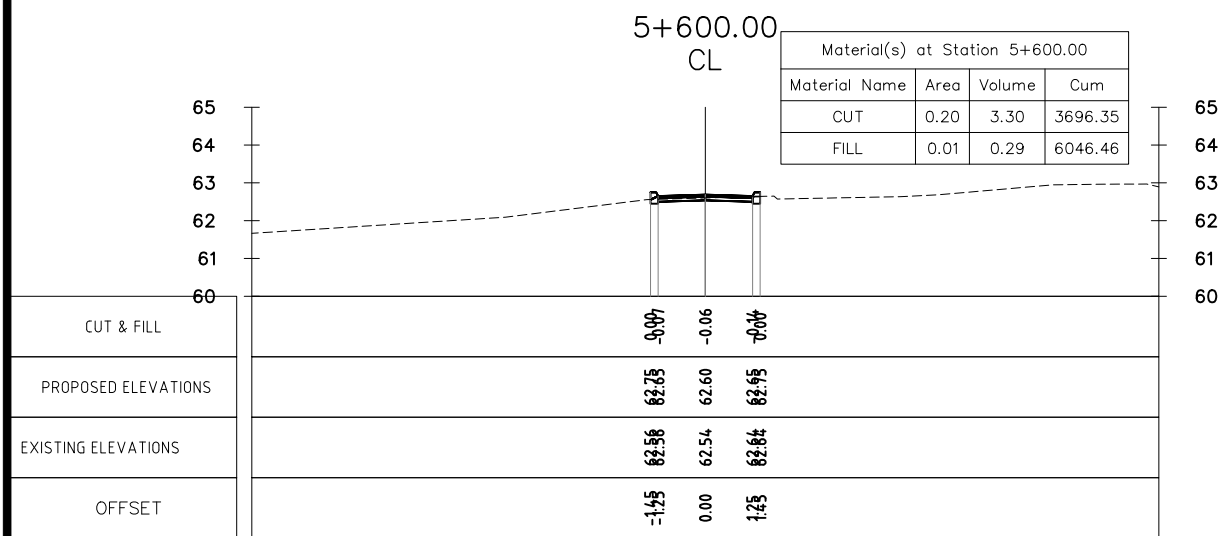
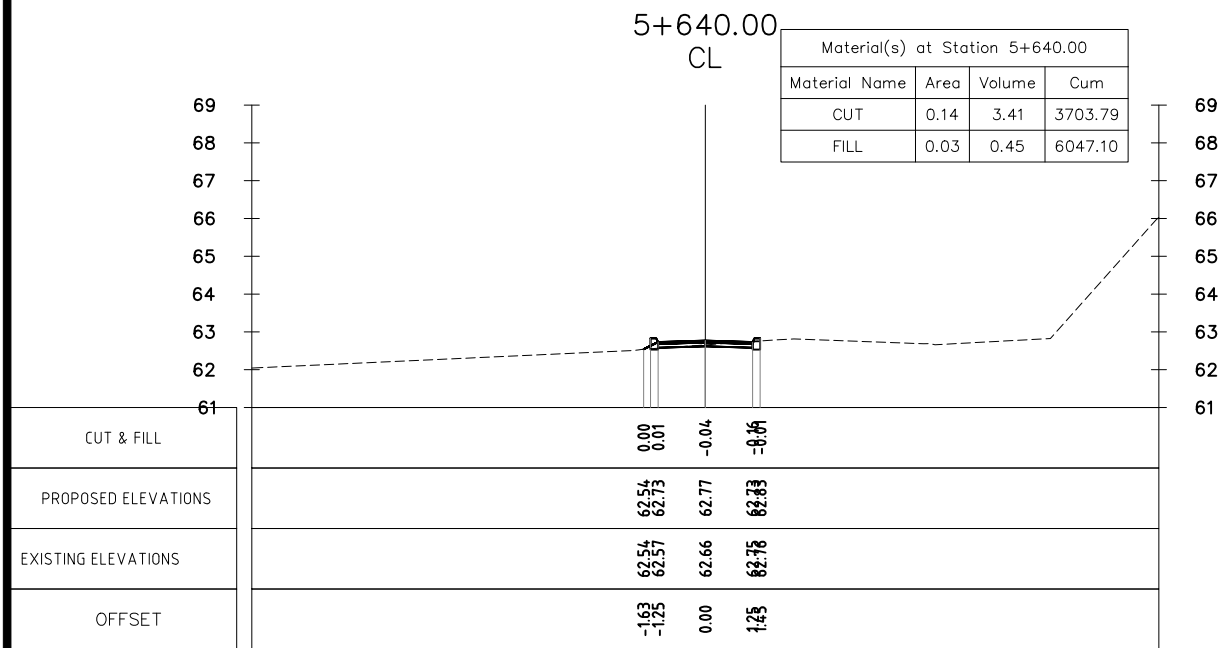
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 5+480-5+580			
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-249



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

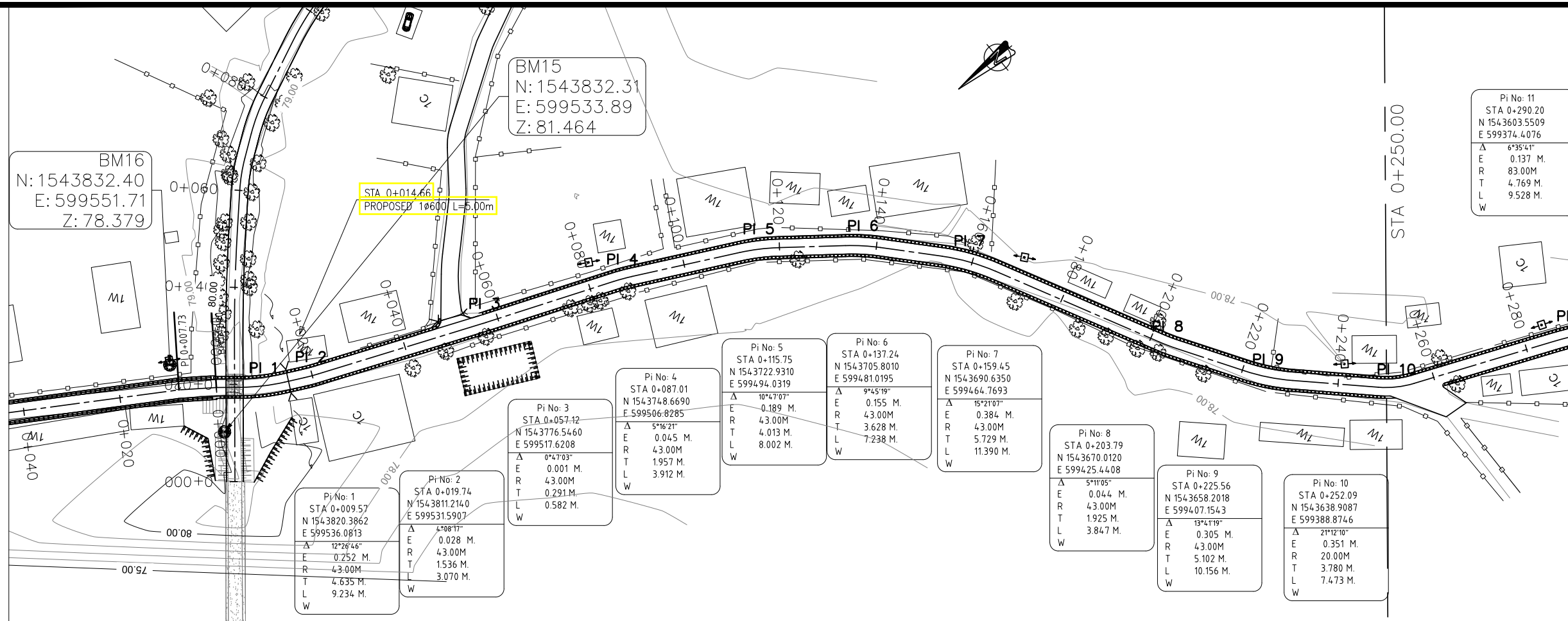


PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : WALKING AND CYCLING PATH A2(IRL05) CROSS - SECTION Sta:km 5+600-5+640

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-250
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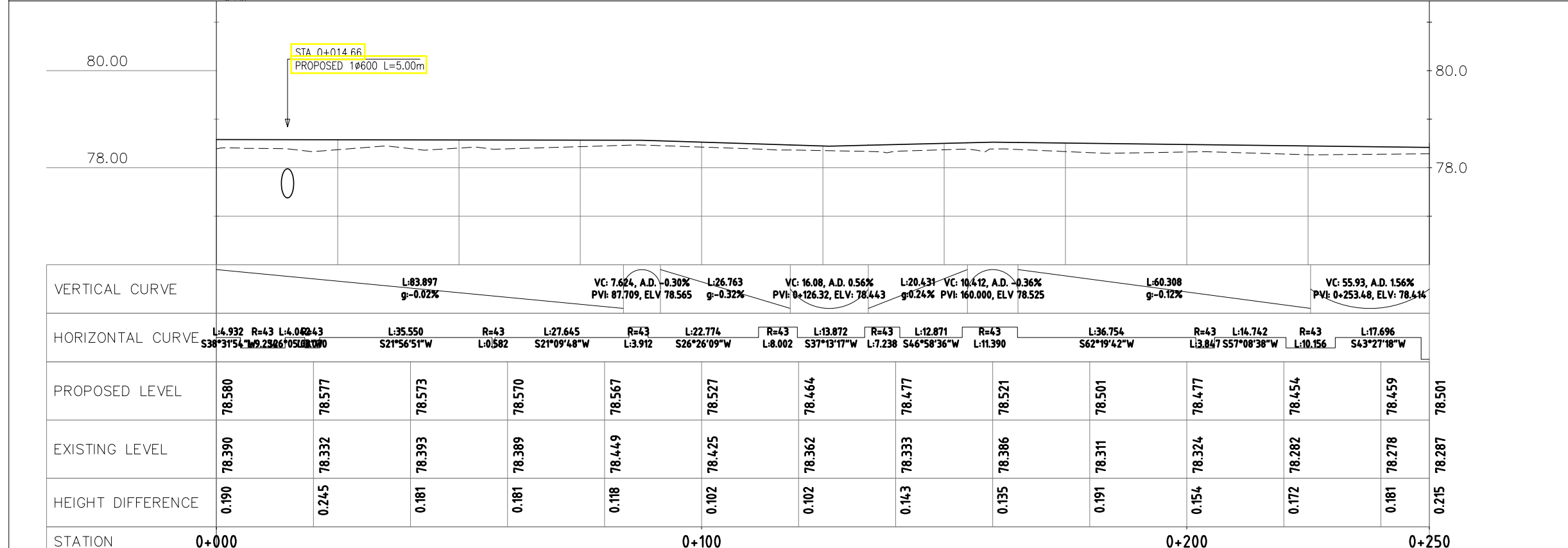
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

**CADTIS**

**CADTIS-Consultant**

**LAO-Asian Engineering Consultants Sole CO.,LTD**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(1RL-06) PLAN AND PROFILE Sta:km 0+000-0+250

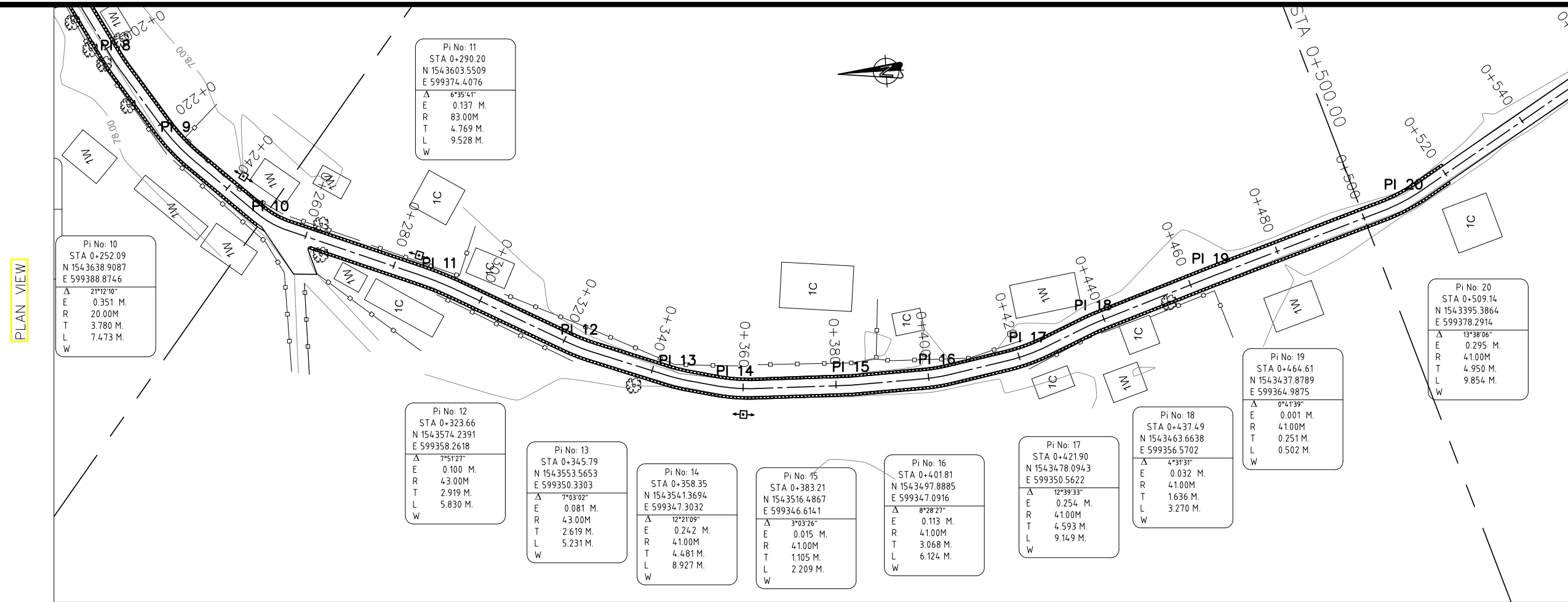
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 V1/100

DATE: \_\_\_\_\_

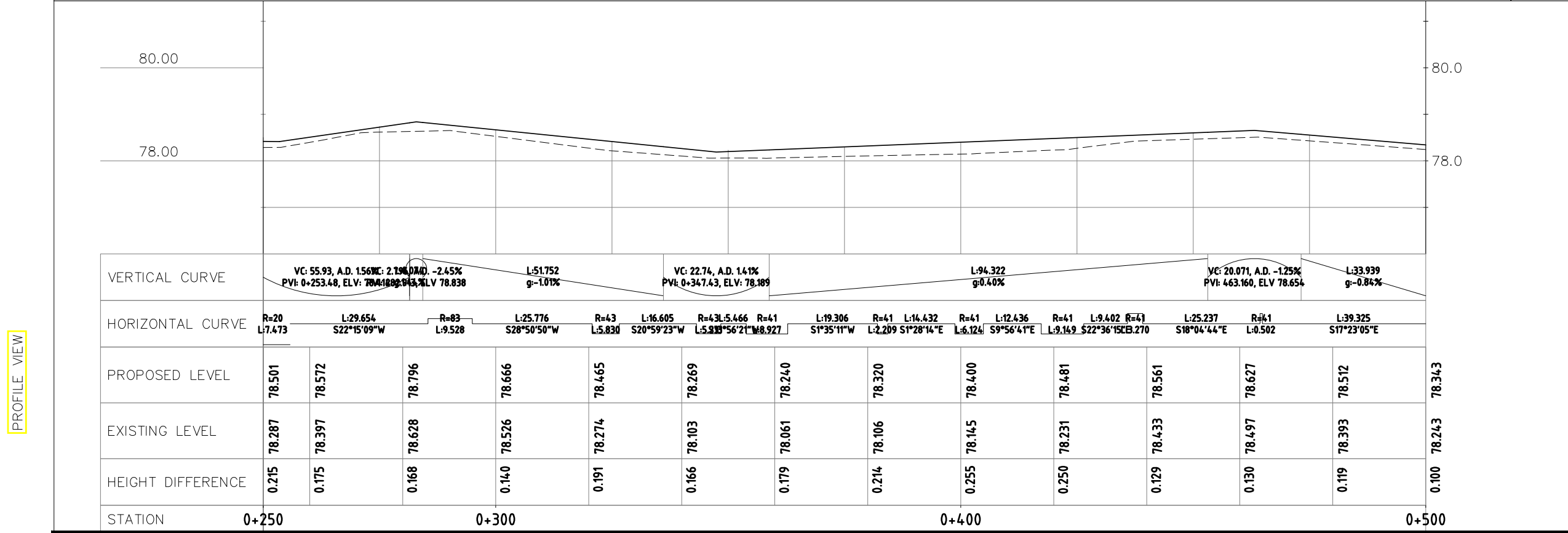
DRAWING No.: \_\_\_\_\_

LAO - NKS

C-251



- LEGEND:**
- NORTH DIRECTION
  - CONCRETE BENCH MARK
  - ELECTRIC POLE
  - PROPOSED FINISHED ROAD
  - EXISTING ROAD
  - LIGHT FOREST
  - DENSE FOREST
  - RICE FIELD
  - WOOD HOUSE (ONE STOREY)
  - CONCRETE-WOOD HOUSE (TWO STOREY)
  - CONCRETE HOUSE (TWO STOREY)
  - CONCRETE HOUSE (ONE STOREY)
  - PIPE CULVERT
  - BOX CULVERT
  - FENCE



**REVISION:**

No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(TRL-06) PLAN AND PROFILE Sta:km 0+250-0+500

SCALE IN A3: H1/1000  
 V1/100

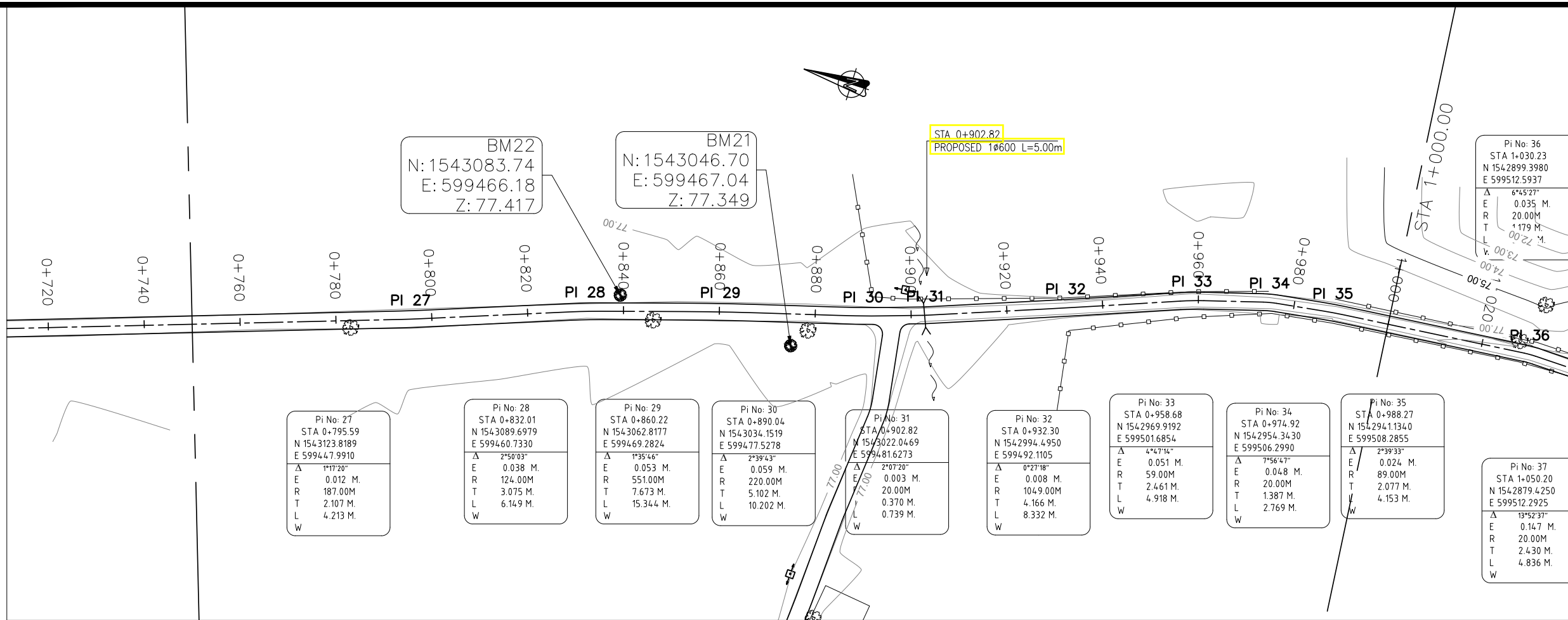
DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

C-252



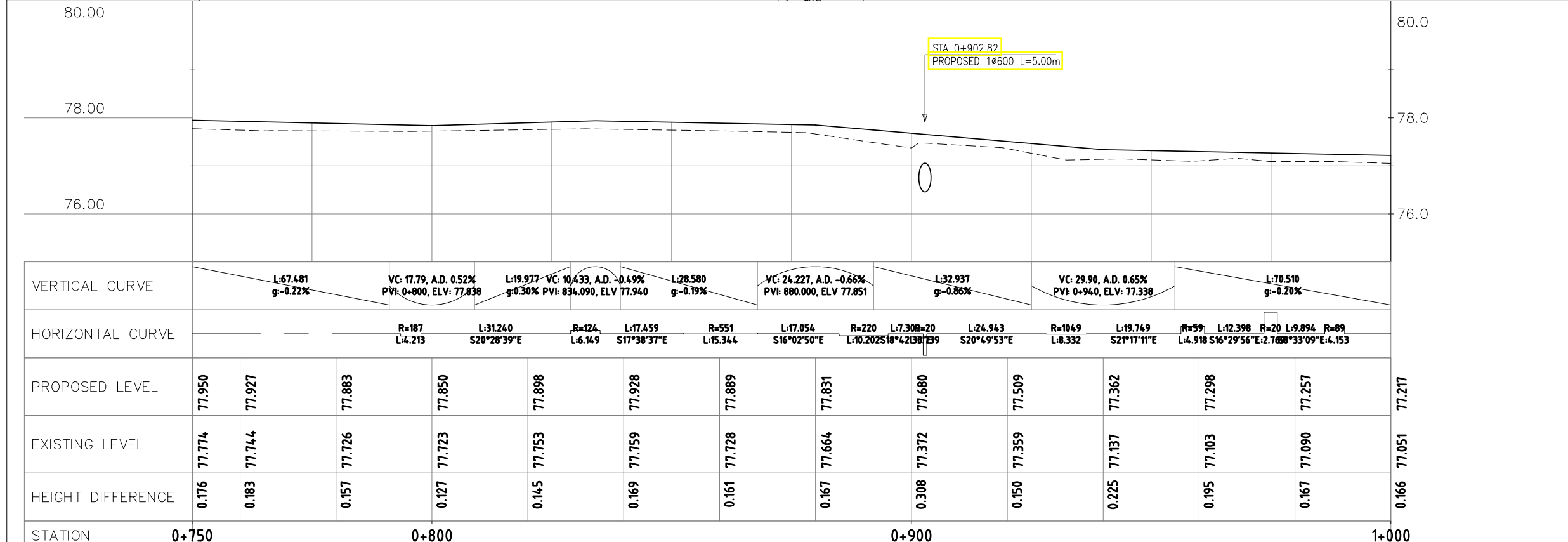
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



VERTICAL CURVE	L:67.481 g=-0.22%		VC: 17.79, A.D. 0.52% PVI: 0+800, ELV: 77.838		L:19.977 VC: 10.433, A.D. -0.49% g:0.30% PVI: 834.090, ELV 77.940		L:28.580 g=-0.19%		VC: 24.227, A.D. -0.66% PVI: 880.000, ELV 77.851		L:32.937 g=-0.86%		VC: 29.90, A.D. 0.65% PVI: 0+940, ELV: 77.338		L:70.510 g=-0.20%											
HORIZONTAL CURVE	R=187 L:4.213		L:31.240 S20°28'39"E		R=124 L:6.149		L:17.459 S17°38'37"E		R=551 L:15.344		L:17.054 S16°02'50"E		R=220 L:7.308=20 L:10.202 S18°42'13"E		L:24.943 S20°49'53"E		R=1049 L:8.332		L:19.749 S21°17'11"E		R=59 L:12.398 L:4.918 S16°29'56"E		R=20 L:9.894 R=89 L:2.768 S33°09'E		L:4.153	
PROPOSED LEVEL	77.950	77.927	77.883	77.850	77.898	77.928	77.889	77.831	77.680	77.509	77.362	77.298	77.257	77.217												
EXISTING LEVEL	77.774	77.744	77.726	77.723	77.753	77.759	77.728	77.664	77.372	77.359	77.137	77.103	77.090	77.051												
HEIGHT DIFFERENCE	0.176	0.183	0.157	0.127	0.145	0.169	0.161	0.167	0.308	0.150	0.225	0.195	0.167	0.166												
STATION	0+750			0+800			0+900			1+000																

REVISION:		
No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

**CADTIS**

**CADTIS-Consultant**

**LAO-Asean Engineering Consultants Sole CO.,LTD.**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(1RL-06) PLAN AND PROFILE Sta:km 0+750-1+000

SCALE IN A3: H1/1000  
 V1/100

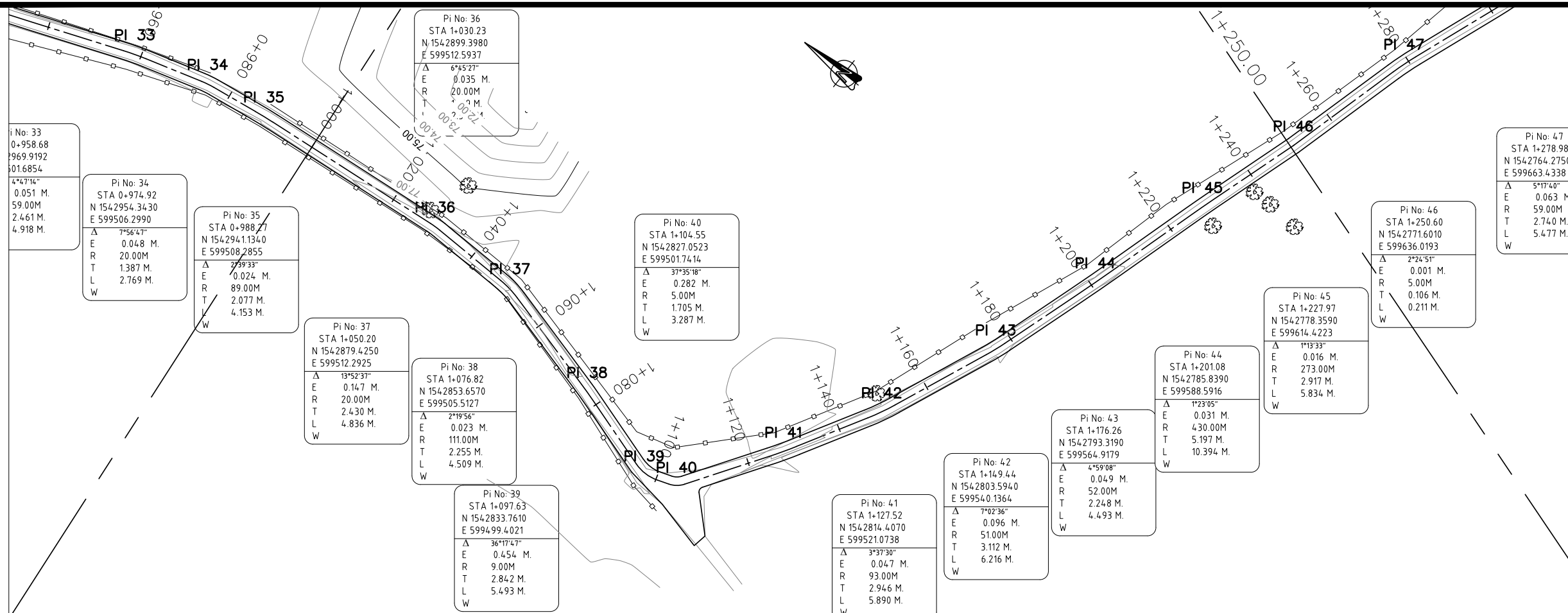
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DRAWING No.: \_\_\_\_\_

LAO - NKS

C-254

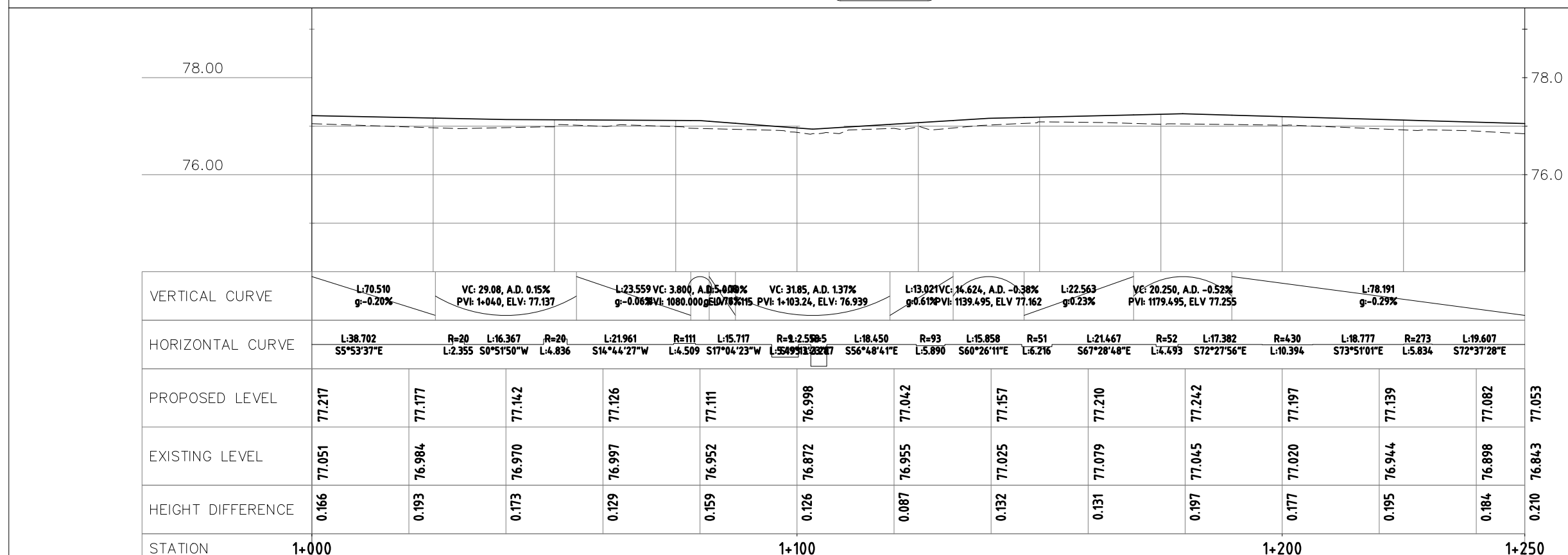
PLAN VIEW



**LEGEND:**

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



**REVISION:**

No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

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PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(1RL-06) PLAN AND PROFILE Sta:km 1+000-1+250

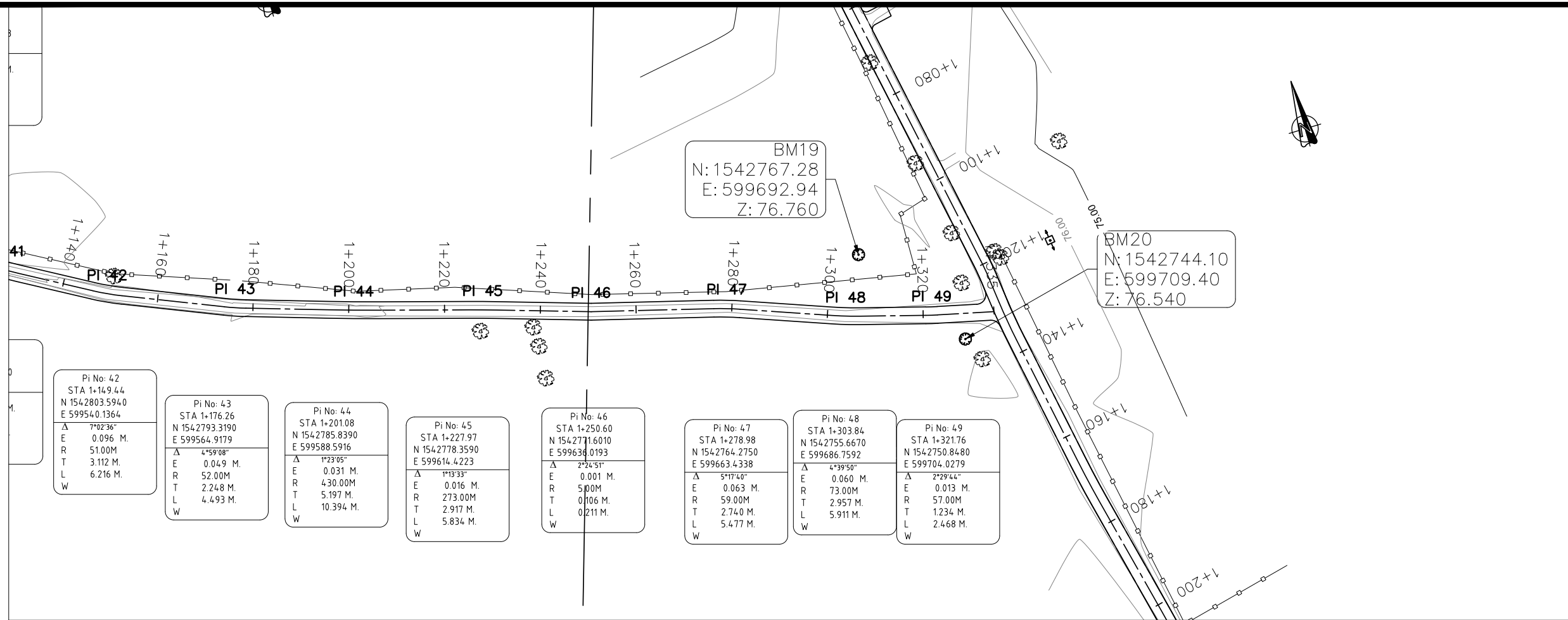
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 V1/100

DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

C-255

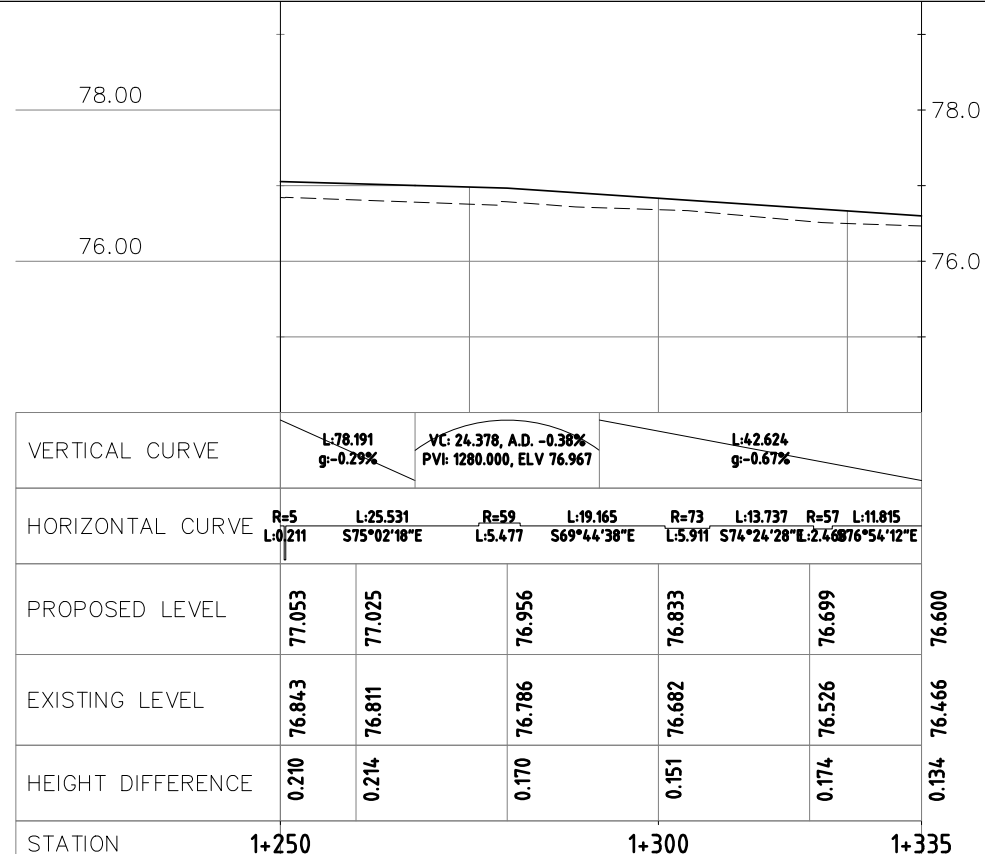
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:

No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_  
  
 TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR  
  
 LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

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**LAO-Asean Engineering Consultants Sole CO.,LTD.**

PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(IRL-06) PLAN AND PROFILE Sta:km 1+250-1+335

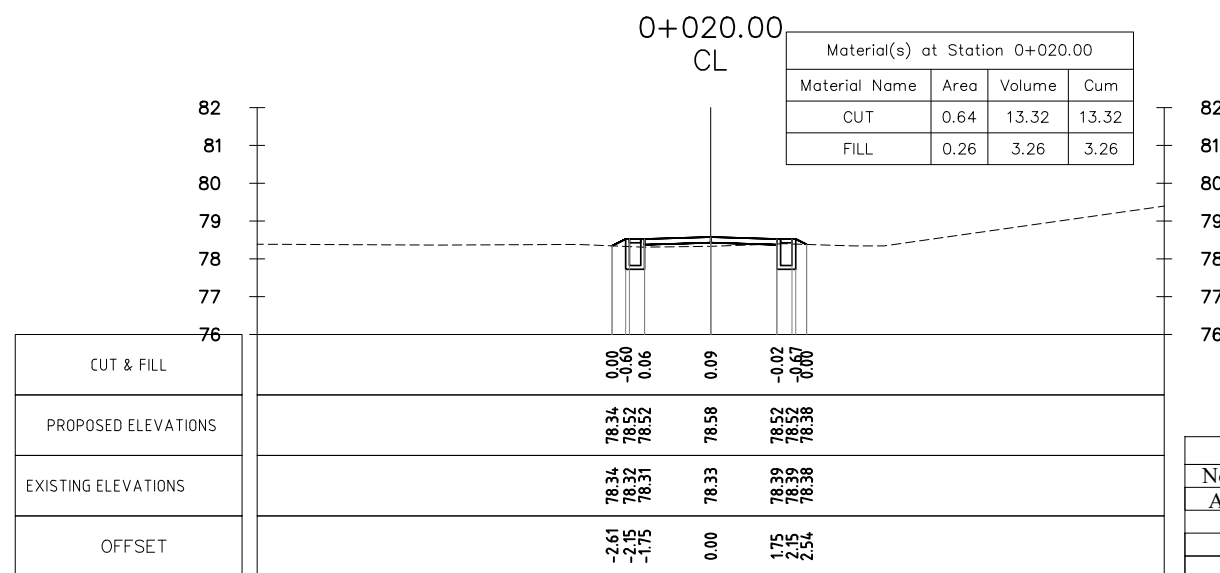
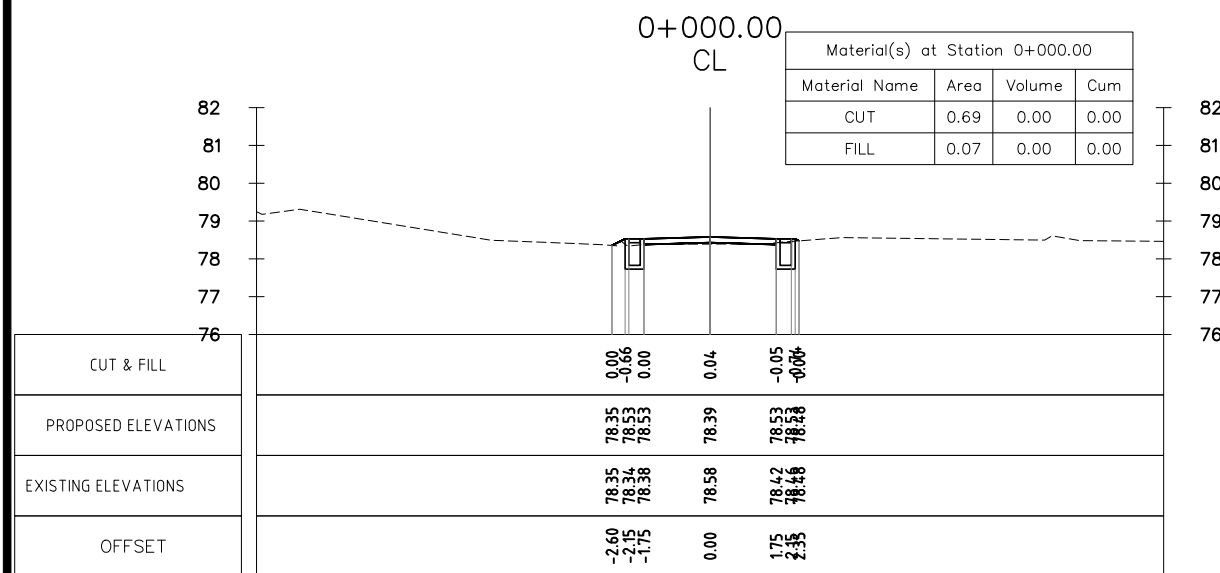
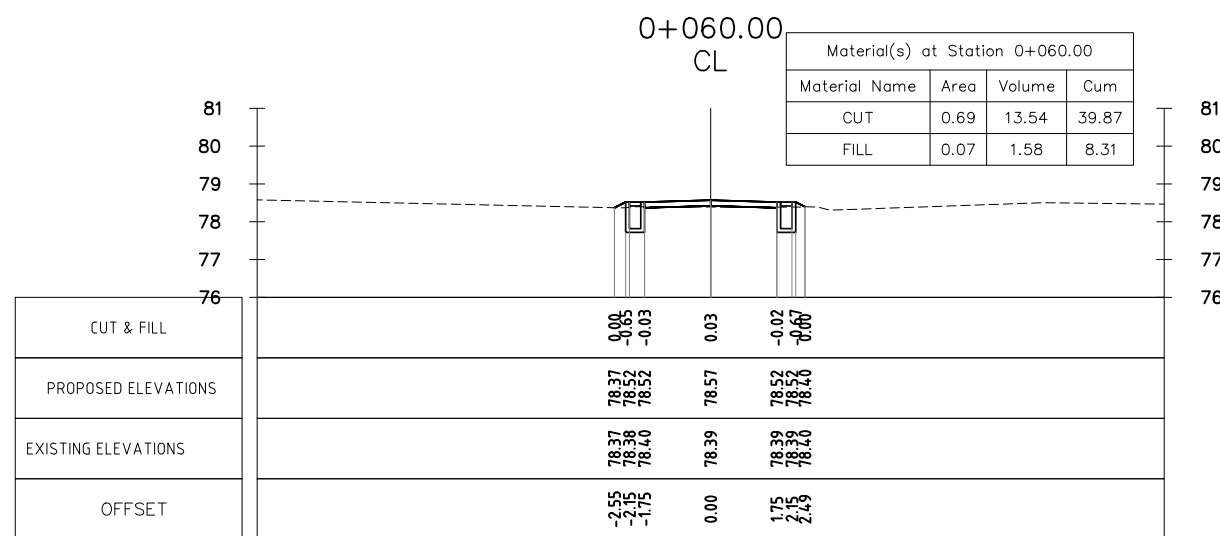
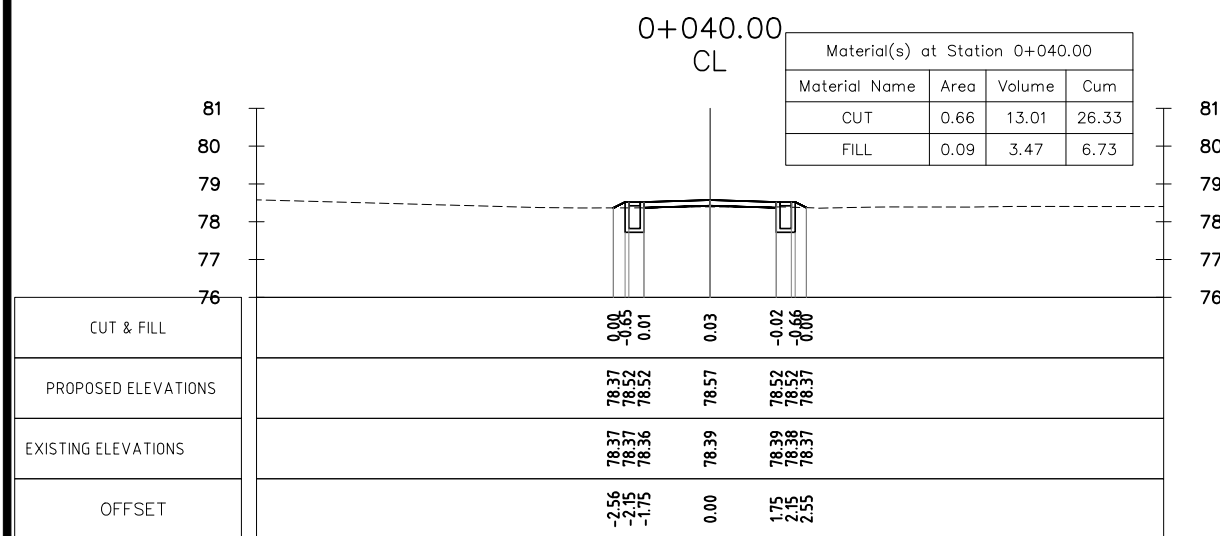
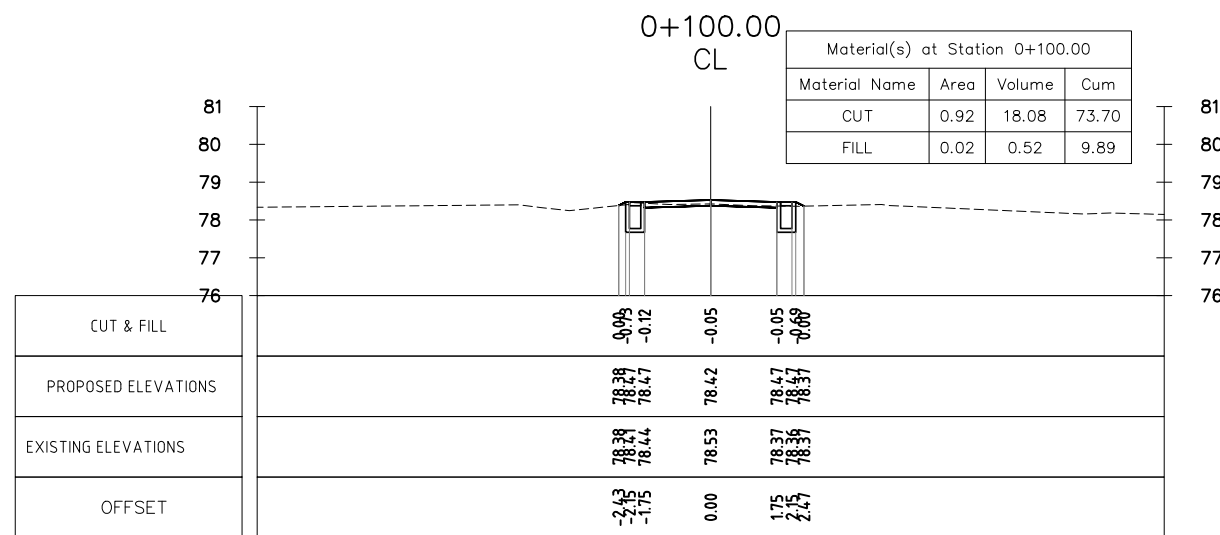
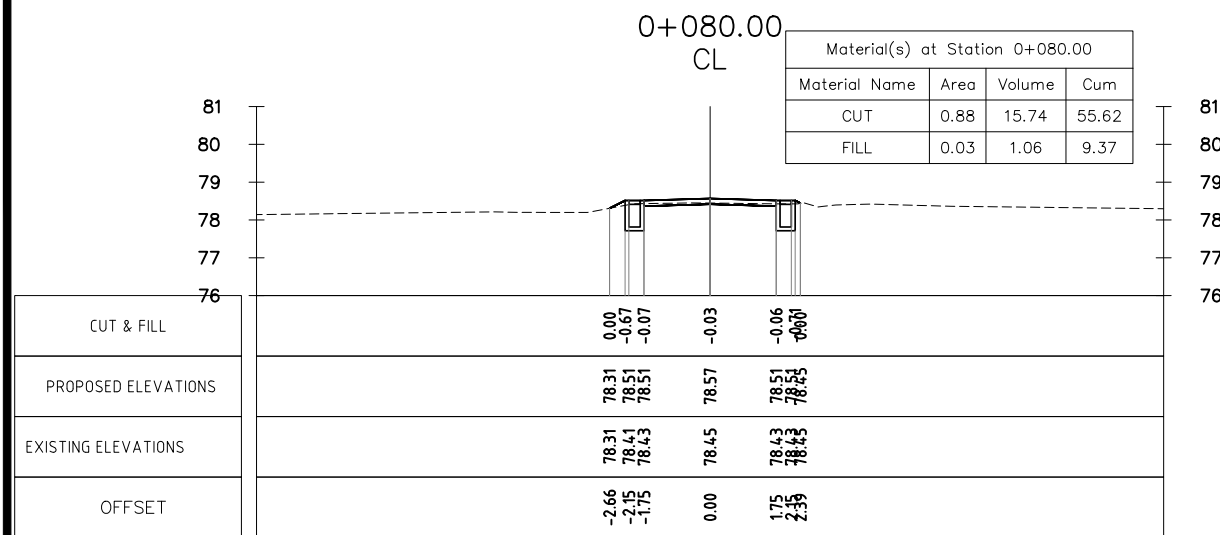
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 V1/100

DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

C-256





REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

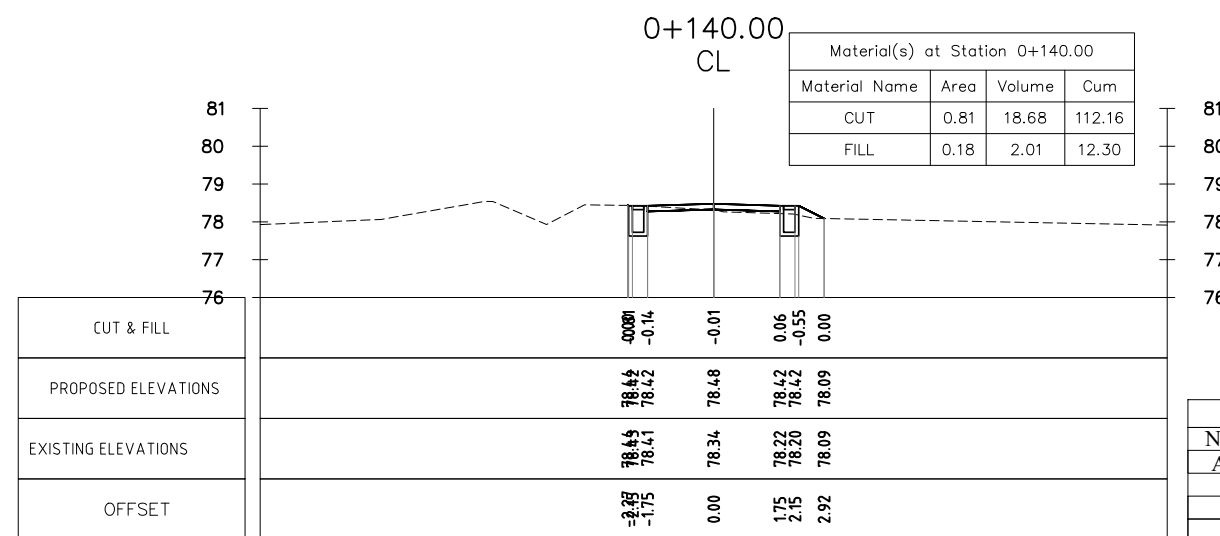
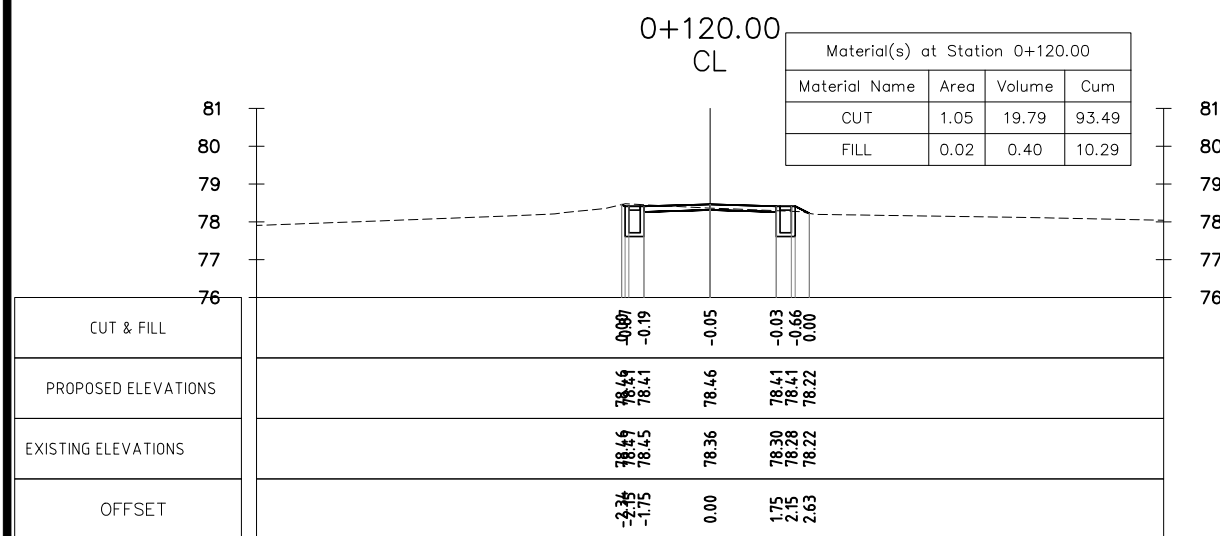
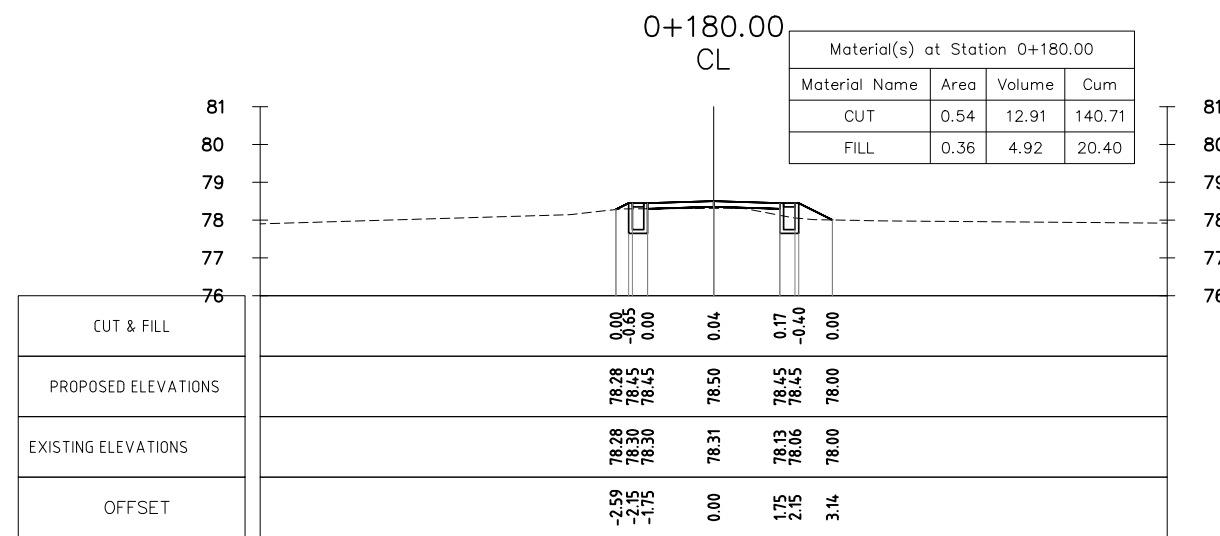
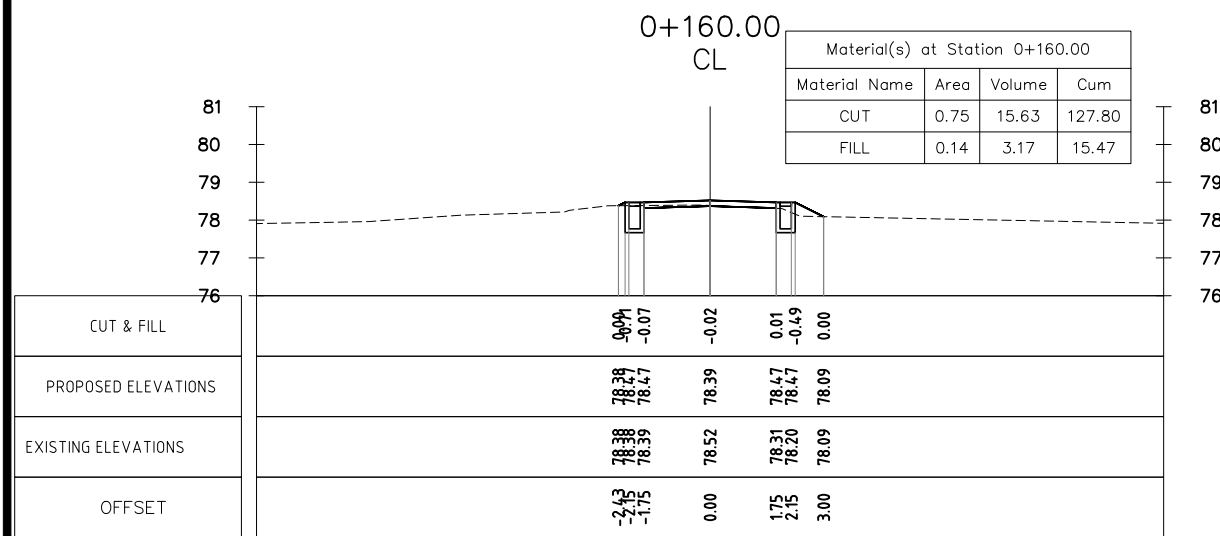
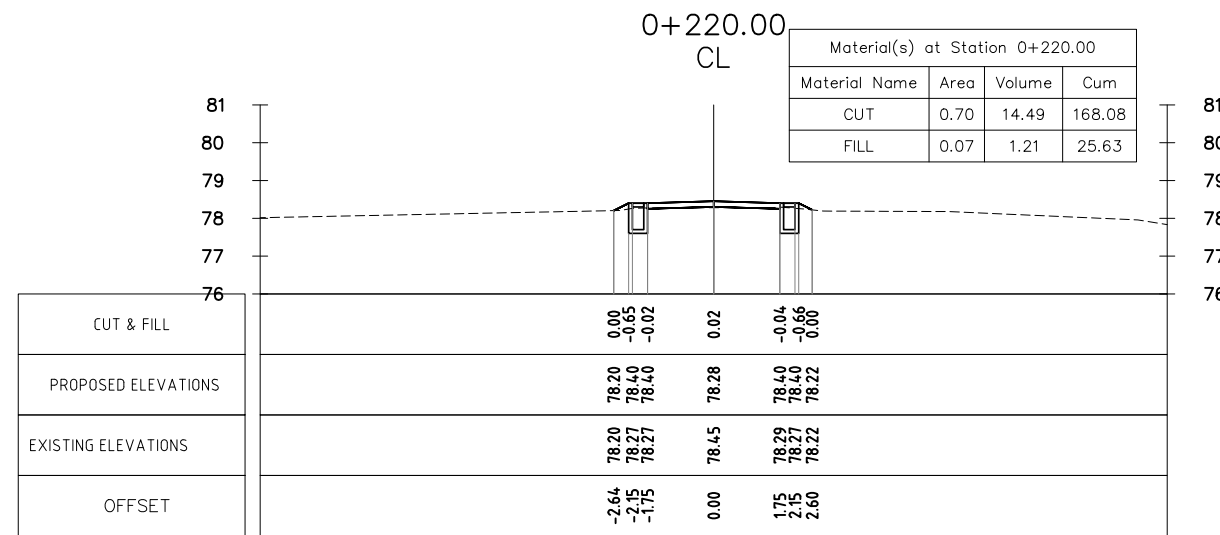
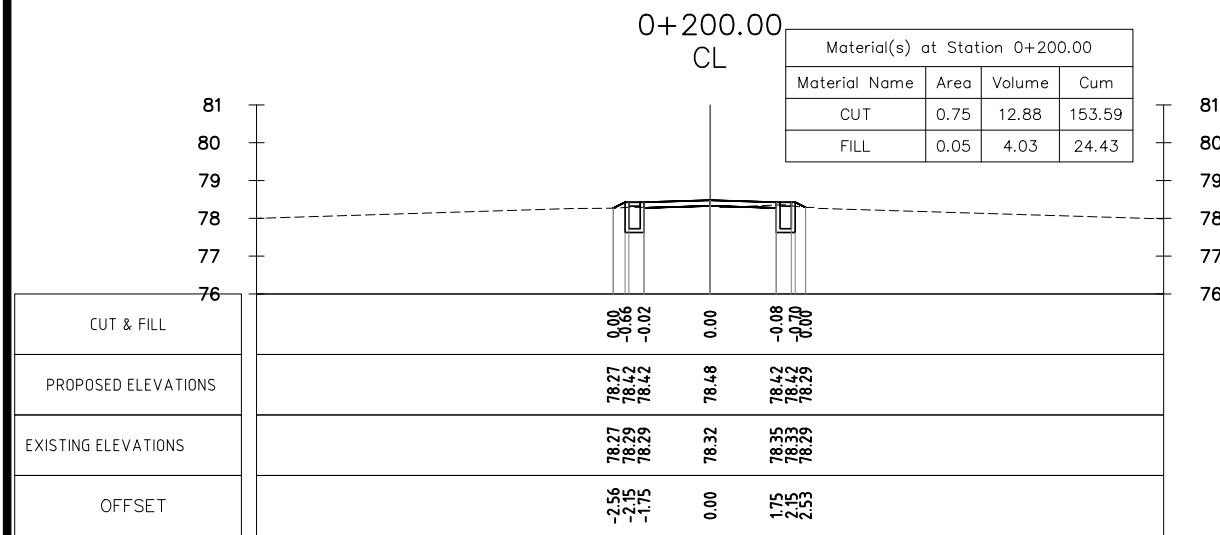
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 0+000-0+100

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-257
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

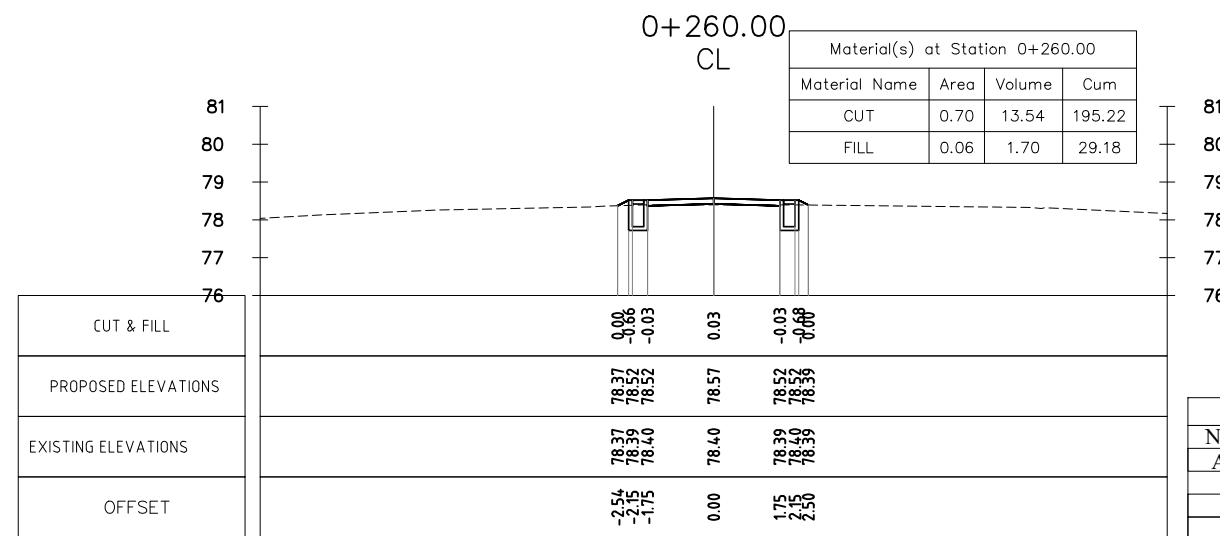
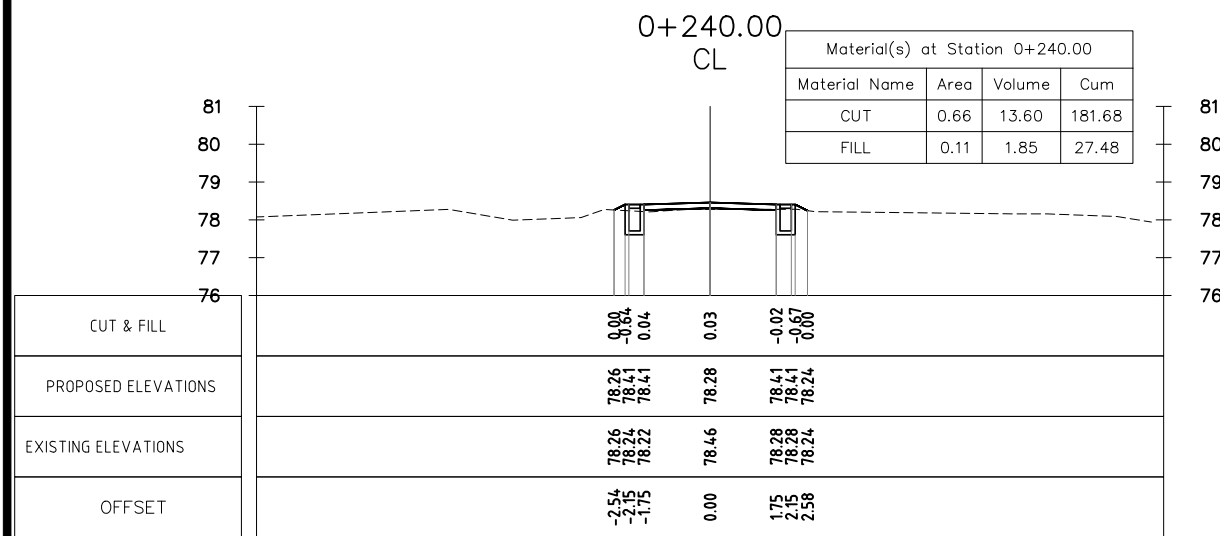
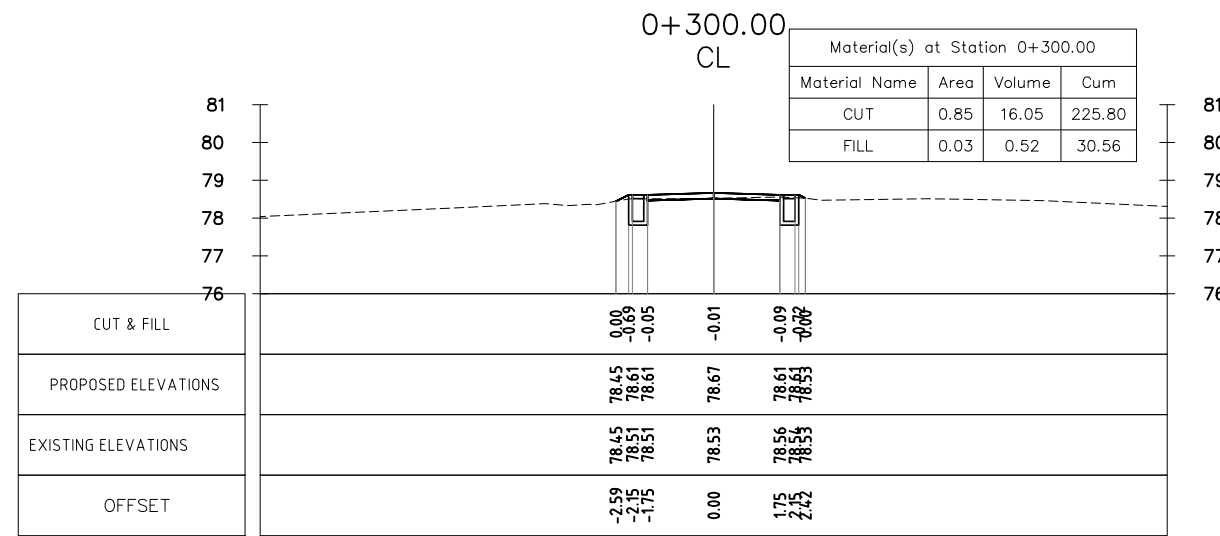
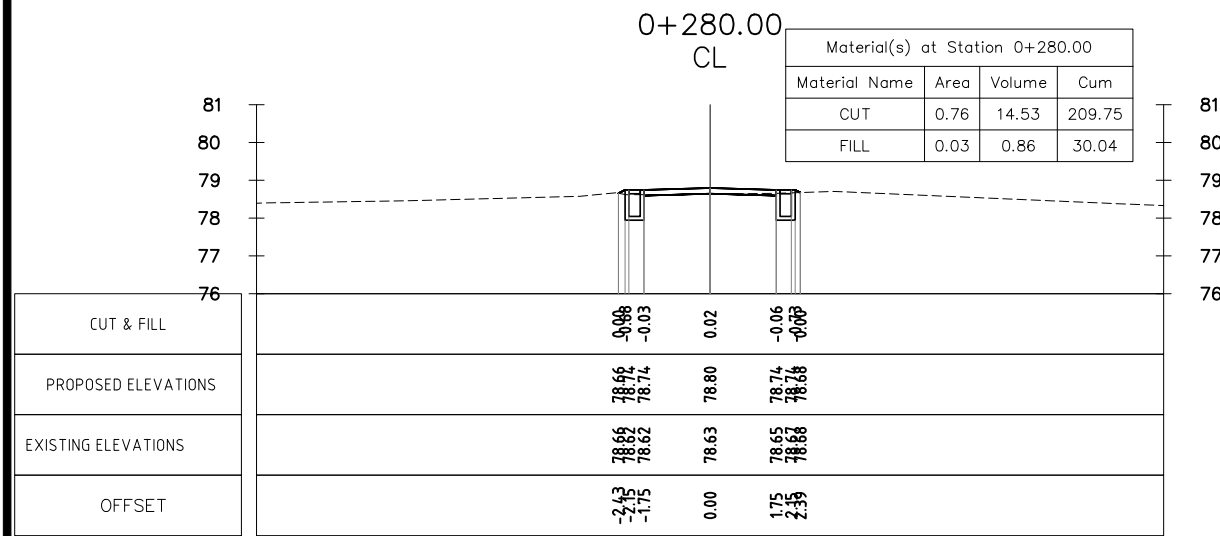
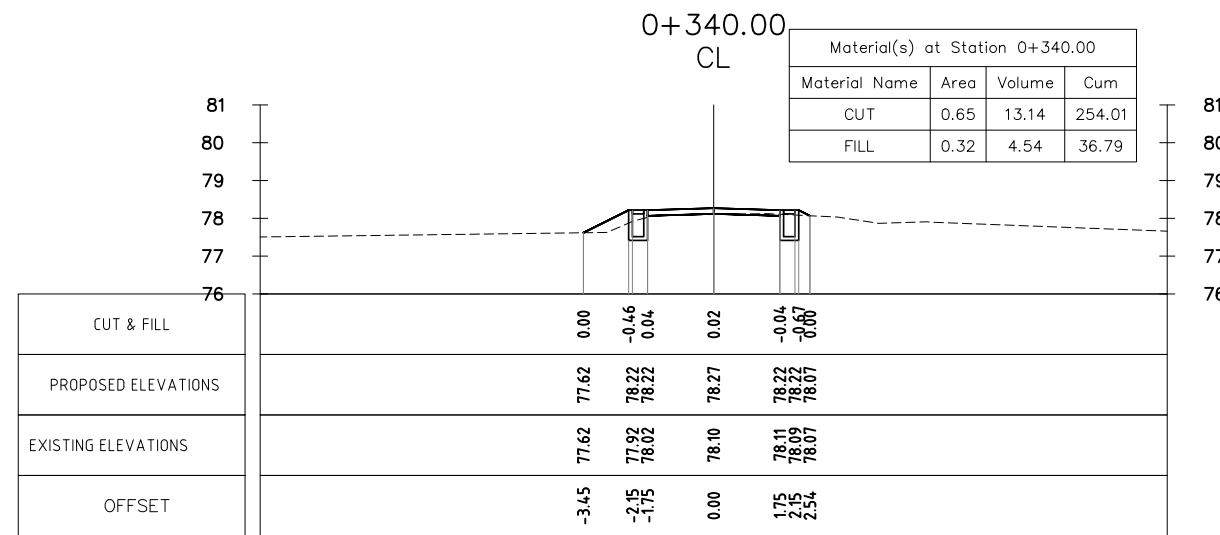
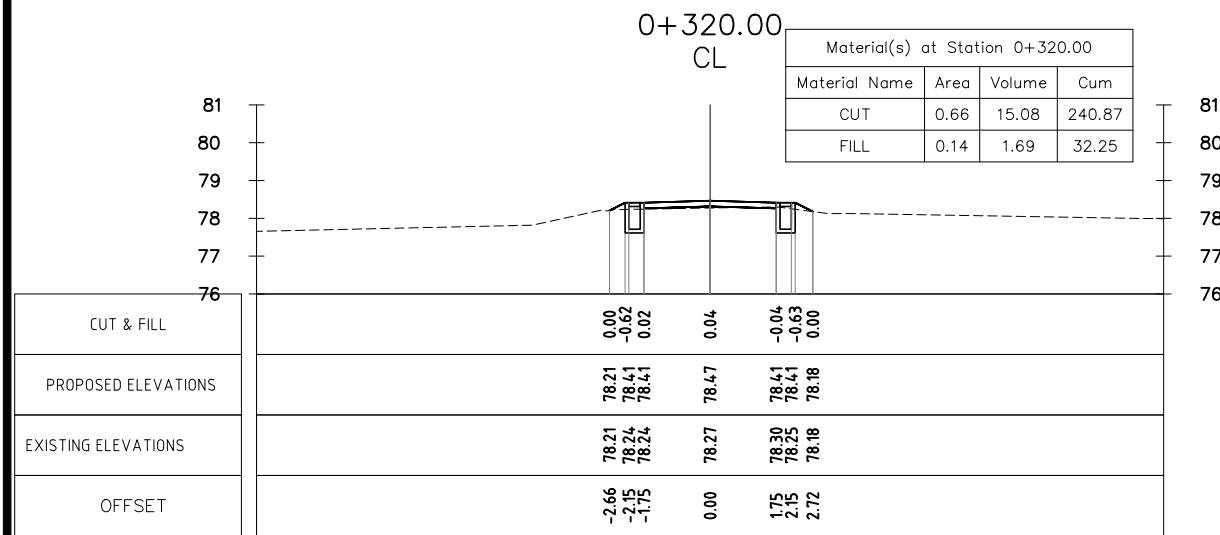
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 0+120-0+220

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-258
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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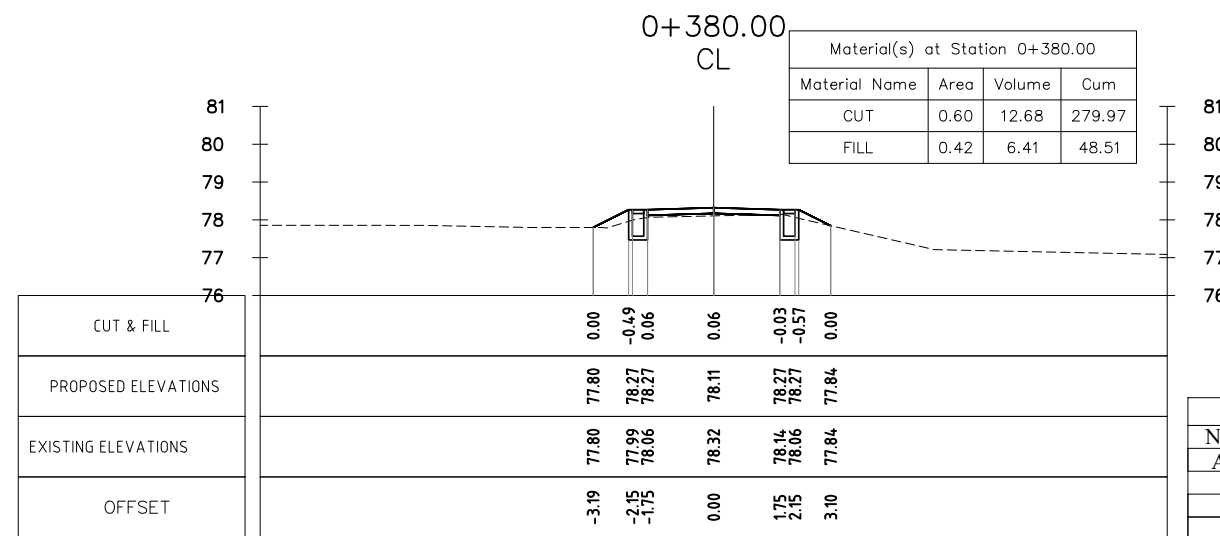
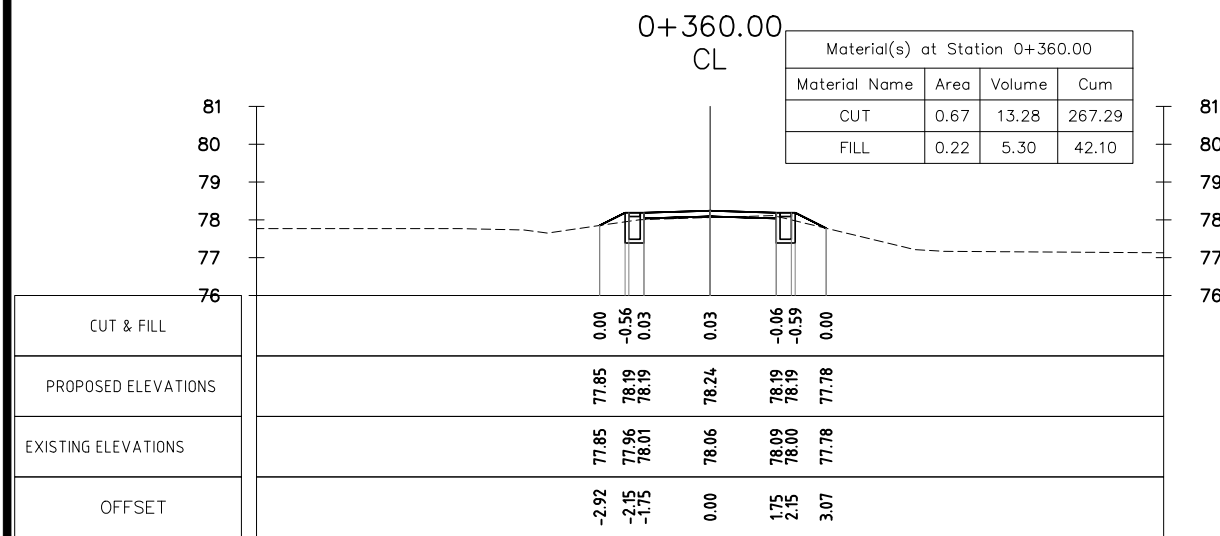
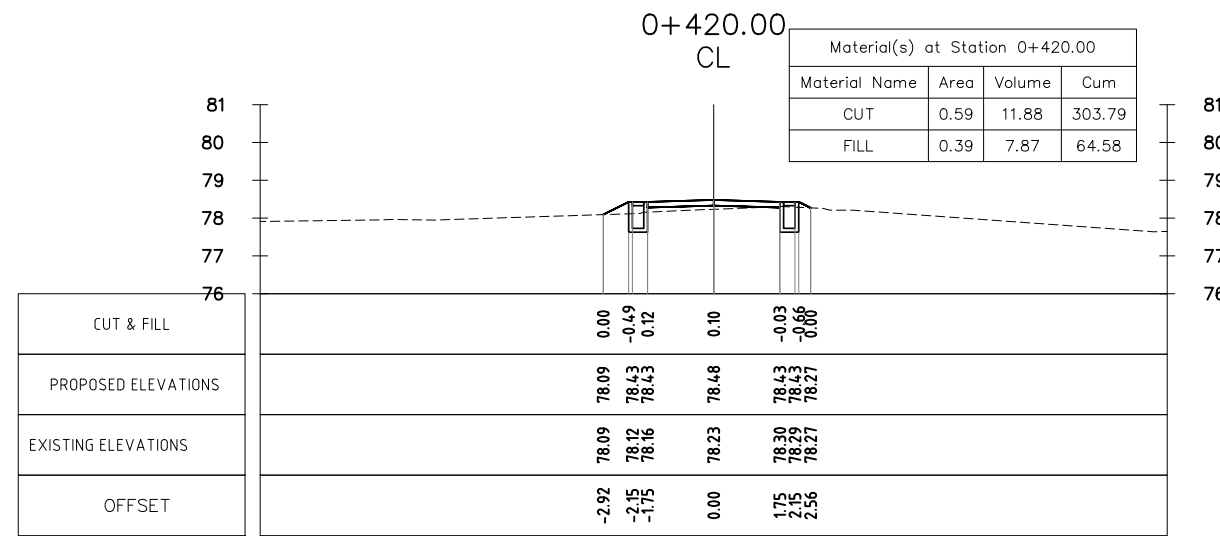
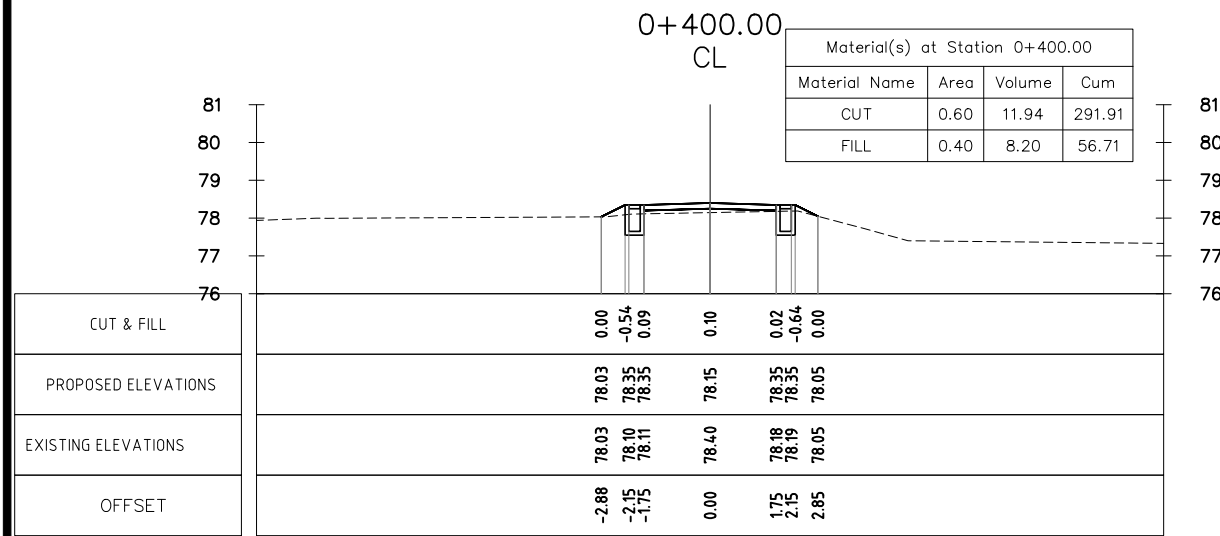
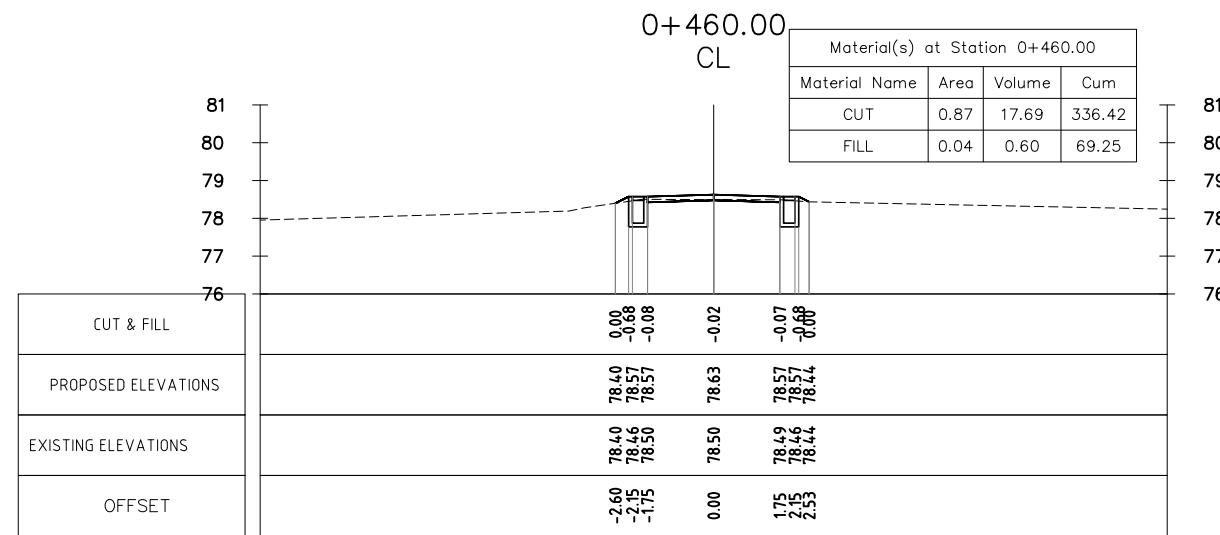
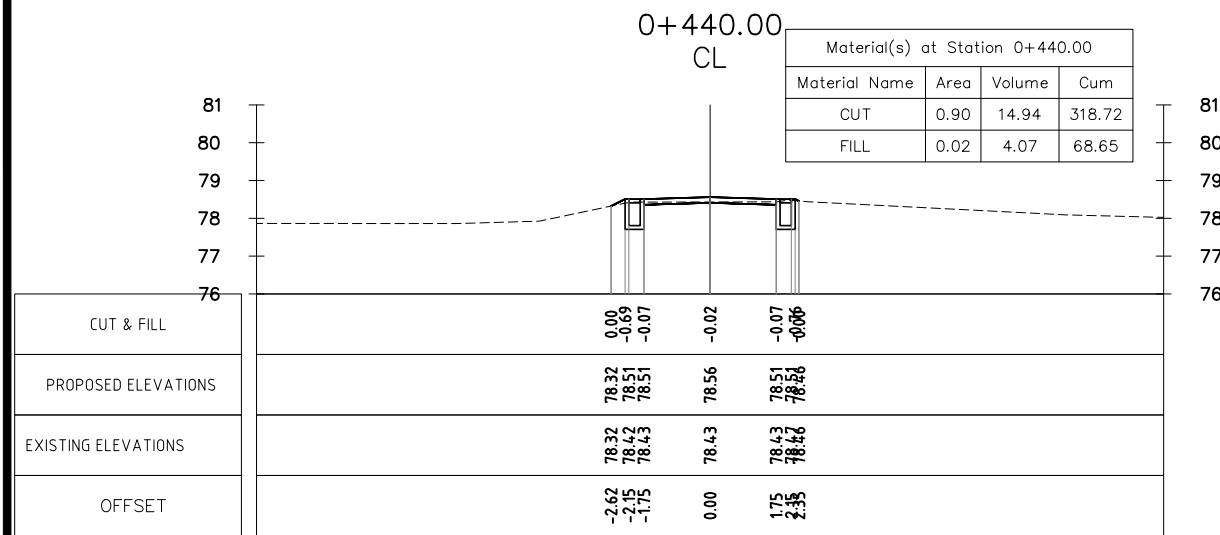
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 0+240-0+340

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-259
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



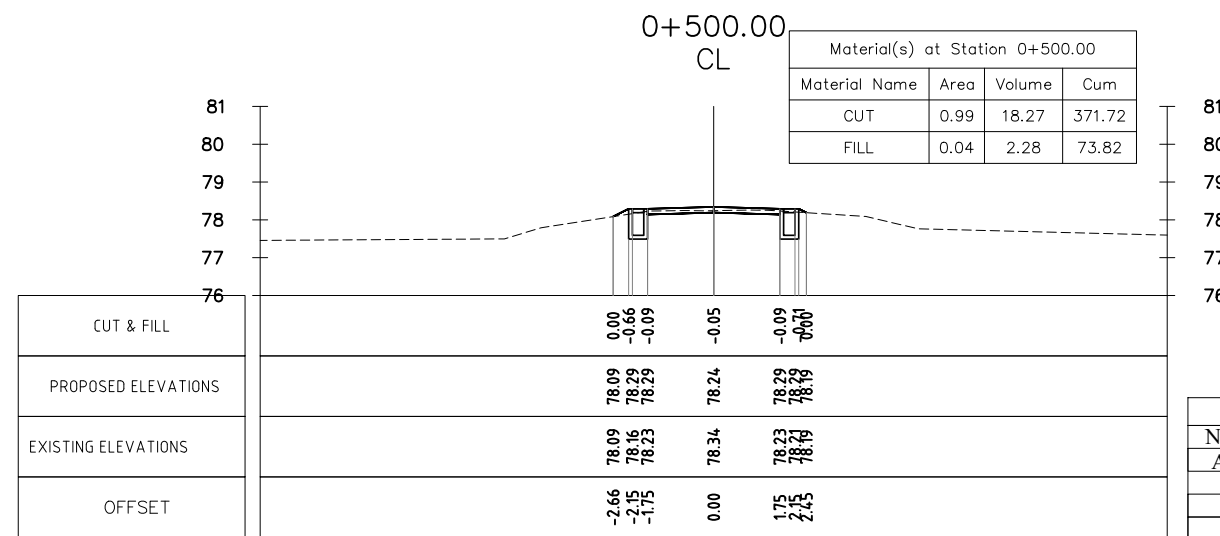
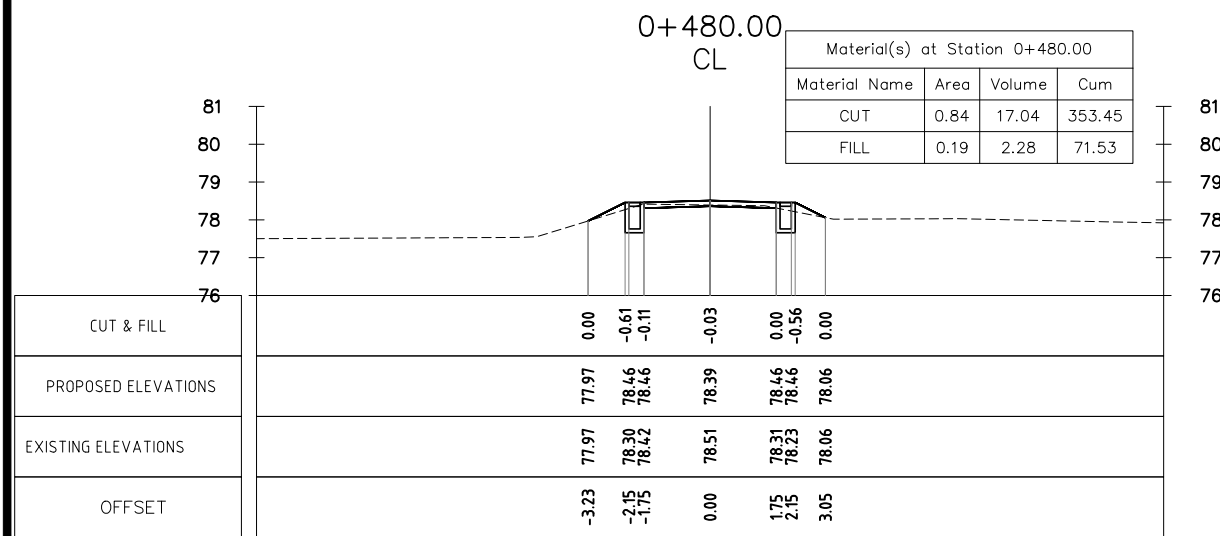
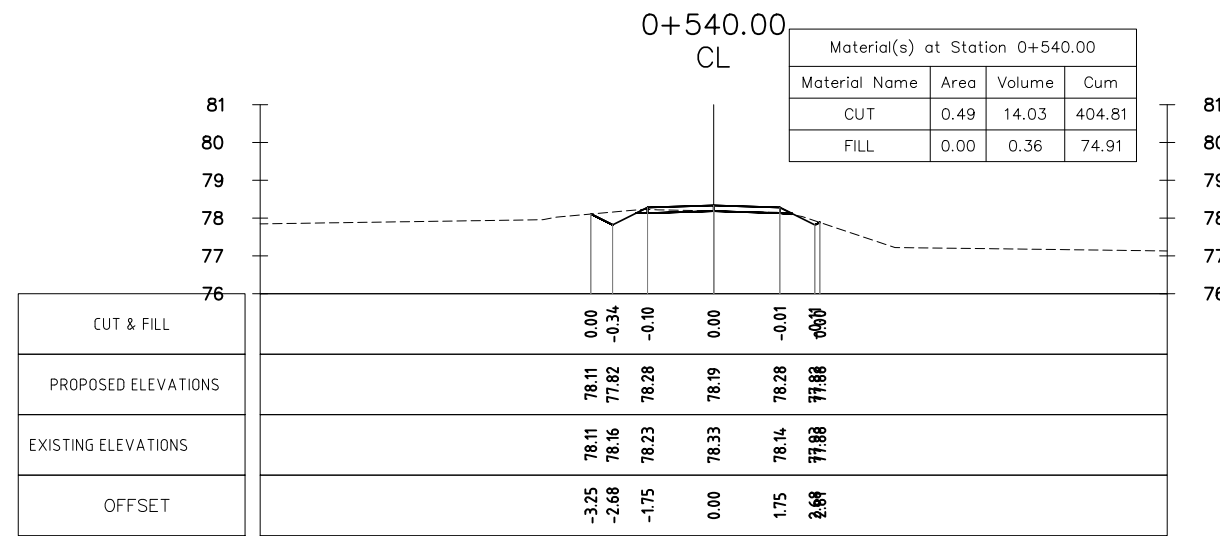
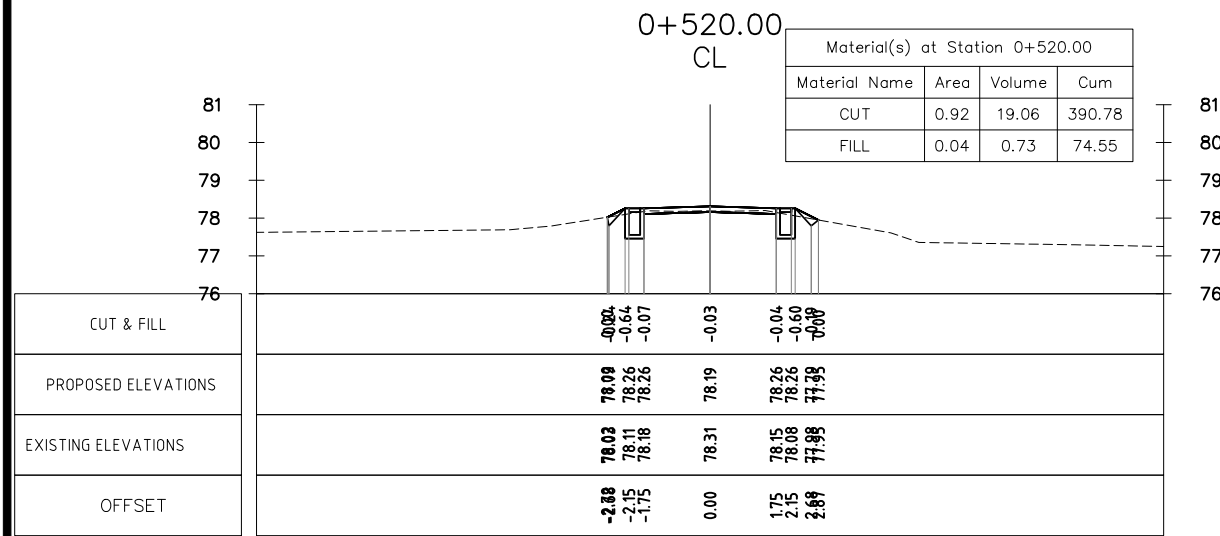
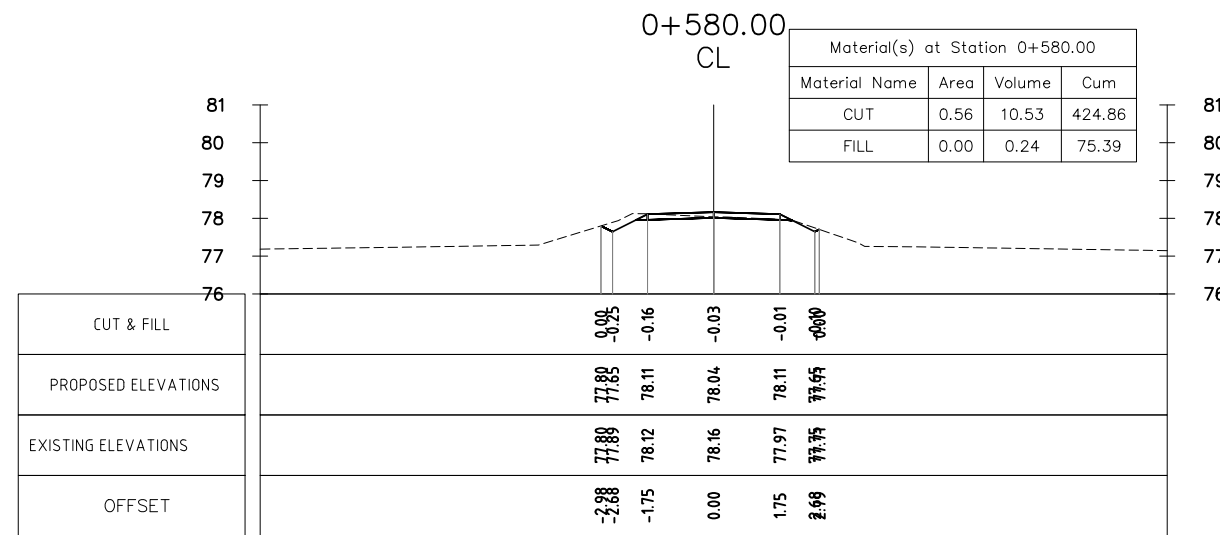
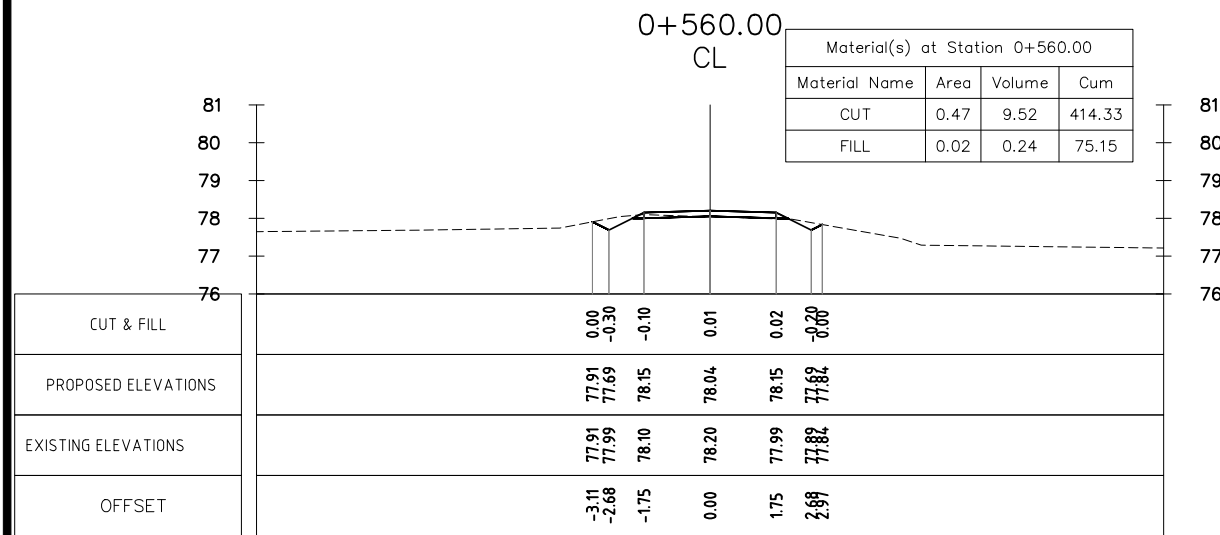
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 0+360-0+460

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-260
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

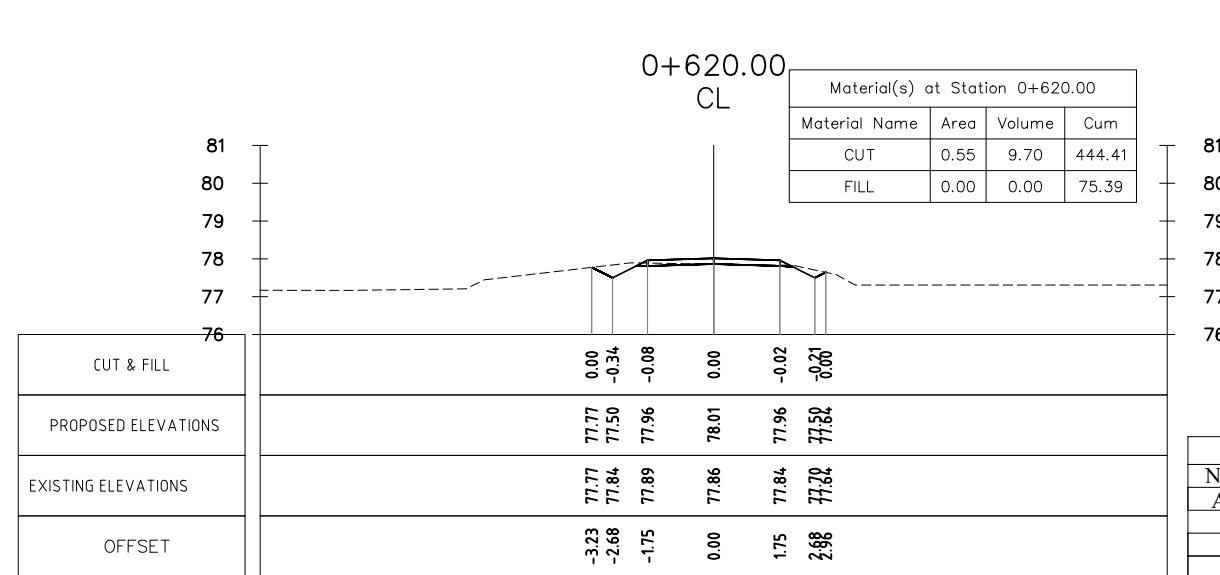
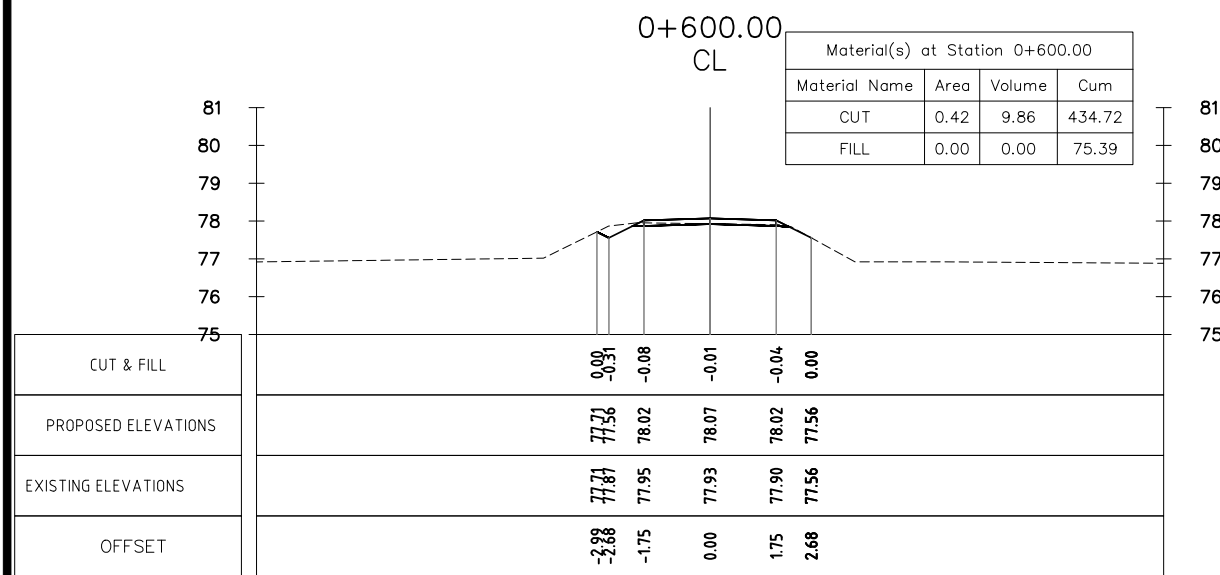
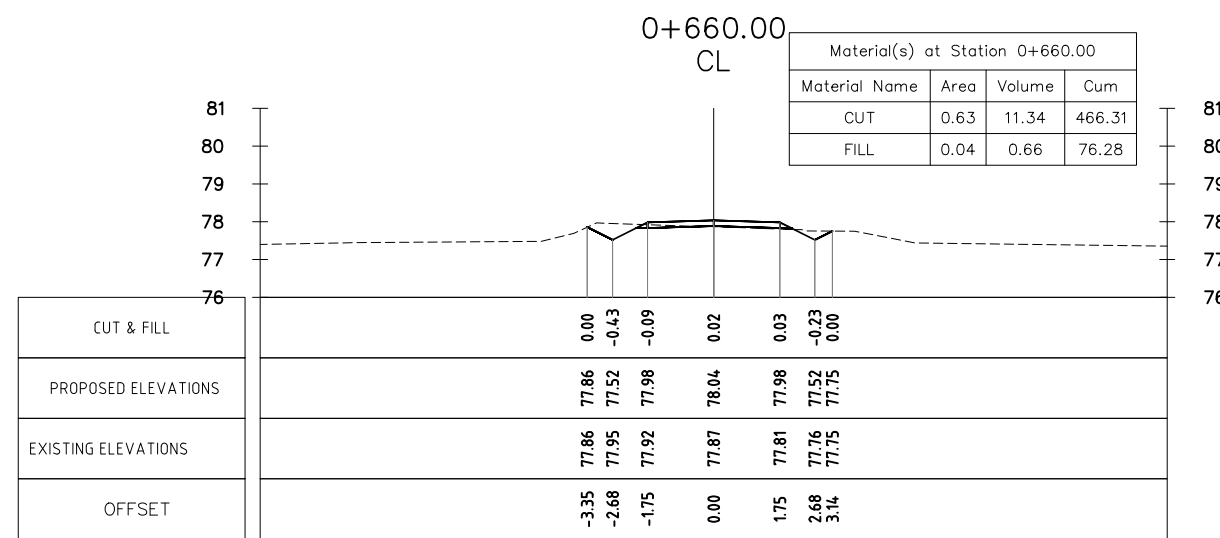
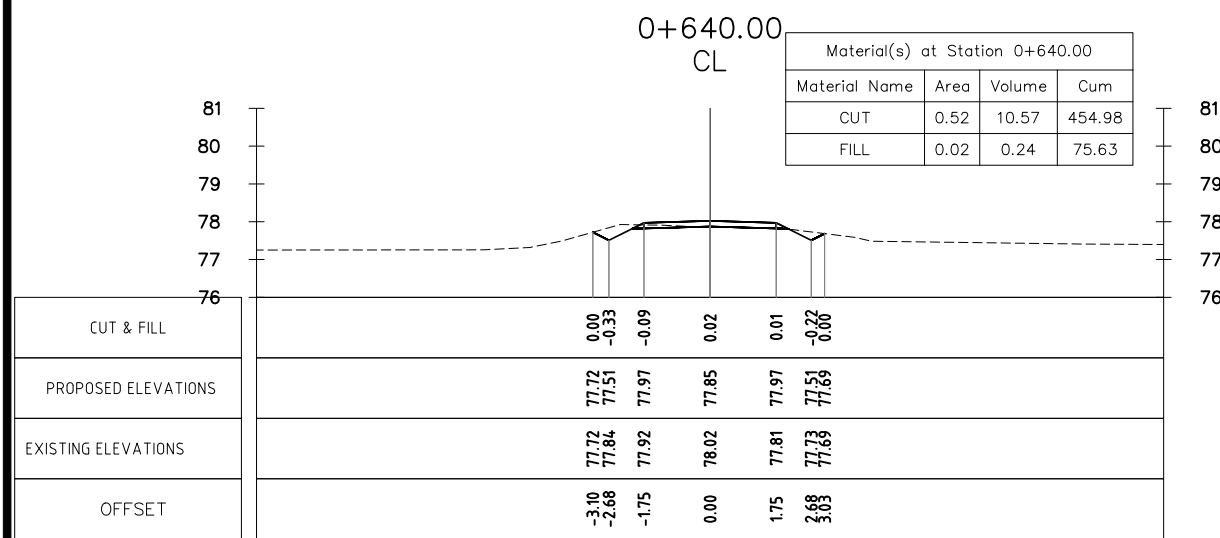
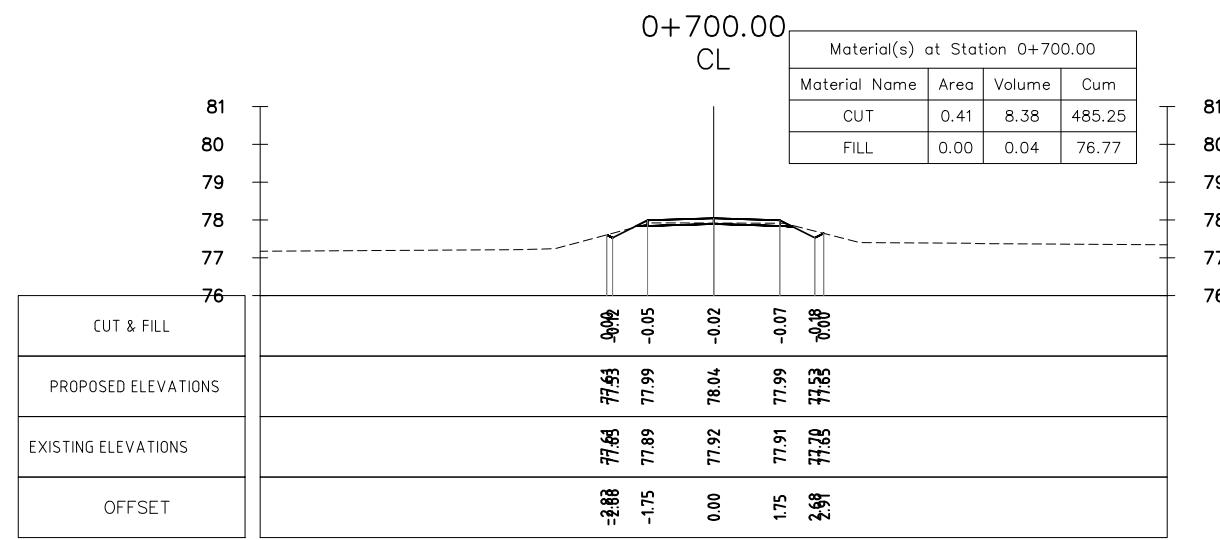
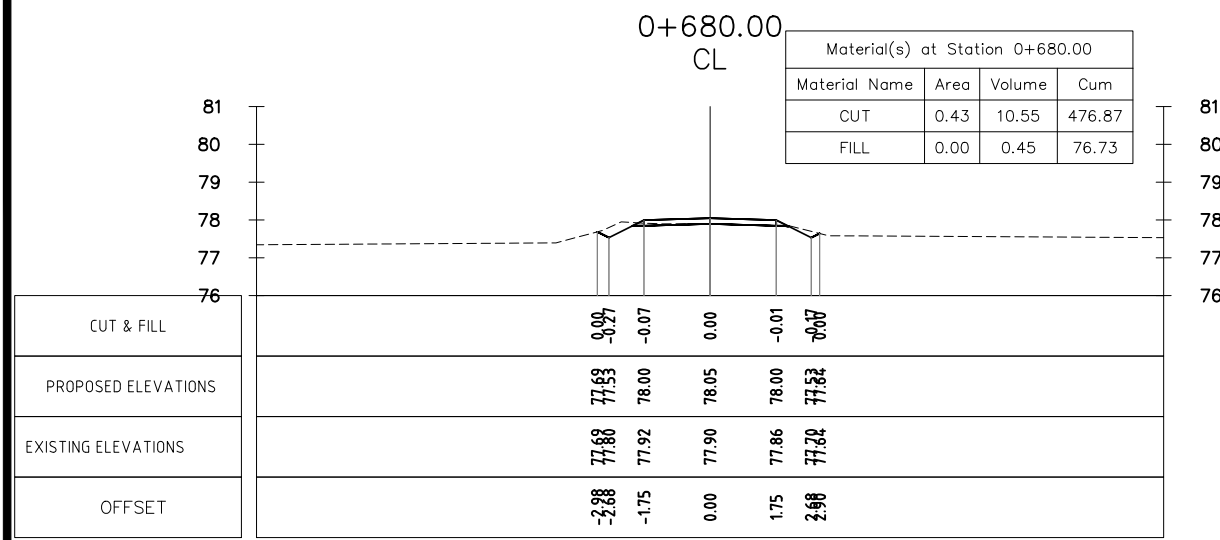
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 0+480-0+580

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-261
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



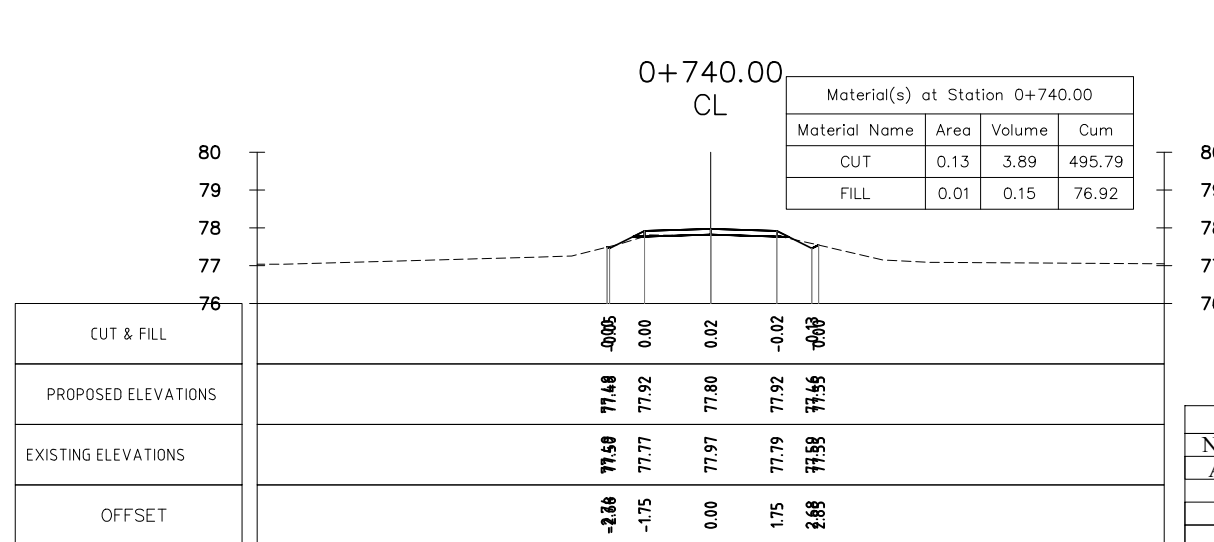
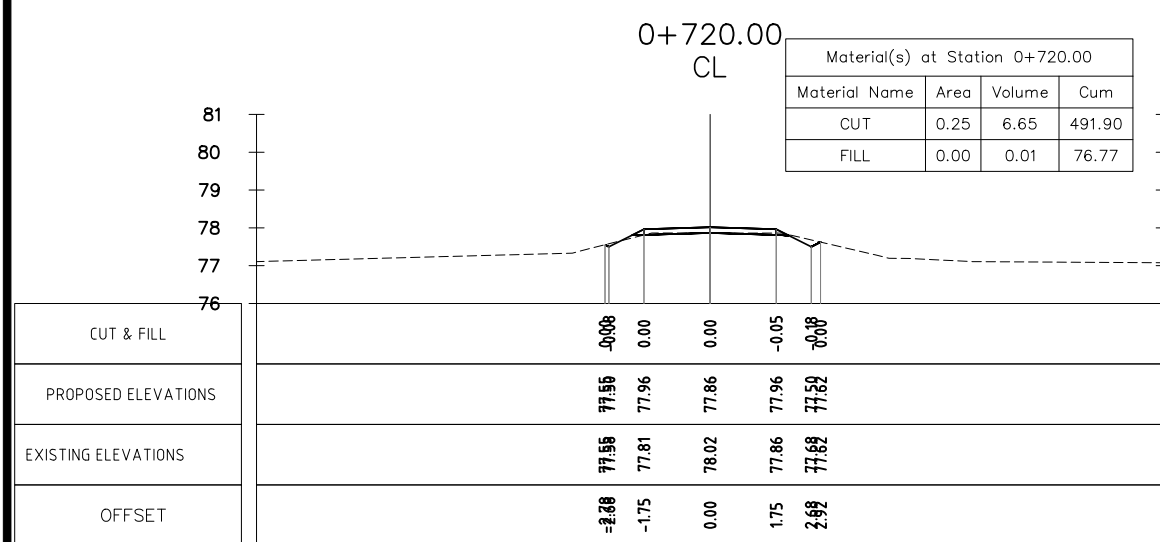
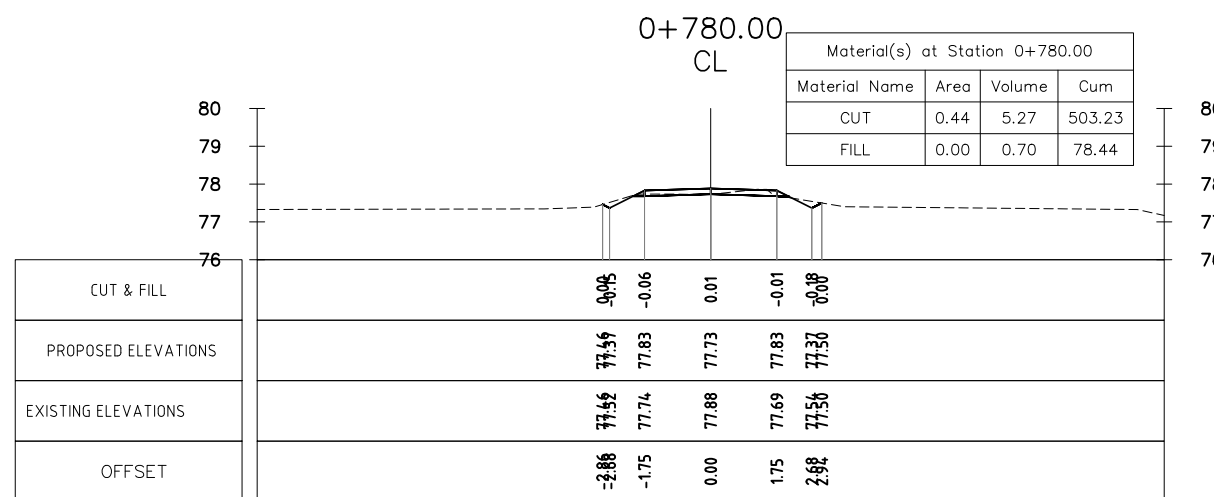
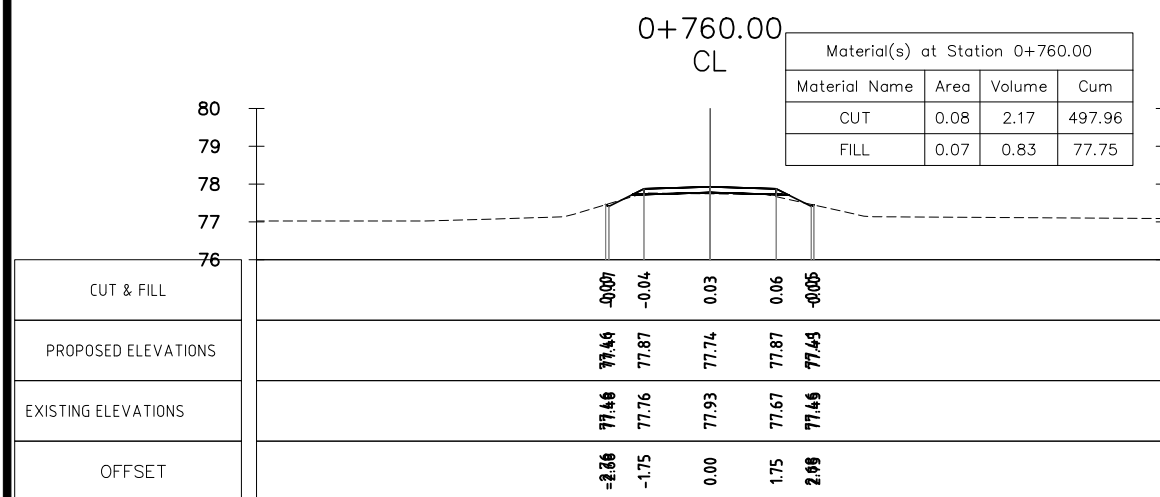
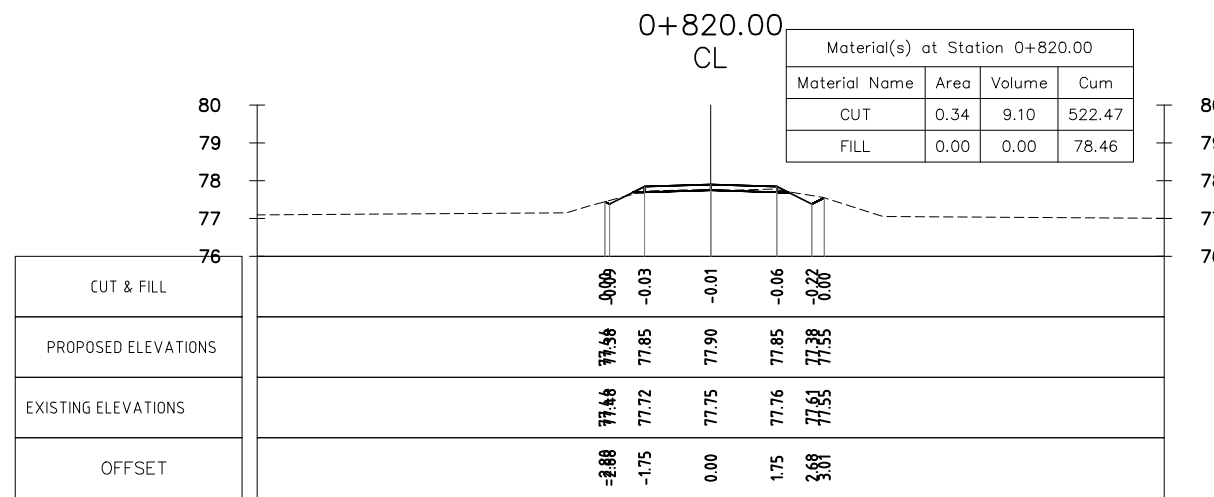
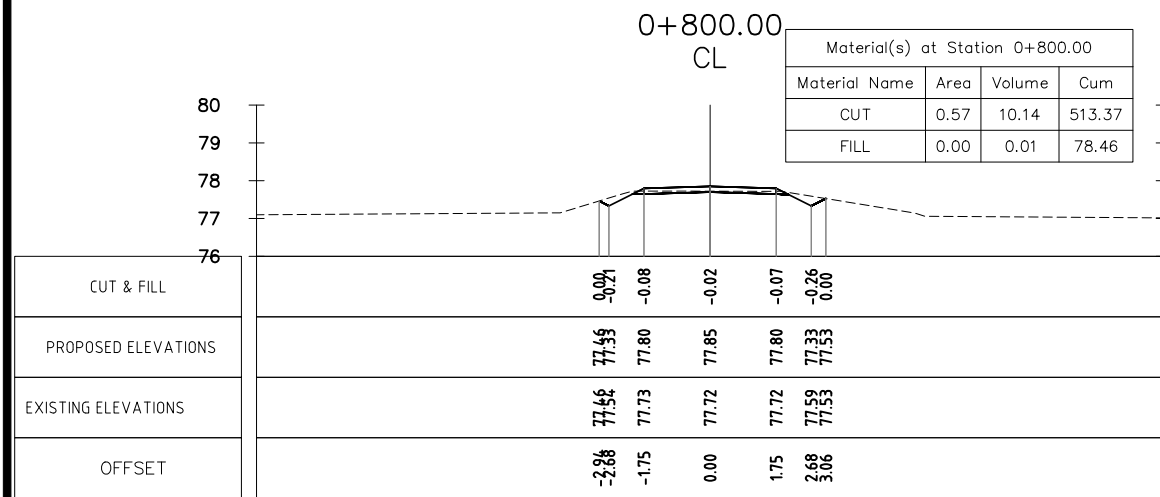
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 0+600-0+700

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-262
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 0+720-0+820

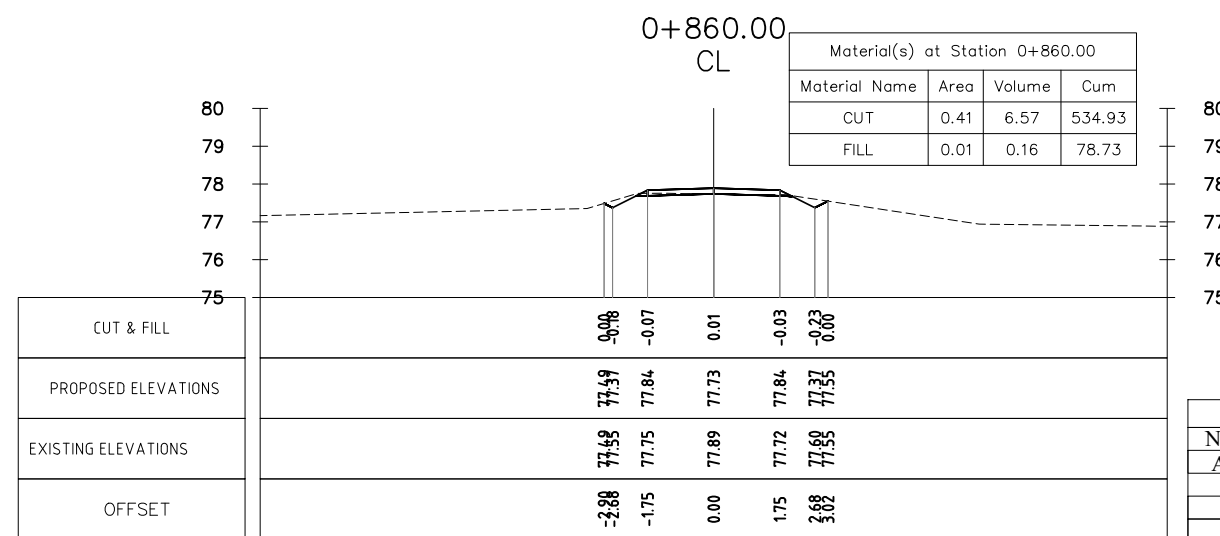
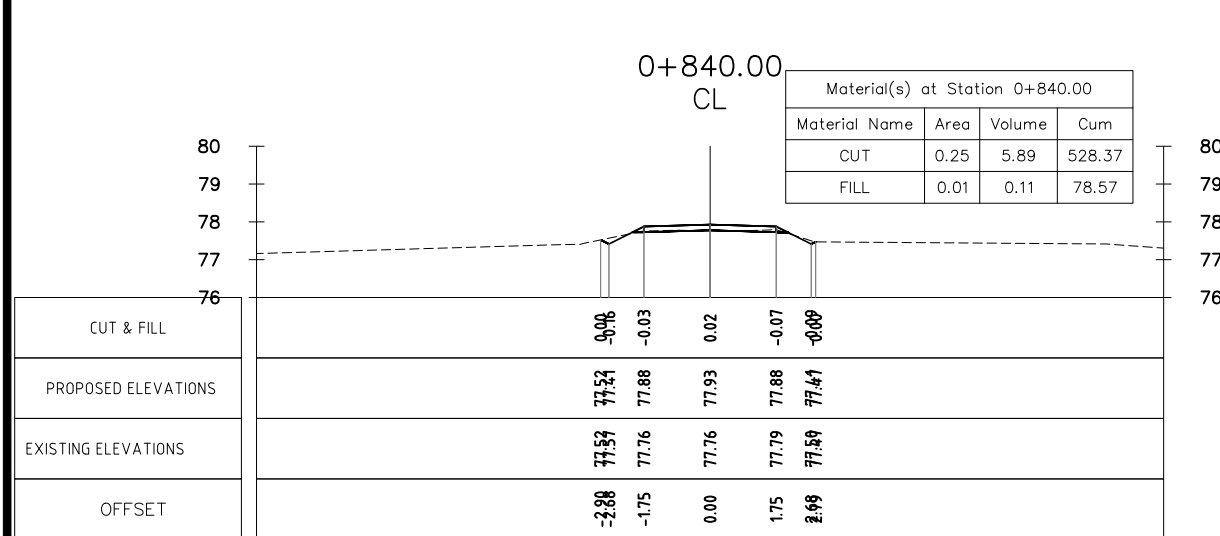
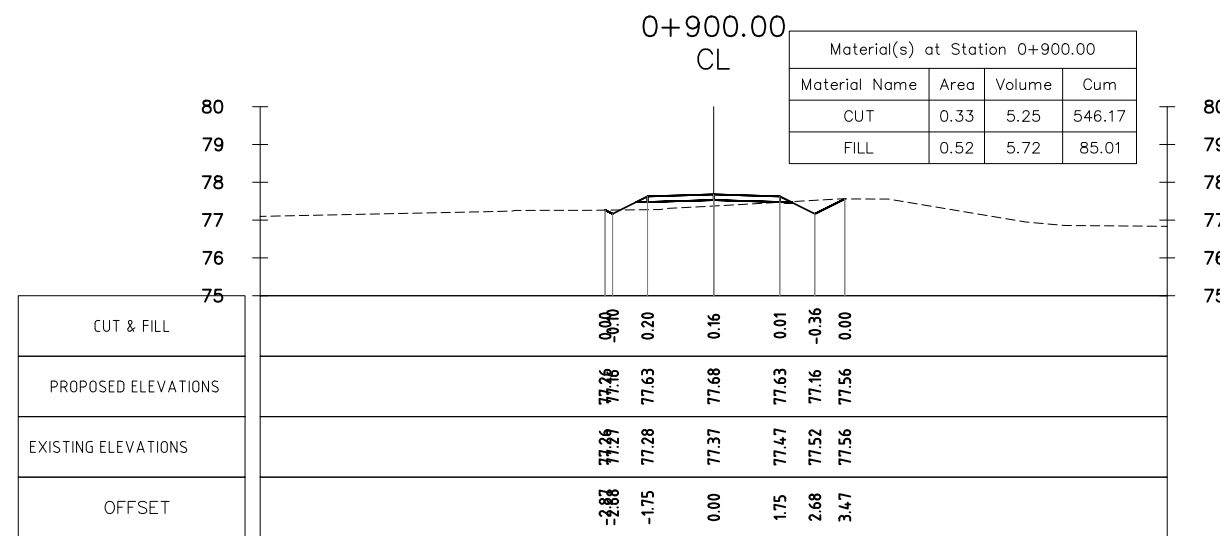
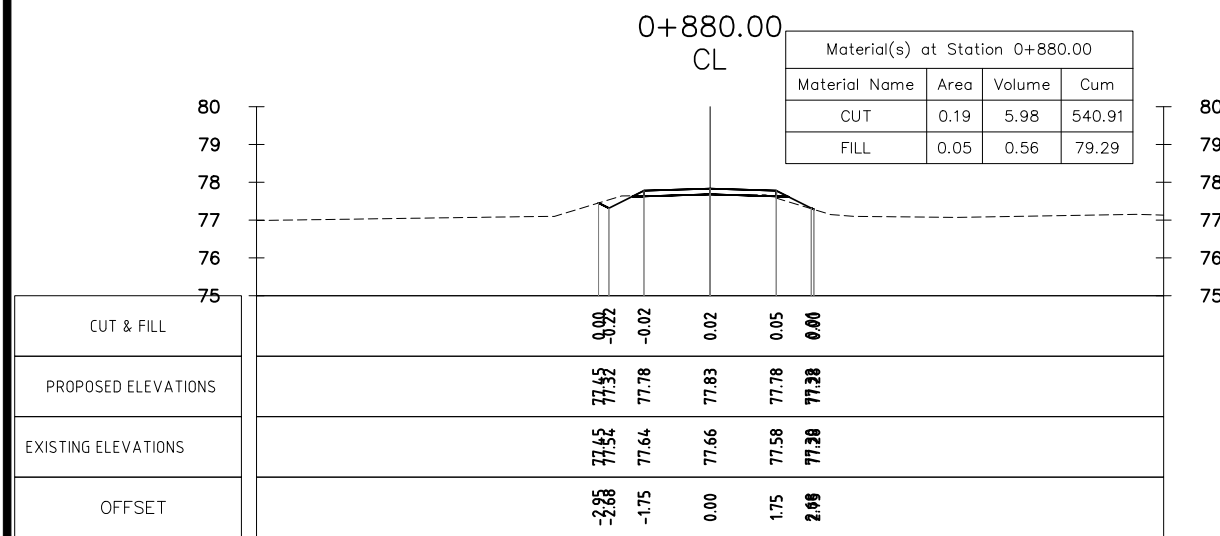
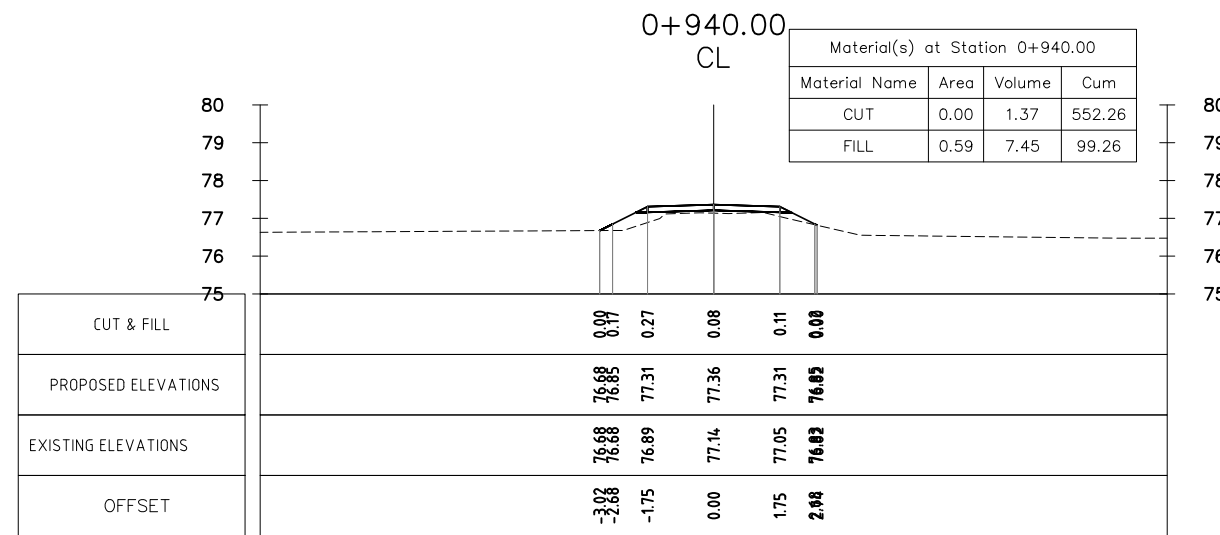
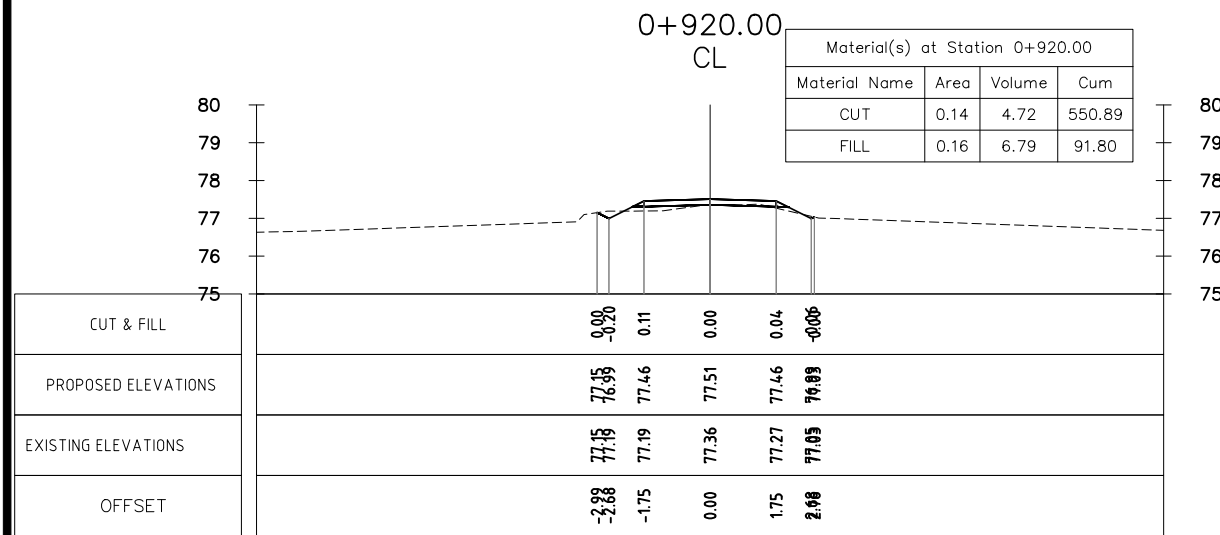
SCALE IN A3:  
 1/200

DATE :

DRAWING No. :

LAO - NKS

C-263



REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

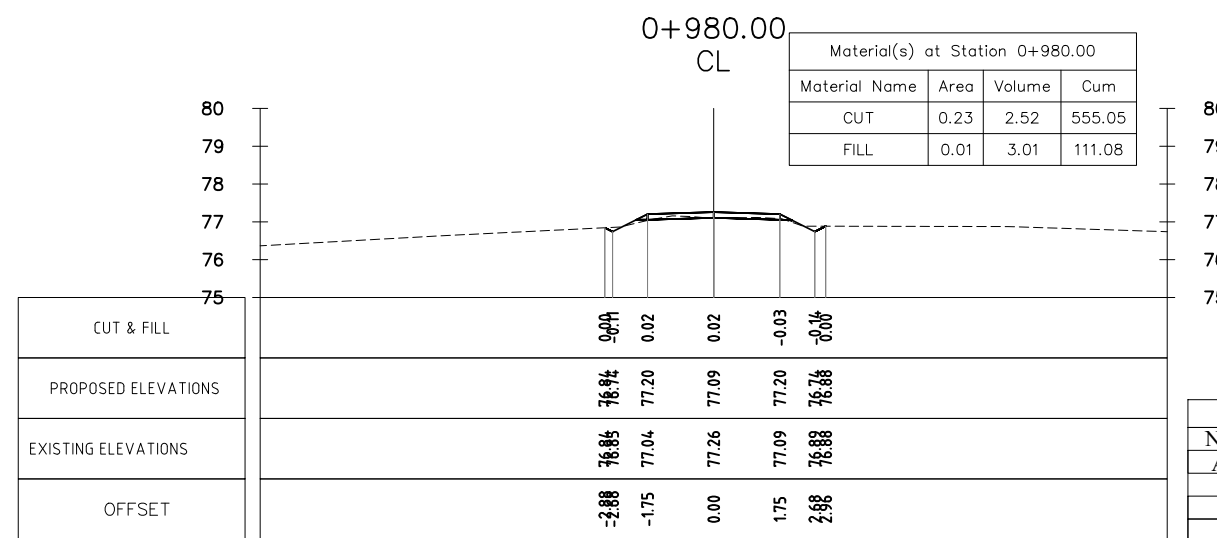
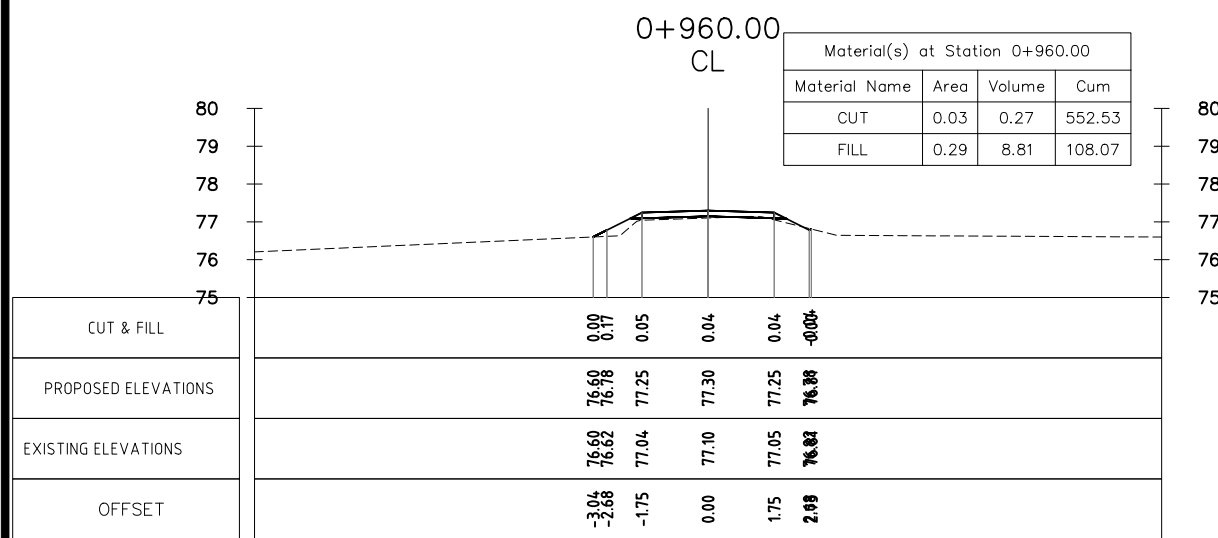
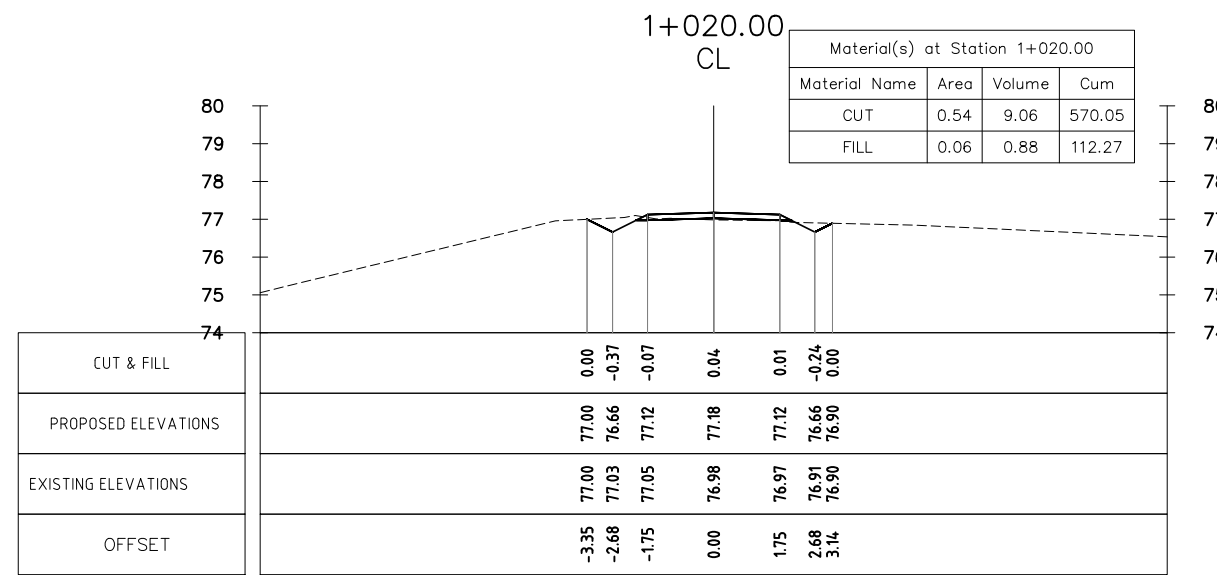
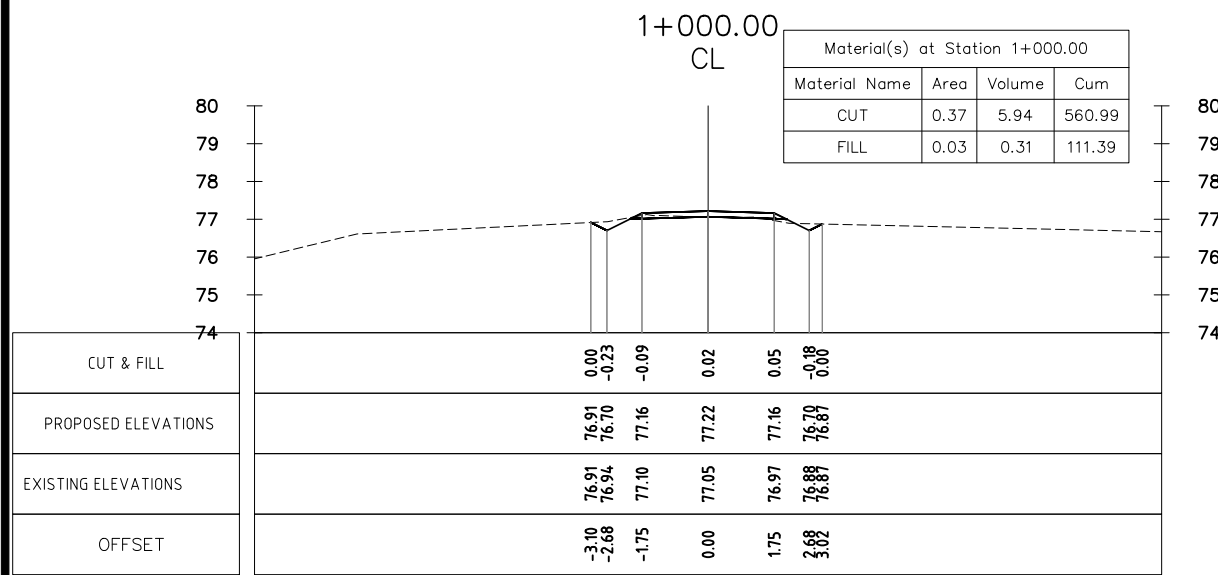
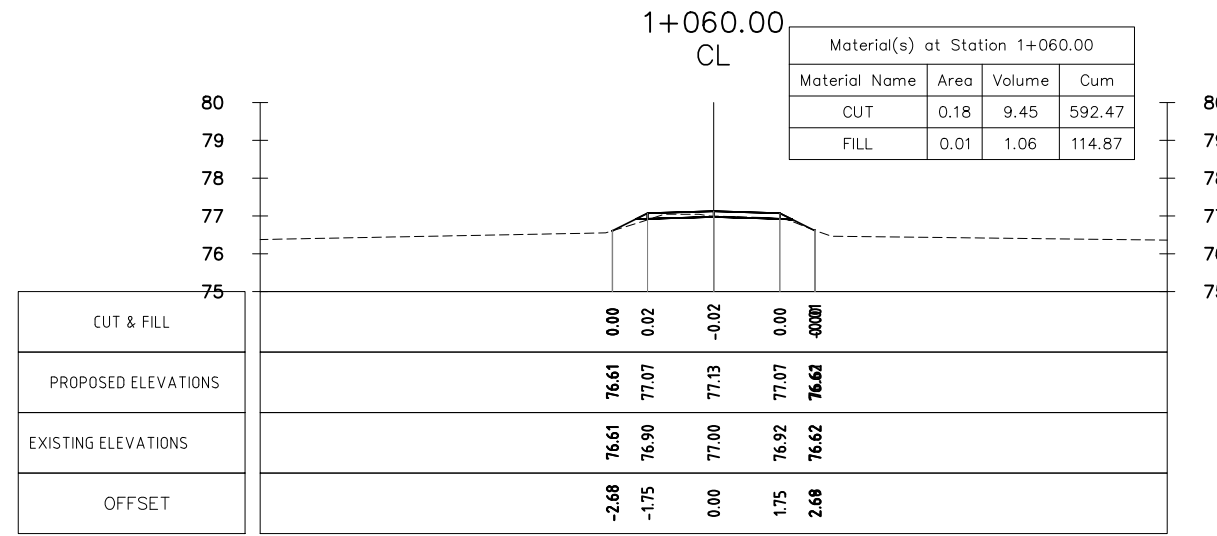
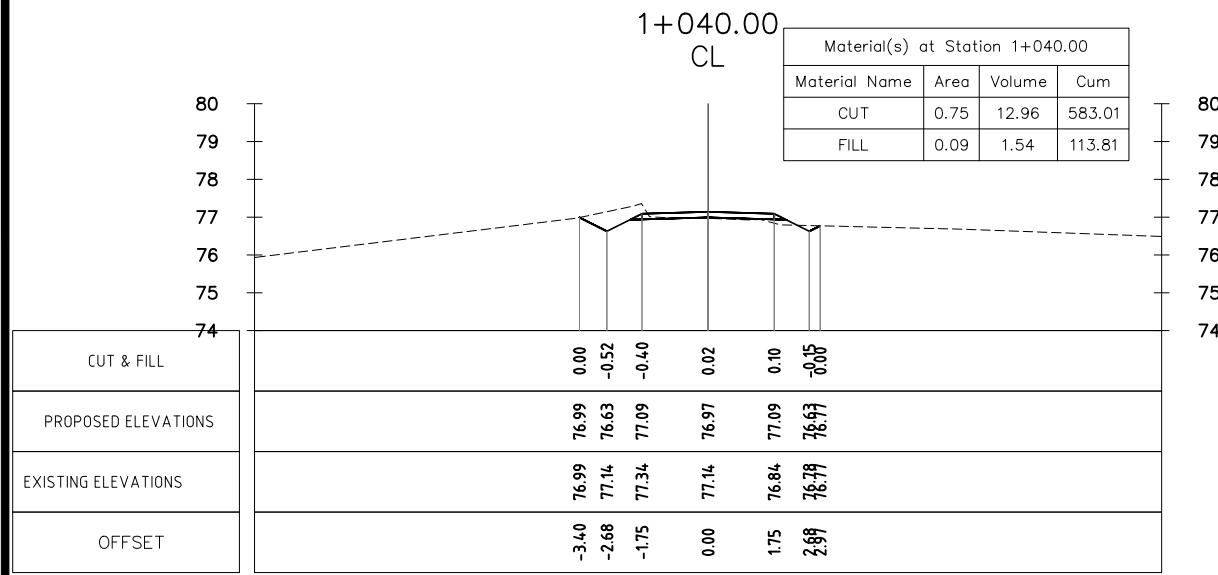


PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 0+840-0+940

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-264
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



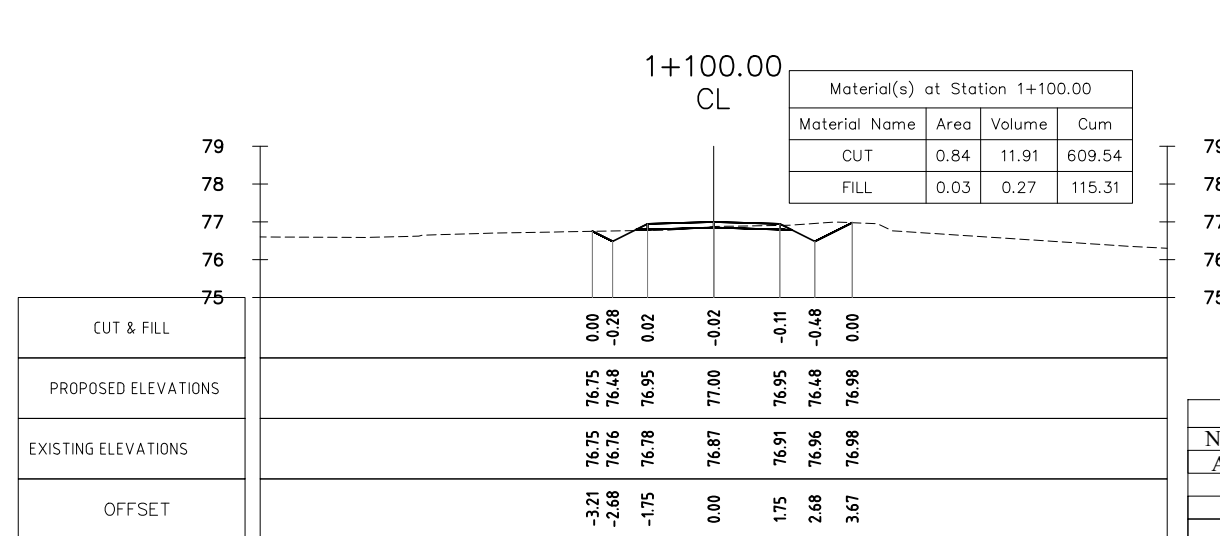
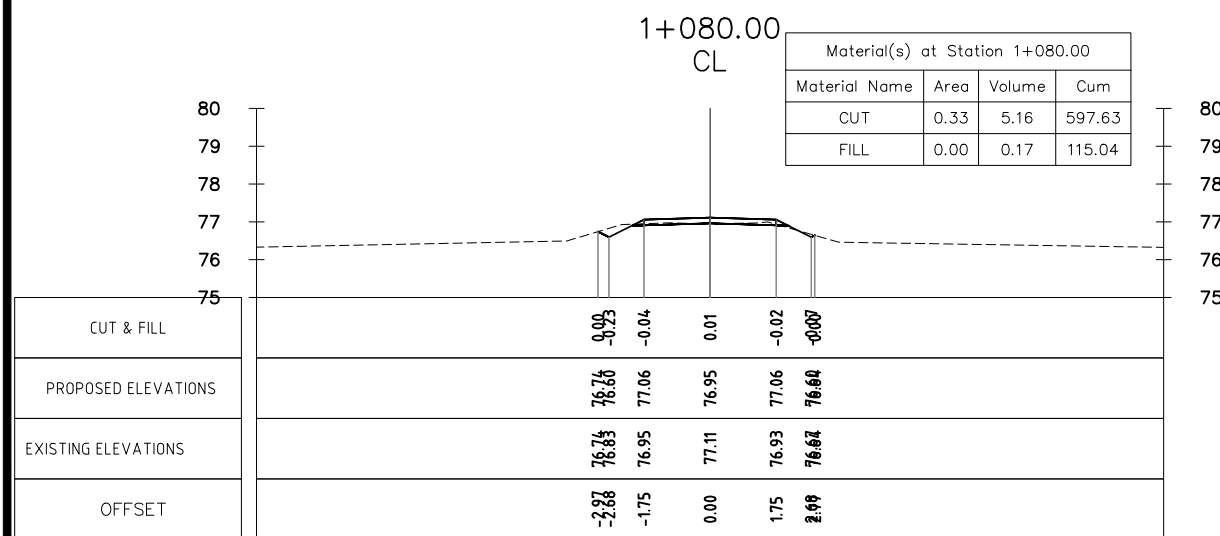
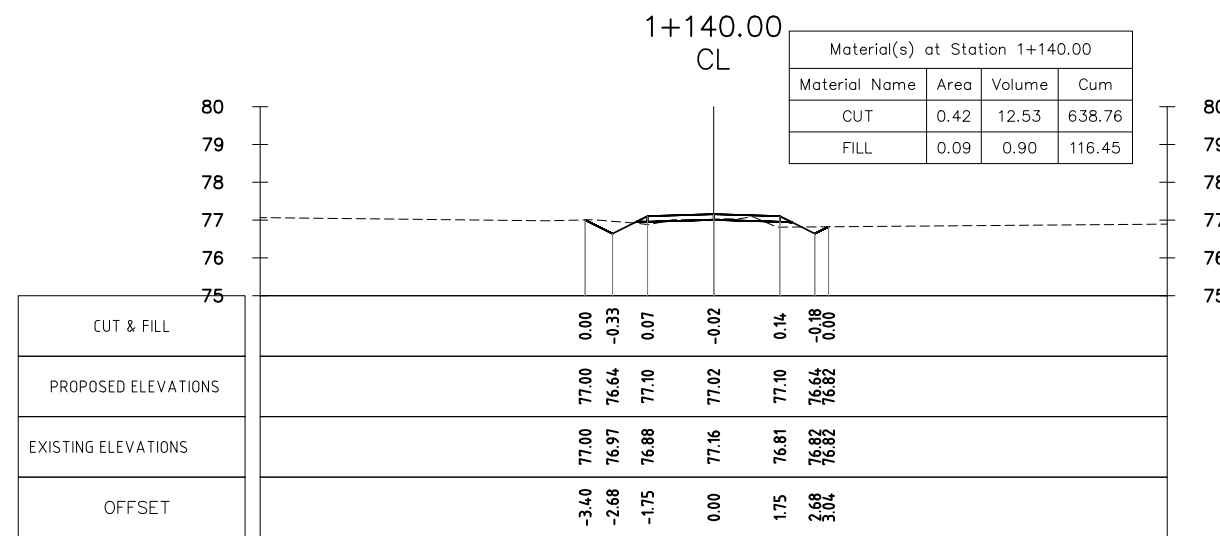
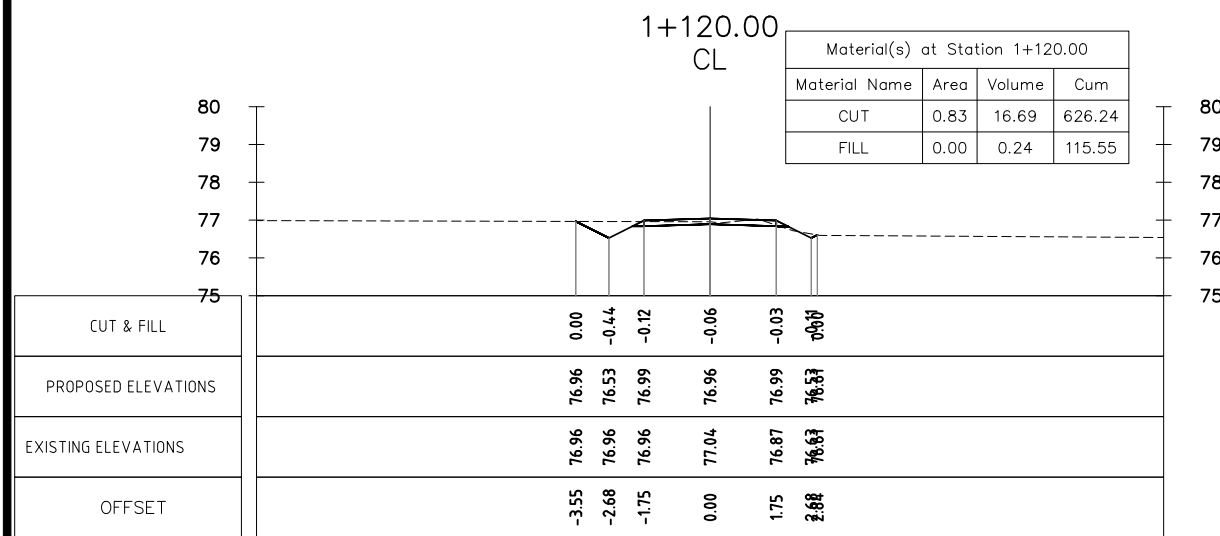
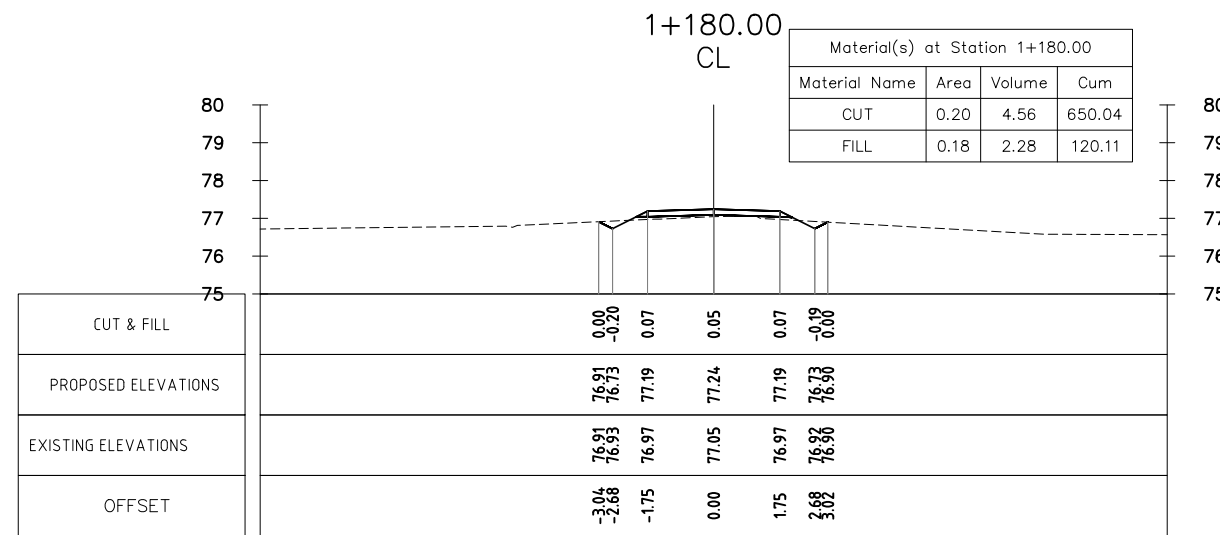
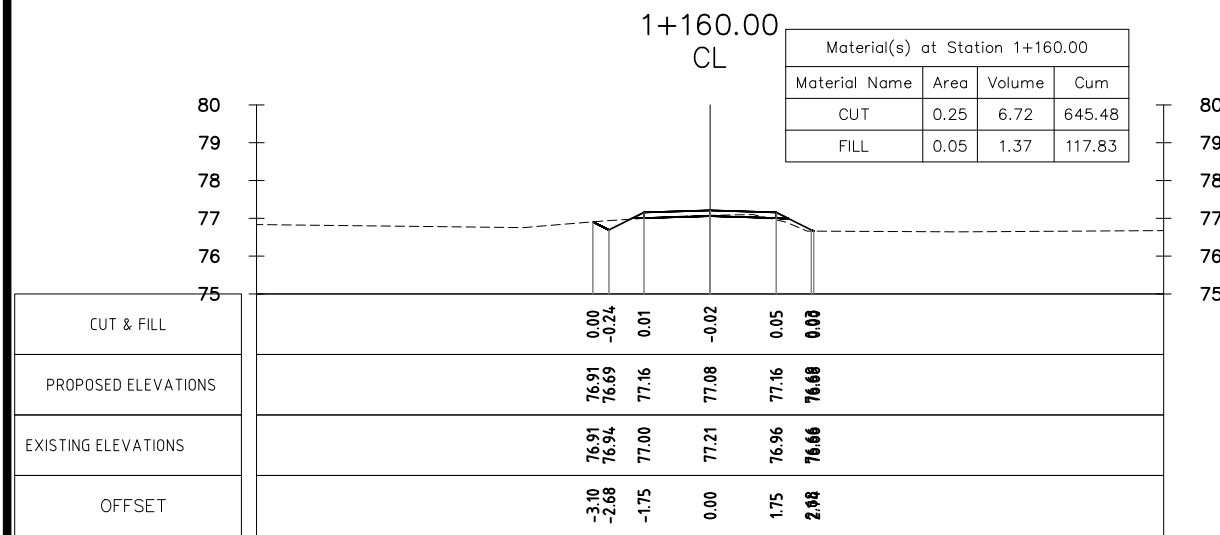
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 0+960-1+060

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-265
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

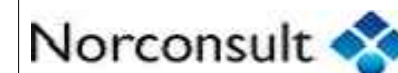
Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



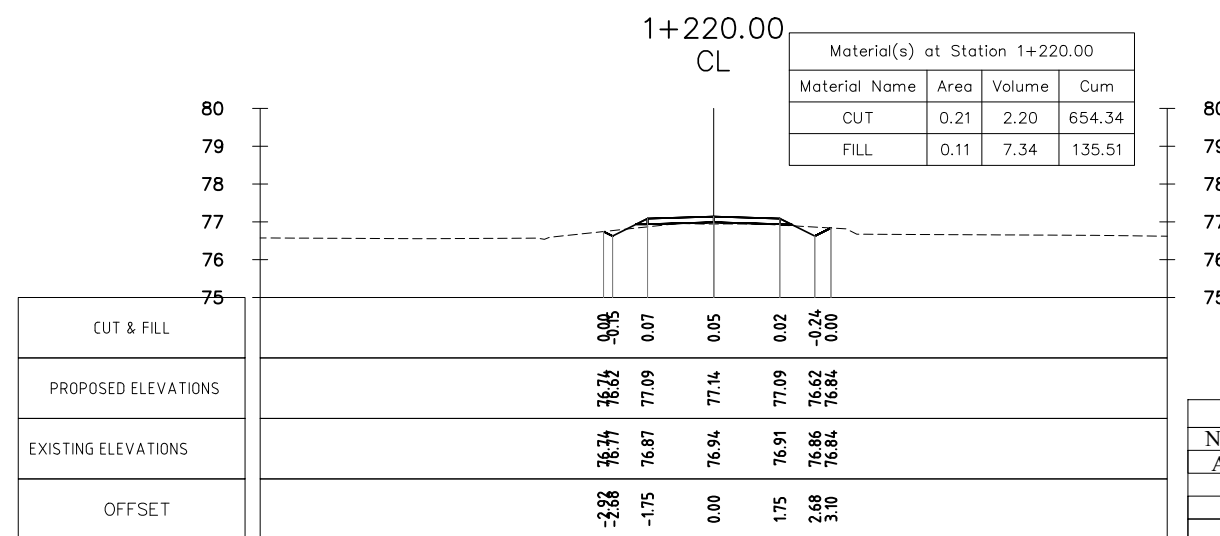
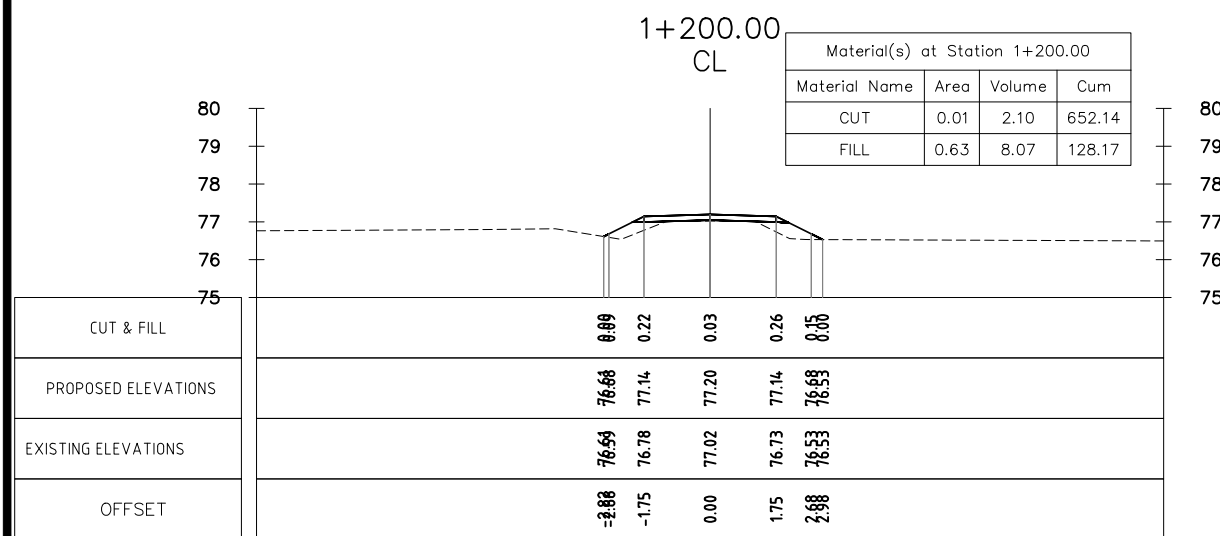
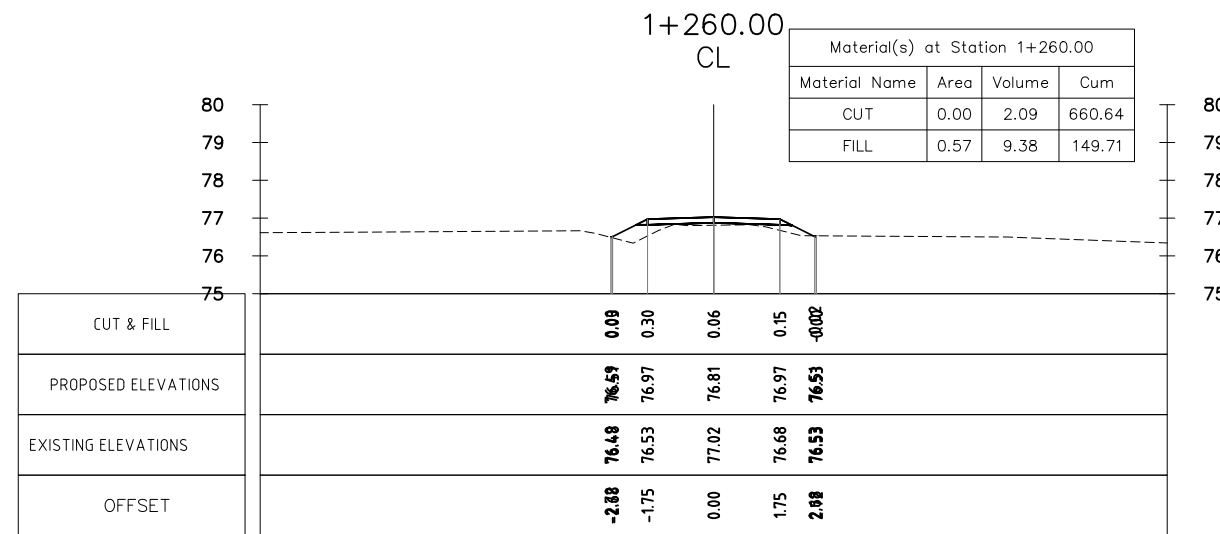
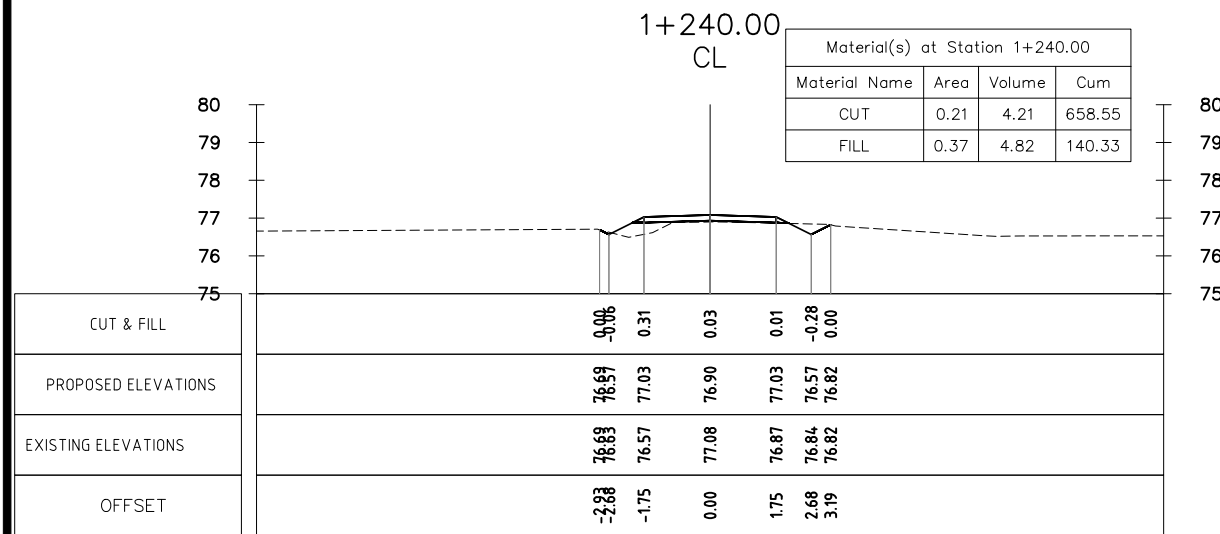
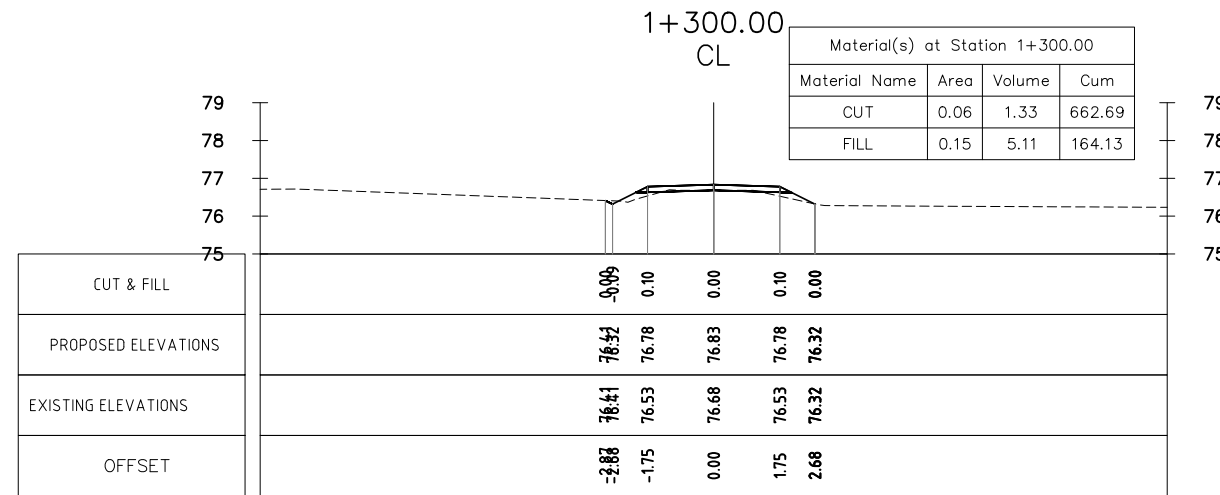
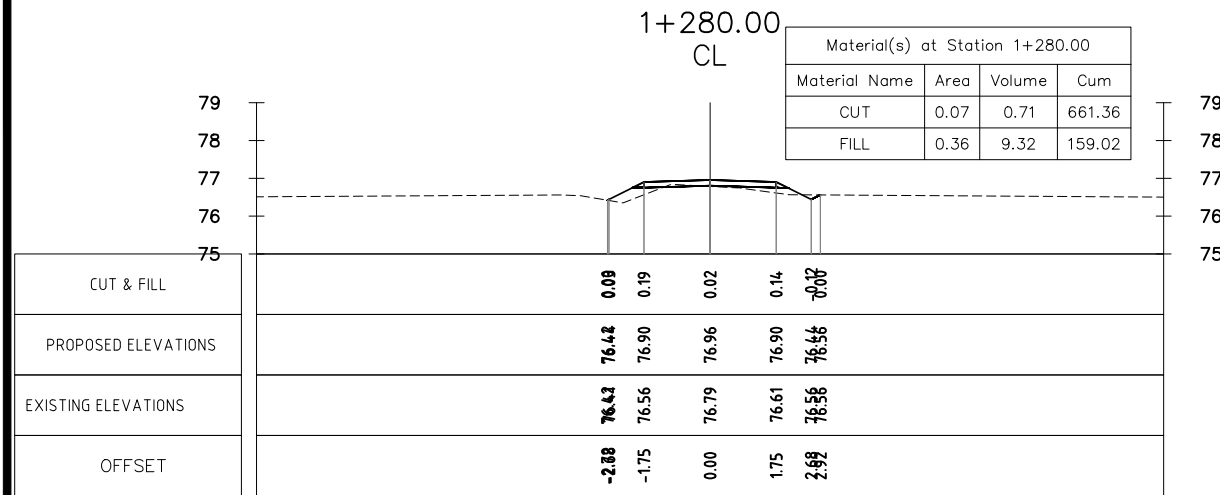
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 1+080-0+180

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-266
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

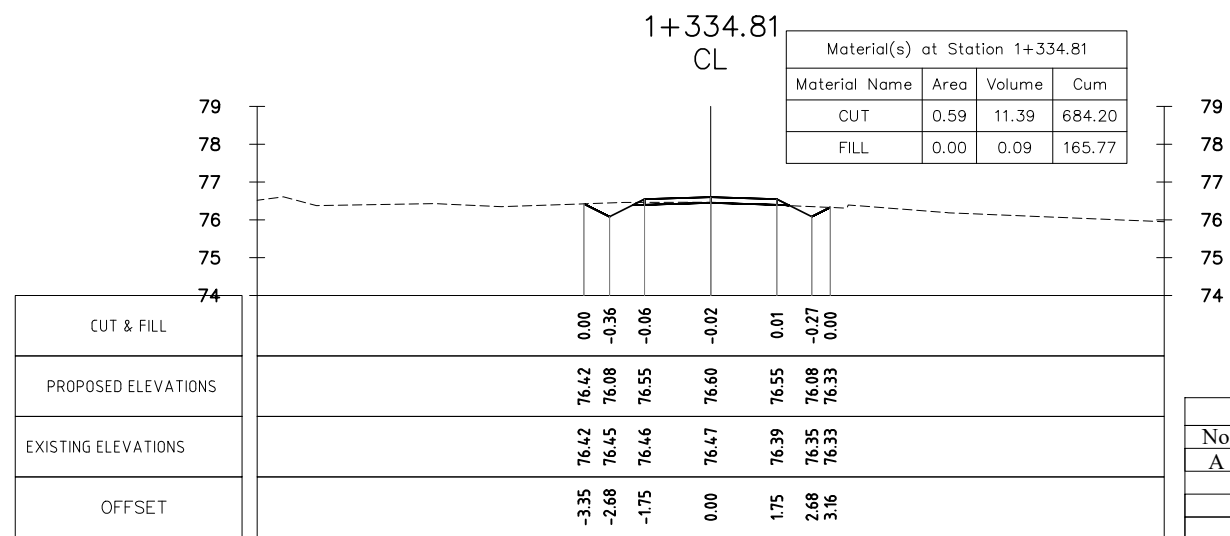
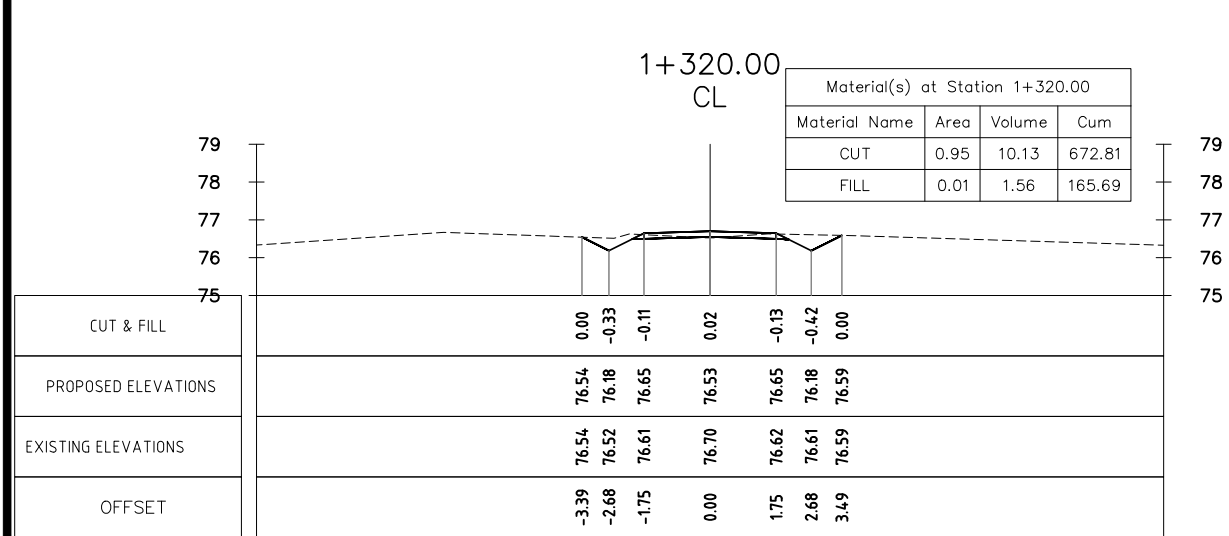
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 1+200-1+130

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-267
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REVISION:		
No.	Description	Date
A	Road Cross-Section	30-09-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

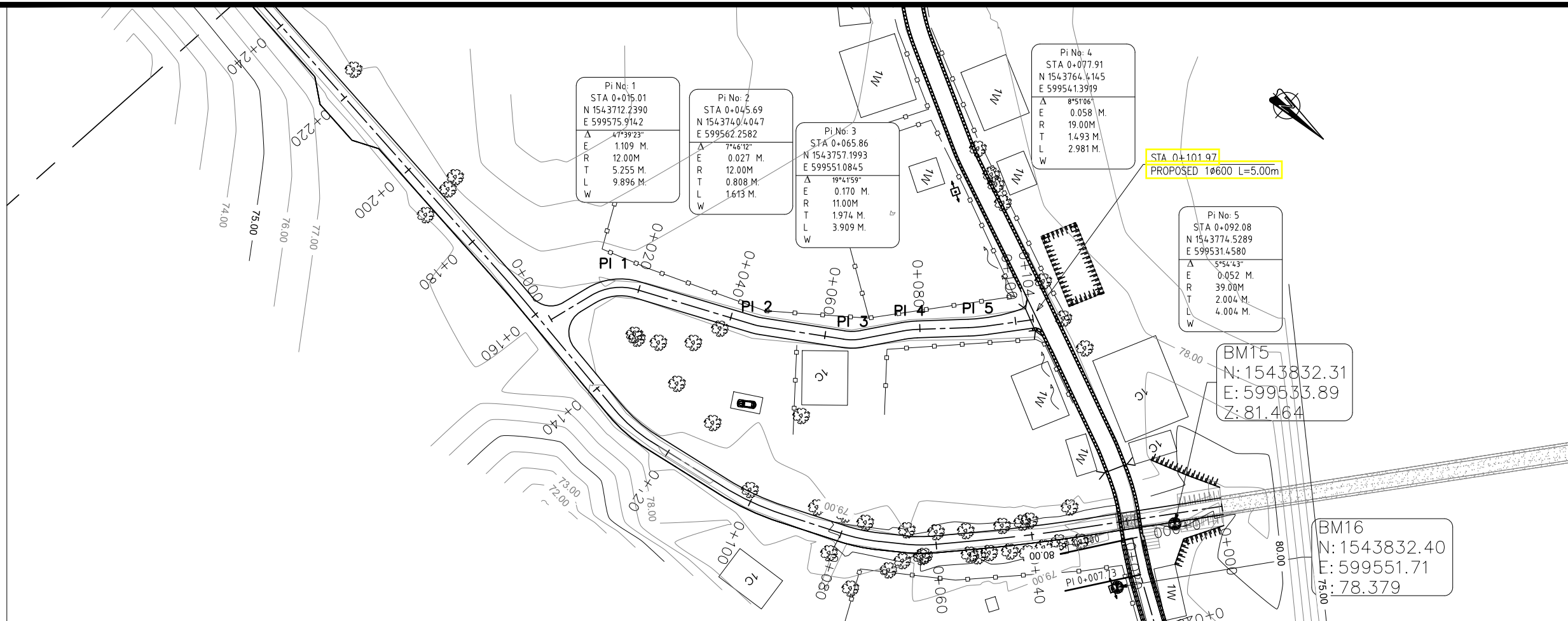
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL06) CROSS - SECTION Sta:km 1+320-1+334.81

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	C-268
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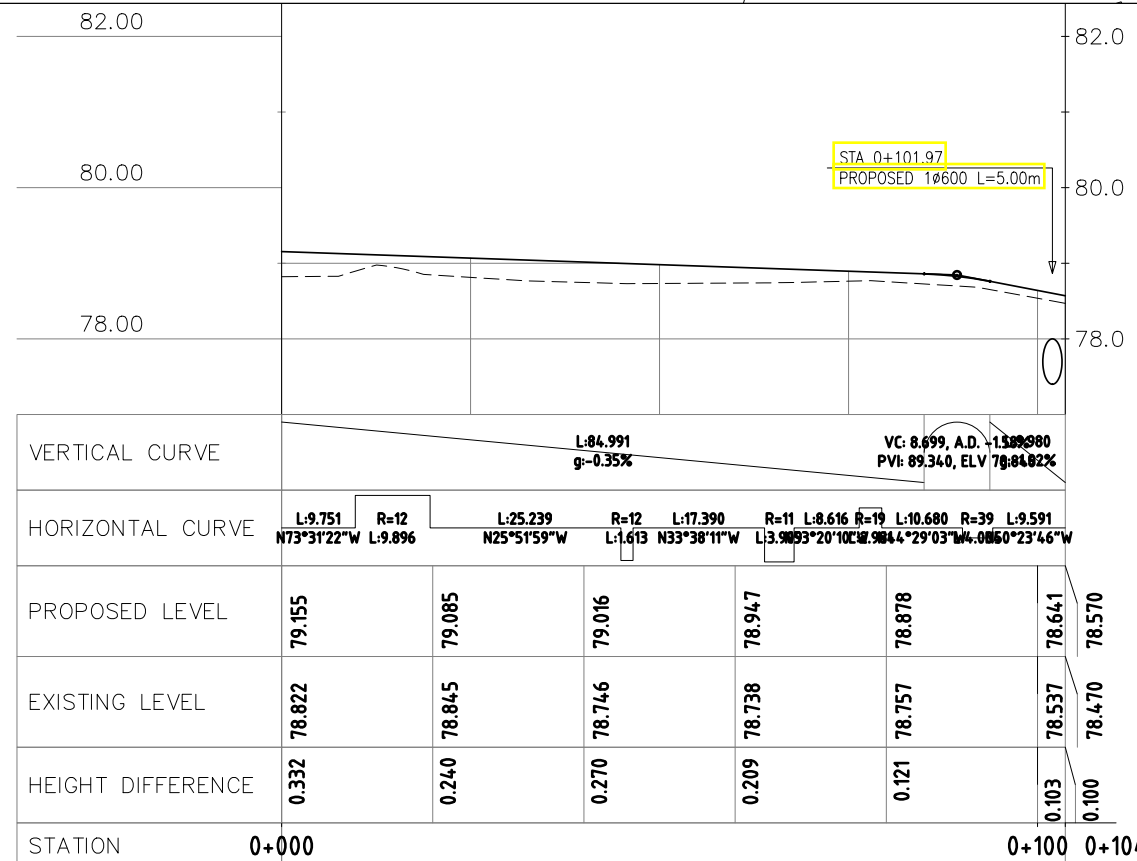
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:		
No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



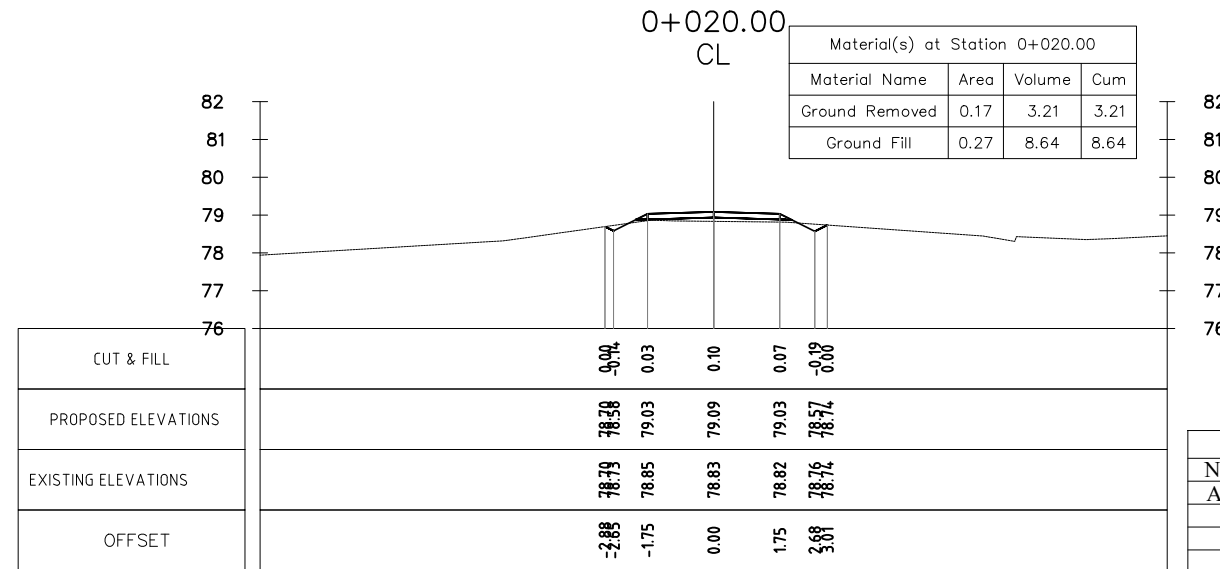
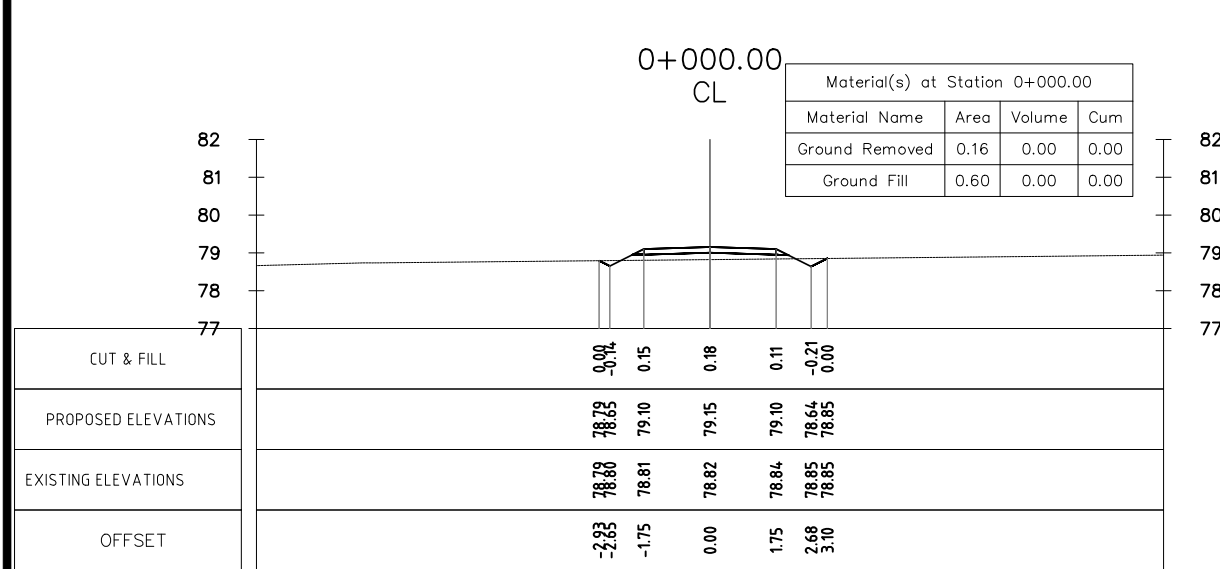
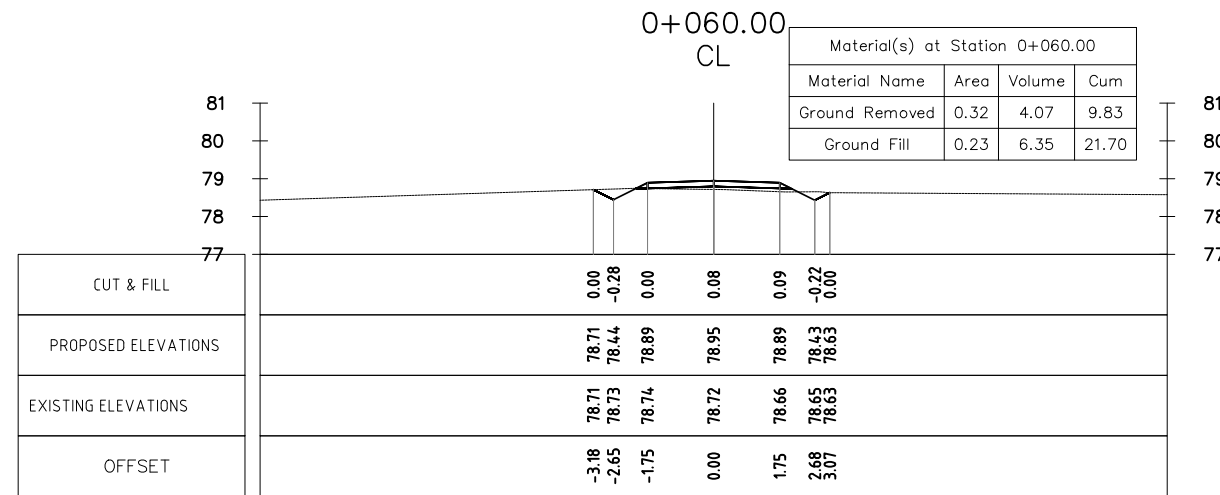
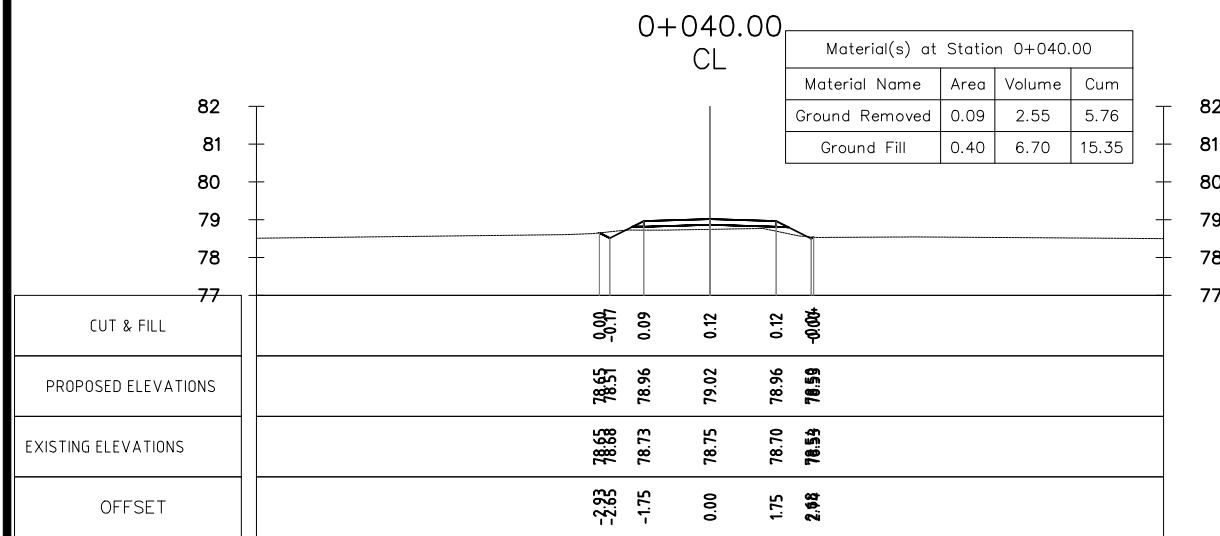
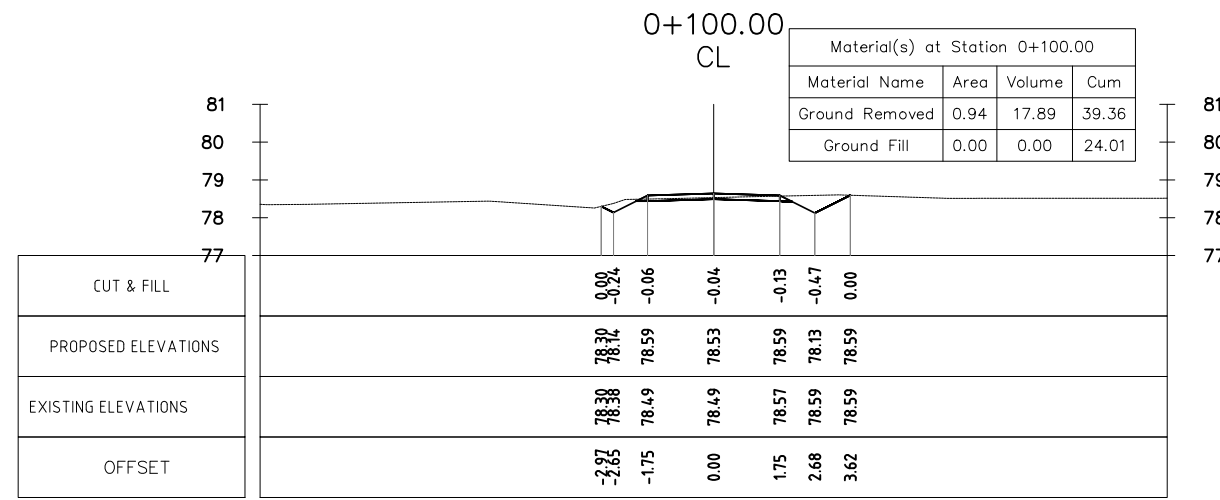
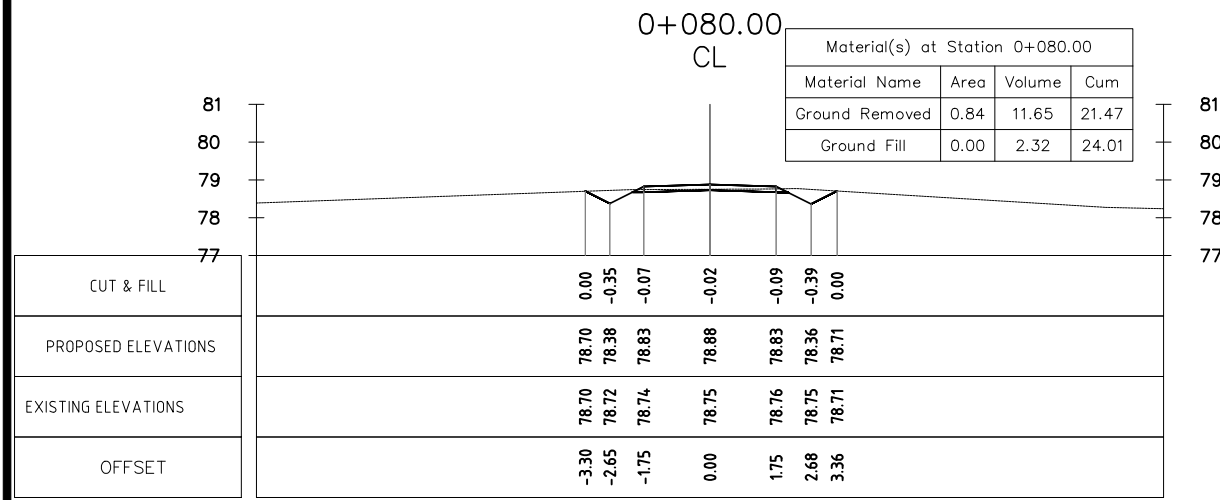
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(1RL-07) PLAN AND PROFILE Sta:km 0+000-0+103.64

SCALE IN A3: H1/1000 V1/100 DATE: DRAWING No.: LAO - NKS C-269



REVISION:		
No.	Description	Date
A	Road Cross-Section	12-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:  
DATE:



ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

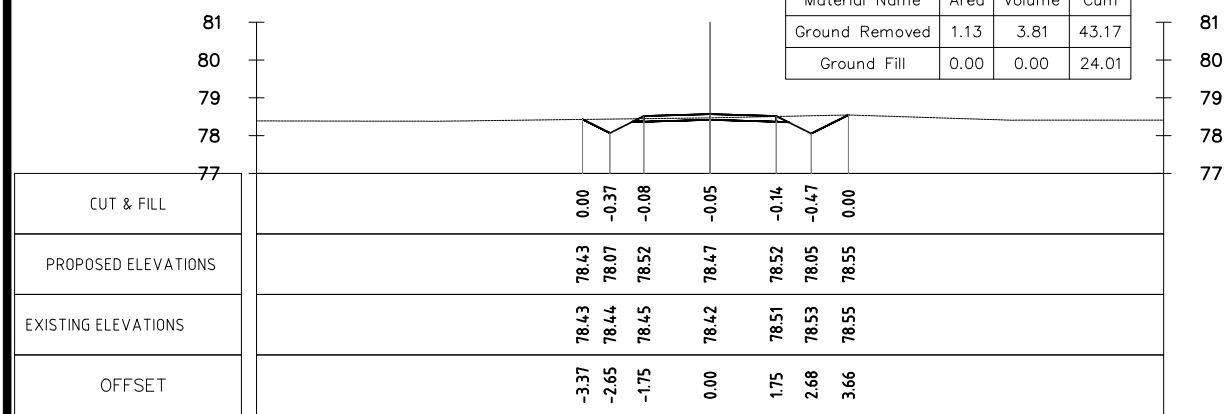
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
DRAWING TITLE : ACCESS ROAD -A2(IRL-07) CROSS - SECTION Sta:km 0+000-0+100  
SCALE IN A3: 1/200  
DATE :  
DRAWING No. : LAO - NKS  
C-270

0+103.67  
CL

Material(s) at Station 0+103.67			
Material Name	Area	Volume	Cum
Ground Removed	1.13	3.81	43.17
Ground Fill	0.00	0.00	24.01



REVISION:		
No.	Description	Date
A	Road Cross-Section	12-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:  
DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



Norconsult



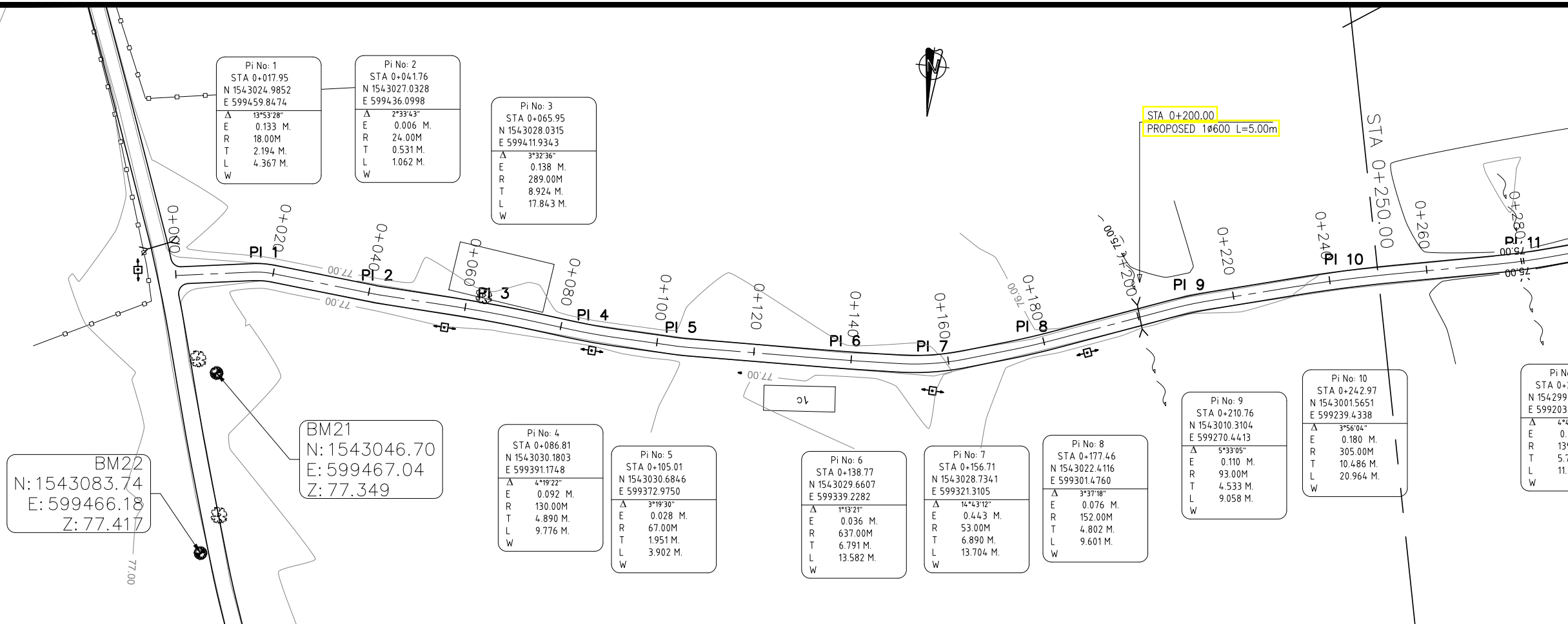
CADTIS-Consultant



ບໍລິສັດ ລາວ-ອາຊຽນ ອີນຊີເນີຽງ ຈຳກັດ  
LAO-Asean Engineering Consultants Sole CO.,LTD

PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : ACCESS ROAD -A2(IRL-07) CROSS - SECTION Sta:km 0+100-0+103.67			
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-271

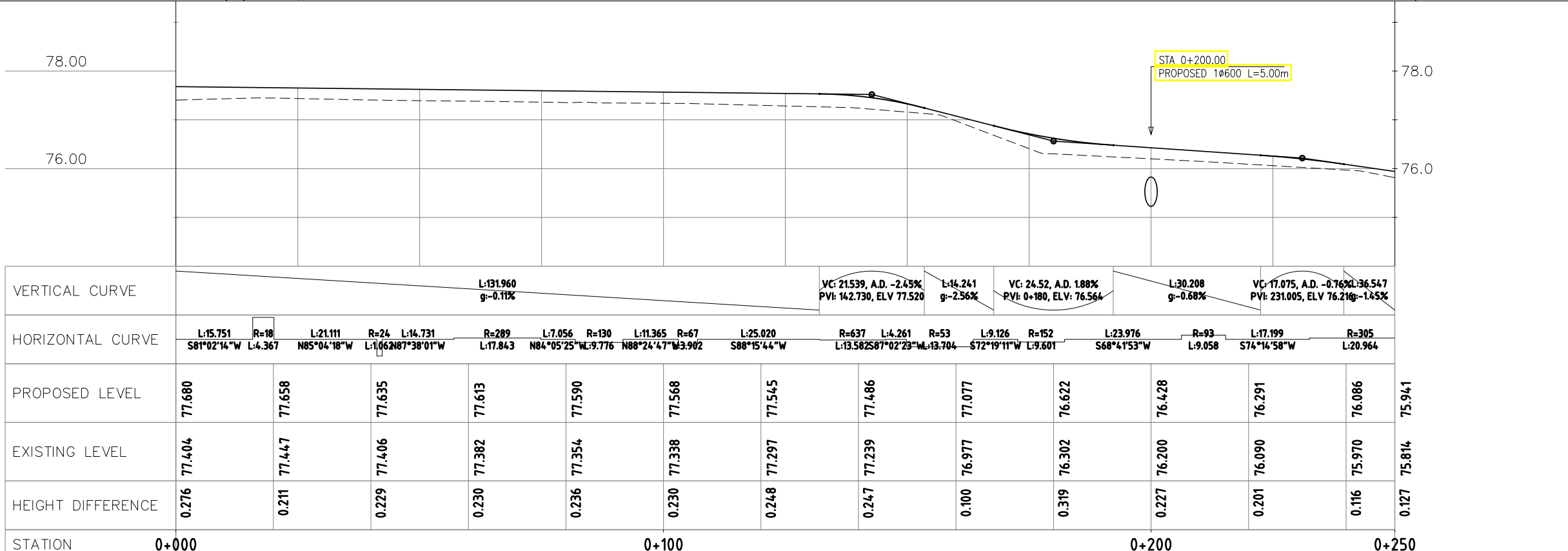
PLAN VIEW



**LEGEND:**

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



**REVISION:**

No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

**CADTIS**

**CADTIS-Consultant**

**LAO-Asean Engineering Consultants Sole CO.,LTD**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(1RL-08) PLAN AND PROFILE Sta:km 0+000-0+250

SCALE IN A3: H1/1000  
 V1/100

DATE: \_\_\_\_\_

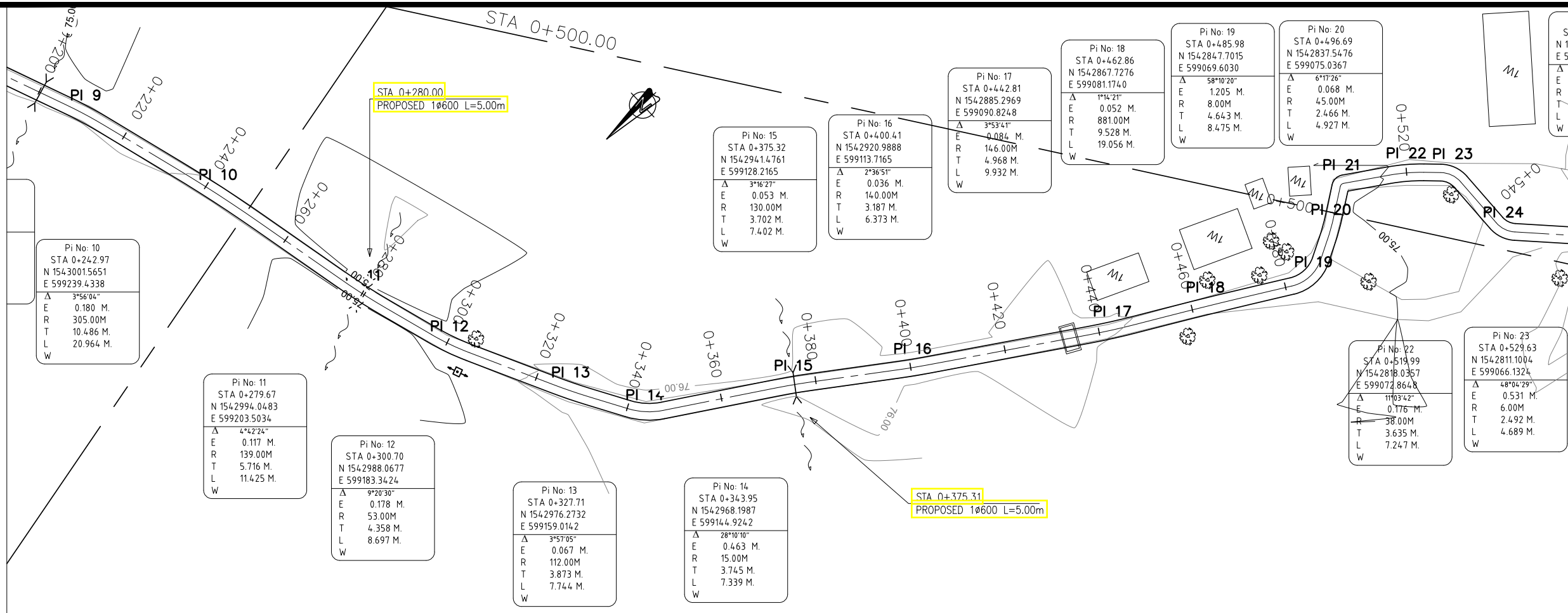
DRAWING No.: \_\_\_\_\_

LAO - NKS

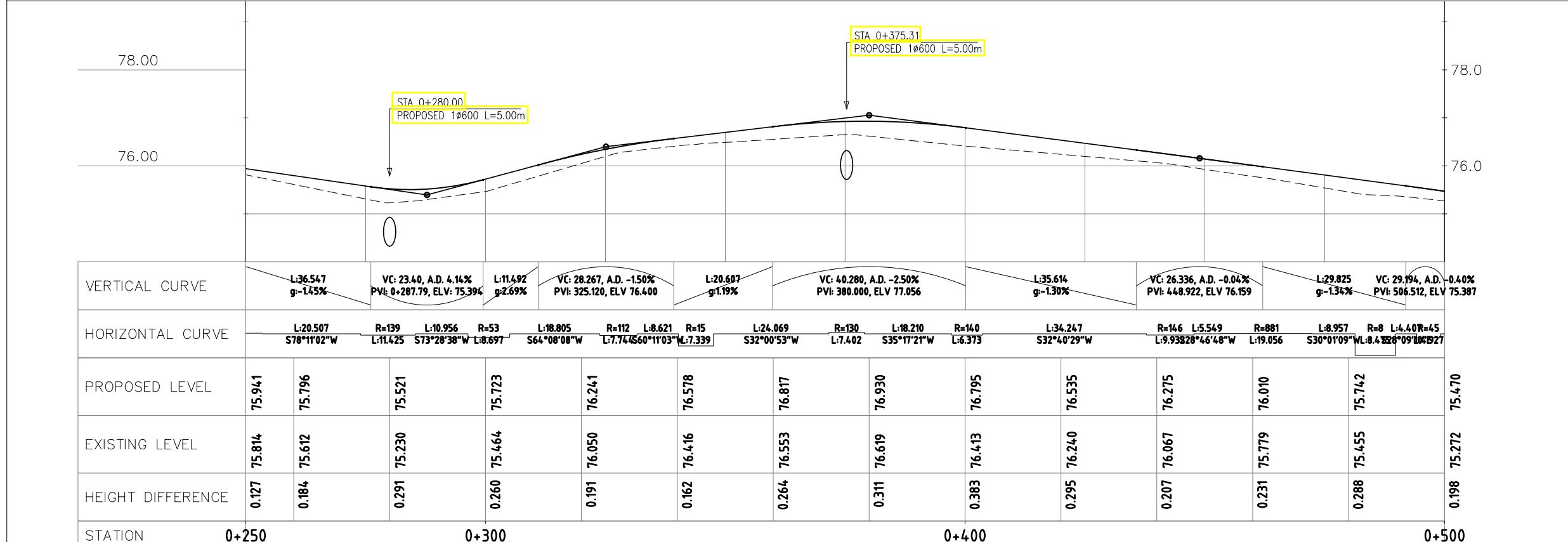
C-272



PLAN VIEW



PROFILE VIEW



REVISION:

No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2( IRL-08) PLAN AND PROFILE Sta:km 0+250-0+500

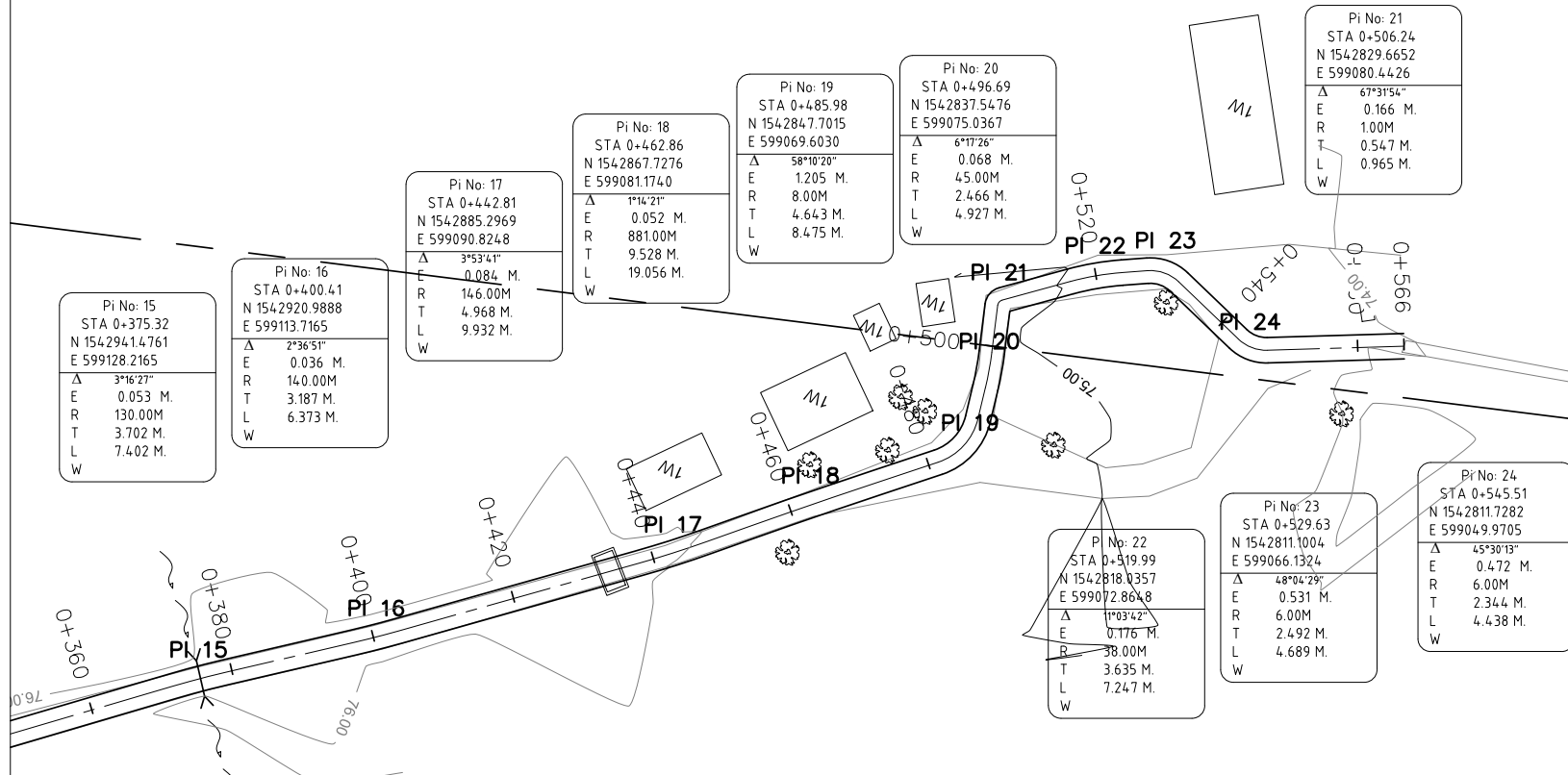
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 V1/100

DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

C-273

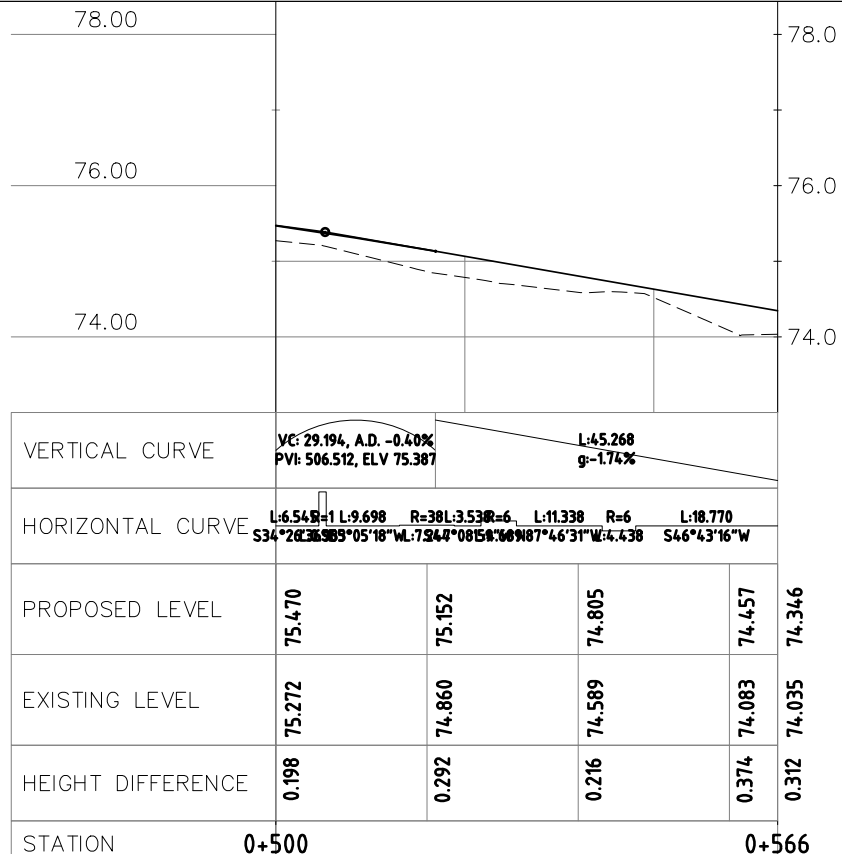
PLAN VIEW



LEGEND:

- NORTH DIRECTION
- CONCRETE BENCH MARK
- ELECTRIC POLE
- PROPOSED FINISHED ROAD
- EXISTING ROAD
- LIGHT FOREST
- DENSE FOREST
- RICE FIELD
- WOOD HOUSE (ONE STOREY)
- CONCRETE-WOOD HOUSE (TWO STOREY)
- CONCRETE HOUSE (TWO STOREY)
- CONCRETE HOUSE (ONE STOREY)
- PIPE CULVERT
- BOX CULVERT
- FENCE

PROFILE VIEW



REVISION:

No.	Description	Date
A	Plan and Profile	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

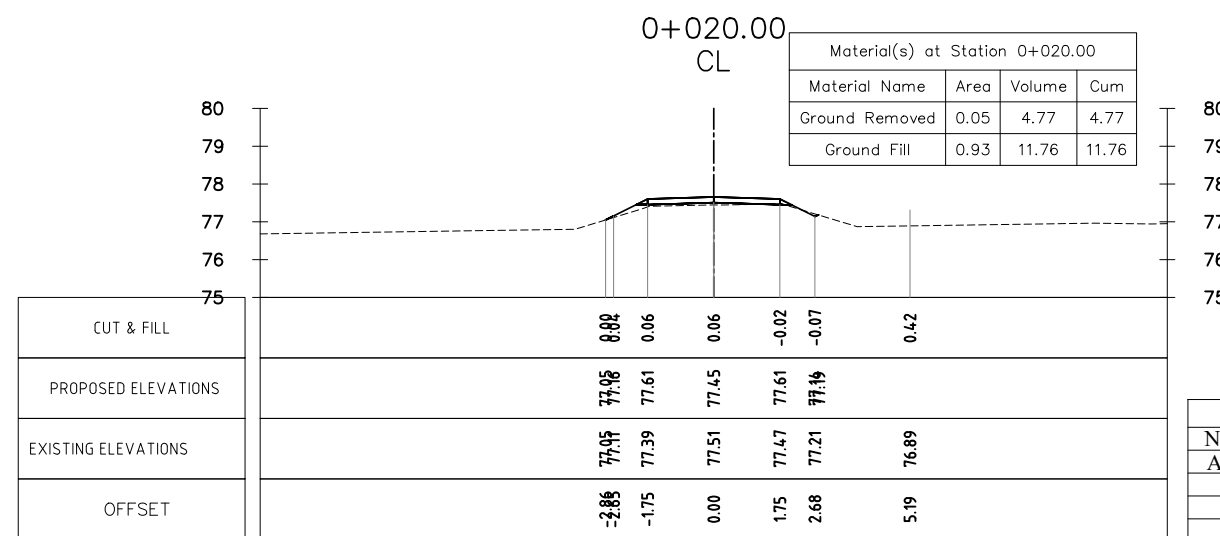
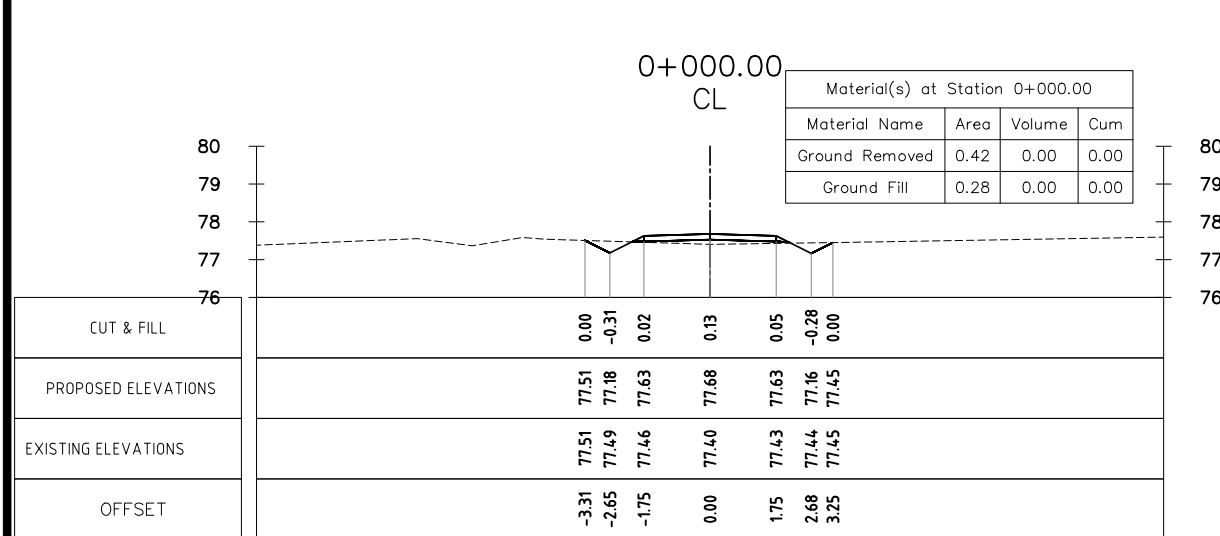
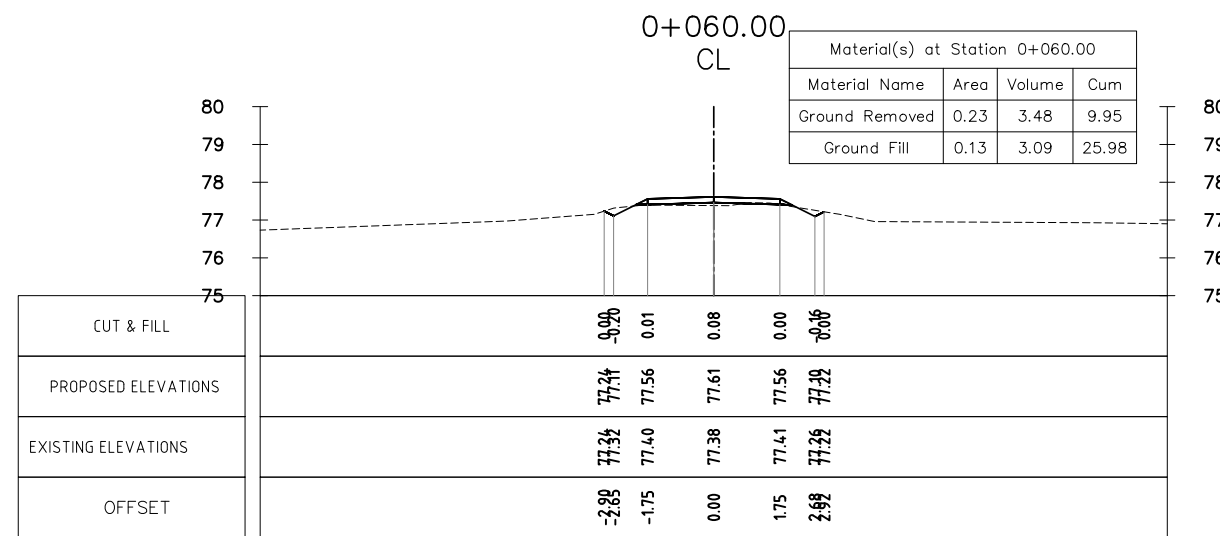
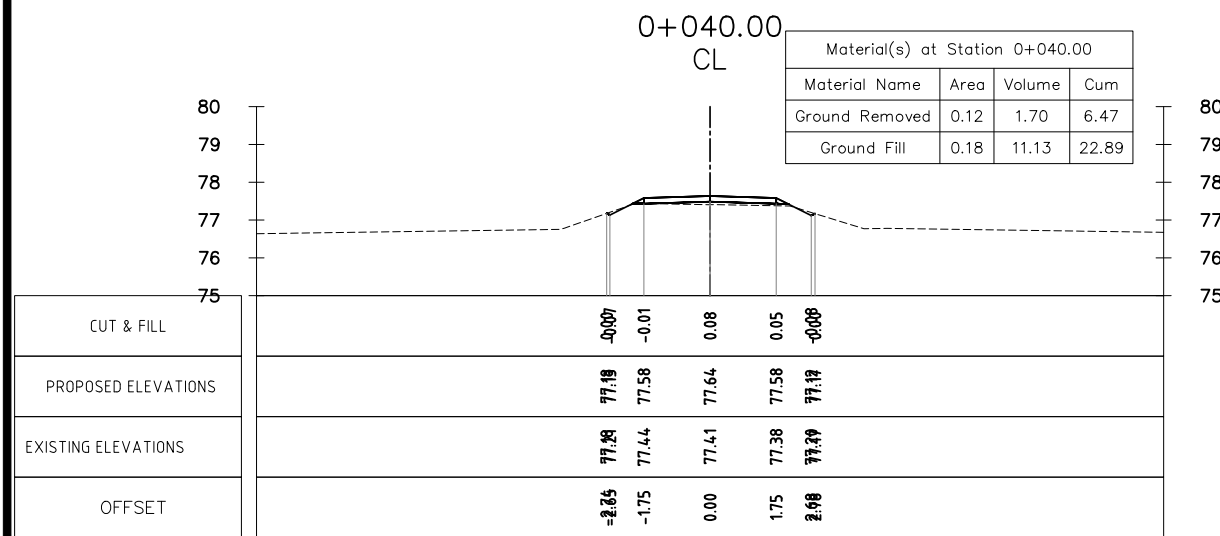
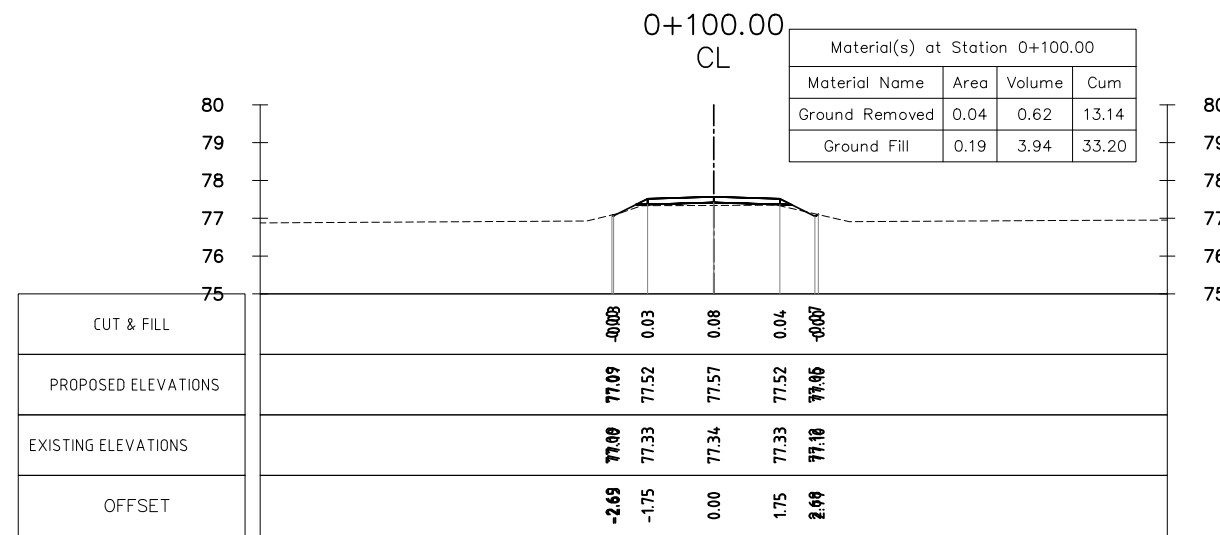
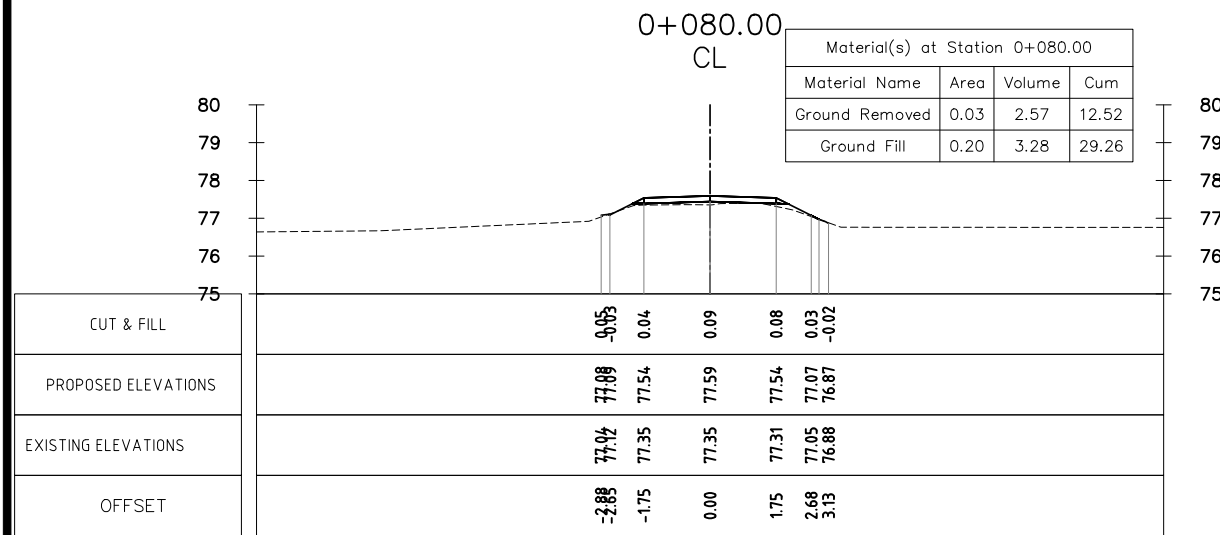
DRAWING TITLE: ACCESS ROAD -A2(IRL-08) PLAN AND PROFILE Sta:km 0+500-0+566.38

SCALE IN A3: H1/1000 V1/100

DATE: \_\_\_\_\_

DRAWING No.: LAO - NKS

C-274



REVISION:		
No.	Description	Date
A	Road Cross-Section	12-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

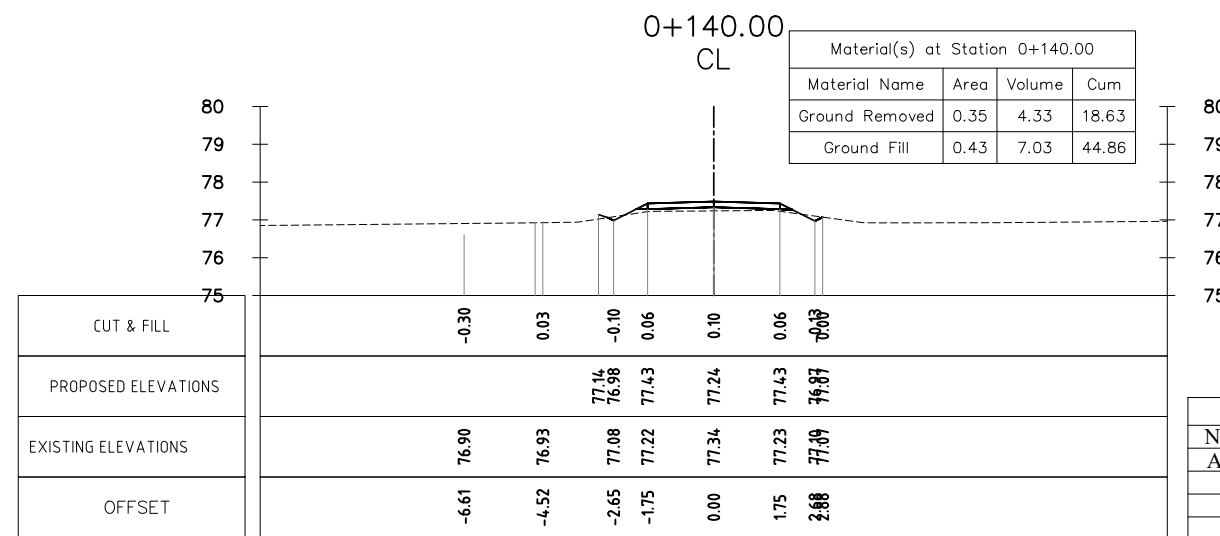
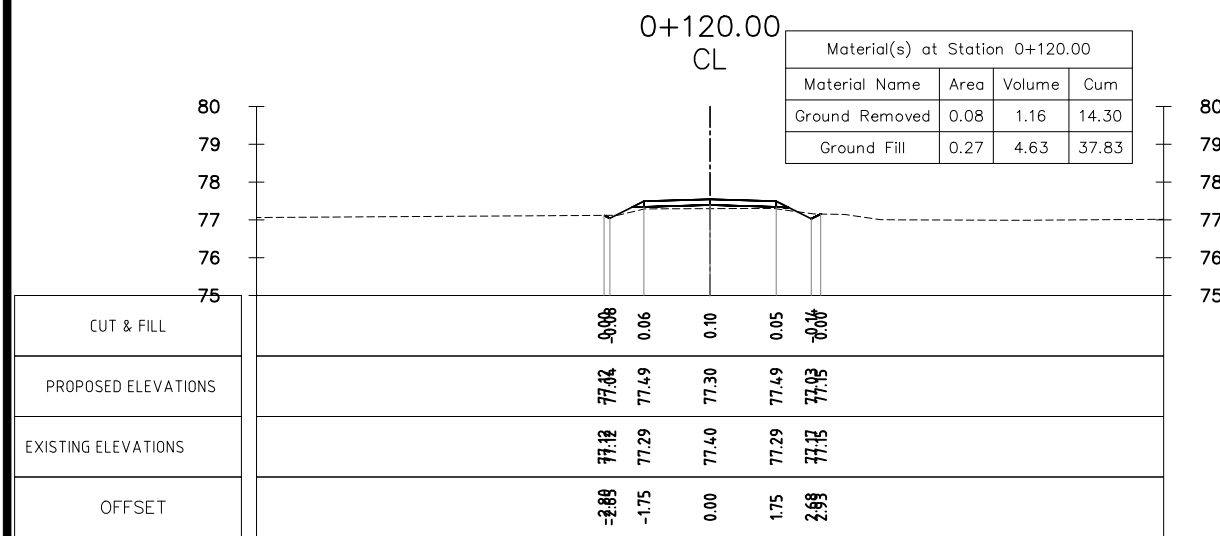
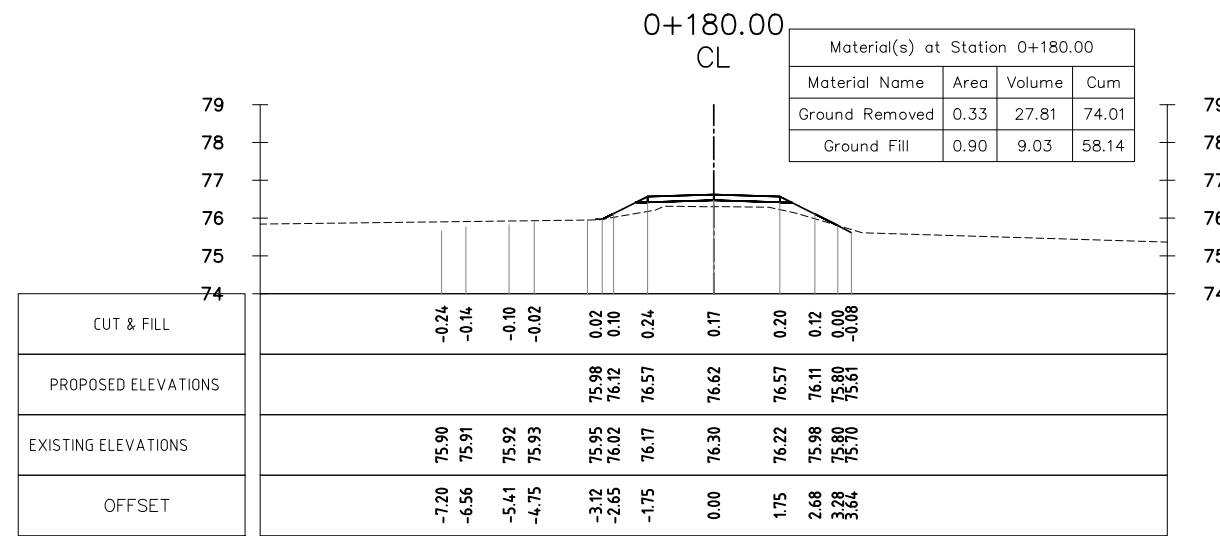
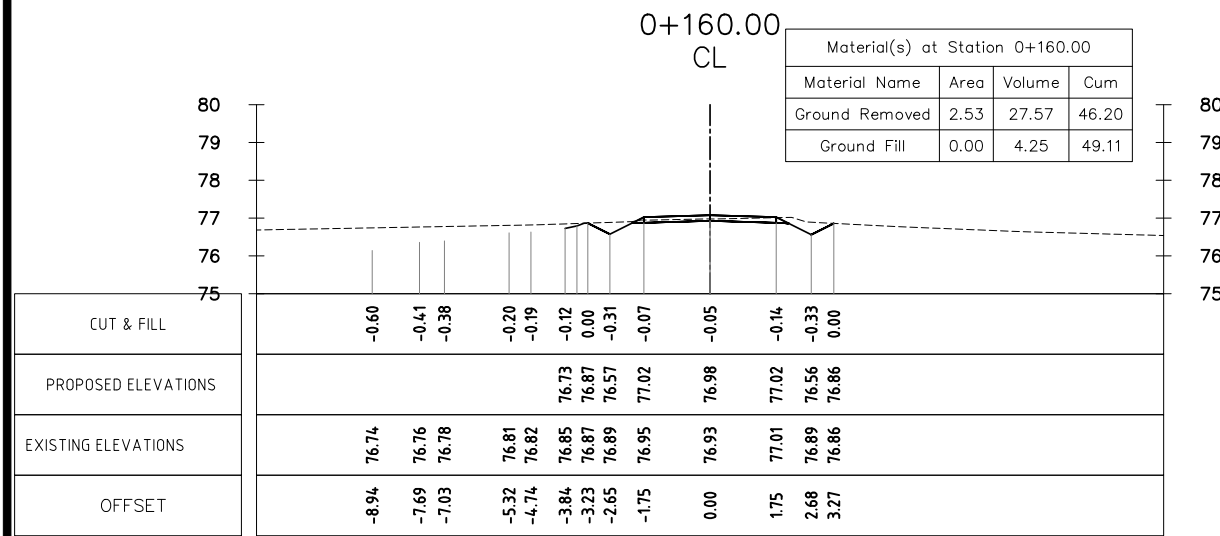
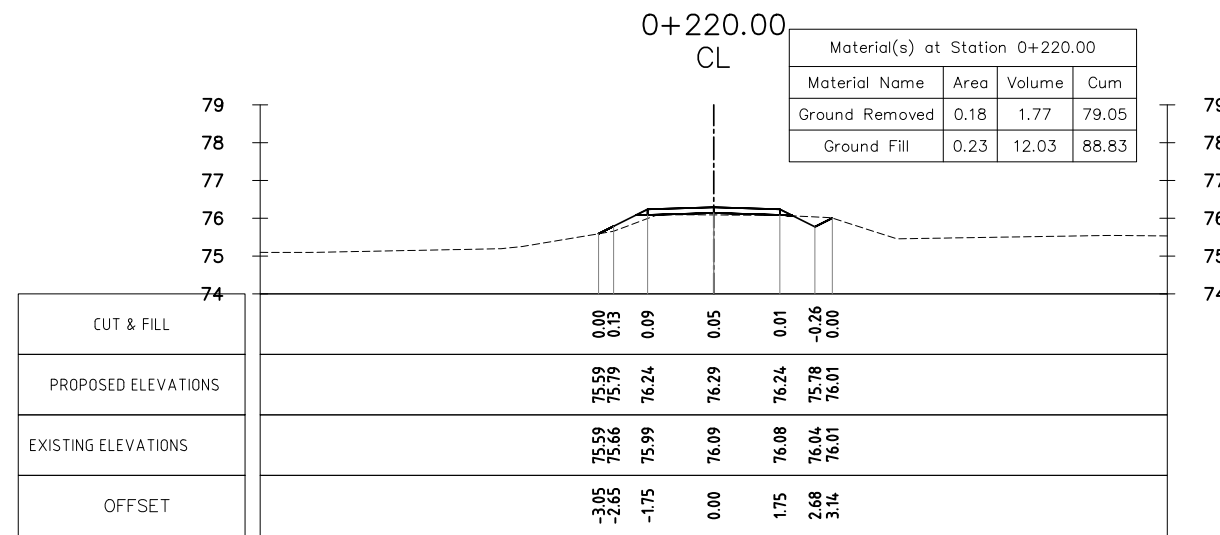
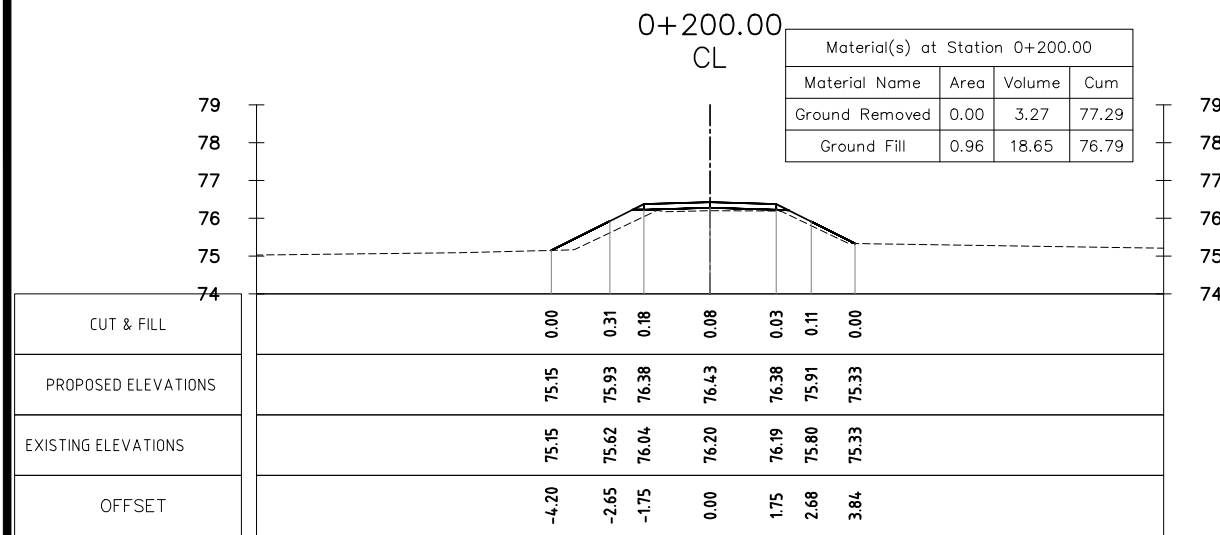
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: ACCESS ROAD -A2(IRL-08) CROSS - SECTION Sta:km 0+000-0+100

SCALE IN A3: 1/200      DATE: \_\_\_\_\_      DRAWING No.: LAO - NKS      C-275



REVISION:		
No.	Description	Date
A	Road Cross-Section	12-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

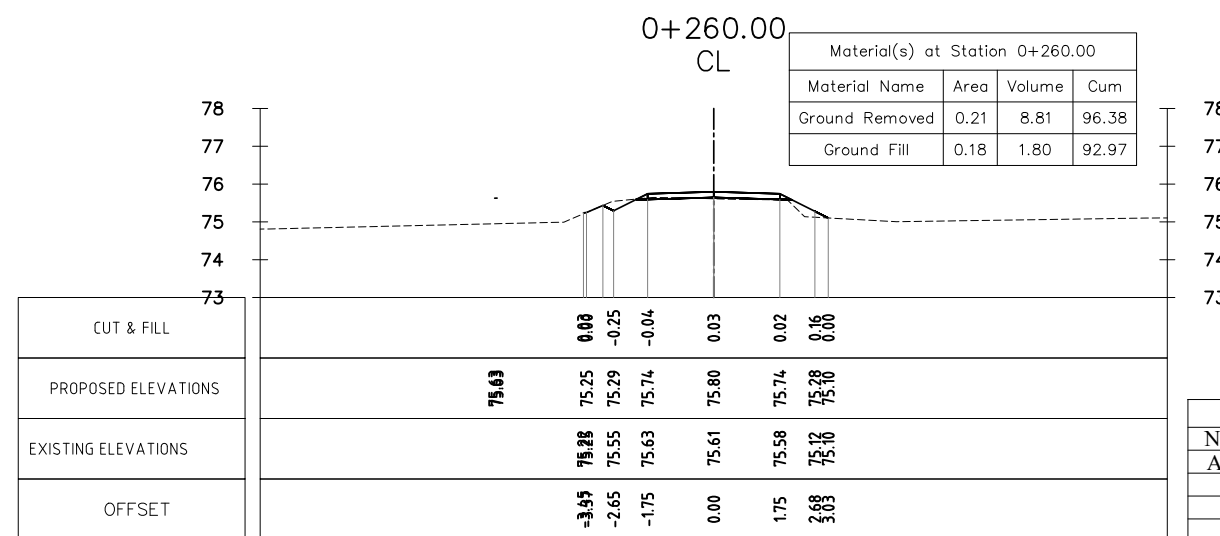
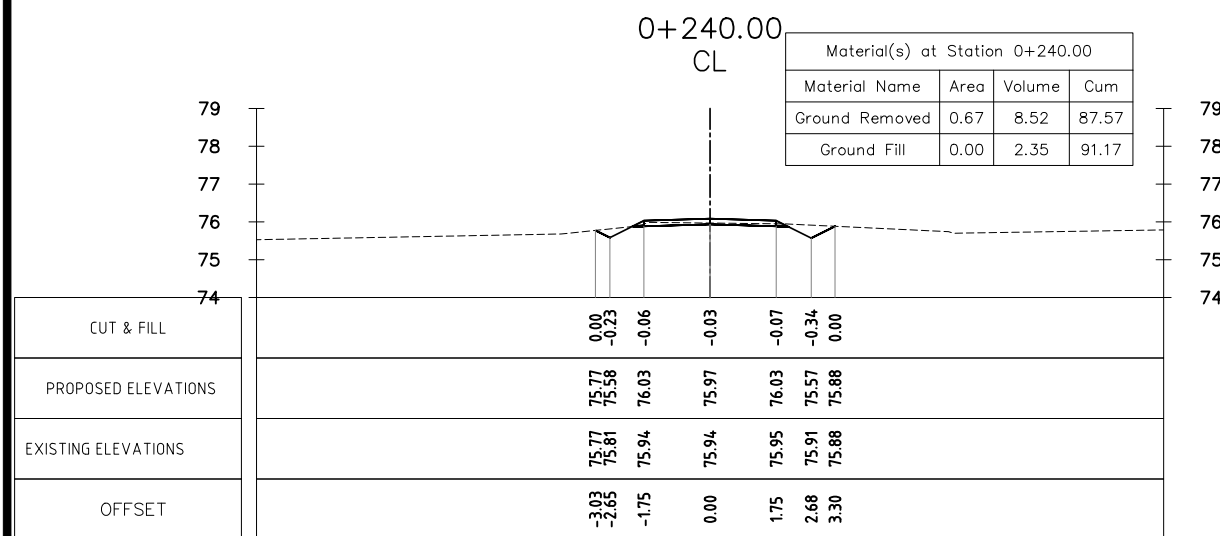
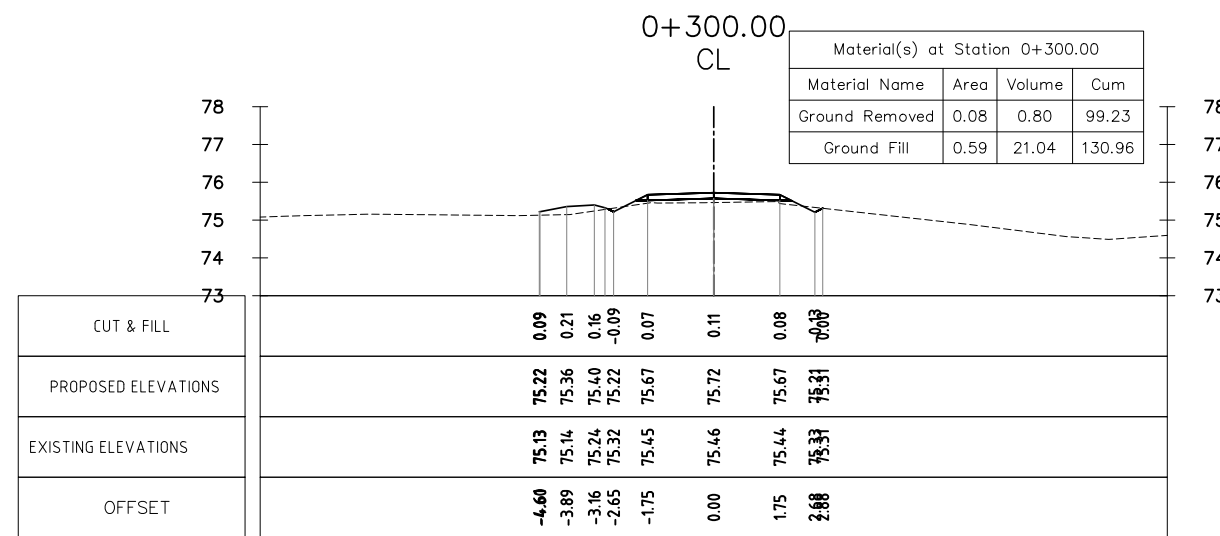
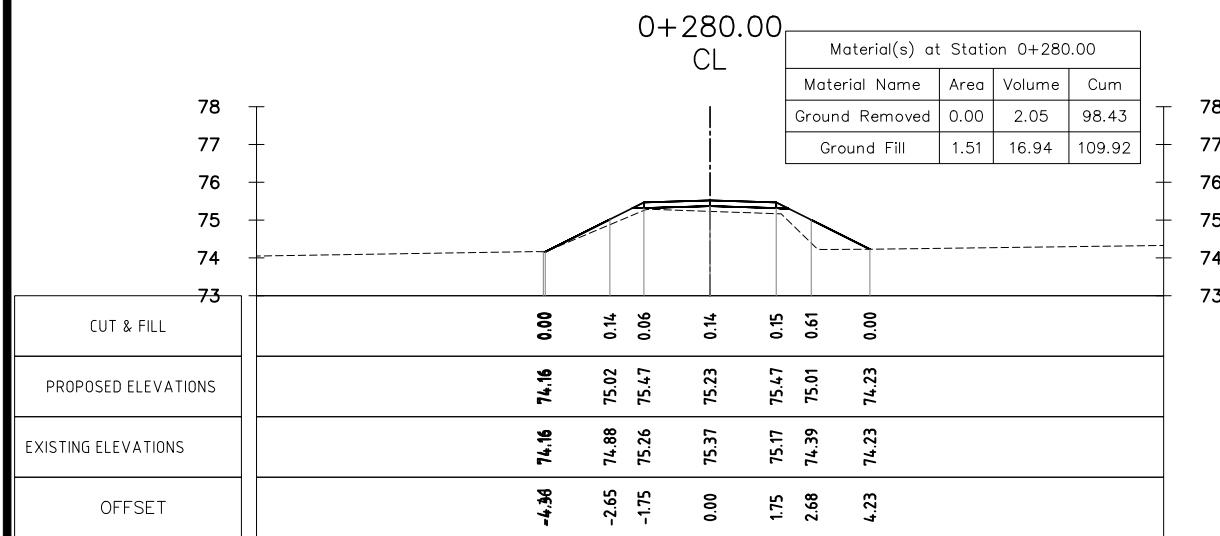
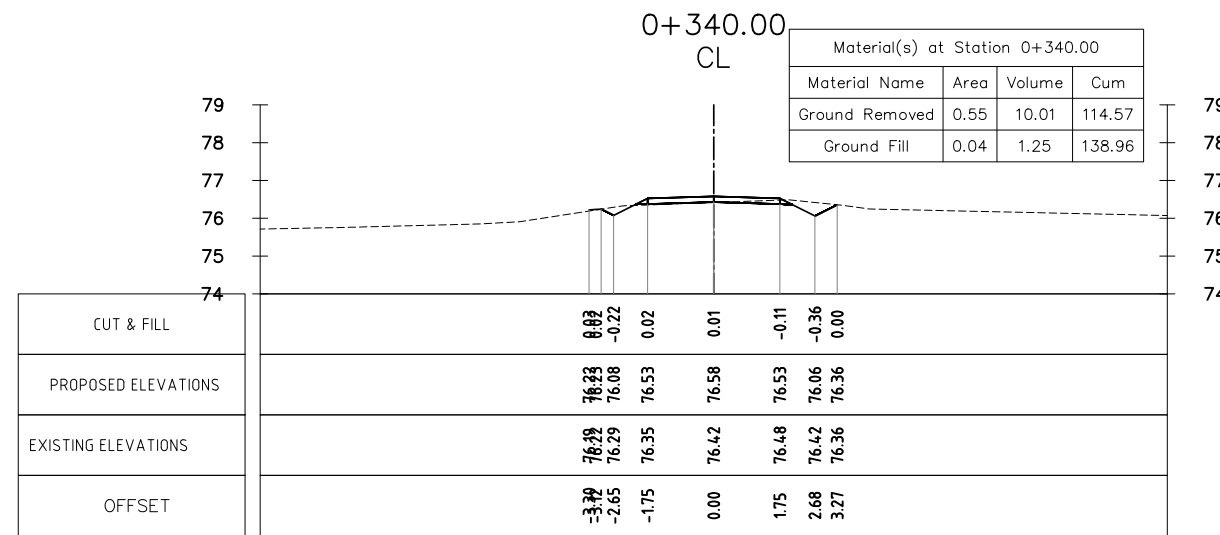
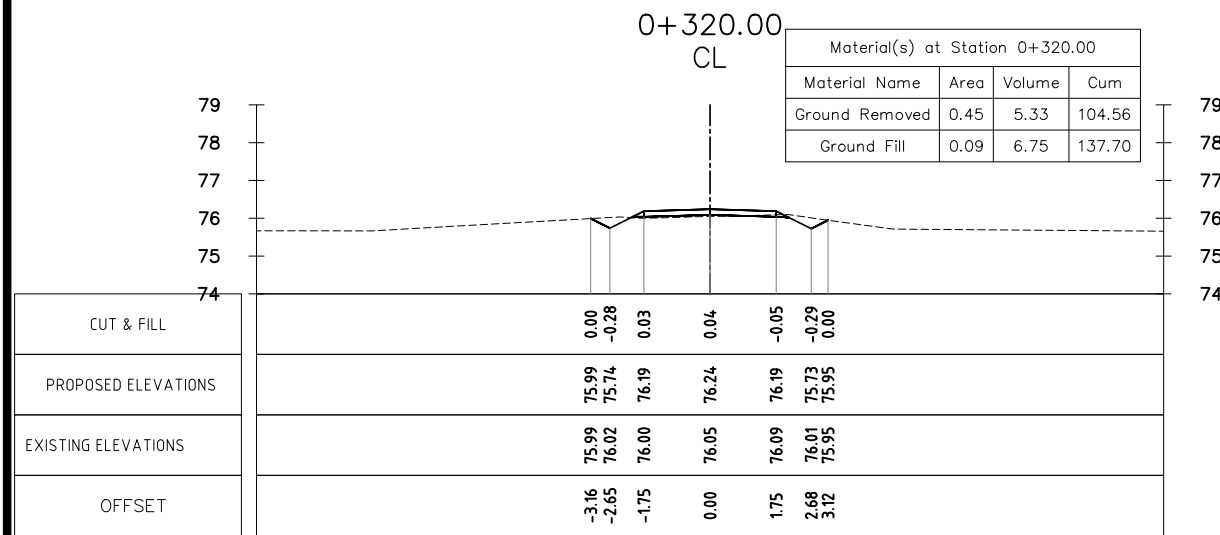


ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : ACCESS ROAD -A2(IRL-08) CROSS - SECTION Sta:km 0+120-0+220			
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-276



REVISION:		
No.	Description	Date
A	Road Cross-Section	12-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

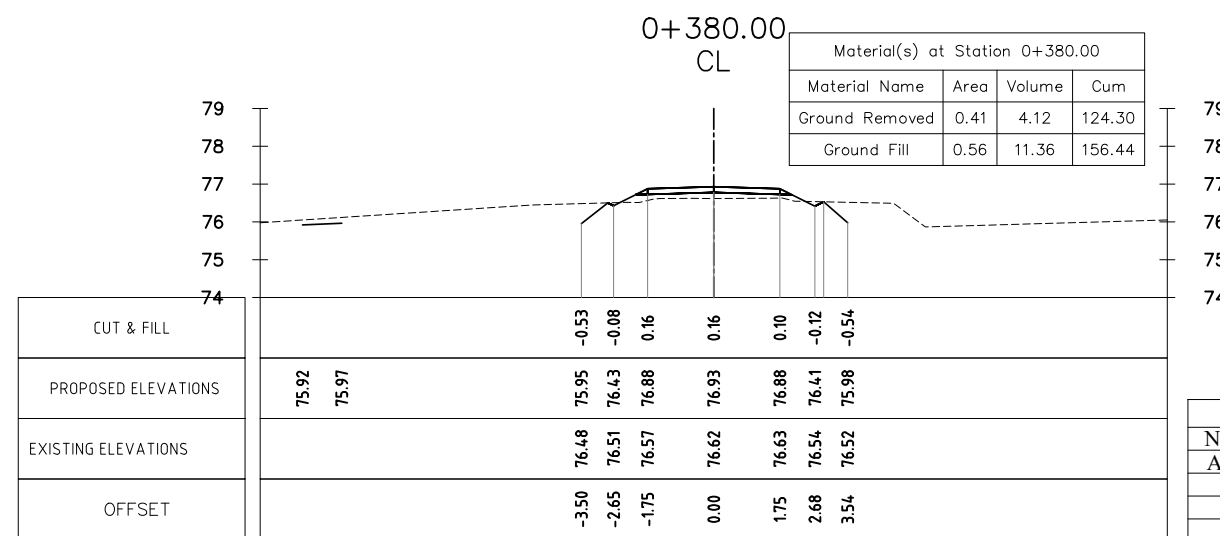
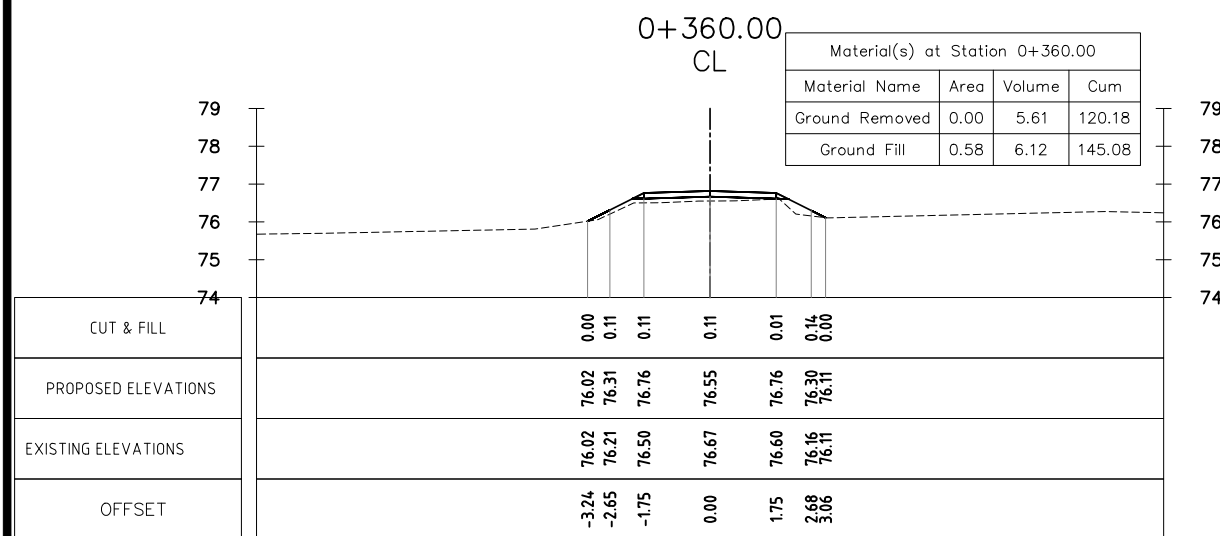
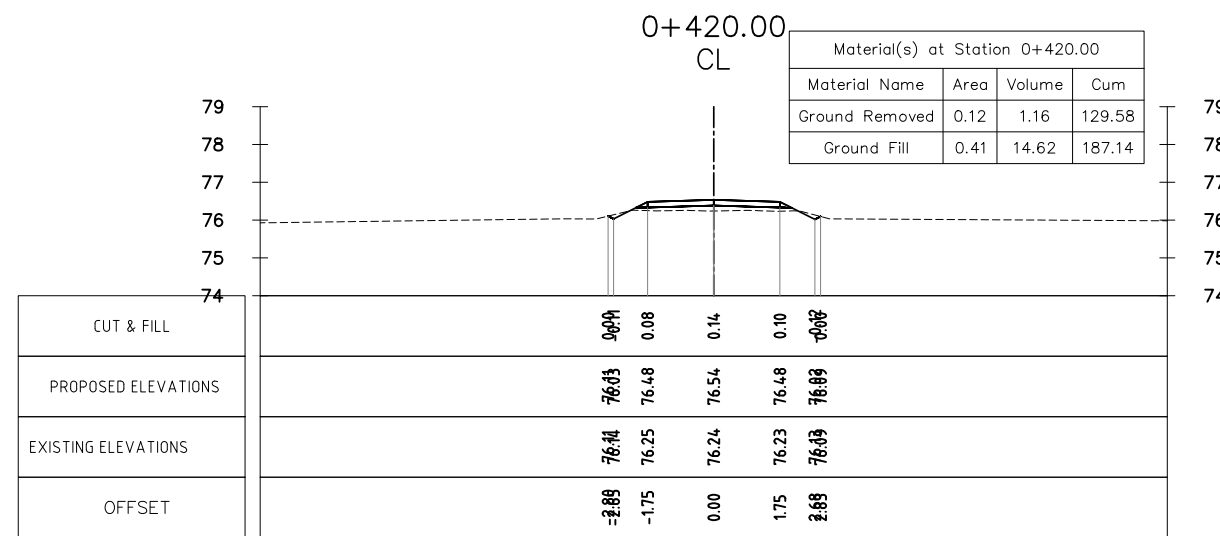
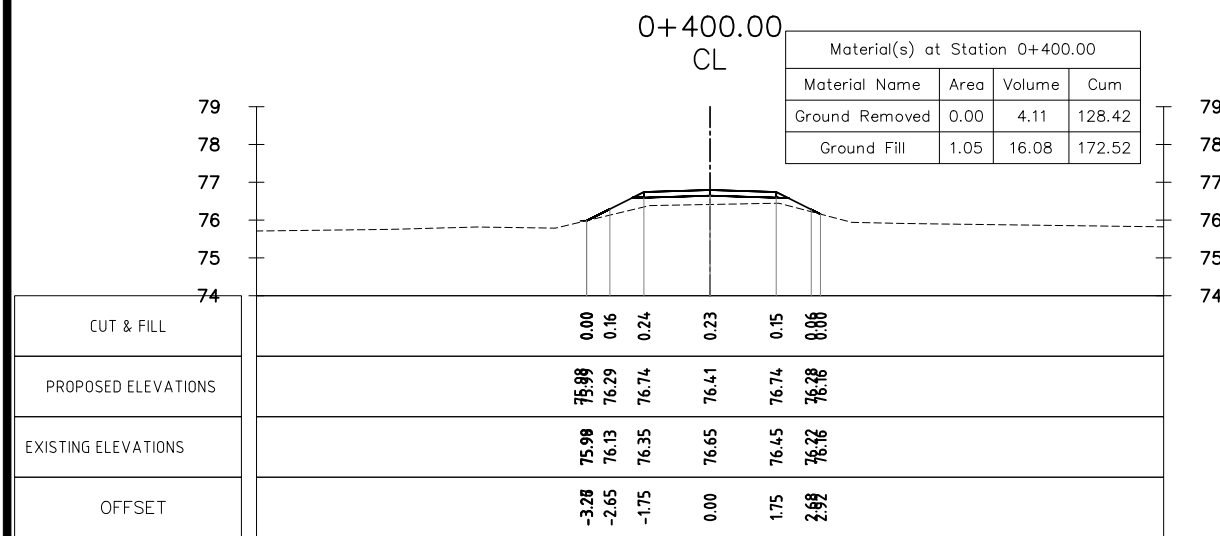
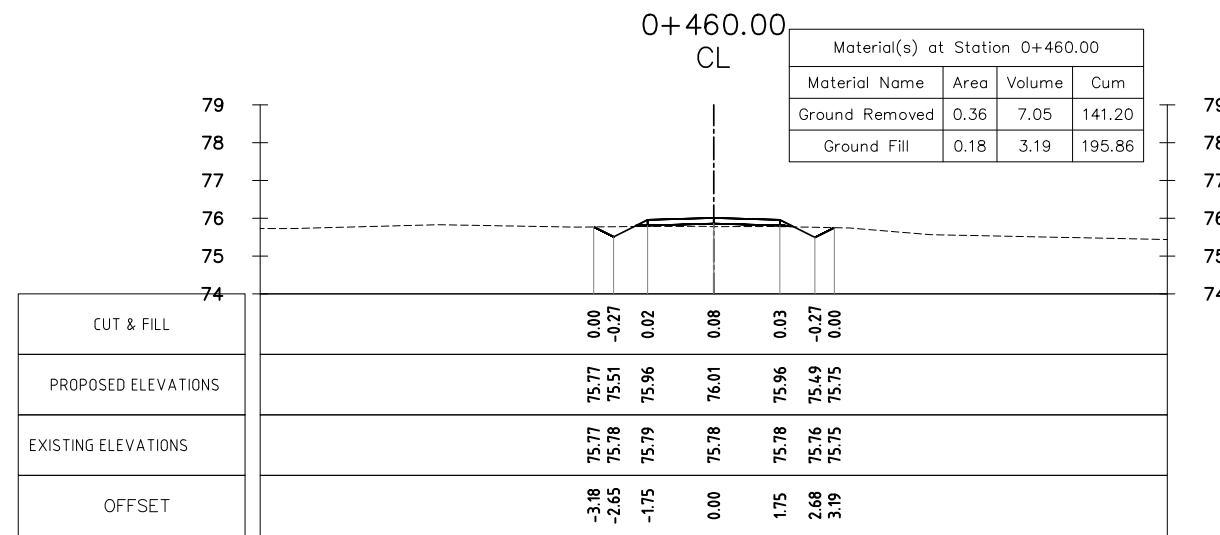
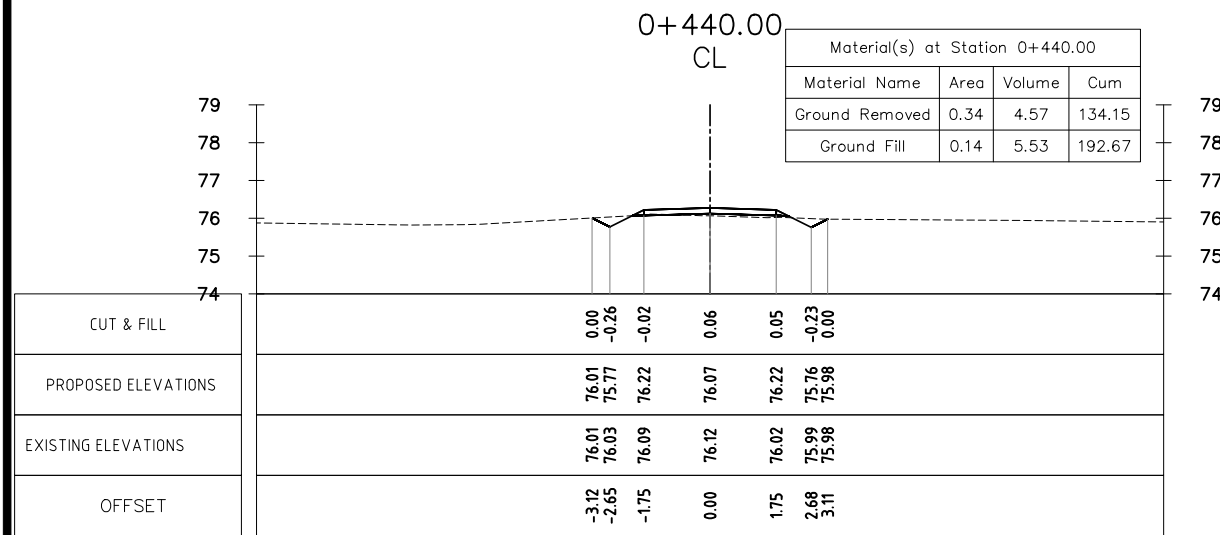
TITLE:  
DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:		A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT	
DRAWING TITLE : ACCESS ROAD -A2(IRL-08) CROSS - SECTION Sta:km 0+240-0+340			
SCALE IN A3:	DATE :	DRAWING No. :	C-277
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Road Cross-Section	12-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:  
DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

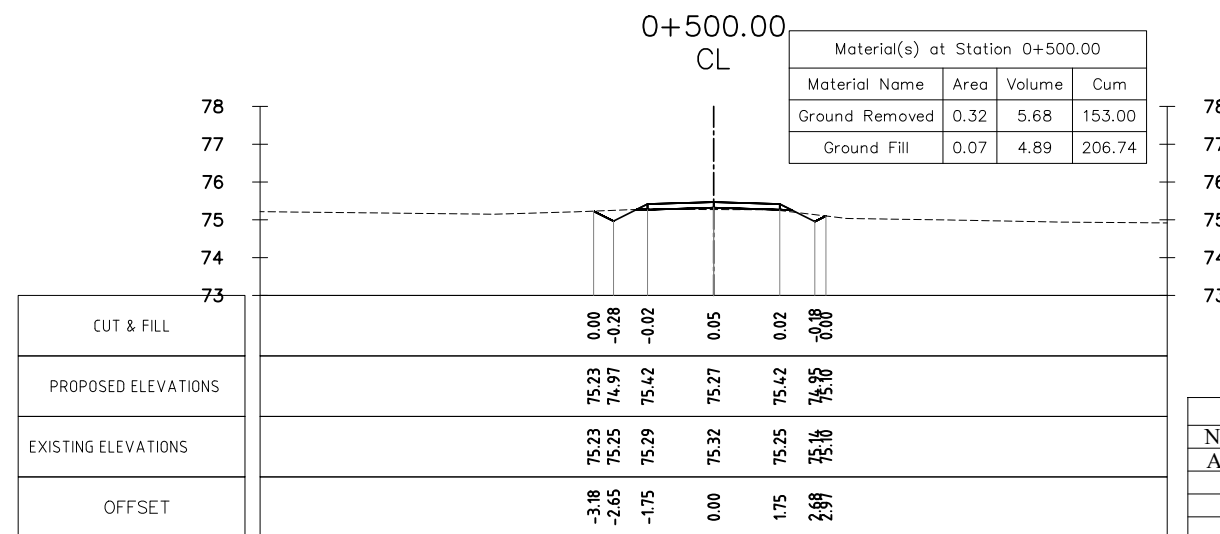
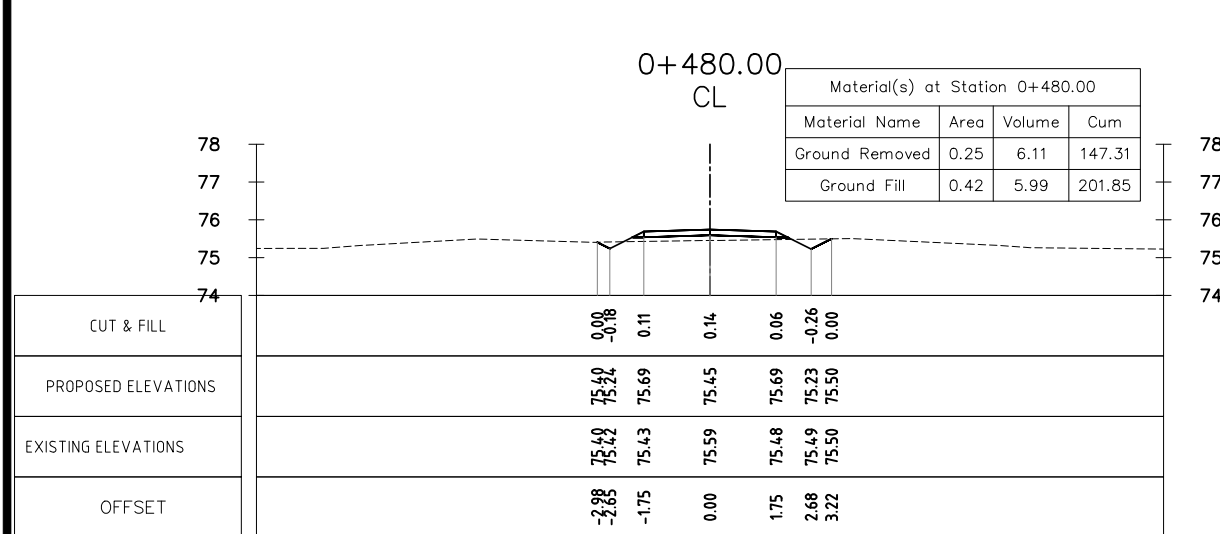
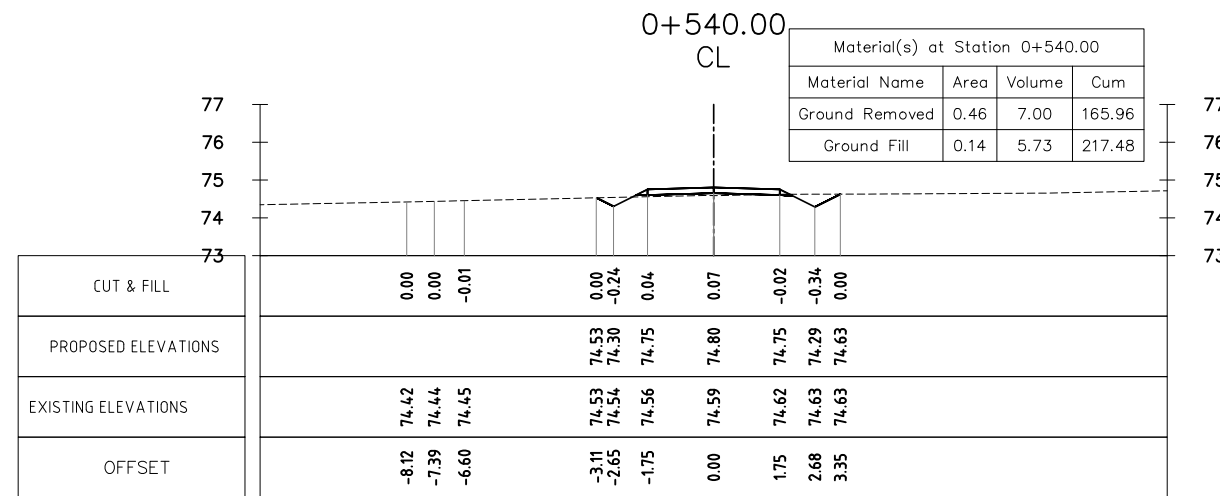
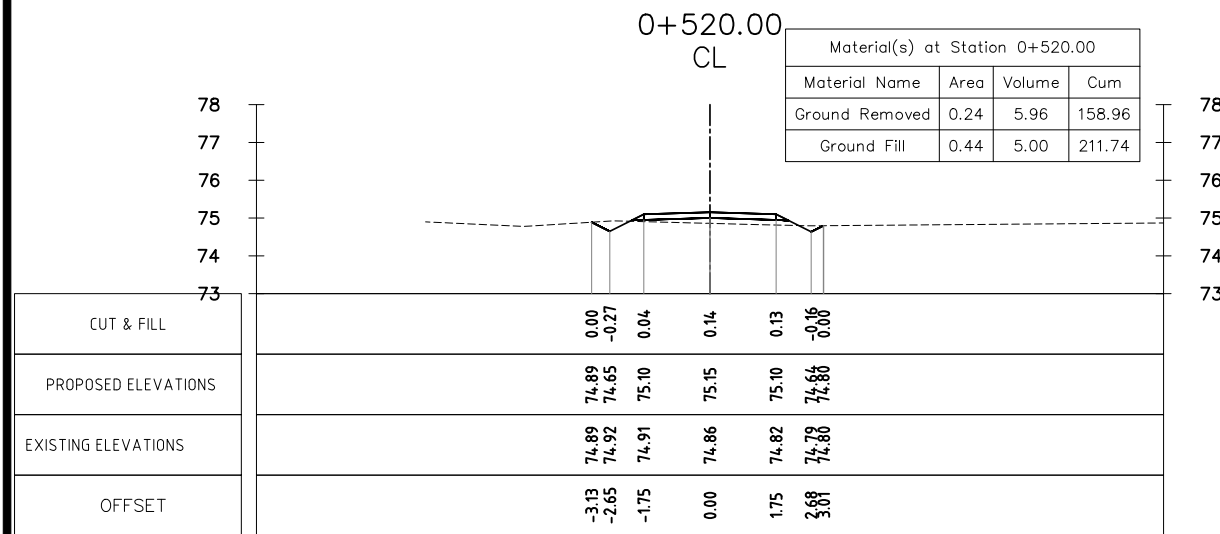
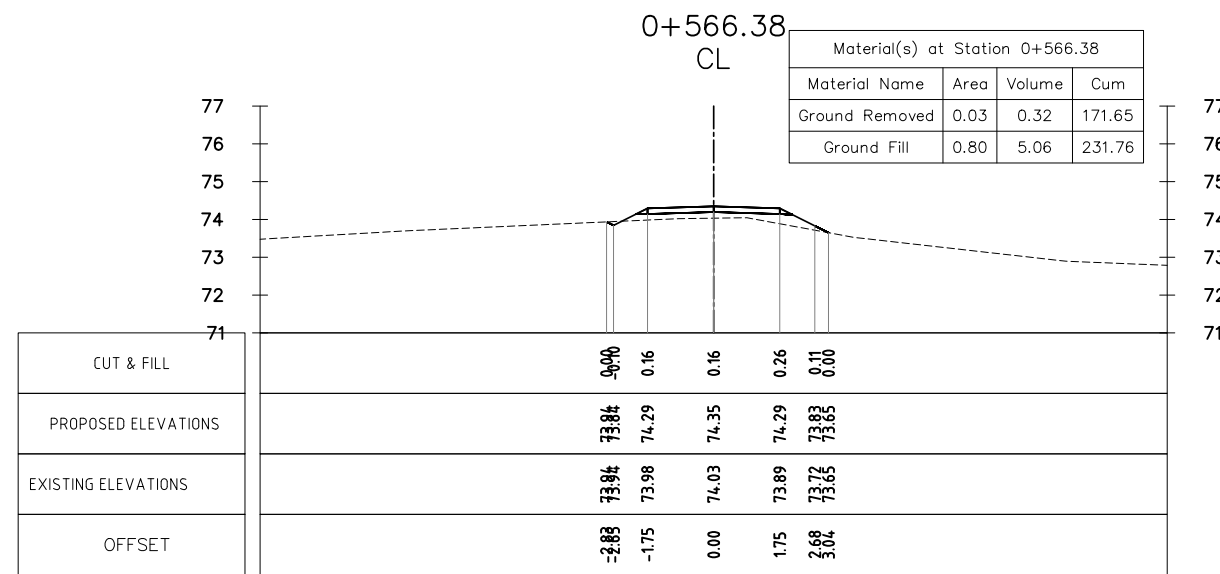
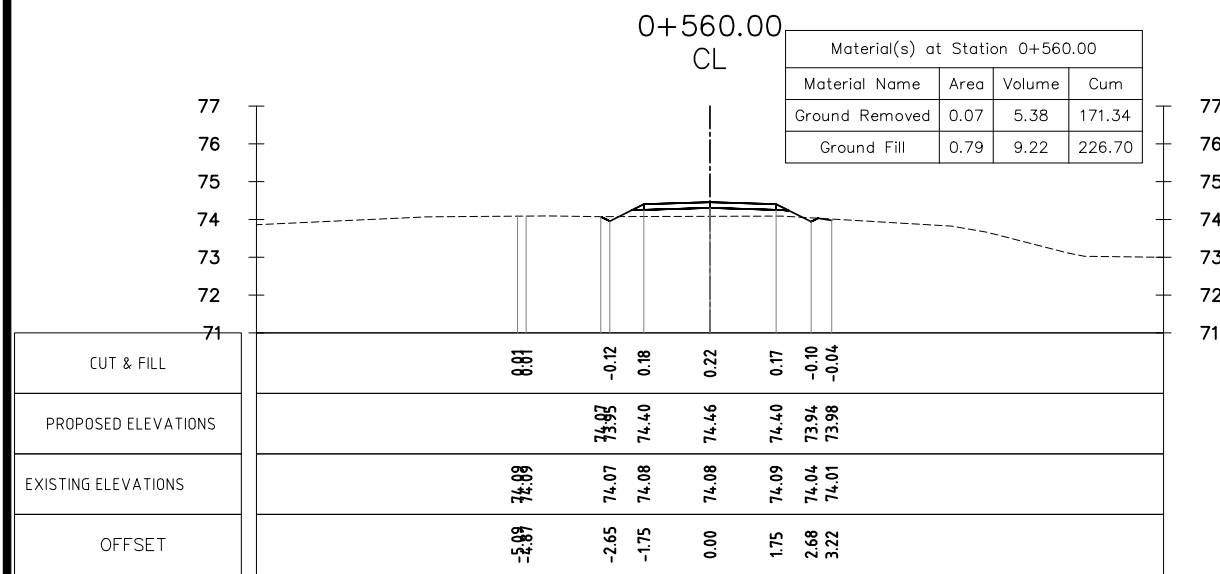
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL-08) CROSS - SECTION Sta:km 0+360-0+460

SCALE IN A3: 1/200 DATE : DRAWING No. : LAO - NKS C-278



REVISION:		
No.	Description	Date
A	Road Cross-Section	12-10-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

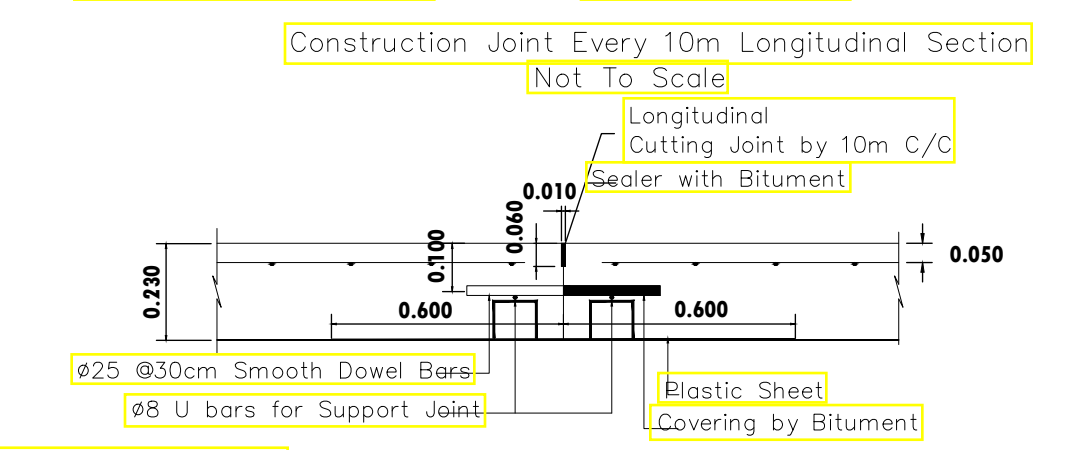
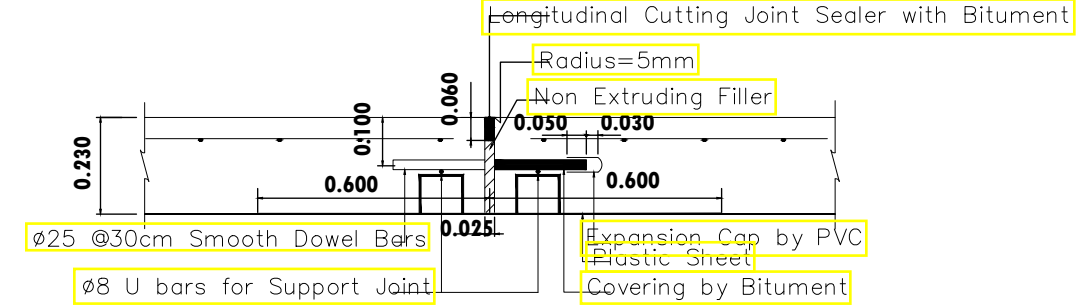
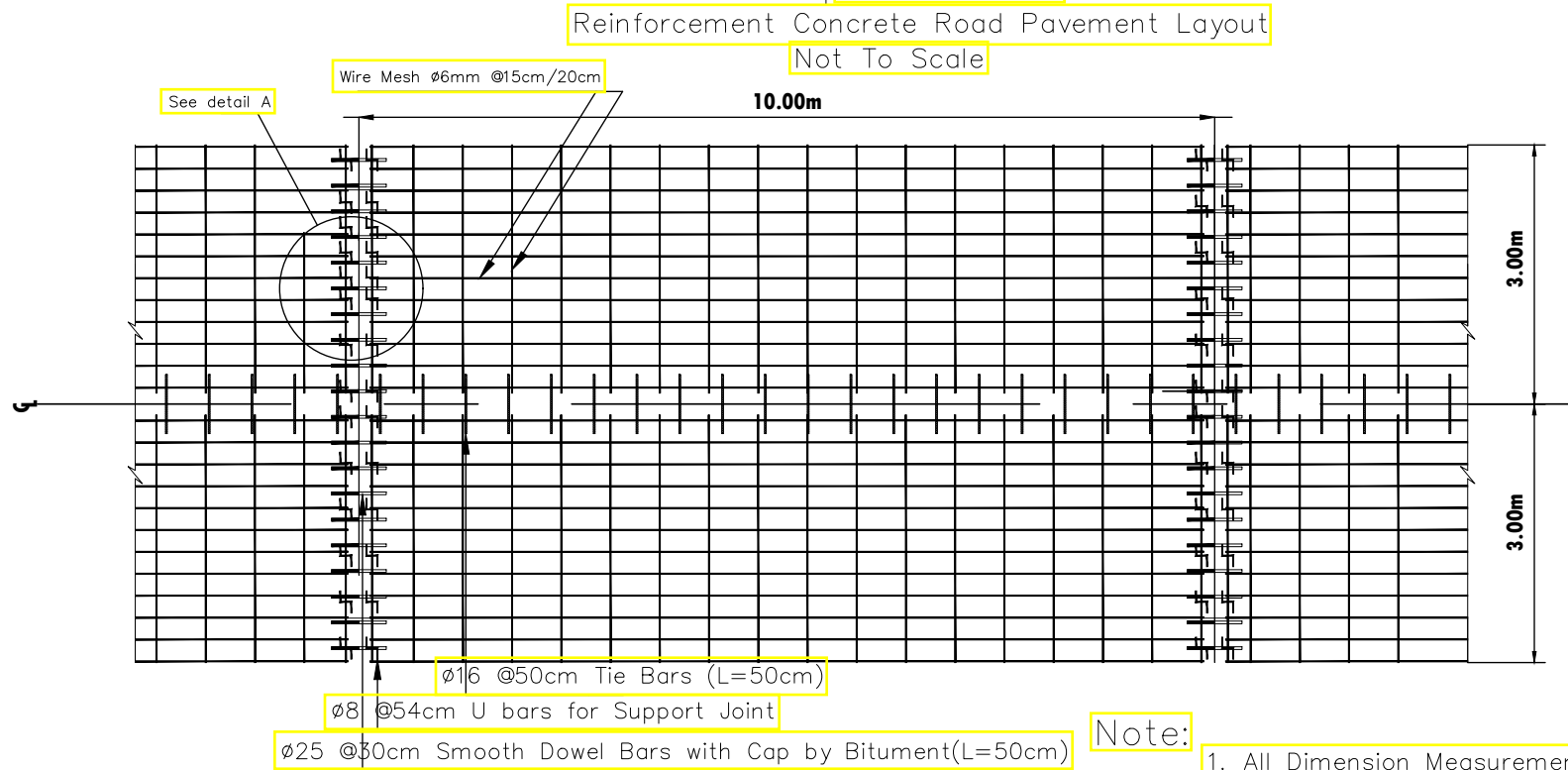
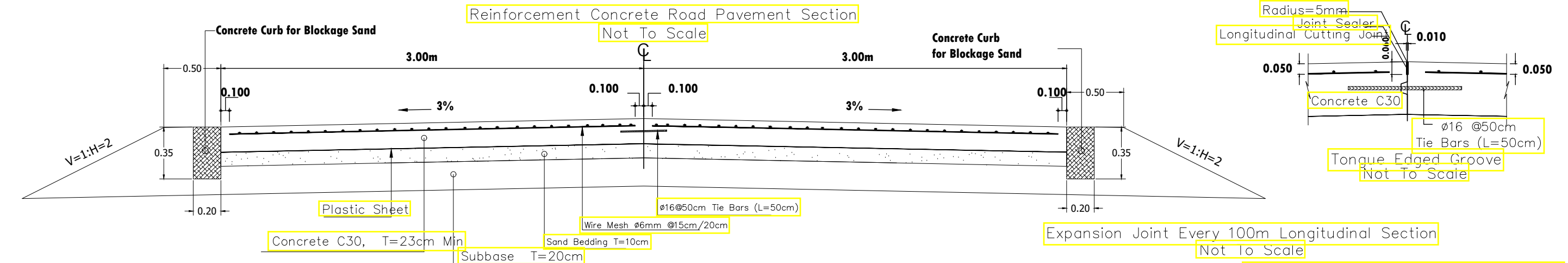
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DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

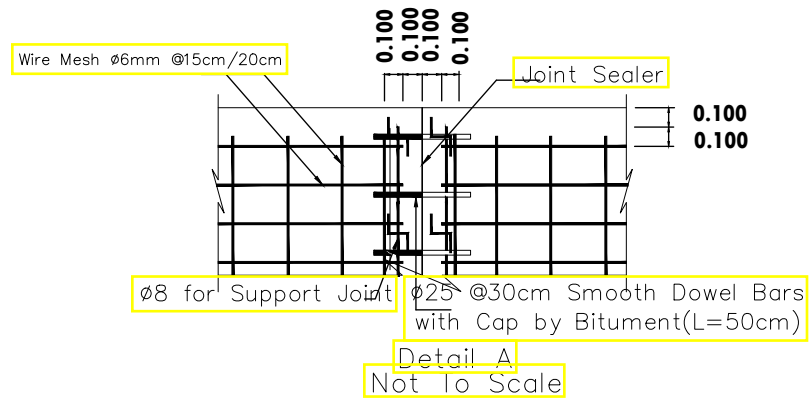
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : ACCESS ROAD -A2(IRL-08) CROSS - SECTION Sta:km 0+480-0+566.38			
SCALE IN A3:	DATE :	DRAWING No. :	
1/200		LAO - NKS	C-279



- Note:**
- All Dimension Measurements in Meter unless otherwise indicated
  - Sealer Joint for Expansion shall be 100 meter interval, if Last section Joint on the Length shall be less than 100 meter
  - Locations Expansion Joint shall be outside of span Bridge or Box Culvert at both sides along Linear of Road Cross-Section
  - Materials for Sealer Expansion Joint shall be stability in hot condition with conforming Standard AASHTO M-173 or ASTM-D3405
  - Materials for Sealer Construction Joint shall conforming Standard AASHTO M213-74 or ASTM.D1751-73
  - Concrete Shall be 30Mpa according Technical Specification
  - Steel Reinforcement shall be high strength of tension with conforming Standard AASHTO M31 as:
    - $\phi > 10\text{mm}$  to be Deformed Bar of Standard AASHTO M31 Grade 60 unless otherwise indicated
    - $\phi < 10\text{mm}$  to be Round Bar of Standard AASHTO M31 Grade 40
  - Plastic Sheets laid in below Concrete slab shall be conforming Standard appropriate as:
    - Thickness of Plastic Sheet shall be not less than 0.07mm with inaccurate not exceed 7%
    - Width of Plastic Sheet shall be not less than 1.20m
    - Plastic Sheet shall be not color and preven water leakage



REVISION:		
No.	Description	Date
A	REINFORCEMENT CONCRETE PAVEMENT DETAIL	7-11-18


Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



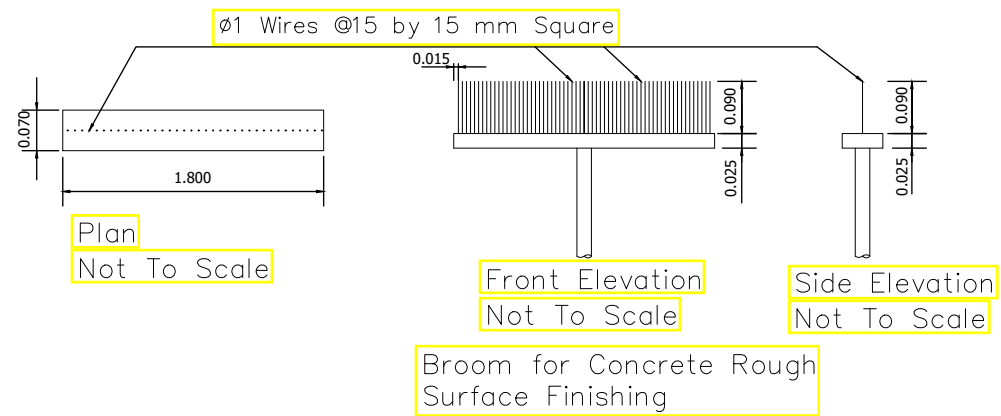
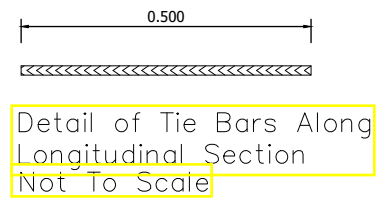
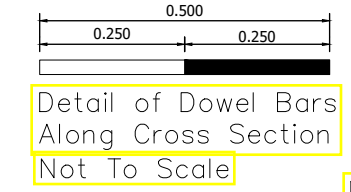
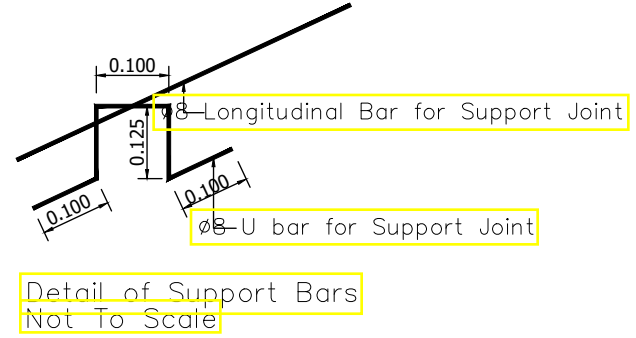
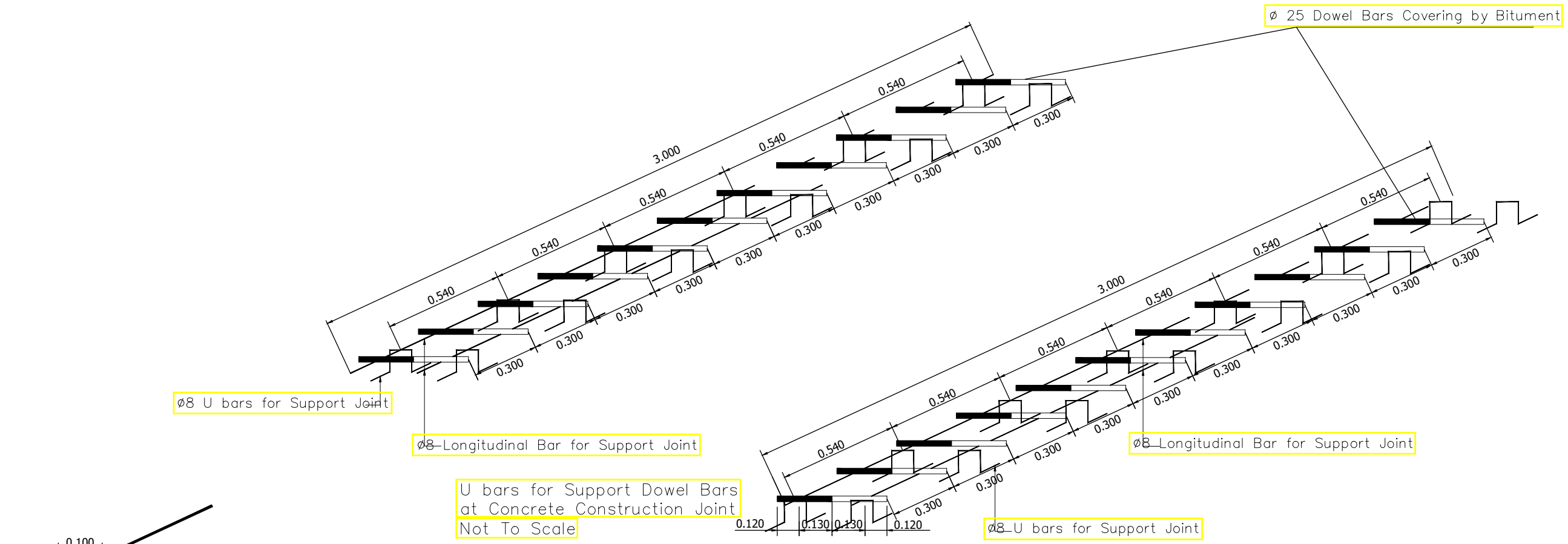
**Norconsult**     ບໍລິສັດ ລາວ-ອາຊຽນ ສິວິດາສ ວິສະວະກຳ ຈຳກັດ ລາວ-ອາຊຽນ ອິນຊີເນີຽງ ຕັກສະຕະ ລາວ ຈຳກັດ

PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD REINFORCEMENT CONCRETE PAVEMENT DETAIL (1)

SCALE IN A3: AS SHOWN	DATE :	DRAWING No. : LAO - NKS	C - 280
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Note:

- All Dimension Measurements in Meter unless otherwise indicated
- Sealer Joint for Expansion shall be 100 meter interval, if Last section Joint on the Length shall be less than 100 meter
- Locations Expansion Joint shall be outside of span Bridge or Box Culvert at both sides along Linear of Road Cross-Section
- Materials for Sealer Expansion Joint shall be stability in hot condition with conforming Standard AASHTO M-173 or ASTM-D3405
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- Concrete Shall be 30Mpa according Technical Specification
- Steel Reinforcement shall be high strength of tension with conforming Standard AASHTO M31 as:
  - $\phi > 10\text{mm}$  to be Deformed Bar of Standard AASHTO M31 Grade 60 unless otherwise indicated
  - $\phi < 10\text{mm}$  to be Round Bar of Standard AASHTO M31 Grade 40
- Plastic Sheets laid in below Concrete slab shall be conforming Standard appropriate as:
  - Thickness of Plastic Sheet shall be not less than 0.07mm with inaccuracy not exceed 7%
  - Width of Plastic Sheet shall be not less than 1.20m
  - Plastic Sheet shall be not color and preven water leakage

REVISION:		
No.	Description	Date
A	REINFORCEMENT CONCRETE PAVEMENT DETAIL	7-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

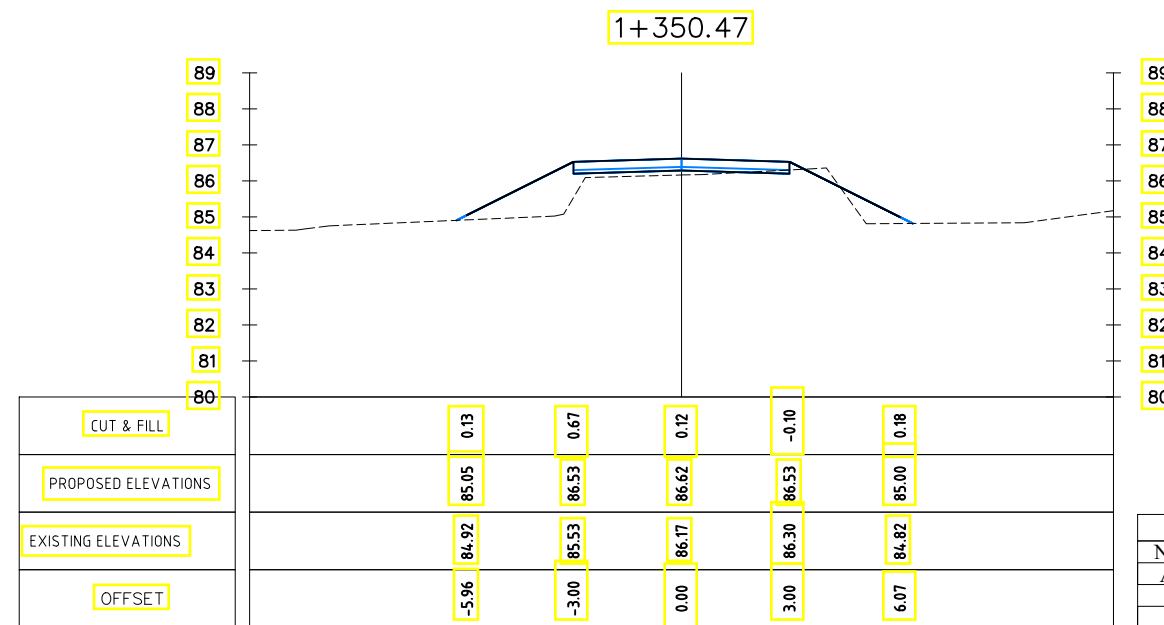
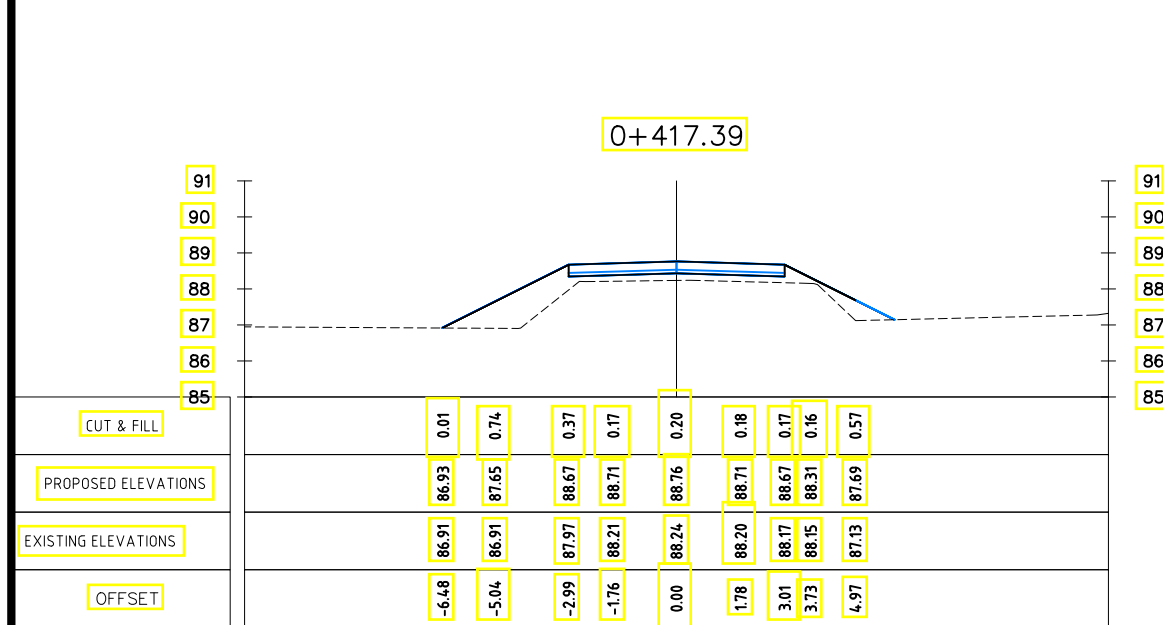
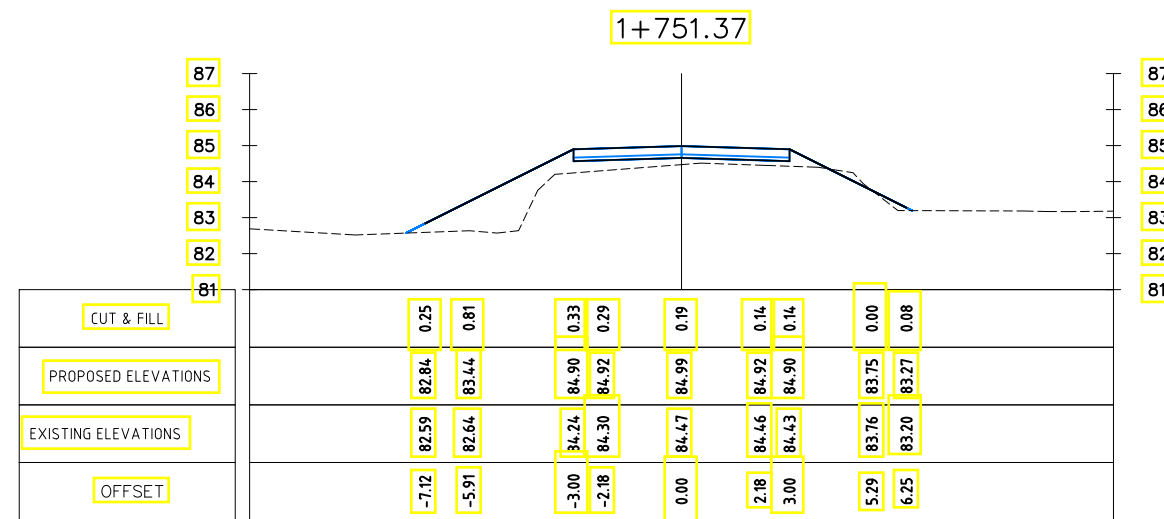
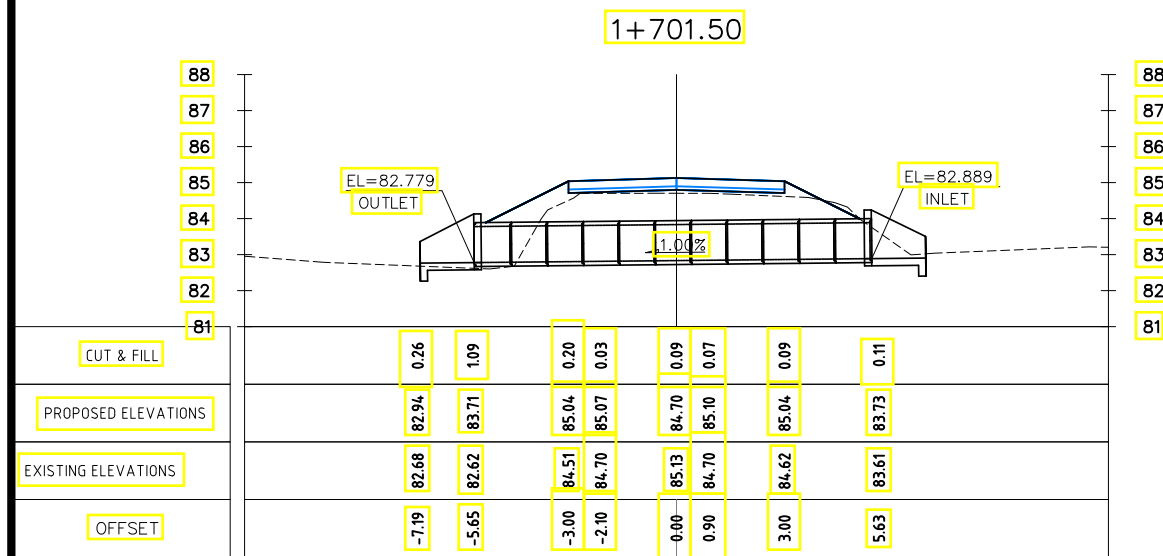


PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD REINFORCEMENT CONCRETE PAVEMENT DETAIL (2)

SCALE IN A3: AS SHOWN	DATE :	DRAWING No. : LAO - NKS	C - 281
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# IV. PIPE CULVERT



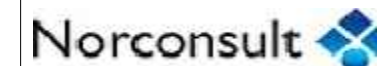
REVISION:		
No.	Description	Date
A	Cross-Section Of Culvert	23-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

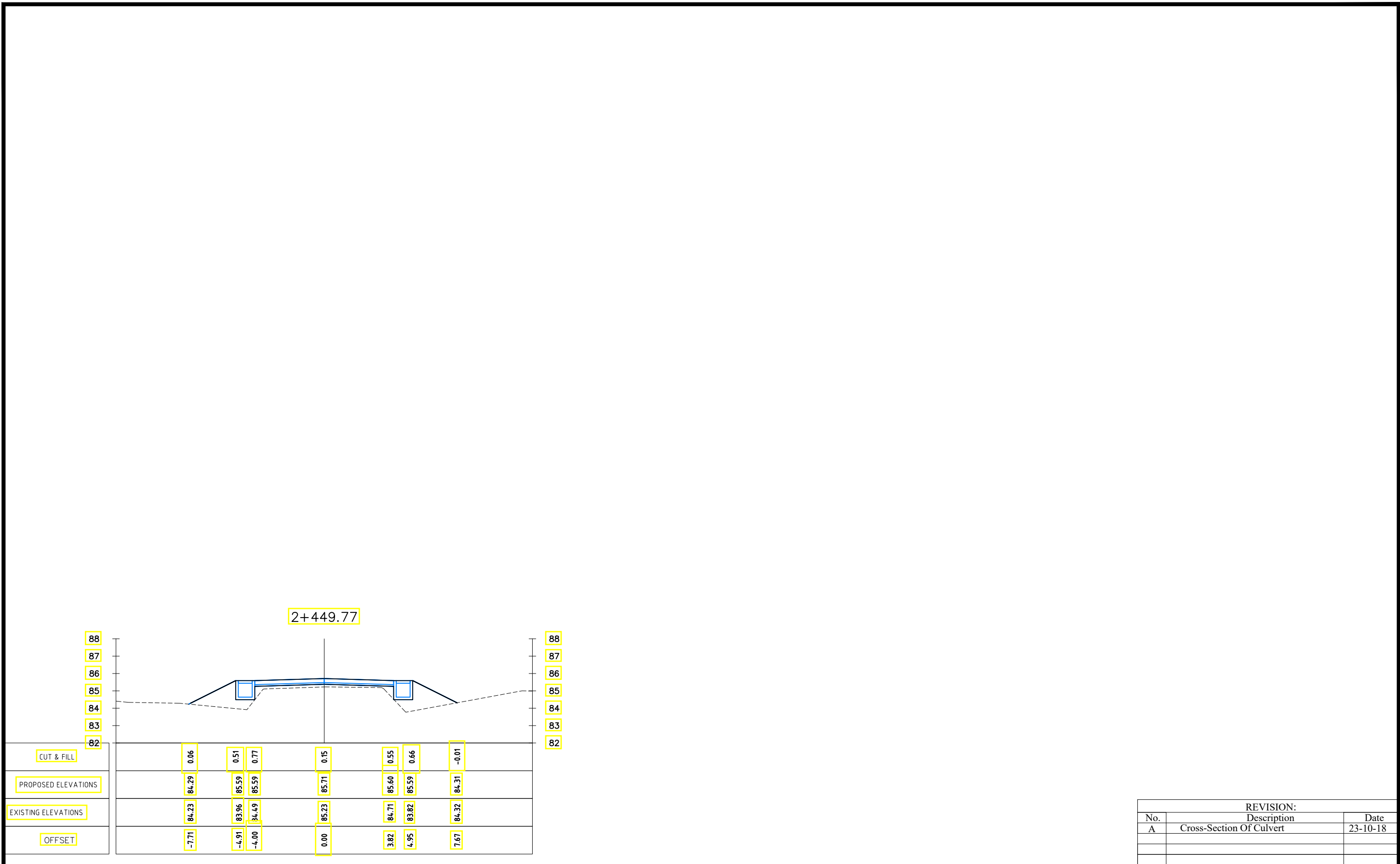
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM







PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

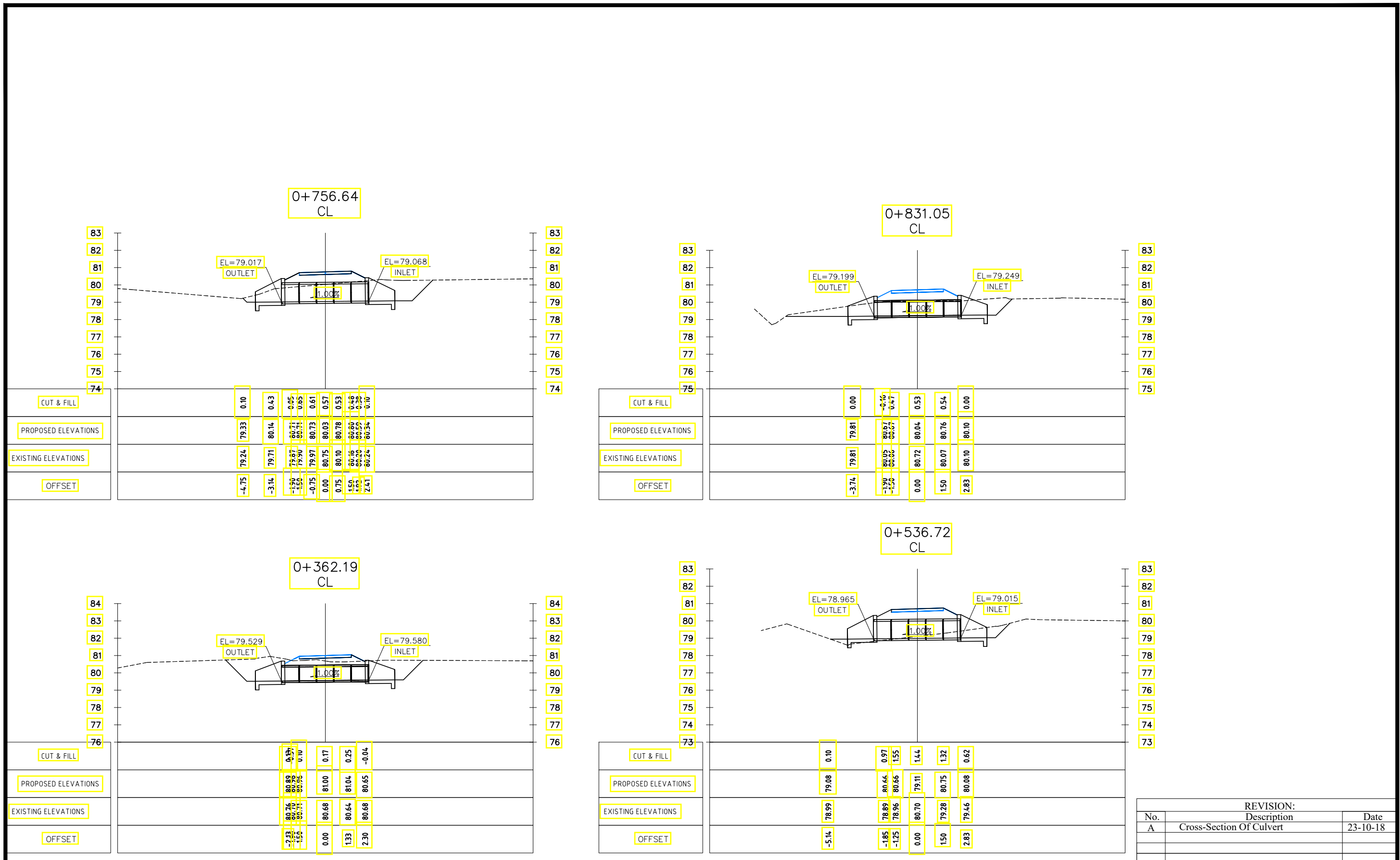
DRAWING TITLE : NAKASANG ROAD -A1 CROSS SECTION OF CULVERT

SCALE A3: 1/200	DATE :	DRAWING No. : LAO - NKS	PC-01
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REVISION:		
No.	Description	Date
A	Cross-Section Of Culvert	23-10-18

Designed: TO Drawing: SS Checked: JEFJ Reviewed: _____  TITLE: _____  DATE: _____	ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT Project-Lao PDR  LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR) MINISTRY OF INFORMATION, CULTURE & TOURISM 	  	
		PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT DRAWING TITLE : NAKASANG ROAD -A1 CROSS SECTION OF CULVERT SCALE A3: 1/200      DATE : _____      DRAWING No. : LAO - NKS      PC-02	




REVISION:		
No.	Description	Date
A	Cross-Section Of Culvert	23-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

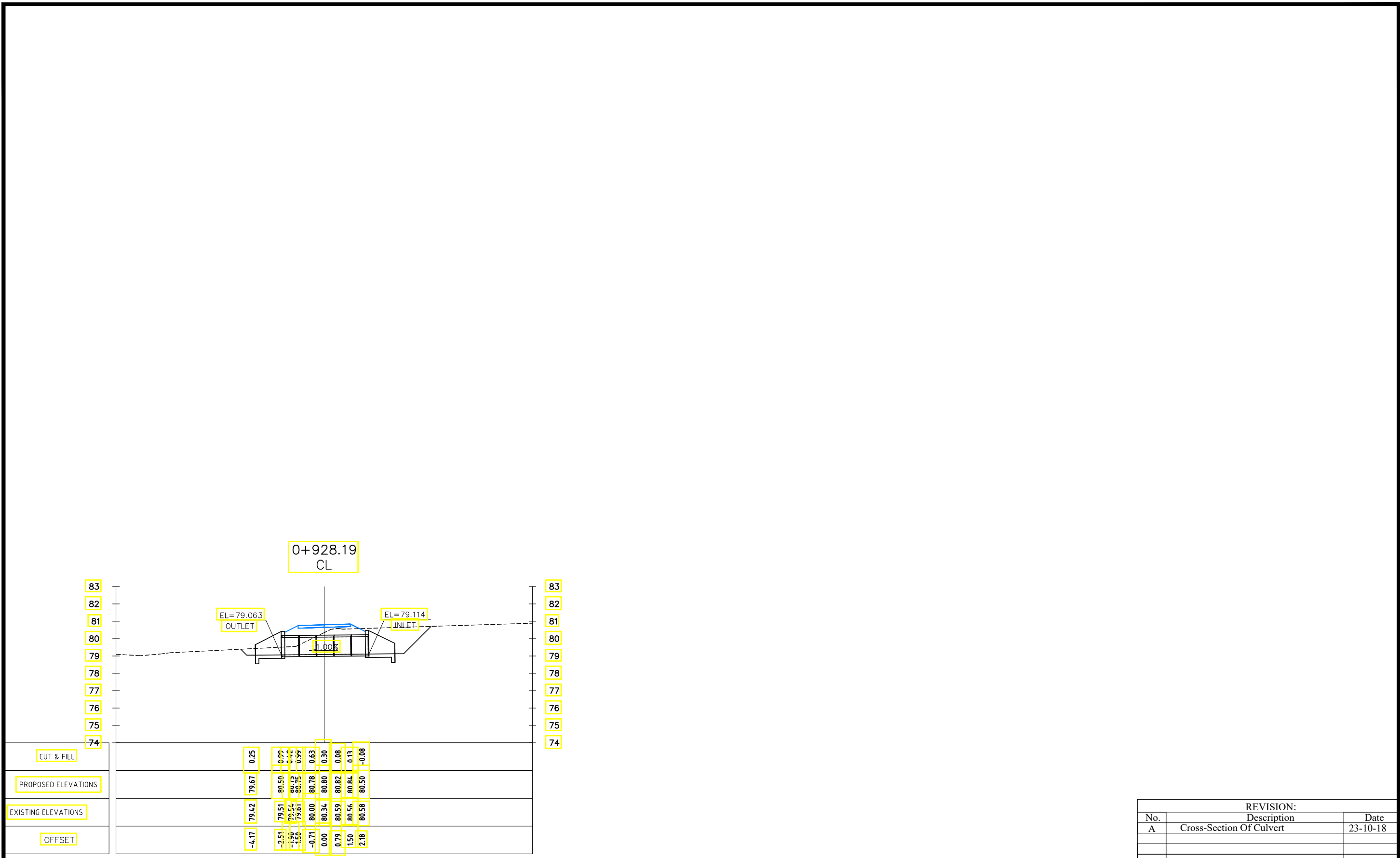





PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT


DRAWING TITLE : ACCESS ROAD -A2(IRL01) CROSS SECTION OF CULVERT

SCALE A3: 1/200	DATE :	DRAWING No. : LAO - NKS	PC-03
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REVISION:		
No.	Description	Date
A	Cross-Section Of Culvert	23-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_  
  
 TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

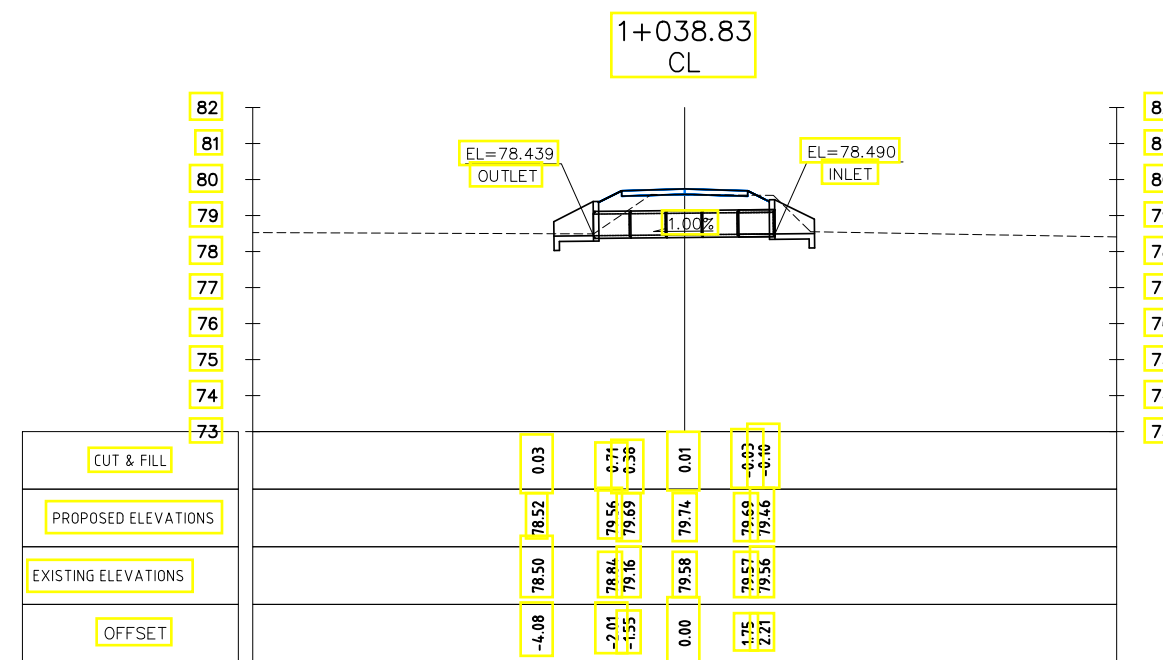
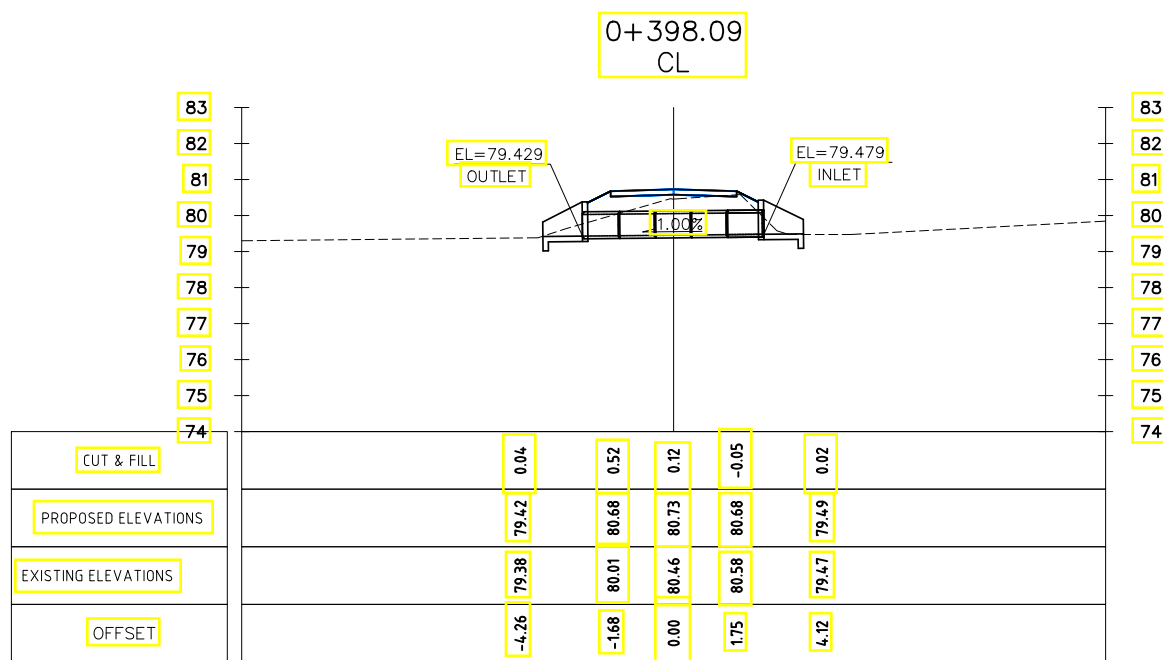
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR  
  
 LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT  
 DRAWING TITLE : ACCESS ROAD -A2(IRL01) CROSS SECTION OF CULVERT  
 SCALE A3: 1/200      DATE :      DRAWING No. : LAO - NKS      PC-04



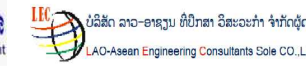
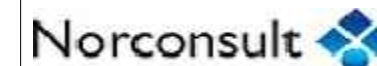
REVISION:		
No.	Description	Date
A	Cross-Section Of Culvert	23-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

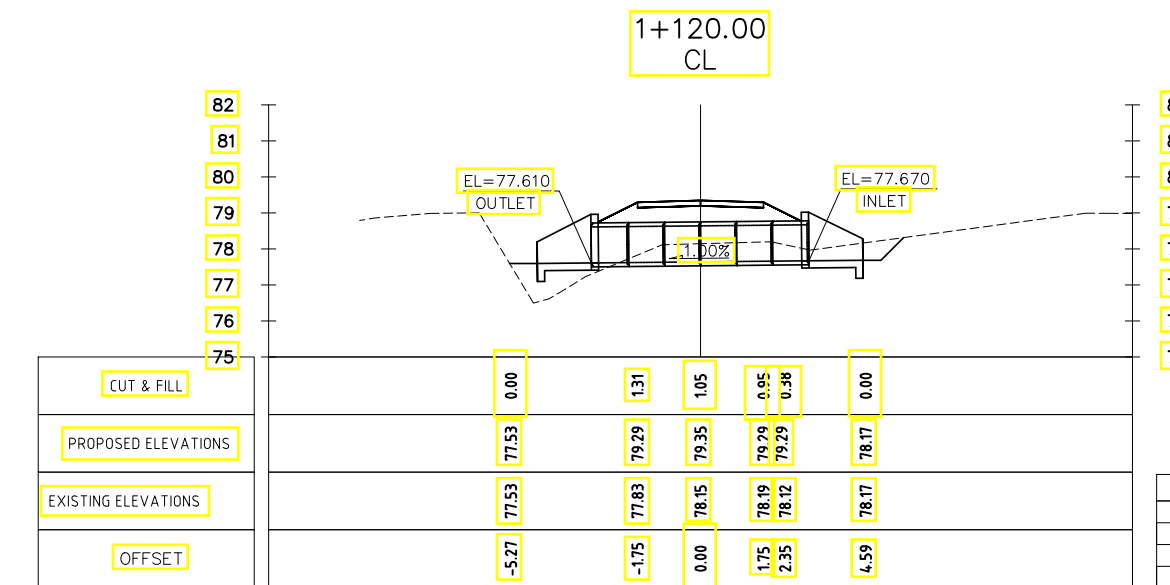
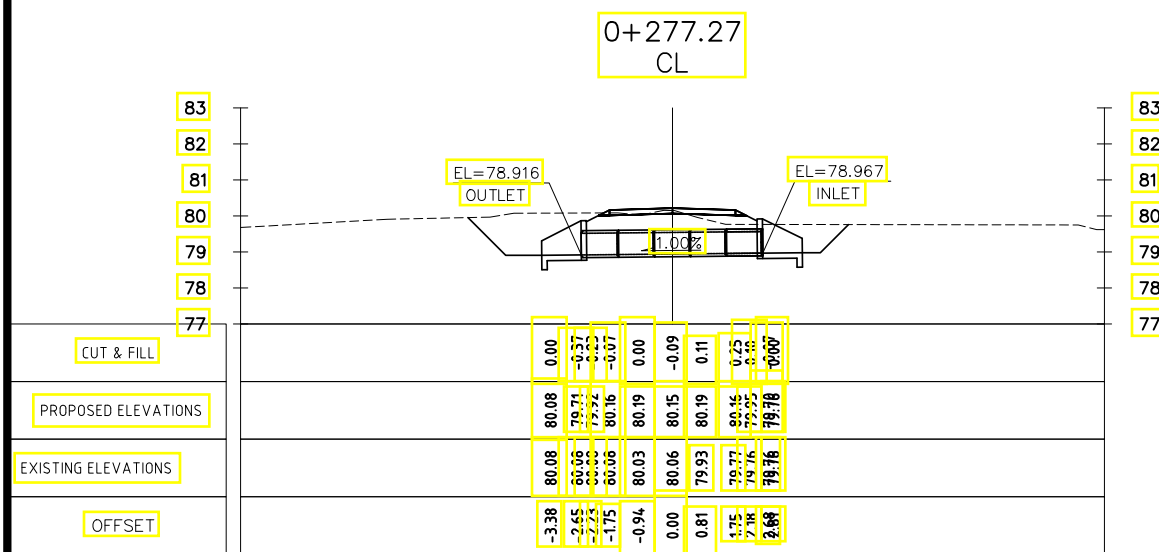
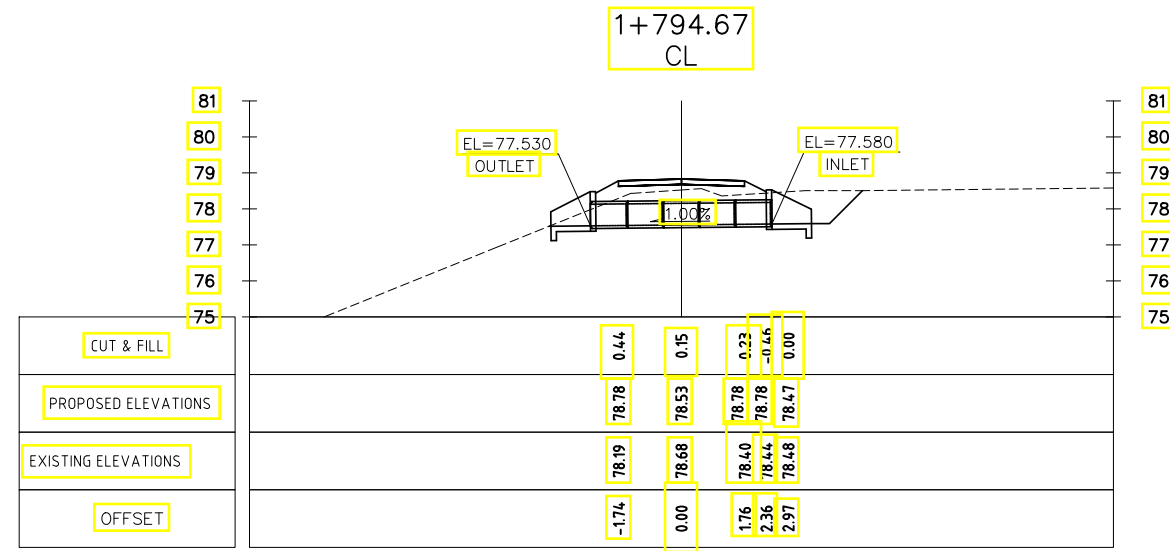
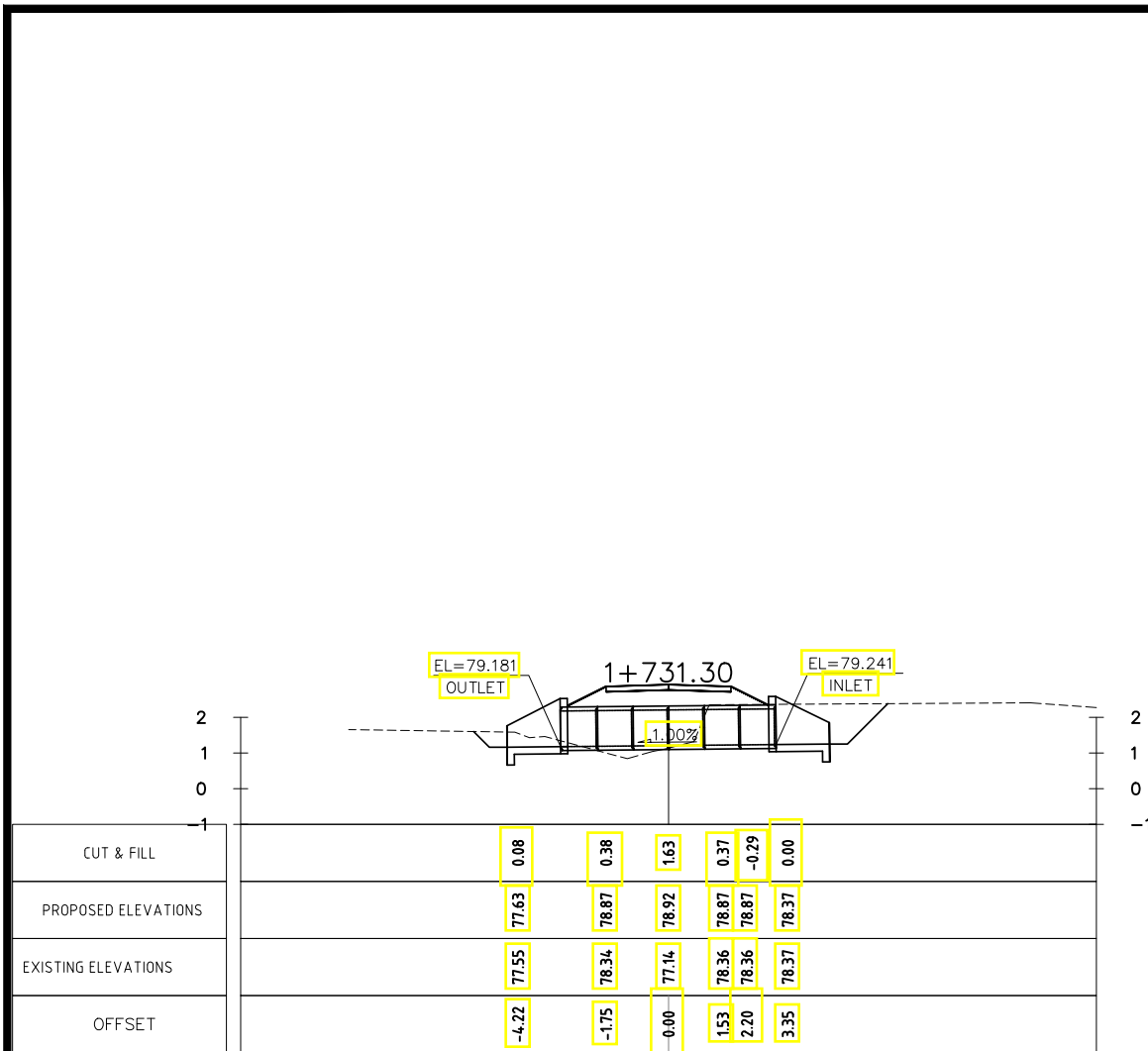
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL02) CROSS SECTION OF CULVERT

SCALE A3: 1/200	DATE :	DRAWING No. : LAO - NKS	PC-05
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REVISION:		
No.	Description	Date
A	Cross-Section Of Culvert	23-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

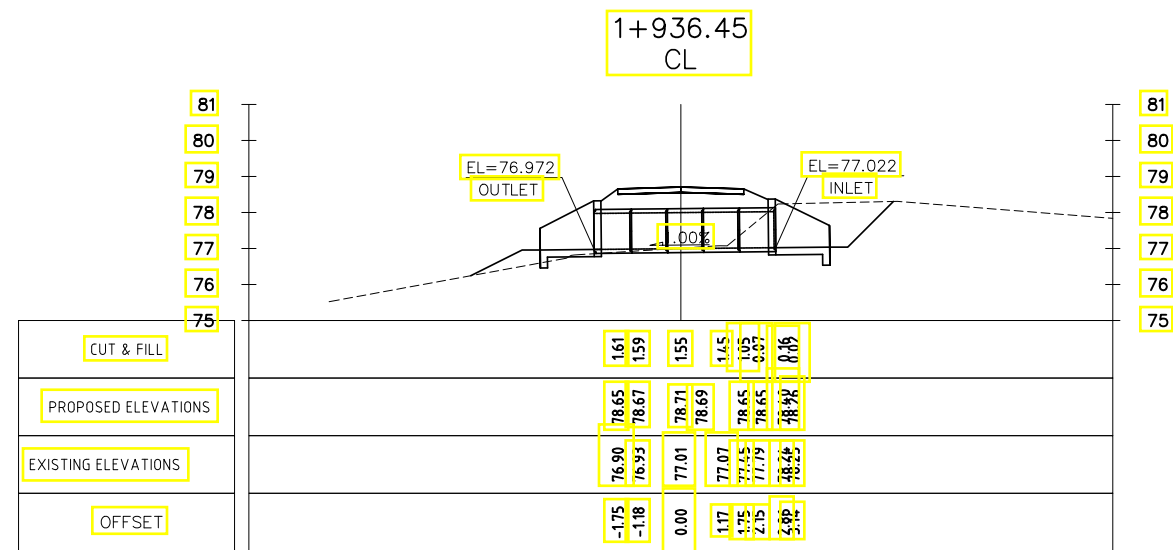
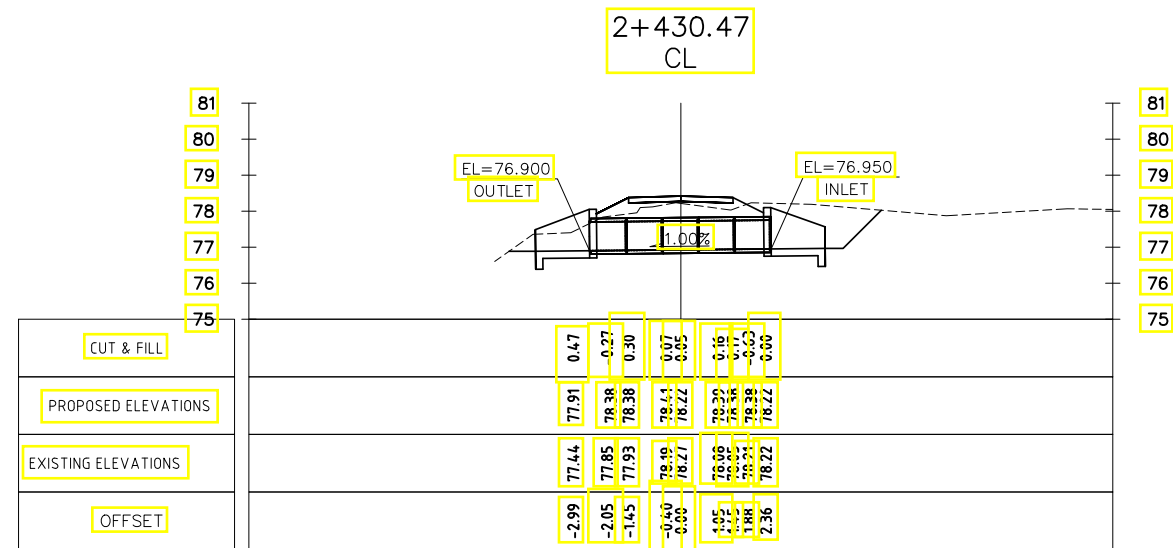
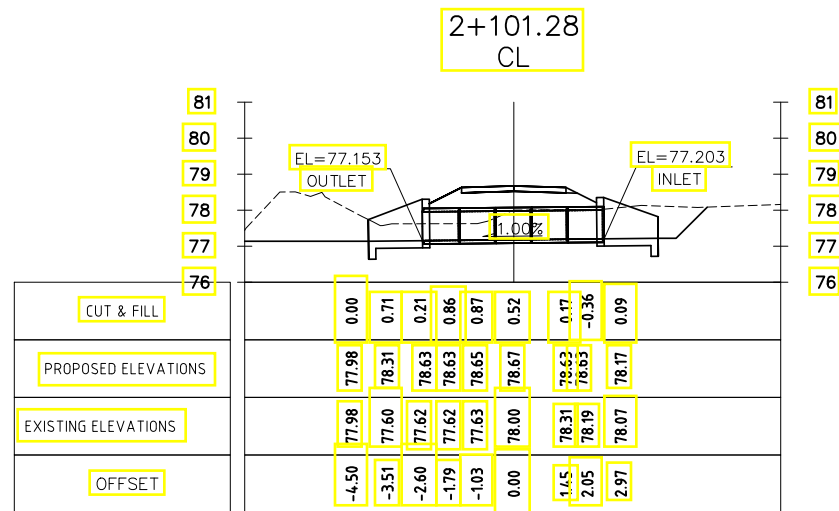





PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS SECTION OF CULVERT

SCALE A3: 1/200	DATE :	DRAWING No. : LAO - NKS	PC-06
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REVISION:		
No.	Description	Date
A	Cross-Section Of Culvert	23-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

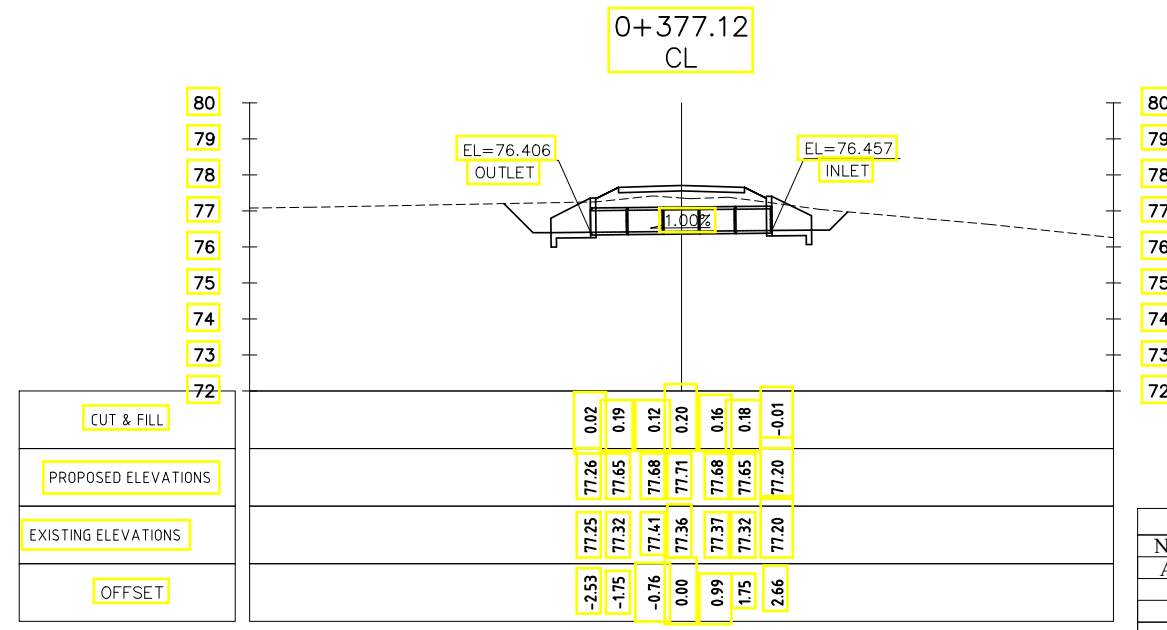
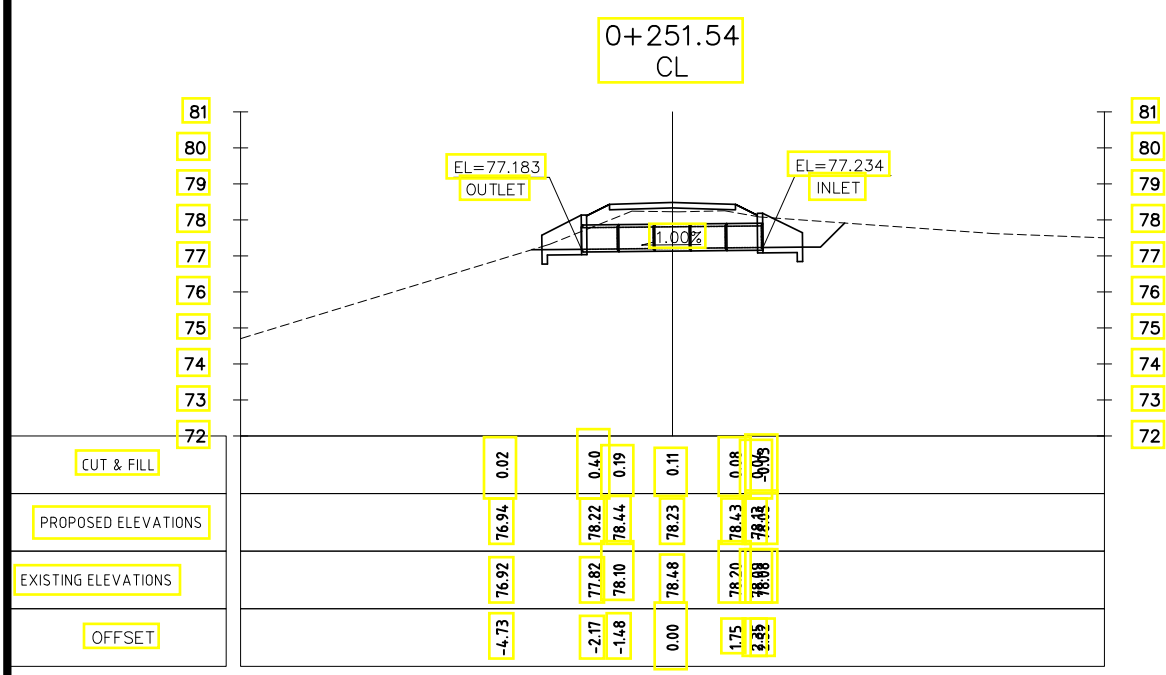
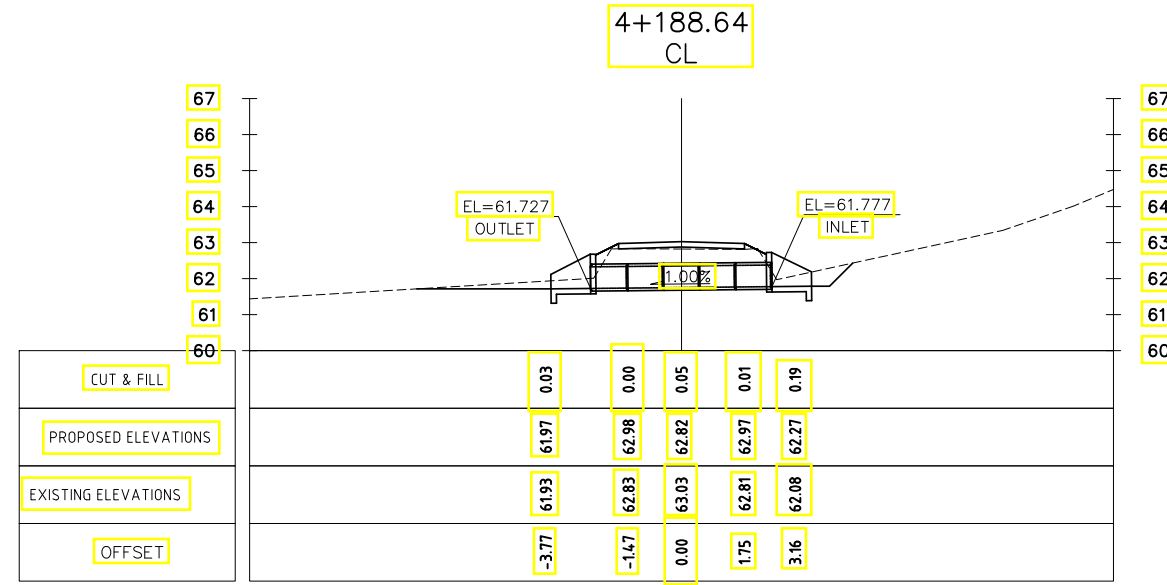
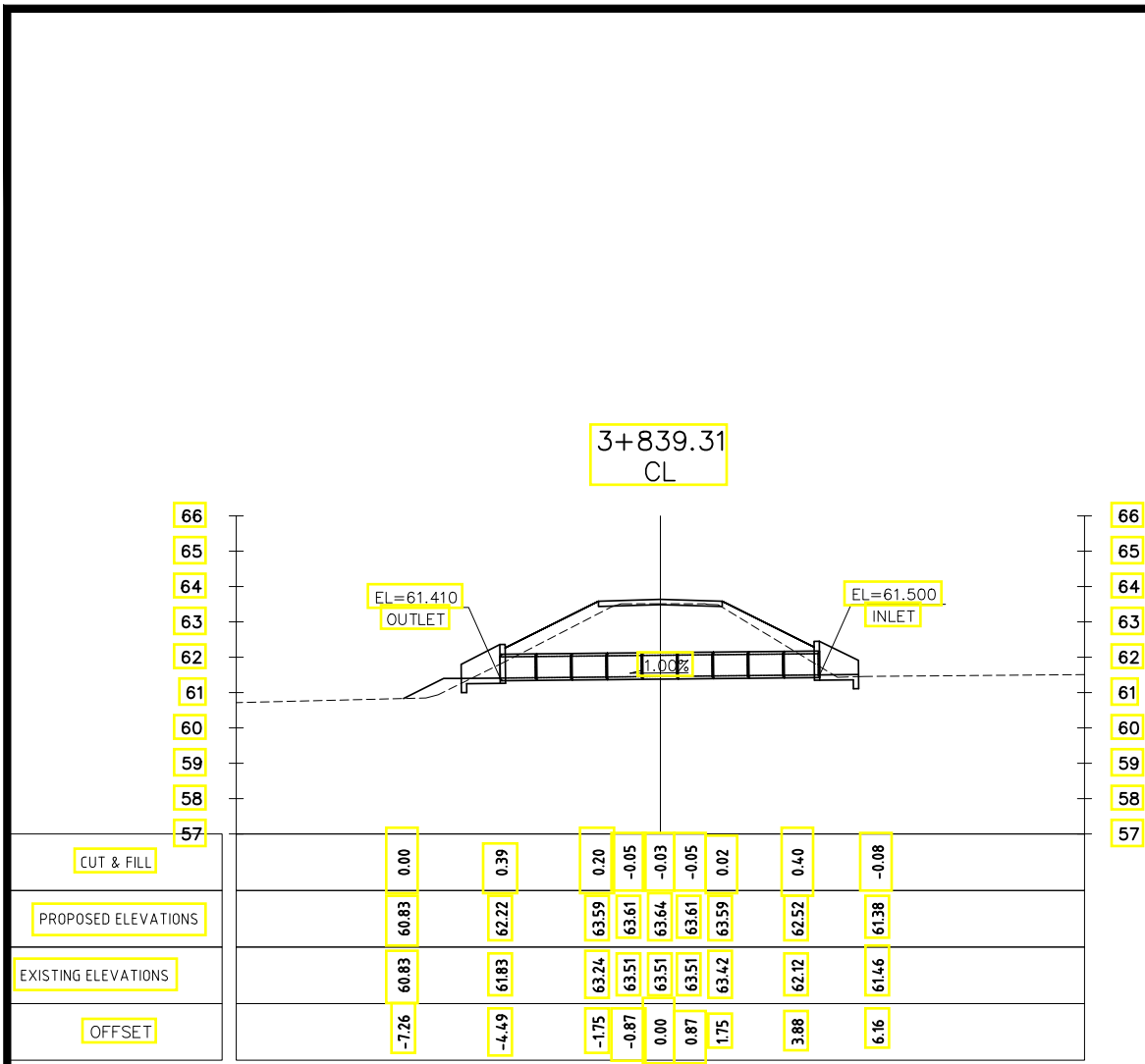
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL03) CROSS SECTION OF CULVERT

SCALE A3: 1/200	DATE :	DRAWING No. : LAO - NKS	PC-07
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REVISION:		
No.	Description	Date
A	Cross-Section Of Culvert	23-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

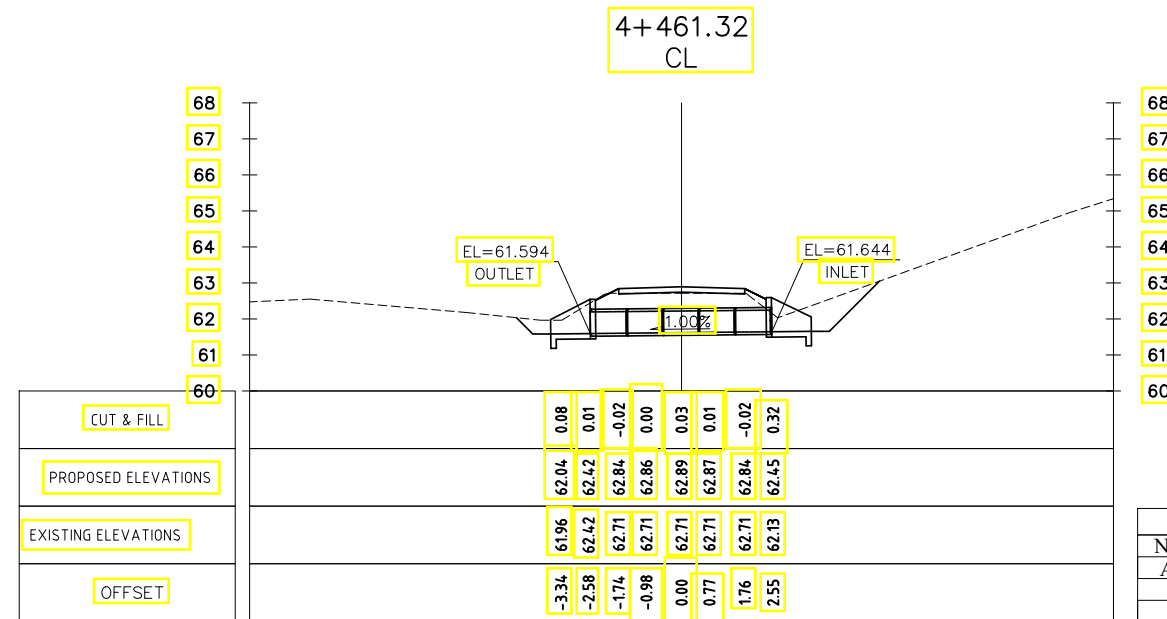
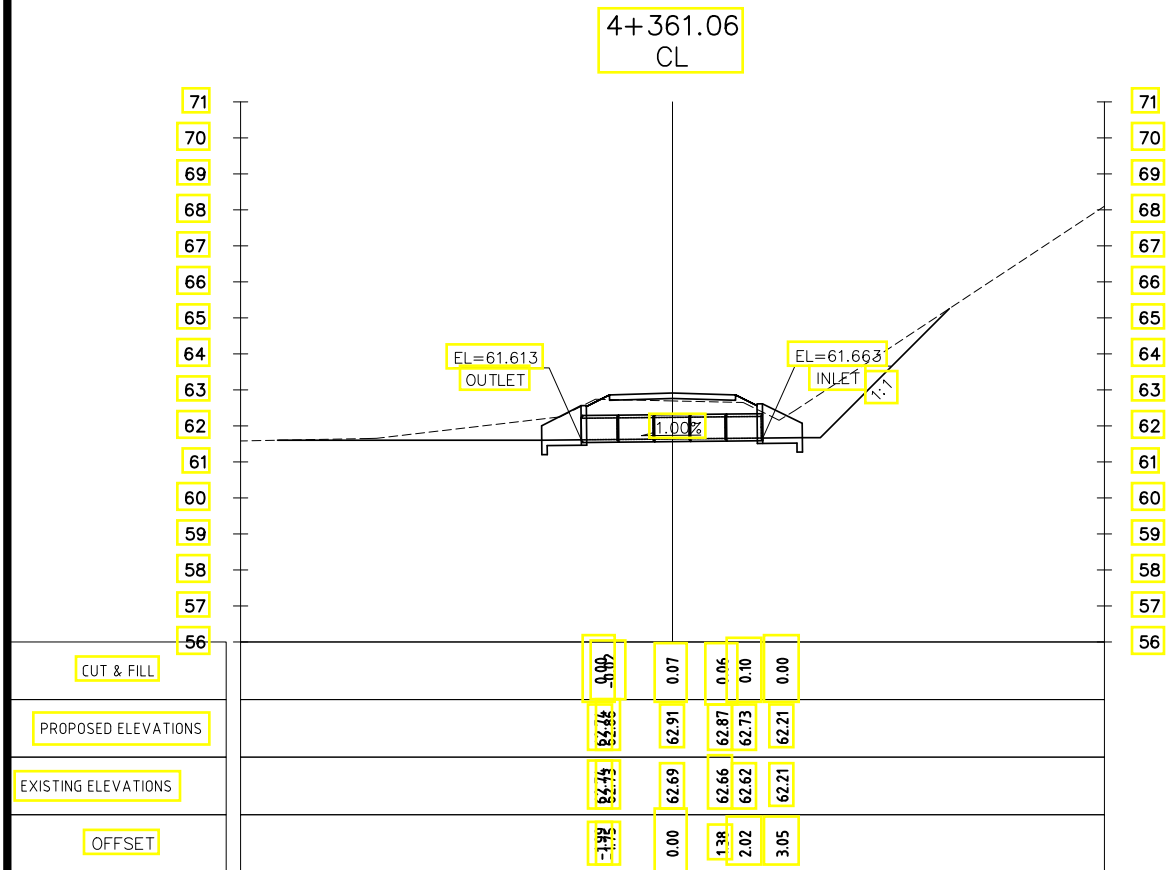
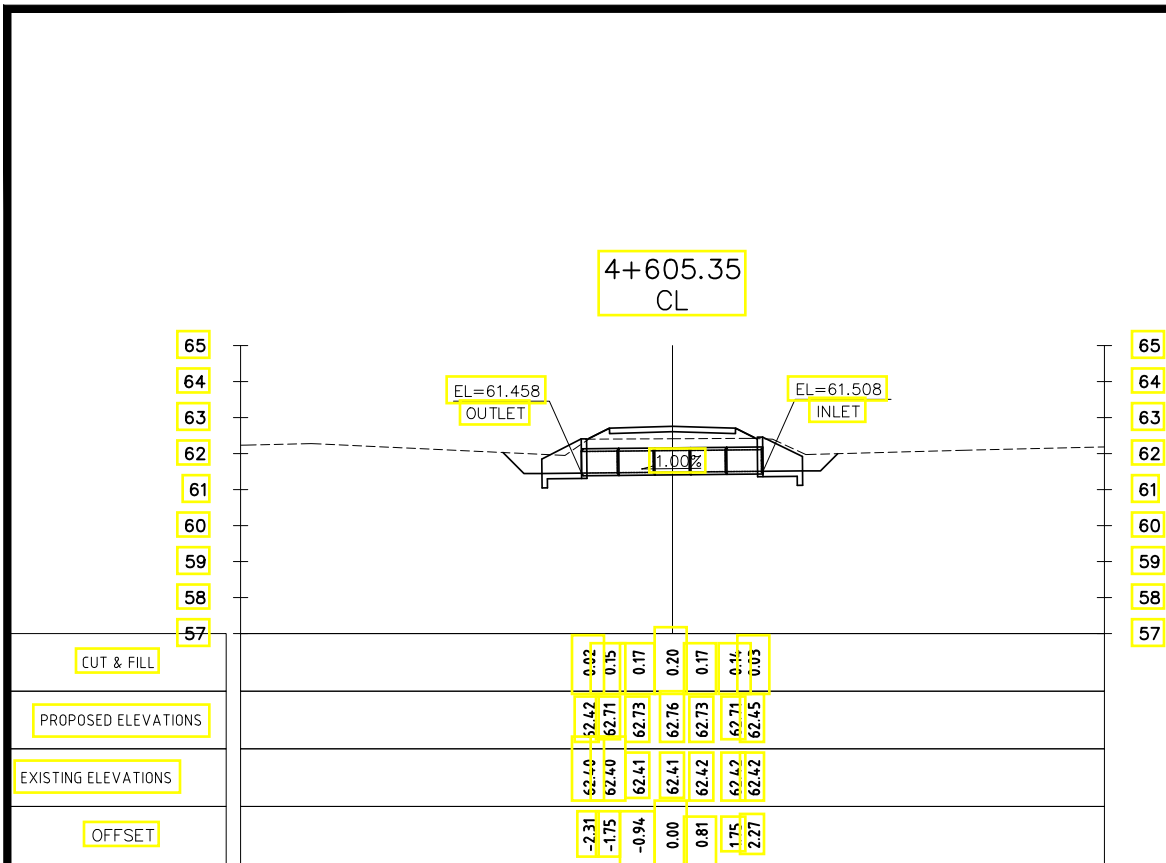
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL04) CROSS SECTION OF CULVERT

SCALE A3: 1/200	DATE :	DRAWING No. : LAO - NKS	PC-08
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REVISION:		
No.	Description	Date
A	Cross-Section Of Culvert	23-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

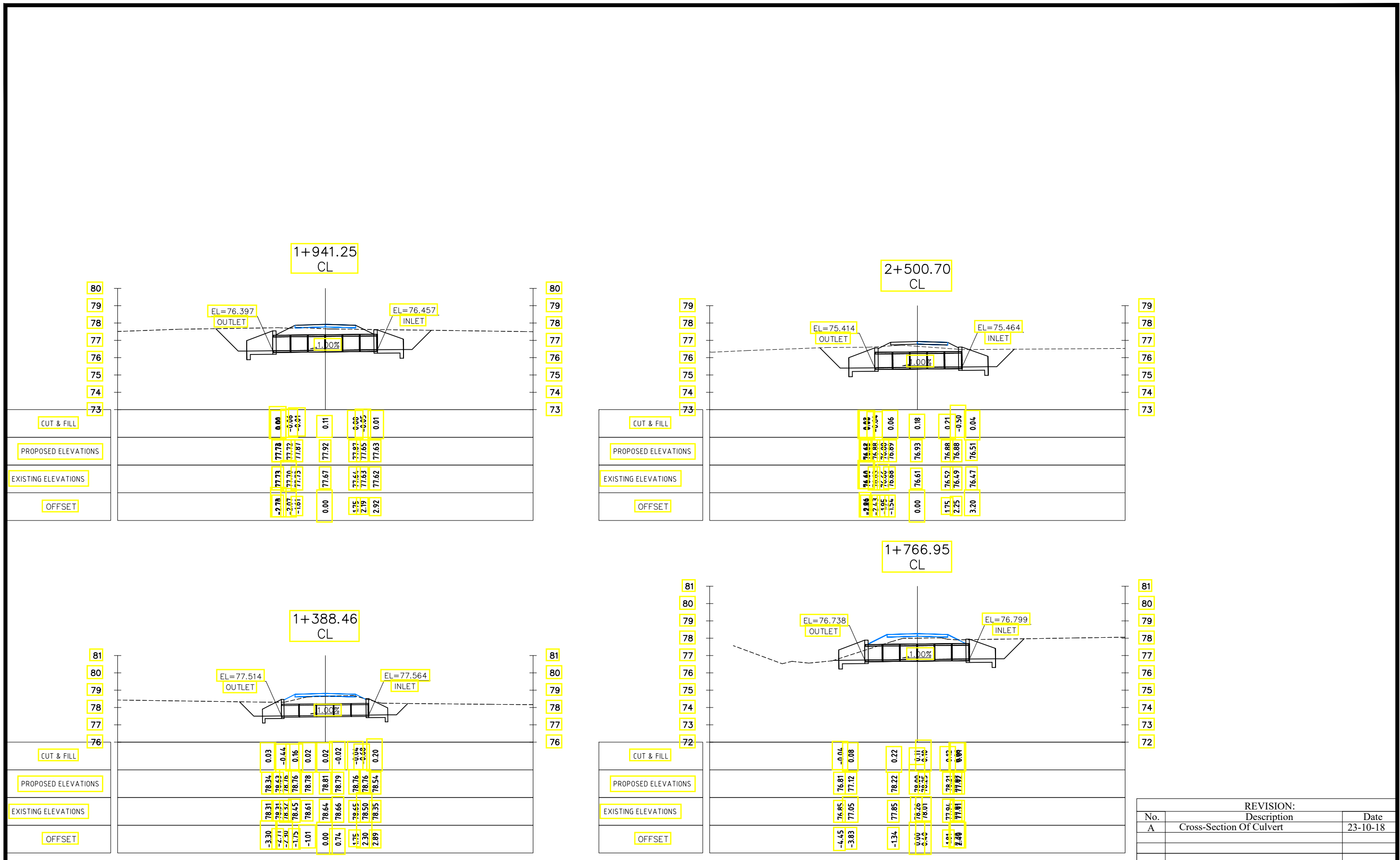
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL04) CROSS SECTION OF CULVERT

SCALE A3: 1/200	DATE :	DRAWING No. : LAO - NKS	PC-09
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REVISION:		
No.	Description	Date
A	Cross-Section Of Culvert	23-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

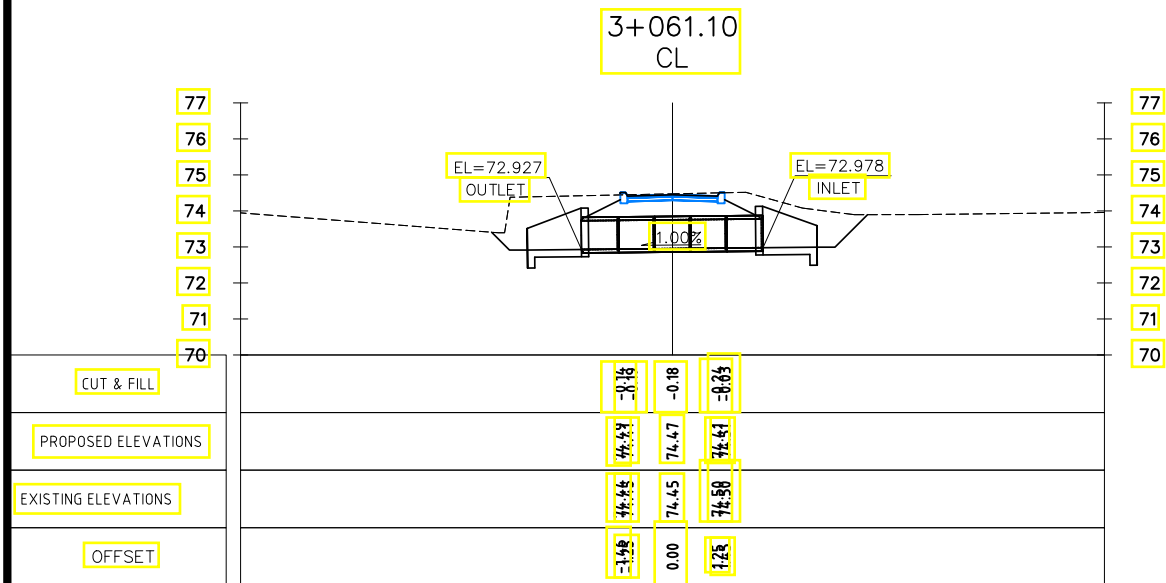
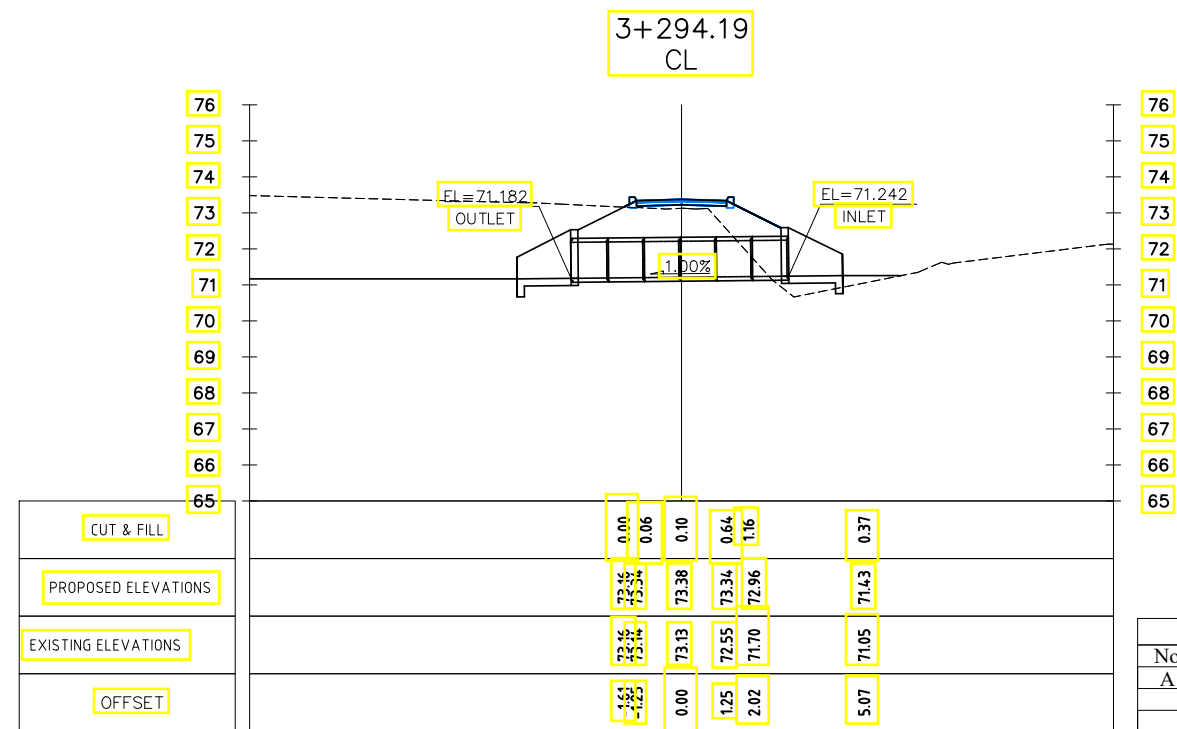
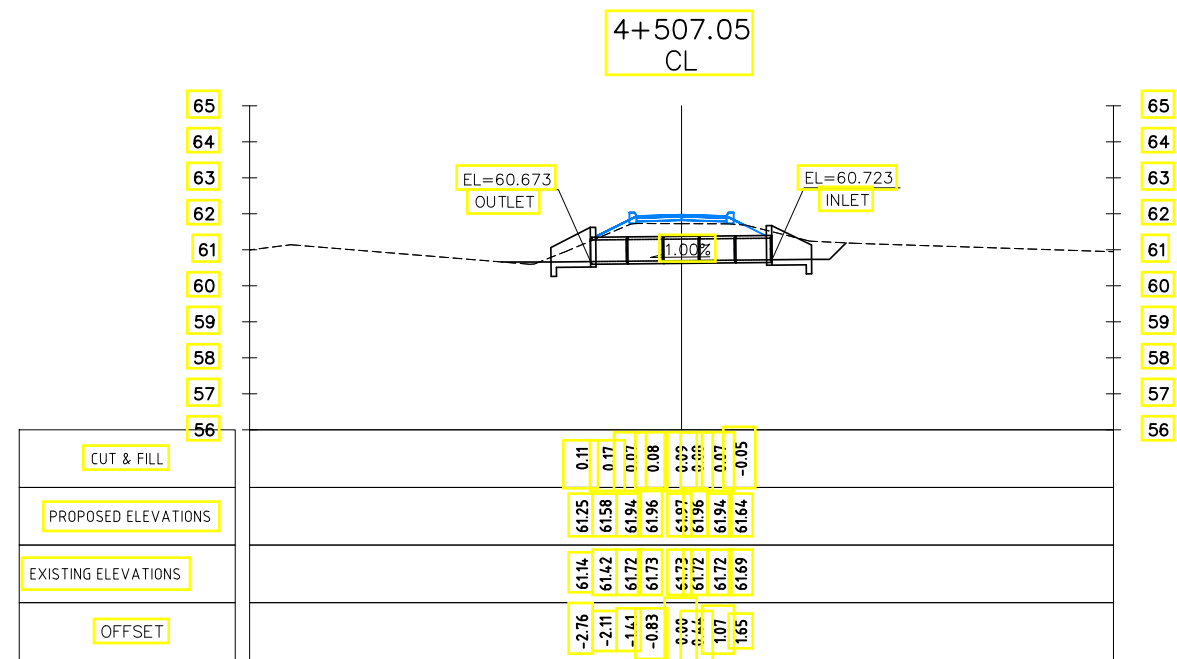





PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL05) CROSS SECTION OF CULVERT

SCALE A3: 1/200	DATE :	DRAWING No. : LAO - NKS	PC-10
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REVISION:		
No.	Description	Date
A	Cross-Section Of Culvert	23-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



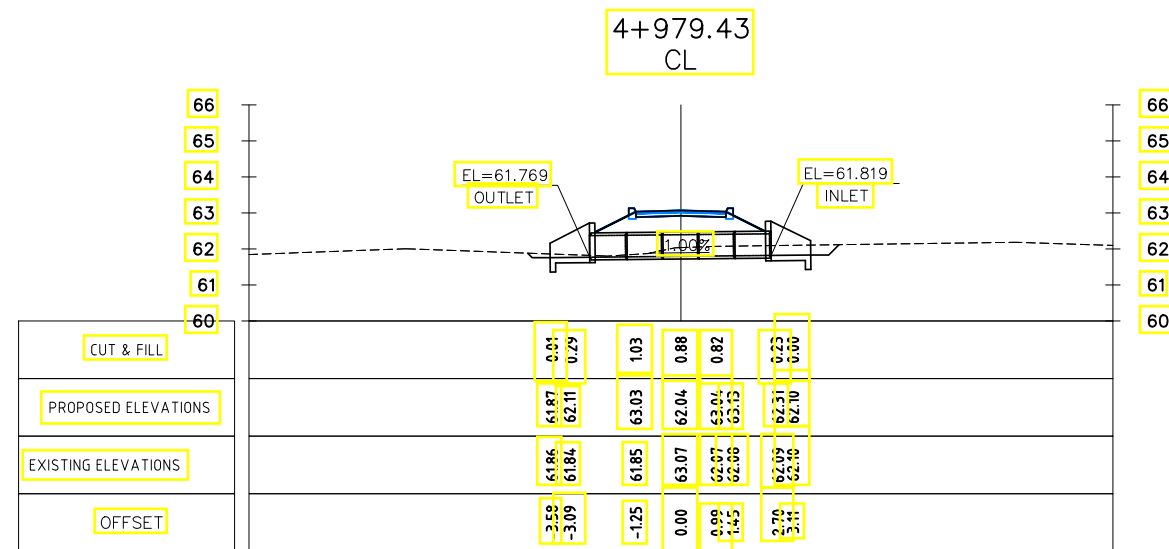
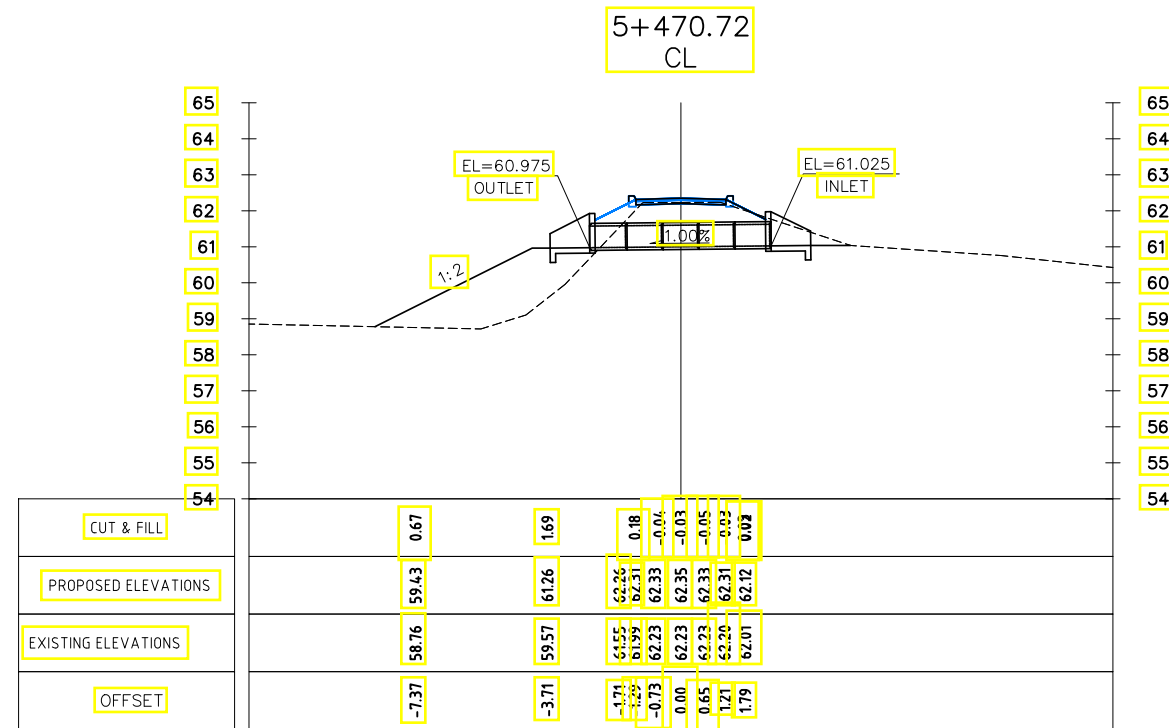
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL05) CROSS SECTION OF CULVERT

SCALE A3: 1/200	DATE:	DRAWING No. : LAO - NKS	PC-11
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REVISION:		
No.	Description	Date
A	Cross-Section Of Culvert	23-10-18

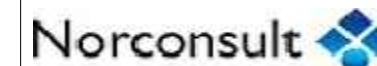
Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



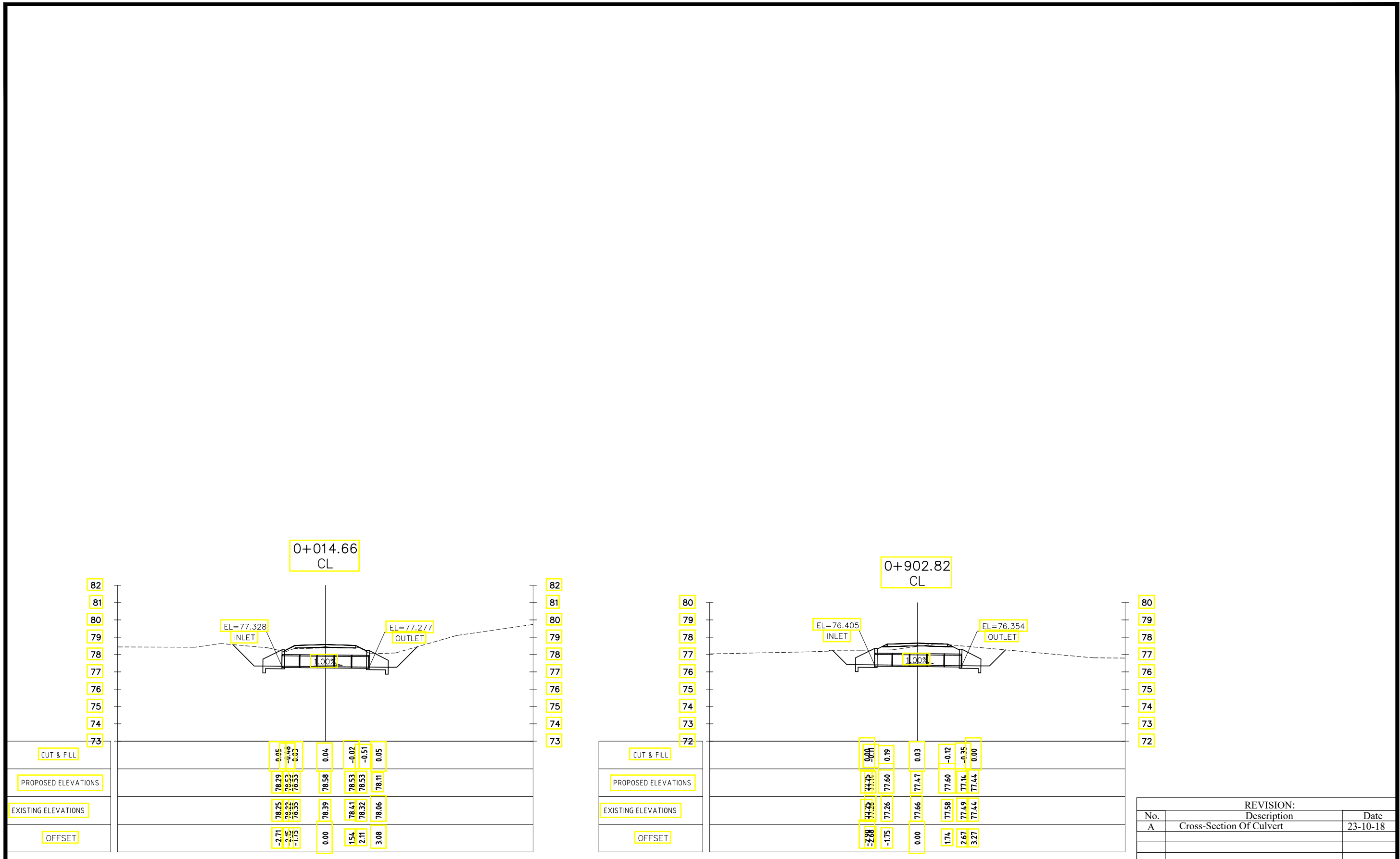
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL05) CROSS SECTION OF CULVERT

SCALE A3: 1/200	DATE :	DRAWING No. : LAO - NKS	PC-12
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REVISION:		
No.	Description	Date
A	Cross-Section Of Culvert	23-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

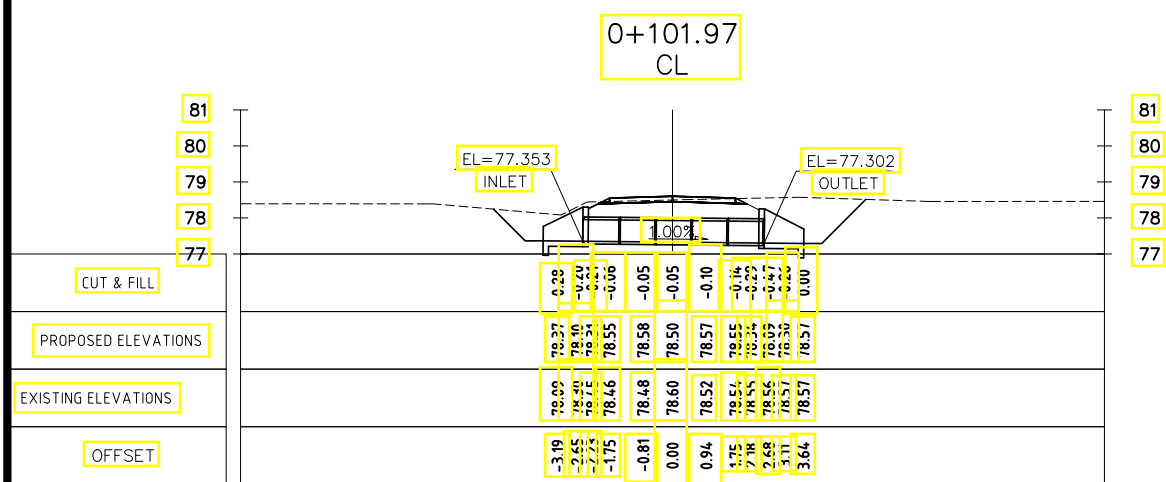





PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL06) CROSS SECTION OF CULVERT

SCALE A3:	DATE :	DRAWING No. :	PC-13
1/200		LAO - NKS	



REVISION:		
No.	Description	Date
A	Cross-Section Of Culvert	23-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

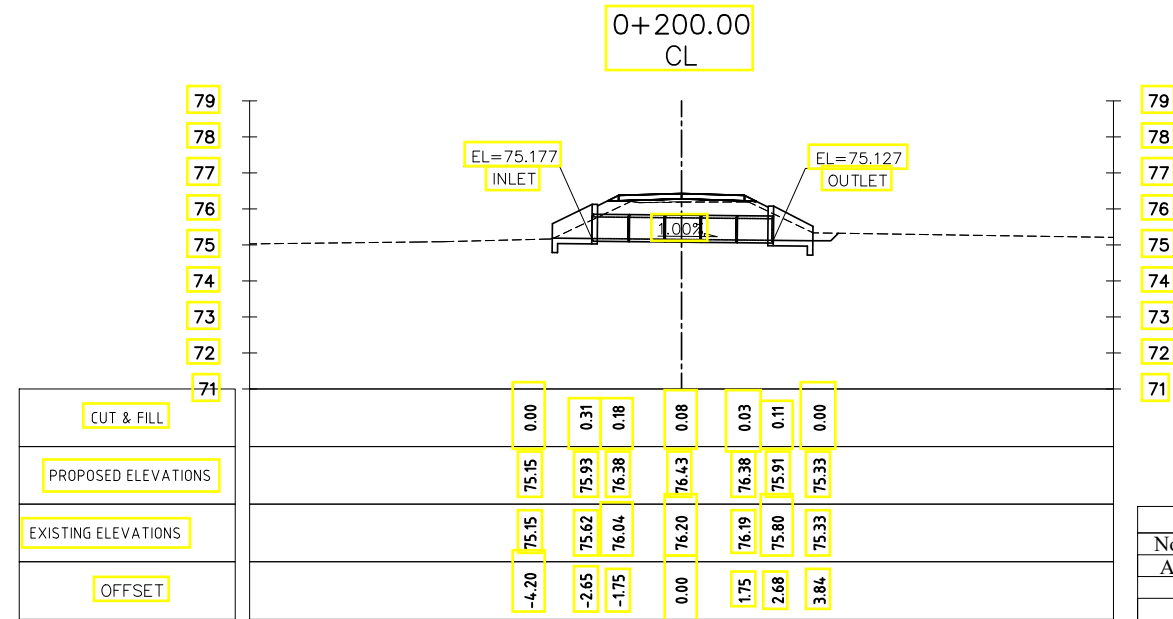
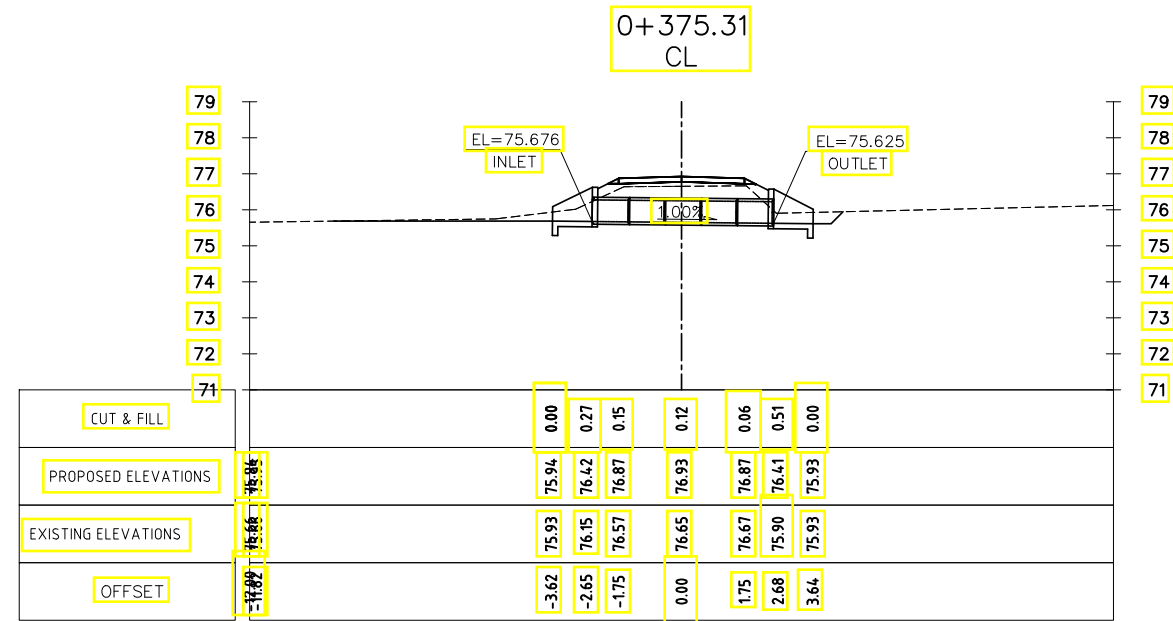
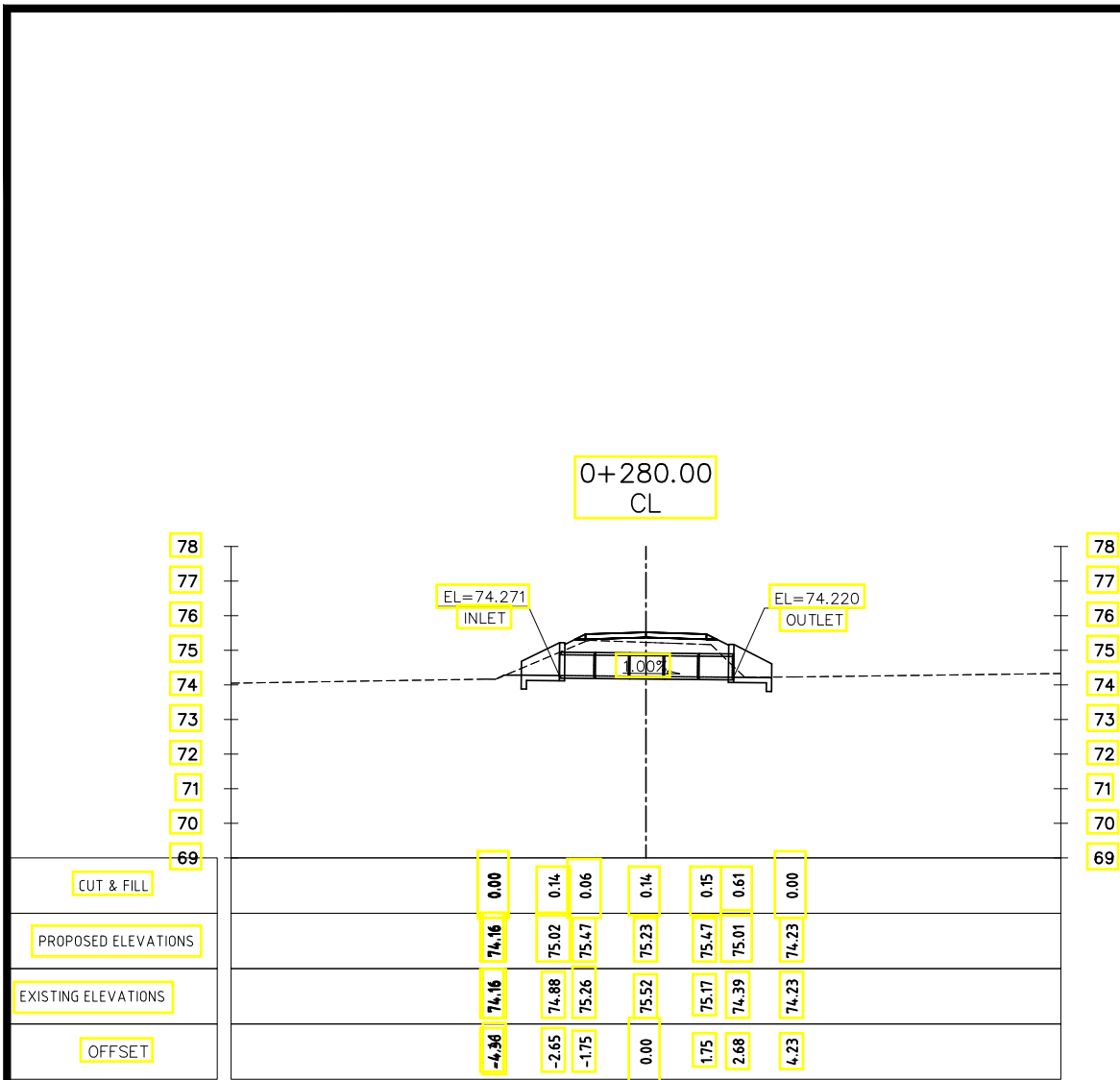


PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL07) CROSS SECTION OF CULVERT

SCALE A3: 1/200	DATE :	DRAWING No. : LAO - NKS	PC-14
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REVISION:		
No.	Description	Date
A	Cross-Section Of Culvert	23-10-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : ACCESS ROAD -A2(IRL08) CROSS SECTION OF CULVERT

SCALE A3: 1/200

DATE :

DRAWING No. :  
 LAO - NKS

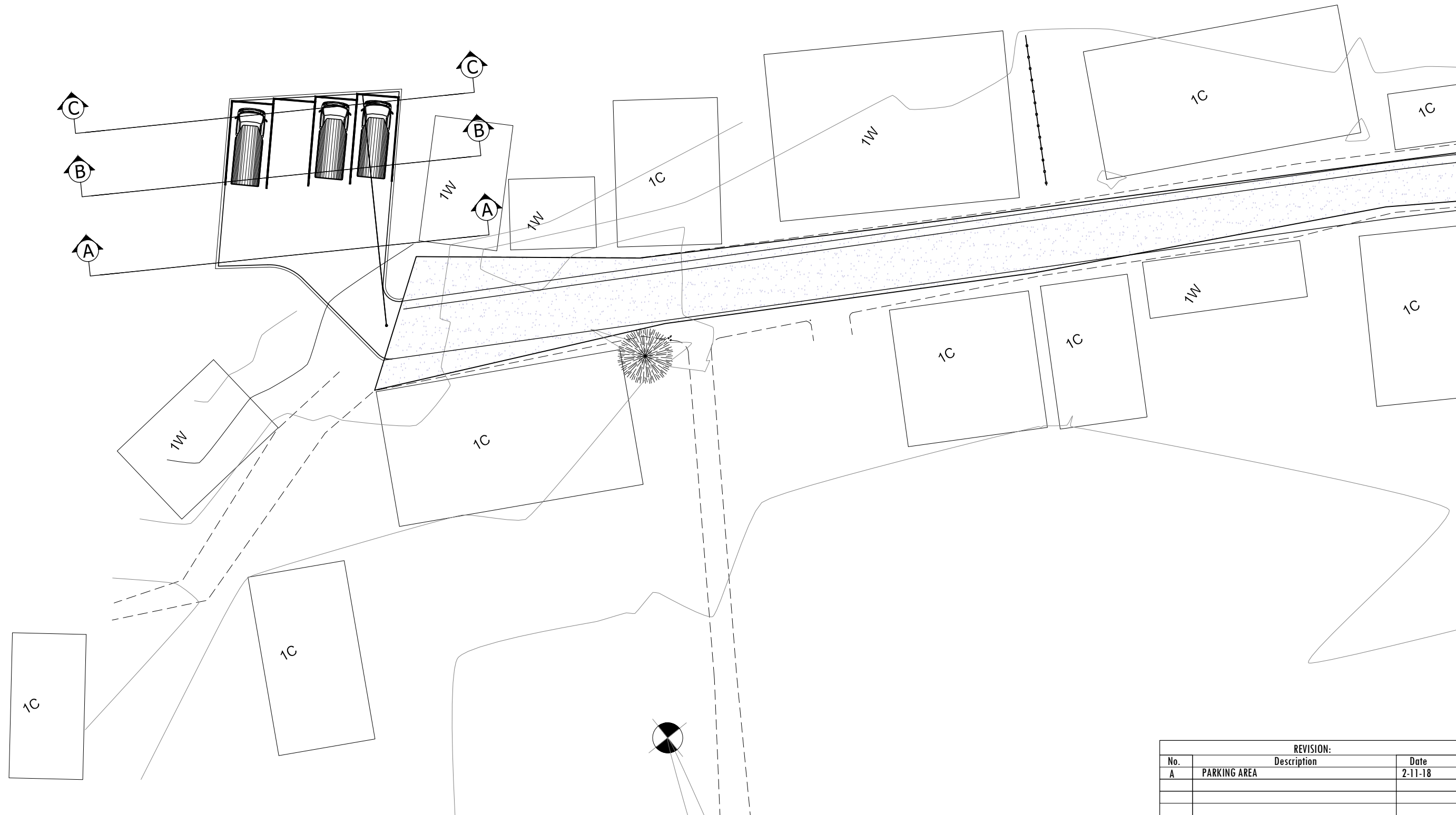
PC-15

# V. PARKING AREA



PARKING AREA.No.1 (BAN DONE DET RIVER PORT)

AREA=130.786 m<sup>2</sup>



REVISION:		
No.	Description	Date
A	PARKING AREA	2-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : PLAN OF PARKING AREA No.1 (BAN DONE DET RIVER PORT)			
SCALE IN A3: 1/250	DATE :	DRAWING No. :	PA-01
LAO - NKS			

PARKING AREA.No.2 (AT BAN DONE DET OLD RIVER PORT)

AREA=639.209 m<sup>2</sup>



REVISION:		
No.	Description	Date
A	PARKING AREA	2-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



Norconsult



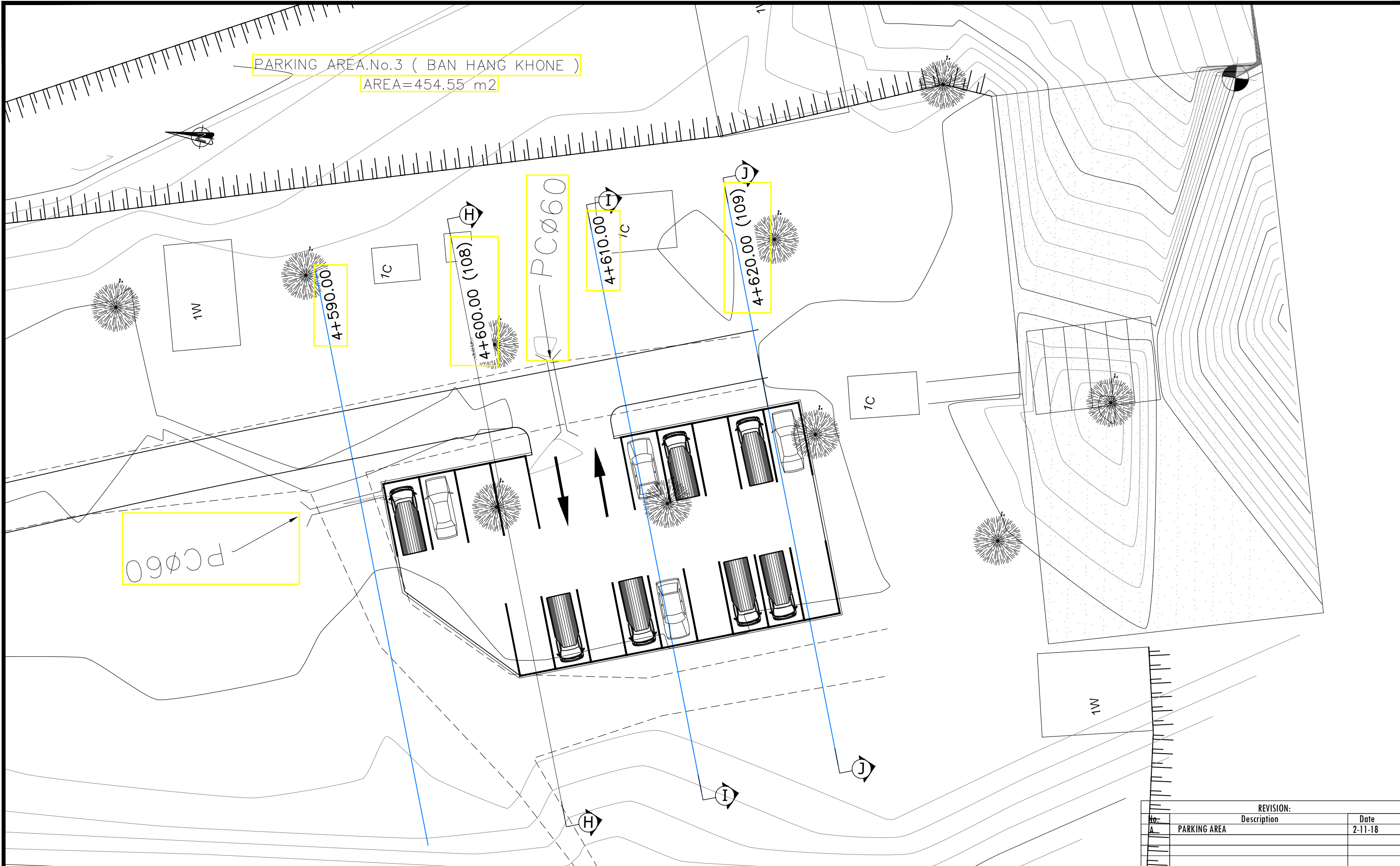
CADTIS-Consultant



ບໍລິສັດ ລາວ-ອາຊຽນ ອິນຊີເນີຽງ ສະໜອງ ສົມບັດ  
 LAO-Asean Engineering Consultants Sole CO.,LTD

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : PLAN OF PARKING AREA No.2 (AT BAN DONE DET OLD RIVER PORT)			
SCALE IN A3: 1/250	DATE :	DRAWING No. :	PA-02
		LAO - NKS	



REVISION:		
No.	Description	Date
A	PARKING AREA	2-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

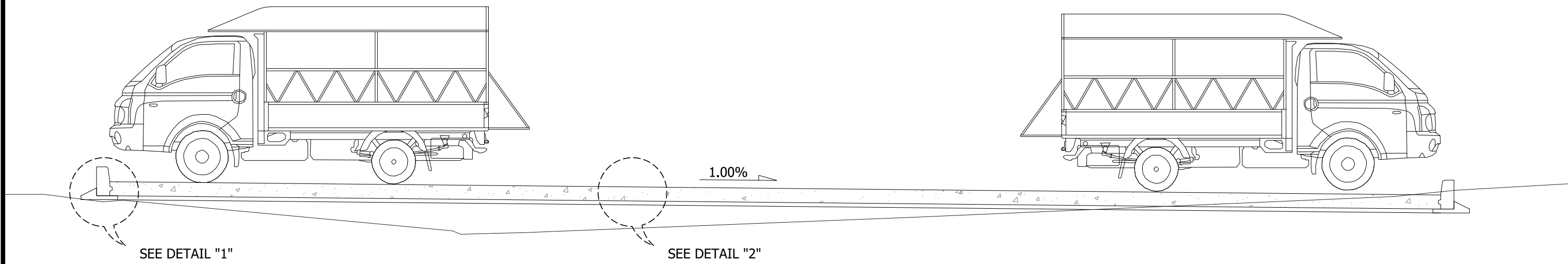
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



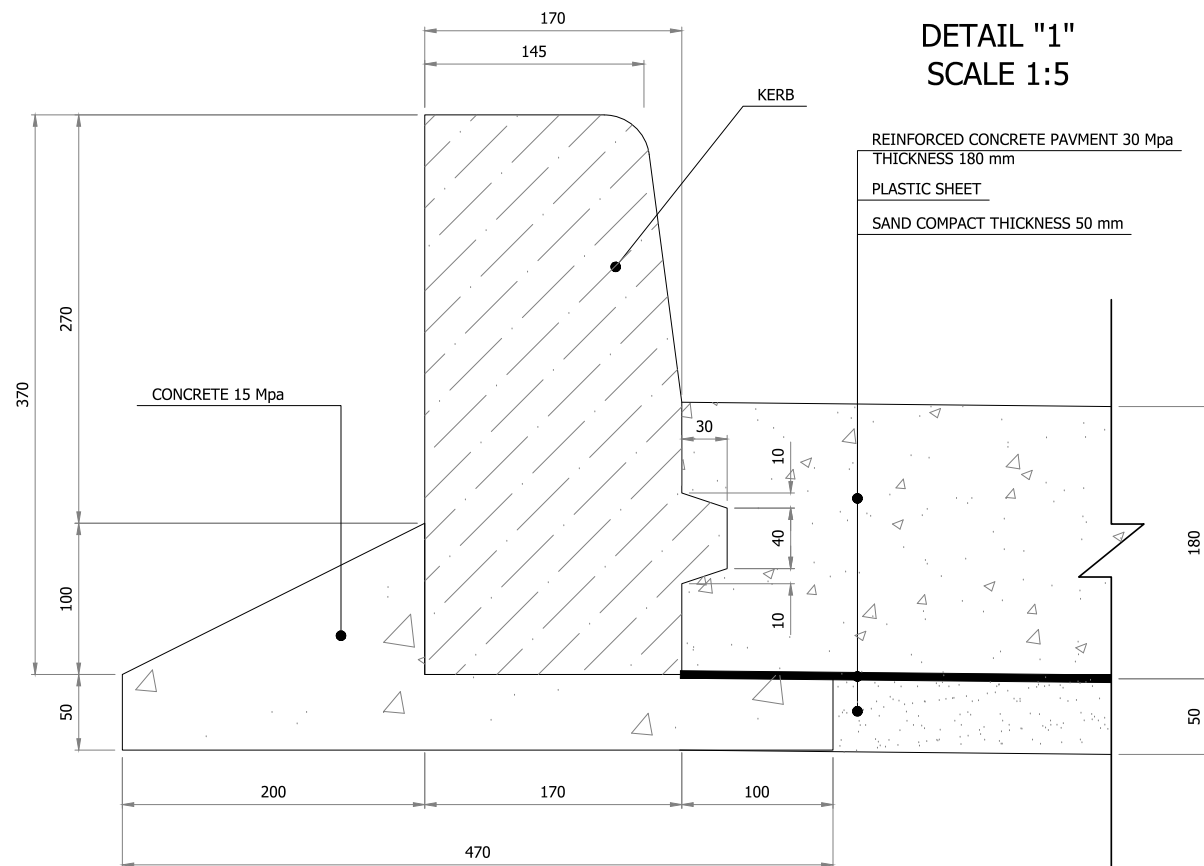
PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : PLAN OF PARKING AREA No.3 (BAN HANG KHONE)			
SCALE IN A3: 1/500	DATE :	DRAWING No. :	PA-03
LAO - NKS			

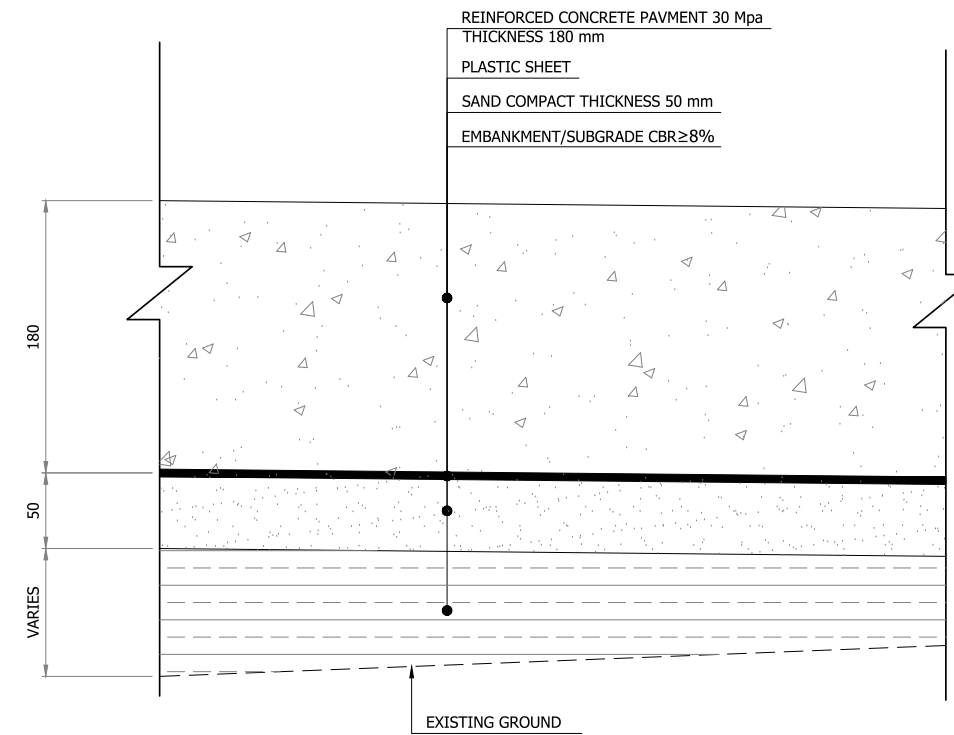
TYPICAL CROSS SECTION OF PARKING AREA  
SCALE 1:50



DETAIL "1"  
SCALE 1:5



DETAIL "2"  
SCALE 1:5



NOTES:  
1. DIMENSION ARE SHOWN IN MILLIMETERS.

REVISION:		
No.	Description	Date
A	PARKING AREA	2-11-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

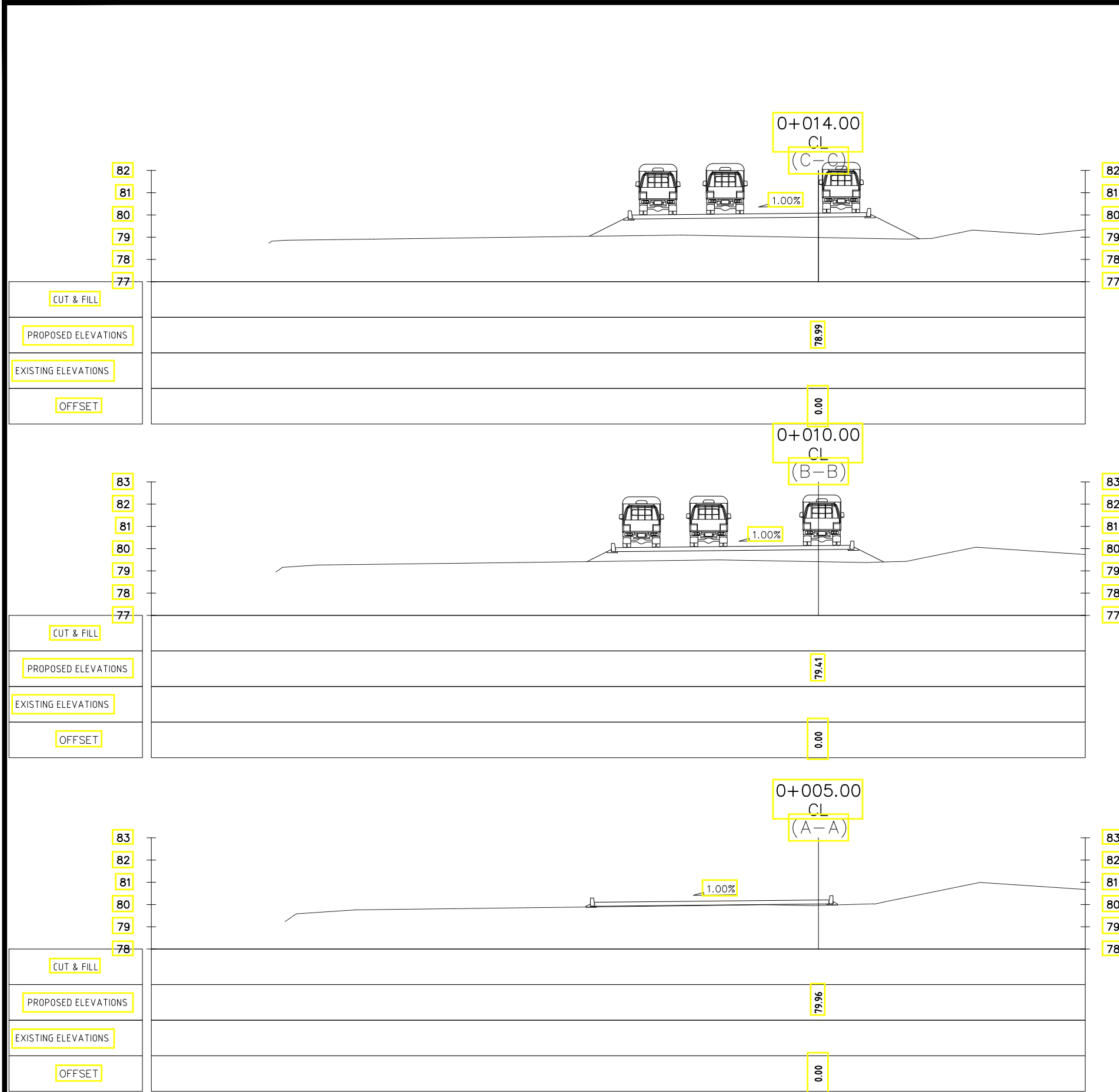
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : TYPICAL CROSS SECTION OF PARKING AREA			
SCALE IN A3:	AS SHOWN	DATE :	DRAWING No. :
			LAO - NKS
			PA-04



REVISION:		
No.	Description	Date
A	PARKING AREA	2-11-18


Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

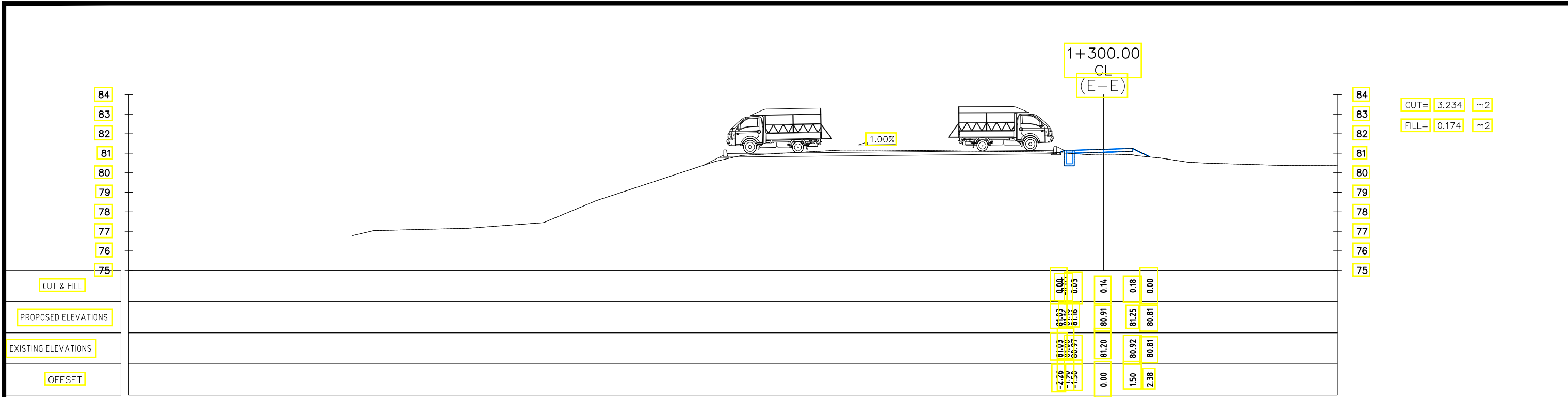


**Norconsult**   

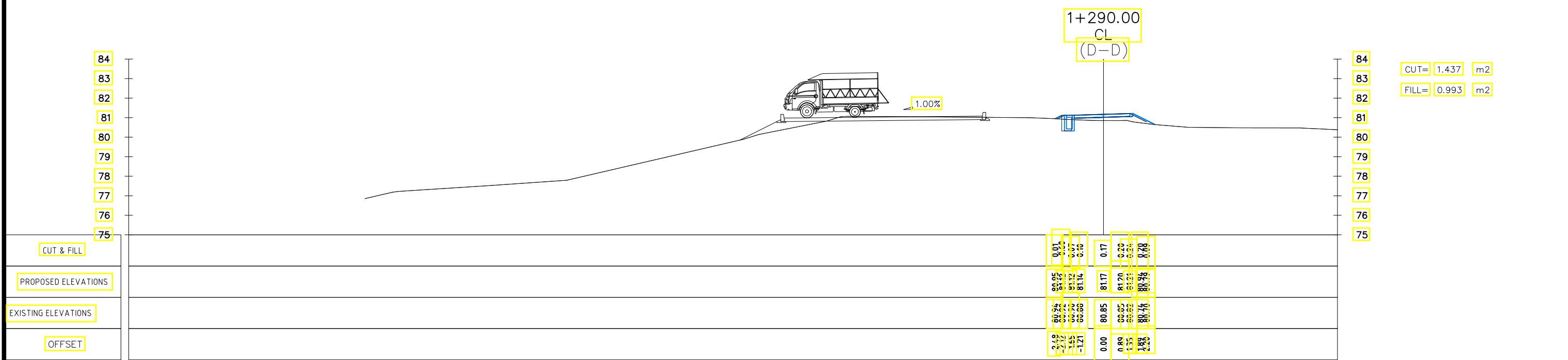
PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : CROSS SECTION OF PARKING AREA No.1 (BAN DONE DET RIVER PORT)

SCALE IN A3: 1/200	DATE :	DRAWING No. : LAO - NKS	PA-05
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CUT= 3.234 m2  
FILL= 0.174 m2



CUT= 1.437 m2  
FILL= 0.993 m2

REVISION:		
No.	Description	Date
A	PARKING AREA	2-11-18


Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM





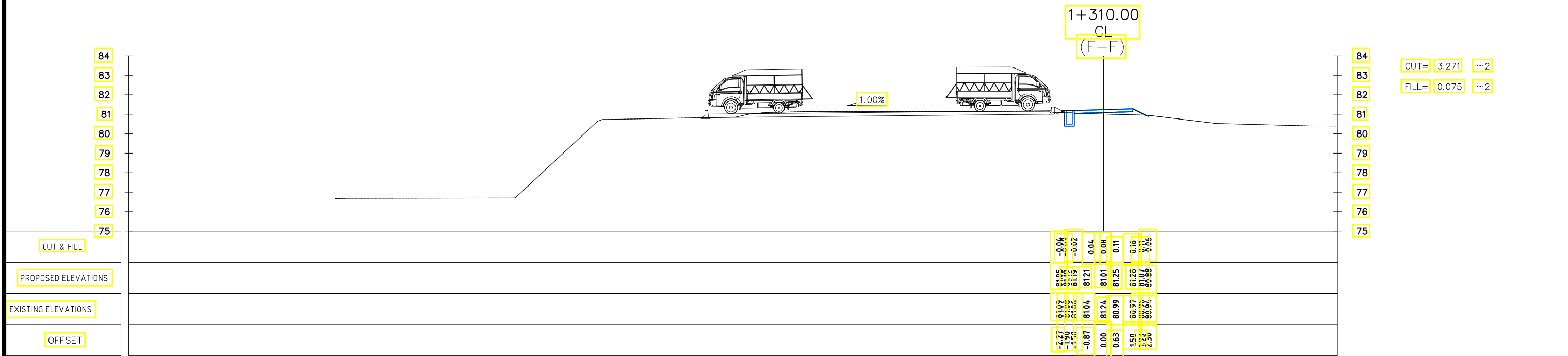
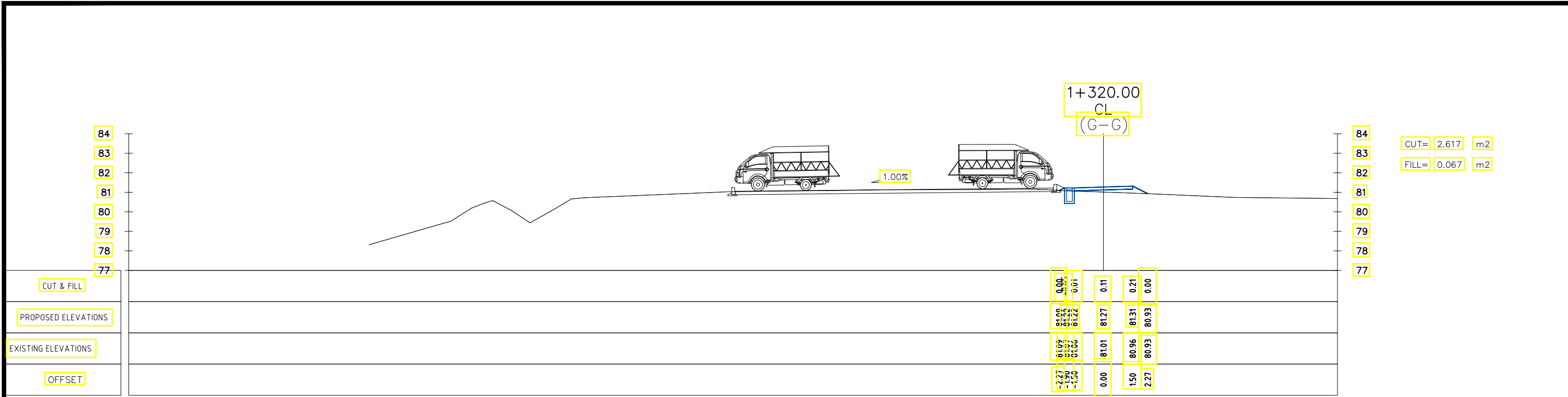

PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : CROSS SECTION OF PARKING AREA No.2 (AT BAN DONE DET OLD RIVER PORT)

SCALE IN A3: 1/200      DATE : \_\_\_\_\_      DRAWING No. : \_\_\_\_\_

LAO - NKS      PA-06





REVISION:		
No.	Description	Date
A	PARKING AREA	2-11-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

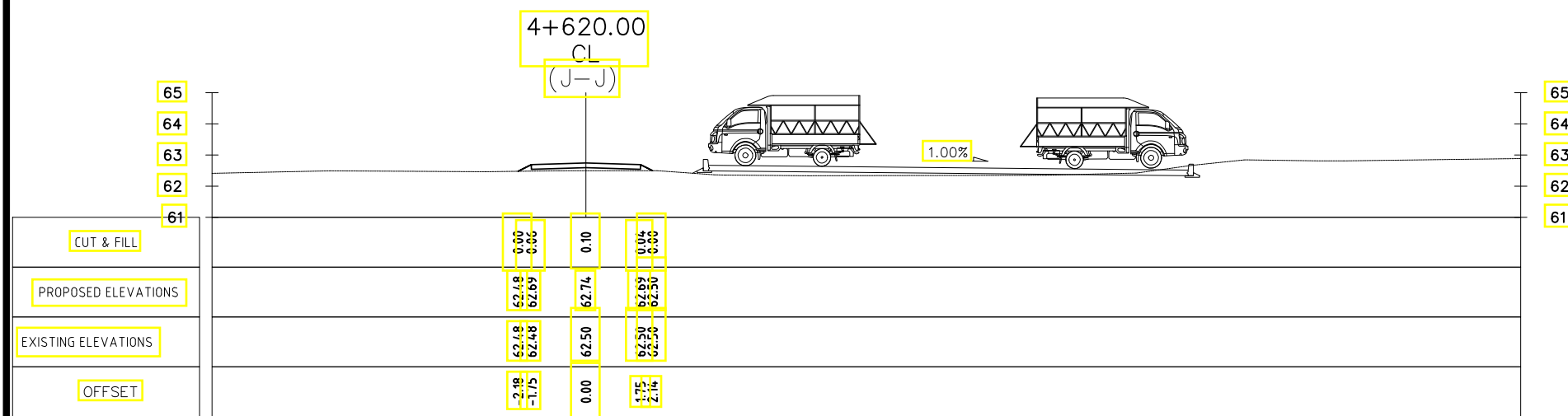
TITLE:  
DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

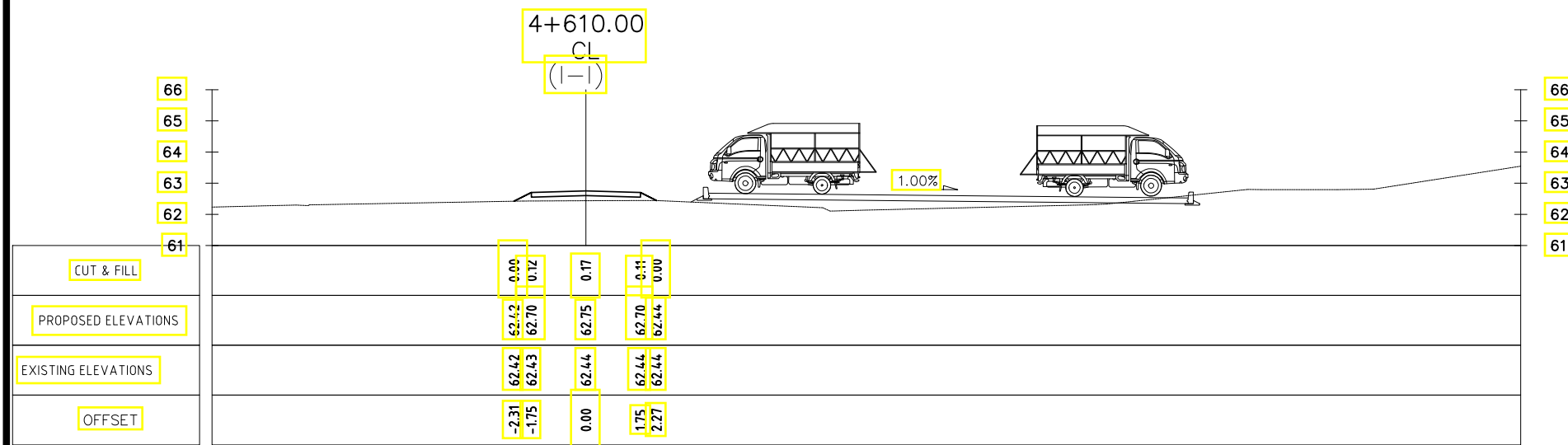
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



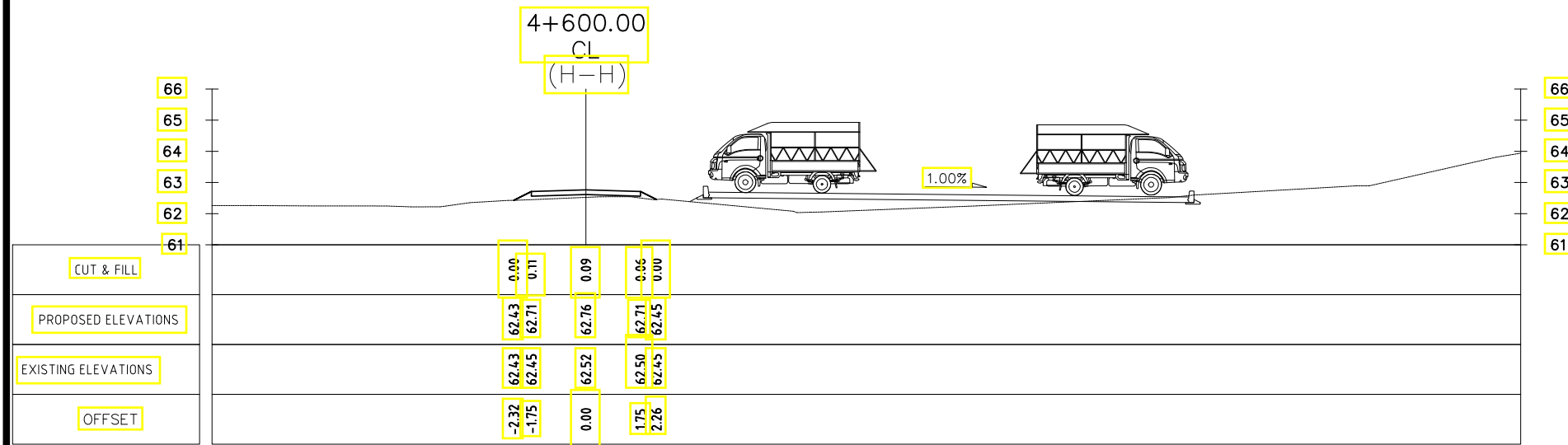
PROJECT:		A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT	
DRAWING TITLE : CROSS SECTION OF PARKING AREA No.2 (AT BAN DONE DET OLD RIVER PORT)			
SCALE IN A3:	DATE :	DRAWING No. :	PA-07
1/200		LAO - NKS	



CUT= 0.478 m2  
 FILL= 1.020 m2



CUT= 0.365 m2  
 FILL= 2.593 m2



CUT= 0.415 m2  
 FILL= 3.004 m2

REVISION:		
No.	Description	Date
A	PARKING AREA	2-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEF  
 Reviewed:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

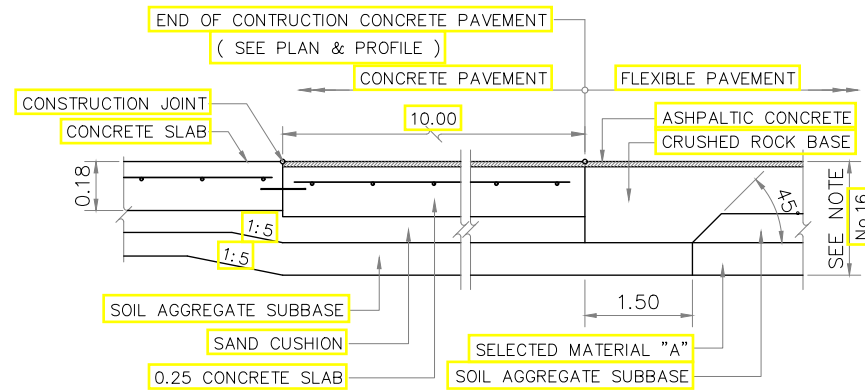
TITLE:  
 DATE:



LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

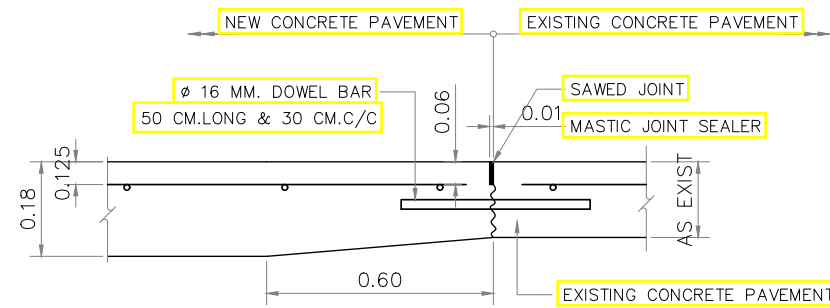
DRAWING TITLE : CROSS SECTION OF PARKING AREA No.3 (BAN HANG KHONE)			
SCALE IN A3: 1/200	DATE :	DRAWING No. :	PA-08
LAO - NKS			





DETAIL OF JOINT BETWEEN CONCRETE AND FLEXIBLE PAVEMENT

NOT TO SCALE



DETAIL OF TRANSVERSE JOINT BETWEEN NEW AND EXISTING CONCRETE PAVEMENT

SCALE 1 : 20

NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED.
2. EXPANSION JOINT SHALL BE CONSTRUCTED AT THE INTERVAL OF 350 METERS. IF THE LAST INTERVAL IS LESS THAN 350 METERS, THE INTERVALS SHALL BE AVERAGED BUT BETWEEN 300 AND 350 METERS.
3. EXPANSION JOINT SHALL BE PROVIDED AT THE OUTER EDGE OF BOTH SIDES OF THE BOX CULVERT CROSSING.
4. MASTIC JOINT SEALER SHALL BE OF THE HOT Poured ELASTIC TYPE CONFORMING TO TIS. 479.
5. JOINT FILLER SHALL CONFORM TO THE AASHTO M. 213-74 OR ASTM. D1751-73 SPECIFICATION.
6. CONCRETE SHALL BE CLASS C 30
7. REINFORCING STEEL BARS SHALL BE HIGH TENSILE STEEL BARS AND SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31 AS FOLLOWS:
  - REINFORCING STEEL BARS WITH DIAMETRE 10mm AND ABOVE SHALL BE DEFORMED BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31 GRADE 60; OTHERWISE INDICATED.
  - REINFORCING STEEL BARS WITH DIAMETRE BELOW 10mm MAY BE PLAIN MILD STEEL BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31 GRADE 40.
8. WELDED CAN NOT BE USED.
9. CONCRETE PAVER SHALL BE REQUIRED FOR CONCRETE POURING. IN CASE OF NECESSARY POURING CONCRETE BY MAN-POWER, CONCRETE SHALL BE Poured ONLY GAP SPACE NOT MORE THAN 30.00 METERS LONG.
10. ALL JOINTS EXCEPT EXPANSION JOINT SHALL BE MADE BY SLOT CUTTING MACHINE ONLY.
11. TRAFFIC SHALL BE ALLOWED ONLY IF THE ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE CUBE CONFORMS TO THE REQUIREMENTS OF THE SPECIFICATIONS
12. CONSTRUCTION MATERIAL NOT SPECIFIED IN THIS DRAWING SHALL CONFORM TO THE STANDARD OF THE REQUIREMENTS OF THE SPECIFICATIONS.
13. BROOMING CONCRETE SURFACE WITH A BROOM OF THE STANDARD TYPE SPECIFIED SHALL BE REQUIRED. THE DIRECTION OF BROOMING SHALL BE PERPENDICULAR TO THE DIRECTION OF TRAFFIC FROM ONE EDGE OR JOINT TO THE OTHER. ONE PHASE OF BROOM SURFACE SHALL PROPERLY OVERLAP WITH ANOTHER. CONCRETE BROOM SURFACE SHALL NOT BE OVER 3 MM. DEPTH. THE SURFACE SHALL BE FREE FROM PORES, HOLES OR LUMPS OF COARSE AGGREGATE OVER THE SURFACE.
14. BROOMING SURFACE CONCRETE SHALL CORRESPOND TO THE FIGURE.
15. PREPARATION OF JOINT FOR MASTIC JOINT SEALER.
  - 15.1 THE JOINT SHALL BE CLEANED WITH A BLOWER TO GET RID OF ALL KINDS OF DIRT THE JOINT SHALL BE COMPLETELY DRY.
  - 15.2 PRIMER SHALL BE APPLIED TO THE JOINT WITH A BRUSH OR SPRAYER THE JOINT SHALL BE LET DRY BEFORE THE POURING OF MASTIC JOINT SEALER WHICH HAS BEEN BOILED AND DISSOLVED BY MEANS OF HEAT CONDUCTIVITY TO THE SPECIFIED TEMPERATURE.
  - 15.3 JOINTS SHALL BE CUT AND MASTIC JOINT SEALER SHALL BE DROPPED AS SOON AS POSSIBLE.
  - 15.4 MASTIC JOINT SEALER SHALL BE DROPPED WITH JOINT SEALANT APPLYING MACHINE.
16. THE THICKNESS OF FLEXIBLE PAVEMENT CORRESPONDED TO THE FIGURE CONFORMING TO TYPICAL CROSS-SECTION.
17. PLASTIC SHEET USED IN CONSTRUCTION SHALL HAVE THE FOLLOWING REQUIREMENTS :
  - 17.1 THICKNESS OF 0.07 MM. WITH A TOLERANCE OF NOT MORE THAN 7% SHALL BE REQUIRED.
  - 17.2 WIDTH SHALL NOT BE LESS THAN 1.20 M.
  - 17.3 IT SHALL BE COLOURLESS, TRANSPARENT AND WATERPROOF, FREE FROM POROUS AREA, TURN AREA AND BLISTERING AREA WHICH ARE VISIBLE BY NAKED EYE. EDGE SHALL BE STRAIGHT.
  - 17.4 CONTINUOUS LENGTH SHALL BE REQUIREMENT TO THE WIDTH OF TRAFFIC LANES. CONNECTION ALLOWED AT LONGITUDINAL JOINTS WITH NOT LESS THAN 20 CM. OVERLAPPING SHALL BE REQUIRED.

REVISION:		
No.	Description	Date
A	PARKING AREA	2-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : DETAIL OF TRANSVERSE JOINT			
SCALE IN A3:	DATE :	DRAWING No. :	PA-10
NOT TO SCALE		LAO - NKS	

PARKING AREA No.1 (BAN DONE DET RIVER PORT)

	EXCATION (m3)	EMBANKMENT (m3)	SAND (m3)	CONCRETE 30 Mpa (m3)	CONCRETE 15 Mpa (m3)	KURB (m)	REMARK
VOLUME	0.045	74.36	6.54	23.54	1.62	48.00	

PARKING AREA No.2 (AT BAN DONE DET OLD RIVER PORT)

	EXCATION (m3)	EMBANKMENT (m3)	SAND (m3)	CONCRETE 30 Mpa (m3)	CONCRETE 15 Mpa (m3)	KURB (m)	REMARK
VOLUME	124.575	8.80	31.96	115.06	3.89	115.00	

PARKING AREA No.3 (BAN HANG KHONE)

	EXCATION (m3)	EMBANKMENT (m3)	SAND (m3)	CONCRETE 30 Mpa (m3)	CONCRETE 15 Mpa (m3)	KURB (m)	REMARK
VOLUME	18.41	96.20	22.73	81.82	2.81	83.00	

REVISION:		
No.	Description	Date
A	PARKING AREA	2-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

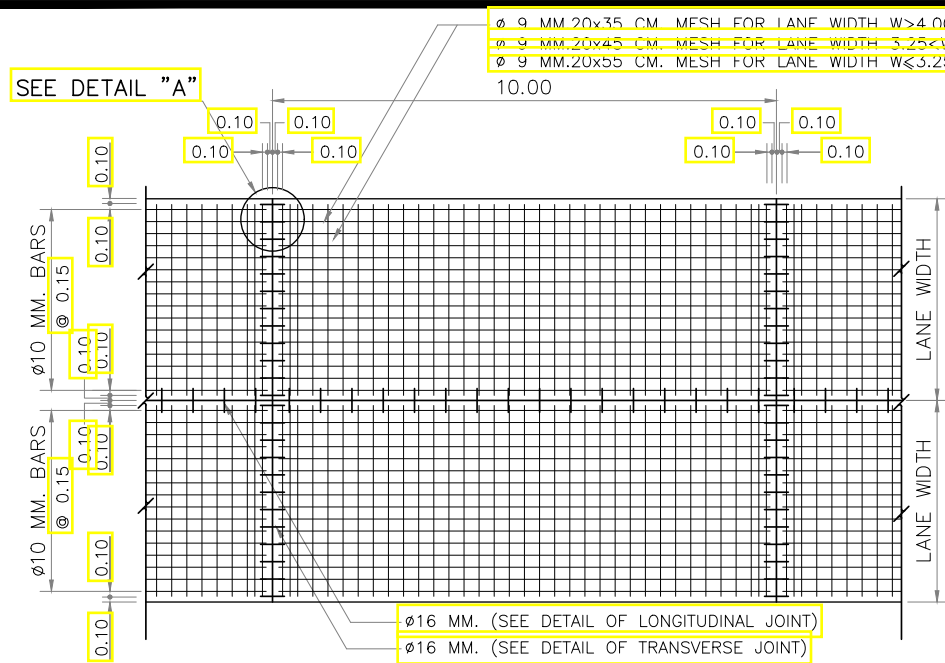


PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : VOLUME OF PARKING AREA

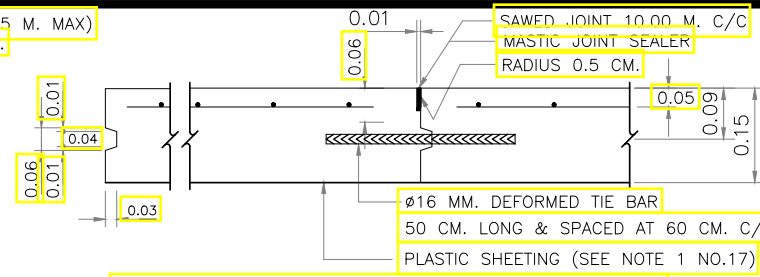
SCALE IN A3: NOT TO SCALE	DATE :	DRAWING No. : LAO - NKS	PA-11
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# VI. STANDARD DRAWING



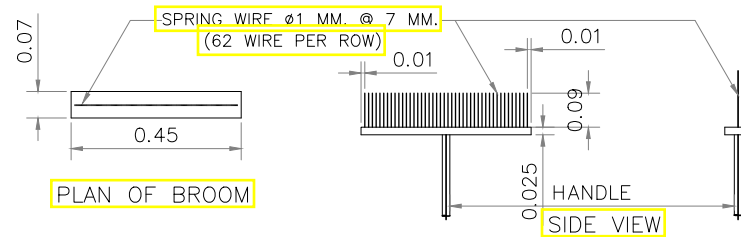
PLAN OF REINFORCED CONCRETE PAVEMENT

NOT TO SCALE



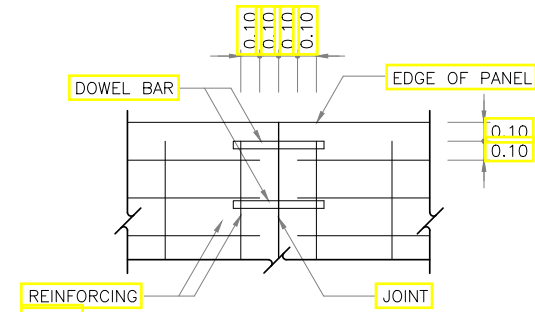
DETAIL OF LONGITUDINAL JOINT

NOT TO SCALE



DETAIL OF BROOM SURFACE CONCRETE PAVEMENT

NOT TO SCALE

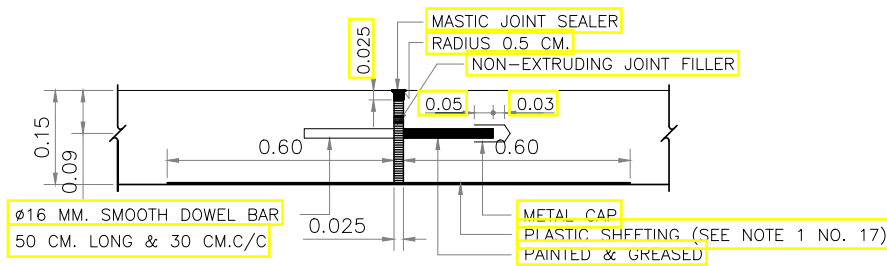


DETAIL "A"

NOT TO SCALE

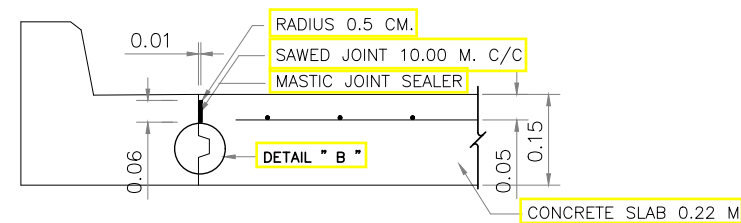
SHEAR KEY DETAIL "B"

NOT TO SCALE



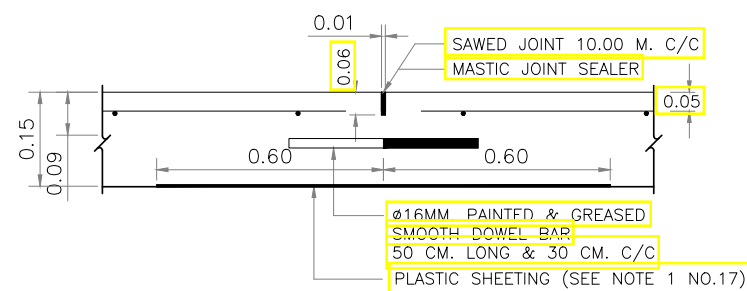
DETAIL OF EXPANSION JOINT

NOT TO SCALE



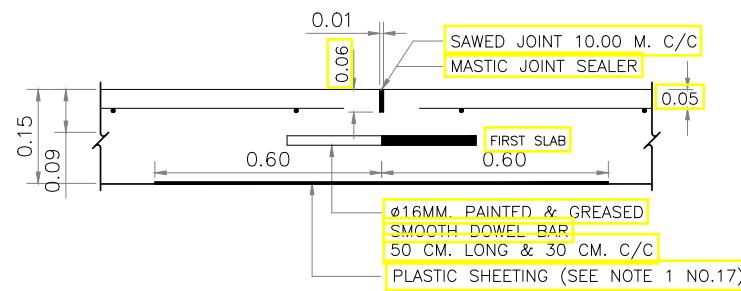
DETAIL OF DUMMY JOINT

NOT TO SCALE



DETAIL OF CONTRACTION JOINT

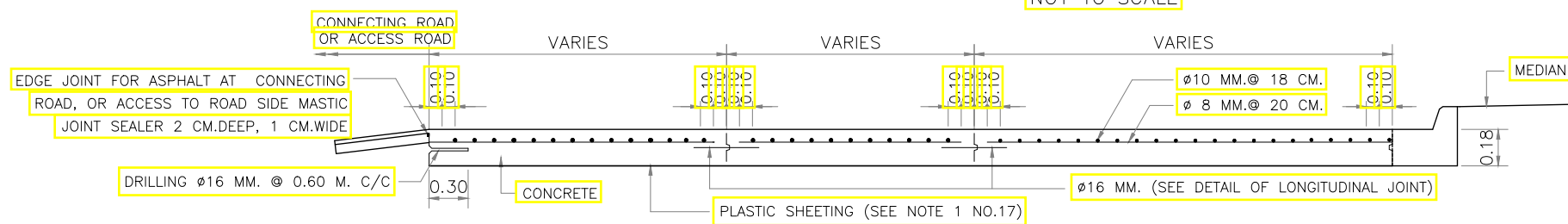
NOT TO SCALE



DETAIL OF CONSTRUCTION JOINT

DETAIL OF TRANSVERSE JOINTS

NOT TO SCALE



REINFORCEMENT DETAIL OF CONCRETE PAVEMENT CROSS-SECTION

NOTES:

- ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED.
- EXPANSION JOINT SHALL BE CONSTRUCTED AT THE INTERVAL OF 350 METERS. IF THE LAST INTERVAL IS LESS THAN 350 METERS, THE INTERVALS SHALL BE AVERAGED BUT BETWEEN 300 AND 350 METERS.
- EXPANSION JOINT SHALL BE PROVIDED AT THE OUTER EDGE OF BOTH SIDES OF THE BOX CULVERT CROSSING.
- MASTIC JOINT SEALER SHALL BE OF THE HOT POURED ELASTIC TYPE CONFORMING TO TIS. 479.
- JOINT FILLER SHALL CONFORM TO THE AASHTO M. 213-74 OR ASTM. D1751-73 SPECIFICATION.
- CONCRETE SHALL BE CLASS C 30
- REINFORCING STEEL BARS SHALL BE HIGH TENSILE STEEL BARS AND SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31 AS FOLLOWS:
  - REINFORCING STEEL BARS WITH DIAMETRE 10mm AND ABOVE SHALL BE DEFORMED BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31 GRADE 60; OTHERWISE INDICATED.
  - REINFORCING STEEL BARS WITH DIAMETRE BELOW 10mm MAY BE PLAIN MILD STEEL BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31 GRADE 40.
- WELDED CAN NOT BE USED.
- CONCRETE PAVEMENT SHALL BE REQUIRED FOR CONCRETE POURING. IN CASE OF NECESSARY POURING CONCRETE BY MAN-POWER, CONCRETE SHALL BE POURED ONLY GAP SPACE NOT MORE THAN 30.00 METERS LONG.
- ALL JOINTS EXCEPT EXPANSION JOINT SHALL BE MADE BY SLOT CUTTING MACHINE ONLY.
- TRAFFIC SHALL BE ALLOWED ONLY IF THE ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE CUBE CONFORMS TO THE REQUIREMENTS OF THE SPECIFICATIONS
- CONSTRUCTION MATERIAL NOT SPECIFIED IN THIS DRAWING SHALL CONFORM TO THE STANDARD OF THE REQUIREMENTS OF THE SPECIFICATIONS.
- BROOMING CONCRETE SURFACE WITH A BROOM OF THE STANDARD TYPE SPECIFIED SHALL BE REQUIRED. THE DIRECTION OF BROOMING SHALL BE PERPENDICULAR TO THE DIRECTION OF TRAFFIC FROM ONE EDGE OR JOINT TO THE OTHER. ONE PHASE OF BROOM SURFACE SHALL PROPERLY OVERLAP WITH ANOTHER. CONCRETE BROOM SURFACE SHALL NOT BE OVER 3 MM. DEPTH. THE SURFACE SHALL BE FREE FROM PORES, HOLES OR LUMPS OF COARSE AGGREGATE OVER THE SURFACE.
- BROOMING SURFACE CONCRETE SHALL CORRESPOND TO THE FIGURE.
- PREPARATION OF JOINT FOR MASTIC JOINT SEALER.
  - THE JOINT SHALL BE CLEANED WITH A BLOWER TO GET RID OF ALL KINDS OF DIRT THE JOINT SHALL BE COMPLETELY DRY.
  - PRIMER SHALL BE APPLIED TO THE JOINT WITH A BRUSH OR SPRAYER THE JOINT SHALL BE LET DRY BEFORE THE POURING OF MASTIC JOINT SEALER WHICH HAS BEEN BOILED AND DISSOLVED BY MEANS OF HEAT CONDUCTIVITY TO THE SPECIFIED TEMPERATURE.
  - JOINTS SHALL BE CUT AND MASTIC JOINT SEALER SHALL BE DROPPED AS SOON AS POSSIBLE.
  - MASTIC JOINT SEALER SHALL BE DROPPED WITH JOINT SEALANT APPLYING MACHINE.
- THE THICKNESS OF FLEXIBLE PAVEMENT CORRESPONDED TO THE FIGURE CONFORMING TO TYPICAL CROSS-SECTION.
- PLASTIC SHEET USED IN CONSTRUCTION SHALL HAVE THE FOLLOWING REQUIREMENTS :
  - THICKNESS OF 0.07 MM. WITH A TOLERANCE OF NOT MORE THAN 7% SHALL BE REQUIRED.
  - WIDTH SHALL NOT BE LESS THAN 1.20 M.
  - IT SHALL BE COLOURLESS, TRANSPARENT AND WATERPROOF, FREE FROM POROUS AREA, TURN AREA AND BLISTERING AREA WHICH ARE VISIBLE BY NAKED EYE. EDGE SHALL BE STRAIGHT.
  - CONTINUOUS LENGTH SHALL BE REQUIREMENT TO THE WIDTH OF TRAFFIC LANES. CONNECTION ALLOWED AT LONGITUDINAL JOINTS WITH NOT LESS THAN 20 CM. OVERLAPPING SHALL BE REQUIRED.

REVISION:		
No.	Description	Date
A	STANDARD DRAWING	5-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

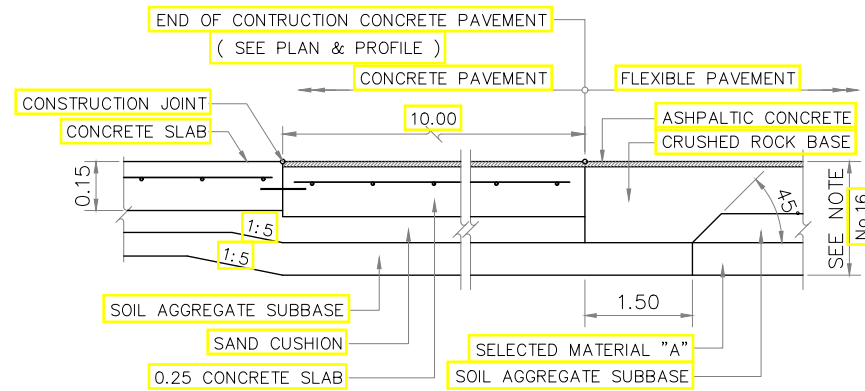
TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

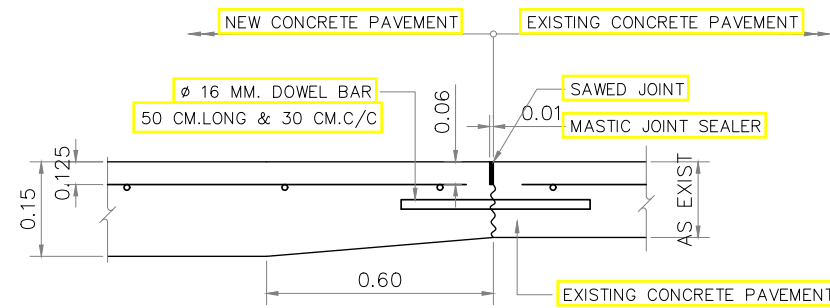


PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : PLAN OF REINFORCED CONCRETE PAVMENT			
SCALE IN A3:	DATE :	DRAWING No. :	SD-01
NOT TO SCALE		LAO - NKS	



DETAIL OF JOINT BETWEEN CONCRETE AND FLEXIBLE PAVEMENT

NOT TO SCALE



DETAIL OF TRANSVERSE JOINT BETWEEN NEW AND EXISTING CONCRETE PAVEMENT

SCALE 1 : 20

NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE INDICATED.
2. EXPANSION JOINT SHALL BE CONSTRUCTED AT THE INTERVAL OF 350 METERS. IF THE LAST INTERVAL IS LESS THAN 350 METERS, THE INTERVALS SHALL BE AVERAGED BUT BETWEEN 300 AND 350 METERS.
3. EXPANSION JOINT SHALL BE PROVIDED AT THE OUTER EDGE OF BOTH SIDES OF THE BOX CULVERT CROSSING.
4. MASTIC JOINT SEALER SHALL BE OF THE HOT POURED ELASTIC TYPE CONFORMING TO TIS. 479.
5. JOINT FILLER SHALL CONFORM TO THE AASHTO M. 213-74 OR ASTM. D1751-73 SPECIFICATION.
6. CONCRETE SHALL BE CLASS C 30
7. REINFORCING STEEL BARS SHALL BE HIGH TENSILE STEEL BARS AND SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31 AS FOLLOWS:
  - REINFORCING STEEL BARS WITH DIAMETRE 10mm AND ABOVE SHALL BE DEFORMED BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31 GRADE 60; OTHERWISE INDICATED.
  - REINFORCING STEEL BARS WITH DIAMETRE BELOW 10mm MAY BE PLAIN MILD STEEL BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31 GRADE 40.
8. WELDED CAN NOT BE USED.
9. CONCRETE PAVER SHALL BE REQUIRED FOR CONCRETE POURING. IN CASE OF NECESSARY POURING CONCRETE BY MAN-POWER, CONCRETE SHALL BE POURED ONLY GAP SPACE NOT MORE THAN 30.00 METERS LONG.
10. ALL JOINTS EXCEPT EXPANSION JOINT SHALL BE MADE BY SLOT CUTTING MACHINE ONLY.
11. TRAFFIC SHALL BE ALLOWED ONLY IF THE ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE CUBE CONFORMS TO THE REQUIREMENTS OF THE SPECIFICATIONS
12. CONSTRUCTION MATERIAL NOT SPECIFIED IN THIS DRAWING SHALL CONFORM TO THE STANDARD OF THE REQUIREMENTS OF THE SPECIFICATIONS.
13. BROOMING CONCRETE SURFACE WITH A BROOM OF THE STANDARD TYPE SPECIFIED SHALL BE REQUIRED. THE DIRECTION OF BROOMING SHALL BE PERPENDICULAR TO THE DIRECTION OF TRAFFIC FROM ONE EDGE OR JOINT TO THE OTHER. ONE PHASE OF BROOM SURFACE SHALL PROPERLY OVERLAP WITH ANOTHER. CONCRETE BROOM SURFACE SHALL NOT BE OVER 3 MM. DEPTH. THE SURFACE SHALL BE FREE FROM PORES, HOLES OR LUMPS OF COARSE AGGREGATE OVER THE SURFACE.
14. BROOMING SURFACE CONCRETE SHALL CORRESPOND TO THE FIGURE.
15. PREPARATION OF JOINT FOR MASTIC JOINT SEALER.
  - 15.1 THE JOINT SHALL BE CLEANED WITH A BLOWER TO GET RID OF ALL KINDS OF DIRT THE JOINT SHALL BE COMPLETELY DRY.
  - 15.2 PRIMER SHALL BE APPLIED TO THE JOINT WITH A BRUSH OR SPRAYER THE JOINT SHALL BE LET DRY BEFORE THE POURING OF MASTIC JOINT SEALER WHICH HAS BEEN BOILED AND DISSOLVED BY MEANS OF HEAT CONDUCTIVITY TO THE SPECIFIED TEMPERATURE.
  - 15.3 JOINTS SHALL BE CUT AND MASTIC JOINT SEALER SHALL BE DROPPED AS SOON AS POSSIBLE.
  - 15.4 MASTIC JOINT SEALER SHALL BE DROPPED WITH JOINT SEALANT APPLYING MACHINE.
16. THE THICKNESS OF FLEXIBLE PAVEMENT CORRESPONDED TO THE FIGURE CONFORMING TO TYPICAL CROSS-SECTION.
17. PLASTIC SHEET USED IN CONSTRUCTION SHALL HAVE THE FOLLOWING REQUIREMENTS :
  - 17.1 THICKNESS OF 0.07 MM. WITH A TOLERANCE OF NOT MORE THAN 7% SHALL BE REQUIRED.
  - 17.2 WIDTH SHALL NOT BE LESS THAN 1.20 M.
  - 17.3 IT SHALL BE COLOURLESS, TRANSPARENT AND WATERPROOF, FREE FROM POROUS AREA, TURN AREA AND BLISTERING AREA WHICH ARE VISIBLE BY NAKED EYE. EDGE SHALL BE STRAIGHT.
  - 17.4 CONTINUOUS LENGTH SHALL BE REQUIREMENT TO THE WIDTH OF TRAFFIC LANES. CONNECTION ALLOWED AT LONGITUDINAL JOINTS WITH NOT LESS THAN 20 CM. OVERLAPPING SHALL BE REQUIRED.

REVISION:		
No.	Description	Date
A	STANDARD DRAWING	5-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

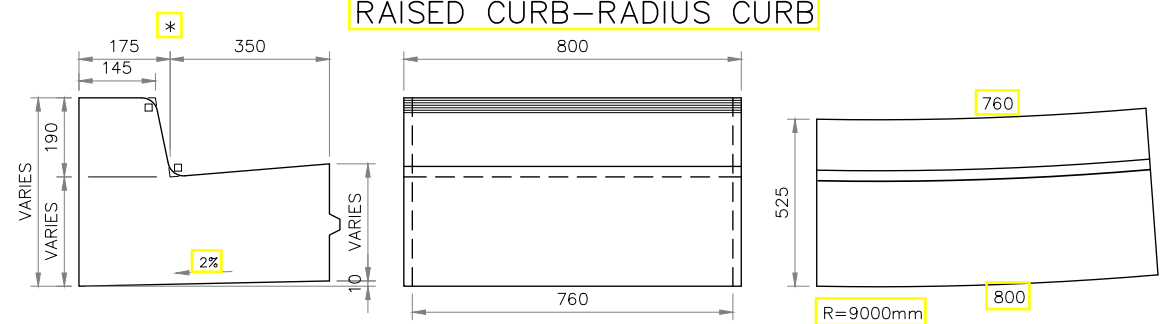


PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

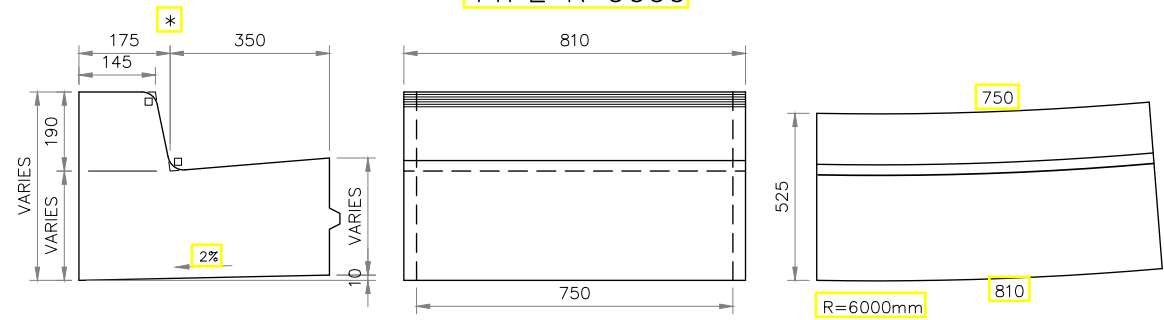
DRAWING TITLE : DETAIL OF TRANSVERSE JOINT			
SCALE IN A3:	DATE :	DRAWING No. :	SD-02
NOT TO SCALE		LAO - NKS	



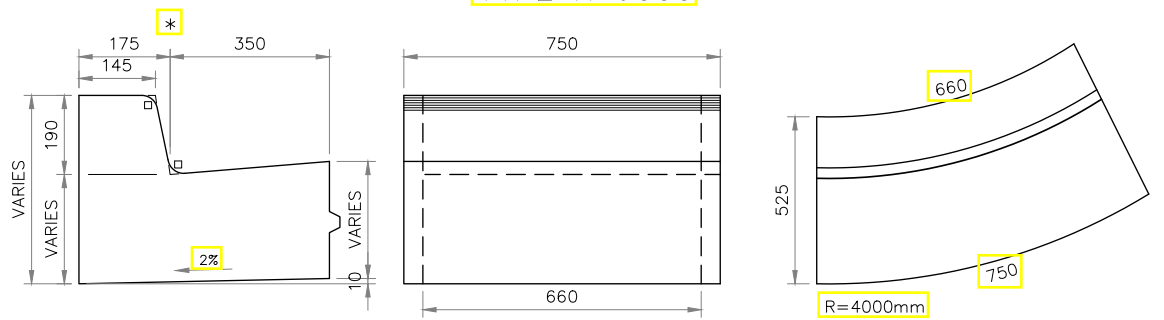
**RAISED CURB-RADIUS CURB**



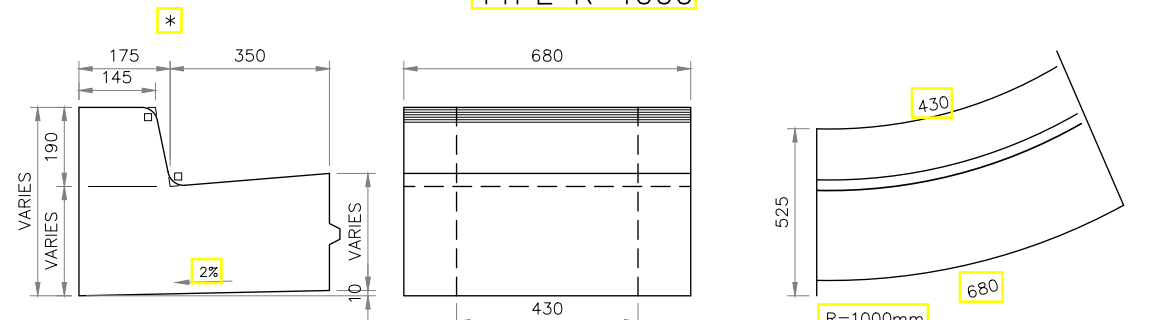
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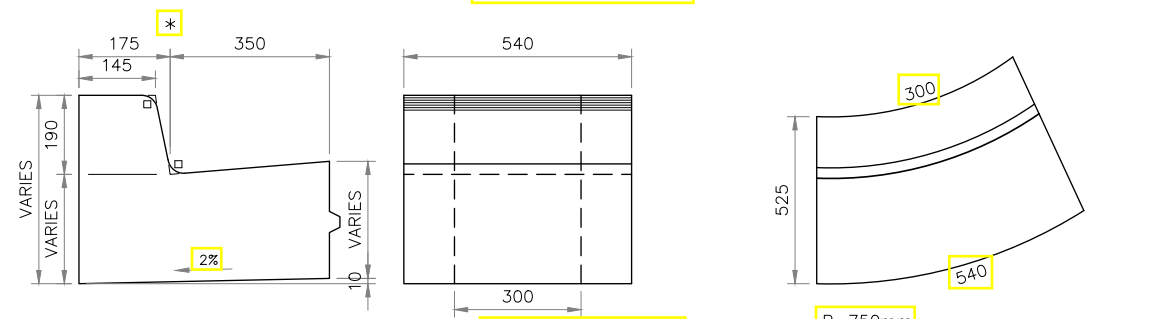
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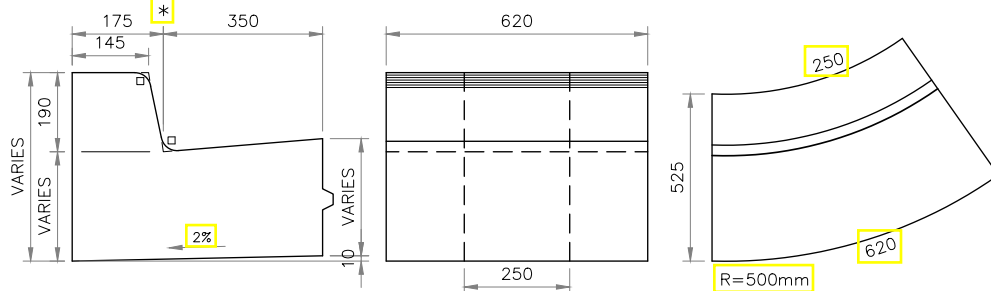
**TYPE R 4000**



**TYPE R 1000**

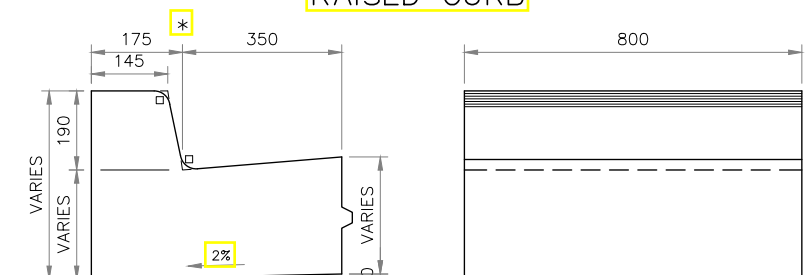


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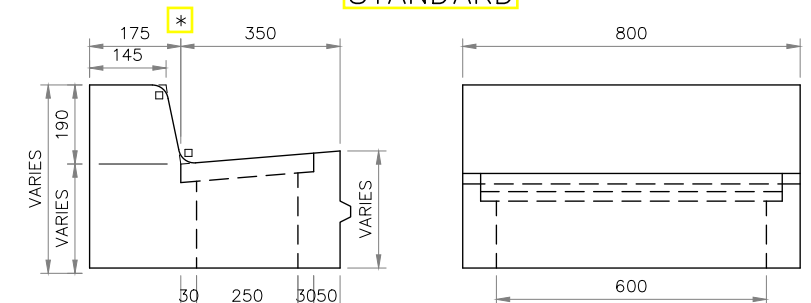
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**RAISED CURB**



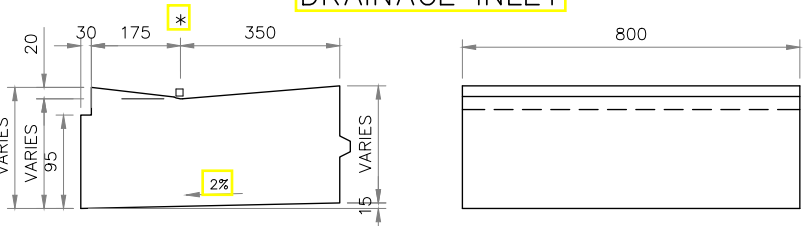
**TYPE A1**

**STANDARD**



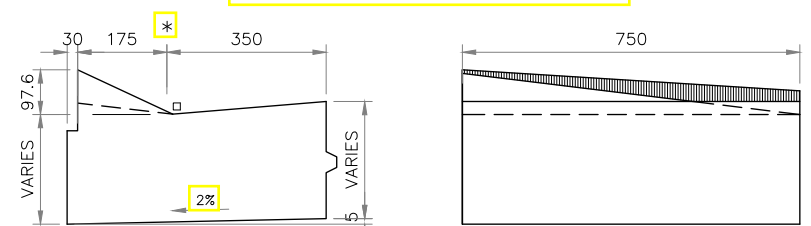
**TYPE D1**

**DRAINAGE INLET**



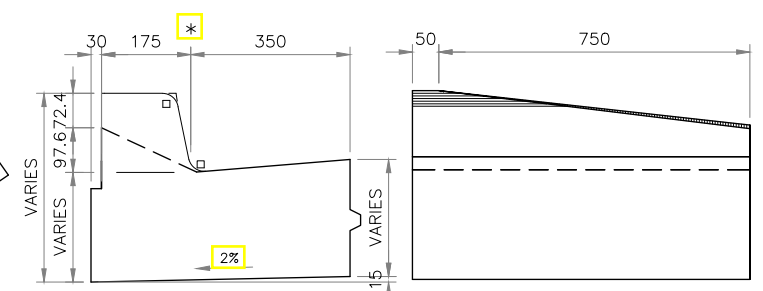
**TYPE M1**

**MOUNTABLE CURBSTONE**



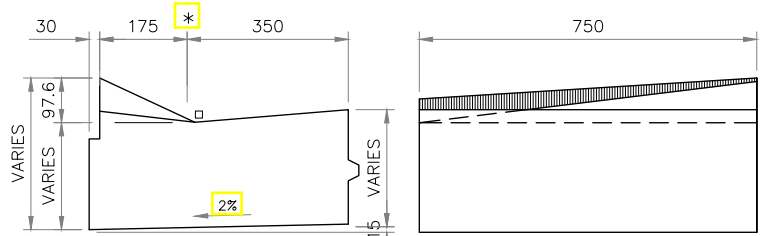
**TYPE TL1**

**TRANSITION CURBSTONE FOR LEFT SIDE**



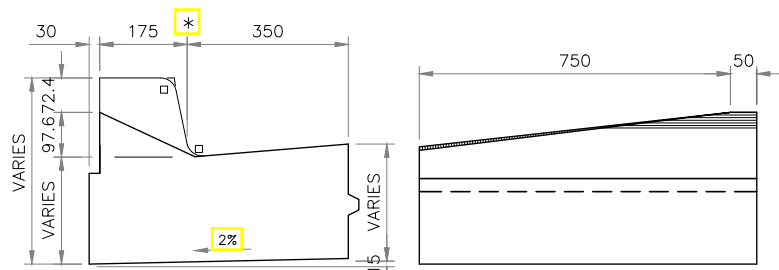
**TYPE TL2**

**TRANSITION CURBSTONE FOR LEFT SIDE**



**TYPE TR1**

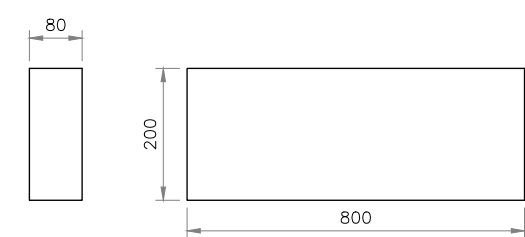
**TRANSITION CURBSTONE FOR RIGHT SIDE**



**TYPE TR2**

**TRANSITION CURBSTONE FOR RIGHT SIDE**

**BORDER CURB**  
**TYPE B**  
**(BORDERING BLOCK)**



**NOTES :**

- 1. ALL MEASUREMENTS IN MILLIMETER.
- 2. CONCRETE SHALL BE CLASS 25 MPa.

**LEGEND:**

- R 30 RADIUS
- \* NORMAL CURB LINE FOR SETTING OUT.

REVISION:		
No.	Description	Date
A	STANDARD DRAWING	5-11-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_



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TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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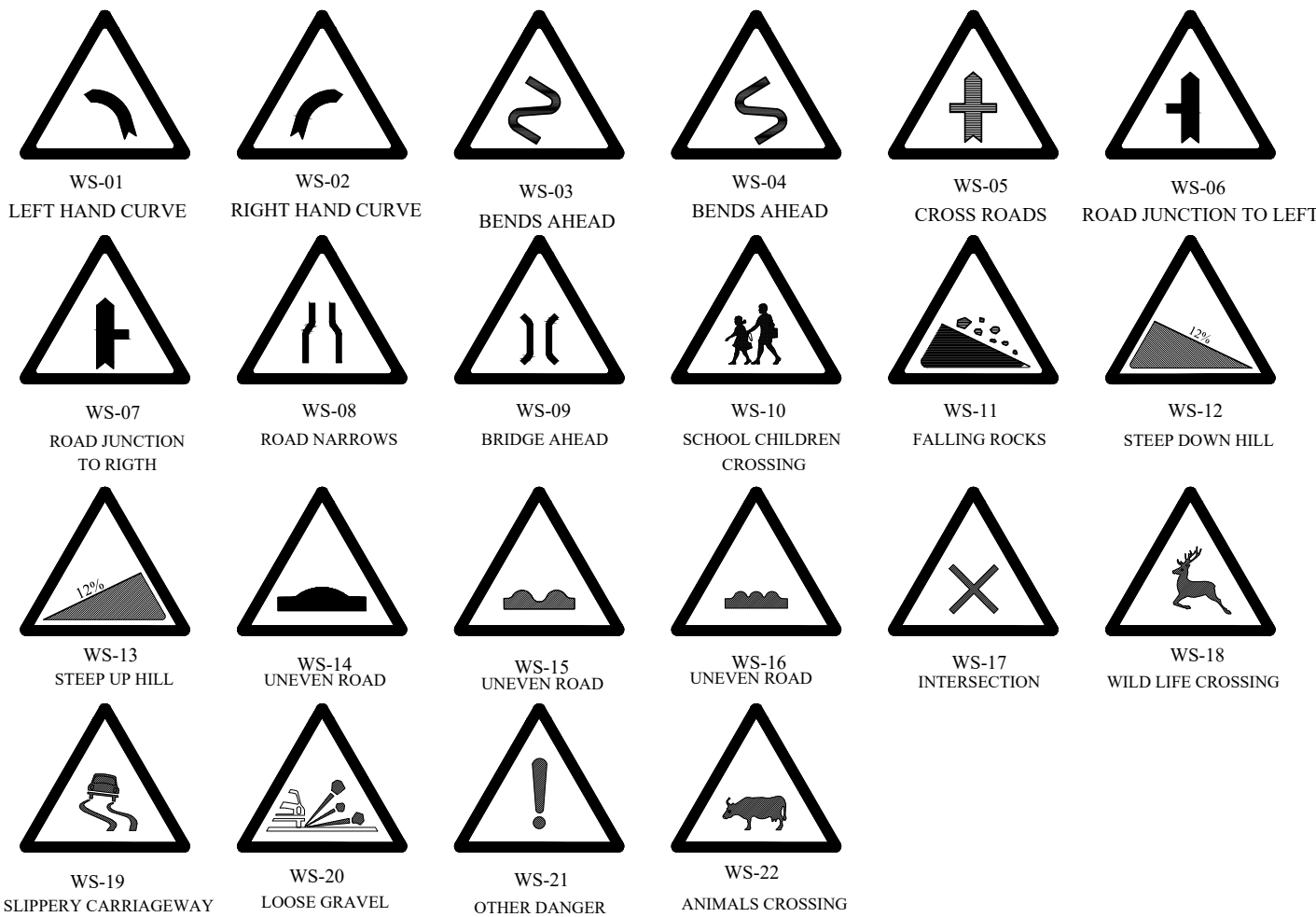
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



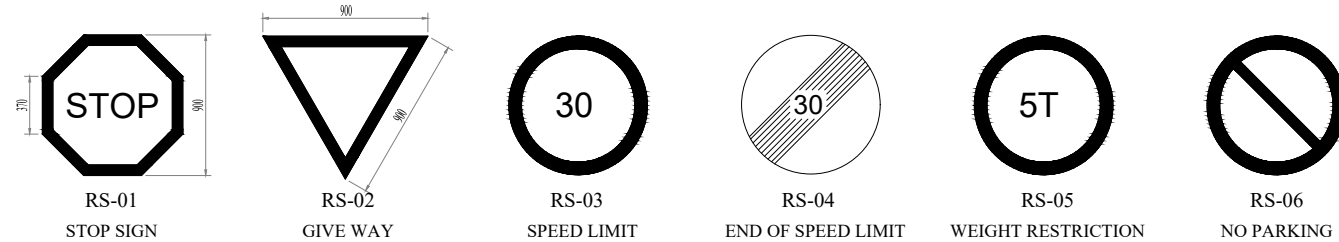
PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : CONCRETE CURB FOR CONCRETE PAVEMENT

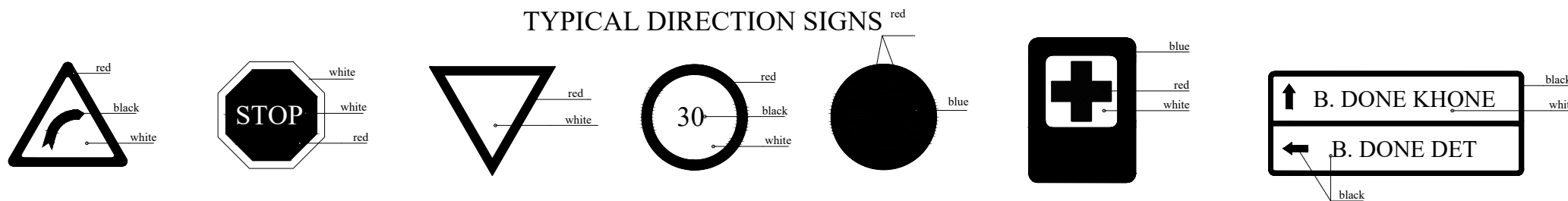
SCALE IN A3: NOT TO SCALE	DATE :	DRAWING No. : LAO - NKS	SDR-03
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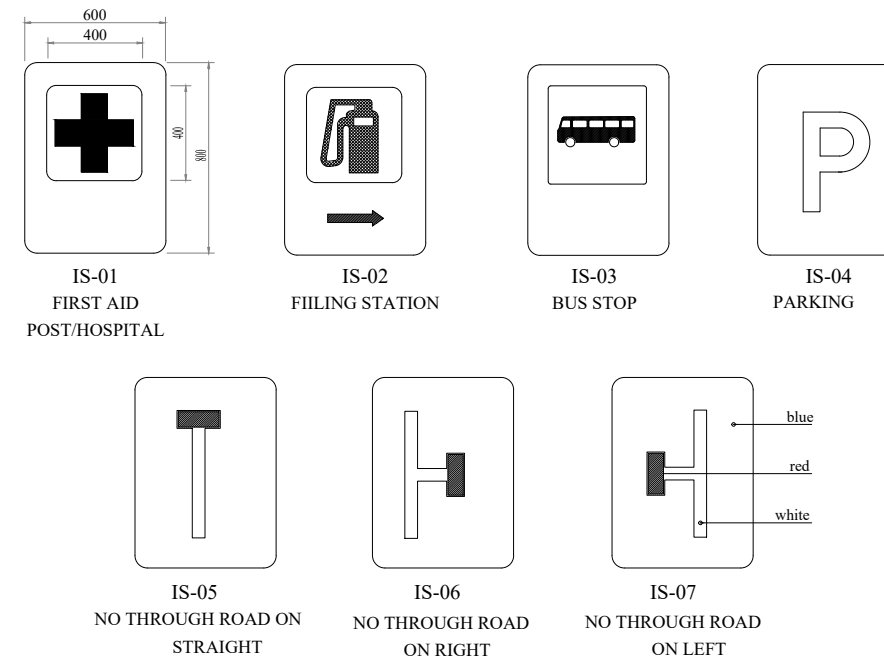
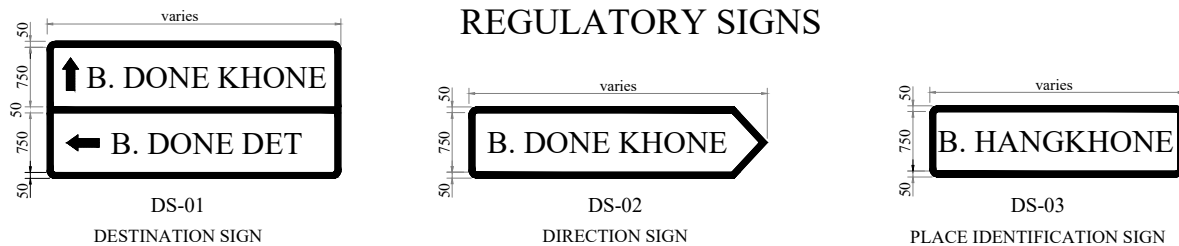
WARNING SIGNS



TYPICAL DIRECTION SIGNS



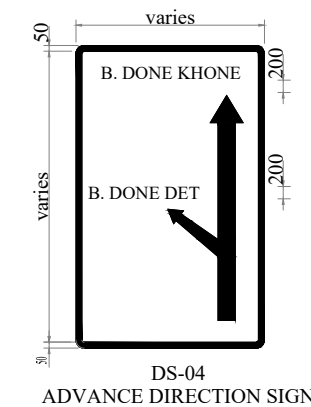
REGULATORY SIGNS



INFORMATION SIGNS

SIGN TYPE	< 80kph		≥ 80kph	
	FACE (mm)	BORDER (mm)	FACE (mm)	BORDER (mm)
WARNING SIGNS	600	55	900	75
STOP		55	900	75
	900	75	900	75
REGULATORY	600	75	900	75

SIGN SIZES



REVISION:		
No.	Description	Date
A	STANDARD DRAWING	5-11-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:  
DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



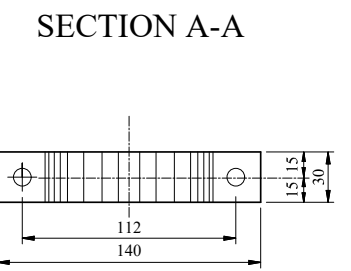
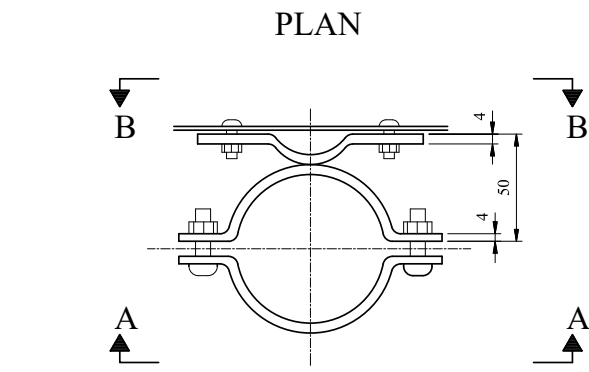
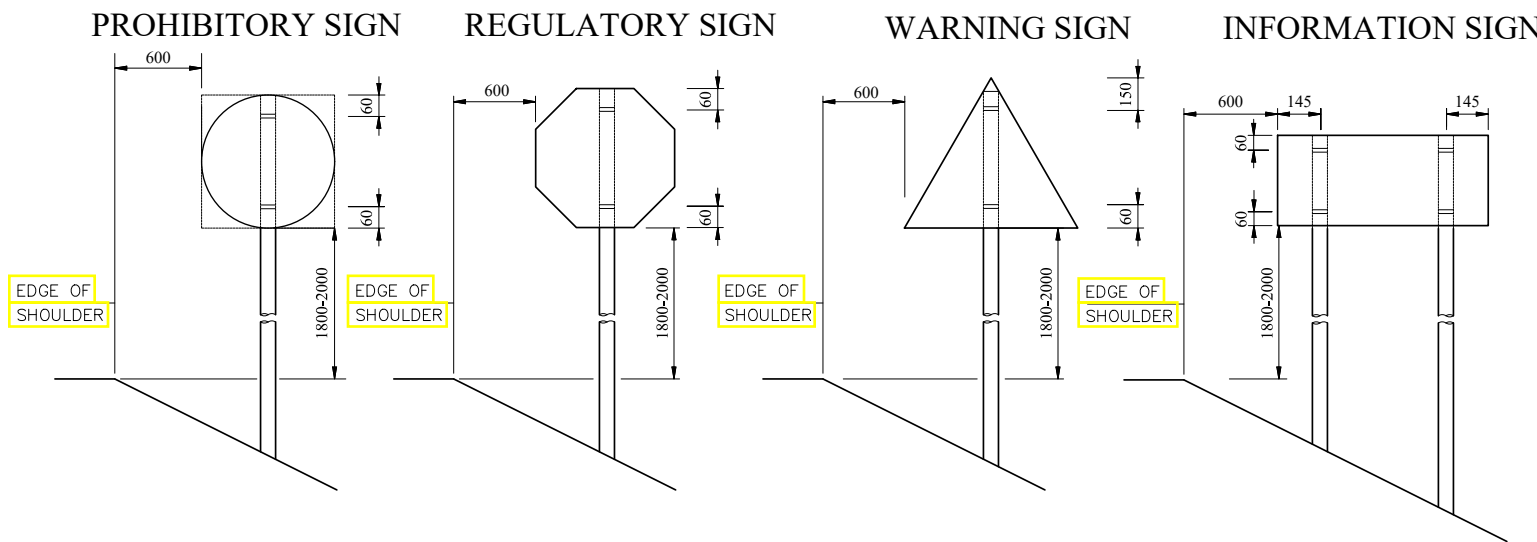
PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : TRAFFIC SIGNS

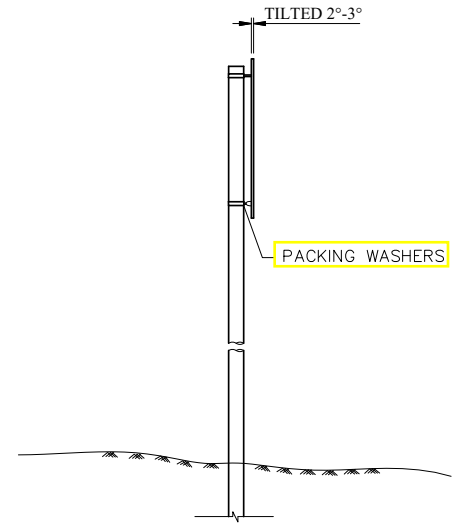
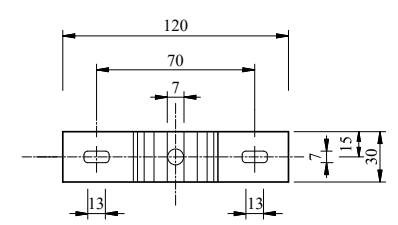
SCALE IN A3: NOT TO SCALE	DATE :	DRAWING No. : LAO - NKS	SD-04
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# TRAFFIC CONTROL DEVICES, ROAD SIGNS GENERAL LAY OUT OF SIGNS

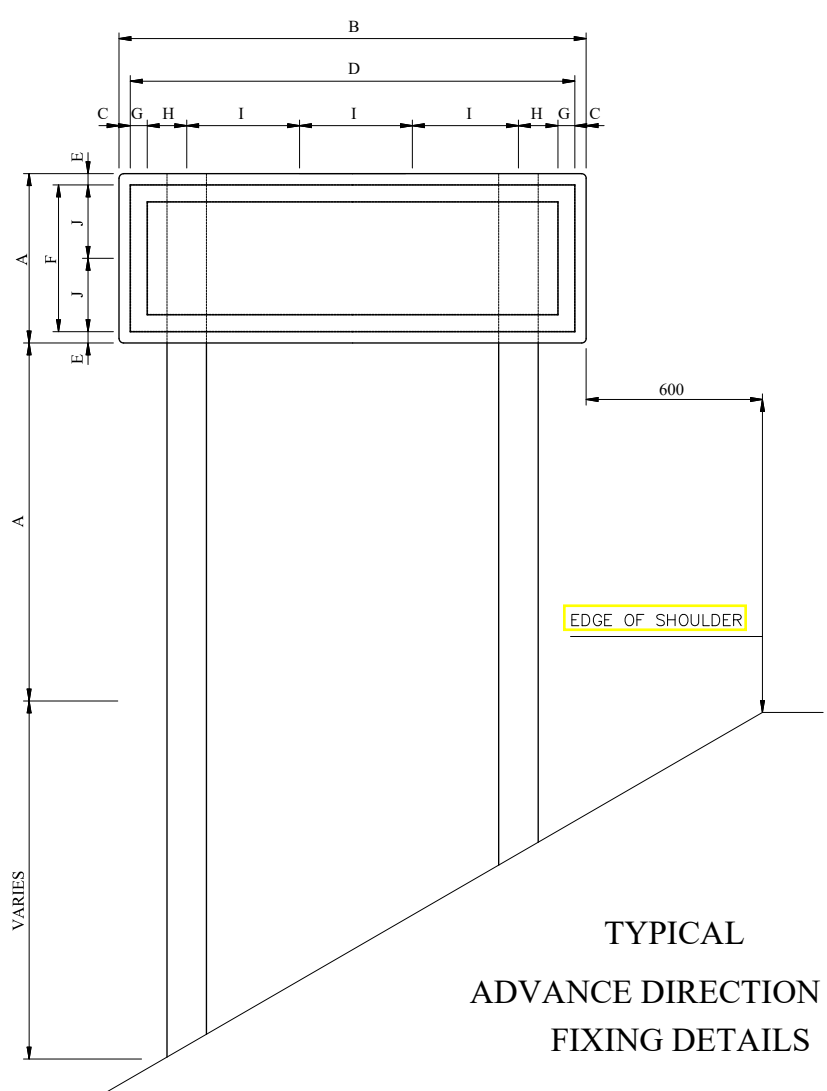
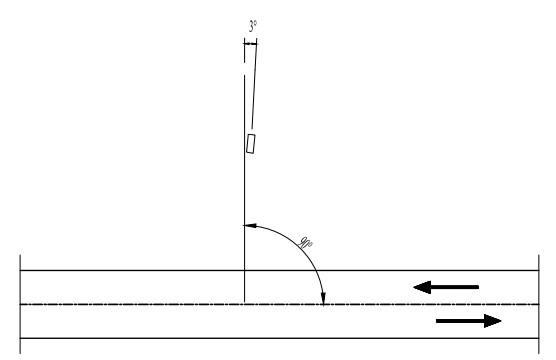
## SIGN LOCATIONS



### SECTION B-B DETAIL OF FIXING ALL TYPE OF SIGN BOARDS



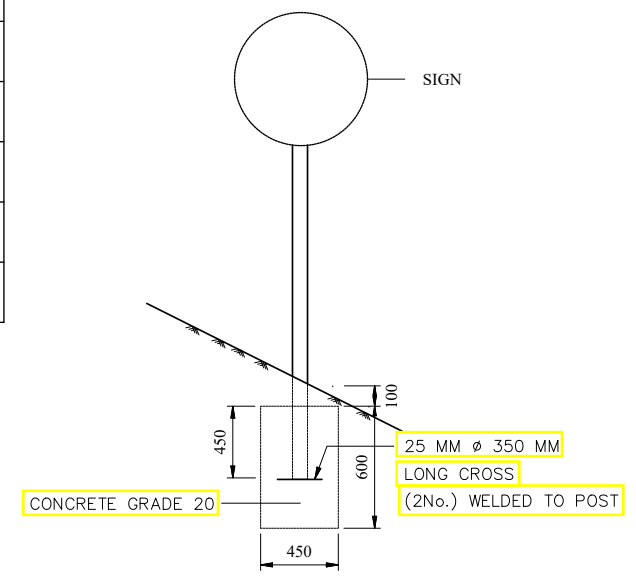
### ORIENTATION OF SIGN FACE



### THE TABLE SIZE OF SIGN

SIGN SIZE (Cm)		DIMENSIONS (Cm)									
WIDTH	LENGTH	C	D	E	F	G	H	I	J		
75	210	5	200	5	65	7.5	17.5	50	32.5		
90	240	20	200	12.5	65	7.5	17.5	50	32.5		
60	210	5	200	5	50	7.5	17.5	50	25		
75	240	20	200	12.5	50	7.5	17.5	50	25		
75	180	5	170	5	65	7.5	17.5	40	32.5		
90	180	5	170	12.5	65	7.5	17.5	40	32.5		
60	180	5	170	5	50	7.5	17.5	40	25		
75	180	5	170	12.5	50	7.5	17.5	40	25		
65	180	5	170	5	55	7.5	17.5	40	27.5		
90	180	5	170	12.5	55	7.5	17.5	40	27.5		

### FOUNDATION DETAIL



REVISION:		
No.	Description	Date
A	STANDARD DRAWING	5-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

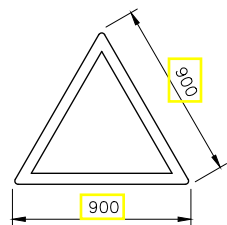
**Norconsult**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

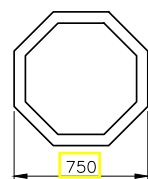
DRAWING TITLE : TRAFFIC CONTROL DEVICES ROAD SIGNS 1/2

SCALE IN A3: NOT TO SCALE      DATE :      DRAWING No. : LAO - NKS      SD-05

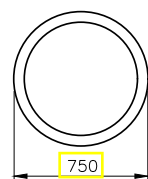
WARNING SIGN



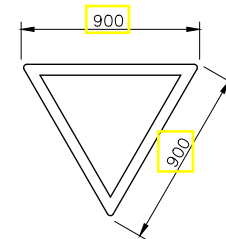
REGULATORY SIGN



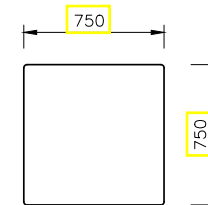
PROHIBITORY SIGN



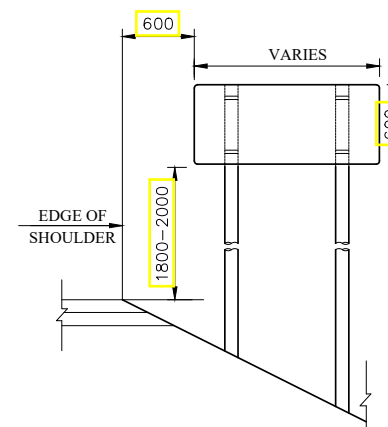
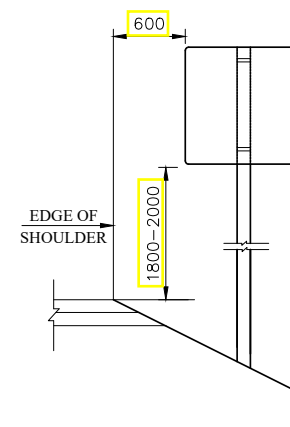
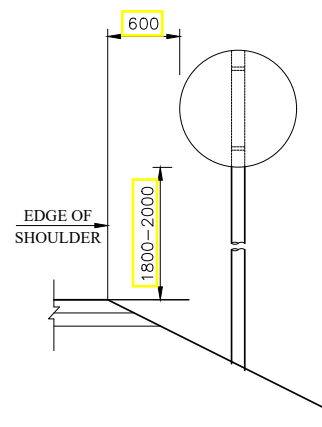
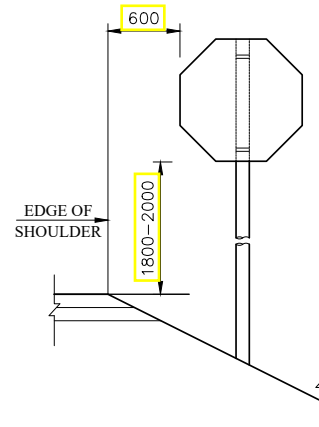
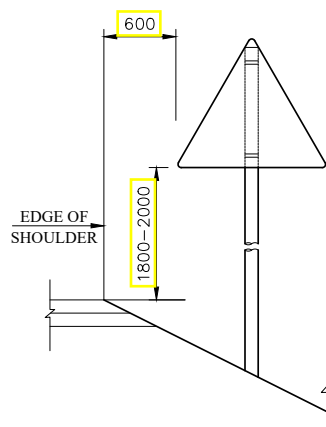
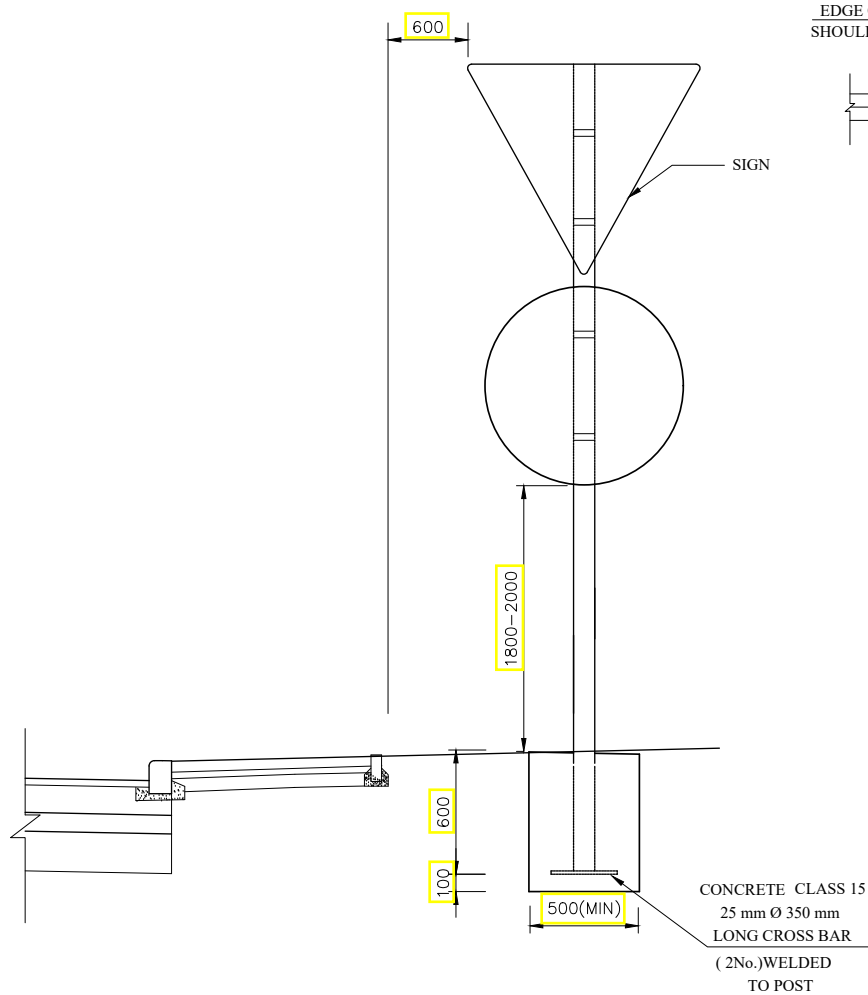
GIVEWAY SIGN



GUIDE SIGN



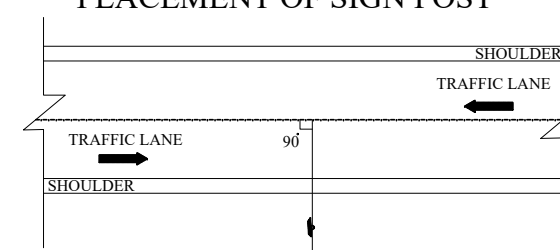
INSTALLATION OF SIGN POST  
TYPE A2



NARROW PORTION OF SIGN	EDGE SIGN LINE	SIGN CENTERLINE	SIGN CURVE RADIUS
600	50	40	30
750	60	50	30.7
900	70	60	40.5

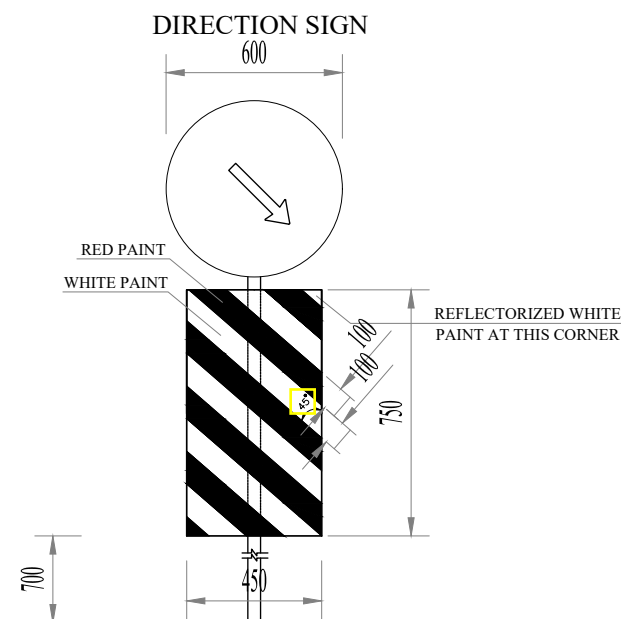
\* THE NUMBER IN THIS TABLE ARE IN MM

PLACEMENT OF SIGN POST



NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
- SIGN PLATE SHALL BE MADE OF 2mm. THICK ALUMINIUM ALLOY.
- ALUMINIUM ALLOY SIGN PLATE SHALL CONFORM TO.
- UNLESS OTHERWISE INDICATED SIGNS AND THEIR SUPPORTS SHALL BE OF THE SIZES, COLOURS AND TYPES PRESCRIBED BY, AND SITE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE DEPARTMENT'S TRAFFIC CONTROL DEVICE MANUAL, PART I ISSUED.
- REFLECTIVE SHEETING SHALL CONFORM TO ENGINEER GRADE AND HIGH INTENSITY GRADE
- SIGN FRAME SHALL BE MADE OF 50x25x1.6mm. STEEL RECTANGULAR TUBING FRAME WELDED AND SMOOTHED IN PRIMING. PAINT FOR FRAME SHALL BE RUST PREVENTIVE PAINT (REDLEAD BASED PRIMER FOR IRON AND STEEL SURFACED ,TYPE 3) WHICH CONFORMS TO; THE SUCCEEDING COATING SHALL BE PAINTED WITH BLACK METAL PAINT.
- LENGTH OF SIGN POSTS AND POSITIONS OF HOLES STATED IN THE DRAWING ARE FOR THE MIN. SIZE ONLY. THESE LENGTHS AND POSITION OF HOLES SHALL BE ADJUSTED DEPENDING ON SITE CONDITIONS.
- BACK OF SIGN, CLOSE TO EDGE OF PAVEMENT SIDE, SHALL BE STAMPED WITH DEPTH NOT LESS THAN 0.5 mm.
- CONCRETE SHALL MEET THE REQUIREMENTS OF CONCRETE CLASS 15.
- CLEAR CONCRETE COVER SHALL BE 30mm.
- REINFORCING STEEL SHALL CONFORM TO AASHTO M 31.



REVISION:		
No.	Description	Date
A	STANDARD DRAWING	5-11-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:  
DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

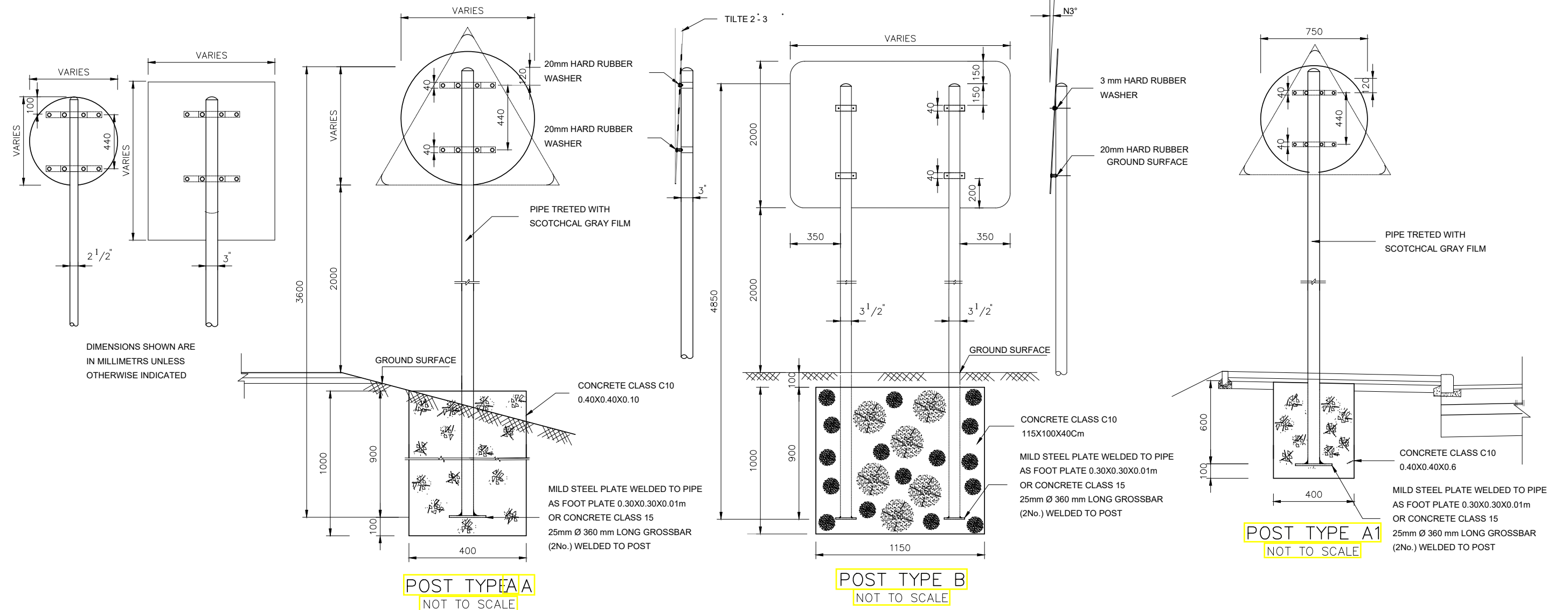
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



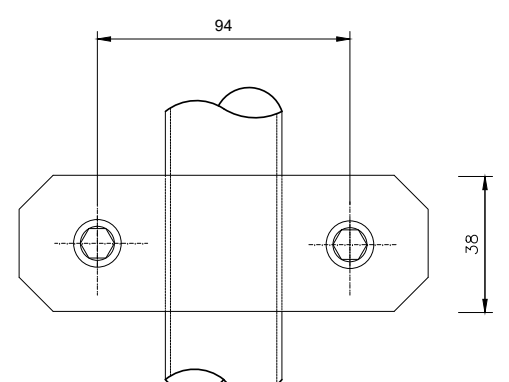
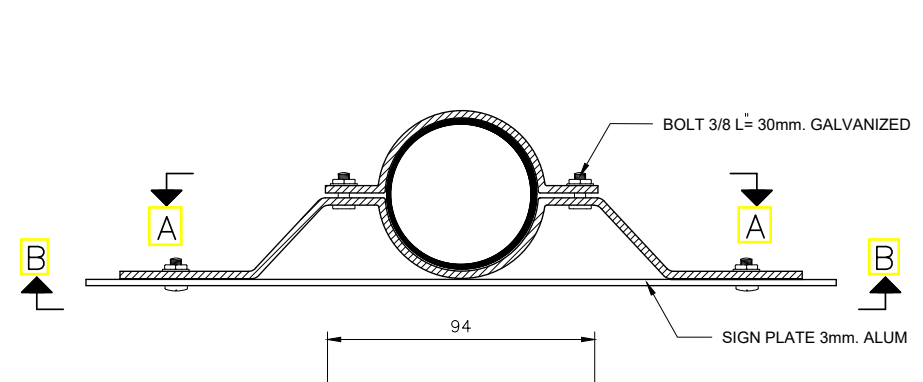
PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : TRAFFIC CONTROL DEVICES ROAD SIGNS 2/2

SCALE IN A3: NOT TO SCALE  
DATE :  
DRAWING No. : LAO - NKS  
SD-06



THE SIGN HAS TO BE TILTED BACK BY MEANS OF HARD RUBBER WASHER 3mm. OR 20mm. THICKNESS




REVISION:		
No.	Description	Date
A	STANDARD DRAWING	5-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_  
 TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
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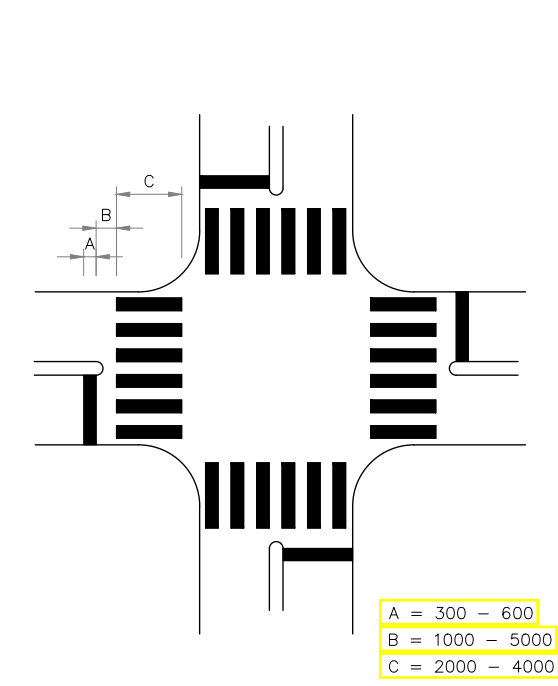
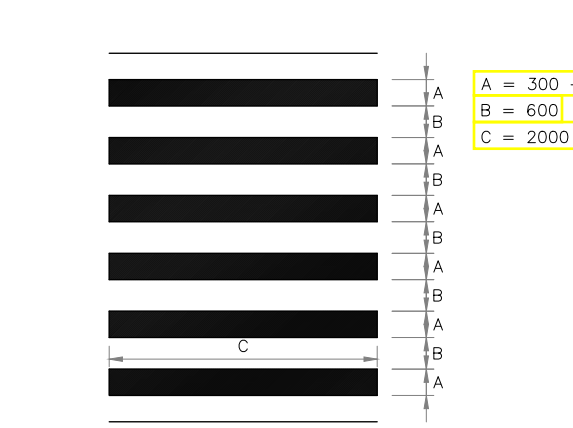
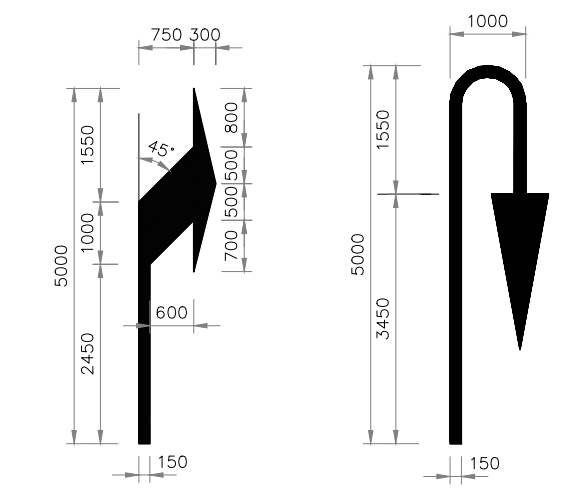
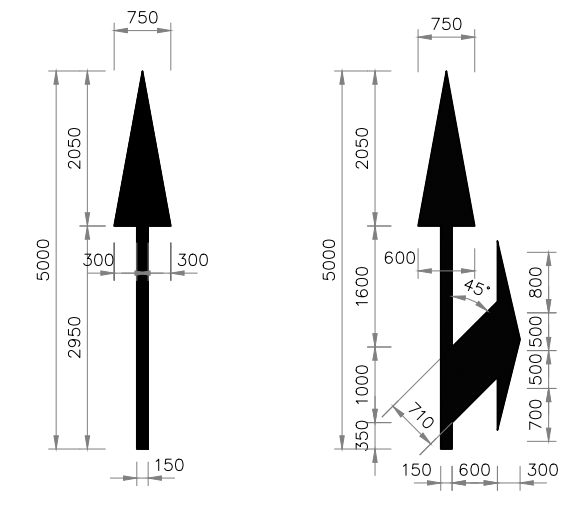
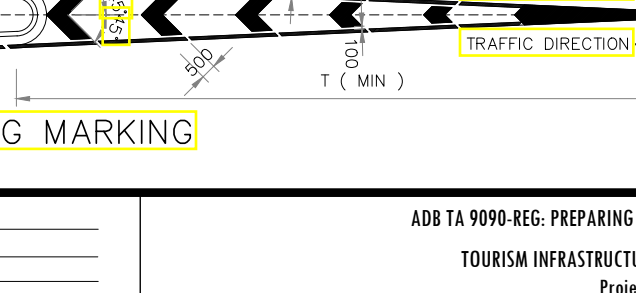
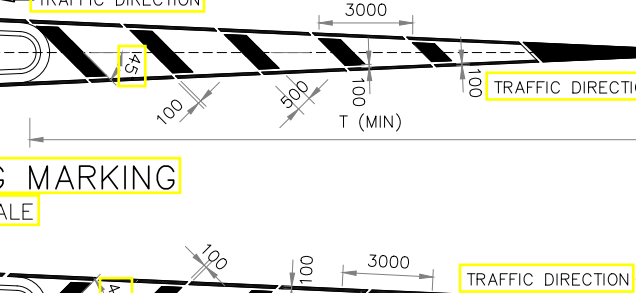
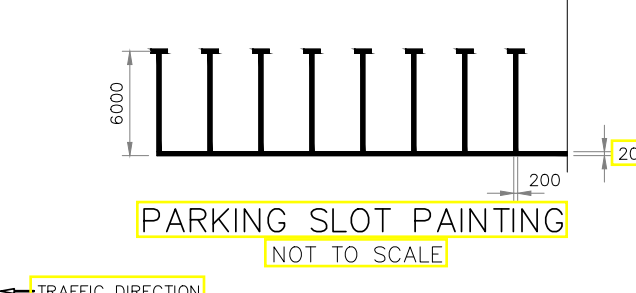
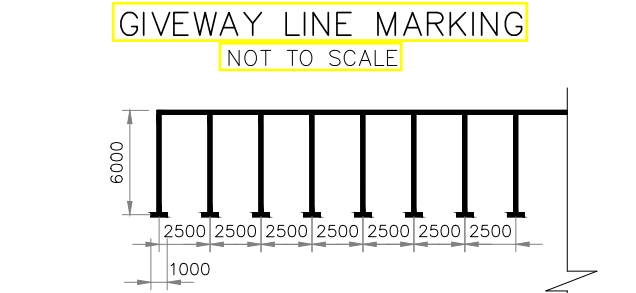
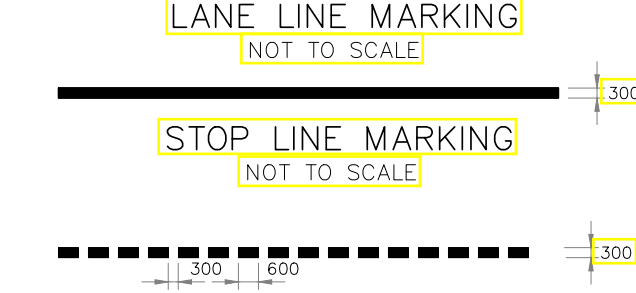
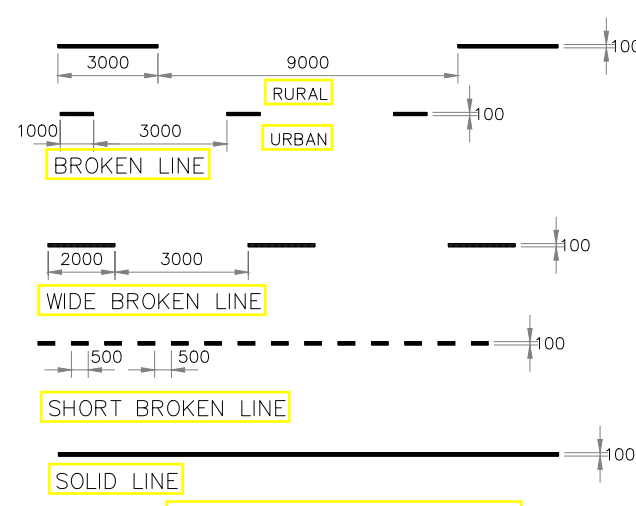
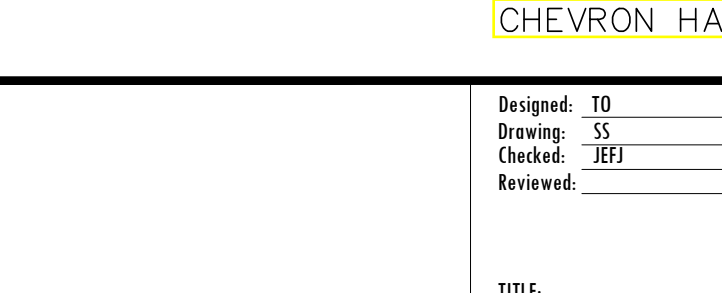
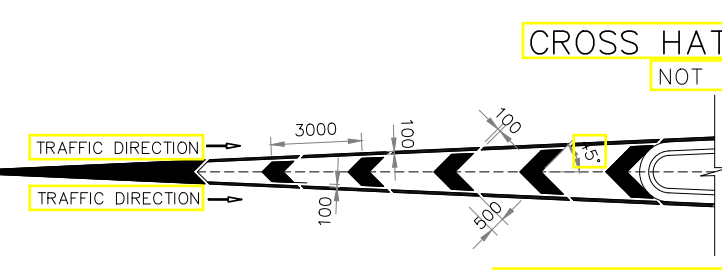
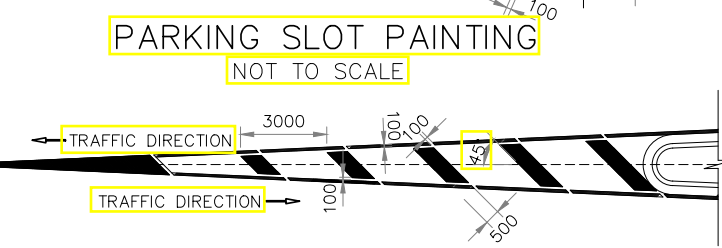
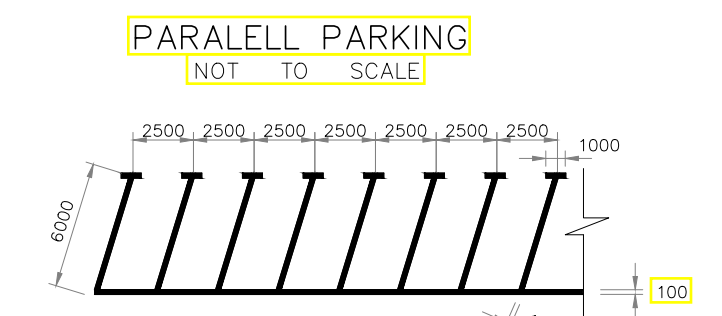
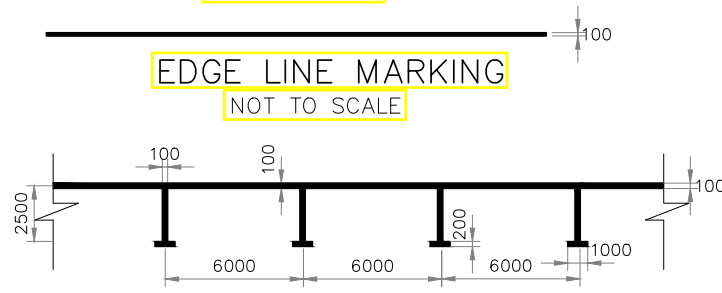
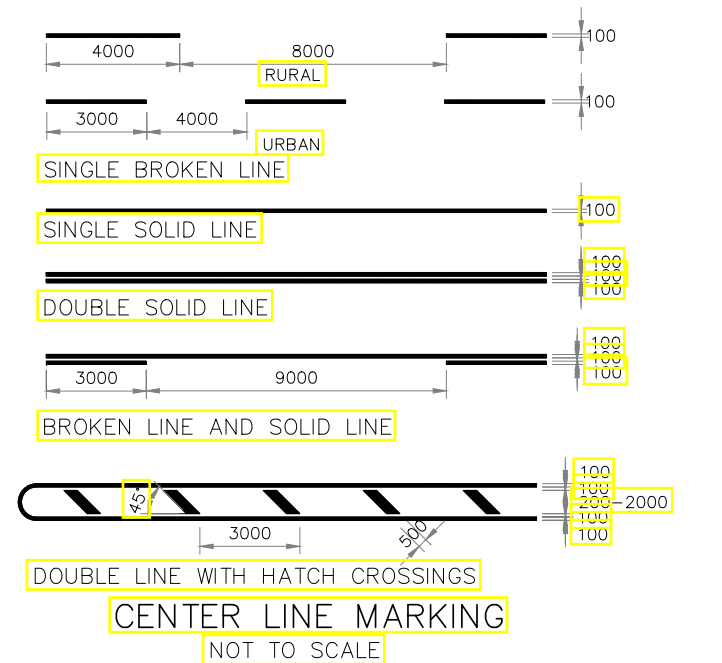


**Norconsult**     

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : SIGNS INSTALLATION

SCALE IN A3: NOT TO SCALE	DATE :	DRAWING No. : LAO - NKS	SD-07
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DESIGN SPEED (Km/h)	T (m)
20	15
30	20
40	25
50	30
60	40

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
  - PAINT SHALL BE THERMAL PLASTIC MATERIAL INCORPORATING GLASS BEAD AND CONFORMING WITH AASHTO M 249
  - GLASS BEADS SHALL CONFORM TO AASHTO M 247 ( TYPE 2 )

REVISION:		
No.	Description	Date
A	STANDARD DRAWING	5-11-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:  
DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

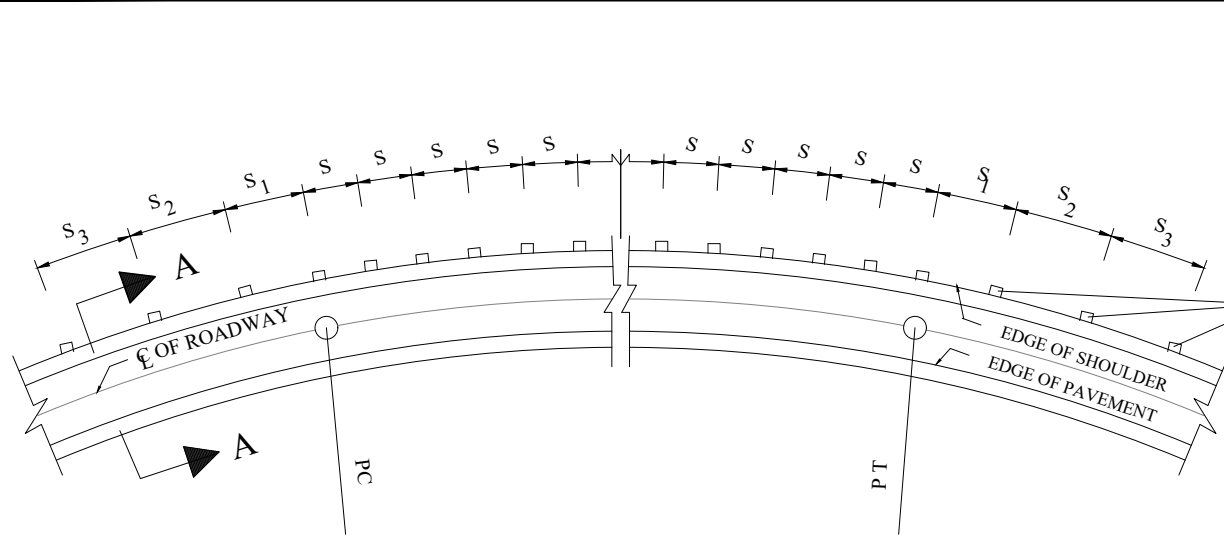
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



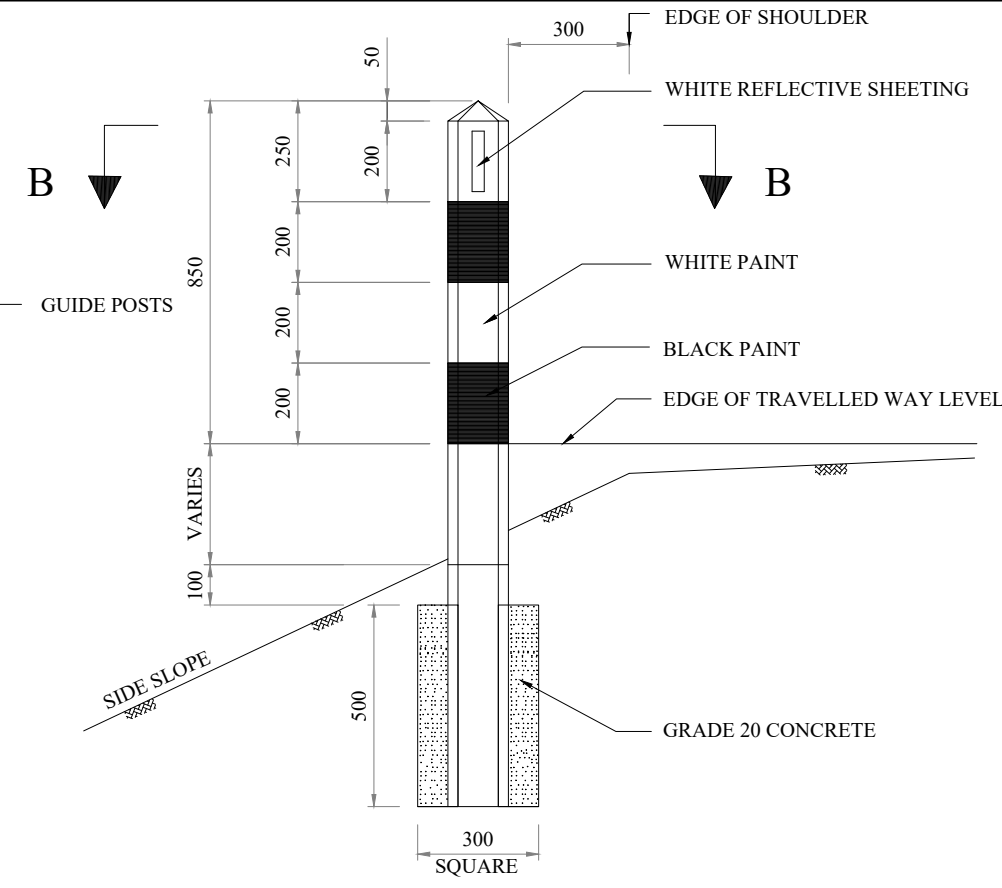
PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : TRAFFIC CONTROL MARKING LINE, ARROW AND HATCHING MARKINGS

SCALE IN A3: NOT TO SCALE	DATE :	DRAWING No. : LAO - NKS	SD-08
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PLAN

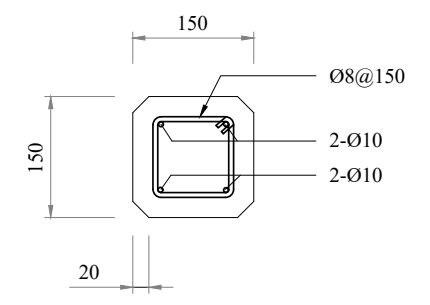


DETAIL 1

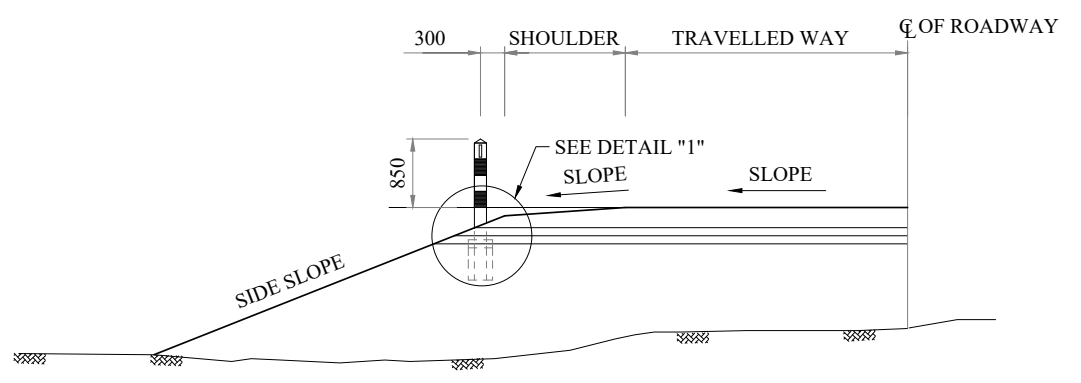
- NOTES:
1. DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED.
  2. POST SHALL BE ERECTED TRULY VERTICAL
  3. CONCRETE FOR POST SHALL BE GRADE 25.
  4. REINFORCEMENT SHALL BE GRADE 40.
  5. COVER TO REINFORCEMENT TO BE 30mm MINIMUM
  6. GUIDE POSTS SHALL ONLY BE USED WHERE INSTRUCTED BY THE ENGINEER.

RADIUS OF CURVE (METRES)	SPACING OF GUIDE POST (METRES)			
	S	S <sub>1</sub>	S <sub>2</sub>	S <sub>3</sub>
≤ 74	4	7	12	24
75-99	6	11	18	36
100-149	7	13	21	42
150-199	8	14	24	48
200-299	9	16	27	54
300-499	10	18	30	60
500-999	15	27	45	60
1000-1500	21	38	60	60

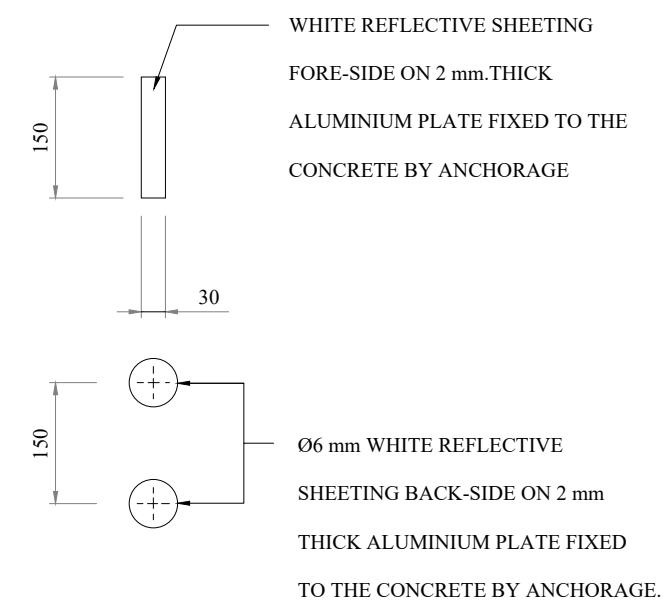
TABLE OF TYPICAL SPACING OF GUIDE POSTS



SECTION B-B



PART SECTION A-A



REVISION:		
No.	Description	Date
A	STANDARD DRAWING	5-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

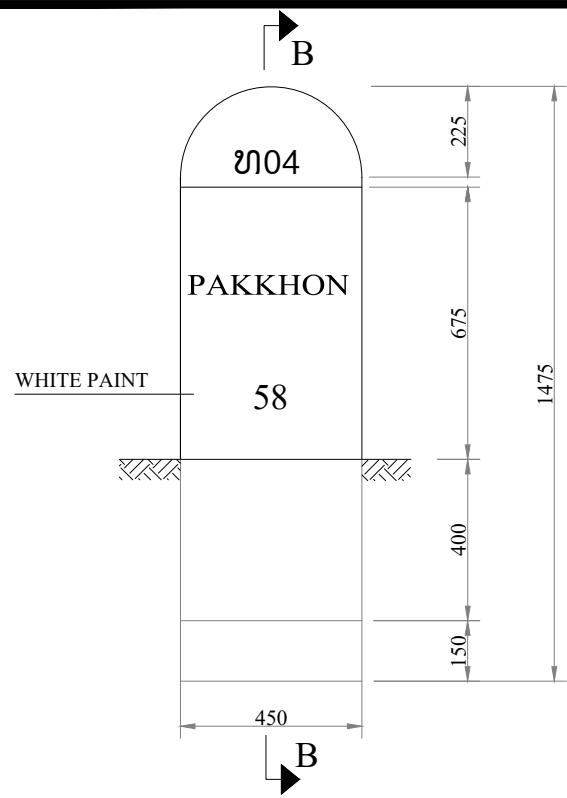
ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

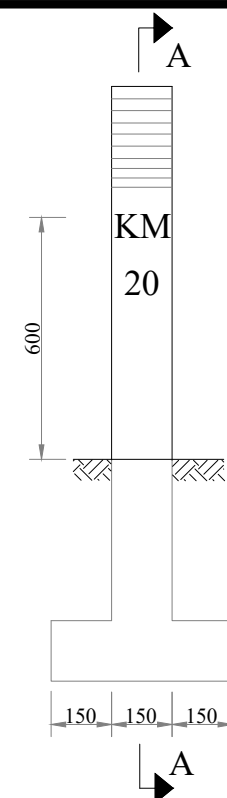


PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

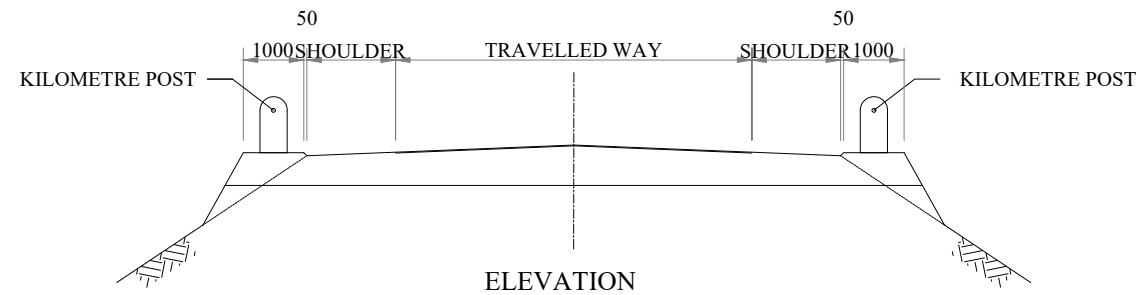
DRAWING TITLE : GUIDE POSTS		DRAWING No. : _____	
SCALE IN A3: NOT TO SCALE	DATE : _____	LAO - NKS	SD-09



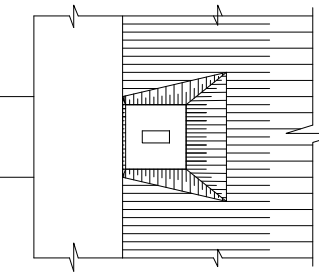
END ELEVATION



SIDE ELEVATION

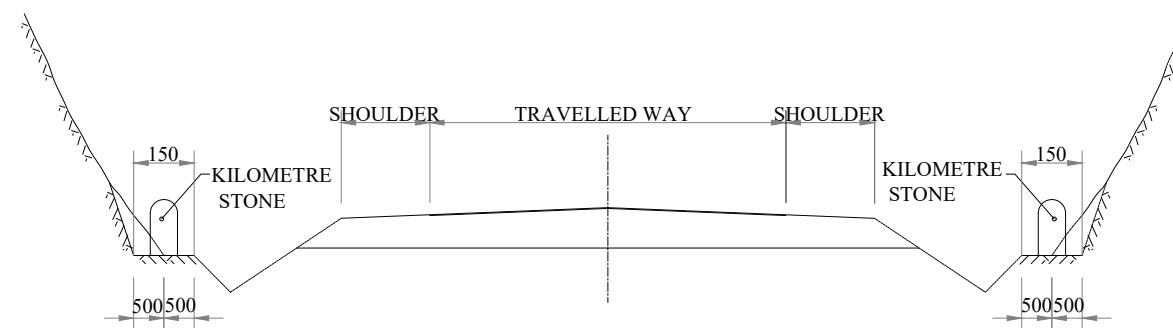


ELEVATION

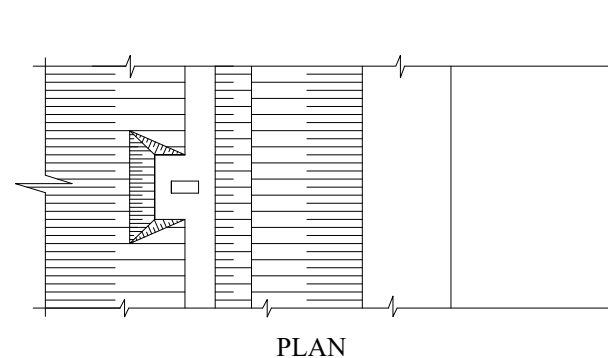


PLAN

LOCATION OF KILOMETRE POST IN FILL

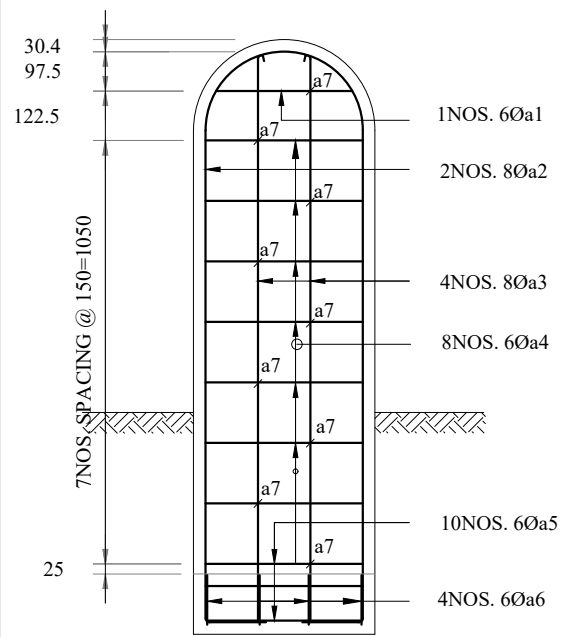


ELEVATION

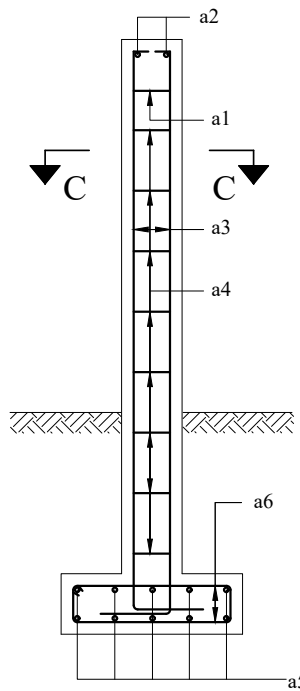


PLAN

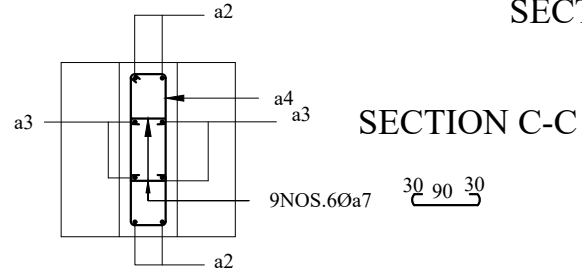
LOCATION OF KILOMETRE POST IN CUT



SECTION A-A



SECTION B-B



SECTION C-C

SERIAL No	BAR MARK	SHARE OF BAR	DIAMETER (mm)	NOS	LENGTH (mm)	TOTAL LENGTH (m)
1	a1		6	1	880	880
2	a2		8	2	3315	6630
3	a3		8	4	1600	6400
4	a4		6	8	1020	8160
5	a5		6	10	450	4500
6	a6		6	4	1020	4080
7	a7		6	9	150	1350

REINFORCEMENT DETAILS

NOTES:

1. ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.
2. KILOMETRE POSTS TO BE PLACED ONE EVERY KILOMETRE ALTERNATELY ON THE LEFT AND RIGHT SIDE OF THE ROAD OR AS DIRECTED BY THE ENGINEER
3. THE SCRIPT WILL BE AS DIRECTED BY THE ENGINEER.
4. CONCRETE SHALL BE GRADE 25.
5. REINFORCEMENT SHALL BE GRADE 40.
6. COVER TO REINFORCEMENT SHALL BE 30 mm MINIMUM

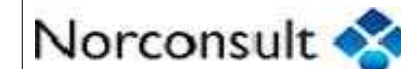
REVISION:		
No.	Description	Date
A	STANDARD DRAWING	5-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

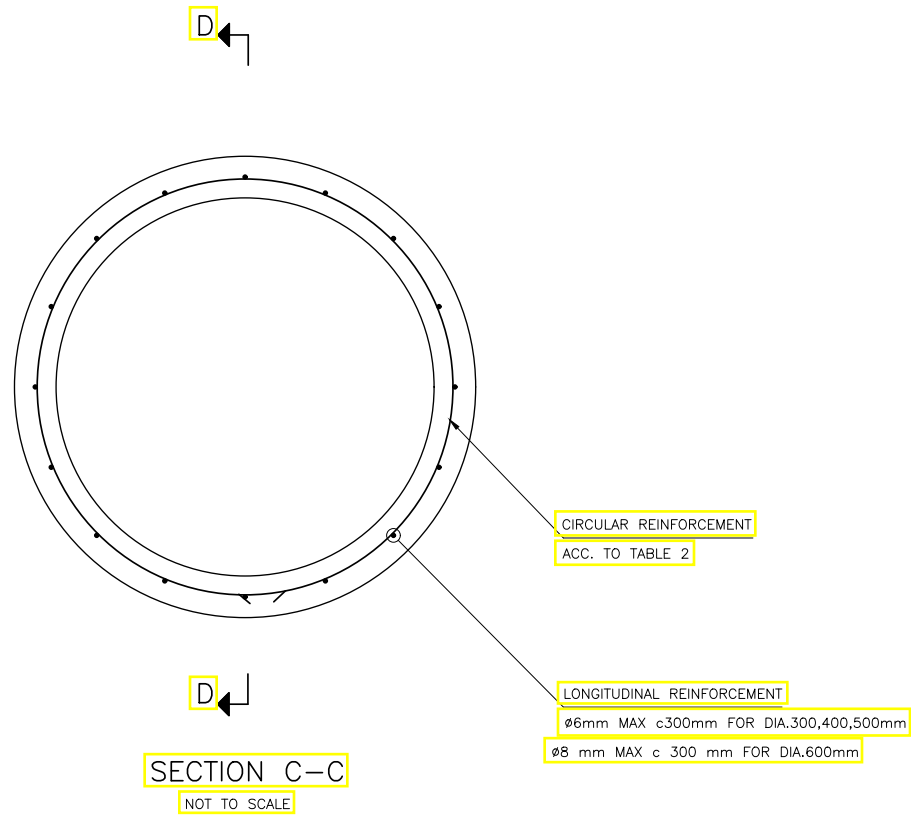
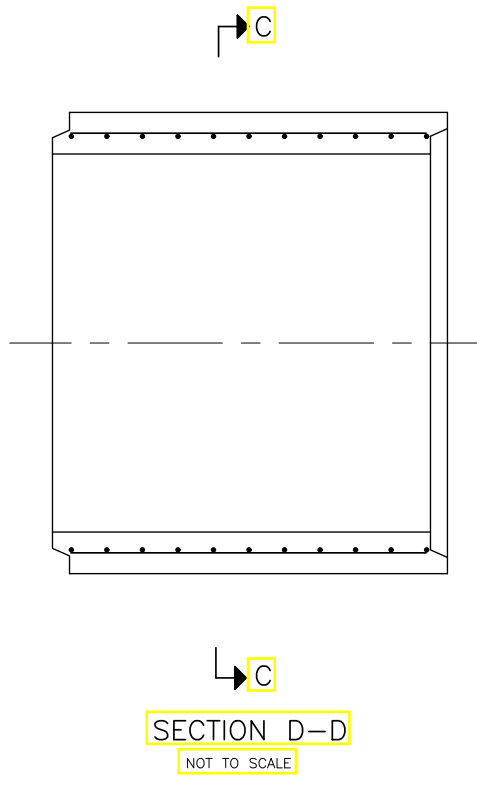
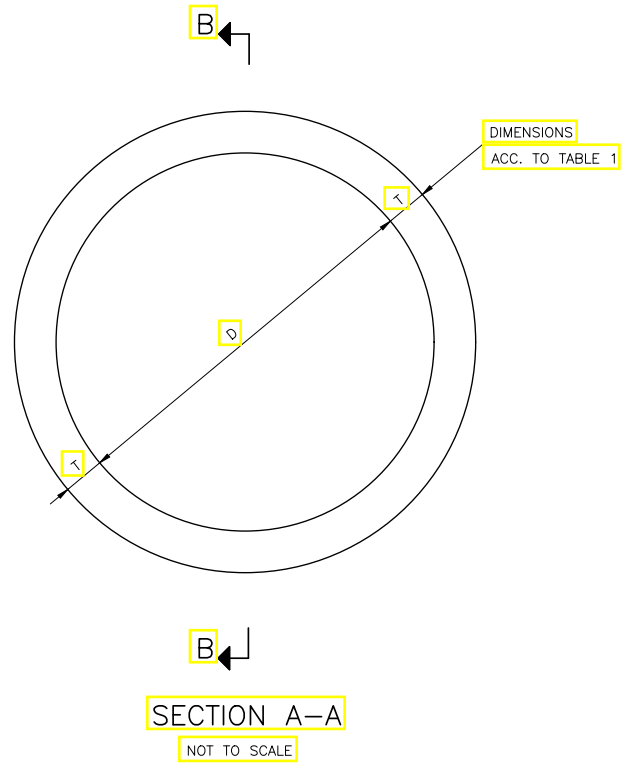
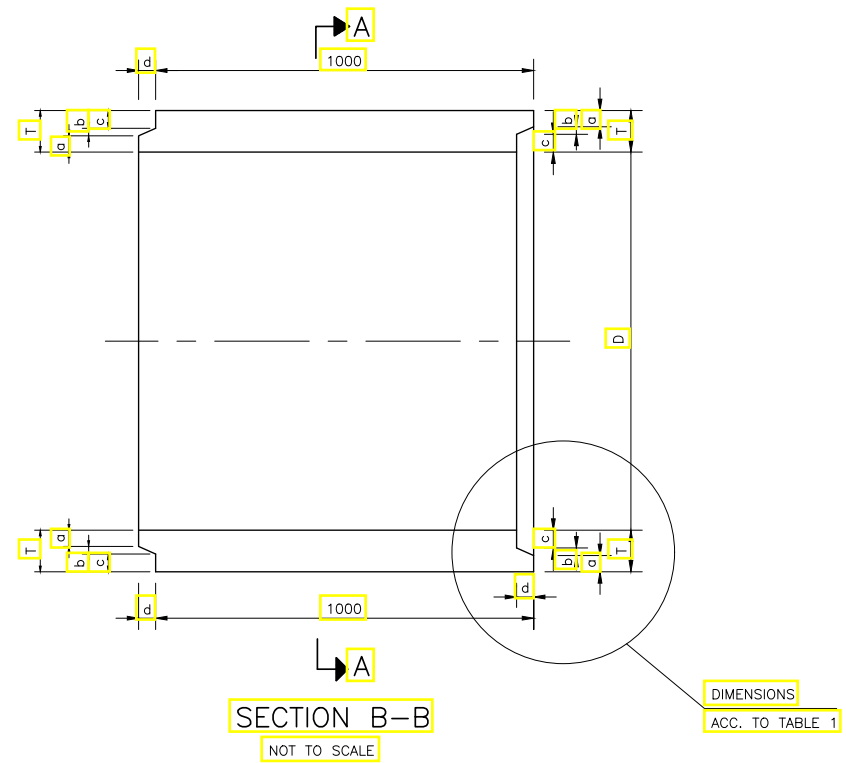
DRAWING TITLE : KILOMETRE POSTS

SCALE IN A3: NOT TO SCALE

DATE :

DRAWING No. : LAO - NKS  
 SD-10





TONGUE AND GROOVE TYPE DIMENSIONS

TONGUE AND GROOVE TYPE REINFORCEMENT

TABLE 1

INSIDE DIAMETER D mm	WALL THICKNESS T mm	DIMENSIONS OF PIPE END DETAILS IN mm TONGUE AND GROOVE			
		a	b	c	d
300	50	19	8	23	30
400	60	23	10	27	30
500	70	28	10	32	40
600	75	28	15	32	40

TABLE 2

INSIDE DIAMETER D mm	MIN. CIRCULAR REINFORCEMENT (mm <sup>2</sup> /m)		CRUSHING LOAD ULTIMATE CRUSHING LOAD kg/m	ULTIMATE CRUSHING LOAD kg/m	ULTIMATE STRENGTH FOR 152x304mm CONCRETE CYLINDER AT 28 DAY AGE MPa
	INNER CAGE	OUTER CAGE			
300	150	-	3,060	4,590	30
400	250	-	4,080	6,120	
500	380	-	5,100	7,650	
600	570	-	6,120	9,180	

NOTES

- ALL DIMENSIONS SHOWN ARE IN mm, UNLESS OTHERWISE SHOWN.
- ALL PIPE BARRELS SHALL CONFORM TO REQUIREMENTS OF AASHTO M170M, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE (METRIC) CLASS V, WALL B.
- ALL CONCRETE SHALL BE CLASS 30 MPa, UNLESS OTHERWISE SHOWN. CYLINDER STRENGTH OF CONCRETE AT 28 DAYS  $f'_c=30MPa, f_c=12MPa$ .
- ALL STEEL REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION AASHTO M 31, DEFORMED AND PLAIN BILLET STEEL BARS FOR CONCRETE REINFORCEMENT, GRADE 60, EXCEPT THAT BARS OF DIAMETER UP TO AND INCLUDING 9 mm MAY BE PLAIN MILD STEEL REINFORCEMENT IN ACCORDANCE WITH AASHTO M 31, GRADE 40.

REVISION:		
No.	Description	Date
A	STANDARD DRAWING	5-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_  
 TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR  
 LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

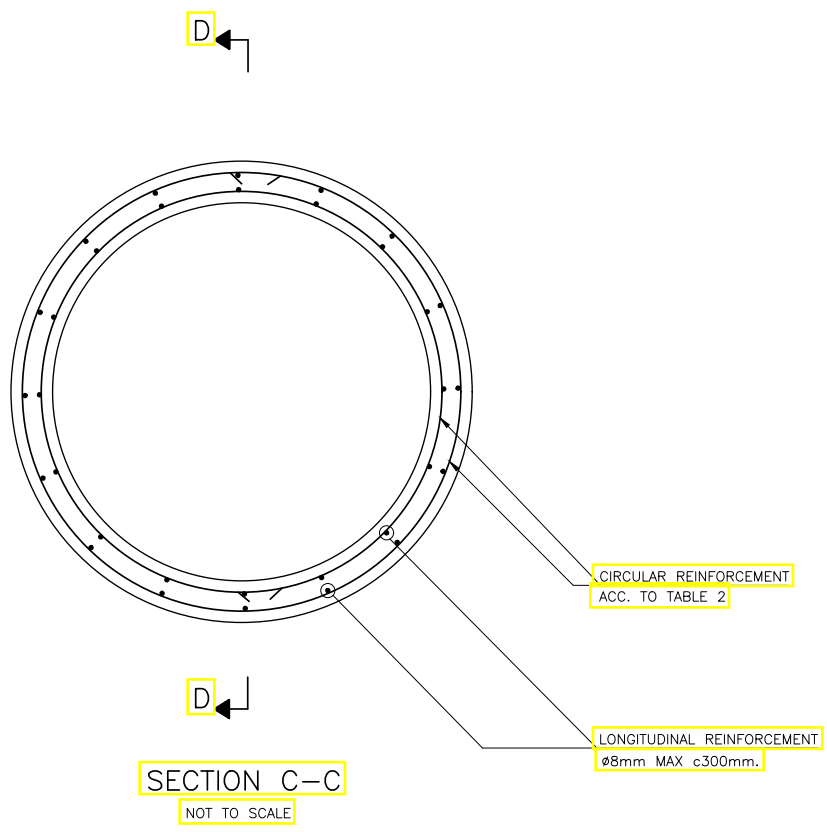
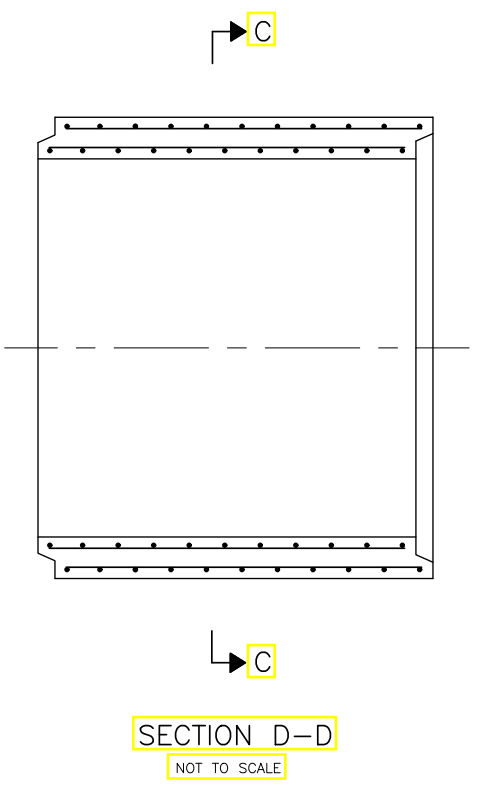
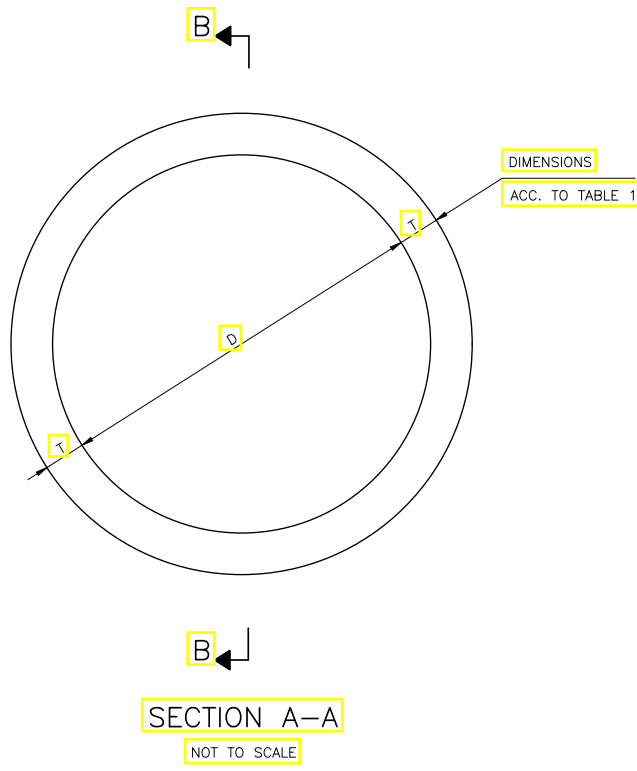
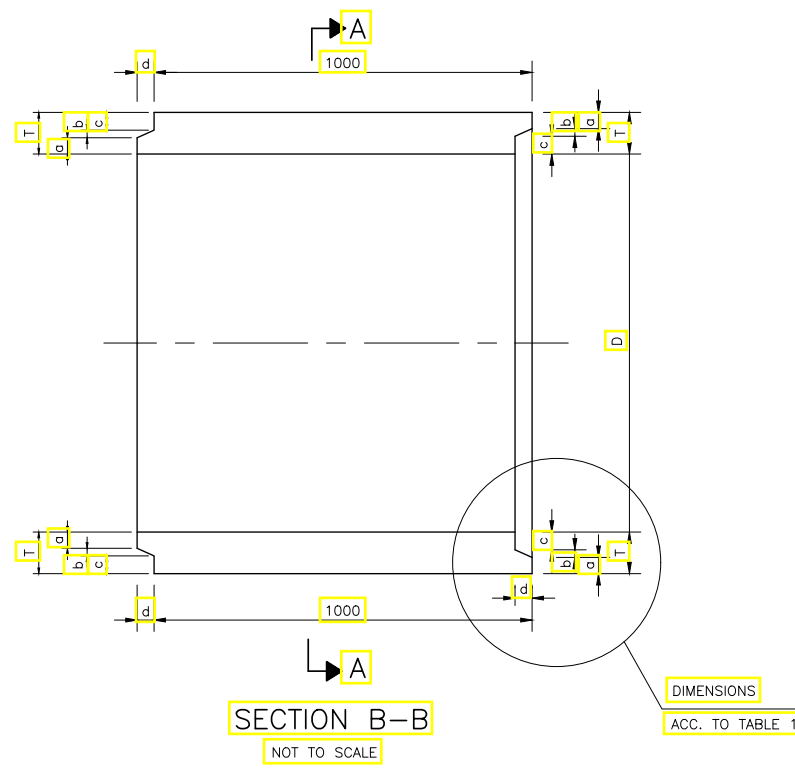
**CADTIS**

**LAO-Asean Engineering Consultants Sole CO., LTD**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : REINFORCED CONCRETE PIPE TONGUE AND GROOVE, DIA 300-600 mm, MIN. COVER 600 mm

SCALE IN A3: NOT TO SCALE      DATE:      DRAWING No. : LAO - NKS      SD-11



TONGUE AND GROOVE TYPE DIMENSIONS

TONGUE AND GROOVE TYPE REINFORCEMENT

TABLE 1

INSIDE DIAMETER D mm	WALL THICKNESS T mm	DIMENSIONS OF PIPE END DETAILS IN mm TONGUE AND GROOVE			
		a	b	c	d
600	75	28	8	23	30
800	95	38	15	42	45
1000	110	43	20	47	45
1200	125	48	25	52	50
1500	150	57	30	63	60

TABLE 2

INSIDE DIAMETER D mm	MIN. CIRCULAR REINFORCEMENT mm <sup>2</sup> /in	CRUSHING LOAD TO PRODUCE 0.30mm CRACK WIDTH AND 310mm CRACK LENGTH INNER CAGE/OUTER CAGE kg/m	ULTIMATE CRUSHING LOAD kg/m	ULTIMATE STRENGTH FOR 152 X 304mm CONCRETE CYLINDER AT 28 DAY AGE MPa
600	150	-	6,120	9,180
800	580	410	8,160	12,240
1000	700	520	10,200	15,300
1200	890	680	12,240	18,360
1500	1250	750	15,295	22,943

NOTES

1. ALL DIMENSIONS SHOWN ARE IN mm, UNLESS OTHERWISE SHOWN.
2. ALL PIPE BARRELS SHALL CONFORM TO REQUIREMENTS OF AASHTO M170M, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE (METRIC) CLASS X, WALL B.
3. ALL CONCRETE SHALL BE CLASS 30 MPa, UNLESS OTHERWISE SHOWN, CYLINDER STRENGTH OF CONCRETE AT 28 DAYS  $f'_c=30MPa, f_c=12MPa$ .
4. ALL STEEL REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR AASHTO M31, DEFORMED AND PLAIN BILLET STEEL BARS FOR CONCRETE REINFORCEMENT, GRADE 60, EXCEPT THAT BARS OF DIAMETER UP TO AND INCLUDING 9mm MAY BE PLAIN MILD STEEL REINFORCEMENT IN ACCORDANCE WITH AASHTO M 31, GRADE 40.

REVISION:		
No.	Description	Date
A	STANDARD DRAWING	5-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

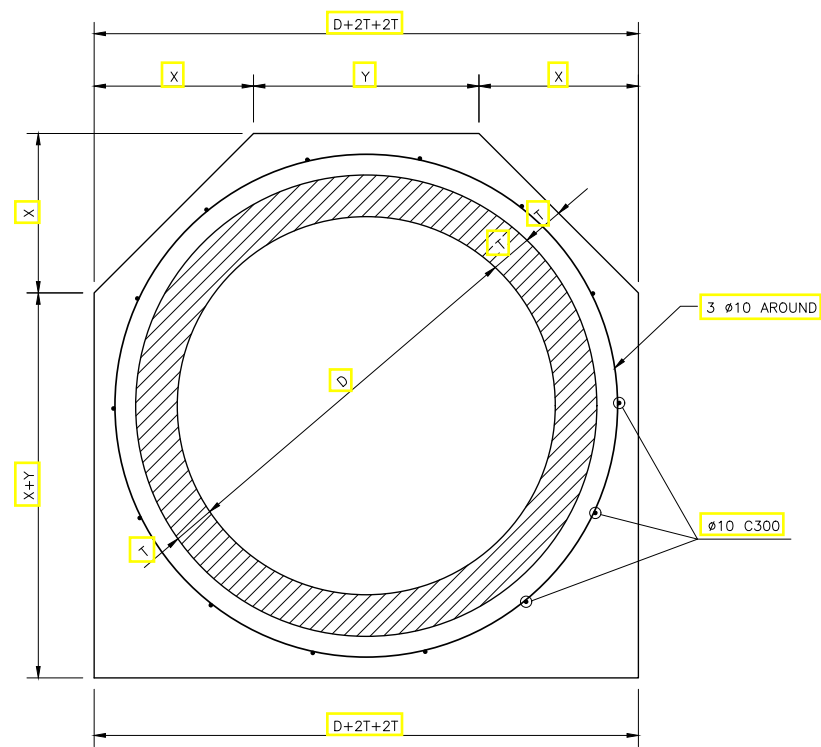
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

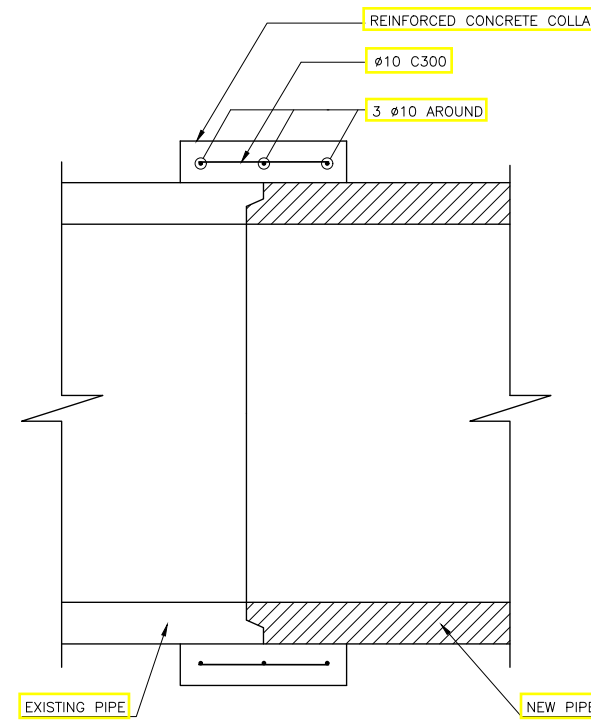
DRAWING TITLE: REINFORCED CONCRETE PIPE TONGUE AND GROOVE, DIA 800 - 1500 mm, MIN. COVER 600 mm

SCALE IN A3: NOT TO SCALE	DATE:	DRAWING No. : LAO - NKS	SD-12
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TRANSVERSE SECTION

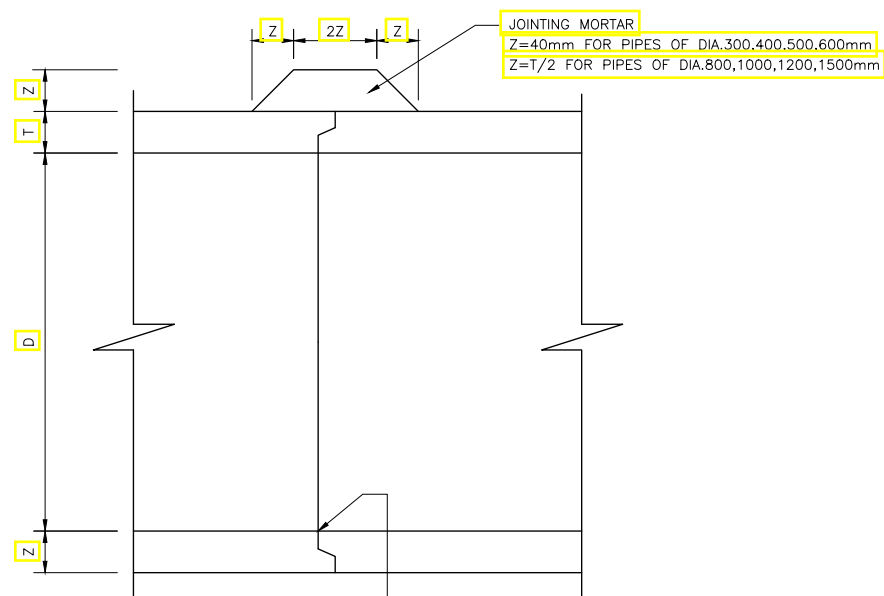
NOT TO SCALE



LONGITUDINAL SECTION

NOT TO SCALE

PIPE EXTENSION DETAIL



PIPE CONNECTION JOINT DETAIL

INTERIOR JOINT SPACE SHALL BE MORTARED FLUSH ON LOWER HALF OF PIPE (WATER TO CEMENT RATIO 1:2)

NOTES

1. ALL DIMENSIONS SHOWN ARE IN mm, UNLESS OTHERWISE INDICATED.
2. MORTAR FOR PIPE CONNECTION JOINT SHALL CONSIST OF
  - 1 PART PORTLAND CEMENT TO 2 PARTS OF SAND BY VOLUME.
3. CONCRETE COLLAR FOR PIPE EXTENSION SHALL BE CLASS 25 MPa.
4. REINFORCEMENT FOR EXTENSION SHALL BE DEFORMED BILLET STEEL BARS ACCORDING TO ASSHTO M30, GRADE 60.

REVISION:		
No.	Description	Date
A	STANDARD DRAWING	5-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

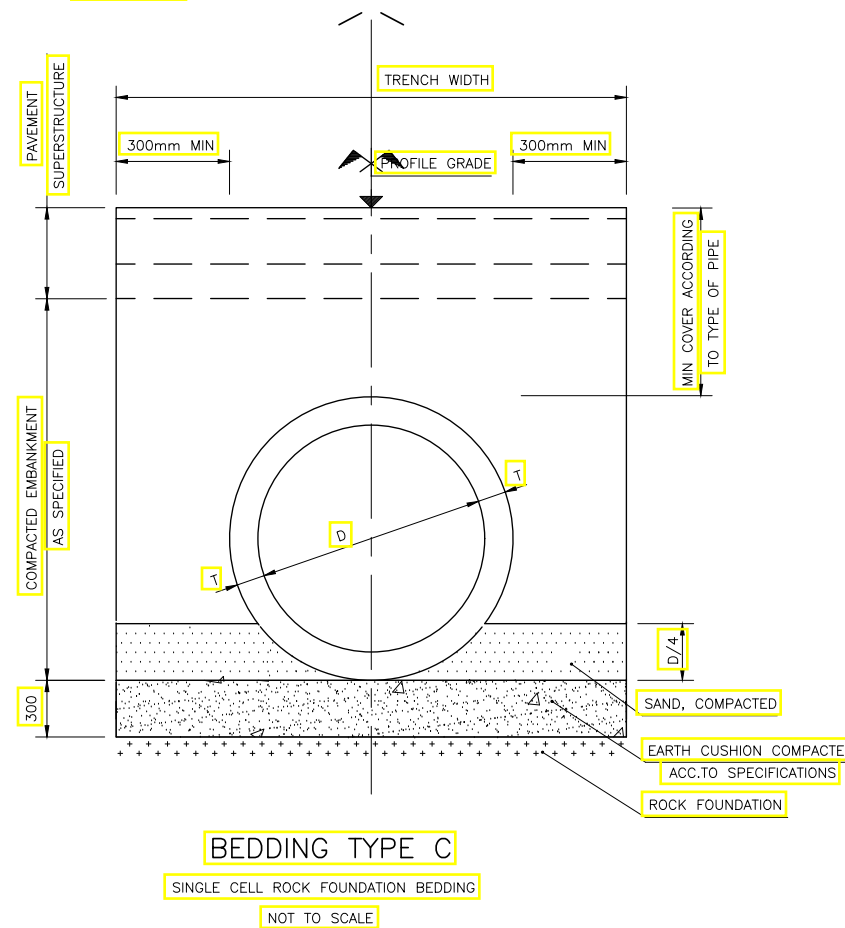
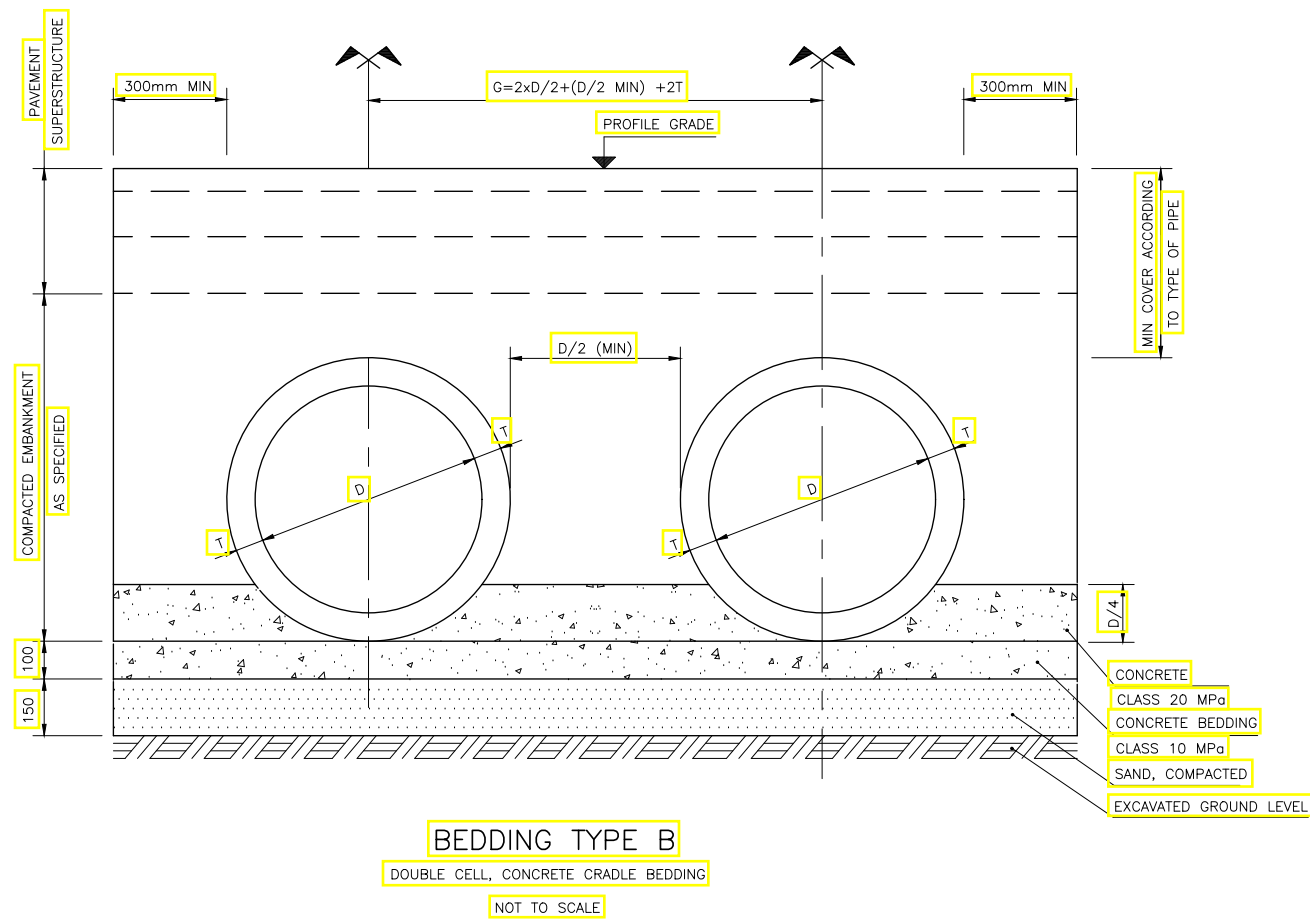
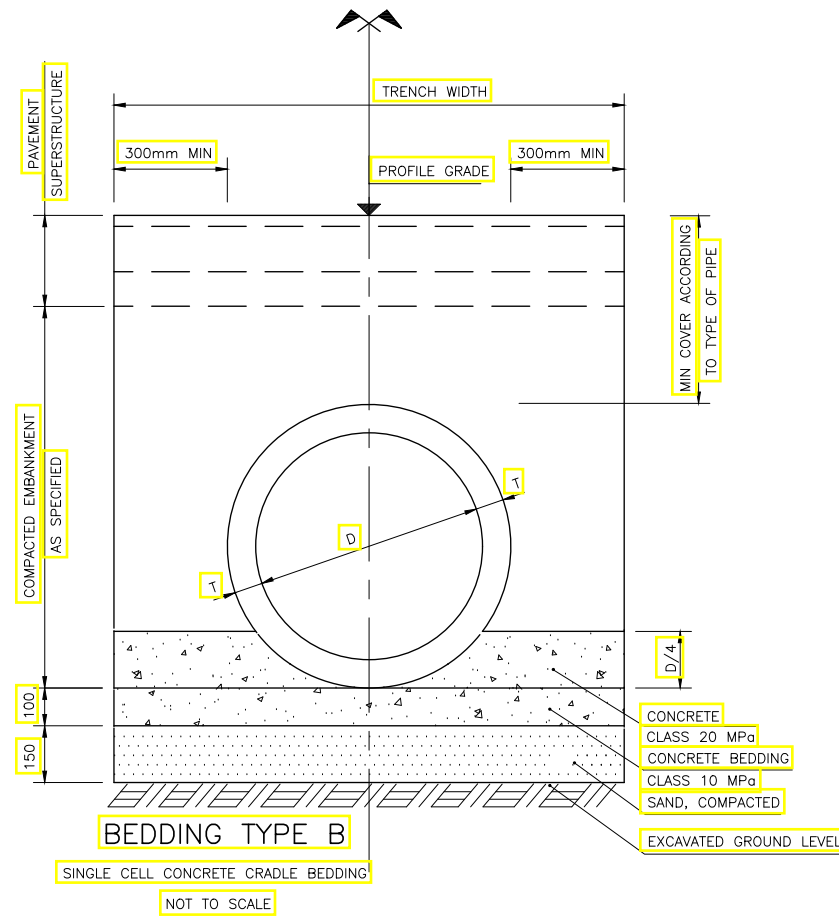
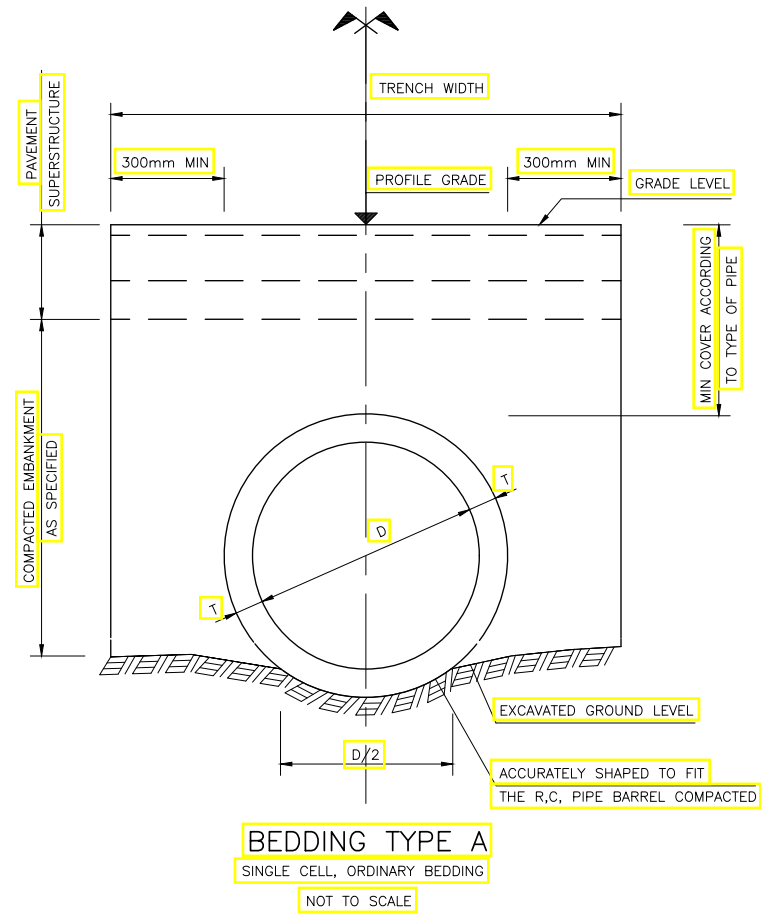
TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:			
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION			
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT			
DRAWING TITLE : REINFORCED CONCRETE PIPE JOINTS AND EXTENSIONS			
SCALE IN A3:	DATE :	DRAWING No. :	SD-13
NOT TO SCALE		LAO - NKS	



**NOTES:**

1. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE INDICATED.
2. PIPE INSTALLATION SHALL BE BY TRENCH METHOD, UNLESS OTHERWISE PERMITTED BY THE ENGINEER.
3. A TRENCH SHALL THEN BE EXCAVATED ALONG THE PROPOSED LINE AS SHOWN ON DRAWING. TRENCH WALLS SHALL HAVE A SMOOTH SURFACE AND SHALL BE CONSTRUCTED VERTICALLY, WHERE POSSIBLE.
4. THE TRENCH BED SHALL BE PREPARED TO THE SPECIFIED SLOPE. BEDDING SHALL BE TYPE A, B OR C DEPENDING ON FOUNDATION SOIL / ROCK AND AS DIRECTED BY THE ENGINEER.
5. PIPES SHALL BE INSTALLED ACCORDING TO SIZES SHOWN ON THE DRAWINGS.
6. BACK FILLING OF PIPE CULVERTS SHALL NOT BE PERMITTED UNTIL AT LEAST 48 HOURS HAVE ELAPSED AFTER JOINT HAVE BEEN COMPLETED.
7. LENGTH, LOCATION AND ELEVATION OF PIPE CULVERT SHALL BE ADJUSTED TO SUIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

REVISION:		
No.	Description	Date
A	STANDARD DRAWING	5-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

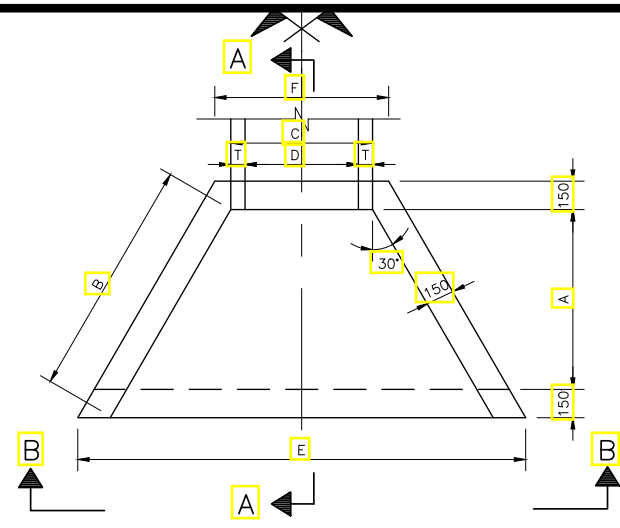
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



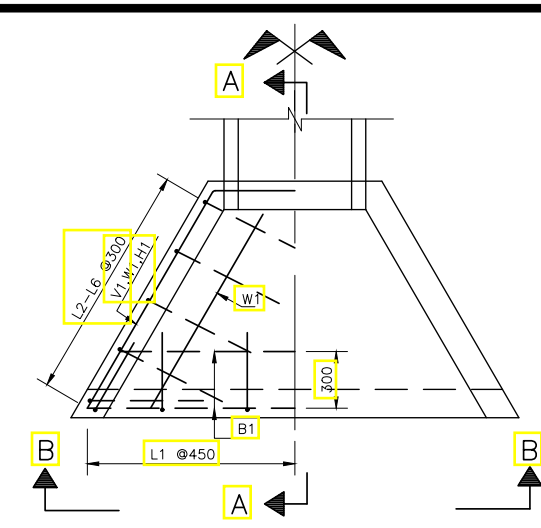
PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : REINFORCED CONCRETE PIPE INSTALLATION

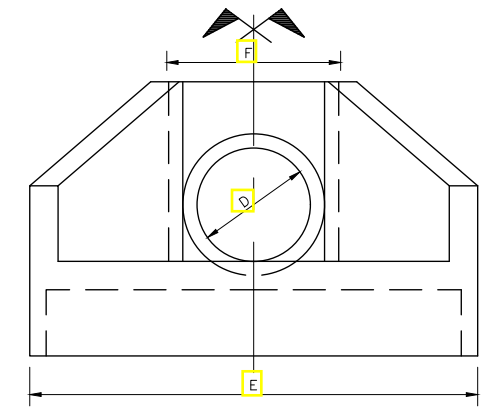
SCALE IN A3:	DATE :	DRAWING No. :	SD-14
NOT TO SCALE		LAO - NKS	



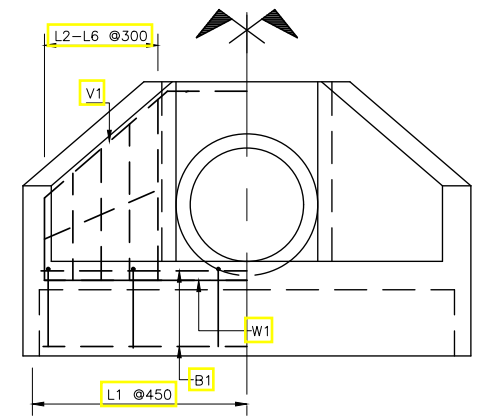
**PLAN**  
(FOR D=600)  
SCALE 1:20



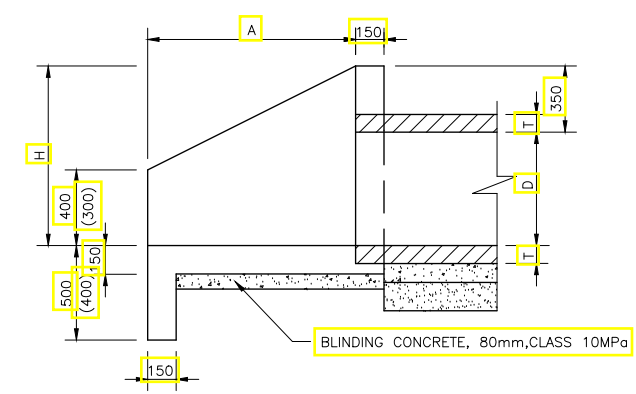
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(FOR D=600)  
SCALE 1:20



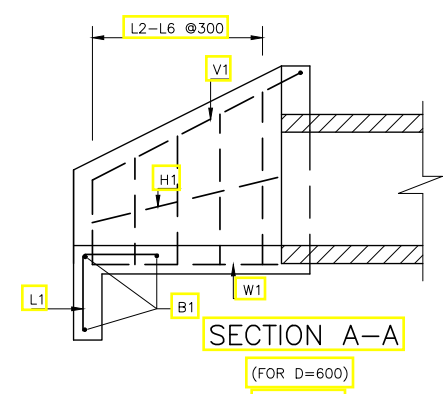
**END VIEW B-B**  
(FOR D=600)  
SCALE 1:20



**END VIEW B-B**  
(FOR D=600)  
SCALE 1:20

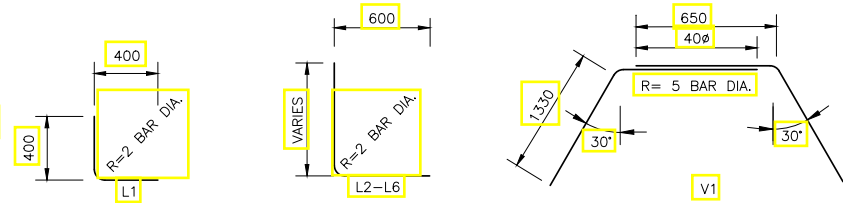


**SECTION A-A**  
(FOR D=600)  
SCALE 1:20  
**DIMENSION**



**SECTION A-A**  
(FOR D=600)  
SCALE 1:20

**BENDING AS SHOWN REINFORCEMENT**



**TABLE 1**

DIA OF PIPE D mm	WALL THICKNESS mm	TABLE OF DIMENSIONS					
		A mm	B mm	C mm	E mm	F mm	H mm
300	50	700	810	400	1550	570	650
400	60	900	1040	520	1900	690	750
500	70	900	1040	640	2030	810	850
600	75	1100	1270	750	2370	920	950

**TABLE 2**

TABLE OF REINFORCEMENT ONE WING WALL END									
BAR MARK	SIZE Ømm	D=300mm		D=400mm		D=500mm		D=600mm	
		No.	LENGTH	No.	LENGTH	No.	LENGTH	No.	LENGTH
V1	12	2	1340	2	1630	2	1696	2	1980
L1	12	4	700	5	700	5	800	6	800
L2	12	2	940	2	940	2	1040	2	1040
L3	12	2	1070	2	1070	2	1170	2	1150
L4	12	2	1200	2	1200	2	1300	2	1260
L5	12	2	1300	2	1330	2	1430	2	1370
L6	12	-	-	-	-	-	-	2	1480
B1	12	3	-	3	-	3	-	3	-
W1	12	4	750	4	980	4	980	4	1210
H1	12	2	750	2	980	2	980	2	1210
CONC. m <sup>3</sup>			0.40		0.50		0.60		0.80
REINF. Kg			20.00		24.00		25.00		31.00

**NOTES:**

- ALL DIMENSIONS ARE IN mm.
- ALL CONCRETE SHALL BE CLASS 25 MPa, UNLESS OTHERWISE SHOWN.  
(CYLINDER STRENGTH OF CONCRETE AT 28 DAYS  $f'_c=25\text{MPa}, f_c=10.0\text{MPa}$ .)
- ALL STEEL REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR DEFORMED BILLET STEEL BARS AASHTO M31 GRADE 60,  $f_y=414\text{MPa}, f_s=165.5\text{MPa}$ .
- CONCRETE COVER SHALL BE 50 mm, IF NOT OTHERWISE SHOWN AND MEASURE FROM THE SURFACE OF CONCRETE TO THE FACE OF NEAREST BAR.
- LAP LENGTH OF REINFORCEMENT BARS SHALL BE AS SHOWN IN THE SPECIFICATIONS.
- ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 20mm.
- DIMENSIONS IN BRACKETS ( ) ARE FOR PIPE CULVERT DIA. 300 AND 400mm.

REVISION:		
No.	Description	Date
A	STANDARD DRAWING	5-11-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

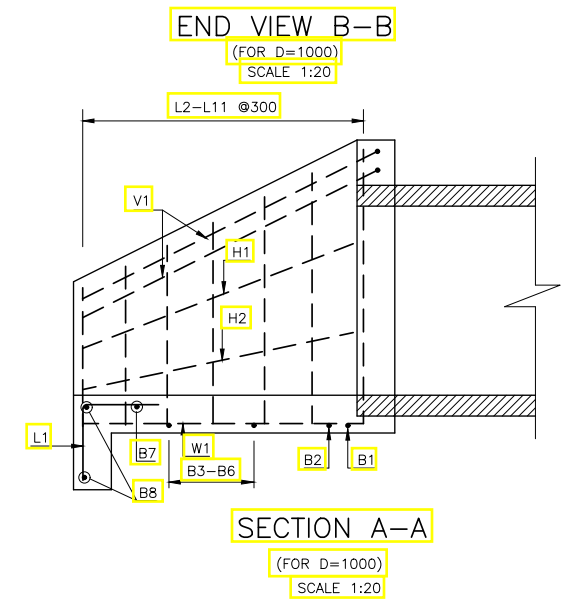
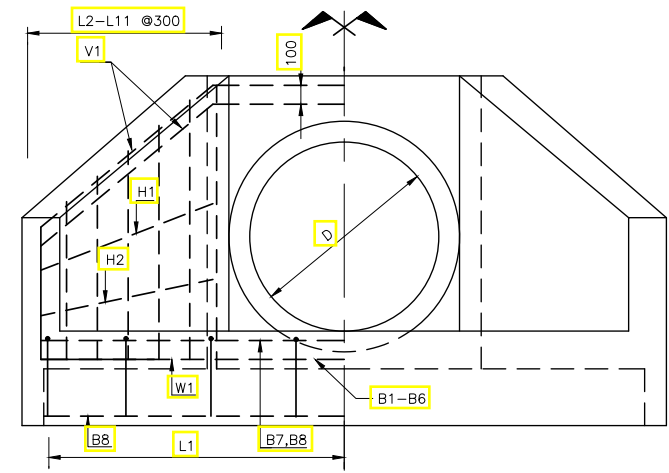
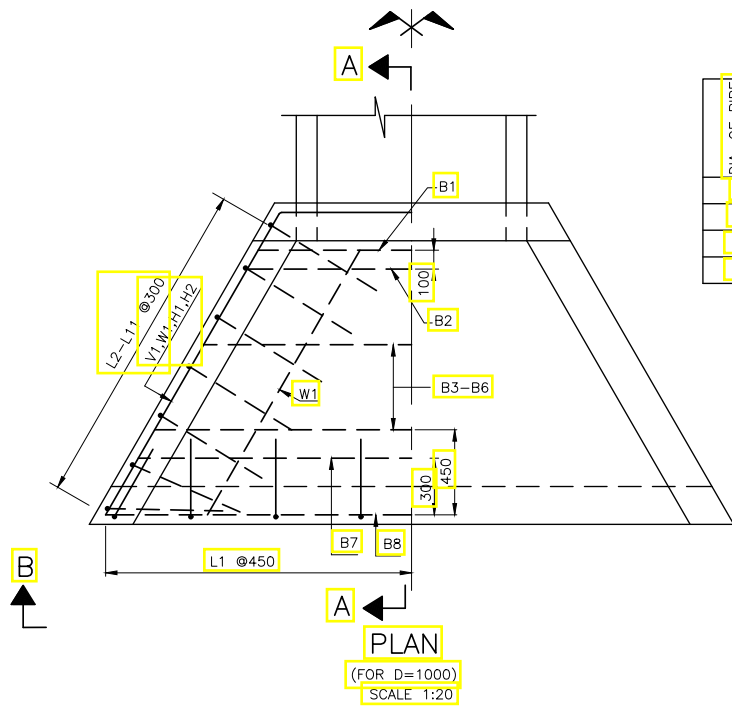
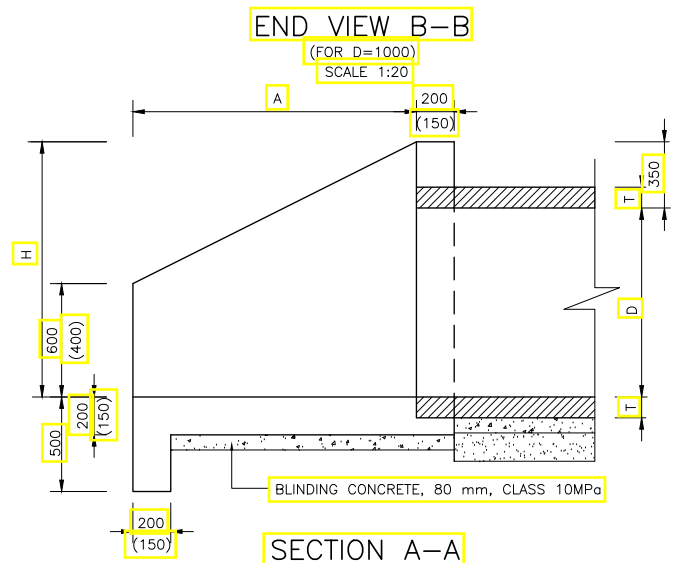
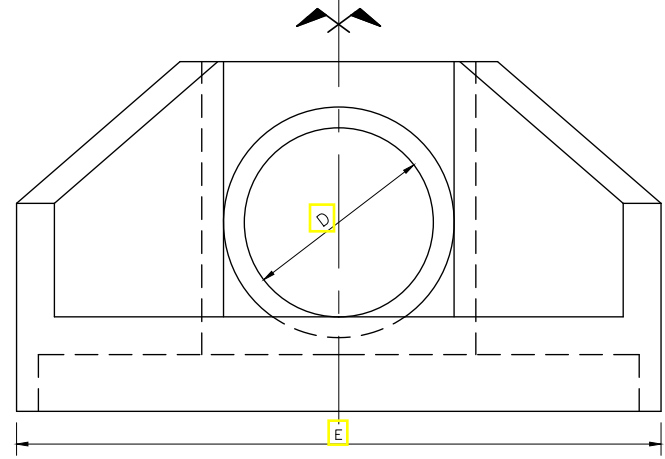
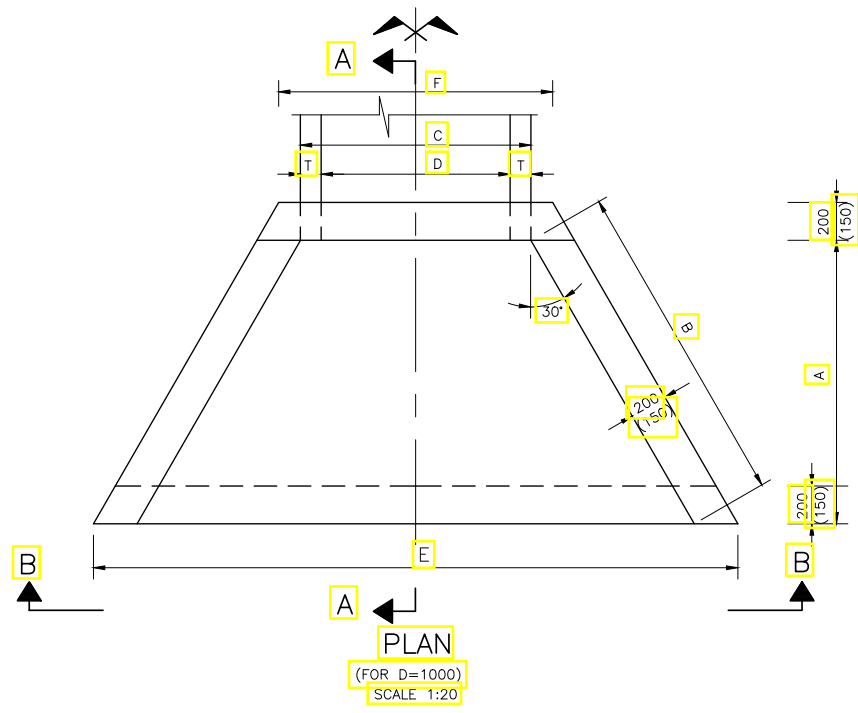
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : REINFORCED CONCRETE PIPE STRUCTURE, INLET, OUTLET, SINGLE CELL , DIA 300-600 mm

SCALE IN A3: NOT TO SCALE	DATE :	DRAWING No. : LAO - NKS	SD-15
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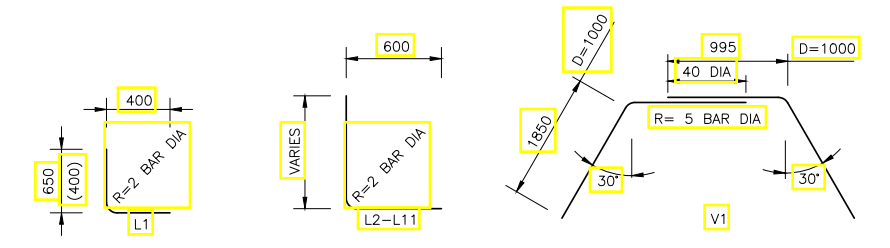
**TABLE 1**

DIA. OF PIPE D mm	WALL THICKNESS mm	TABLE OF DIMENSIONS					
		A	B	C	E	F	H
800	95	1500	1730	990	3070	1160	1150
1000	110	1500	1730	1220	3410	1450	1350
1200	125	1900	2190	1450	4110	1680	1550
1500	150	2500	2900	1800	5200	2030	1850

**TABLE 2**

		TABLE OF REINFORCEMENT FOR ONE WING WALL END							
BAR MARK	SIZE Ømm	D=800		D=1000		D=1200		D=1500	
		No.	LENGTH	No.	LENGTH	No.	LENGTH	No.	LENGTH
B1	16	-	-	1	1620	1	1850	1	2210
B2	16	-	-	1	1740	1	1970	1	2325
B3	12	-	-	1	2200	1	2420	1	2915
B4	12	-	-	1	2720	1	2940	1	3440
B5	12	-	-	-	-	1	3460	1	3970
B6	12	-	-	-	-	-	-	1	4500
B7	12	1	2550	1	2890	1	3590	1	4675
B8	12	2	2900	2	3240	2	3940	2	5025
L1	12	8	800	8	800	10	800	12	1050
L2	16(12)	2	1070	2	1320	2	1320	2	1310
L3	16(12)	2	1200	2	1450	2	1450	2	1440
L4	16(12)	2	1330	2	1580	2	1580	2	1570
L5	16(12)	2	1460	2	1710	2	1710	2	1700
L6	16(12)	2	1590	2	1840	2	1840	2	1820
L7	16(12)	2	1720	2	1970	2	1970	2	1950
L8	16	-	-	-	-	2	2100	2	2080
L9	16	-	-	-	-	2	2250	2	2210
L10	16	-	-	-	-	-	-	2	2340
L11	16	-	-	-	-	-	-	2	2470
H1	12	2	1690	2	1810	2	2250	2	2950
H2	12	-	-	2	1770	2	2230	2	2840
V1	16(12)	2	2695	4	2975	4	3590	4	4535
W1	12	4	1650	4	1650	4	2110	4	2840
CONC. m <sup>3</sup>			1.20		2.00		2.80		4.30
REINF. Kg			41.57		85.76		114.05		153.08

NOTE: FOR A 800 PIPE CULVERT, V1, L2-L7 SHALL BE Ø12mm REBARS



- NOTES:**
- ALL DIMENSIONS ARE IN mm.
  - ALL CONCRETE SHALL BE CLASS 25 MPa, UNLESS OTHERWISE SHOWN. (CYLINDER STRENGTH OF CONCRETE AT 28 DAYS f'c=25MPa, f'c=10.0MPa).
  - ALL STEEL REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR DEFORMED BILLET STEEL BARS AASHTO M31 GRADE 60, fy=414MPa, fs=165.5MPa.
  - CONCRETE COVER SHALL BE 50 mm, IF NOT OTHERWISE SHOWN AND MEASURED FROM THE SURFACE OF CONCRETE TO THE FACE OF NEAREST BAR.
  - LAP LENGTH OF REINFORCEMENT BARS SHALL BE AS SHOWN IN THE SPECIFICATIONS.
  - ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 20mm.
  - DIMENSIONS IN BRACKETS ( ) ARE FOR PIPE CULVERT DIA 800.

REVISION:		
No.	Description	Date
A	STANDARD DRAWING	5-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

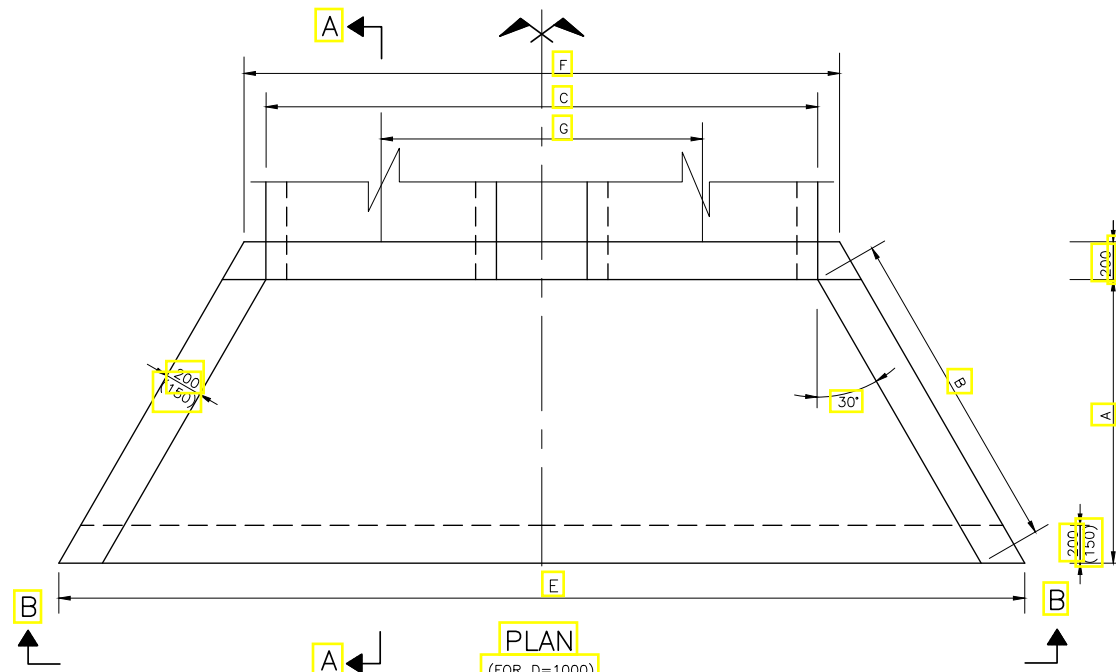
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



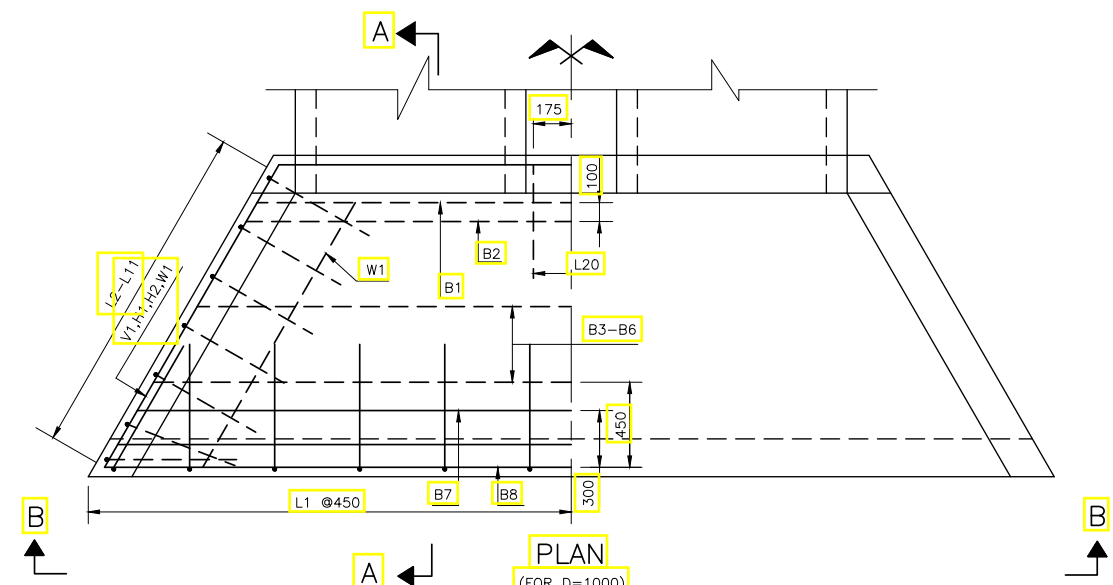
PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE: REINFORCED CONCRETE PIPE STRUCTURE, INLET, OUTLET, SINGLE CELL, DIA 800-1500 mm

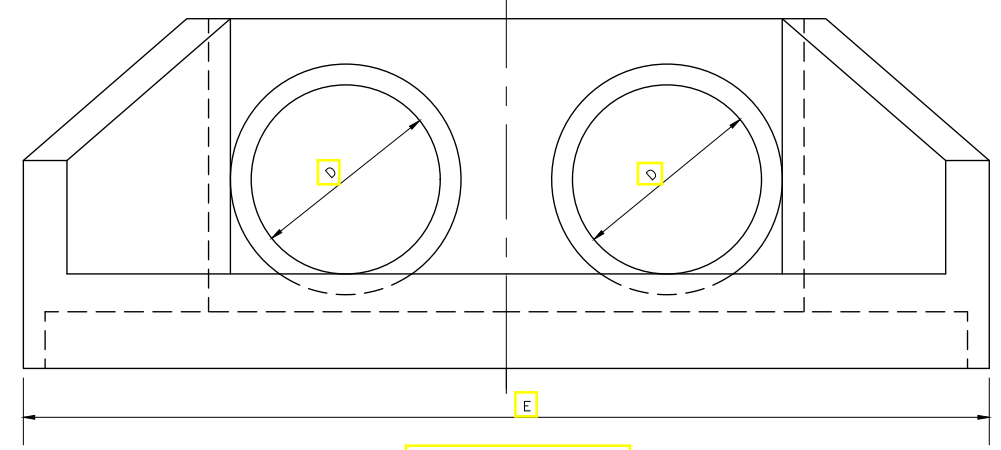
SCALE IN A3: NOT TO SCALE	DATE:	DRAWING No. : LAO - NKS	SD-16
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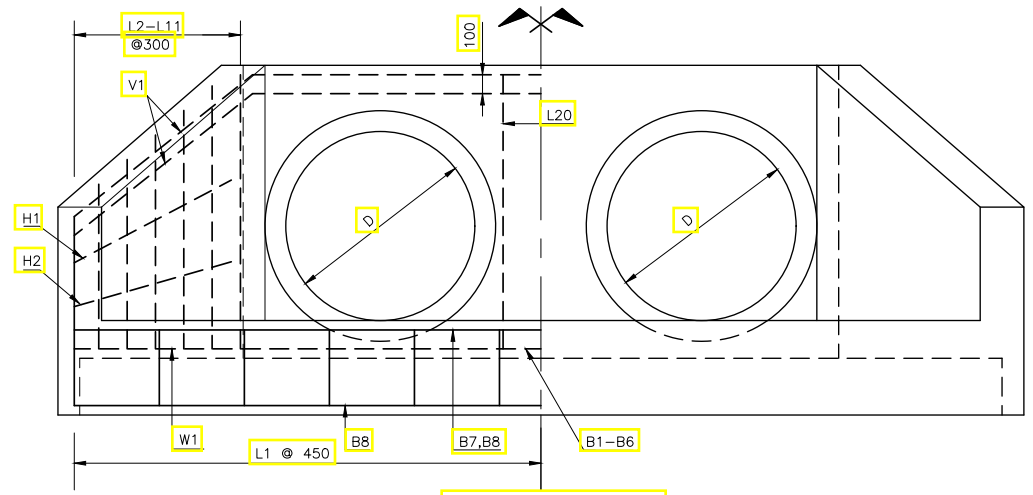
PLAN  
(FOR D=1000)  
SCALE 1:20



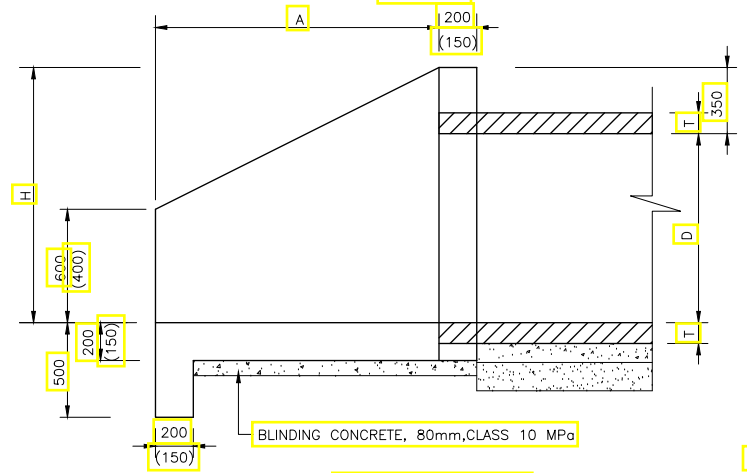
PLAN  
(FOR D=1000)  
SCALE 1:20



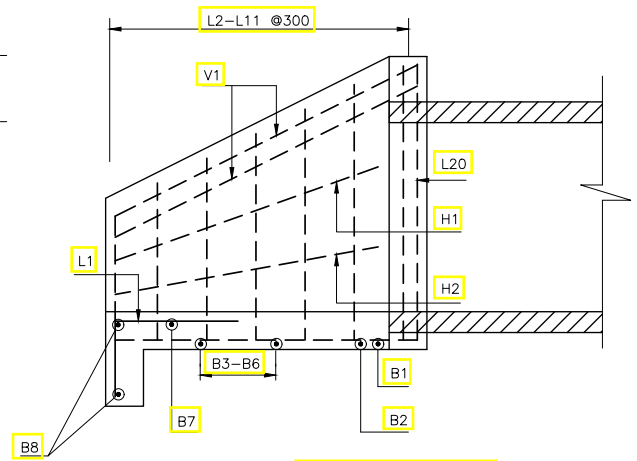
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(FOR D=1000)  
SCALE 1:20



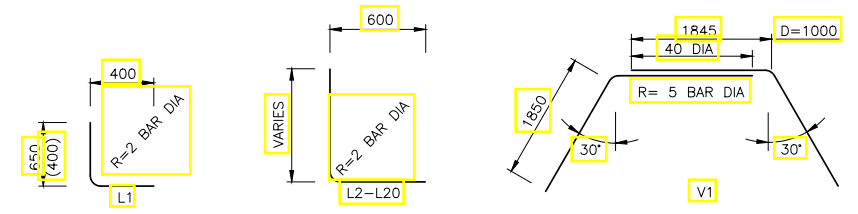
END VIEW B-B  
(FOR D=1000)  
SCALE 1:20



SECTION A-A  
(FOR D=1000)  
SCALE 1:20



SECTION A-A  
(FOR D=1000)  
SCALE 1:20



BENDING AS SHOWN  
REINFORCEMENT

DIA. OF PIPE		TABLE OF DIMENSIONS						
D mm	WALL THICKNESS mm	FOR 2 PIPES						
		A mm	B mm	C mm	E mm	F mm	G mm	H mm
800	95	1500	1730	2390	4470	2560	1400	1150
1000	110	1500	1730	2920	5110	3150	1700	1350
1200	125	1900	2190	3350	6010	3580	1900	1550
1500	150	2500	2900	4050	7400	4280	2250	1850

BAP MARK		SIZF Ømm	TABLE OF REINFORCEMENT FOR ONE WING WALL END							
No.	LENGTH		D=800		D=1000		D=1200		D=1500	
		No.	LENGTH	No.	LENGTH	No.	LENGTH	No.	LENGTH	
B1	16(12)	1	2670	1	3320	1	3750	1	4450	
B2	16(12)	1	3360	1	3440	1	3870	1	4570	
B3	12	1	3820	1	3510	1	4400	1	5150	
B4	12	-	-	1	3980	1	4870	1	5670	
B5	12	-	-	1	4440	1	5330	1	6190	
B6	12	-	-	-	-	-	-	1	6710	
B7	12	1	3950	1	4590	1	5490	1	6880	
B8	12	2	4300	2	4940	2	5840	2	7230	
L1	12	11	850	12	1050	14	1050	17	1050	
L2	16(12)	2	1070	2	1320	2	1320	2	1310	
L3	16(12)	2	1200	2	1450	2	1450	2	1440	
L4	16(12)	2	1330	2	1580	2	1580	2	1570	
L5	16(12)	2	1460	2	1710	2	1710	2	1700	
L6	16(12)	2	1590	2	1860	2	1860	2	1820	
L7	16(12)	2	1720	2	1920	2	1970	2	1950	
L8	16	-	-	2	2050	2	2100	2	2080	
L9	16	-	-	-	-	2	2250	2	2210	
L10	16	-	-	-	-	-	-	2	2340	
L11	16	-	-	-	-	-	-	2	2470	
L20	16(12)	2	1800	2	2050	2	2250	2	2550	
H1	12	2	1690	2	1770	2	2230	2	2950	
H2	12	-	-	2	1810	2	2350	2	2840	
V1	16	4	3475	4	3825	4	4540	4	5660	
W1	12	4	1650	4	1650	4	2110	4	2830	
CONC. m <sup>3</sup>			1.80		2.90		4.00		6.30	
REINF. Kg			76.98		125.56		171.04		193.66	

NOTE: FOR Ø 800 PIPE CULVERT B1,B2,L2-L7 SHALL BE Ø12mm REBARS

- NOTES
- ALL DIMENSIONS ARE IN mm.
  - ALL CONCRETE SHALL BE CLASS 25 MPa, UNLESS OTHERWISE SHOWN (CYLINDER STRENGTH OF CONCRETE AT 28 DAYS  $f'c=25$  MPa,  $f_c=10$  MPa)
  - ALL STEEL REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR DEFORMED BILLET STEEL BARS AASHTO M31- GRADE 60,  $f_y=414$  MPa,  $f_s=165.5$  MPa.
  - CONCRETE COVER SHALL BE 50 mm, IF NOT OTHERWISE SHOWN AND MEASURED FROM THE SURFACE OF CONCRETE TO THE FACE OF NEAREST BAR
  - LAP LENGTH OF REINFORCEMENT BARS SHALL BE AS SHOWN IN THE SPECIFICATIONS.
  - ALL CONCRETE SURFACES SHALL BE CHAMFERED 20 mm.
  - DIMENSIONS IN BRACKETS ( ) ARE FOR PIPE CULVERT DIA. 800mm.

REVISION:		
No.	Description	Date
A	STANDARD DRAWING	5-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed:

TITLE:

DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

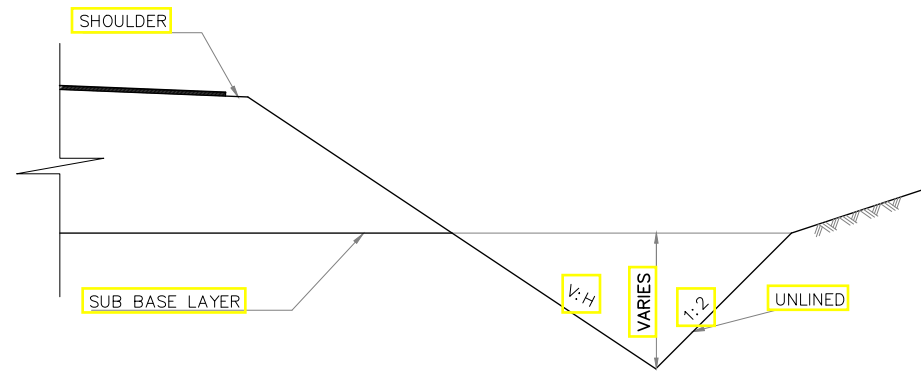
DRAWING TITLE: REINFORCED CONCRETE PIPE STRUCTURE, INLET, OUTLET, DOUBLE CELL DIA 800-1500 mm

SCALE IN A3: NOT TO SCALE

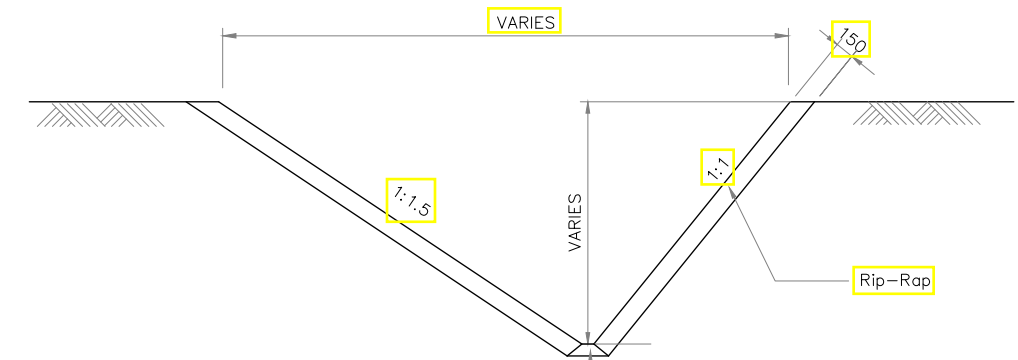
DATE:

DRAWING No.: LAO - NKS

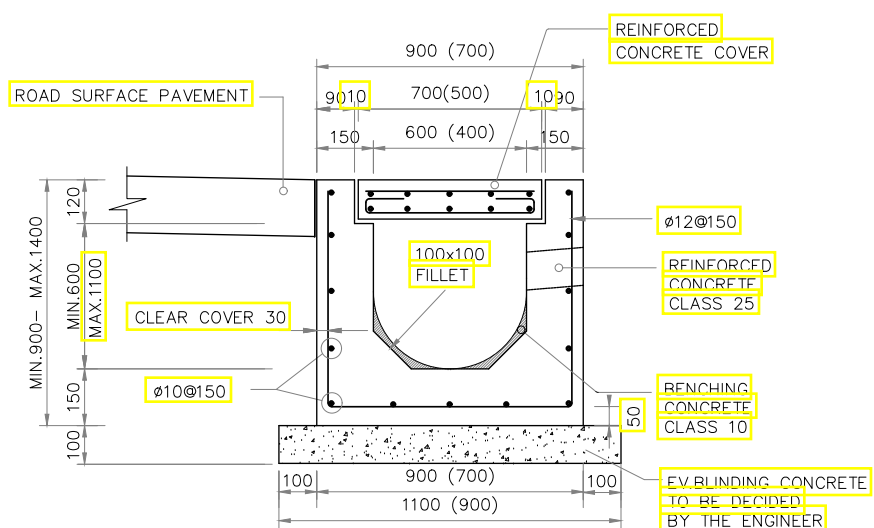
SD-17



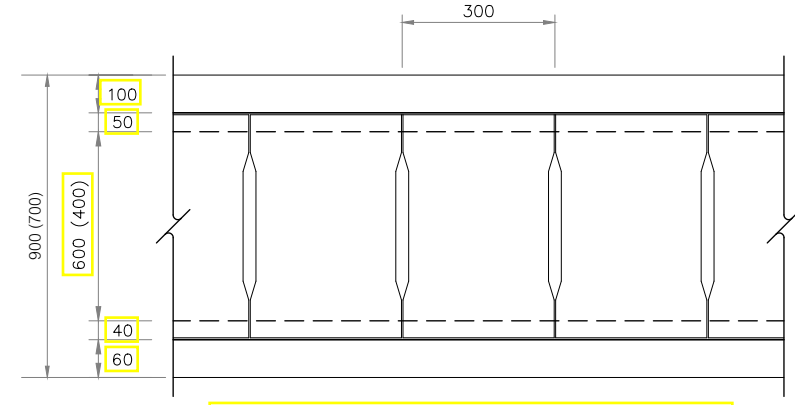
TYPICAL DITCH TYPE B  
NOT TO SCALE



TYPICAL CONCRETE DITCH LINING TYPE C  
SCALE 1:20



R.C.U. DITCH TYPE "D"  
NOT TO SCALE



PLAN OF R.C. DITCH TYPE "D"  
WITH R.C. COVER

DIMENSIONS OF REINFORCED CONCRETE SIDE DRAIN

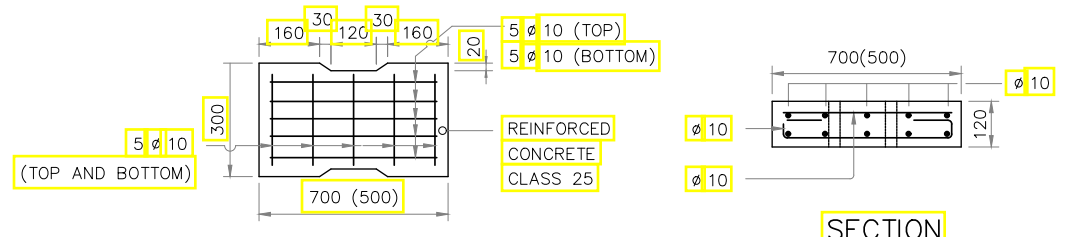
SYMBOLS	DIMENSIONS (mm)						
	TYPE						
	A1	A2	B1	B2	C1	C2	C3
a	80	80	80	100	100	100	120
b	300	300	400	400	600	600	800
c	80	80	80	80	100	100	100
d	300	400	400	600	600	800	800
con/ml	0.102	0.122	0.131	0.202	0.241	0.289	0.356
Rein/ml	0.010	0.012	0.013	0.019	0.023	0.028	0.034

GENERAL

THE DESCRIPTIONS AND REQUIREMENTS APPEARING IN ANY PART OF THE TECHNICAL SPECIFICATION SHALL APPLY EQUALLY TO THIS DRAWING, WHERE APPROPRIATE AND SHALL BE READ AS THOUGH REPEATED ON THIS DRAWING.

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE INDICATED.
- CONCRETE USE IN STRUCTURE SHALL BE AS THE FOLLOWING:
  - BEAM CLASS 30 MPA
  - COLUMN, CLASS 25 MPA
  - BLINDING CONCRETE, CLASS 10 MPA
- MORTAR MIX PROPORTION SHALL BE 1/2 ( RATED BY VOLUME OF CEMENT/SAND ) OR AS DIRECTED BY THE ENGINEER.
- ALL STEEL REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATIONS FOR AASHTO M31:
  - BAR OF DIAMETER 10MM AND ABOVE SHALL BE DEFORMED BALLETT STEEL BAR IN ACCORDANCE WITH AASHTO M31, GRADE 60
  - BAR OF DIAMETER BELOW 10MM MAY BE PLAIN MILD STEEL BARS IN ACCORDANCE WITH AASHTO M31 GRADE 40
- LAP LENGTH OF REINFORCEMENT BARS SHALL BE AS SHOWN IN TECHNICAL SPECIFICATION.
- WELD OF REINFORCEMENT BAR WILL NOT BE PERMITTED.
- MINIMUM THICKNESS OF CONCRETE COVER SHALL BE 30MM, MEASURED FROM THE SURFACE OF CONCRETE TO THE FACE OF NEAREST STEEL BAR.
- ALL INNER CORNERS OF R.C.BOX SHALL BE FILLETED 20 mm



PLAN

R.C. COVER OF R.C. DITCH TYPE "D"  
NOT TO SCALE

REVISION:		
No.	Description	Date
A	STANDARD DRAWING	5-11-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

Norconsult

PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : DETAILS OF SIDE DITCH AND RC U-DRAIN

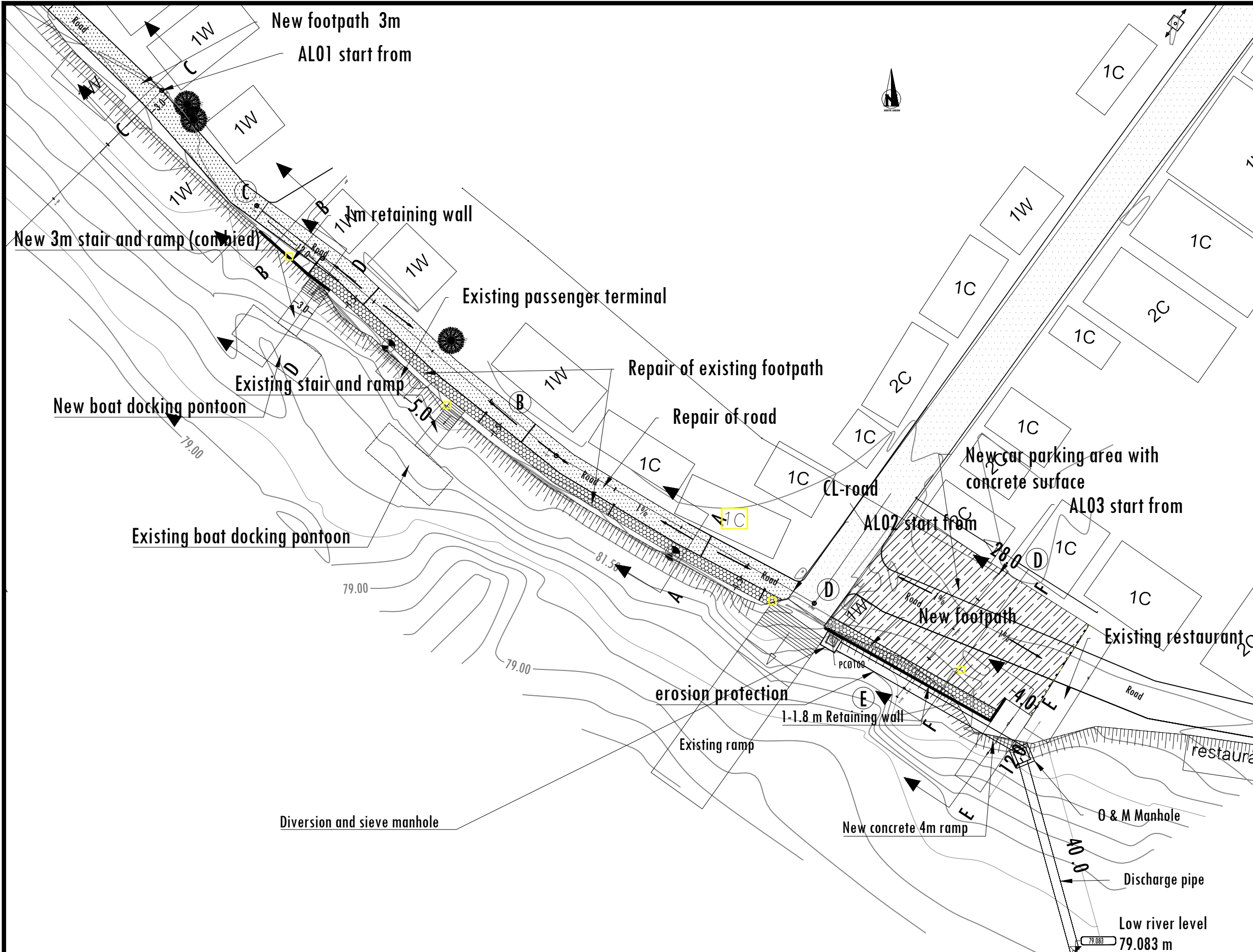
SCALE IN A3: NOT TO SCALE	DATE :	DRAWING No. : LAO - NKS	SD-18
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TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_



# VII. FOOTPATH DRAWING



LEGEND:

	NORTH DIRECTION
	CONCRETE
	BENCH MARK
	ELECTRIC POLE
	PROPOSED FINISHED ROAD
	EXISTING ROAD
	LIGHT FOREST
	DENSE FOREST
	RICE FIELD
	WOOD HOUSE (ONE STOREY)
	CONCRETE WOOD HOUSE (TWO STOREY)
	CONCRETE HOUSE (TWO STOREY)
	CONCRETE HOUSE (ONE STOREY)
	PIPE CULVERT
	BOX CULVERT
	FENCE

REVISION:

No.	Description	Date
A	FOOTPATH DRAWING	7-11-18


Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



**Norconsult**    

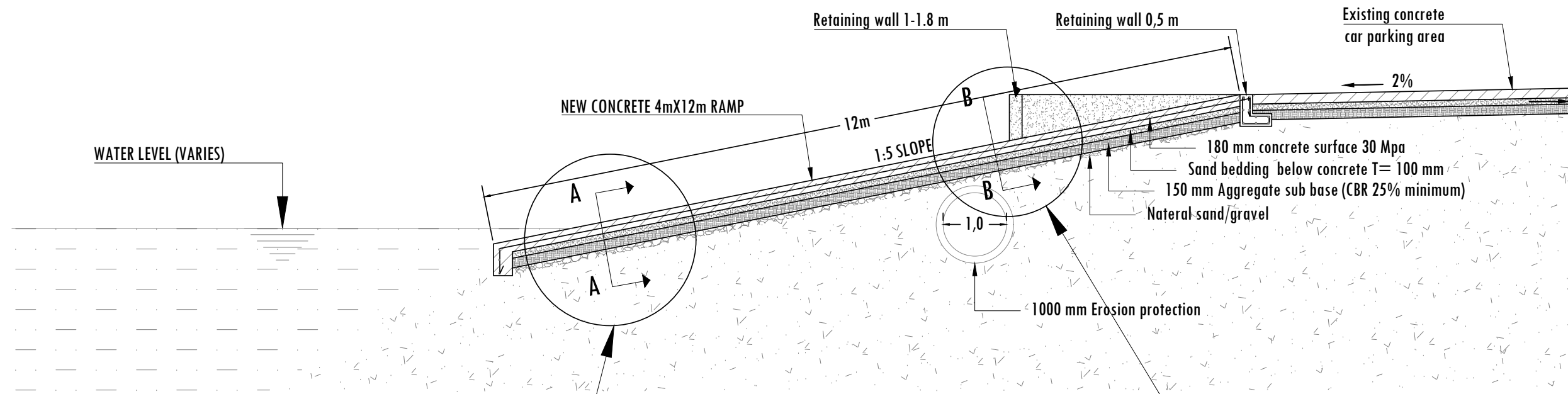
PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION

DRAWING TITLE : PLAN OF NAKASANG PORT

SCALE IN A3: 1: 500	DATE:	DRAWING No. : LAO - NDK	C-02-1
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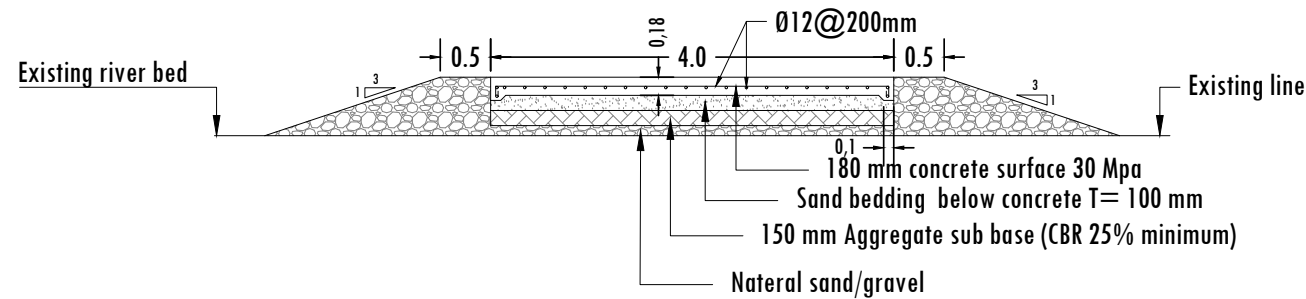
# CROSS SECTION E - E

Not to scale



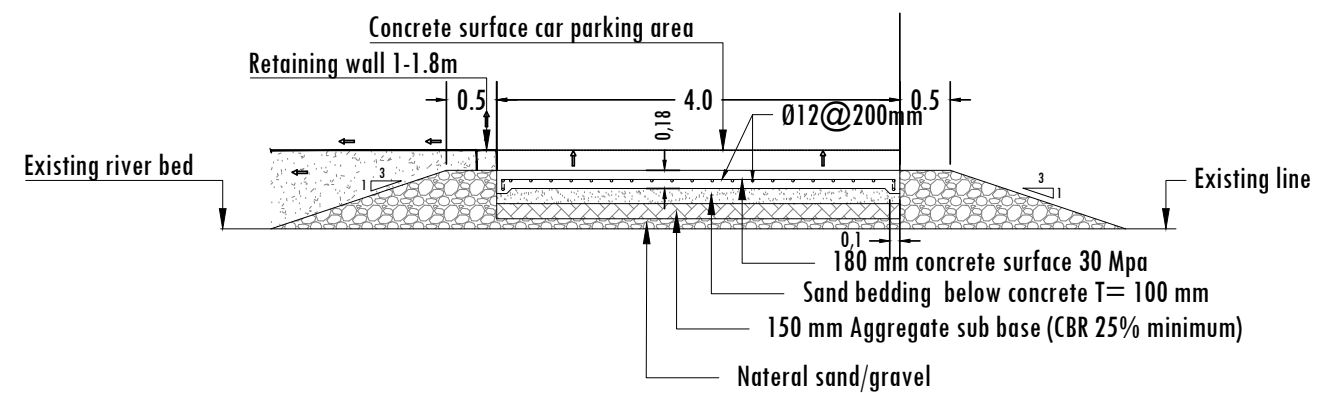
## DETAIL A - A

Not to scale



## DETAIL B - B

Not to scale



REVISION:		
No.	Description	Date
A	FOOTPATH DRAWING	7-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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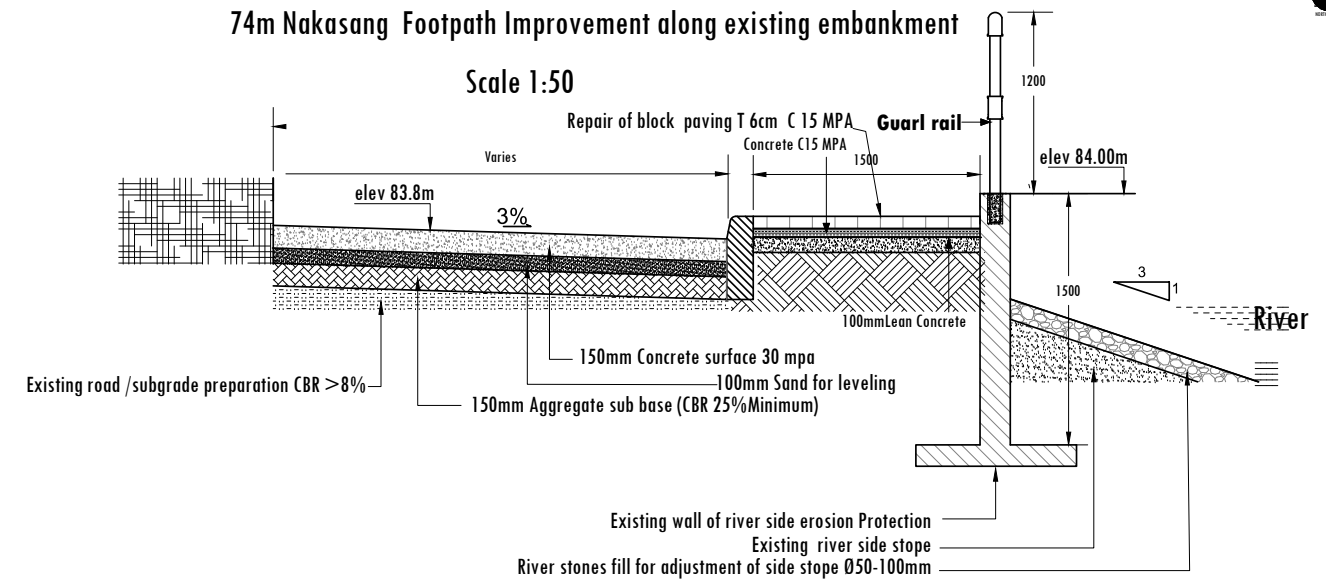
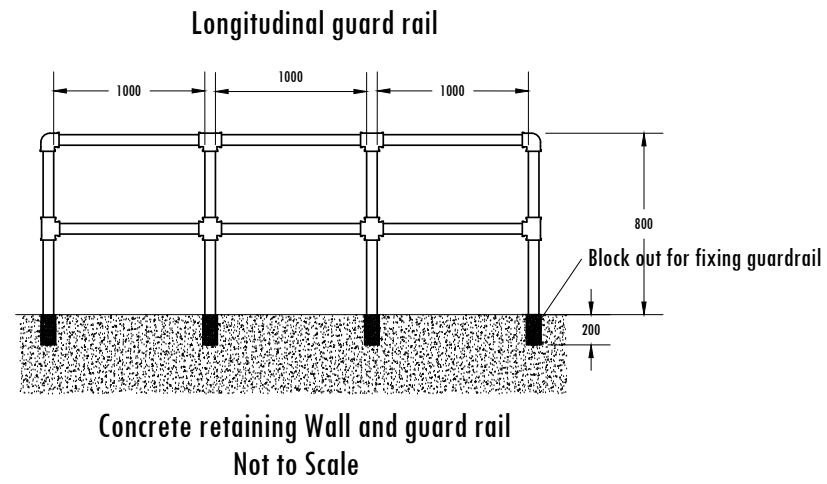


PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION

DRAWING TITLE : LAMP AND ACCESS ROAD CROSS SECTION

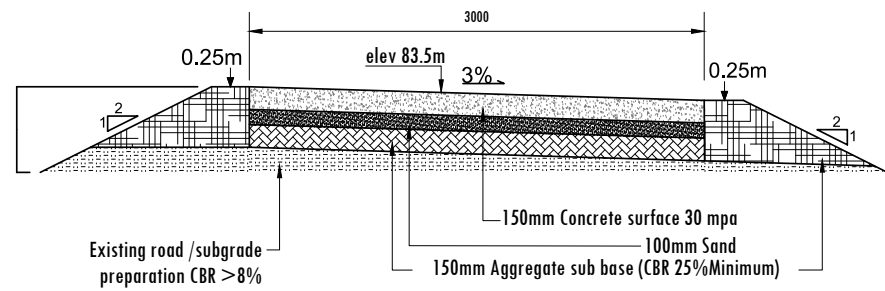
SCALE IN A3:	DATE :	DRAWING No. :	
1/75		LAO - NDK	C-02-2

CROSS SECTION A - A



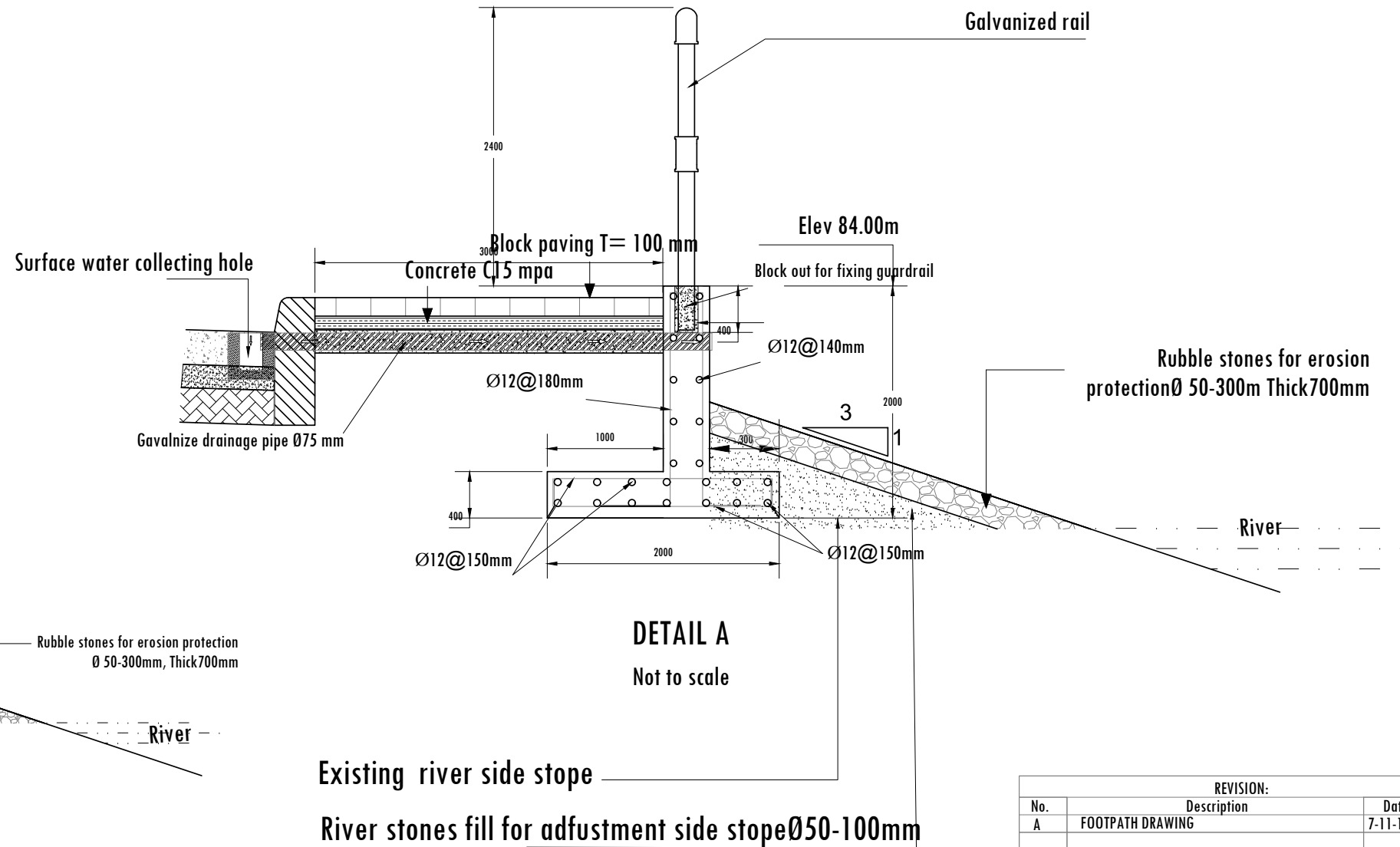
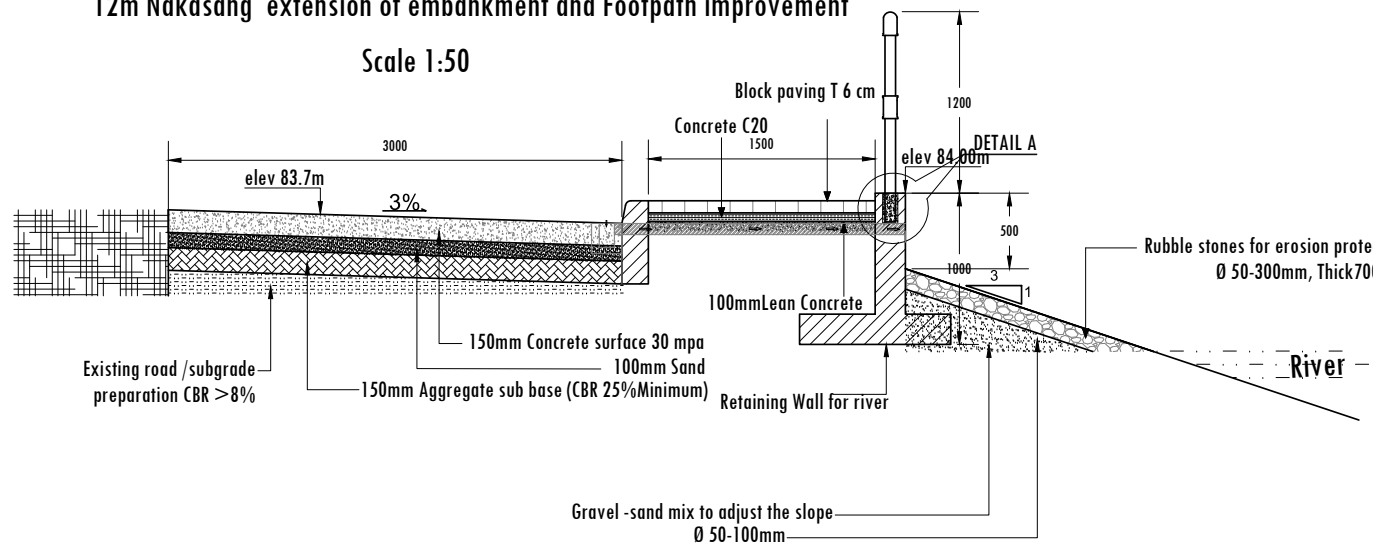
39m Nakasang footpath improvement between timber bridge and new extended embankment protection  
Scale 1:50

CROSS SECTION C - C



CROSS SECTION B - B

12m Nakasang extension of embankment and Footpath improvement  
Scale 1:50



REVISION:		
No.	Description	Date
A	FOOTPATH DRAWING	7-11-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:  
DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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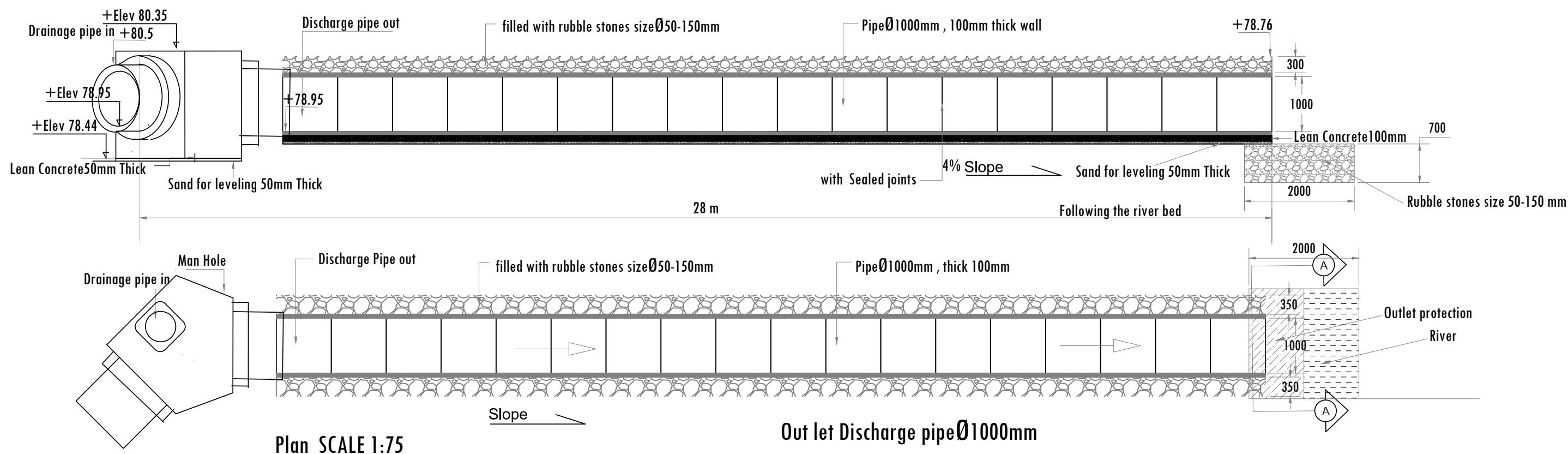
PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION

DRAWING TITLE : NAKASANG PORT CROSS SECTION FOOTPATH AND ROAD IMPROVEMENTS

SCALE IN A3:	DATE :	DRAWING No. :	C-02-3
1/50		LAO - NDK	

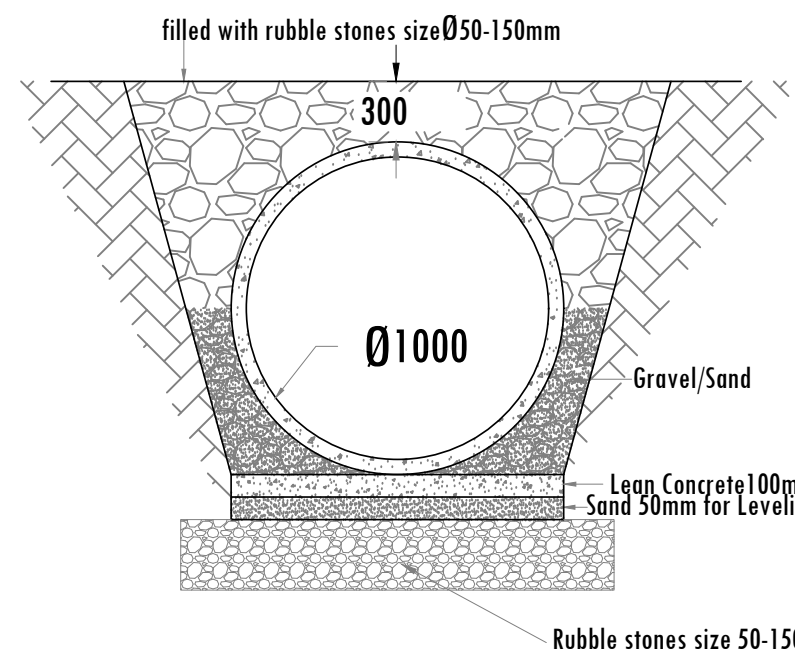


### Section of discharge pipe to the Lowest water level



Note: First 4-5 pipes are placed slope down to the elevation obtaining coverage 300mm

PIPE DIA (D)	DIMENSION			REINFORCEMENT									
	A	B	E	A1		A2		A3		A4		A5	
				D	@	D	@	D	@	D	@	D	@
400	1200	200	400	10	200	10	200	10	150	10	150	10	200
600	1200	200	400	10	200	10	200	10	150	10	150	10	200
800	1400	300	450	10	200	10	200	10	150	10	150	10	200
1000	1600	300	500	10	200	10	200	10	100	10	100	10	150
1200	1800	300	550	10	150	10	150	10	100	10	100	10	150



REVISION:		
No.	Description	Date
A	FOOTPATH DRAWING	7-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_



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 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

**CADTIS-Consultant**

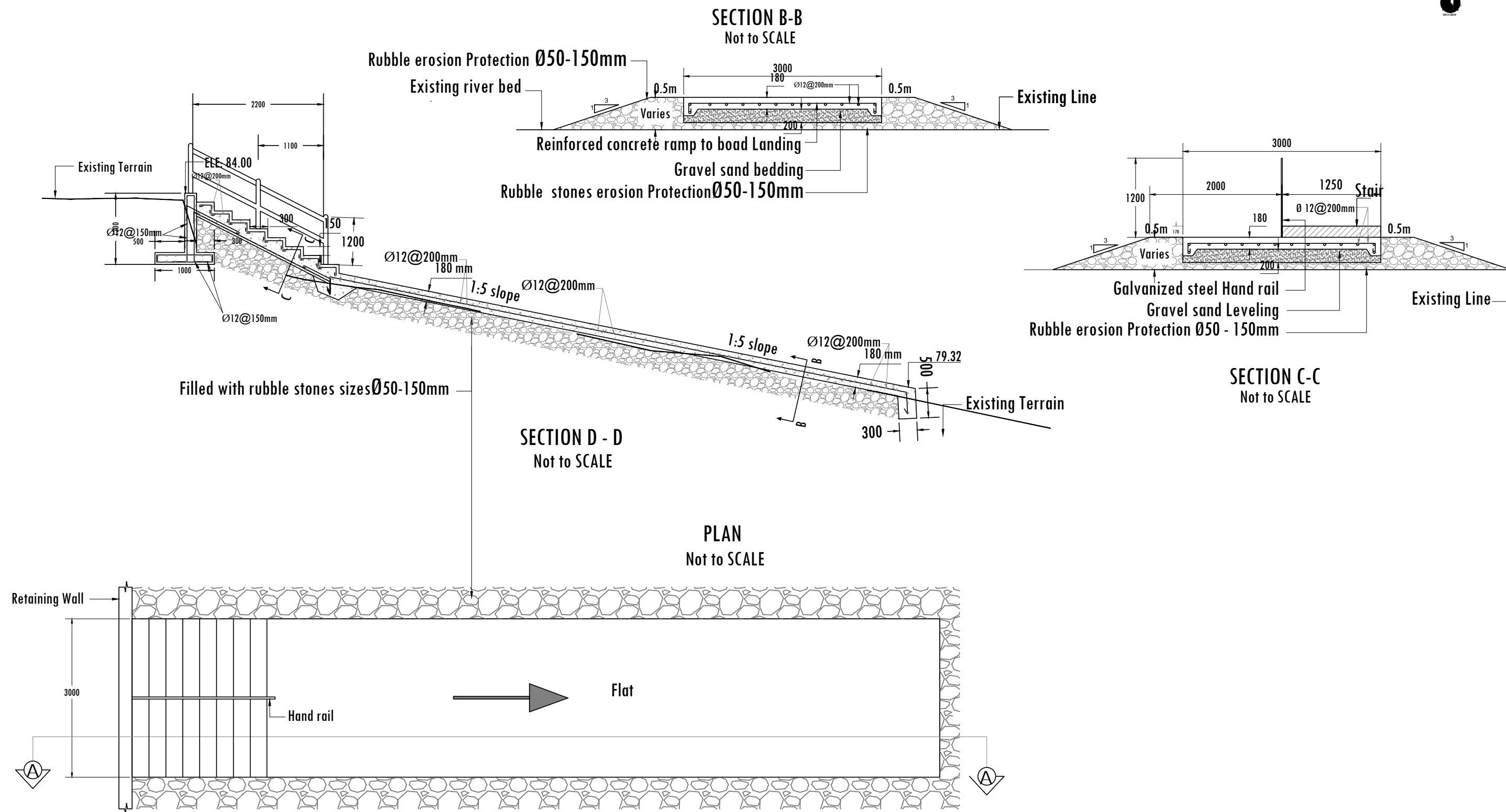
**LAO-Asean Engineering Consultants Sole CO.,LTD**

PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION

DRAWING TITLE : DISCHARGE PIPE SECTION AND PLAN

SCALE IN A3: AS SHOWN      DATE :      DRAWING No. : C-02-4

LAO - NDK



REVISION:		
No.	Description	Date
A	FOOTPATH DRAWING	7-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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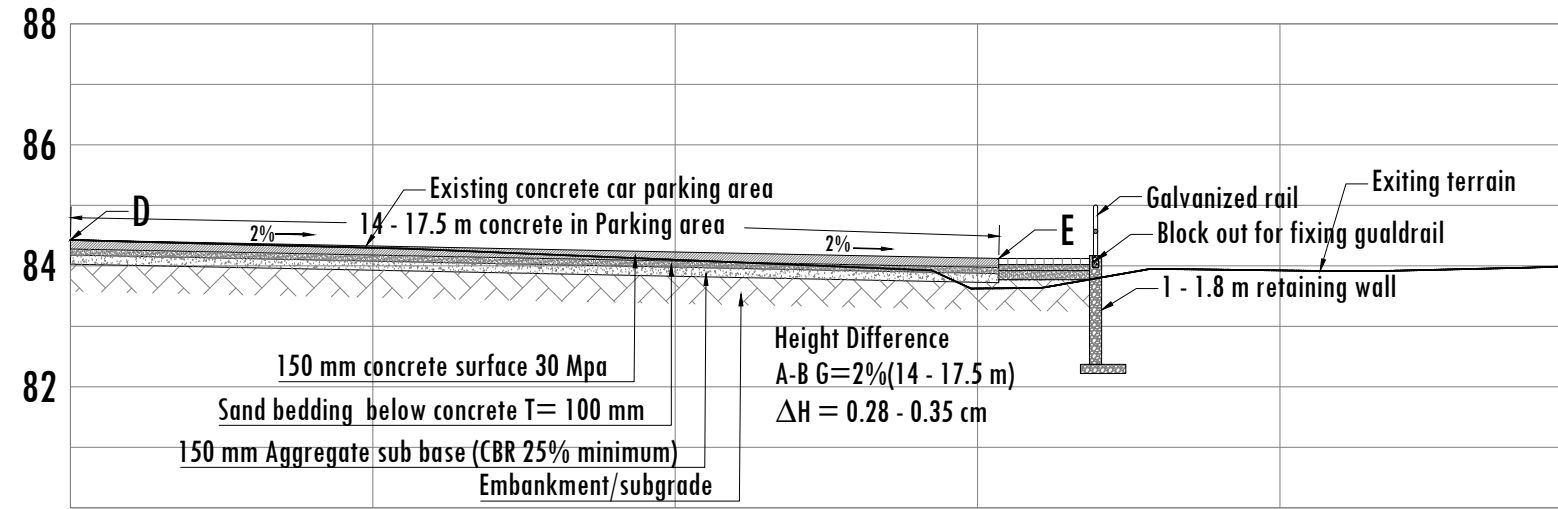
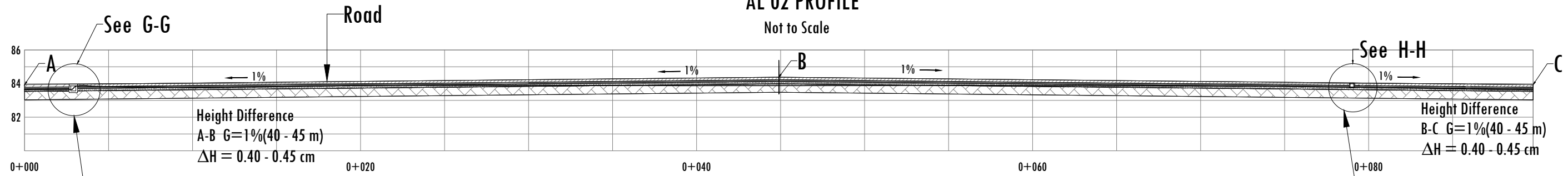
PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION

DRAWING TITLE : RAMPS AND ACCESS STAIR PLAN AND CROSS SECTIONS

SCALE IN A3:	DATE :	DRAWING No. :	C-02-5
1/50		LAO - NDK	

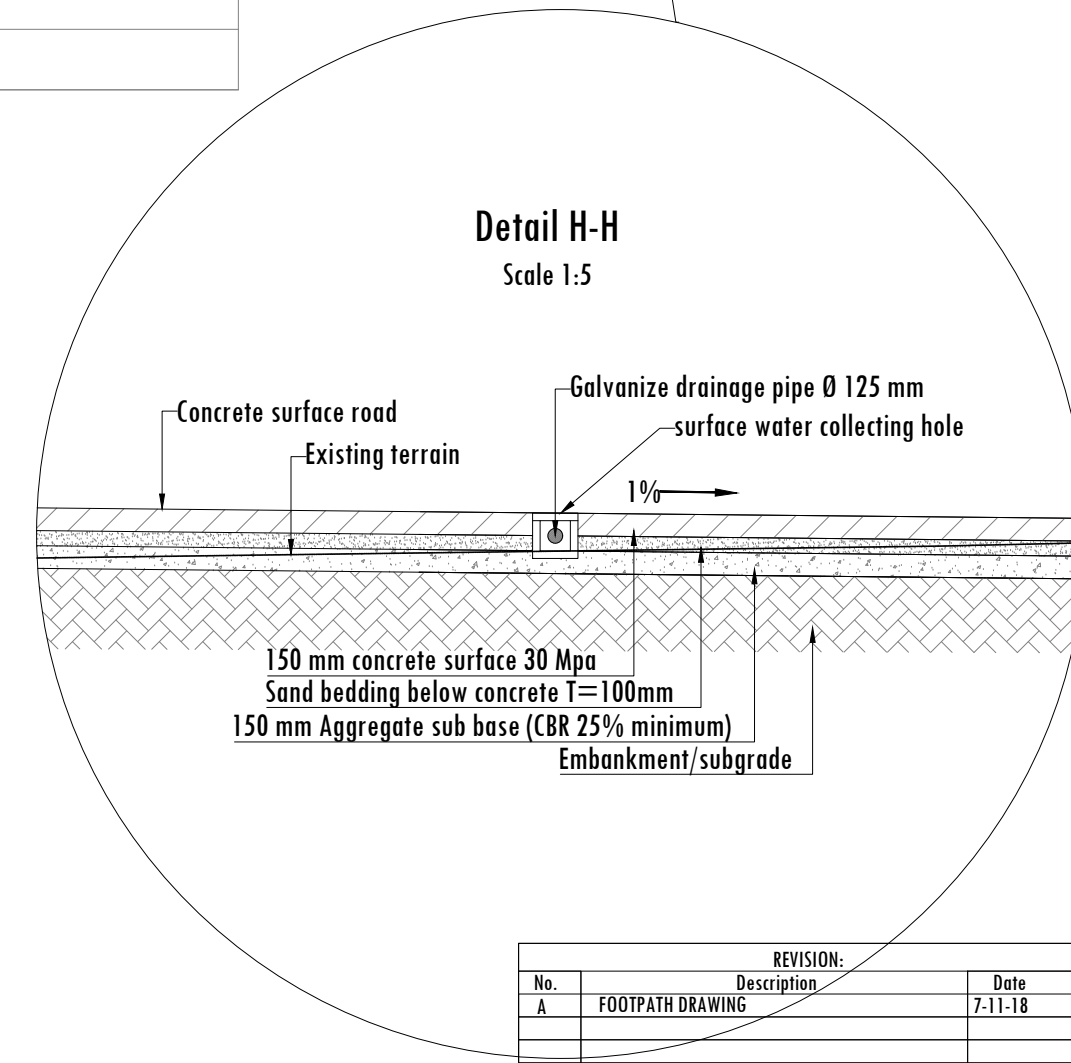
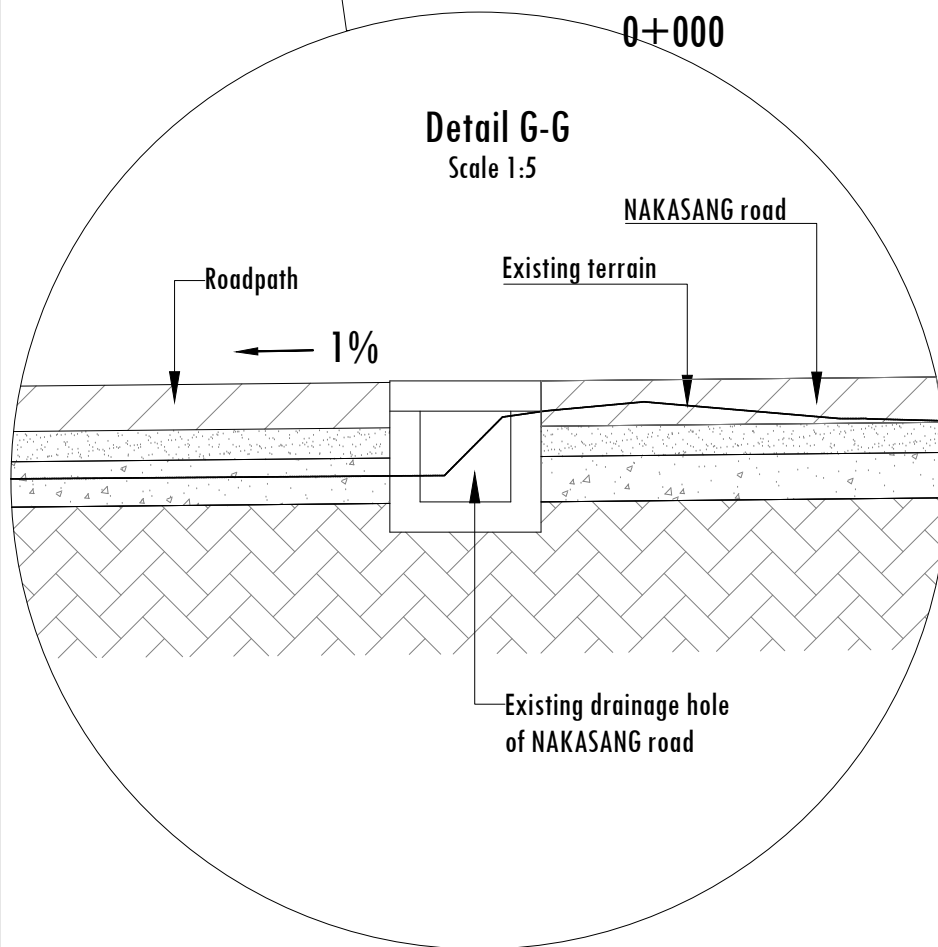
# AL 02 PROFILE

Not to Scale



# AL 03 PROFILE

Not to Scale



REVISION:		
No.	Description	Date
A	FOOTPATH DRAWING	7-11-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

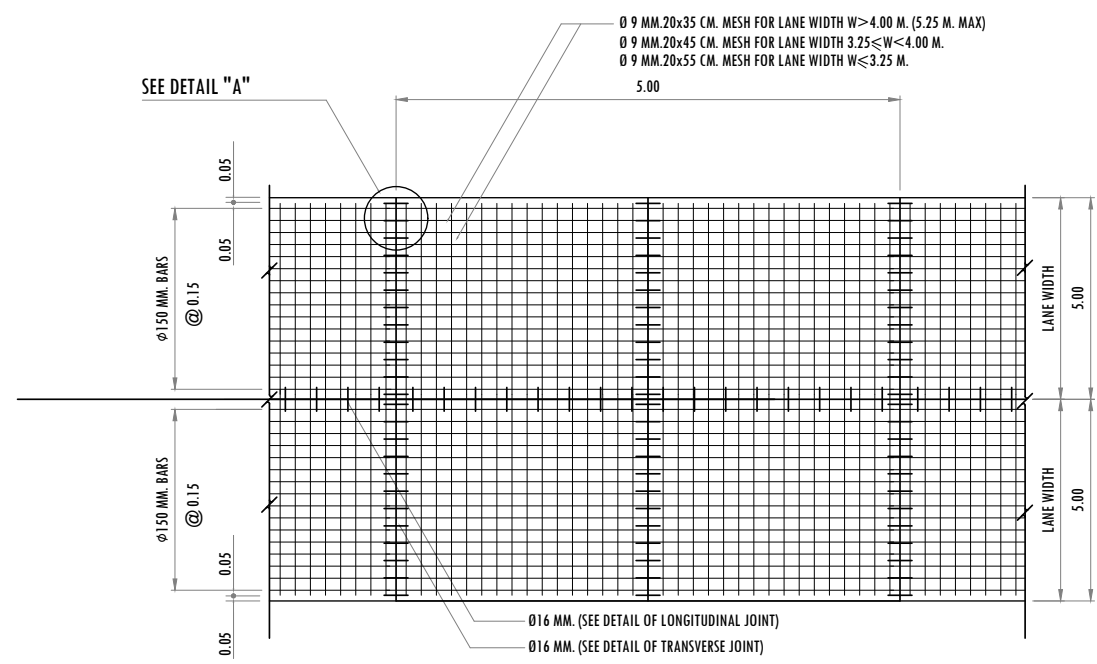
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



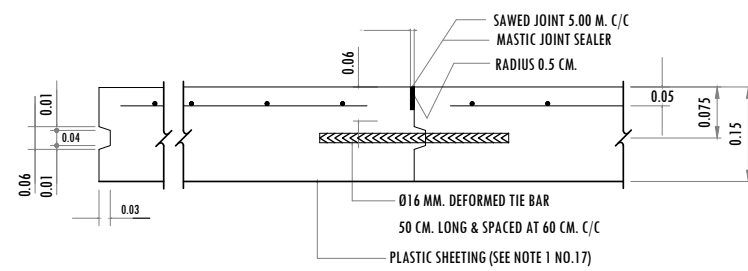
PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION

DRAWING TITLE : FOOT PATH AND PARKING AREA OF NAKASANG PORT

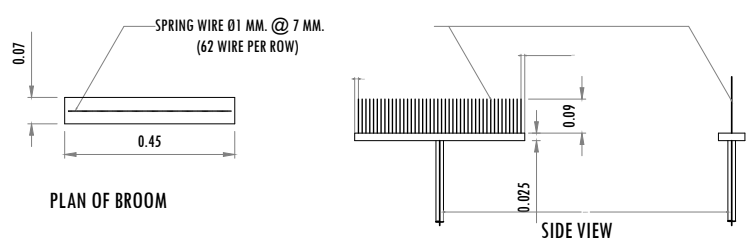
SCALE IN A3:	DATE :	DRAWING No. :	C-02-6
1/250		LAO - NDK	



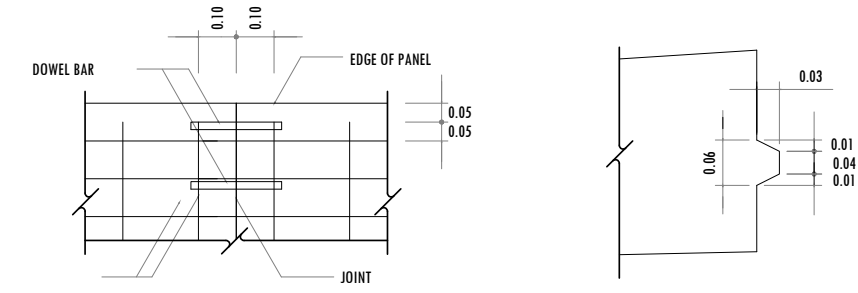
**PLAN OF REINFORCED CONCRETE PAVEMENT**  
NOT TO SCALE



**DETAIL OF LONGITUDINAL JOINT**  
NOT TO SCALE

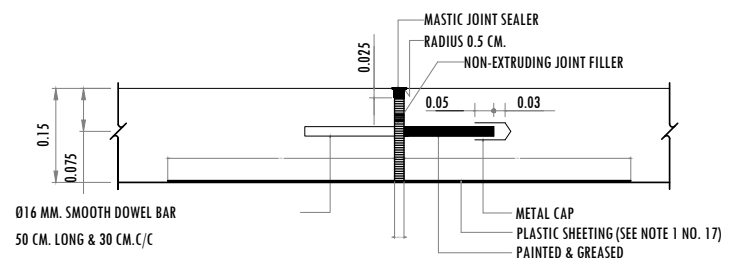


**DETAIL OF BROOM SURFACE CONCRETE PAVEMENT**  
NOT TO SCALE

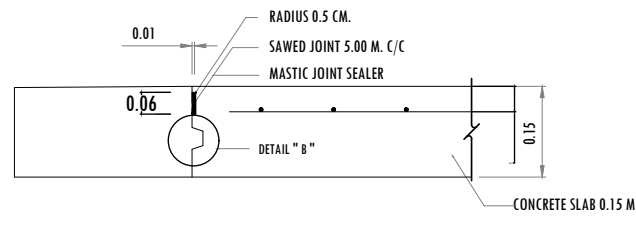


**DETAIL " A "**  
NOT TO SCALE

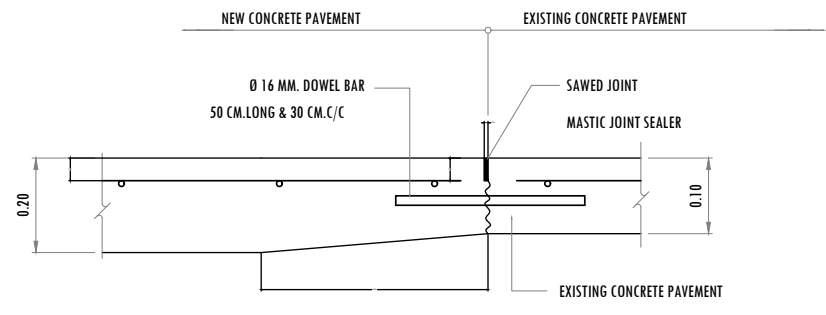
**SHEAR KEY DETAIL " B "**  
NOT TO SCALE



**DETAIL OF EXPANSION JOINT**  
NOT TO SCALE



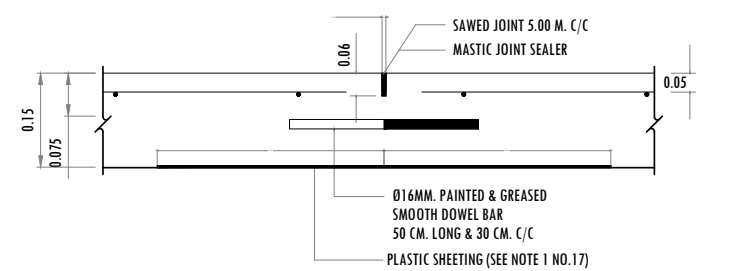
**DETAIL OF DUMMY JOINT**  
NOT TO SCALE



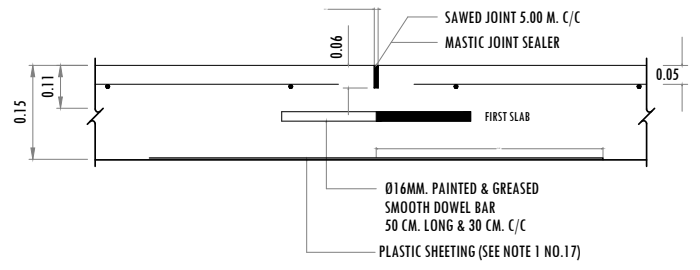
SCALE 1 : 20  
**DETAIL OF TRANSVERSE JOINT BETWEEN NEW AND EXISTING CONCRETE PAVEMENT**

NOTES:

1. All Dimension Measurements in Meter unless otherwise indicated
2. Approximate 5 x 5 m joints
3. Locations Expansion Joint shall be outside of span Bridge or Box Culvert at both sides along Linear of parking area
6. Concrete Shall be 30Mpa according Technical Specification
7. Steel Reinforcement shall be high strength of tension with conforming Standard AASHTO M31 as:
  - Ø > 10mm to be Deformed Bar of Standard AASHTO M31 Grade 60 unless otherwise indicated
  - Ø < 10mm to be Round Bar of Standard AASHTO M31 Grade 40
8. Plastic Sheets laid in below Concrete slab shall be conforming Standard appropriate as:
  - Thickness of Plastic Sheet shall be not less than 0.07mm with inaccurate not exceed 7%
  - Width of Plastic Sheet shall be not less than 1.20m
  - Plastic Sheet shall be not color and preven water leakage



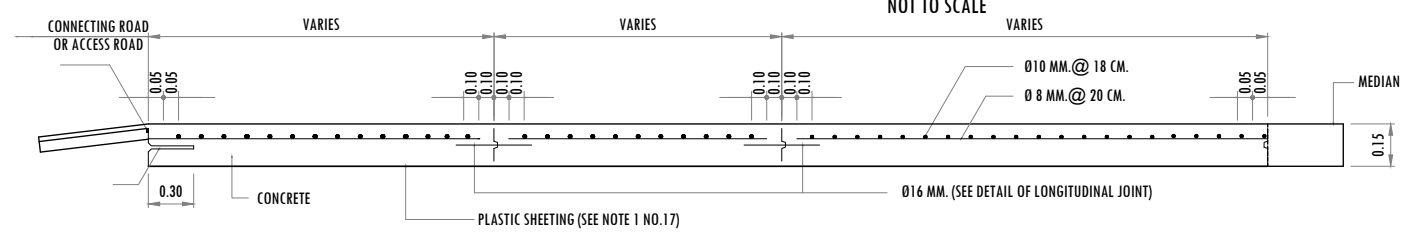
**DETAIL OF CONTRACTION JOINT**  
NOT TO SCALE



**DETAIL OF CONSTRUCTION JOINT**  
**DETAIL OF TRANSVERSE JOINTS**  
NOT TO SCALE

EDGE JOINT FOR ASPHALT AT CONNECTING ROAD, OR ACCESS TO ROAD SIDE MASTIC JOINT SEALER 2 CM. DEEP, 1 CM. WIDE

DRILLING Ø16 MM. @ 0.60 M. C/C



**REINFORCEMENT DETAIL OF CONCRETE PAVEMENT CROSS-SECTION**  
NOT TO SCALE

REVISION:		
No.	Description	Date
A	FOOTPATH DRAWING	7-11-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:  
DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

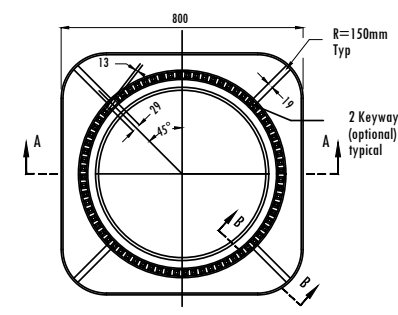
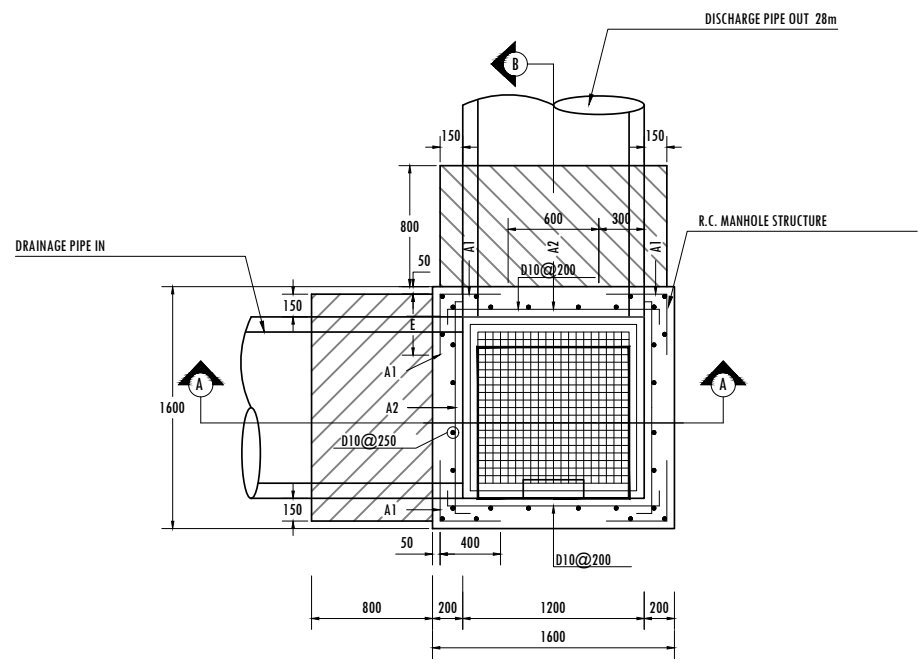
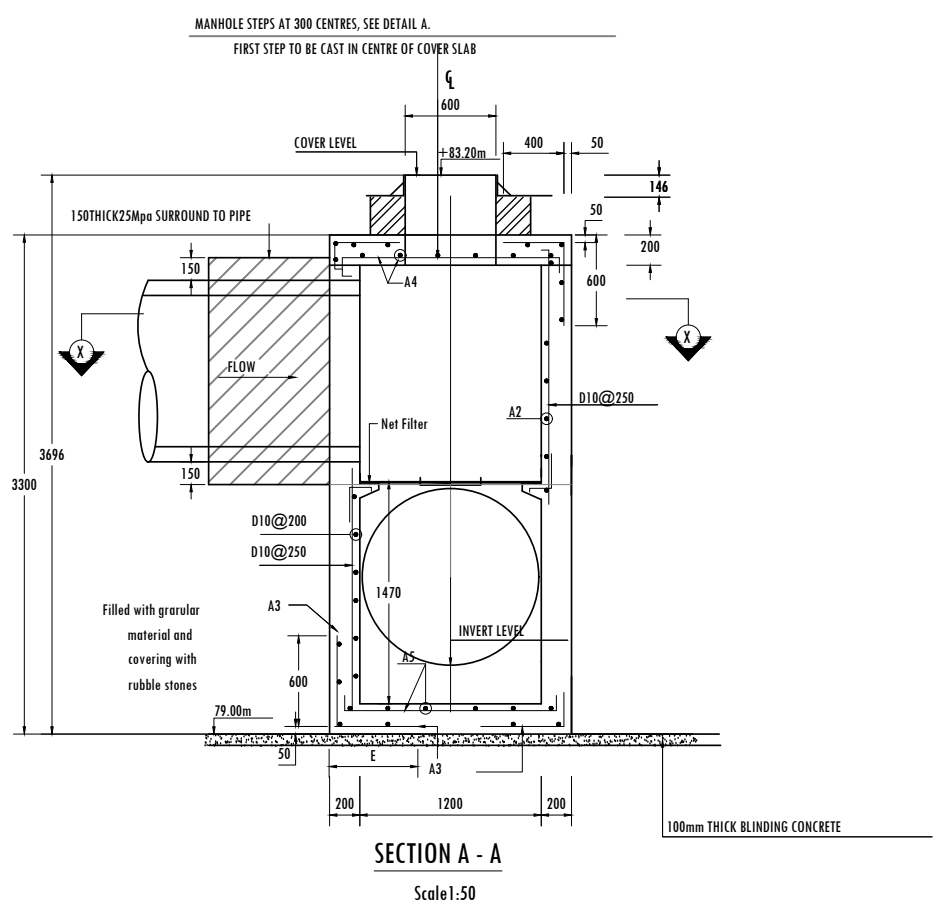
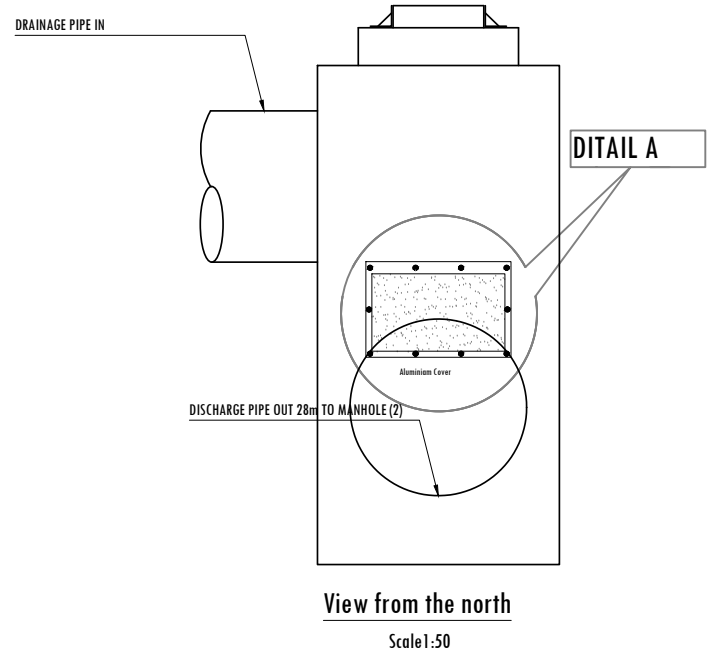
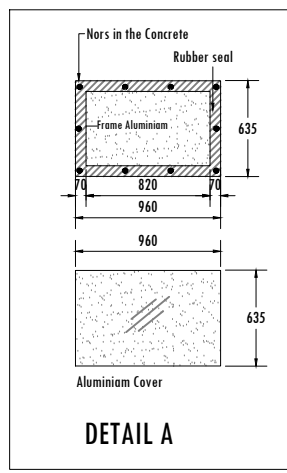
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



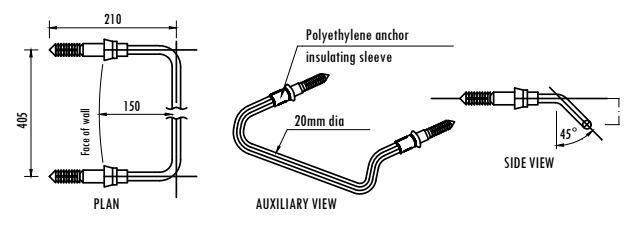
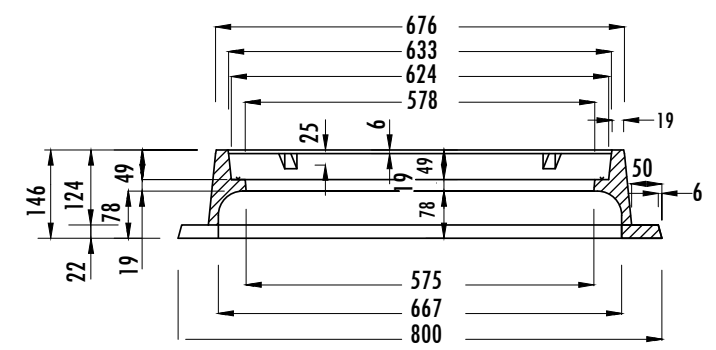
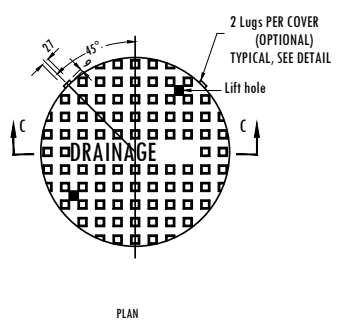
PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION

DRAWING TITLE : NAKASANG PORT PARKING AREA			
SCALE IN A3: NOT TO SCALE	DATE :	DRAWING No. : LAO - NDK	C-02-7

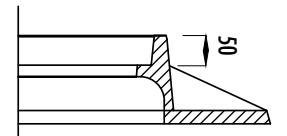
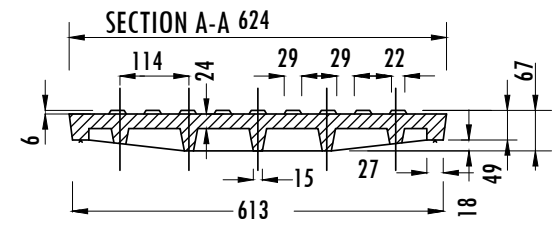
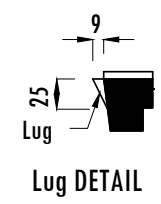




DETAIL CAST IRON MANHOLE COVER  
Scale 1:50



DETAIL A - MANHOLE STEP  
NOT TO SCALE



REVISION:		
No.	Description	Date
A	FOOTPATH DRAWING	7-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

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 Project-Lao PDR

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 MINISTRY OF INFORMATION, CULTURE & TOURISM



**Norconsult** **LAO-Asean Engineering Consultants Sole CO.,LTD**

PROJECT: A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION

DRAWING TITLE : STORM DRAINAGE MANHOLE PLAN AND SECTION

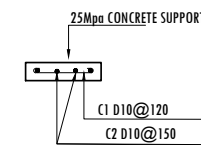
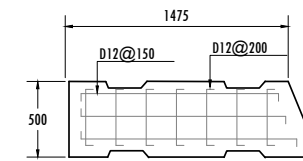
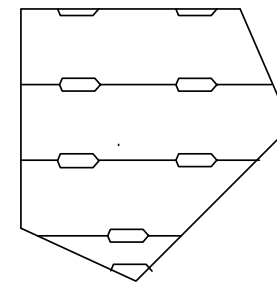
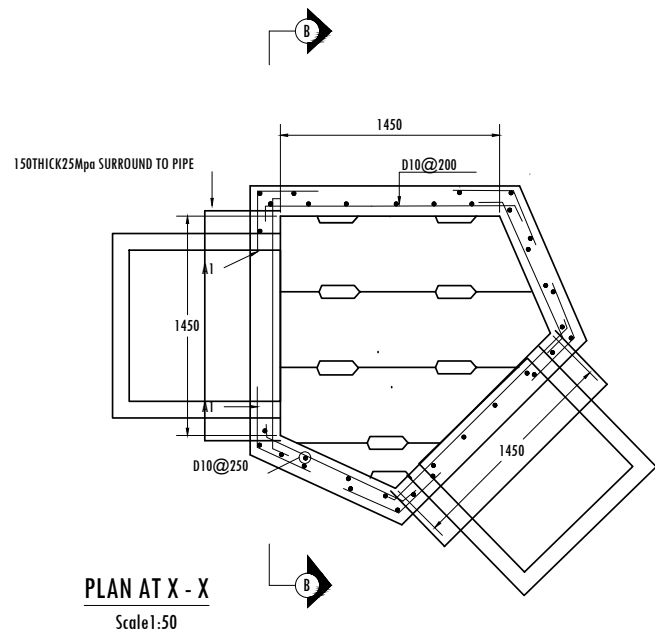
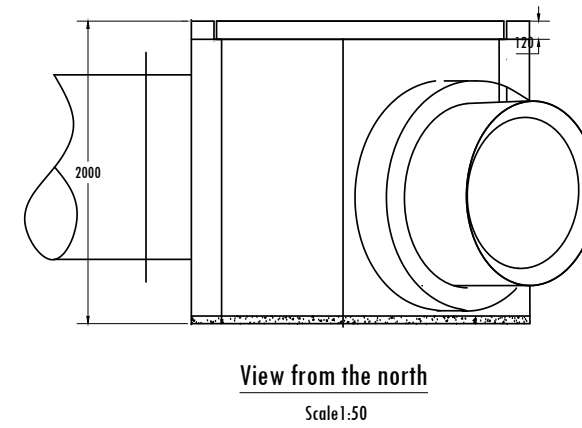
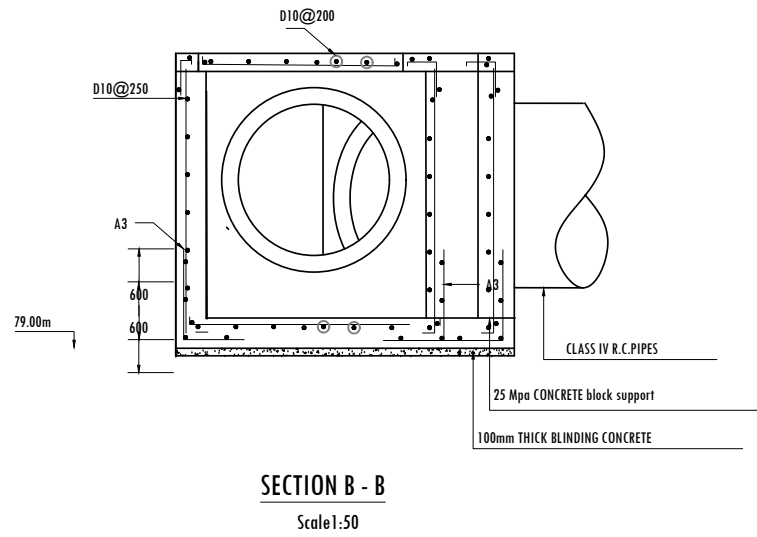
SCALE IN A3: NOT TO SCALE	DATE :	DRAWING No. : LAO - NDK	ST-01-1
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# MANHOLE

## NOTES:

1. ALL DIMENSIONS SHOWN ARE IN MILLIMETERS UNLESS OTHERWISE INDICATOR.
2. ARRANGEMENT OF REINFORCEMENT ARE SIMILAR AS DRW.DS-00-502 AND DS-00-503



REVISION:		
No.	Description	Date
A	FOOTPATH DRAWING	7-11-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

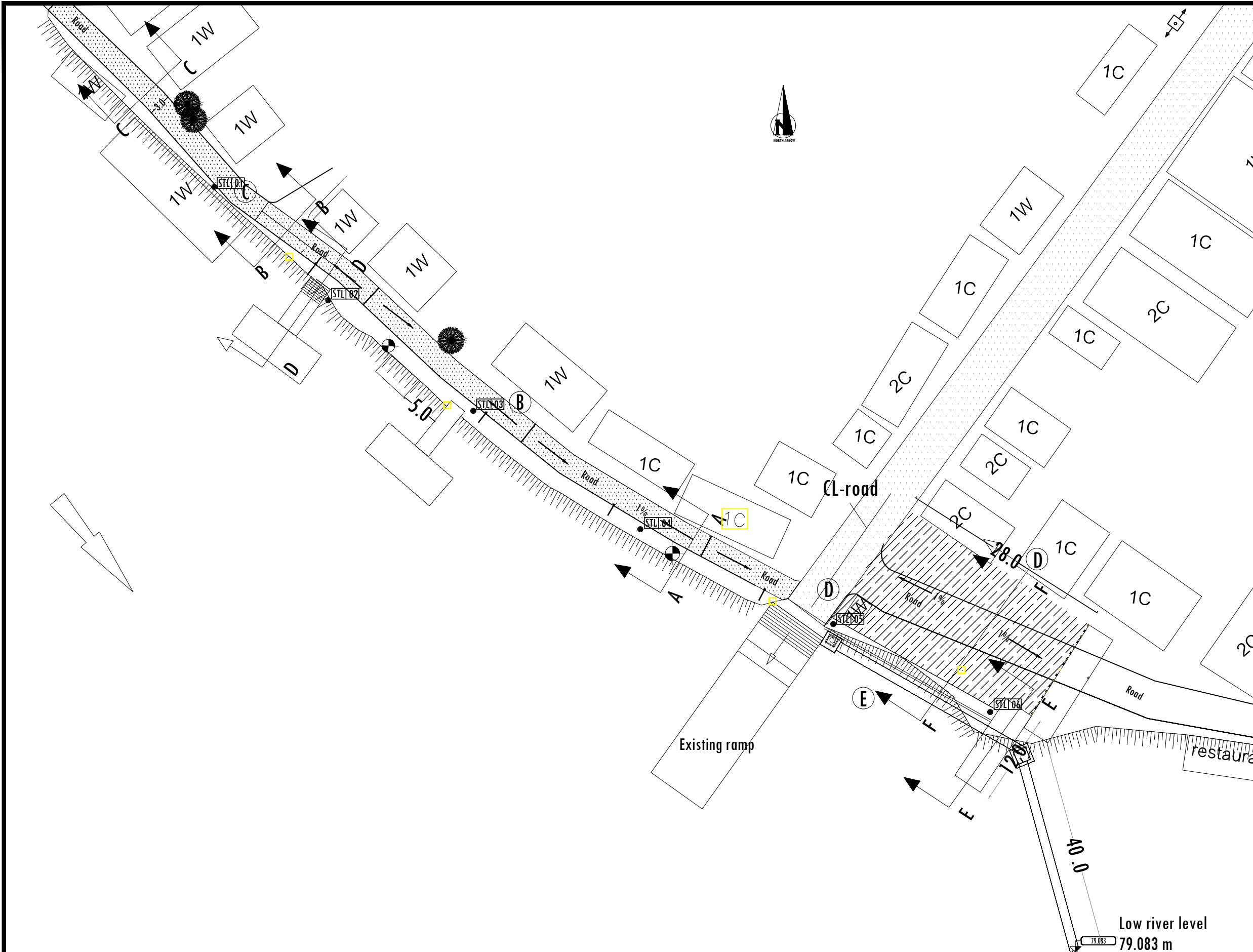
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION

DRAWING TITLE : O & M MANHOLE DISCHARGE PIPE PLAN AND SECTION

SCALE IN A3: AS SHOWN	DATE :	DRAWING No. : LAO - NDK	ST-01-2
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- LEGEND:**
- NORTH DIRECTION
  - CONCRETE BENCH MARK
  - ELECTRIC POLE
  - PROPOSED FINISHED ROAD
  - EXISTING ROAD
  - LIGHT FOREST
  - DENSE FOREST
  - RICE FIELD
  - WOOD HOUSE (ONE STOREY)
  - CONCRETE-WOOD HOUSE (TWO STOREY)
  - CONCRETE HOUSE (TWO STOREY)
  - CONCRETE HOUSE (ONE STOREY)
  - PIPE CULVERT
  - BOX CULVERT
  - FENCE
  - STREET LIGHT POLE

REVISION:		
No.	Description	Date
A	FOOTPATH DRAWING	7-11-18

Low river level  
79.083 m

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE: \_\_\_\_\_  
DATE: \_\_\_\_\_

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Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM

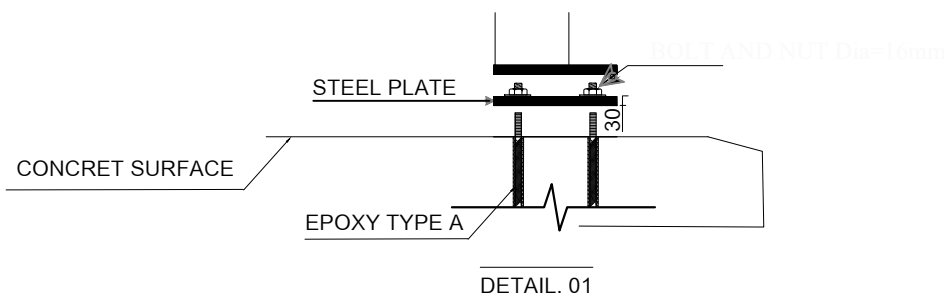
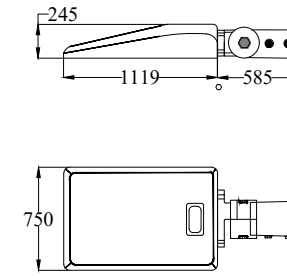
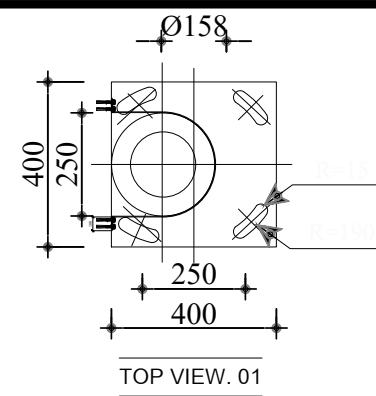
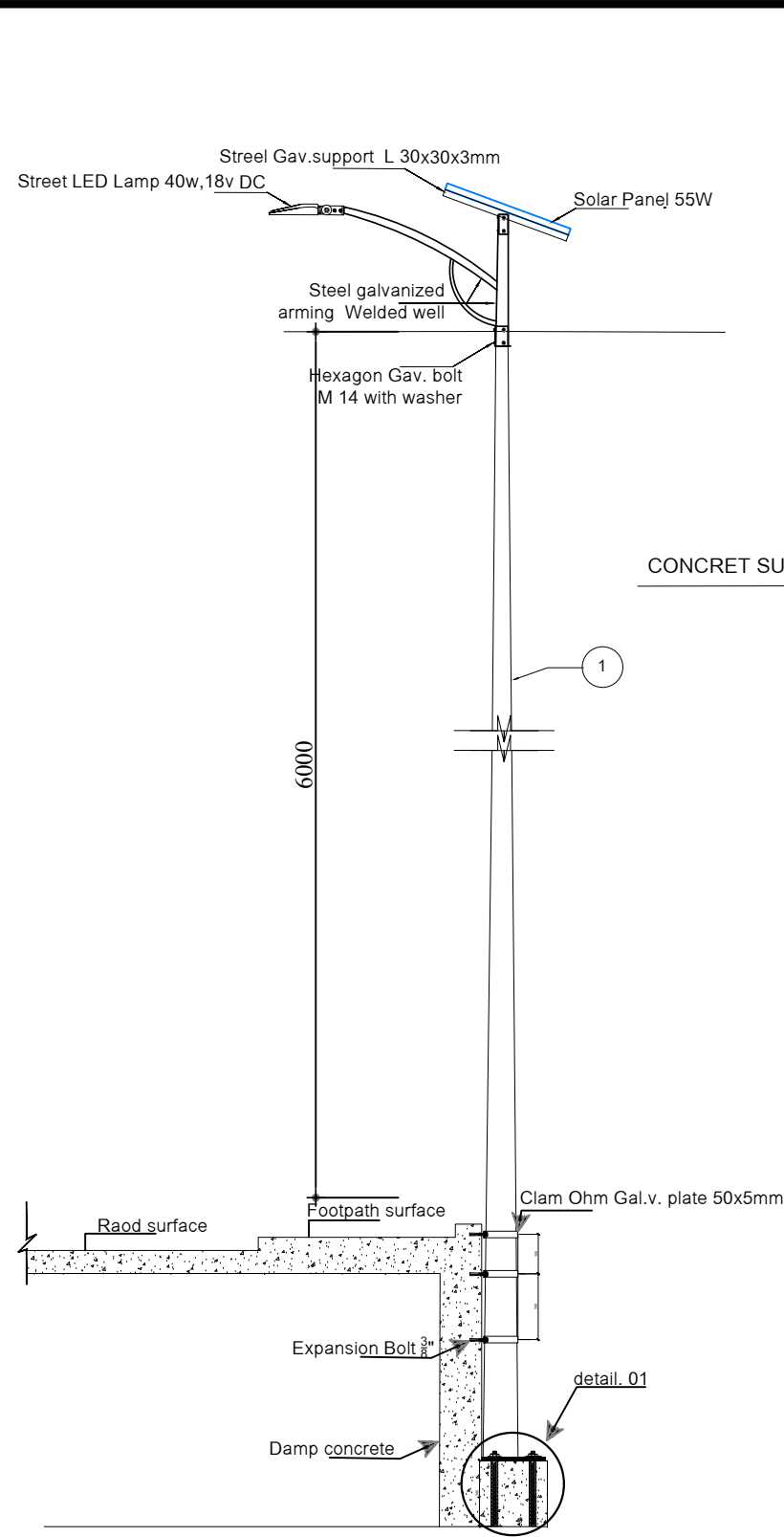


**Norconsult**

PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION

DRAWING TITLE : NAKASANG RIVER PORT LAYOUT AND PLAN

SCALE IN A3: 1: 500	DATE :	DRAWING No. : LAO - NDK	E-01-1
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**Specification:**

LAMP:	
Power. Max	40W
Luminouse fix	>5200 Lm
Beam angle	140x70 Degrees
Colour Temp	2700K6500K Optional
CRI	>83
LED Qty	72 Pcs
IP Rating	IP 67
Battery	488 Wh LiFEP 04
Controller	MPPT type with Sensor
Solar Panel:	
P max(W)	80 W
V. mp of PV	18 V
I. mp of PV	4.45 A
PV Size(mm)	760*670*30
Pole Height	6 M
Model:	

**Bill of materials:**

Item	Description	Qty
1	Steel hot deep Galvanized Pole	
2	arming strete light	
3	Support for Panel mounting	
4	Solar Panel 50W ,18V DC, 4.45A	
5	Solar Lamp LED 40W 18V DC	
6	Controller Sensor	
7	Lithium Battery 488Wh	
8	Hexagon Bolt M 14 with Washer	
9	Anchor Bolt M 16 with washer	
	MPPT type with Sensor	

**NOTES:**

Using Street Light Solar System:

- Electric supply  
The electric shall be supplier form selfgenerated for Solar system, the contractor must ensure that the equipment supplied will function correctly at the supply Voltage, and must follow for normal variation and Surge.
- Materials and Equipment
  - Lanturn  
Lantern shall be applied LED Luminouse flux lamp, totally enclose, side entry, dustproof, insectproof and water tight and tested for this requirement, all lantern shall be supplied complete with all the necessories control gear fully wired and fixed and ready for erection.  
A Simple lantern of the type poposed for use in this site is to be supplied to the engeneer to his approval before any installation is made together with a cetificate of manufacture.
  - Solar panel and Battery  
Solar panel utilize poly crystalline and mono crystalline silicon solar cells that combine high watts peak output.  
Battery shall use lead crystal (Gel) type or Lithium type , which poses long cycle lifetime and dilivers high efficiencys with depth of discharge in long term run.  
Charge controllers shall feature leading and tracking algorithm that maximize the energy harvest to prevent overcharge of battery.  
Lighting columns and brackets  
Columns shall be Manufactures form steel and shall consist of tapered round hollow sharfts with anchor bases. each column shall be provided with a suitable cable slot and a weatherproof service door fitted with a tamperproof lock.  
materials of column and bracket shall be SS400(JIS G 3101) or equivalent.and all steel columns and other ferrous materials including anchor bolts and nuts shall be hot deep Galvanized in accordance with JIS H 8641, HDZ 55 or HDZ 35. the weight of Zinc coating shall not be less than 550 g/m2 for steel plate with thickness mor than 30 mm and 350 g/m2 for steel pole with thickness 3.2 mm or less.  
Bracket to provided the required outreach shall be of sufficiently strong enough to support lantern and Solar panel mounted of the top of column without significant movment, and shall be provided with suitable fittings for lanterns.  
Anchor frame for lighting column shall be embedded in the concrete base as show on the drawings, all bolts and flat bars shall be fixed tightly with reinforcement bars in the concrete base.  
Method of measurement  
the quantities shall be measured in numbers of the poles installed and accepted in accordance with the drawing, the specification and as directed by the engineer.

Detail for streetlight pole. Scale: 1/50

REVISION:		
No.	Description	Date
A	FOOTPATH DRAWING	7-11-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

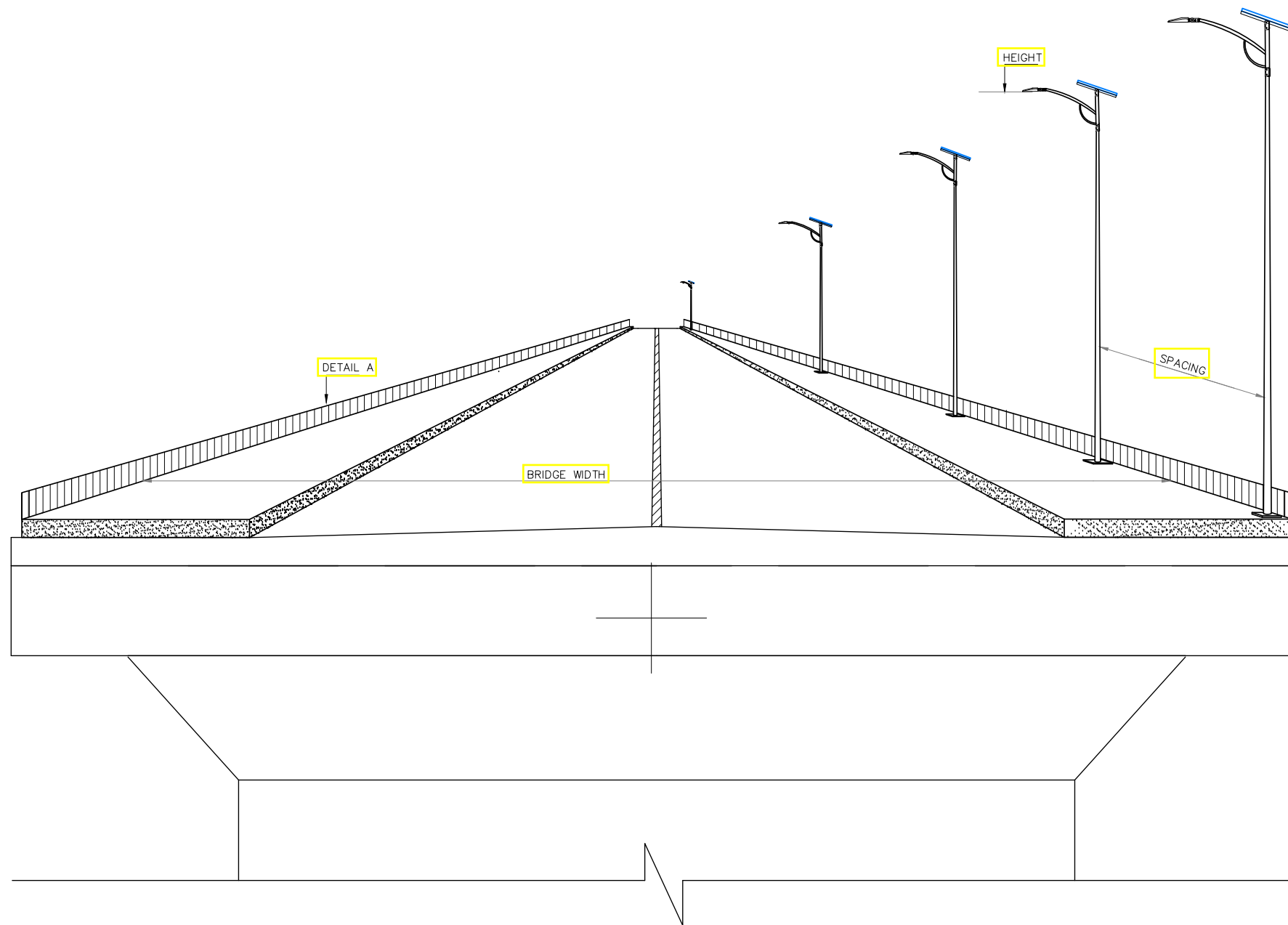
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION

DRAWING TITLE : STREET LIGHT POLES FOR NAKASANG RIVER PORT

SCALE IN A3: AS SHOWN	DATE :	DRAWING No. : LAO - NDK	E-01-2
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**NOTES:**

1. THE LIGHTING POLE ARE IN ACCORDANCE WITH BRITISH STANDARD 1840. 1960. MENTIONED BELOW.
2. THE LIGHTING POLE ARE MADE WITH ROUND STEEL TUBES TAPERED COLUMNS DETACHABLE BRACKETS.
3. THICKNESS: Min 4 mm. TENSILE STRENGTH: Min 41 Kg/mm<sup>2</sup>
4. THE POLE AND OTHER FERROUS MATERIALS ARE GALVANIZED BOTH INSIDE AND OUTSIDE BY HOT DIPPED GALVANIZING IN ACCORDANCE WITH ASTM A525-78, 550Gm/m<sup>2</sup> Weight of Zinc.

LIGHTING LAYOUT  
ON BRIDGE

REVISION:		
No.	Description	Date
A	FOOTPATH DRAWING	7-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

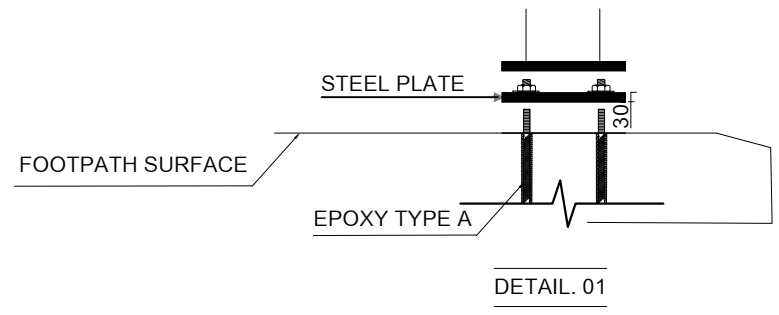
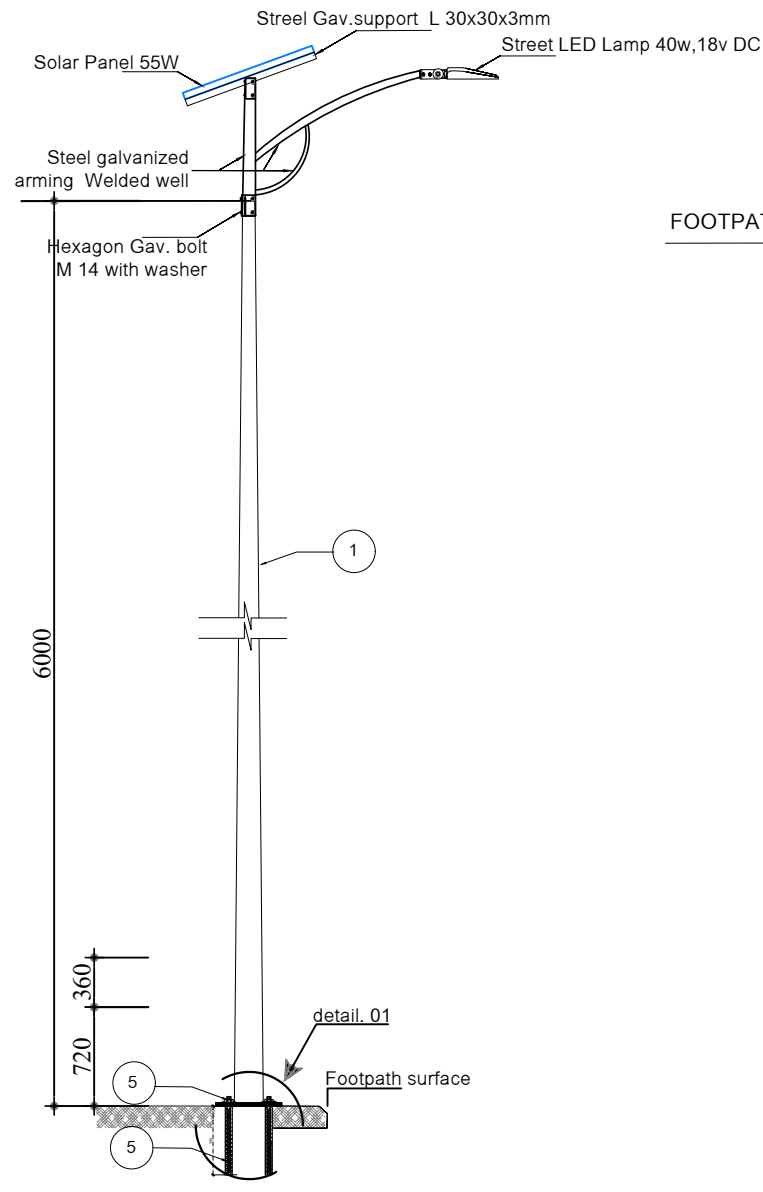
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION

DRAWING TITLE : LIGHTING POLES FOR OLD RAILWAY BRIDGE

SCALE IN A3: AS SHOWN	DATE :	DRAWING No. : LAO - NDK	E-02-1
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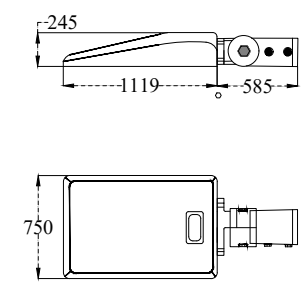


**Specification:**

LAMP:	
Power. Max	40W
Luminous flux	>5200 Lm
Beam angle	140x70 Degrees
Colour Temp	2700K6500K Optional
CRI	>83
LED Qty	72 Pcs
IP Rating	IP 67
Battery	488 Wh LiFEP 04
Controller	MPPT type with Sensor
Solar Panel:	
P max(W)	80 W
V. mp of PV	18 V
I. mp of PV	4.45 A
PV Size(mm)	760*670*30
Pole Height	6 M
Model:	

**Bill of materials:**

Item	Description	Qty
1	Steel hot deep Galvanized Pole	
2	arming strete light	
3	Support for Panel mounting	
4	Solar Panel 50W ,18V DC, 4.45A	
5	Solar Lamp LED 40W 18V DC	
6	Controller Sensor	
7	Lithium Battery 488Wh	
8	Hexagon Bolt M 14 with Washer	
9	Anchor Bolt M 19 with washer	
	MPPT type with Sensor	



**NOTES:**

Using Street Light Solar System:

1. Electric supply  
The electric shall be supplier form selfgenerated for Solar system, the contractor must ensure that the equipment supplied will function correctly at the supply Voltage, and must follow for normal variation and Surge.
2. Materials and Equipment
  - 2.1. Lanturn  
Lantern shall be applied LED Luminouse flux lamp, totally enclose, side entry, dustproof, insectproof and water tight and tested for this requirement, all lantern shall be supplied complete with all the necessary control gear fully wired and fixed and ready for erection.  
A Simple lantern of the type poposed for use in this site is to be supplied to the engineer to his approval before any installation is made together with a cetificate of manufacture.
  - 2.2. Solar panel and Battery  
Solar panel utilize poly crystalline and mono crystalline silicon solar cells that combine high watts peak output.  
Battery shall use lead crystal (Gel) type or Lithium type , which poses long cycle lifetime and dilivers high efficiencys with depth of discharge in long term run.  
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Lighting columns and brackets  
Columns shall be Manufactures form steel and shall consis of tapered round hollow sharfs with anchor bases. each column shall be provided with a suitable cable slot and a weatherproof service door fitted with a tamperproof lock.  
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Anchor frame for lighting column shall be embedded in the concrete base as show on the drawings, all bolts and flat bars shall be fixed tightly with reinforcement bars in the concrete base.  
Method of measurement  
the quantities shall be measured in numbers of the poles installed and accepted in accordance with the drawing, the specification and as directed by the engineer.

Detail for streetlight pole. Scale: 1/50

REVISION:		
No.	Description	Date
A	FOOTPATH DRAWING	7-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR

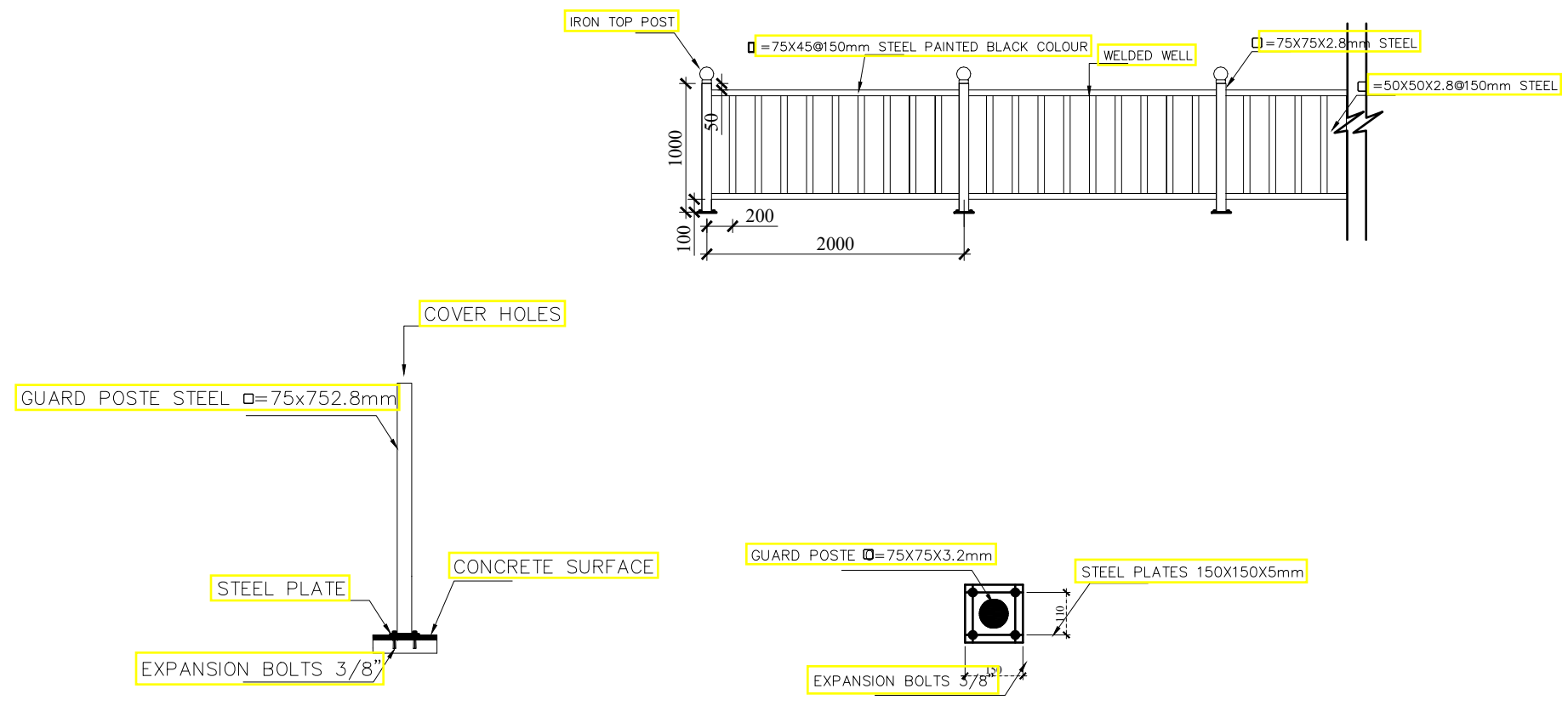
LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM



PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION

DRAWING TITLE : STANDARD CONSTRUCTION FOUNDATION OF LIGHTING POLE

SCALE IN A3: AS SHOWN	DATE :	DRAWING No. : LAO - NDK	E-02-2
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**NOTES:**

1. ALL DESIGN, DETAIL AND CONSTRUCTION OF GUARD RAIL SHALL COMPLY ENGINEERING
2. ALL POSTS SHALL BE SET VERTICAL, THE TOP OF THE GUARD RAIL IS TO FOLLOW THE GROUND PROFILE.
3. ROW AND COLUMN OF GUARD POSTS SHALL BE MEDIUM WEIGHT TUBE TO AS 1074.
4. INTERMEDIATE POSTS, BAR AND COLUMN SHALL BE TUBE TO AS PAINTED BLACK COLOUR.
5. STAYS AND STRUTS SHALL BE CONNECTED TO POSTS USING GALVANISED BOLTED SPLIT FITTINGS.
6. GUARD RAIL SHALL BE FULLY WELDED TO AS 1554.1 WITH A MINIMUM FILLET WELD OF 3mm.
7. BOLTS SHALL BE GRADE 4.6 COMMERCIAL GRADE BOLTS AND COMPLY WITH AS:1111. BOLTS, NUTS AND WASHERS SHALL BE GALVANISED.
8. ALL FERROUS MATERIALS SHALL BE PAINTED BLACK COLOUR.

DETAIL A  
FOR GUARD RAIL

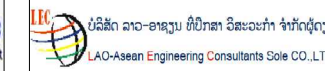
REVISION:		
No.	Description	Date
A	FOOTPATH DRAWING	7-11-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

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 DATE: \_\_\_\_\_

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LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
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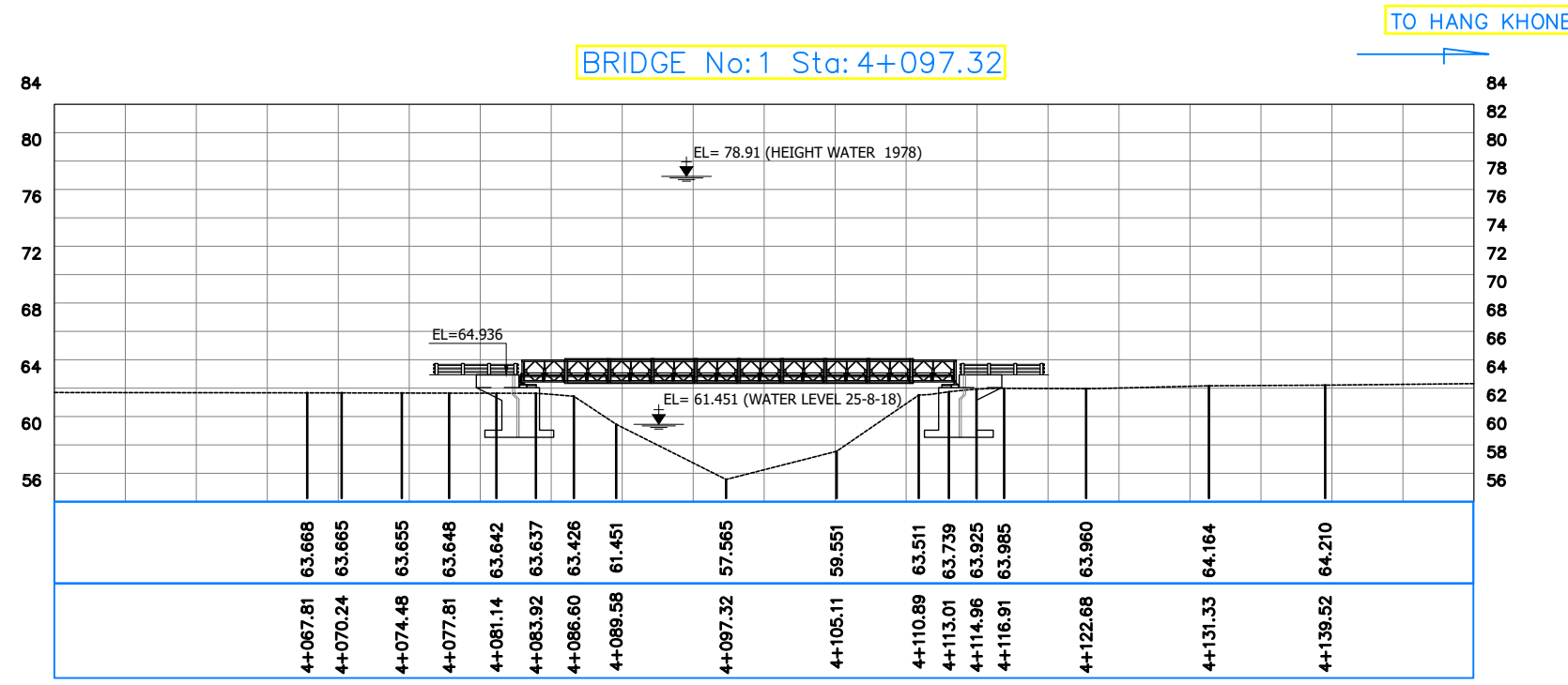
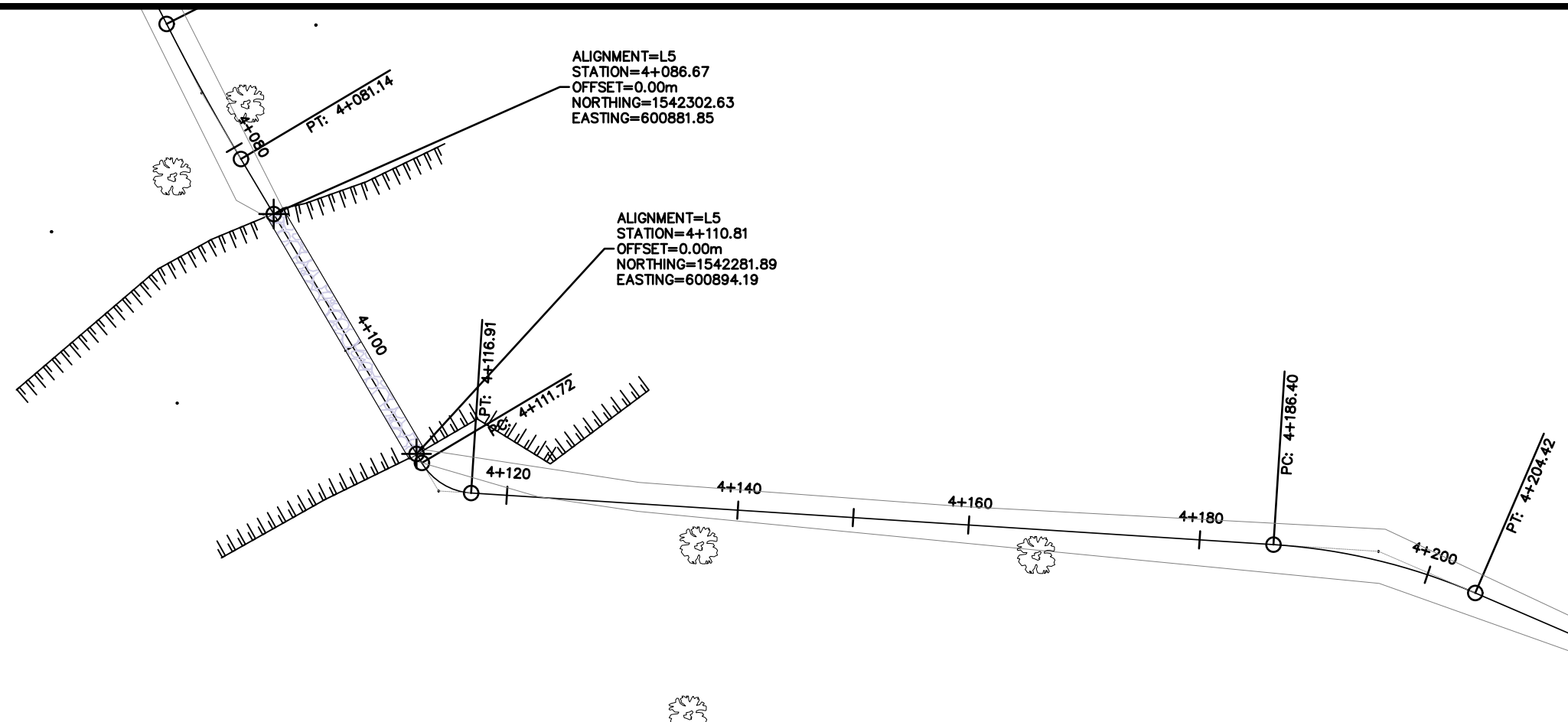
PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION

DRAWING TITLE : HAND RAIL ON BOTH SIDES OF OLD RAILWAY BRIDGE

SCALE IN A3: AS SHOWN	DATE :	DRAWING No. : LAO - NDK	E-03-1
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# VIII. BRIDGE DRAWING





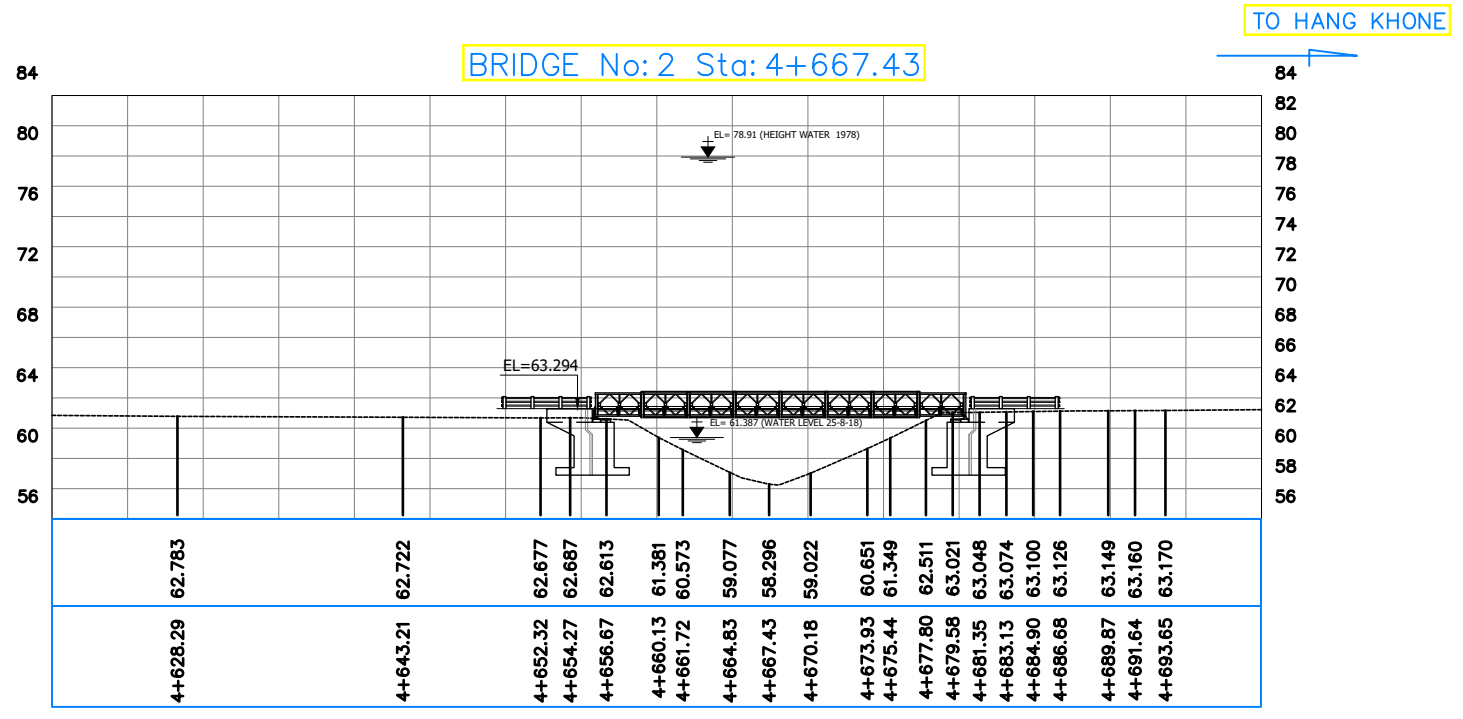
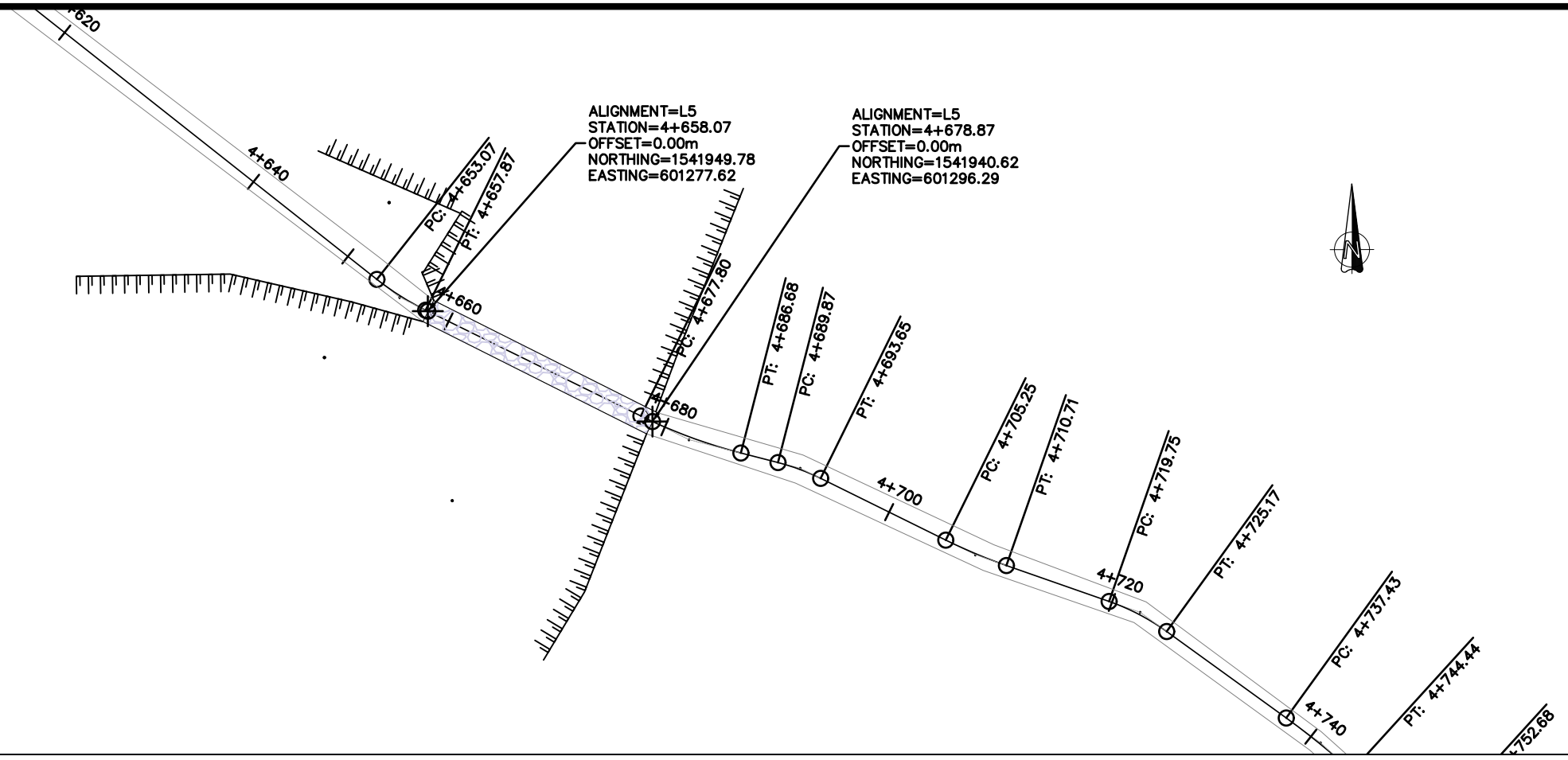
REVISION:		
No.	Description	Date
A	PLAN AND PROFILE OF BRIDGE	5-12-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_  
  
 TITLE: \_\_\_\_\_  
  
 DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
 TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
 Project-Lao PDR  
  
 LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : IRL-05 PLAN & PROFILE BRIDGE No:1 Sta. KM4+097.32  
 SCALE IN A3: 1/500      DATE :      DRAWING No. : BR-01  
 LAO - NKS



REVISION:		
No.	Description	Date
A	PLAN AND PROFILE OF BRIDGE	5-12-18

Designed: TO  
 Drawing: SS  
 Checked: JEFJ  
 Reviewed: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
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 Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
 MINISTRY OF INFORMATION, CULTURE & TOURISM

**Norconsult**

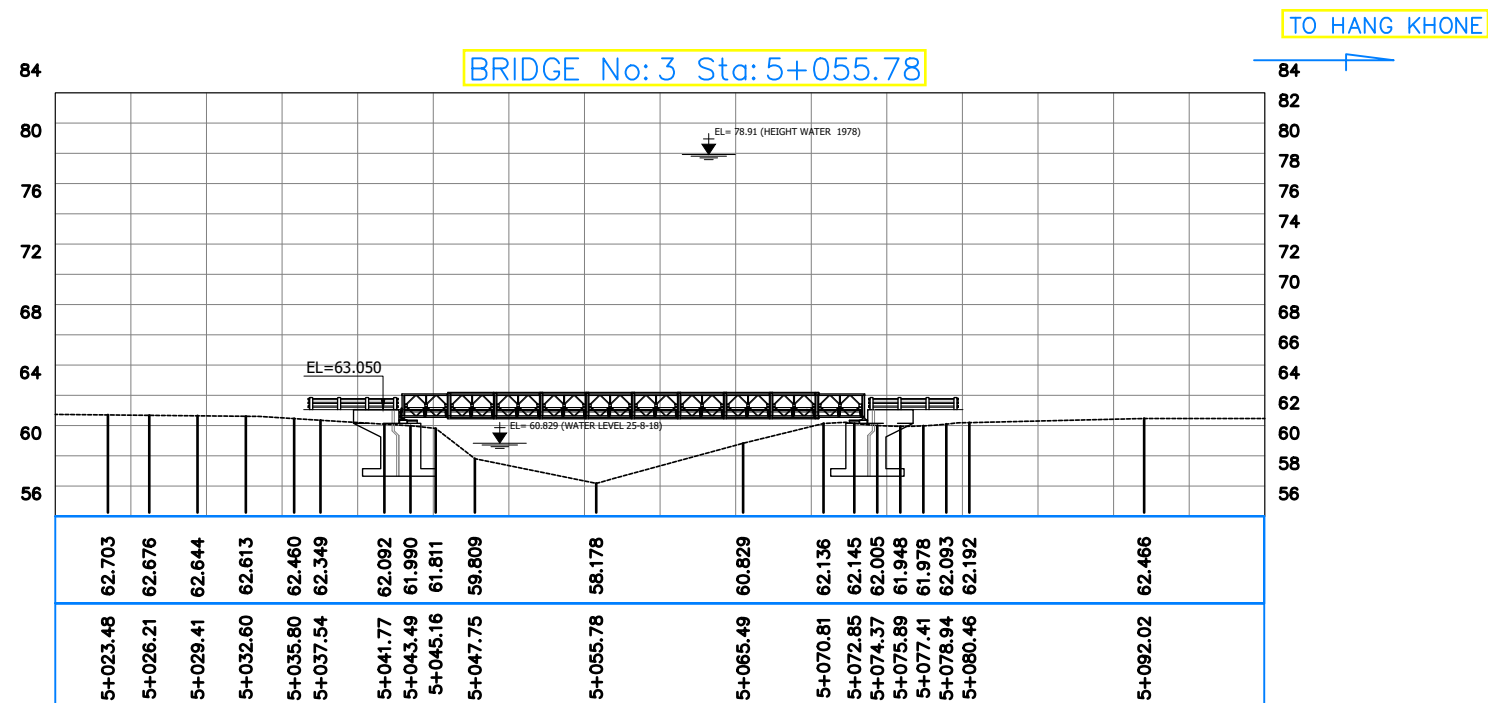
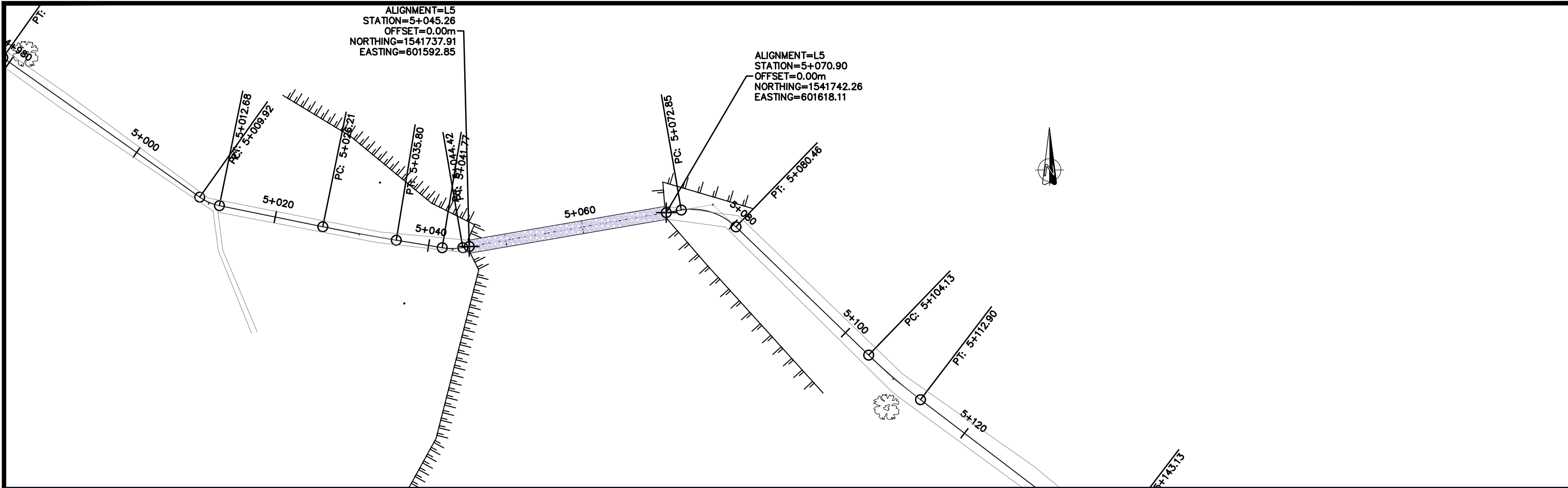
**CADTIS**

**LAO-Asean Engineering Consultants Sole CO.,LTD**

PROJECT:  
 A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
 A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : IRL-05- PLAN & PROFILE BRIDGE No:2 Sta. KM4+667.43

SCALE IN A3:	DATE :	DRAWING No. :	BR-02
1/500		LAO - NKS	



REVISION:		
No.	Description	Date
A	PLAN AND PROFILE OF BRIDGE	5-12-18

Designed: TO  
Drawing: SS  
Checked: JEFJ  
Reviewed:

TITLE:

DATE:

ADB TA 9090-REG: PREPARING THE SECOND GREATER MEKONG SUBREGION  
TOURISM INFRASTRUCTURE FOR INCLUSIVE GROWTH PROJECT  
Project-Lao PDR

LAO PEOPLE'S DEMOCRATIC REPUBLIC (LAO-PDR)  
MINISTRY OF INFORMATION, CULTURE & TOURISM



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PROJECT:  
A1. NAKASANG ACCESS ROAD AND PORT REHABILITATION  
A2. DET AND KHONE ISLANDS ACCESS ROAD IMPROVEMENT

DRAWING TITLE : IRL-05- PLAN & PROFILE BRIDGE No:3 Sta. KM5+055.78

SCALE IN A3:

1/500

DATE :

DRAWING No. :

LAO - NKS

BR-03