MINISTRY OF TRANSPORT (MOT)
VIET NAM EXPRESSWAY CORPORATION (VEC)
PROJECT MANAGEMENT UNIT No.85 (PMU 85)

Consulting Services
for
DETAILED DESIGN FOR DA NANG – QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Project ID No.P106235 *IDA Credit No. 4779-VN*

BASIC DESIGN REPORT FOR CIVIL WORKS (FINAL)
HỒ SƠ THIẾT KẾ CƠ SỞ PHẦN XÂY LẮP (BẢN CUỐI)

VOLUME 3 : DRAWINGS (1), ROAD
TẬP 3 : CÁC BẢN VẼ (1), PHẦN ĐƯỜNG

(Base on Decision No.1534/QĐ-BGTVT, dated 5th June, 2013)
(Theo Quyết định phê duyệt số 1534/QĐ-BGTVT, ngày 5 tháng 6 năm 2013)

The Joint Venture of / Liên danh tư vấn
NIPPON KOEI CO.,LTD.
NIPPON ENGINEERING CONSULTANTS CO.,LTD.
CHODAI CO.,LTD.
THAI ENGINEERING CONSULTANTS CO., LTD.

Consulting Services for
Detailed Design for Da Nang – Quang Ngai Expressway Development Project

BASIC DESIGN REPORT FOR CIVIL WORKS (FINAL)
HỒ SƠ THIẾT KẾ CƠ SỞ PHẦN XÂY LẮP (BẢN CUỐI)

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THE JOINT VENTURE OF NK-NE-CHODAI-TEC/ LIÊN DANH TƯ VẤN
Project Manager / Giám đốc dự án

Ichizuru Ishimoto

Danang, June 2013 - Đà Nẵng, tháng 06/2013

000003

Ministry of Transport
Vietnam Expressway Corporation
Project Management Unit No. 85

THE WORLD BANK

IDA Credit No. : 4779-VN
Project ID No. : P106235

Consulting Services
for
Detailed Design for Da Nang - Quang Ngai Expressway Development Project

Basic Design Report for Civil Works (final)
Hồ sơ thiết kế cơ sở phần xây lắp (Bản cuối)

(Whole section of Expressway)
(Phần đường cao tốc)

Volume 3 : Drawings [1], Road
Tập 3 : Các bản vẽ [1], Phần Đường

(Base on Decision No.1534/QĐ-BGTVT, dated 5th June, 2013)
(Theo Quyết định phê duyệt số 1534/QĐ-BGTVT, ngày 5 tháng 6 năm 2013)

Danang, June 2013 - Đà Nẵng, tháng 06/2013

The Joint Venture of
NIPPON KOEI CO.,LTD.
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CHODAI CO.,LTD.
THAI ENGINEERING CONSULTANTS CO., LTD.

A. GENERAL DRAWINGS
A. BẢN VẼ CHUNG

DA NANG - QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Stage: Detailed Design

VOLUME 3: DRAWINGS (1), ROAD / TẬP 3: CÁC BẢN VẼ PHẦN ĐƯỜNG

DRAWING LIST / DANH MỤC BẢN VẼ

NO / STT	TITLE / TÊN BẢN VẼ	DWG No. / KÝ HIỆU BẢN VẼ
A	GENERAL DRAWINGS	
1	DRAWING LIST (4 PAGES)	
2	LOCATION MAP	BD-GD-020
B	ALIGNMENT LAYOUT	
3	ALIGNMENT LAYOUT KM0-800-KM13+800	BD-RW-AL-010
4	ALIGNMENT LAYOUT KM13+800-KM28+400	BD-RW-AL-020
5	ALIGNMENT LAYOUT KM28+400-KM42+800	BD-RW-AL-030
6	ALIGNMENT LAYOUT KM42+800-KM57+200	BD-RW-AL-040
7	ALIGNMENT LAYOUT KM57+200-KM71+800	BD-RW-AL-050
8	ALIGNMENT LAYOUT KM71+800-KM86+200	BD-RW-AL-060
9	ALIGNMENT LAYOUT KM86+200-KM101+200	BD-RW-AL-070
10	ALIGNMENT LAYOUT KM101+200-KM116+000	BD-RW-AL-080
11	ALIGNMENT LAYOUT KM116+000-KM130+400	BD-RW-AL-090
12	ALIGNMENT LAYOUT KM130+400-KM139+204	BD-RW-AL-100
13	ELEMENTS OF ALIGNMENT	BD-RW-AL-110
C	TYPICAL CROSS SECTION	
C1	TYPICAL CROSS SECTION OF THRUWAY	
14	TYPICAL CROSS SECTION TYPE M-01, M-02	BD-RW-TY-010
15	TYPICAL CROSS SECTION TYPE M-03, M-04	BD-RW-TY-020
16	TYPICAL CROSS SECTION TYPE M-05, M-06	BD-RW-TY-030
17	TYPICAL CROSS SECTION TYPE M-07, M-08	BD-RW-TY-040
18	TYPICAL CROSS SECTION TYPE M-09, M-10	BD-RW-TY-050
19	TYPICAL CROSS SECTION TYPE M-11, M-12: PC-BOX GIRDER	BD-RW-TY-060
20	TYPICAL CROSS SECTION TYPE M-13, M-14: OTHER BRIDGE	BD-RW-TY-070
21	TYPICAL CROSS SECTION TYPE M-15, M-16: TUNNEL	BD-RW-TY-080
22	TYPICAL CROSS SECTION TYPE BP: DA NANG BYPASS	BD-RW-TY-090
23	TYPICAL CROSS SECTION TYPE L-01, L-02: LINKING ROAD	BD-RW-TY-100
C2	TYPICAL CROSS SECTION OF RAMPWAY OF INTERCHANGE	
24	TYPICAL CROSS SECTION TYPE R-01, R-02	BD-RW-TY-110
25	TYPICAL CROSS SECTION TYPE R-03, R-04	BD-RW-TY-120
26	TYPICAL CROSS SECTION TYPE R-05, R-06	BD-RW-TY-130
27	TYPICAL CROSS SECTION TYPE R-07, R-08	BD-RW-TY-140
28	TYPICAL CROSS SECTION TYPE R-09, R-10	BD-RW-TY-150
C3	TYPICAL CROSS SECTION OF CROSS ROAD	
29	TYPICAL CROSS SECTION OF CROSS ROAD TYPE X-RD-01, 02	BD-RW-TY-160
30	TYPICAL CROSS SECTION OF CROSS ROAD TYPE X-RD-03, 04	BD-RW-TY-170
31	TYPICAL CROSS SECTION OF CROSS ROAD TYPE X-RD-05, 06	BD-RW-TY-180
32	TYPICAL CROSS SECTION OF CROSS ROAD TYPE X-RD-07, 08, 09	BD-RW-TY-190
33	TYPICAL CROSS SECTION OF CROSS ROAD TYPE X-BR-01, 02	BD-RW-TY-200
34	TYPICAL CROSS SECTION OF CROSS ROAD TYPE X-BR-03, 04	BD-RW-TY-210
35	TYPICAL CROSS SECTION OF CROSS ROAD TYPE X-BR-05, 06	BD-RW-TY-220
36	TYPICAL CROSS SECTION OF CROSS ROAD TYPE X-BR-07, 08, 09	BD-RW-TY-230
37	TYPICAL CROSS SECTION OF CROSS ROAD TYPE X-BOX-01, 02	BD-RW-TY-240
38	TYPICAL CROSS SECTION OF CROSS ROAD TYPE X-BOX-03, 04	BD-RW-TY-250
39	TYPICAL CROSS SECTION OF CROSS ROAD TYPE X-BOX-05, 06	BD-RW-TY-260
D	PLAN AND PROFILE	
D1	PLAN AND PROFILE OF THRUWAY	
D1-1	PACKAGE 1 (KM0+000- KM8+000)	
40	PLAN & PROFILE: KM0+000 - KM8+000	PKG1-BD-PP-010
41	PLAN & PROFILE: KM0+000 - KM8+000	PKG1-BD-PP-020
42	PLAN & PROFILE: KM0+000 - KM8+000	PKG1-BD-PP-030
43	PLAN & PROFILE: KM0+000 - KM8+000	PKG1-BD-PP-040
44	PLAN & PROFILE: KM0+000 - KM8+000	PKG1-BD-PP-050
D1-2	PACKAGE 2 (KM8+000 - KM16+880)	
45	PLAN & PROFILE: KM8+000 - KM16+880	PKG2-BD-PP-010
46	PLAN & PROFILE: KM9+000 - KM10+500	PKG2-BD-PP-020
47	PLAN & PROFILE: KM10+500 - KM12+000	PKG2-BD-PP-030
48	PLAN & PROFILE: KM12+000 - KM13+500	PKG2-BD-PP-040
49	PLAN & PROFILE: KM13+500 - KM15+000	PKG2-BD-PP-050
50	PLAN & PROFILE: KM15+000 - KM16+500	PKG2-BD-PP-060
D1-3	PACKAGE 3A (KM16+880 - KM18+100)	
51	PLAN & PROFILE: KM16+880 - KM18+100	PKG3A-BD-PP-010
D1-4	PACKAGE 3B (KM18+100 - KM21+500)	
52	PLAN & PROFILE: KM18+100 - KM21+500	PKG3B-BD-PP-010
53	PLAN & PROFILE: KM18+100 - KM21+500	PKG3B-BD-PP-020
D1-5	PACKAGE 4 (KM21+500 - KM32+600)	
54	PLAN & PROFILE: KM21+500 - KM32+600	PKG4-BD-PP-010
55	PLAN & PROFILE: KM21+500 - KM32+600	PKG4-BD-PP-020
56	PLAN & PROFILE: KM21+500 - KM32+600	PKG4-BD-PP-030
57	PLAN & PROFILE: KM21+500 - KM32+600	PKG4-BD-PP-040
58	PLAN & PROFILE: KM21+500 - KM32+600	PKG4-BD-PP-050
59	PLAN & PROFILE: KM21+500 - KM32+600	PKG4-BD-PP-060
60	PLAN & PROFILE: KM21+500 - KM32+600	PKG4-BD-PP-070
61	PLAN & PROFILE: KM21+500 - KM32+600	PKG4-BD-PP-080
D1-6	PACKAGE 5 (KM32+600 - KM42+000)	
62	PLAN & PROFILE: KM32+600- KM42+000	PKG5-BD-PP-010
63	PLAN & PROFILE: KM32+600- KM42+000	PKG5-BD-PP-020
64	PLAN & PROFILE: KM32+600- KM42+000	PKG5-BD-PP-030
65	PLAN & PROFILE: KM32+600- KM42+000	PKG5-BD-PP-040
66	PLAN & PROFILE: KM32+600- KM42+000	PKG5-BD-PP-050
67	PLAN & PROFILE: KM32+600- KM42+000	PKG5-BD-PP-060

NO / STT	TITLE / TÊN BẢN VẼ	DWG No. / KÝ HIỆU BẢN VẼ
D1-7	PACKAGE 6 (KM42+000 - KM52+000)	
68	PLAN & PROFILE: KM42+000- KM52+000	PKG6-BD-PP-010
69	PLAN & PROFILE: KM42+000- KM52+000	PKG6-BD-PP-020
70	PLAN & PROFILE: KM42+000- KM52+000	PKG6-BD-PP-030
71	PLAN & PROFILE: KM42+000- KM52+000	PKG6-BD-PP-040
72	PLAN & PROFILE: KM42+000- KM52+000	PKG6-BD-PP-050
73	PLAN & PROFILE: KM42+000- KM52+000	PKG6-BD-PP-060
D1-8	PACKAGE 7 (KM52+000 - KM65+000)	
74	PLAN & PROFILE: KM52+000- KM65+000	PKG7-BD-PP-010
75	PLAN & PROFILE: KM52+000- KM65+000	PKG7-BD-PP-020
76	PLAN & PROFILE: KM52+000- KM65+000	PKG7-BD-PP-030
77	PLAN & PROFILE: KM52+000- KM65+000	PKG7-BD-PP-040
78	PLAN & PROFILE: KM52+000- KM65+000	PKG7-BD-PP-050
79	PLAN & PROFILE: KM52+000- KM65+000	PKG7-BD-PP-060
80	PLAN & PROFILE: KM52+000- KM65+000	PKG7-BD-PP-070
81	PLAN & PROFILE: KM52+000- KM65+000	PKG7-BD-PP-080
82	PLAN & PROFILE: KM52+000- KM65+000	PKG7-BD-PP-090
D1-9	PACKAGE A1 (KM65+000 - KM81+150)	
83	PLAN & PROFILE: KM 65+000.00 - KM 81+150.00	PKGA1-BD-PP-010
84	PLAN & PROFILE: KM 65+000.00 - KM 81+150.00	PKGA1-BD-PP-020
85	PLAN & PROFILE: KM 65+000.00 - KM 81+150.00	PKGA1-BD-PP-030
86	PLAN & PROFILE: KM 65+000.00 - KM 81+150.00	PKGA1-BD-PP-040
87	PLAN & PROFILE: KM 65+000.00 - KM 81+150.00	PKGA1-BD-PP-050
88	PLAN & PROFILE: KM 65+000.00 - KM 81+150.00	PKGA1-BD-PP-060
89	PLAN & PROFILE: KM 65+000.00 - KM 81+150.00	PKGA1-BD-PP-070
90	PLAN & PROFILE: KM 65+000.00 - KM 81+150.00	PKGA1-BD-PP-080
91	PLAN & PROFILE: KM 65+000.00 - KM 81+150.00	PKGA1-BD-PP-090
92	PLAN & PROFILE: KM 65+000.00 - KM 81+150.00	PKGA1-BD-PP-100
D1-10	PACKAGE A2 (KM81+150 - KM99+500)	
93	PLAN & PROFILE: KM 81+150.00 - KM 99+500.00	PKGA2-BD-PP-010
94	PLAN & PROFILE: KM 81+150.00 - KM 99+500.00	PKGA2-BD-PP-020
95	PLAN & PROFILE: KM 81+150.00 - KM 99+500.00	PKGA2-BD-PP-030
96	PLAN & PROFILE: KM 81+150.00 - KM 99+500.00	PKGA2-BD-PP-040
97	PLAN & PROFILE: KM 81+150.00 - KM 99+500.00	PKGA2-BD-PP-050
98	PLAN & PROFILE: KM 81+150.00 - KM 99+500.00	PKGA2-BD-PP-060
99	PLAN & PROFILE: KM 81+150.00 - KM 99+500.00	PKGA2-BD-PP-070
100	PLAN & PROFILE: KM 81+150.00 - KM 99+500.00	PKGA2-BD-PP-080
101	PLAN & PROFILE: KM 81+150.00 - KM 99+500.00	PKGA2-BD-PP-090
102	PLAN & PROFILE: KM 81+150.00 - KM 99+500.00	PKGA2-BD-PP-100
103	PLAN & PROFILE: KM 81+150.00 - KM 99+500.00	PKGA2-BD-PP-110

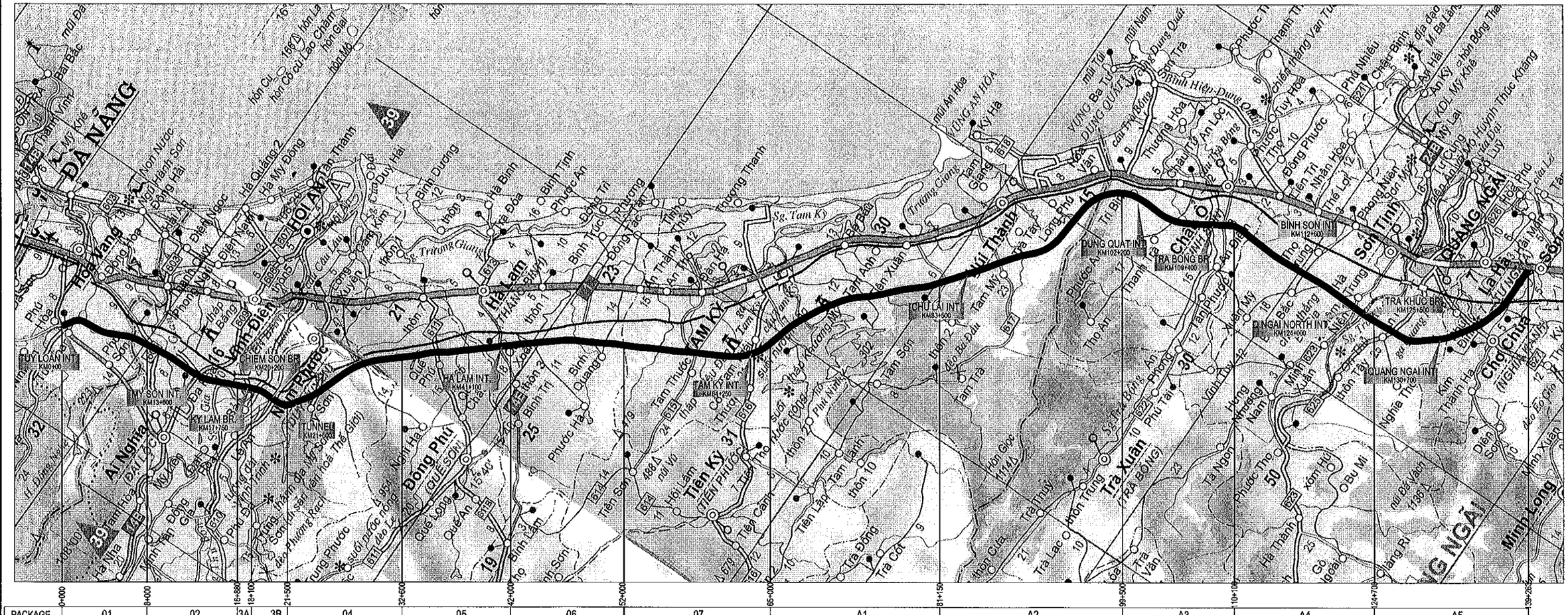
NO / STT	TITLE / TÊN BẢN VẼ	DWG No. / KÝ HIỆU BẢN VẼ
D1-11	PACKAGE A3 (KM99+500 - KM110+100)	
104	PLAN & PROFILE: KM 99+500.00 - KM 110+100.00	PKGA3-BD-PP-010
105	PLAN & PROFILE: KM 99+500.00 - KM 110+100.00	PKGA3-BD-PP-020
106	PLAN & PROFILE: KM 99+500.00 - KM 110+100.00	PKGA3-BD-PP-030
107	PLAN & PROFILE: KM 99+500.00 - KM 110+100.00	PKGA3-BD-PP-040
108	PLAN & PROFILE: KM 99+500.00 - KM 110+100.00	PKGA3-BD-PP-050
109	PLAN & PROFILE: KM 99+500.00 - KM 110+100.00	PKGA3-BD-PP-060
110	PLAN & PROFILE: KM 99+500.00 - KM 110+100.00	PKGA3-BD-PP-070
D1-12	PACKAGE A4 (KM110+100 - KM124+700)	
111	PLAN & PROFILE: KM 110+100.00 - KM 124+700.00	PKGA4-BD-PP-010
112	PLAN & PROFILE: KM 110+100.00 - KM 124+700.00	PKGA4-BD-PP-020
113	PLAN & PROFILE: KM 110+100.00 - KM 124+700.00	PKGA4-BD-PP-030
114	PLAN & PROFILE: KM 110+100.00 - KM 124+700.00	PKGA4-BD-PP-040
115	PLAN & PROFILE: KM 110+100.00 - KM 124+700.00	PKGA4-BD-PP-050
116	PLAN & PROFILE: KM 110+100.00 - KM 124+700.00	PKGA4-BD-PP-060
117	PLAN & PROFILE: KM 110+100.00 - KM 124+700.00	PKGA4-BD-PP-070
118	PLAN & PROFILE: KM 110+100.00 - KM 124+700.00	PKGA4-BD-PP-080
119	PLAN & PROFILE: KM 110+100.00 - KM 124+700.00	PKGA4-BD-PP-090
D1-13	PACKAGE A5 (KM124+700 - KM139+204.5)	
120	PLAN & PROFILE: KM 124+700.00 - KM 139+204.50	PKGA5-BD-PP-010
121	PLAN & PROFILE: KM 124+700.00 - KM 139+204.50	PKGA5-BD-PP-020
122	PLAN & PROFILE: KM 124+700.00 - KM 139+204.50	PKGA5-BD-PP-030
123	PLAN & PROFILE: KM 124+700.00 - KM 139+204.50	PKGA5-BD-PP-040
124	PLAN & PROFILE: KM 124+700.00 - KM 139+204.50	PKGA5-BD-PP-050
125	PLAN & PROFILE: KM 124+700.00 - KM 139+204.50	PKGA5-BD-PP-060
126	PLAN & PROFILE: KM 124+700.00 - KM 139+204.50	PKGA5-BD-PP-070
127	PLAN & PROFILE: KM 124+700.00 - KM 139+204.50	PKGA5-BD-PP-080
128	PLAN & PROFILE: KM 124+700.00 - KM 139+204.50	PKGA5-BD-PP-090
D2	PLAN AND PROFILE OF TUNNEL SECTION	
129	PLAN & PROFILE KM 18+100.00 - KM 21+500.00	PKG3B-BD-PP-030
130	PLAN & PROFILE KM 21+500.00 - KM 32+600.00	PKG4-BD-PP-090
131	PLAN & PROFILE KM 21+500.00 - KM 32+600.00	PKG4-BD-PP-100
132	PLAN & PROFILE KM 21+500.00 - KM 32+600.00	PKG4-BD-PP-110
133	PLAN & PROFILE KM 18+100.00 - KM 21+500.00	PKG3B-BD-PP-040
134	PLAN & PROFILE KM 21+500.00 - KM 32+600.00	PKG4-BD-PP-120
135	PLAN & PROFILE KM 21+500.00 - KM 32+600.00	PKG4-BD-PP-130
136	PLAN & PROFILE KM 21+500.00 - KM 32+600.00	PKG4-BD-PP-140

NO / STT	TITLE / TÊN BẢN VẼ	DWG No. / KÝ HIỆU BẢN VẼ
E	INTERCHANGES	
E1	TUÝ LOAN INTERCHANGE	
E1-1	TUÝ LOAN INTERCHANGE IN 1ST STAGE	
137	PLAN OF TUY LOAN INTERCHANGE-PHASE 1	PKG1-IC-PP-010
138	PLAN OF TUY LOAN INTERCHANGE (1/4)-PHASE 1	PKG1-IC-PP-020
139	PLAN OF TUY LOAN INTERCHANGE (2/4)-PHASE 1	PKG1-IC-PP-030
140	PLAN OF TUY LOAN INTERCHANGE (3/4)-PHASE 1	PKG1-IC-PP-040
141	PLAN OF TUY LOAN INTERCHANGE (4/4)-PHASE 1	PKG1-IC-PP-050
142	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH (1/3)-PHASE 1	PKG1-IC-PP-060
143	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH (2/3)-PHASE 1	PKG1-IC-PP-070
144	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH (3/3)-PHASE 1	PKG1-IC-PP-080
145	PROFILE OF NH14B-TRẮC DỌC QL14B (1/3)-PHASE 1	PKG1-IC-PP-090
146	PROFILE OF NH14B-TRẮC DỌC QL14B (2/3)-PHASE 1	PKG1-IC-PP-100
147	PROFILE OF NH14B-TRẮC DỌC QL14B (3/3)-PHASE 1	PKG1-IC-PP-110
148	PROFILE OF ROUNDABOUT-TRẮC DỌC ĐẢO XUYẾN-PHASE 1	PKG1-IC-PP-120
149	PROFILE OF RAMP A1-TRẮC DỌC NHÁNH A1 (1/2)-PHASE 1	PKG1-IC-PP-130
150	PROFILE OF RAMP A1-TRẮC DỌC NHÁNH A1 (2/2)-PHASE 1	PKG1-IC-PP-140
151	PROFILE OF RAMP B1-TRẮC DỌC NHÁNH B1 (1/2)-PHASE 1	PKG1-IC-PP-150
152	PROFILE OF RAMP B1-TRẮC DỌC NHÁNH B1 (2/2)-PHASE 1	PKG1-IC-PP-160
153	PROFILE OF RAMP C2-TRẮC DỌC NHÁNH C2 (1/2)-PHASE 1	PKG1-IC-PP-170
154	PROFILE OF RAMP C2-TRẮC DỌC NHÁNH C2 (2/2)-PHASE 1	PKG1-IC-PP-180
155	PROFILE OF RAMP D2-TRẮC DỌC NHÁNH D2 (1/2)-PHASE 1	PKG1-IC-PP-190
156	PROFILE OF RAMP D2-TRẮC DỌC NHÁNH D2 (2/2)-PHASE 1	PKG1-IC-PP-200
E1-2	TUÝ LOAN INTERCHANGE IN 2ND STAGE	
157	PLAN OF TUY LOAN INTERCHANGE-PHASE 2	PKG1-IC-PP-210
158	PLAN OF TUY LOAN INTERCHANGE (1/4)-PHASE 2	PKG1-IC-PP-220
159	PLAN OF TUY LOAN INTERCHANGE (2/4)-PHASE 2	PKG1-IC-PP-230
160	PLAN OF TUY LOAN INTERCHANGE (3/4)-PHASE 2	PKG1-IC-PP-240
161	PLAN OF TUY LOAN INTERCHANGE (4/4)-PHASE 2	PKG1-IC-PP-250
162	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH (1/3)-PHASE 2	PKG1-IC-PP-260
163	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH (2/3)-PHASE 2	PKG1-IC-PP-270
164	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH (3/3)-PHASE 2	PKG1-IC-PP-280
165	PROFILE OF NH14B-TRẮC DỌC QL14B (1/3)-PHASE 2	PKG1-IC-PP-290
166	PROFILE OF NH14B-TRẮC DỌC QL14B (2/3)-PHASE 2	PKG1-IC-PP-300
167	PROFILE OF NH14B-TRẮC DỌC QL14B (3/3)-PHASE 2	PKG1-IC-PP-310
168	PROFILE OF RAMP A1-TRẮC DỌC NHÁNH A1-PHASE 2	PKG1-IC-PP-320
169	PROFILE OF RAMP B1-TRẮC DỌC NHÁNH B1-PHASE 2	PKG1-IC-PP-330
170	PROFILE OF RAMP C2-TRẮC DỌC NHÁNH C2-PHASE 2	PKG1-IC-PP-340
171	PROFILE OF RAMP D2-TRẮC DỌC NHÁNH D2-PHASE 2	PKG1-IC-PP-350
172	PROFILE OF RAMP A2-TRẮC DỌC NHÁNH A2-PHASE 2	PKG1-IC-PP-360
173	PROFILE OF RAMP B2-TRẮC DỌC NHÁNH B2-PHASE 2	PKG1-IC-PP-370
174	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1-PHASE 2	PKG1-IC-PP-380
175	PROFILE OF RAMP D1-TRẮC DỌC NHÁNH D1-PHASE 2	PKG1-IC-PP-390

NO / STT	TITLE / TÊN BẢN VẼ	DWG No. / KÝ HIỆU BẢN VẼ
E2	MỸ SƠN INTERCHANGE	
176	PLAN OF MY SON INTERCHANGE	PKG2-IC-PP-010
177	PLAN OF MY SON INTERCHANGE (1/5)	PKG2-IC-PP-020
178	PLAN OF MY SON INTERCHANGE (2/5)	PKG2-IC-PP-030
179	PLAN OF MY SON INTERCHANGE (3/5)	PKG2-IC-PP-040
180	PLAN OF MY SON INTERCHANGE (4/5)	PKG2-IC-PP-050
181	PLAN OF MY SON INTERCHANGE (5/5)	PKG2-IC-PP-060
182	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(1/2)	PKG2-IC-PP-070
183	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(2/2)	PKG2-IC-PP-080
184	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1	PKG2-IC-PP-090
185	PROFILE OF RAMP A&B-TRẮC DỌC NHÁNH A&B	PKG2-IC-PP-100
186	PROFILE OF RAMP C&D-TRẮC DỌC NHÁNH C&D	PKG2-IC-PP-110
187	PROFILE OF PR 609-TRẮC DỌC ĐƯỜNG TỈNH 609	PKG2-IC-PP-120
E3	HÀ LAM INTERCHANGE	
188	PLAN OF HA LAM INTERCHANGE	PKG5-IC-PP-010
189	PLAN OF HA LAM INTERCHANGE (1/5)	PKG5-IC-PP-020
190	PLAN OF HA LAM INTERCHANGE (2/5)	PKG5-IC-PP-030
191	PLAN OF HA LAM INTERCHANGE (3/5)	PKG5-IC-PP-040
192	PLAN OF HA LAM INTERCHANGE (4/5)	PKG5-IC-PP-050
193	PLAN OF HA LAM INTERCHANGE (5/5)	PKG5-IC-PP-060
194	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(1/2)	PKG5-IC-PP-070
195	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(2/2)	PKG5-IC-PP-080
196	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1 (1/2)	PKG5-IC-PP-090
197	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1 (2/2)	PKG5-IC-PP-100
198	PROFILE OF RAMP A&C-TRẮC DỌC NHÁNH A&D	PKG5-IC-PP-110
199	PROFILE OF RAMP B&D-TRẮC DỌC NHÁNH B&C	PKG5-IC-PP-120
200	PROFILE OF NH14E-TRẮC DỌC QL 14E	PKG5-IC-PP-130
E4	TAM KỲ INTERCHANGE	
201	PLAN OF TAM KY INTERCHANGE	PKG7-IC-PP-010
202	PLAN OF TAM KY INTERCHANGE (1/5)	PKG7-IC-PP-020
203	PLAN OF TAM KY INTERCHANGE (2/5)	PKG7-IC-PP-030
204	PLAN OF TAM KY INTERCHANGE (3/5)	PKG7-IC-PP-040
205	PLAN OF TAM KY INTERCHANGE (4/5)	PKG7-IC-PP-050
206	PLAN OF TAM KY INTERCHANGE (5/5)	PKG7-IC-PP-060
207	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(1/2)	PKG7-IC-PP-070
208	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(2/2)	PKG7-IC-PP-080
209	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1	PKG7-IC-PP-090
210	PROFILE OF RAMP A&D-TRẮC DỌC NHÁNH A&D	PKG7-IC-PP-100
211	PROFILE OF RAMP B&C-TRẮC DỌC NHÁNH B&C	PKG7-IC-PP-110
212	PROFILE OF PR 616-TRẮC DỌC DT 616	PKG7-IC-PP-120

NO / STT	TITLE / TÊN BẢN VẼ	DWG No. / KÝ HIỆU BẢN VẼ
E5	CHU LAI INTERCHANGE	
213	PLAN OF CHU LAI INTERCHANGE	PKGA2-IC-PP-010
214	PLAN OF CHU LAI INTERCHANGE (1/5)	PKGA2-IC-PP-020
215	PLAN OF CHU LAI INTERCHANGE (2/5)	PKGA2-IC-PP-030
216	PLAN OF CHU LAI INTERCHANGE (3/5)	PKGA2-IC-PP-040
217	PLAN OF CHU LAI INTERCHANGE (4/5)	PKGA2-IC-PP-050
218	PLAN OF CHU LAI INTERCHANGE (5/5)	PKGA2-IC-PP-060
219	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(1/2)	PKGA2-IC-PP-070
220	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(2/2)	PKGA2-IC-PP-080
221	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1 (1/2)	PKGA2-IC-PP-090
222	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1 (2/2)	PKGA2-IC-PP-100
223	PROFILE OF RAMP A&D-TRẮC DỌC NHÁNH A&D	PKGA2-IC-PP-110
224	PROFILE OF RAMP B&C-TRẮC DỌC NHÁNH B&C	PKGA2-IC-PP-120
E6	DUNG QUẤT INTERCHANGE	
225	PLAN OF DUNG QUAT INTERCHANGE	PKGA3-IC-PP-010
226	PLAN OF DUNG QUAT INTERCHANGE (1/5)	PKGA3-IC-PP-020
227	PLAN OF DUNG QUAT INTERCHANGE (2/5)	PKGA3-IC-PP-030
228	PLAN OF DUNG QUAT INTERCHANGE (3/5)	PKGA3-IC-PP-040
229	PLAN OF DUNG QUAT INTERCHANGE (4/5)	PKGA3-IC-PP-050
230	PLAN OF DUNG QUAT INTERCHANGE (5/5)	PKGA3-IC-PP-060
231	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(1/2)	PKGA3-IC-PP-070
232	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(2/2)	PKGA3-IC-PP-080
233	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1 (1/3)	PKGA3-IC-PP-090
234	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1 (2/3)	PKGA3-IC-PP-100
235	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1 (3/3)	PKGA3-IC-PP-110
236	PROFILE OF RAMP A&D-TRẮC DỌC NHÁNH A&D	PKGA3-IC-PP-120
237	PROFILE OF RAMP B&C-TRẮC DỌC NHÁNH B&C	PKGA3-IC-PP-130
E7	BÌNH SƠN INTERCHANGE	
E7-1	BÌNH SƠN INTERSECTION - 1ST STAGE	
238	PLAN OF BINH SON INTERSECTION-PHASE 1	PKGA4-IC1-PP-010
239	PROFILE OF EXPRESSWAY AT BINH SON IS-PHASE 1 (1/4)	PKGA4-IC1-PP-020
240	PROFILE OF EXPRESSWAY AT BINH SON IS-PHASE 1 (2/4)	PKGA4-IC1-PP-030
241	PROFILE OF EXPRESSWAY AT BINH SON IS-PHASE 1 (3/4)	PKGA4-IC1-PP-040
242	PROFILE OF EXPRESSWAY AT BINH SON IS-PHASE 1 (4/4)	PKGA4-IC1-PP-050
243	PROFILE OF PR622-TRẮC DỌC ĐƯỜNG TỈNH 622 (1/4)	PKGA4-IC1-PP-060
244	PROFILE OF PR622-TRẮC DỌC ĐƯỜNG TỈNH 622 (2/4)	PKGA4-IC1-PP-070
245	PROFILE OF PR622-TRẮC DỌC ĐƯỜNG TỈNH 622 (3/4)	PKGA4-IC1-PP-080
246	PROFILE OF PR622-TRẮC DỌC ĐƯỜNG TỈNH 622 (4/4)	PKGA4-IC1-PP-090
E7-2	BÌNH SƠN INTERCHANGE - 2ND STAGE	
247	PLAN OF BINH SON INTERSECTION-PHASE 2	PKGA4-IC1-PP-010
248	PLAN OF BINH SON INTERCHANGE (1/6)	PKGA4-IC1-PP-020
249	PLAN OF BINH SON INTERCHANGE (2/6)	PKGA4-IC1-PP-030
250	PLAN OF BINH SON INTERCHANGE (3/6)	PKGA4-IC1-PP-040
251	PLAN OF BINH SON INTERCHANGE (4/6)	PKGA4-IC1-PP-050
252	PLAN OF BINH SON INTERCHANGE (5/6)	PKGA4-IC1-PP-060
253	PLAN OF BINH SON INTERCHANGE (6/6)	PKGA4-IC1-PP-070
254	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(1/4)	PKGA4-IC1-PP-080
255	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(2/4)	PKGA4-IC1-PP-090
256	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(3/4)	PKGA4-IC1-PP-100
257	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(4/4)	PKGA4-IC1-PP-110
258	PROFILE OF PR622-TRẮC DỌC ĐƯỜNG TỈNH 622 (1/4)	PKGA4-IC1-PP-120
259	PROFILE OF PR622-TRẮC DỌC ĐƯỜNG TỈNH 622 (2/4)	PKGA4-IC1-PP-130
260	PROFILE OF PR622-TRẮC DỌC ĐƯỜNG TỈNH 622 (3/4)	PKGA4-IC1-PP-140
261	PROFILE OF PR622-TRẮC DỌC ĐƯỜNG TỈNH 622 (4/4)	PKGA4-IC1-PP-150
262	PROFILE OF RAMP A-TRẮC DỌC NHÁNH A	PKGA4-IC1-PP-160
263	PROFILE OF RAMP A1-TRẮC DỌC NHÁNH A1 (1/4)	PKGA4-IC1-PP-170
264	PROFILE OF RAMP A1-TRẮC DỌC NHÁNH A1 (2/4)	PKGA4-IC1-PP-180
265	PROFILE OF RAMP A1-TRẮC DỌC NHÁNH A1 (3/4)	PKGA4-IC1-PP-190
266	PROFILE OF RAMP A1-TRẮC DỌC NHÁNH A1 (4/4)	PKGA4-IC1-PP-200
267	PROFILE OF RAMP B-TRẮC DỌC NHÁNH B	PKGA4-IC1-PP-210
268	PROFILE OF RAMP C-TRẮC DỌC NHÁNH C	PKGA4-IC1-PP-220
269	PROFILE OF RAMP D-TRẮC DỌC NHÁNH D	PKGA4-IC1-PP-230
E8	DUNG QUAT 2 INTERCHANGE	
270	GENERAL PLAN OF DUNG QUAT 2 INTERCHANGE	PKGA4-IC1A-PP-010
270	PLAN OF DUNG QUAT 2 INTERCHANGE (1/5)	PKGA4-IC1A-PP-020
271	PLAN OF DUNG QUAT 2 INTERCHANGE (2/5)	PKGA4-IC1A-PP-030
272	PLAN OF DUNG QUAT 2 INTERCHANGE (3/5)	PKGA4-IC1A-PP-040
273	PLAN OF DUNG QUAT 2 INTERCHANGE (4/5)	PKGA4-IC1A-PP-050
274	PLAN OF DUNG QUAT 2 INTERCHANGE (5/5)	PKGA4-IC1A-PP-060
275	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(1/2)	PKGA4-IC1A-PP-070
276	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(2/2)	PKGA4-IC1A-PP-080
277	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1 (1/2)	PKGA4-IC1A-PP-009
278	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1 (2/2)	PKGA4-IC1A-PP-010
279	PROFILE OF RAMP A&C-TRẮC DỌC NHÁNH A&C	PKGA4-IC1A-PP-011
280	PROFILE OF RAMP B&D-TRẮC DỌC NHÁNH B&D	PKGA4-IC1A-PP-012
E9	QUẢNG NGÃI NORTH INTERCHANGE	
281	LAYOUT PLAN OF QUANG NGAI NORTH INTERCHANGE	PKGA4-IC2-PP-010
282	PLAN OF QUANG NGAI NORTH INTERCHANGE (1/5)	PKGA4-IC2-PP-020
283	PLAN OF QUANG NGAI NORTH INTERCHANGE (2/5)	PKGA4-IC2-PP-030
284	PLAN OF QUANG NGAI NORTH INTERCHANGE (3/5)	PKGA4-IC2-PP-040
285	PLAN OF QUANG NGAI NORTH INTERCHANGE (4/5)	PKGA4-IC2-PP-050
286	PLAN OF QUANG NGAI NORTH INTERCHANGE (5/5)	PKGA4-IC2-PP-060
287	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(1/4)	PKGA4-IC2-PP-070
288	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(2/4)	PKGA4-IC2-PP-080
289	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(3/4)	PKGA4-IC2-PP-090
290	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(4/4)	PKGA4-IC2-PP-100
291	PROFILE OF PR623B-TRẮC DỌC ĐƯỜNG TỈNH 623B (1/2)	PKGA4-IC2-PP-110
292	PROFILE OF PR623B-TRẮC DỌC ĐƯỜNG TỈNH 623B (2/2)	PKGA4-IC2-PP-120
293	PROFILE OF RAMP A-TRẮC DỌC NHÁNH A	PKGA4-IC2-PP-130
294	PROFILE OF RAMP B-TRẮC DỌC NHÁNH B	PKGA4-IC2-PP-140
295	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1 (1/3)	PKGA4-IC2-PP-150
296	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1 (2/3)	PKGA4-IC2-PP-160
297	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1 (3/3)	PKGA4-IC2-PP-170
298	PROFILE OF RAMP C-TRẮC DỌC NHÁNH C	PKGA4-IC2-PP-180
299	PROFILE OF RAMP D-TRẮC DỌC NHÁNH D	PKGA4-IC2-PP-190
300	PROFILE OF RAMP B+E159:G168-TRẮC DỌC NHÁNH B	PKGA4-IC2-PP-200
E10	QUẢNG NGÃI INTERSECTION	
E10-1	QUẢNG NGÃI INTERSECTION - 1ST STAGE	
301	LAYOUT PLAN OF QUANG NGAI INTERCHANGE-PHASE 1	PKGA5-IC-PP-000
E10-2	QUẢNG NGÃI INTERSECTION - 2ND STAGE	
302	LAYOUT PLAN OF QUANG NGAI INTERCHANGE-PHASE 2	PKGA5-IC-PP-010
303	PLAN OF QUANG NGAI INTERCHANGE (1/4)-PHASE 2	PKGA5-IC-PP-020
304	PLAN OF QUANG NGAI INTERCHANGE (2/4)-PHASE 2	PKGA5-IC-PP-030
305	PLAN OF QUANG NGAI INTERCHANGE (3/4)-PHASE 2	PKGA5-IC-PP-040
306	PLAN OF QUANG NGAI INTERCHANGE (4/4)-PHASE 2	PKGA5-IC-PP-050
307	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH (1/2)	PKGA5-IC-PP-060
308	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH (2/2)	PKGA5-IC-PP-070
309	PROFILE OF RAMP A-TRẮC DỌC NHÁNH A	PKGA5-IC-PP-080
310	PROFILE OF RAMP B-TRẮC DỌC NHÁNH B	PKGA5-IC-PP-090
311	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1	PKGA5-IC-PP-100
312	PROFILE OF RAMP C&D-TRẮC DỌC NHÁNH C&D	PKGA5-IC-PP-110

LOCATION MAP OF DA NANG - QUANG NGAI EXPRESSWAY
BẢN ĐỒ TỔNG THỂ ĐƯỜNG CAO TỐC ĐÀ NẴNG - QUẢNG NGÃI



PACKAGE	01	02	3A	3B	04	05	06	07	A1	A2	A3	A4	A5
LENGTH (m)	8000	8880	1220	3400	11100	9400	10000	13000	16150	18350	10600	14600	14563

MINISTRY OF TRANSPORT VIETNAM	ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design				
CLIENT	PROJECT MANAGEMENT CONSULTANT			PREPARED BY	CHECKED BY	APPROVED BY	LOCATION MAP OF DA NANG - QUANG NGAI EXPRESSWAY BẢN ĐỒ TỔNG THỂ ĐƯỜNG CAO TỐC ĐÀ NẴNG - QUẢNG NGÃI
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	NAME	HOANG DUC CHAU	TAKAYASU NAGAI	I. ISHIMOTO	SCALE: NONE SCALE; DRAWING NO.: BD-GE-020; REV. NO.: 02
			SIGNATURE				
			DATE				

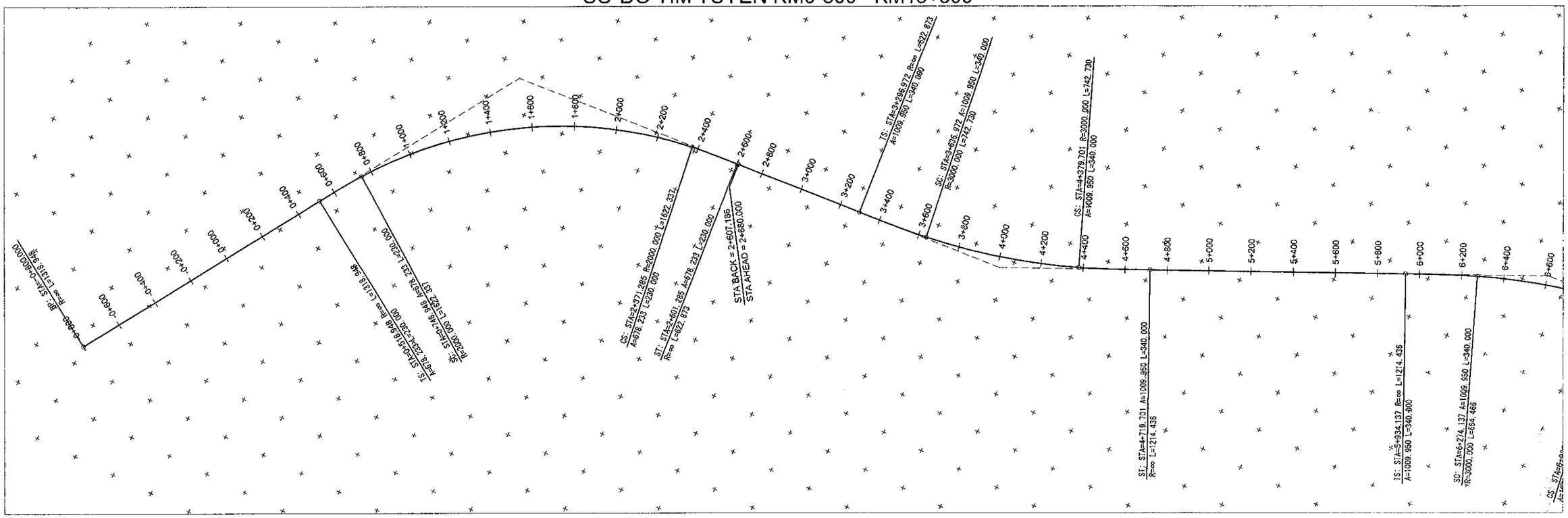
B. ALIGNMENT LAYOUT
B. SƠ ĐỒ TIM TUYẾN

000111

TO DA NANG

ALIGNMENT LAYOUT KM0-800 - KM13+800
SƠ ĐỒ TIM TUYẾN KM0-800 - KM13+800

TO QUANG NGAI



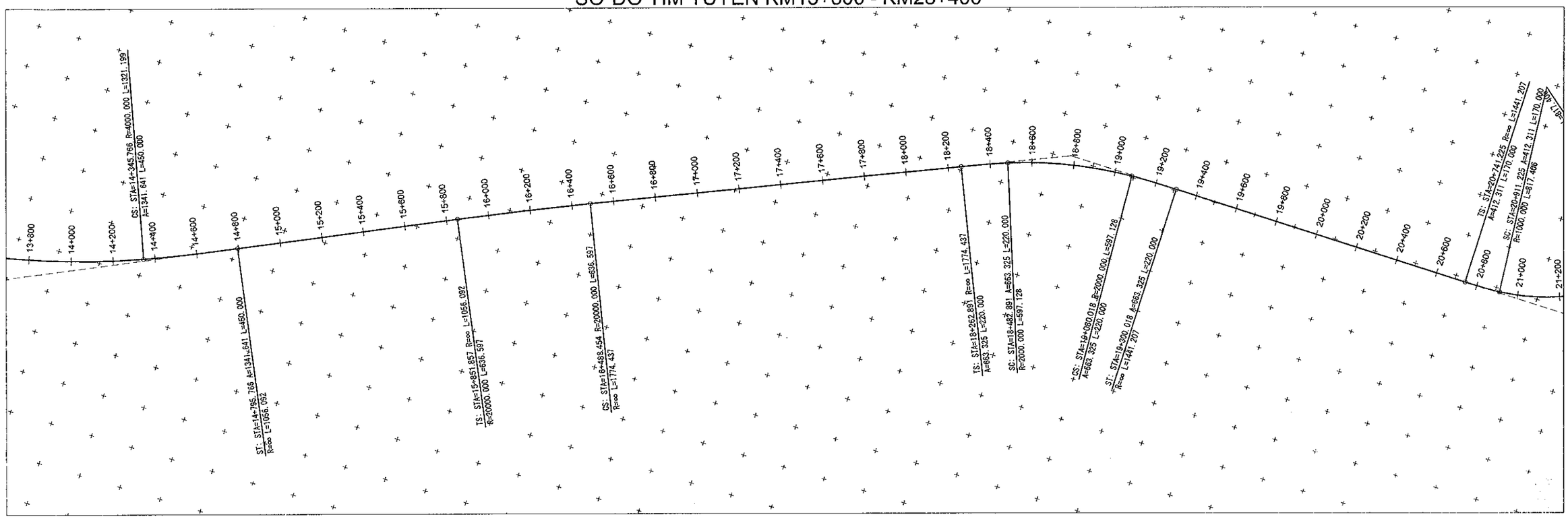
MINISTRY OF TRANSPORT VIETNAM	ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design
CLIENT: VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT CONSULTANT: PROJECT MANAGEMENT UNIT NO.85	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	

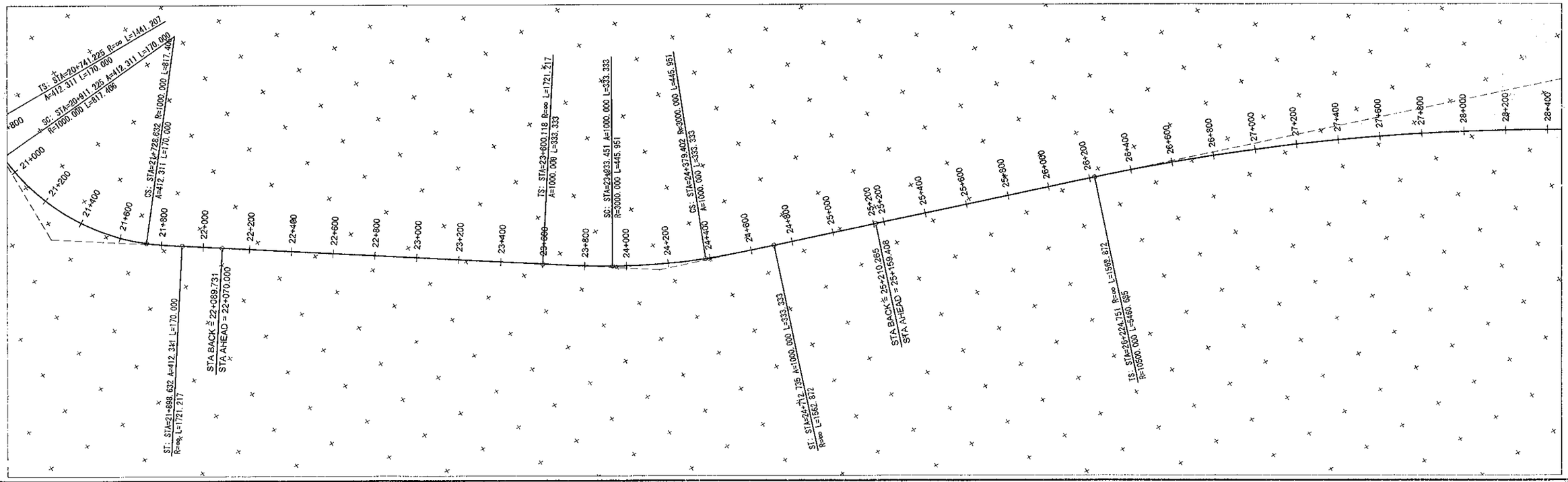
	PREPARED BY	CHECKED BY	APPROVED BY	ALIGNMENT LAYOUT KM0-800 - KM13+800 SƠ ĐỒ TIM TUYẾN KM0-800 - KM13+800		
NAME	HOANG DUC CHAU	TAKAYASU NAGAI	I. ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/20.000	BD-RW-AL-010	03

TO DA NANG

ALIGNMENT LAYOUT KM13+800 - KM28+400
SƠ ĐỒ TIM TUYẾN KM13+800 - KM28+400

TO QUANG NGAI





MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Basic Design

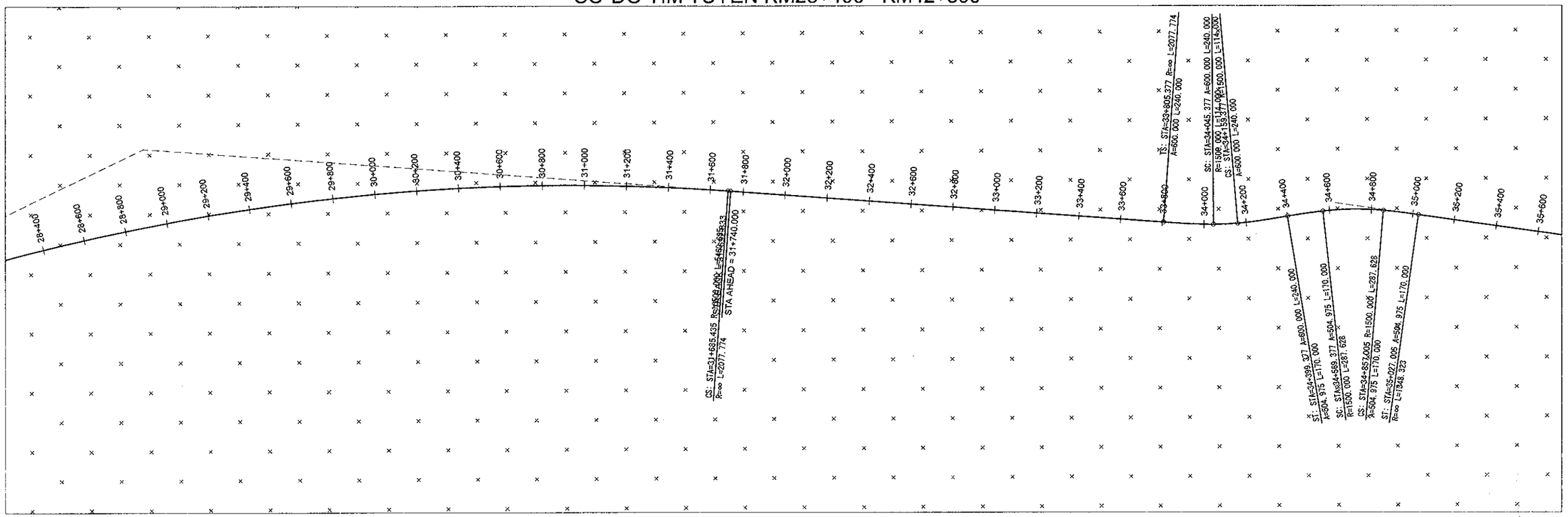
	PREPARED BY	CHECKED BY	APPROVED BY	ALIGNMENT LAYOUT KM13+800 - KM28+400 SƠ ĐỒ TIM TUYẾN KM13+800 - KM28+400		
NAME	HOANG DUC CHAU	TAKAYASU NAGAI	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/20.000	BD-RW-AL-020	03

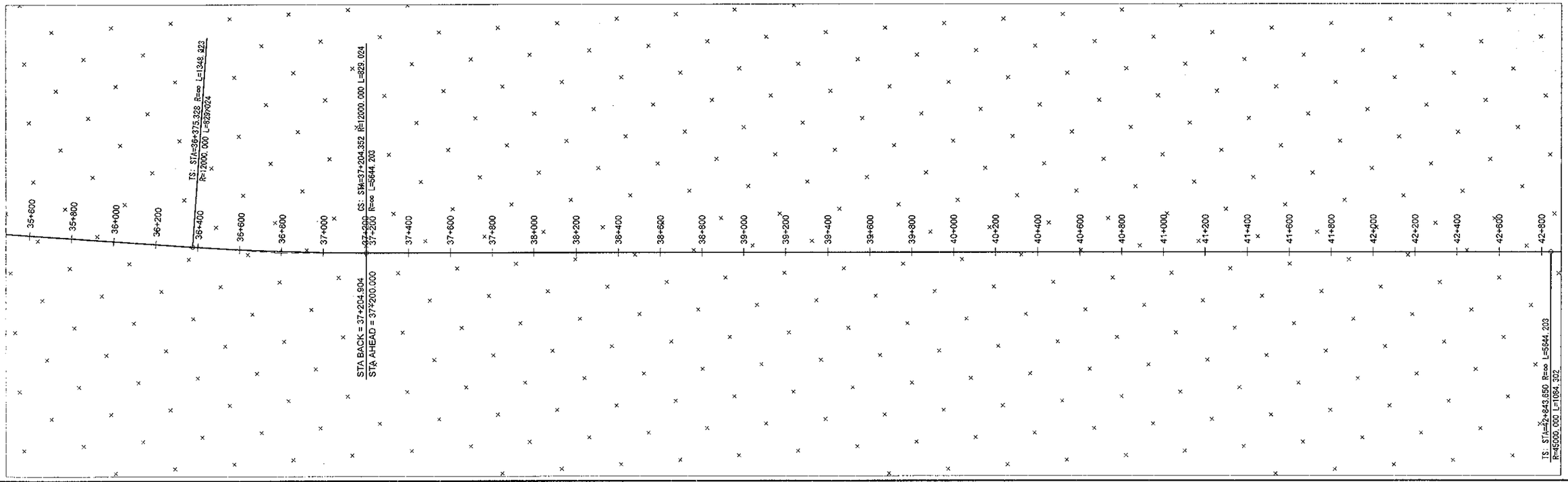
000013

TO DA NANG

ALIGNMENT LAYOUT KM28+400 - KM42+800
SƠ ĐỒ TIM TUYẾN KM28+400 - KM42+800

TO QUANG NGAI





MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

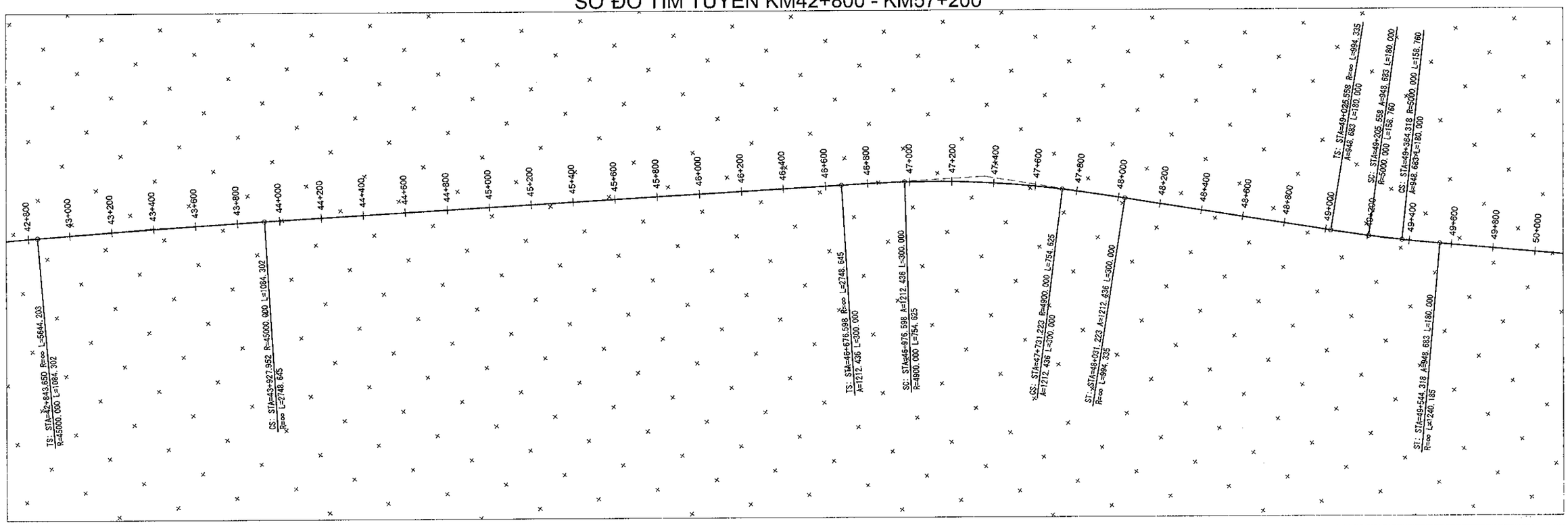
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Basic Design

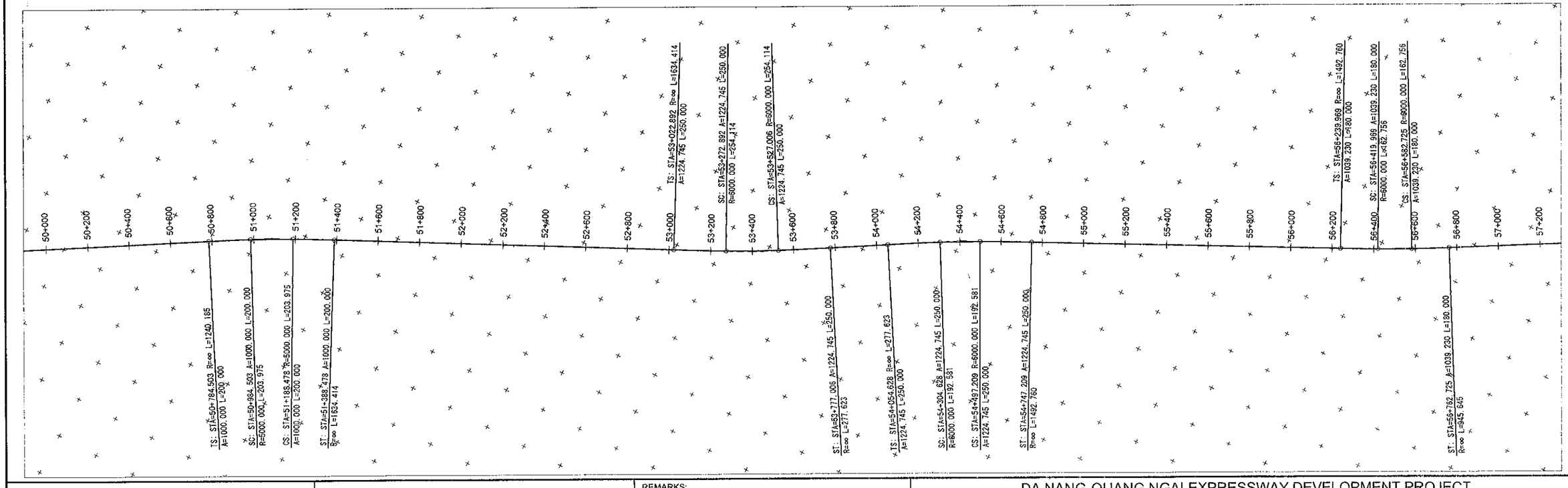
	PREPARED BY	CHECKED BY	APPROVED BY	ALIGNMENT LAYOUT KM28+400 - KM42+800 SƠ ĐỒ TIM TUYẾN KM28+400 - KM42+800		
NAME	HOANG DUC CHAU	TAKAYASU NAGAI	I. ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/20.000	BD-RW-AL-030	03

TO DA NANG

ALIGNMENT LAYOUT KM42+800 - KM57+200
SƠ ĐỒ TIM TUYẾN KM42+800 - KM57+200

TO QUANG NGAI



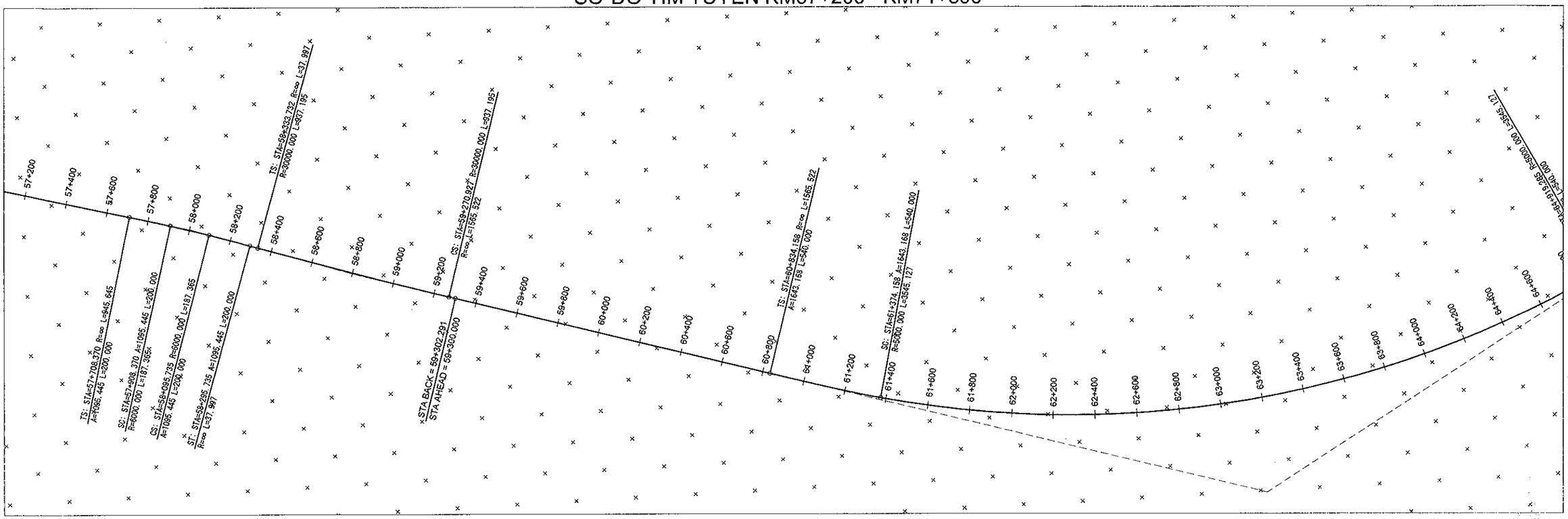


MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design				
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	ALIGNMENT LAYOUT KM42+800 - KM57+200 SƠ ĐỒ TIM TUYẾN KM42+800 - KM57+200
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	HOANG DUC CHAU	TAKAYASU NAGAI	I. ISHIMOTO	SCALE: 1/20.000 / DRAWING NO.: 8D-RW-AL-040 / REV. NO.: 03
				SIGNATURE				
				DATE				

TO DA NANG

ALIGNMENT LAYOUT KM57+200 - KM71+800
SƠ ĐỒ TIM TUYẾN KM57+200 - KM71+800

TO QUANG NGAI



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

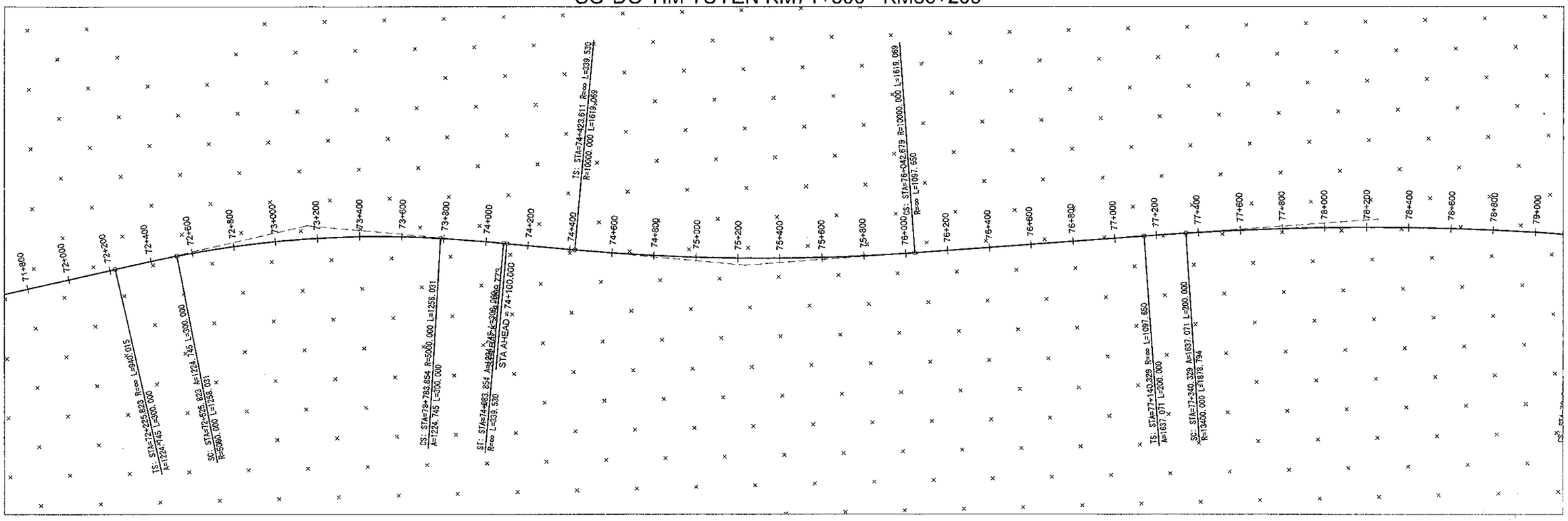
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Basic Design

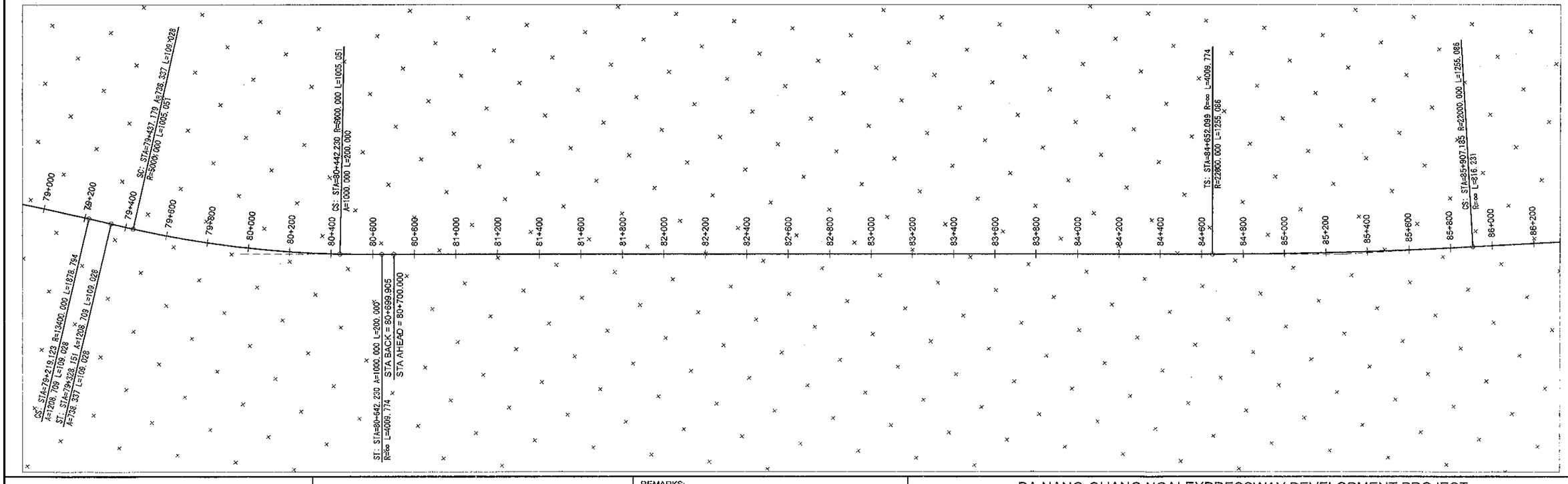
	PREPARED BY	CHECKED BY	APPROVED BY	ALIGNMENT LAYOUT KM57+200 - KM71+800 SƠ ĐỒ TIM TUYẾN KM57+200 - KM71+800		
NAME	HOANG DUC CHAU	TAKAYASU NAGAI	I. ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/20.000	BD-RW-AL-050	03

TO DA NANG

TO QUANG NGAI

ALIGNMENT LAYOUT KM71+800 - KM86+200
SƠ ĐỒ TIM TUYẾN KM71+800 - KM86+200





MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	ALIGNMENT LAYOUT KM71+800 - KM86+200 SƠ ĐỒ TIM TUYẾN KM71+800 - KM86+200	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	HOANG DUC CHAU	TAKAYASU NAGAI	I. ISHIMOTO		
				SIGNATURE				SCALE: 1/20.000	DRAWING NO.: BD-RW-AL-060 / REV. NO.: 03
				DATE					

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TO DA NANG

TO QUANG NGAI

ALIGNMENT LAYOUT KM86+200 - KM101+200
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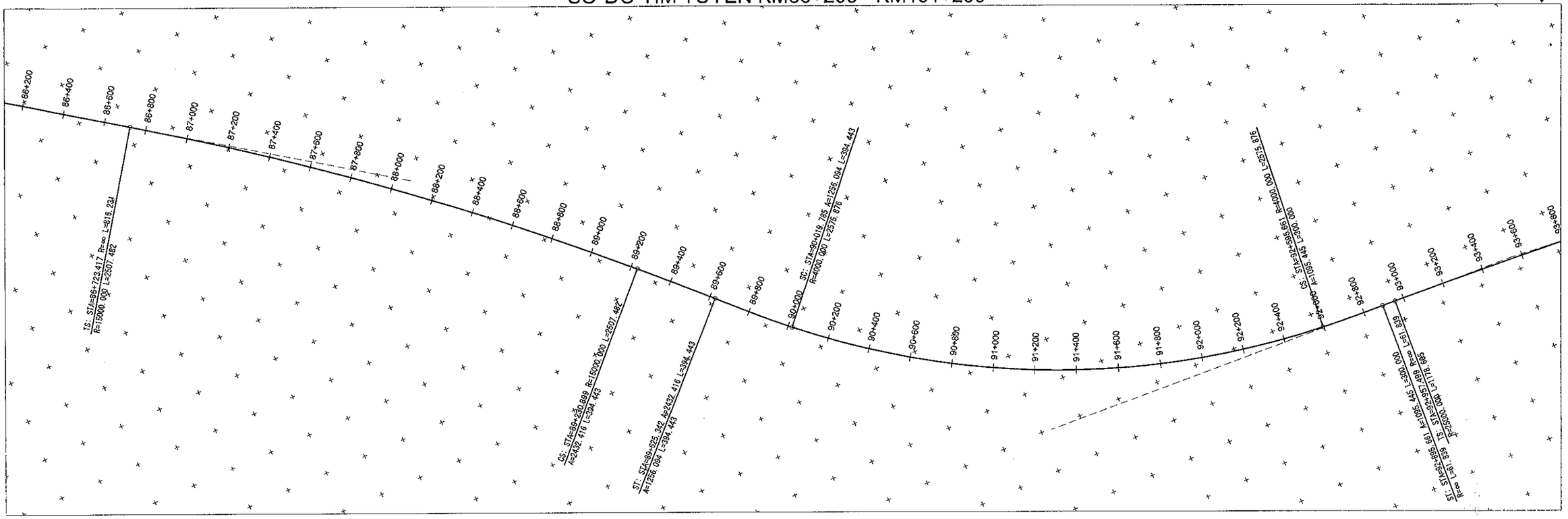
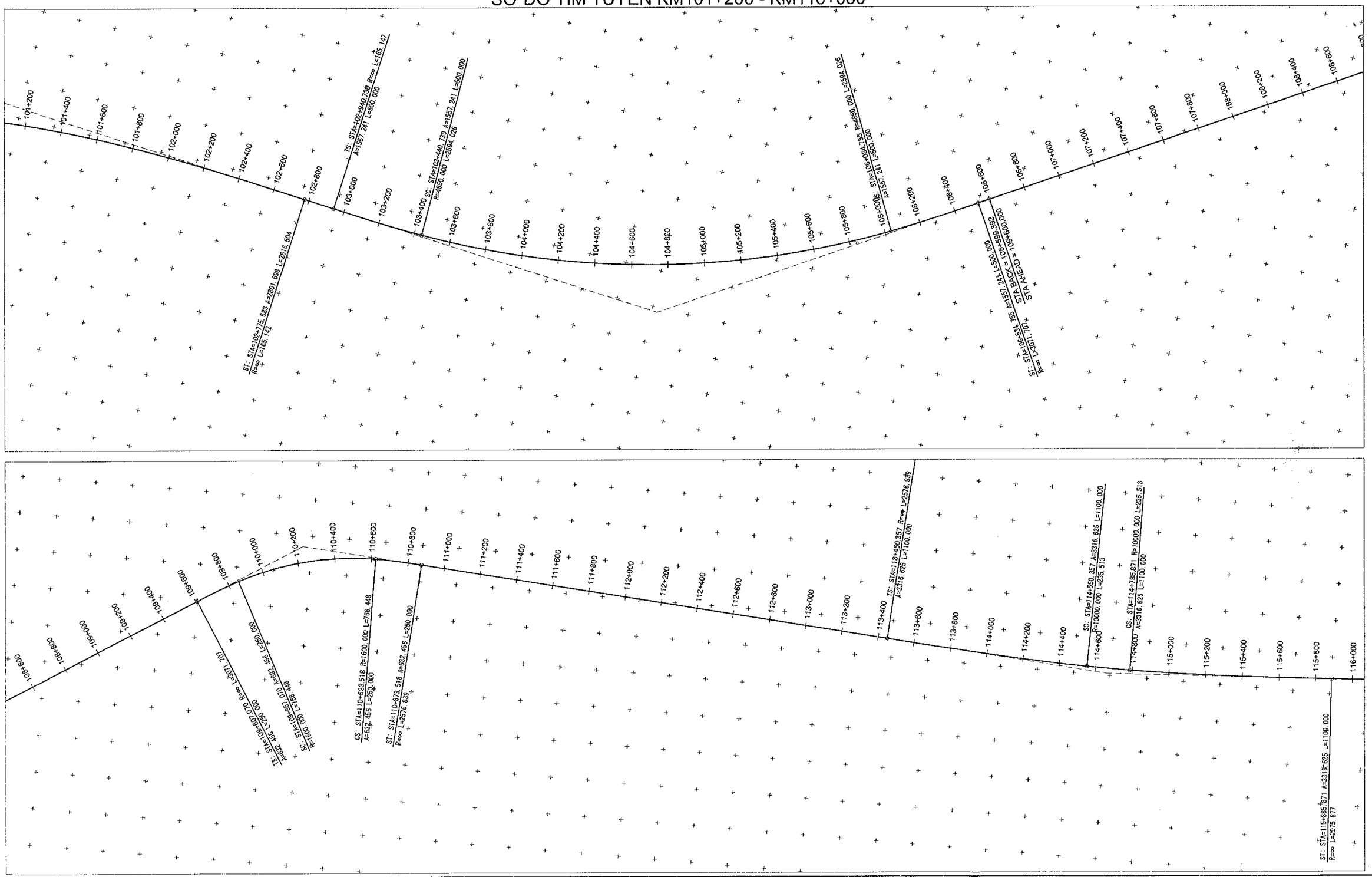


MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design				
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	ALIGNMENT LAYOUT KM86+200 - KM101+200 SƠ ĐỒ TIM TUYẾN KM86+200 - KM101+200
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	HOANG DUC CHAU	TAKAYASU NAGAI	I. ISHIMOTO	SCALE: 1/20.000 / DRAWING NO.: 8D-RW-AL-070 / REV. NO.: 03
				SIGNATURE				
				DATE				

TO DA NANG

ALIGNMENT LAYOUT KM101+200 - KM116+000
SƠ ĐỒ TIM TUYẾN KM101+200 - KM116+000

TO QUANG NGAI

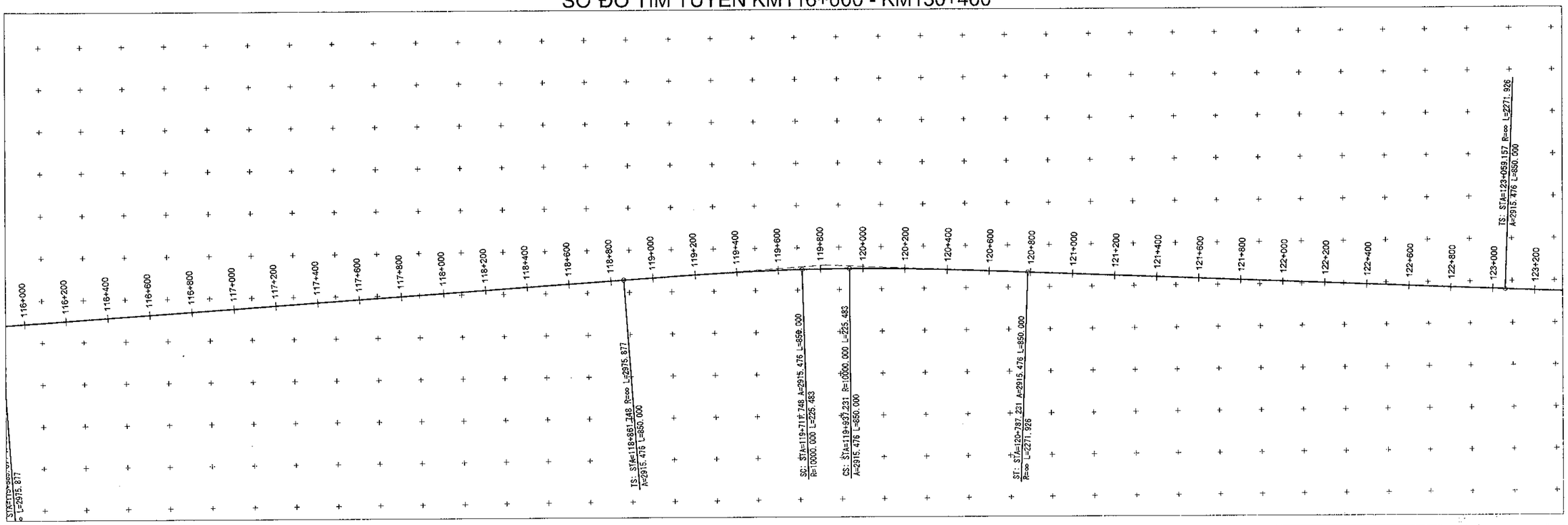


MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	ALIGNMENT LAYOUT KM101+200 - KM116+000 SƠ ĐỒ TIM TUYẾN KM101+200 - KM116+000	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	HOANG DUC CHAU	TAKAYASU NAGAI	I. ISHIMOTO	SCALE	DRAWING NO. / REV. NO.
				SIGNATURE				1/20.000	BD-RW-AL-080 / 03
				DATE					

TO DA NANG

ALIGNMENT LAYOUT KM116+000 - KM130+400
SƠ ĐỒ TIM TUYẾN KM116+000 - KM130+400

TO QUANG NGAI



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

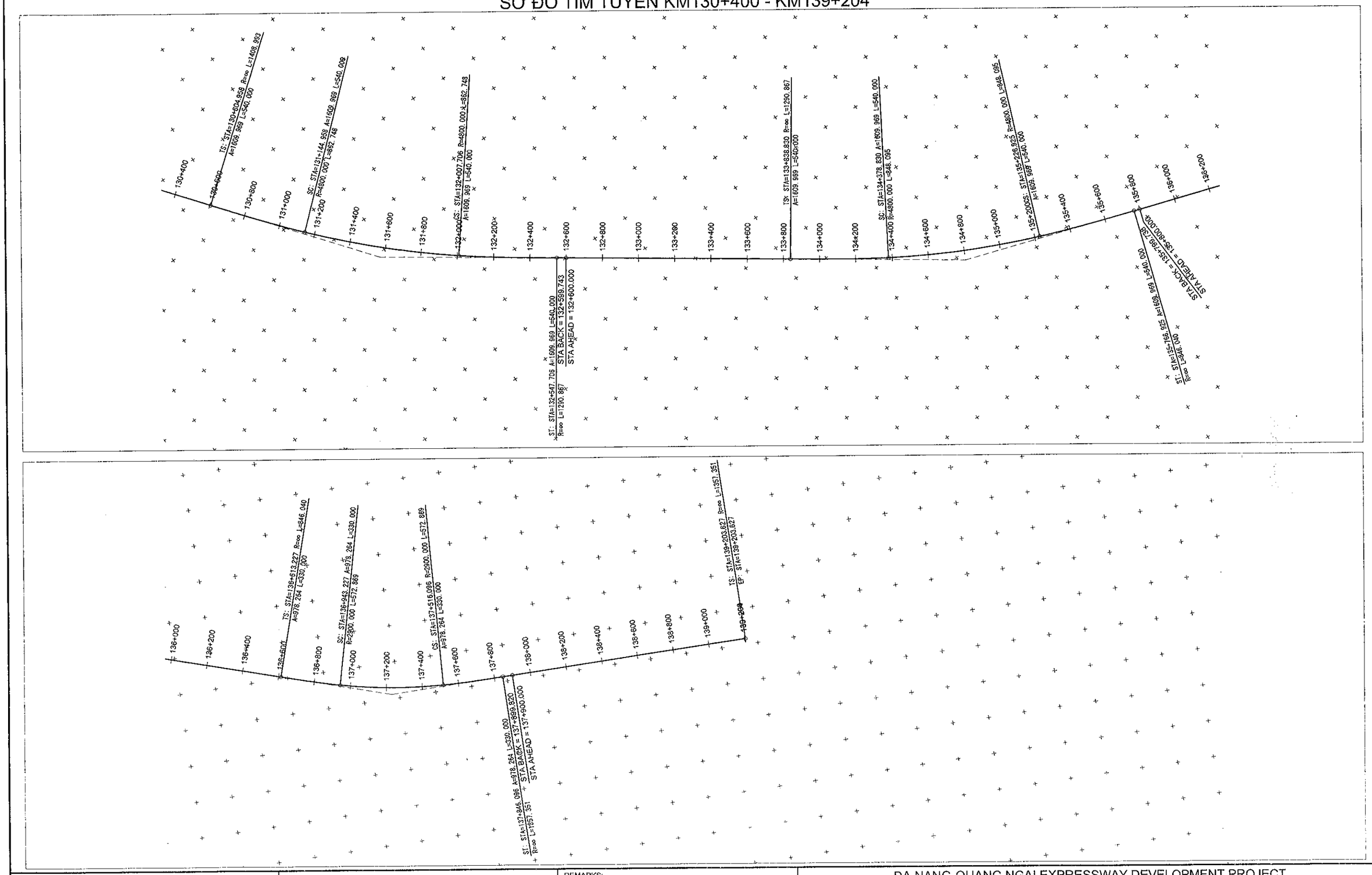
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Basic Design

	PREPARED BY	CHECKED BY	APPROVED BY	ALIGNMENT LAYOUT KM116+000 - KM130+400 SƠ ĐỒ TIM TUYẾN KM116+000 - KM130+400		
NAME	HOANG DUC CHAU	TAKAYASU NAGAI	I. ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/20.000	BD-RW-AL-090	03

TO DA NANG

TO QUANG NGAI

ALIGNMENT LAYOUT KM130+400 - KM139+204
SƠ ĐỒ TIM TUYẾN KM130+400 - KM139+204



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.		
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			

	PREPARED BY	CHECKED BY	APPROVED BY	ALIGNMENT LAYOUT KM130+400 - KM139+204 SƠ ĐỒ TIM TUYẾN KM130+400 - KM139+204		
NAME	HOANG DUC CHAU	TAKAYASU NAGAI	I. ISHIMOTO	SCALE	DRAWING NO.	REV. NO.
SIGNATURE				1/20.000	BD-RW-AL-100	03
DATE						

ELEMENTS OF ALIGNMENT
CÁC YẾU TỐ TIM TUYẾN

No.	Type	Length	Radius	A	Start Station	End Station	Spiral Type
1	Line	1318.948m			-0+800.000m	0+518.948m	
2.1	Spiral-Curve-Spiral	230.000m		678.233m	0+518.948m	0+748.948m	Clothoid
2.2	Spiral-Curve-Spiral	1622.337m	2000.000m		0+748.948m	2+371.285m	
2.3	Spiral-Curve-Spiral	230.000m		678.233m	2+371.285m	2+601.285m	Clothoid
3	Line	622.873m			2+601.285m	3+296.972m	
4.1	Spiral-Curve-Spiral	340.000m		1009.950m	3+296.972m	3+636.972m	Clothoid
4.2	Spiral-Curve-Spiral	742.730m	3000.000m		3+636.972m	4+379.701m	
4.3	Spiral-Curve-Spiral	340.000m		1009.950m	4+379.701m	4+719.701m	Clothoid
5	Line	1214.436m			4+719.701m	5+934.137m	
6.1	Spiral-Curve-Spiral	340.000m		1009.950m	5+934.137m	6+274.137m	Clothoid
6.2	Spiral-Curve-Spiral	664.466m	3000.000m		6+274.137m	6+938.603m	
6.3	Spiral-Curve-Spiral	340.000m		1009.950m	6+938.603m	7+278.603m	Clothoid
7	Line	2557.783m			7+278.603m	9+836.386m	
8.1	Spiral-Curve-Spiral	300.000m		1161.895m	9+836.386m	10+136.386m	Clothoid
8.2	Spiral-Curve-Spiral	276.068m	4500.000m		10+136.386m	10+412.454m	
8.3	Spiral-Curve-Spiral	300.000m		1161.895m	10+412.454m	10+712.454m	Clothoid
9	Line	1862.105m			10+712.454m	12+574.567m	
10.1	Spiral-Curve-Spiral	450.000m		1341.641m	12+574.567m	13+024.567m	Clothoid
10.2	Spiral-Curve-Spiral	1321.199m	4000.000m		13+024.567m	14+345.766m	
10.3	Spiral-Curve-Spiral	450.000m		1341.641m	14+345.766m	14+795.766m	Clothoid
11	Line	1058.092m			14+795.766m	15+851.857m	
12	Curve	636.597m	20000.000m		15+851.857m	16+488.454m	
13	Line	1774.437m			16+488.454m	18+262.891m	
14.1	Spiral-Curve-Spiral	220.000m		663.325m	18+262.891m	18+482.891m	Clothoid
14.2	Spiral-Curve-Spiral	597.126m	2000.000m		18+482.891m	19+080.018m	
14.3	Spiral-Curve-Spiral	220.000m		663.325m	19+080.018m	19+300.018m	Clothoid
15	Line	1441.207m			19+300.018m	20+741.225m	
16.1	Spiral-Curve-Spiral	170.000m		412.311m	20+741.225m	20+911.225m	Clothoid
16.2	Spiral-Curve-Spiral	817.406m	1000.000m		20+911.225m	21+728.632m	
16.3	Spiral-Curve-Spiral	170.000m		412.311m	21+728.632m	21+898.632m	Clothoid
17	Line	1721.217m			21+898.632m	23+600.118m	
18.1	Spiral-Curve-Spiral	333.333m		1000.000m	23+600.118m	23+933.451m	Clothoid
18.2	Spiral-Curve-Spiral	445.951m	3000.000m		23+933.451m	24+379.402m	
18.3	Spiral-Curve-Spiral	333.333m		1000.000m	24+379.402m	24+712.735m	Clothoid
19	Line	1582.872m			24+712.735m	26+224.751m	
20	Curve	5460.685m	10500.000m		26+224.751m	31+685.435m	
21	Line	2077.774m			31+685.435m	33+805.377m	
22.1	Spiral-Curve-Spiral-Spiral-Curve-Spiral	240.000m		600.000m	33+805.377m	34+045.377m	Clothoid
22.2	Spiral-Curve-Spiral-Spiral-Curve-Spiral	114.000m	1500.000m		34+045.377m	34+159.377m	
22.3	Spiral-Curve-Spiral-Spiral-Curve-Spiral	240.000m		600.000m	34+159.377m	34+399.377m	Clothoid
22.4	Spiral-Curve-Spiral-Spiral-Curve-Spiral	170.000m		504.975m	34+399.377m	34+569.377m	Clothoid
22.5	Spiral-Curve-Spiral-Spiral-Curve-Spiral	287.628m	1500.000m		34+569.377m	34+857.005m	
22.6	Spiral-Curve-Spiral-Spiral-Curve-Spiral	170.000m		504.975m	34+857.005m	35+027.005m	Clothoid
23	Line	1348.323m			35+027.005m	36+375.328m	
24	Curve	829.024m	12000.000m		36+375.328m	37+204.352m	
25	Line	5644.203m			37+204.352m	42+843.650m	
26	Curve	1084.302m	45000.000m		42+843.650m	43+927.952m	
27	Line	2748.645m			43+927.952m	46+676.598m	
28.1	Spiral-Curve-Spiral	300.000m		1212.436m	46+676.598m	46+976.598m	Clothoid
28.2	Spiral-Curve-Spiral	754.625m	4900.000m		46+976.598m	47+731.223m	
28.3	Spiral-Curve-Spiral	300.000m		1212.436m	47+731.223m	48+031.223m	Clothoid
29	Line	994.335m			48+031.223m	49+025.558m	
30.1	Spiral-Curve-Spiral	180.000m		948.683m	49+025.558m	49+205.558m	Clothoid
30.2	Spiral-Curve-Spiral	158.760m	5000.000m		49+205.558m	49+364.318m	
30.3	Spiral-Curve-Spiral	180.000m		948.683m	49+364.318m	49+544.318m	Clothoid
31	Line	1240.185m			49+544.318m	50+784.503m	
32.1	Spiral-Curve-Spiral	200.000m		1000.000m	50+784.503m	50+984.503m	Clothoid
32.2	Spiral-Curve-Spiral	203.975m	5000.000m		50+984.503m	51+188.478m	
32.3	Spiral-Curve-Spiral	200.000m		1000.000m	51+188.478m	51+388.478m	Clothoid
33	Line	1634.414m			51+388.478m	53+022.892m	
34.1	Spiral-Curve-Spiral	250.000m		1224.745m	53+022.892m	53+272.892m	Clothoid
34.2	Spiral-Curve-Spiral	254.114m	6000.000m		53+272.892m	53+527.006m	
34.3	Spiral-Curve-Spiral	250.000m		1224.745m	53+527.006m	53+777.006m	Clothoid
35	Line	277.623m			53+777.006m	54+054.628m	
36.1	Spiral-Curve-Spiral	250.000m		1224.745m	54+054.628m	54+304.628m	Clothoid
36.2	Spiral-Curve-Spiral	192.581m	6000.000m		54+304.628m	54+497.209m	
36.3	Spiral-Curve-Spiral	250.000m		1224.745m	54+497.209m	54+747.209m	Clothoid
37	Line	1492.760m			54+747.209m	56+239.969m	
38.1	Spiral-Curve-Spiral	180.000m		1039.230m	56+239.969m	56+419.969m	Clothoid
38.2	Spiral-Curve-Spiral	162.756m	6000.000m		56+419.969m	56+582.725m	
38.3	Spiral-Curve-Spiral	180.000m		1039.230m	56+582.725m	56+762.725m	Clothoid
39	Line	945.645m			56+762.725m	57+708.370m	
40.1	Spiral-Curve-Spiral	200.000m		1095.445m	57+708.370m	57+908.370m	Clothoid
40.2	Spiral-Curve-Spiral	187.365m	6000.000m		57+908.370m	58+095.735m	
40.3	Spiral-Curve-Spiral	200.000m		1095.445m	58+095.735m	58+295.735m	Clothoid
41	Line	37.997m			58+295.735m	58+333.732m	
42	Curve	937.195m	30000.000m		58+333.732m	59+270.927m	

No.	Type	Length	Radius	A	Start Station	End Station	Spiral Type
43	Line	1565.522m			59+270.927m	60+834.158m	
44.1	Spiral-Curve-Spiral	540.000m		1643.168m	60+834.158m	61+374.158m	Clothoid
44.2	Spiral-Curve-Spiral	3545.127m	5000.000m		61+374.158m	64+919.285m	
44.3	Spiral-Curve-Spiral	540.000m		1643.168m	64+919.285m	65+459.285m	Clothoid
45	Line	1348.072m			65+459.285m	66+807.357m	
46.1	Spiral-Curve-Spiral	550.000m		1658.312m	66+807.357m	67+357.357m	Clothoid
46.2	Spiral-Curve-Spiral	428.260m	5000.000m		67+357.357m	67+785.617m	
46.3	Spiral-Curve-Spiral	550.000m		1658.312m	67+785.617m	68+335.617m	Clothoid
47	Line	1160.330m			68+335.617m	69+495.947m	
48.1	Spiral-Curve-Spiral	810.000m		2431.666m	69+495.947m	70+305.947m	Clothoid
48.2	Spiral-Curve-Spiral	169.860m	7300.000m		70+305.947m	70+475.808m	
48.3	Spiral-Curve-Spiral	810.000m		2431.666m	70+475.808m	71+285.808m	Clothoid
49	Line	940.015m			71+285.808m	72+225.823m	
50.1	Spiral-Curve-Spiral	300.000m		1224.745m	72+225.823m	72+525.823m	Clothoid
50.2	Spiral-Curve-Spiral	1258.031m	5000.000m		72+525.823m	73+783.854m	
50.3	Spiral-Curve-Spiral	300.000m		1224.745m	73+783.854m	74+083.854m	Clothoid
51	Line	339.530m			74+083.854m	74+423.611m	
52	Curve	1619.089m	10000.000m		74+423.611m	76+042.679m	
53	Line	1097.650m			76+042.679m	77+140.329m	
54	Spiral	200.000m		1637.071m	77+140.329m	77+340.329m	Clothoid
55	Curve	1878.794m	13400.000m		77+340.329m	79+219.123m	
56.1	Spiral-Spiral	109.028m		1208.709m	79+219.123m	79+328.151m	Clothoid
56.2	Spiral-Spiral	109.028m		738.337m	79+328.151m	79+437.179m	Clothoid
57	Curve	1005.051m	5000.000m		79+437.179m	80+442.230m	
58	Spiral	200.000m		1000.000m	80+442.230m	80+642.230m	Clothoid
59	Line	4009.774m			80+642.230m	84+652.099m	
60	Curve	1255.086m	22000.000m		84+652.099m	85+907.185m	
61	Line	816.231m			85+907.185m	86+723.417m	
62	Curve	2507.482m	15000.000m		86+723.417m	89+230.899m	
63.1	Spiral-Spiral	394.443m		2432.416m	89+230.899m	89+625.342m	Clothoid
63.2	Spiral-Spiral	394.443m		1256.094m	89+625.342m	90+019.785m	Clothoid
64	Curve	2575.876m	4000.000m		90+019.785m	92+595.661m	
65	Spiral	300.000m		1095.445m	92+595.661m	92+895.661m	Clothoid
66	Line	61.839m			92+895.661m	92+957.499m	
67	Curve	1178.605m	25000.000m		92+957.499m	94+136.105m	
68	Line	1618.294m			94+136.105m	95+752.469m	
69	Spiral	169.707m		823.910m	95+752.469m	95+922.176m	Clothoid
70	Curve	3797.461m	4000.000m		95+922.176m	99+719.637m	
71	Spiral	170.469m		1430.255m	99+719.637m	99+890.106m	Clothoid
72	Curve	268.973m	3000.000m		99+890.106m	100+159.079m	
73	Spiral	2616.504m		2801.698m	100+159.079m	102+775.583m	Clothoid
74	Line	165.147m			102+775.583m	102+940.730m	
75.1	Spiral-Curve-Spiral	500.000m		1557.241m	102+940.730m	103+440.730m	Clothoid
75.2	Spiral-Curve-Spiral	2594.026m	4850.000m		103+440.730m	106+034.755m	
75.3	Spiral-Curve-Spiral	500.000m		1557.241m	106+034.755m	106+534.755m	Clothoid
76	Line	3071.707m			106+534.755m	109+607.070m	
77.1	Spiral-Curve-Spiral	250.000m		632.456m	109+607.070m	109+857.070m	Clothoid
77.2	Spiral-Curve-Spiral	766.448m	1600.000m		109+857.070m	110+623.518m	
77.3	Spiral-Curve-Spiral	250.000m		632.456m	110+623.518m	110+873.518m	Clothoid
78	Line	2576.839m			110+873.518m	113+450.357m	
79.1	Spiral-Curve-Spiral	1100.000m		3316.625m	113+450.357m	114+550.357m	Clothoid
79.2	Spiral-Curve-Spiral	235.513m	10000.000m		114+550.357m	114+785.871m	
79.3	Spiral-Curve-Spiral	1100.000m		3316.625m	114+785.871m	115+885.871m	Clothoid
80	Line	2975.877m			115+885.871m	118+861.748m	
81.1	Spiral-Curve-Spiral	850.000m		2915.476m	118+861.748m	119+711.748m	Clothoid
81.2	Spiral-Curve-Spiral	225.483m	10000.000m		119+711.748m	119+937.231m	
81.3	Spiral-Curve-Spiral	850.000m		2915.476m	119+937.231m	120+787.231m	Clothoid
82	Line	2271.926m			120+787.231m	123+059.157m	
83.1	Spiral-Curve-Spiral	850.000m		2915.476m	123+059.157m	123+909.157m	Clothoid
83.2	Spiral-Curve-Spiral	217.951m	10000.000m		123+909.157m	124+127.108m	
83.3	Spiral-Curve-Spiral	850.000m		2915.476m	124+127.108m	124+977.108m	Clothoid
84	Line	2751.427m			124+977.108m	127+728.535m	
85.1	Spiral-Curve-Spiral	220.000m		663.325m	127+728.535m	127+948.535m	Clothoid
85.2	Spiral-Curve-Spiral	1027.429m	2000.000m		127+948.535m	128+975.964m	
85.3	Spiral-Curve-Spiral	220.000m		663.325m	128+975.964m	129+195.964m	Clothoid
86	Line	1408.993m			129+195.964m	130+604.958m	
87.1	Spiral-Curve-Spiral	540.000m		1609.969m	130+604.958m	131+144.958m	Clothoid
87.2	Spiral-Curve-Spiral	862.748m	4800.000m		131+144.958m	132+007.706m	
87.3	Spiral-Curve-Spiral	540.000m		1609.969m	132+007.706m	132+547.706m	Clothoid
88	Line	1290.867m			132+547.706m	133+838.830m	
89.1	Spiral-Curve-Spiral	540.000m		1609.969m	133+838.830m	134+378.830m	Clothoid
89.2	Spiral-Curve-Spiral	848.095m	4800.000m		134+378.830m	135+226.925m	
89.3	Spiral-Curve-Spiral	540.000m		1609.969m	135+226.925m	135+766.925m	Clothoid
90	Line	846.040m			135+766.925m	136+613.227m	
91.1	Spiral-Curve-Spiral	330.000m		978.264m	136+613.227m	136+943.227m	Clothoid
91.2	Spiral-Curve-Spiral	572.869m	2900.000m		136+943.227m	137+516.096m	
91.3	Spiral-Curve-Spiral	330.000m		978.264m	137+516.096m	137+846.096m	Clothoid
92	Line	1357.351m			137+846.096m	139+203.627m	

MINISTRY OF TRANSPORT VIETNAM	ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design
CLIENT: VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT CONSULTANT: PROJECT MANAGEMENT UNIT NO.85	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	ELEMENTS OF ALIGNMENT CÁC YẾU TỐ TIM TUYẾN

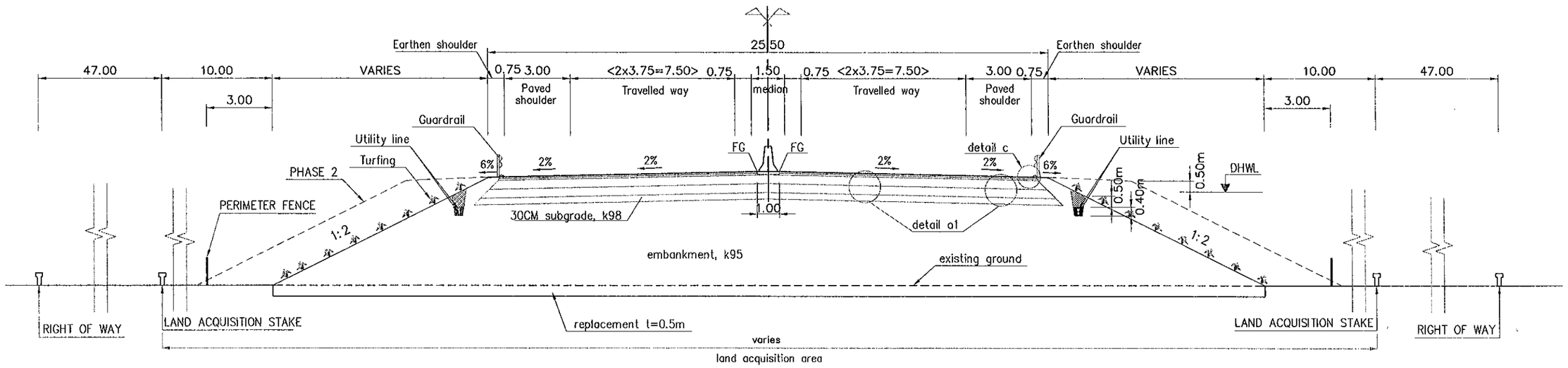
	PREPARED BY	CHECKED BY	APPROVED BY	SCALE	DRAWING NO.	REV. NO.
NAME	HOANG DUC CHAU	TAKAYASU NAGAI	I. ISHIMOTO			
SIGNATURE				NONE SCALE	BD-RW-AL-110	03
DATE						

C. TYPICAL CROSS SECTION
C. MẶT CẮT NGANG ĐIỂN HÌNH

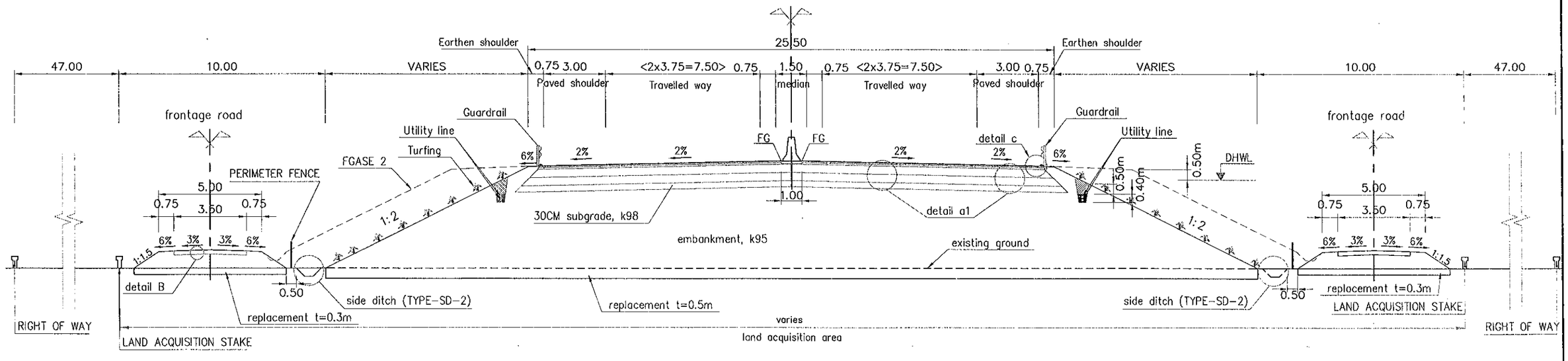
C1. TYPICAL CROSS SECTION OF THRUWAY
C1. MẶT CẮT NGANG ĐIỂN HÌNH TUYẾN CHÍNH

TYPICAL CROSS SECTION OF THRUWAY (M SERIES)

TYPE M-01: EMBANKMENT



TYPE M-02: EMBANKMENT WITH FRONTAGE ROAD

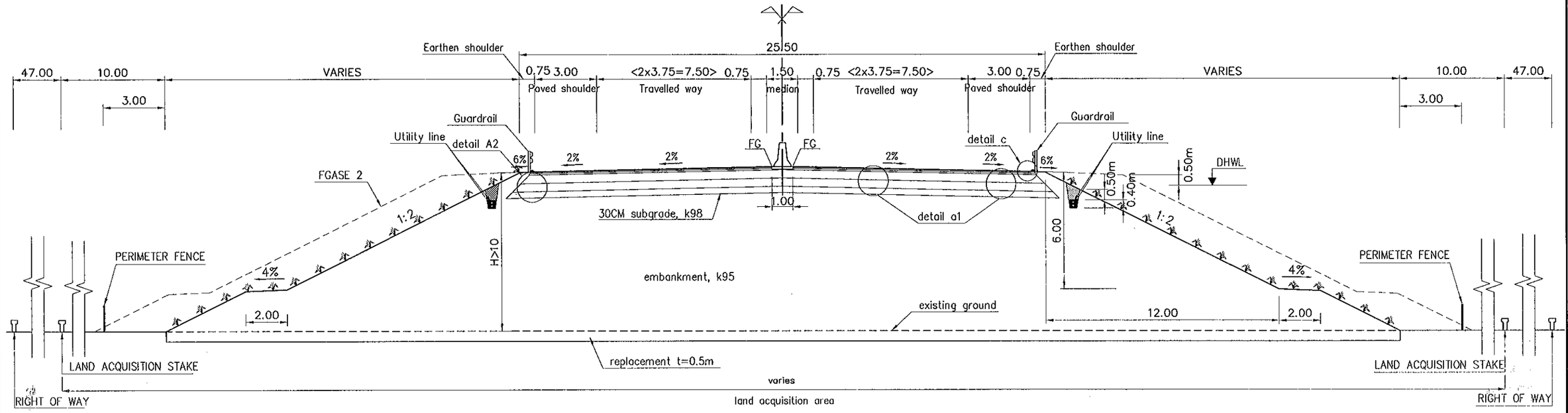


NOTES:

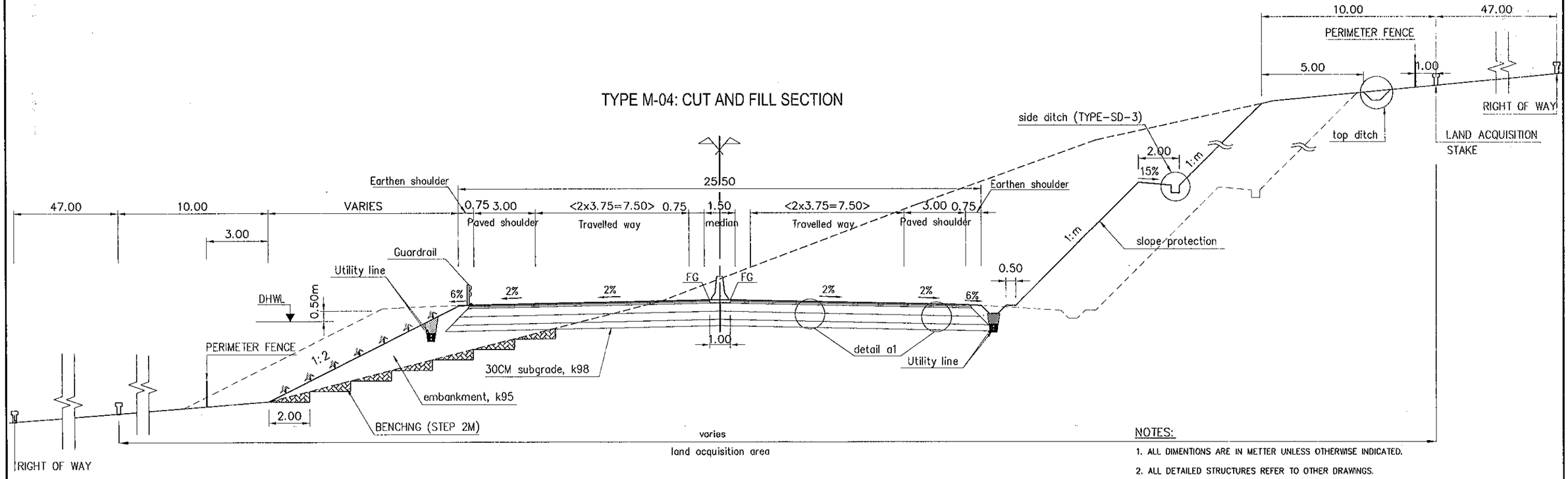
1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.
2. ALL DETAILED STRUCTURES REFER TO OTHER DRAWINGS.

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE M-01, M-02) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI M-01, M-02)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO	SCALE: 1/200	DRAWING NO.: BD-RW-TY-010 / REV. NO.: 2
				SIGNATURE					
				DATE					

TYPE M-03: HIGH EMBANKMENT



TYPE M-04: CUT AND FILL SECTION



NOTES:

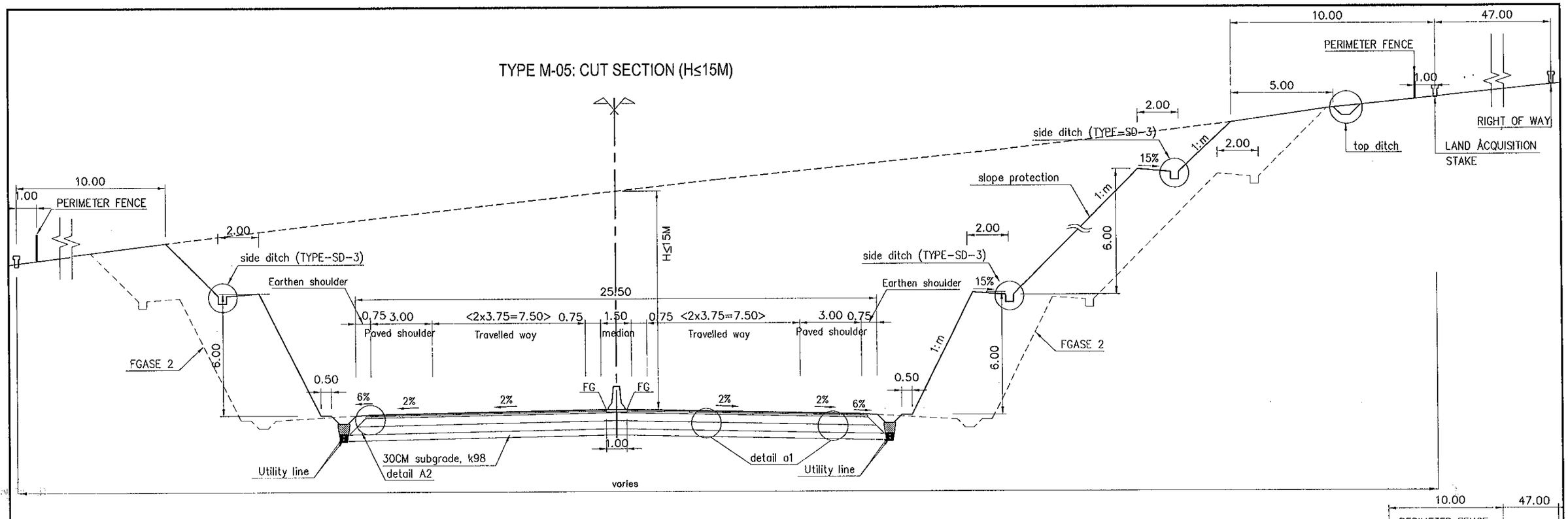
1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.
2. ALL DETAILED STRUCTURES REFER TO OTHER DRAWINGS.
3. GRADIENT OF SLOP OF CUT SECTION SHALL BE DECIDED AFTER STABILIZATION ANALYSIS;

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

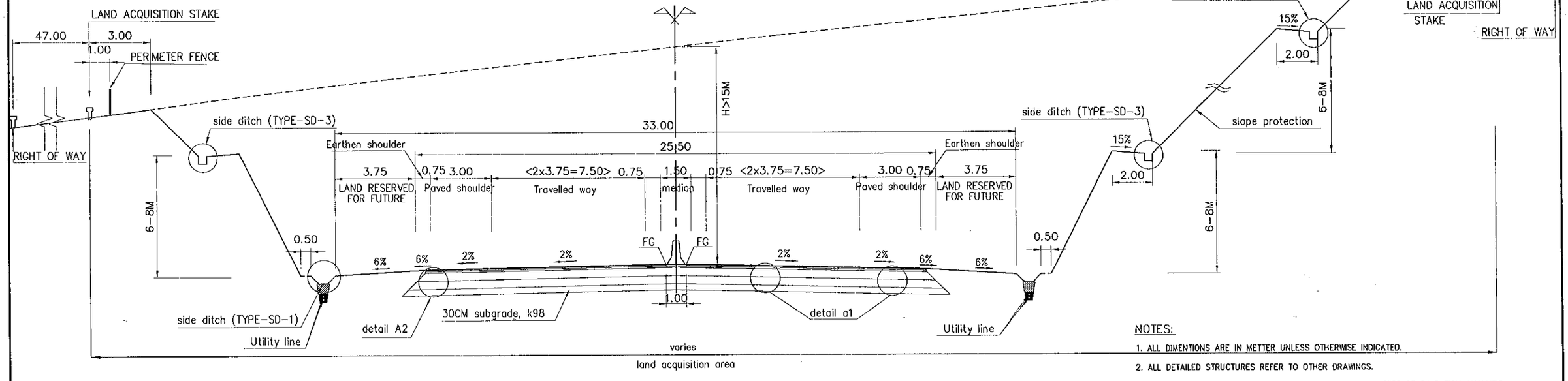
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Basic Design

	PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE M-03, M-04) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI M-03, M-04)		
NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/200	BD-RW-TY-020	2

TYPE M-05: CUT SECTION (H≤15M)



TYPE M-06: CUT SECTION (H>15M)



NOTES:

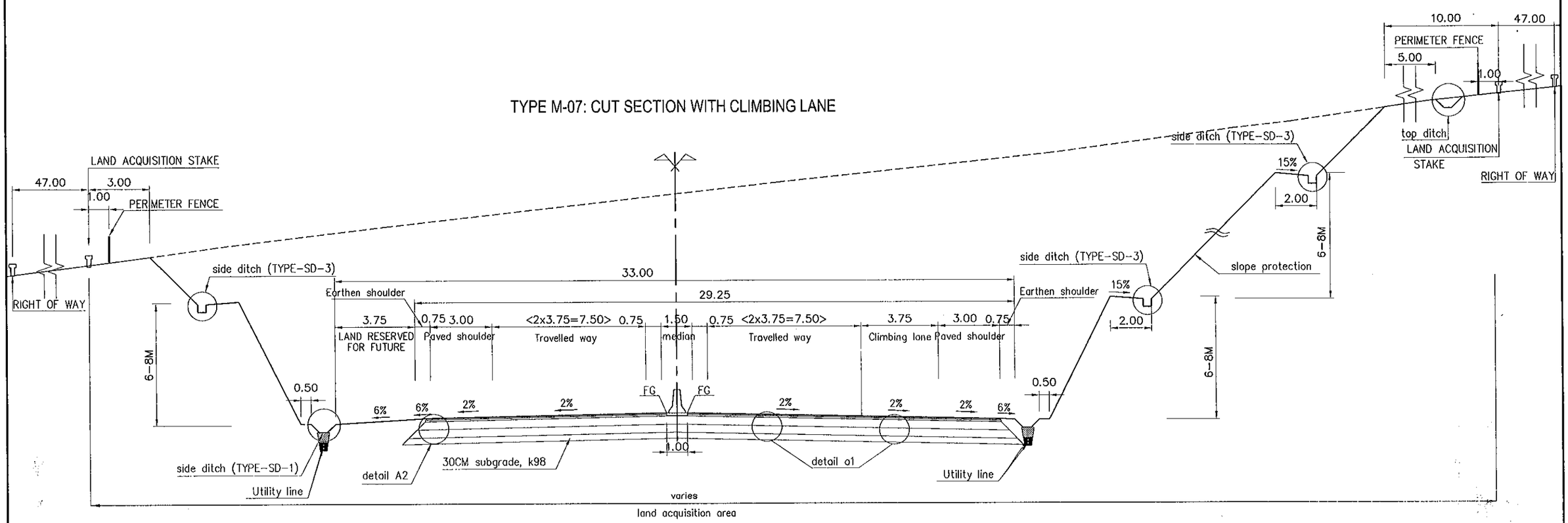
1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.
2. ALL DETAILED STRUCTURES REFER TO OTHER DRAWINGS.
3. GRADIENT OF SLOP OF CUT SECTION SHALL BE DECIDED AFTER STABILIZATION ANALYSIS;

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

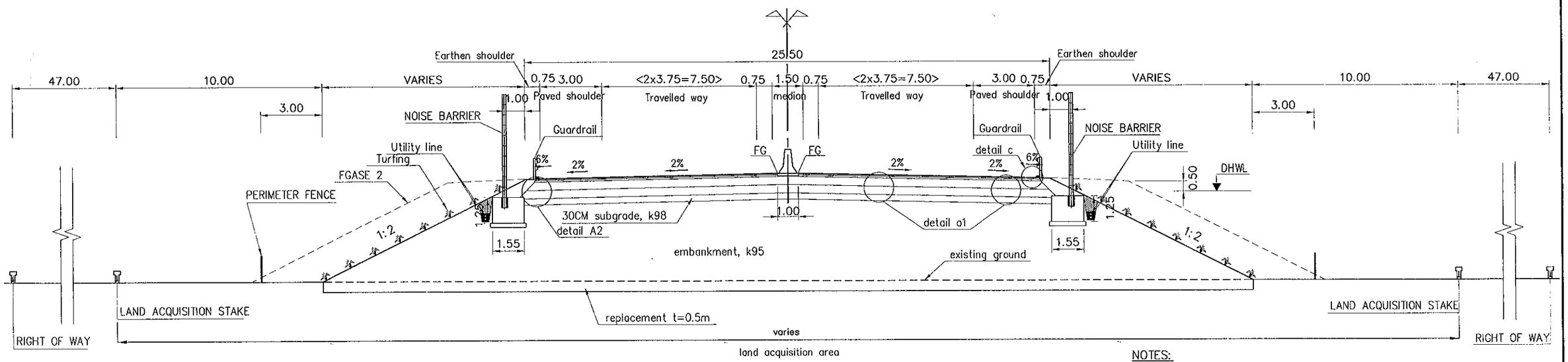
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Basic Design

	PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE M-05, M-06) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI M-05, M-06)		
NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/200	BD-RW-TY-030	2

TYPE M-07: CUT SECTION WITH CLIMBING LANE



TYPE M-08: EMBANKMENT WITH NOISE BARRIER



NOTES:

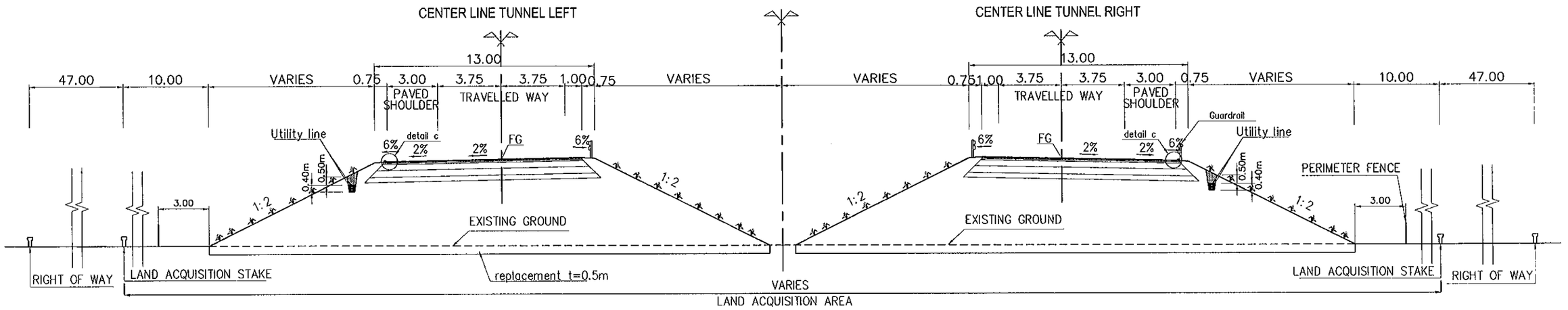
1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.
2. ALL DETAILED STRUCTURES REFER TO OTHER DRAWINGS.
3. GRADIENT OF SLOP OF CUT SECTION SHALL BE DECIDED AFTER STABILIZATION ANALYSIS;

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

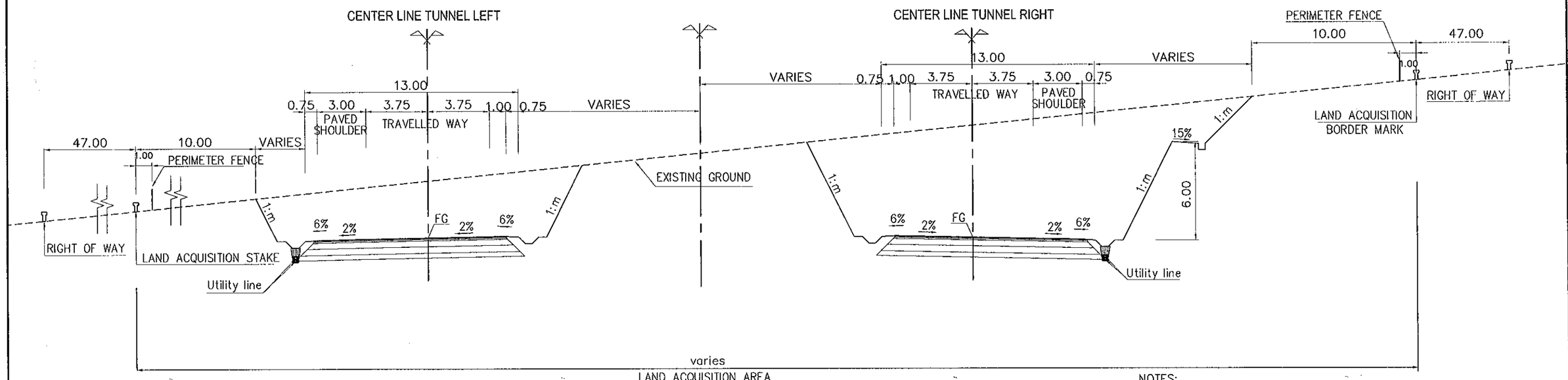
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Basic Design

	PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE M-07, M-08) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI M-07, M-08)		
NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/200	BD-RW-TY-040	2

TYPE M-09: CUT SECTION AT TUNNEL APPROACH



TYPE M-10: EMBANKMENT AT TUNNEL APPROACH

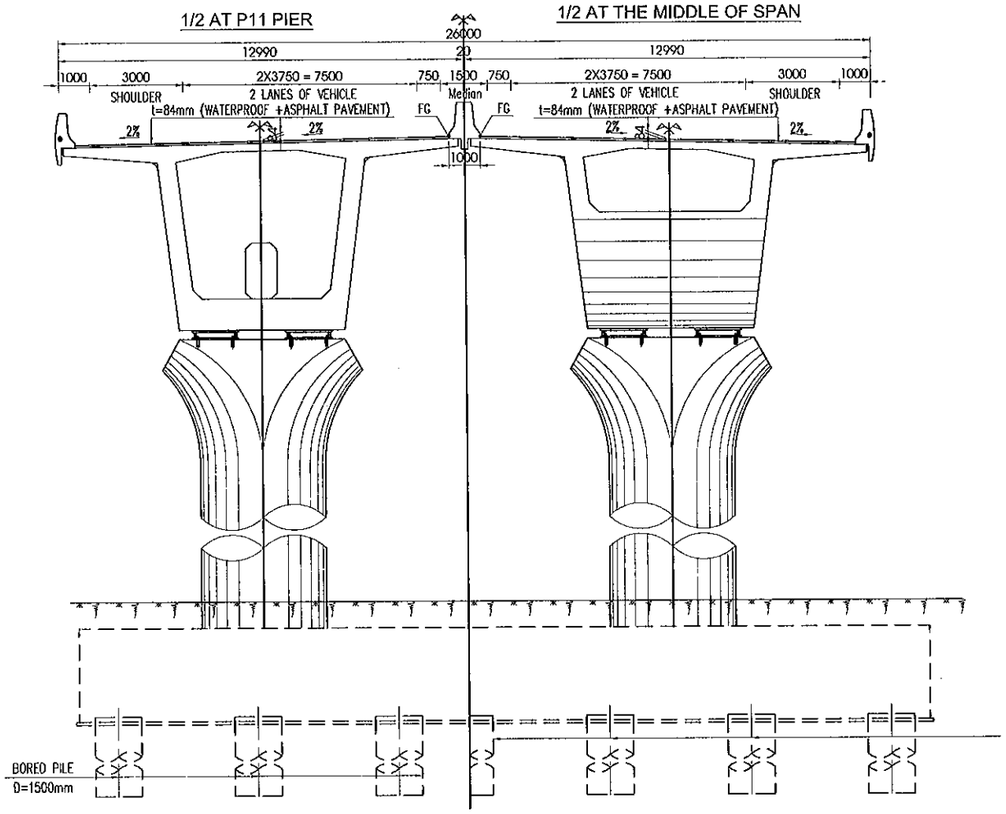


NOTES:

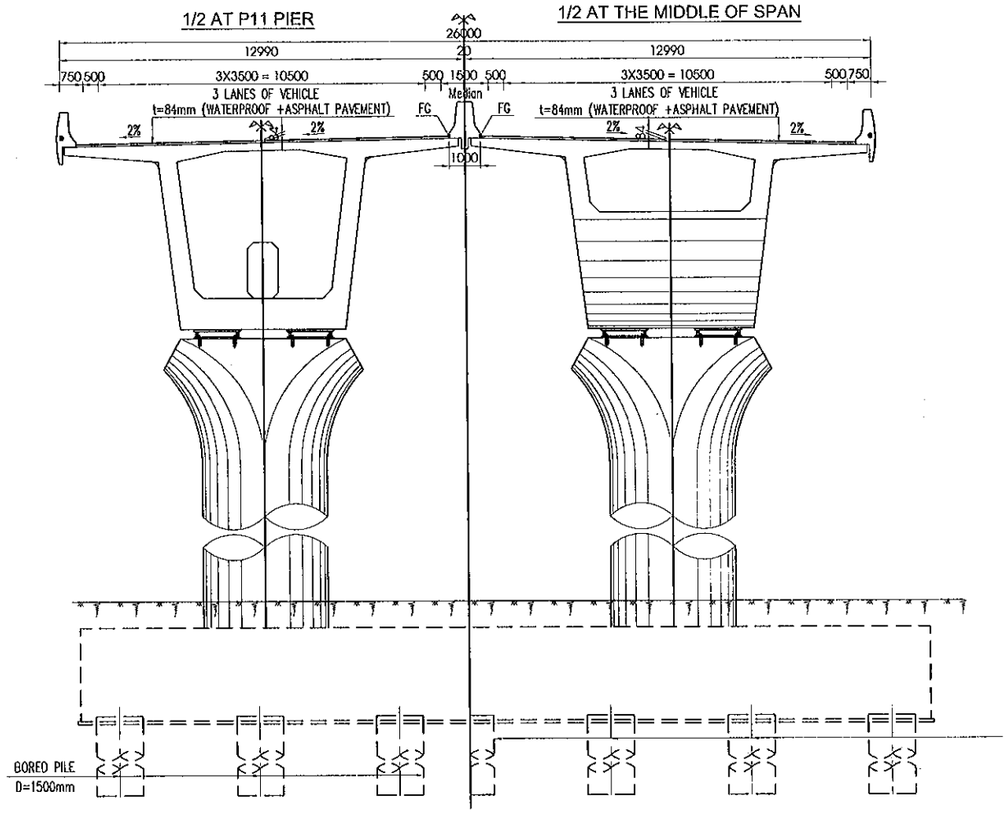
1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.
2. ALL DETAILED STRUCTURES REFER TO OTHER DRAWINGS.
3. GRADIENT OF SLOP OF CUT SECTION SHALL BE DECIDED AFTER STABILIZATION ANALYSIS;

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE M-09, M-10) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI M-09, M-10)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO	SCALE	DRAWING NO. / REV. NO.
				SIGNATURE				1/250	BD-RW-TY-050 / 2
				DATE					

TYPE M-11: PC-BOX GIRDER (INITIAL)



TYPE M-12: PC-BOX GIRDER (ULTIMATE)



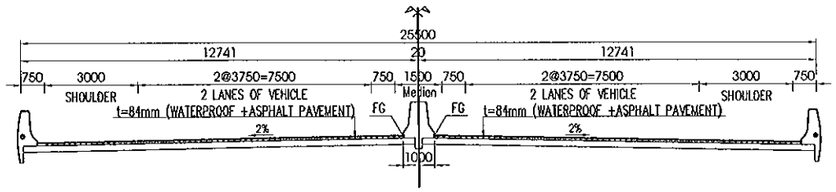
NOTES: ALL DIMENTIONS ARE IN MILLIMETTER UNLESS OTHERWISE INDICATED.

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

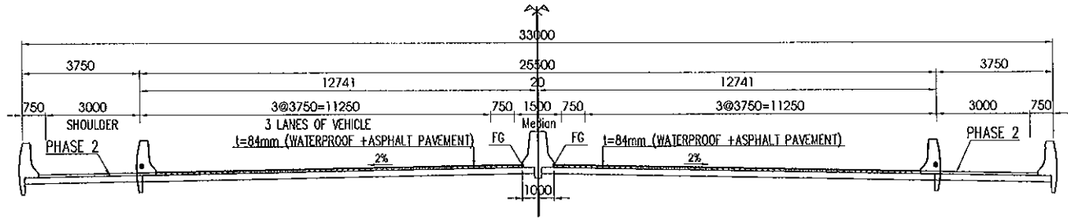
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Basic Design

	PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE M-11, M-12) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI M-11, M-12)		
NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/200	BD-RW-TY-060	2

TYPE M-13: OTHER BRIDGE (INITIAL)



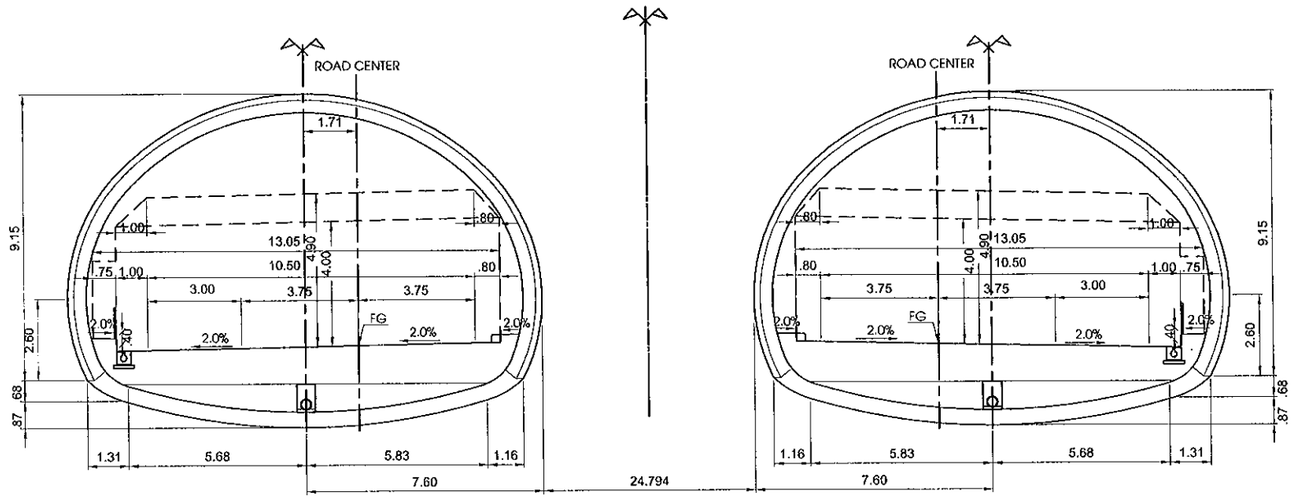
TYPE M-14: OTHER BRIDGE (ULTIMATE)



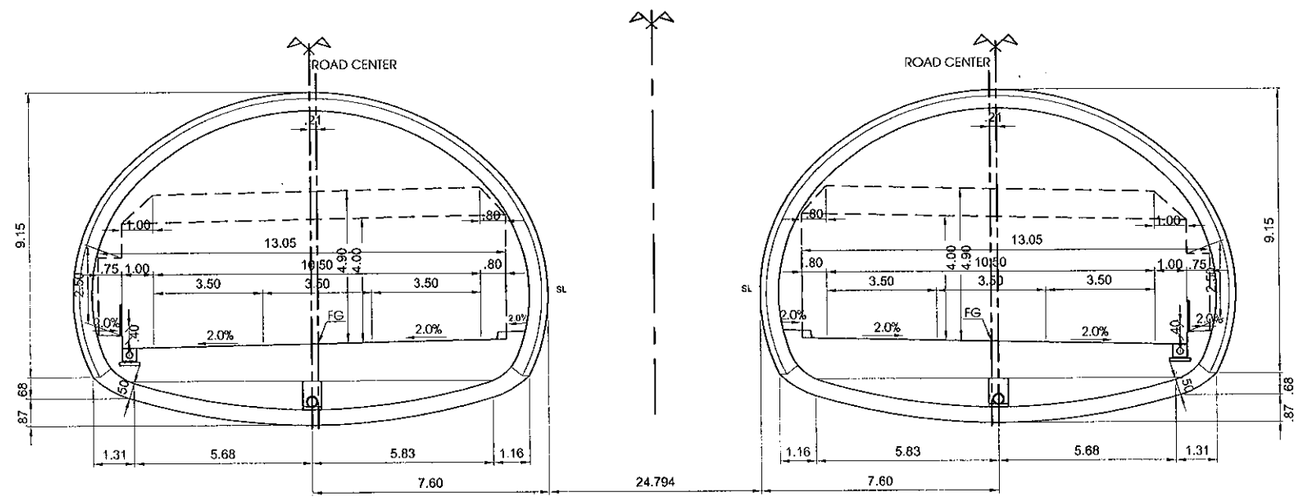
NOTES: ALL DIMENTIONS ARE IN MILLIMETTER UNLESS OTHERWISE INDICATED.

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE M-13, M-14) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI M-13, M-14)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO		
				SIGNATURE				SCALE	DRAWING NO. / REV. NO.
				DATE				1/200	BD-RW-TY-070 / 2

TYPE M-15: TUNNEL (INITIAL)



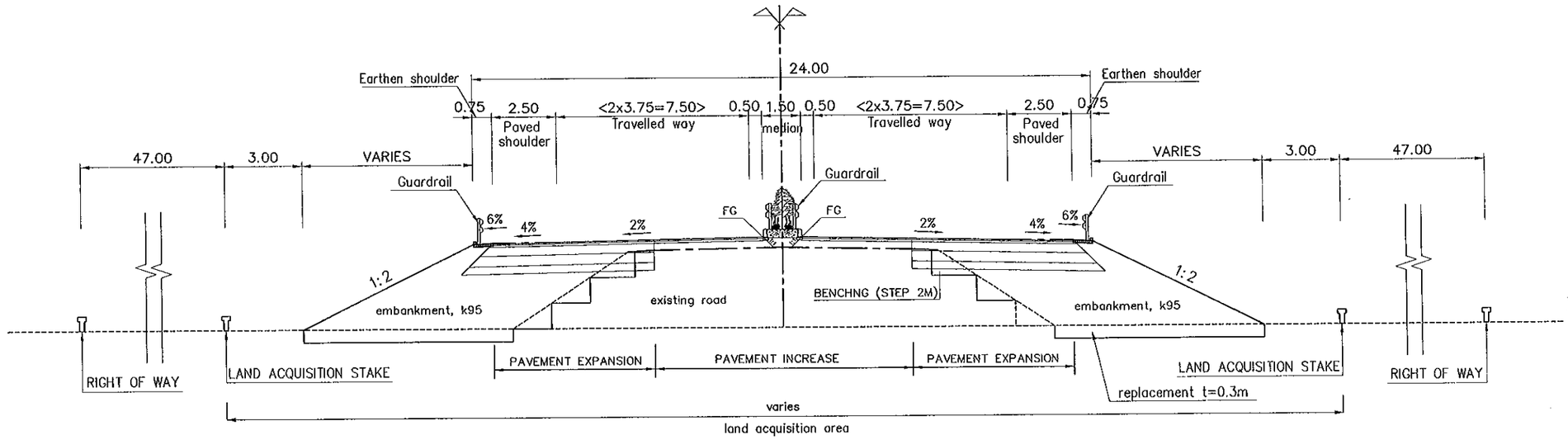
TYPE M-16: TUNNEL (ULTIMATE)



NOTES: ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE M-15, M-16) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI M-15, M-16)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO		
				SIGNATURE				SCALE: 1/200	DRAWING NO.: BD-RW-TY-080	REV. NO.: 2
				DATE					

TYPE M-17: DA NANG BYPASS



NOTES:

1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.
2. ALL DETAILED STRUCTURES REFER TO OTHER DRAWINGS.

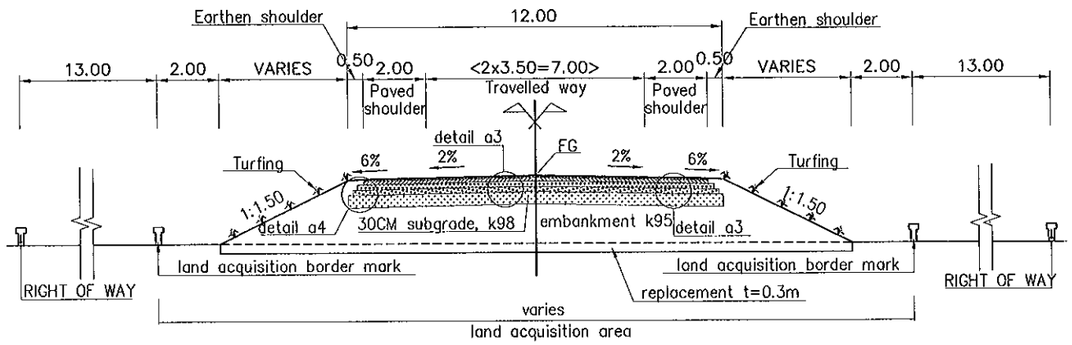
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Basic Design

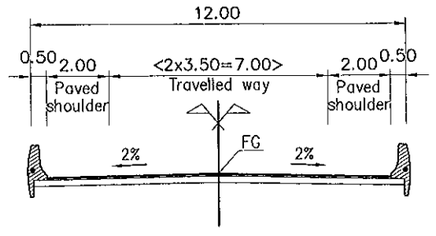
	PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE M-17) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI M-17)		
NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO	SCALE	DRAWING NO.	REV. NO.
SIGNATURE				1/200	BD-RW-TY-090	2
DATE						

TYPICAL CROSS SECTION OF LINKING ROAD (L SERIES)

TYPE L-01: EMBANKMENT



TYPE L-02: BRIDGE



NOTES:

1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.
2. ALL DETAILED STRUCTURES REFER TO OTHER DRAWINGS.

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

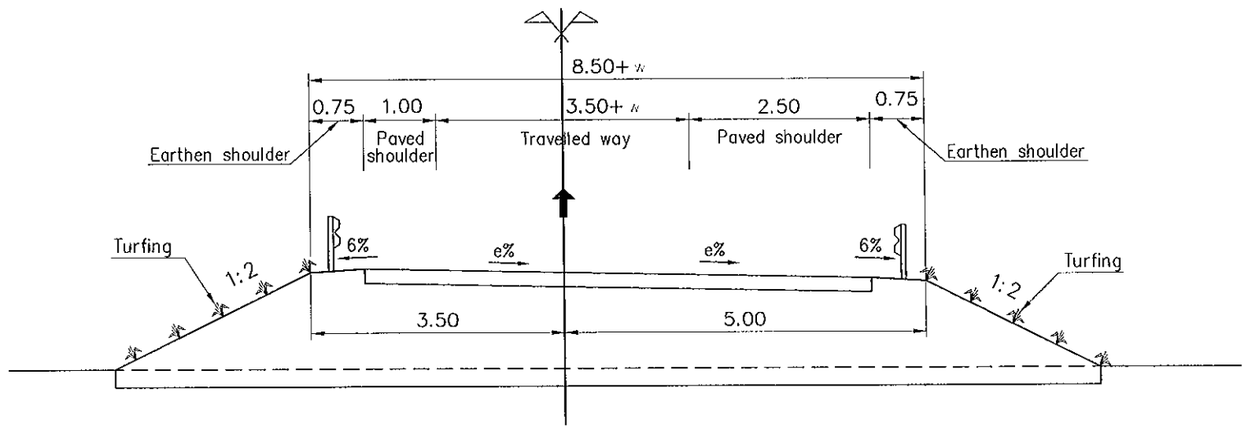
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Basic Design

	PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE L-01, L-02) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI L-01, L-02)		
NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/200	BD-RW-TY-100	2

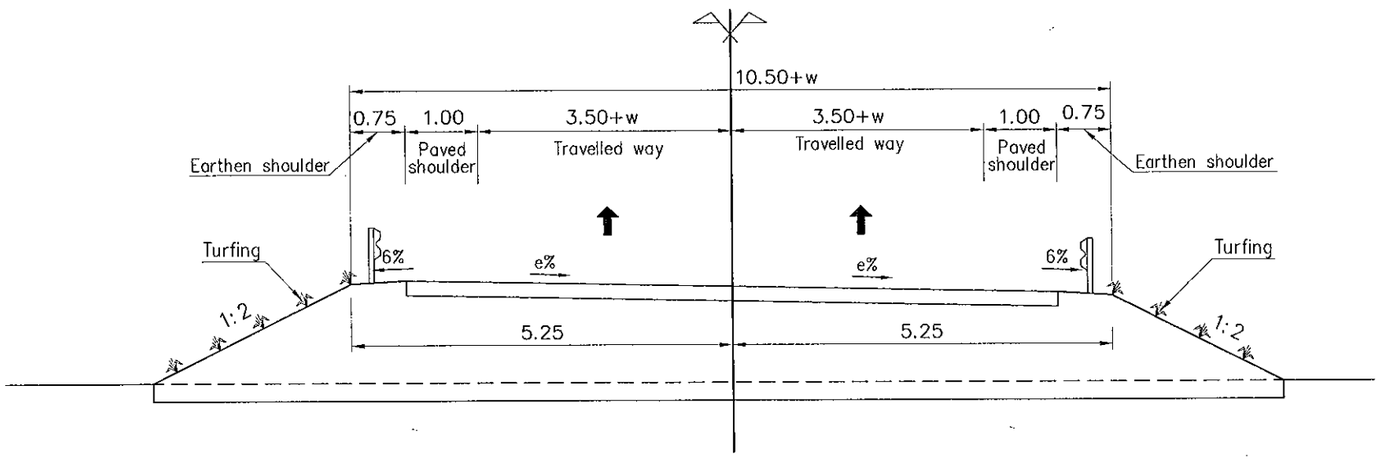
C2. TYPICAL CROSS SECTION OF RAMP WAY
C2. MẶT CẮT NGANG ĐIỂN HÌNH ĐƯỜNG NHÁNH NÚT GIAO

TYPICAL CROSS SECTION OF INTERCHANGE RAMPWAY (R SERIES)

TYPE R-01: ONE DIRECTION ONE LANE



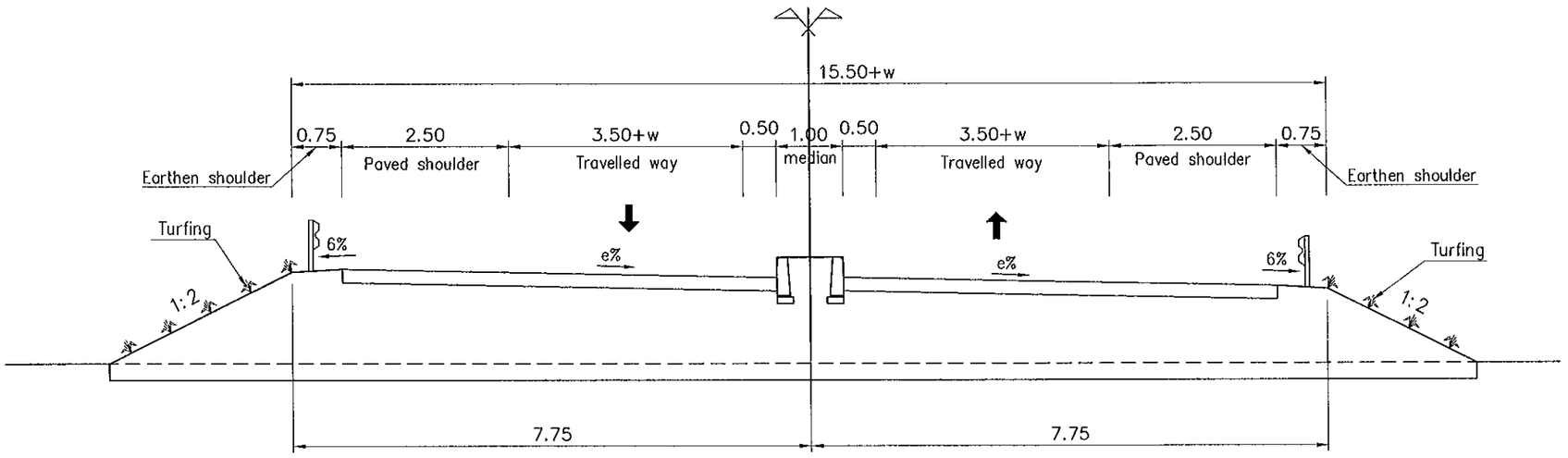
TYPE R-02: ONE DIRECTION TWO LANE



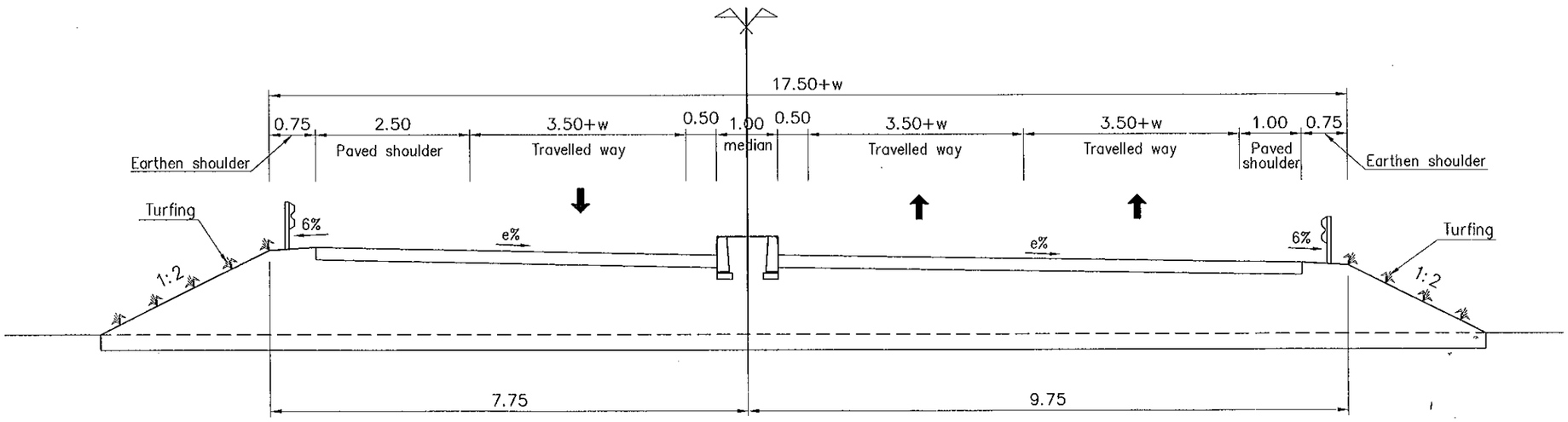
1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE R-01, R-02) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI R-01, R-02)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO	SCALE	DRAWING NO. / REV. NO.
				SIGNATURE				1/200	BD-RW-TY-110 / 2
				DATE					

TYPE R-03: TWO DIRECTION TWO LANE



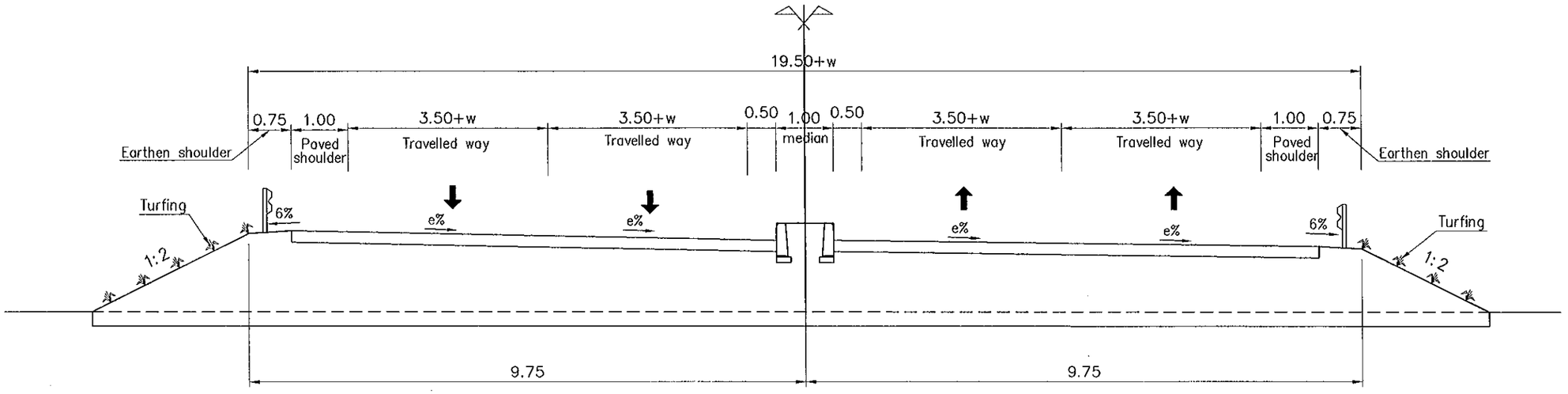
TYPE R-04: TWO DIRECTION ONE LANE AND TWO LANE



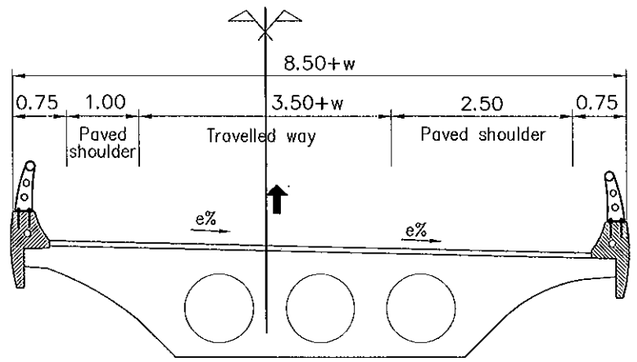
1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE R-03, R-04) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI R-03, R-04)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO	SCALE: 1/200	DRAWING NO.: BD-RW-TY-120 / REV. NO.: 2
				SIGNATURE					
				DATE					

TYPE R-05: TWO DIRECTION TWO LANE



TYPE R-06: ONE DIRECTION ONE LANE (BRIDGE)



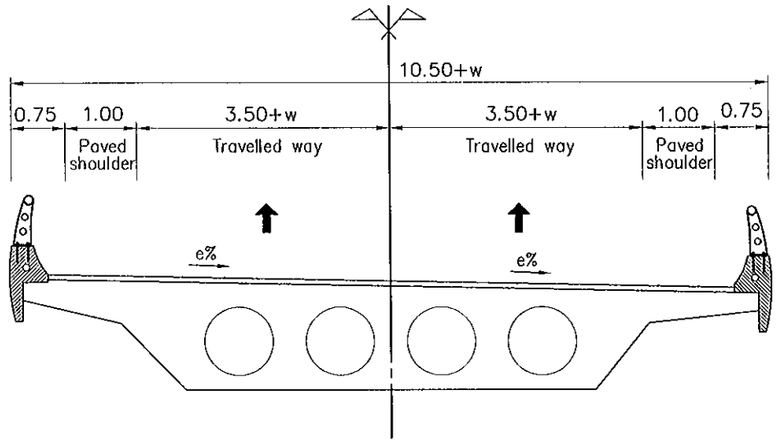
1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

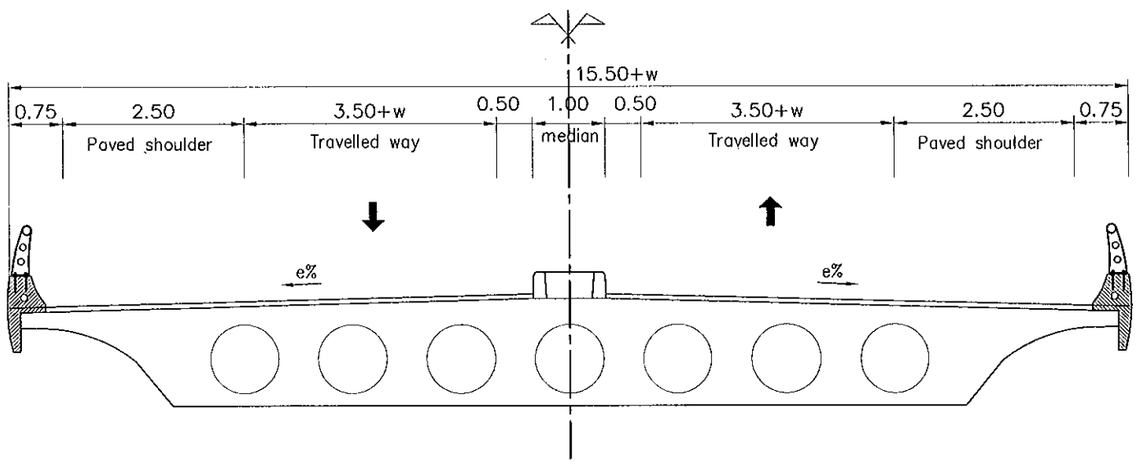
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Basic Design

	PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE R-05, R-06) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI R-05, R-06)		
NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/200	BD-RW-TY-130	2

TYPE R-07: ONE DIRECTION TWO LANE (BRIDGE)



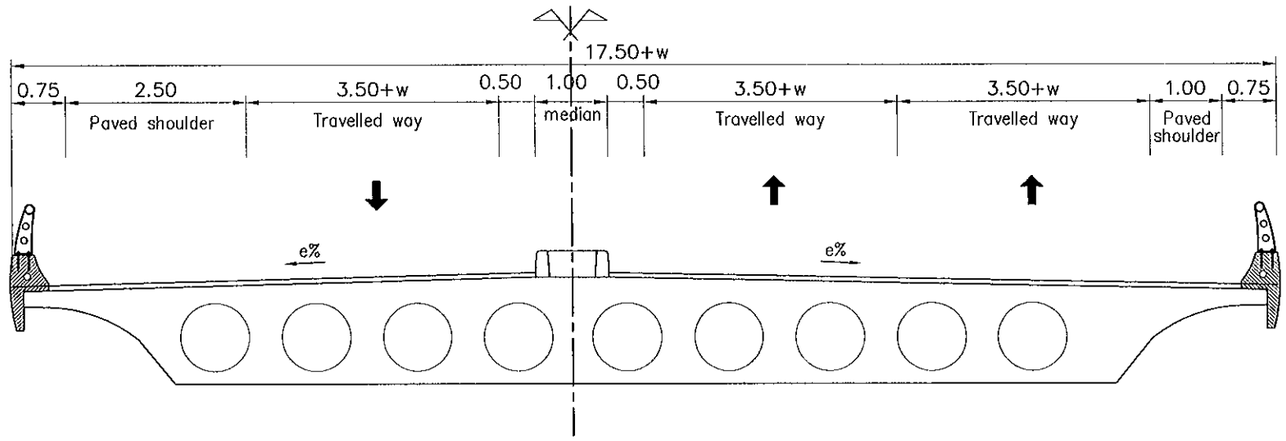
TYPE R-08: TWO DIRECTION TWO LANE (BRIDGE)



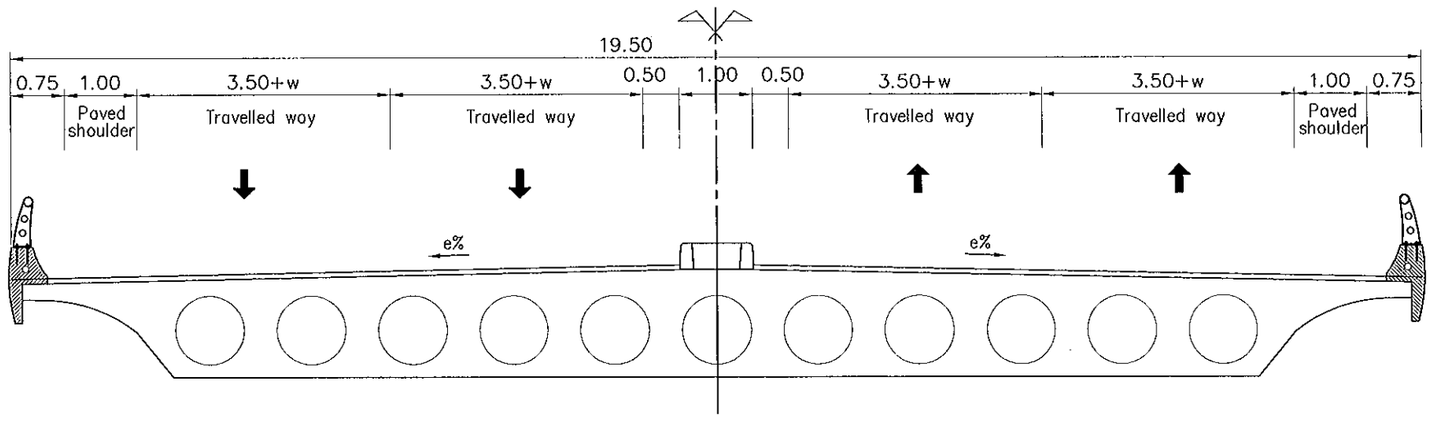
1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE R-07, R-08) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI R-07, R-08)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO	SCALE	DRAWING NO. / REV. NO.
				SIGNATURE				1/200	BD-RW-TY-140 / 2
				DATE					

TYPE R-09: TWO DIRECTION ONE LANE AND TWO LANE (BRIDGE)



TYPE R-10: TWO DIRECTION TWO LANE (BRIDGE)



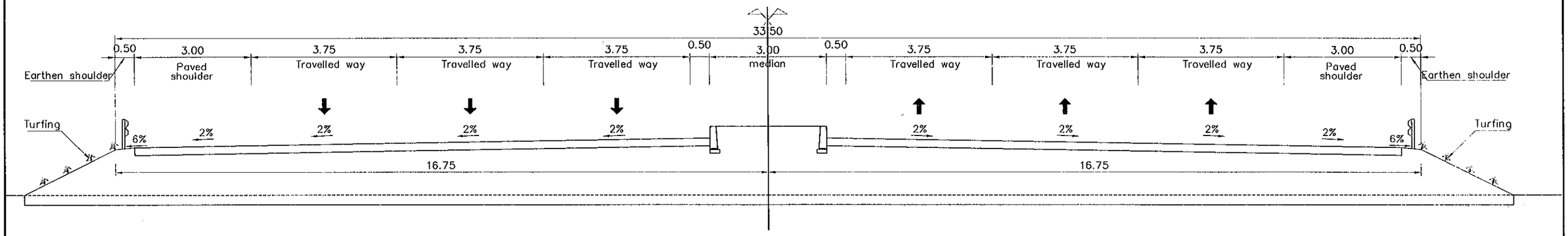
1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE R-09, R-10) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI R-09, R-10)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO	SCALE	DRAWING NO. / REV. NO.
				SIGNATURE				1/200	BD-RW-TY-150 / 2
				DATE					

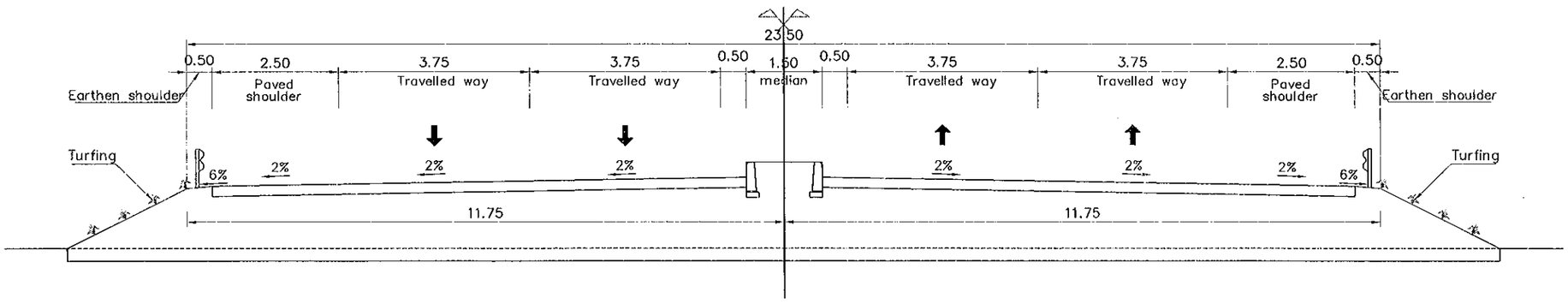
C3. TYPICAL CROSS SECTION OF CROSS ROAD
C3. MẶT CẮT NGANG ĐIỂN HÌNH ĐƯỜNG NGANG

TYPICAL CROSS SECTION OF CROSS ROAD (X SERIES)

TYPE X-RD-01: CLASSIFICATION I



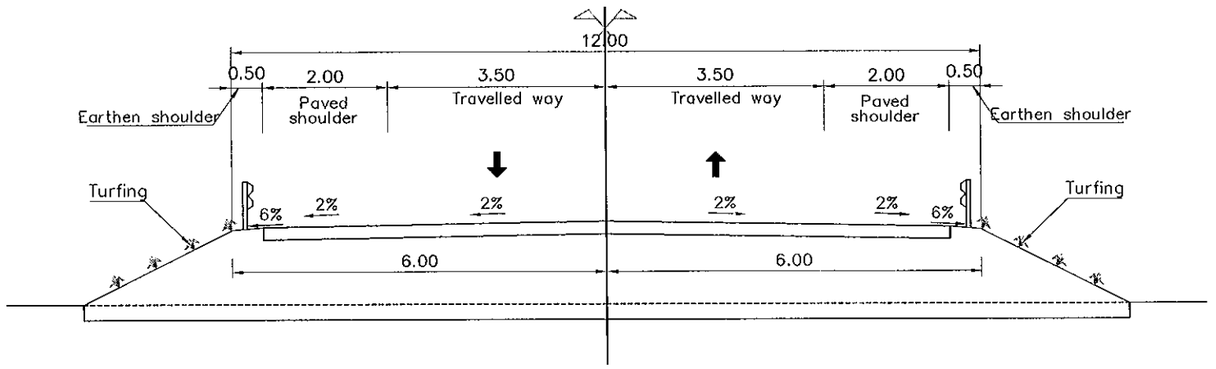
TYPE X-RD-02: CLASSIFICATION II



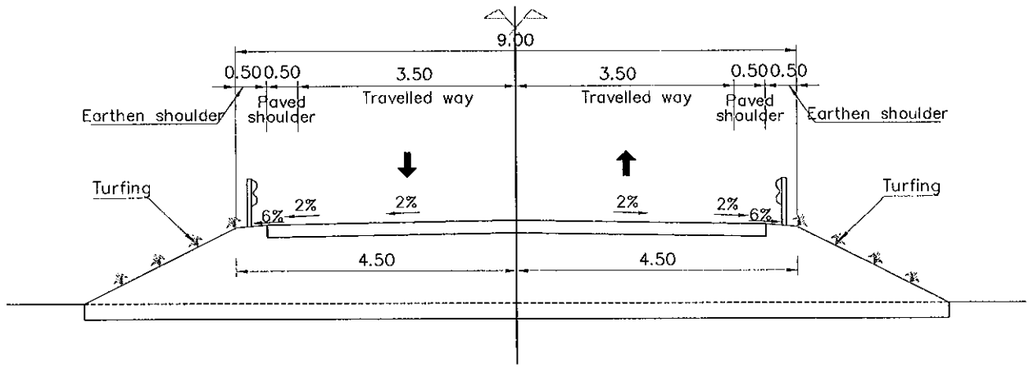
1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE X-RD-01, X-RD-02) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI X-RD-01, X-RD-02)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	P.V. HUNG	T.NAGAI	I.ISHIMOTO		
				SIGNATURE				SCALE: 1/100	DRAWING NO.: BD-RW-TY-160	REV. NO.: 2
				DATE					

TYPE X-RD-03: CLASSIFICATION III



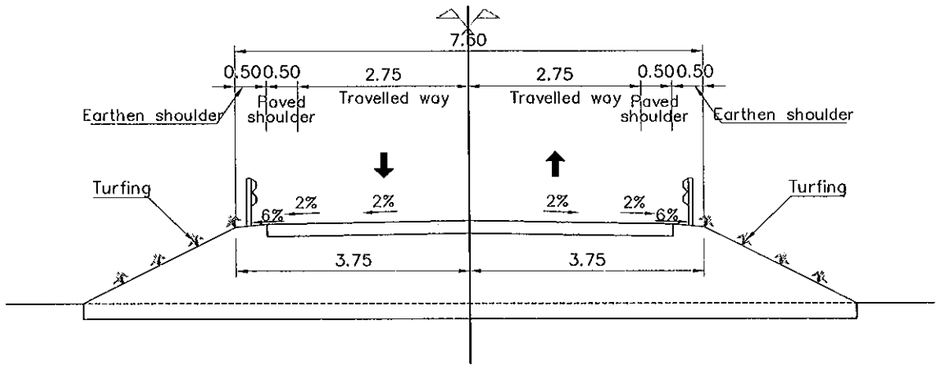
TYPE X-RD-04: CLASSIFICATION IV



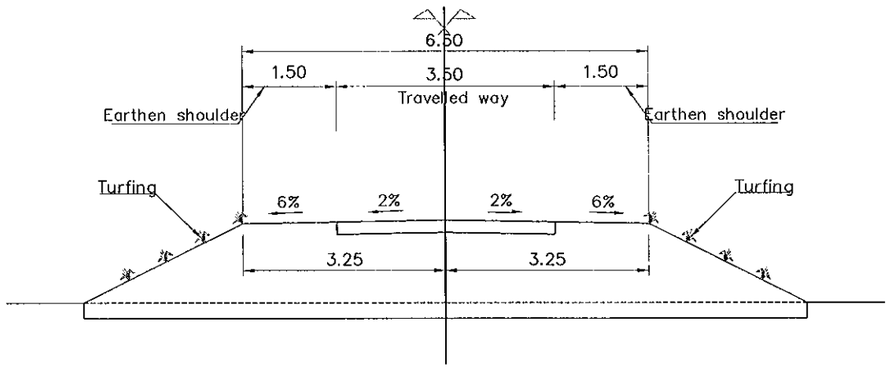
1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE X-RD-03, X-RD-04) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI X-RD-03, X-RD-04)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO		
				SIGNATURE				SCALE	DRAWING NO. / REV. NO.
				DATE				1/100	BD-RW-TY-170 / 2

TYPE X-RD-05: CLASSIFICATION V



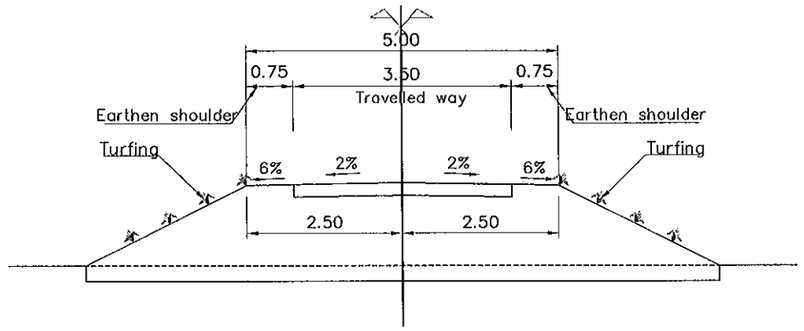
TYPE X-RD-06: CLASSIFICATION VI(AH)



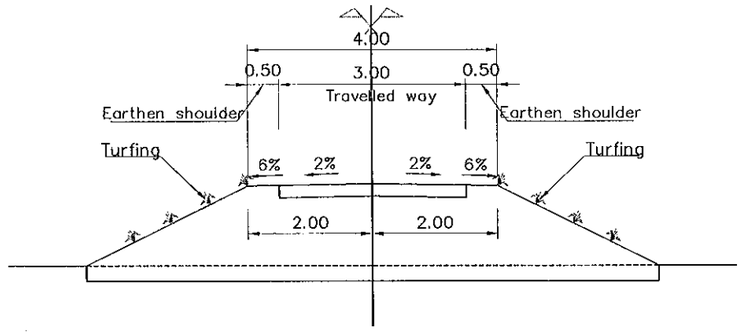
1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS.	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE X-RD-05, X-RD-06) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI X-RD-05, X-RD-06)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO		
				SIGNATURE				SCALE: 1/100	DRAWING NO.: BD-RW-TY-180	REV. NO.: 2
				DATE					

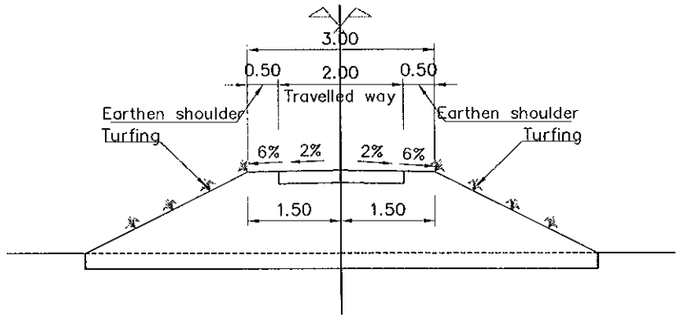
TYPE X-RD-07: CLASSIFICATION A



TYPE X-RD-08: CLASSIFICATION B



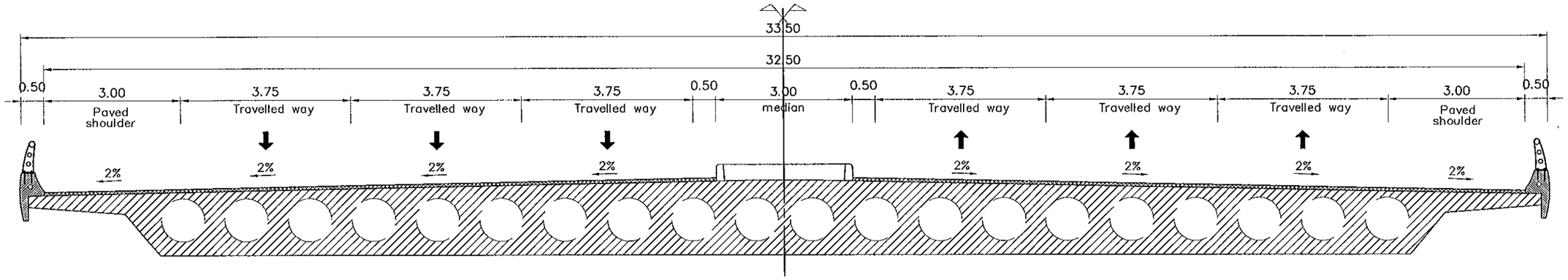
TYPE X-RD-09: CLASSIFICATION C



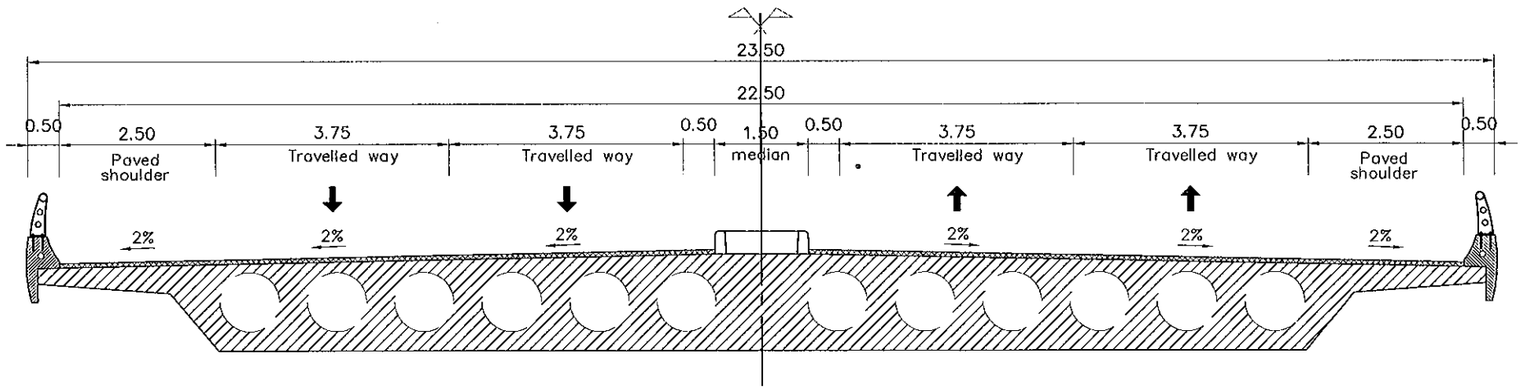
1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE X-RD-07, X-RD-08, X-RD-09) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI X-RD-07, X-RD-08, X-RD-09)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO		
				SIGNATURE				SCALE: 1/100	DRAWING NO.: BD-RW-TY-190 / REV. NO.: 2
				DATE					

TYPE X-BR-01: CLASSIFICATION I (FLYOVER)



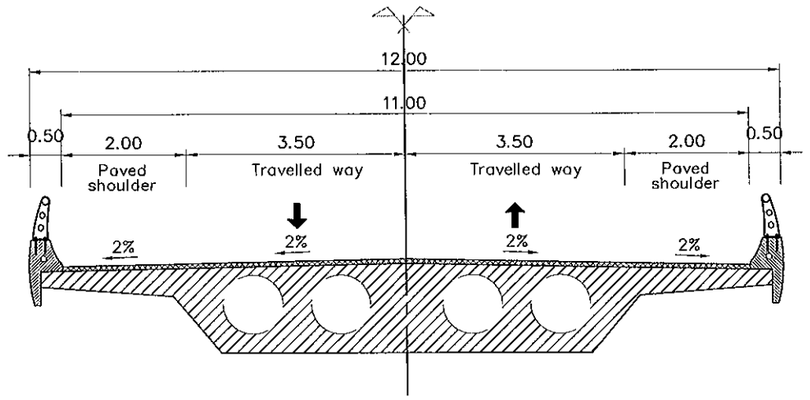
TYPE X-BR-02: CLASSIFICATION II (FLYOVER)



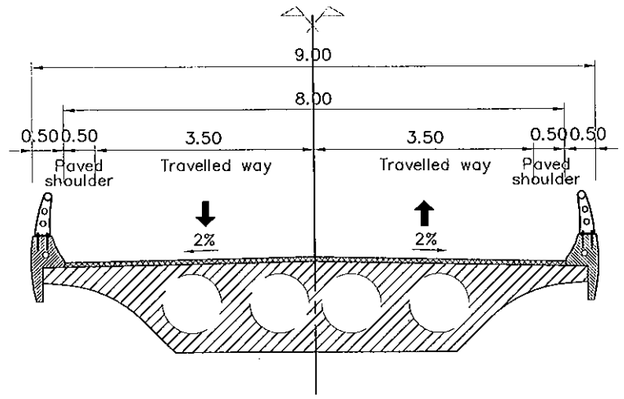
1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE X-BR-01, X-BR-02) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI X-BR-01, X-BR-02)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO	SCALE	DRAWING NO. / REV. NO.
				SIGNATURE				1/100	BD-RW-TY-200 / 2
				DATE					

TYPE X-BR-03: CLASSIFICATION III (FLYOVER)



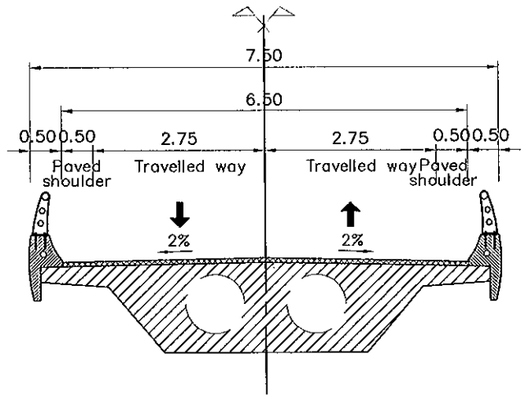
TYPE X-BR-04: CLASSIFICATION IV (FLYOVER)



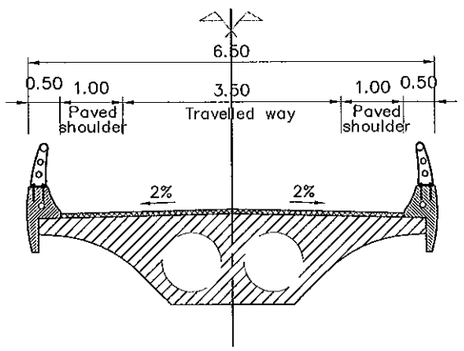
1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE X-BR-03, X-BR-04) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI X-BR-03, X-BR-04)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO	SCALE	DRAWING NO. / REV. NO.
				SIGNATURE				1/100	BD-RW-TY-210 / 2
				DATE					

TYPE X-BR-05: CLASSIFICATION V (FLYOVER)



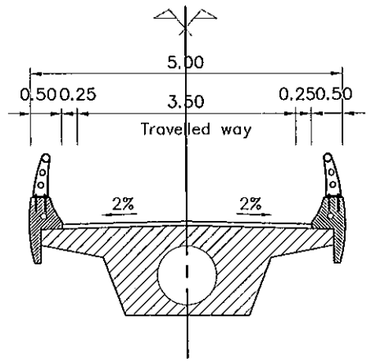
TYPE X-BR-06: CLASSIFICATION VI-AH (FLYOVER)



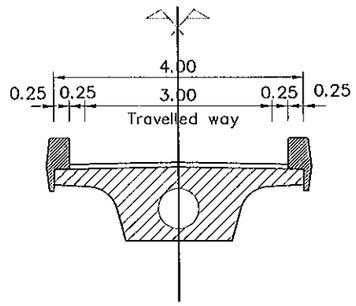
1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE X-BR-05, X-BR-06) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI X-BR-05, X-BR-06)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO	SCALE	DRAWING NO. / REV. NO.
				SIGNATURE				1/100	BD-RW-TY-220 / 2
				DATE					

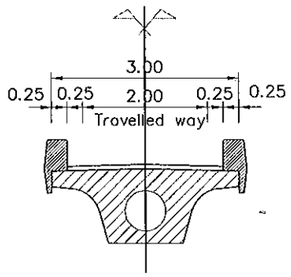
TYPE X-BR-07: CLASSIFICATION A (FLYOVER)



TYPE X-BR-08: CLASSIFICATION B (FLYOVER)



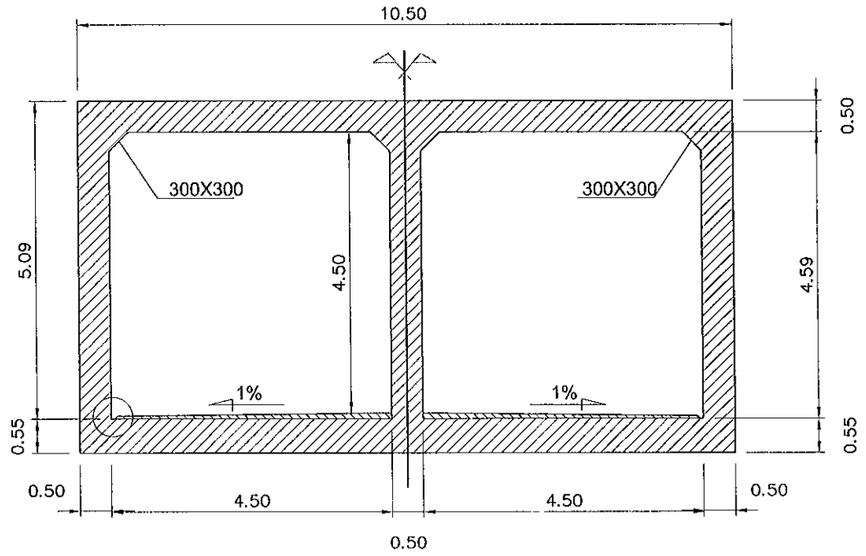
TYPE X-BR-09: CLASSIFICATION C (FLYOVER)



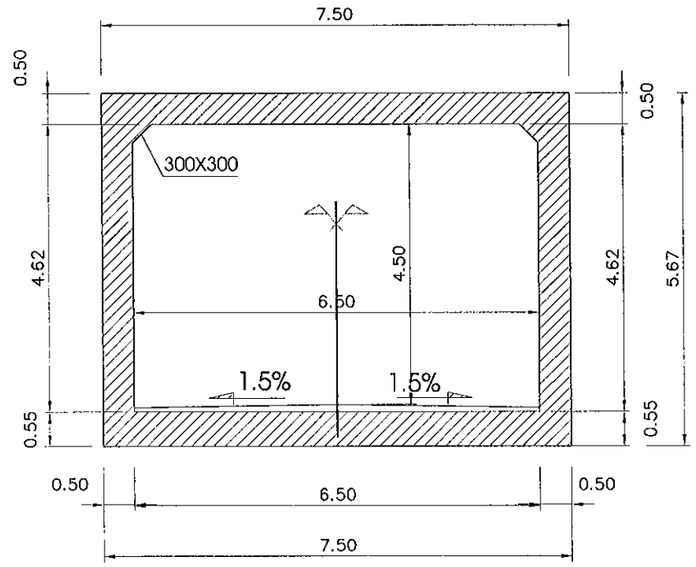
1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design					
					PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE X-BR-07, X-BR-08, X-BR-09) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI X-BR-07, X-BR-08, X-BR-09)	
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.		NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO		
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			SIGNATURE				SCALE	DRAWING NO. / REV. NO.
				DATE				1/100	BD-RW-TY-230 / 2

TYPE X-BOX-01: CLASSIFICATION IV (CULVERT)



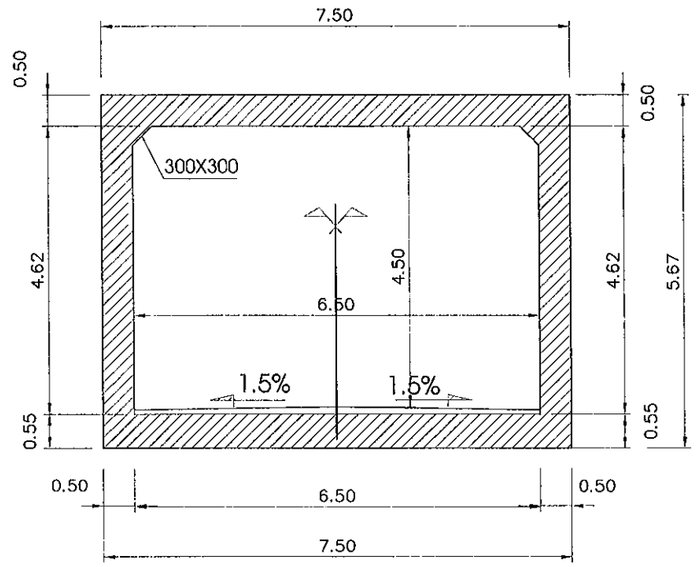
TYPE X-BOX-02: CLASSIFICATION V (CULVERT)



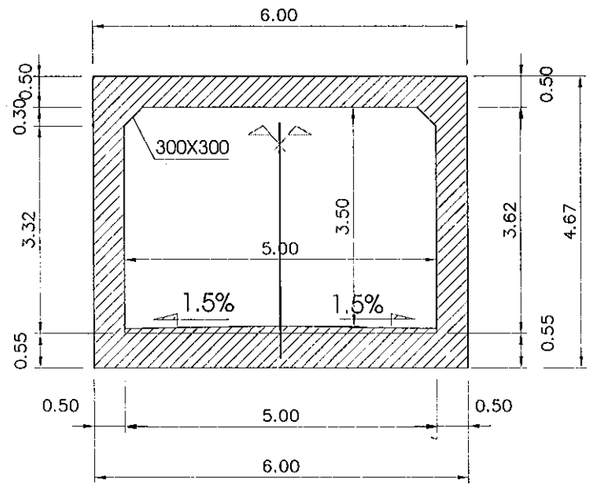
1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design				
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE X-BOX-01, X-BOX-02) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI X-BOX-01, X-BOX-02)
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO	
				SIGNATURE				SCALE: 1/100 · DRAWING NO.: BD-RW-TY-240 · REV. NO.: 2
				DATE				

TYPE X-BOX-03: CLASSIFICATION VI-AH (CULVERT)



TYPE X-BOX-04: CLASSIFICATION A (CULVERT)



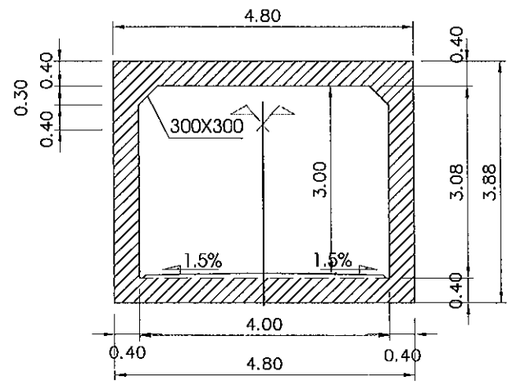
1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

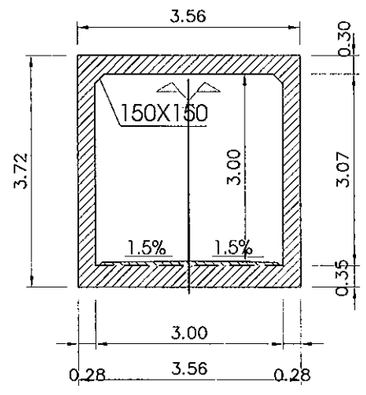
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Basic Design

	PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE X-BOX-03, X-BOX-04) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI X-BOX-03, X-BOX-04)		
NAME	P.V. HUNG	T.NAGAI	I. ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/100	BD-RW-TY-250	2

TYPE X-BOX-05: CLASSIFICATION B (CULVERT)



TYPE X-BOX-06: CLASSIFICATION C (CULVERT)



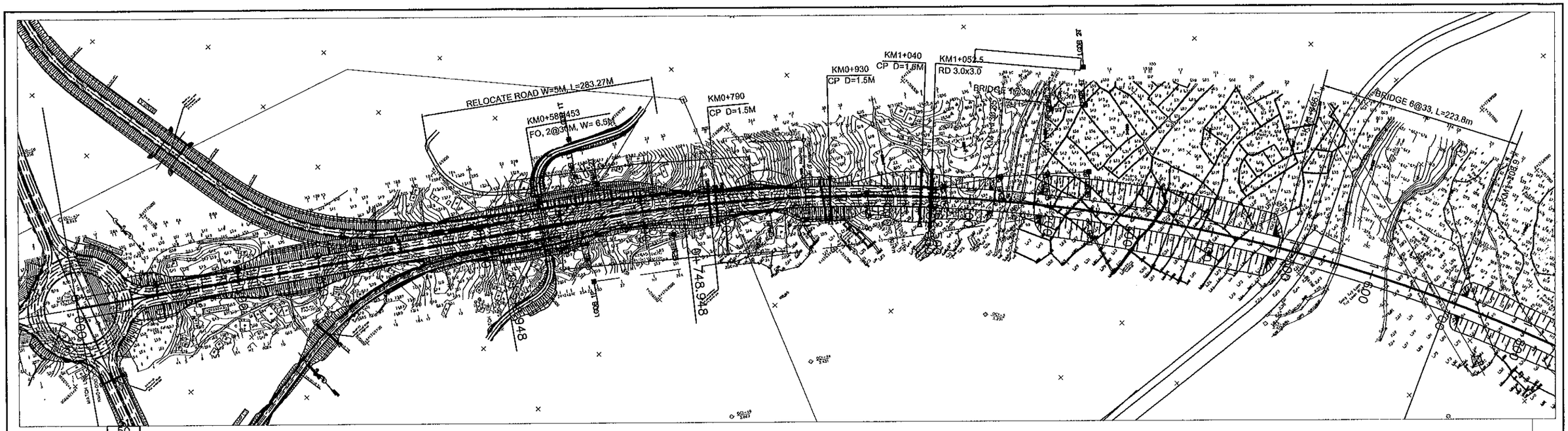
1. ALL DIMENTIONS ARE IN METTER UNLESS OTHERWISE INDICATED.

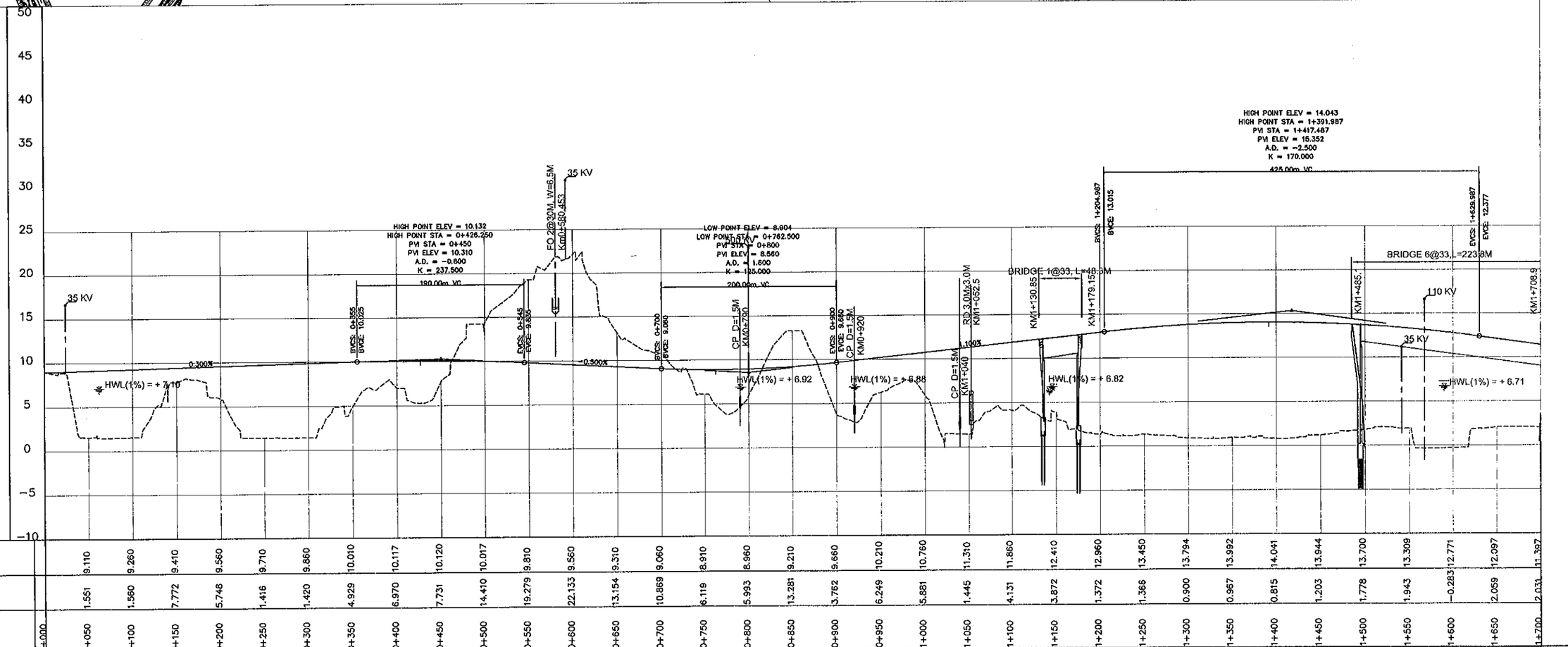
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Basic Design					
					PREPARED BY	CHECKED BY	APPROVED BY	TYPICAL CROSS SECTION (TYPE X-BOX-05, X-BOX-06) MẶT CẮT NGANG ĐIỂN HÌNH (LOẠI X-BOX-05, X-BOX-06)	
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.		NAME	P.V. HÙNG	T.NAGAI	I. ISHIMOTO		
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			SIGNATURE				SCALE: 1/100	DRAWING NO.: BD-RW-TY-260	REV. NO.: 2
				DATE					

D. PLAN AND PROFILE
D. MẶT BẰNG – TRẮC DỌC

D1. PLAN AND PROFILE OF THRUWAY
D1. MẶT BẰNG – TRẮC DỌC TUYẾN CHÍNH

D1-1. PACKAGE 1
D1-1. GÓI THẦU 1





STATION	EXISTING GROUND	FINISHED GRADE
0+000	1.551	9.110
0+050	1.560	9.260
0+100	7.772	9.410
0+150	5.748	9.560
0+200	1.416	9.710
0+250	1.420	9.860
0+300	4.929	10.010
0+350	6.970	10.117
0+400	7.731	10.120
0+450	14.410	10.017
0+500	19.279	9.810
0+550	22.133	9.560
0+600	13.154	9.310
0+650	10.869	9.060
0+700	6.119	8.910
0+750	5.993	8.960
0+800	13.281	9.210
0+850	3.762	9.660
0+900	6.249	10.210
0+950	5.881	10.760
1+000	1.445	11.310
1+050	4.131	11.860
1+100	3.872	12.410
1+150	1.372	12.960
1+200	1.366	13.450
1+250	0.300	13.794
1+300	0.967	13.992
1+350	0.815	14.041
1+400	1.203	13.944
1+450	1.778	13.700
1+500	1.943	13.309
1+550	−0.283	12.771
1+600	2.059	12.097
1+650	2.031	11.397
1+700		

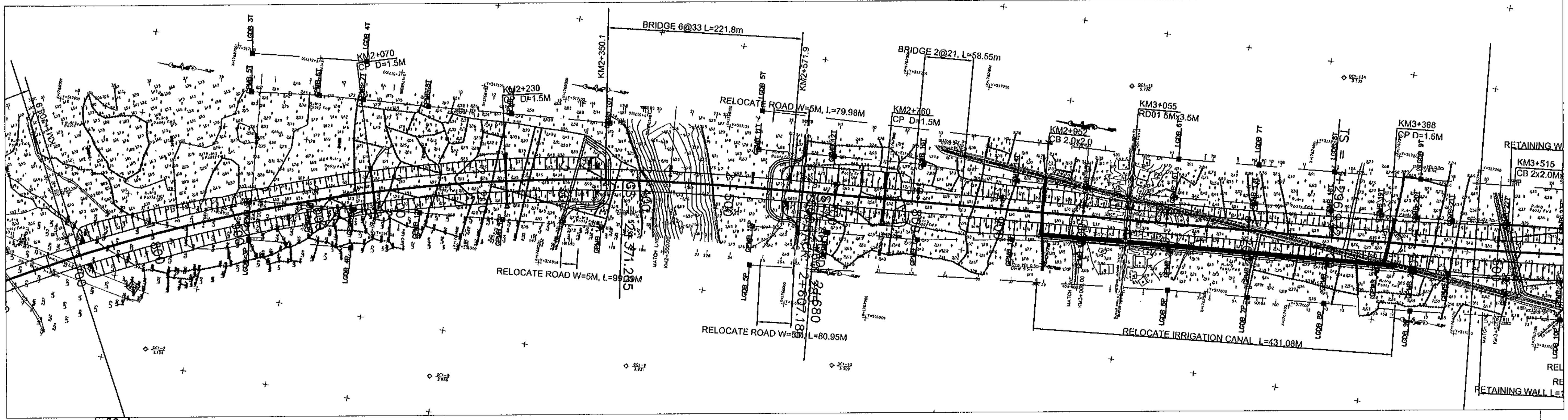
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

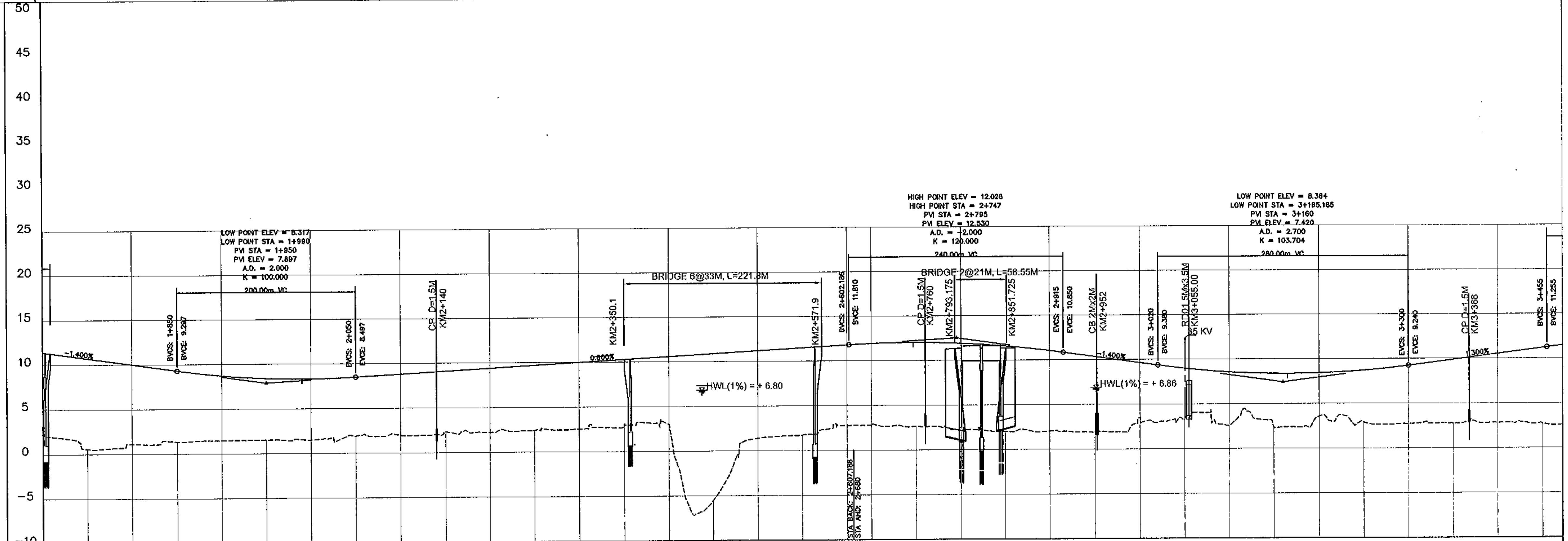
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 1 Station: Km0+000 - Km8+000

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HOANG DUC CHAU	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 0+00.00 -:- 8+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 0+00.00 -:- 8+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG1-BD-PP-010	3





STATION	FINISHED GRADE	EXISTING GROUND
1+700	11.397	2.031
1+750	10.697	0.589
1+800	9.997	1.131
1+850	9.297	1.341
1+900	8.722	1.482
1+950	8.397	1.517
2+000	8.322	1.501
2+050	8.497	1.907
2+100	8.797	1.967
2+150	9.097	2.314
2+200	9.397	2.245
2+250	9.697	2.417
2+300	9.997	2.546
2+350	10.297	2.921
2+400	10.597	3.004
2+450	10.897	−5.502
2+500	11.197	1.414
2+550	11.497	1.737
2+600	11.797	2.759
2+700	12.630	2.792
2+750	12.532	2.658
2+800	12.232	2.227
2+850	11.732	2.034
2+900	11.057	2.032
2+950	10.357	1.999
3+000	9.660	3.489
3+050	9.004	3.364
3+100	8.569	2.570
3+150	8.375	2.306
3+200	8.422	3.571
3+250	8.711	2.886
3+300	9.240	2.720
3+350	9.890	2.766
3+400	10.540	2.820

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

REMARKS:

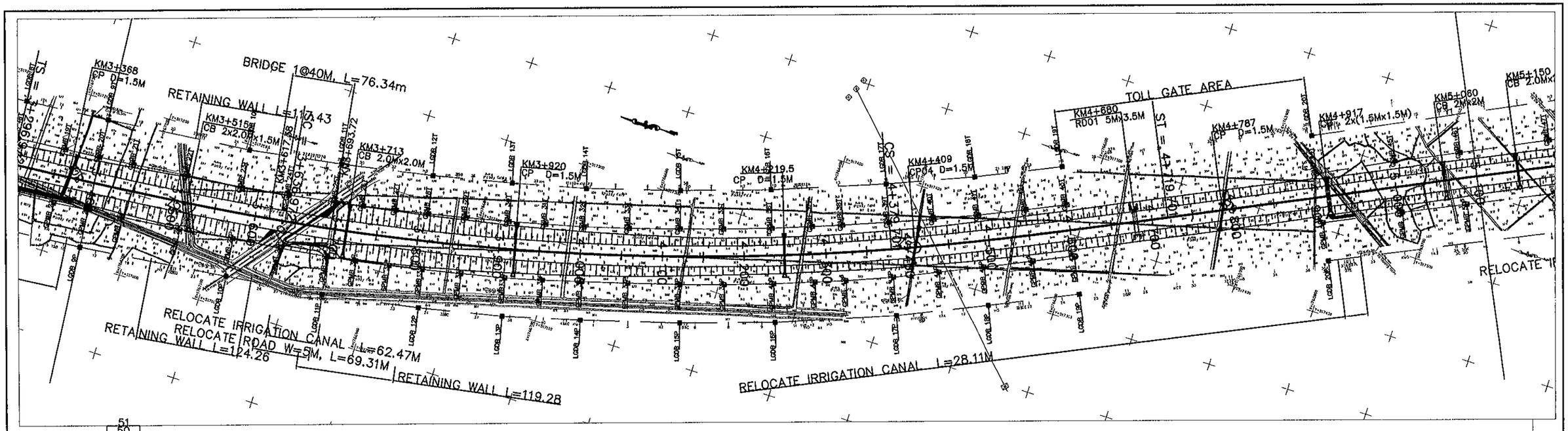
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

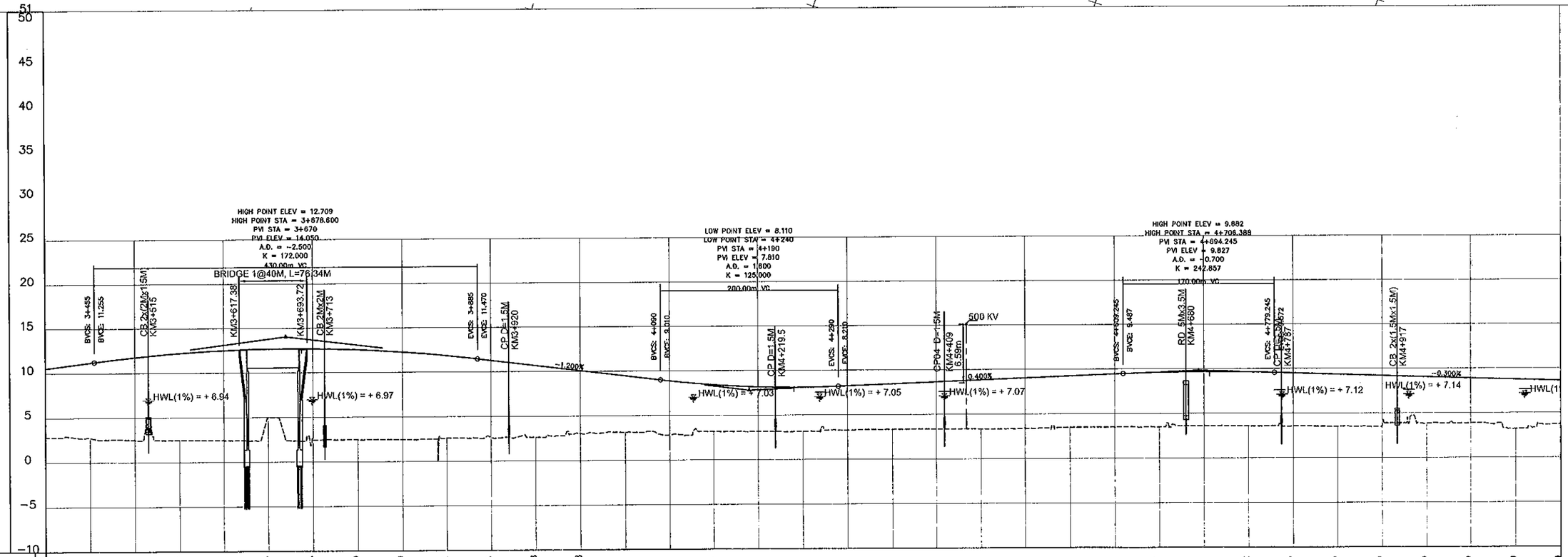
Package: 1 Station: Km0+000 - Km8+000

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HOANG DUC CHAU	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	(signed)	(signed)	(signed)
DATE			

PLAN AND PROFILE: STA 0+00.00 -:- 8+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 0+00.00 -:- 8+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG1-BD-PP-020	3





STATION	EXISTING GROUND	FINISHED GRADE
3+400	2.820	10.540
3+450	2.743	11.190
3+500	2.507	11.781
3+550	2.465	12.228
3+600	2.420	12.529
3+650	5.008	12.685
3+700	2.440	12.695
3+750	2.446	12.560
3+800	2.450	12.279
3+850	2.572	11.852
3+900	2.649	11.288
3+950	2.642	10.688
4+000	3.037	10.088
4+050	3.108	9.488
4+100	2.822	8.892
4+150	3.182	8.433
4+200	3.179	8.174
4+250	3.161	8.114
4+300	3.271	8.251
4+350	3.335	8.451
4+400	3.372	8.651
4+450	3.351	8.851
4+500	3.400	9.051
4+550	3.487	9.251
4+600	3.481	9.451
4+650	3.476	9.617
4+700	3.619	9.681
4+750	3.564	9.642
4+800	3.550	9.509
4+850	3.520	9.359
4+900	3.821	9.209
4+950	3.822	9.059
5+000	3.871	8.909
5+050	3.214	8.759
5+100	3.709	8.609

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

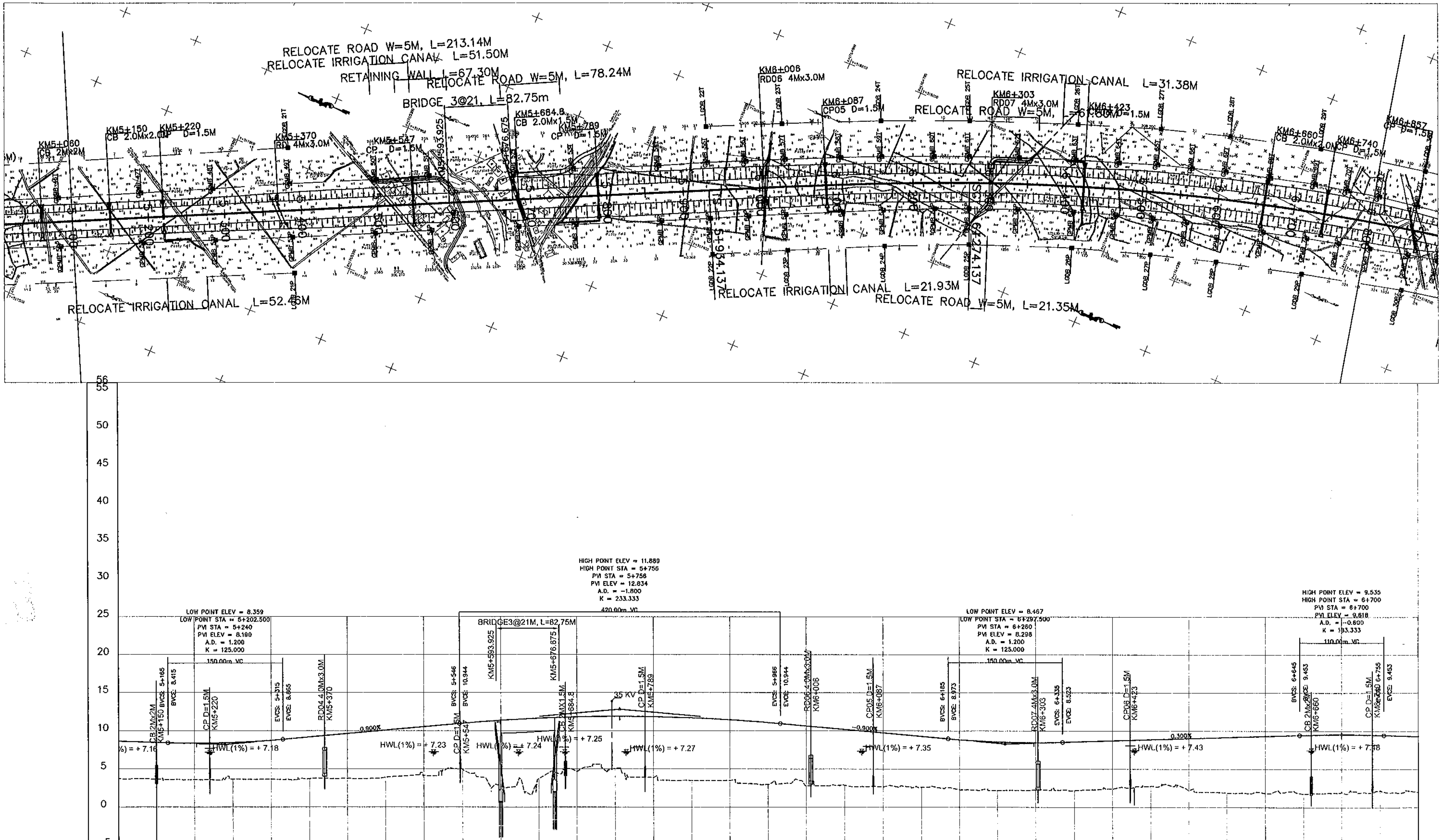
REMARKS:

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 1 Station: Km0+000 - Km8+000

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HOANG DUC CHAU	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 0+00.00 -:- 8+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 0+00.00 -:- 8+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG1-BD-PP-030	3



STATION	5+100	5+150	5+200	5+250	5+300	5+350	5+400	5+450	5+500	5+550	5+600	5+650
FINISHED GRADE	8.609	8.459	8.359	8.450	8.741	9.182	9.632	10.082	10.532	10.982	11.369	11.649
EXISTING GROUND	3.709	3.640	3.589	3.663	3.659	3.728	3.759	3.895	4.163	4.904	2.768	3.753

STATION	5+700	5+750	5+800	5+850	5+900	5+950	6+000	6+050	6+100	6+150	6+200	6+250
FINISHED GRADE	11.822	11.888	11.847	11.699	11.443	11.081	10.636	10.186	9.736	9.286	8.845	8.556
EXISTING GROUND	4.664	5.043	3.902	3.502	3.493	2.992	2.782	2.883	2.659	2.605	2.301	2.197

STATION	6+300	6+350	6+400	6+450	6+500	6+550	6+600	6+650	6+700	6+750	6+800
FINISHED GRADE	8.467	8.569	8.719	8.869	9.019	9.169	9.319	9.468	9.535	9.467	9.317
EXISTING GROUND	2.298	2.201	2.424	2.753	2.220	1.913	1.858	1.753	2.008	2.262	2.045

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

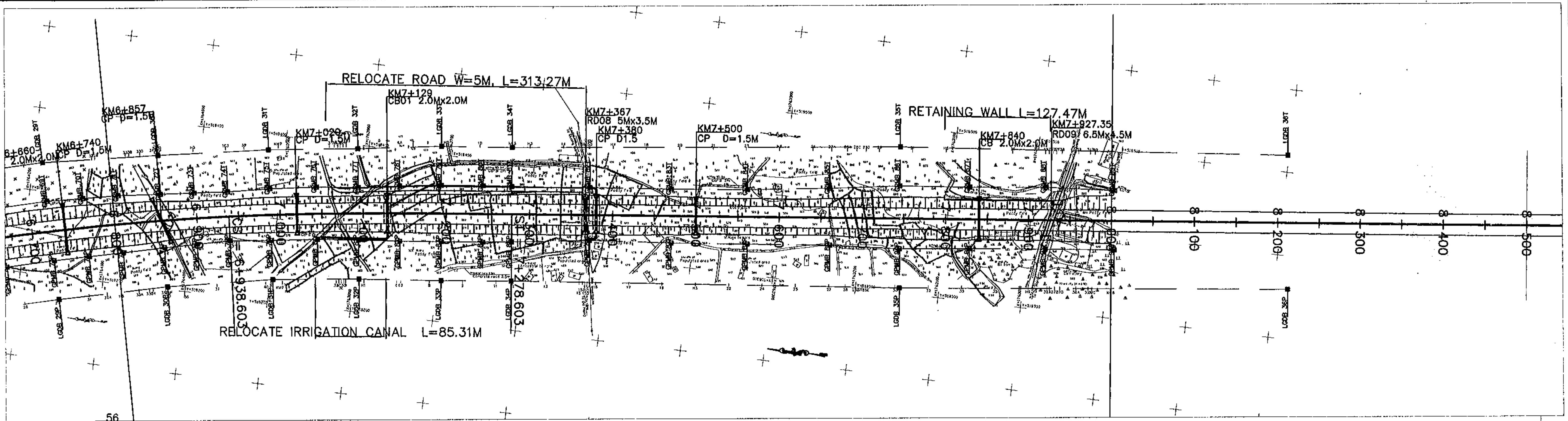
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

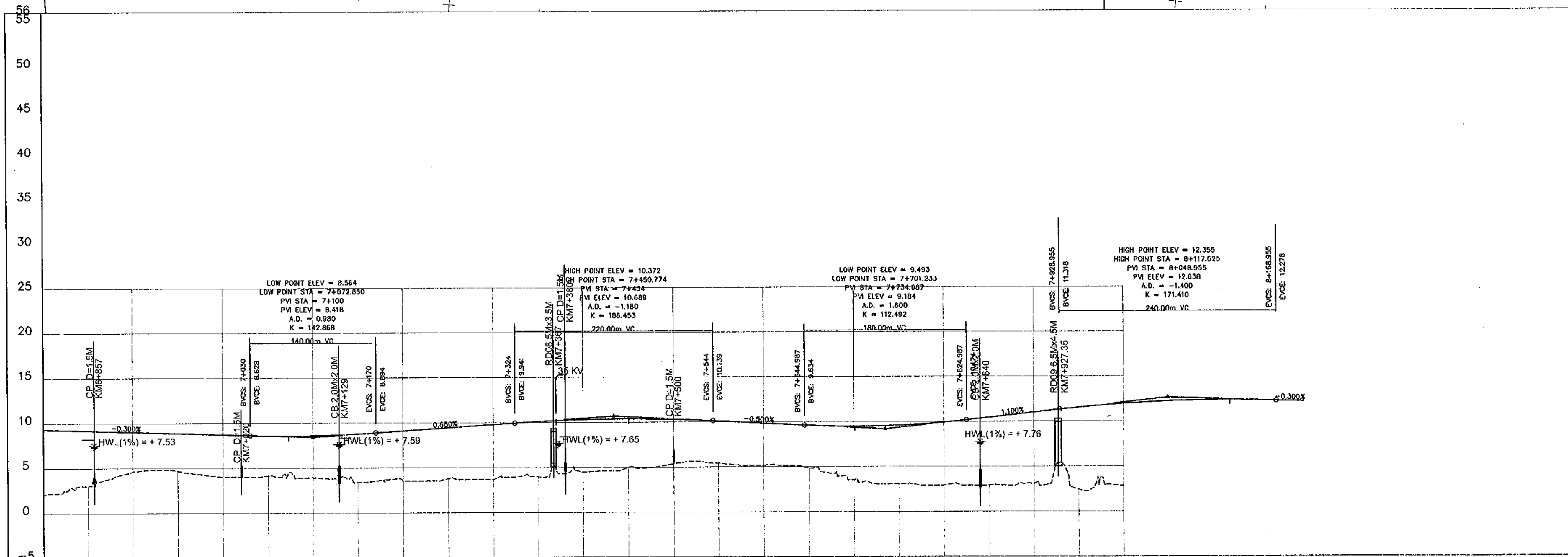
Package: 1 Station: Km0+000 - Km8+000

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HOANG DUC CHAU	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	(signature)	(signature)	(signature)
DATE			

PLAN AND PROFILE: STA 0+00.00 -:- 8+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 0+00.00 -:- 8+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG1-BD-PP-040	2





FINISHED GRADE	9.317	9.167	9.017	8.867	8.717	8.582	8.590	8.773	9.099	9.439	9.779	10.101	10.303
EXISTING GROUND	2.045	3.039	4.635	4.690	4.010	4.148	3.933	3.364	3.549	3.794	3.700	3.982	4.471
STATION	6+800	6+850	6+900	6+950	7+000	7+050	7+100	7+150	7+200	7+250	7+300	7+350	7+400

FINISHED GRADE	10.372	10.306	10.108	9.858	9.609	9.493	9.600	9.929	10.452	11.002	11.539	11.952
EXISTING GROUND	4.975	5.383	5.397	5.174	4.881	3.547	3.103	2.943	2.946	3.080	2.434	
STATION	7+450	7+500	7+550	7+600	7+650	7+700	7+750	7+800	7+850	7+900	7+950	8+000

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

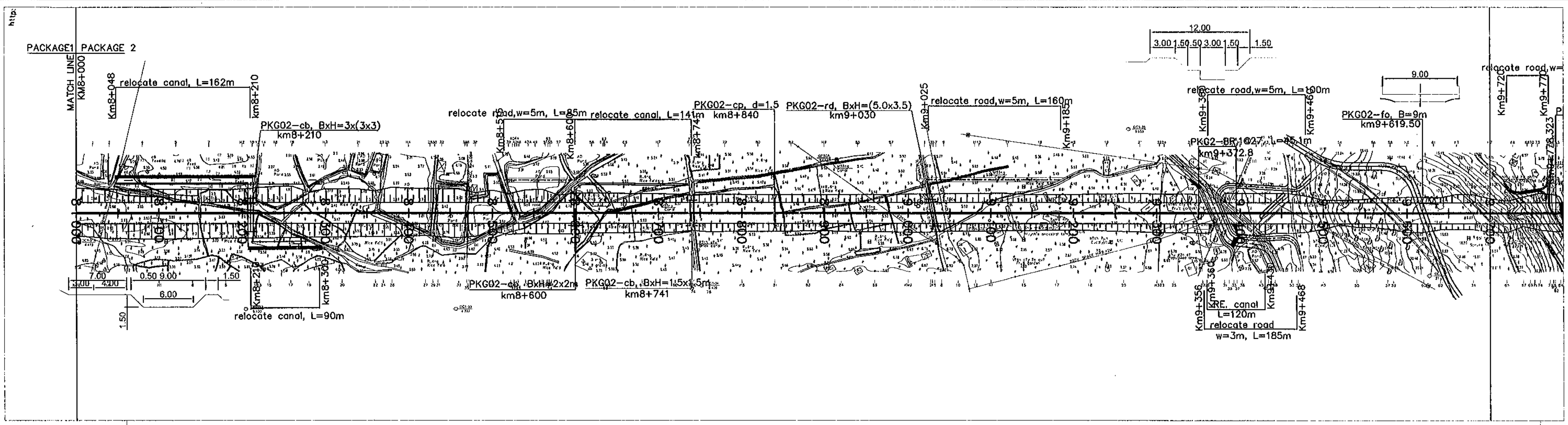
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 1 Station: Km0+000 - Km8+000

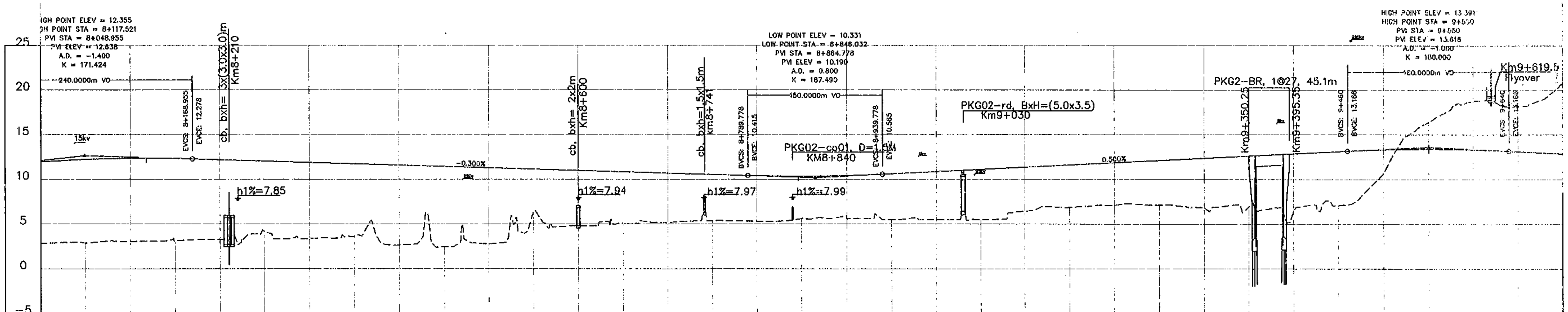
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HOANG DUC CHAU	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 0+00.00 -:- 8+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 0+00.00 -:- 8+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG1-BD-PP-050	2

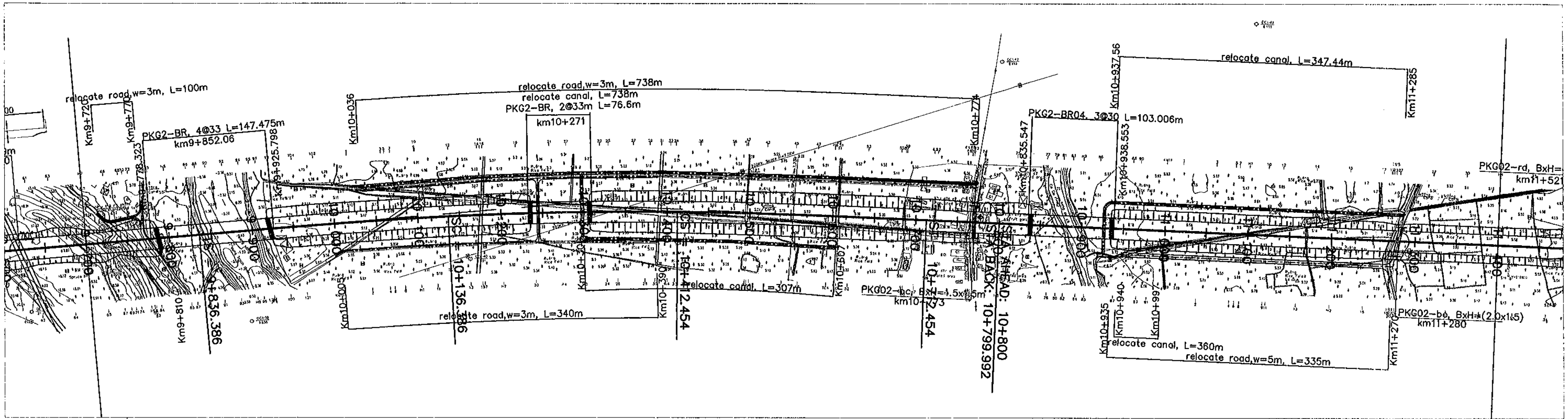
D1-2. PACKAGE 2
D1-2. GÓI THẦU 2

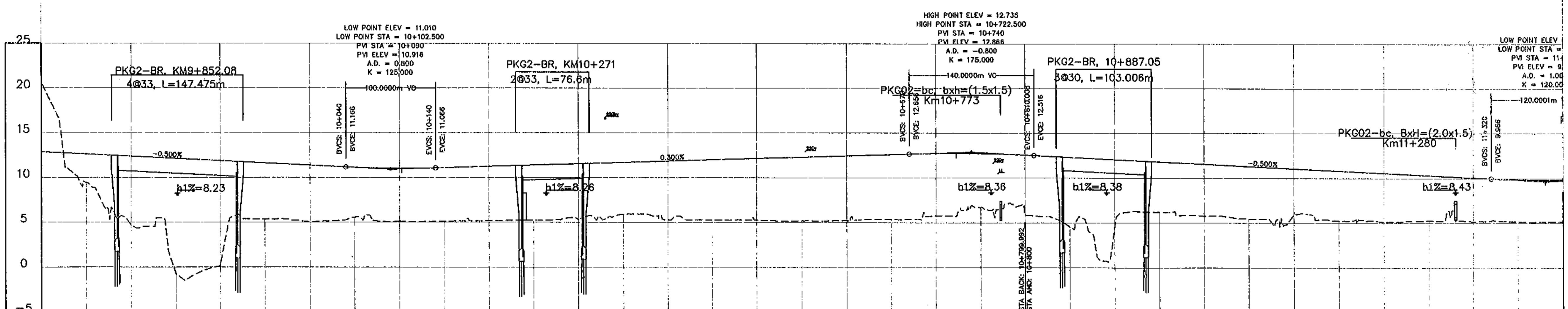




STATION	FINISHED GRADE	EXISTING GROUND
8+000	11.952	
8+050	12.222	2.878
8+100	12.346	3.049
8+150	12.324	3.124
8+200	12.185	3.261
8+250	12.035	4.162
8+300	11.885	3.409
8+350	11.735	3.633
8+400	11.585	2.645
8+450	11.435	2.439
8+500	11.285	2.766
8+550	11.135	6.400
8+600	10.985	4.611
8+650	10.835	5.081
8+700	10.685	5.146
8+750	10.535	5.365
8+800	10.387	5.315
8+850	10.331	5.614
8+900	10.409	5.570
8+950	10.616	5.493
9+000	10.866	5.475
9+050	11.116	5.509
9+100	11.366	6.455
9+150	11.616	6.873
9+200	11.866	7.098
9+250	12.116	7.132
9+300	12.366	6.862
9+350	12.616	6.910
9+400	12.866	6.459
9+450	13.116	7.099
9+500	13.322	10.649
9+550	13.391	16.413
9+600	13.322	18.751
9+650	13.116	18.196
9+700	12.866	20.728

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: 2 Station: Km8+000 - Km16+880					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	PLAN AND PROFILE: STA 8+00.00 -:- 16+880.00 BÌNH ĐỒ VÀ TRẮC DỌC: STA 8+00.00 -:- 16+880.00	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO	SCALE	DRAWING NO. / REV. NO.
				SIGNATURE	[signature]	[signature]	[signature]	H:1/5,000 V:1/500	PKG2-BD-PP-010 / 2
				DATE					





FINISHED GRADE	12.866	12.616	12.366	12.116	11.866	11.616	11.366	11.120	11.010	11.096	11.246	11.396
EXISTING GROUND	20.728	9.434	4.686	-0.748	0.174	5.341	5.056	5.579	5.365	5.116	5.164	5.242
STATION	9+700	9+750	9+800	9+850	9+900	9+950	10+000	10+050	10+100	10+150	10+200	10+250

FINISHED GRADE	11.546	11.696	11.846	11.996	12.146	12.296	12.446	12.596	12.721	12.713	12.563	12.316
EXISTING GROUND	5.336	5.919	5.302	5.277	5.256	5.193	5.242	5.371	5.757	6.740	5.870	4.583
STATION	10+300	10+350	10+400	10+450	10+500	10+550	10+600	10+650	10+700	10+750	10+800	10+850

FINISHED GRADE	12.066	11.816	11.566	11.316	11.066	10.816	10.566	10.316	10.066	9.854	9.633
EXISTING GROUND	4.726	6.204	5.761	5.468	5.960	5.279	5.111	5.282	5.195	5.182	5.135
STATION	10+900	10+950	11+000	11+050	11+100	11+150	11+200	11+250	11+300	11+350	11+400

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

REMARKS:

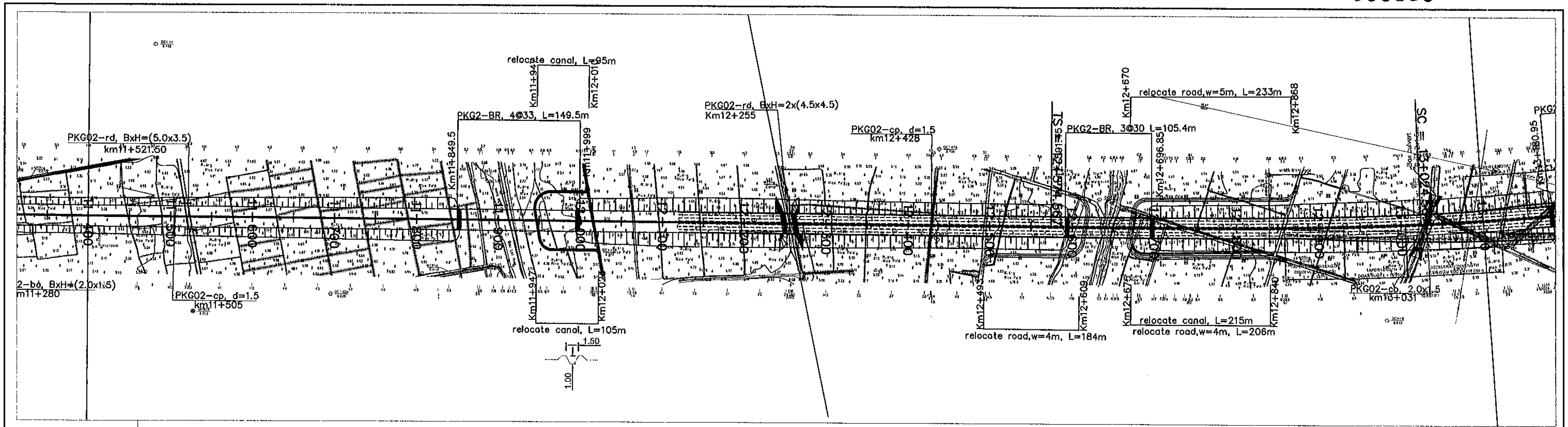
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

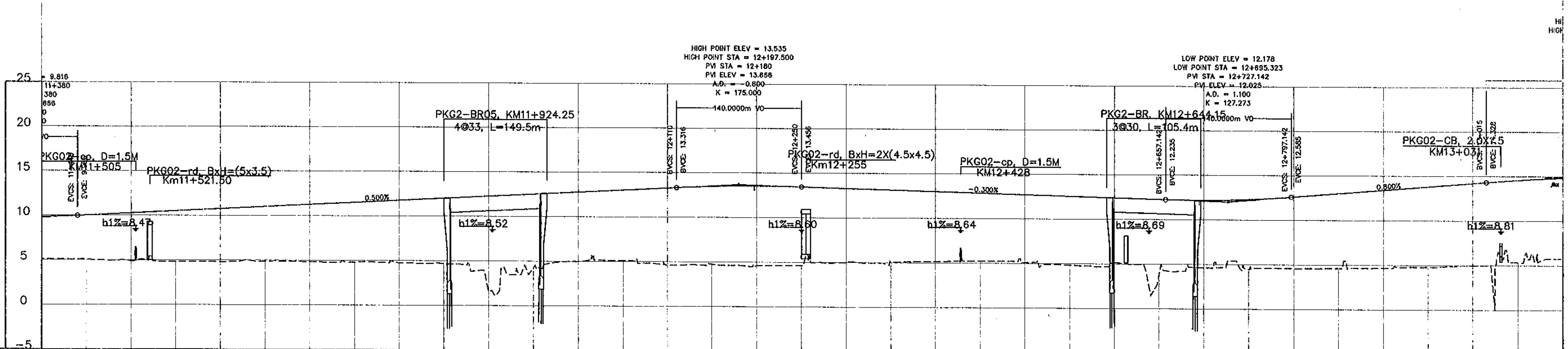
Package: 2 Station: Km8+000 - Km16+880

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 8+00.00 -:- 16+880.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 8+00.00 -:- 16+880.00

SCALE	DRAWING NO	REV. NO.
H.1/5,000 V:1/500	PKG2-BD-PP-020	2





STATION	11+400	11+450	11+500	11+550	11+600	11+650	11+700	11+750	11+800	11+850	11+900	11+950
FINISHED GRADE	9.833	10.016	10.266	10.516	10.766	11.016	11.266	11.516	11.766	12.016	12.266	12.516
EXISTING GROUND	5.135	5.100	4.905	4.823	4.805	4.867	4.805	4.830	4.725	4.684	1.540	4.265

STATION	12+000	12+050	12+100	12+150	12+200	12+250	12+300	12+350	12+400	12+450	12+500	12+550
FINISHED GRADE	12.766	13.016	13.266	13.471	13.535	13.456	13.306	13.156	13.006	12.856	12.706	12.556
EXISTING GROUND	4.980	5.095	4.615	4.758	4.625	4.643	5.002	5.063	5.160	5.247	5.110	4.835

STATION	12+600	12+650	12+700	12+750	12+800	12+850	12+900	12+950	13+000	13+050	13+100
FINISHED GRADE	12.406	12.256	12.179	12.295	12.608	13.008	13.408	13.808	14.208	14.582	14.855
EXISTING GROUND	5.160	3.837	4.613	4.501	4.603	4.631	4.656	4.790	4.972	5.345	5.786

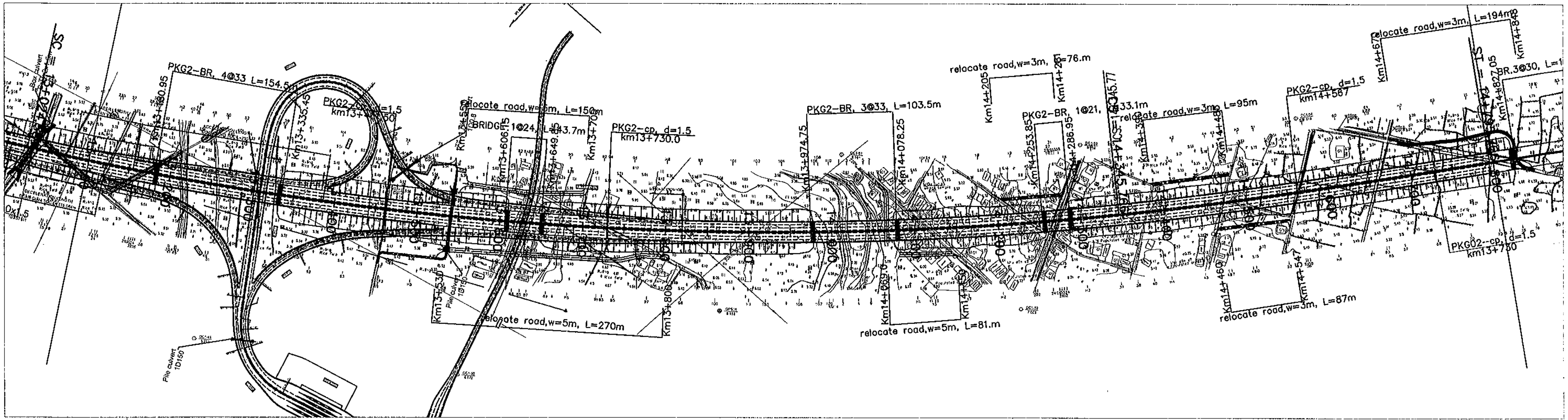
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

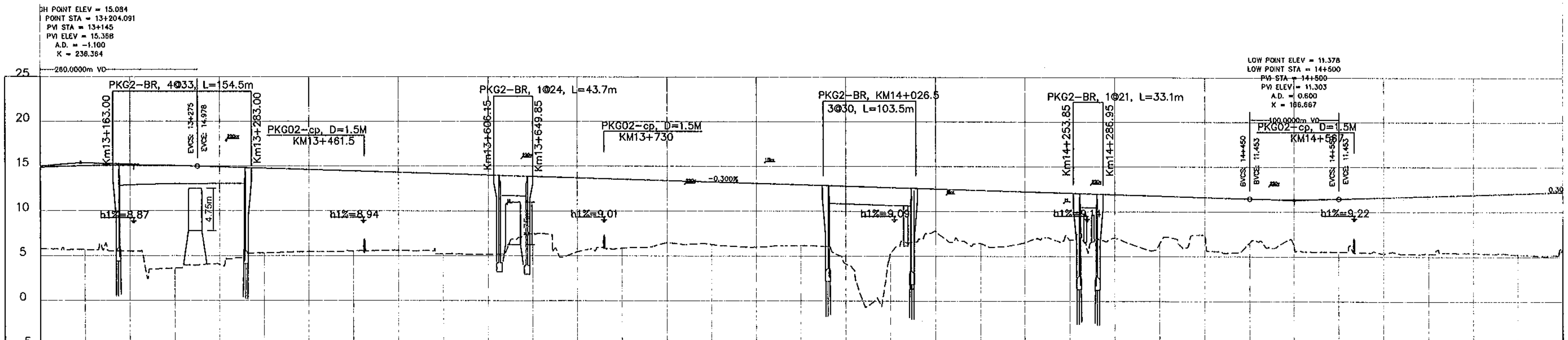
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 2 Station: Km8+000 - Km16+880

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 8+00.00 -:- 16+880.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 8+00.00 -:- 16+880.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG2-BD-PP-030	2





STATION	13+100	13+150	13+200	13+250	13+300	13+350	13+400	13+450	13+500	13+550	13+600	13+650
FINISHED GRADE	14.855	15.022	15.084	15.040	14.903	14.753	14.603	14.453	14.303	14.153	14.003	13.853
EXISTING GROUND	5.786	5.670	5.495	3.593	4.032	5.304	5.455	5.518	5.609	5.209	5.175	7.478

STATION	13+700	13+750	13+800	13+850	13+900	13+950	14+000	14+050	14+100	14+150	14+200	14+250
FINISHED GRADE	13.703	13.553	13.403	13.253	13.103	12.953	12.803	12.653	12.503	12.353	12.203	12.053
EXISTING GROUND	5.445	5.856	6.488	6.284	6.004	6.165	4.131	5.320	7.806	6.419	6.503	6.825

STATION	14+300	14+350	14+400	14+450	14+500	14+550	14+600	14+650	14+700	14+750	14+800
FINISHED GRADE	11.903	11.753	11.603	11.453	11.378	11.453	11.603	11.753	11.903	12.053	12.203
EXISTING GROUND	7.053	6.480	7.386	6.567	6.200	5.531	5.342	5.341	5.411	5.244	5.914

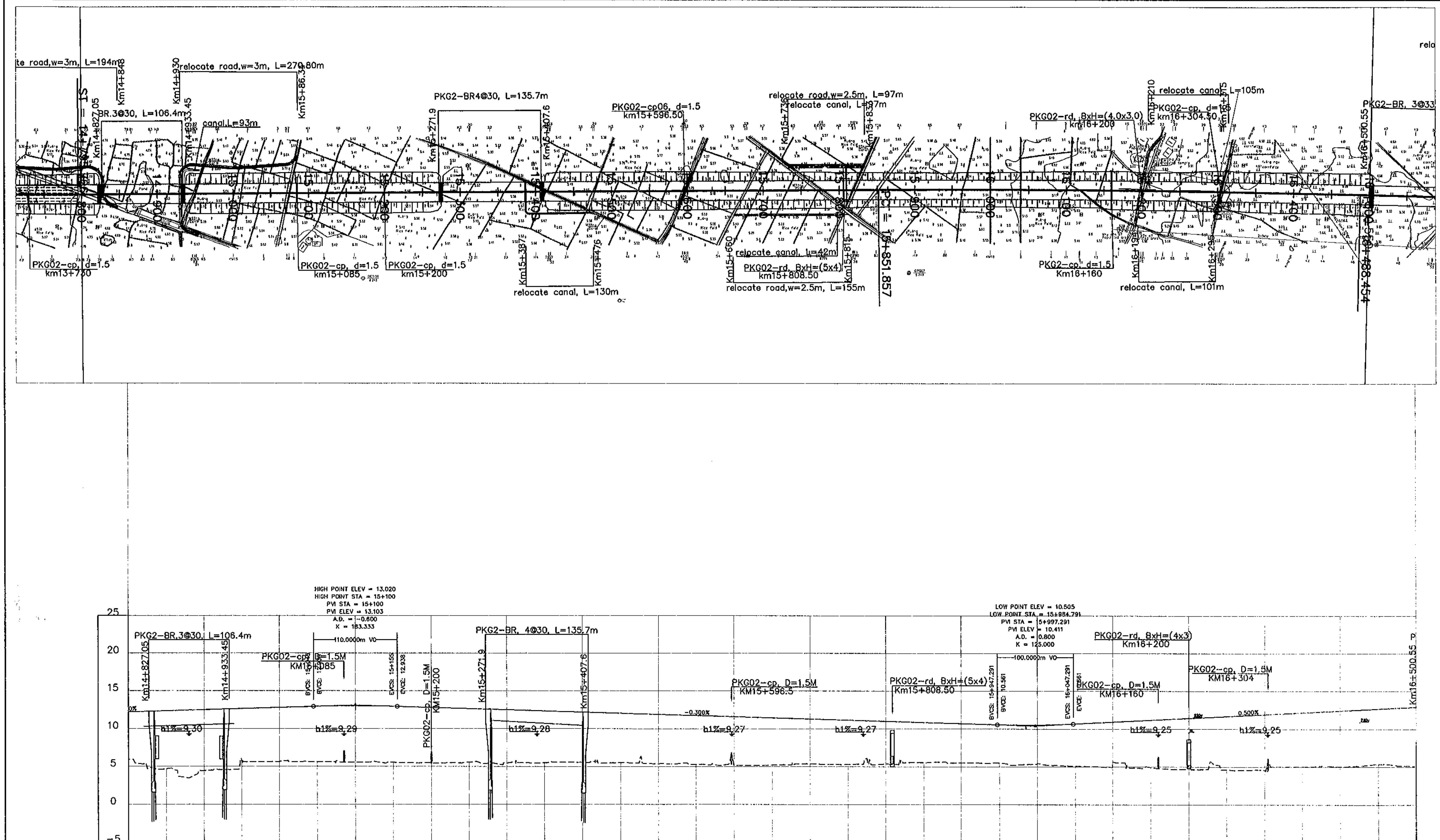
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 2 Station: Km8+000 - Km16+880

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 8+00.00 -:- 16+880.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 8+00.00 -:- 16+880.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG2-BD-PP-040	2



FINISHED GRADE	12.203	12.353	12.503	12.653	12.803	12.952	13.020	12.952	12.803	12.653	12.503	12.353
EXISTING GROUND	5.914	4.699	4.456	5.499	5.626	5.644	5.563	5.547	5.413	5.572	5.453	5.481
STATION	14+800	14+850	14+900	14+950	15+000	15+050	15+100	15+150	15+200	15+250	15+300	15+350

FINISHED GRADE	12.203	12.053	11.903	11.753	11.603	11.453	11.303	11.153	11.003	10.853	10.703	10.553
EXISTING GROUND	5.546	5.499	5.366	5.298	5.176	5.216	5.375	5.298	5.381	5.551	5.497	5.498
STATION	15+400	15+450	15+500	15+550	15+600	15+650	15+700	15+750	15+800	15+850	15+900	15+950

FINISHED GRADE	10.514	10.675	10.925	11.175	11.425	11.675	11.925	12.175	12.425	12.675	12.925
EXISTING GROUND	5.467	5.096	5.636	4.951	4.999	4.623	4.583	5.029	5.043	5.373	5.074
STATION	16+000	16+050	16+100	16+150	16+200	16+250	16+300	16+350	16+400	16+450	16+500

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

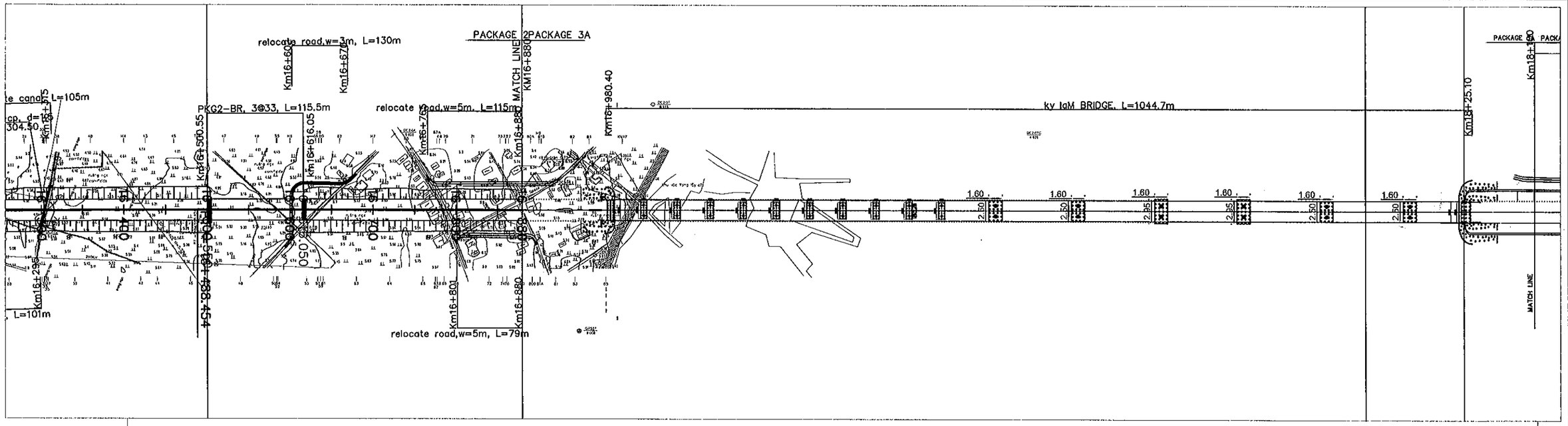
REMARKS:

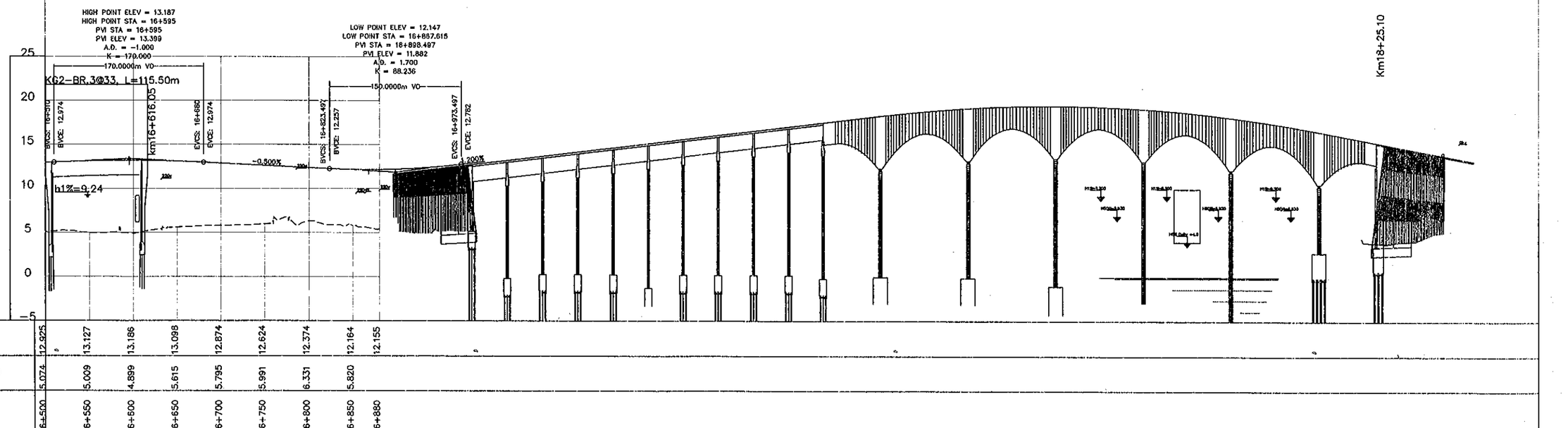
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 2 Station: Km8+000 - Km16+880

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 8+00.00 -:- 16+880.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 8+00.00 -:- 16+880.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG2-BD-PP-050	2





FINISHED GRADE	12.925	13.127	13.186	13.098	12.874	12.624	12.374	12.164	12.155	
EXISTING GROUND	5.074	5.009	4.899	5.615	5.795	5.991	6.331	5.820		
STATION	16+500	16+550	16+600	16+650	16+700	16+750	16+800	16+850	16+880	

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

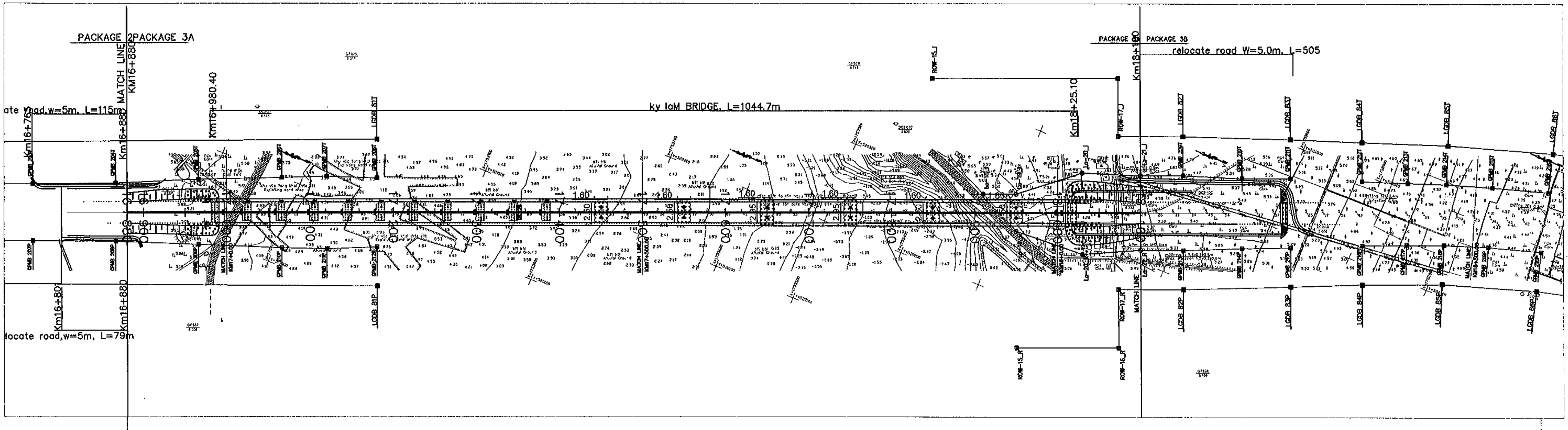
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 2 Station: Km8+000 - Km16+880

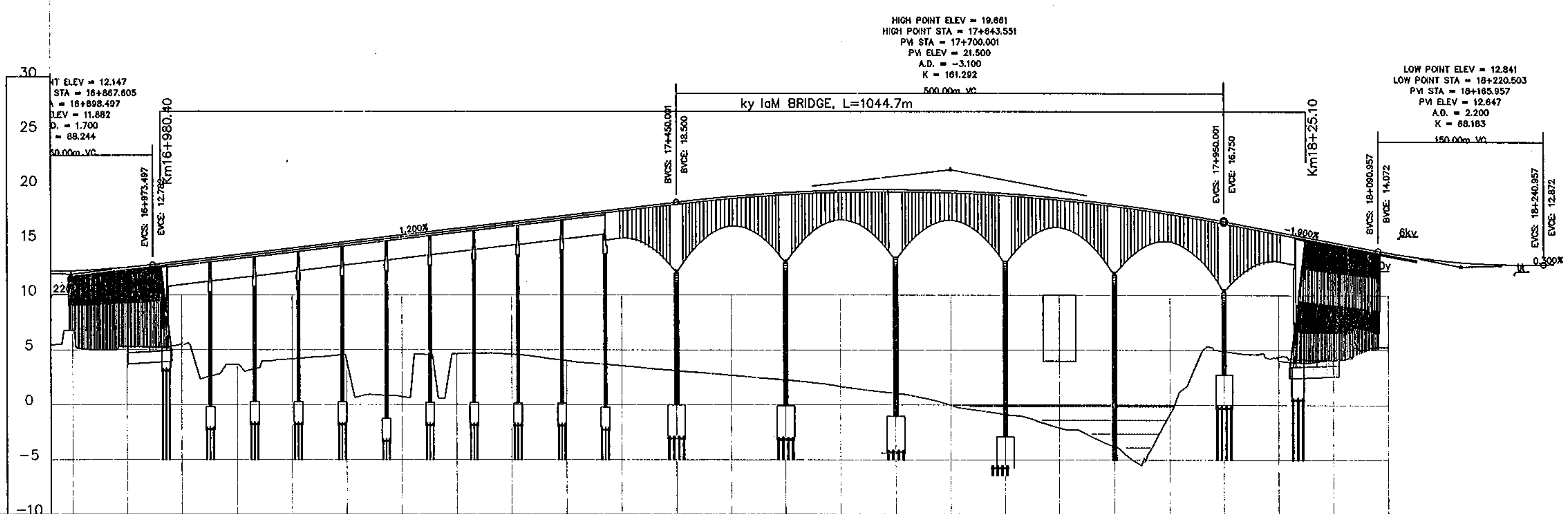
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	P. V. HUNG	TAKAYASU NAGAI	ICHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 8+00.00 -:- 16+880.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 8+00.00 -:- 16+880.00

SCALE	DRAWING NO	REV NO.
H:1/5,000 V:1/500	PKG2-BD-PP-060	2

D1-3. PACKAGE 3A
D1-3. GÓI THẦU 3A





STATION	FINISHED GRADE	EXISTING GROUND
16+880	12.155	5.443
16+900	12.206	6.760
16+950	12.531	5.307
17+000	13.100	5.529
17+050	13.700	3.679
17+100	14.300	4.185
17+150	14.900	3.848
17+200	15.500	0.742
17+250	16.100	4.651
17+300	16.700	4.606
17+350	17.300	4.028
17+400	17.900	3.560
17+450	18.500	3.112
17+500	19.023	2.693
17+550	19.390	2.264
17+600	19.603	1.677
17+650	19.660	1.063
17+700	19.563	-0.016
17+750	19.310	-0.857
17+800	18.903	-2.086
17+850	18.340	-3.769
17+900	17.623	-0.776
17+950	16.750	4.911
18+000	15.800	4.378
18+050	14.850	4.094
18+100	13.906	5.264

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: 3A Station: Km16+880 - Km18+100

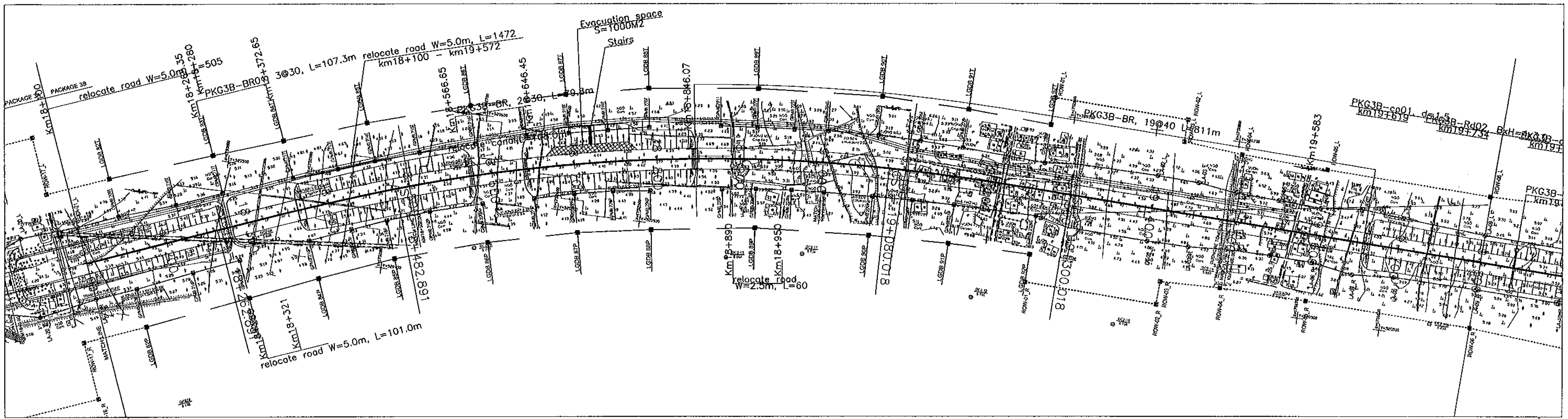
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	Mlunk	[signature]	[signature]
DATE			

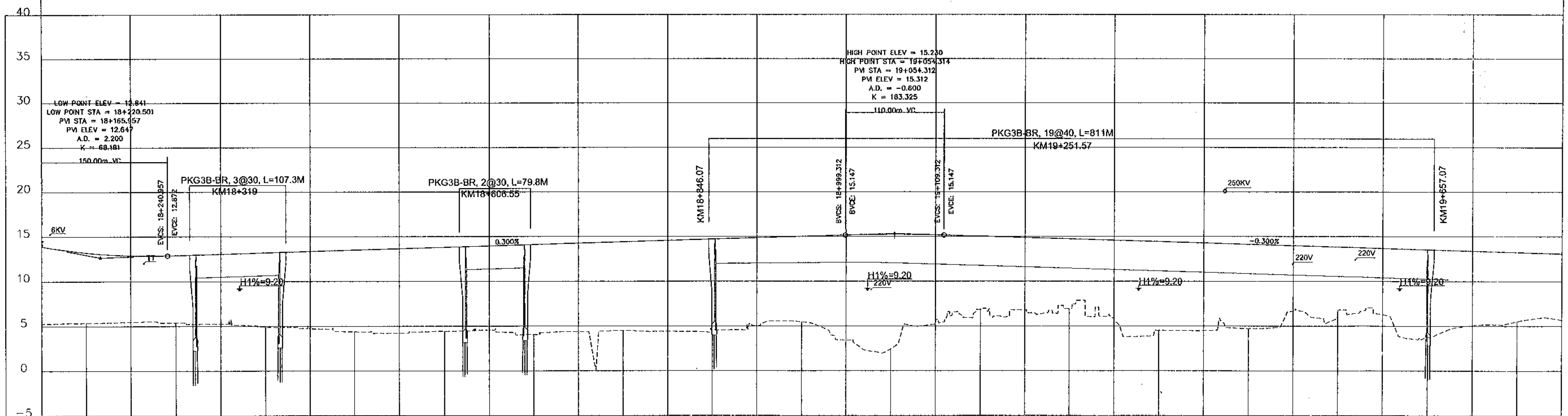
PLAN AND PROFILE: STA 16+880.00 -:- 18+100.00

BÌNH ĐỒ VÀ TRẮC DỌC: STA 16+880.00 -:- 18+100.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG3A-BD-PP-010	2

D1-4. PACKAGE 3B
D1-4. GÓI THẦU 3B





STATION	18+100	18+150	18+200	18+250	18+300	18+350	18+400	18+450	18+500	18+550	18+600	18+650	18+700	18+750	18+800	18+850	18+900	18+950
FINISHED GRADE	13.906	13.206	12.872	12.899	13.049	13.199	13.349	13.499	13.649	13.799	13.949	14.099	14.249	14.399	14.549	14.699	14.849	14.999
EXISTING GROUND	5.264	5.355	5.464	5.389	5.250	4.908	4.755	4.375	4.220	4.432	4.550	4.053	4.375	4.497	4.400	4.572	5.000	5.456

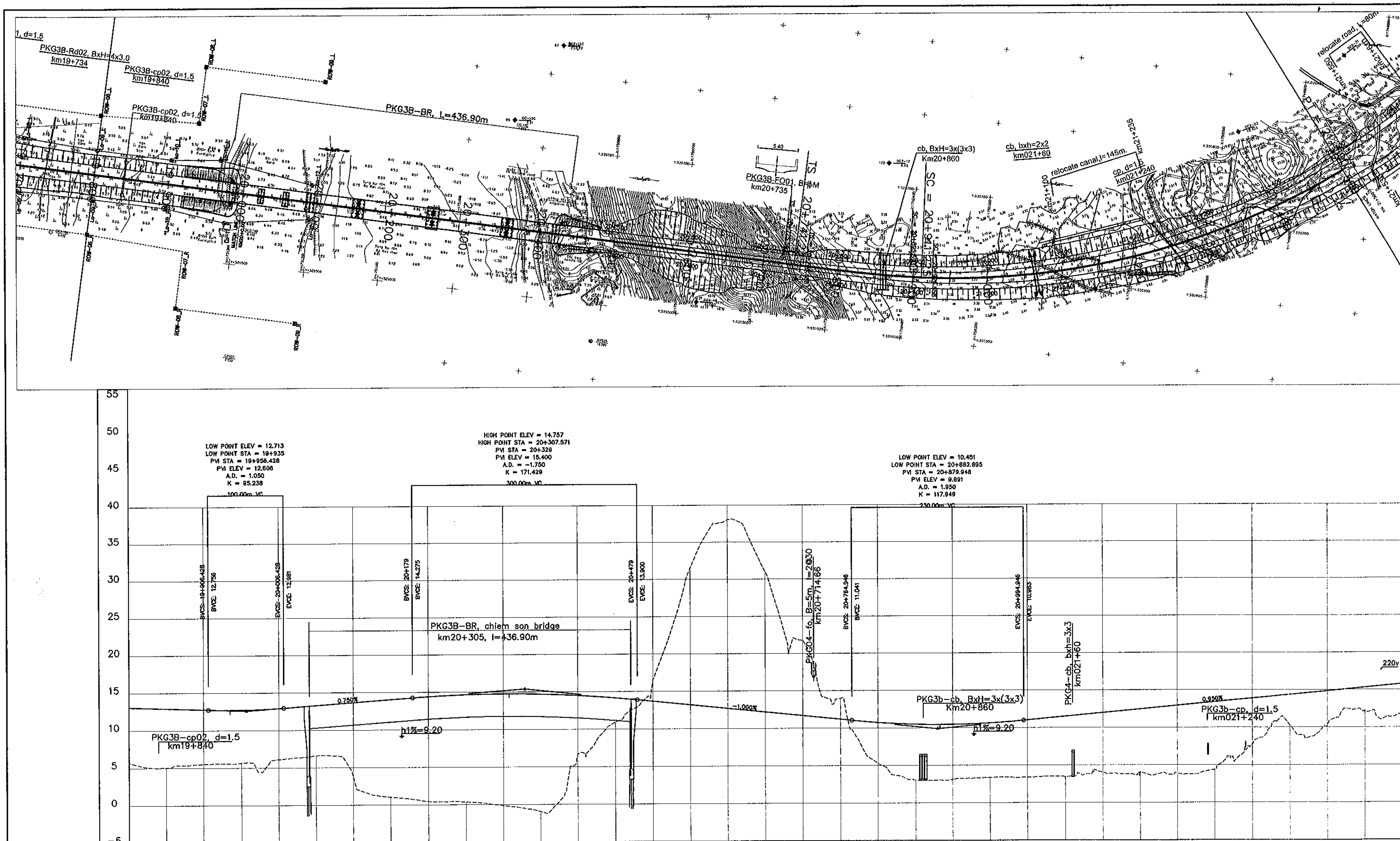
STATION	19+000	19+050	19+100	19+150	19+200	19+250	19+300	19+350	19+400	19+450	19+500	19+550	19+600	19+650	19+700	19+750	19+800
FINISHED GRADE	15.149	15.229	15.173	15.025	14.875	14.725	14.575	14.425	14.275	14.125	13.975	13.825	13.675	13.525	13.375	13.225	13.075
EXISTING GROUND	3.408	2.430	5.376	6.834	6.790	6.919	5.785	4.516	4.503	4.725	6.670	6.797	6.300	3.726	5.092	5.516	5.585

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: 3B Station: Km18+100 - Km21+500

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN AND PROFILE: STA 18+100.00 -:- 21+500.00 BÌNH ĐỒ VÀ TRẮC DỌC: STA 18+100.00 -:- 21+500.00		
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO	SCALE	DRAWING NO.	REV. NO.
SIGNATURE	[signature]	[signature]	[signature]	H:1/5,000 V:1/500	PKG3B-BD-PP-010	3
DATE						



STATION	FINISHED GRADE	EXISTING GROUND
19+800	13.075	5.685
19+850	12.925	5.059
19+900	12.775	5.543
19+950	12.725	5.660
20+000	12.935	6.119
20+050	13.308	6.594
20+100	13.683	3.712
20+150	14.058	1.051
20+200	14.420	0.441
20+250	14.660	0.373
20+300	14.755	-0.138
20+350	14.705	-0.933
20+400	14.508	6.656
20+450	14.165	10.931
20+500	13.690	16.573
20+550	13.190	31.541
20+600	12.690	38.063
20+650	12.190	31.022
20+700	11.690	21.765
20+750	11.190	13.979
20+800	10.742	5.271
20+850	10.497	3.045
20+900	10.463	3.132
20+950	10.642	3.387
21+000	11.031	3.387
21+050	11.506	3.477
21+100	11.981	4.045
21+150	12.456	4.099
21+200	12.931	3.902
21+250	13.406	4.373
21+300	13.881	7.725
21+350	14.356	10.222
21+400	14.831	10.344
21+450	15.306	12.204
21+500	15.781	

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodal Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

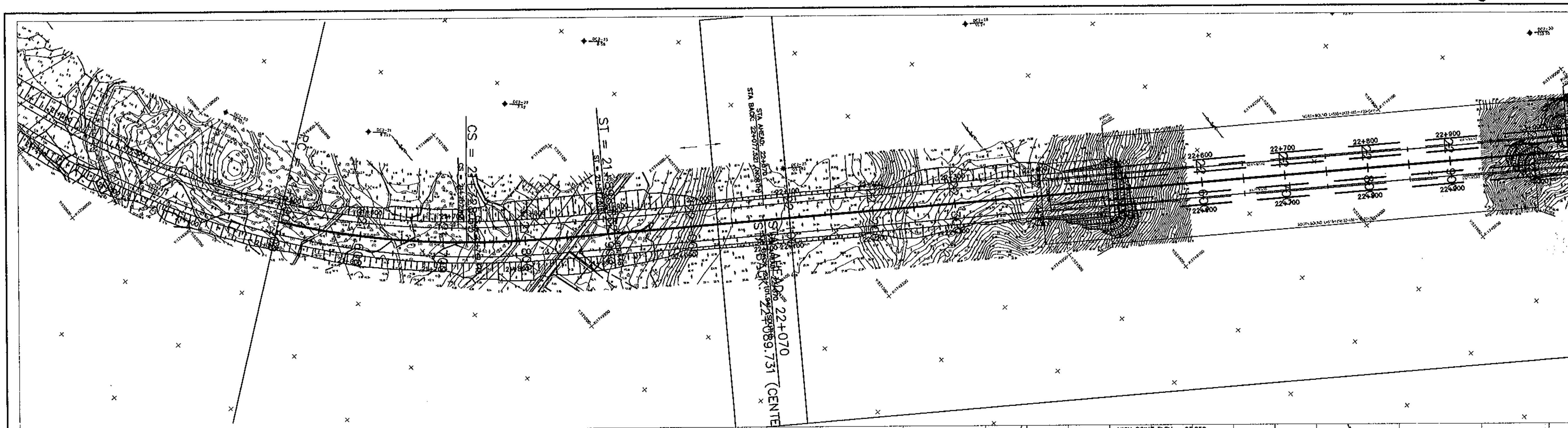
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 3B Station: Km18+100 - Km21+500

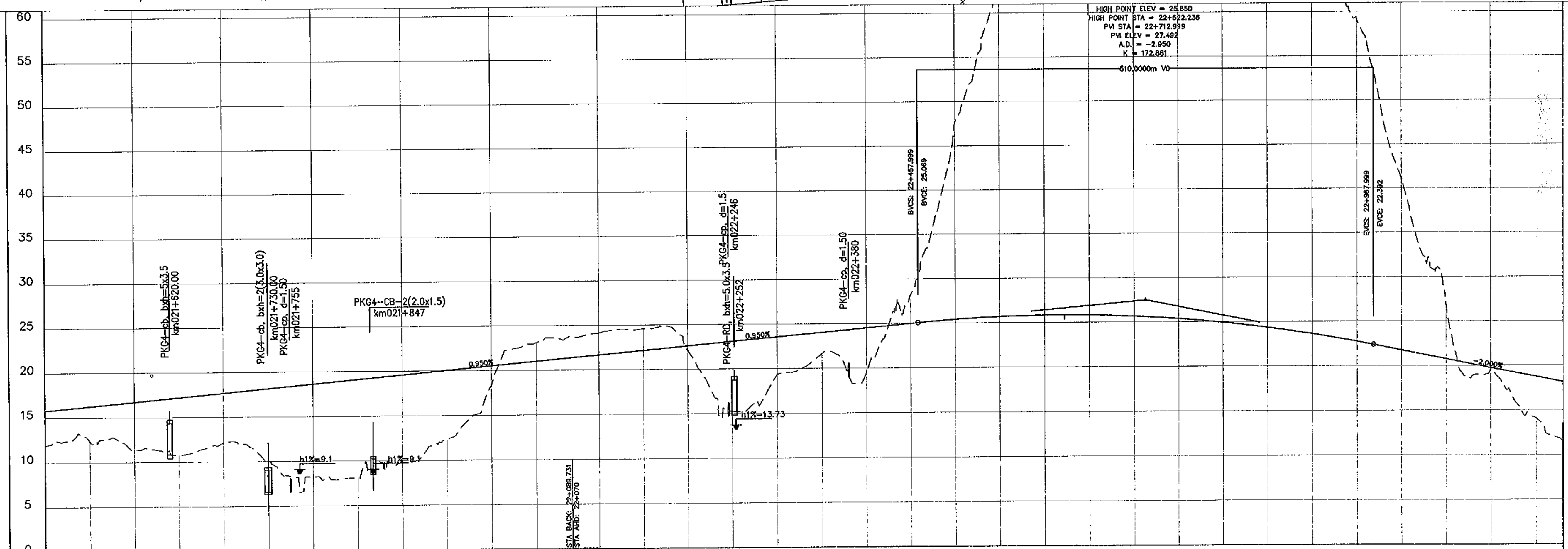
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	Mung	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 18+100.00 -:- 21+500.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 18+100.00 -:- 21+500.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG3B-BD-PP-020	3

D1-5. PACKAGE 4
D1-5. GÓI THẦU 4





STATION	FINISHED GRADE	EXISTING GROUND
21+500	15.781	11.886
21+550	16.256	12.321
21+600	16.731	11.365
21+650	17.206	10.774
21+700	17.681	12.110
21+750	18.156	10.009
21+800	18.631	8.259
21+850	19.106	8.158
21+900	19.581	9.780
21+950	20.056	12.344
22+000	20.531	18.379
22+050	21.006	23.084
22+080	21.481	23.758
22+100	21.669	

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85	

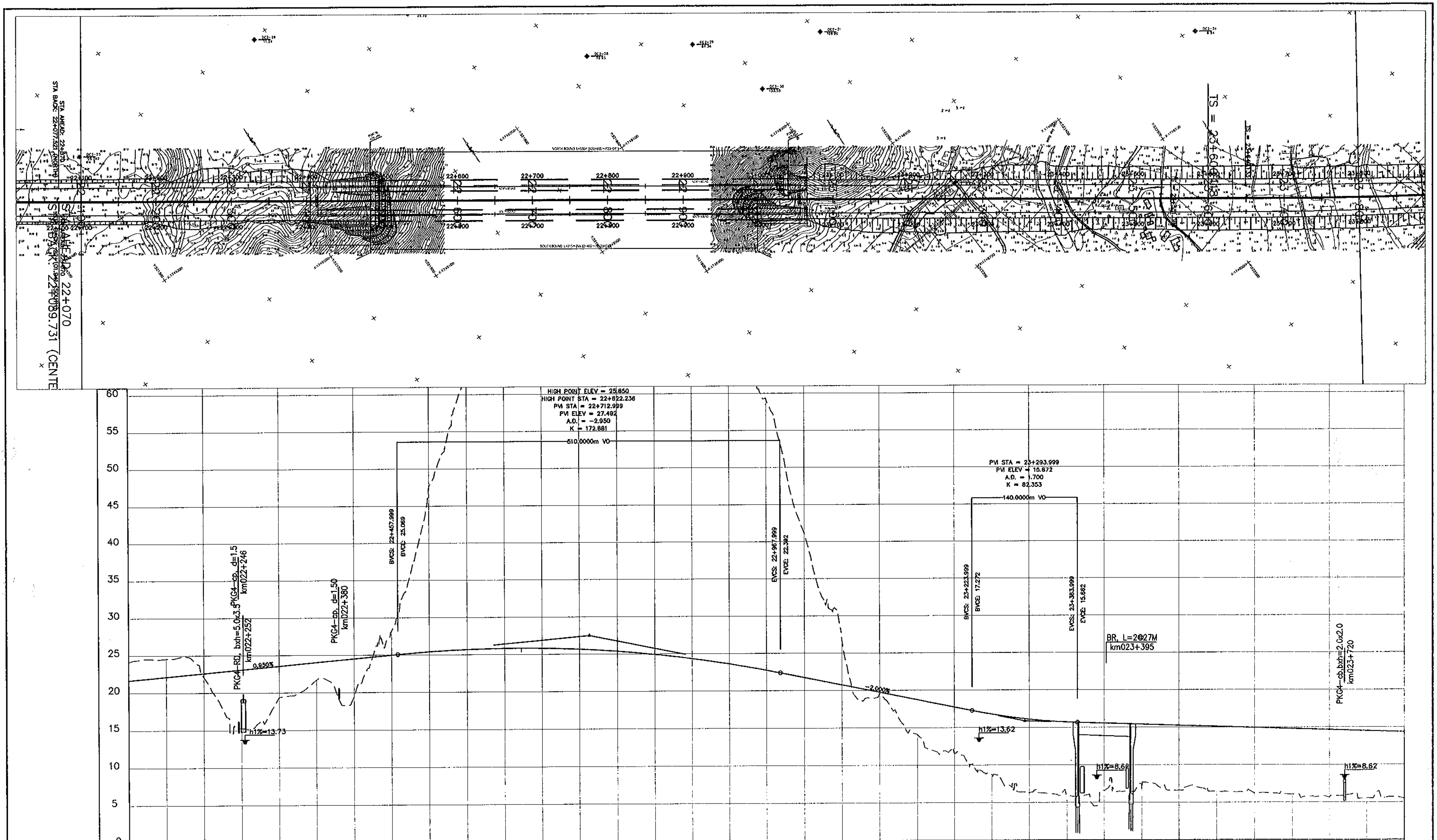
REMARKS:

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 4 Station: Km21+500 - Km32+600

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 21+500.00 -:- 32+600.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 21+500.00 -:- 32+600.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG4-BD-PP-010	3



STATION	FINISHED GRADE	EXISTING GROUND
22+100	21.669	24.139
22+150	22.144	24.580
22+200	22.619	22.134
22+250	23.094	15.255
22+300	23.569	19.401
22+350	24.044	21.687
22+400	24.519	19.457
22+450	24.994	28.227
22+500	25.417	47.679
22+550	25.699	63.071
22+600	25.835	72.213
22+650	25.827	69.705
22+700	25.675	67.195
22+750	25.378	65.652
22+800	24.936	64.436
22+850	24.349	63.219
22+900	23.618	62.003
22+950	22.743	59.200
23+000	21.752	41.130
23+050	20.752	26.652
23+100	19.752	19.650
23+150	18.752	14.038
23+200	17.752	11.531
23+250	16.793	8.720
23+300	16.103	6.313
23+350	15.716	5.907
23+400	15.554	6.582
23+450	15.404	6.856
23+500	15.254	6.629
23+550	15.104	6.464
23+600	14.954	6.233
23+650	14.804	6.059
23+700	14.654	5.644
23+750	14.504	5.573
23+800	14.354	5.684

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

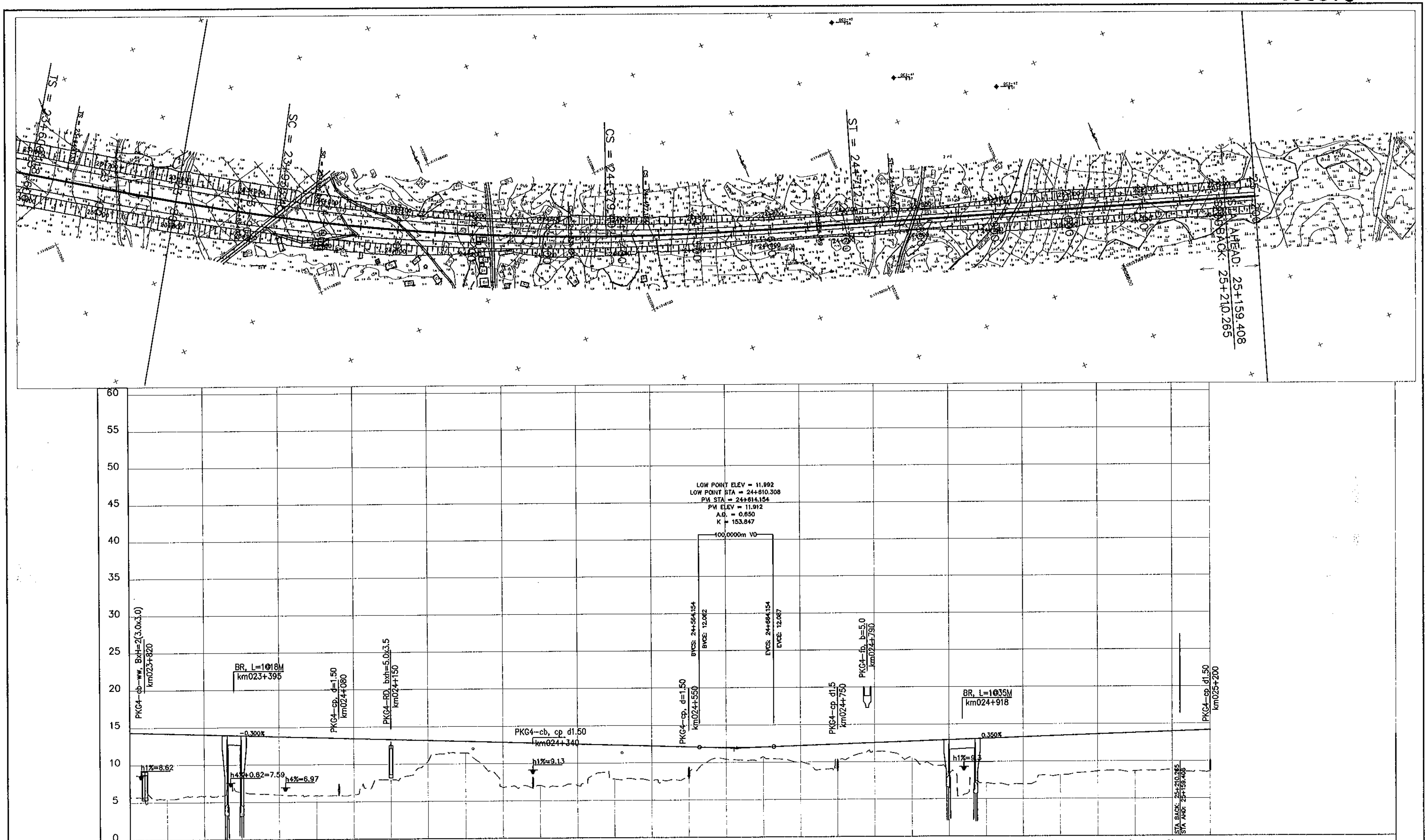
Package: 4 Station: Km21+500 - Km32+600

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 21+500.00 -:- 32+600.00

BÌNH ĐỒ VÀ TRẮC DỌC: STA 21+500.00 -:- 32+600.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG4-BD-PP-020	3



STATION	FINISHED GRADE	EXISTING GROUND
23+800	14.354	5.684
23+850	14.204	5.477
23+900	14.054	5.801
23+950	13.904	6.348
24+000	13.754	5.989
24+050	13.604	5.850
24+100	13.454	6.054
24+150	13.304	7.942
24+200	13.154	10.391
24+250	13.004	11.460
24+300	12.854	6.827
24+350	12.704	7.066
24+400	12.554	7.021
24+450	12.404	7.856
24+500	12.254	7.590
24+550	12.104	8.798
24+600	11.996	10.442
24+650	12.044	10.724
24+700	12.212	10.099
24+750	12.387	10.300
24+800	12.562	11.364
24+850	12.737	10.499
24+900	12.912	8.332
24+950	13.087	7.123
25+000	13.262	6.960
25+050	13.437	8.191
25+100	13.612	8.658
25+150	13.787	8.676
25+200	13.962	8.887
25+200	14.137	8.616

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

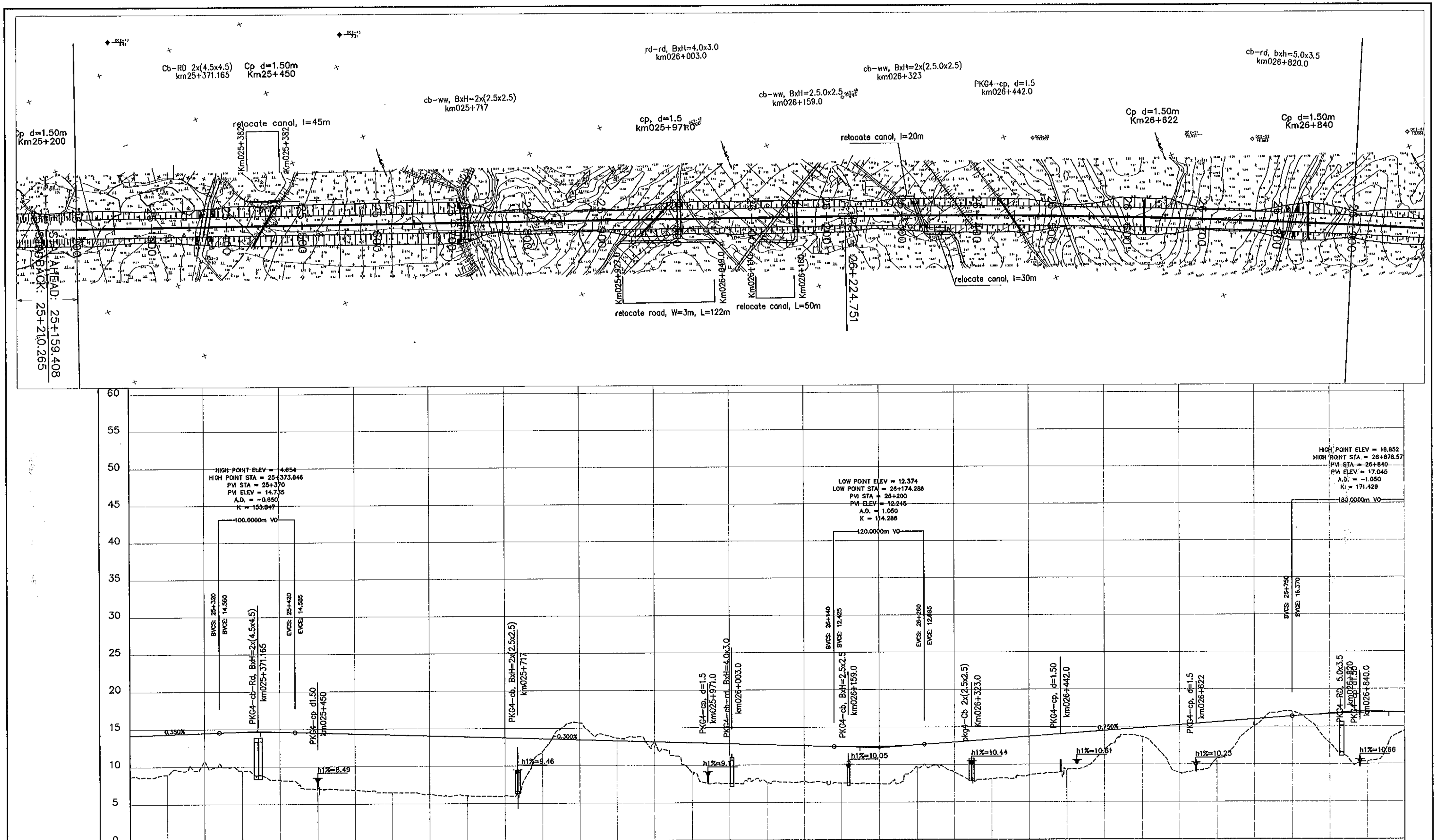
REMARKS:

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 4 Station: Km21+500 - Km32+600

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 21+500.00 -:- 32+600.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 21+500.00 -:- 32+600.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG4-BD-PP-030	3



	25+200	25+250	25+300	25+350	25+400	25+450	25+500	25+550	25+600	25+650	25+700	25+750	25+800	25+850	25+900	25+950	26+000	26+050
FINISHED GRADE	14.140	14.315	14.490	14.636	14.632	14.495	14.345	14.195	14.045	13.895	13.745	13.595	13.445	13.295	13.145	12.995	12.845	12.695
EXISTING GROUND	8.626	8.962	10.799	9.458	8.259	7.129	6.878	6.509	6.319	6.049	6.030	11.902	15.650	13.676	13.174	9.008	7.550	7.713
STATION	25+200	25+250	25+300	25+350	25+400	25+450	25+500	25+550	25+600	25+650	25+700	25+750	25+800	25+850	25+900	25+950	26+000	26+050

	26+100	26+150	26+200	26+250	26+300	26+350	26+400	26+450	26+500	26+550	26+600	26+650	26+700	26+750	26+800	26+850	26+900
FINISHED GRADE	12.545	12.399	12.402	12.624	12.995	13.370	13.745	14.120	14.495	14.870	15.245	15.620	15.995	16.370	16.672	16.828	16.839
EXISTING GROUND	7.848	7.551	7.450	9.636	8.944	8.096	8.571	9.312	12.043	13.644	8.566	10.730	15.175	16.966	12.802	10.381	14.418
STATION	26+100	26+150	26+200	26+250	26+300	26+350	26+400	26+450	26+500	26+550	26+600	26+650	26+700	26+750	26+800	26+850	26+900

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

REMARKS:

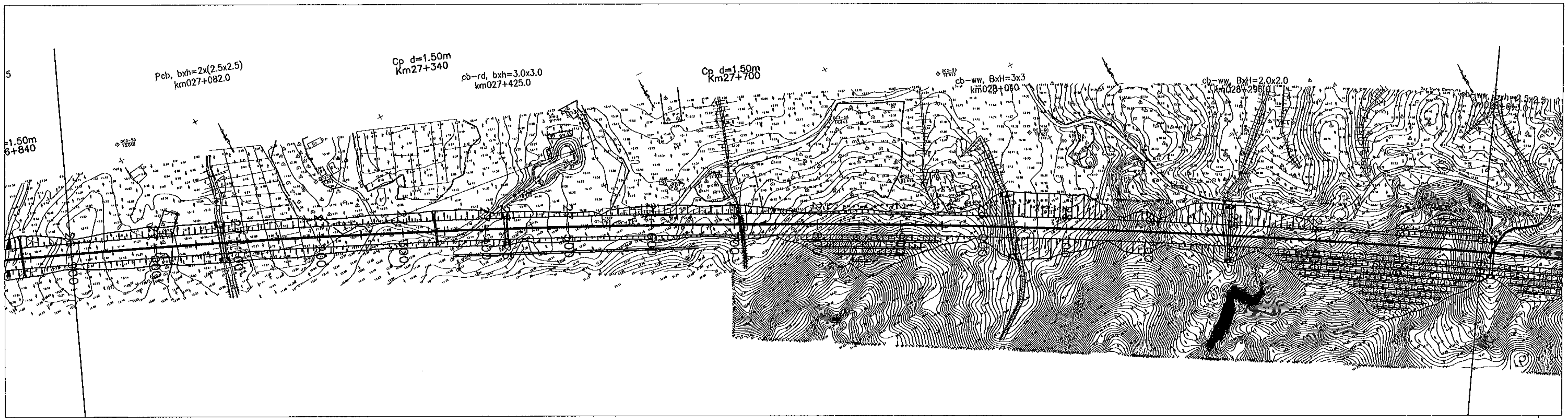
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

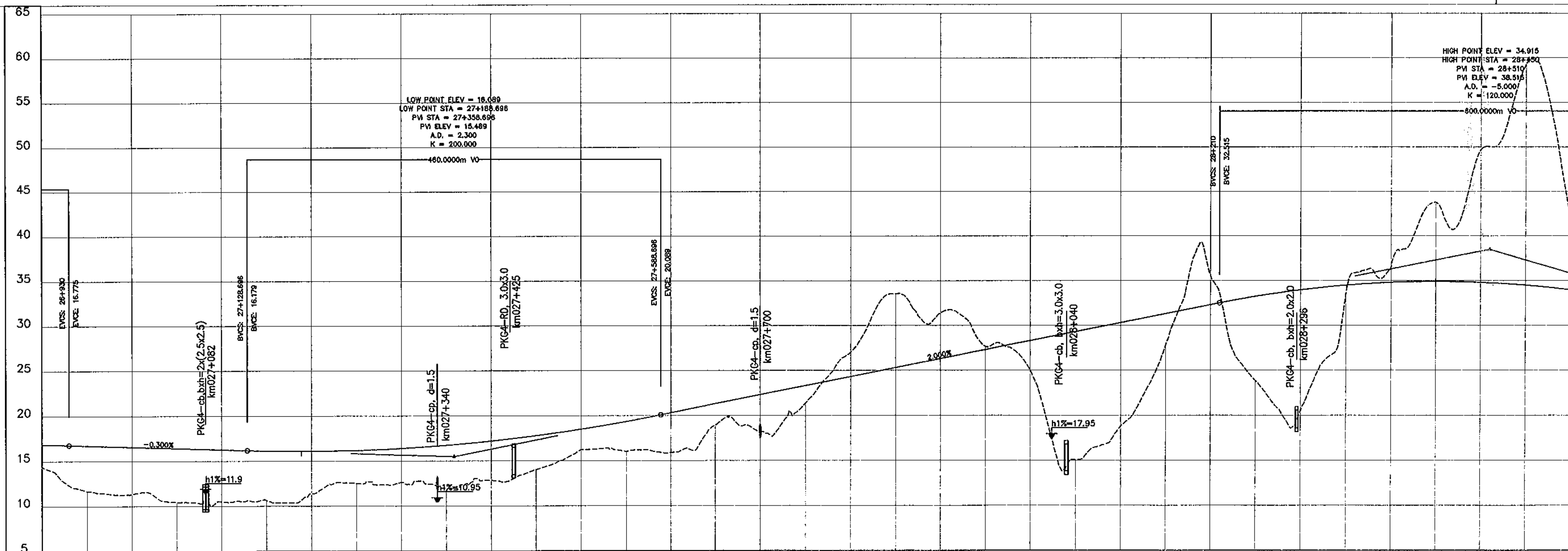
Package: 4 Station: Km21+500 - Km32+600

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 21+500.00 -:- 32+600.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 21+500.00 -:- 32+600.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG4-BD-PP-040	3





STATION	26+900	26+950	27+000	27+050	27+100	27+150	27+200	27+250	27+300
FINISHED GRADE	15.839	16.715	16.565	16.415	16.265	16.126	16.092	16.183	16.399
EXISTING GROUND	14.418	11.656	11.376	10.469	10.503	10.656	11.398	12.537	12.653

STATION	27+350	27+400	27+450	27+500	27+550	27+600	27+650	27+700	27+750
FINISHED GRADE	16.739	17.205	17.796	18.512	19.352	20.315	21.315	22.315	23.315
EXISTING GROUND	11.963	12.857	14.039	16.229	16.036	15.914	18.936	18.258	21.378

STATION	27+800	27+850	27+900	27+950	28+000	28+050	28+100	28+150	28+200
FINISHED GRADE	24.315	25.315	26.315	27.315	28.315	29.315	30.315	31.315	32.315
EXISTING GROUND	27.037	33.551	31.429	27.667	25.007	15.049	18.814	27.832	35.590

STATION	28+250	28+300	28+350	28+400	28+450	28+500	28+550	28+600
FINISHED GRADE	33.248	33.977	34.498	34.811	34.915	34.811	34.498	33.977
EXISTING GROUND	23.864	20.543	33.634	36.511	43.770	49.686	59.279	41.471

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

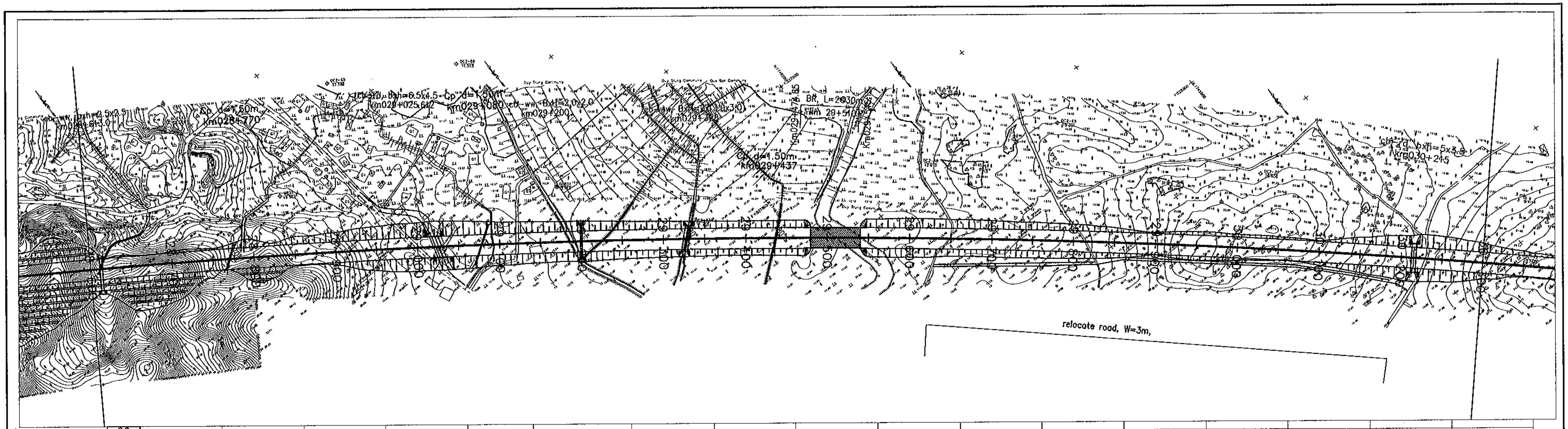
REMARKS:

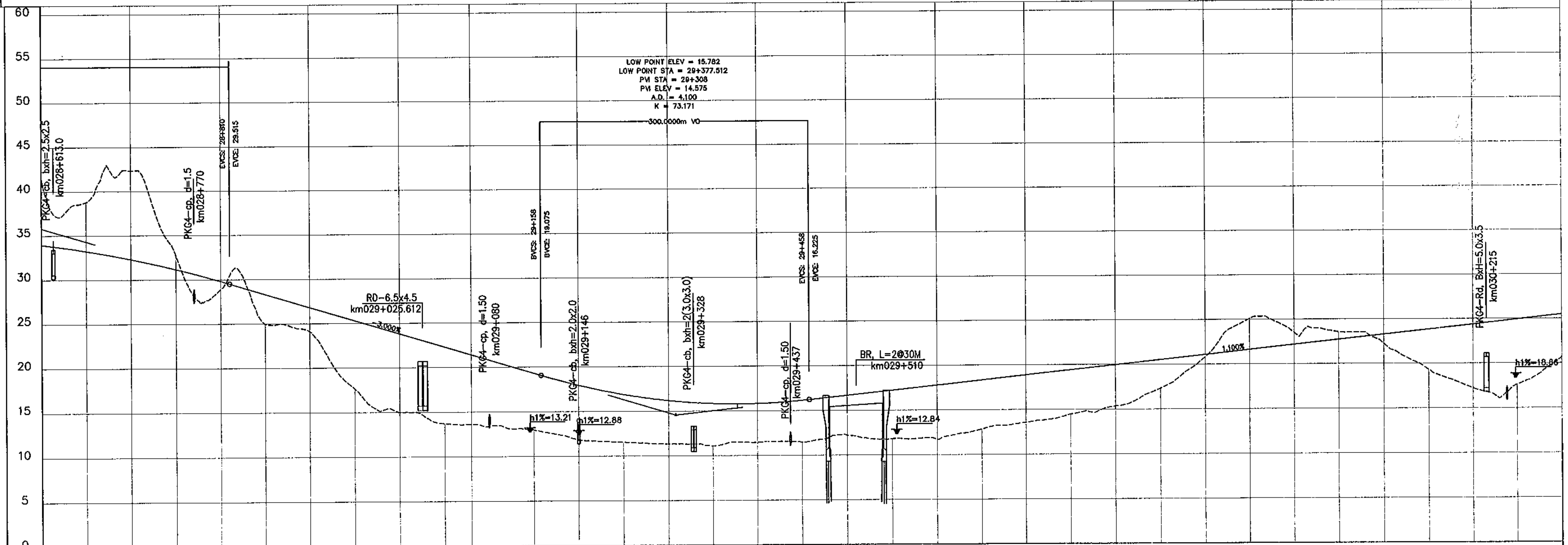
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 4 Station: Km21+500 - Km32+600

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 21+500.00 -:- 32+600.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 21+500.00 -:- 32+600.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG4-BD-PP-050	3





FINISHED GRADE	33.977	33.248	32.311	31.165	29.811	28.315	26.815	25.315	23.815	22.315	20.815	19.315
EXISTING GROUND	41.471	38.775	42.340	32.732	28.892	24.966	24.118	17.624	15.000	13.710	13.412	12.955
STATION	28+600	28+650	28+700	28+750	28+800	28+850	28+900	28+950	29+000	29+050	29+100	29+150

FINISHED GRADE	17.936	16.893	16.193	15.834	15.817	16.141	16.687	17.237	17.787	18.337	18.887	19.437
EXISTING GROUND	11.842	11.543	11.330	11.109	11.487	11.490	12.217	11.814	11.759	12.834	13.568	14.464
STATION	29+200	29+250	29+300	29+350	29+400	29+450	29+500	29+550	29+600	29+650	29+700	29+750

FINISHED GRADE	19.987	20.537	21.087	21.637	22.187	22.737	23.287	23.837	24.387	24.937	25.487
EXISTING GROUND	15.371	17.322	20.808	25.082	23.516	23.549	22.256	19.316	17.213	17.608	20.661
STATION	29+800	29+850	29+900	29+950	30+000	30+050	30+100	30+150	30+200	30+250	30+300

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

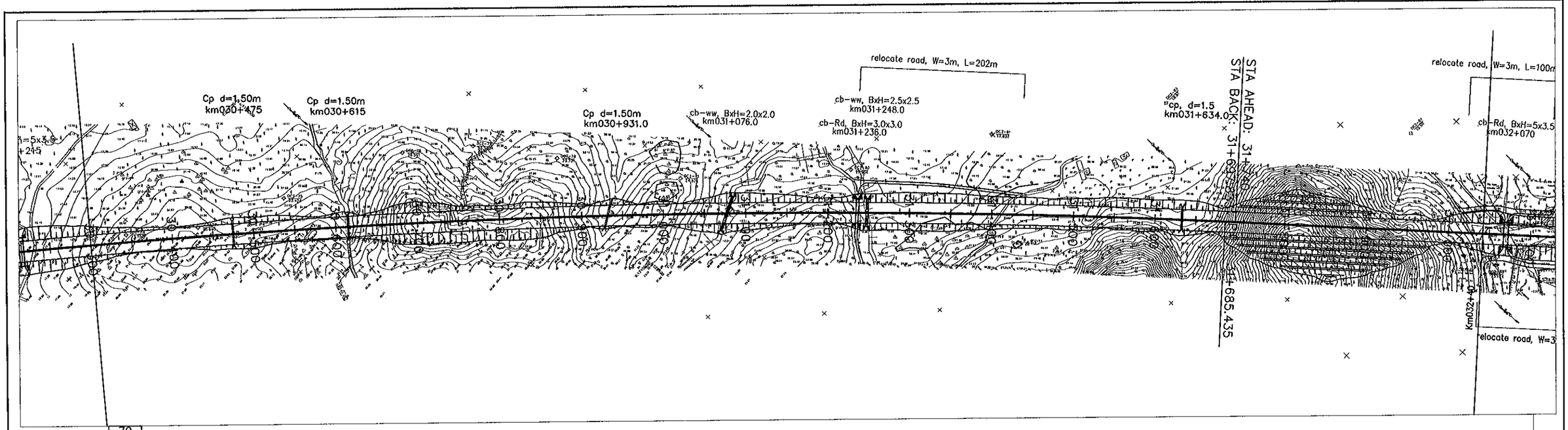
REMARKS:

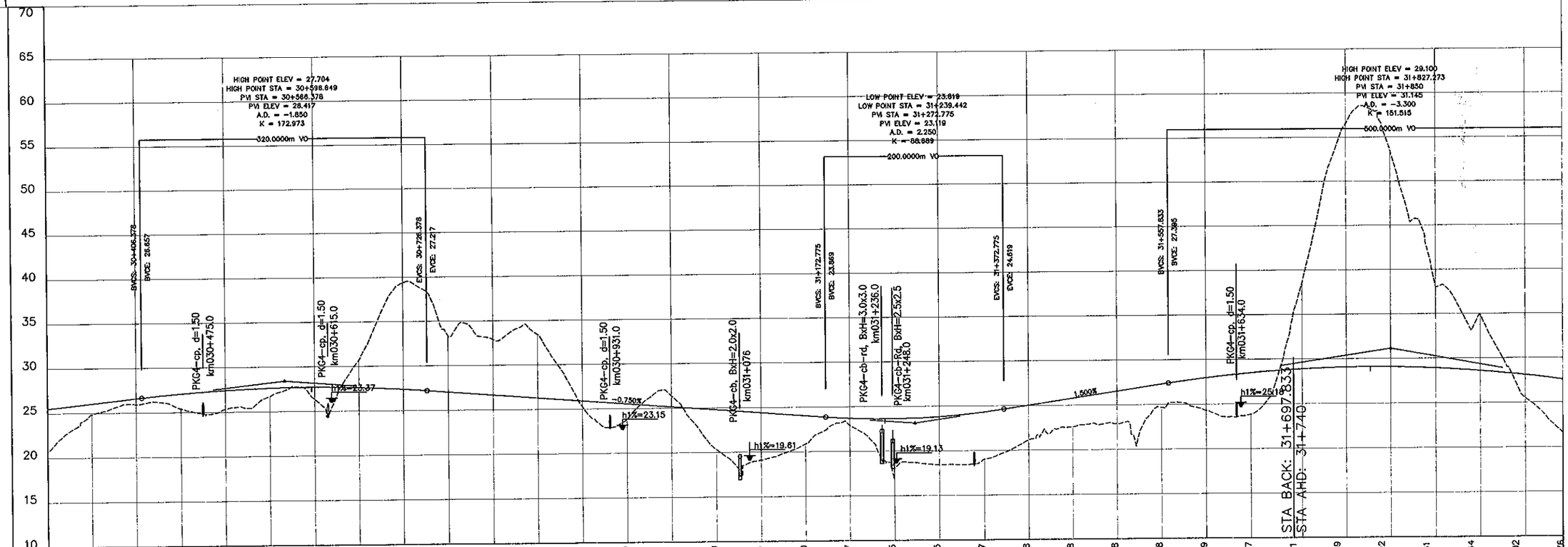
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 4 Station: Km21+500 - Km32+600

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 21+500.00 -:- 32+600.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 21+500.00 -:- 32+600.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG4-BD-PP-060	3

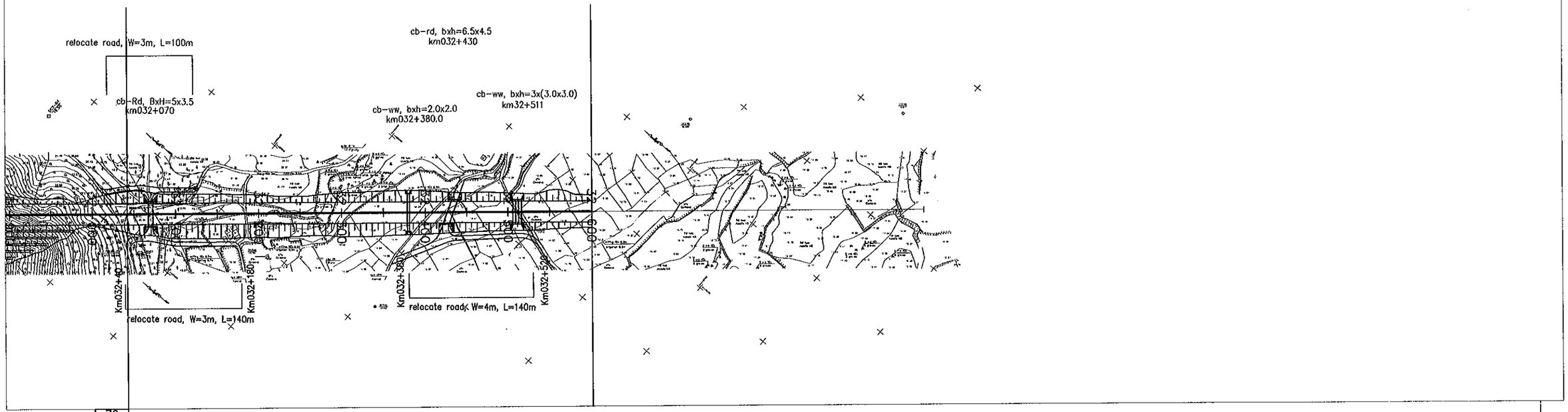


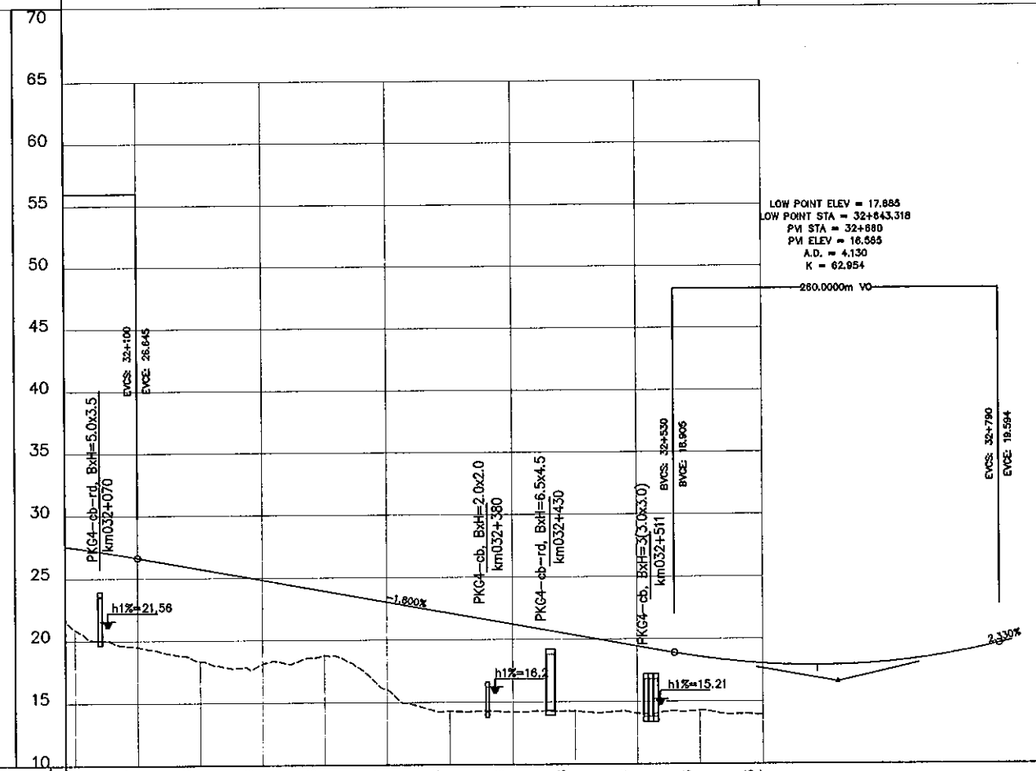


STATION	30+300	30+350	30+400	30+450	30+500	30+550	30+600	30+650	30+700	30+750	30+800	30+850	30+900	30+950	31+000	31+050	31+100	31+150	31+200	31+250	31+300	31+350	31+400	31+450	31+500	31+550	31+600	31+650	31+742	31+792	31+842	31+892	31+942	31+992	32+042
EXISTING GROUND	20.661	24.850	25.947	25.414	25.333	26.717	26.367	30.702	39.367	33.355	32.915	33.423	25.255	23.798	26.378	20.332	19.119	20.881	22.907	18.090	18.457	19.034	21.128	22.575	22.894	24.685	24.308	23.850	35.888	54.928	55.733	41.755	33.497	26.693	21.588
FINISHED GRADE	25.487	26.037	26.587	27.082	27.434	27.641	27.703	27.621	27.395	27.040	26.665	26.290	25.915	25.540	25.165	24.790	24.415	24.040	23.707	23.625	23.825	24.307	25.028	25.778	26.528	27.278	27.969	28.497	28.861	29.059	29.092	28.961	28.664	28.202	27.576

MINISTRY OF TRANSPORT VIETNAM	ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: 4 Station: Km21+500 - Km32+600
CLIENT: VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT CONSULTANT: PROJECT MANAGEMENT UNIT NO.85	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	PLAN AND PROFILE: STA 21+500.00 -:- 32+600.00 BÌNH ĐỒ VÀ TRẮC DỌC: STA 21+500.00 -:- 32+600.00

	PREPARED BY	CHECKED BY	APPROVED BY	SCALE	DRAWING NO.	REV. NO.
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO	H:1/5,000 V:1/500	PKG4-BD-PP-070	3
SIGNATURE						
DATE						





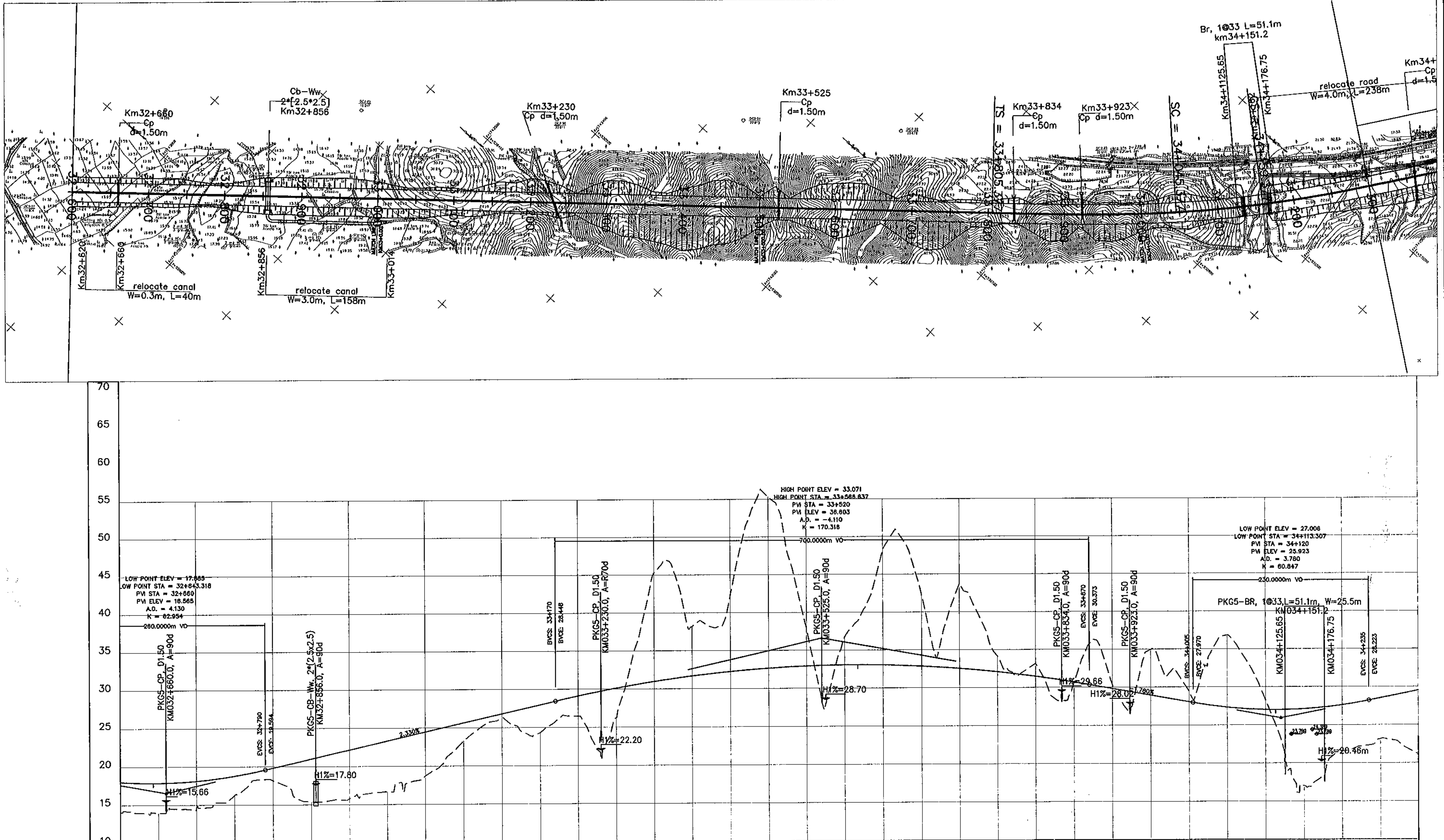
FINISHED GRADE	27.576	26.784	25.886	24.986	24.086	23.186	22.286	21.386	20.486	19.586	18.698	18.093 18.031
EXISTING GROUND	21.568	19.596	18.627	17.734	18.593	16.526	14.267	14.223	14.274	14.224	14.233	13.981
STATION	32+042	32+092	32+142	32+192	32+242	32+292	32+342	32+392	32+442	32+492	32+542	32+592 32+600

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 4 Station: Km21+500 - Km32+600

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN AND PROFILE: STA 21+500.00 -:- 32+600.00 BÌNH ĐỒ VÀ TRẮC DỌC: STA 21+500.00 -:- 32+600.00		
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO	SCALE	DRAWING NO.	REV. NO.
SIGNATURE				H:1/5,000 V:1/500	PKG4-BD-PP-080	3
DATE						

D1-6. PACKAGE 5
D1-6. GÓI THẦU 5



STATION	32+600	32+650	32+700	32+750	32+800	32+850	32+900	32+950	33+000	33+050	33+100	33+150
FINISHED GRADE	18.034	17.889	18.140	18.789	19.827	20.992	22.157	23.322	24.487	25.652	26.817	27.982
EXISTING GROUND	14.071	13.985	14.671	16.265	18.168	15.386	15.805	16.682	18.736	23.288	26.277	24.341

STATION	33+200	33+250	33+300	33+350	33+400	33+450	33+500	33+550	33+600	33+650	33+700	33+750
FINISHED GRADE	29.121	30.124	30.981	31.691	32.254	32.670	32.940	33.063	33.039	32.868	32.551	32.086
EXISTING GROUND	26.461	26.230	45.268	38.136	42.364	55.335	37.878	36.739	48.316	42.238	43.745	34.153

STATION	33+800	33+850	33+900	33+950	34+000	34+050	34+100	34+150	34+200	34+250	34+300
FINISHED GRADE	31.475	30.717	29.839	28.949	28.059	27.335	27.021	27.117	27.624	28.523	29.523
EXISTING GROUND	33.157	30.660	30.324	34.962	29.379	36.828	28.280	17.034	21.578	23.170	21.139

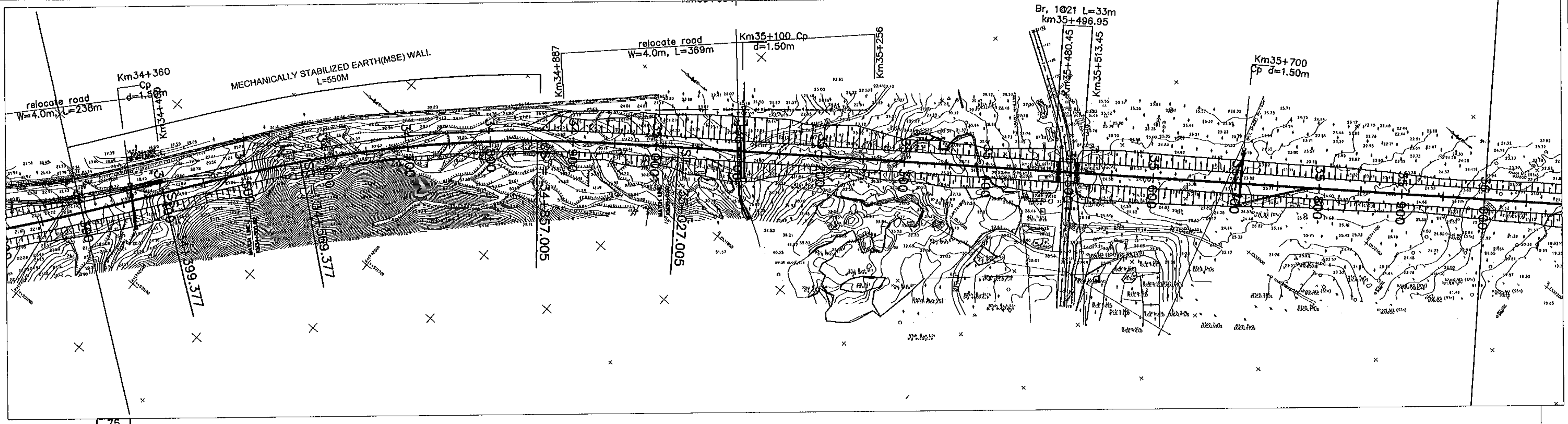
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

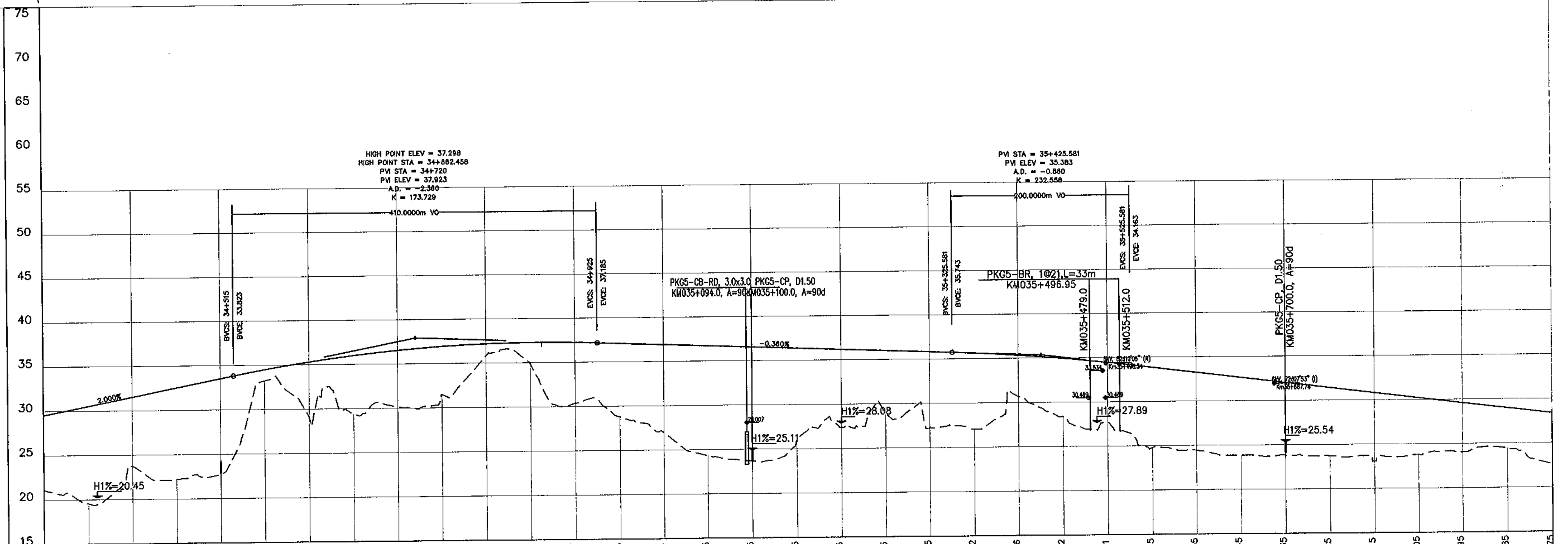
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 5 Station: Km32+600 - Km42+000

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN VU MANH	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 32+600.00 -:- 42+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 32+600.00 -:- 42+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG5-BD-PP-010	3





STATION	34+300	34+350	34+400	34+450	34+500	34+550	34+600	34+650	34+700	34+750	34+800	34+850
FINISHED GRADE	29.523	30.523	31.523	32.523	33.523	34.488	35.315	35.998	36.538	36.934	37.185	37.293
EXISTING GROUND	21.139	19.567	23.709	22.205	22.708	33.216	28.990	29.383	30.143	31.482	35.822	34.803

STATION	34+900	34+950	35+000	35+050	35+100	35+150	35+200	35+250	35+300	35+350	35+400	35+450
FINISHED GRADE	37.257	37.095	36.915	36.735	36.555	36.375	36.195	36.015	35.835	35.642	35.356	34.962
EXISTING GROUND	30.378	28.787	26.957	24.326	23.679	26.018	27.386	28.885	27.188	27.043	30.702	28.370

STATION	35+500	35+550	35+600	35+650	35+700	35+750	35+800	35+850	35+900	35+950	36+000
FINISHED GRADE	34.461	33.865	33.255	32.645	32.035	31.425	30.815	30.205	29.595	28.985	28.375
EXISTING GROUND	27.729	24.797	24.450	23.862	23.834	23.713	23.089	23.775	24.062	24.398	22.613

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

REMARKS:

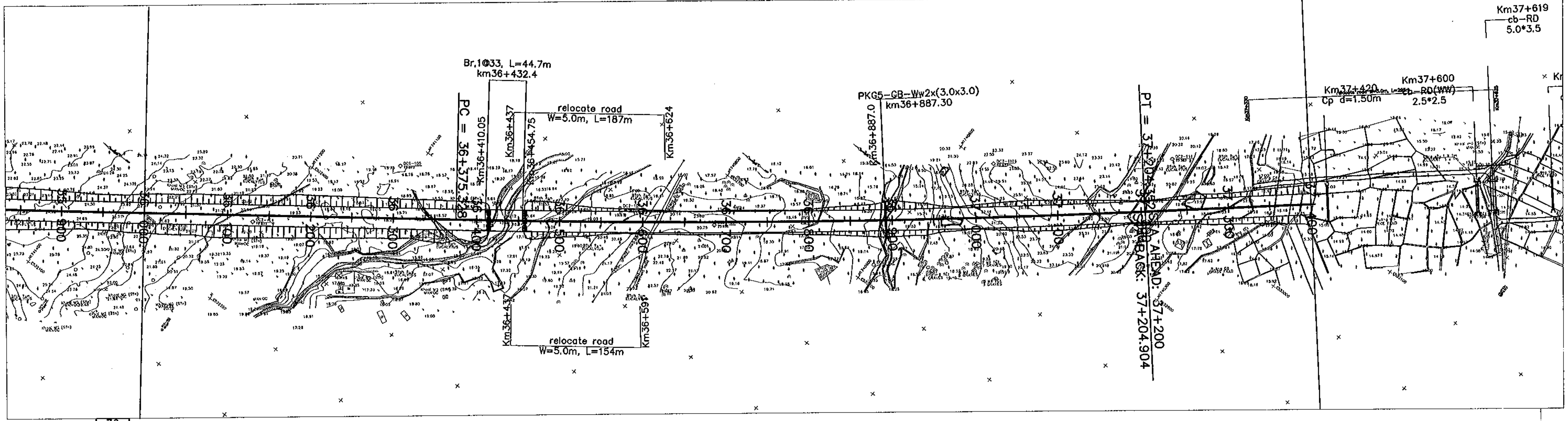
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

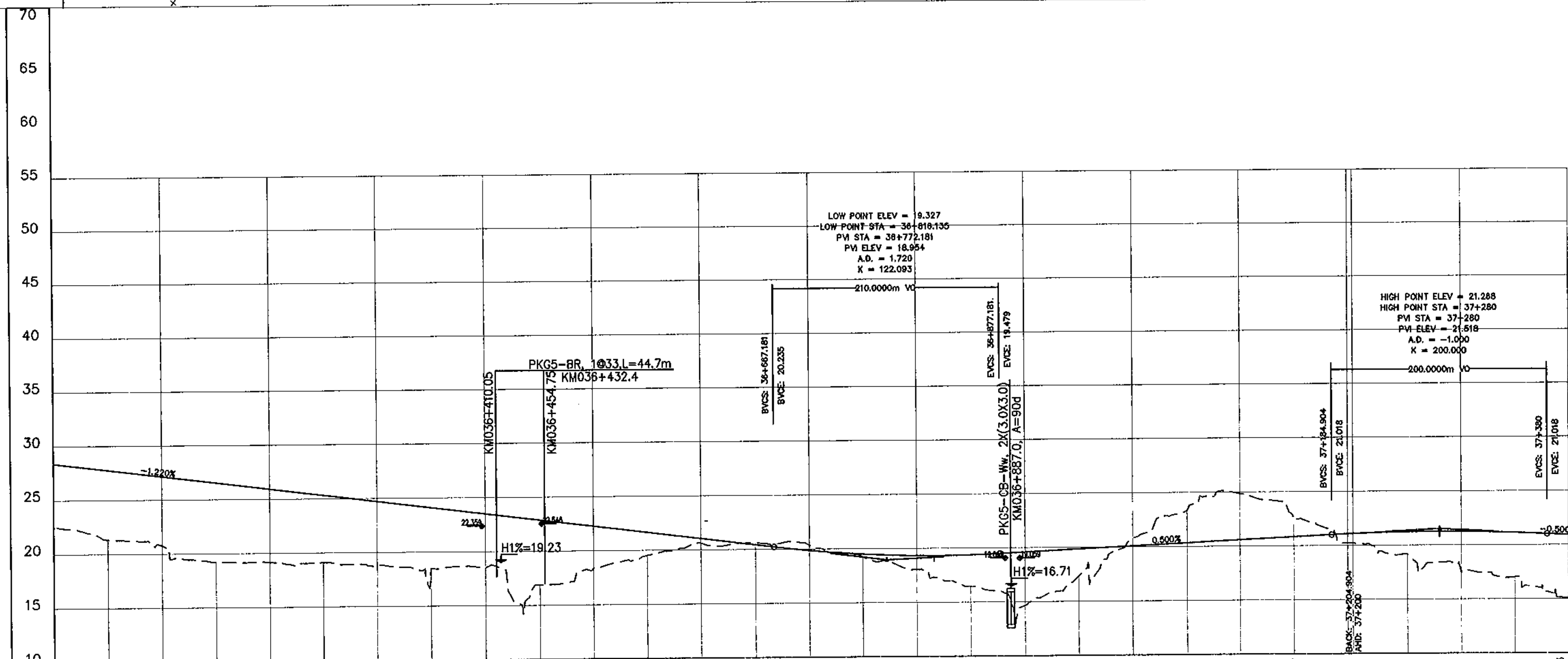
Package: 5 Station: Km32+600 - Km42+000

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN VU MANH	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 32+600.00 -:- 42+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 32+600.00 -:- 42+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG5-BD-PP-020	3





STATION	36+000	36+050	36+100	36+150	36+200	36+250	36+300	36+350	36+400	36+450	36+500	36+550	36+600	36+650	36+700
FINISHED GRADE	28.375	27.765	27.155	26.545	25.935	25.325	24.715	24.105	23.495	22.885	22.275	21.665	21.055	20.445	19.879
EXISTING GROUND	22.613	21.331	20.770	19.206	19.173	19.099	18.825	18.476	18.568	16.881	18.382	19.523	20.617	20.623	20.357

STATION	36+750	36+800	36+850	36+900	36+950	37+000	37+050	37+100	37+150	37+200	37+245	37+295	37+345	37+395 37+400
FINISHED GRADE	19.506	19.337	19.374	19.593	19.843	20.093	20.343	20.593	20.843	21.088	21.238	21.262	21.152	20.943
EXISTING GROUND	19.240	18.067	16.461	14.693	17.346	20.799	23.331	24.867	22.385	20.221	19.168	18.229	16.992	15.133

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

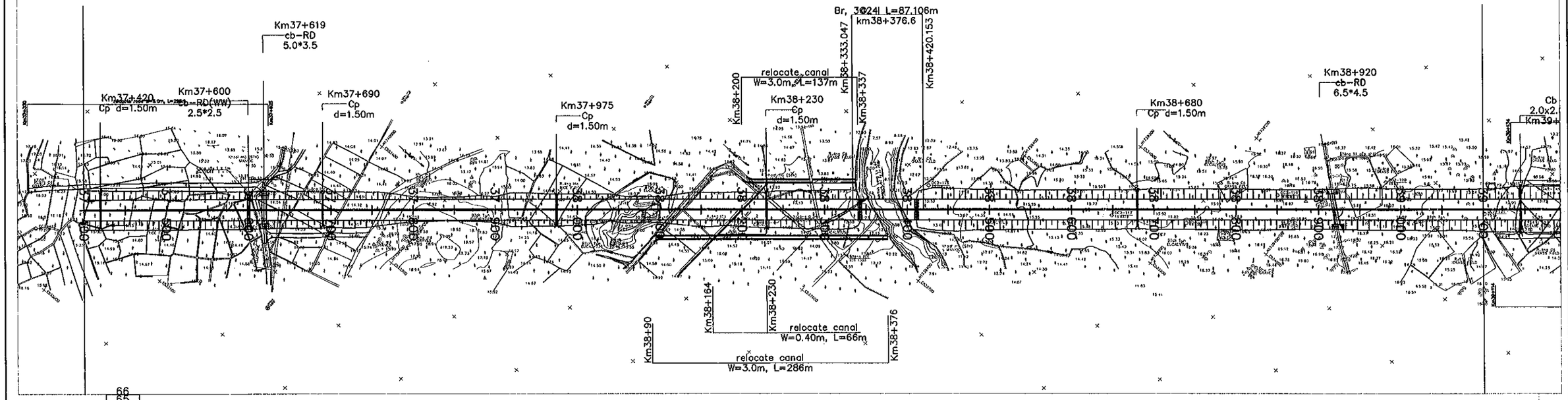
REMARKS:

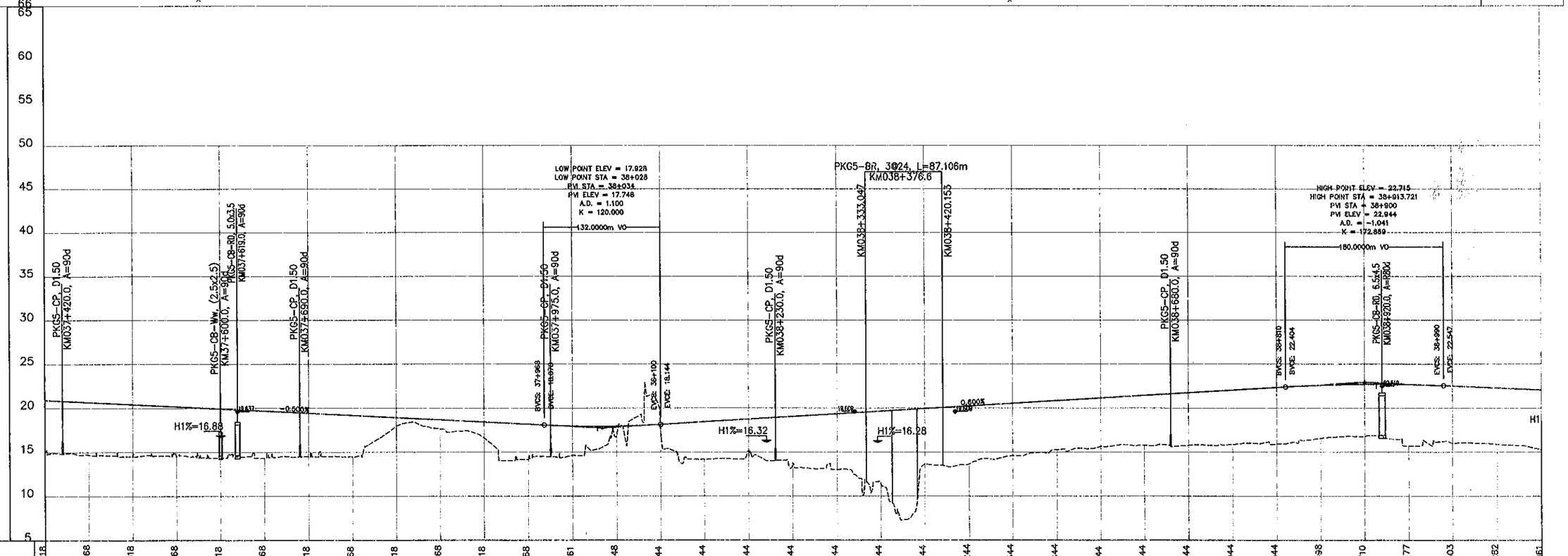
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 5 Station: Km32+600 - Km42+000

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN VU MANH	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	(signed)	(signed)	(signed)
DATE			

PLAN AND PROFILE: STA 32+600.00 -:- 42+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 32+600.00 -:- 42+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG5-BD-PP-030	3

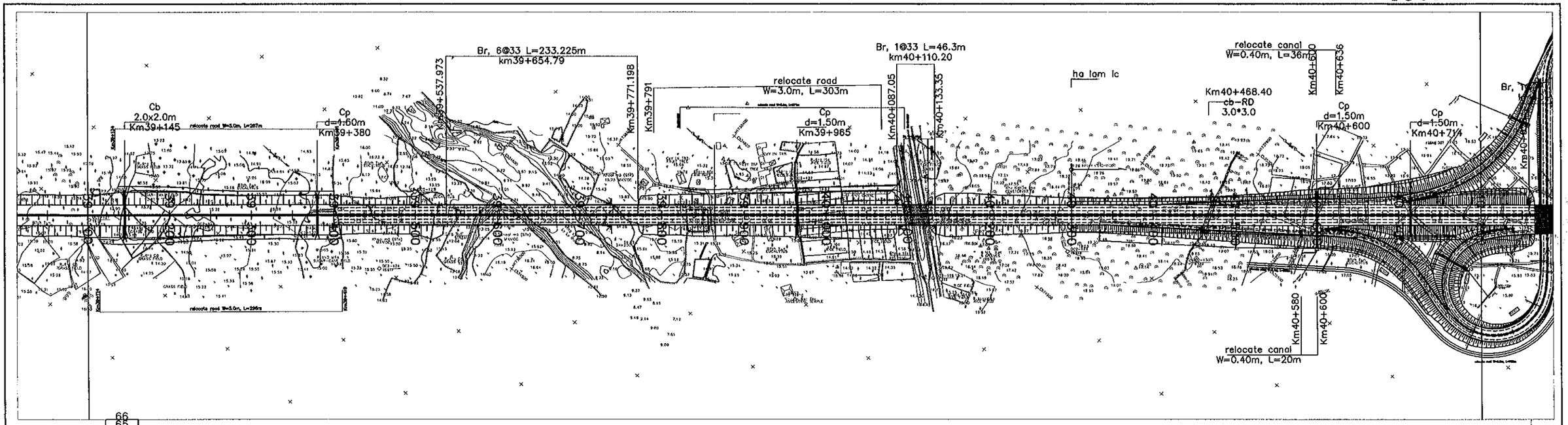


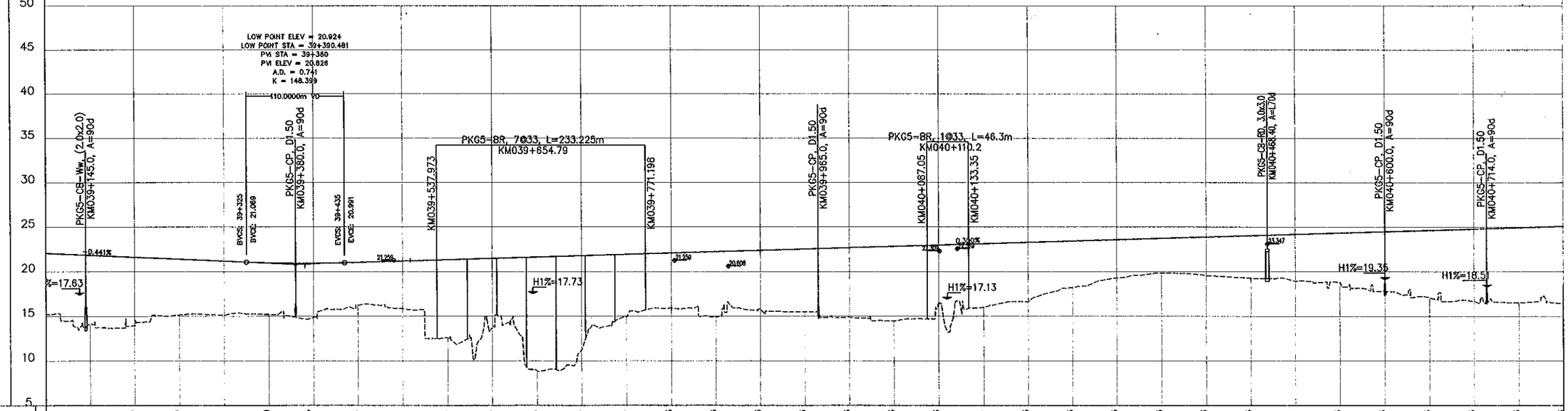


STATION	37+400	37+450	37+500	37+550	37+600	37+650	37+700	37+750	37+800	37+850	37+900	37+950	38+000	38+050	38+100	38+150	38+200	38+250	38+300	38+350	38+400	38+450	38+500	38+550	38+600	38+650	38+700	38+750	38+800	38+850	38+900	38+950	39+000	39+050	39+100
EXISTING GROUND	15.120	14.716	14.480	14.537	14.380	14.302	14.480	14.463	18.000	17.651	16.630	14.150	14.650	16.882	17.291	14.165	15.040	13.661	13.030	11.354	13.670	13.685	14.610	15.289	15.630	15.763	15.770	15.871	15.920	16.573	16.810	15.895	16.000	15.878	15.280
FINISHED GRADE	20.918	20.668	20.418	20.168	19.918	19.668	19.418	19.168	18.918	18.668	18.418	18.168	17.961	17.948	18.144	18.444	18.744	19.044	19.344	19.644	19.944	20.244	20.544	20.844	21.144	21.444	21.744	22.044	22.344	22.598	22.710	22.677	22.503	22.282	22.061

MINISTRY OF TRANSPORT VIETNAM	ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: 5 Station: Km32+600 - Km42+000
CLIENT: VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT CONSULTANT: PROJECT MANAGEMENT UNIT NO.85	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	PLAN AND PROFILE: STA 32+600.00 -:- 42+000.00 BÌNH ĐỒ VÀ TRẮC DỌC: STA 32+600.00 -:- 42+000.00

	PREPARED BY	CHECKED BY	APPROVED BY	SCALE	DRAWING NO.	REV. NO.
NAME	NGUYEN VU MANH	TAKAYASU NAGAI	I. ISHIMOTO			
SIGNATURE				H:1/5,000 V:1/500	PKG5-BD-PP-040	2
DATE						





STATION	FINISHED GRADE	EXISTING GROUND
39+100	22.061	15.280
39+150	21.841	14.129
39+200	21.620	13.960
39+250	21.400	15.148
39+300	21.179	15.110
39+350	20.979	15.205
39+400	20.927	14.880
39+450	21.036	16.237
39+500	21.186	15.840
39+550	21.336	12.577
39+600	21.486	13.720
39+650	21.636	8.877
39+700	21.786	11.211
39+750	21.936	14.891
39+800	22.086	15.960
39+850	22.236	14.914
39+900	22.386	15.790
39+950	22.536	15.484
40+000	22.686	14.900
40+050	22.836	14.459
40+100	22.986	16.260
40+150	23.136	16.032
40+200	23.286	16.530
40+250	23.436	18.224
40+300	23.586	19.300
40+350	23.736	19.831
40+400	23.886	19.570
40+450	24.036	19.270
40+500	24.186	18.920
40+550	24.336	18.754
40+600	24.486	17.850
40+650	24.636	17.109
40+700	24.786	16.670
40+750	24.936	16.539
40+800	25.086	16.610

MINISTRY OF TRANSPORT VIETNAM

CLIENT: VIETNAM EXPRESSWAY CORPORATION

PROJECT MANAGEMENT CONSULTANT: PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

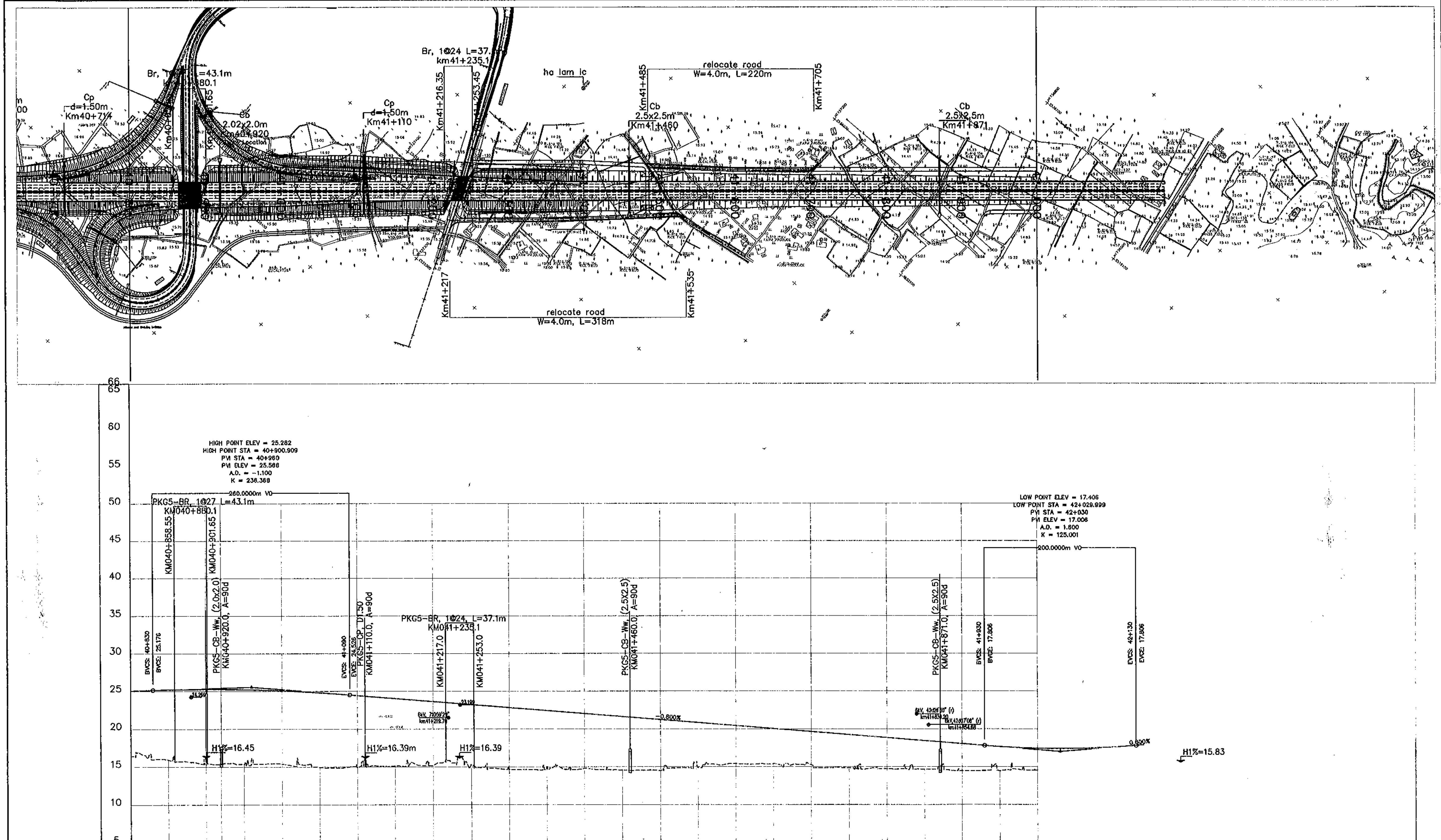
REMARKS:

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 5 Station: Km32+600 - Km42+000

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN VU MANH	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 32+600.00 -:- 42+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 32+600.00 -:- 42+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG5-BD-PP-050	2



FINISHED GRADE	25.085	25.227	25.282	25.231	25.075	24.812	24.446	24.046	23.646	23.246	22.846	22.446	22.046	21.646	21.246	20.846	20.446	20.046	19.646	19.246	18.846	18.446	18.046	17.662	17.442
EXISTING GROUND	16.410	15.946	16.170	15.355	15.390	14.961	14.990	15.131	15.160	15.283	14.680	14.807	14.830	14.565	14.500	14.924	15.420	15.420	15.260	14.855	14.750	14.685	14.500	14.464	14.550
STATION	40+800	40+850	40+900	40+950	41+000	41+050	41+100	41+150	41+200	41+250	41+300	41+350	41+400	41+450	41+500	41+550	41+600	41+650	41+700	41+750	41+800	41+850	41+900	41+950	42+000

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85	

REMARKS:

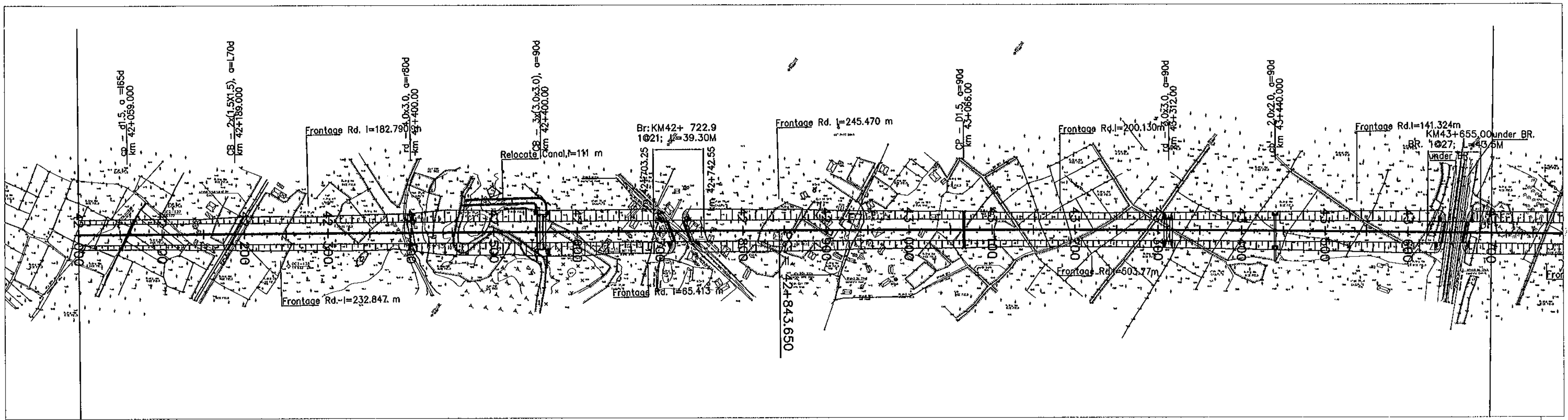
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 5 Station: Km32+600 - Km42+000

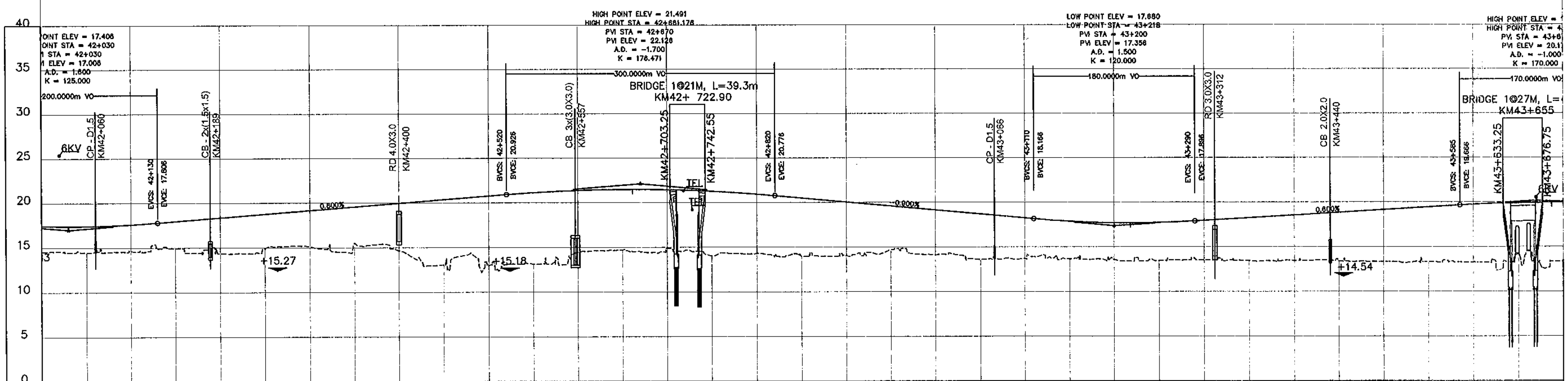
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN VU MANH	TAKAYASU NAGAI	I. SHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 32+600.00 -:- 42+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 32+600.00 -:- 42+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG5-BD-PP-060	2

D1-7. PACKAGE 6
D1-7. GÓI THẦU 6





STATION	42+000	42+050	42+100	42+150	42+200	42+250	42+300	42+350	42+400	42+450	42+500	42+550
FINISHED GRADE	17.442	17.422	17.602	17.966	18.366	18.766	19.166	19.566	19.966	20.366	20.766	21.140
EXISTING GROUND	14.550	14.505	14.630	14.938	14.390	14.925	15.140	15.489	14.660	13.073	13.009	13.139

STATION	42+600	42+650	42+700	42+750	42+800	42+850	42+900	42+950	43+000	43+050	43+100	43+150
FINISHED GRADE	21.385	21.487	21.448	21.267	20.945	20.506	20.056	19.606	19.156	18.706	18.256	17.873
EXISTING GROUND	14.449	14.713	14.900	14.022	14.307	13.989	14.030	14.684	14.108	13.583	13.707	13.647

STATION	43+200	43+250	43+300	43+350	43+400	43+450	43+500	43+550	43+600	43+650	43+700
FINISHED GRADE	17.693	17.723	17.956	18.256	18.555	18.856	19.156	19.456	19.749	19.932	19.967
EXISTING GROUND	13.570	13.441	13.526	13.462	13.431	13.374	13.360	13.320	13.284	14.212	13.315

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

REMARKS:

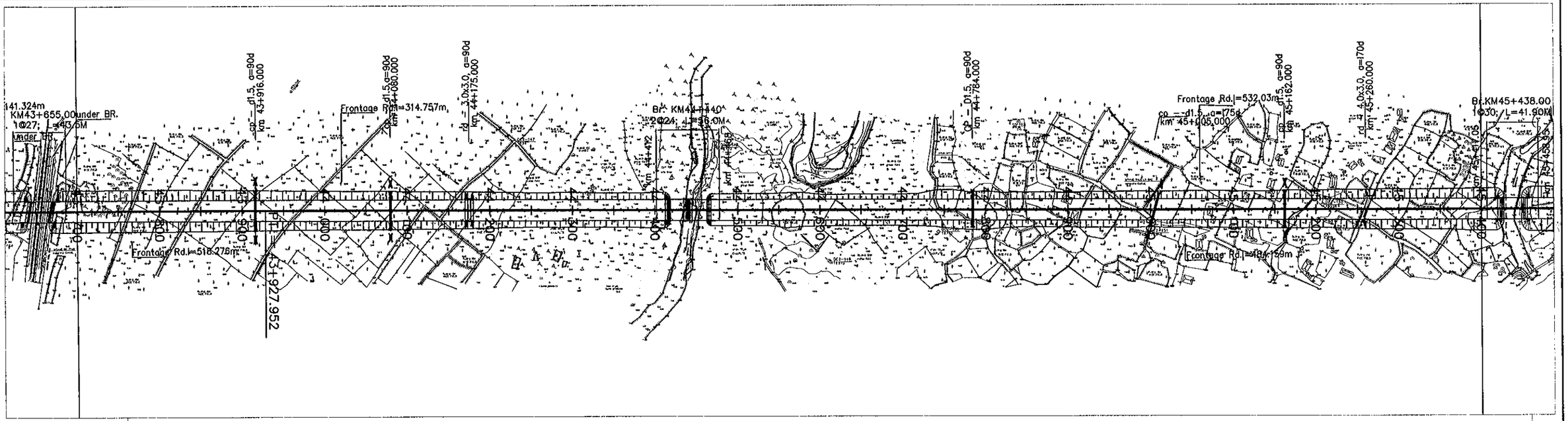
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

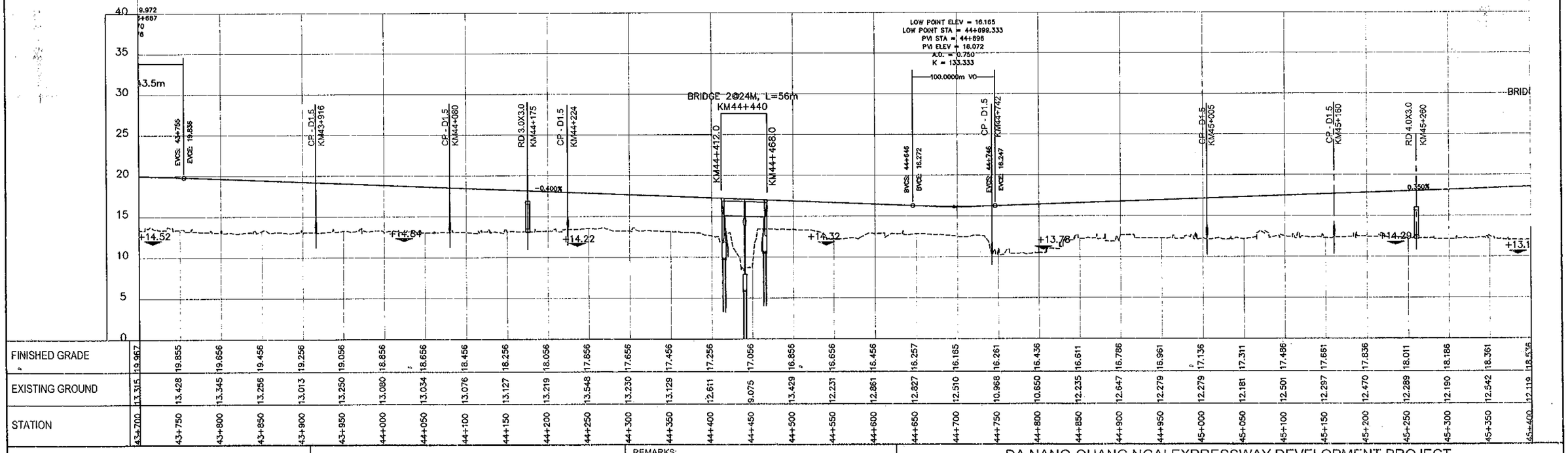
Package: 6 Station: Km42+000 - Km52+000

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN N. SI	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 42+000.00 -:- 52+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 42+000.00 -:- 52+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG6-BD-PP-010	2





STATION	EXISTING GROUND	FINISHED GRADE
43+700	13.315	19.967
43+750	13.428	19.855
43+800	13.345	19.656
43+850	13.256	19.456
43+900	13.013	19.256
43+950	13.250	19.056
44+000	13.080	18.856
44+050	13.034	18.656
44+100	13.076	18.456
44+150	13.127	18.256
44+200	13.219	18.056
44+250	13.548	17.856
44+300	13.230	17.656
44+350	13.129	17.456
44+400	12.611	17.256
44+450	9.075	17.056
44+500	13.429	16.855
44+550	12.231	16.656
44+600	12.861	16.456
44+650	12.827	16.257
44+700	12.510	16.165
44+750	10.968	16.261
44+800	10.650	16.436
44+850	12.235	16.611
44+900	12.647	16.786
44+950	12.279	16.961
45+000	12.279	17.136
45+050	12.181	17.311
45+100	12.501	17.486
45+150	12.297	17.661
45+200	12.470	17.836
45+250	12.289	18.011
45+300	12.190	18.186
45+350	12.542	18.361
45+400	12.119	18.536

MINISTRY OF TRANSPORT VIETNAM

CLIENT: VIETNAM EXPRESSWAY CORPORATION

PROJECT MANAGEMENT CONSULTANT: PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

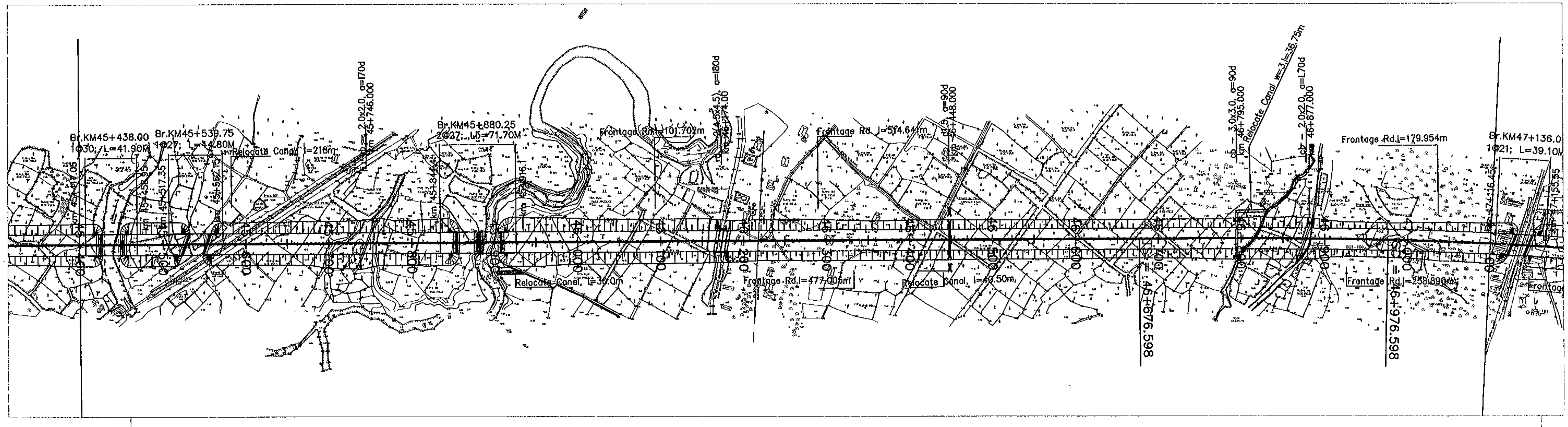
REMARKS:

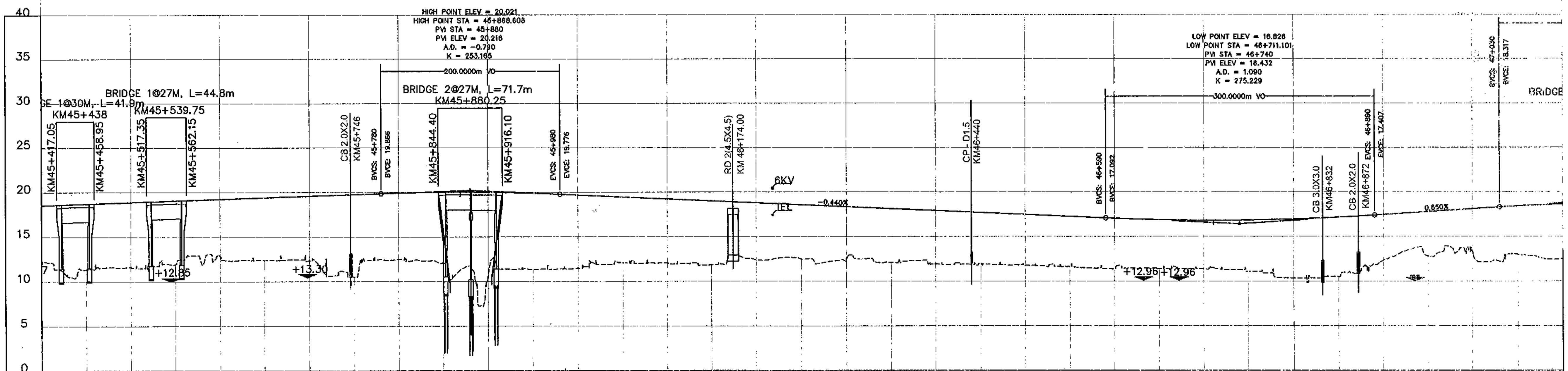
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 6 Station: Km42+000 - Km52+000

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN N. SI	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 42+000.00 -:- 52+000.00
BÌNH ĐỒ VÀ TRÁC DỌC: STA 42+000.00 -:- 52+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG6-BD-PP-020	2





STATION	FINISHED GRADE	EXISTING GROUND
45+400	18.536	12.119
45+450	18.711	11.358
45+500	18.886	11.640
45+550	19.061	11.933
45+600	19.236	12.786
45+650	19.411	12.380
45+700	19.586	12.349
45+750	19.761	10.511
45+800	19.928	12.499
45+850	20.014	11.907
45+900	20.002	10.379
45+950	19.890	11.339
46+000	19.688	11.490
46+050	19.468	12.098
46+100	19.248	12.120
46+150	19.028	11.854
46+200	18.808	12.401
46+250	18.588	12.486
46+300	18.368	12.590
46+350	18.148	12.119
46+400	17.928	11.960
46+450	17.708	11.974
46+500	17.488	11.761
46+550	17.268	11.633
45+600	17.050	11.370
46+650	16.893	11.405
46+700	16.828	11.400
46+750	16.853	11.091
46+800	16.969	10.331
46+850	17.176	10.521
46+900	17.472	12.343
46+950	17.797	12.611
47+000	18.122	13.286
47+050	18.436	12.995
47+100	18.634	12.521

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

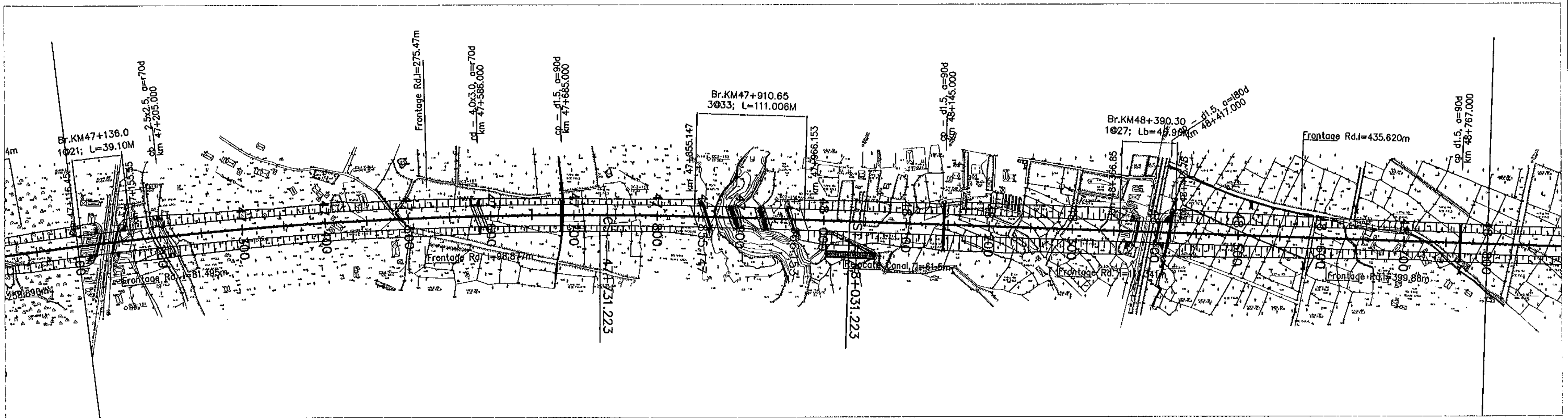
REMARKS:

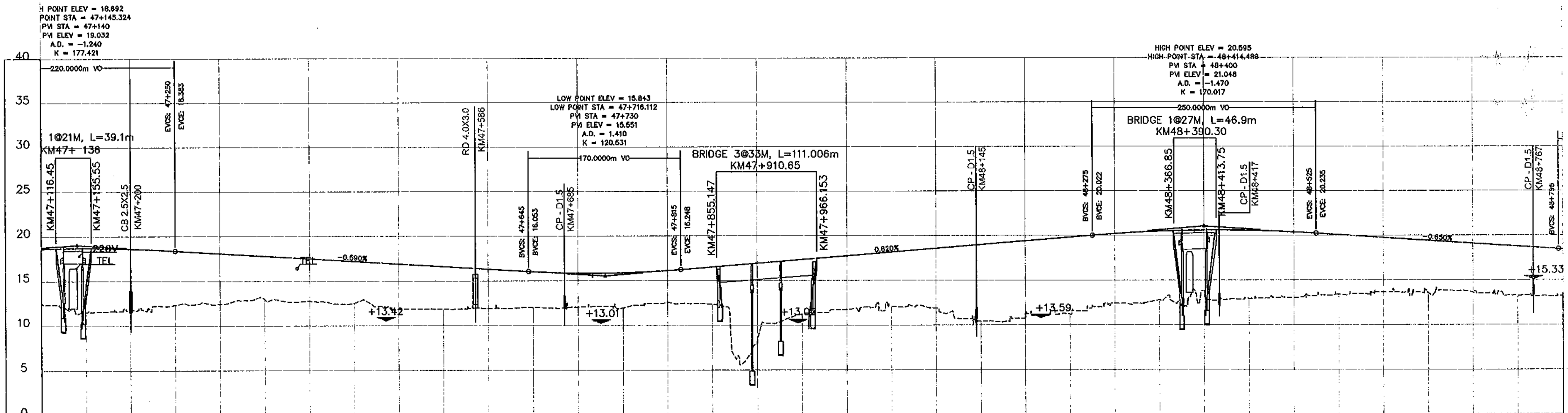
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 6 Station: Km42+000 - Km52+000

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN N.SI	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 42+000.00 -:- 52+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 42+000.00 -:- 52+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG6-BD-PP-030	2





FINISHED GRADE	18.634	18.691	18.608	18.383	18.088	17.793	17.498	17.203	16.908	16.613	16.318	16.024
EXISTING GROUND	12.521	11.552	11.766	12.330	12.441	12.921	12.749	12.517	11.841	11.864	11.920	12.037
STATION	47+100	47+150	47+200	47+250	47+300	47+350	47+400	47+450	47+500	47+550	47+600	47+650

FINISHED GRADE	15.854	15.890	16.135	16.536	16.946	17.356	17.766	18.176	18.587	18.997	19.407	19.817
EXISTING GROUND	12.070	11.950	12.601	12.371	7.953	11.262	11.750	12.127	11.899	10.421	11.218	11.215
STATION	47+700	47+750	47+800	47+850	47+900	47+950	48+000	48+050	48+100	48+150	48+200	48+250

FINISHED GRADE	20.209	20.472	20.588	20.558	20.380	20.073	19.748	19.423	19.098	18.773	18.449
EXISTING GROUND	12.420	12.794	13.816	12.947	13.020	13.385	13.640	13.582	13.619	13.266	13.220
STATION	48+300	48+350	48+400	48+450	48+500	48+550	48+600	48+650	48+700	48+750	48+800

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

REMARKS:

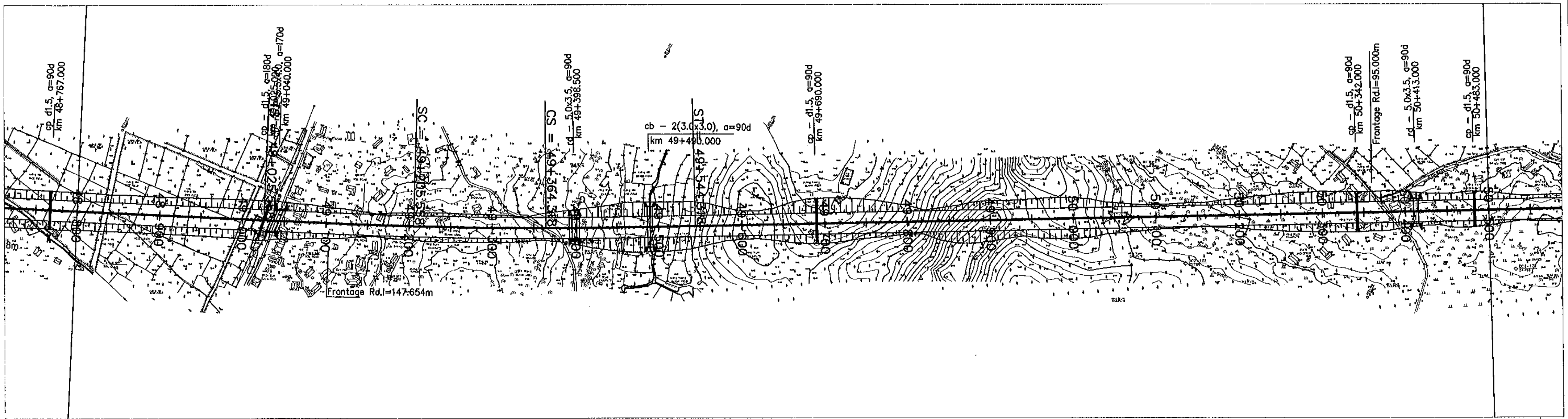
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

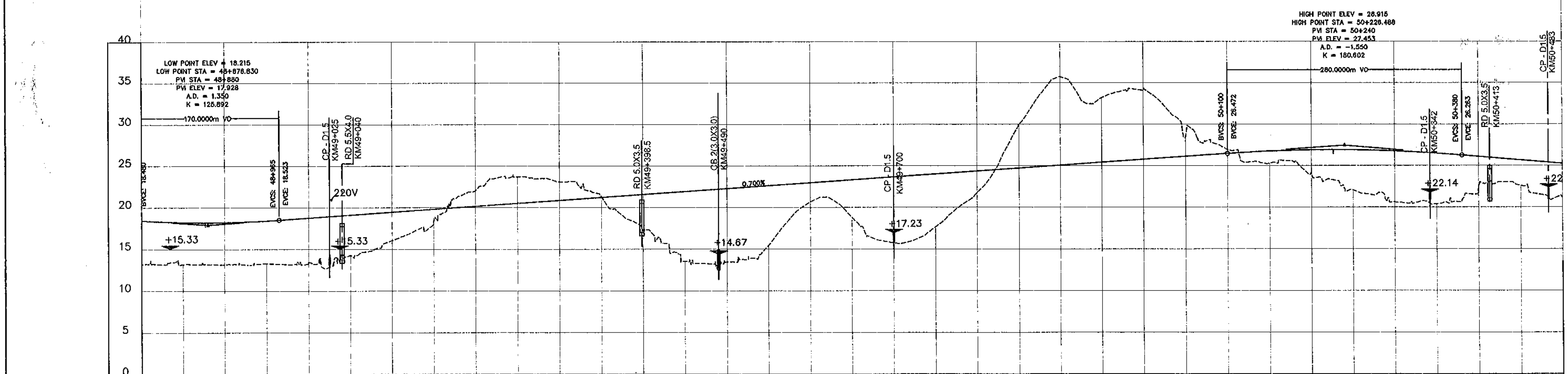
Package: 6 Station: Km42+000 - Km52+000

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN N. SI	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 42+000.00 -:- 52+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 42+000.00 -:- 52+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG6-BD-PP-040	2





STATION	48+800	48+850	48+900	48+950	49+000	49+050	49+100	49+150	49+200	49+250	49+300	49+350
FINISHED GRADE	18.449	18.243	18.236	18.427	18.768	19.119	19.469	19.819	20.169	20.519	20.870	21.220
EXISTING GROUND	13.220	13.197	13.141	13.296	13.419	14.250	16.050	18.460	22.068	23.699	23.104	21.293

STATION	49+400	49+450	49+500	49+550	49+600	49+650	49+700	49+750	49+800	49+850	49+900	49+950
FINISHED GRADE	21.570	21.920	22.270	22.620	22.971	23.321	23.671	24.021	24.371	24.722	25.072	25.422
EXISTING GROUND	17.176	13.529	13.460	15.436	20.702	18.791	15.729	17.669	21.795	30.019	35.768	33.204

STATION	50+000	50+050	50+100	50+150	50+200	50+250	50+300	50+350	50+400	50+450	50+500
FINISHED GRADE	25.772	26.122	26.472	26.753	26.896	26.900	26.766	26.493	26.093	25.668	25.243
EXISTING GROUND	34.114	28.471	26.949	25.303	24.190	22.049	20.658	20.405	22.384	22.591	21.225

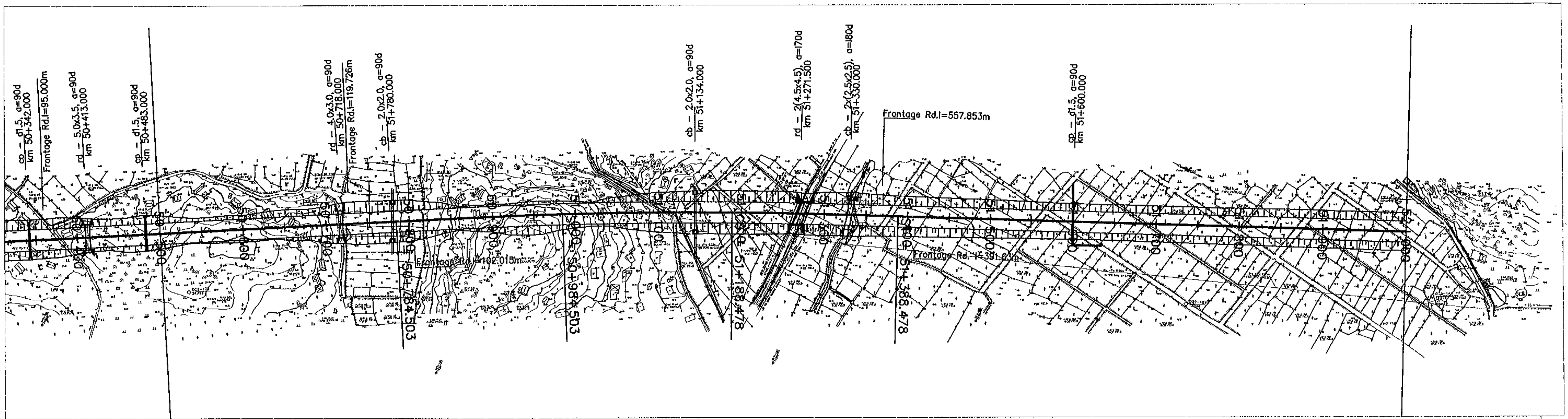
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

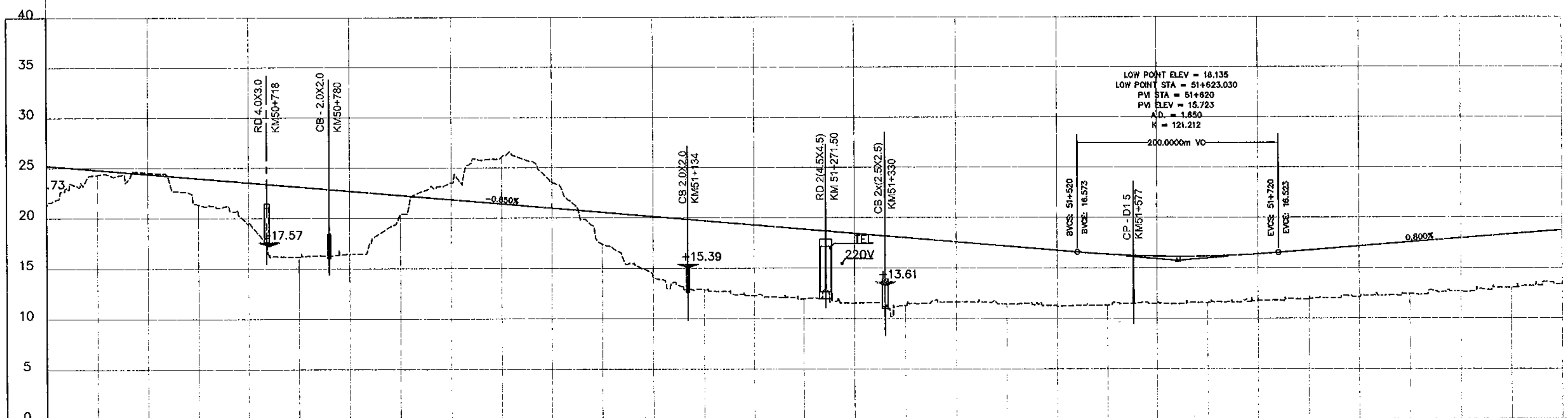
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 6 Station: Km42+000 - Km52+000

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN NG SI	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 42+000.00 -:- 52+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 42+000.00 -:- 52+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG6-BD-PP-050	2





FINISHED GRADE	25.243	24.818	24.393	23.968	23.543	23.118	22.693	22.268	21.843	21.418	20.993	20.568	20.143	19.718	19.293	18.868	18.443	18.018	17.593	17.168	16.743	16.355	16.157	16.165	16.380	16.763	17.163	17.563	17.963	18.363	18.763
EXISTING GROUND	21.225	24.334	24.530	21.334	19.643	16.145	16.430	20.337	23.526	26.064	23.524	17.412	14.060	12.889	12.293	11.951	11.538	11.284	11.611	11.431	11.206	11.310	11.463	11.563	11.772	12.116	12.101	12.425	12.702	13.037	13.382
STATION	50+500	50+550	50+600	50+650	50+700	50+750	50+800	50+850	50+900	50+950	51+000	51+050	51+100	51+150	51+200	51+250	51+300	51+350	51+400	51+450	51+500	51+550	51+600	51+650	51+700	51+750	51+800	51+850	51+900	51+950	52+000

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

REMARKS:

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

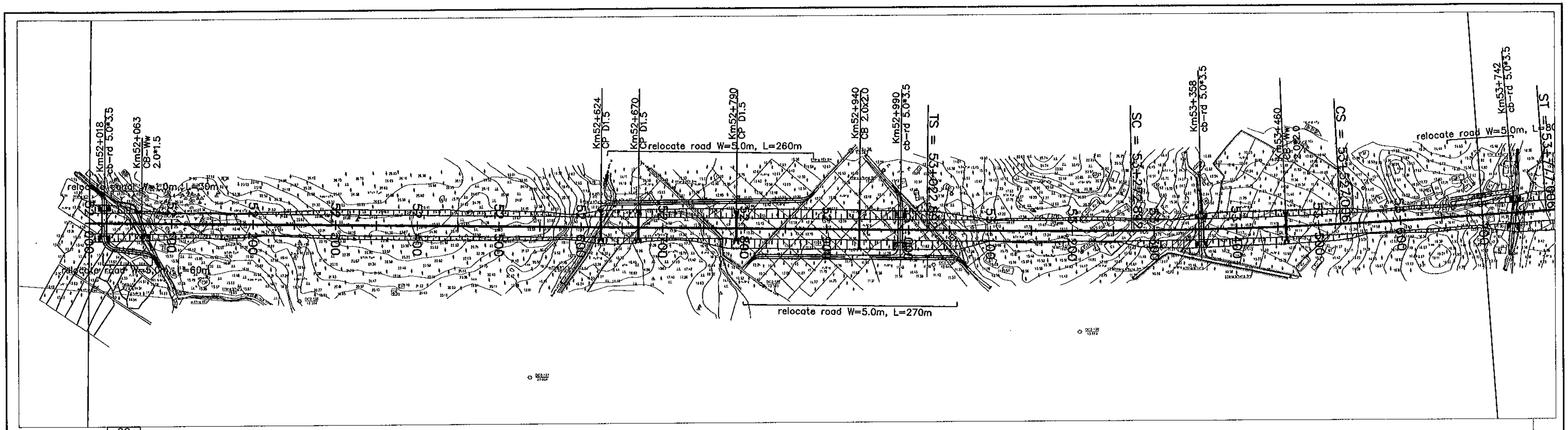
Package: 6 Station: Km42+000 - Km52+000

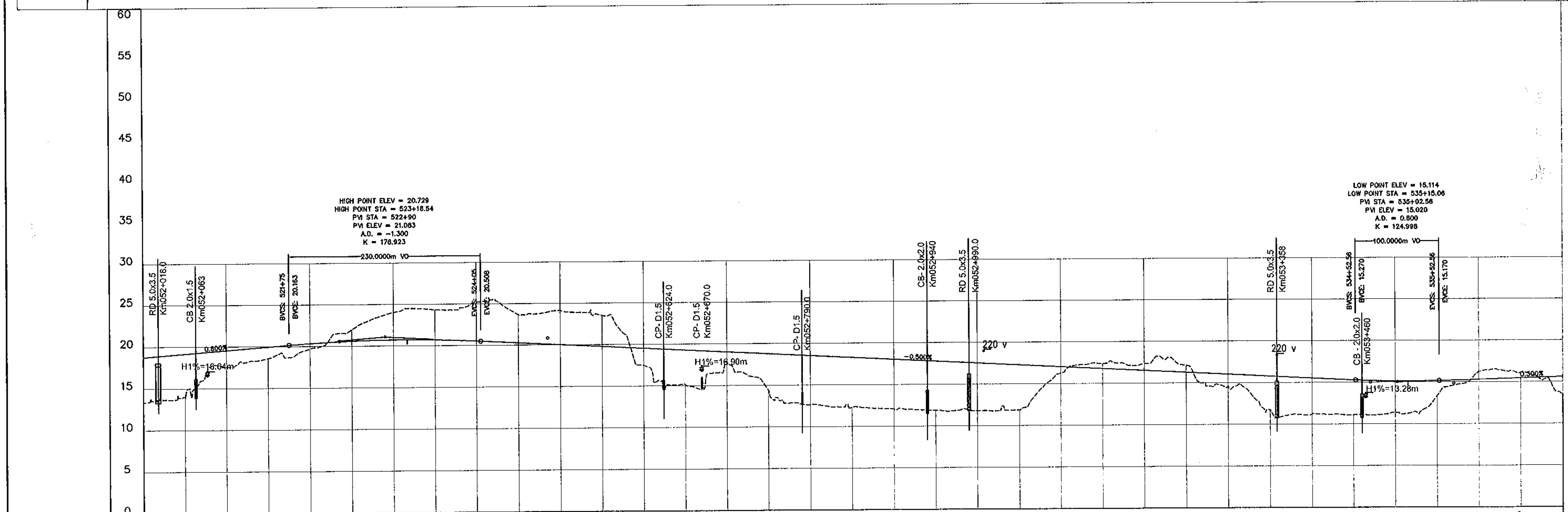
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN NGI SI	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 42+000.00 -:- 52+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 42+000.00 -:- 52+000.00

SCALE	DRAWING NO.	REV. NO.
H.1/5,000 V:1/500	PKG6-BD-PP-060	2

D1-8. PACKAGE 7
D1-8. GÓI THẦU 7





STATION	52+000	52+050	52+100	52+150	52+200	52+250	52+300	52+350	52+400	52+450	52+500	52+550
FINISHED GRADE	18.763	19.163	19.563	19.963	20.345	20.604	20.721	20.698	20.532	20.283	20.033	19.783
EXISTING GROUND	13.312	13.972	17.610	18.572	19.708	21.975	24.025	24.358	25.230	23.673	24.140	23.494

STATION	52+600	52+650	52+700	52+750	52+800	52+850	52+900	52+950	53+000	53+050	53+100	53+150
FINISHED GRADE	19.533	19.283	19.033	18.783	18.533	18.283	18.033	17.783	17.533	17.283	17.033	16.783
EXISTING GROUND	17.463	15.120	17.762	14.431	12.660	12.299	12.075	11.869	11.810	11.875	16.251	17.374

STATION	53+200	53+250	53+300	53+350	53+400	53+450	53+500	53+550	53+600	53+650	53+700
FINISHED GRADE	16.533	16.283	16.033	15.783	15.533	15.283	15.123	15.163	15.313	15.463	15.613
EXISTING GROUND	17.337	17.106	14.548	11.693	11.219	11.091	11.362	13.348	16.227	16.114	13.466

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

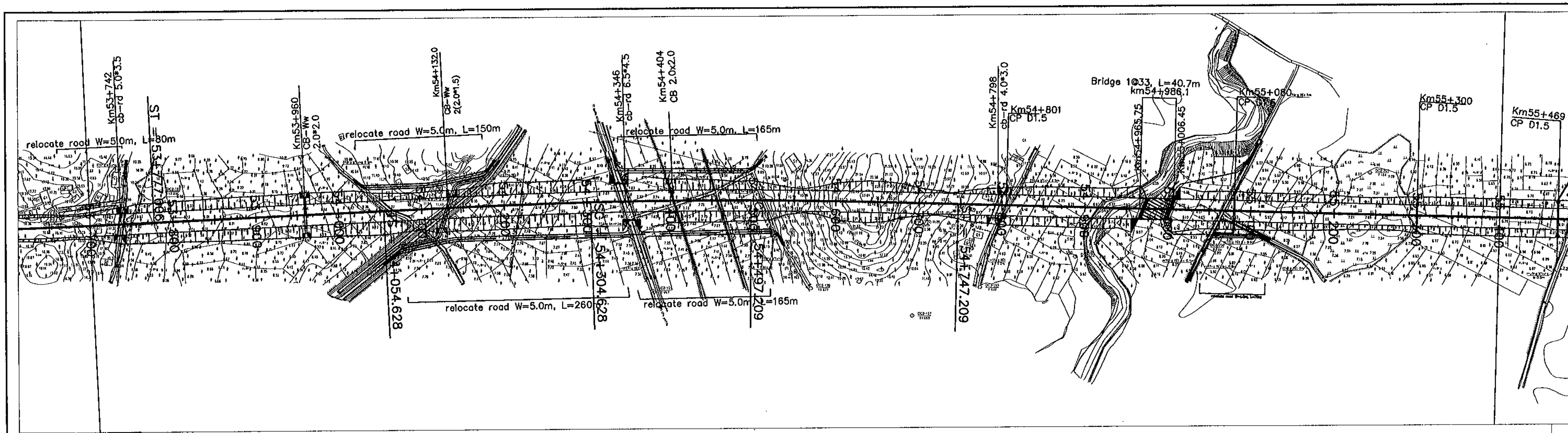
REMARKS:

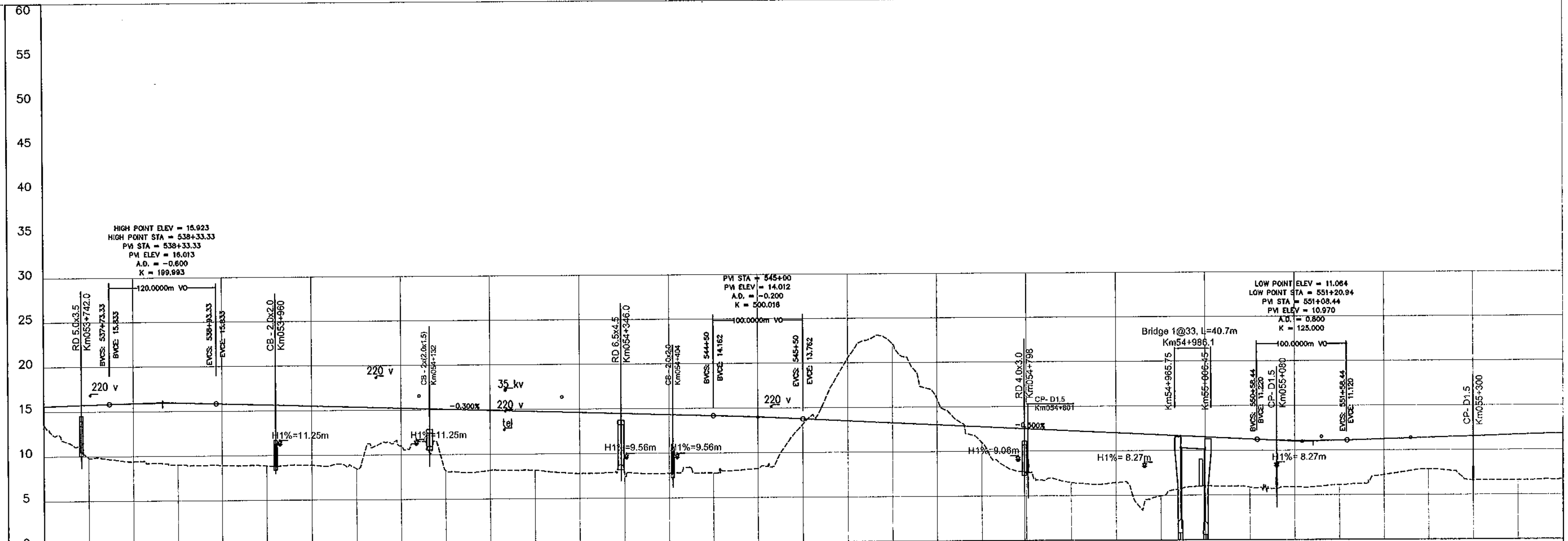
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 7 Station: Km52+000 - Km65+000

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	H. V. QUANG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 52+000.00 -:- 65+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 52+000.00 -:- 65+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG7-BD-PP-010	3





FINISHED GRADE	15.613	15.763	15.895	15.916	15.813	15.663	15.513	15.363	15.213	15.063	14.913	14.763
EXISTING GROUND	13.466	9.841	9.411	9.042	8.932	8.848	8.894	8.478	11.015	8.224	8.209	8.195
STATION	53+700	53+750	53+800	53+850	53+900	53+950	54+000	54+050	54+100	54+150	54+200	54+250

FINISHED GRADE	14.613	14.463	14.313	14.162	13.987	13.762	13.512	13.262	13.012	12.762	12.512	12.262
EXISTING GROUND	7.795	7.712	7.777	7.766	8.221	13.185	20.553	22.129	15.892	10.983	7.515	6.490
STATION	54+300	54+350	54+400	54+450	54+500	54+550	54+600	54+650	54+700	54+750	54+800	54+850

FINISHED GRADE	12.012	11.762	11.512	11.262	11.082	11.098	11.245	11.395	11.545	11.695	11.845
EXISTING GROUND	6.435	4.937	6.053	5.890	5.915	6.150	7.227	7.866	6.599	6.611	6.748
STATION	54+900	54+950	55+000	55+050	55+100	55+150	55+200	55+250	55+300	55+350	55+400

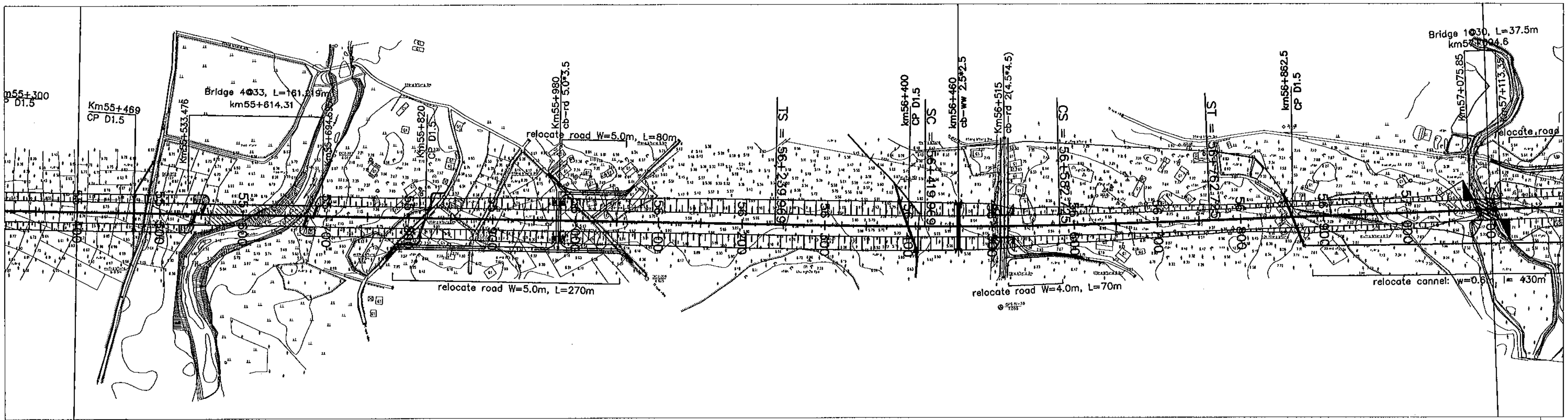
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

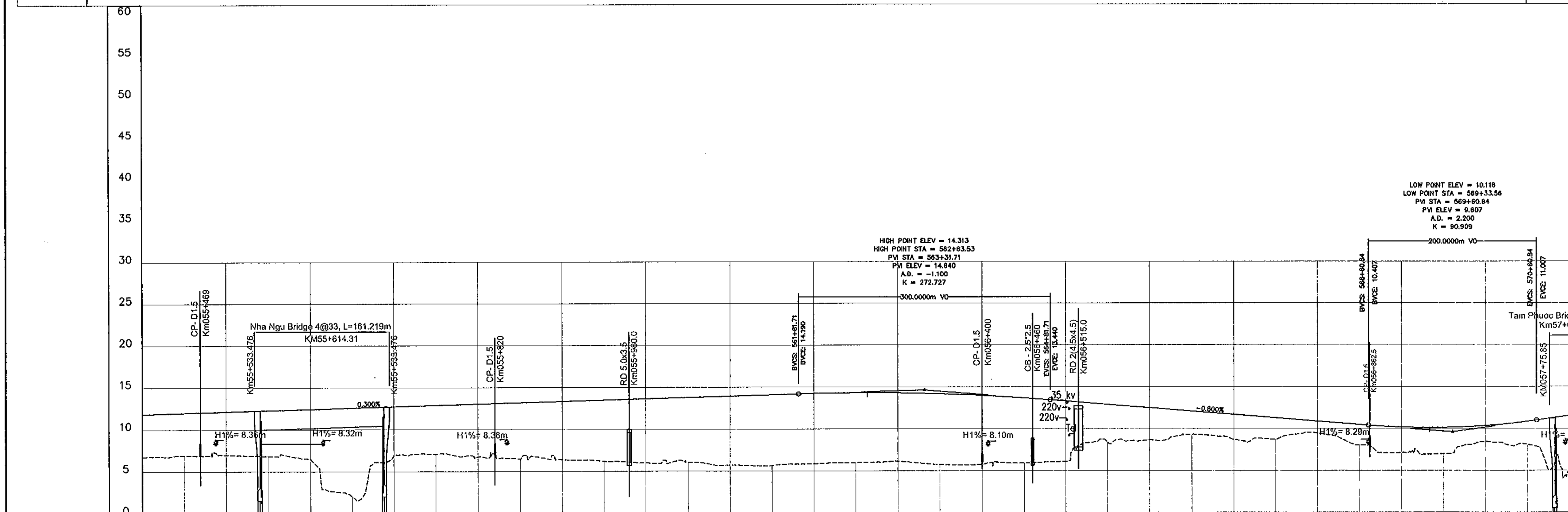
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 7 Station: Km52+000 - Km65+000

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	H. V. QUANG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	(signed)	(signed)	(signed)
DATE			

PLAN AND PROFILE: STA 52+000.00 -:- 65+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 52+000.00 -:- 65+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG7-BD-PP-020	3





FINISHED GRADE	11.845	11.995	12.145	12.295	12.445	12.595	12.745	12.895	13.045	13.195	13.345	13.495	13.645	13.795	13.945	14.095	14.239
EXISTING GROUND	6.748	6.935	6.997	6.843	6.492	2.049	6.923	7.100	6.736	6.488	6.395	6.201	6.009	6.072	5.730	5.660	5.872
STATION	55+400	55+450	55+500	55+550	55+600	55+650	55+700	55+750	55+800	55+850	55+900	55+950	56+000	56+050	56+100	56+150	56+200

FINISHED GRADE	14.309	14.288	14.176	13.971	13.675	13.294	12.894	12.494	12.094	11.694	11.294	10.894	10.494	10.178	10.131	10.359	10.862	11.555
EXISTING GROUND	5.978	6.162	5.770	5.771	5.918	6.105	8.412	8.679	9.328	8.684	8.693	9.479	8.020	7.112	7.006	8.447	8.129	5.207
STATION	56+250	56+300	56+350	56+400	56+450	56+500	56+550	56+600	56+650	56+700	56+750	56+800	56+850	56+900	56+950	57+000	57+050	57+100

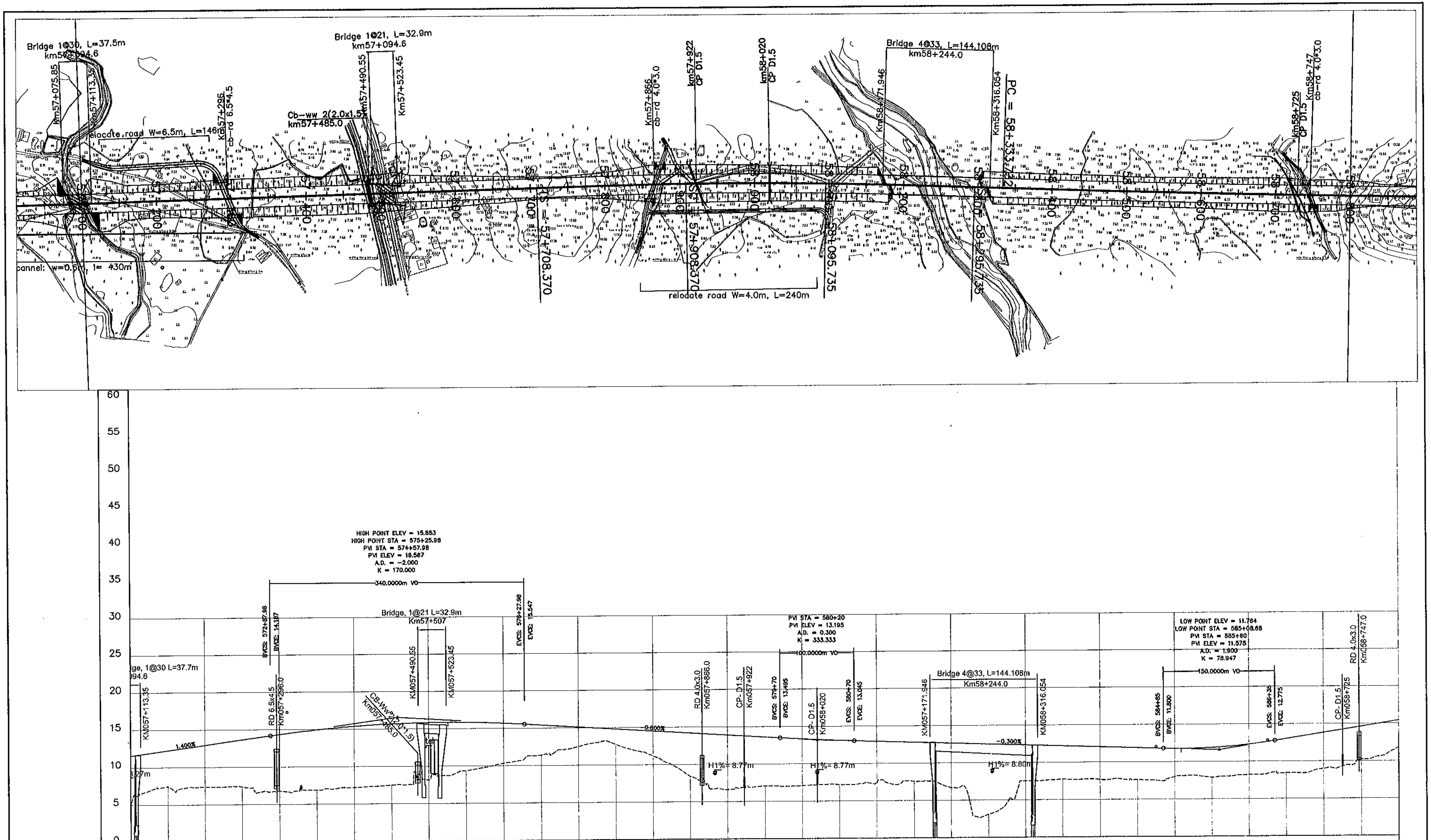
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 7 Station: Km52+000 - Km65+000

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	H. V. QUANG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 52+000.00 -:- 65+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 52+000.00 -:- 65+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG7-BD-PP-030	3



STATION	FINISHED GRADE	EXISTING GROUND
57+100	11.555	5.207
57+150	12.255	7.483
57+200	12.955	7.405
57+250	13.655	7.368
57+300	14.351	6.810
57+350	14.942	6.885
57+400	15.386	7.206
57+450	15.683	7.495
57+500	15.833	8.176
57+550	15.836	9.376
57+600	15.692	10.334
57+650	15.415	11.395
57+700	15.115	12.486
57+750	14.815	12.752
57+800	14.515	11.160
57+850	14.215	8.397
57+900	13.915	6.607
57+950	13.615	7.062
58+000	13.328	7.082
58+050	13.111	7.203
58+100	12.955	7.298
58+150	12.805	7.580
58+200	12.655	6.691
58+250	12.505	3.101
58+300	12.355	7.550
58+350	12.205	7.761
58+400	12.055	7.681
58+450	11.905	7.614
58+500	11.769	8.018
58+550	11.873	7.882
58+600	12.293	8.226
58+650	13.015	8.422
58+700	13.815	8.991
58+750	14.615	10.282
58+800	15.415	11.831

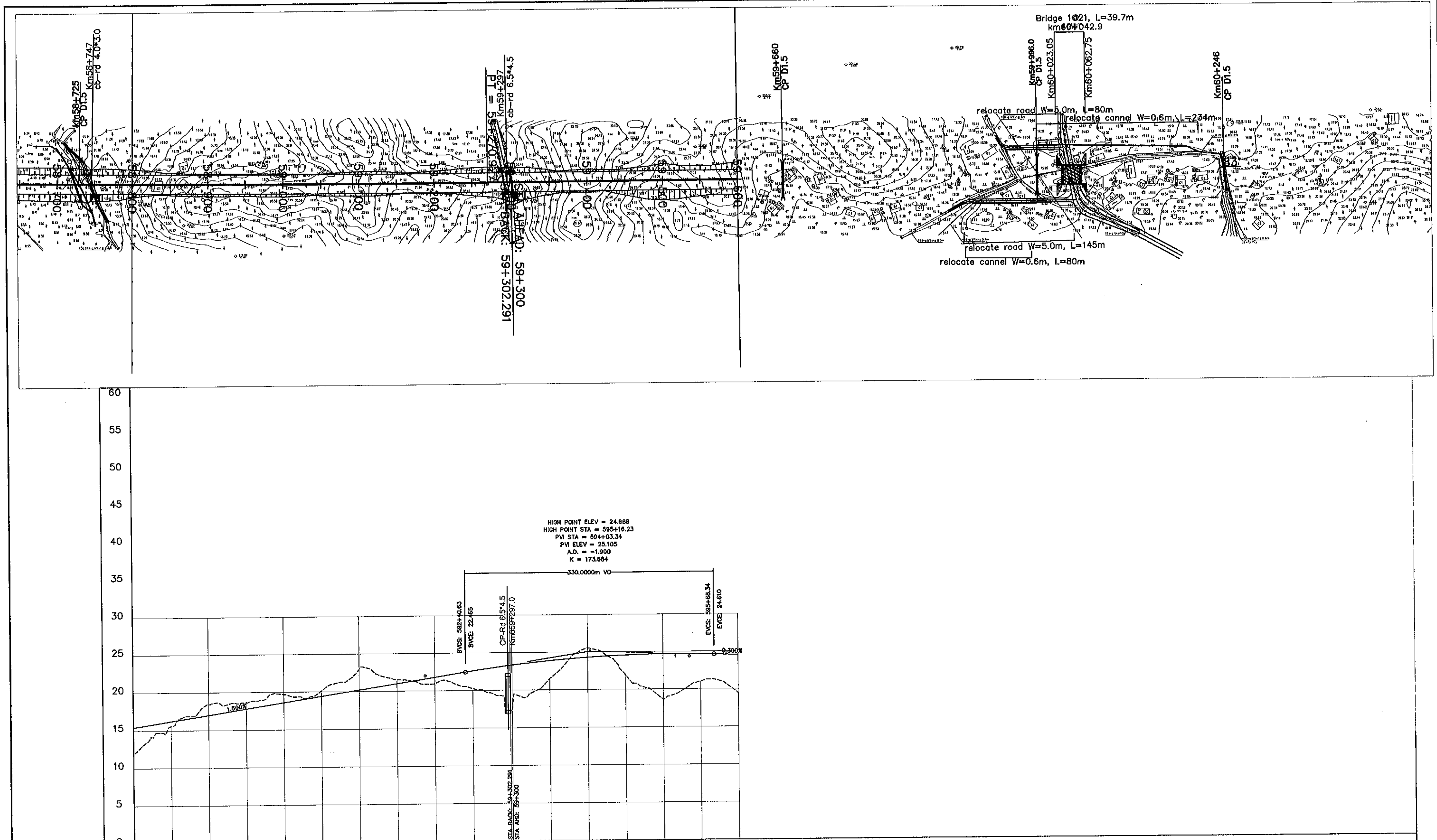
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 7 Station: Km52+000 - Km65+000

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	H. V. QUANG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 52+000.00 -:- 65+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 52+000.00 -:- 65+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG7-BD-PP-040	3



FINISHED GRADE	15.415	16.215	17.015	17.815	18.615	19.415	20.215	21.015	21.815	22.613	23.314	23.871	24.284	24.553	24.678	24.660	24.598
EXISTING GROUND	11.831	15.572	18.457	18.661	19.702	20.123	22.957	21.524	20.995	20.228	17.305	21.244	25.487	22.197	18.786	20.947	19.643
STATION	58+800	58+850	58+900	58+950	59+000	59+050	59+100	59+150	59+200	59+250	59+300	59+348	59+398	59+448	59+498	59+548	59+598

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

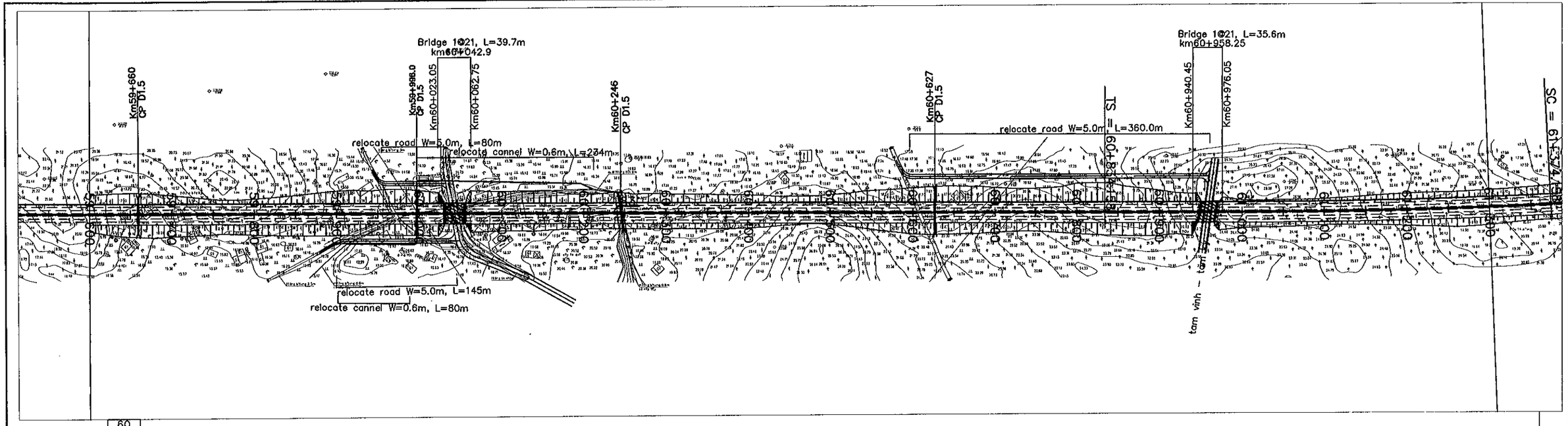
REMARKS:

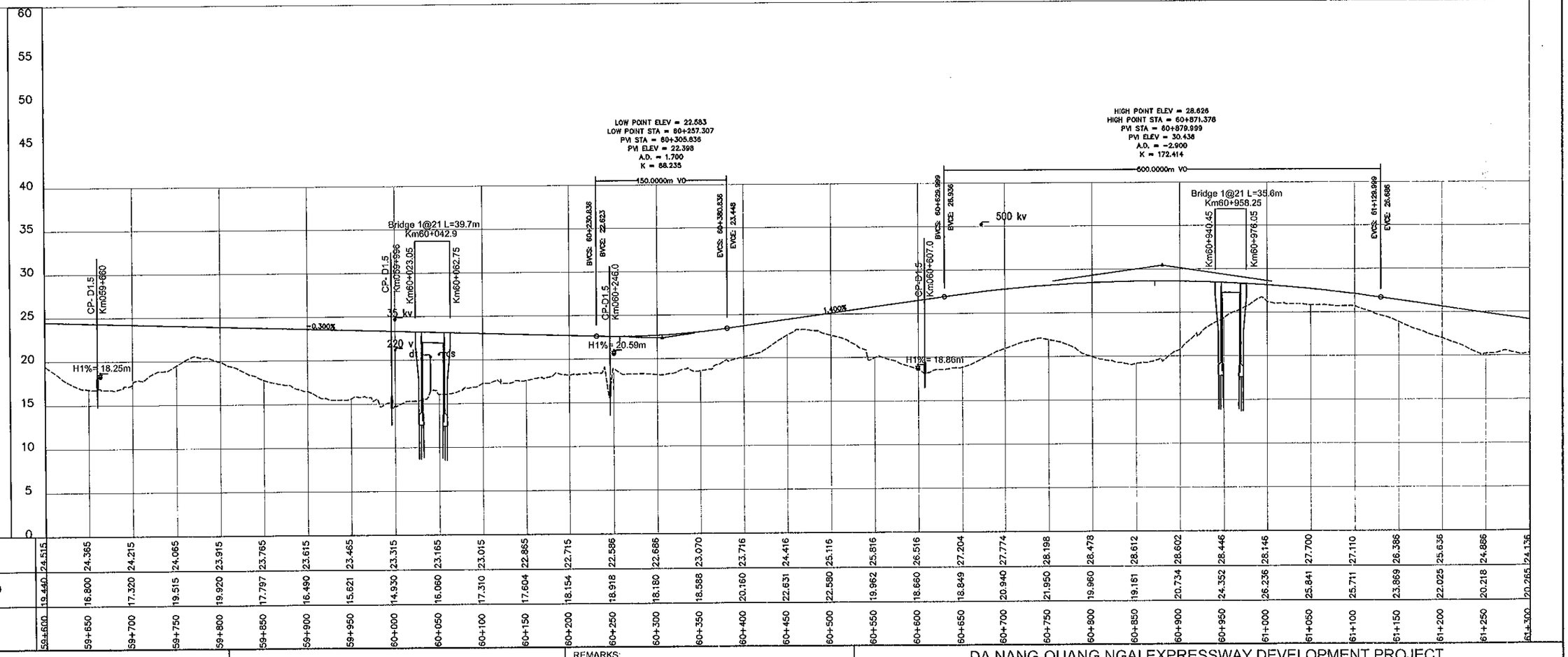
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 7 Station: Km52+000 - Km65+000

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	H. V. QUANG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 52+000.00 -:- 65+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 52+000.00 -:- 65+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG7-BD-PP-050	3





STATION	59+600	59+650	59+700	59+750	59+800	59+850	59+900	59+950	60+000	60+050	60+100	60+150	60+200	60+250	60+300	60+350	60+400	60+450	60+500	60+550	60+600	60+650	60+700	60+750	60+800	60+850	60+900	60+950	61+000	61+050	61+100	61+150	61+200	61+250	61+300
EXISTING GROUND	19.440	16.800	17.320	19.515	19.920	17.797	16.490	15.621	14.930	16.060	17.310	17.604	18.154	18.918	18.180	18.588	20.160	22.631	22.580	19.962	18.660	18.849	20.940	21.950	19.960	19.161	20.734	24.352	26.236	25.841	25.711	23.869	22.025	20.218	20.265
FINISHED GRADE	24.515	24.365	24.215	24.065	23.915	23.765	23.615	23.465	23.315	23.165	23.015	22.865	22.715	22.586	22.685	23.070	23.716	24.416	25.116	25.816	26.516	27.204	27.774	28.198	28.478	28.612	28.602	28.446	28.146	27.700	27.110	26.386	25.636	24.886	24.136

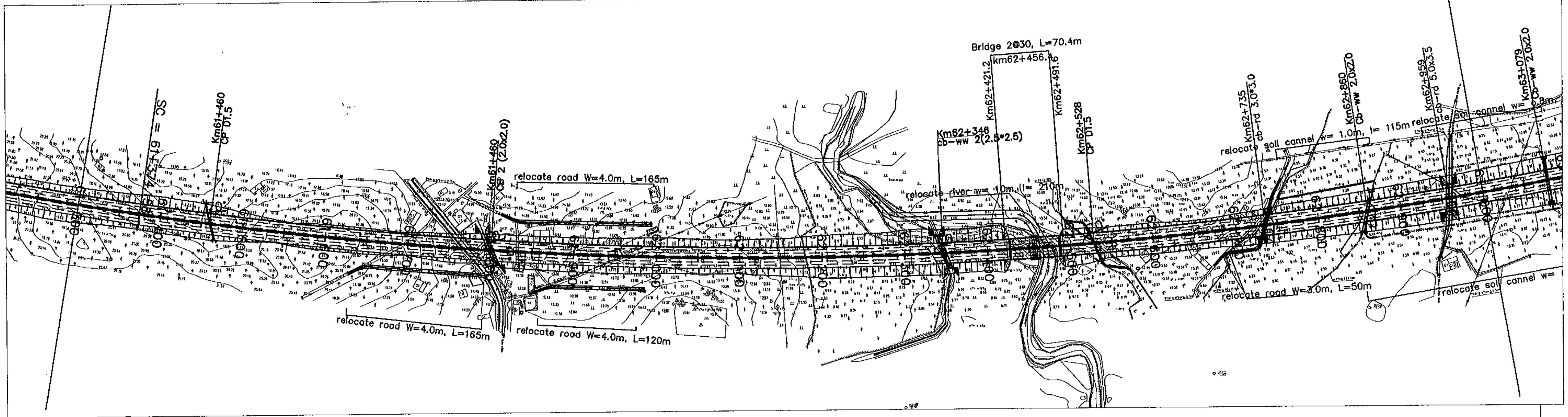
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

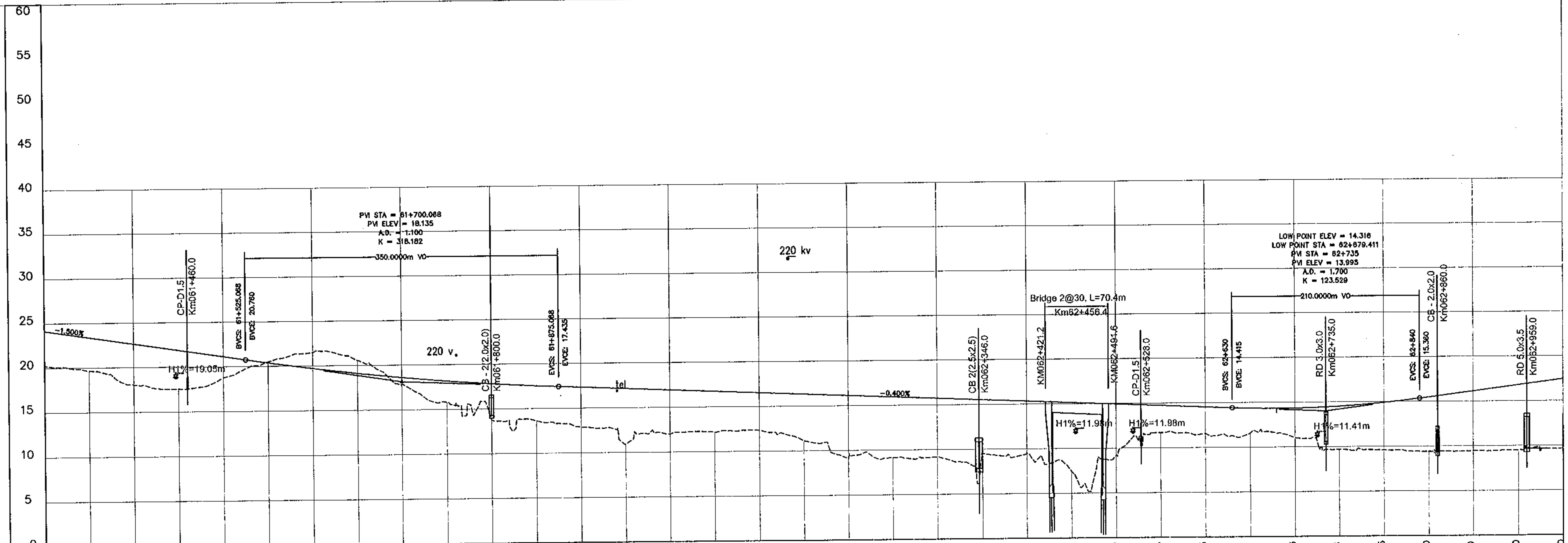
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 7 Station: Km52+000 - Km65+000

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	H. V. QUANG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 52+000.00 -:- 65+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 52+000.00 -:- 65+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG7-BD-PP-060	3





STATION	FINISHED GRADE	EXISTING GROUND
61+300	24.136	20.265
61+350	23.386	19.653
61+400	22.636	18.066
61+450	21.886	17.563
61+500	21.136	18.774
61+550	20.396	20.497
61+600	19.724	21.497
61+650	19.131	20.584
61+700	18.617	17.856
61+750	18.161	15.801
61+800	17.824	13.733
61+850	17.545	13.631
61+900	17.335	12.864
61+950	17.135	10.927
62+000	16.935	12.029
62+050	16.735	12.185
62+100	16.535	12.332
62+150	16.335	11.119
62+200	16.135	9.106
62+250	15.935	9.151
62+300	15.735	9.188
62+350	15.535	9.539
62+400	15.335	9.437
62+450	15.135	7.471
62+500	14.935	9.210
62+550	14.735	11.696
62+600	14.535	11.559
62+650	14.351	11.584
62+700	14.333	11.033
62+750	14.518	9.671
62+800	14.905	9.593
62+850	15.490	9.404
62+900	16.140	9.458
62+950	16.790	9.500
63+000	17.440	9.712

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

REMARKS:

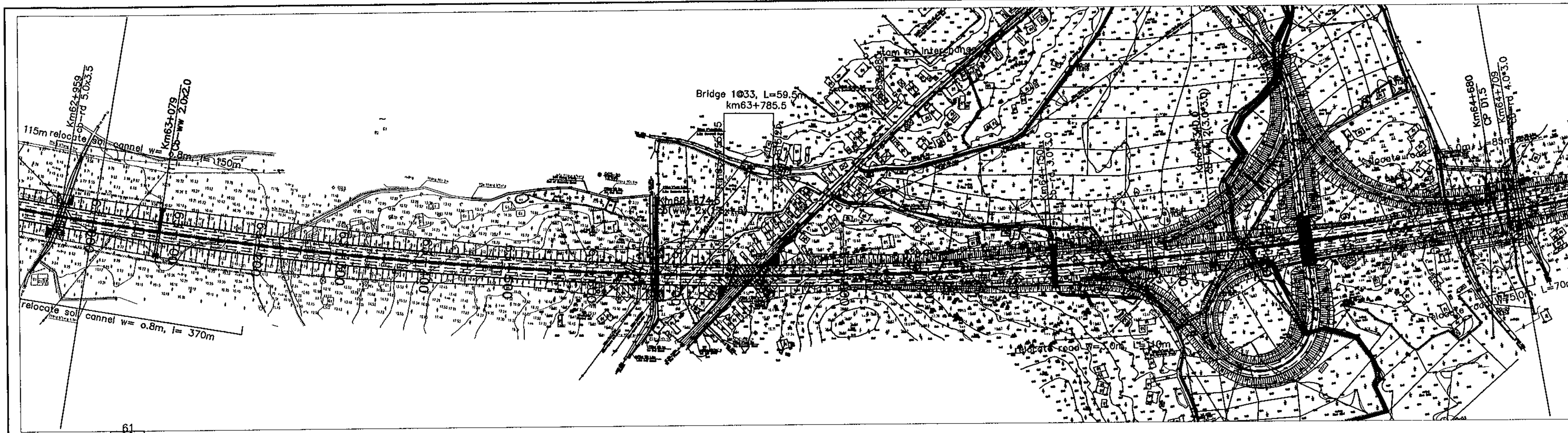
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

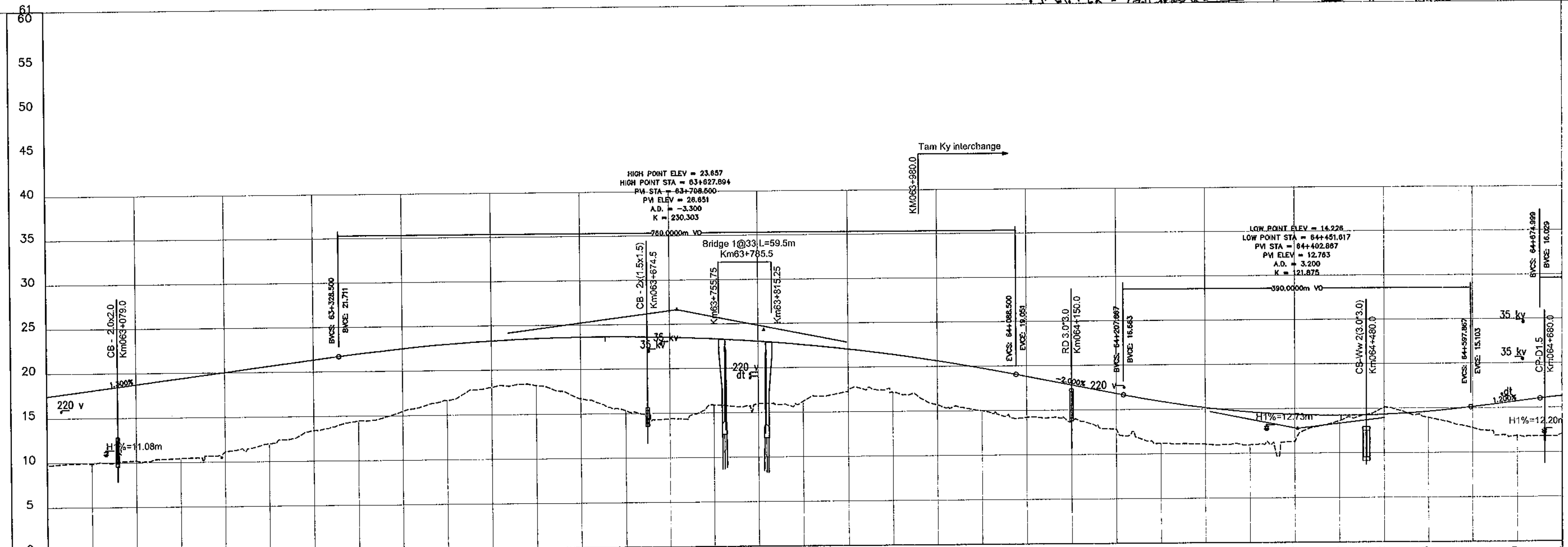
Package: 7 Station: Km52+000 - Km65+000

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	H. V. QUANG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 52+000.00 -:- 65+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 52+000.00 -:- 65+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG7-BD-PP-070	3





STATION	FINISHED GRADE	EXISTING GROUND
63+000	17.440	9.712
63+050	18.090	9.890
63+100	18.740	10.204
63+150	19.390	10.433
63+200	20.040	11.168
63+250	20.690	12.002
63+300	21.340	13.448
63+350	21.980	14.452
63+400	22.529	15.496
63+450	22.970	16.647
63+500	23.302	18.079
63+550	23.525	18.251
63+600	23.640	16.717
63+650	23.646	15.339
63+700	23.544	14.377
63+750	23.333	15.893
63+800	23.014	15.965
63+850	22.586	16.210
63+900	22.049	17.495
63+950	21.404	17.132
64+000	20.651	15.615
64+050	19.788	15.000
64+100	18.821	14.212
64+150	17.821	13.754
64+200	16.821	12.811
64+250	15.893	11.156
64+300	15.169	11.080
64+350	14.649	10.965
64+400	14.335	11.311
64+450	14.226	13.615
64+500	14.322	15.117
64+550	14.623	13.930
64+600	15.129	12.777
64+650	15.729	11.867
64+700	16.315	12.028

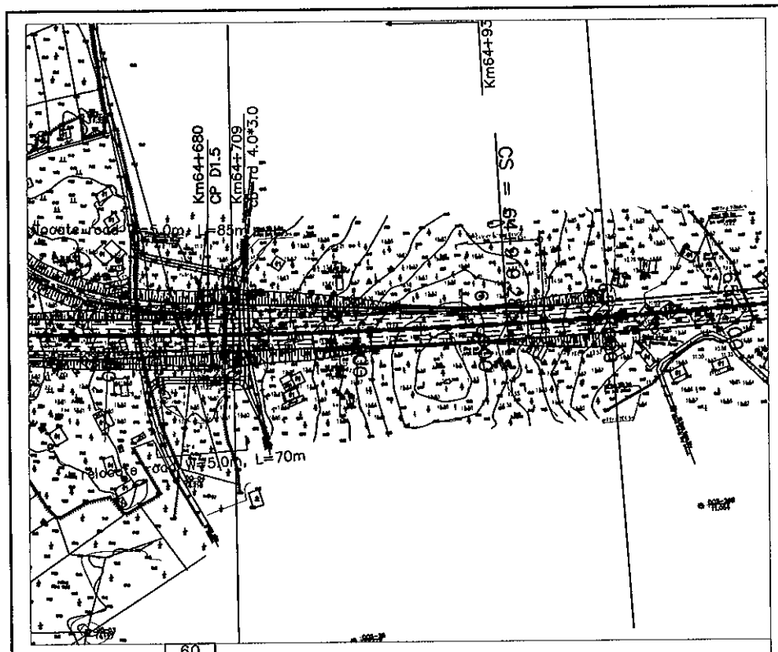
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

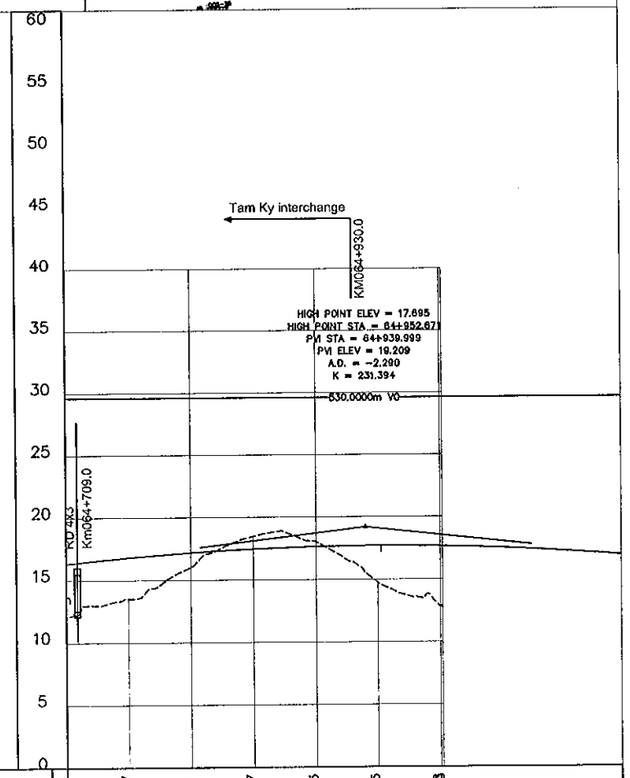
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 7 Station: Km52+000 - Km65+000

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	H. V. QUANG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 52+000.00 -:- 65+000.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 52+000.00 -:- 65+000.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG7-BD-PP-080	3





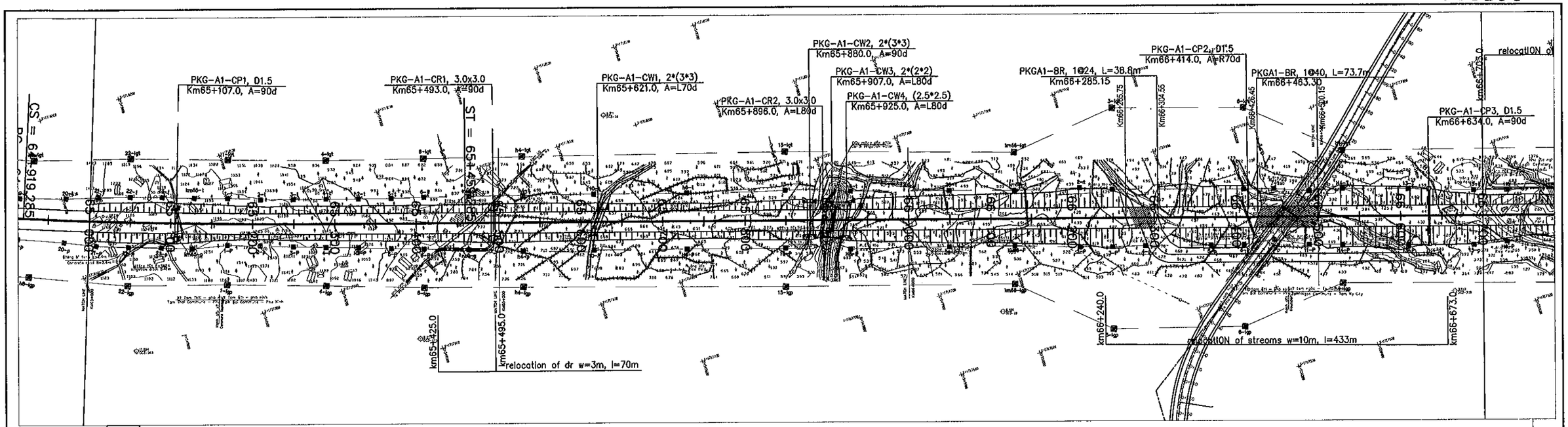
FINISHED GRADE	16.315	16.807	17.191	17.467	17.635	17.695	17.848	
EXISTING GROUND	12.028	13.510	16.016	18.486	18.045	14.733	12.805	
STATION	64+700	64+750	64+800	64+850	64+900	64+950	65+000	

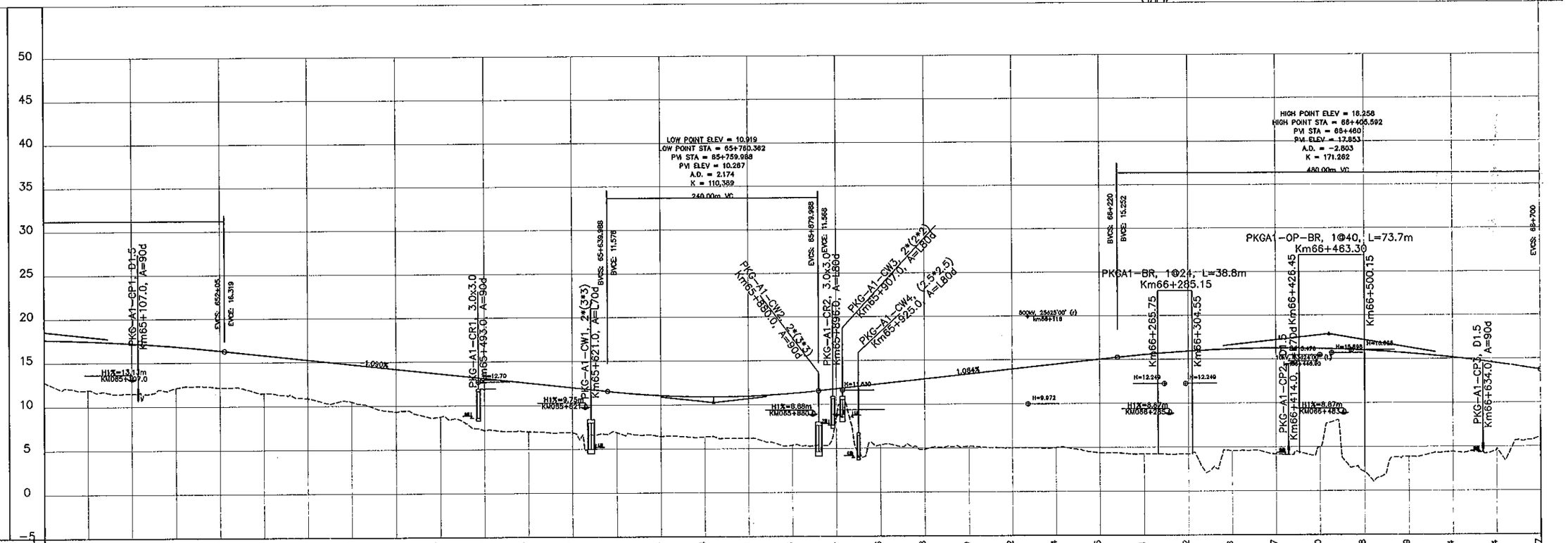
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 7 Station: Km52+000 - Km65+000

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN AND PROFILE: STA 52+000.00 -:- 65+000.00 BÌNH ĐỒ VÀ TRẮC DỌC: STA 52+000.00 -:- 65+000.00		
NAME	H. V. QUANG	TAKAYASU NAGAI	I. ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				H:1/5,000 V:1/500	PKG7-BD-PP-080	3

D1-9. PACKAGE A1
D1-9. GÓI THẦU A1





STATION	FINISHED GRADE	EXISTING GROUND
65+000	17.646	12.816
65+050	17.490	11.895
65+100	17.226	11.490
65+150	16.853	12.107
65+200	16.373	12.150
65+250	15.828	11.476
65+300	15.283	10.905
65+350	14.738	10.490
65+400	14.193	9.324
65+450	13.647	8.754
65+500	13.102	7.170
65+550	12.557	7.019
65+600	12.012	6.890
65+650	11.471	6.881
65+700	11.084	6.420
65+750	10.924	6.365
65+800	10.991	6.200
65+850	11.283	5.379
65+900	11.784	8.572
65+950	12.326	5.377
66+000	12.868	4.870
66+050	13.410	5.191
66+100	13.952	4.980
66+150	14.494	5.002
66+200	15.035	4.370
66+250	15.551	4.265
66+300	15.932	4.210
66+350	16.168	4.583
66+400	16.257	4.190
66+450	16.200	5.003
66+500	15.998	2.159
66+550	15.649	3.874
66+600	15.154	4.420
66+650	14.514	4.760
66+700	13.727	6.115

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

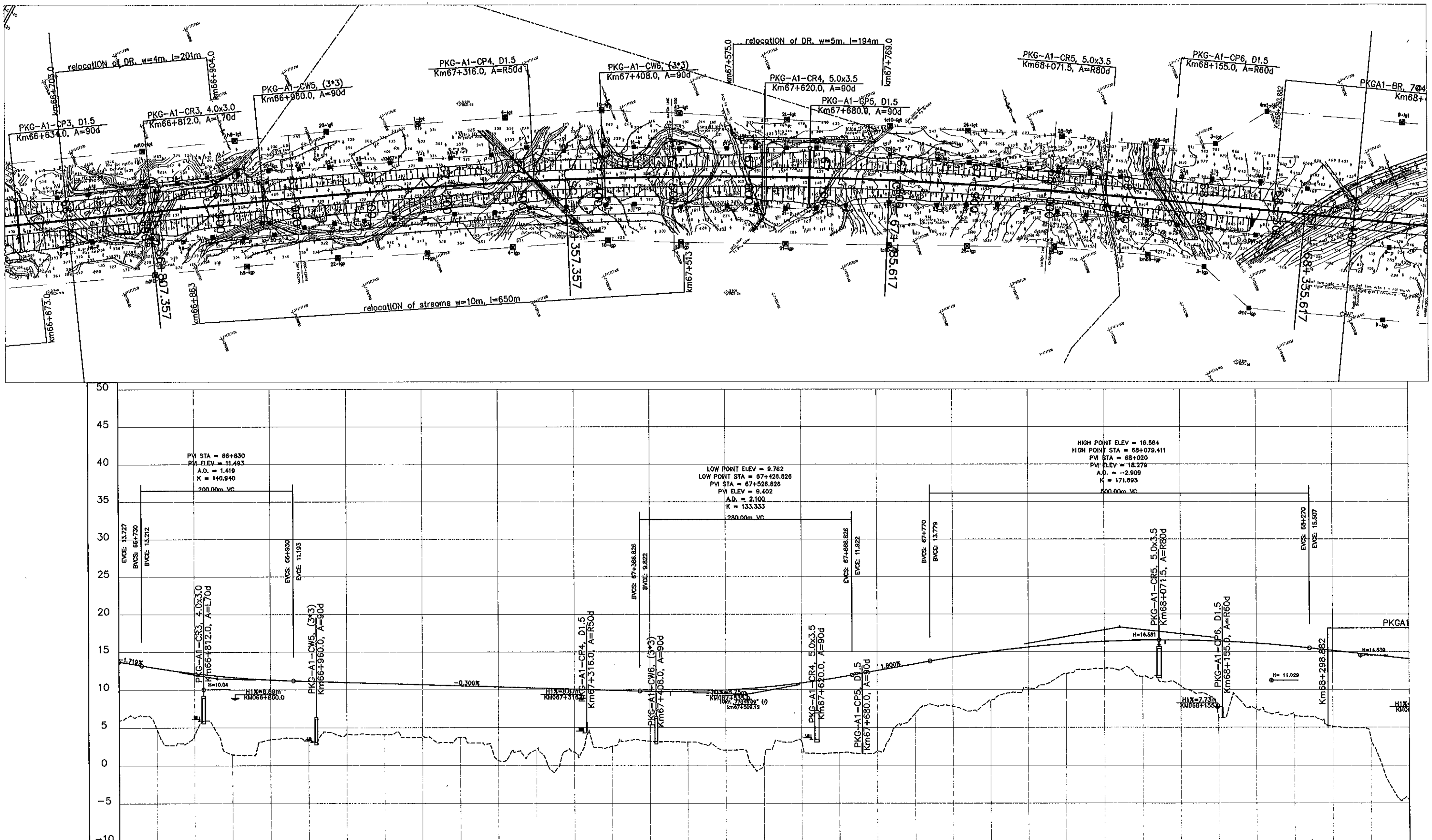
REMARKS:

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A1 Station: Km65+000 - Km81+150

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN VU MANH	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 65+000.00 -:- 81+150.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 65+000.00 -:-81+150.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA1-BD-PP-010	3



STATION	FINISHED GRADE	EXISTING GROUND
66+700	13.727	6.115
66+750	12.882	4.768
66+800	12.182	4.053
66+850	11.660	1.427
66+900	11.314	3.440
66+950	11.133	3.374
67+000	10.983	4.163
67+050	10.833	4.077
67+100	10.683	3.799
67+150	10.533	3.720
67+200	10.383	0.667
67+250	10.233	2.115
67+300	10.083	1.734
67+350	9.933	2.540
67+400	9.789	3.172
67+450	9.782	3.065
67+500	9.963	1.990
67+550	10.331	0.746
67+600	10.887	3.168
67+650	11.630	1.658
67+700	12.519	1.901
67+750	13.419	6.893
67+800	14.293	7.782
67+850	15.033	8.631
67+900	15.628	10.166
67+950	16.077	12.131
68+000	16.380	12.761
68+050	16.539	11.720
68+100	16.552	10.494
68+150	16.419	6.302
68+200	16.141	7.418
68+250	15.717	6.522
68+300	15.175	5.121
68+350	14.620	3.510
68+400	14.066	-4.591

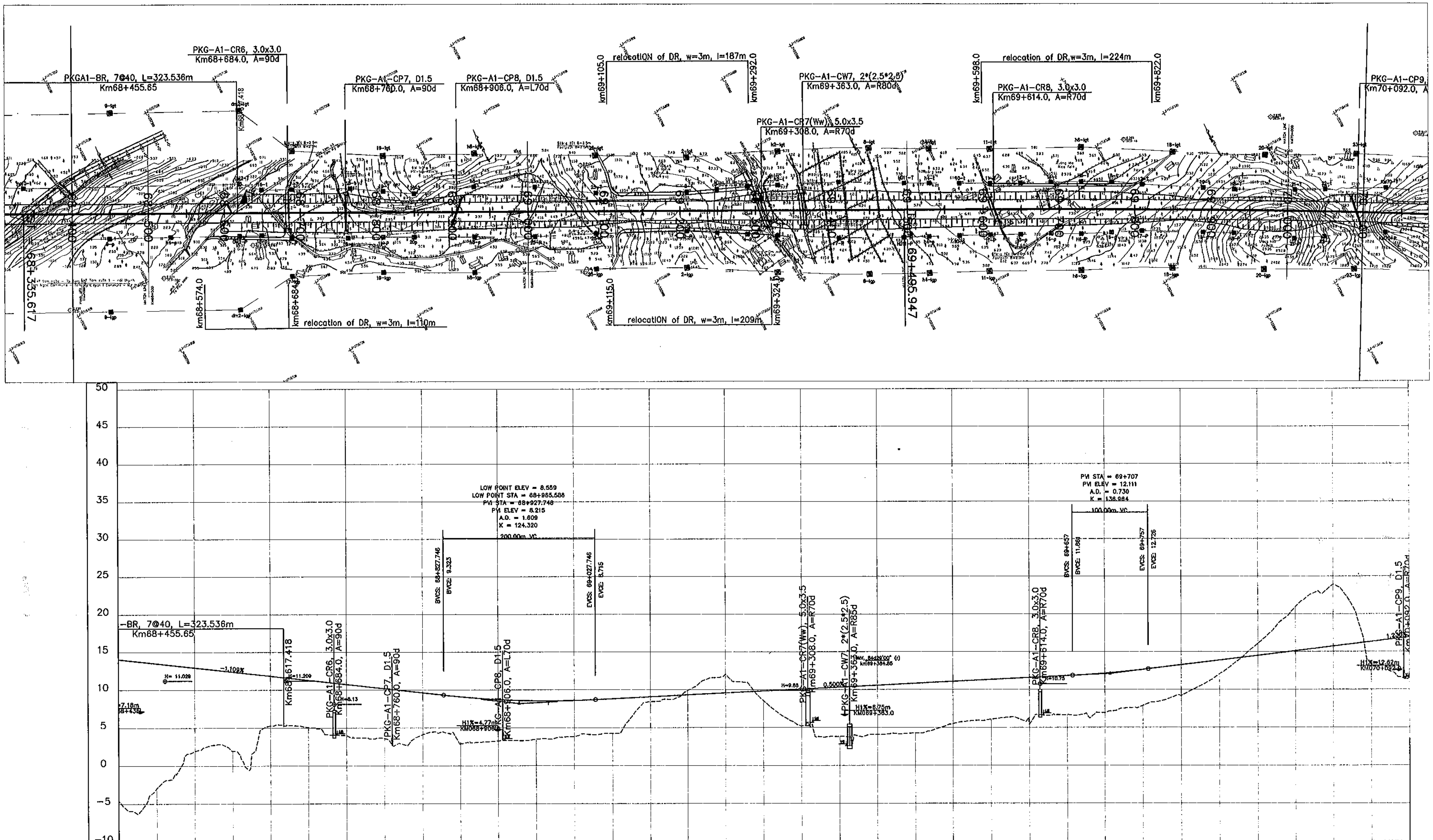
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A1 Station: Km65+000 - Km81+150

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN VU MANH	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 65+000.00 -:- 81+150.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 65+000.00 -:-81+150.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA1-BD-PP-020	2



	68+400	68+450	68+500	68+550	68+600	68+650	68+700	68+750	68+800	68+850	68+900	68+950
FINISHED GRADE	14.066	13.512	12.957	12.403	11.848	11.294	10.740	10.185	9.631	9.096	8.732	8.569
EXISTING GROUND	-4.591	-2.947	1.939	1.950	5.290	5.028	4.000	3.603	4.117	3.065	3.270	3.515
STATION	68+400	68+450	68+500	68+550	68+600	68+650	68+700	68+750	68+800	68+850	68+900	68+950

	69+000	69+050	69+100	69+150	69+200	69+250	69+300	69+350	69+400	69+450	69+500	69+550
FINISHED GRADE	8.607	8.826	9.076	9.326	9.576	9.826	10.076	10.326	10.576	10.826	11.076	11.326
EXISTING GROUND	3.840	4.243	8.439	9.893	12.020	8.523	5.221	3.816	4.080	4.279	5.490	6.077
STATION	69+000	69+050	69+100	69+150	69+200	69+250	69+300	69+350	69+400	69+450	69+500	69+550

	69+600	69+650	69+700	69+750	69+800	69+850	69+900	69+950	70+000	70+050	70+100
FINISHED GRADE	11.576	11.826	12.143	12.642	13.255	13.870	14.485	15.100	15.715	16.330	16.945
EXISTING GROUND	5.404	6.699	6.913	7.885	9.200	12.046	16.050	20.923	23.938	13.727	11.527
STATION	69+600	69+650	69+700	69+750	69+800	69+850	69+900	69+950	70+000	70+050	70+100

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

REMARKS:

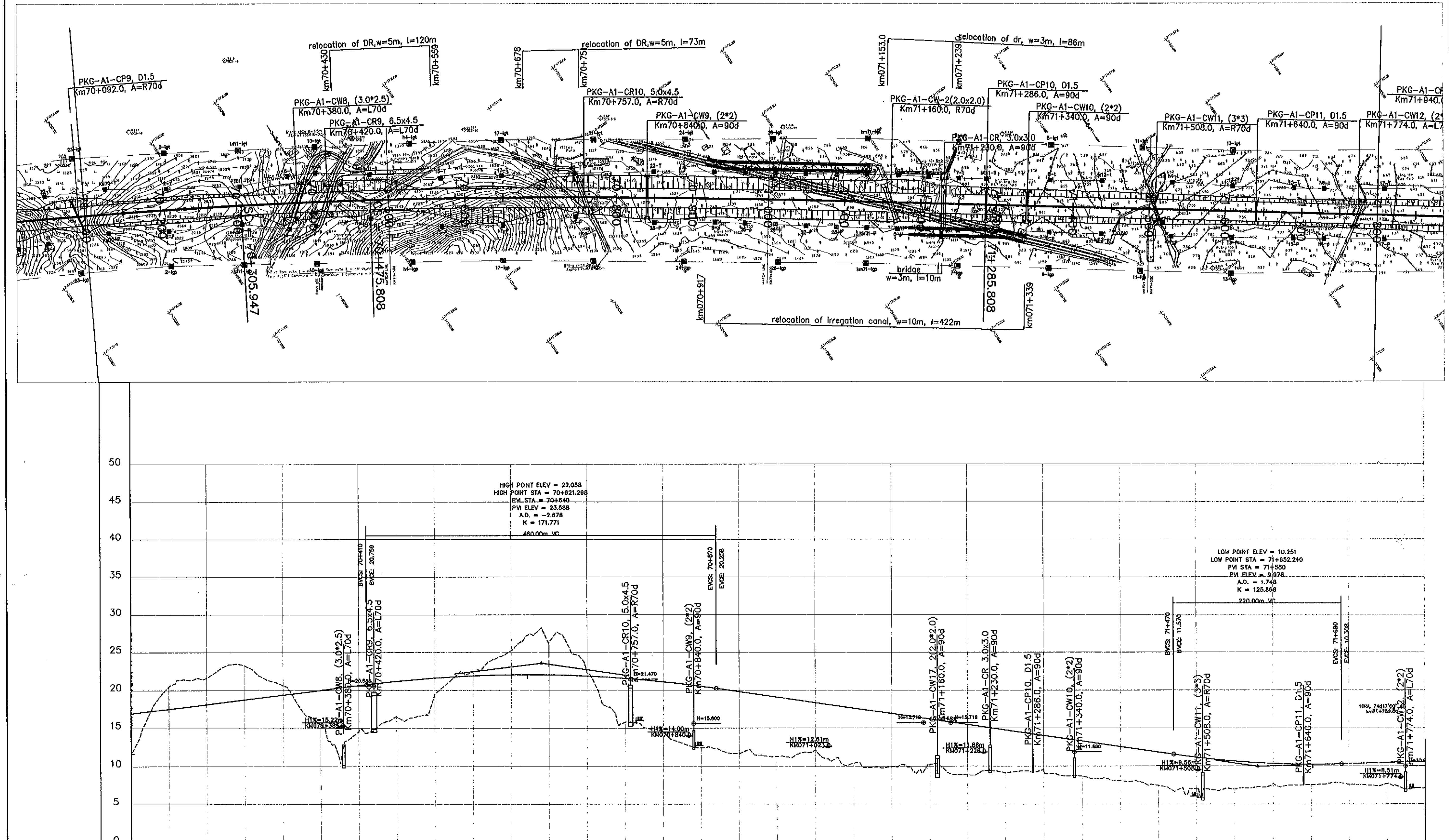
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: A1 Station: Km65+000 - Km81+150

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN VU MANH	TAKAYASU NAGAI	J. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 65+000.00 -:- 81+150.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 65+000.00 -:-81+150.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA1-BD-PP-030	2



STATION	70+100	70+150	70+200	70+250	70+300	70+350	70+400	70+450	70+500	70+550	70+600	70+650
FINISHED GRADE	15.945	17.560	18.175	18.790	19.405	20.020	20.635	21.204	21.630	21.910	22.045	22.034
EXISTING GROUND	11.527	20.483	21.640	23.262	20.648	15.482	14.560	16.468	19.562	22.457	25.259	26.384

STATION	70+700	70+750	70+800	70+850	70+900	70+950	71+000	71+050	71+100	71+150	71+200	71+250
FINISHED GRADE	21.878	21.576	21.129	20.536	19.823	19.099	18.375	17.652	16.928	16.204	15.480	14.756
EXISTING GROUND	22.262	15.783	14.486	12.410	11.629	11.273	12.113	10.400	9.939	10.243	8.902	9.161

STATION	71+300	71+350	71+400	71+450	71+500	71+550	71+600	71+650	71+700	71+750	71+800
FINISHED GRADE	14.032	13.308	12.584	11.860	11.172	10.666	10.360	10.251	10.338	10.488	10.638
EXISTING GROUND	9.528	8.655	8.070	7.458	6.990	6.989	7.695	7.541	7.580	7.680	7.090

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

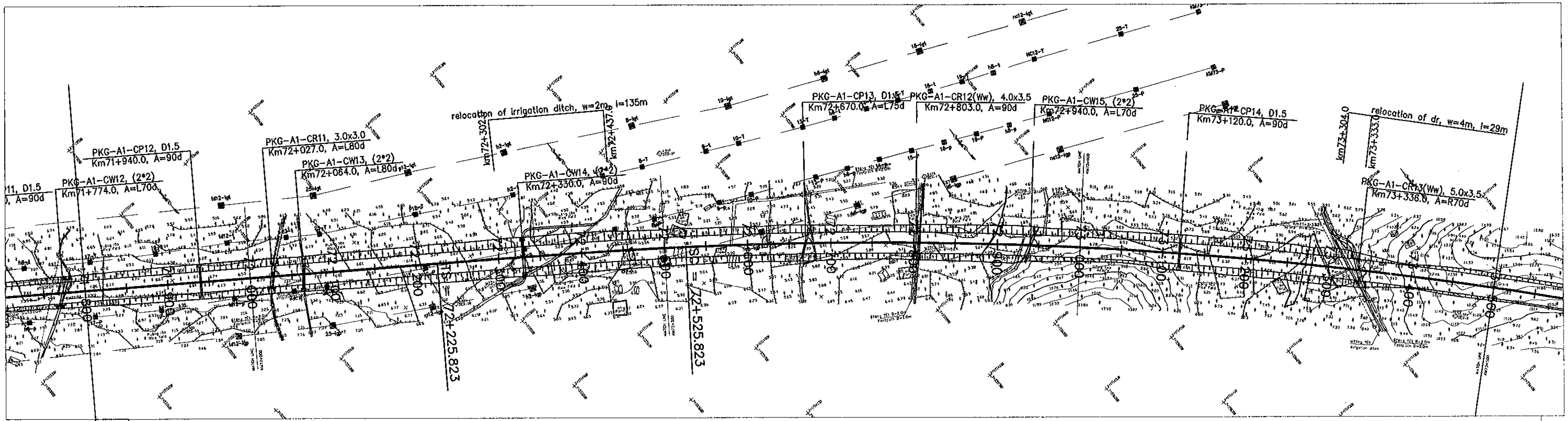
REMARKS:

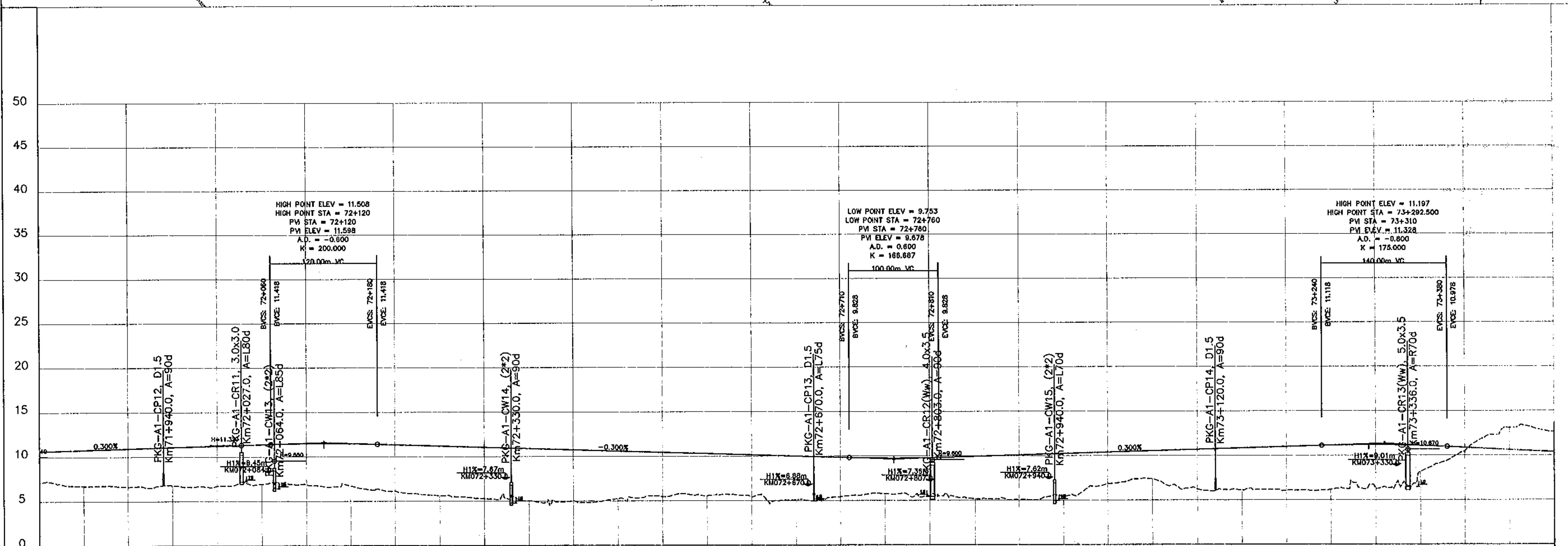
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A1 Station: Km65+000 - Km81+150

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN VU MANH	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 65+000.00 -:- 81+150.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 65+000.00 -:-81+150.00

SCALE	DRAWING NO.	REV. NO.
H:1/5.000 V:1/500	PKGA1-BD-PP-040	2





FINISHED GRADE	10.638	10.788	10.938	11.088	11.238	11.388	11.498	11.485	11.358	11.208	11.058	10.908
EXISTING GROUND	7.090	6.735	6.640	6.793	6.730	6.939	6.960	6.748	6.190	5.634	5.336	5.027
STATION	71+800	71+850	71+900	71+950	72+000	72+050	72+100	72+150	72+200	72+250	72+300	72+350

FINISHED GRADE	10.758	10.608	10.458	10.308	10.158	10.008	9.858	9.756	9.801	9.948	10.098	10.248
EXISTING GROUND	5.038	5.224	5.463	5.569	5.414	5.112	5.431	5.769	5.551	5.189	5.037	5.487
STATION	72+400	72+450	72+500	72+550	72+600	72+650	72+700	72+750	72+800	72+850	72+900	72+950

FINISHED GRADE	10.398	10.548	10.698	10.848	10.998	11.145	11.195	11.102	10.878	10.628	10.378
EXISTING GROUND	6.833	7.376	6.230	6.127	6.099	6.181	6.263	8.165	10.454	13.096	12.596
STATION	73+000	73+050	73+100	73+150	73+200	73+250	73+300	73+350	73+400	73+450	73+500

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

REMARKS:

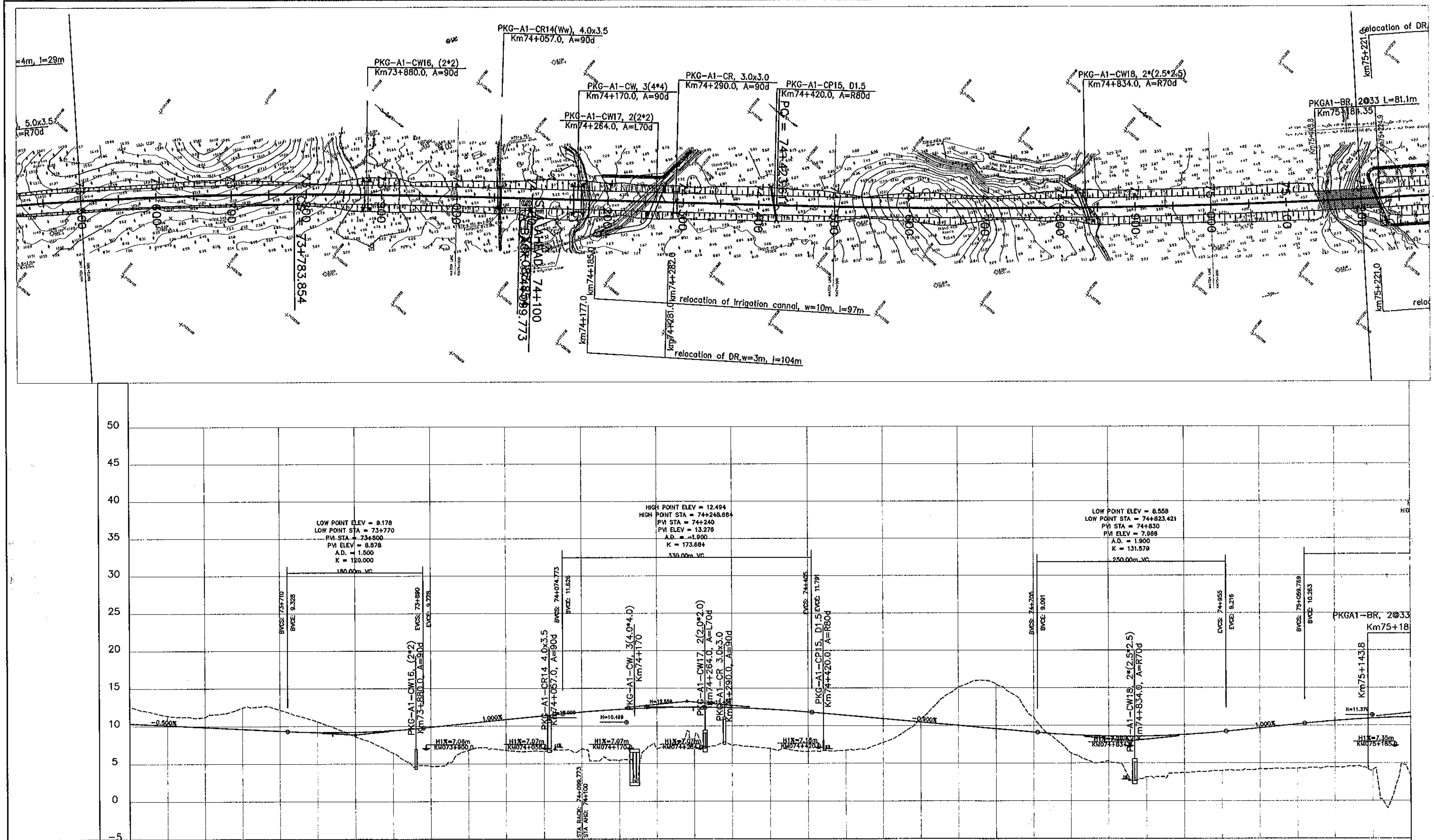
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: A1 Station: Km65+000 - Km81+150

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN VU MANH	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 65+000.00 -:- 81+150.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 65+000.00 -:-81+150.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA1-BD-PP-050	2



STATION	73+500	73+550	73+600	73+650	73+700	73+750	73+800	73+850	73+900	73+950	74+000	74+050
FINISHED GRADE	10.378	10.128	9.878	9.628	9.378	9.194	9.215	9.444	9.878	10.378	10.878	11.378
EXISTING GROUND	12.596	11.385	11.216	12.471	12.167	10.614	8.633	6.452	4.701	6.776	6.794	6.651

STATION	74+100	74+150	74+200	74+250	74+300	74+350	74+400	74+450	74+500	74+550	74+600	74+650
FINISHED GRADE	11.860	12.215	12.426	12.494	12.418	12.197	11.833	11.384	10.934	10.484	10.034	9.584
EXISTING GROUND	6.956	5.462	6.968	8.286	7.424	6.999	6.563	6.755	7.837	10.912	15.120	15.523

STATION	74+700	74+750	74+800	74+850	74+900	74+950	75+000	75+050	75+100	75+150	75+200
FINISHED GRADE	9.134	8.761	8.578	8.585	8.782	9.169	9.668	10.168	10.620	10.931	11.097
EXISTING GROUND	11.134	6.314	5.221	3.193	3.758	4.012	4.269	4.304	4.448	4.168	3.296

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

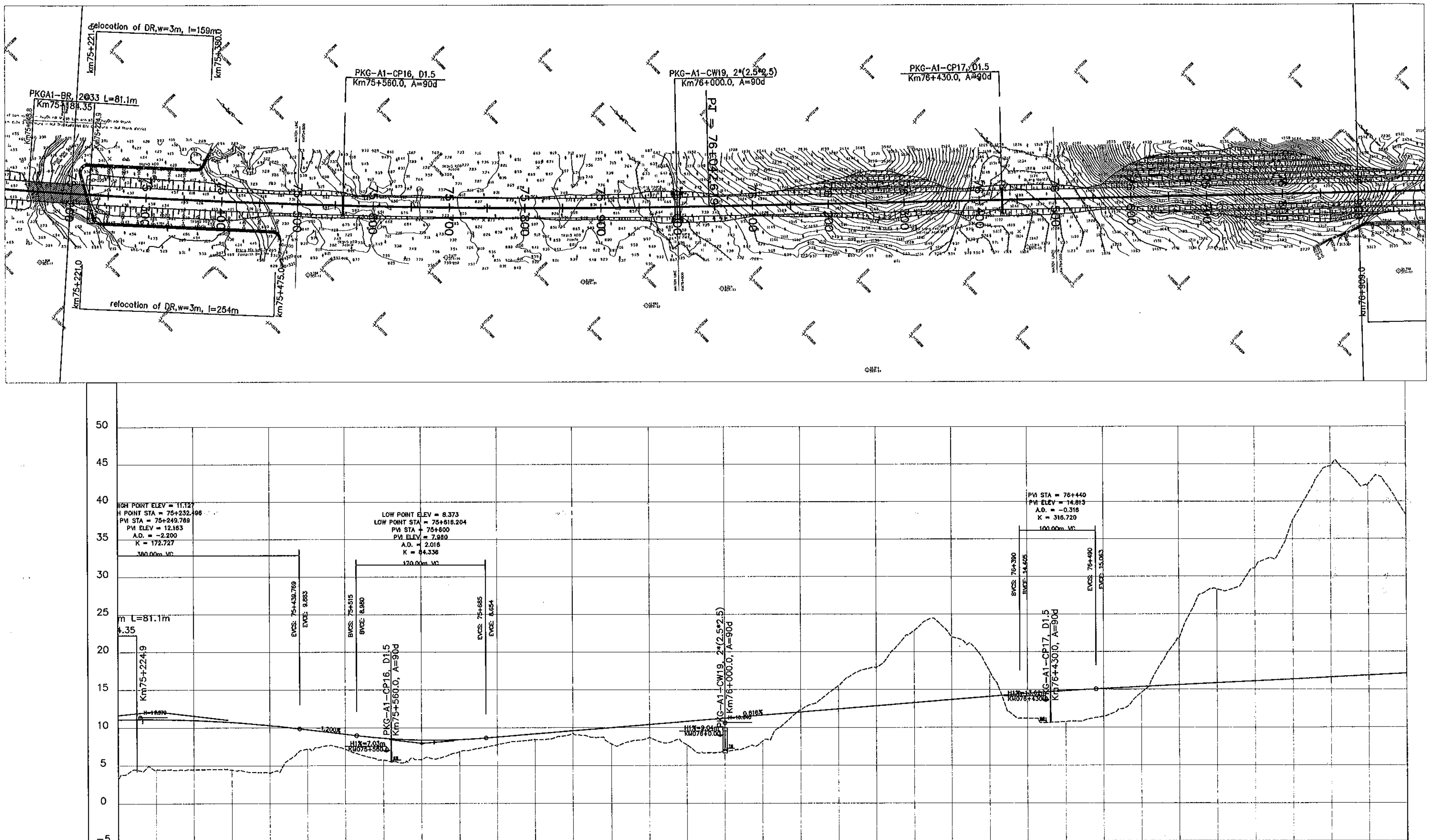
REMARKS:

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A1 Station: Km65+000 - Km81+150

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN VU MANH	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 65+000.00 -:- 81+150.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 65+000.00 -:-81+150.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA1-BD-PP-080	2



FINISHED GRADE	11.097	11.118	10.994	10.726	10.312	9.758	9.158	8.631	8.388	8.442	8.778	9.186
EXISTING GROUND	3.296	4.433	4.481	4.439	4.057	7.178	7.162	5.738	5.808	6.848	7.765	8.436
STATION	75+200	75+250	75+300	75+350	75+400	75+450	75+500	75+550	75+600	75+650	75+700	75+750

FINISHED GRADE	9.594	10.002	10.410	10.817	11.225	11.633	12.041	12.449	12.857	13.265	13.672	14.080
EXISTING GROUND	9.209	7.842	8.683	7.727	7.024	8.234	12.297	15.549	17.955	22.862	21.933	17.411
STATION	75+800	75+850	75+900	75+950	76+000	76+050	76+100	76+150	76+200	76+250	76+300	76+350

FINISHED GRADE	14.487	14.839	15.114	15.364	15.614	15.864	16.114	16.364	16.614	16.864	17.114
EXISTING GROUND	11.200	10.744	11.464	14.601	21.813	28.315	31.162	37.527	44.767	42.306	38.142
STATION	76+400	76+450	76+500	76+550	76+600	76+650	76+700	76+750	76+800	76+850	76+900

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

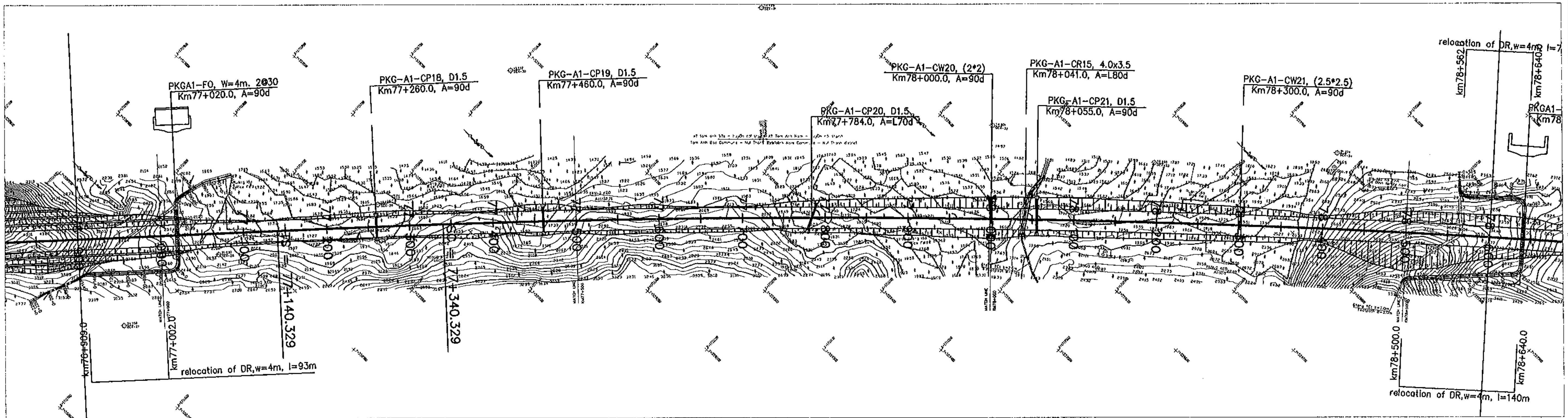
REMARKS:

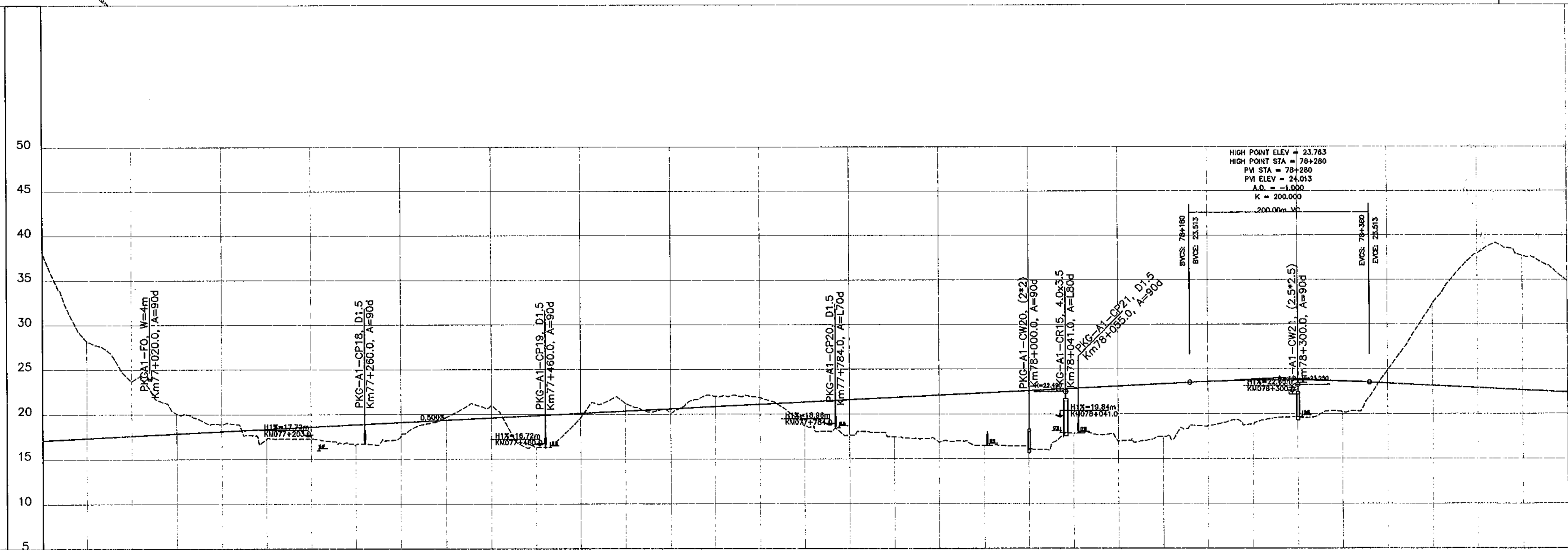
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A1 Station: Km65+000 - Km81+150

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN VU MANH	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 65+000.00 -:- 81+150.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 65+000.00 -:-81+150.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA1-BD-PP-070	2





STATION	76+900	76+950	77+000	77+050	77+100	77+150	77+200	77+250	77+300	77+350	77+400	77+450
FINISHED GRADE	17.114	17.364	17.614	17.864	18.114	18.364	18.614	18.864	19.114	19.364	19.614	19.864
EXISTING GROUND	38.142	28.229	23.733	20.069	18.885	17.283	17.261	16.620	17.542	19.685	20.960	16.352

STATION	77+500	77+550	77+600	77+650	77+700	77+750	77+800	77+850	77+900	77+950	78+000	78+050
FINISHED GRADE	20.114	20.364	20.614	20.864	21.114	21.364	21.614	21.864	22.114	22.364	22.614	22.864
EXISTING GROUND	19.629	21.217	20.117	21.998	21.862	18.697	17.641	17.448	16.857	16.505	16.007	17.842

STATION	78+100	78+150	78+200	78+250	78+300	78+350	78+400	78+450	78+500	78+550	78+600
FINISHED GRADE	23.114	23.364	23.604	23.740	23.752	23.639	23.412	23.162	22.912	22.662	22.412
EXISTING GROUND	16.959	17.465	18.663	18.825	19.645	20.208	24.894	32.367	37.957	37.702	34.859

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

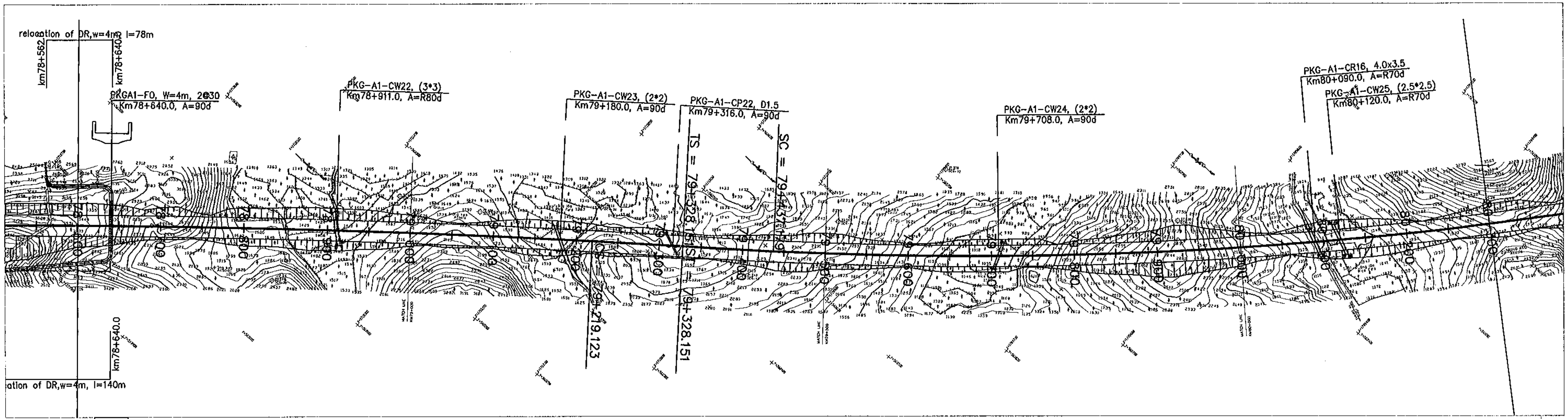
REMARKS:

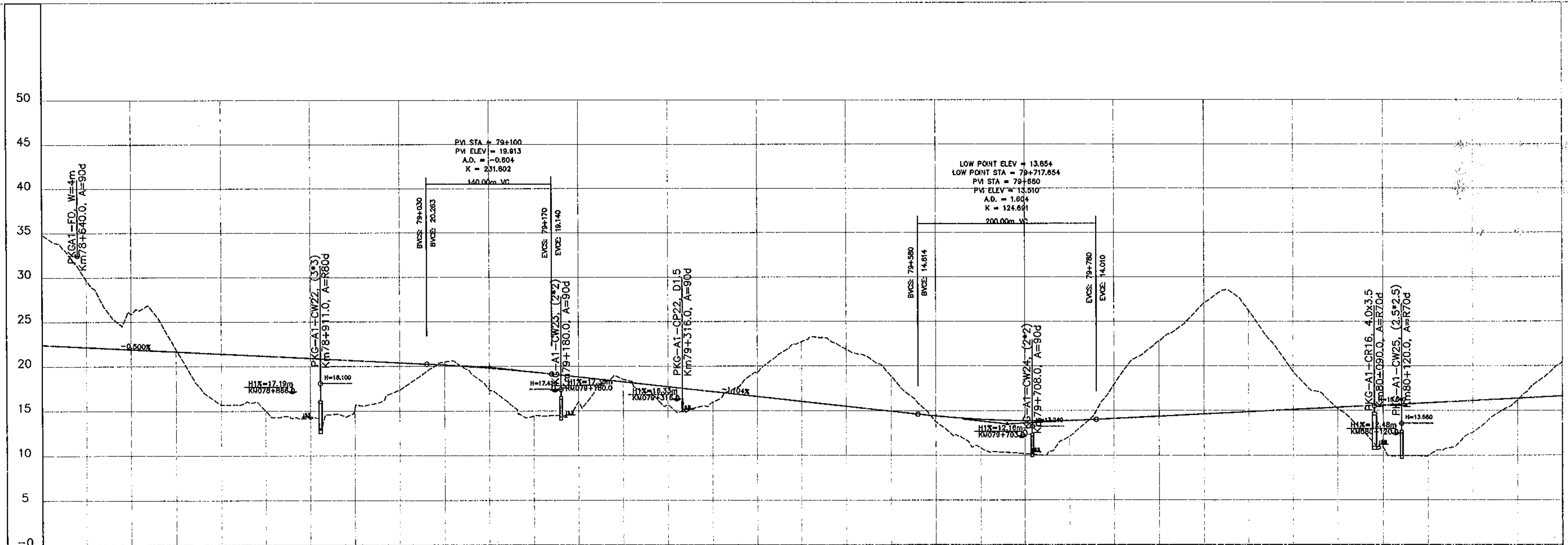
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A1 Station: Km65+000 - Km81+150

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN VU MANH	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 65+000.00 -:- 81+150.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 65+000.00 -:-81+150.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA1-BD-PP-080	2





STATION	78+600	78+650	78+700	78+750	78+800	78+850	78+900	78+950	79+000	79+050	79+100	79+150
FINISHED GRADE	22.412	22.162	21.912	21.662	21.412	21.162	20.912	20.662	20.412	20.153	19.805	19.350
EXISTING GROUND	34.859	29.678	25.891	21.851	15.689	14.972	14.165	15.417	17.381	20.501	17.344	14.426

STATION	79+200	79+250	79+300	79+350	79+400	79+450	79+500	79+550	79+600	79+650	79+700	79+750
FINISHED GRADE	18.806	18.254	17.702	17.150	16.598	16.046	15.494	14.942	14.407	14.036	13.866	13.896
EXISTING GROUND	15.995	18.521	15.686	15.963	19.287	22.733	21.873	18.351	13.735	10.842	10.160	12.157

STATION	79+800	79+850	79+900	79+950	80+000	80+050	80+100	80+150	80+200	80+250	80+300
FINISHED GRADE	14.111	14.361	14.611	14.861	15.111	15.361	15.611	15.861	16.111	16.361	16.611
EXISTING GROUND	17.962	22.816	27.052	26.192	19.325	15.185	10.835	10.011	12.610	16.194	20.446

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

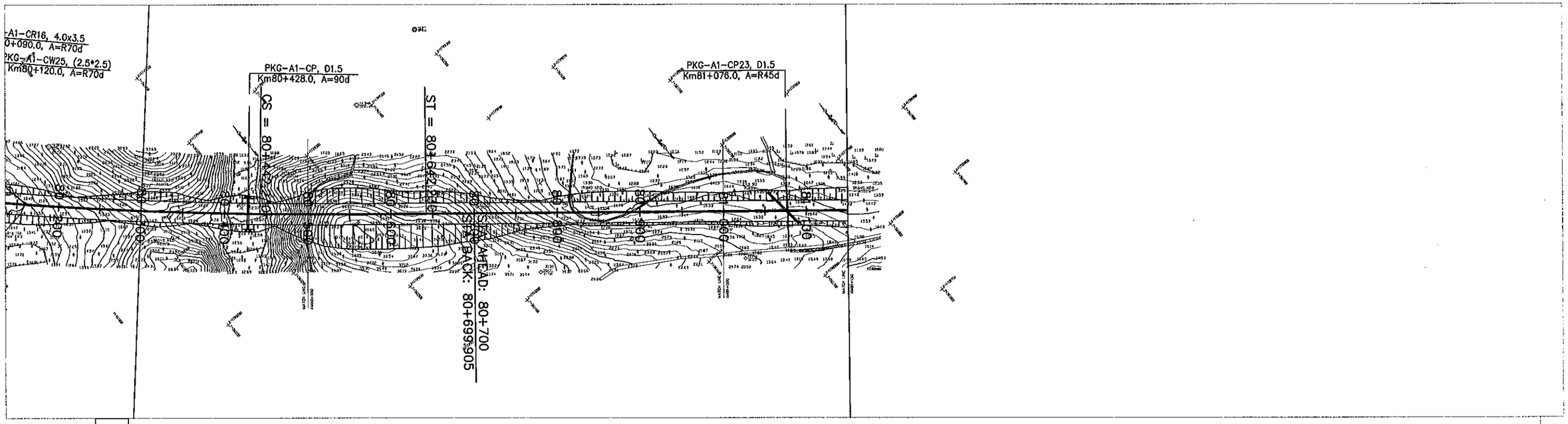
REMARKS:

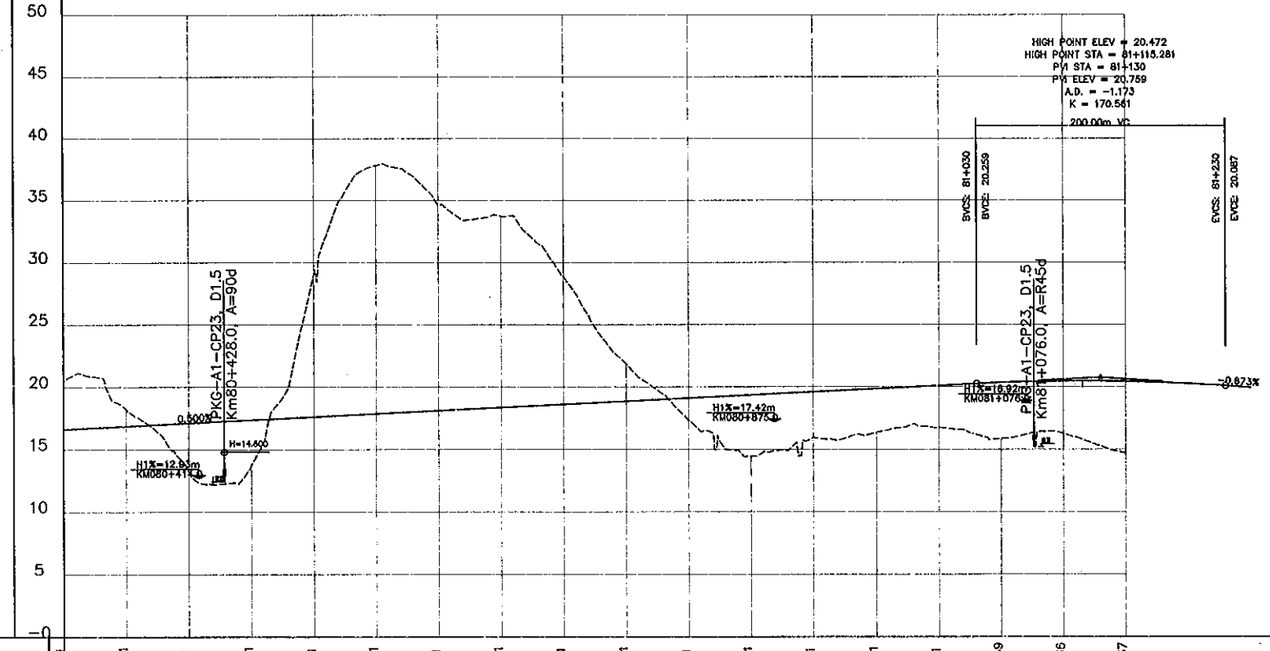
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A1 Station: Km65+000 - Km81+150

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN VU MANH	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 65+000.00 -:- 81+150.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 65+000.00 -:-81+150.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA1-BD-PP-090	2

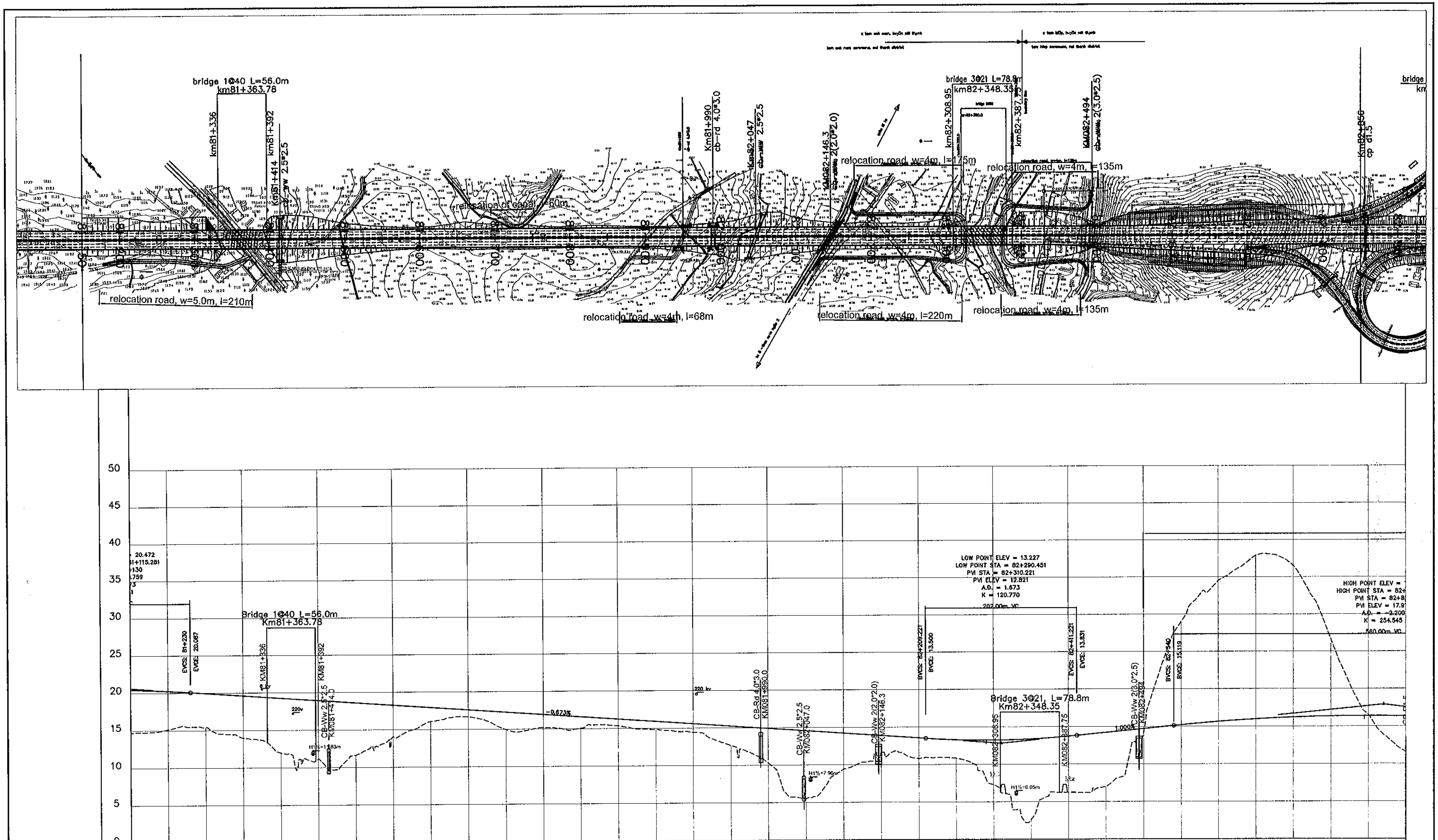




STATION	80+300	80+350	80+400	80+450	80+500	80+550	80+600	80+650	80+700	80+750	80+800	80+850	80+900	80+950	81+000	81+050	81+100	81+150
EXISTING GROUND	20.446	18.200	13.220	13.817	29.207	37.849	34.637	33.715	28.812	21.794	17.291	14.439	15.936	16.367	16.776	15.847	16.222	20.437
FINISHED GRADE	16.611	16.861	17.111	17.361	17.611	17.861	18.111	18.361	18.611	18.861	19.111	19.361	19.611	19.861	20.111	20.349	20.466	

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: A1 Station: Km65+000 - Km81+150					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	PLAN AND PROFILE: STA 65+000.00 -:- 81+150.00 BÌNH ĐỒ VÀ TRÁC DỌC: STA 65+000.00 -:-81+150.00		
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN VU MANH	TAKAYASU NAGAI	I. ISHIMOTO	SCALE	DRAWING NO.	REV. NO.
				SIGNATURE				H:1/5,000 V:1/500	PKGA1-BD-PP-100	2
				DATE						

D1-10. PACKAGE A2
D1-10. GÓI THẦU A2



STATION	FINISHED GRADE	EXISTING GROUND
81+150	20.437	14.693
81+200	20.262	15.130
81+250	19.952	15.413
81+300	19.616	13.990
81+350	19.279	11.982
81+400	18.943	11.128
81+450	18.607	11.641
81+500	18.271	14.080
81+550	17.934	16.054
81+600	17.598	16.680
81+650	17.262	14.944
81+700	16.925	15.170
81+750	16.589	15.070
81+800	16.253	15.370
81+850	15.916	14.842
81+900	15.580	14.410
81+950	15.244	12.667
82+000	14.908	10.280
82+050	14.571	5.533
82+100	14.235	9.420
82+150	13.899	11.682
82+200	13.562	10.800
82+250	13.295	10.839
82+300	13.231	7.275
82+350	13.374	2.641
82+400	13.724	6.250
82+450	14.219	7.020
82+500	14.719	14.302
82+550	15.217	29.011
82+600	15.648	34.530
82+650	15.981	37.905
82+700	16.216	36.550
82+750	16.353	26.659
82+800	16.391	16.550
82+850	16.331	11.550

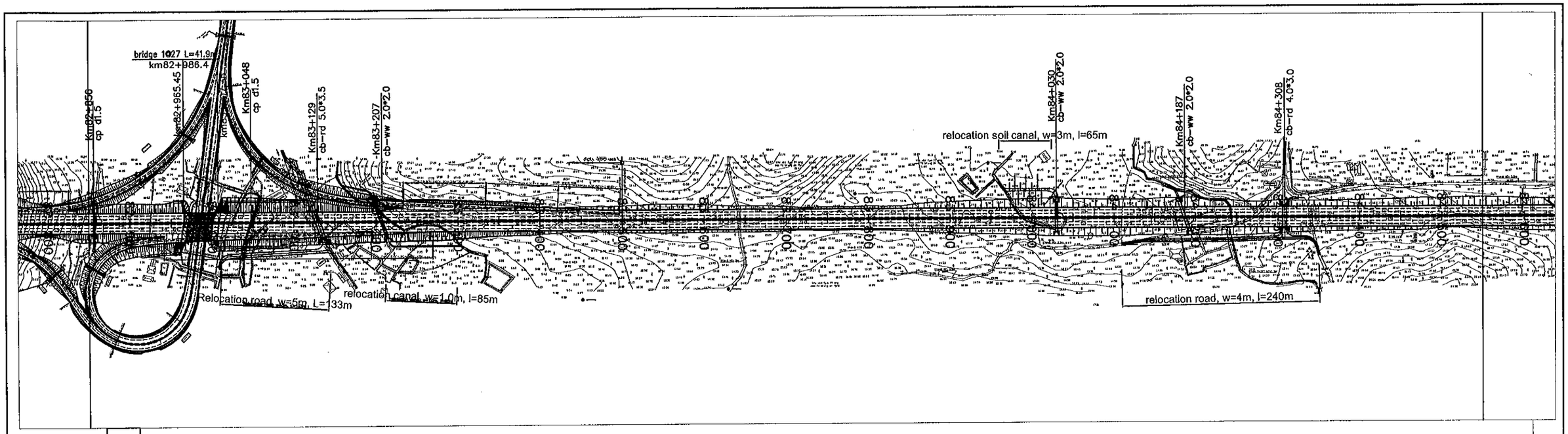
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

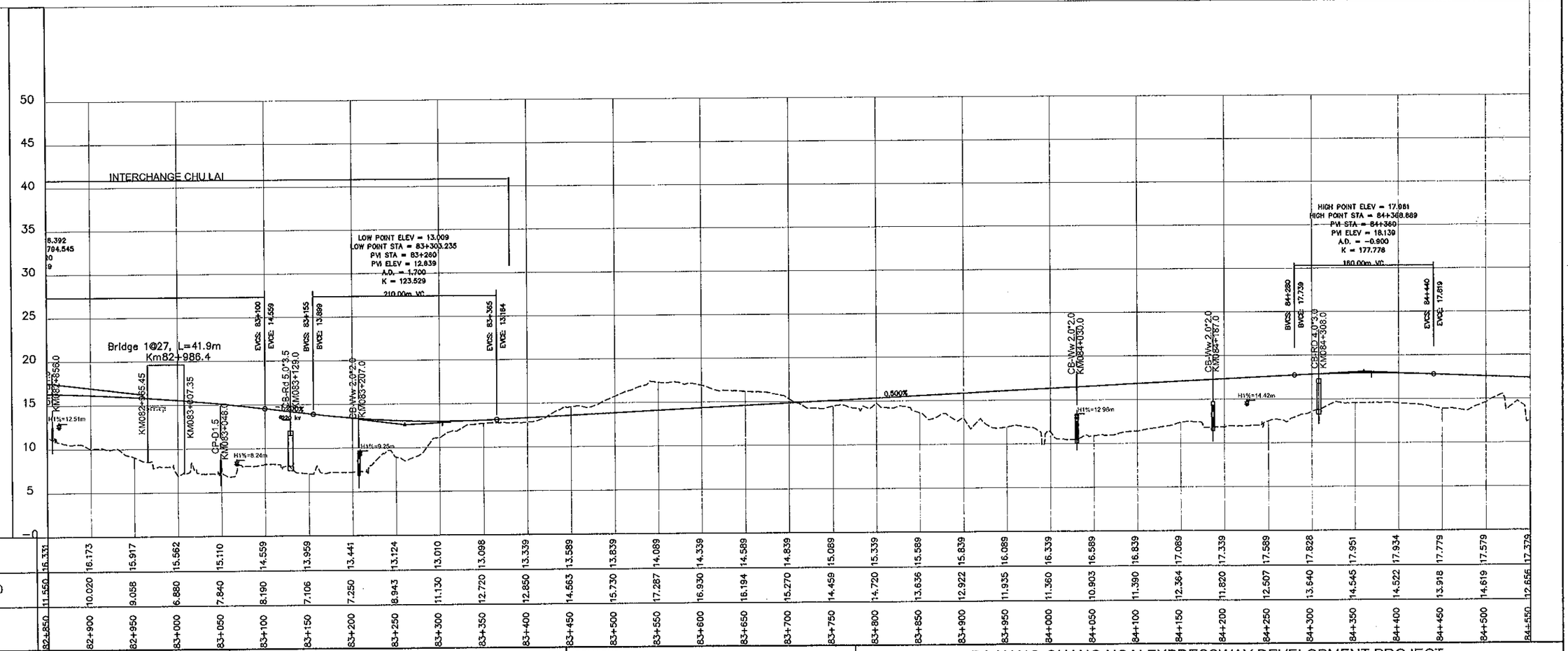
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A2 Station: Km81+150 - Km99+500

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	H. V. QUANG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	(signed)	(signed)	(signed)
DATE			

PLAN AND PROFILE: STA 81+150.00 -:- 99+500.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 81+150.00 -:- 99+500.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA2-BD-PP-010	3





STATION	FINISHED GRADE	EXISTING GROUND
82+850	16.331	11.550
82+900	16.173	10.020
82+950	15.917	9.058
83+000	15.562	6.880
83+050	15.110	7.840
83+100	14.559	8.190
83+150	13.959	7.106
83+200	13.441	7.250
83+250	13.124	8.943
83+300	13.010	11.130
83+350	13.098	12.720
83+400	13.339	12.850
83+450	13.589	14.563
83+500	13.839	15.730
83+550	14.089	17.287
83+600	14.339	16.930
83+650	14.589	16.194
83+700	14.839	15.270
83+750	15.089	14.459
83+800	15.339	14.720
83+850	15.589	13.636
83+900	15.839	12.922
83+950	16.089	11.935
84+000	16.339	11.360
84+050	16.589	10.903
84+100	16.839	11.390
84+150	17.089	12.364
84+200	17.339	11.820
84+250	17.589	12.507
84+300	17.828	13.640
84+350	17.951	14.545
84+400	17.934	14.522
84+450	17.779	13.918
84+500	17.579	14.619
84+550	17.379	12.656

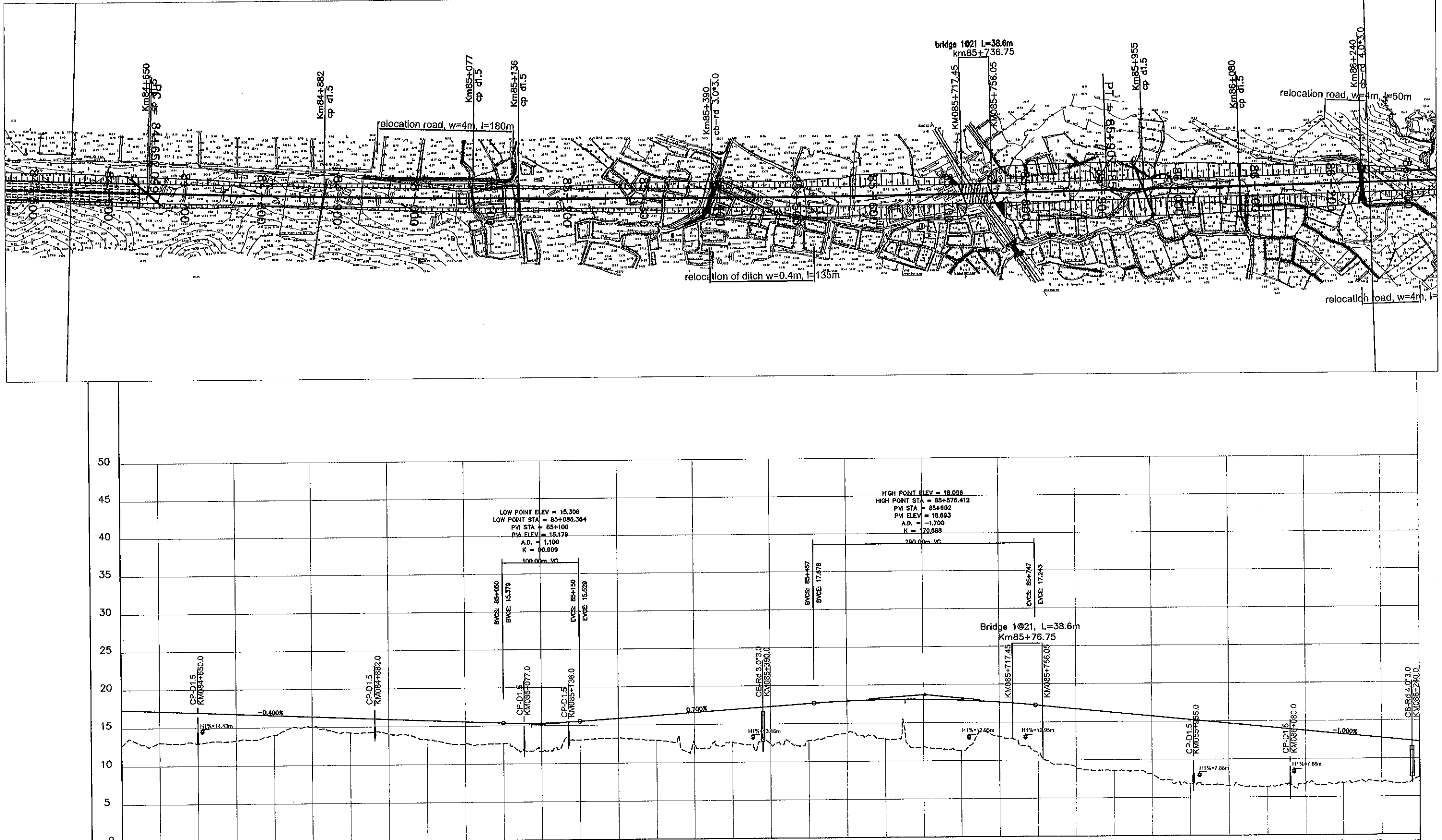
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A2 Station: Km81+150 - Km99+500

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	H. V. QUANG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 81+150.00 -:- 99+500.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 81+150.00 -:- 99+500.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA2-BD-PP-020	3



STATION	84+550	84+600	84+650	84+700	84+750	84+800	84+850	84+900	84+950	85+000	85+050	85+100	85+150	85+200	85+250	85+300	85+350	85+400
FINISHED GRADE	17.379	17.179	16.979	16.779	16.579	16.379	16.179	15.979	15.779	15.579	15.379	15.316	15.529	15.879	16.229	16.579	16.929	17.279
EXISTING GROUND	12.556	13.058	12.944	13.274	14.026	15.028	14.245	14.110	13.284	12.618	12.677	11.580	13.036	13.324	12.962	12.685	12.633	12.366

STATION	85+450	85+500	85+550	85+600	85+650	85+700	85+750	85+800	85+850	85+900	85+950	86+000	86+050	86+100	86+150	86+200	86+250
FINISHED GRADE	17.629	17.925	18.075	18.079	17.937	17.648	17.213	16.713	16.213	15.713	15.213	14.713	14.213	13.713	13.213	12.713	12.213
EXISTING GROUND	12.771	13.741	12.991	11.892	11.312	13.157	11.048	9.000	8.550	8.094	6.768	6.534	6.352	6.752	6.850	6.912	7.583

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

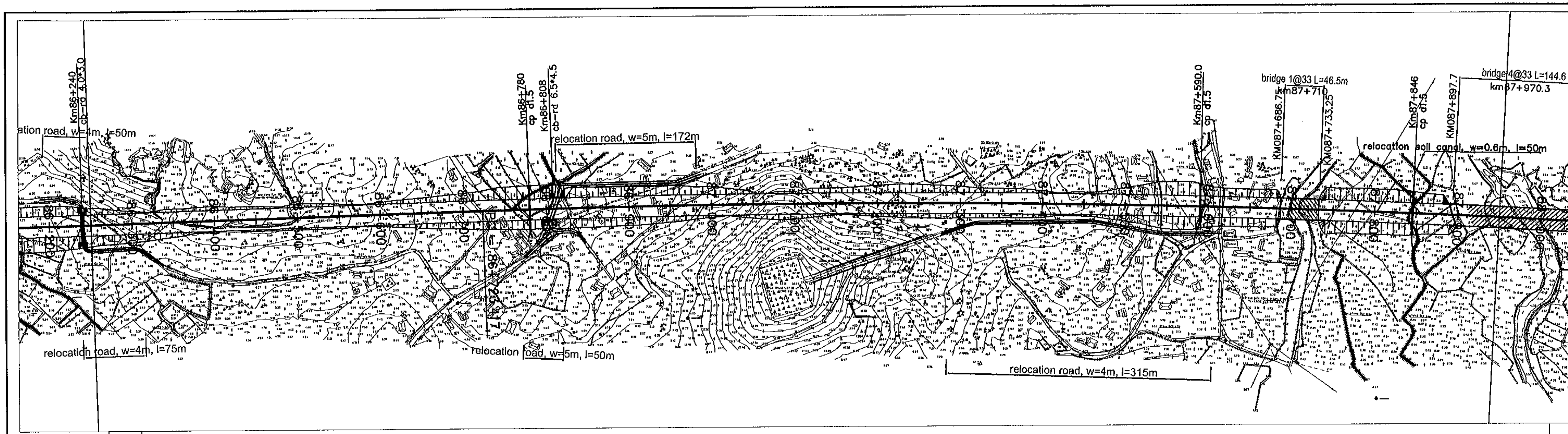
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

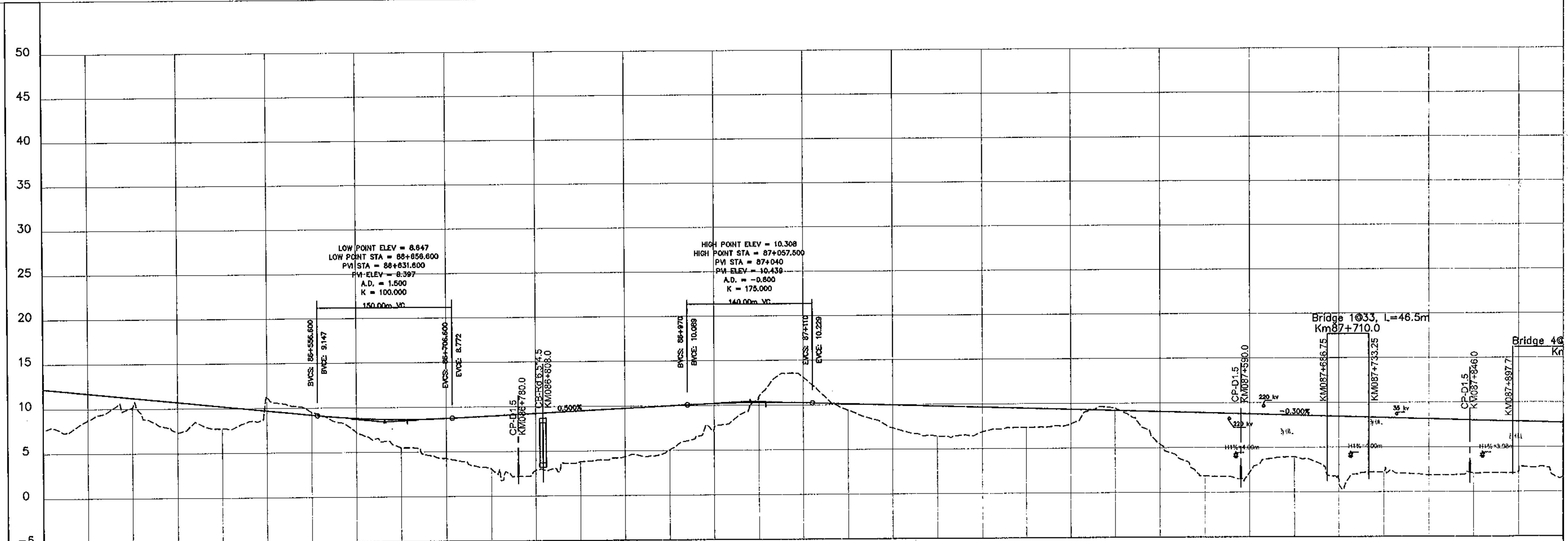
Package: A2 Station: Km81+150 - Km99+500

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	H. V. QUANG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	(signed)	(signed)	(signed)
DATE			

PLAN AND PROFILE: STA 81+150.00 -:- 99+500.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 81+150.00 -:- 99+500.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA2-BD-PP-030	3





FINISHED GRADE	12.213	11.713	11.213	10.713	10.213	9.713	9.213	8.807	8.649
EXISTING GROUND	7.583	8.711	10.150	7.321	7.766	11.196	9.525	7.218	5.484
STATION	86+250	86+300	86+350	86+400	86+450	86+500	86+550	86+600	86+650

FINISHED GRADE	8.741	8.989	9.239	9.489	9.739	9.989	10.213	10.306	10.256
EXISTING GROUND	4.262	3.052	2.890	3.816	4.373	5.078	7.429	11.011	13.094
STATION	86+700	86+750	86+800	86+850	86+900	86+950	87+000	87+050	87+100

FINISHED GRADE	10.109	9.959	9.809	9.659	9.509	9.359	9.209	9.059	8.909
EXISTING GROUND	9.404	7.373	6.450	6.908	7.351	7.704	9.460	5.398	1.839
STATION	87+150	87+200	87+250	87+300	87+350	87+400	87+450	87+500	87+550

FINISHED GRADE	8.759	8.609	8.459	8.309	8.159	8.009	7.859	7.709
EXISTING GROUND	2.235	3.966	1.213	2.210	1.879	2.103	2.370	2.024
STATION	87+600	87+650	87+700	87+750	87+800	87+850	87+900	87+950

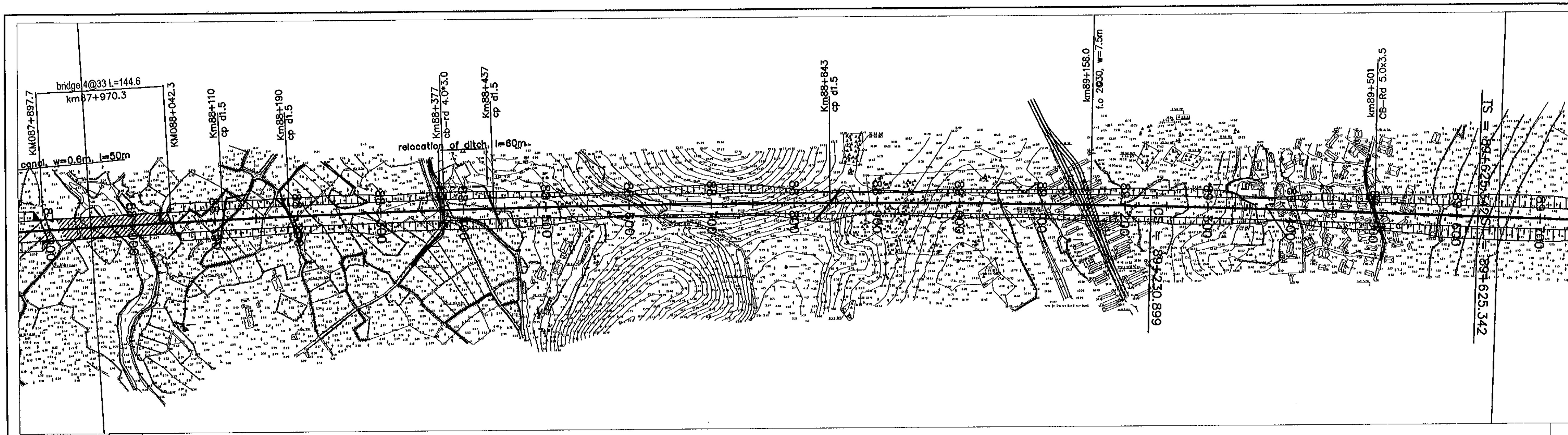
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

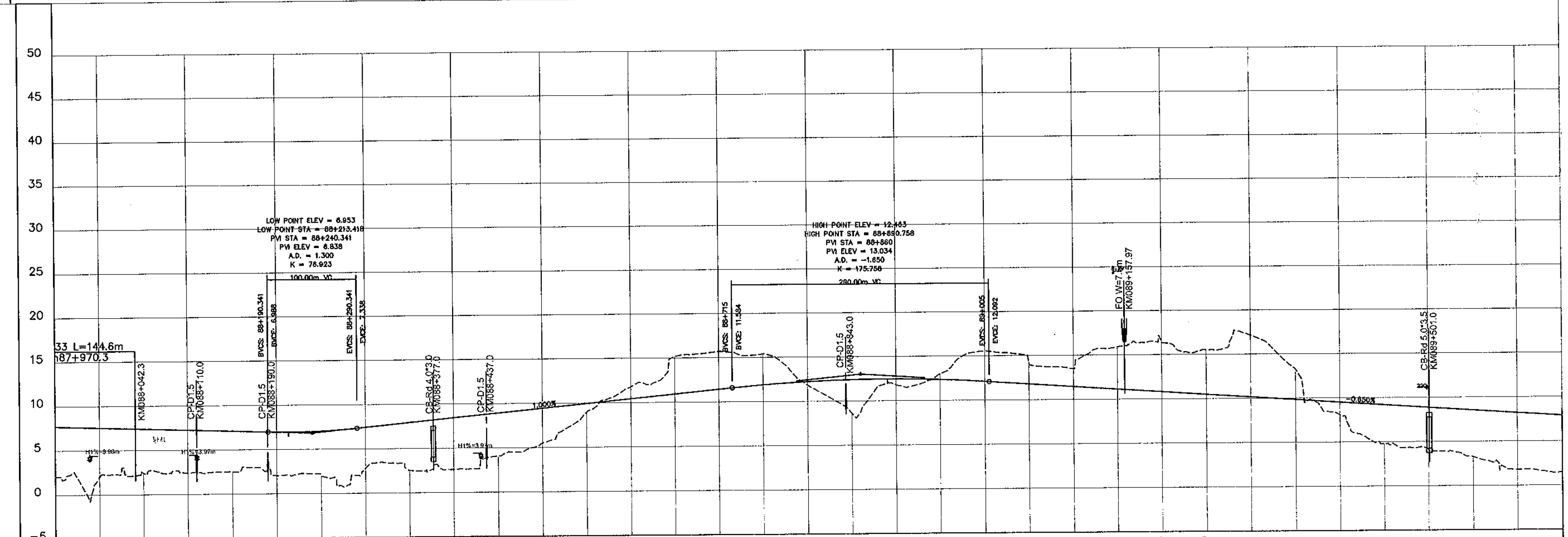
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A2 Station: Km81+150 - Km99+500

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	H. V. QUANG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 81+150.00 -:- 99+500.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 81+150.00 -:- 99+500.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA2-BD-PP-040	3





STATION	87+950	88+000	88+050	88+100	88+150	88+200	88+250	88+300	88+350	88+400	88+450	88+500
FINISHED GRADE	7.709	7.559	7.409	7.259	7.109	6.965	7.040	7.434	7.934	8.434	8.934	9.434
EXISTING GROUND	2.024	2.152	2.447	2.406	2.516	2.036	1.963	2.817	2.525	2.612	4.081	5.515

STATION	88+550	88+600	88+650	88+700	88+750	88+800	88+850	88+900	88+950	89+000	89+050	89+100
FINISHED GRADE	9.934	10.434	10.934	11.434	11.900	12.229	12.416	12.461	12.363	12.124	11.799	11.474
EXISTING GROUND	8.962	11.759	15.170	15.715	15.402	11.819	8.614	11.802	13.004	15.543	14.264	13.477

STATION	89+150	89+200	89+250	89+300	89+350	89+400	89+450	89+500	89+550	89+600	89+650
FINISHED GRADE	11.149	10.824	10.499	10.174	9.849	9.524	9.199	8.874	8.549	8.224	7.899
EXISTING GROUND	15.935	16.505	15.540	17.167	13.287	8.086	4.776	4.125	3.267	1.813	1.471

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

REMARKS:

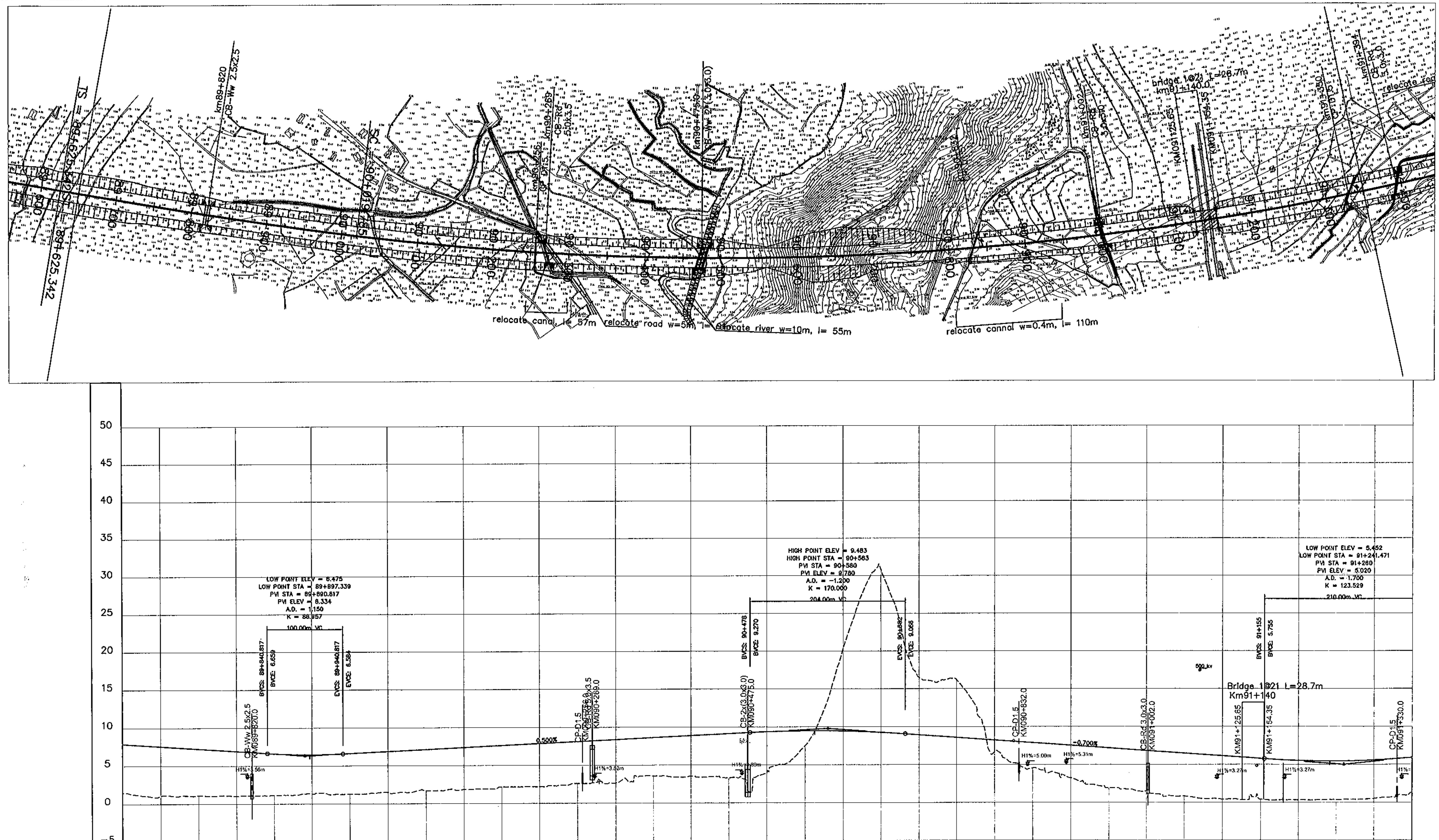
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: A2 Station: Km81+150 - Km99+500

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	H. V. QUANG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	(signature)	(signature)	(signature)
DATE			

PLAN AND PROFILE: STA 81+150.00 -:- 99+500.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 81+150.00 -:- 99+500.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA2-BD-PP-050	3



FINISHED GRADE	7.899	7.574	7.249	6.924	6.604	6.476	6.630	6.880	7.130	7.380	7.630	7.880
EXISTING GROUND	1.471	1.063	1.119	1.046	1.148	1.327	1.292	1.536	1.716	1.874	2.185	2.191
STATION	89+650	89+700	89+750	89+800	89+850	89+900	89+950	90+000	90+050	90+100	90+150	90+200

FINISHED GRADE	8.130	8.380	8.630	8.880	9.130	9.366	9.478	9.442	9.260	8.940	8.590	8.240
EXISTING GROUND	2.601	2.681	3.599	3.516	3.287	3.946	7.511	20.370	30.815	16.491	16.230	6.637
STATION	90+250	90+300	90+350	90+400	90+450	90+500	90+550	90+600	90+650	90+700	90+750	90+800

FINISHED GRADE	7.890	7.540	7.190	6.840	6.490	6.140	5.790	5.522	5.455	5.591	5.929
EXISTING GROUND	4.545	3.257	1.926	1.517	0.841	0.417	0.430	0.328	0.372	0.539	1.293
STATION	90+850	90+900	90+950	91+000	91+050	91+100	91+150	91+200	91+250	91+300	91+350

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Thai Engineering Consultants Co., Ltd.

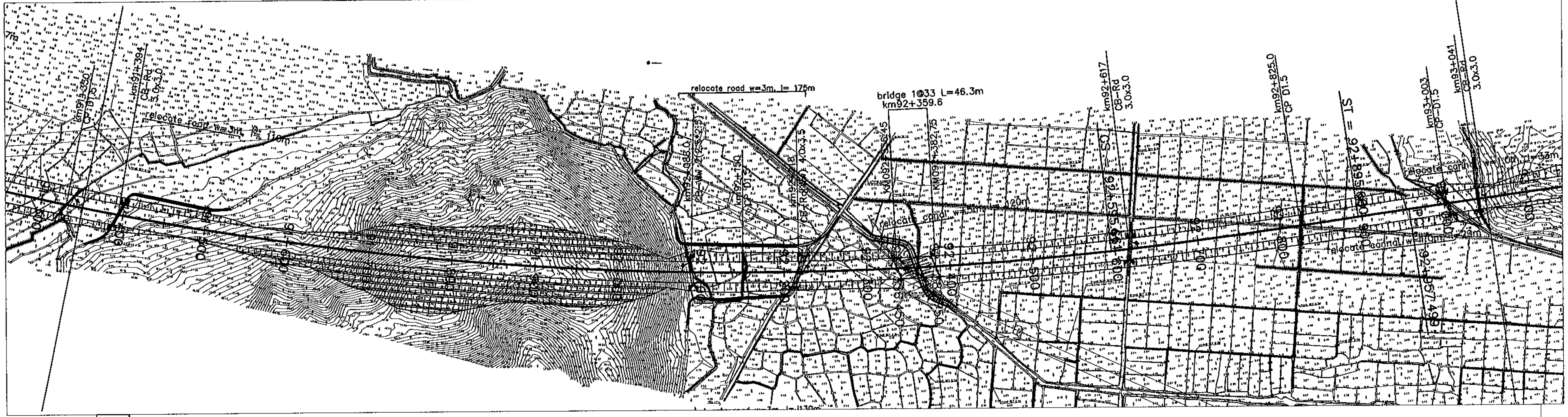
REMARKS:

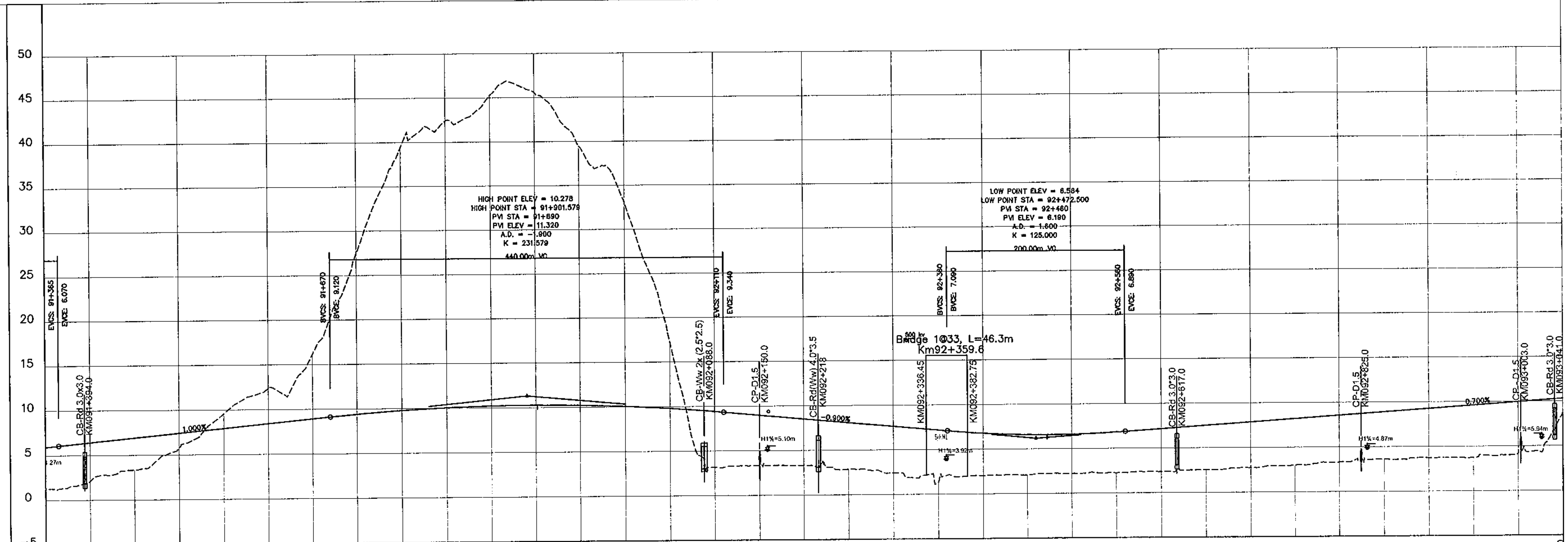
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A2 Station: Km81+150 - Km99+500

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	H. V. QUANG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 81+150.00 -:- 99+500.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 81+150.00 -:- 99+500.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA2-BD-PP-060	3





FINISHED GRADE	5.929	6.420	6.920	7.420	7.920	8.420	8.920	9.401	9.782	10.055	10.220	10.278
EXISTING GROUND	1.293	2.114	3.349	5.778	9.584	12.345	16.145	27.469	39.468	42.404	45.280	45.616
STATION	91+350	91+400	91+450	91+500	91+550	91+600	91+650	91+700	91+750	91+800	91+850	91+900

FINISHED GRADE	10.227	10.069	9.802	9.428	8.980	8.530	8.080	7.630	7.180	6.794	6.604	6.614
EXISTING GROUND	39.497	33.095	17.242	3.153	3.354	3.322	2.873	2.414	1.363	2.026	2.070	2.199
STATION	91+950	92+000	92+050	92+100	92+150	92+200	92+250	92+300	92+350	92+400	92+450	92+500

FINISHED GRADE	6.824	7.170	7.520	7.870	8.220	8.570	8.920	9.270	9.620	9.970	10.320
EXISTING GROUND	2.240	2.362	2.546	2.739	3.002	3.313	3.620	3.750	3.764	4.151	8.714
STATION	92+550	92+600	92+650	92+700	92+750	92+800	92+850	92+900	92+950	93+000	93+050

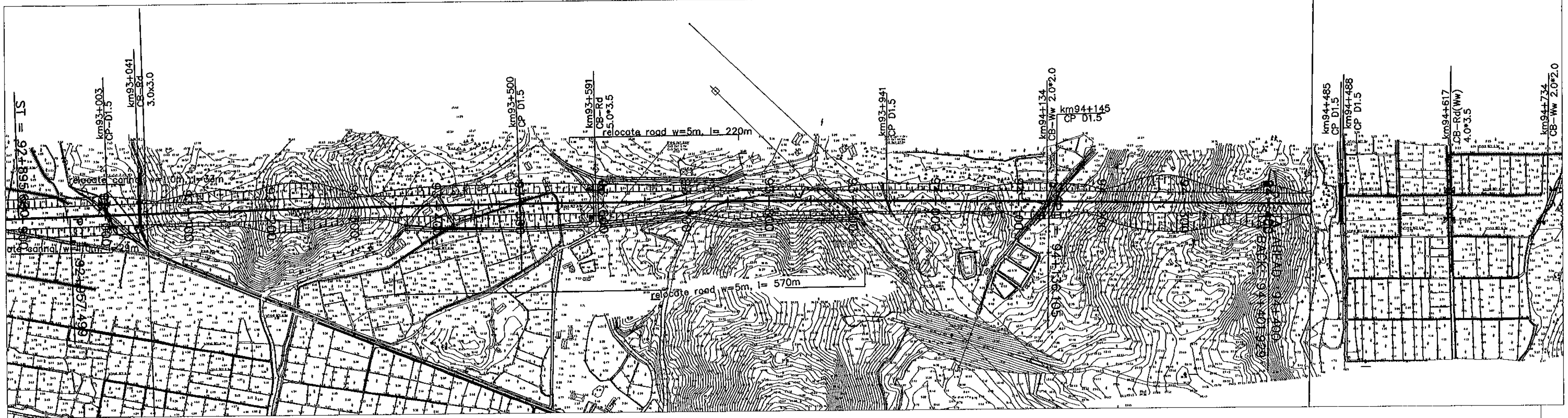
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

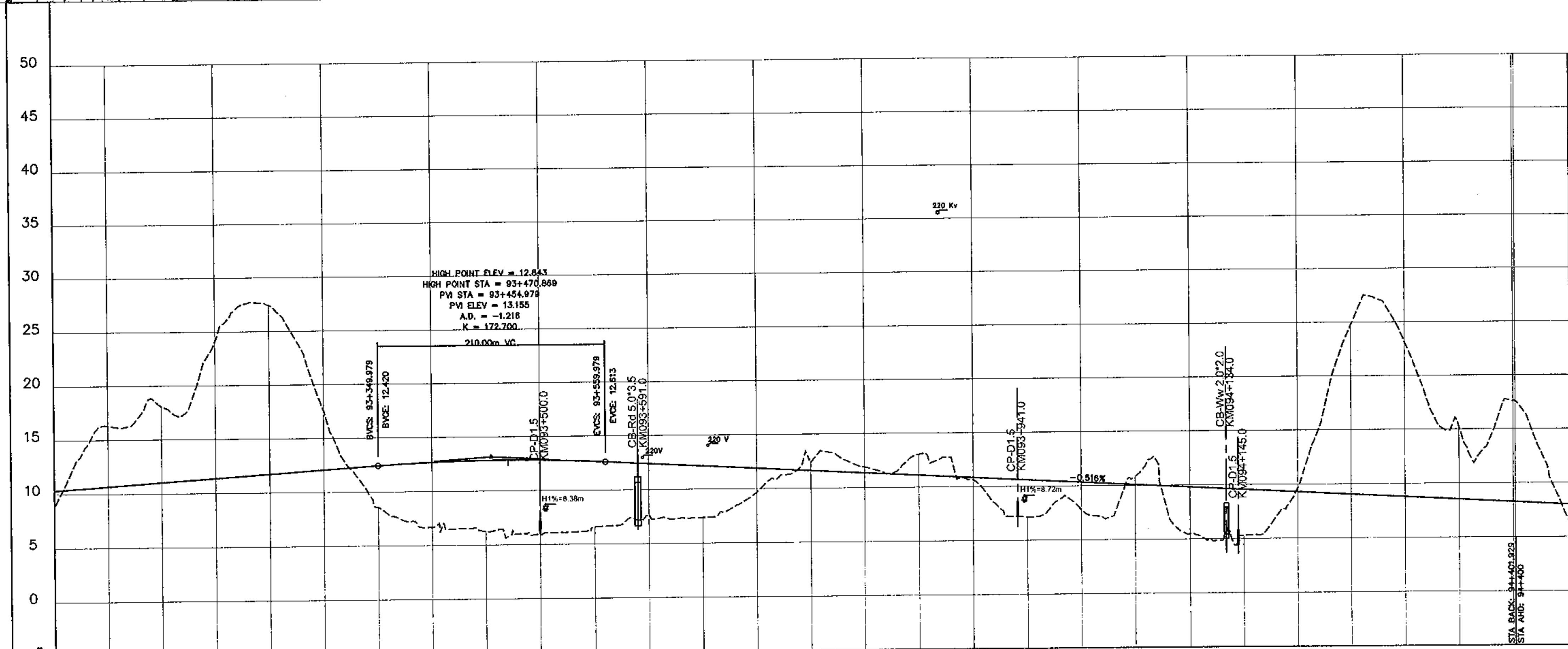
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A2 Station: Km81+150 - Km99+500

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	H. V. QUANG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 81+150.00 -:- 99+500.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 81+150.00 -:- 99+500.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA2-BD-PP-070	3





FINISHED GRADE	10.320	10.670	11.020	11.370	11.720	12.070	12.420	12.598	12.830	12.818
EXISTING GROUND	8.714	16.315	18.099	24.096	27.425	17.564	8.569	6.673	6.275	5.920
STATION	93+050	93+100	93+150	93+200	93+250	93+300	93+350	93+400	93+450	93+500

FINISHED GRADE	12.662	12.407	12.149	11.891	11.633	11.375	11.117	10.859	10.601	10.343
EXISTING GROUND	6.602	7.645	7.362	9.684	12.396	11.908	13.049	10.639	7.147	7.804
STATION	93+550	93+600	93+650	93+700	93+750	93+800	93+850	93+900	93+950	94+000

FINISHED GRADE	10.085	9.827	9.569	9.311	9.053	8.795	8.537	8.279	8.011
EXISTING GROUND	10.845	5.497	5.302	9.654	24.714	23.090	15.265	17.625	6.678
STATION	94+050	94+100	94+150	94+200	94+250	94+300	94+350	94+400	94+450

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

REMARKS:

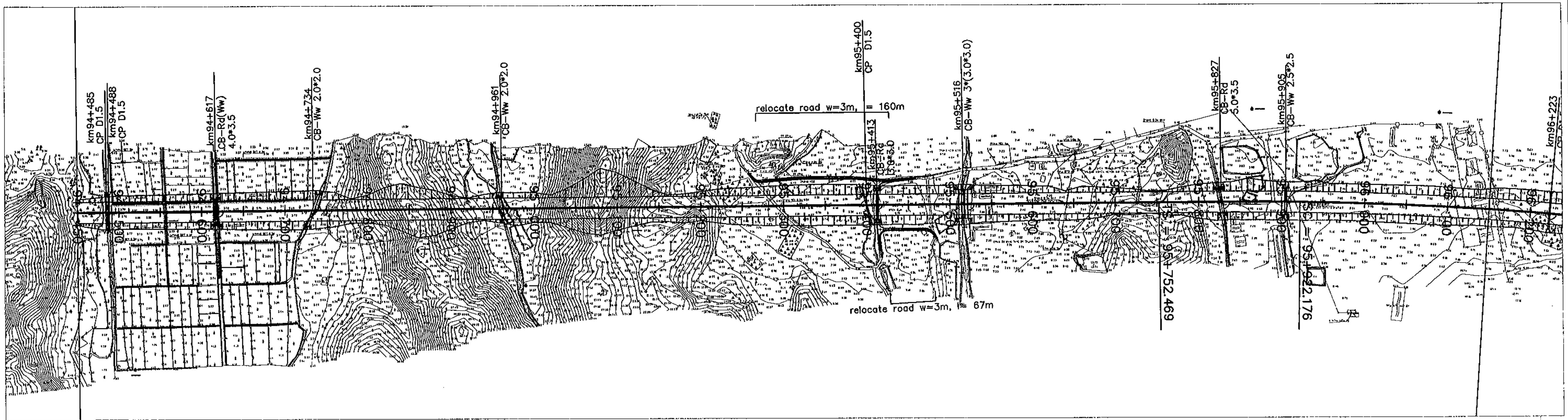
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

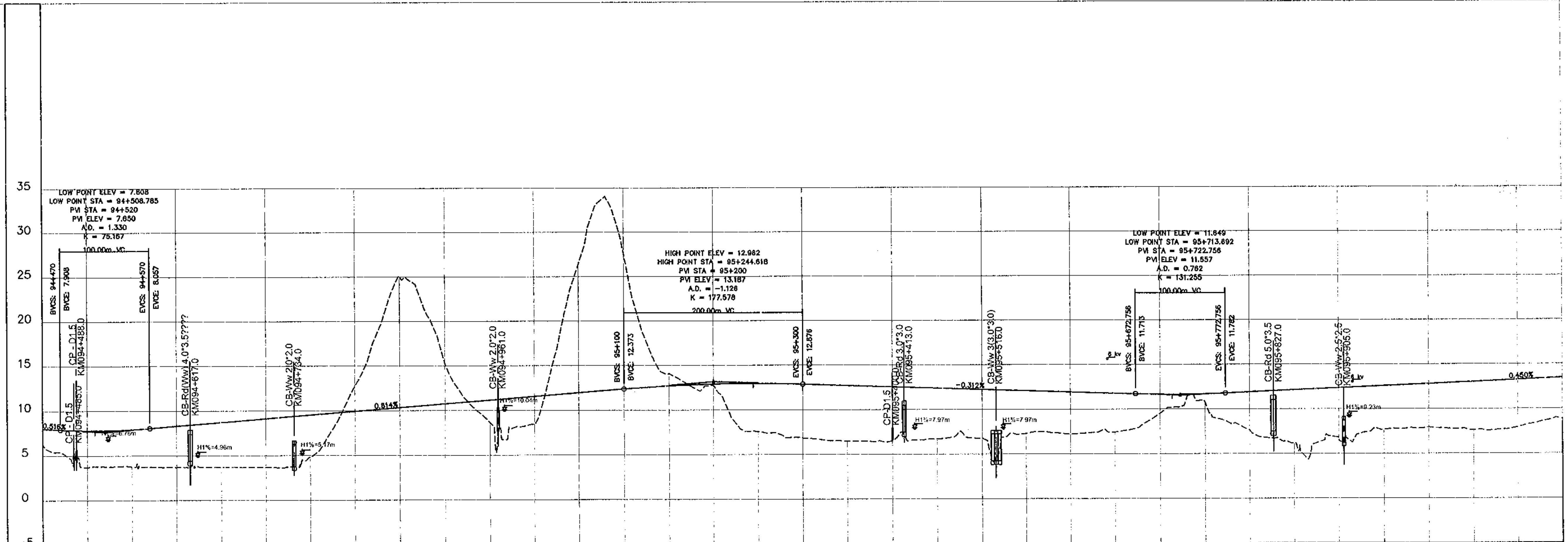
Package: A2 Station: Km81+150 - Km99+500

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	H. V. QUANG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	(signed)	(signed)	(signed)
DATE			

PLAN AND PROFILE: STA 81+150.00 -:- 99+500.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 81+150.00 -:- 99+500.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA2-BD-PP-080	3





STATION	94+450	94+500	94+550	94+600	94+650	94+700	94+750	94+800	94+850	94+900	94+950	95+000
FINISHED GRADE	8.011	7.813	7.921	8.301	8.708	9.115	9.523	9.930	10.337	10.744	11.151	11.559
EXISTING GROUND	6.344	3.690	3.779	3.670	3.715	3.690	4.874	12.760	25.031	15.270	8.651	8.410

STATION	95+050	95+100	95+150	95+200	95+250	95+300	95+350	95+400	95+450	95+500	95+550	95+600
FINISHED GRADE	11.966	12.373	12.710	12.906	12.961	12.876	12.720	12.564	12.408	12.252	12.096	11.940
EXISTING GROUND	26.415	27.571	14.095	12.780	7.578	6.840	6.485	6.530	6.717	6.780	7.293	7.200

STATION	95+650	95+700	95+750	95+800	95+850	95+900	95+950	96+000	96+050	96+100	96+150
FINISHED GRADE	11.784	11.656	11.699	11.905	12.130	12.355	12.580	12.805	13.030	13.255	13.480
EXISTING GROUND	7.415	9.530	10.735	7.639	6.162	6.663	7.686	7.934	7.642	7.938	8.842

MINISTRY OF TRANSPORT VIETNAM

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VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

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Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

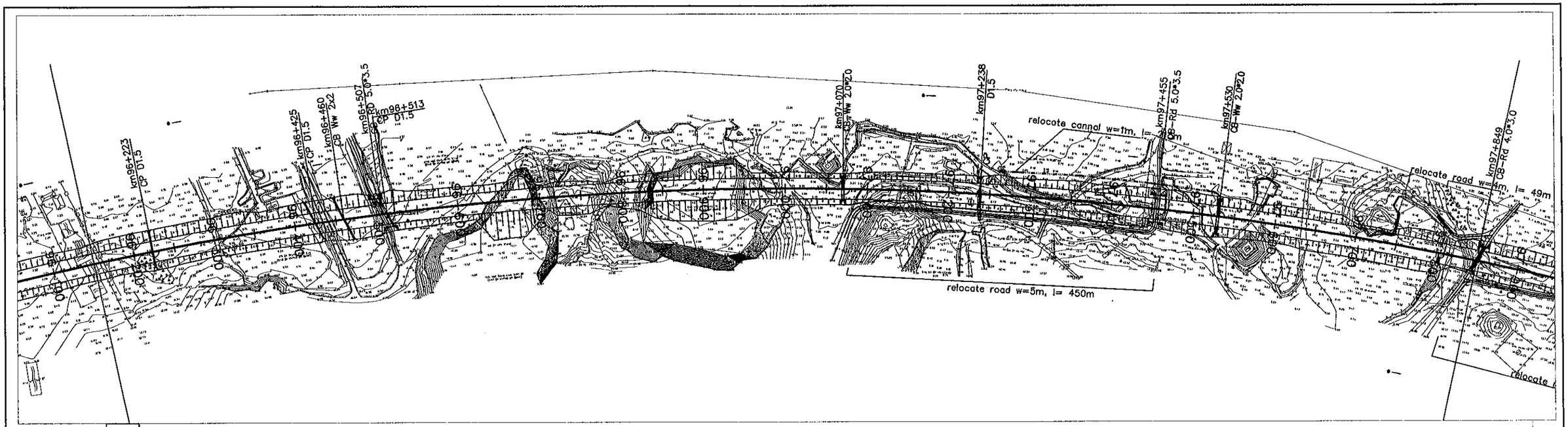
REMARKS:

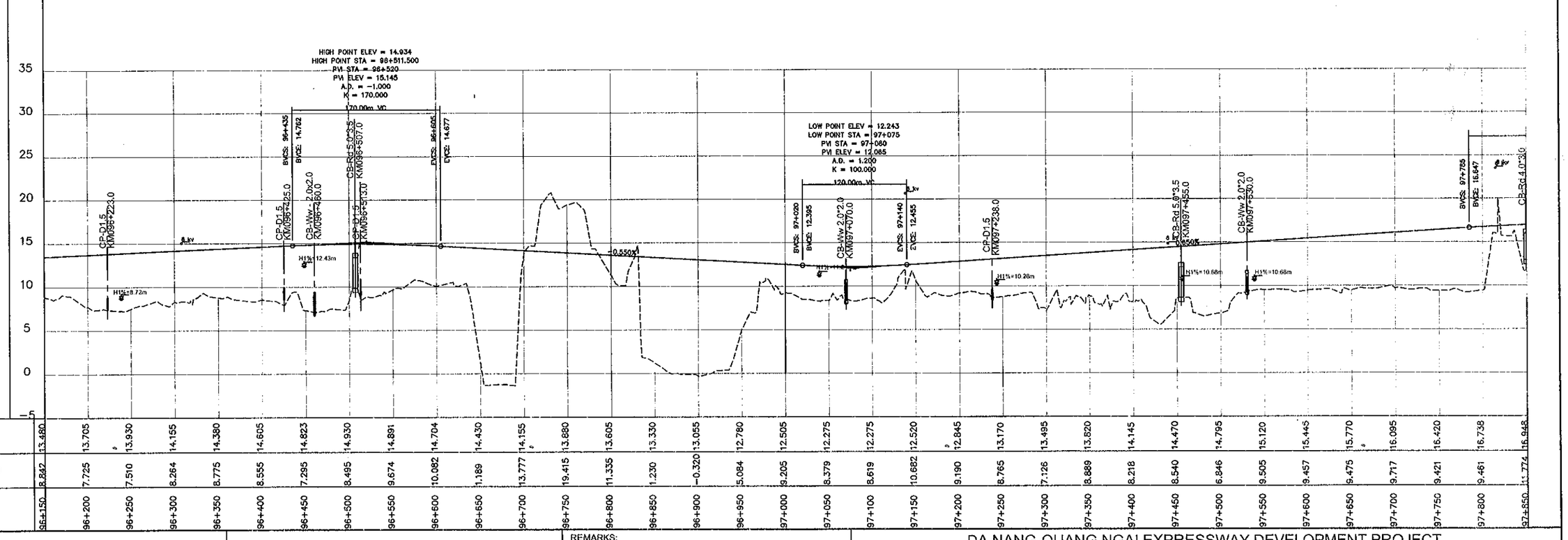
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A2 Station: Km81+150 - Km99+500

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	H. V. QUANG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 81+150.00 -:- 99+500.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 81+150.00 -:- 99+500.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA2-BD-PP-090	2





STATION	EXISTING GROUND	FINISHED GRADE
96+150	8.842	13.480
96+200	7.725	13.705
96+250	7.510	13.930
96+300	8.264	14.155
96+350	8.775	14.380
96+400	8.555	14.605
96+450	7.295	14.823
96+500	8.495	14.930
96+550	9.674	14.891
96+600	10.082	14.704
96+650	11.189	14.430
96+700	13.777	14.155
96+750	19.415	13.880
96+800	11.335	13.605
96+850	1.230	13.330
96+900	-0.320	13.055
96+950	5.084	12.780
97+000	9.205	12.505
97+050	8.379	12.275
97+100	8.619	12.275
97+150	10.682	12.520
97+200	9.190	12.845
97+250	8.765	13.170
97+300	7.126	13.495
97+350	8.889	13.820
97+400	8.218	14.145
97+450	8.540	14.470
97+500	6.846	14.795
97+550	9.505	15.120
97+600	9.457	15.445
97+650	9.475	15.770
97+700	9.717	16.095
97+750	9.421	16.420
97+800	9.461	16.738
97+850	11.774	16.948

MINISTRY OF TRANSPORT VIETNAM

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VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

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Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

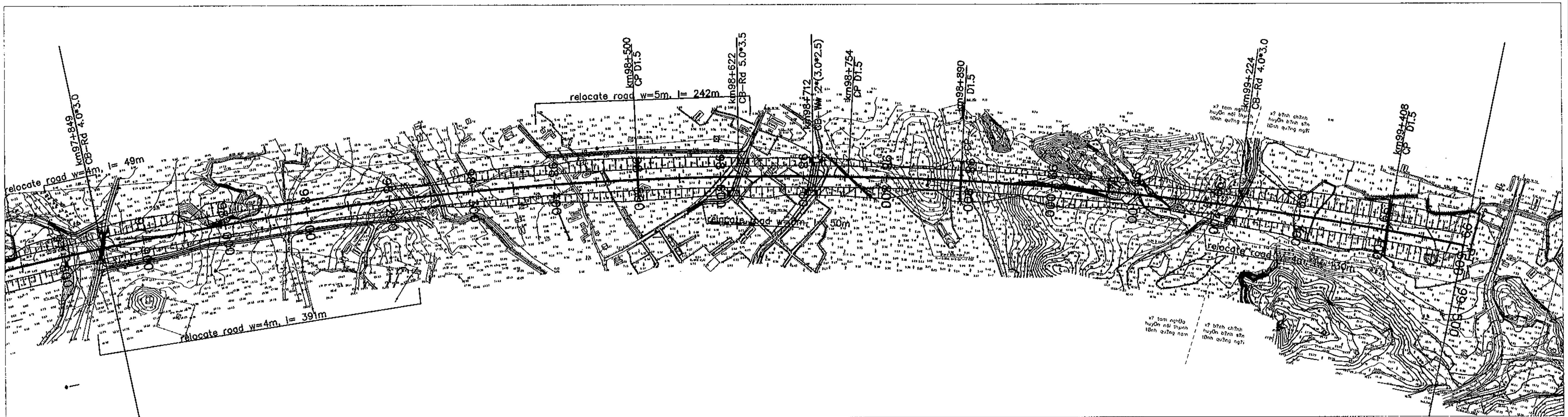
REMARKS:

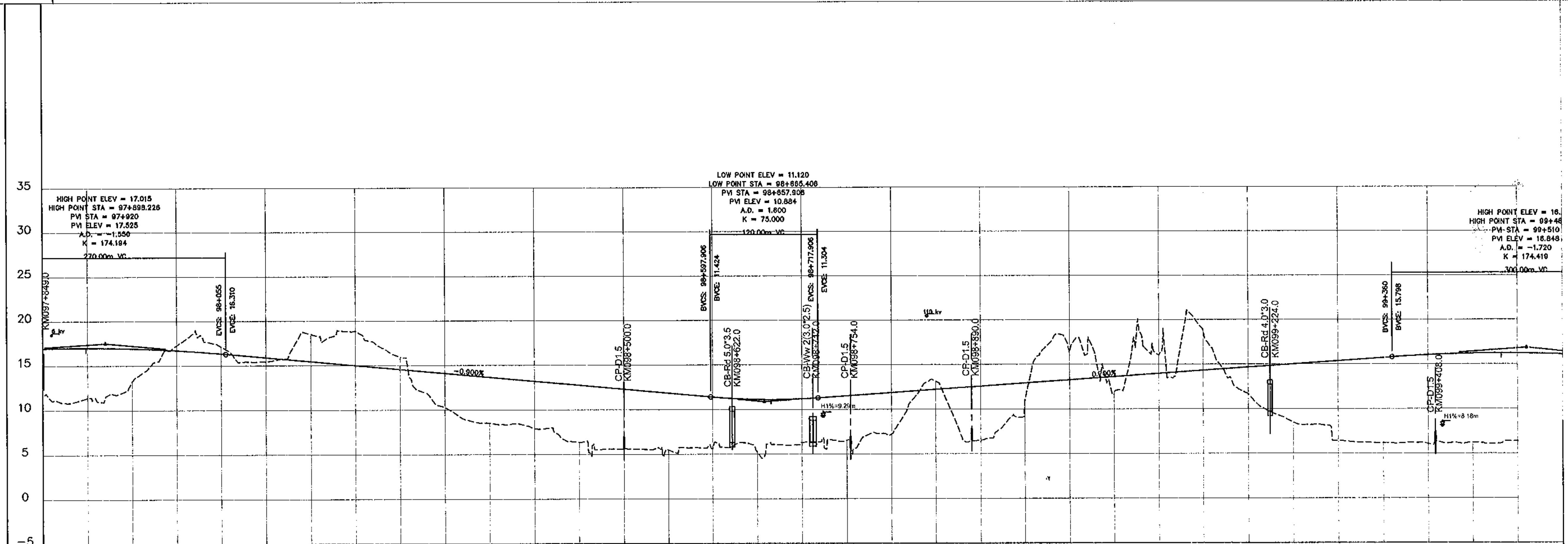
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A2 Station: Km81+150 - Km99+500

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	H. V. QUANG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 81+150.00 -:- 99+500.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 81+150.00 -:- 99+500.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA2-BD-PP-100	2





STATION	97+850	97+900	97+950	98+000	98+050	98+100	98+150	98+200	98+250	98+300	98+350	98+400
FINISHED GRADE	16.948	17.015	16.938	16.718	16.354	15.905	15.455	15.005	14.555	14.105	13.655	13.205
EXISTING GROUND	11.774	11.384	13.242	17.280	17.129	15.431	18.517	18.860	15.950	10.287	8.536	7.914

STATION	98+450	98+500	98+550	98+600	98+650	98+700	98+750	98+800	98+850	98+900	98+950
FINISHED GRADE	12.755	12.305	11.855	11.405	11.136	11.200	11.528	11.878	12.228	12.578	12.928
EXISTING GROUND	6.356	5.569	5.484	5.684	5.225	6.314	6.534	7.205	13.115	6.506	10.929

STATION	99+000	99+050	99+100	99+150	99+200	99+250	99+300	99+350	99+400	99+450	99+500
FINISHED GRADE	13.278	13.628	13.978	14.328	14.678	15.028	15.378	15.728	16.032	16.196	16.216
EXISTING GROUND	16.426	11.923	16.050	18.730	11.650	8.494	6.406	6.183	6.075	6.235	

MINISTRY OF TRANSPORT VIETNAM

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Thai Engineering Consultants Co., Ltd.

REMARKS:

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

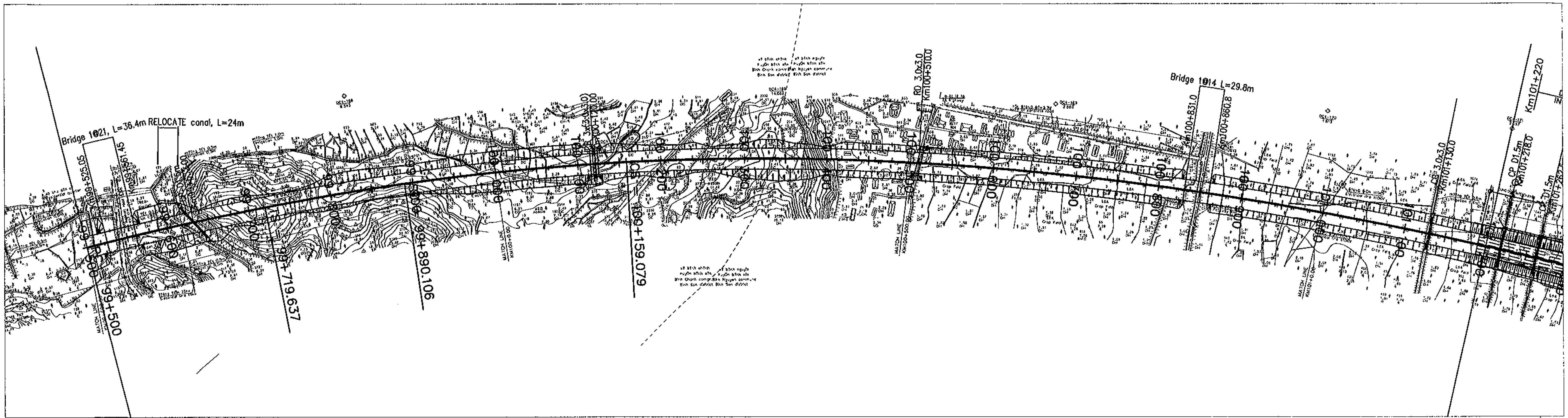
Package: A2 Station: Km81+150 - Km99+500

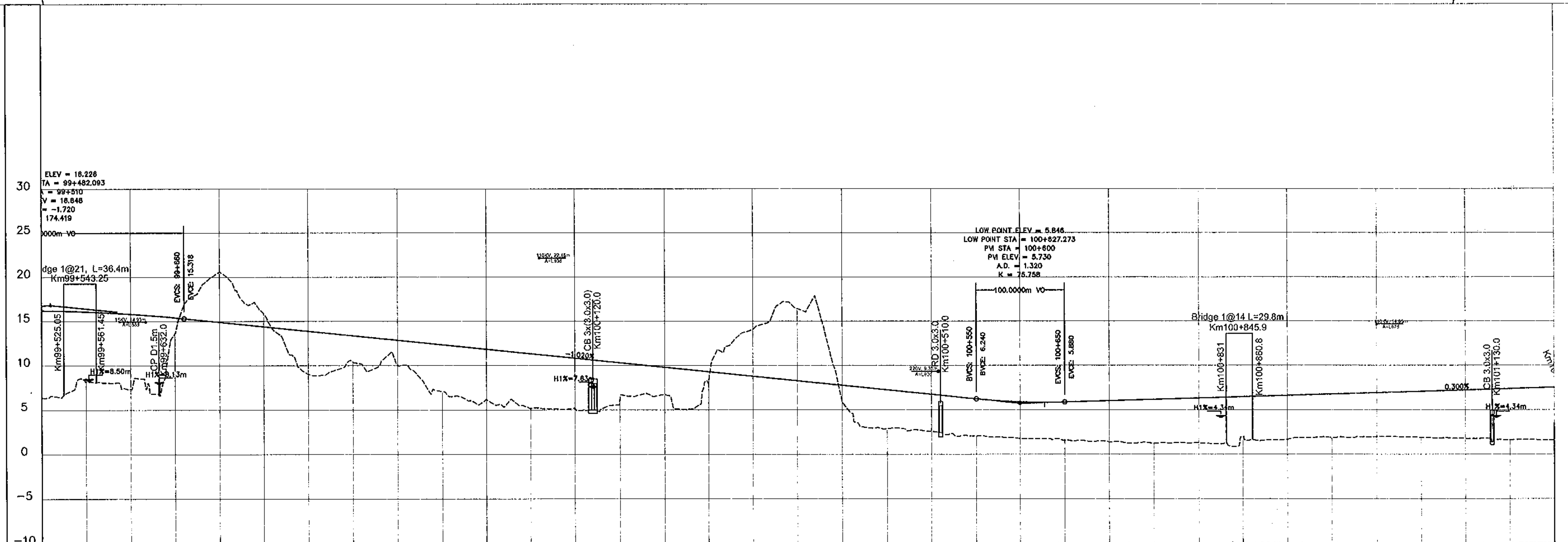
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	H. V. QUANG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	(signed)	(signed)	(signed)
DATE			

PLAN AND PROFILE: STA 81+150.00 -:- 99+500.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 81+150.00 -:- 99+500.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA2-BD-PP-110	2

D1-11. PACKAGE A3
D1-11. GÓI THẦU A3





FINISHED GRADE	16.216	16.093	15.827	15.417	14.910	14.400	13.890	13.380	12.870	12.360	11.850	11.340
EXISTING GROUND	6.372	8.189	7.341	13.616	20.606	15.847	9.047	10.410	10.064	7.086	6.135	5.196
STATION	99+500	99+550	99+600	99+650	99+700	99+750	99+800	99+850	99+900	99+950	100+000	100+050

FINISHED GRADE	10.830	10.320	9.810	9.300	8.790	8.280	7.770	7.260	6.750	6.240	5.895	5.880
EXISTING GROUND	5.177	6.171	6.736	8.279	14.101	16.405	5.916	2.882	2.565	2.055	1.771	1.596
STATION	100+100	100+150	100+200	100+250	100+300	100+350	100+400	100+450	100+500	100+550	100+600	100+650

FINISHED GRADE	6.030	6.180	6.330	6.480	6.630	6.780	6.930	7.080	7.230	7.380	7.530
EXISTING GROUND	1.372	1.259	1.321	1.943	1.689	1.899	2.016	1.899	1.799	1.633	1.599
STATION	100+700	100+750	100+800	100+850	100+900	100+950	101+000	101+050	101+100	101+150	101+200

MINISTRY OF TRANSPORT VIETNAM

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VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

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Thai Engineering Consultants Co., Ltd.

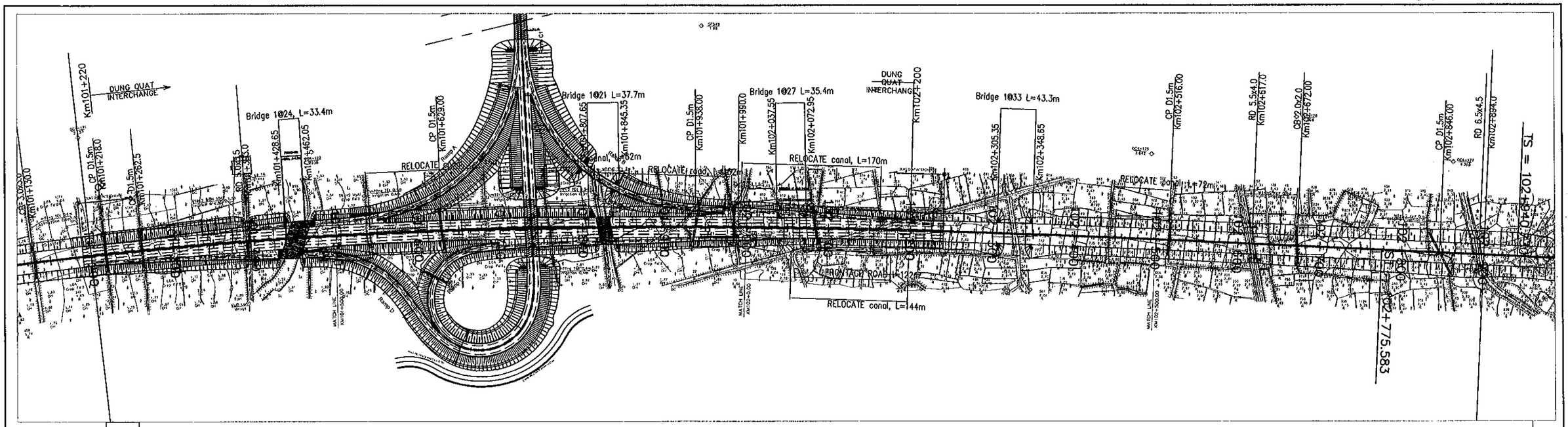
REMARKS:

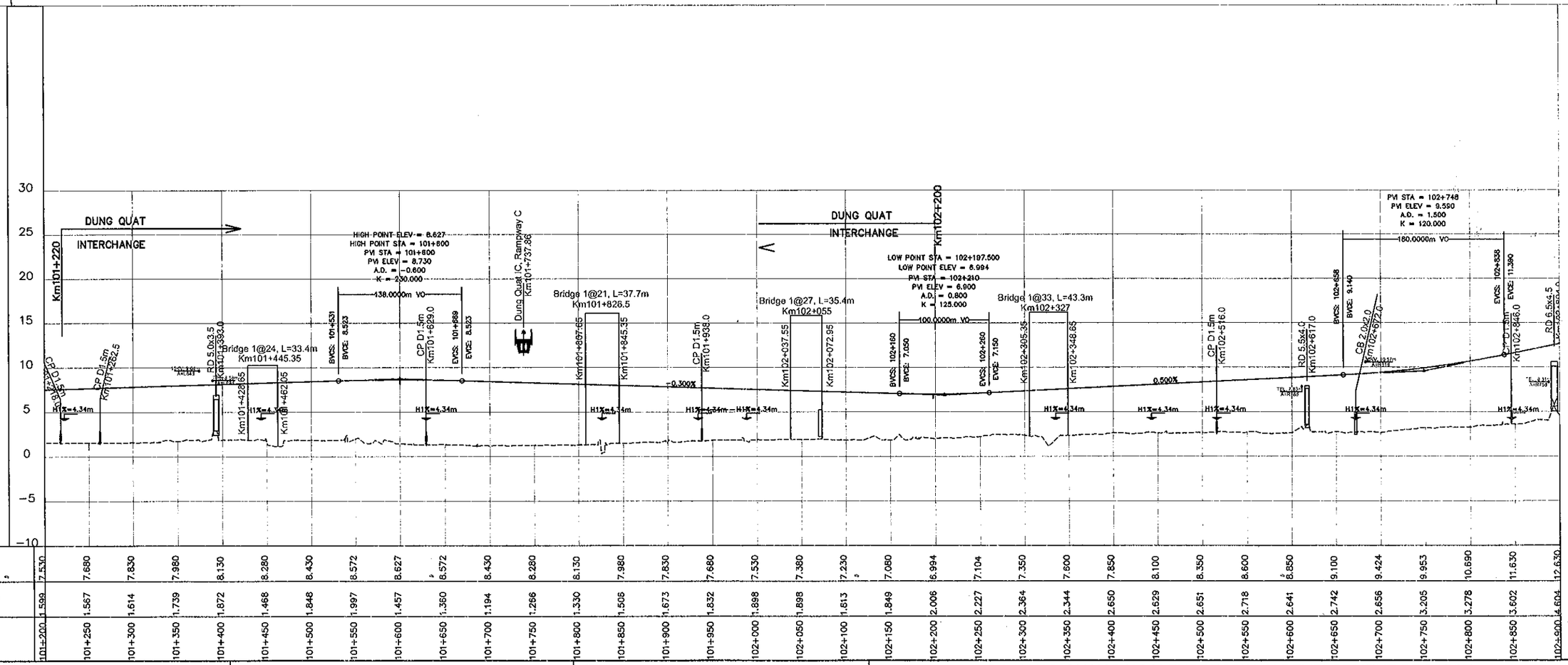
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A3 Station: Km99+500 - Km110+100

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HA PHUOC THUAN	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 99+500.00 -:- 110+100.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 99+500.00 -:- 110+100.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA3-BD-PP-010	2

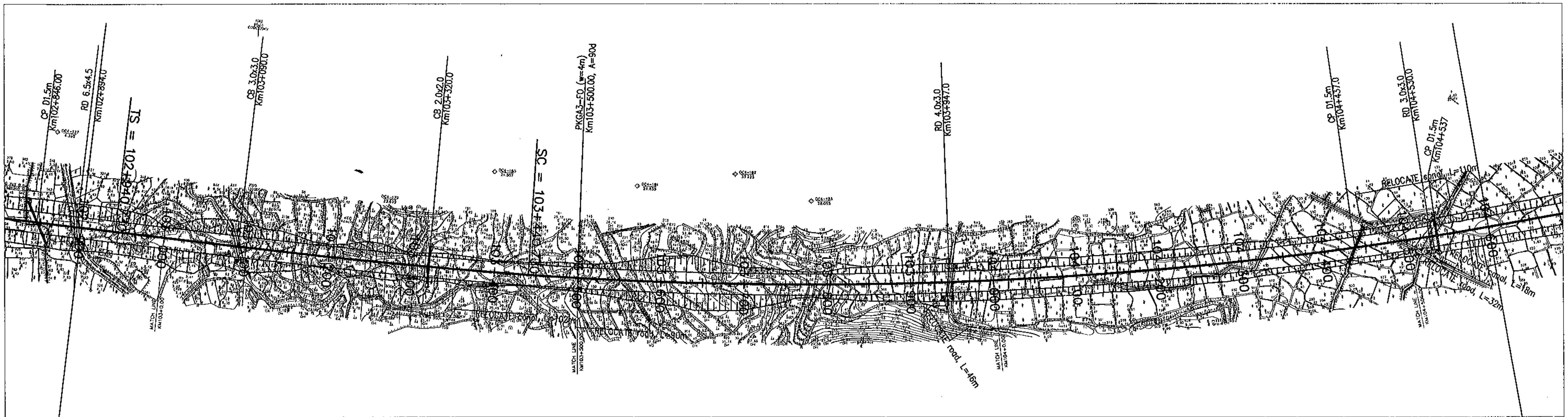


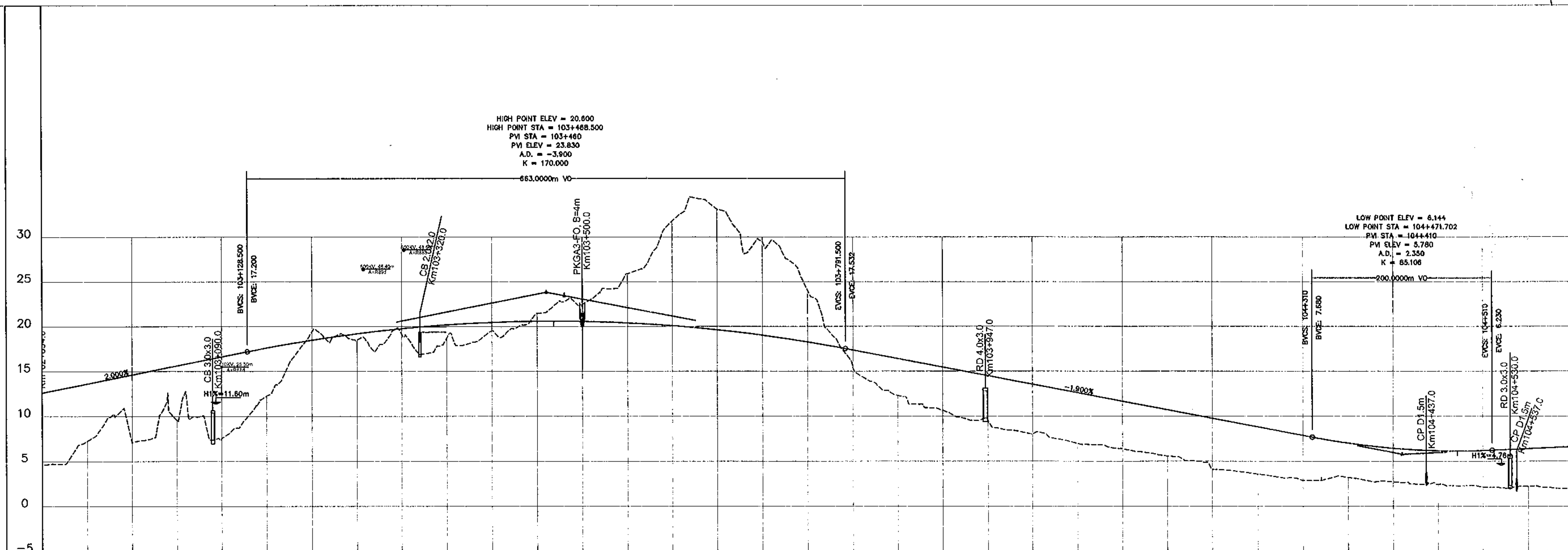


STATION	101+200	101+250	101+300	101+350	101+400	101+450	101+500	101+550	101+600	101+650	101+700	101+750	101+800	101+850	101+900	101+950	102+000	102+050	102+100	102+150	102+200	102+250	102+300	102+350	102+400	102+450	102+500	102+550	102+600	102+650	102+700	102+750	102+800	102+850	102+900
FINISHED GRADE	7.530	7.680	7.830	7.980	8.130	8.280	8.430	8.572	8.627	8.572	8.430	8.280	8.130	7.980	7.830	7.680	7.530	7.380	7.230	7.080	6.994	7.104	7.350	7.600	7.850	8.100	8.350	8.600	8.850	9.100	9.424	9.953	10.690	11.630	12.630
EXISTING GROUND	1.599	1.567	1.614	1.739	1.872	1.468	1.848	1.997	1.457	1.360	1.194	1.266	1.330	1.506	1.673	1.832	1.898	1.898	1.613	1.849	2.006	2.227	2.364	2.344	2.650	2.629	2.651	2.718	2.641	2.742	2.656	3.205	3.278	3.602	4.624

MINISTRY OF TRANSPORT VIETNAM	ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: A3 Station: Km99+500 - Km110+100
CLIENT: VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT CONSULTANT: PROJECT MANAGEMENT UNIT NO.85	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	PLAN AND PROFILE: STA 99+500.00 -:- 110+100.00 BÌNH ĐỒ VÀ TRẮC DỌC: STA 99+500.00 -:- 110+100.00

	PREPARED BY	CHECKED BY	APPROVED BY	SCALE	DRAWING NO.	REV. NO.
NAME	HA PHUOC THUAN	TAKAYASU NAGAI	I. ISHIMOTO	H:1/5,000 V:1/500	PKGA3-BD-PP-020	2
SIGNATURE						
DATE						





STATION	102+900	102+950	103+000	103+050	103+100	103+150	103+200	103+250	103+300
FINISHED GRADE	12.630	13.630	14.630	15.630	16.630	17.617	18.480	19.196	19.765
EXISTING GROUND	4.604	7.270	7.121	9.534	7.602	12.265	19.432	18.513	19.105

STATION	103+350	103+400	103+450	103+500	103+550	103+600	103+650	103+700	103+750
FINISHED GRADE	20.187	20.462	20.590	20.571	20.405	20.092	19.631	19.024	18.270
EXISTING GROUND	18.686	19.497	21.468	22.468	25.896	31.793	33.148	29.423	24.026

STATION	103+800	103+850	103+900	103+950	104+000	104+050	104+100	104+150	104+200
FINISHED GRADE	17.370	16.420	15.470	14.520	13.570	12.620	11.670	10.720	9.770
EXISTING GROUND	15.346	12.298	10.603	9.478	8.025	6.980	6.399	5.572	4.109

STATION	104+250	104+300	104+350	104+400	104+450	104+500	104+550	104+600
FINISHED GRADE	8.820	7.870	7.014	6.446	6.172	6.191	6.410	6.635
EXISTING GROUND	3.589	2.870	3.206	2.716	2.441	2.139	2.225	1.941

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

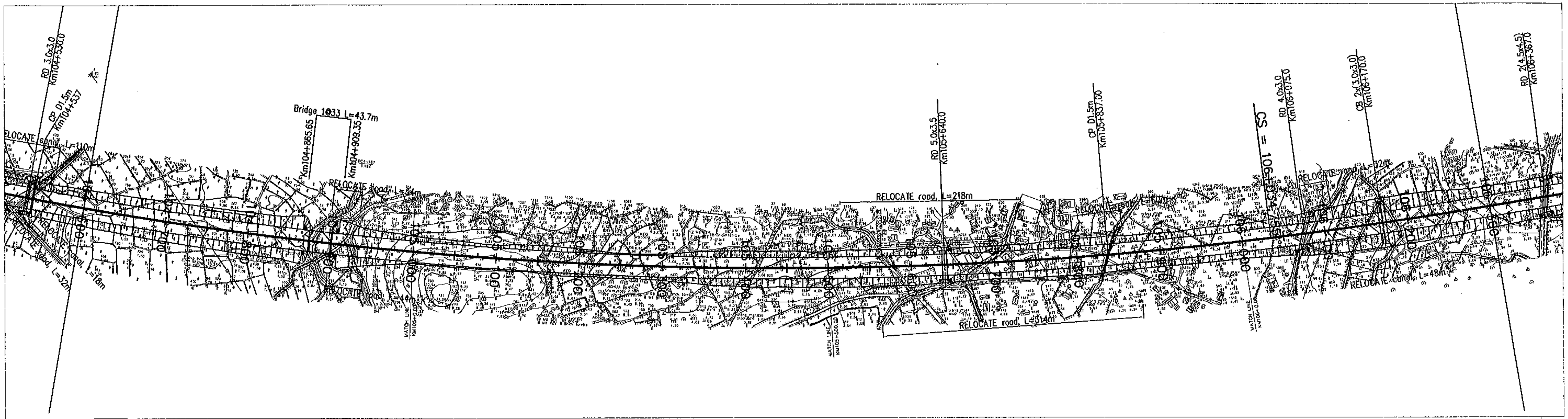
REMARKS:

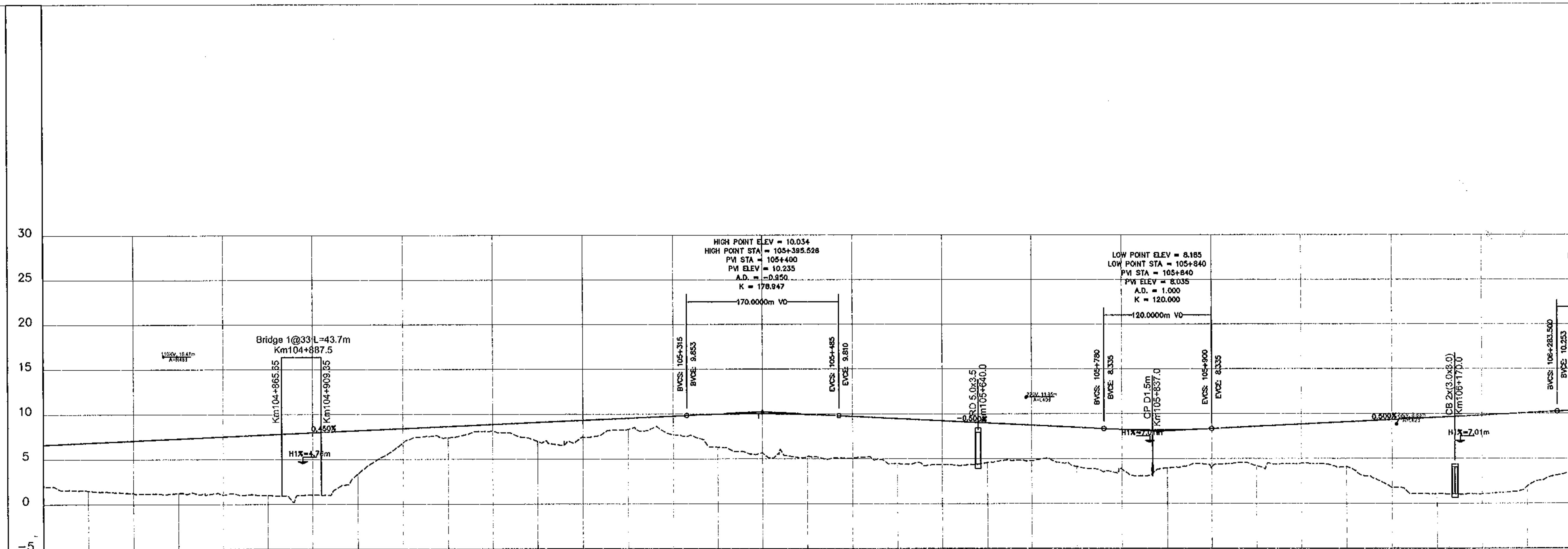
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A3 Station: Km99+500 - Km110+100

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HA PHUOC THUAN	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	(signed)	(signed)	(signed)
DATE			

PLAN AND PROFILE: STA 99+500.00 -:- 110+100.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 99+500.00 -:- 110+100.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA3-BD-PP-030	2





STATION	FINISHED GRADE	EXISTING GROUND
104+600	6.635	1.941
104+650	6.860	1.520
104+700	7.085	1.228
104+750	7.310	1.254
104+800	7.535	1.059
104+850	7.760	1.011
104+900	7.985	1.042
104+950	8.210	3.386
105+000	8.435	6.841
105+050	8.660	7.405
105+100	8.885	8.147
105+150	9.110	6.976
105+200	9.335	7.401
105+250	9.560	8.305
105+300	9.785	7.690
105+350	9.976	6.300
105+400	10.033	5.642
105+450	9.951	5.278
105+500	9.735	5.084
105+550	9.485	4.485
105+600	9.235	4.380
105+650	8.985	4.572
105+700	8.735	4.781
105+750	8.485	4.131
105+800	8.252	3.841
105+850	8.189	3.962
105+900	8.335	4.016
105+950	8.585	4.199
106+000	8.835	4.475
106+050	9.085	4.091
106+100	9.335	1.771
106+150	9.585	1.080
106+200	9.835	1.057
106+250	10.085	1.912
106+300	10.327	3.901

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

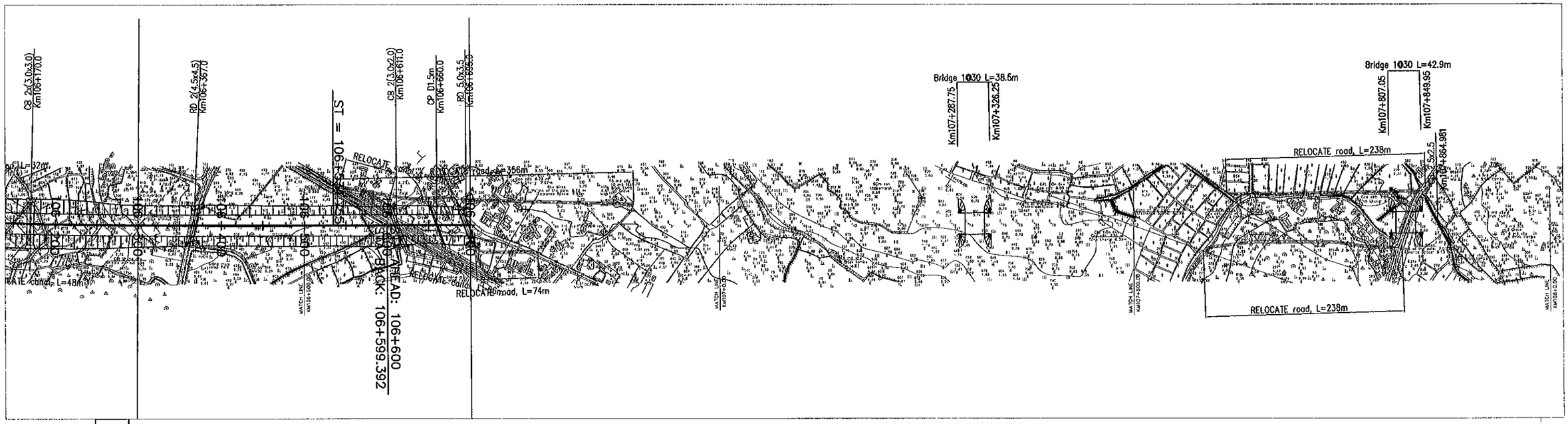
REMARKS:

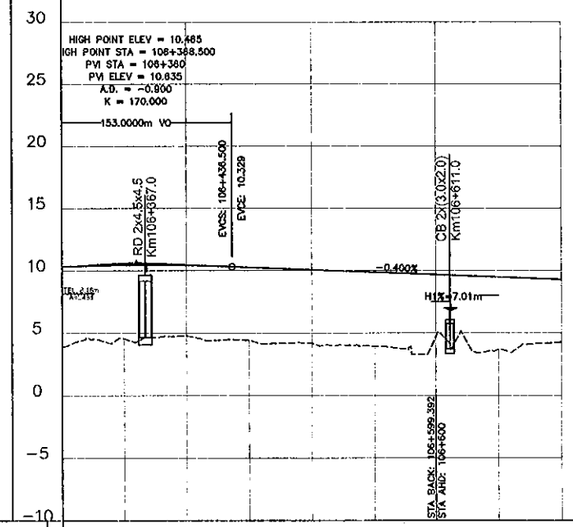
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A3 Station: Km99+500 - Km110+100

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HA PHUOC THUAN	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 99+500.00 -:- 110+100.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 99+500.00 -:- 110+100.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA3-BD-PP-040	2





FINISHED GRADE	10.322	10.455	10.436	10.275	10.075	9.875	9.675	9.475	
EXISTING GROUND	3.901	4.550	4.783	4.418	4.179	3.952	4.846	3.697	
STATION	106+300	106+350	106+400	106+450	106+500	106+550	106+601	106+651	106+700

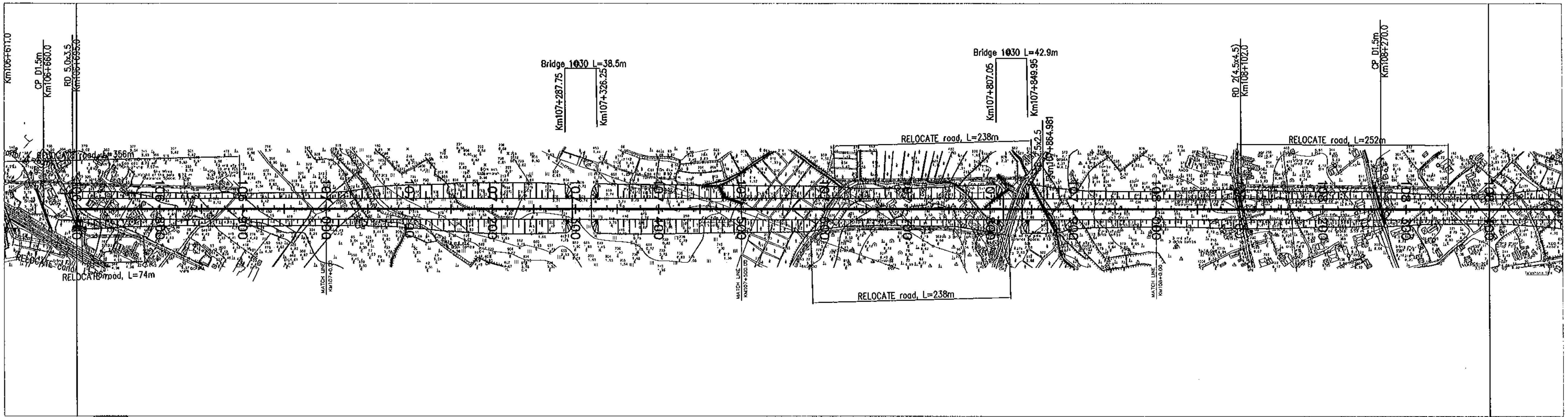
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

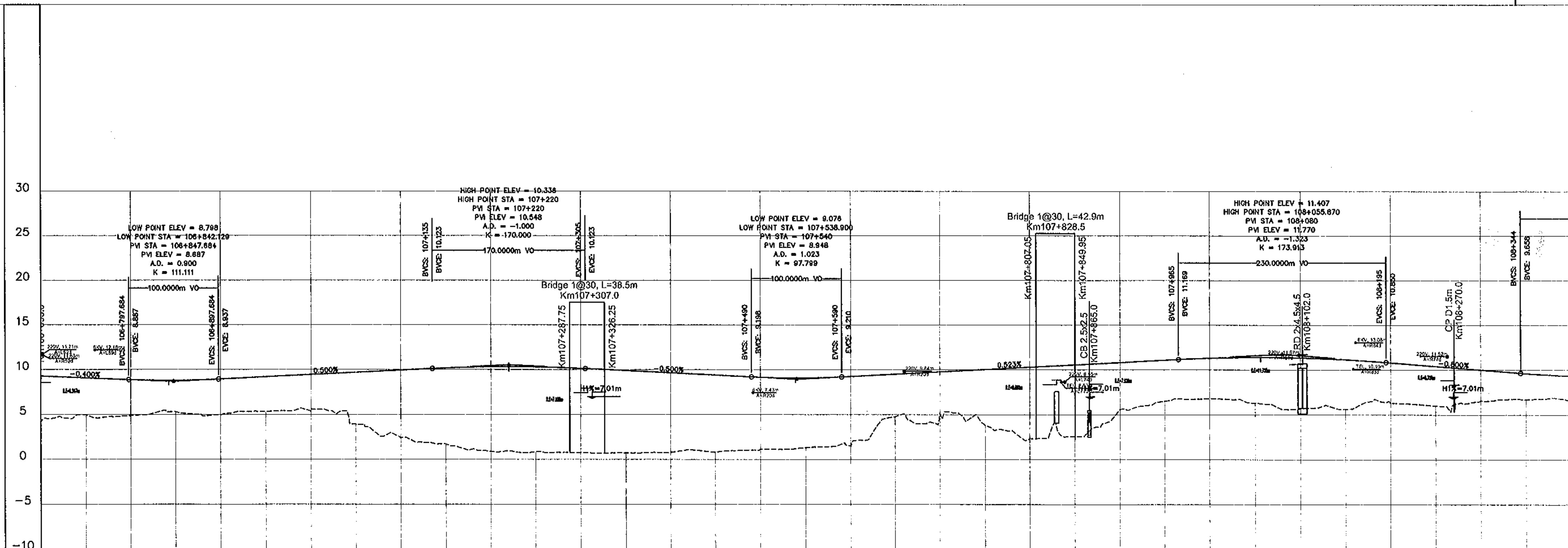
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A3 Station: Km99+500 - Km110+100

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HA PHUOC THUAN	TAKAYASU NAGAI	I.ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 99+500.00 -:- 110+100.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 99+500.00 -:- 110+100.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA3-BD-PP-050	2





STATION	FINISHED GRADE	EXISTING GROUND
106+700	9.278	4.270
106+750	9.078	4.939
106+800	8.876	4.890
106+850	8.801	5.279
106+900	8.948	4.940
106+950	9.198	5.334
107+000	9.448	5.639
107+050	9.698	3.906
107+100	9.948	2.440
107+150	10.192	1.695
107+200	10.324	0.890
107+250	10.310	0.858
107+300	10.148	0.790
107+350	9.898	0.726
107+400	9.648	0.780
107+450	9.398	0.825
107+500	9.154	1.130
107+550	9.083	1.312
107+600	9.262	1.500
107+650	9.523	4.775
107+700	9.784	5.109
107+750	10.046	3.788
107+800	10.307	2.330
107+850	10.568	2.570
107+900	10.829	5.600
107+950	11.091	6.516
108+000	11.317	6.810
108+050	11.406	6.295
108+100	11.351	5.720
108+150	11.152	5.639
108+200	10.810	6.300
108+250	10.410	6.009
108+300	10.010	6.590
108+350	9.612	6.715
108+400	9.341	6.450

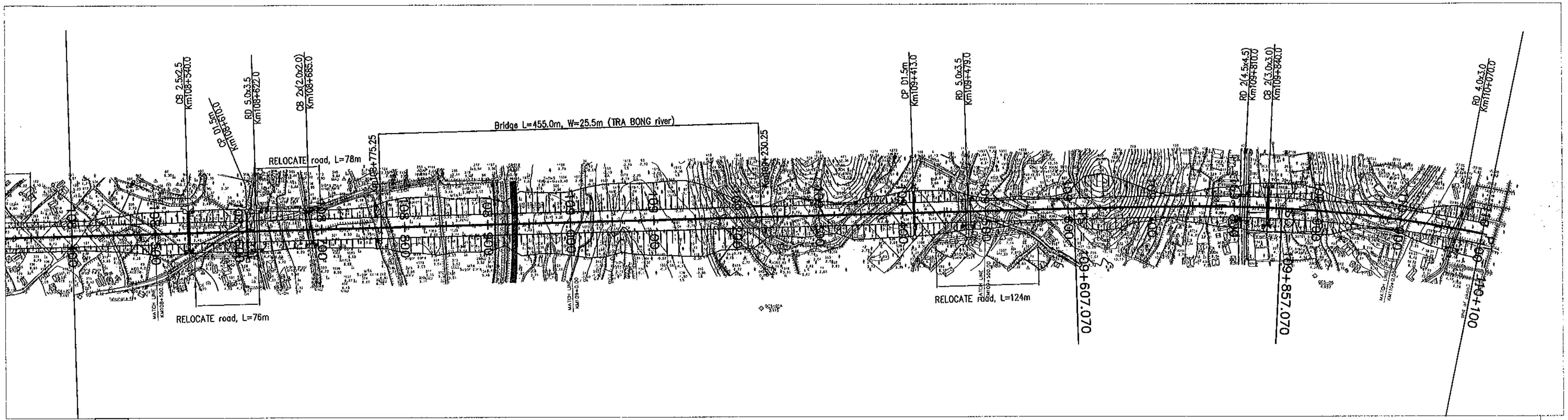
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

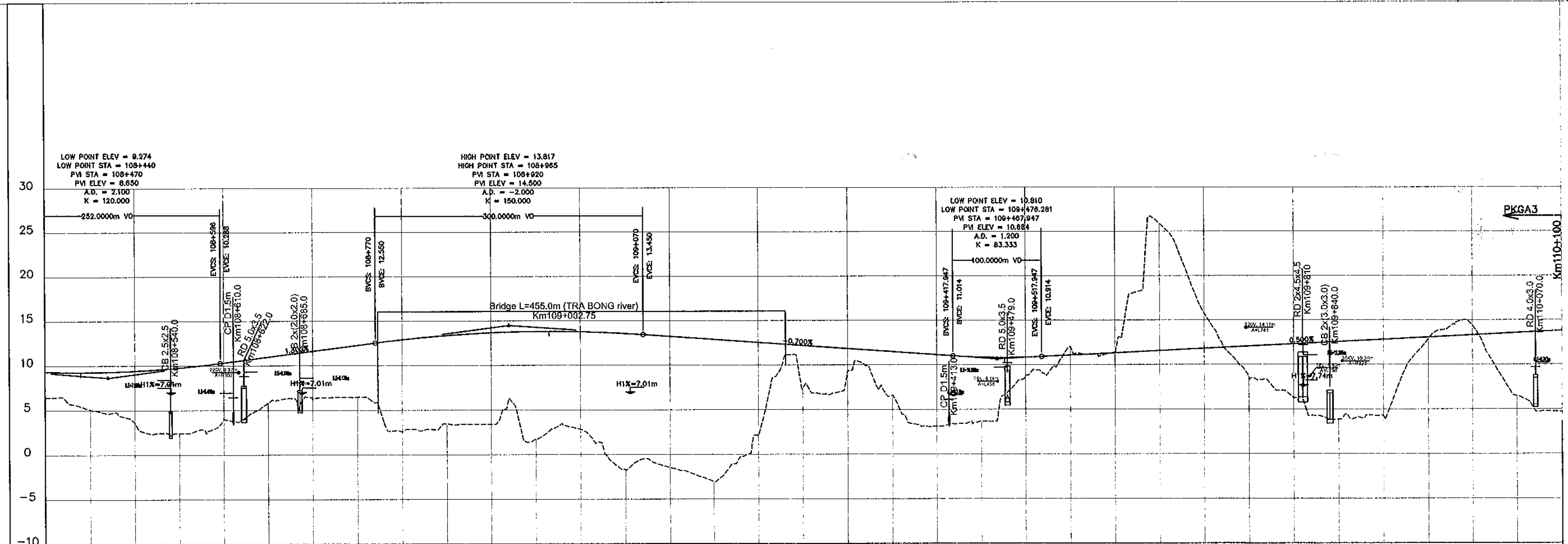
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A3 Station: Km99+500 - Km110+100

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HA PHUOC THUAN	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 99+500.00 -:- 110+100.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 99+500.00 -:- 110+100.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA3-BD-PP-060	2





STATION	108+400	108+450	108+500	108+550	108+600	108+650	108+700	108+750	108+800	108+850	108+900	108+950
FINISHED GRADE	9.341	9.278	9.424	9.778	10.340	10.990	11.640	12.290	12.910	13.377	13.677	13.810
EXISTING GROUND	6.450	5.081	3.610	2.420	3.990	5.789	6.224	6.485	2.590	3.440	3.380	1.705

STATION	109+000	109+050	109+100	109+150	109+200	109+250	109+300	109+350	109+400	109+450	109+500	109+550
FINISHED GRADE	13.777	13.577	13.240	12.890	12.540	12.190	11.840	11.490	11.140	10.852	10.844	11.075
EXISTING GROUND	2.840	−1.686	−1.460	−3.005	2.100	7.447	9.369	6.572	3.120	3.671	8.800	12.005

STATION	109+600	109+650	109+700	109+750	109+800	109+850	109+900	109+950	110+000	110+050	110+100
FINISHED GRADE	11.325	11.575	11.825	12.075	12.325	12.575	12.825	13.075	13.325	13.575	13.825
EXISTING GROUND	11.310	25.887	15.761	8.567	6.259	3.855	4.220	12.850	14.396	6.469	4.716

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

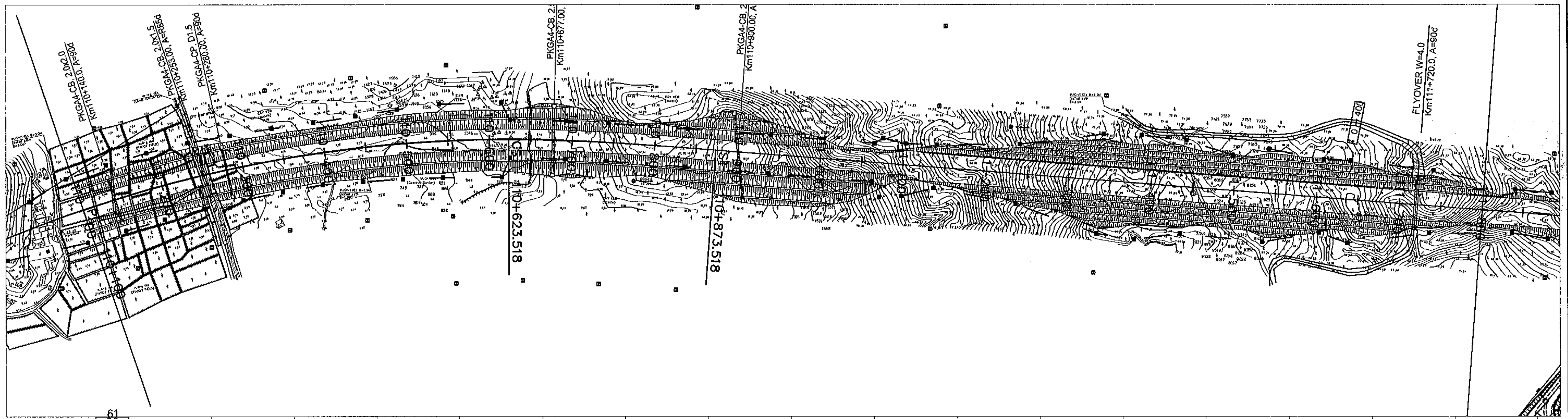
Package: A3 Station: Km99+500 - Km110+100

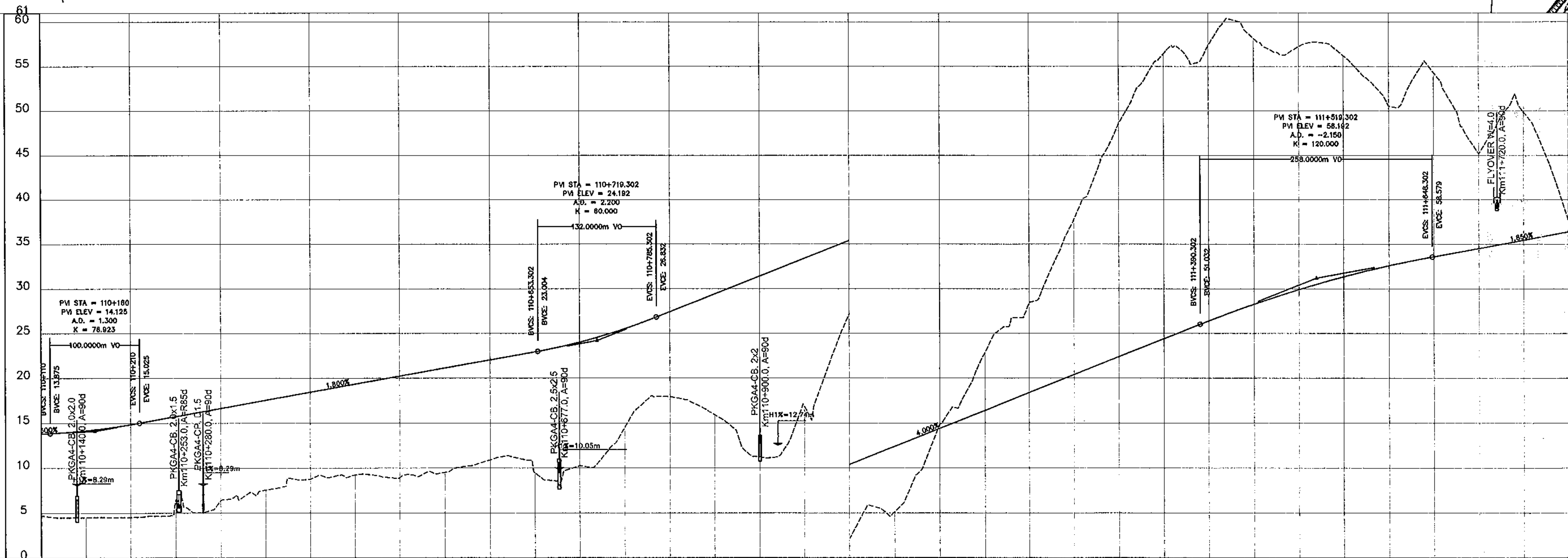
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HA PHUOC THUAN	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 99+500.00 -:- 110+100.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 99+500.00 -:- 110+100.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA3-BD-PP-070	2

D1-12. PACKAGE A4
D1-12. GÓI THẦU A4





FINISHED GRADE	13.825	14.179	14.851	15.745	16.645	17.545	18.445	19.345	20.245	21.145	22.045	22.945
EXISTING GROUND	4.720	4.520	4.542	6.500	6.449	7.560	8.754	9.228	8.941	9.534	10.913	9.460
STATION	110+100	110+150	110+200	110+250	110+300	110+350	110+400	110+450	110+500	110+550	110+600	110+650

FINISHED GRADE	24.026	25.524	27.420	29.420	31.420	33.420	35.420	37.420	39.420	41.420	43.420
EXISTING GROUND	10.259	14.535	17.948	15.932	11.260	16.857	27.170	30.157	39.880	47.911	53.500
STATION	110+700	110+750	110+800	110+850	110+900	110+950	111+000	111+050	111+100	111+150	111+200

FINISHED GRADE	45.420	47.420	49.420	51.416	53.272	54.919	56.357	57.588	58.610	59.535	60.460	61.385
EXISTING GROUND	62.794	73.630	81.455	82.400	83.156	82.270	81.204	75.560	79.325	70.190	74.883	62.690
STATION	111+250	111+300	111+350	111+400	111+450	111+500	111+550	111+600	111+650	111+700	111+750	111+800

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

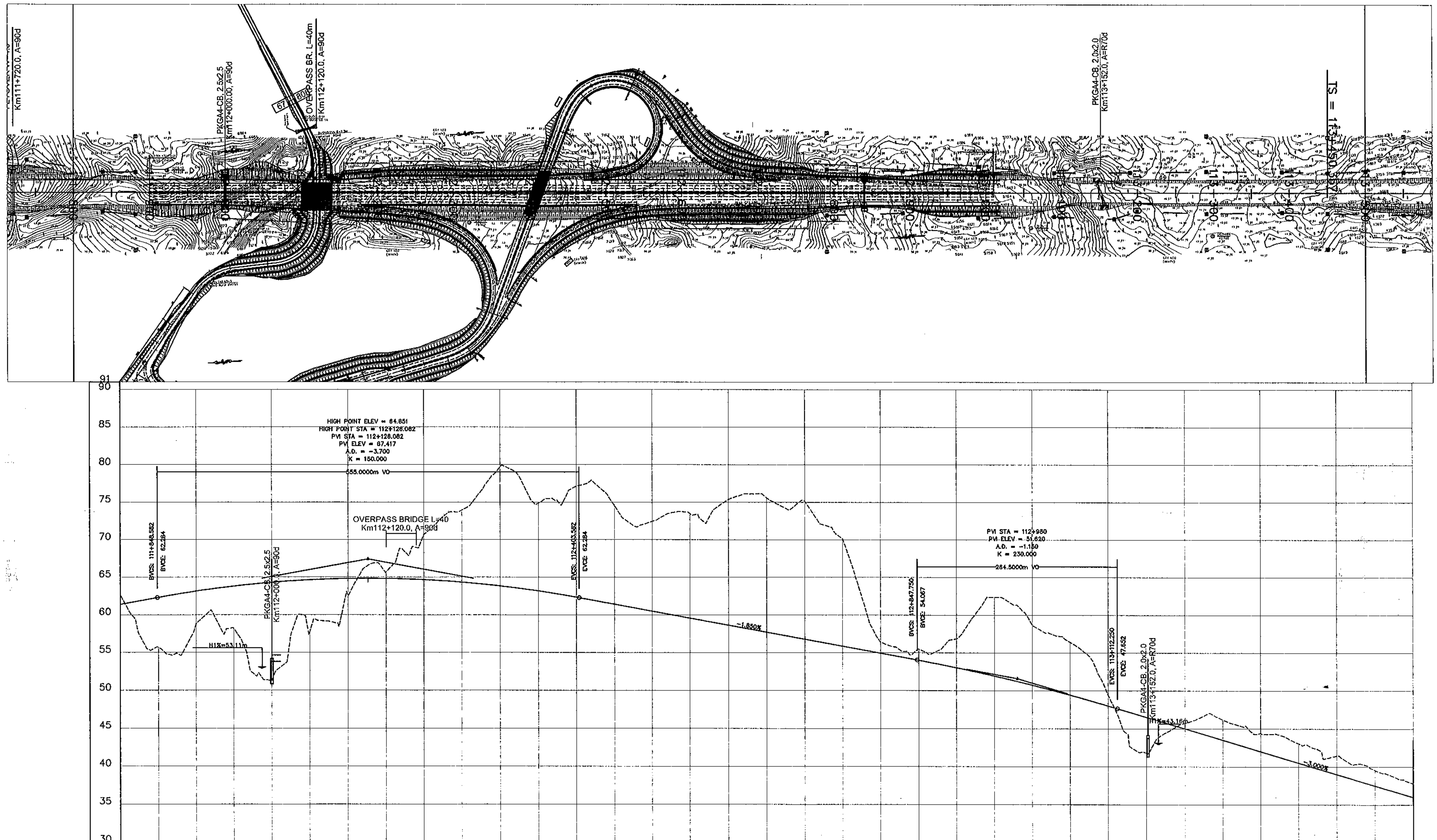
REMARKS:

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HA PHUOC THUAN	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 110+100.00 -:- 124+700.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 110+100.00 -:- 124+700.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA4-BD-PP-010	2



FINISHED GRADE	61.385	62.310	63.147	63.817	64.321	64.658	64.828	64.832	64.668	64.339	63.842	63.179
EXISTING GROUND	62.690	55.663	58.840	58.193	51.310	57.770	62.530	65.704	70.710	73.945	79.710	74.882
STATION	111+800	111+850	111+900	111+950	112+000	112+050	112+100	112+150	112+200	112+250	112+300	112+350

FINISHED GRADE	62.350	61.425	60.500	59.575	58.650	57.725	56.800	55.875	54.950	54.025	53.041	51.948
EXISTING GROUND	77.140	74.568	72.450	73.495	75.390	75.600	75.160	70.154	56.390	55.476	56.870	62.361
STATION	112+400	112+450	112+500	112+550	112+600	112+650	112+700	112+750	112+800	112+850	112+900	112+950

FINISHED GRADE	50.746	49.436	48.017	46.520	45.020	43.520	42.020	40.520	39.020	37.520	36.020
EXISTING GROUND	58.660	56.408	49.450	41.825	45.730	46.190	44.430	43.066	41.450	39.553	37.799
STATION	113+000	113+050	113+100	113+150	113+200	113+250	113+300	113+350	113+400	113+450	113+500

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

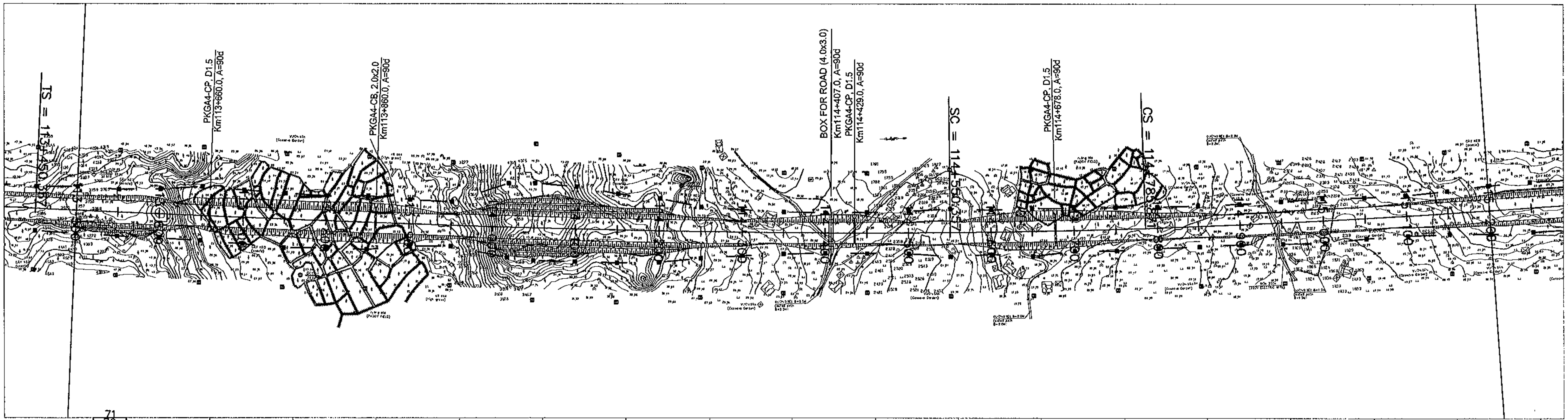
REMARKS:

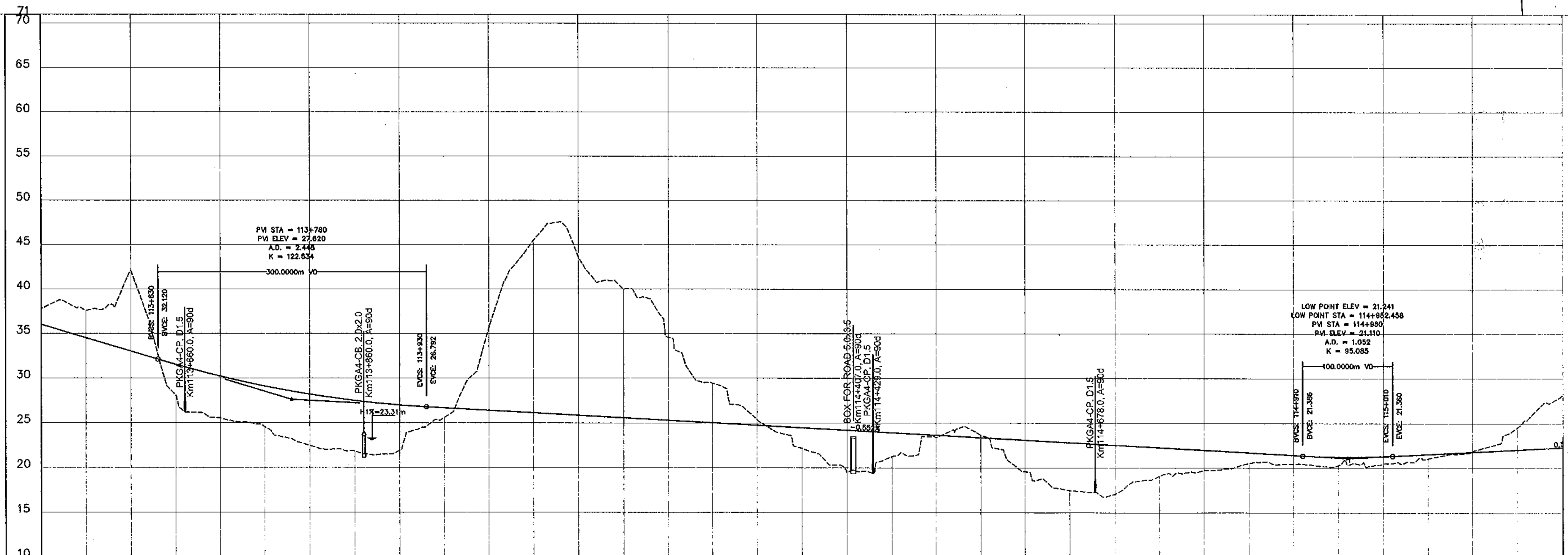
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HA PHUOC THUAN	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 110+100.00 -:- 124+700.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 110+100.00 -:- 124+700.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA4-BD-PP-020	2





STATION	FINISHED GRADE	EXISTING GROUND
113+500	36.020	37.799
113+550	34.520	37.597
113+600	33.020	42.074
113+650	31.536	28.061
113+700	30.220	25.568
113+750	29.108	24.556
113+800	28.199	22.477
113+850	27.495	21.861
113+900	26.995	21.953
113+950	26.682	25.609
114+000	26.406	35.656
114+050	26.130	45.496
114+100	25.855	43.572
114+150	25.579	40.037
114+200	25.303	34.594
114+250	25.027	29.449
114+300	24.751	25.316
114+350	24.475	22.199
114+400	24.199	19.524
114+450	23.924	21.264
114+500	23.648	23.411
114+550	23.372	23.651
114+600	23.096	19.595
114+650	22.820	17.508
114+700	22.544	17.091
114+750	22.269	19.101
114+800	21.993	19.735
114+850	21.717	20.527
114+900	21.441	20.446
114+950	21.249	20.327
115+000	21.315	20.508
115+050	21.560	21.079
115+100	21.810	21.766
115+150	22.060	24.533
115+200	22.310	28.145

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

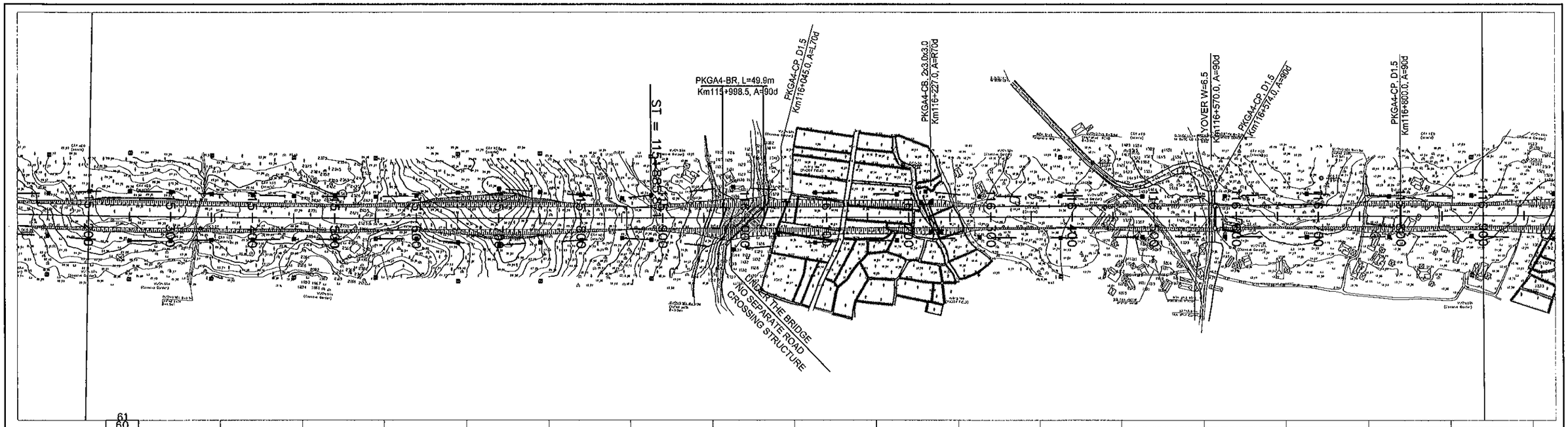
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

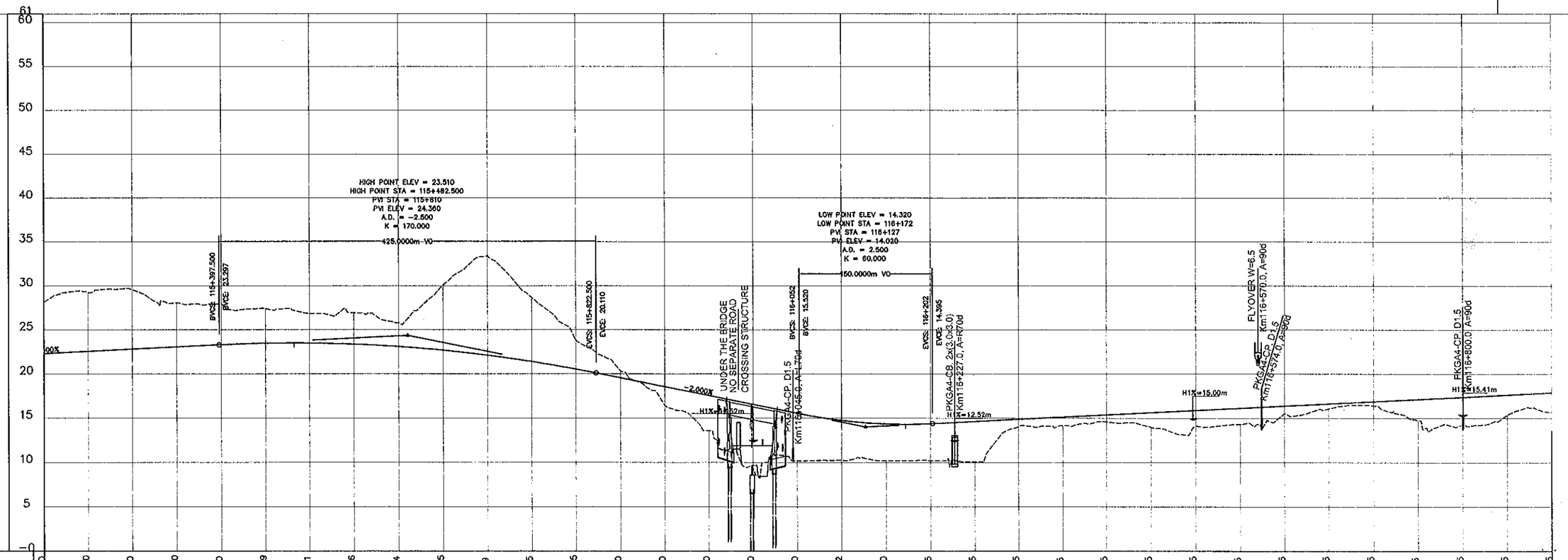
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HA PHUOC THUAN	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 110+100.00 -:- 124+700.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 110+100.00 -:- 124+700.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA4-BD-PP-030	2

000140

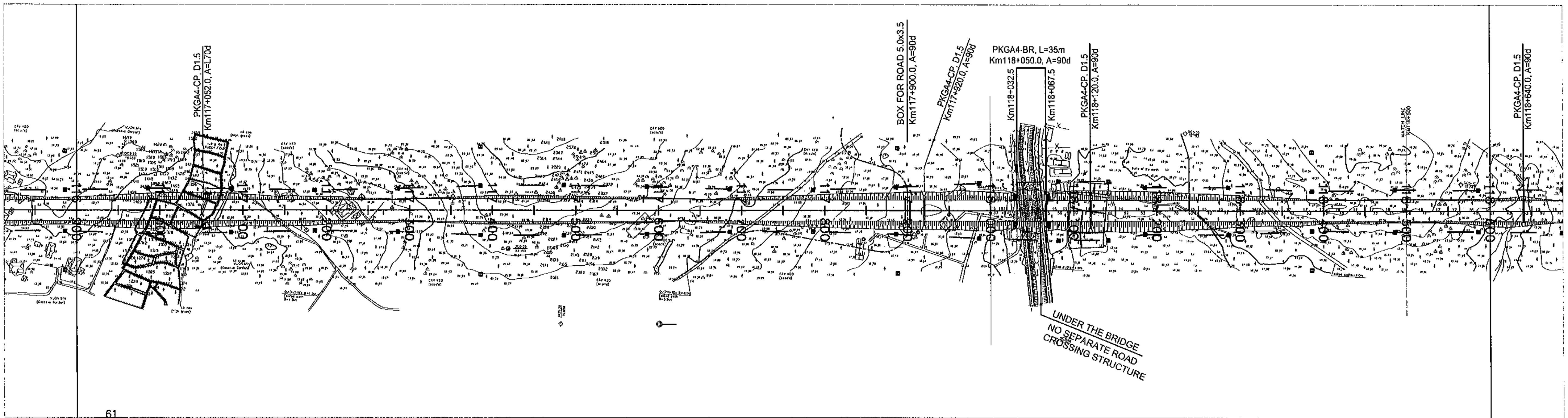


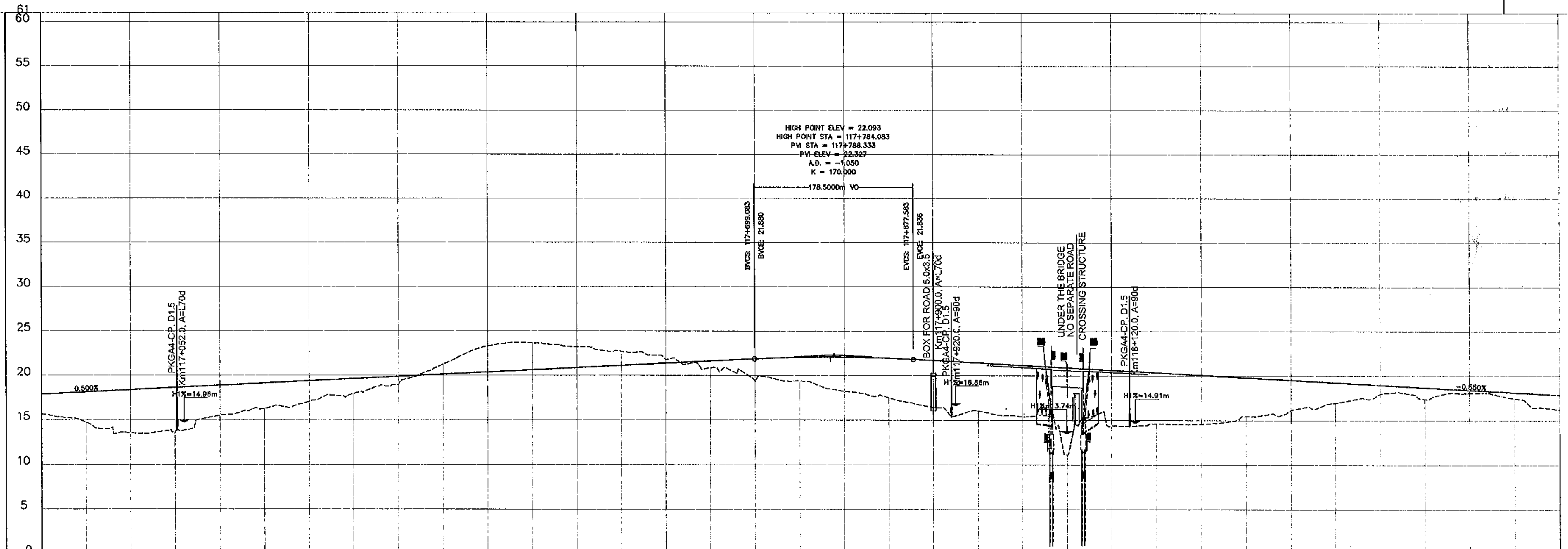


STATION	115+200	115+250	115+300	115+350	115+400	115+450	115+500	115+550	115+600	115+650	115+700	115+750	115+800	115+850	115+900	115+950	116+000	116+050	116+100	116+150	116+200	116+250	116+300	116+350	116+400	116+450	116+500	116+550	116+600	116+650	116+700	116+750	116+800	116+850	116+900
EXISTING GROUND	28.145	29.267	29.528	28.041	27.940	27.399	26.849	26.921	25.792	30.066	33.376	28.656	23.790	20.340	16.430	13.588	9.260	10.170	10.280	10.195	10.190	10.086	14.020	14.159	14.590	13.977	14.100	14.315	15.550	16.077	16.400	14.772	14.290	15.369	15.660
FINISHED GRADE	22.310	22.560	22.810	23.060	23.310	23.479	23.501	23.376	23.104	22.685	22.119	21.405	20.545	19.560	18.560	17.560	16.560	15.560	14.752	14.360	14.385	14.635	14.885	15.135	15.385	15.635	15.885	16.135	16.385	16.635	16.885	17.135	17.385	17.635	17.885

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: A4 Station: Km110+100 - Km124+700
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.		
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN AND PROFILE: STA 110+100.00 -:- 124+700.00 BÌNH ĐỒ VÀ TRẮC DỌC: STA 110+100.00 -:- 124+700.00		
NAME	HA PHUOC THUAN	TAKAYASU NAGAI	I. ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				H:1/5,000 V:1/500	PKGA4-BD-PP-040	2





FINISHED GRADE	17.885	18.135	18.385	18.635	18.885	19.135	19.385	19.635	19.885	20.135	20.385	20.635
EXISTING GROUND	15.660	14.738	13.520	13.738	15.530	16.278	17.050	17.961	18.960	21.247	23.300	23.661
STATION	116+900	116+950	117+000	117+050	117+100	117+150	117+200	117+250	117+300	117+350	117+400	117+450

FINISHED GRADE	20.885	21.135	21.385	21.635	21.885	22.059	22.085	21.965	21.712	21.437	21.162	20.887
EXISTING GROUND	23.210	22.720	21.780	20.864	19.350	19.389	18.230	17.522	16.440	16.022	15.390	11.166
STATION	117+500	117+550	117+600	117+650	117+700	117+750	117+800	117+850	117+900	117+950	118+000	118+050

FINISHED GRADE	20.612	20.337	20.062	19.787	19.512	19.237	18.962	18.687	18.412	18.137	17.862
EXISTING GROUND	14.400	14.584	14.560	15.434	16.150	16.970	17.990	17.373	18.080	17.470	16.210
STATION	118+100	118+150	118+200	118+250	118+300	118+350	118+400	118+450	118+500	118+550	118+600

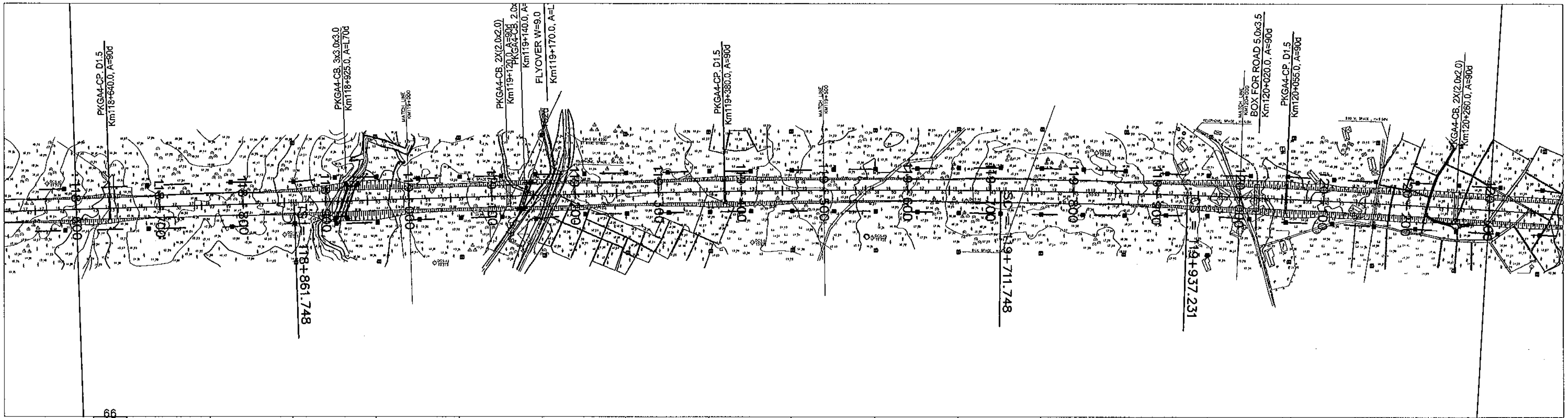
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

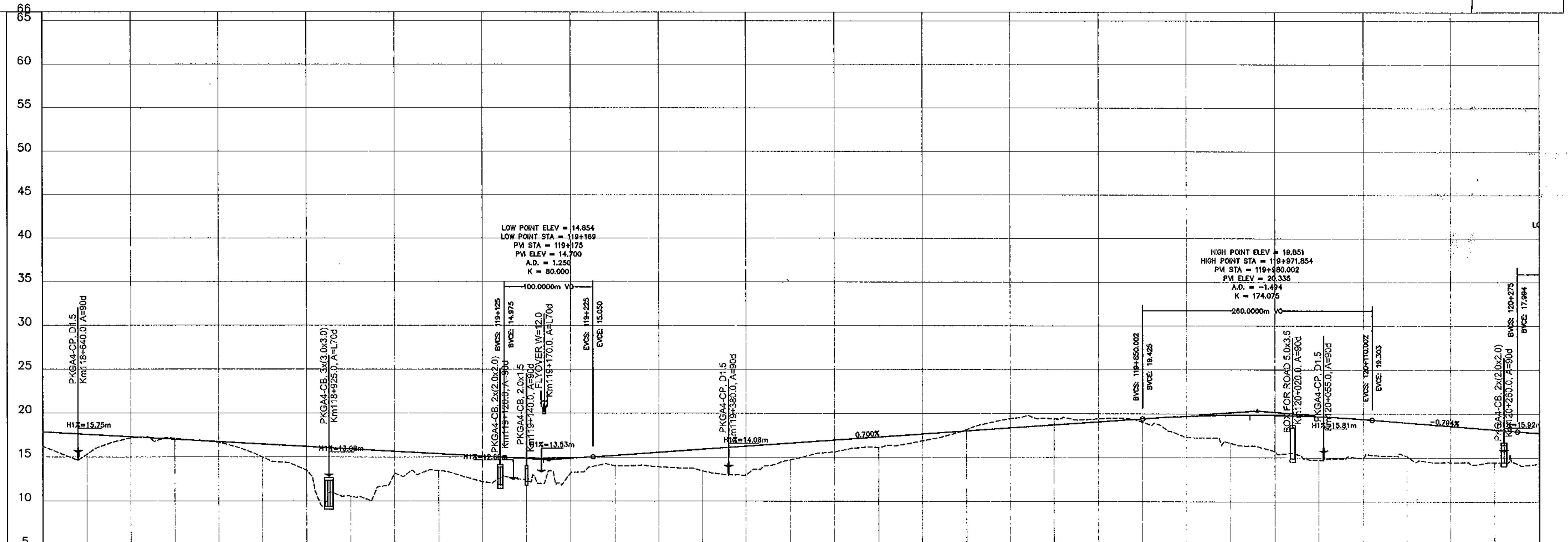
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HA PHUOC THUAN	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	(signed)	(signed)	(signed)
DATE			

PLAN AND PROFILE: STA 110+100.00 -:- 124+700.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 110+100.00 -:- 124+700.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA4-BD-PP-050	2





STATION	FINISHED GRADE	EXISTING GROUND
118+600	17.862	16.210
118+650	17.587	15.310
118+700	17.312	17.180
118+750	17.037	17.110
118+800	16.762	16.680
118+850	16.487	15.010
118+900	16.212	13.510
118+950	15.937	10.549
119+000	15.662	13.179
119+050	15.387	13.470
119+100	15.112	12.213
119+150	14.877	12.812
119+200	14.914	13.247
119+250	15.225	14.050
119+300	15.575	13.929
119+350	15.925	13.472
119+400	16.275	12.961
119+450	16.625	14.723
119+500	16.975	15.618
119+550	17.325	16.117
119+600	17.675	16.898
119+650	18.025	18.179
119+700	18.375	19.430
119+750	18.725	19.394
119+800	19.075	19.447
119+850	19.425	19.027
119+900	19.703	17.295
119+950	19.838	16.644
120+000	19.829	15.742
120+050	19.676	14.742
120+100	19.380	14.902
120+150	18.986	15.163
120+200	18.589	14.470
120+250	18.192	14.478
120+300	17.821	14.318

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

REMARKS:

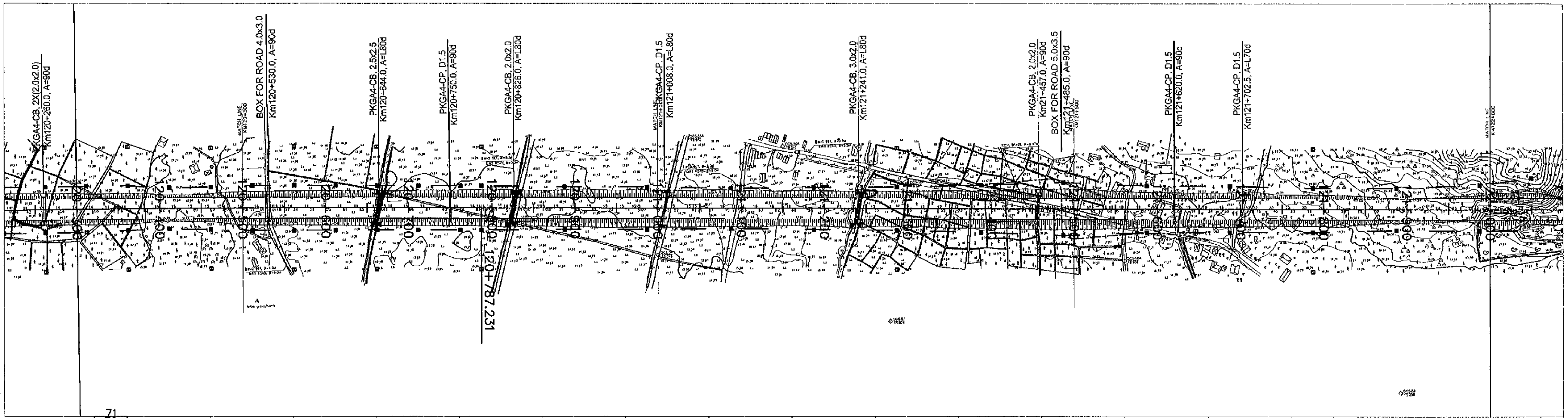
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

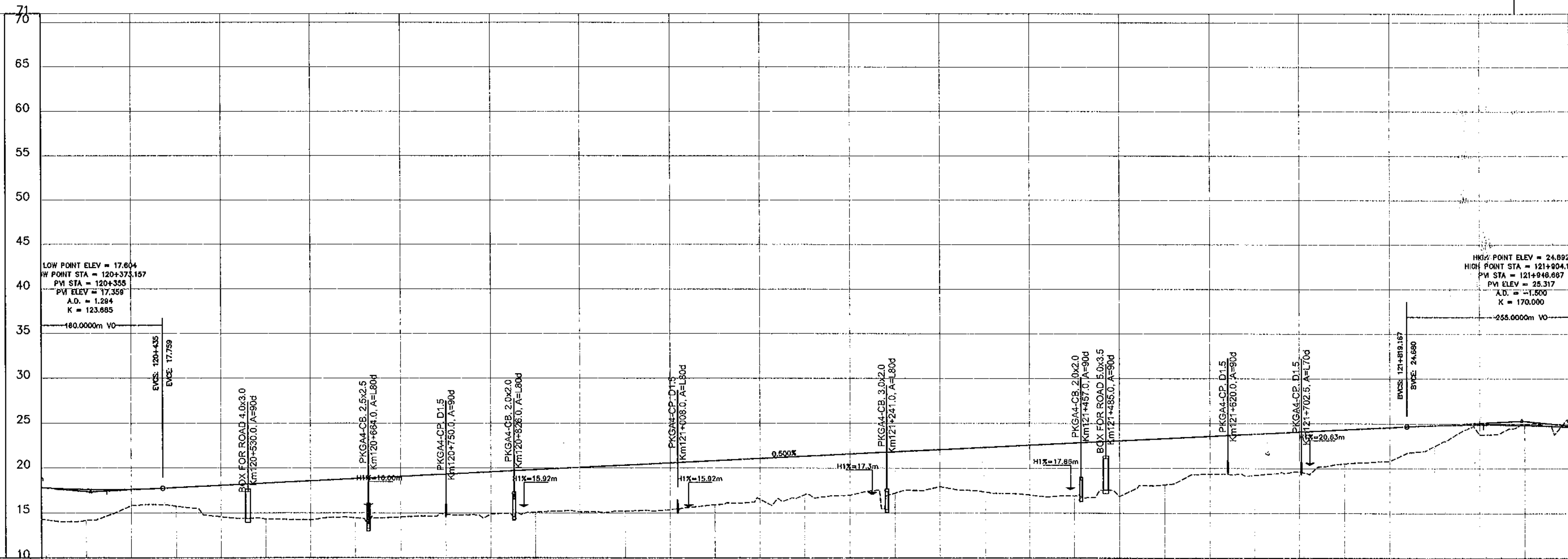
Package: A4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HA PHUOC THUAN	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 110+100.00 -:- 124+700.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 110+100.00 -:- 124+700.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA4-BD-PP-060	2





STATION	FINISHED GRADE	EXISTING GROUND
120+300	17.821	14.318
120+350	17.626	14.180
120+400	17.634	15.823
120+450	17.834	15.754
120+500	18.084	14.576
120+550	18.334	14.320
120+600	18.584	14.251
120+650	18.834	14.459
120+700	19.084	14.560
120+750	19.334	14.875
120+800	19.584	14.890
120+850	19.834	15.105
120+900	20.084	15.130
120+950	20.334	15.200
121+000	20.584	15.380
121+050	20.834	15.932
121+100	21.084	16.530
121+150	21.334	17.048
121+200	21.584	16.990
121+250	21.834	17.229
121+300	22.084	17.960
121+350	22.334	17.375
121+400	22.584	17.040
121+450	22.834	16.945
121+500	23.084	16.890
121+550	23.334	18.182
121+600	23.584	19.350
121+650	23.834	19.240
121+700	24.084	19.650
121+750	24.334	20.540
121+800	24.584	20.830
121+850	24.806	22.490
121+900	24.892	23.780
121+950	24.831	24.870
122+000	24.622	24.240

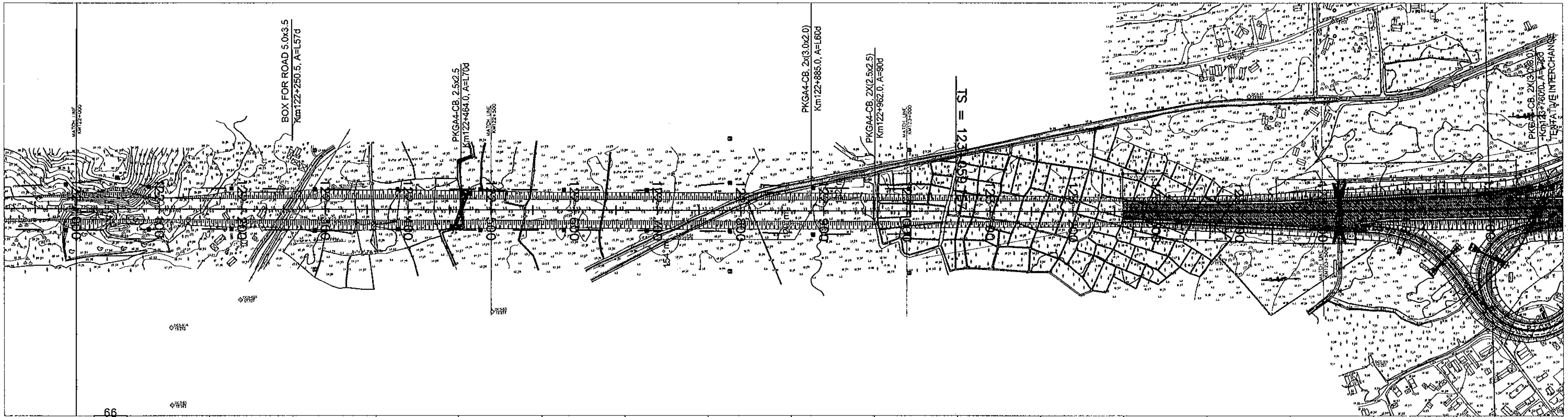
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

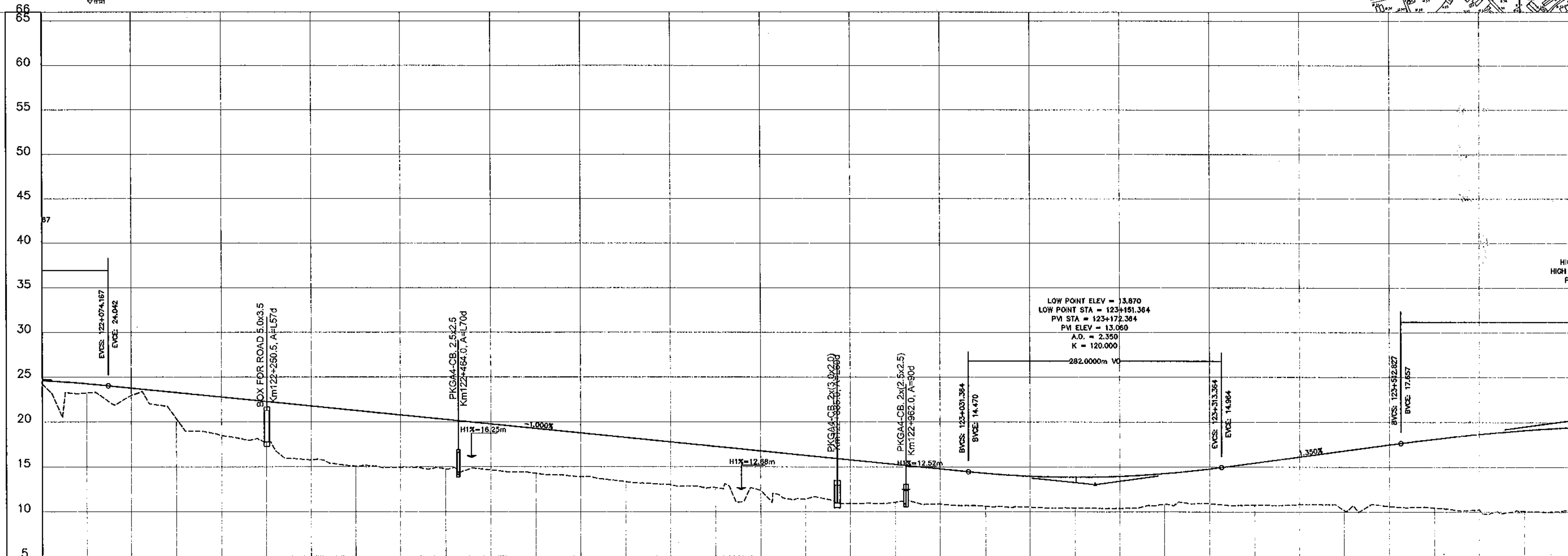
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HA PHUOC THUAN	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 110+100.00 -:- 124+700.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 110+100.00 -:- 124+700.00

SCALE	DRAWING NO.	REV NO.
H:1/5,000 V:1/500	PKGA4-BD-PP-070	2





STATION	122+000	122+050	122+100	122+150	122+200	122+250	122+300	122+350	122+400	122+450	122+500	122+550
FINISHED GRADE	24.622	24.267	23.784	23.284	22.784	22.284	21.784	21.284	20.784	20.284	19.784	19.284
EXISTING GROUND	24.240	23.230	22.960	20.350	18.480	17.761	15.760	15.092	14.930	14.784	14.660	14.285

STATION	122+600	122+650	122+700	122+750	122+800	122+850	122+900	122+950	123+000	123+050	123+100	123+150
FINISHED GRADE	18.784	18.284	17.784	17.284	16.784	16.284	15.784	15.284	14.784	14.298	13.980	13.870
EXISTING GROUND	13.890	13.360	13.020	12.693	12.400	11.435	10.940	11.074	10.870	10.632	10.560	10.449

STATION	123+200	123+250	123+300	123+350	123+400	123+450	123+500	123+550	123+600	123+650	123+700
FINISHED GRADE	13.969	14.276	14.791	15.458	16.133	16.808	17.483	18.128	18.668	19.099	19.422
EXISTING GROUND	10.411	10.851	10.933	10.780	10.858	10.207	10.646	10.499	10.270	10.116	10.241

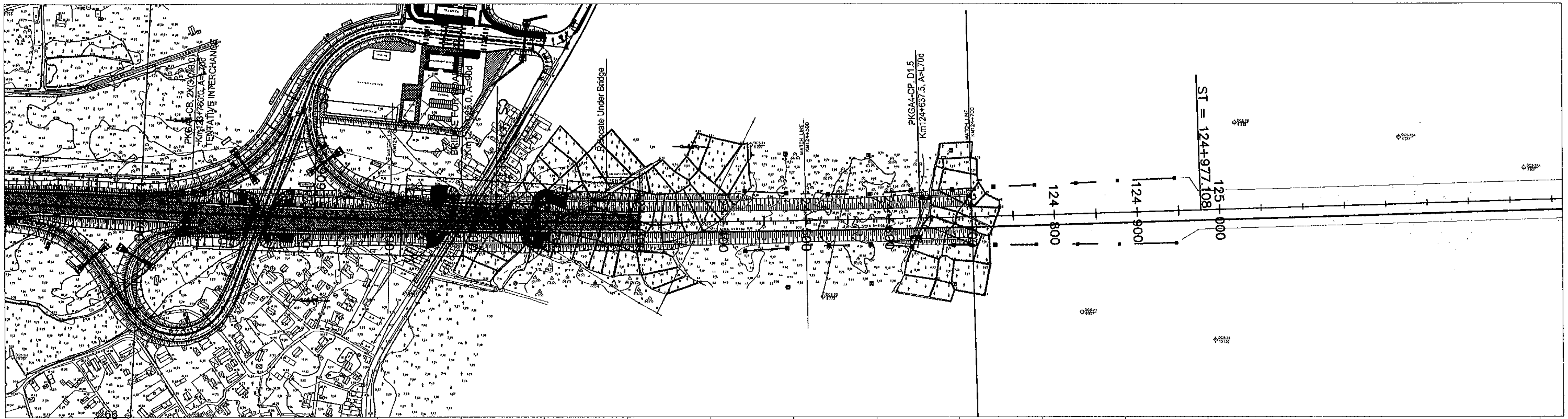
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

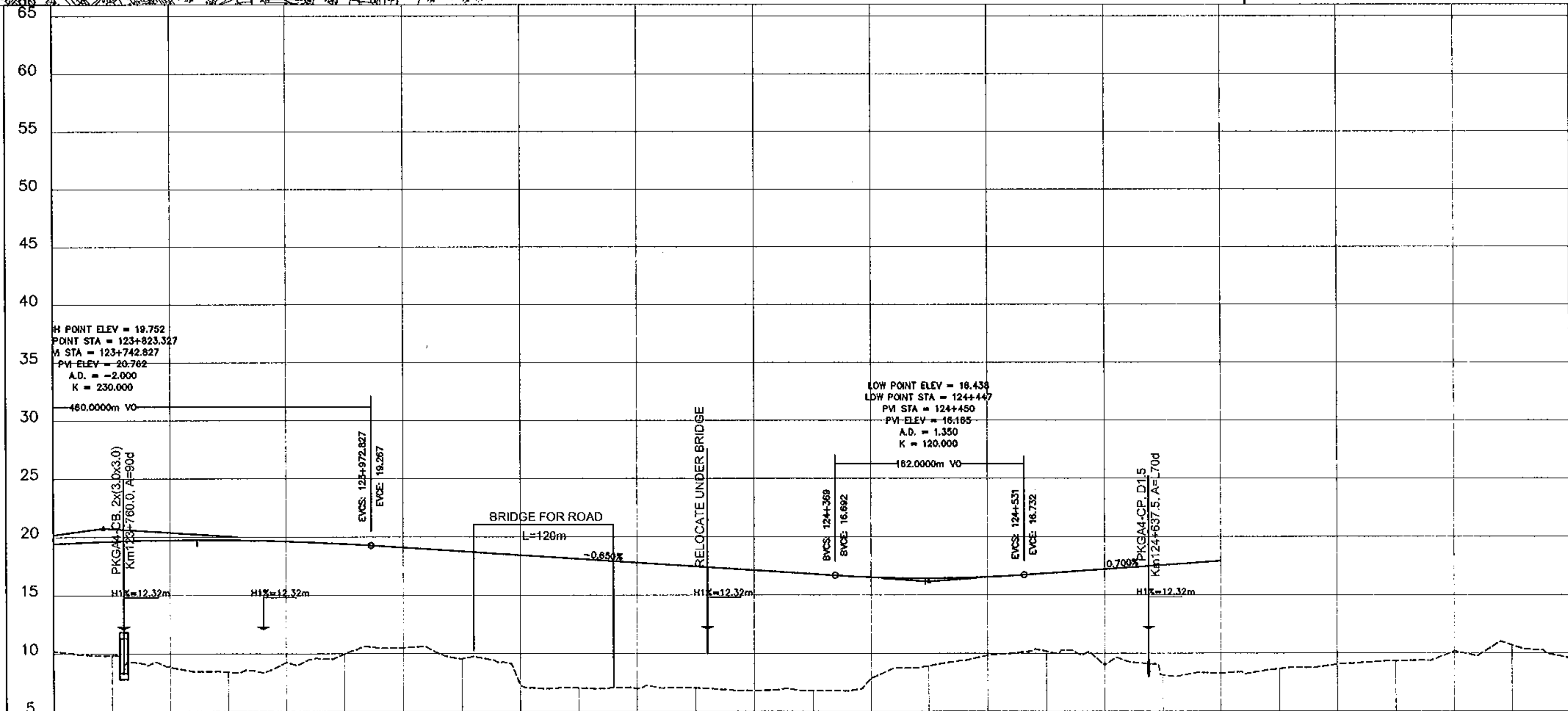
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HA PHUOC THUAN	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 110+100.00 -:- 124+700.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 110+100.00 -:- 124+700.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA4-BD-PP-080	2





STATION	FINISHED GRADE	EXISTING GROUND
123+700	19.422	10.241
123+750	19.636	9.868
123+800	19.741	8.843
123+850	19.737	8.439
123+900	19.625	9.270
123+950	19.404	9.993
124+000	19.090	10.500
124+050	18.765	9.578
124+100	18.440	7.272
124+150	18.115	7.067
124+200	17.790	7.006
124+250	17.465	7.044
124+300	17.140	6.830
124+350	16.815	6.825
124+400	16.530	7.885
124+450	16.438	8.945
124+500	16.555	9.845
124+550	16.865	10.181
124+600	17.215	9.137
124+650	17.565	8.150
124+700	17.915	8.290

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

REMARKS:

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: A4 Station: Km110+100 - Km124+700

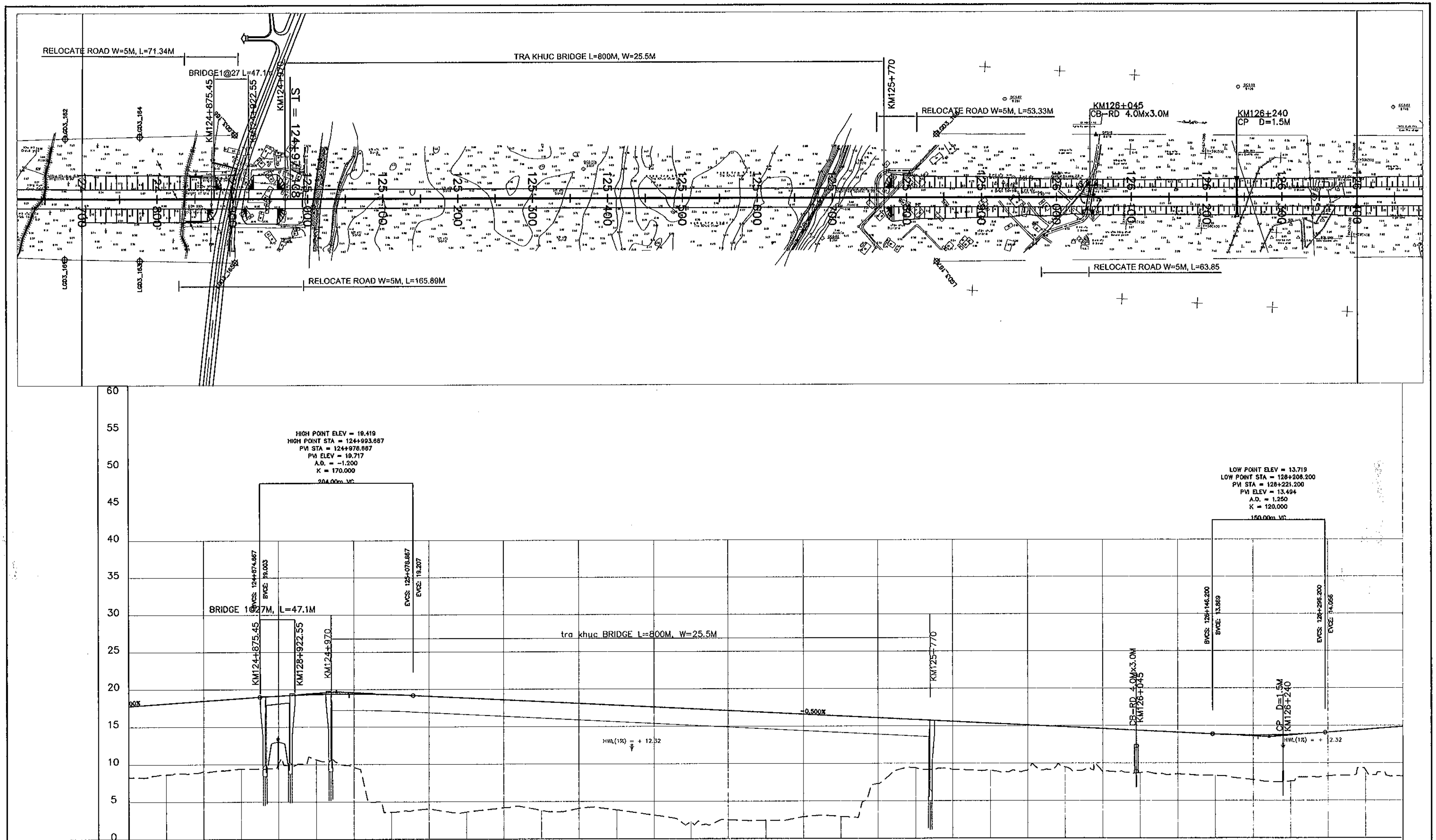
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HA PHUOC THUAN	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 110+100.00 -:- 124+700.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 110+100.00 -:- 124+700.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA4-BD-PP-090	2

D1-13. GÓI THẦU A5

D1-13. PACKAGE A5



STATION	124+700	124+750	124+800	124+850	124+900	124+950	125+000	125+050	125+100	125+150	125+200	125+250
FINISHED GRADE	17.780	18.130	18.480	18.830	19.161	19.363	19.418	19.326	19.100	18.850	18.600	18.350
EXISTING GROUND	8.290	8.656	9.070	9.405	10.188	10.639	9.600	3.610	4.080	3.630	4.210	3.820

STATION	125+300	125+350	125+400	125+450	125+500	125+550	125+600	125+650	125+700	125+750	125+800	125+850
FINISHED GRADE	18.100	17.850	17.600	17.350	17.100	16.850	16.600	16.350	16.100	15.850	15.600	15.350
EXISTING GROUND	4.090	3.890	3.180	2.289	2.530	2.460	2.910	2.940	7.318	9.393	9.160	9.083

STATION	125+900	125+950	126+000	126+050	126+100	126+150	126+200	126+250	126+300	126+350	126+400
FINISHED GRADE	15.100	14.850	14.600	14.350	14.100	13.851	13.721	13.799	14.085	14.460	14.835
EXISTING GROUND	9.090	9.478	8.850	8.699	8.540	8.328	7.780	7.576	8.270	9.038	8.210

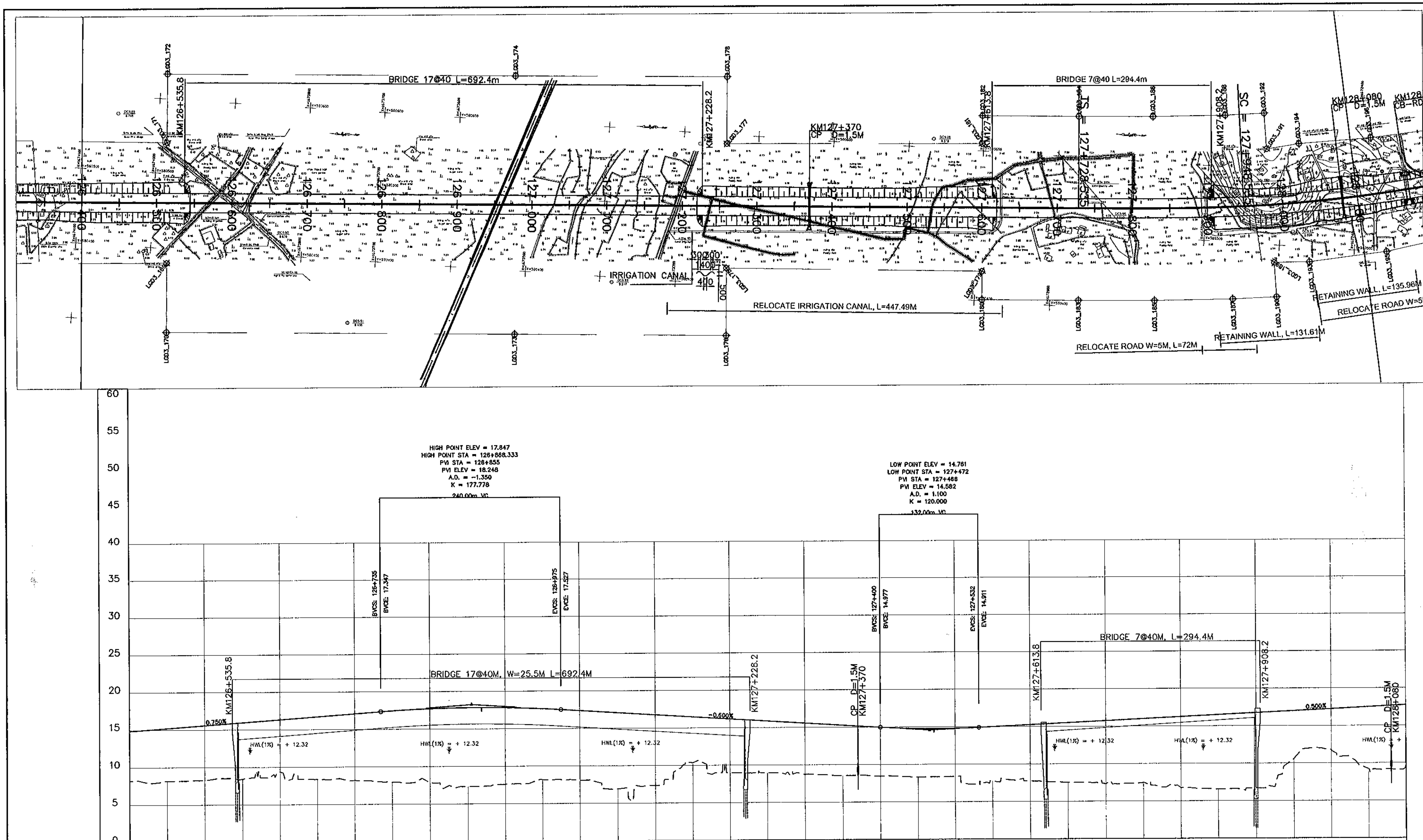
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A5 Station: Km124+700 - Km139+204.5

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HOANG DUC CHAU	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	(signature)	(signature)	(signature)
DATE			

PLAN AND PROFILE: STA124+700.00 -:- 139+204.50
BÌNH ĐỒ VÀ TRẮC DỌC: STA 124+700.00 -:- 139+204.50

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA5-BD-PP-010	3



FINISHED GRADE	14.835	15.210	15.585	15.960	16.335	16.710	17.085	17.454	17.716	17.838	17.819	17.660
EXISTING GROUND	8.210	8.177	8.290	8.448	9.360	8.351	8.220	7.944	7.850	7.314	7.600	8.198
STATION	126+400	126+450	126+500	126+550	126+600	126+650	126+700	126+750	126+800	126+850	126+900	126+950

FINISHED GRADE	17.377	17.077	16.777	16.477	16.177	15.877	15.577	15.277	14.977	14.782	14.794	15.002
EXISTING GROUND	8.100	6.943	7.360	10.360	9.010	8.966	8.730	8.545	8.430	8.313	8.340	7.727
STATION	127+000	127+050	127+100	127+150	127+200	127+250	127+300	127+350	127+400	127+450	127+500	127+550

FINISHED GRADE	15.252	15.502	15.752	16.002	16.252	16.502	16.752	17.002	17.252	17.502	17.751
EXISTING GROUND	7.740	7.530	7.340	7.479	6.761	6.545	6.711	10.603	11.796	9.202	9.633
STATION	127+600	127+650	127+700	127+750	127+800	127+850	127+900	127+950	128+000	128+050	128+100

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

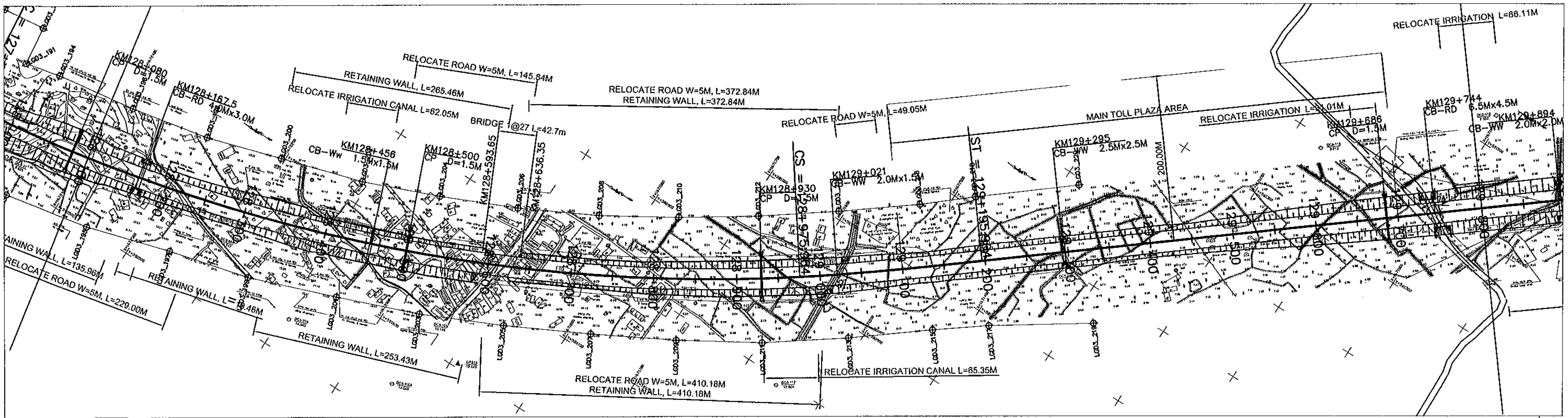
REMARKS:

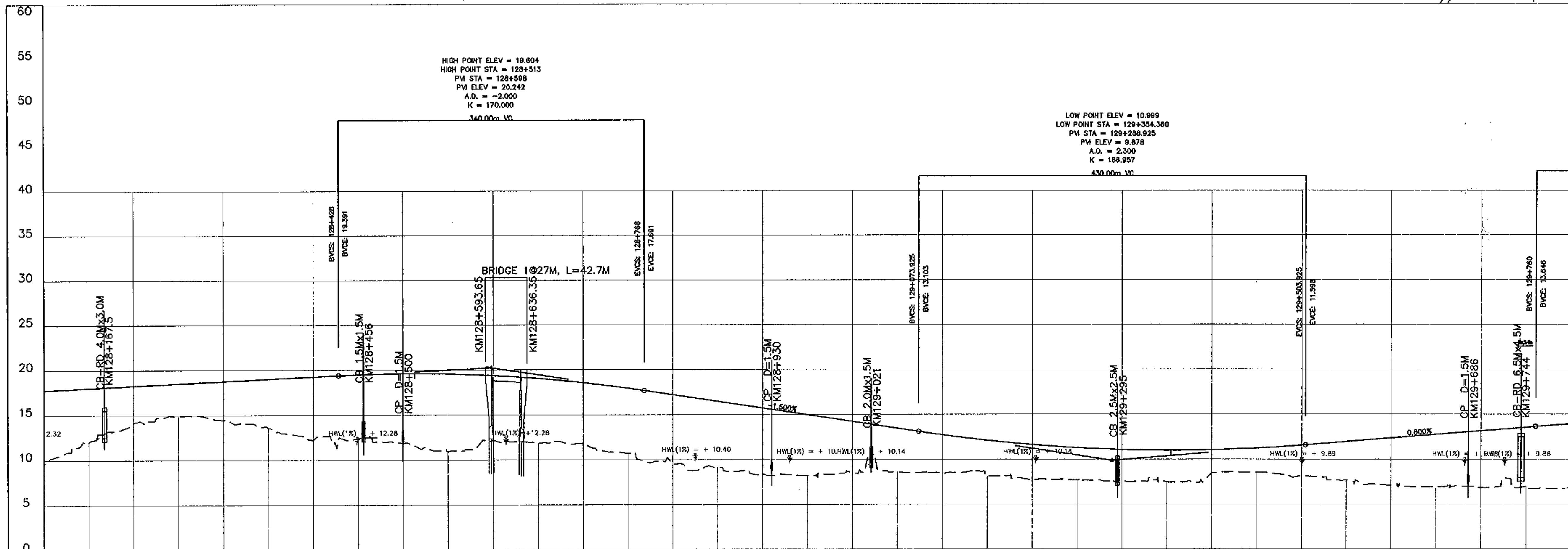
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A5 Station: Km124+700 - Km139+204.5

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HOANG DUC CHAU	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA124+700.00 -:- 139+204.50
BÌNH ĐỒ VÀ TRẮC DỌC: STA 124+700.00 -:- 139+204.50

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA5-BD-PP-020	3





STATION	FINISHED GRADE	EXISTING GROUND
128+100	17.752	9.633
128+150	18.002	12.024
128+200	18.252	14.147
128+250	18.502	14.864
128+300	18.752	14.465
128+350	19.002	13.584
128+400	19.252	12.212
128+450	19.487	12.394
128+500	19.599	11.846
128+550	19.564	10.983
128+600	19.381	12.207
128+650	19.052	11.890
128+700	18.575	11.851
128+750	17.952	10.726
128+800	17.211	9.514
128+850	16.461	9.167
128+900	15.711	8.436
128+950	14.961	8.219
129+000	14.211	8.552
129+050	13.461	8.644
129+100	12.730	8.434
129+150	12.116	8.142
129+200	11.637	7.750
129+250	11.291	7.736
129+300	11.078	7.620
129+350	11.000	7.501
129+400	11.055	8.480
129+450	11.244	8.544
129+500	11.567	8.160
129+550	11.966	7.710
129+600	12.366	7.140
129+650	12.766	6.950
129+700	13.166	6.840
129+750	13.566	7.018
129+800	13.932	6.840

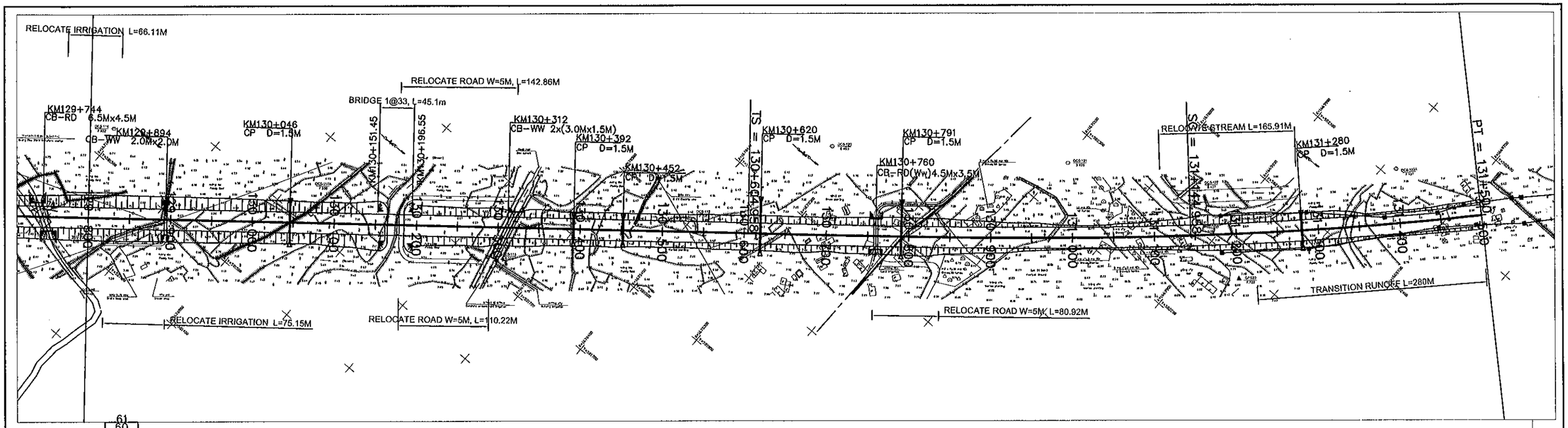
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

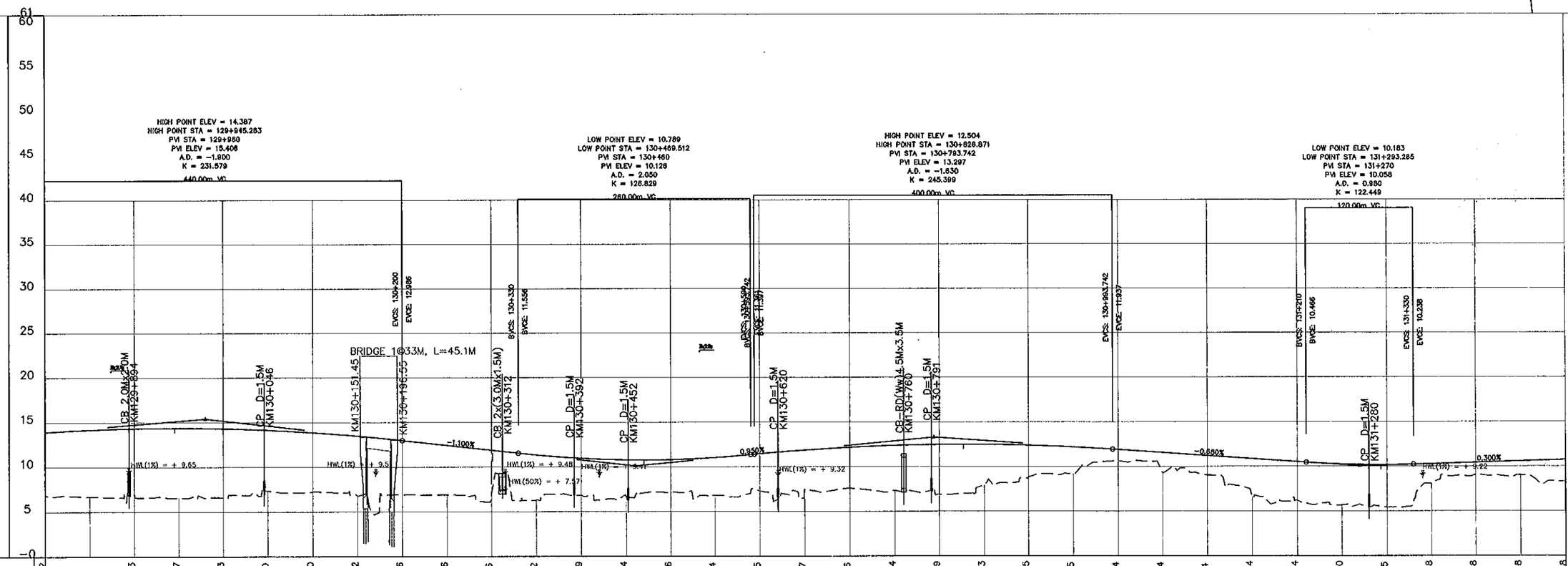
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A5 Station: Km124+700 - Km139+204.5

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HOANG DUC CHAU	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA124+700.00 -:- 139+204.50
BÌNH ĐỒ VÀ TRẮC DỌC: STA 124+700.00 -:- 139+204.50

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA5-BD-PP-030	3





STATION	EXISTING GROUND	FINISHED GRADE
129+800	6.840	13.932
129+850	6.692	14.191
129+900	6.918	14.343
129+950	6.563	14.387
130+000	6.600	14.323
130+050	7.351	14.150
130+100	7.260	13.870
130+150	6.606	13.482
130+200	6.910	12.986
130+250	6.881	12.436
130+300	7.134	11.886
130+350	6.331	11.352
130+400	6.840	10.979
130+450	6.667	10.804
130+500	7.230	10.826
130+550	6.811	11.044
130+600	7.290	11.455
130+650	7.503	11.867
130+700	7.617	12.176
130+750	7.366	12.384
130+800	6.920	12.489
130+850	7.928	12.493
130+900	8.852	12.395
130+950	9.190	12.195
131+000	10.629	11.884
131+050	9.290	11.554
131+100	9.023	11.214
131+150	6.735	10.874
131+200	6.190	10.534
131+250	5.685	10.260
131+300	5.450	10.185
131+350	8.073	10.298
131+400	9.104	10.448
131+450	9.023	10.598
131+500		10.748

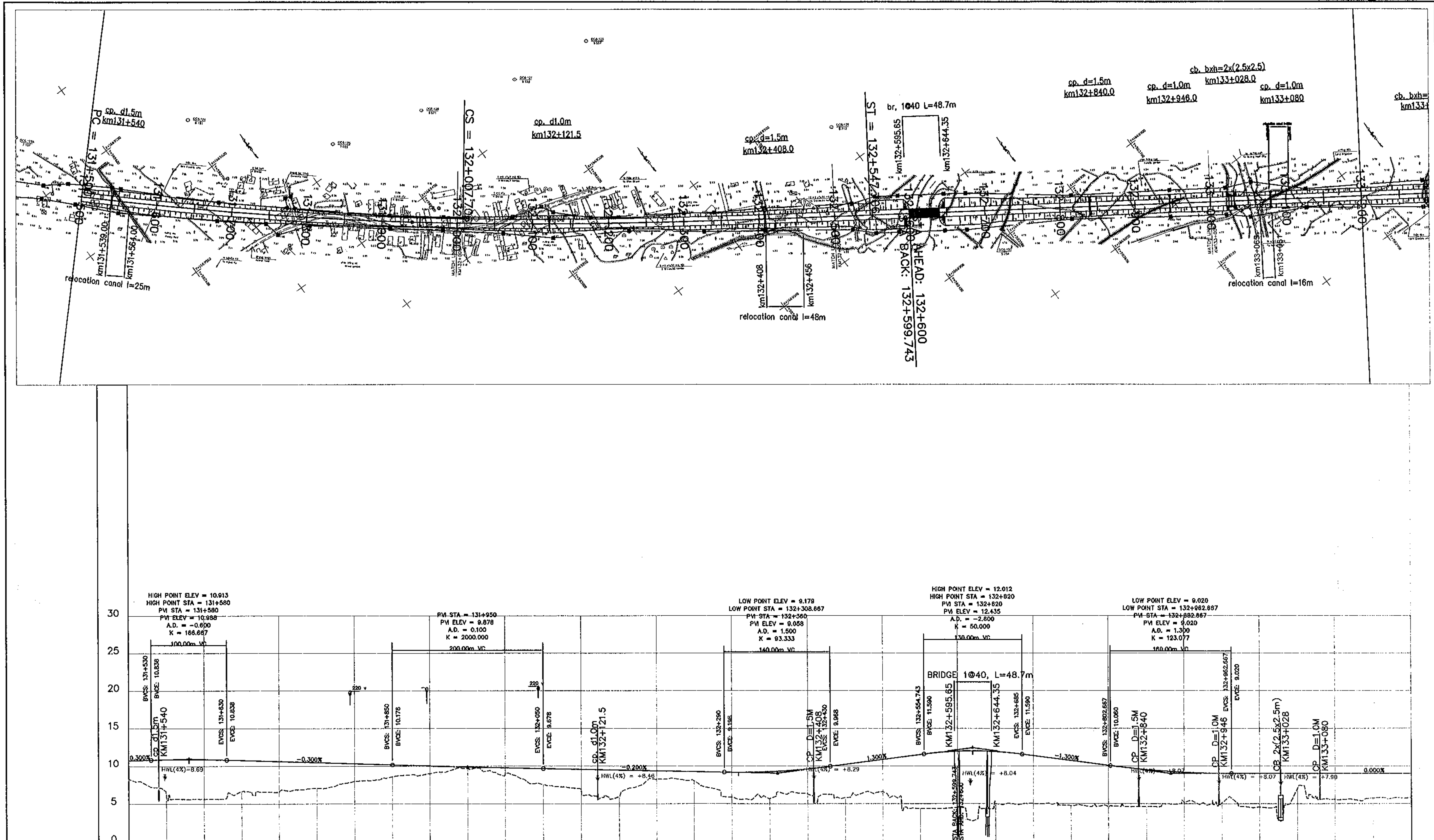
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A5 Station: Km124+700 - Km139+204.5

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	HOANG DUC CHAU	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA124+700.00 -:- 139+204.50
BÌNH ĐỒ VÀ TRẮC DỌC: STA 124+700.00 -:- 139+204.50

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA5-BD-PP-040	4



FINISHED GRADE	10.748	10.886	10.901	10.778	10.628	10.478	10.328	10.178	10.034	9.903	9.784	9.678
EXISTING GROUND	8.314	6.151	5.624	6.682	6.600	7.125	8.009	8.608	9.004	9.673	8.884	7.562
STATION	131+500	131+550	131+600	131+650	131+700	131+750	131+800	131+850	131+900	131+950	132+000	132+050

FINISHED GRADE	9.578	9.478	9.378	9.278	9.183	9.271	9.626	10.228	10.878	11.528	11.973	11.921
EXISTING GROUND	6.582	5.997	8.253	8.038	5.882	5.703	6.293	5.809	6.608	4.384	4.520	5.012
STATION	132+100	132+150	132+200	132+250	132+300	132+350	132+400	132+450	132+500	132+550	132+600	132+650

FINISHED GRADE	11.391	10.741	10.091	9.533	9.178	9.026	9.020	9.020	9.020	9.020	9.020
EXISTING GROUND	5.059	4.781	4.632	4.655	5.208	5.146	4.577	7.089	5.612	5.767	5.843
STATION	132+700	132+750	132+800	132+850	132+900	132+950	133+000	133+050	133+100	133+150	133+200

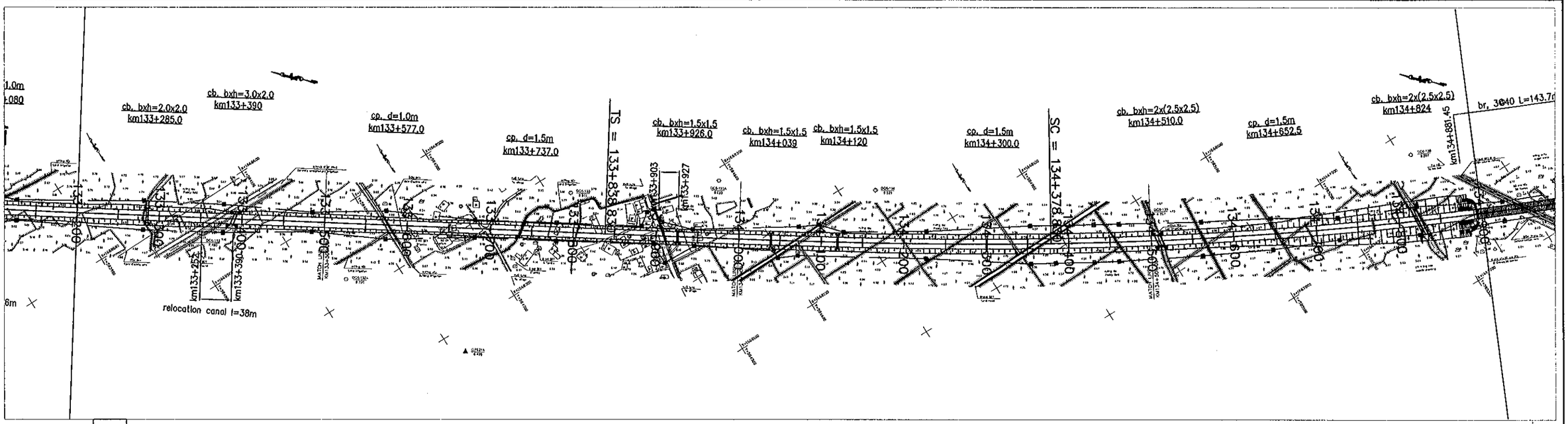
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

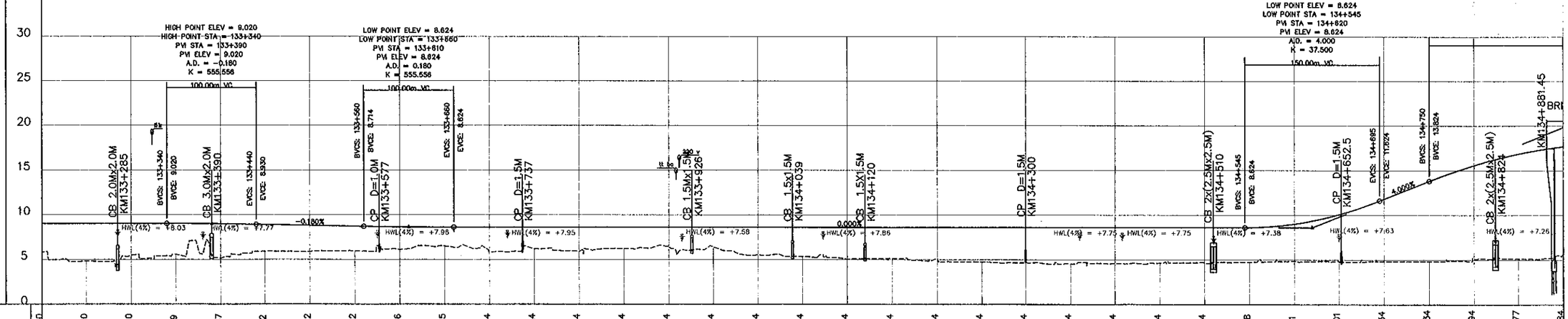
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A5 (LINKING ROAD) Station: Km124+700 - Km139+204.5

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN NHO SI	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA124+700.00 -:- 139+204.50
BÌNH ĐỒ VÀ TRẮC DỌC: STA 124+700.00 -:- 139+204.50

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA5-BD-PP-050	2





STATION	FINISHED GRADE	EXISTING GROUND
133+200	9.020	5.843
133+250	9.020	4.838
133+300	9.020	5.484
133+350	9.019	5.581
133+400	8.987	5.168
133+450	8.912	5.935
133+500	8.822	5.903
133+550	8.732	5.968
133+600	8.656	6.113
133+650	8.625	6.498
133+700	8.624	5.851
133+750	8.624	6.192
133+800	8.624	5.952
133+850	8.624	6.238
133+900	8.624	6.435
133+950	8.624	6.421
134+000	8.624	5.536
134+050	8.624	5.362
134+100	8.624	5.073
134+150	8.624	5.141
134+200	8.624	5.058
134+250	8.624	4.766
134+300	8.624	4.680
134+350	8.624	4.545
134+400	8.624	4.621
134+450	8.624	4.656
134+500	8.624	4.683
134+550	8.628	4.749
134+600	9.031	4.863
134+650	10.101	4.820
134+700	11.834	4.848
134+750	13.834	4.833
134+800	15.594	5.117
134+850	16.877	5.136
134+900	17.684	5.567

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

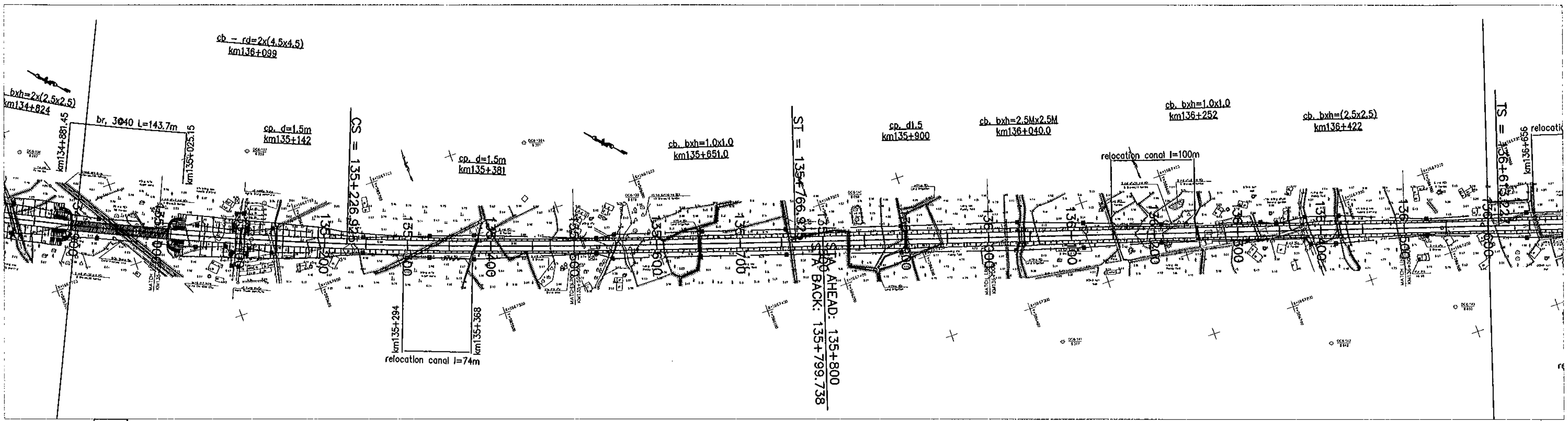
REMARKS:

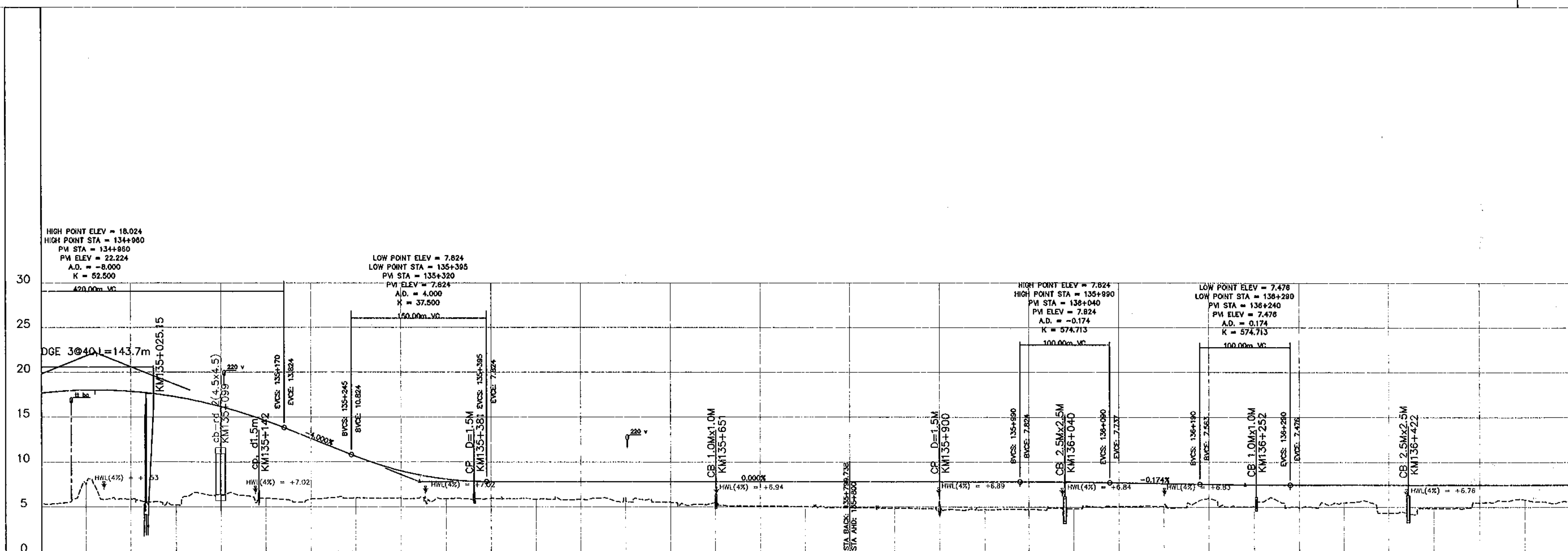
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A5 (LINKING ROAD) Station: Km124+700 - Km139+204.5

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN NHO SI	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA124+700.00 -:- 139+204.50
BÌNH ĐỒ VÀ TRẮC DỌC: STA 124+700.00 -:- 139+204.50

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA5-BD-PP-060	2





	134+900	134+950	135+000	135+050	135+100	135+150	135+200	135+250	135+300	135+350	135+400	135+450
FINISHED GRADE	17.684	18.015	17.870	17.248	16.150	14.577	12.614	10.617	9.021	8.091	7.824	7.824
EXISTING GROUND	5.567	7.576	5.870	5.209	6.333	5.966	5.889	5.996	5.981	5.922	5.952	5.850

	135+500	135+550	135+600	135+650	135+700	135+750	135+800	135+850	135+900	135+950	136+000	136+050
FINISHED GRADE	7.824	7.824	7.824	7.824	7.824	7.824	7.824	7.824	7.824	7.824	7.823	7.792
EXISTING GROUND	5.856	5.606	5.511	5.481	5.109	5.065	4.924	4.888	4.131	4.745	4.733	4.834

	136+100	136+150	136+200	136+250	136+300	136+350	136+400	136+450	136+500	136+550	136+600
FINISHED GRADE	7.719	7.632	7.546	7.490	7.476	7.476	7.476	7.476	7.476	7.476	7.476
EXISTING GROUND	5.062	5.262	5.984	5.086	4.942	5.518	4.351	4.879	5.485	5.817	5.487

(Row label of the column headers above: STATION)

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

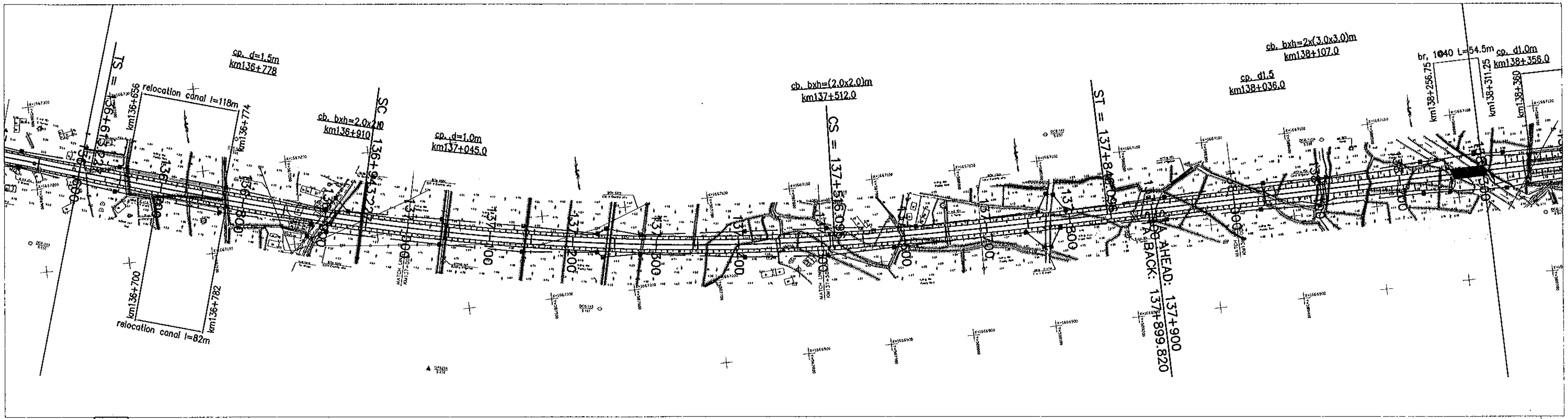
REMARKS:

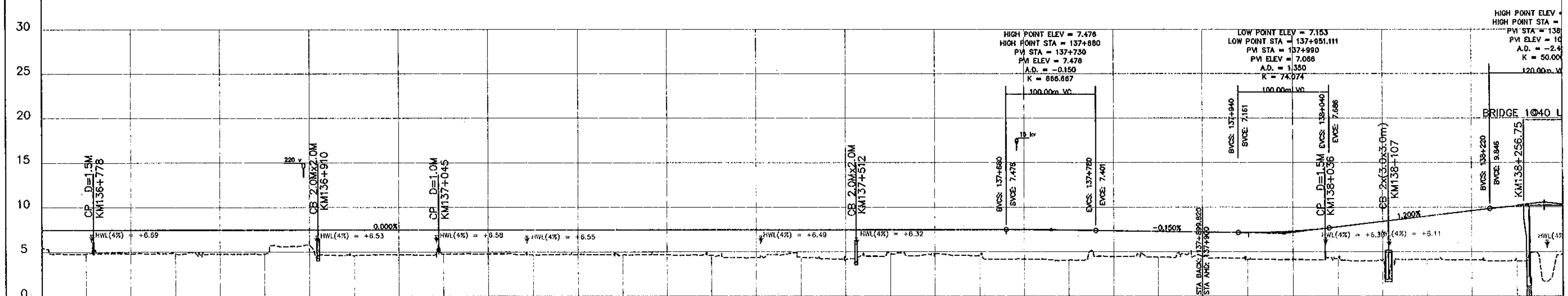
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A5 (LINKING ROAD) Station: Km124+700 - Km139+204.5

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN NHO SI	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	(signed)	(signed)	(signed)
DATE			

PLAN AND PROFILE: STA124+700.00 -:- 139+204.50
BÌNH ĐỒ VÀ TRẮC DỌC: STA 124+700.00 -:- 139+204.50

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA5-BD-PP-070	2





STATION	136+600	136+650	136+700	136+750	136+800	136+850	136+900	136+950	137+000	137+050	137+100	137+150
FINISHED GRADE	7.476	7.476	7.476	7.476	7.476	7.476	7.476	7.476	7.476	7.476	7.476	7.476
EXISTING GROUND	5.487	4.824	4.823	4.829	4.780	4.804	5.704	4.638	4.690	4.781	4.794	4.685

STATION	137+200	137+250	137+300	137+350	137+400	137+450	137+500	137+550	137+600	137+650	137+700	137+750
FINISHED GRADE	7.476	7.475	7.476	7.476	7.475	7.476	7.476	7.476	7.476	7.476	7.473	7.439
EXISTING GROUND	4.718	4.688	4.691	4.610	4.399	4.361	4.186	4.809	4.828	4.582	4.186	4.076

STATION	137+800	137+850	137+900	137+950	138+000	138+050	138+100	138+150	138+200	138+250	138+300
FINISHED GRADE	7.370	7.295	7.220	7.153	7.319	7.815	8.415	9.015	9.615	10.120	10.163
EXISTING GROUND	4.458	4.392	4.480	4.155	4.139	4.436	4.149	4.131	4.101	3.960	4.815

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

REMARKS:

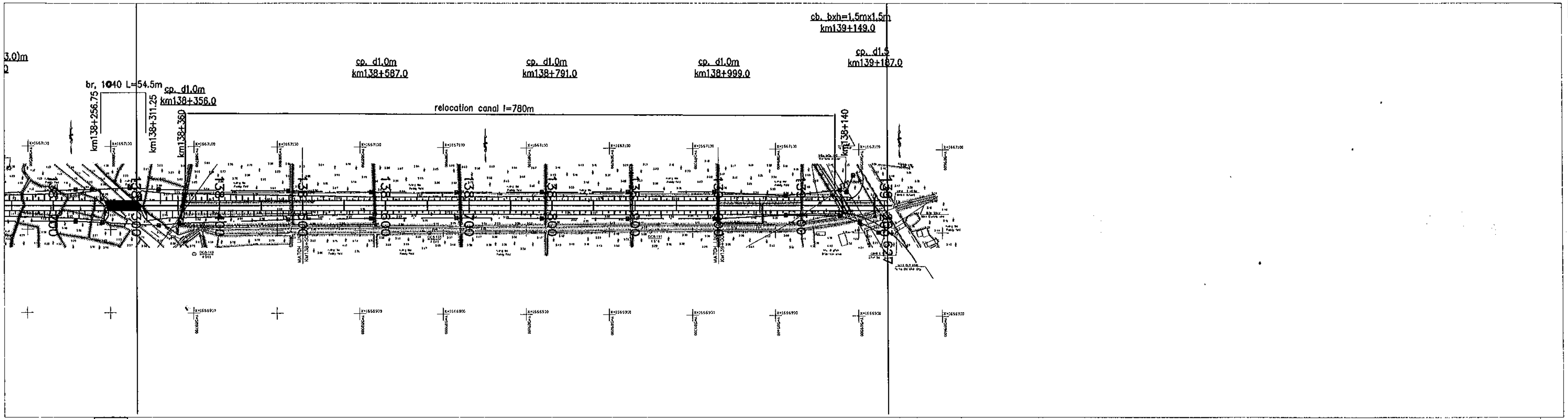
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

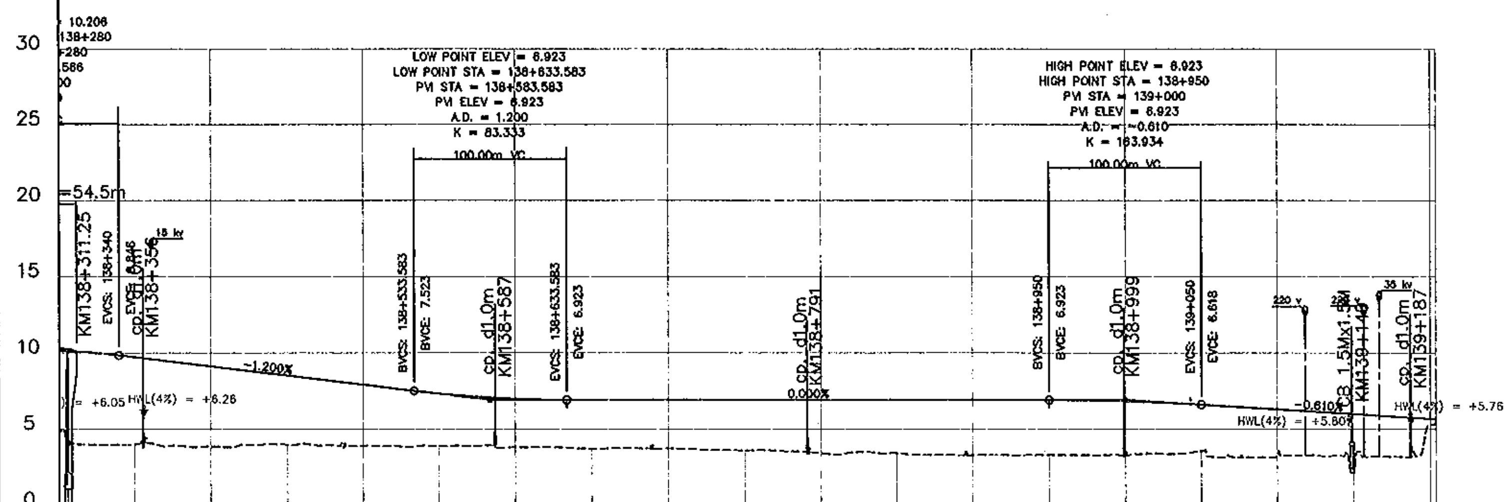
Package: A5 (LINKING ROAD) Station: Km124+700 - Km139+204.5

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN NHO SI	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA124+700.00 -:- 139+204.50
BÌNH ĐỒ VÀ TRẮC DỌC: STA 124+700.00 -:- 139+204.50

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA5-BD-PP-080	2





FINISHED GRADE	10.163	9.718	9.118	8.518	7.918	7.335	6.988	6.923	6.923	6.923	6.923	6.923	6.923	6.923	6.845	6.614	6.309	6.004	5.699
EXISTING GROUND	4.815	4.016	3.886	3.953	3.919	3.899	3.809	3.711	3.730	3.613	3.433	3.438	3.300	3.318	3.303	3.599	3.563	2.421	5.293
STATION	138+300	138+350	138+400	138+450	138+500	138+550	138+600	138+650	138+700	138+750	138+800	138+850	138+900	138+950	139+000	139+050	139+100	139+150	139+200/189

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

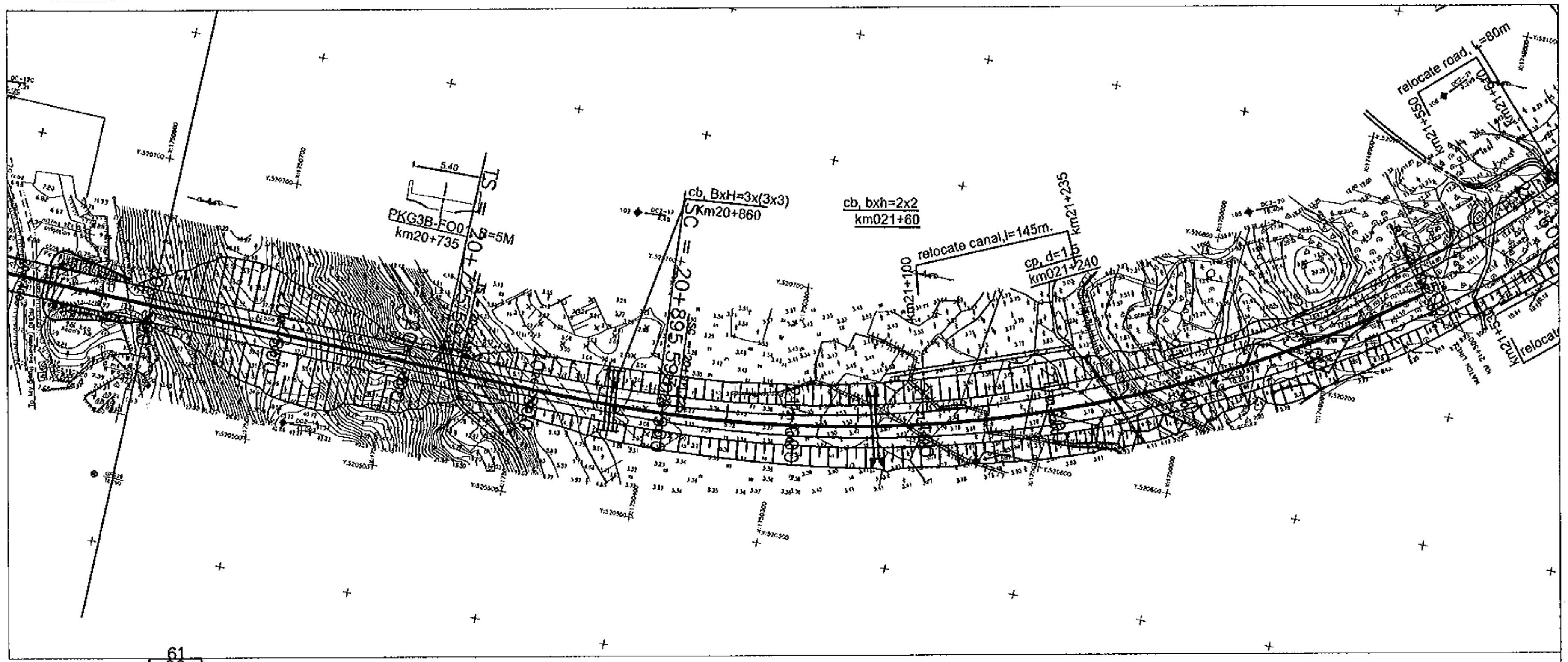
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A5 (LINKING ROAD) Station: Km124+700 - Km139+204.5

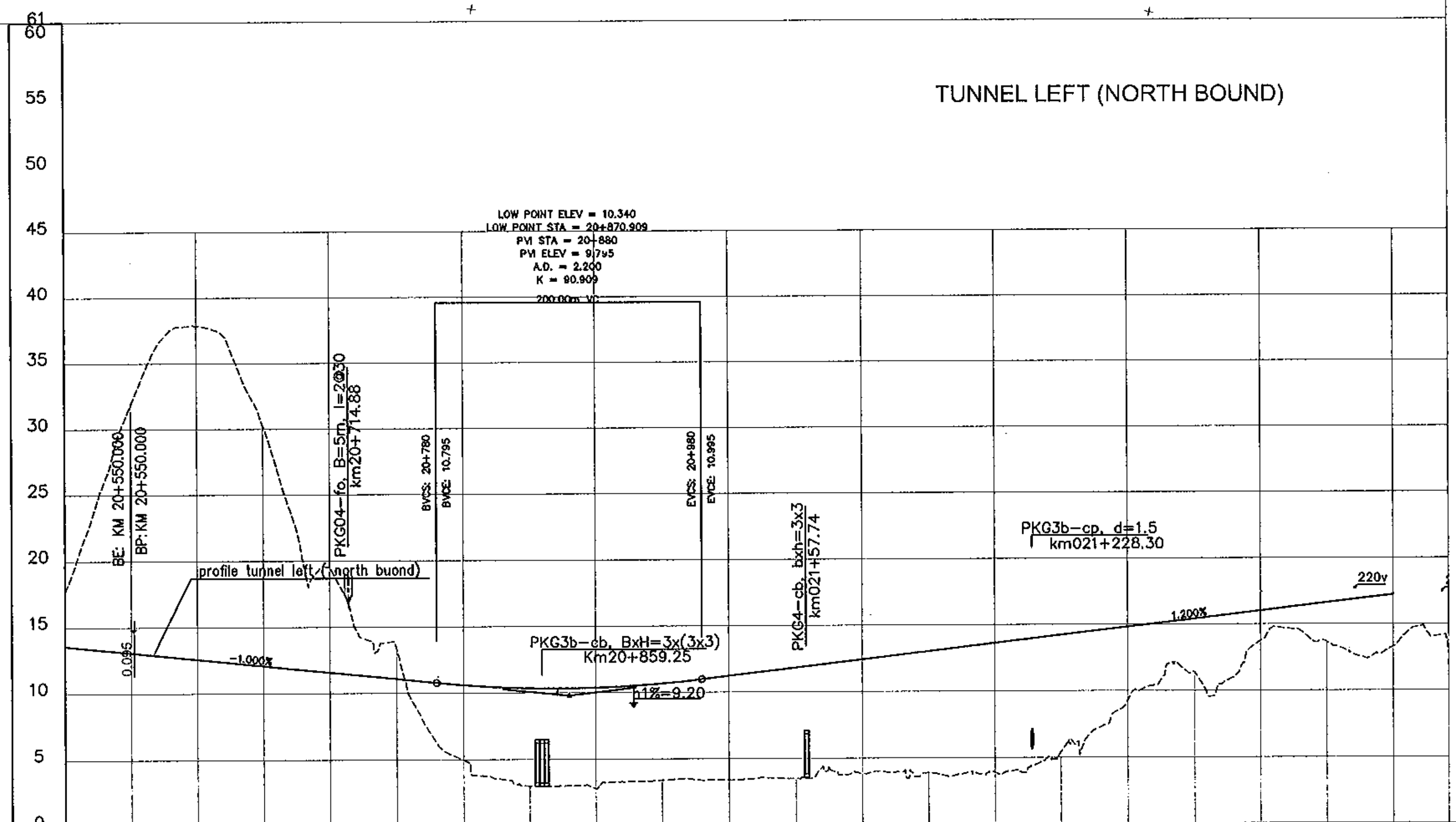
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN NHO SI	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA124+700.00 -:- 139+204.50
BÌNH ĐỒ VÀ TRẮC DỌC: STA 124+700.00 -:- 139+204.50

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKGA5-BD-PP-090	2

D2. PLAN AND PROFILE OF TUNNEL SECTION
D2. MẶT BẰNG – TRẮC DỌC ĐOẠN HẦM





NOTES:
- KM OF STRUCTURE ON PLAN DRAWINGS ARE CENTER LINE STATION
-KM OF STRUCTURE ON PROFILE DRAWINGS ARE LEFT LINE STATION

FINISHED GRADE	13.595	13.095	12.595	12.095	11.595	11.095	10.617	10.364	10.387	10.684	11.235	11.835	12.435	13.035	13.635	14.235	14.835	15.435	16.035	16.635	17.235
EXISTING GROUND	17.678	31.857	37.840	30.232	19.549	13.361	4.976	3.016	2.814	3.401	3.401	3.489	3.860	3.899	3.894	5.409	9.303	11.415	13.773	13.670	13.317
STATION	20+500	20+550	20+600	20+650	20+700	20+750	20+800	20+850	20+900	20+950	21+000	21+050	21+100	21+150	21+200	21+250	21+300	21+350	21+400	21+450	21+500

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

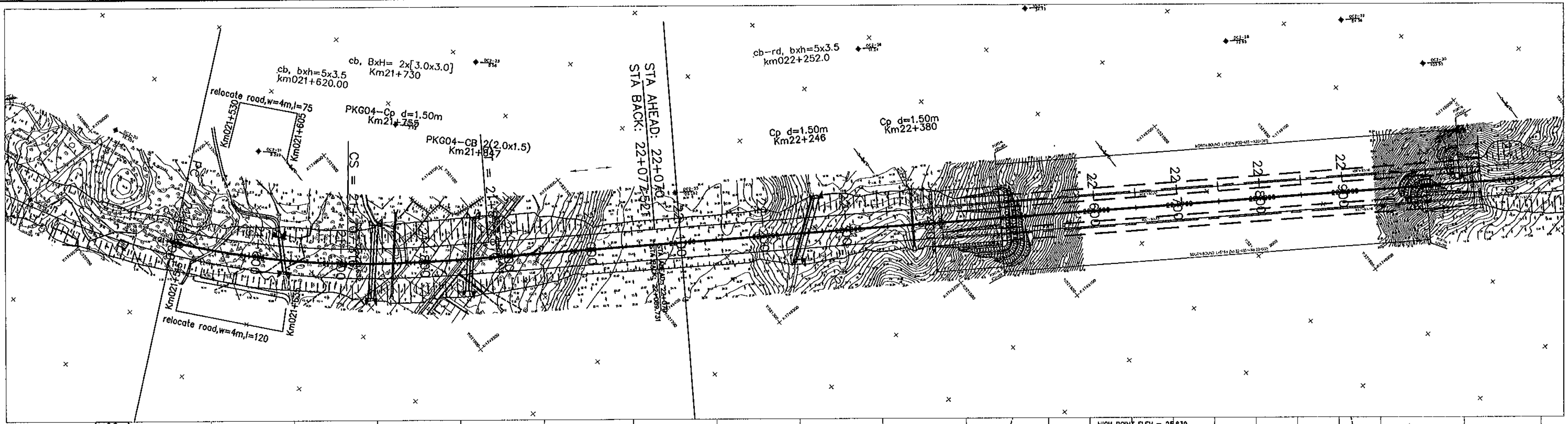
REMARKS:

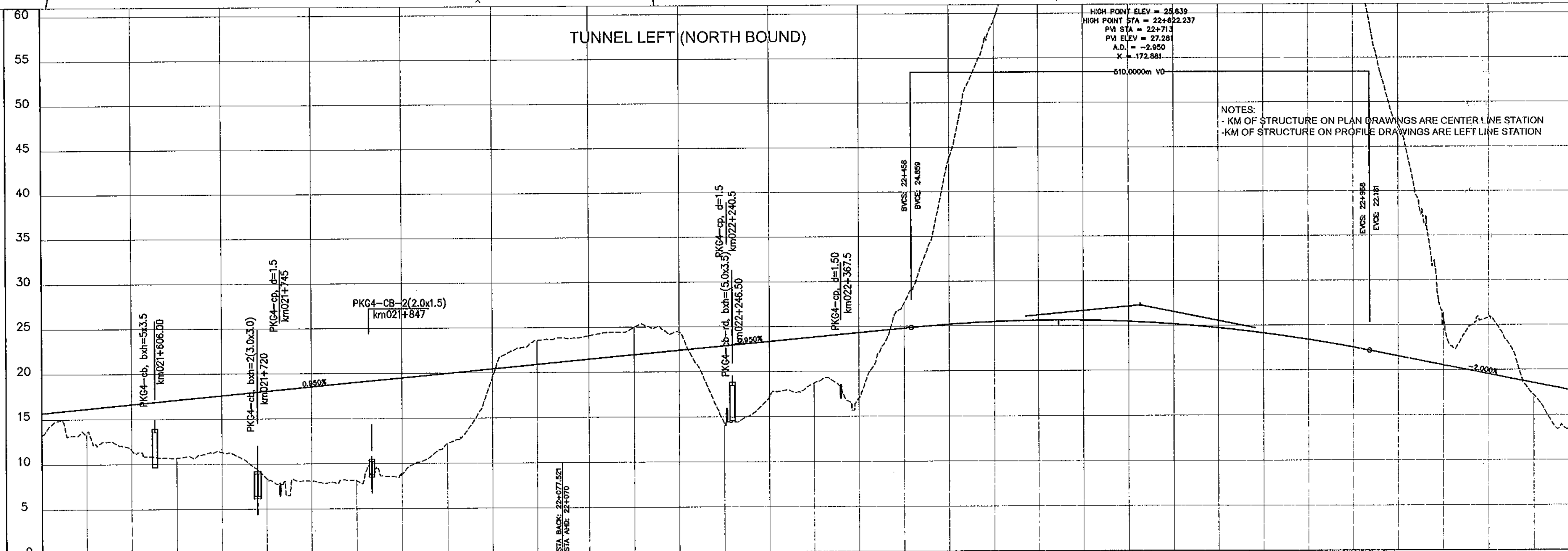
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 3B Station: Km18+100 - Km21+500 (TUNNEL LEFT NORTH BOUND)

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 18+100.00 -:- 21+500.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 18+100.00 -:- 21+500.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG3B-BD-PP-030	3





NOTES:
- KM OF STRUCTURE ON PLAN DRAWINGS ARE CENTER LINE STATION
-KM OF STRUCTURE ON PROFILE DRAWINGS ARE LEFT LINE STATION

STATION	FINISHED GRADE	EXISTING GROUND
21+500	15.686	13.277
21+550	16.161	13.507
21+600	16.636	11.573
21+650	17.111	10.682
21+700	17.586	11.316
21+750	18.061	8.402
21+800	18.536	8.086
21+850	19.011	8.096
21+900	19.486	8.834
21+950	19.961	12.180
22+000	20.436	19.526
22+050	20.911	23.573
22+092	21.386	23.926
22+100	21.458	

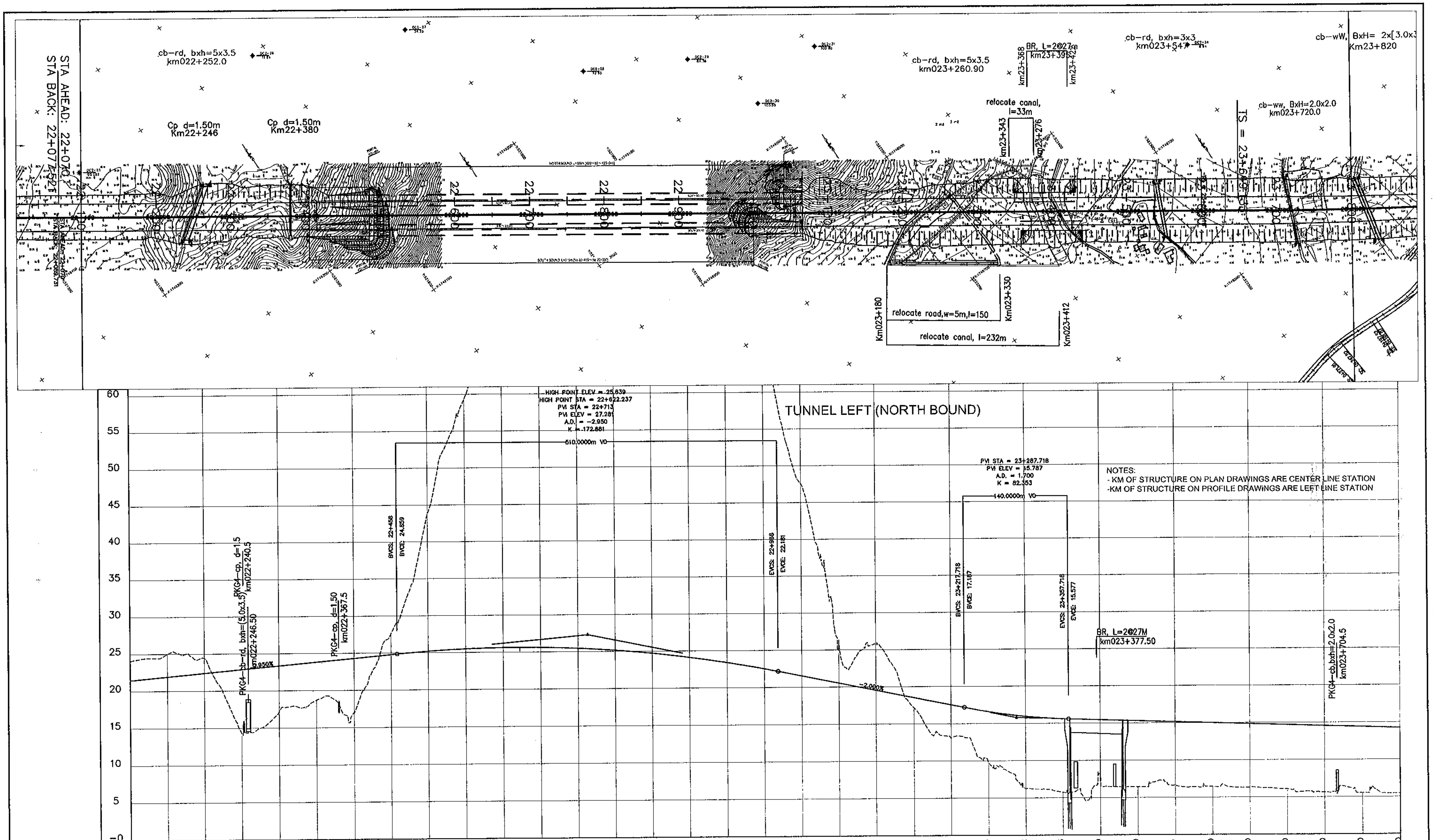
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 4 Station: Km21+500 - Km32+600 (TUNNEL LEFT NORTH BOUND)

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 21+500.00 -:- 32+600.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 21+500.00 -:- 32+600.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG4-BD-PP-090	3



STATION	22+100	22+150	22+200	22+250	22+300	22+350	22+400	22+450	22+500	22+550	22+600	22+650	22+700	22+750	22+800	22+850	22+900	22+950
FINISHED GRADE		21.933	22.408	22.883	23.358	23.833	24.308	24.783	25.206	25.488	25.624	25.616	25.464	25.167	24.725	24.138	23.407	22.532
EXISTING GROUND	24.068	24.984	24.421	14.285	17.224	18.713	17.003	27.606	43.750	59.304	69.268	68.713	68.158	67.602	68.600	69.798	70.750	67.243

STATION	23+000	23+050	23+100	23+150	23+200	23+250	23+300	23+350	23+400	23+450	23+500	23+550	23+600	23+650	23+700	23+750	23+800
FINISHED GRADE	21.541	20.541	19.541	18.541	17.541	16.604	15.952	15.603	15.450	15.300	15.150	15.000	14.850	14.700	14.550	14.400	14.250
EXISTING GROUND	47.557	26.085	25.830	17.168	13.075	9.764	6.249	5.749	8.062	6.466	6.621	6.477	6.302	6.100	5.634	5.528	5.461

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

REMARKS:

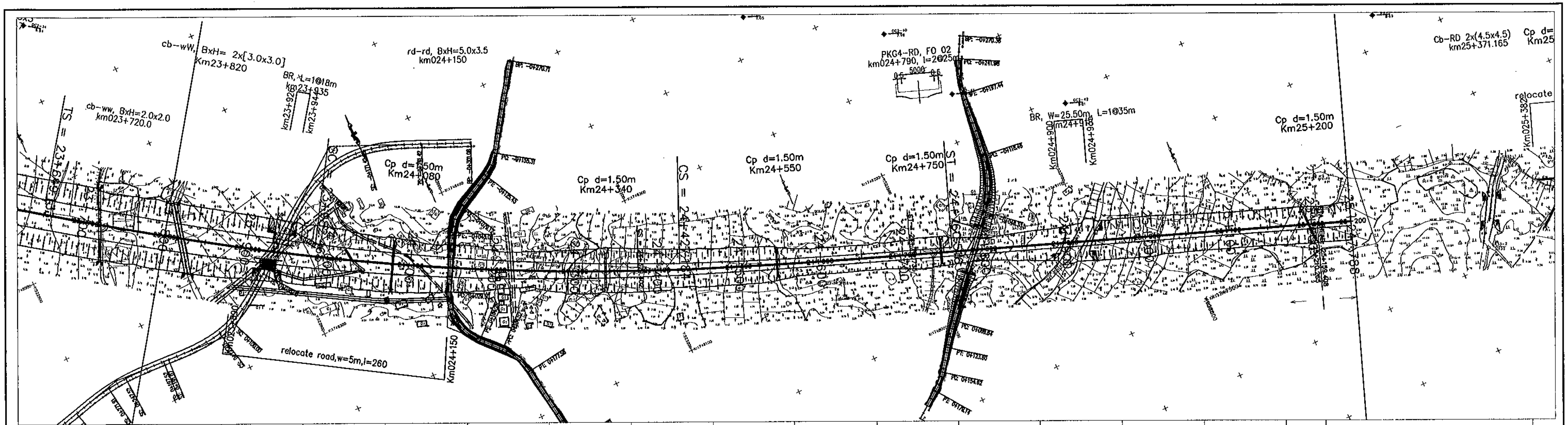
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

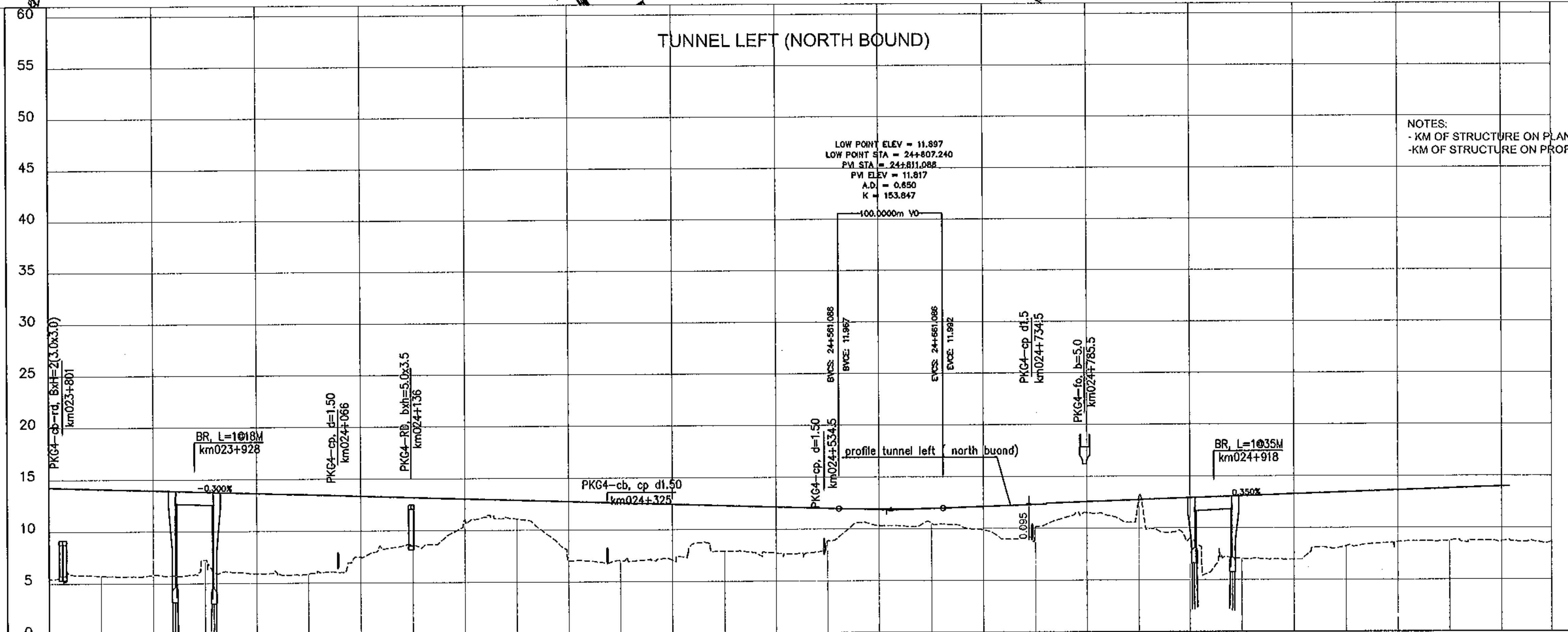
Package: 4 Station: Km21+500 - Km32+600 (TUNNEL LEFT NORTH BOUND)

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 21+500.00 -:- 32+600.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 21+500.00 -:- 32+600.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG4-BD-PP-100	3





NOTES:
- KM OF STRUCTURE ON PLAN DRAWINGS ARE CENTER LINE STATION
-KM OF STRUCTURE ON PROFILE DRAWINGS ARE LEFT LINE STATION

FINISHED GRADE	14.250	14.100	13.950	13.800	13.650	13.500	13.350	13.200	13.050	12.900	12.750	12.600	12.450	12.300	12.150	12.000	11.899	11.957	12.128	12.303	12.478	12.653	12.828	13.003	13.178	13.353	13.528	13.703	13.878	14.045
EXISTING GROUND	5.461	5.750	5.823	7.251	5.938	5.857	7.480	8.626	10.969	11.083	7.026	7.045	7.068	7.902	7.717	8.850	10.310	10.531	9.869	10.173	11.499	13.080	9.001	7.061	6.973	8.252	8.626	8.765	8.713	
STATION	23+800	23+850	23+900	23+950	24+000	24+050	24+100	24+150	24+200	24+250	24+300	24+350	24+400	24+450	24+500	24+550	24+600	24+650	24+700	24+750	24+800	24+850	24+900	24+950	25+000	25+050	25+100	25+150	25+200	25+248

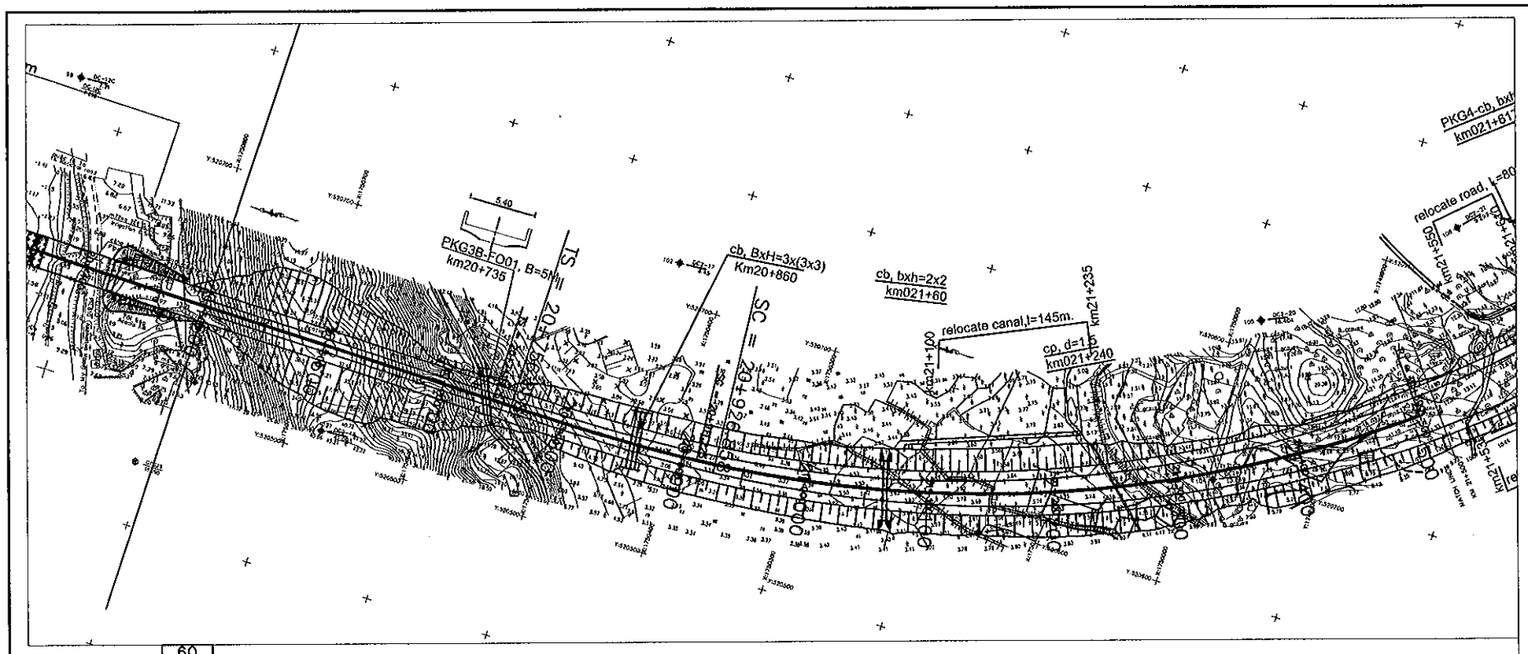
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

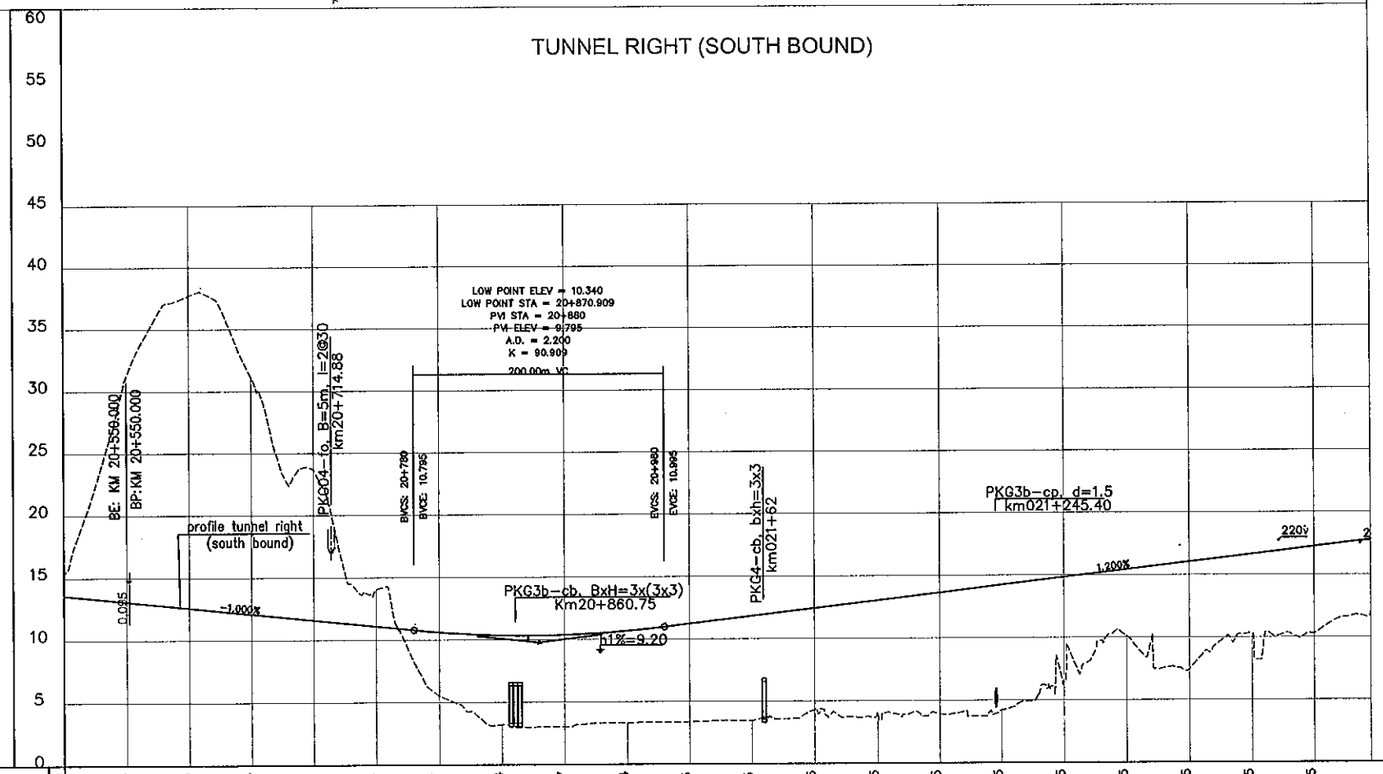
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 4 Station: Km21+500 - Km32+600 (TUNNEL LEFT NORTH BOUND)

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 21+500.00 -:- 32+600.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 21+500.00 -:- 32+600.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG4-BD-PP-110	3





FINISHED GRADE	13.595	13.095	12.595	12.095	11.595	11.085	10.617	10.364	10.387	10.684	11.235	11.835	12.435	13.035	13.635	14.235	14.835	15.435	16.035	16.635	17.235			
EXISTING GROUND	15.295	31.225	37.723	31.118	23.664	14.052	5.531	3.221	3.028	3.332	3.387	3.475	4.314	4.089	3.964	4.222	6.444	10.091	7.475	10.254	10.316			
STATION	20+500	20+550	20+600	20+650	20+700	20+750	20+800	20+850	20+900	20+950	21+000	21+050	21+100	21+150	21+200	21+250	21+300	21+350	21+400	21+450	21+500			

NOTES:
- KM OF STRUCTURE ON PLAN DRAWINGS ARE CENTER LINE STATION
-KM OF STRUCTURE ON PROFILE DRAWINGS ARE RIGHT LINE STATION

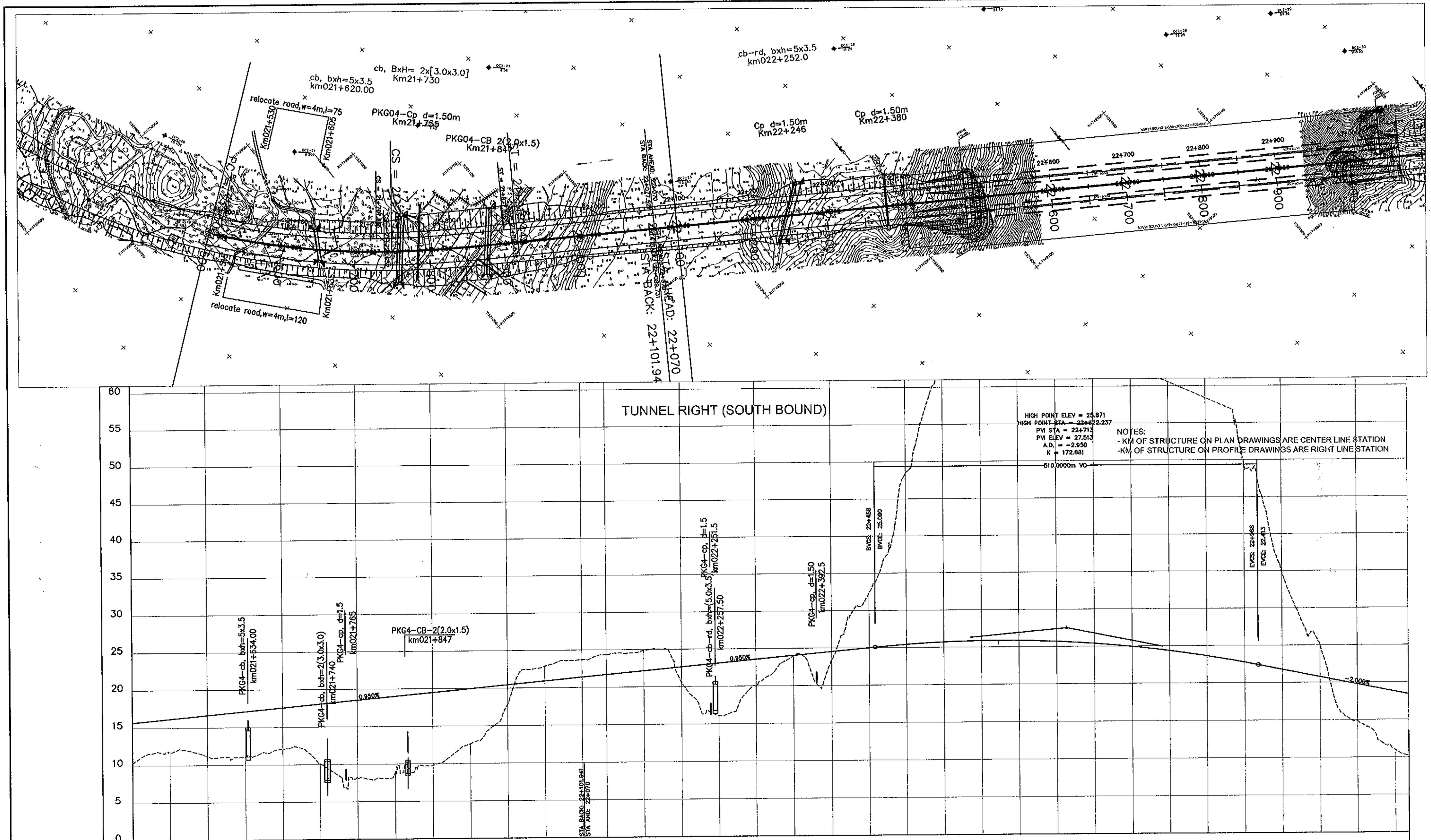
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 3B Station: Km18+100 - Km21+500 (TUNNEL RIGHT SOUTH BOUND)

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PLAN AND PROFILE: STA 18+100.00 -:- 21+500.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 18+100.00 -:- 21+500.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG3B-BD-PP-040	3



FINISHED GRADE	15.686	16.161	16.636	17.111	17.586	18.061	18.536	19.011	19.486	19.961	20.436	20.911	21.386	21.690
EXISTING GROUND	10.311	11.767	11.174	11.119	12.110	10.088	8.192	8.963	9.786	12.636	17.852	22.870	23.715	
STATION	21+500	21+550	21+600	21+650	21+700	21+750	21+800	21+850	21+900	21+950	22+000	22+050	22+100	22+100

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

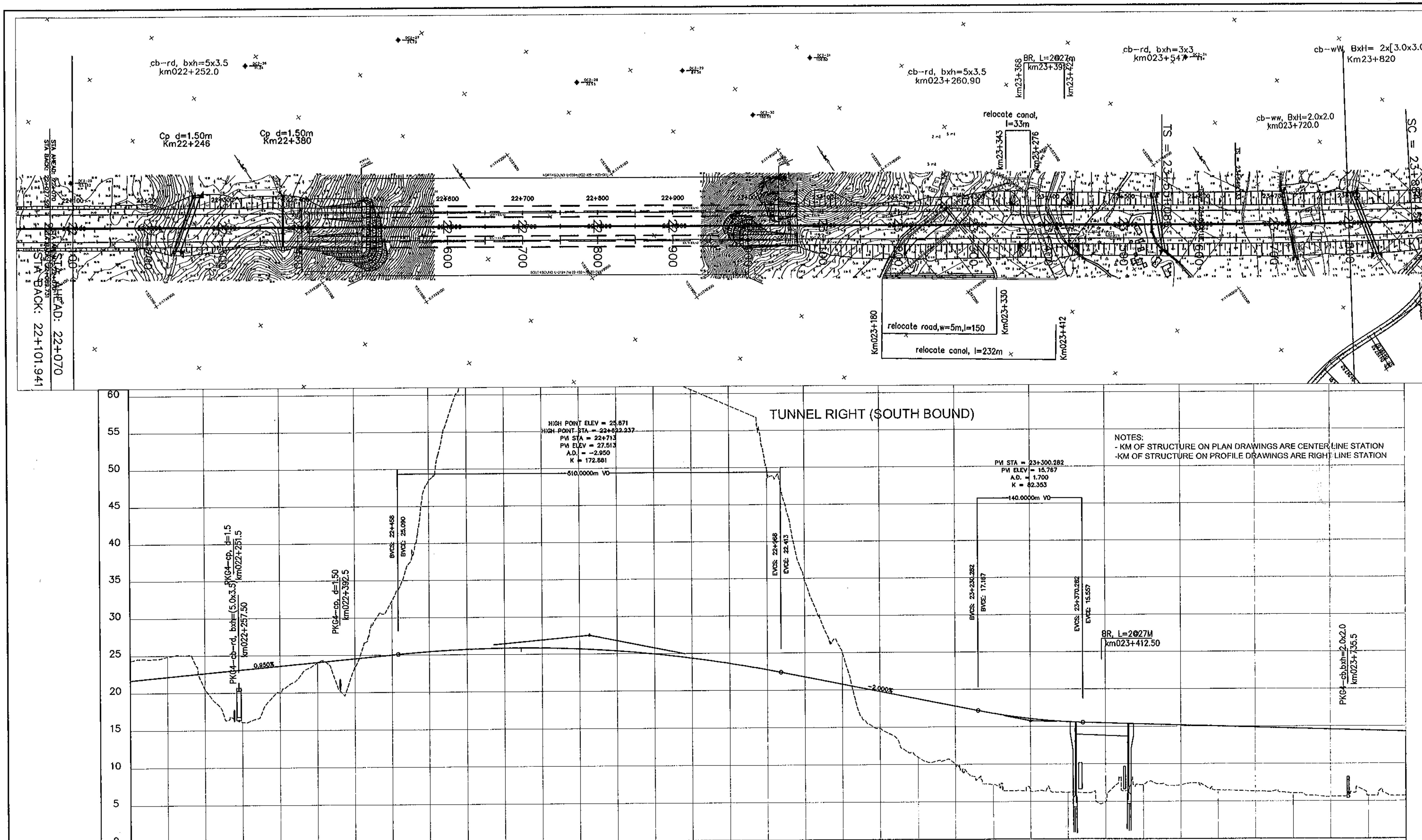
REMARKS:

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 4 Station: Km21+500 - Km32+600 (TUNNEL RIGHT SOUTH BOUND)

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 21+500.00 -:- 32+600.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 21+500.00 -:- 32+600.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG4-BD-PP-120	3



STATION	FINISHED GRADE	EXISTING GROUND
22+100		24.350
22+150	22.164	24.880
22+200	22.639	20.542
22+250	23.114	16.107
22+300	23.589	19.996
22+350	24.064	23.984
22+400	24.539	23.465
22+450	25.014	32.312
22+500	25.438	48.505
22+550	25.720	64.524
22+600	25.856	72.936
22+650	25.848	69.854
22+700	25.696	67.139
22+750	25.399	64.946
22+800	24.957	62.753
22+850	24.370	60.560
22+900	23.639	58.368
22+950	22.764	49.707
23+000	21.773	34.727
23+050	20.773	25.036
23+100	19.773	14.846
23+150	18.773	10.962
23+200	17.773	10.067
23+250	16.797	7.308
23+300	16.068	6.360
23+350	15.643	6.219
23+400	15.468	4.963
23+450	15.318	7.283
23+500	15.168	7.219
23+550	15.018	6.484
23+600	14.868	6.329
23+650	14.718	6.069
23+700	14.568	5.596
23+750	14.418	5.719
23+800	14.268	5.695

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

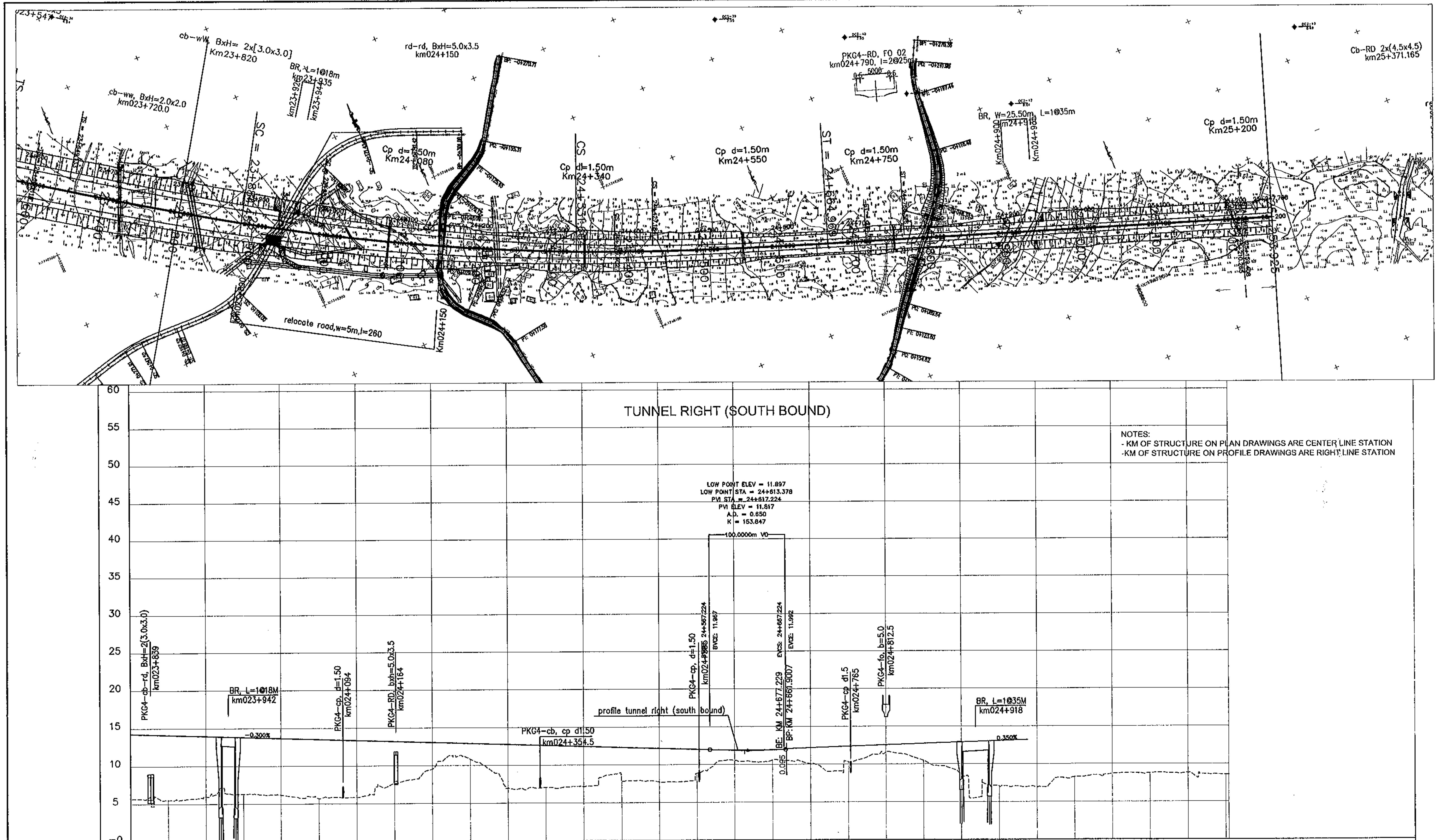
REMARKS:

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 4 Station: Km21+500 - Km32+600 (TUNNEL RIGHT SOUTH BOUND)

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 21+500.00 -:- 32+600.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 21+500.00 -:- 32+600.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG4-BD-PP-130	3



FINISHED GRADE	14.268	14.118	13.968	13.818	13.668	13.518	13.368	13.218	13.068	12.918	12.768	12.618	12.468	12.318	12.168
EXISTING GROUND	5.695	5.533	5.986	6.316	6.187	5.716	5.850	7.660	9.561	10.837	6.951	7.077	7.164	7.852	7.743
STATION	23+800	23+850	23+900	23+950	24+000	24+050	24+100	24+150	24+200	24+250	24+300	24+350	24+400	24+450	24+500

FINISHED GRADE	12.018	11.903	11.941	12.106	12.281	12.456	12.631	12.806	12.981	13.156	13.331	13.506	13.681	13.856	14.031 14.045
EXISTING GROUND	8.845	10.559	10.593	10.074	10.309	11.573	10.448	8.635	7.065	6.954	8.278	8.693	8.793	8.819	8.551
STATION	24+550	24+600	24+650	24+700	24+750	24+800	24+850	24+900	24+950	25+000	25+050	25+100	25+150	25+200	25+250 25+254

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: 4 Station: Km21+500 - Km32+600 (TUNNEL RIGHT SOUTH BOUND)

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	P. V. HUNG	TAKAYASU NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PLAN AND PROFILE: STA 21+500.00 -:- 32+600.00
BÌNH ĐỒ VÀ TRẮC DỌC: STA 21+500.00 -:- 32+600.00

SCALE	DRAWING NO.	REV. NO.
H:1/5,000 V:1/500	PKG4-BD-PP-140	3

E. INTERCHANGES
E. NÚT GIAO

E1. TÚY LOAN INTERCHANGE
E1. NÚT GIAO TUÝ LOAN

E1-1. INTERSECTION IN 1ST STAGE
E1-1. NÚT GIAO TRONG GIAI ĐOẠN 1

000168

PLAN OF TUY LOAN INTERSECTION-PHASE 1

SCALE: 1/5000

ALI: Expressway
Box culvert:WW
BxH=2x2
STA: 0+471.087

NO WIDENING
KM: -0+83.782 - KM: -0+780

RAMP B1
Box culvert:WW
BxH=2x2
STA: 0+584.739

ALI: Expressway
Box culvert:WW
BxH=2x2
STA: 0+291.788

DN Bypass

Roundabout Center

RAMP A1
Box culvert:WW
BxH=6(4x4)
STA: 0+738.834

RAMP D2
Box culvert:WW
BxH=6(4x4)
STA: 0+611.546

ALI: NH14B
Pipe culvert 1D150
STA: 0+096.000

NH14B

Expressway

RAMP C2
Pipe culvert 1D150
STA: 0+436.834

ALI: Expressway
Pipe culvert 1D150
STA: 0+781.519

ALI: Expressway
Pipe culvert 1D150
STA: 0+920.913

PATH - D:_02\CAREER\ON-GN PROJECT\SIR.MAGARIO\1.TUY LOAN IC\LKMD~350-0~90\01.ALTERNATIVE\1-CLOVERLEAF\ROUNDABOUT CENTER\02-PLAN - TUY LOAN IC-ROUNDABOUT_130103.DWG - SHEET: PLAN 2X - JAN 12, 2013

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN INTERSECTION
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PLAN OF TUY LOAN INTERSECTION-PHASE 1
SIGNATURE				SCALE: 1/5000 · DRAWING NO.: PKG1-IC-PP-010 · REV. NO.: 3
DATE				

000169

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

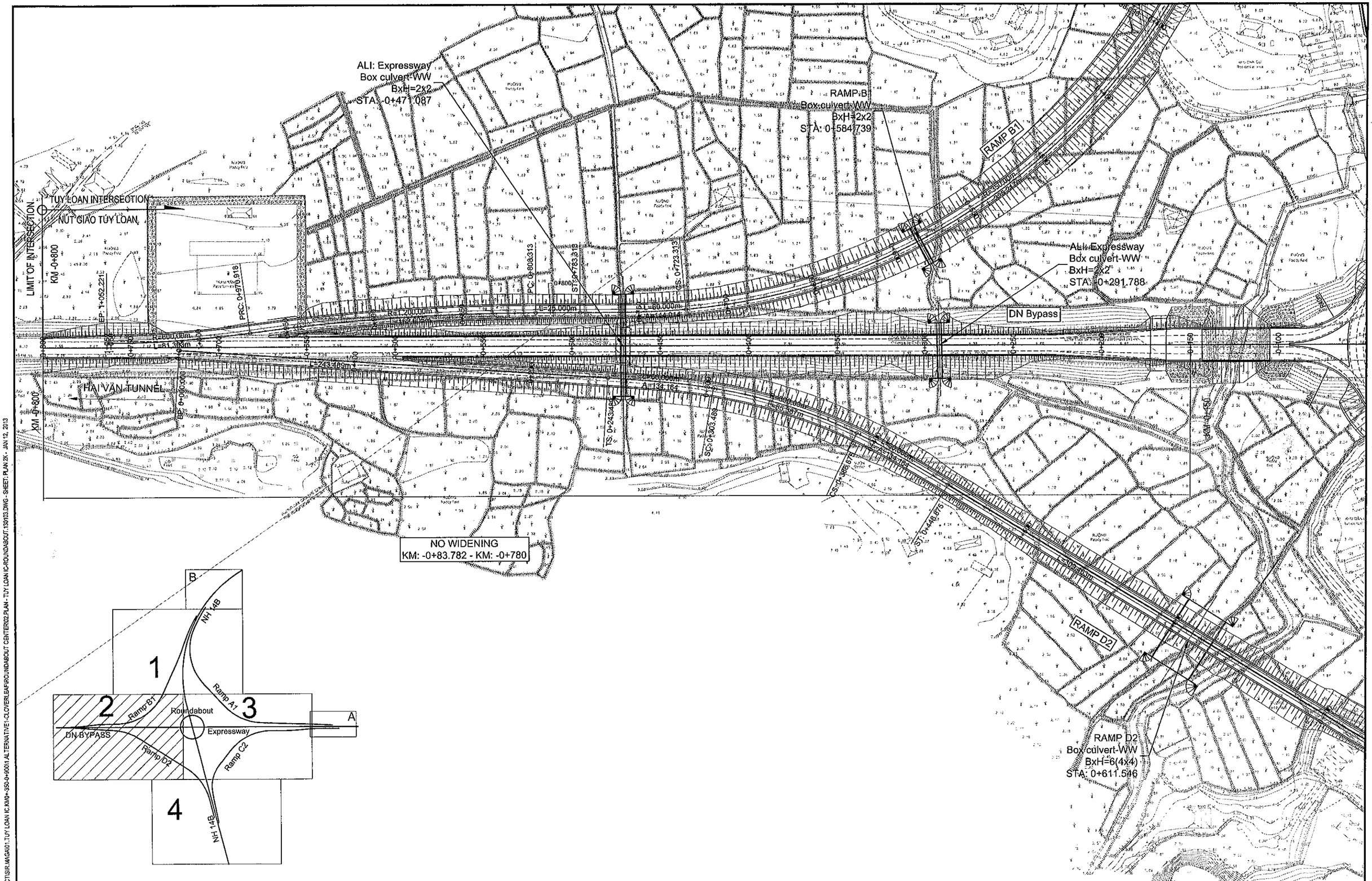
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN INTERSECTION		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PLAN OF TUY LOAN INTERSECTION-PHASE 1 (1/4)		
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/2000	PKG1-IC-PP-020	3

PATH: - DL_02.02\REFERION-DN PROJECT\SIR.MAGNI01.TUY LOAN IC.NMD~350-0-9001.ALTERNATIVE1-CLOVERLEAF\ROUNDABOUT CENTER\02.PLAN - TUY LOAN IC-ROUNDABOUT.130108.DWG - SHEET: PLAN 2K - JAN 12, 2013

000170



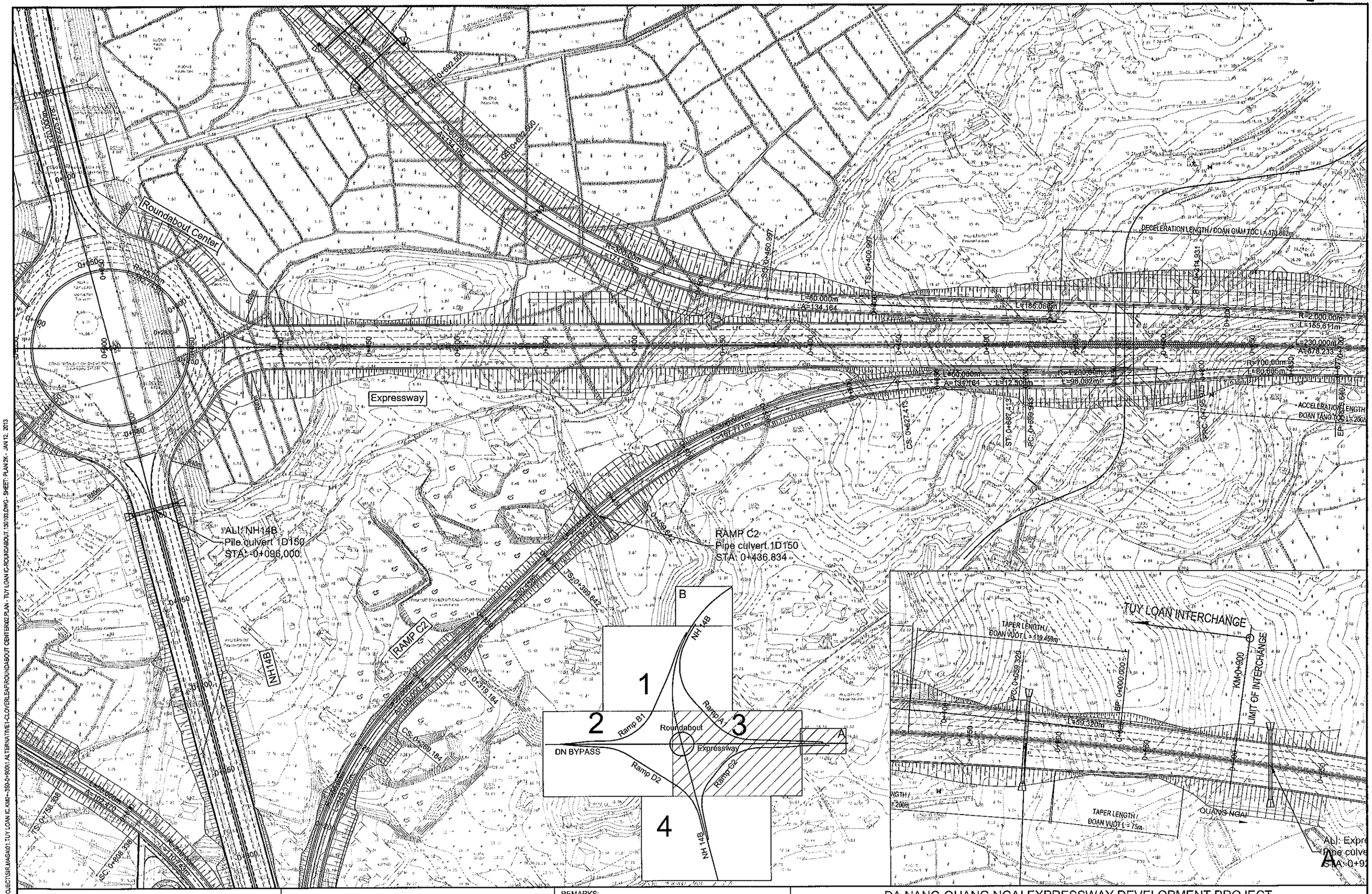
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN INTERSECTION		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PLAN OF TUY LOAN INTERSECTION-PHASE 1 (2/4)		
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/2000	PKG1-IC-PP-030	3-

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\01.TUY LOAN IC.KMP+350.0+90\01.ALTERNATIVE1-CLOVERLEAF\ROUNDABOUT CENTER\02.PLAN - TUY LOAN IC-ROUNDABOUT.139103.DWG - SHEET: PLAN-2K - JAN 12, 2013

000171



PATH - D:_02-CAREER\DN-QN PROJECT\SIR.MAGA\01.TUY LOAN IC.KMI~350+900\01.ALTERNATIVE1-CLOVERLEAF\ROUNDABOUT CENTER\02.PLAN - TUY LOAN IC-ROUNDABOUT 130103.DWG - SHEET: PLAN2K - JAN 12, 2013

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

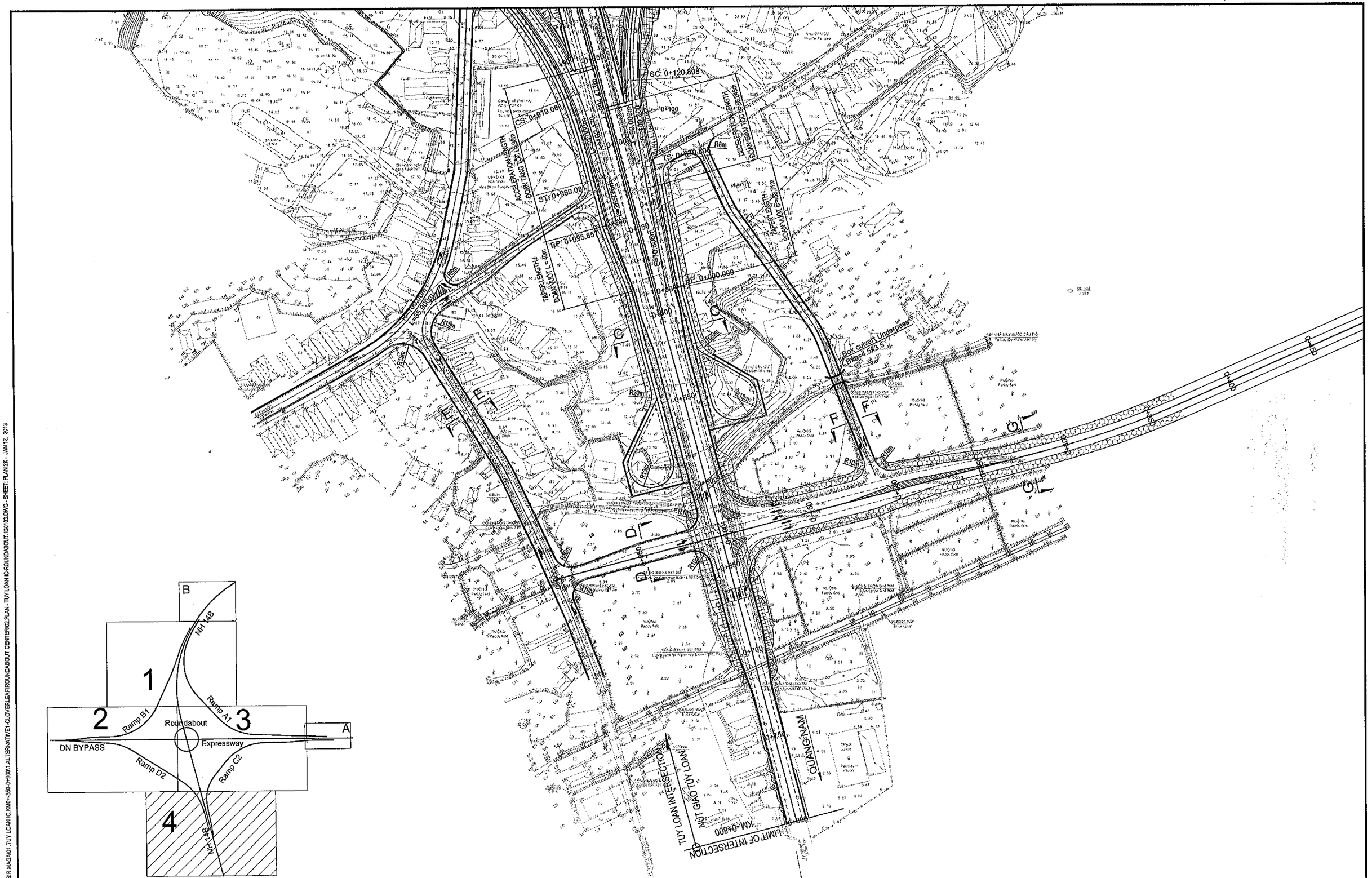
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO
SIGNATURE			
DATE			

TUY LOAN INTERSECTION

PLAN OF TUY LOAN INTERSECTION-PHASE 1 (3/4)

SCALE	DRAWING NO.	REV. NO.
1/2000	PKG1-IC-PP-040	3

000172

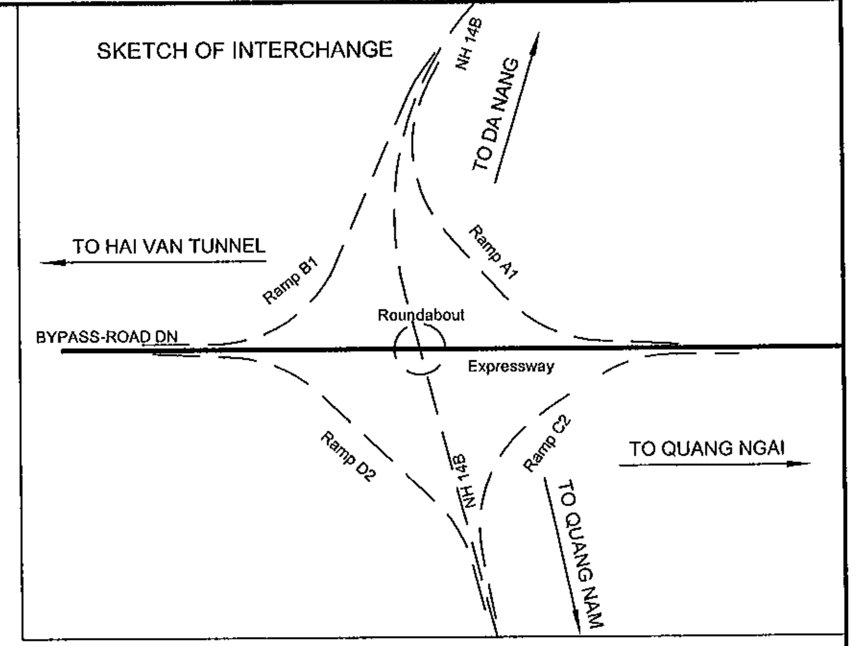


MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

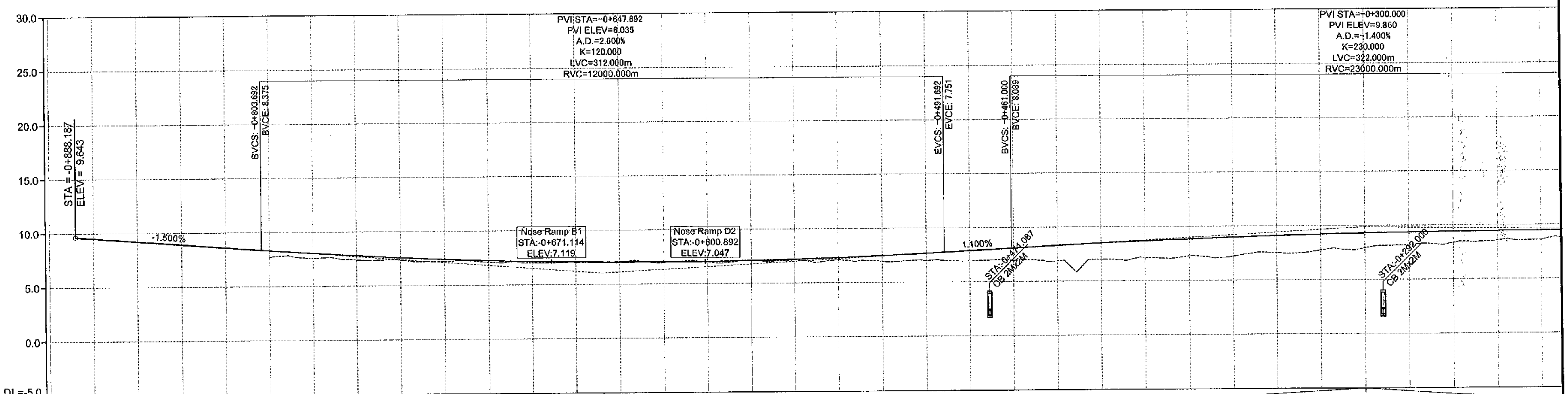
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN INTERSECTION		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PLAN OF TUY LOAN INTERSECTION-PHASE 1 (4/4)		
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/2000	PKG1-IC-PP-050	3

PATH - D:_02.CAREERGUN-QN PROJECT\SIR.MAGNO1.TUY LOAN IC.KMD~350-0+900\1.ALTERNATIVE1-CLOVERLEAF\ROUNDABOUT CENTER\02.PLAN - TUY LOAN IC-ROUNDABOUT.130105.DWG - SHEET: PLAN2K - JAN 12, 2013



PROFILE OF Expressway
TRẮC DỌC Expressway



PROFILE ĐỘ DỐC DỌC	9.643	i=-1.500% L=240.495m									
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	9.520	9.220	8.920	8.620	8.321	8.043	7.800	7.589	7.412	7.268	7.157
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN					7.689	7.567	7.407	7.378	7.212	7.115	7.009
STATION LÝ TRÌNH	-0+880.000	-0+860.000	-0+840.000	-0+820.000	-0+800.000	-0+780.000	-0+760.000	-0+740.000	-0+720.000	-0+700.000	-0+680.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	-880.000	-860.000	-840.000	-820.000	-800.000	-780.000	-760.000	-740.000	-720.000	-700.000 -698.188	-680.000
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG					L=1318.948m						

PROFILE ĐỘ DỐC DỌC		6.035								i=1.100% L=347.692m	
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	7.080	7.036	7.026	7.049	7.105	7.194	7.317	7.473	7.663	7.880	8.100
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	7.129	7.052	6.982	7.013	7.141	7.133	7.147	6.958	6.991	6.915	6.959
STATION LÝ TRÌNH	-0+660.000	-0+640.000	-0+620.000	-0+600.000	-0+580.000	-0+560.000	-0+540.000	-0+520.000	-0+500.000	-0+480.000	-0+460.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	-660.000	-640.000	-620.000	-600.000 -593.789	-580.000	-560.000	-540.000	-520.000	-500.000 -492.415	-480.000	-460.000
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG											

PROFILE ĐỘ DỐC DỌC								9.860				
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	8.310	8.503	8.679	8.837	8.978	9.102	9.208	9.297	9.368	9.422	9.458	9.477
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	6.873	6.986	7.154	7.262	7.230	7.526	7.736	7.929	8.157	8.372	8.568	8.601
STATION LÝ TRÌNH	-0+440.000	-0+420.000	-0+400.000	-0+380.000	-0+360.000	-0+340.000	-0+320.000	-0+300.000	-0+280.000	-0+260.000	-0+240.000	-0+220.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	-440.000	-420.000	-400.000 -388.721	-380.000	-360.000	-340.000	-320.000	-300.000	-283.843 -280.000	-260.000	-240.000	-220.000
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG												

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85	

REMARKS:

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

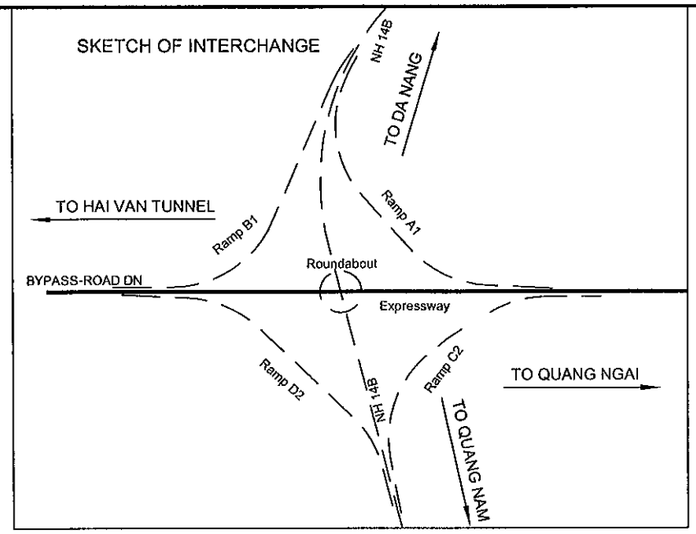
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO
SIGNATURE			
DATE			

TUY LOAN INTERSECTION-NÚT GIAO TÚY LOAN
PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH (1/3)

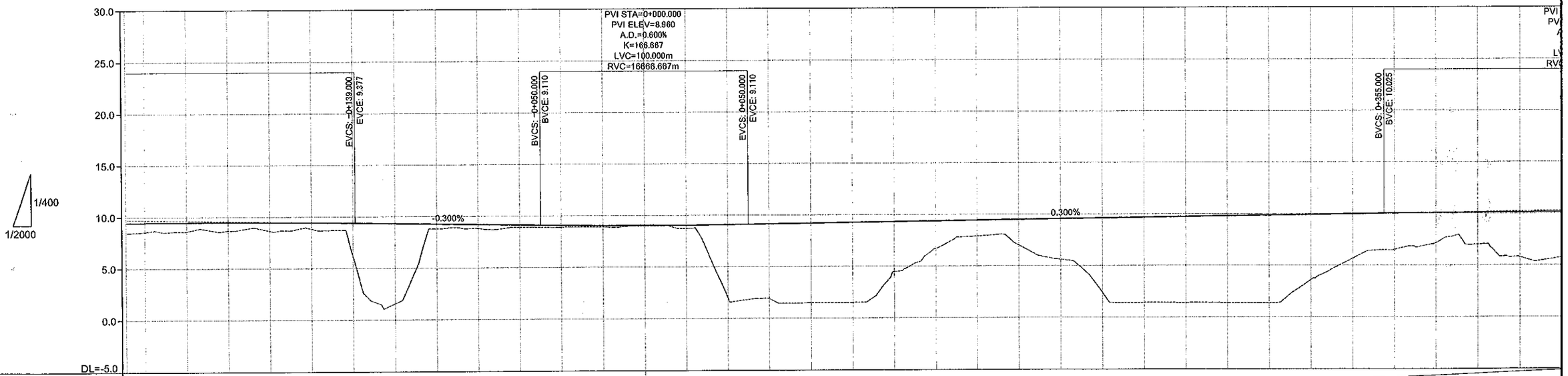
SCALE	DRAWING NO.	REV. NO.
AS SHOW	PKG1-IC-PP-060	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\01.TUY LOAN IC.KM0+-350-0+900\1.ALTERNATIVE1-CLOVERLEAF\ROUNDABOUT CENTER\EXPORT\LAST FILE\ACAD-03.PROFILE-DAYLIGHT-TUY LOAN IC-ROUNDABOUT.130112.DWG - SHEET: PROFILE - JAN 12, 2013

000174



PROFILE OF Expressway
TRẮC DỌC Expressway



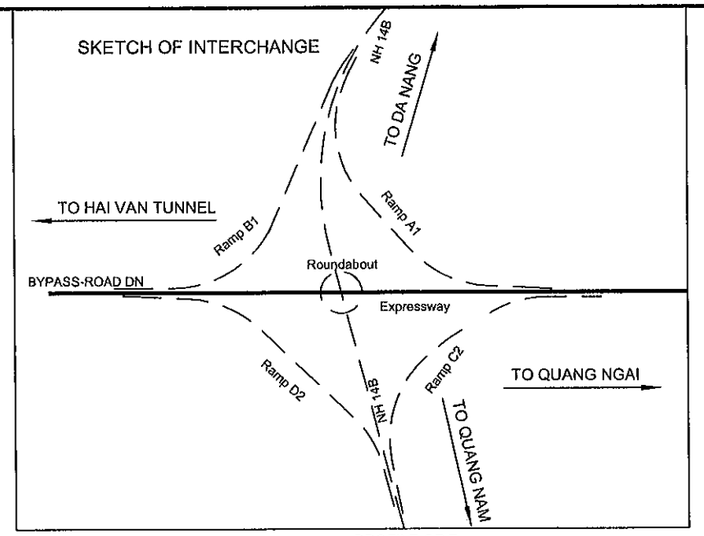
PROFILE ĐỘ DỐC DỌC	i=-0.300% L=300.000m													8.960								i=0.300% L=450.000m												
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	9.458	9.477	9.479	9.463	9.430	9.380	9.320	9.260	9.200	9.140	9.083	9.047	9.035	9.047	9.083	9.140	9.200	9.260	9.320	9.380	9.440	9.500	9.560	9.620	9.680	9.740	9.800	9.860	9.920	9.980	10.039	10.087	10.117	10.131
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	8.568	8.601	8.663	8.640	8.829	6.098	1.567	8.789	8.834	8.904	8.893	8.895	9.078	8.745	1.977	1.908	1.506	1.502	4.485	6.728	7.900	7.019	5.629	2.398	1.421	1.389	1.372	1.381	3.608	5.679	6.522	7.165	7.016	5.777
STATION LÝ TRÌNH	-0+240.000	-0+220.000	-0+200.000	-0+180.000	-0+160.000	-0+140.000	-0+120.000	-0+100.000	-0+080.000	-0+060.000	-0+040.000	-0+020.000	0+000.000	0+020.000	0+040.000	0+060.000	0+080.000	0+100.000	0+120.000	0+140.000	0+160.000	0+180.000	0+200.000	0+220.000	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000	0+400.000	0+420.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	-240. 000	-220. 000	-200. 000	-188. 884 -178. 884	-160. 000	-140. 000	-120. 000	-100. 000	-88. 588 -96. 588	-60. 000	-40. 000	-20. 000	0. 000	20. 000 24. 523	40. 000	80. 000	80. 000	100. 000	120. 000 124. 787	140. 000	160. 000	180. 000	200. 000	220. 000	235. 798 240. 000	260. 000	280. 000	300. 000	320. 000	340. 806	360. 000	380. 000	400. 000	420. 000
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG	L=1318.948m																																	L=1318.948m

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

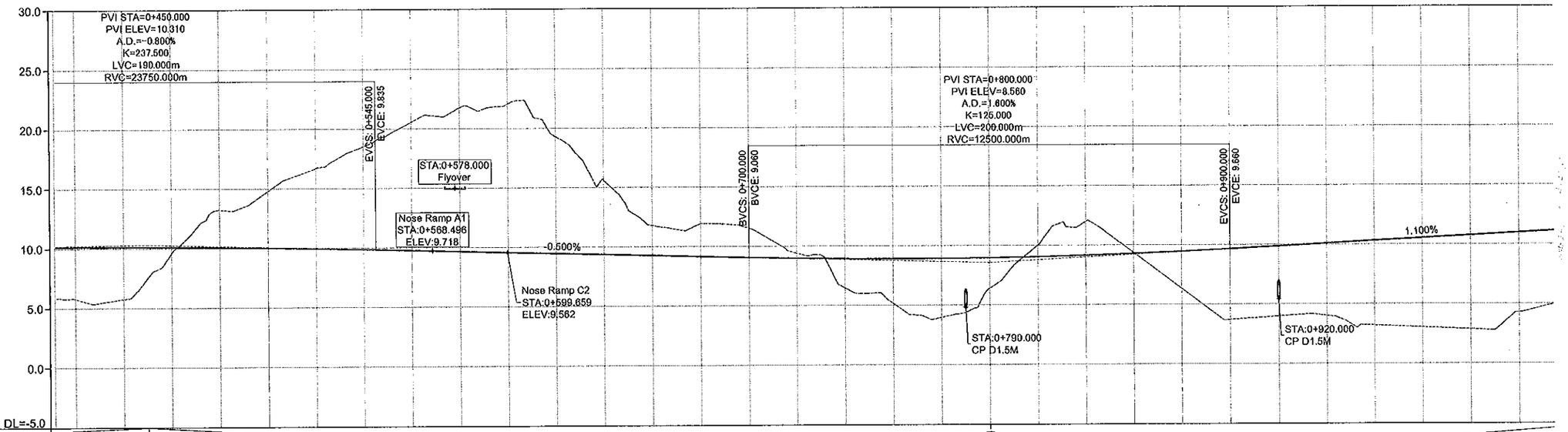
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN INTERSECTION-NÚT GIAO TÚY LOAN
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH (2/3)
SIGNATURE				SCALE: AS SHOW; DRAWING NO.: PKG1-IC-PP-070; REV. NO.: 3
DATE				

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGARIO\1.TUY LOAN IC-KM0+-350+0+900\1.ALTERNATIVE1-CLOVERLEAF\ROUNDABOUT CENTER\EXPORT\LAST FILE\ACAD-03.PROFILE-DAYLIGHT-TUY LOAN IC-ROUNDABOUT.130112.DWG - SHEET: PROFILE - JAN 12, 2013



PROFILE OF Expressway
TRẮC DỌC Expressway



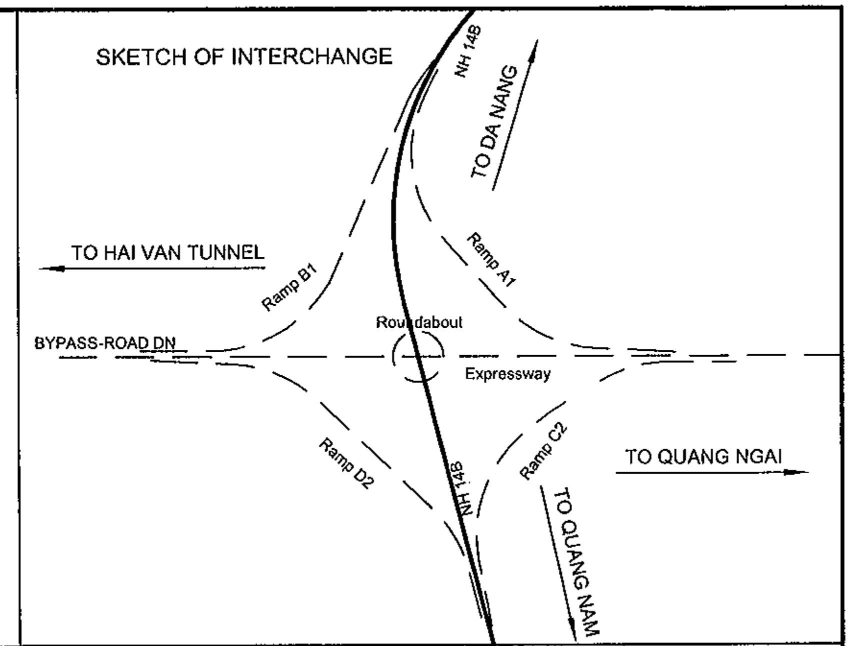
PROFILE ĐỘ DỐC DỌC		10.310										i=-0.500% L=350.000m										8.560									i=1.100% L=280.000m			
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	10.131	10.128	10.108	10.071	10.017	9.947	9.859	9.760	9.660	9.560	9.460	9.360	9.260	9.160	9.060	8.976	8.924	8.924	8.904	8.916	8.960	9.036	9.144	9.284	9.456	9.660	9.880	10.100	10.320	10.540	10.760	10.980	
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	5.777	5.754	9.593	13.221	14.780	16.694	18.521	20.567	21.751	22.060	19.308	15.601	11.789	11.943	11.530	9.398	6.467	5.157	3.962	6.399	10.010	11.983	9.360	6.324	3.708	3.994	4.031	3.205	3.043	2.874	4.288		
STATION LÝ TRÌNH	0+420.000	0+440.000	0+460.000	0+480.000	0+500.000	0+520.000	0+540.000	0+560.000	0+580.000	0+600.000	0+620.000	0+640.000	0+660.000	0+680.000	0+700.000	0+720.000	0+740.000	0+760.000	0+780.000	0+800.000	0+820.000	0+840.000	0+860.000	0+880.000	0+900.000	0+920.000	0+940.000	0+960.000	0+980.000	1+000.000	1+020.000			
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	420.000	440.000 442.939	460.000	480.000	500.000	520.000	540.000 544.009	560.000	580.000	600.000	620.000	640.000 645.077	660.000	680.000	700.000	720.000	740.000 746.194	760.000	780.000	800.000	820.000	840.000 849.558	860.000	880.000	900.000	920.000	940.000 950.168	960.000	980.000	1000.000	1020.000			
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG	1318.948m										A=678.233 L=230.000m																					R=2000m L=1662.337m		

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

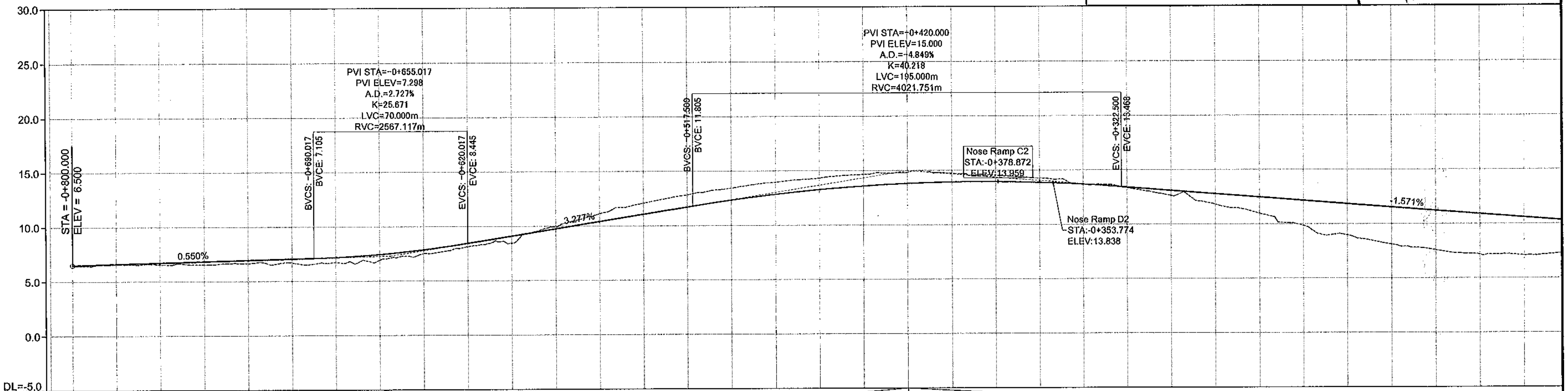
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN INTERSECTION-NÚT GIAO TÚY LOAN		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH (3/3)		
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG1-IC-PP-080	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGARIO\1.TUY LOAN IC.KM0+350-0+900\1.ALTERNATIVE1-CLOVER\1.EAP\ROUNDABOUT CENTER\EXPORT\LAST FILE\4.CAD\03.PROFILE-DUY\LIGHT-TUY LOAN IC-ROUNDABOUT.19312.DWG - SHEET: PROFILE - JAN 12, 2013



PROFILE OF NH14B
TRẮC DỌC NH14B



PROFILE / ĐỘ DỐC DỌC: 6.500 — i=0.550%, L=144.983m — 7.298 — i=3.277%, L=235.017m — 15.000 — i=-1.571%, L=386.069m

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
-0+810.000			-810.000
-0+800.000	6.500	6.505	
-0+780.000	6.610	6.609	-780.000
-0+760.000	6.720	6.550	-760.000
-0+740.000	6.830	6.536	-740.000
-0+720.000	6.940	6.657	-720.000
			-709.487
-0+700.000	7.050	6.705	-700.000
-0+680.000	7.180	6.739	-680.000
-0+660.000	7.446	6.915	-660.000
-0+640.000	7.868	7.520	-640.000
-0+620.000	8.446	8.141	-620.000
			-608.515
-0+600.000	9.101	8.463	-600.000
-0+580.000	9.756	9.942	-580.000
-0+560.000	10.412	11.118	-560.000
-0+540.000	11.067	12.079	-540.000
-0+520.000	11.723	12.845	-520.000
			-503.679
-0+500.000	12.340	13.438	-500.000
-0+480.000	12.859	13.972	-480.000
-0+460.000	13.278	14.336	-460.000
-0+440.000	13.598	14.658	-440.000
-0+420.000	13.818	14.838	-420.000
-0+400.000	13.939	14.746	-400.000 / -400.588
-0+380.000	13.960	14.559	-380.000
-0+360.000	13.882	14.273	-360.000
-0+340.000	13.705	13.694	-340.000
-0+320.000	13.429	13.386	-320.000
-0+300.000	13.114	12.639	-300.000 / -300.098
-0+280.000	12.800	11.836	-280.000
-0+260.000	12.486	10.977	-260.000
-0+240.000	12.171	9.861	-240.000
-0+220.000	11.857	8.975	-220.000
-0+200.000	11.543	8.125	-200.000
			-197.290
-0+180.000	11.229	7.590	-180.000
-0+160.000	10.914	7.155	-160.000
-0+140.000	10.600	7.090	-140.000

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=894.473m

SUPER ELEVATION / SIÊU CAO: -2.000% / -2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO
SIGNATURE	(signed)	(signed)	(signed)
DATE			

TUY LOAN INTERSECTION-NÚT GIAO TÚY LOAN
PROFILE OF NH14B-TRẮC DỌC QL14B (1/3)

SCALE	DRAWING NO.	REV. NO.
AS SHOW	PKG1-IC-PP-090	3

PATH - D1_02.CAREER\DN-QN PROJECT\SIR.MAGA\01.TUY LOAN IC.KM0+-350-0+900\1.ALTERNATIVE1-CLOVERLEAF\ROUNDABOUT CENTER\EXPORT\LAST FILE\ACAD-03.PROFILE-DAYLIGHT-TUY LOAN IC-ROUNDABOUT.130112.DWG - SHEET: PROFILE - JAN 12, 2013

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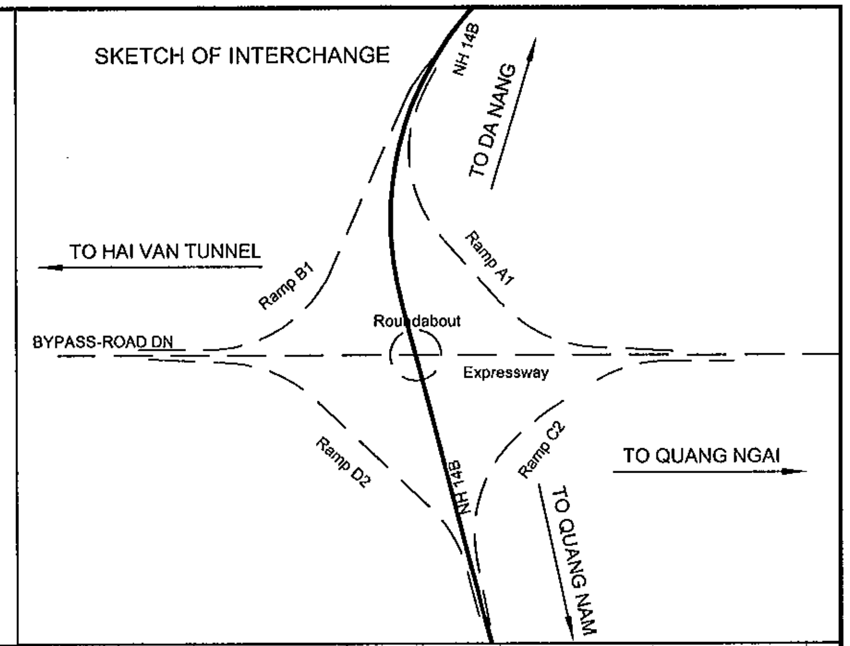
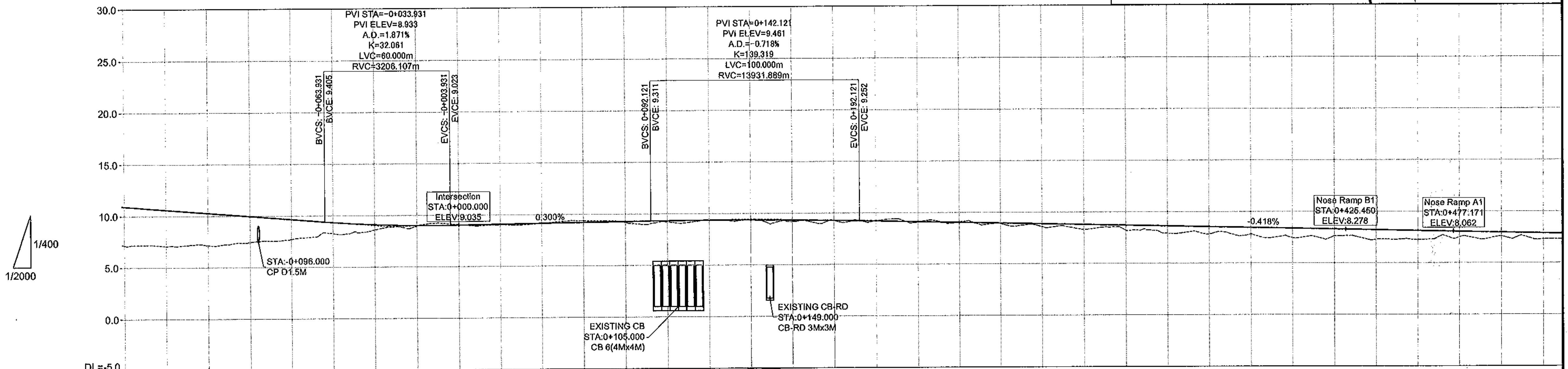


PROFILE OF NH14B
TRẮC DỌC NH14B



PROFILE / ĐỘ DỐC DỌC: 8.933 — i=0.300% L=176.052m — 9.461 — i=-0.418% L=437.879m

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
-0+160.000	10.914	7.155	-160.000
-0+140.000	10.600	7.090	-140.000
-0+120.000	10.286	7.159	-120.000
-0+100.000	9.971	7.446	-100.000
			-93.297
-0+080.000	9.657	7.715	-80.000
-0+060.000	9.345	8.265	-60.000
-0+040.000	9.118	8.601	-40.000
-0+020.000	9.015	8.962	-20.000
0+000.000	9.035	9.074	0.000
			8.460
0+020.000	9.095	9.050	20.000
0+040.000	9.155	9.161	40.000
0+060.000	9.215	9.376	60.000
0+080.000	9.275	9.195	80.000
0+100.000	9.333	9.211	100.000
			110.279
0+120.000	9.367	9.381	120.000
0+140.000	9.373	9.370	140.000
0+160.000	9.350	9.189	160.000
0+180.000	9.298	9.268	180.000
0+200.000	9.220	9.260	200.000
			210.609
0+220.000	9.136	9.097	220.000
0+240.000	9.052	9.078	240.000
0+260.000	8.969	8.927	260.000
0+280.000	8.885	8.588	280.000
0+300.000	8.802	8.310	300.000
			311.818
0+320.000	8.718	8.223	320.000
0+340.000	8.635	7.905	340.000
0+360.000	8.551	7.823	360.000
0+380.000	8.468	7.825	380.000
0+400.000	8.384	7.460	400.000
			413.480
0+420.000	8.300	7.607	420.000
0+440.000	8.217	7.286	440.000
0+460.000	8.133	7.241	460.000
0+480.000	8.050	7.502	480.000
0+500.000	7.966	7.592	500.000
			513.713
0+520.000	7.883	7.289	520.000

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: A=225.278 L=70.000m

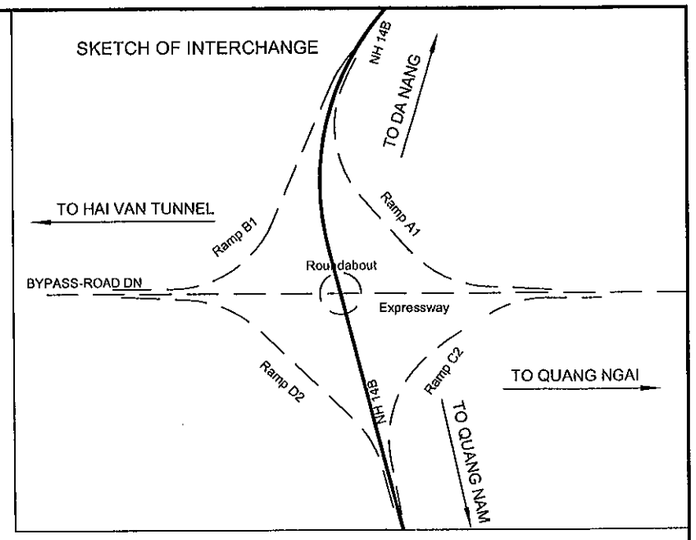
SUPER ELEVATION / SIÊU CAO: -2.000% / 0+094.473 / -2.000% — 2.000% / 0+164.473 / -2.000%

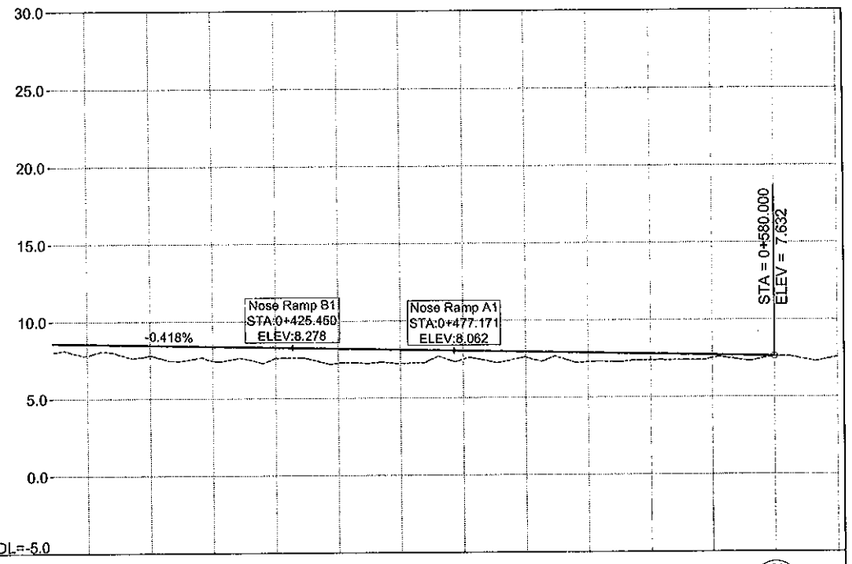
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN INTERSECTION-NÚT GIAO TÚY LOAN PROFILE OF NH14B-TRẮC DỌC QL14B (2/3)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE	[signature]	[signature]	[signature]	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG1-IC-PP-100	3

PATH - D1_02.CAREER\DN-QN PROJECTS\R.MAGA\01.TUY LOAN IC.KM0+-350-0+900\1.ALTERNATIVE1-CLOVERLEAF\ROUNDABOUT CENTER\EXPORT\LAST FILE\ACAD-03.PROFILE-DAYLIGHT-TUY LOAN IC-ROUNDABOUT.130112.DWG - SHEET: PROFILE - JAN 12, 2013





1/400
1/2000

PROFILE ĐỘ DỐC DỌC	i=-0.418% L=437.879m												(7.632)	
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	8.551	8.468	8.384	8.300	8.217	8.133	8.050	7.966	7.883	7.799	7.716	7.632		
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	7.823	7.825	7.460	7.607	7.286	7.241	7.502	7.592	7.289	7.389	7.510	7.608	7.571	
STATION LÝ TRÌNH	0+360.000	0+380.000	0+400.000	0+420.000	0+440.000	0+460.000	0+480.000	0+500.000	0+520.000	0+540.000	0+560.000	0+580.000	0+600.000	
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	360. 000	380. 000	400. 000	413. 480	420. 000	440. 000	460. 000	480. 000	500. 000	513. 713	520. 000	540. 000	560. 000	580. 000
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG	L=819.954m R=725.000m													
SUPER ELEVATION SIÊU CAO	2.000% -2.000%													

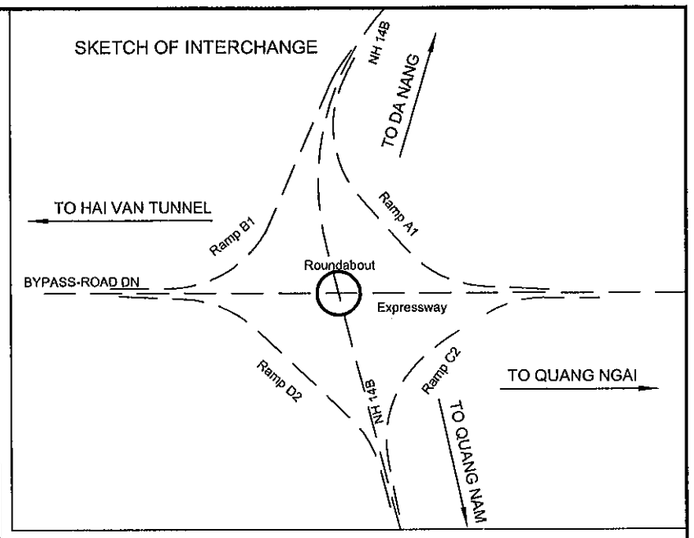
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

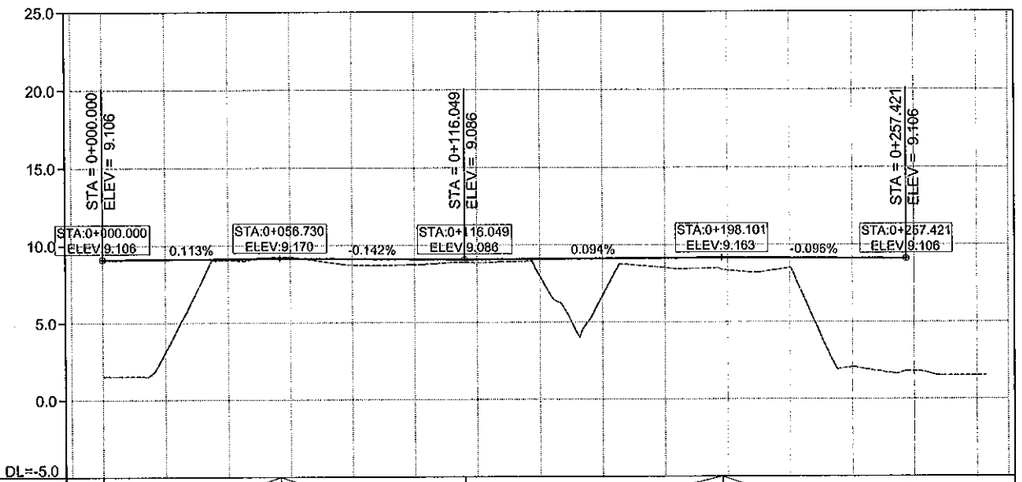
	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN INTERSECTION-NÚT GIAO TÚY LOAN	
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF NH14B-TRẮC DỌC QL14B (3/3)	
SIGNATURE				SCALE	DRAWING NO. / REV. NO.
DATE				AS SHOW	PKG1-IC-PP-110 / 3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR\MAGA\01.TUY LOAN IC\KM0~350+900\01.ALTERNATIVE\1-CLOVERLEAF\ROUNDABOUT CENTER\EXPORT\LAST FILE\ACAD-03.PROFILE-DAYLIGHT-TUY LOAN IC-ROUNDABOUT.130112.DWG - SHEET: PROFILE - JAN 12, 2013

SKETCH OF INTERCHANGE



PROFILE OF Roundabout Center
TRẮC DỌC Roundabout Center



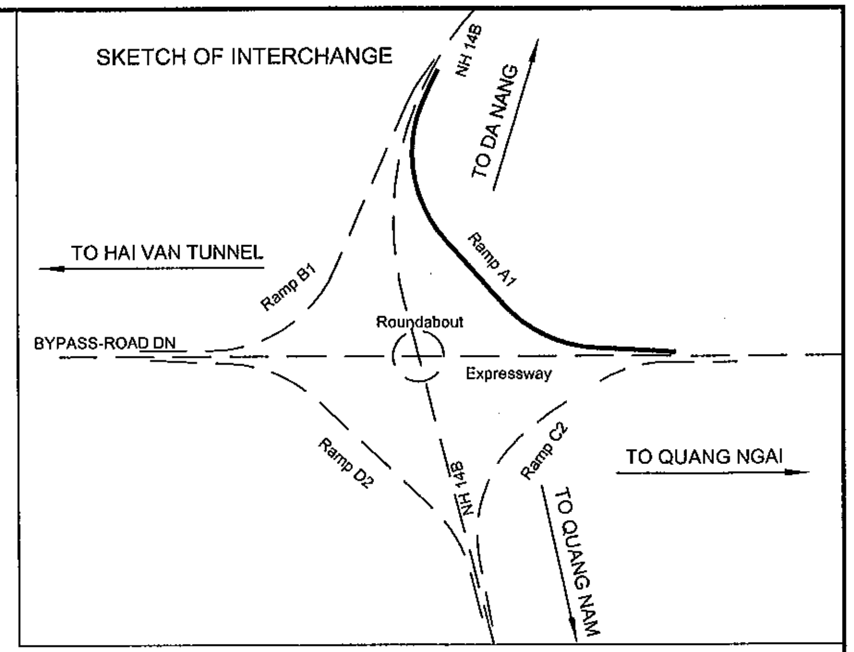
1/400
1/2000

PROFILE ĐỘ DỐC DỌC	(9.106)	i=0.113% L=56.730m		(9.170)	i=-0.142% L=59.319m		(9.086)	i=0.094% L=82.052m			(9.163)	i=-0.096% L=59.320m		(9.106)			
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	9.106	9.129	9.151	9.165	9.137	9.109	9.090	9.108	9.127	9.146	9.161	9.142	9.123				
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	1.529	3.131	9.055	9.255	8.739	8.749	8.868	7.978	6.736	8.523	8.355	8.489	2.070	1.803	1.526		
STATION LÝ TRÌNH	-0+010.000	0+000.000	0+020.000	0+040.000	0+060.000	0+080.000	0+100.000	0+120.000	0+140.000	0+160.000	0+180.000	0+200.000	0+220.000	0+240.000	0+260.000	0+280.000	0+290.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	-10.000		20.000	40.000	60.000	80.000	90.478	100.000	120.000	140.000	160.000	180.000	192.265	200.000	220.000	240.000	260.000	280.000	290.000
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG																	
SUPER ELEVATION SIÊU CAO	-2.000%													-2.000%			
										0+157.080							
	2.000%													2.000%			

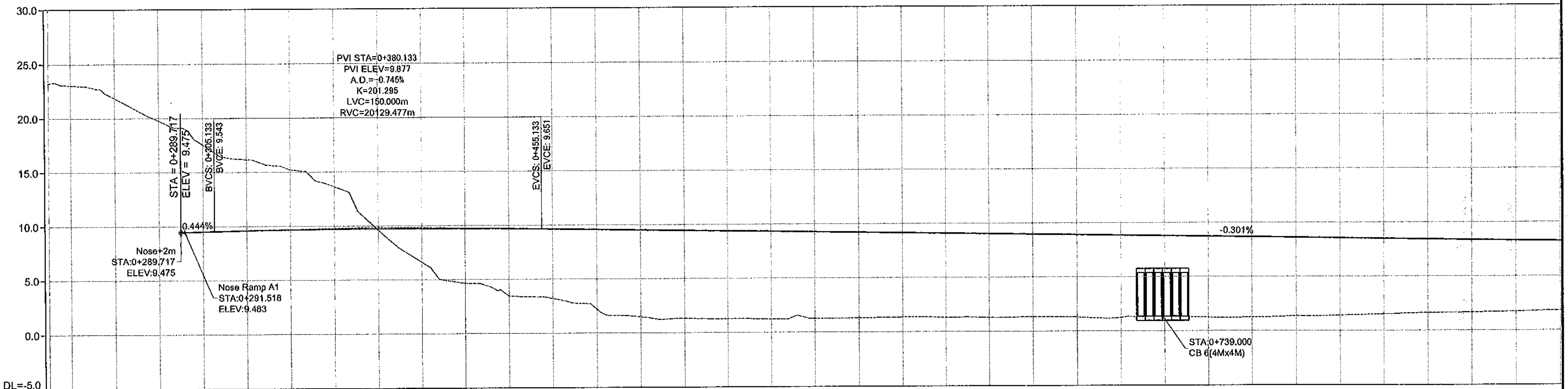
MINISTRY OF TRANSPORT VIETNAM	ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: Station:
CLIENT: VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT CONSULTANT: PROJECT MANAGEMENT UNIT NO.85	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	TUY LOAN INTERSECTION-NÚT GIAO TÚY LOAN PROFILE OF ROUNDABOUT-TRẮC DỌC ĐẢO XUYẾN

	PREPARED BY	CHECKED BY	APPROVED BY	SCALE	DRAWING NO.	REV. NO.
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	AS SHOW	PKG1-IC-PP-120	3
SIGNATURE						
DATE						

PATH - D:_02.CAREER\ON-GOING PROJECTS\IR.MAGA\01.TUY LOAN IC,KM0+350-0+900\1.ALTERNATIVE1-CLOVERLEAF\ROUNDABOUT CENTER\EXPORT\LAST FILE\ACAD-03.PROFILE-DAYLIGHT-TUY LOAN IC-ROUNDABOUT.13012.DWG - SHEET: PROFILE - JAN 12, 2013



PROFILE OF RAMP A1
TRẮC DỌC RAMP A1



PROFILE / ĐỘ DỐC DỌC: 9.475 — i=0.444%, L=90.416m — 9.877 — i=-0.301%, L=710.891m

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
0+230.000		23.244	
0+240.000		23.045	240.000
0+260.000		21.865	260.000
0+280.000		19.784	280.000
0+300.000	9.521	17.550	300.000
0+320.000	9.604	16.164	320.000
0+340.000	9.668	15.231	335.723 340.000
0+360.000	9.712	13.642	360.000
0+380.000	9.737	9.619	380.000
0+400.000	9.741	6.614	400.000
0+420.000	9.726	4.654	420.000
0+440.000	9.691	3.463	435.836 440.000
0+460.000	9.636	3.208	460.000
0+480.000	9.576	2.203	480.000
0+500.000	9.516	1.482	500.000
0+520.000	9.456	1.321	520.000
0+540.000	9.395	1.275	537.221 540.000
0+560.000	9.335	1.228	560.000
0+580.000	9.275	1.271	580.000
0+600.000	9.215	1.295	600.000
0+620.000	9.155	1.353	620.000
0+640.000	9.094	1.313	638.886 640.000
0+660.000	9.034	1.290	660.000
0+680.000	8.974	1.333	680.000
0+700.000	8.914	1.298	700.000
0+720.000	8.854	1.261	720.000
0+740.000	8.794	1.356	740.000 744.025
0+760.000	8.733	1.246	760.000
0+780.000	8.673	1.244	780.000
0+800.000	8.613	1.371	800.000
0+820.000	8.553	1.402	820.000
0+840.000	8.493	1.508	840.000 845.492
0+860.000	8.432	1.629	860.000
0+880.000	8.372	1.669	880.000
0+900.000	8.312	1.738	900.000
0+920.000	8.252	1.832	920.000

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=186.066m | A=134.164, L=60.000m | L=171.503m, R=300.000m | A=134.164, L=60.000m | L=152.992m | A=122.474, L=60.000m

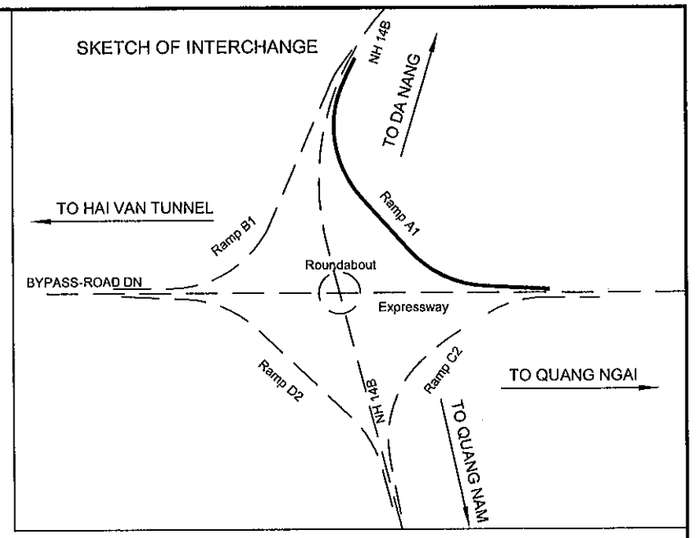
SUPER ELEVATION / SIÊU CAO: 2.000% / -2.000% | 0+412.654 | 2.000% / -2.000% | 0+678.340 | 2.000% / -2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

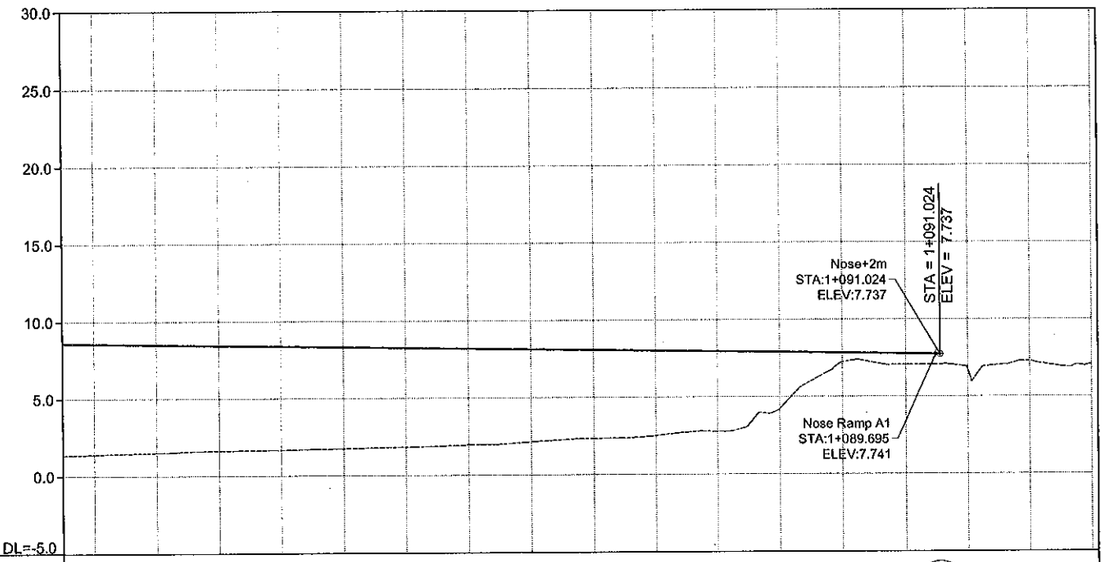
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN INTERSECTION-NÚT GIAO TÚY LOAN		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP A1-TRẮC DỌC NHÁNH A1 (1/2)		
SIGNATURE	[signature]	[signature]	[signature]	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG1-IC-PP-130	3

PATH - D1_02.CAREER\DN-QN PROJECT\SIR.MAGA\01.TUY LOAN IC.KM0+-350-0+900\1.ALTERNATIVE1-CLOVERLEAF\ROUNDABOUT CENTER\EXPORT\LAST FILE\ACAD-03.PROFILE-DAYLIGHT-TUY LOAN IC-ROUNDABOUT.130112.DWG - SHEET: PROFILE - JAN 12, 2013



PROFILE OF RAMP A1
TRẮC DỌC RAMP A1



1/400
1/2000

PROFILE ĐỘ DỐC DỌC	7.737																			
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	8.553	8.493	8.432	8.372	8.312	8.252	8.192	8.131	8.071	8.011	7.951	7.891	7.830	7.770						
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	1.402	1.508	1.629	1.669	1.738	1.832	1.978	2.148	2.345	2.520	2.768	4.219	7.237	7.047	6.743	7.265	7.087			
STATION LÝ TRÌNH	0+820.000	0+840.000	0+860.000	0+880.000	0+900.000	0+920.000	0+940.000	0+960.000	0+980.000	1+000.000	1+020.000	1+040.000	1+060.000	1+080.000	1+100.000	1+120.000	1+140.000			
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	820.000	840.000	845.492	860.000	880.000	900.000	920.000	940.000	948.337	960.000	980.000	1000.000	1008.535	1020.000	1040.000	1050.191	1060.000	1080.000	1100.000	1120.000
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG				A=122.474 L=60.000m							L=206.087m R=250.000m									
SUPER ELEVATION SIÊU CAO	2.000%																2.000%			
	-2.000%																-2.000%			

MINISTRY OF TRANSPORT VIETNAM	ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT: VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT CONSULTANT: PROJECT MANAGEMENT UNIT NO.85	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.

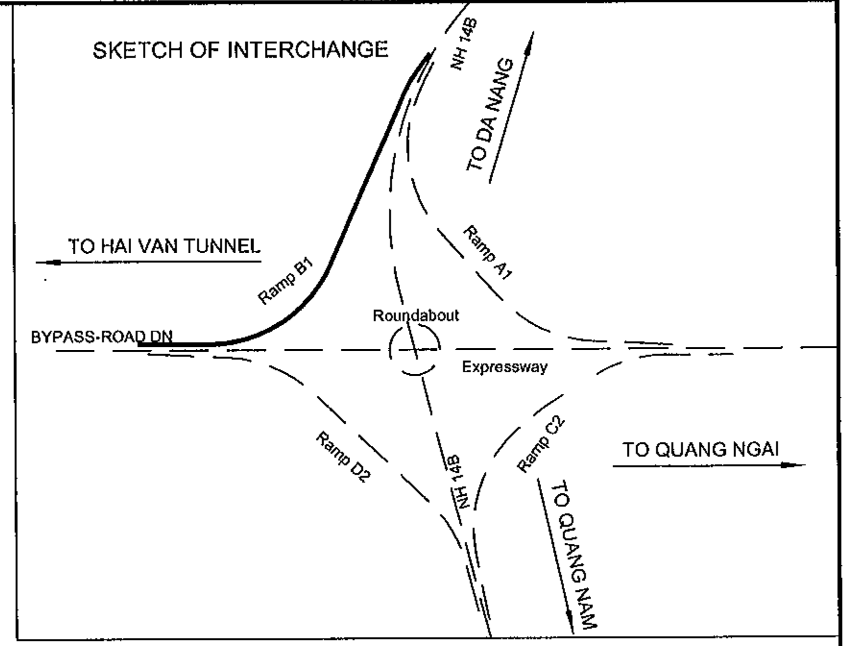
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO
SIGNATURE			
DATE			

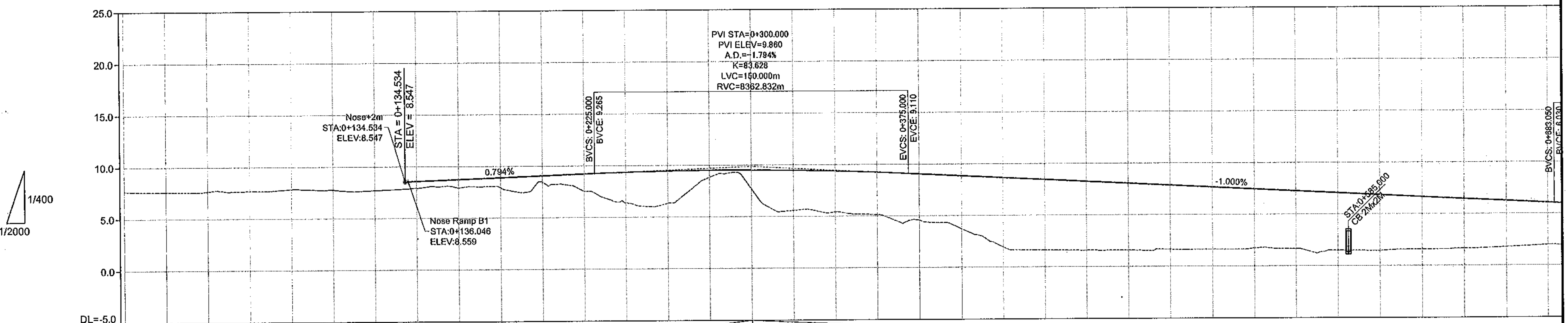
TUY LOAN INTERSECTION-NÚT GIAO TÚY LOAN
PROFILE OF RAMP A1-TRẮC DỌC NHÁNH A1 (2/2)

SCALE	DRAWING NO.	REV. NO.
AS SHOW	PKG1-IC-PP-140	3

PATH - DL_02.CAREER/DN-CN PROJECT/SIR.MAGARIO: TUY LOAN IC.KH0+350-0-90011.ALTERNATIVE1-CLOVERLEAF/ROUNDABOUT CENTER/EXPORT/LAST FILE/A2-A2-03.PROFILE-EXAY.LIGHT-TUY LOAN IC-ROUNDABOUT.DWG - SHEET: PROFILE - JAN 12, 2013



PROFILE OF RAMP B1
TRẮC DỌC RAMP B1



PROFILE / ĐỘ DỐC DỌC: 8.547 — i=0.794%, L=165.466m — 9.860 — i=-1.000%, L=458.050m

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
0+000.000		7.672	
0+020.000		7.602	20.000
0+040.000		7.664	40.000
0+060.000		7.671	60.000
0+080.000		7.855	80.000
0+100.000		7.776	100.000 / [illegible]
0+120.000		7.710	120.000
0+140.000	8.590	7.920	140.000
0+160.000	8.749	7.935	160.000
0+180.000	8.908	7.939	180.000
0+200.000	9.067	8.469	200.000 / 202.709
0+220.000	9.225	7.546	220.000
0+240.000	9.371	6.405	240.000
0+260.000	9.470	6.331	260.000
0+280.000	9.521	8.827	280.000
0+300.000	9.524	7.698	300.000 / 303.760
0+320.000	9.479	5.600	320.000
0+340.000	9.387	5.426	340.000
0+360.000	9.247	5.126	360.000
0+380.000	9.060	4.576	380.000
0+400.000	8.860	3.726	400.000 / 405.490
0+420.000	8.660	1.949	420.000
0+440.000	8.460	1.632	440.000
0+460.000	8.260	1.595	460.000
0+480.000	8.060	1.591	480.000
0+500.000	7.860	1.643	500.000 / 506.092
0+520.000	7.660	1.635	520.000
0+540.000	7.460	1.744	540.000
0+560.000	7.260	1.670	560.000
0+580.000	7.060	1.493	580.000
0+600.000	6.860	1.466	600.000 / 606.561
0+620.000	6.660	1.581	620.000
0+640.000	6.460	1.644	640.000
0+660.000	6.260	1.788	660.000
0+680.000	6.060	1.991	680.000

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=32.906m | L=35.319m, R=600.000m | A=158.387, L=41.810m | A=158.387, L=41.810m | L=99.736m, R=600.000m | L=86.514m | A=144.914, L=60.000m | L=325.217m, R=350.000m

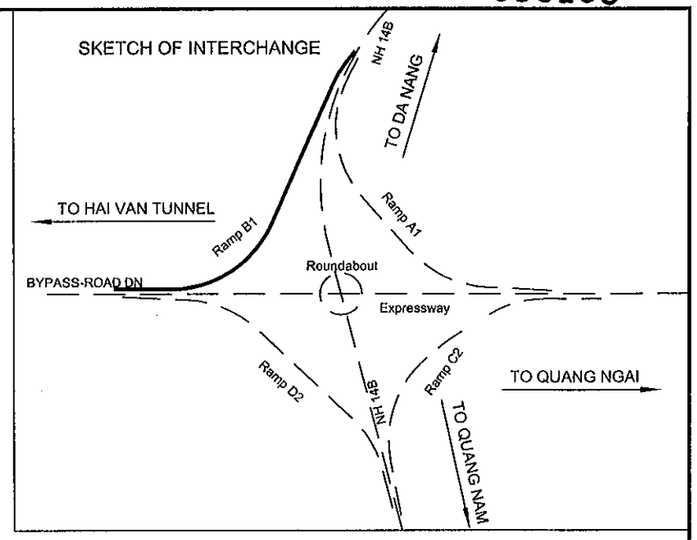
SUPER ELEVATION / SIÊU CAO: 2.000% / -2.000% | 0.000% 0+153.546 0.000% | 2.000% / -2.000% | 2.000% 0+248.249 -2.000% | 2.000% / -2.000%

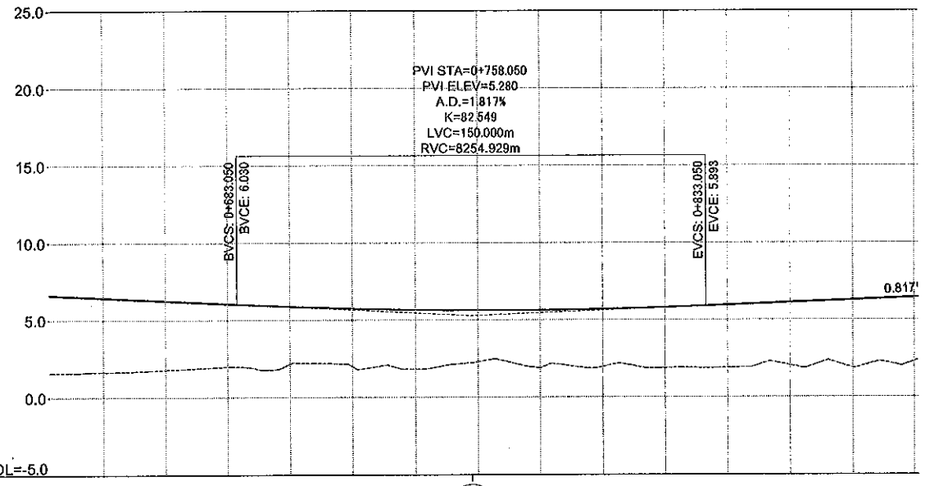
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN INTERSECTION-NÚT GIAO TÚY LOAN		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP B1-TRẮC DỌC NHÁNH B1 (1/2)		
SIGNATURE	[signature]	[signature]	[signature]	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG1-IC-PP-150	3

PATH - D1_02.CAREER\DN-QN PROJECTS\R.MAGA\01.TUY LOAN IC.KM0+-350-0+900\1.ALTERNATIVE1-CLOVERLEAF\ROUNDABOUT CENTER\EXPORT\LAST FILE\ACAD-03.PROFILE-DAYLIGHT-TUY LOAN IC-ROUNDABOUT.130112.DWG - SHEET: PROFILE - JAN 12, 2013





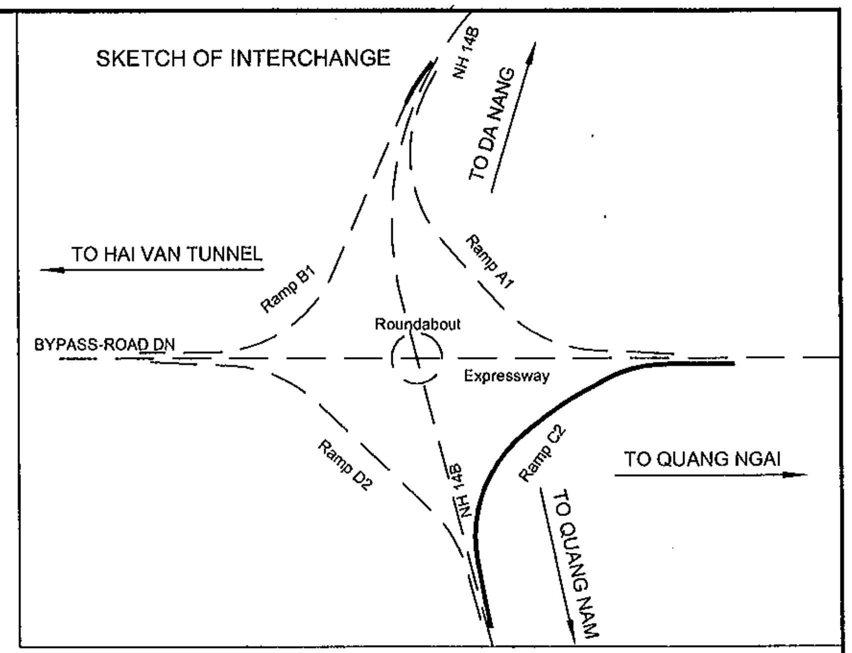
1/400
1/2000

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

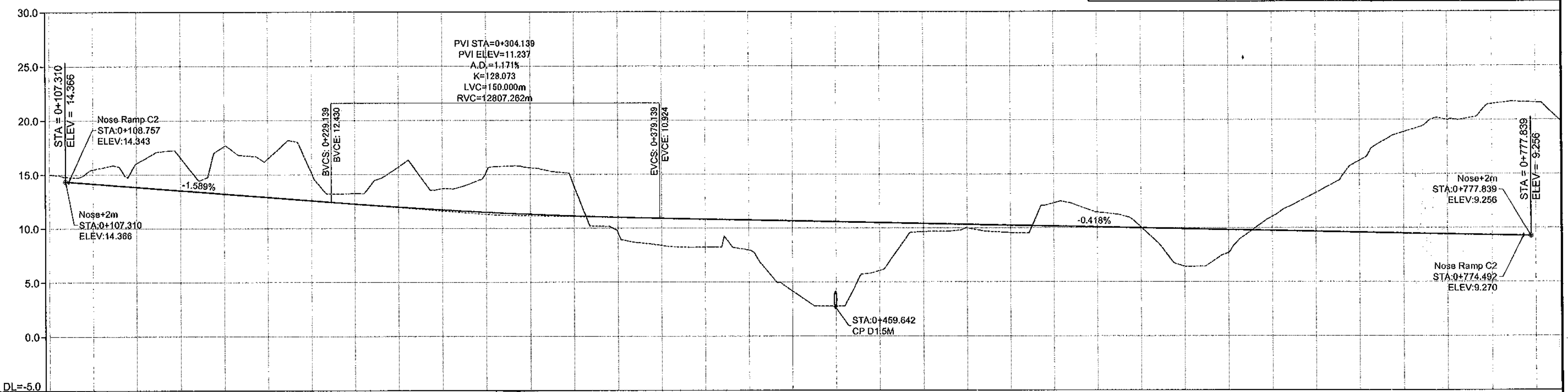
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN INTERSECTION-NÚT GIAO TÚY LOAN		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP B1-TRẮC DỌC NHÁNH B1 (2/2)		
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG1-IC-PP-160	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\01.TUY LOAN IC,KM0+~350-D+900\1.ALTERNATIVE1-CLOVERLEAF\ROUND4\BOUT CENTER\EXPORT\LAST FILE\ACAD-03.PROFILE-DAYLIGHT-TUY LOAN IC-ROUNDABOUT.130112.DWG - SHEET: PROFILE - JAN 12, 2013



PROFILE OF RAMP C2
TRẮC DỌC RAMP C2



PROFILE / ĐỘ DỐC DỌC: (14.366) i=-1.589% L=196.829m (11.237) i=-0.418% L=473.700m (9.256)

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
0+100.000		15.032	
0+120.000	14.164	15.479	120.000
0+140.000	13.846	16.037	140.000
0+160.000	13.528	16.575	160.000
0+180.000	13.211	17.623	180.000
0+200.000	12.893	16.465	200.000 / 202.805
0+220.000	12.575	15.147	220.000
0+240.000	12.262	13.234	240.000
0+260.000	11.976	15.701	260.000
0+280.000	11.722	13.693	280.000
0+300.000	11.499	15.221	300.000 / 303.055
0+320.000	11.308	15.627	320.000
0+340.000	11.147	13.929	340.000
0+360.000	11.018	9.582	360.000
0+380.000	10.920	8.405	380.000
0+400.000	10.836	8.247	400.000 / 403.513
0+420.000	10.753	7.970	420.000
0+440.000	10.669	4.161	440.000
0+460.000	10.585	2.768	460.000
0+480.000	10.502	6.062	480.000
0+500.000	10.418	9.657	500.000 / 504.556
0+520.000	10.335	10.001	520.000
0+540.000	10.251	9.562	540.000 / 543.528
0+560.000	10.167	12.314	560.000
0+580.000	10.084	11.441	580.000
0+600.000	10.000	10.068	600.000 / 608.240
0+620.000	9.916	6.418	620.000
0+640.000	9.833	7.701	640.000
0+660.000	9.749	11.043	660.000
0+680.000	9.665	13.252	680.000
0+700.000	9.582	16.234	700.000 / 709.520
0+720.000	9.498	18.881	720.000
0+740.000	9.414	20.006	740.000
0+760.000	9.331	21.470	760.000
0+780.000		21.589	780.000

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=148.376m R=200.000m; A=100.000 L=50.000m; L=80.458m; A=134.164 L=60.000m; L=167.771m R=300.000m; A=134.164 L=60.000m; L=12.500m; L=96.062m R=1200.000m

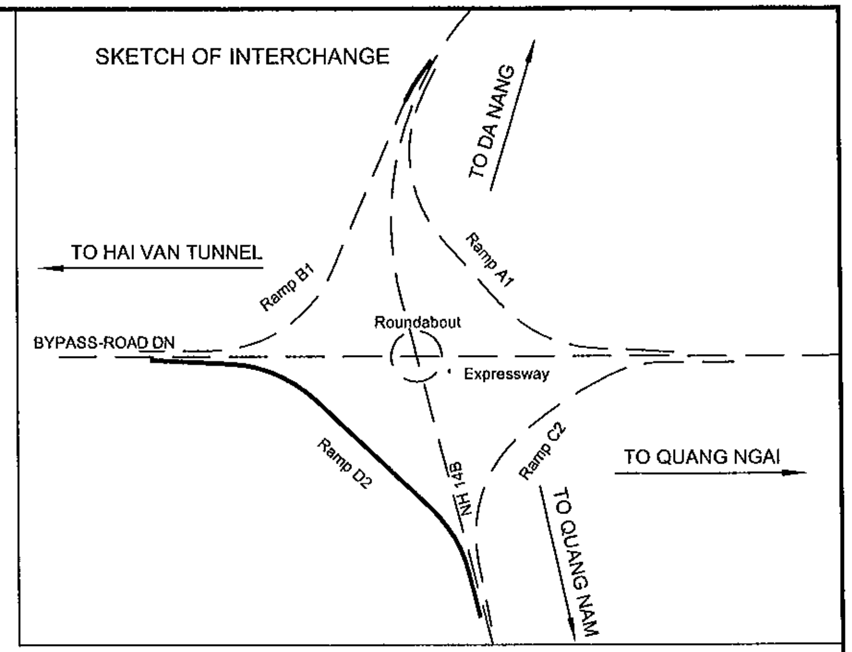
SUPER ELEVATION / SIÊU CAO: 2.000% / 0+132.850 / -2.000%; 2.000% / 0+359.985 / -2.000%; 2.000% / 0+607.366 / -2.000%; 2.000% / 0+754.724 / -2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

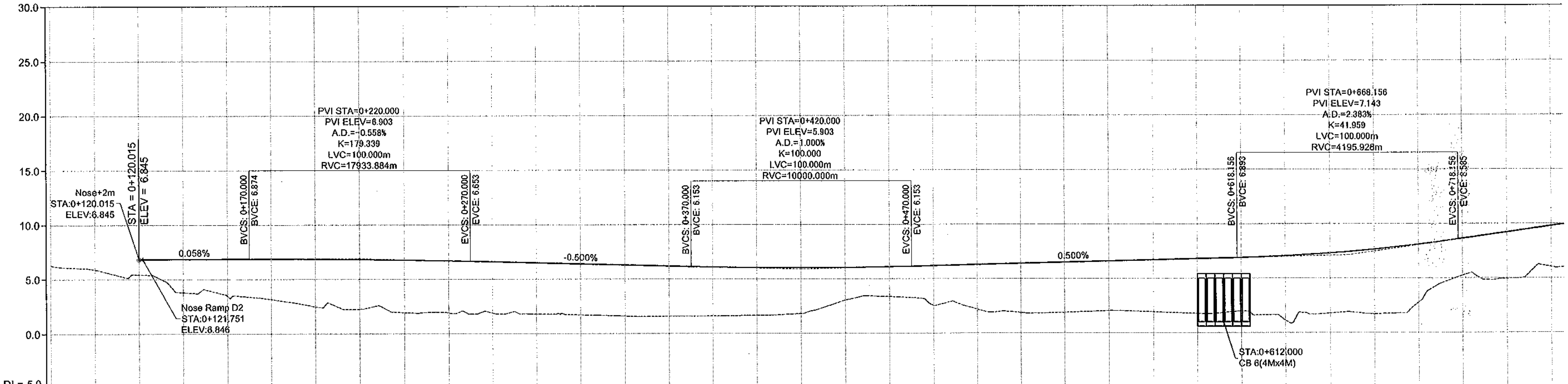
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN INTERSECTION-NÚT GIAO TÚY LOAN		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP C2-TRẮC DỌC NHÁNH C2		
SIGNATURE	[signature]	[signature]	[signature]	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG1-IC-PP-170	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\01.TUY LOAN IC.KM0+-350-0+900\1.ALTERNATIVE1-CLOVERLEAF\ROUNDABOUT CENTER\EXPORT\LAST FILE\ACAD-03.PROFILE-DAYLIGHT-TUY LOAN IC-ROUNDABOUT.130112.DWG - SHEET: PROFILE - JAN 12, 2013



PROFILE OF RAMP D2
TRẮC DỌC RAMP D2



PROFILE / ĐỘ DỐC DỌC: 6.845 — I=0.058% L=99.985m — 6.903 — I=-0.500% L=200.000m — 5.903 — I=0.500% L=248.156m — 7.143

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
0+080.000		6.286	
0+100.000		5.908	100.000
0+120.000		5.441	120.000
0+140.000	6.857	3.803	140.000
0+160.000	6.868	3.477	160.000
0+180.000	6.877	3.161	180.000
			186.746
0+200.000	6.866	2.489	200.000
0+220.000	6.833	2.266	220.000
0+240.000	6.778	1.955	240.000
0+260.000	6.700	1.921	260.000
0+280.000	6.603	1.899	280.000
			288.005
0+300.000	6.503	1.799	300.000
0+320.000	6.403	1.717	320.000
0+340.000	6.303	1.612	340.000
0+360.000	6.203	1.596	360.000
0+380.000	6.108	1.613	380.000
			388.875
0+400.000	6.048	1.659	400.000
0+420.000	6.028	1.818	420.000
0+440.000	6.048	3.049	440.000
0+460.000	6.108	3.375	460.000
0+480.000	6.203	2.526	480.000
			493.310
0+500.000	6.303	2.202	500.000
0+520.000	6.403	1.886	520.000
0+540.000	6.503	1.896	540.000
0+560.000	6.603	2.046	560.000
0+580.000	6.703	1.928	580.000
0+600.000	6.803	1.773	600.000
			604.324
0+620.000	6.903	1.987	620.000
0+640.000	7.059	1.150	640.000
0+660.000	7.311	1.803	660.000
0+680.000	7.658	1.723	680.000
0+700.000	8.101	2.806	700.000
			709.738
0+720.000	8.638	5.237	720.000
0+740.000	9.215	4.959	740.000
0+760.000	9.791	6.032	760.000

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=243.489m | A=134.164, L=60.000m | L=85.387m, R=300.000m | A=134.164, L=60.000m | L=309.463m

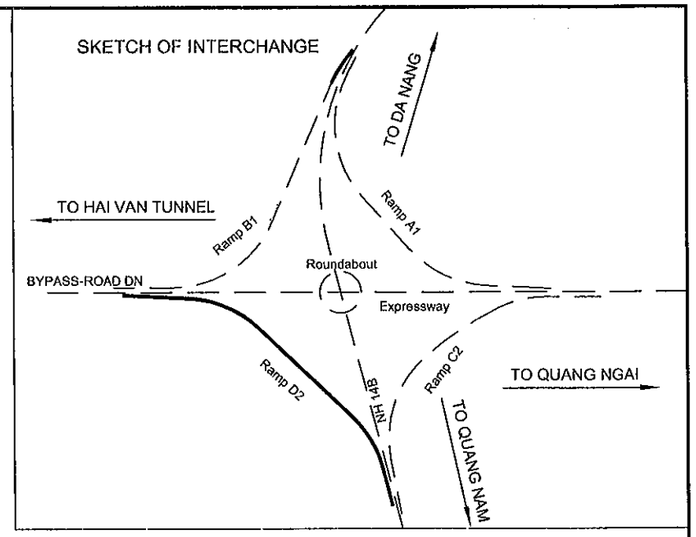
SUPER ELEVATION / SIÊU CAO: 2.000% / 0+099.959 / -2.000% | 2.000% / 0+271.770 / -2.000% | 2.000% / 0+497.383 / -2.000% | 2.000% / 0+702.911 / -2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: Station:			
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO
				SIGNATURE			
				DATE			

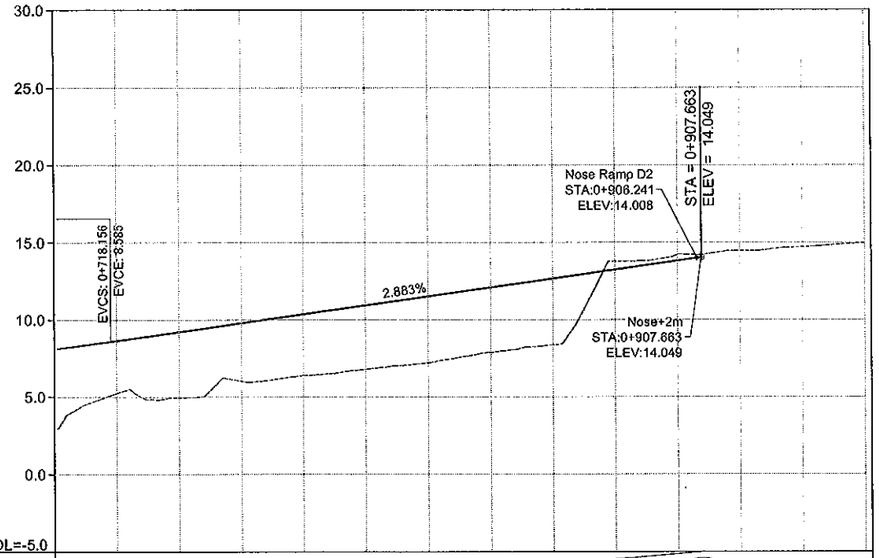
TUY LOAN INTERSECTION-NÚT GIAO TÚY LOAN
PROFILE OF RAMP D2-TRẮC DỌC NHÁNH D2 (1/2)

SCALE	DRAWING NO.	REV. NO.
AS SHOW	PKG1-IC-PP-190	3

PATH - D1_02.CAREER\DN-QN PROJECT\SIR.MAGA\01.TUY LOAN IC.KM0+-350-0+900\1.ALTERNATIVE1-CLOVERLEAF\ROUNDABOUT CENTER\EXPORT\LAST FILE\ACAD-03.PROFILE-DAYLIGHT-TUY LOAN IC-ROUNDABOUT.130112.DWG - SHEET: PROFILE - JAN 12, 2013



PROFILE OF RAMP D2
TRẮC DỌC RAMP D2



PROFILE ĐỘ DỐC DỌC					i=2.883% L=239.507m							(14.049)			
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ		8.638	9.215	9.791	10.368	10.945	11.521	12.098	12.675	13.251	13.828				
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN		5.237	4.959	6.032	6.389	6.796	7.218	7.896	8.369	13.791	14.216	14.460	14.698	14.988	
STATION LÝ TRÌNH		0+720.000	0+740.000	0+760.000	0+780.000	0+800.000	0+820.000	0+840.000	0+860.000	0+880.000	0+900.000	0+920.000	0+940.000	0+960.000	
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN		709.738	720.000	740.000	760.000	780.000	800.000	811.739	820.000	840.000	860.000	880.000	900.000	915.126 920.000	940.000
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG					A=102.470 L=50.000m			L=110.743m R=210.000m						A=102.470 L=50.000m	
SUPER ELEVATION SIÊU CAO		00%												2.000%	
		)2.911												0+922.082	
		)00%												-2.000%	

1/400
1/2000

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: Station:					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN INTERSECTION-NÚT GIAO TÚY LOAN	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP D2-TRẮC DỌC NHÁNH D2 (2/2)	
				SIGNATURE				SCALE	DRAWING NO. / REV. NO.
				DATE				AS SHOW	PKG1-IC-PP-200 / 3

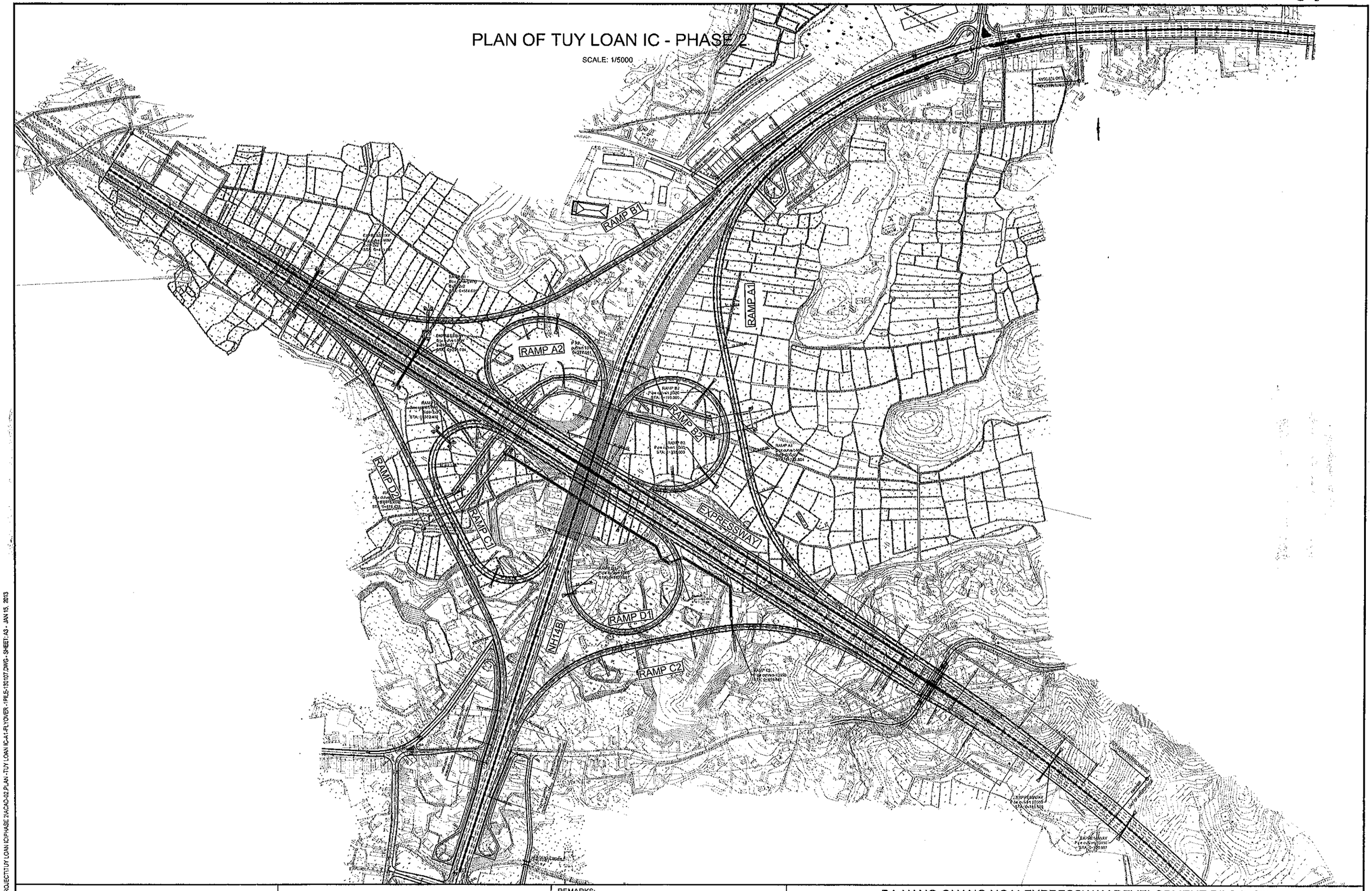
PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\01.TUY LOAN IC,KM0+350-0+900\01.ALTERNATIVE1-CLOVERLEAF\ROUNDABOUT CENTER\EXPORT\LAST FILE\ACAD-03.PROFILE-DAYLIGHT-TUY LOAN IC-ROUNDABOUT.13012.DWG - SHEET: PROFILE - JAN 12, 2013

E1-2. INTERCHANGE IN 2ND STAGE
E1-2. NÚT GIAO TRONG GIAI ĐOẠN 2

000188

PLAN OF TUY LOAN IC - PHASE 2

SCALE: 1/5000



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN INTERCHANGE-PHASE 2		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PLAN OF TUY LOAN IC-PHASE 2		
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/5000	PKG1-IC-PP-210	3

PATH - D:_02.CAD\EED\DN-QN PROJECT\TUY LOAN IC\PHASE 2\ACAD-02.PLAN - TUY LOAN IC-A1-FLYOVER - PRLS-130107.DWG - SHEET: A3 - JAN 15, 2013

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN INTERCHANGE		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PLAN OF TUY LOAN INTERCHANGE-PHASE 2 (1/4)		
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/2000	PKG1-IC-PP-220	3

PATH - D:_02_CAREER\DN-QN PROJECT\TUY LOAN IC\PHASE 2\ACAD-02-PLAN - TUY LOAN IC-A1-FLYOVER - PILE-130107.DWG - SHEET: A3 - JAN 15, 2013

TUY LOAN INTERCHANGE

LIMIT OF INTERCHANGE

KM -0+800

TAPER LENGTH / ĐOẠN VUỐT L = 75m

ACCELERATION LENGTH / ĐOẠN TĂNG TỐC L= 288,6m

TAPER LENGTH / ĐOẠN VUỐT L = 94,166m

DECELERATION LENGTH / ĐOẠN GIẢM TỐC L= 120,356m

HAI VAN TUNNEL

DN BYPASS

EXPRESSWAY Box culvert-WW BxH=2x2 STA: 0+471,087

RAMP S1 Box culvert-WW BxH=2x2 STA: 0+584,685

EXPRESSWAY Box culvert-WW BxH=2x2 STA: 0+231,784

RAMP A2 Pipe culvert 1Dx0 STA: 0+227,061

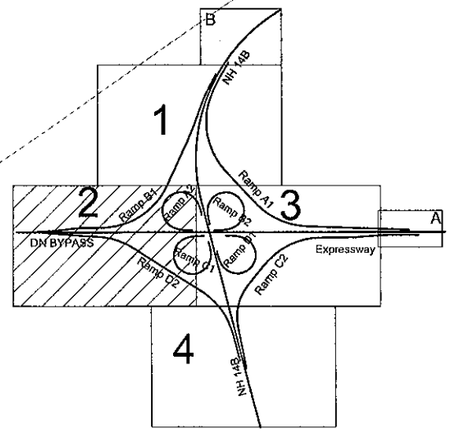
RAMP A2

RAMP C2 Box culvert-WW BxH=2x2 STA: 0+362,402

RAMP C1

RAMP D2

RAMP D2 Box culvert-WW BxH=6(4x4) STA: 0+576,422



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN INTERCHANGE		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PLAN OF TUY LOAN INTERCHANGE-PHASE 2 (2/4)		
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/2000	PKG1-IC-PP-230	3

PATH: - D:_02.DA\EERDN-QN PROJECT\TUY LOAN IC\PHASE 2\ACAD-02.PLAN -TUY LOAN IC-A1-FLYOVER -1PILE 130107.DWG - SHEET: A3 - JAN 15, 2013

000191

RAMP B2
Pipe culvert 1D80
STA: 0+195.000

RAMP B2

RAMP B2
Pipe culvert 1D80
STA: 0+335.000

RAMP A1
Box culvert WW
BxH=6(4x4)
STA: 0+738.804

RAMP A1

EXPRESSWAY

DECELERATION LENGTH / ĐOẠN GIẢM TỐC L= 179.305m

163.773m

TAPER LENGTH
ĐOẠN VUỐT L=7

ACCELERATION LENGTH / ĐOẠN TĂNG TỐC L= 291.328m

RAMP D1
Pipe culvert 1D80
STA: 0+352.168

RAMP D1

RAMP D1
Pipe culvert 1D150
STA: 0+100.428

RAMP C2
Pipe culvert 1D150
STA: 0+459.642

RAMP C2

NH 1A

TUY LOAN INTERCHANGE

TAPER LENGTH /
ĐOẠN VUỐT L= 119.150m

LIMIT OF INTERCHANGE

KM 0+900

L=59.320m

QUANG NGAI

A

EXPRESSWAY
Pipe culvert 1D150
STA: 0+781.519

EXPRESSWAY
Pipe culvert 1D150
STA: 0+920.997

B
1
2
3
4
NH 1AB
NH 1A
DN BYPASS
Ramp B1
Ramp B2
Ramp A1
Ramp A2
Ramp D1
Ramp D2
Ramp C1
Ramp C2
Expressway

PATH - D:_02.CASEERDN-QN PROJECT\TUY LOAN IC\PHASE 2\ACAD-02-PLAN - TUY LOAN IC-A1-FLYOVER - PILE-130107.DWG - SHEET: A3 - JAN 15, 2013

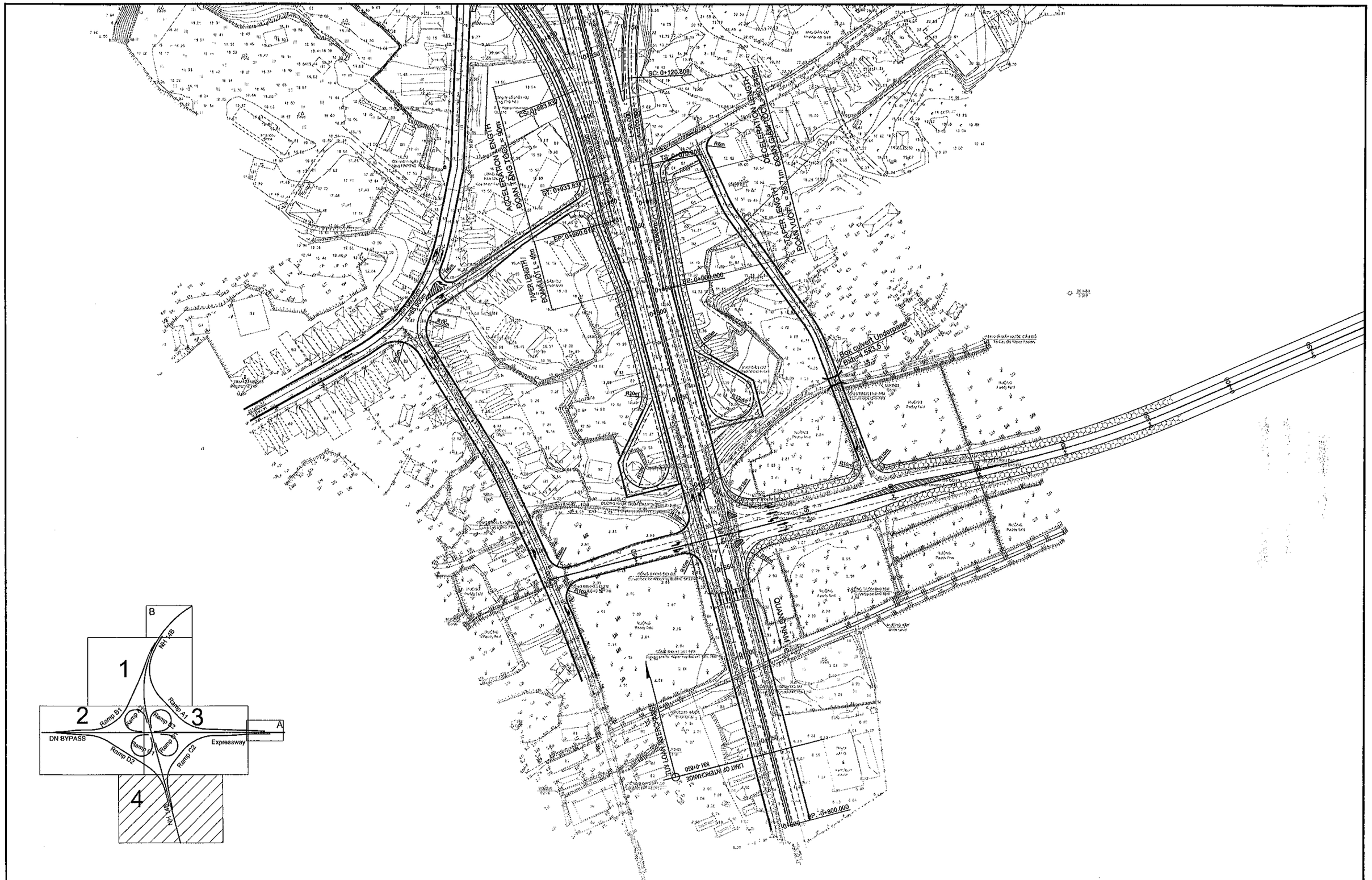
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85	

REMARKS:

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN INTERCHANGE		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PLAN OF TUY LOAN INTERCHANGE-PHASE 2 (3/4)		
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/2000	PKG1-IC-PP-240	3

000192



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

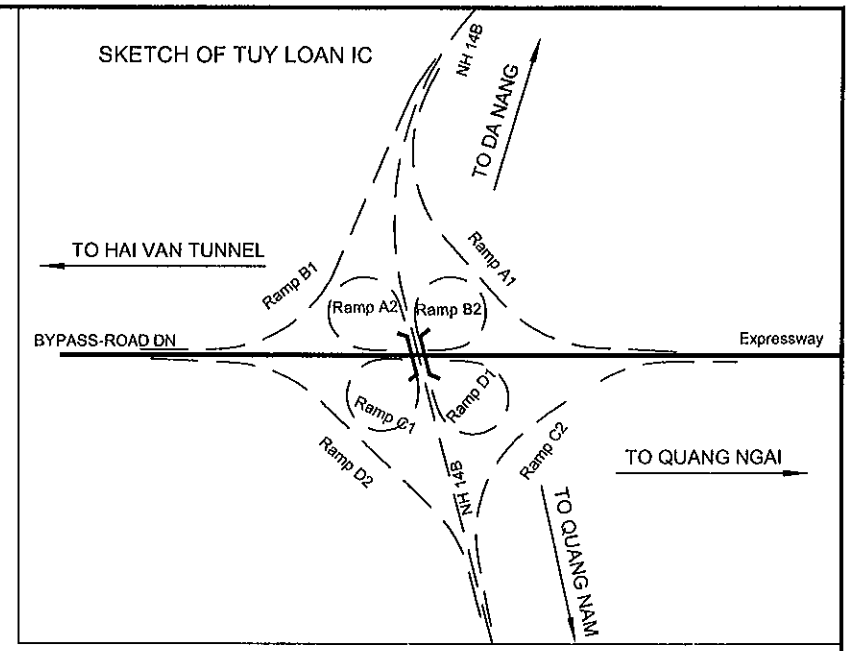
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

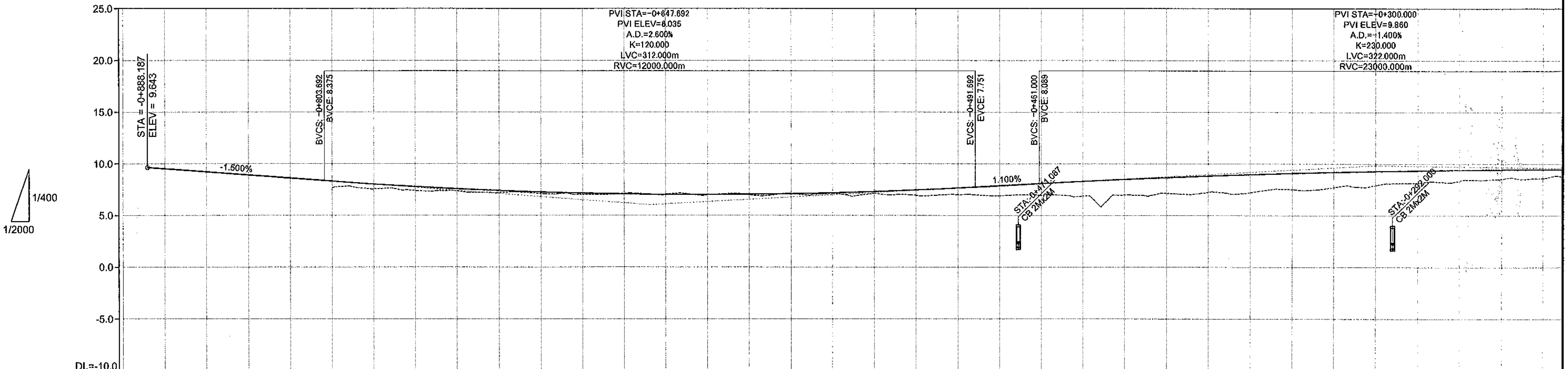
	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN INTERCHANGE
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PLAN OF TUY LOAN INTERCHANGE-PHASE 2 (4/4)
SIGNATURE				SCALE: 1/2000
DATE				DRAWING NO.: PKG1-IC-PP-250
				REV. NO.: 3

PATH - D:_02.CAREER\IDN PROJECT\TUY LOAN IC\PHASE 2\ACAD-02.PLAN - TUY LOAN IC-A1-FLYOVER-1.PLS-130107.DWG - SHEET: A3 - JAN 15, 2013

000193



PROFILE OF EXPRESSWAY
TRÁC DỌC EXPRESSWAY



PROFILE / ĐỘ DỐC DỌC: 9.643 — i=-1.500%, L=240.495m — 6.035 — i=1.100%, L=347.692m — 9.860

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
-0+900.000			-900.000
-0+880.000	9.520		-880.000
-0+860.000	9.220		-860.000
-0+840.000	8.920		-840.000
-0+820.000	8.620		-820.000
-0+800.000	8.321	7.689	-800.000
-0+780.000	8.043	7.567	-780.000
-0+760.000	7.800	7.407	-760.000
-0+740.000	7.589	7.378	-740.000
-0+720.000	7.412	7.212	-720.000
-0+700.000	7.268	7.115	-700.000
			-698.188
-0+680.000	7.157	7.009	-680.000
-0+660.000	7.080	7.129	-660.000
-0+640.000	7.036	7.052	-640.000
-0+620.000	7.026	6.982	-620.000
-0+600.000	7.049	7.013	-600.000
			-593.789
-0+580.000	7.105	7.141	-580.000
-0+560.000	7.194	7.133	-560.000
-0+540.000	7.317	7.147	-540.000
-0+520.000	7.473	6.958	-520.000
-0+500.000	7.663	6.991	-500.000
			-492.415
-0+480.000	7.880	6.915	-480.000
-0+460.000	8.100	6.959	-460.000
-0+440.000	8.310	6.873	-440.000
-0+420.000	8.503	6.986	-420.000
-0+400.000	8.679	7.154	-400.000
			-388.721
-0+380.000	8.837	7.262	-380.000
-0+360.000	8.978	7.230	-360.000
-0+340.000	9.102	7.526	-340.000
-0+320.000	9.208	7.736	-320.000
-0+300.000	9.297	7.929	-300.000
			-283.843
-0+280.000	9.368	8.157	-280.000
-0+260.000	9.422	8.372	-260.000
-0+240.000	9.458	8.568	-240.000
-0+220.000	9.477	8.601	-220.000

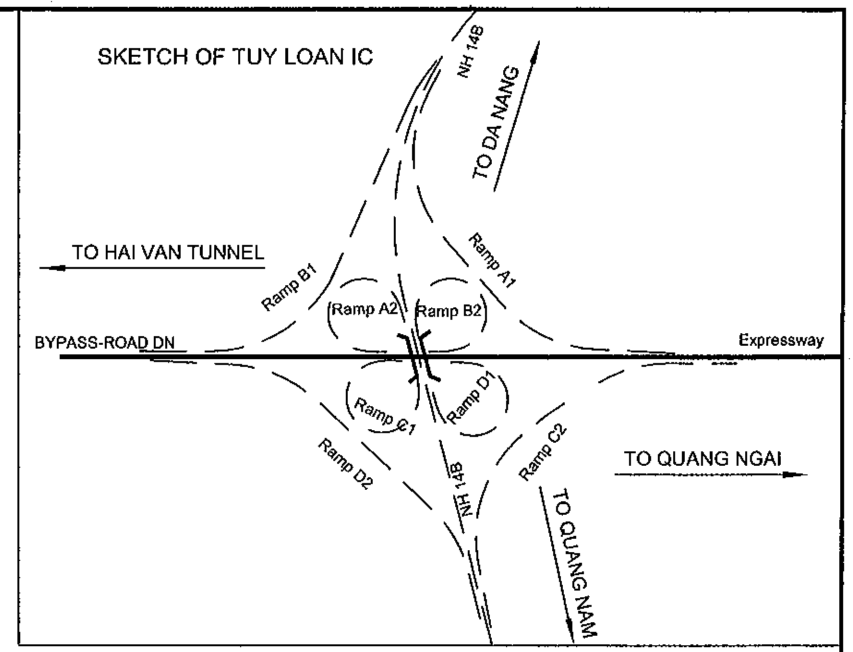
HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\01.TUY LOAN IC.KM0+-350-0+900\1.ALTERNATIVE1-CLOVERLEAF\A.CAD FILE\LAST FILES\ACAD-02.PLAN -PROFILE\TUY LOAN IC-PHASE 2.130115.DWG - SHEET: PROFILE - JAN 15, 2013

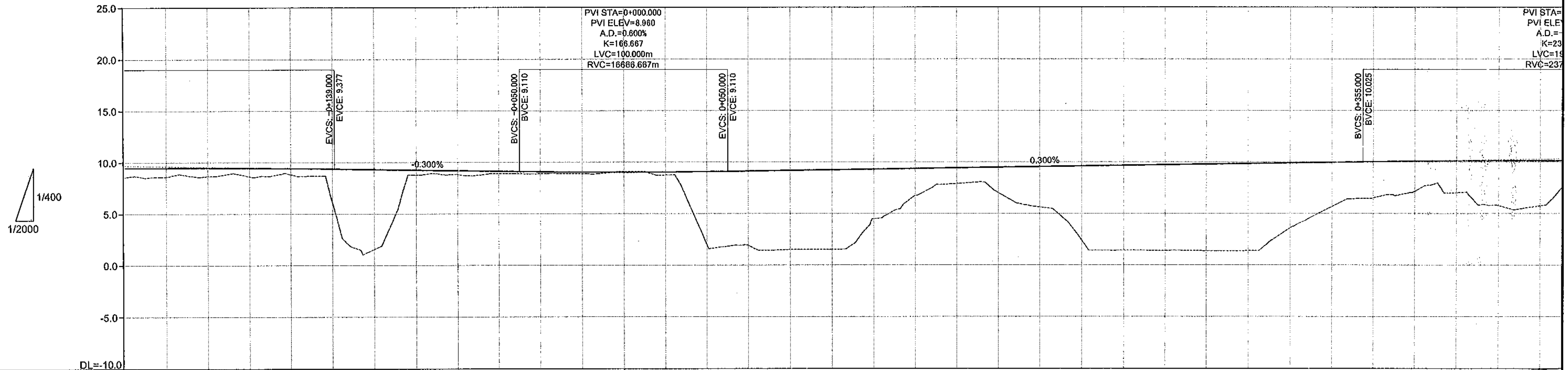
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN IC (PHASE 2)-NÚT GIAO TÚY LOAN (GIAI ĐOẠN 2)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH (1/3)		
SIGNATURE	[signature]	[signature]	[signature]	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG1-IC-PP-210	3



PROFILE OF EXPRESSWAY
TRẮC DỌC EXPRESSWAY



PROFILE / ĐỘ DỐC DỌC: i=-0.300% L=300.000m; (8.960); i=0.300% L=450.000m

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
-0+240.000	[illegible]	[illegible]	-240.000
-0+220.000	9.477	8.601	-220.000
-0+200.000	9.479	8.663	-200.000
-0+180.000	9.463	8.640	-180.000 -178.884
-0+160.000	9.430	8.829	-160.000
-0+140.000	9.380	6.098	-140.000
-0+120.000	9.320	1.567	-120.000
-0+100.000	9.260	8.789	-100.000
-0+080.000	9.200	8.834	-80.000 -76.598
-0+060.000	9.140	8.904	-60.000
-0+040.000	9.083	8.893	-40.000
-0+020.000	9.047	8.895	-20.000
0+000.000	9.035	9.078	0.000
0+020.000	9.047	8.745	20.000 24.523
0+040.000	9.083	1.977	40.000
0+060.000	9.140	1.908	60.000
0+080.000	9.200	1.506	80.000
0+100.000	9.260	1.502	100.000
0+120.000	9.320	4.485	120.000 124.787
0+140.000	9.380	6.728	140.000
0+160.000	9.440	7.900	160.000
0+180.000	9.500	7.019	180.000
0+200.000	9.560	5.629	200.000
0+220.000	9.620	2.398	220.000
0+240.000	9.680	1.421	235.798 240.000
0+260.000	9.740	1.389	260.000
0+280.000	9.800	1.372	280.000
0+300.000	9.860	1.381	300.000
0+320.000	9.920	3.608	320.000
0+340.000	9.980	5.679	340.000
0+360.000	10.039	6.522	360.000
0+380.000	10.087	7.165	380.000
0+400.000	10.117	7.016	400.000
0+420.000	10.131	5.777	420.000
0+440.000	10.128	5.754	440.000 442.939

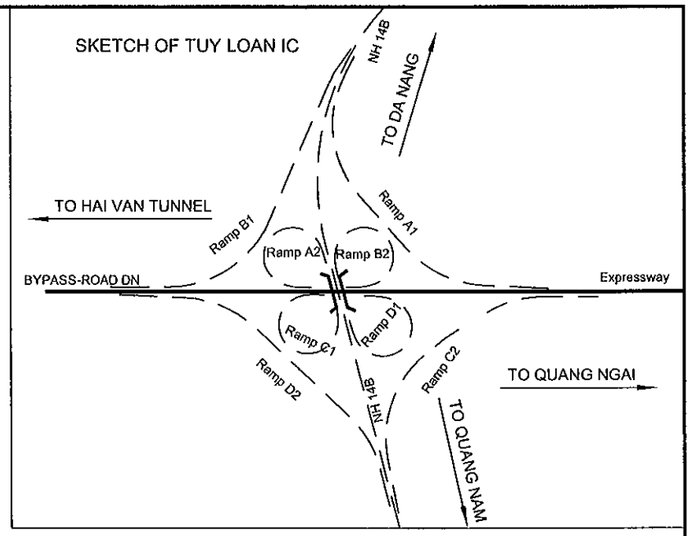
HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=1318.948m

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

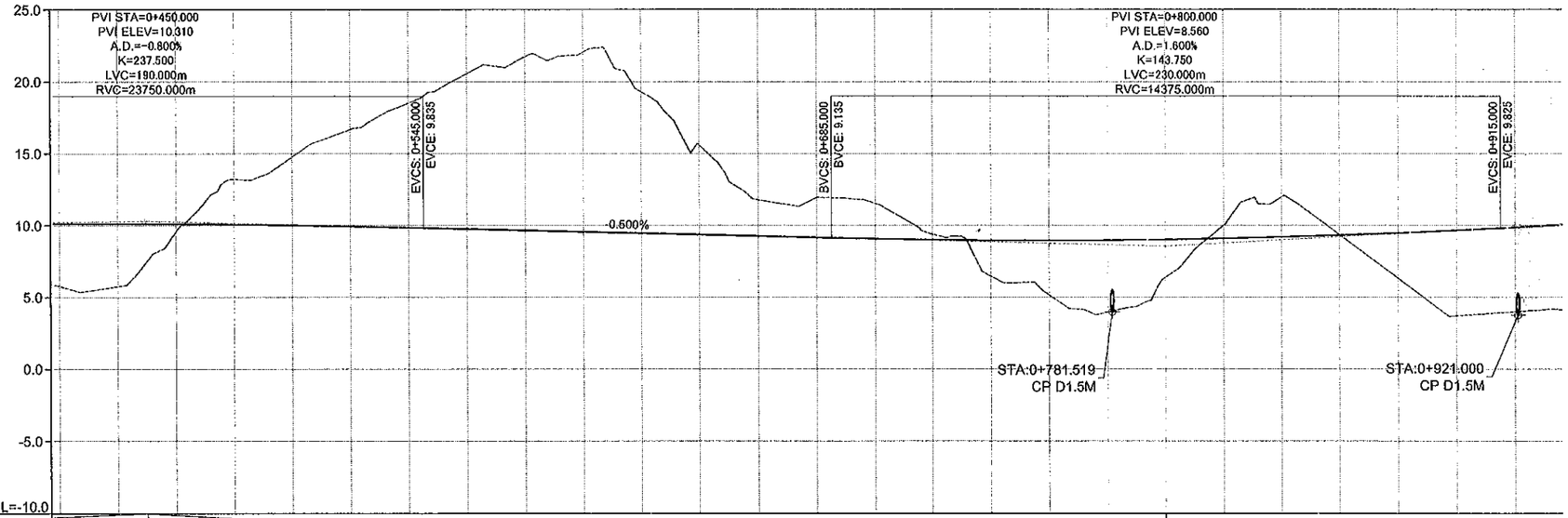
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

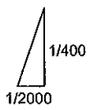
	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN IC (PHASE 2)-NÚT GIAO TÚY LOAN (GIAI ĐOẠN 2)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH (2/3)		
SIGNATURE	[signature]	[signature]	[signature]	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG1-IC-PP-270	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\01.TUY LOAN IC.KM0+-350-0+900\1.ALTERNATIVE1-CLOVERLEAF\A.CAD FILE\LAST FILES\ACAD-02.PLAN -PROFILE\TUY LOAN IC-PHASE 2.130115.DWG - SHEET: PROFILE - JAN 15, 2013



PROFILE OF EXPRESSWAY
TRẮC DỌC EXPRESSWAY

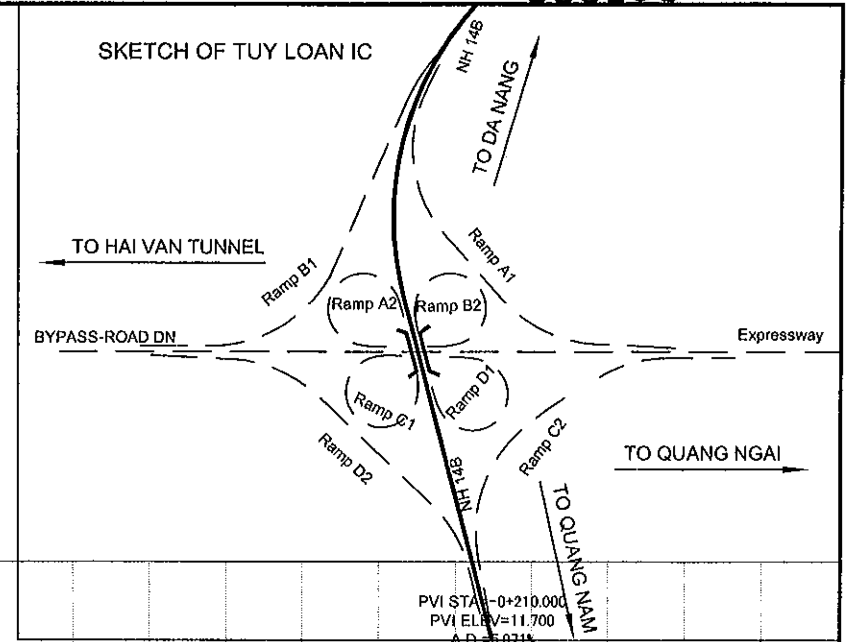




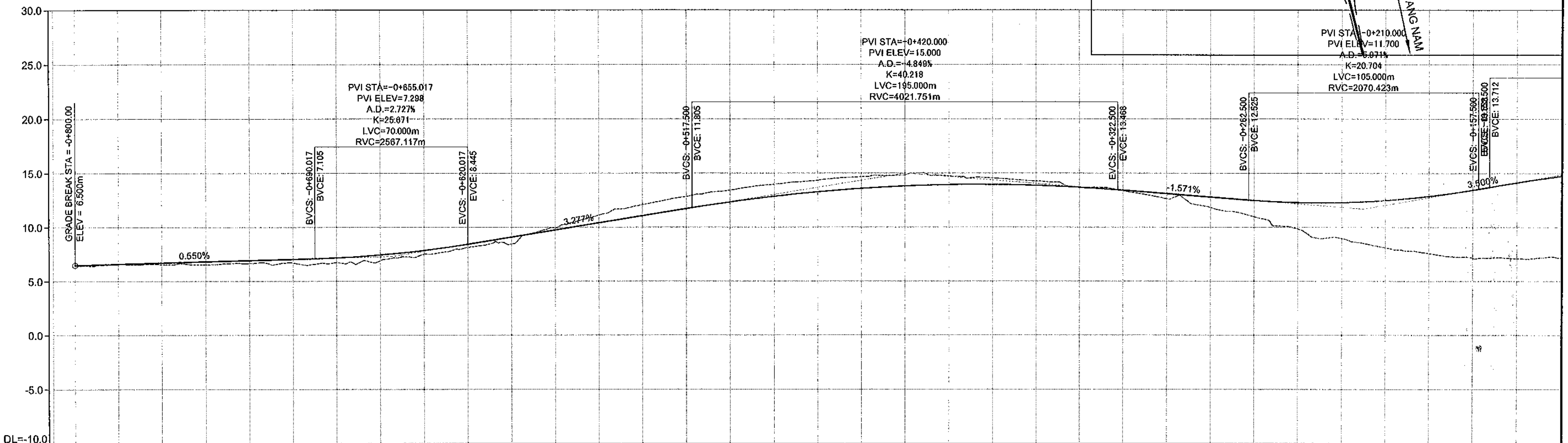
PROFILE ĐỘ DỐC DỌC	10.310	i=-0.500% L=350.000m																									8.560	i=1.100% L=260.000	
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	10.131	10.128	10.108	10.071	10.017	9.947	9.859	9.760	9.660	9.560	9.460	9.360	9.260	9.160	9.068	9.003	8.965	8.956	8.974	9.020	9.094	9.196	9.325	9.483	9.668	9.880			
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	5.777	5.754	9.593	13.221	14.780	16.694	18.521	20.567	21.751	22.060	19.308	15.601	11.789	11.943	11.530	9.398	6.467	5.157	3.962	6.399	10.010	11.983	9.360	6.324	3.708	3.994			
STATION LÝ TRÌNH	0+420.000	0+440.000	0+460.000	0+480.000	0+500.000	0+520.000	0+540.000	0+560.000	0+580.000	0+600.000	0+620.000	0+640.000	0+660.000	0+680.000	0+700.000	0+720.000	0+740.000	0+760.000	0+780.000	0+800.000	0+820.000	0+840.000	0+860.000	0+880.000	0+900.000	0+920.000				
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	420.000	442.938	460.000	480.000	500.000	520.000	540.009	560.000	580.000	600.000	620.000	640.077	660.000	680.000	700.000	720.000	740.000	760.000	780.000	800.000	820.000	840.000	860.000	880.000	900.000	920.000			
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG	A=678.233 L=230.000m																												

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: Station:					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN IC (PHASE 2)-NÚT GIAO TÚY LOAN (GIAI ĐOẠN 2)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH (3/3)	
				SIGNATURE				SCALE: AS SHOW	DRAWING NO.: PKG1-IC-PP-2
				DATE					REV. NO.: 3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\01.TUY LOAN IC.MO\~350-0-90011.ALTERNATIVE1-CLOVERLEAF\A.CAD FILE\LAST FILES\ACAD-02.PLAN -PROFILE\TUY LOAN IC-PHASE 2.130115.DWG - SHEET: PROFILE - JAN 15, 2013



PROFILE OF NH14B
TRẮC DỌC NH14B



PROFILE / ĐỘ DỐC DỌC: 6.500 — i=0.550%, L=144.983m — 7.298 — i=3.277%, L=235.017m — 15.000 — i=-1.571%, L=210.000m — 11.700

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
-0+810.000			-810.000
-0+800.000	6.500	6.505	
-0+780.000	6.610	6.609	-780.000
-0+760.000	6.720	6.550	-760.000
-0+740.000	6.830	6.536	-740.000
-0+720.000	6.940	6.657	-720.000
			-709.487
-0+700.000	7.050	6.705	-700.000
-0+680.000	7.180	6.739	-680.000
-0+660.000	7.446	6.915	-660.000
-0+640.000	7.868	7.520	-640.000
-0+620.000	8.446	8.141	-620.000
			-608.515
-0+600.000	9.101	8.463	-600.000
-0+580.000	9.756	9.942	-580.000
-0+560.000	10.412	11.118	-560.000
-0+540.000	11.067	12.079	-540.000
-0+520.000	11.723	12.845	-520.000
			-503.679
-0+500.000	12.340	13.438	-500.000
-0+480.000	12.859	13.972	-480.000
-0+460.000	13.278	14.336	-460.000
-0+440.000	13.598	14.658	-440.000
-0+420.000	13.818	14.838	-420.000
-0+400.000	13.939	14.746	-400.000
-0+380.000	13.960	14.559	-380.000
-0+360.000	13.882	14.273	-360.000
-0+340.000	13.705	13.694	-340.000
-0+320.000	13.429	13.386	-320.000
-0+300.000	13.114	12.639	-300.000
-0+280.000	12.800	11.836	-280.000
-0+260.000	12.487	10.977	-260.000
-0+240.000	12.294	9.861	-240.000
-0+220.000	12.293	8.975	-220.000
-0+200.000	12.486	8.125	-200.000
			-197.290
-0+180.000	12.872	7.590	-180.000
-0+160.000	13.452	7.155	-160.000
-0+140.000	14.131	7.090	-140.000
-0+120.000	14.719	7.159	-120.000

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=894.473m

SUPER ELEVATION / SIÊU CAO: -2.000% / -2.000% (left); -2.000% / -2.000% (right)

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

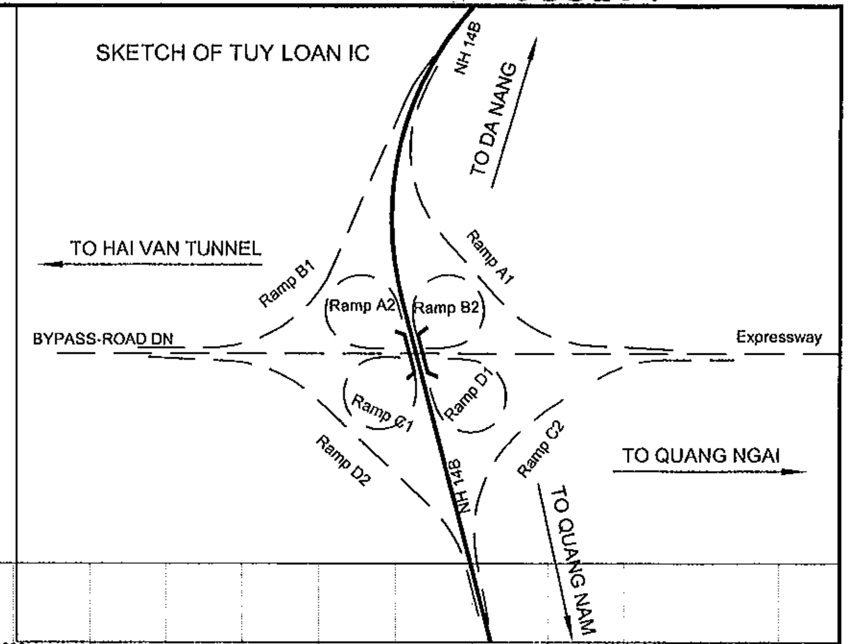
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

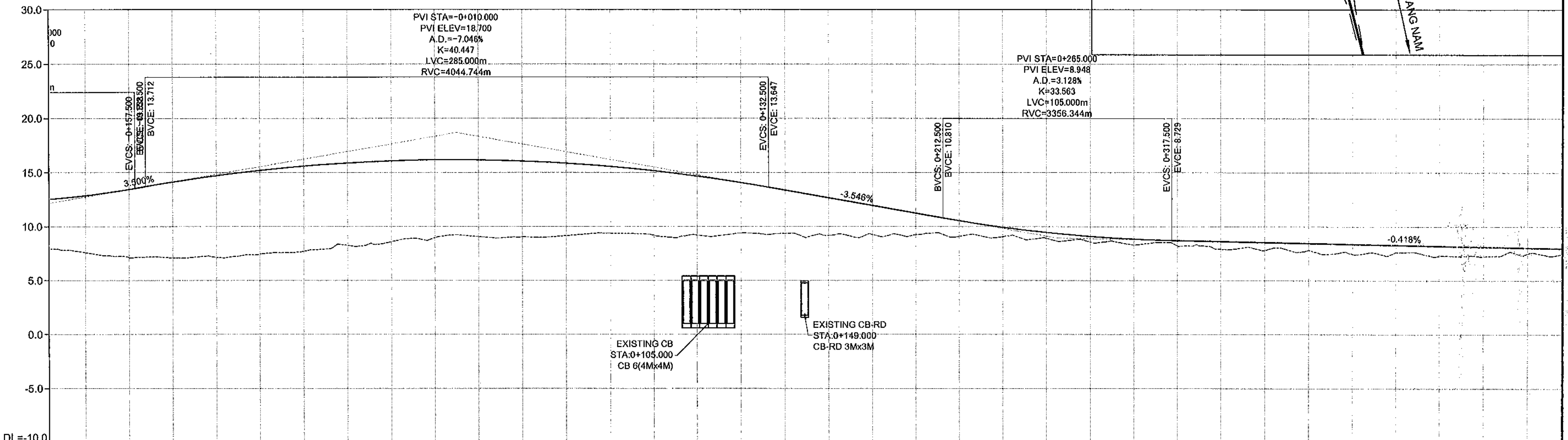
TUY LOAN IC (PHASE 2)-NÚT GIAO TÚY LOAN (GIAI ĐOẠN 2)
PROFILE OF NH14B-TRẮC DỌC QL14B (1/3)

SCALE	DRAWING NO.	REV. NO.
AS SHOW	PKG1-IC-PP-290	3

PATH - D1_02.CAREER\DN-QN PROJECT\SIR.MAGA\01.TUY LOAN IC.KM0+-350-0+900\1.ALTERNATIVE1-CLOVERLEAF\A.CAD FILE\LAST FILES\ACAD-02.PLAN -PROFILE\TUY LOAN IC-PHASE 2.130115.DWG - SHEET: PROFILE - JAN 15, 2013



PROFILE OF NH14B
TRẮC DỌC NH14B



PROFILE / ĐỘ DỐC DỌC: i=3.500% L=200.000m; (18.700); i=-3.546% L=275.000m; (8.948); i=-0.418% L=315.000m

STATION / LÝ TRÌNH	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN
-0+180.000	-180.000	12.872	7.590
-0+160.000	-160.000	13.452	7.155
-0+140.000	-140.000	14.131	7.090
-0+120.000	-120.000	14.719	7.159
-0+100.000	-100.000	15.209	7.446
	-93.297		
-0+080.000	-80.000	15.600	7.715
-0+060.000	-60.000	15.892	8.265
-0+040.000	-40.000	16.085	8.601
-0+020.000	-20.000	16.180	8.962
0+000.000	0.000	16.175	9.074
	8.460		
0+020.000	20.000	16.072	9.050
0+040.000	40.000	15.869	9.161
0+060.000	60.000	15.568	9.376
0+080.000	80.000	15.168	9.195
0+100.000	100.000	14.669	9.211
	110.279		
0+120.000	120.000	14.071	9.381
0+140.000	140.000	13.381	9.370
0+160.000	160.000	12.671	9.189
0+180.000	180.000	11.962	9.268
0+200.000	200.000	11.253	9.260
	210.609		
0+220.000	220.000	10.552	9.097
0+240.000	240.000	9.947	9.078
0+260.000	260.000	9.461	8.927
0+280.000	280.000	9.095	8.588
0+300.000	300.000	8.847	8.310
	311.818		
0+320.000	320.000	8.718	8.223
0+340.000	340.000	8.635	7.905
0+360.000	360.000	8.551	7.823
0+380.000	380.000	8.468	7.825
0+400.000	400.000	8.384	7.460
	413.480		
0+420.000	420.000	8.300	7.607
0+440.000	440.000	8.217	7.286
0+460.000	460.000	8.133	7.241
0+480.000	480.000	8.050	7.502

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: A=225.278 L=70.000m

SUPER ELEVATION / SIÊU CAO: -2.000%; 2.000%; 0+164.473; -2.000%; -2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

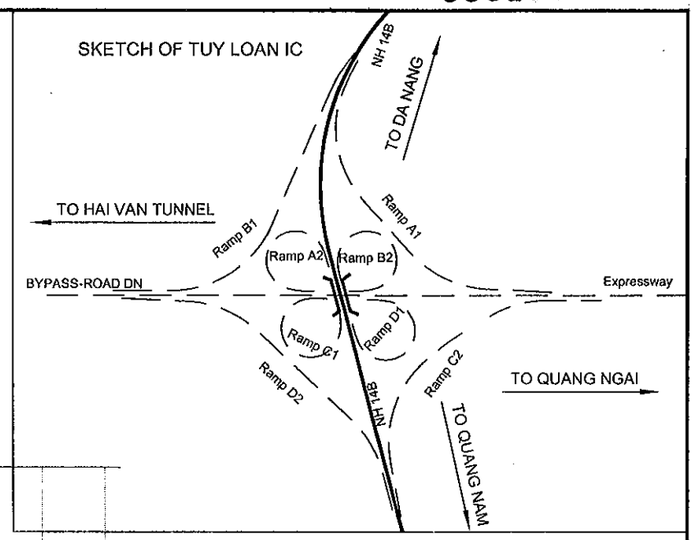
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

TUY LOAN IC (PHASE 2)-NÚT GIAO TÚY LOAN (GIAI ĐOẠN 2)
PROFILE OF NH14B-TRẮC DỌC QL14B (2/3)

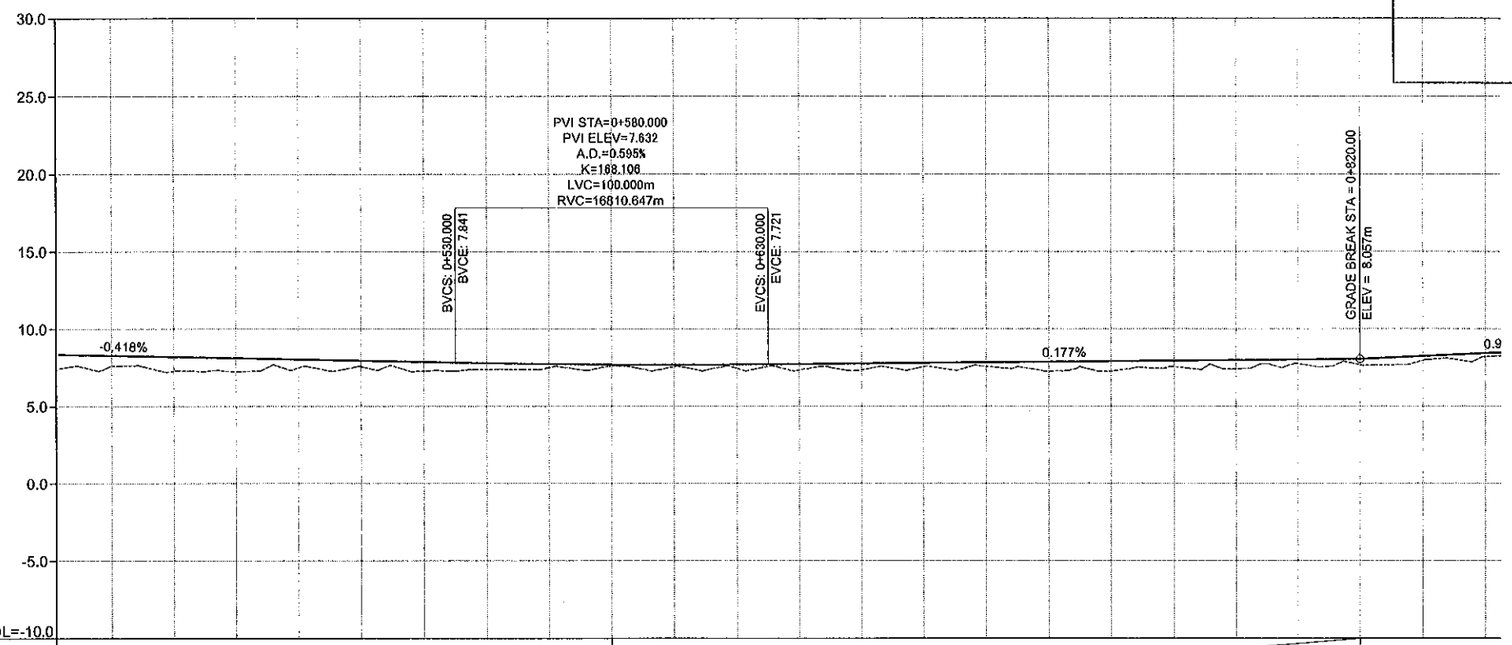
SCALE	DRAWING NO.	REV. NO.
AS SHOW	PKG1-IC-PP-300	3

PATH - D1_02.CAREER\DN-QN PROJECTS\R.MAGA\01.TUY LOAN IC.KM0+-350-0+900\1.ALTERNATIVE1-CLOVERLEAF\A.CAD FILE\LAST FILES\ACAD-02.PLAN -PROFILE\TUY LOAN IC-PHASE 2.130115.DWG - SHEET: PROFILE - JAN 15, 2013

000198



PROFILE OF NH14B
TRẮC DỌC NH14B



1/400
1/2000

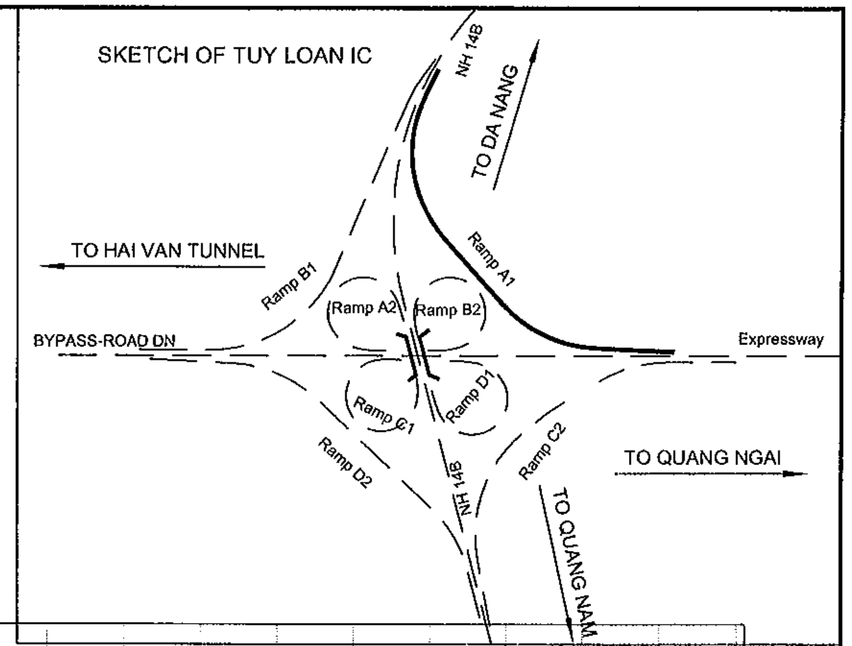
PROFILE ĐỘ DỐC DỌC	i=-0.418% L=315.000m								7.632													8.057		
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	8.300	8.217	8.133	8.050	7.966	7.883	7.802	7.742	7.706	7.694	7.706	7.738	7.774	7.809	7.844	7.880	7.915	7.951	7.986	8.022	8.057	8.245	8.433
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	7.607	7.286	7.241	7.502	7.592	7.289	7.389	7.510	7.608	7.571	7.462	7.354	7.364	7.560	7.567	7.271	7.269	7.557	7.418	7.751	7.675	7.969	8.201
STATION LÝ TRÌNH	0+420.000	0+440.000	0+460.000	0+480.000	0+500.000	0+520.000	0+540.000	0+560.000	0+580.000	0+600.000	0+620.000	0+640.000	0+660.000	0+680.000	0+700.000	0+720.000	0+740.000	0+760.000	0+780.000	0+800.000	0+820.000	0+840.000	0+860.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	413.480 420.000	440.000	460.000	480.000	500.000	513.713 520.000	540.000	560.000	580.000	600.000	616.687 620.000	640.000	660.000	680.000	700.000	718.665 720.000	740.000	760.000	780.000	800.000	820.000 820.000	840.000	860.000
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG	L=819.954m R=725.000m																						
SUPER ELEVATION SIÊU CAO																							

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

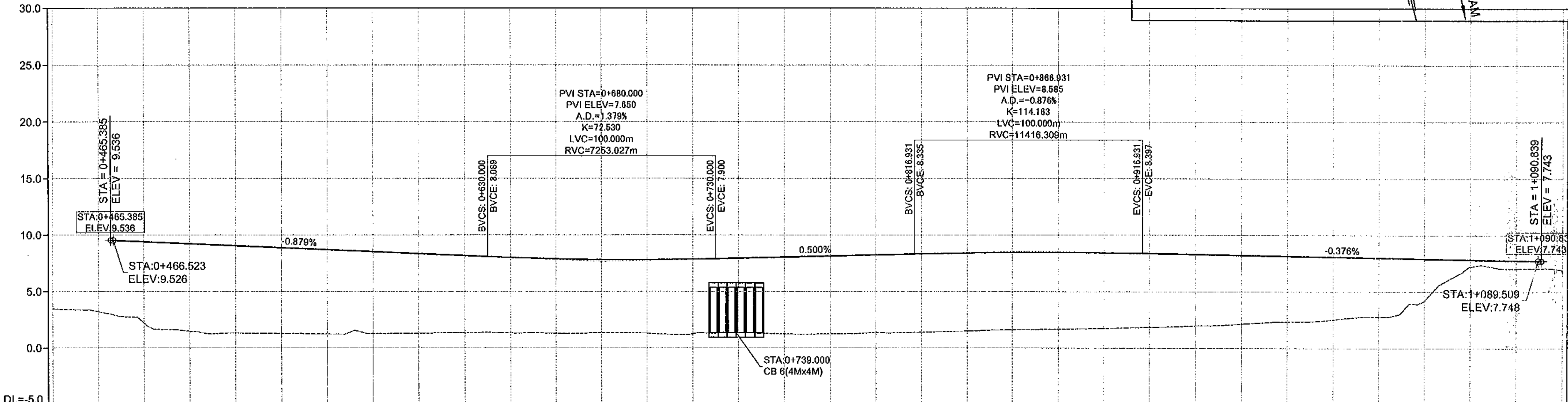
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN IC (PHASE 2)-NÚT GIAO TÚY LOAN (GIAI ĐOẠN 2)	
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF NH14B-TRẮC DỌC QL14B (3/3)	
SIGNATURE				SCALE	DRAWING NO. / REV. NO.
DATE				AS SHOW	PKG1-IC-PP310 / 3

PATH - D:_02-CAREERDON-QN PROJECTS\IR.MAGA\01.TUY LOAN IC,KM0+350-0+900\01.ALTERNATIVE\1-CLOVERLEAF\A-CAD FILE\LAST FILES\ADAD-02.PLAN - PROFILE TUY LOAN IC-PHASE 2.130115.DWG - SHEET: PROFILE - JAN 15, 2013



PROFILE OF RAMP A1
TRẮC DỌC RAMP A1



PROFILE / ĐỘ DỐC DỌC: (9.536) i=-0.879% L=214.615m (7.650) i=0.500% L=186.931m (8.585) i=-0.376% L=223.908m (7.743)

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
0+440.000		3.463	
0+460.000		3.208	460.000
0+480.000	9.408	2.203	480.000
0+500.000	9.232	1.482	500.000
0+520.000	9.056	1.321	520.000
0+540.000	8.880	1.275	540.000 541.985
0+560.000	8.705	1.228	560.000
0+580.000	8.529	1.271	580.000
0+600.000	8.353	1.295	600.000
0+620.000	8.177	1.353	620.000
0+640.000	8.008	1.313	640.000 642.177
0+660.000	7.888	1.290	660.000
0+680.000	7.822	1.333	680.000
0+700.000	7.812	1.298	700.000
0+720.000	7.857	1.261	720.000
0+740.000	7.950	1.356	740.000 744.025
0+760.000	8.050	1.246	760.000
0+780.000	8.150	1.244	780.000
0+800.000	8.250	1.371	800.000
0+820.000	8.350	1.402	820.000
0+840.000	8.427	1.508	840.000 845.492
0+860.000	8.469	1.629	860.000
0+880.000	8.476	1.669	880.000
0+900.000	8.448	1.738	900.000
0+920.000	8.385	1.832	920.000
0+940.000	8.310	1.978	940.000 948.337
0+960.000	8.235	2.148	960.000
0+980.000	8.160	2.345	980.000
1+000.000	8.084	2.520	1000.000 1008.535
1+020.000	8.009	2.768	1020.000
1+040.000	7.934	4.219	1040.000 1050.191
1+060.000	7.859	7.237	1060.000
1+080.000	7.784	7.047	1080.000
1+100.000		6.743	

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=171.503m R=300.000m; A=134.164 L=60.000m; L=152.992m; A=122.474 L=60.000m; L=206.087m R=250.000m

SUPER ELEVATION / SIÊU CAO: 2.000% / 0+491.676 / -2.000%; 2.000% / -2.000%; 2.000% / -2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

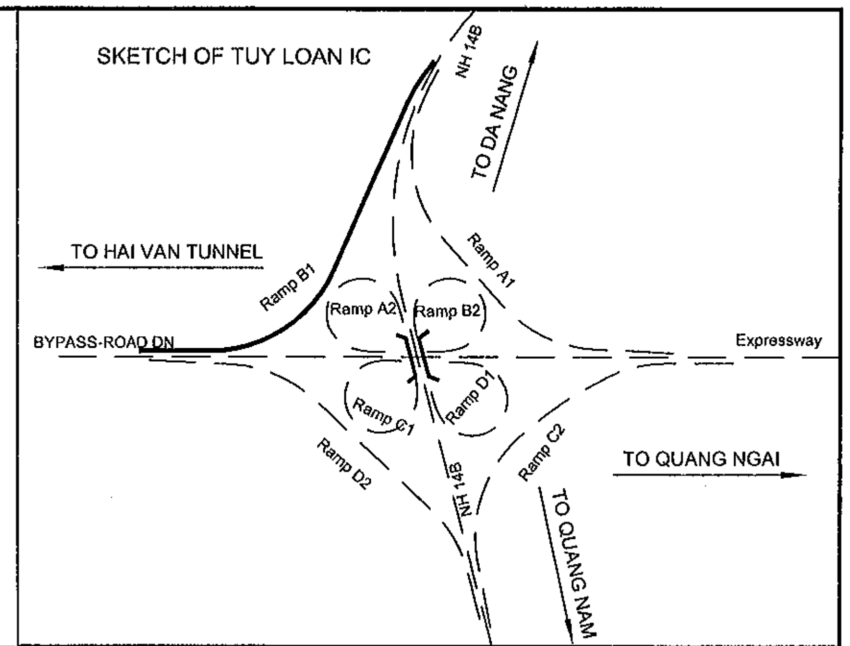
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO
SIGNATURE	(signed)	(signed)	(signed)
DATE			

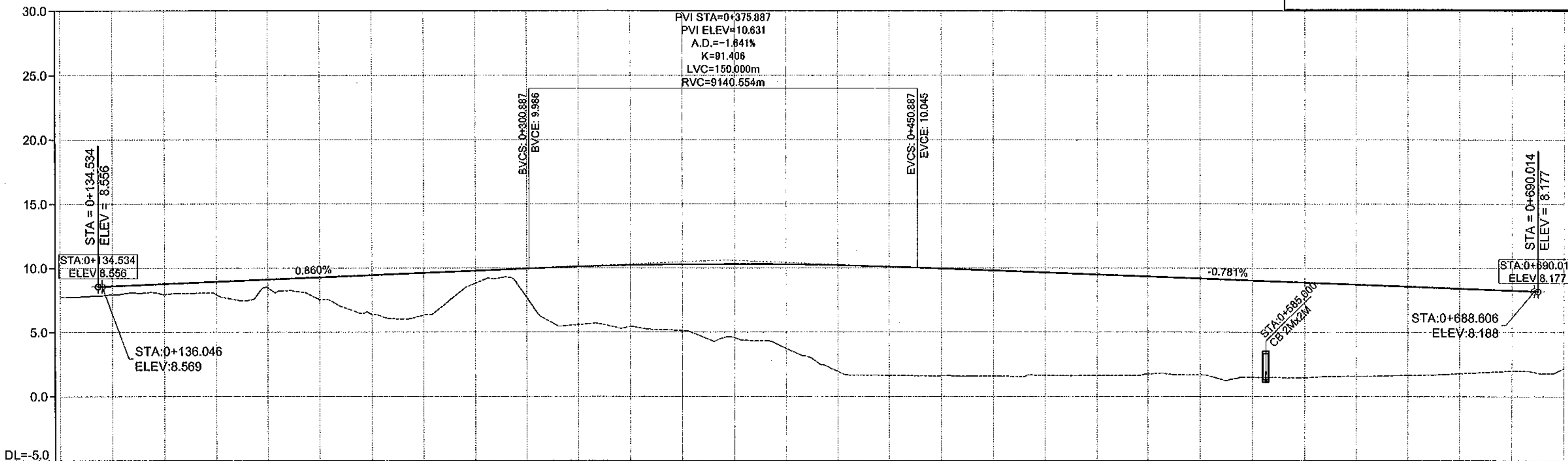
TUY LOAN IC (PHASE 2)-NÚT GIAO TÚY LOAN (GIAI ĐOẠN 2)
PROFILE OF RAMP A1-TRẮC DỌC NHÁNH A1

SCALE	DRAWING NO.	REV. NO.
AS SHOW	PKG1-IC-PP-320	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\01.TUY LOAN IC.KM0+-350-0+900\1.ALTERNATIVE1-CLOVERLEAF\A.CAD FILE\LAST FILES\ACAD-02.PLAN -PROFILE\TUY LOAN IC-PHASE 2.130115.DWG - SHEET: PROFILE - JAN 15, 2013



PROFILE OF RAMP B1
TRẮC DỌC RAMP B1



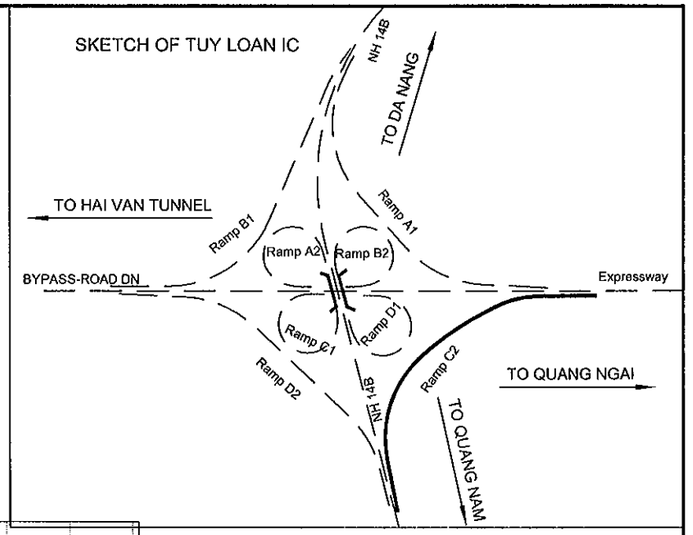
PROFILE ĐỘ DỐC DỌC	8.556	i=0.860% L=241.353m	10.631	i=-0.781% L=314.127m	8.177
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG	A=158.387 L=41.810m	L=99.736m R=600.000m	L=86.514m	A=144.914 L=60.000m	L=325.217m R=350.000m
SUPER ELEVATION SIÊU CAO	2.000% / -2.000%	0+151.846	2.000% / -2.000%	0+376.096 2.000% / -2.000%	2.000% / -2.000%

STATION LÝ TRÌNH	PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN
0+120.000		7.710	
0+140.000	8.603	7.920	140.000
0+160.000	8.775	7.935	160.000
0+180.000	8.947	7.939	180.000
0+200.000	9.119	8.469	200.000
			201.714
0+220.000	9.291	7.546	220.000
			223.054
0+240.000	9.463	6.405	240.000
0+260.000	9.635	6.331	260.000
0+280.000	9.807	8.827	280.000
0+300.000	9.979	7.698	300.000
0+320.000	10.131	5.600	320.000
			326.554
0+340.000	10.239	5.426	340.000
0+360.000	10.303	5.126	360.000
0+380.000	10.324	4.576	380.000
0+400.000	10.301	3.726	400.000
0+420.000	10.234	1.949	420.000
			429.569
0+440.000	10.124	1.632	440.000
0+460.000	9.974	1.595	460.000
0+480.000	9.818	1.591	480.000
0+500.000	9.661	1.643	500.000
0+520.000	9.505	1.635	520.000
			534.478
0+540.000	9.349	1.744	540.000
0+560.000	9.193	1.670	560.000
0+580.000	9.036	1.493	580.000
0+600.000	8.880	1.466	600.000
0+620.000	8.724	1.581	620.000
			635.305
0+640.000	8.568	1.644	640.000
0+660.000	8.411	1.788	660.000
0+680.000	8.255	1.991	680.000
0+700.000		2.166	

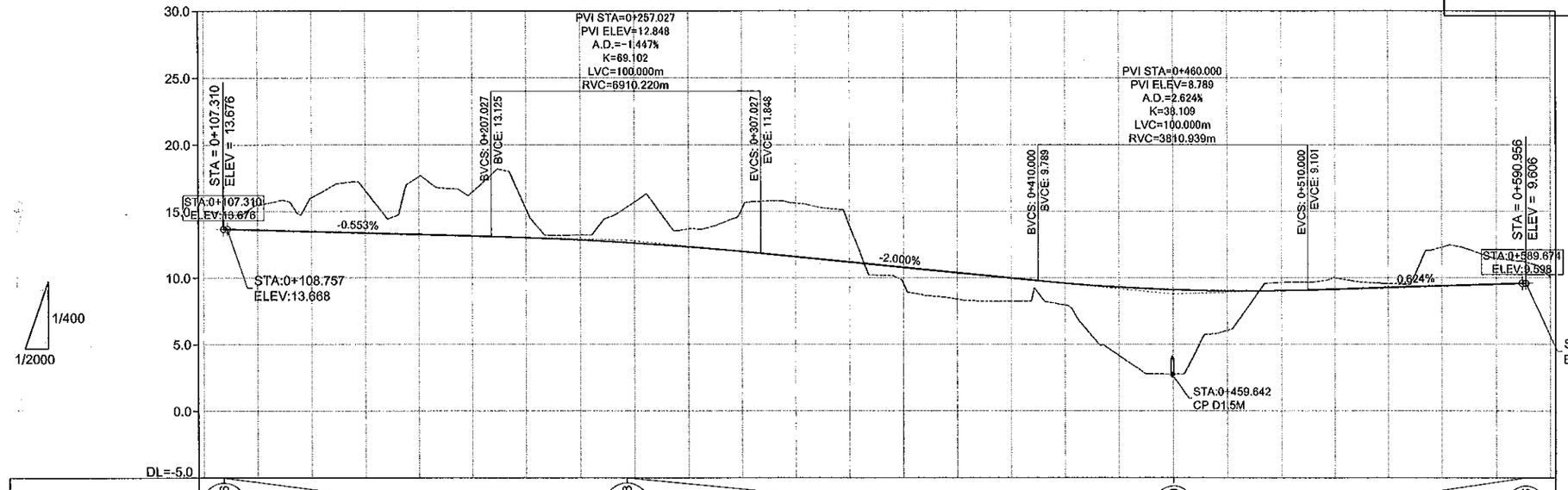
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT CONSULTANT PROJECT MANAGEMENT UNIT NO.85	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN IC (PHASE 2)-NÚT GIAO TÚY LOAN (GIAI ĐOẠN 2)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP B1-TRẮC DỌC NHÁNH B1		
SIGNATURE	[signature]	[signature]	[signature]	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG1-IC-PP330	3



PROFILE OF RAMP C2
TRẮC DỌC RAMP C2

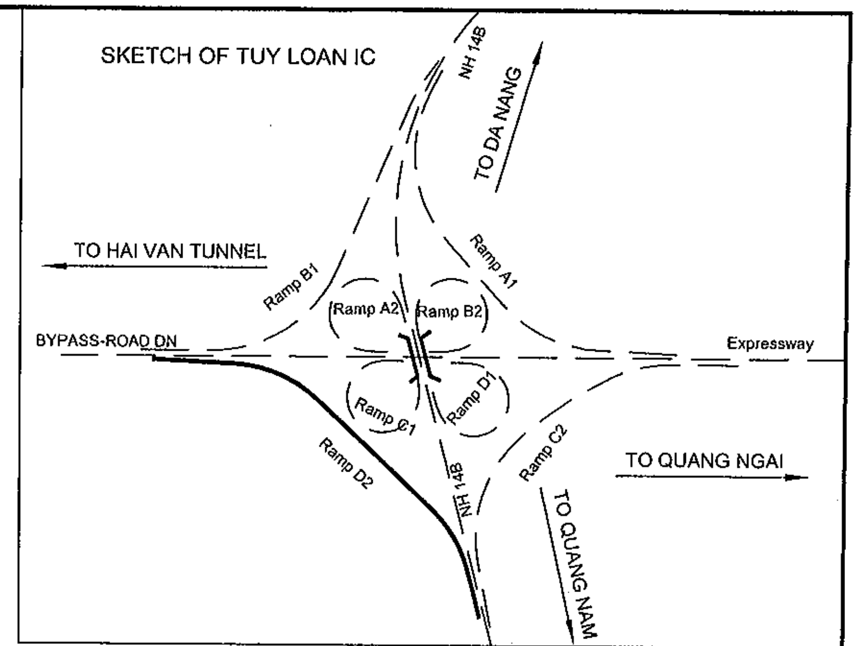


PROFILE ĐỘ DỐC DỌC	13.676	i=-0.553% L=149.717m							12.848	i=-2.000% L=202.973m									8.789	i=0.624% L=130.956m									9.606			
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ		13.606	13.495	13.385	13.274	13.164	13.041	12.864	12.629	12.336	11.985	11.589	11.189	10.789	10.389	9.989	9.602	9.307	9.117	9.032	9.052	9.163	9.288	9.413	9.538						
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	15.032	15.479	16.037	16.575	17.623	16.465	15.147	13.234	15.701	13.693	15.221	15.627	13.929	9.582	8.405	8.247	7.970	4.161	2.768	6.062	9.657	10.001	9.562	12.314	11.441	10.068					
STATION LÝ TRÌNH	0+100.000	0+120.000	0+140.000	0+160.000	0+180.000	0+200.000	0+220.000	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000	0+400.000	0+420.000	0+440.000	0+460.000	0+480.000	0+500.000	0+520.000	0+540.000	0+560.000	0+580.000	0+600.000						
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN		120.000	140.000	160.000	180.000	202.880 202.880	220.000	240.000	260.000	280.000	303.055 303.055	320.000	340.000	360.000	380.000	403.513 403.513	420.000	440.000	460.000	480.000	504.556 504.556	520.000	543.928 543.928	560.000	580.000							
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG		L=148.376m R=200.000m							A=100.000 L=50.000m			L=80.458m			A=134.164 L=60.000m				L=167.771m R=300.000m													
SUPER ELEVATION SIÊU CAO	2.000%								2.000%										2.000%								2.000%				
	0+116.809								0+269.184																						
	-2.000%								-2.000%										-2.000%								-2.000%				

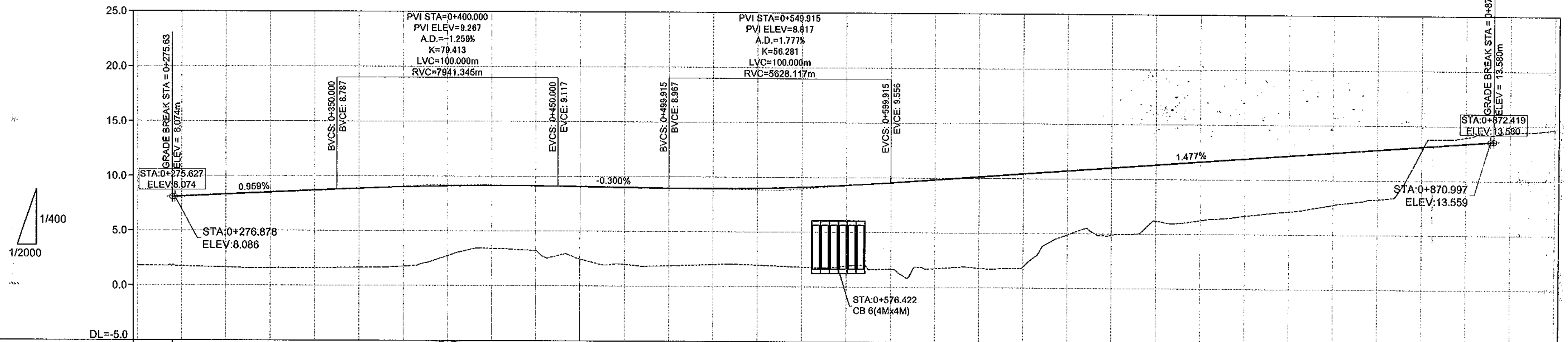
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: Station:	
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85				

	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN IC (PHASE 2)-NÚT GIAO TÚY LOAN (GIAI ĐOẠN 2)		
NAME	NGUYEN PHU DAT	A.MAGARIO	LISHIMOTO	PROFILE OF RAMP C2-TRẮC DỌC NHÁNH C2		
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG1-IC-PP-340	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\01.TUY LOAN IC.KM\1~350-0~9901 ALTERNATIVE1-CLOVERLEAF\A.CAD FILE\LAST FILES\ACAD-02.PLAN-PROFILE\TUY LOAN IC-PHASE 2.130115.DWG - SHEET: PROFILE - JAN 15, 2013



PROFILE OF RAMP D2
TRẮC DỌC RAMP D2



PROFILE / ĐỘ DỐC DỌC: 8.074 — i=0.959%, L=124.373m — 9.267 — i=-0.300%, L=149.915m — 8.817 — i=1.477%, L=322.504m — 13.580

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
0+260.000		1.812	
0+280.000	8.116	1.742	280.000
0+300.000	8.308	1.641	300.000
0+320.000	8.500	1.583	320.000
0+340.000	8.691	1.606	340.000
0+360.000	8.877	1.647	[illegible]
0+380.000	9.019	1.765	380.000
0+400.000	9.110	2.728	400.000
0+420.000	9.150	3.390	420.000
0+440.000	9.141	3.185	440.000
0+460.000	9.087	2.461	460.000
			468.221
0+480.000	9.027	1.985	480.000
0+500.000	8.967	1.873	500.000
0+520.000	8.943	2.006	520.000
0+540.000	8.990	1.965	540.000
0+560.000	9.108	1.810	560.000
			569.080
0+580.000	9.297	1.925	580.000
0+600.000	9.557	1.662	600.000
0+620.000	9.852	1.731	620.000
0+640.000	10.148	1.789	640.000
0+660.000	10.443	1.953	660.000
			674.493
0+680.000	10.738	4.896	680.000
0+700.000	11.034	4.886	700.000
0+720.000	11.329	6.207	720.000
0+740.000	11.624	6.271	740.000
0+760.000	11.920	6.699	760.000
			776.494
0+780.000	12.215	7.115	780.000
0+800.000	12.511	7.751	800.000
0+820.000	12.806	8.281	820.000
0+840.000	13.101	12.728	840.000
0+860.000	13.397	13.971	860.000
0+880.000		14.425	[illegible]
0+900.000		14.667	

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=85.387m, R=300.000m — A=134.164, L=60.000m — L=309.463m — A=102.470, L=50.000m — L=110.743m, R=210.000m

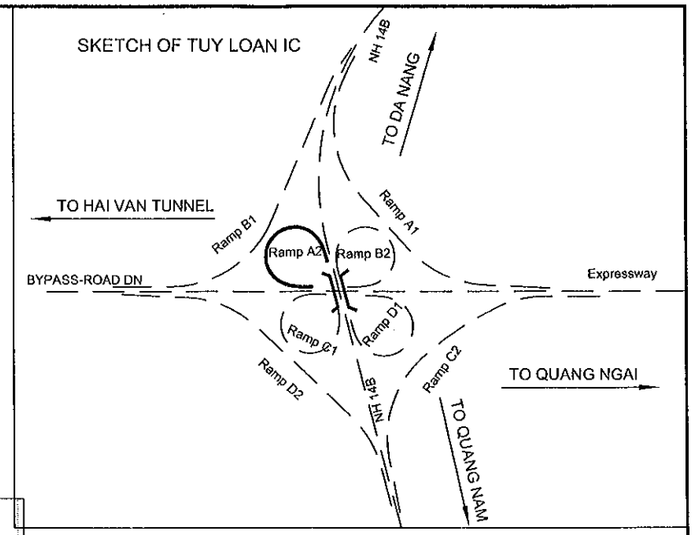
SUPER ELEVATION / SIÊU CAO: 2.000% / -2.000% (0+883.837)

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

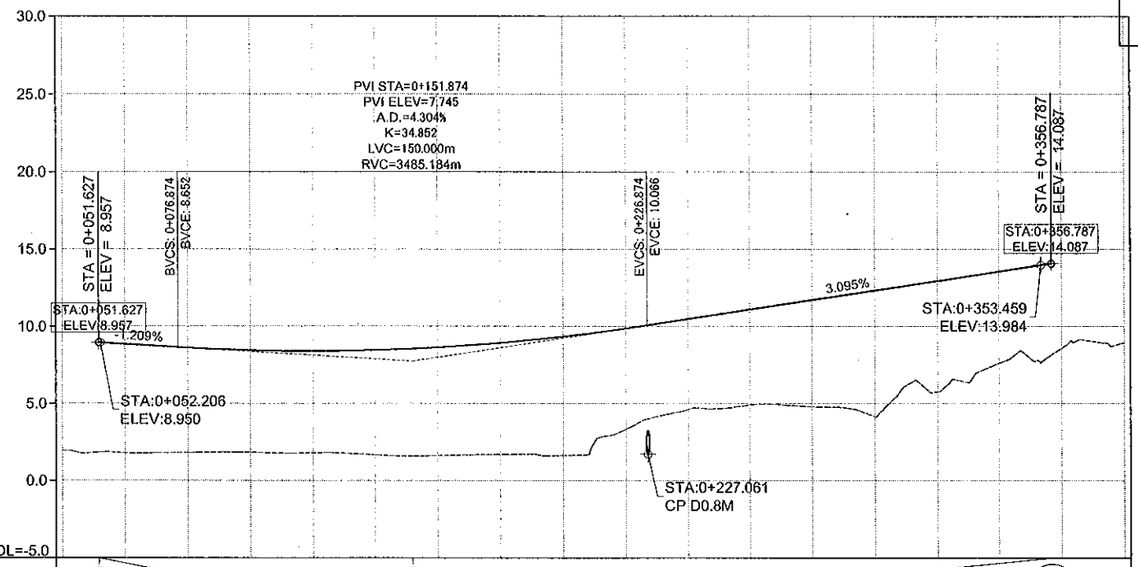
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN IC (PHASE 2)-NÚT GIAO TÚY LOAN (GIAI ĐOẠN 2)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP D2-TRẮC DỌC NHÁNH D2		
SIGNATURE	(signature)	(signature)	(signature)	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG1-IC-PP-350	3

PATH - D1_02.CAREER\ON-QN PROJECT\SIR.MAGA\01.TUY LOAN IC.KM0+-350-0+900\1.ALTERNATIVE1-CLOVERLEAF\A.CAD FILE\LAST FILES\ACAD-02.PLAN -PROFILE\TUY LOAN IC-PHASE 2.130115.DWG - SHEET: PROFILE - JAN 15, 2013



PROFILE OF RAMP A2
TRẮC DỌC RAMP A2



PROFILE ĐỘ DỐC DỌC	(8.957)	i=-1.209% L=100.247m					(7.745)	i=3.095% L=204.913m												(14.087)	
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ		8.856	8.615	8.449	8.397	8.460	8.638	8.931	9.338	9.860	10.472	11.091	11.710	12.329	12.948	13.567					
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	1.954	1.804	1.817	1.837	1.793	1.668	1.616	1.691	1.626	3.330	4.605	4.905	4.791	4.155	5.775	7.620	8.587	8.903			
STATION LÝ TRÌNH	0+040.000	0+060.000	0+080.000	0+100.000	0+120.000	0+140.000	0+160.000	0+180.000	0+200.000	0+220.000	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000			
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN			80.000	100.000	120.000	140.388 140.388	160.000	180.000	200.000	220.000	240.892 240.892	260.000 260.000	280.000	300.000	320.000	340.000 343.285	360.000				
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG			L=56.195m R=60.000m			A=103.923 L=60.000m			L=167.090m R=90.000m								A=73.485 L=60.000m				
SUPER ELEVATION SIÊU CAO		6.000% 0+060.000 -6.000%		6.000% 0+116.195 -6.000%			3.000% 0+176.195 -3.000%									3.000% 0+352.016 -3.000%					

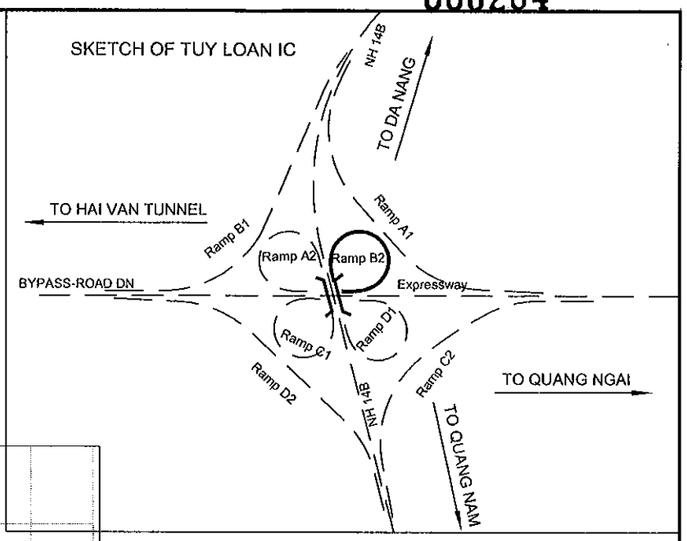
1/400
1/2000

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: Station:				
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN INTERCHANGE-NÚT GIAO TÚY LOAN PROFILE OF RAMP A2-TRẮC DỌC NHÁNH A2
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	
				SIGNATURE				SCALE: AS SHOW / DRAWING NO.: PKG1-IC-PP-360 / REV. NO.: 3
				DATE				

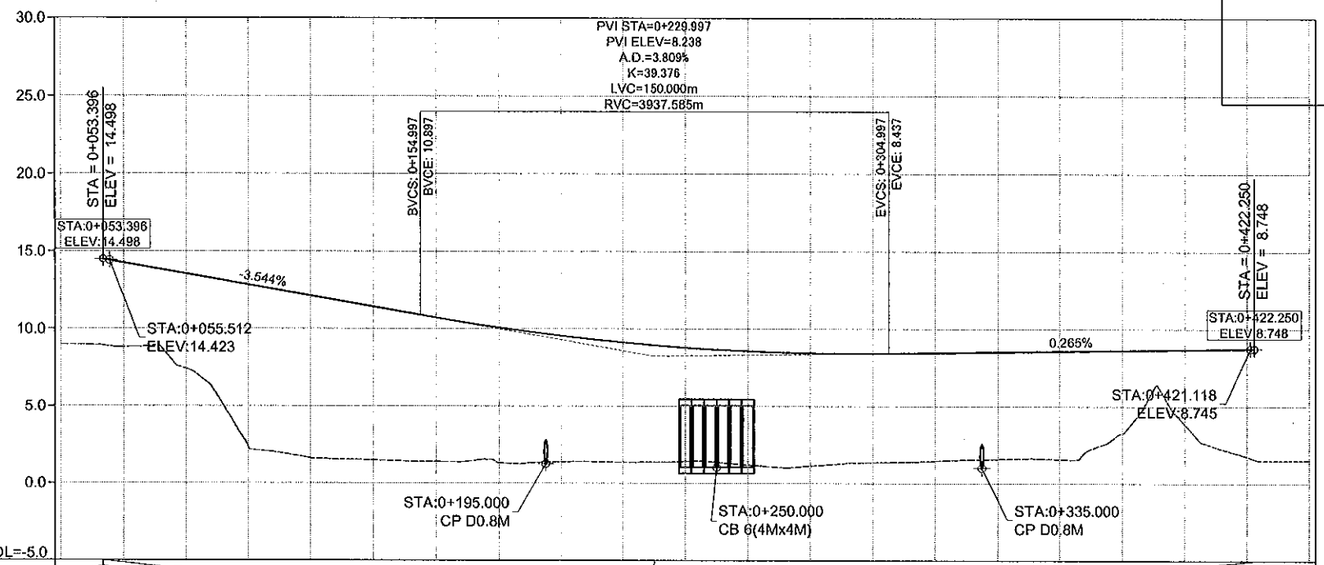
PATH - D:_02.CAREER\ON-QN PROJECT\SR.MAGARIO\1.TUY LOAN IC.KM0~350+0+900\1.ALTERNATIVE1-CLOVERLEAF\A.CAD FILE\LAST FILES\ADAD-02.PLAN-PROFILE\VO02.130116.DWG - SHEET: PROFILE - JAN 16, 2013

000204

SKETCH OF TUY LOAN IC



PROFILE OF RAMP B2
TRÁC DỌC RAMP B2



1/400
1/2000

PROFILE ĐỘ DỐC DỌC	(14.498)	i=-3.544% L=176.601m									(8.238)	i=0.265% L=192.253m										(8.748)
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ		14.264	13.555	12.846	12.137	11.428	10.723	10.090	9.559	9.129	8.801	8.575	8.450	8.427	8.477	8.530	8.583	8.636	8.689	8.742		
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	8.977	8.821	7.419	2.353	1.617	1.495	1.404	1.318	1.392	1.355	1.422	1.200	1.133	1.359	1.462	1.583	1.570	3.264	3.857	1.753	1.505	
STATION LÝ TRÌNH	0+040.000	0+060.000	0+080.000	0+100.000	0+120.000	0+140.000	0+160.000	0+180.000	0+200.000	0+220.000	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000	0+400.000	0+420.000	0+440.000	
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN		60.000		100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	260.000	280.000	300.000	320.000	340.000	360.000	380.000	400.000	420.000		
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG	A=80.000 L=80.000m										L=306.573m R=80.000m										A=90.000 L=101.250m	
SUPER ELEVATION SIÊU CAO	3.000% 0+080.000 -3.000%																	3.000% 0+386.573 -3.000%		2.000% 0+436.008 -2.000%		

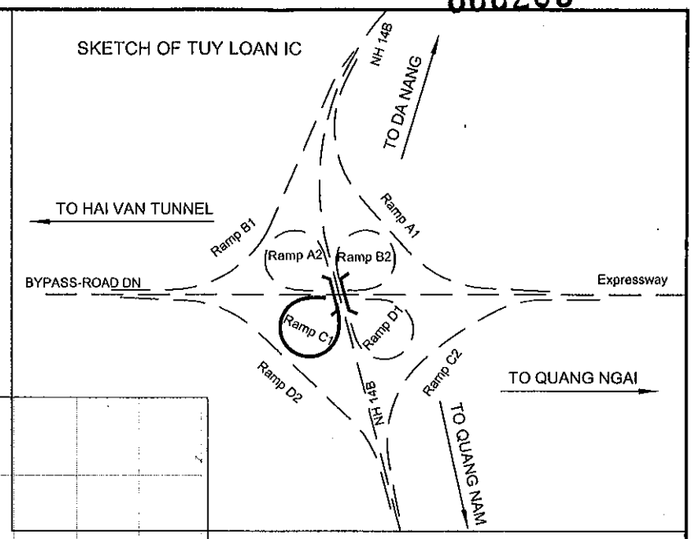
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

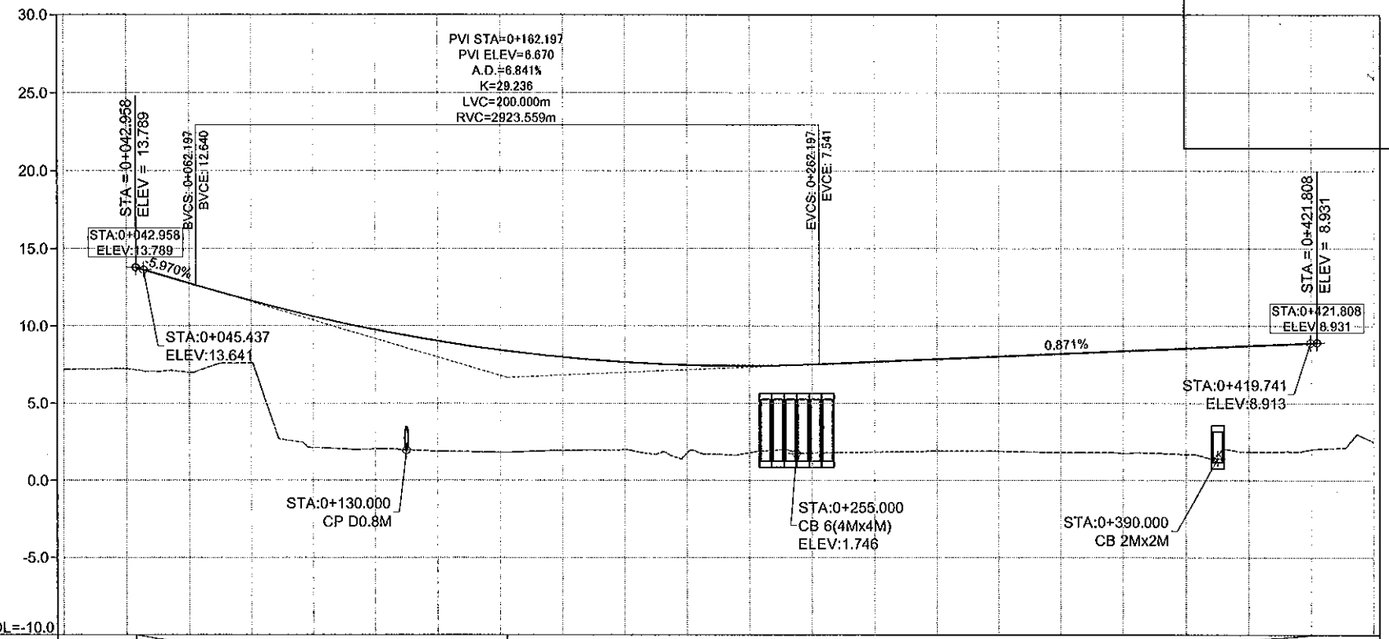
	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN INTERCHANGE-NÚT GIAO TÚY LOAN PROFILE OF RAMP B2-TRÁC DỌC NHÁNH B2		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG1-IC-PP-370	3

PATH - D:_02_CAREER\RON-DIN PROJECT\SIR2-MAGA\01.TUY LOAN IC-KM0+-350-0-90\01.ALTERNATIVE1-CLOVERLEAF\A.CAD FILE\LAST FILES\CAD-02.PLAN -PROFILE\VDO2.130116.DWG - SHEET: PROFILE - JAN 16, 2013

SKETCH OF TUY LOAN IC



TRẮC DỌC RAMP C1



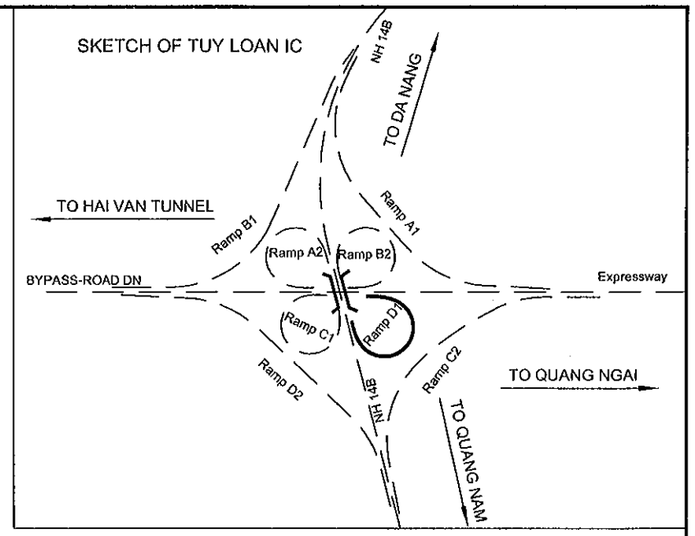
PROFILE ĐỘ DỐC DỌC	(13.789)	i=-5.970% L=119.239m						(6.670)	i=0.871% L=259.611m													(8.931)	
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ			12.772	11.632	10.628	9.761	9.031	8.437	7.981	7.661	7.478	7.432	7.523	7.696	7.870	8.044	8.219	8.393	8.567	8.741	8.915		
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	7.206	7.240	6.992	7.605	2.125	2.037	1.887	1.820	1.940	1.978	1.791	1.797	1.778	1.835	1.896	1.898	1.818	1.762	1.694	1.857	2.012	2.489	
STATION LÝ TRÌNH	0+020.000	0+040.000	0+060.000	0+080.000	0+100.000	0+120.000	0+140.000	0+160.000	0+180.000	0+200.000	0+220.000	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000	0+400.000	0+420.000	0+440.000		
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN		40.000		80.000	100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	260.000	280.000	300.000	320.000	340.000	360.000	380.000	400.000	420.000 422.824		
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG	A=60.000 L=60.000m		L=91.443m R=60.000m					A=50.000 L=41.667m		L=71.350m			A=54.772 L=50.000m		L=100.622m R=60.000m								
SUPER ELEVATION SIÊU CAO	2.000%	0+030.000	-2.000%	6.000%	0+060.000	-6.000%	6.000%	0+151.443	-6.000%	2.000%	0+193.109	-2.000%	2.000%	0+264.459	-2.000%	6.000%	0+314.459	6.000%	0+415.082	-6.000%			

1/400

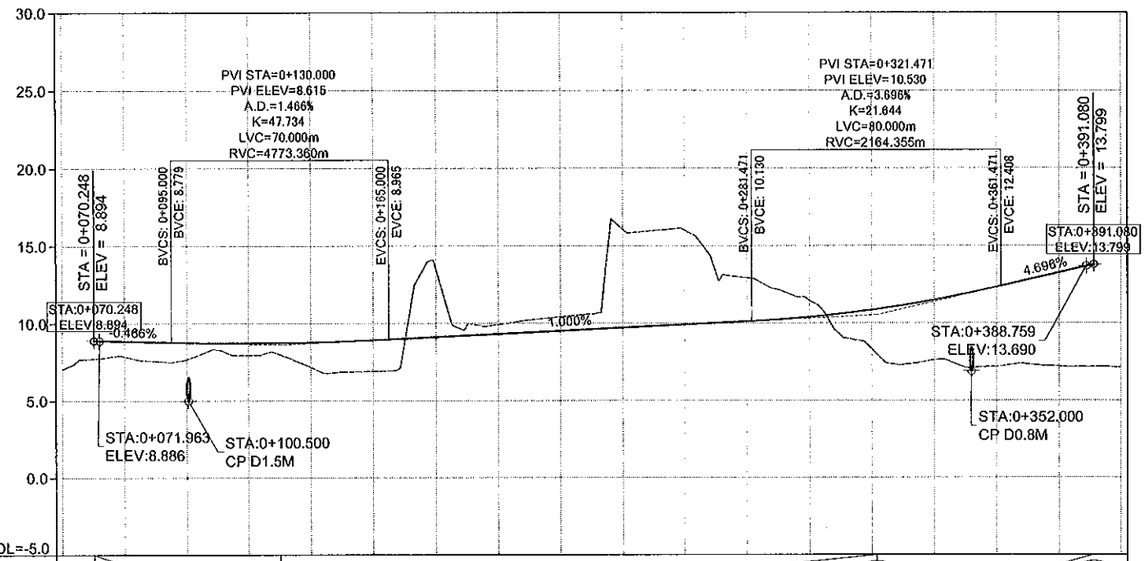
1/2000

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: Station:		
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.				
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME: NGUYEN PHU DAT / A.MAGARIO / I.ISHIMOTO		
				SIGNATURE / DATE		
				TUY LOAN INTERCHANGE-NÚT GIAO TÚY LOAN PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1		
				SCALE: AS SHOW	DRAWING NO.: PKG1-IC-PP-380	REV. NO.: 3

PATH - D:_02.CAREER\ON-QN PROJECTS\R.MAGA\01.TUY LOAN IC,KM0+-350-0+900\1 ALTERNATIVE\1-CLOVER\EAPA.CAD FILE\LAST FILES\ACAD-02.PLAN-PROFILE\VO02-130116.DWG - SHEET: PROFILE - JAN 16, 2013



PROFILE OF RAMP D1
TRẮC DỌC RAMP D1



PROFILE ĐỘ DỐC DỌC	(8.894)	i=-0.466% L=59.752m		(8.615)					i=1.000% L=191.471m						(10.530)	i=4.696% L=69.609m		(13.799)		
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ		8.849	8.758	8.727	8.781	8.918	9.115	9.315	9.515	9.715	9.915	10.115	10.395	10.858	11.507	12.340	13.279			
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	7.037	7.856	7.684	7.933	7.159	6.899	13.508	9.932	10.430	16.069	16.017	12.939	11.444	8.310	7.616	7.182	7.202	7.136		
STATION LÝ TRÌNH	0+060.000	0+080.000	0+100.000	0+120.000	0+140.000	0+160.000	0+180.000	0+200.000	0+220.000	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000	0+400.000		
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN		80.000	100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	260.000	280.000	300.000	320.000	340.000	360.000	380.000			
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG		L=271.785m R=80.000m																		
SUPER ELEVATION SIÊU CAO		3.000% 0+090.000 -3.000%														3.000% 0+361.785 -3.000%	2.000% 0+391.785 -2.000%			

1/400
1/2000

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TUY LOAN INTERCHANGE-NÚT GIAO TÚY LOAN		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP D1-TRẮC DỌC NHÁNH D1		
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG1-IC-PP-390	3

PATH - D:_02.CAREER\RDN-QN PROJECT\SIR.MAGAN01.TUY LOAN IC.KM0+350.0+90091.ALTERNATIVE1-CLOVERLEAF\A.CAD FILE\LAST FILES\ACAD-02.PLAN -PROFILE\VOL2.130116.DWG - SHEET: PROFILE - JAN 16, 2013

E2. MỸ SƠN INTERCHANGE
E2. NÚT GIAO MỸ SƠN

000208

PLAN OFMY SON INTERCHANGE

SCALE: 1/3000

Expressway
Box culvert-WW
STA: 13+030.420
Bxl=2x1.5m

Ramp B
Pipe culvert 1D80
STA: 0+333.336

Expressway
Pipe culvert 1D150
STA: 13+730.000

Ramp C1
Pipe culvert 1D150
STA: 0+268.000

Pipe culvert 1D150
STA: 0+054.545

TOLL PLAZA

PR 609

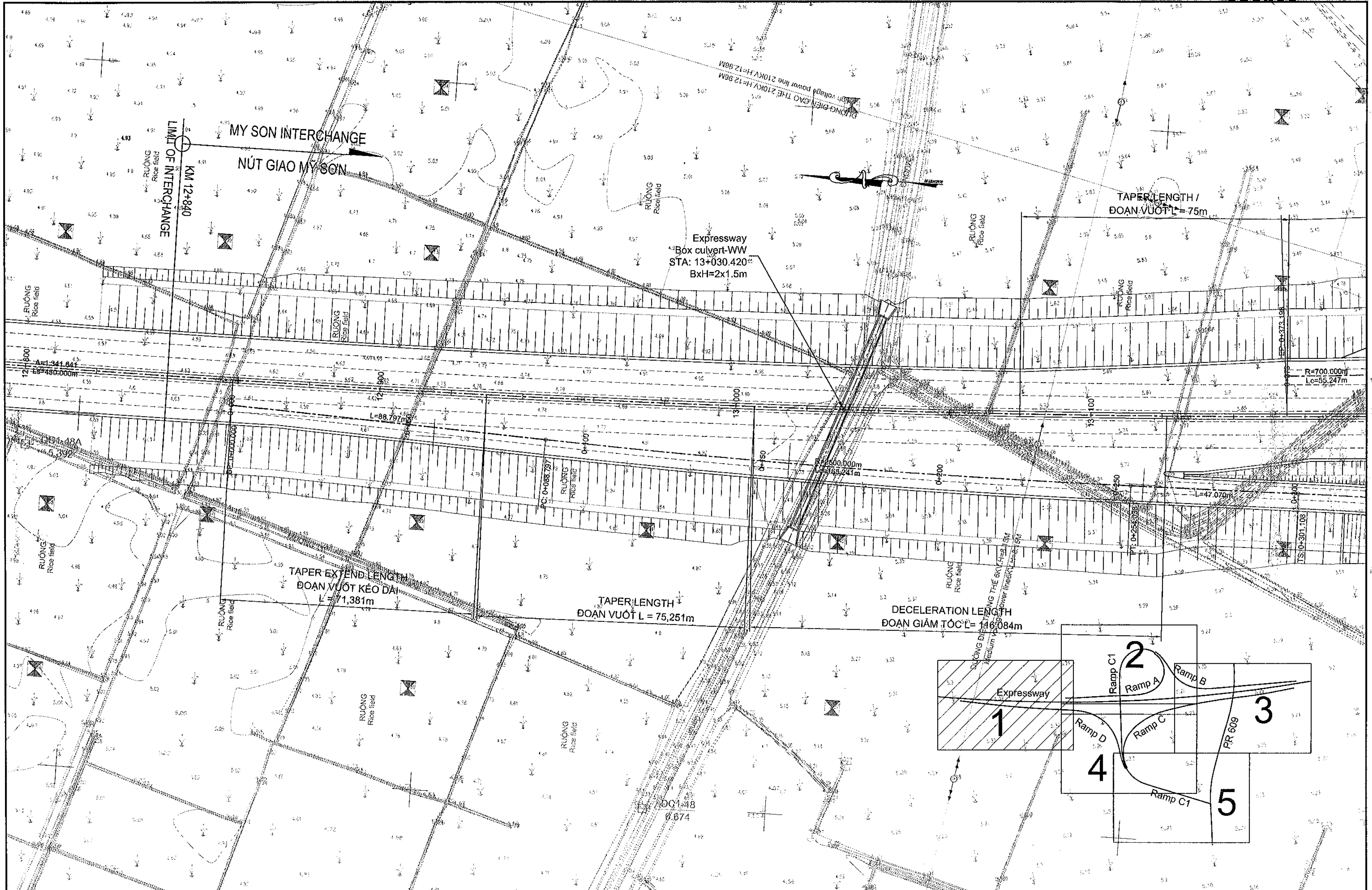
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	MY SON INTERCHANGE
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PLAN OF MY SON INTERCHANGE
SIGNATURE				SCALE: 1/3000
DATE				DRAWING NO.: PKG2-IC-PP- 010
				REV. NO.: 3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGARIO2.MY SON IC.KM12+600-13+600\02B.PLAN-MY SON IC.WITHOUT RELOCATE RIVER 90D.DWG - SHEET: 1-1000 - JAN 15, 2013 -



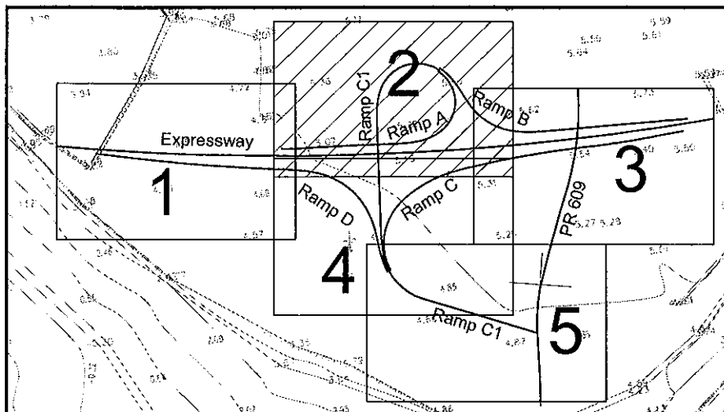
PATH - D1_02.CAREER\DN-QN PROJECT\SIR. MAGA\02.MY SON IC.KM12+800-13+800\026.PLAN-MY SON IC.WITHOUT RELOCATE RIVER 90D.DWG - SHEET: 1-1000 - JAN 15, 2013

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: Station:			
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO
				SIGNATURE	[signature]	[signature]	[signature]
				DATE			

PLAN OF MY SON INTERCHANGE (1/5)
MẶT BẰNG NÚT GIAO MỸ SƠN (1/5)

SCALE	DRAWING NO.	REV. NO.
1/1000	PKG2-IC-PP- 020	3

000210



Ramp B
Pipe culvert 1D80
STA: 0+333.336

ACCELERATION LENGTH
ĐOẠN TĂNG TỐC L=230m

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: Station;
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.		
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF MY SON INTERCHANGE (2/5) MẶT BẰNG NÚT GIAO MỸ SƠN (2/5)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/1000	PKG2-IC-PP- 030	3

PATH: - D:_02.CAREER\ON-GN PROJECT\SR.MAGH\02.MY SON IC.KM12+800-13+800\02B.PLAN-MY SON IC.WITHOUT RELOCATE RIVER 90D.DWG - SHEET: 1-1000 - JAN 15, 2013

Ramp B
Pipe culvert 1D80
STA: 0+333.336

MY SON INTERCHANGE
NÚT GIAO MỸ SƠN

Expressway

LIMIT OF INTERCHANGE

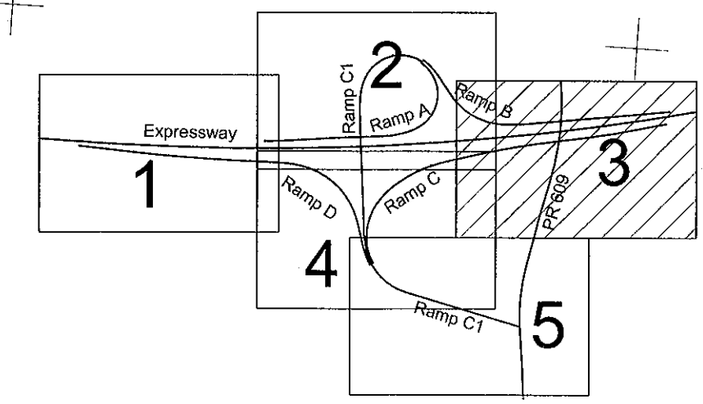
Ramp B

Expressway
Pipe culvert 1D150
STA: 13+540.934

ALI: Expressway
Pipe culvert 1D150
STA: 13+730.000

RUỘNG
Rice field

PR 609



PATH - D:_02.CAREERRIDGE\PROJECTS\IR.MAGA\02.MY SON IC.KM12+600~13+800\02B.PLAN\MY SON IC.WITHOUT RELOCATE RIVER 900.DWG - SHEET: 1-1000 - JAN 15, 2013

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: Station:					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF MY SON INTERCHANGE (3/5) MẶT BẰNG NÚT GIAO MỸ SƠN (3/5)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	SCALE	DRAWING NO. / REV. NO.
				SIGNATURE				1/1000	PKG2-IC-PP- 040 / 3
				DATE					

000212

ALI: Ramp C1
Pile culvert 1D150
STA: 0+386.000

Ramp C1
Pipe culvert 1D150
STA: 0+268.000

Ramp D
Ramp C
Ramp C1
Ramp A
Ramp B
Ramp C1
Ramp D
Ramp C
Ramp C1
Expressway
1
2
3
4
5
TOLL PLAZA
RUỘNG
Rice field

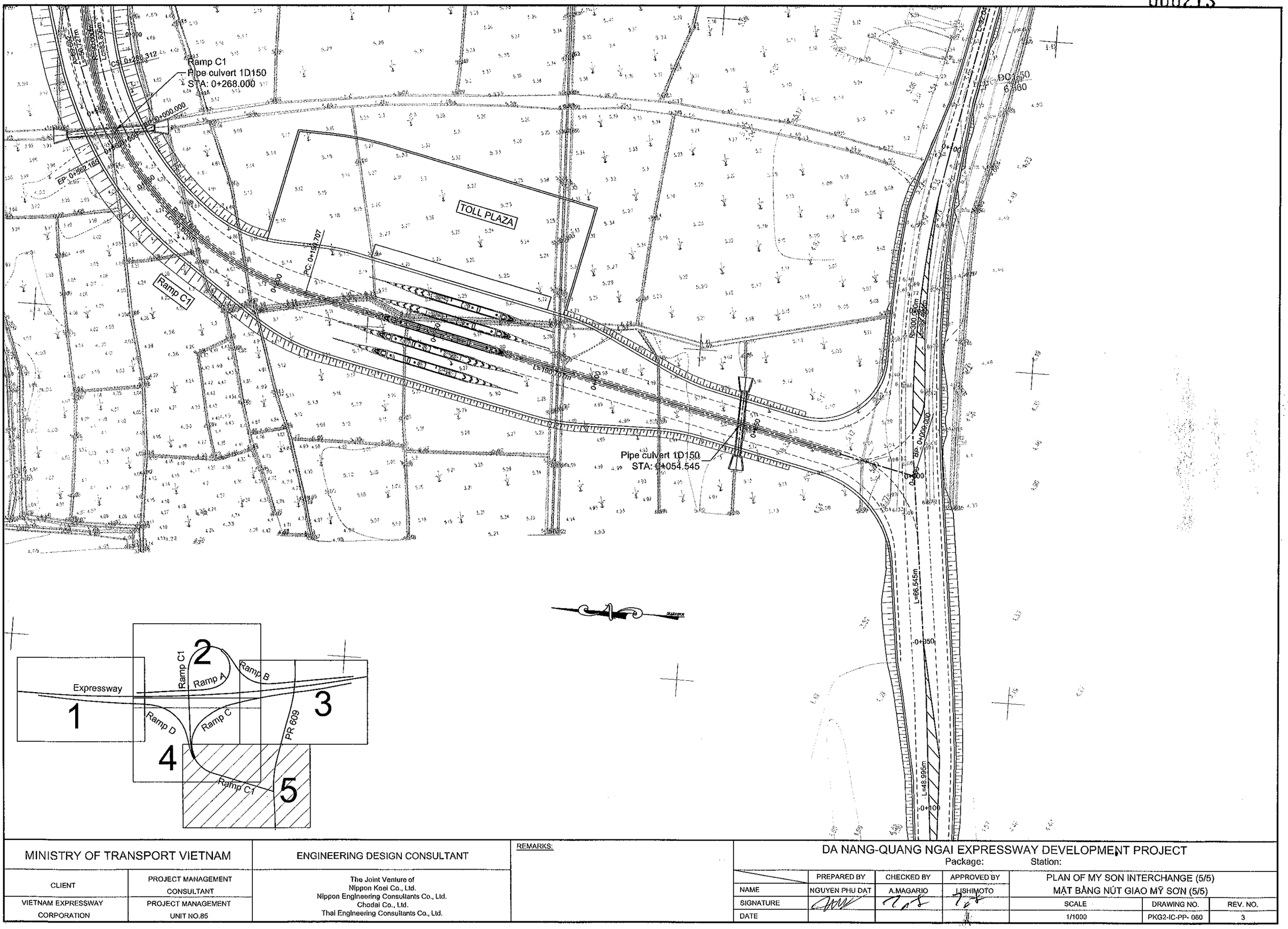
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF MY SON INTERCHANGE (4/5) MẶT BẰNG NÚT GIAO MỸ SƠN (4/5)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/1000	PKG2-IC-PP- 050	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR-MAGA\02.MY SON IC,KM12+800-13+800\02S PLAN-MY SON IC,WITHOUT RELOCATE RIVER 90D.DWG - SHEET: 1-1000 - JAN 15, 2013

000213



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

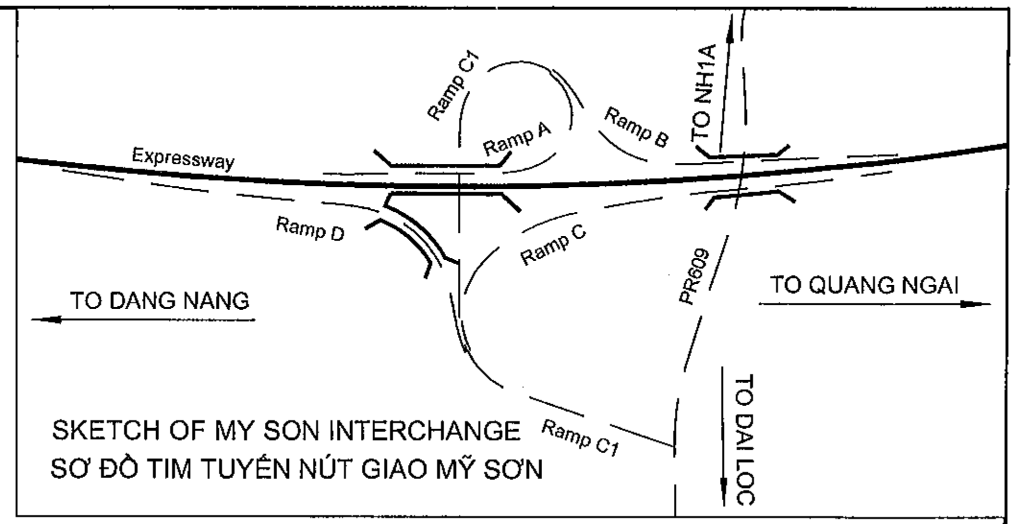
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO
SIGNATURE			
DATE			

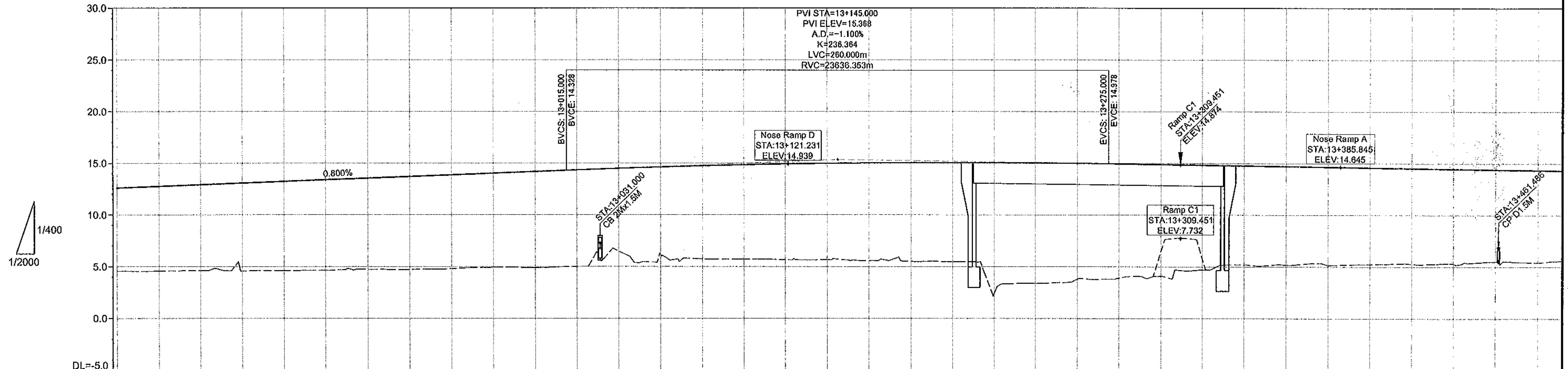
PLAN OF MY SON INTERCHANGE (5/5)
MẶT BẰNG NÚT GIAO MỸ SƠN (5/5)

SCALE	DRAWING NO.	REV. NO.
1/1000	PKG2-IC-PP- 060	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\02.MY SON IC.KM12+600-13+600\02B.PLAN-MY SON IC.WITHOUT RELOCATE RIVER 90D.DWG - SHEET: 1-1000 - JAN 15, 2013



Profile of DN-QN Expressway
Trắc dọc DN-QN Expressway



PROFILE / ĐỘ DỐC DỌC: 12.025 — i=0.800%, L=417.858m — 15.368 — i=-0. L=113

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
12+800.000	12.608	4.553	
12+820.000	12.768	4.569	12820.000
12+840.000	12.928	4.614	12840.000
12+860.000	13.088	4.567	12860.000
12+880.000	13.248	4.602	12880.000
12+900.000	13.408	4.622	12900.000 / 12901.888
12+920.000	13.568	4.730	12920.000
12+940.000	13.728	4.720	12940.000
12+960.000	13.888	4.798	12960.000
12+980.000	14.048	4.921	12980.000
13+000.000	14.208	4.896	13000.000 / 13002.430
13+020.000	14.367	5.002	13020.000
13+040.000	14.515	6.484	13040.000
13+060.000	14.645	6.159	13060.000
13+080.000	14.758	5.740	13080.000
13+100.000	14.855	5.699	13100.000 / 13107.226
13+120.000	14.935	5.656	13120.000
13+140.000	14.997	5.653	13140.000
13+160.000	15.043	5.582	13160.000
13+180.000	15.072	5.509	13180.000
13+200.000	15.084	5.470	13200.000 / 13210.313
13+220.000	15.079	2.410	13220.000
13+240.000	15.057	3.393	13240.000
13+260.000	15.018	3.812	13260.000
13+280.000	14.963	3.907	13280.000
13+300.000	14.903	4.111	13300.000 / 13312.249
13+320.000	14.843	4.691	13320.000
13+340.000	14.783	5.188	13340.000
13+360.000	14.723	5.174	13360.000
13+380.000	14.663	5.153	13380.000
13+400.000	14.603	5.249	13400.000 / 13415.953
13+420.000	14.543	5.283	13420.000
13+440.000	14.483	5.295	13440.000
13+460.000	14.423	5.525	13460.000
13+480.000	14.363	5.409	13480.000

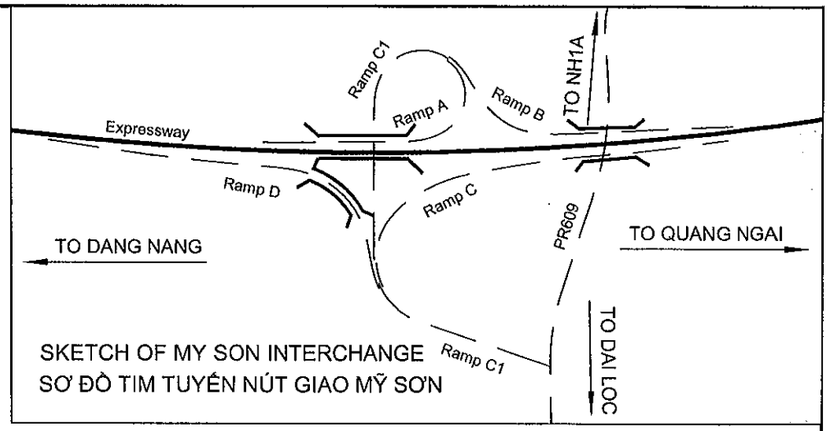
HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: A=1.341.641, Ls=450.000m | L=1321.199m, R=4000.000m

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

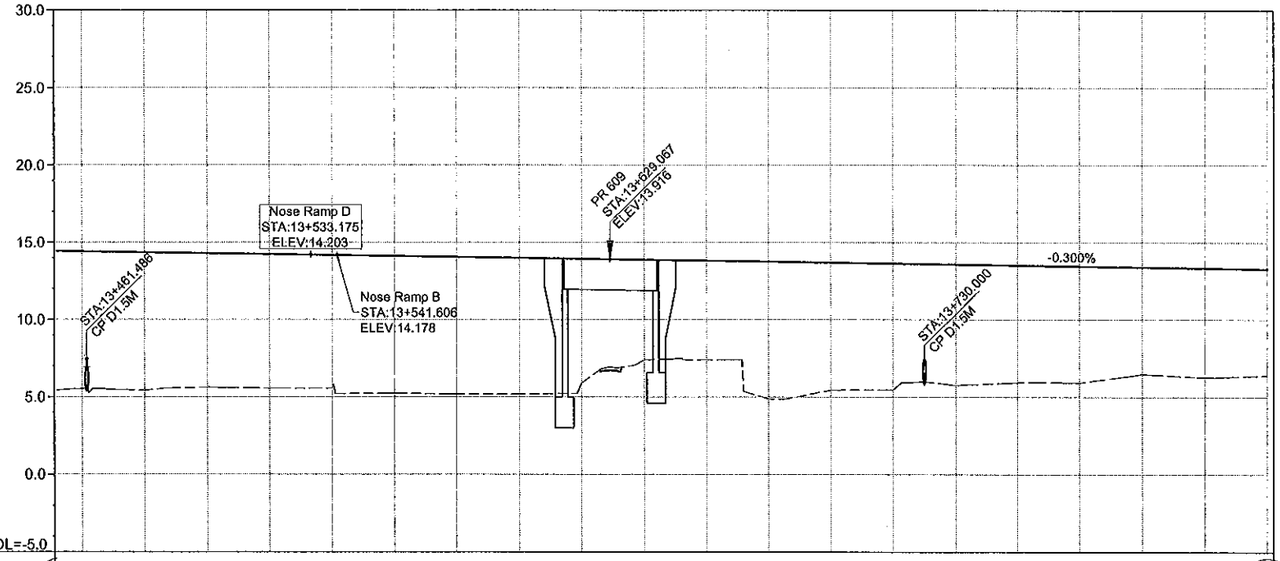
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	MY SON INTERCHANGE-NÚT GIAO MỸ SƠN	
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(1/2)	
SIGNATURE	[signature]	[signature]	[signature]	SCALE	DRAWING NO. / REV. NO.
DATE				AS SHOW	PKG2-IC-PP-070 / 3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR..MAGA\02.MY SON IC.KM12+800-13+800\ACAD-MY SON IC\LAST FILES\ACAD-028.PROFILE&DAYLIGHT-MY SON IC.121004.DWG - SHEET: PROFILE - JAN 12, 2013



SKETCH OF MY SON INTERCHANGE
SƠ ĐỒ TIM TUYẾN NÚT GIAO MỸ SƠN



1/400
1/2000

PROFILE ĐỘ DỐC DỌC	i=-0.300% L=1135.000m																			(11.963)
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	14.423	14.363	14.303	14.243	14.183	14.123	14.063	14.003	13.943	13.883	13.823	13.763	13.703	13.643	13.583	13.523	13.463	13.403	13.343	13.283
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	5.525	5.409	5.610	5.550	5.560	5.230	5.170	5.180	5.911	7.390	7.390	4.870	5.440	5.452	5.760	5.940	5.930	6.480	6.260	6.400
STATION LÝ TRÌNH	13+460.000	13+480.000	13+500.000	13+520.000	13+540.000	13+560.000	13+580.000	13+600.000	13+620.000	13+640.000	13+660.000	13+680.000	13+700.000	13+720.000	13+740.000	13+760.000	13+780.000	13+800.000	13+820.000	13+840.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	13460. 000	13480. 000	13500. 000	13519. 882	13540. 000	13560. 000	13580. 000	13600. 000	13620. 000 13625. 986	13640. 000	13660. 000	13680. 000	13700. 000	13720. 000 13726. 478	13740. 000	13760. 000	13780. 000	13800. 000	13820. 000	13827. 991
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG	L=1321.199m R=4000.000m																			

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

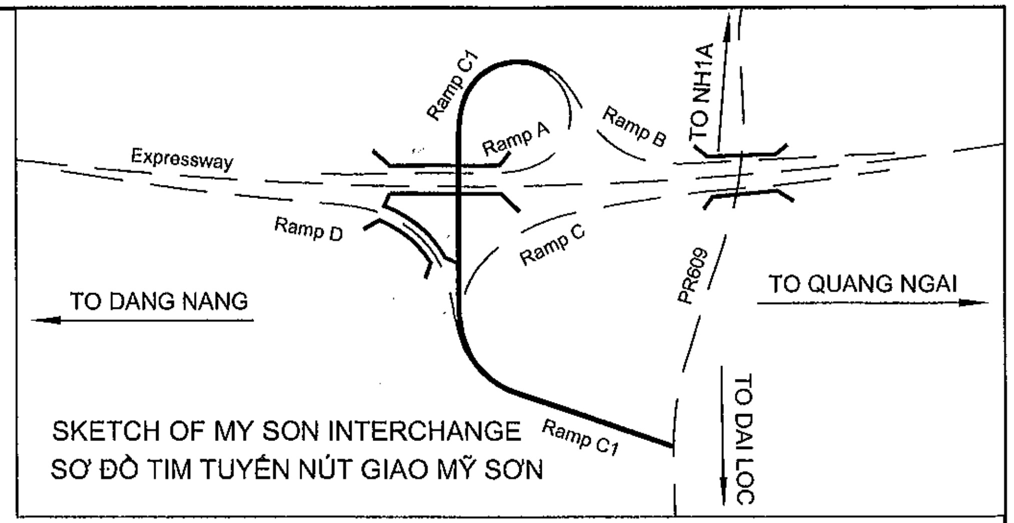
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	LISHIMOTO
SIGNATURE			
DATE			

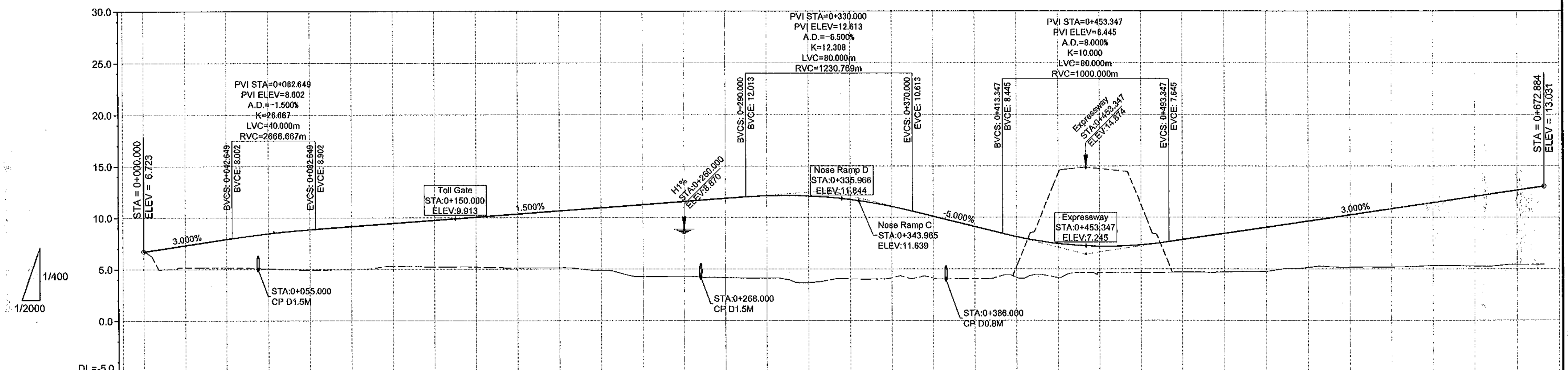
MY SON INTERCHANGE-NÚT GIAO MỸ SƠN
PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(2/2)

SCALE	DRAWING NO.	REV. NO.
AS SHOW	PKG2-IC-PP-0130	3

PATH - D:_02.CAREER\DN-QN PROJECT\SR.MAGA\02.MY SON IC.KM12+800-13+800\CAD-MY SON IC\LAST FILES\4.CAD-02\5.PROFILE\DATLIGHT-MY SON IC.121004.DWG - SHEET: PROFILE - JAN 12, 2013



Profile of Ramp C1
Trắc dọc Ramp C1



PROFILE / ĐỘ DỐC DỌC: 6.723 — i=3.000%, L=62.649m — 8.602 — i=1.500%, L=267.351m — 12.613 — i=-5.000%, L=123.347m — 6.445 — i=3.000%, L=219.537m — 13.031

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
-0+010.000			-10.000
0+000.000	6.723	6.603	
0+020.000	7.323	5.161	20.000
0+040.000	7.923	5.153	40.000
0+060.000	8.467	5.036	60.000
0+080.000	8.861	4.925	80.000
0+100.000	9.163	4.985	[illegible] / 100.000
0+120.000	9.463	5.294	120.000
0+140.000	9.763	5.220	140.000
0+160.000	10.063	5.202	160.000
0+180.000	10.363	5.119	180.000
0+200.000	10.663	5.121	[illegible] / 200.000
0+220.000	10.963	4.859	220.000
0+240.000	11.263	4.266	240.000
0+260.000	11.563	4.281	260.000
0+280.000	11.863	4.157	280.000
0+300.000	12.122	4.110	[illegible] / 300.000
0+320.000	12.097	3.666	320.000
0+340.000	11.747	4.033	340.000
0+360.000	11.072	4.141	360.000
0+380.000	10.113	4.095	380.000
0+400.000	9.113	4.029	400.000
			405.511
0+420.000	8.135	4.176	420.000
0+440.000	7.468	4.142	440.000
0+460.000	7.201	4.626	460.000
0+480.000	7.334	4.643	480.000
0+500.000	7.845	4.672	500.000
			505.764
0+520.000	8.445	4.701	520.000
0+540.000	9.045	4.771	540.000
0+560.000	9.645	5.129	560.000
0+580.000	10.245	5.146	580.000
0+600.000	10.845	5.172	600.000
			606.402
0+620.000	11.445	5.312	620.000
0+640.000	12.045	5.263	640.000
0+660.000	12.645	5.418	660.000
0+680.000			680.000

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=190.707m | L=95.605m, R=92.750m | A=60.000, L=38.814m | L=170.325m | A=70.819, L=79.925m | L=97.507m, R=62.750m

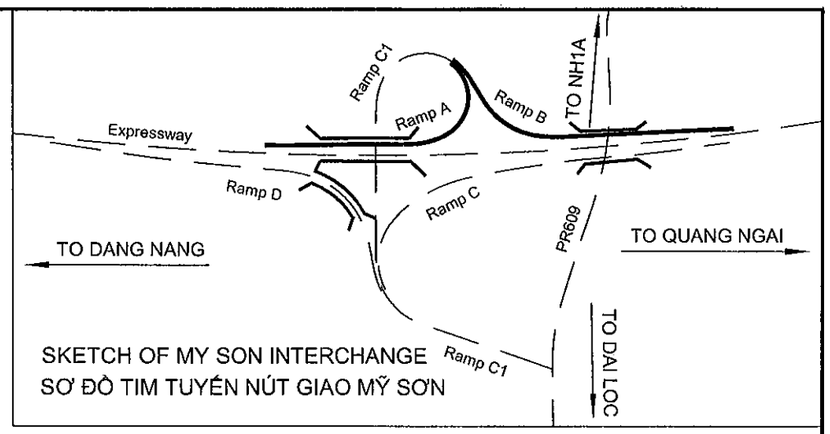
SUPER ELEVATION / SIÊU CAO:
-2.000% / -2.000% — 0+173.207 — 0+208.207 — 3.000% / -3.000% — 0+290.126 — 3.000% / -3.000% — 0+325.126 — -2.000% / -2.000% — 0+495.451 — -2.000% / -2.000% — 0+551.451 — 6.000% / -6.000% — 6.000% / -6.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

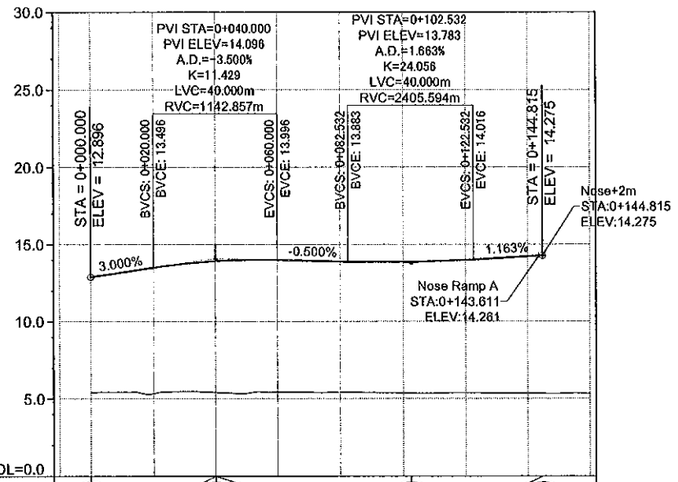
	PREPARED BY	CHECKED BY	APPROVED BY	MY SON INTERCHANGE-NÚT GIAO MỸ SƠN		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1		
SIGNATURE	(signature)	(signature)	(signature)	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG2-IC-PP-090	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\02.MY SON IC.KM12+800-13+800\ACAD-MY SON IC\LAST FILES\ACAD-02B.PROFILE&DAYLIGHT-MY SON IC.121004.DWG - SHEET: PROFILE - JAN 12, 2013



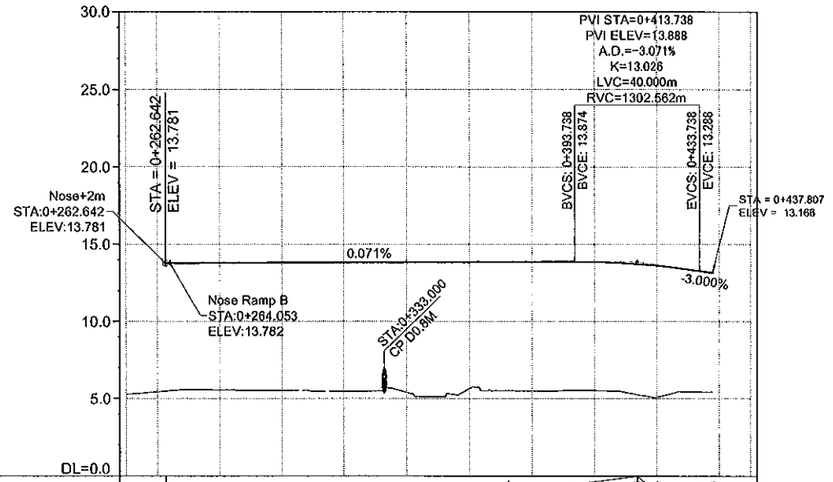
SKETCH OF MY SON INTERCHANGE
SƠ ĐỒ TIM TUYẾN NÚT GIAO MỸ SƠN

Profile of Ramp A
Trắc dọc Ramp A



PROFILE ĐỘ DỐC DỌC	12.896	i=3.000% L=40.000m	14.096	i=-0.500% L=62.532m	13.783	i=1.163% L=42.283m	14.275
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	12.896	13.496	13.921	13.996	13.896	13.859	13.988	14.219
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	5.419	5.345	5.413	5.417	5.414	5.364	5.377	5.349	5.326
STATION LÝ TRÌNH	-0+010.000	0+000.000	0+020.000	0+040.000	0+060.000	0+080.000	0+100.000	0+120.000	0+140.000	0+160.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	-10. 000		20. 000	40. 000	60. 000	80. 000	91. 079	100. 000	120. 000	140. 000	
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG	L=104.091m R=60.000m							A=75.000 L=92.338m	
SUPER ELEVATION SIÊU CAO	6.000%						2.000%	
	0+104.091						0+180.839.091	
	-6.000%						-2.000%	

Profile of Ramp B
Trắc dọc Ramp B



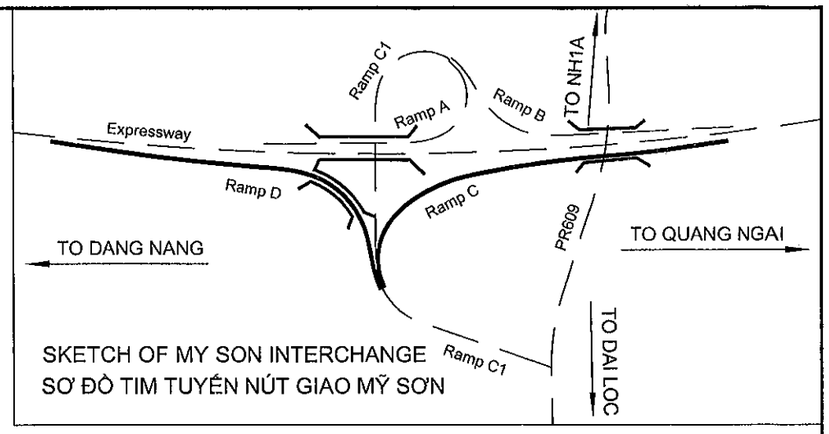
PROFILE ĐỘ DỐC DỌC	13.781	i=0.071% L=151.096m	13.888	i=-3.000% L=24.069m	13.166
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	13.793	13.807	13.822	13.836	13.850	13.864	13.863	13.628
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	5.276	5.443	5.555	5.537	5.463	5.411	5.662	5.504	5.538	5.098
STATION LÝ TRÌNH	0+250.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000	0+400.000	0+420.000	0+440.000	0+450.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	260. 000	280. 000	300. 000	320. 000	340. 000	350. 329	360. 000	380. 000	400. 000	420. 000	440. 000	450. 000
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG	A=88.435 L=78.207m	L=51.852m R=100.000m	A=60.000 L=36.000m	A=60.000 L=54.962m
SUPER ELEVATION SIÊU CAO	2.000%	2.000%	-2.000%	6.000%
	0+339.346	0+481.614
	-2.000%	-2.000%	2.000%	-6.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

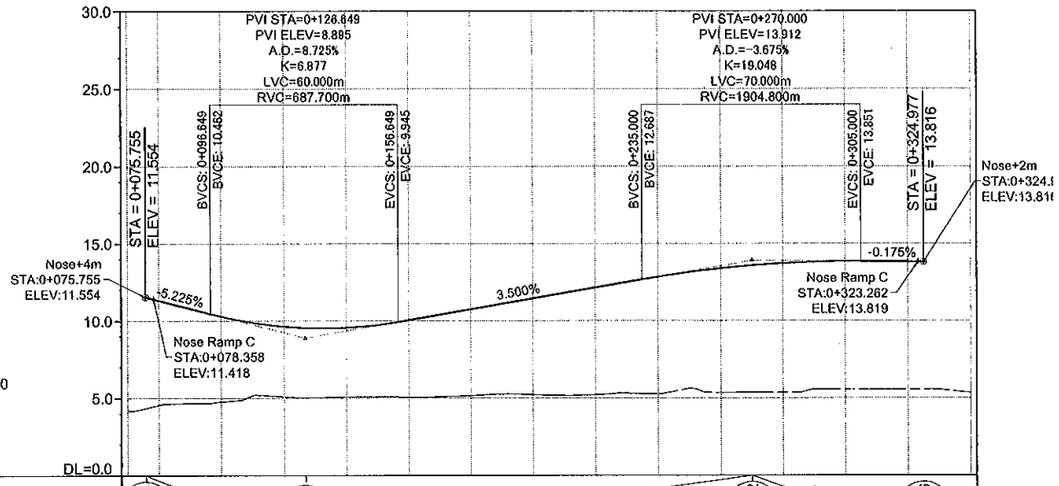
	PREPARED BY	CHECKED BY	APPROVED BY	MY SON INTERCHANGE-NÚT GIAO MỸ SƠN		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP A&B-TRẮC DỌC NHÁNH A&B		
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG2-IC-PP-100	3

PATH - D:_02.CAREERJDN-QN PROJECT\SIR.MAGARIO2.MY SON IC.KM12+800-13+800\ACAD-MY SON IC\LAST FILES\ACAD-02B.PROFILE&BAYLIGHT-MY SON IC.121004.DWG - SHEET: PROFILE - JAN 12, 2013



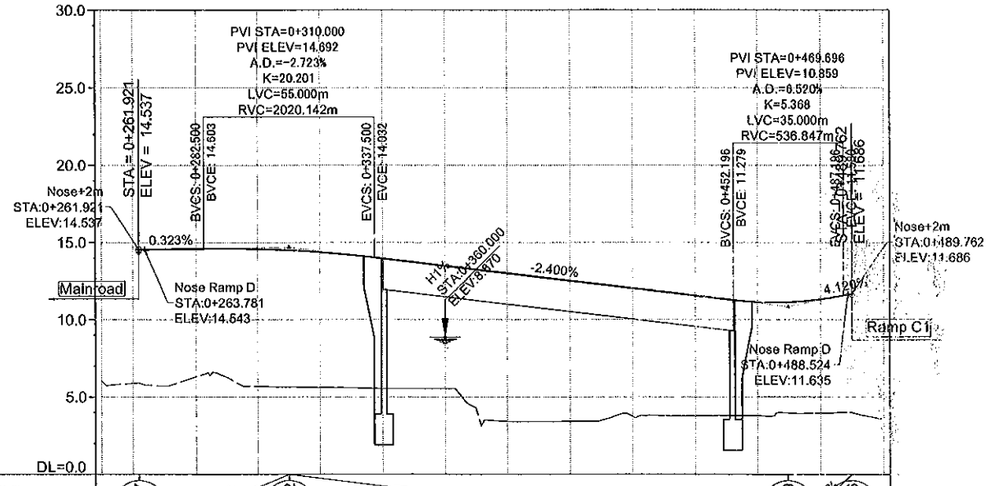
SKETCH OF MY SON INTERCHANGE
SƠ ĐỒ TIM TUYẾN NÚT GIAO MỸ SƠN

Profile of Ramp C
Trắc dọc Ramp C



PROFILE ĐỘ DỐC DỌC	11.554	l=-5.225% L=50.894m	8.895	l=3.500% L=143.351m	13.912	l=-0.175% L=54.977m	13.816
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	11.332	10.295	9.639	9.564	10.062	10.762	11.462	12.162	12.856	13.398	13.731	13.853	13.825
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	4.187	4.553	4.768	5.087	5.075	5.065	5.167	5.211	5.211	5.272	5.341	5.353	5.543	5.540	5.348
STATION LÝ TRÌNH	0+070.000	0+080.000	0+100.000	0+120.000	0+140.000	0+160.000	0+180.000	0+200.000	0+220.000	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	80.000	100.000	120.000	140.000	160.000	172.623	180.000	200.000	220.000	240.000	260.000	275.085 280.000	300.000	320.000	332.700
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG		A=100.000 L=61.111m		L=55.405m R=200.000m		A=100.000 L=43.333m		L=178.083m R=1500.000m							
SUPER ELEVATION SIÊU CAO	-3.000%	-2.000%	0+074.309	0+093.309	-2.000%									-2.000%	
	3.000%	2.000%			2.000%									2.000%	

Profile of Ramp D
Trắc dọc Ramp D



PROFILE ĐỘ DỐC DỌC	14.537	l=0.323% L=48.079m	14.692	l=-2.400% L=159.696m	10.859	l=4.120% L=40.666m	11.686
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	14.595	14.584	14.376	13.972	13.492	13.012	12.532	12.052	11.572	11.149	11.332
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	6.035	5.886	6.303	5.684	5.613	5.548	5.539	3.418	3.414	3.747	3.781	3.794	3.950	3.558
STATION LÝ TRÌNH	0+250.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000	0+400.000	0+420.000	0+440.000	0+460.000	0+480.000	0+500.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	260.000	280.000	300.000	320.000	340.000	351.886	360.000	380.000	400.000	420.806	440.000	452.609	460.000	480.000	
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG		L=47.070m		A=90.624 L=68.440m		L=101.520m R=120.000m							A=69.602 L=40.370m		
SUPER ELEVATION SIÊU CAO	2.000%		2.000%		-2.000%									0+499.776	
	-2.000%													2.000%	

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

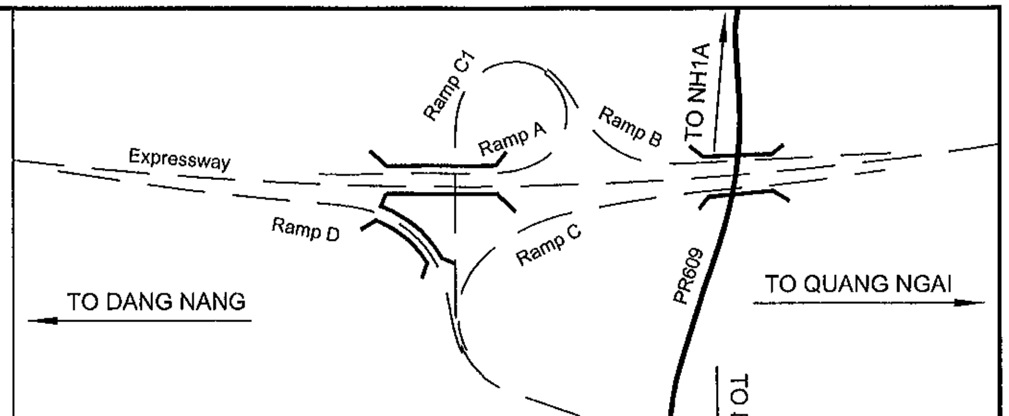
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO
SIGNATURE			
DATE			

MY SON INTERCHANGE-NÚT GIAO MỸ SƠN
PROFILE OF RAMP C&D-TRẮC DỌC NHÁNH C&D

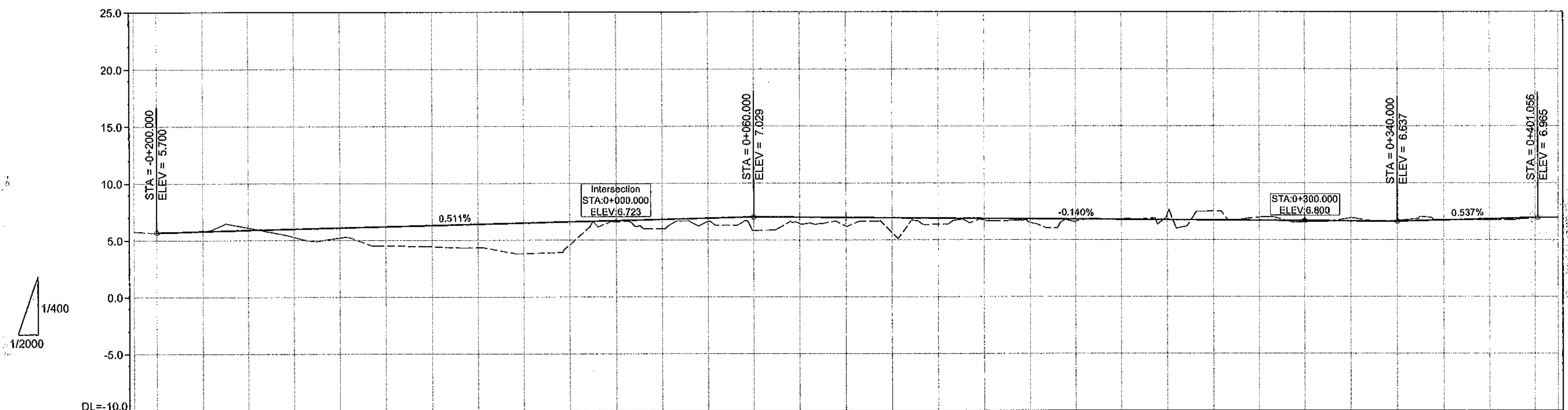
SCALE	DRAWING NO.	REV. NO.
AS SHOW	PKG2-IC-PP-110	3

PATH: - DL: 02.CAREER\DN-DN PROJECT\SIR.MAGA\02.MY SON IC.KM12+800\CAD\MY SON IC\LAST FILES\CAD-128.PROFILE\DAYLIGHT-MY SON IC.121004.DWG - SHEET: PROFILE - JAN 12, 2013



SKETCH OF MY SON INTERCHANGE
SƠ ĐỒ TIM TUYẾN NÚT GIAO MỸ SƠN

Profile of PR 609
Trắc dọc PR 609



PROFILE / ĐỘ DỐC DỌC: 5.700 — i=0.511% L=260.000m — 7.029 — i=-0.140% L=280.000m — 6.637 — i=0.537% L=61.056m — 6.965

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN
-0+210.000		5.788
-0+200.000	5.700	5.668
-0+180.000	5.802	5.808
-0+160.000	5.905	6.111
-0+140.000	6.007	5.285
-0+120.000	6.109	5.228
-0+100.000	6.211	4.515
-0+080.000	6.314	4.441
-0+060.000	6.416	4.359
-0+040.000	6.518	3.824
-0+020.000	6.620	4.603
0+000.000	6.723	6.603
0+020.000	6.825	6.002
0+040.000	6.927	6.628
0+060.000	7.029	5.841
0+080.000	7.001	6.444
0+100.000	6.973	6.233
0+120.000	6.945	5.643
0+140.000	6.917	6.382
0+160.000	6.889	6.743
0+180.000	6.861	6.539
0+200.000	6.833	6.655
0+220.000	6.805	6.789
0+240.000	6.777	7.295
0+260.000	6.749	7.532
0+280.000	6.721	6.983
0+300.000	6.693	6.566
0+320.000	6.665	6.931
0+340.000	6.637	6.706
0+360.000	6.744	6.760
0+380.000	6.852	6.767
0+400.000	6.959	6.943
0+410.000		6.968

ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN: -200.000, -180.000, -160.000, -140.000, -120.000, -106.101, -100.000, -80.000, -60.000, -40.000, -20.000, -1.785, 20.000, 40.000, 60.000, 80.000, 100.000, 120.000, 140.000, 160.000, 180.000, 200.000, 205.288, 220.000, 240.000, 260.000, 280.000, 300.000, 306.253, 320.000, 325.825, 340.000, 360.000, 380.000, 400.000, 406.508

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=32.574m R=500.000m | A=187.083 L=70.000m | L=48.995m | L=66.545m | L=95.494m R=300.000m | L=92.043m | L=51.628m | L=173.320m R=450.000m

SUPER ELEVATION / SIÊU CAO: -2.000% 2.000% 2.000% -2.000% -2.000% 2.000% 2.000%
-0+018.000 0+004.000 0+091.494 0+113.494 0+222.497 0+242.497 0+409 152
-2.000% -2.000% -2.000% -2.000% -2.000% -2.000% -2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	MY SON INTERCHANGE-NÚT GIAO MỸ SƠN		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF PR 609-TRẮC DỌC ĐƯỜNG TỈNH 609		
SIGNATURE	[signature]	[signature]	[signature]	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG2-IC-PP-120	3

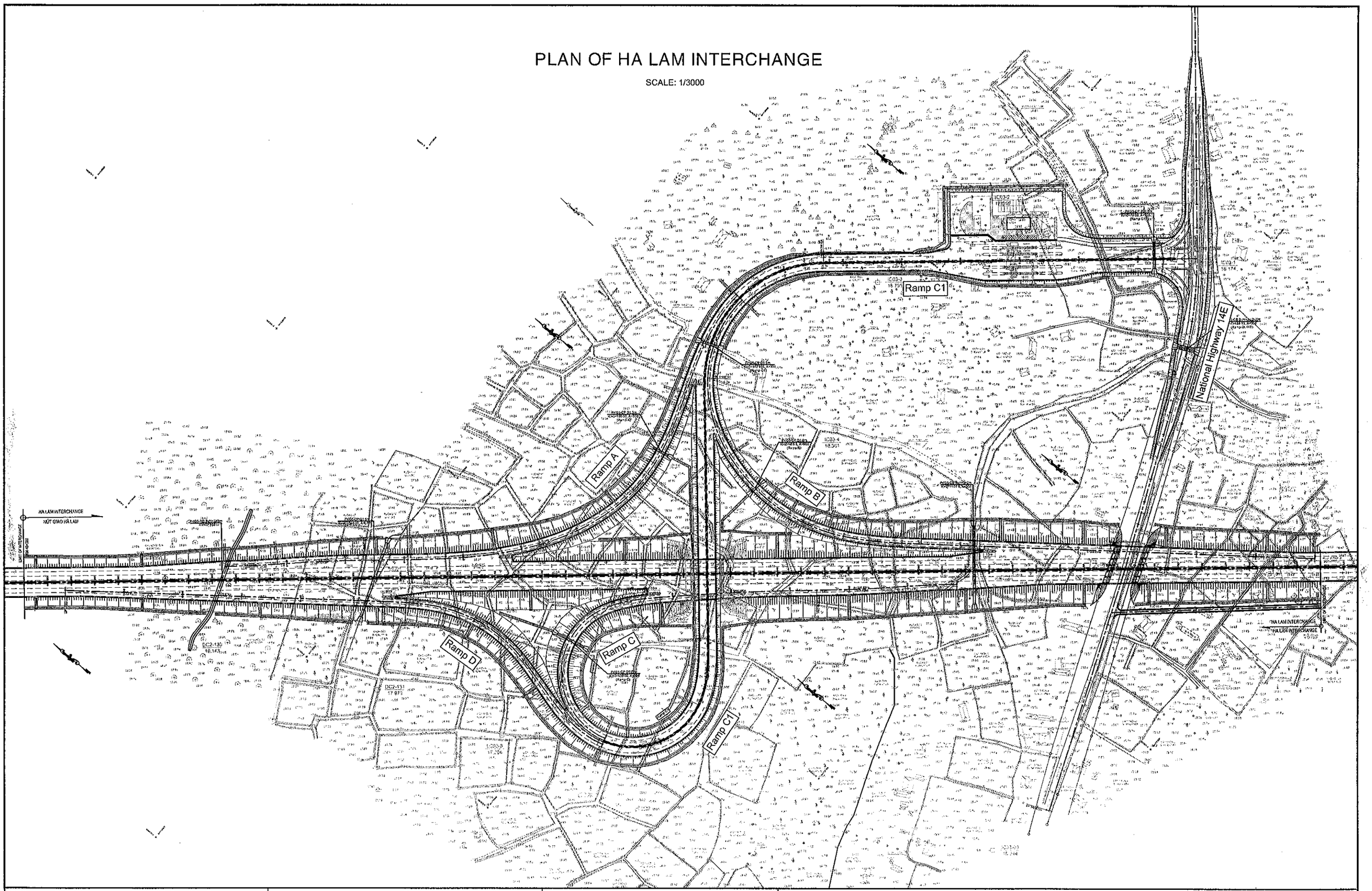
PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\02.MY SON IC.KM12+800-13+800\ACAD-MY SON IC\LAST FILES\ACAD-02B.PROFILE&DAYLIGHT-MY SON IC.121004.DWG - SHEET: PROFILE - JAN 12, 2013

E3. HÀ LAM INTERCHANGE
E3. NÚT GIAO HÀ LAM

000221

PLAN OF HA LAM INTERCHANGE

SCALE: 1/3000



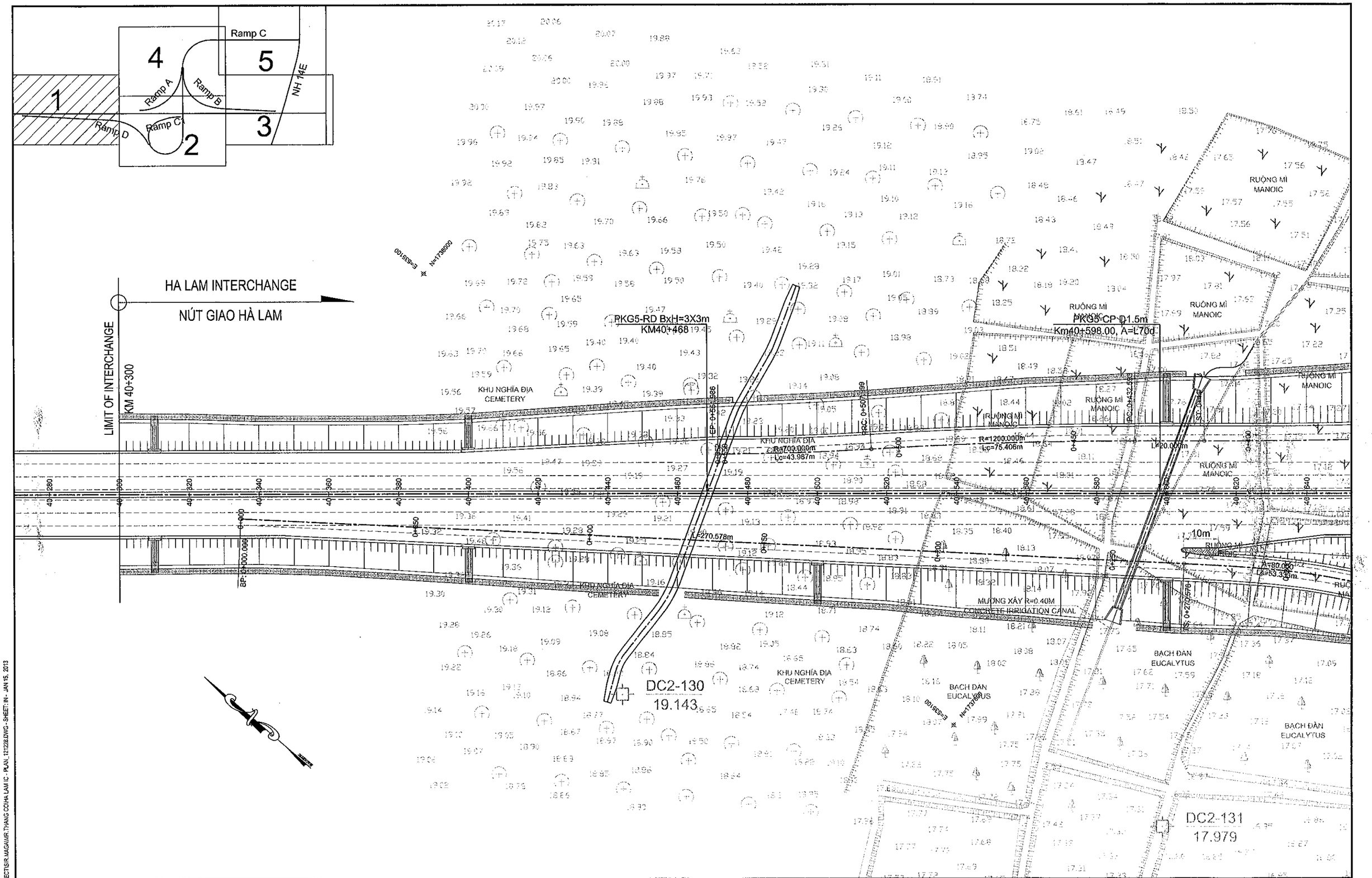
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	HA LAM INTERCHANGE		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PLAN OF HA LAM INTERCHANGE		
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/3000	PKG5-IC-PP- 010	3

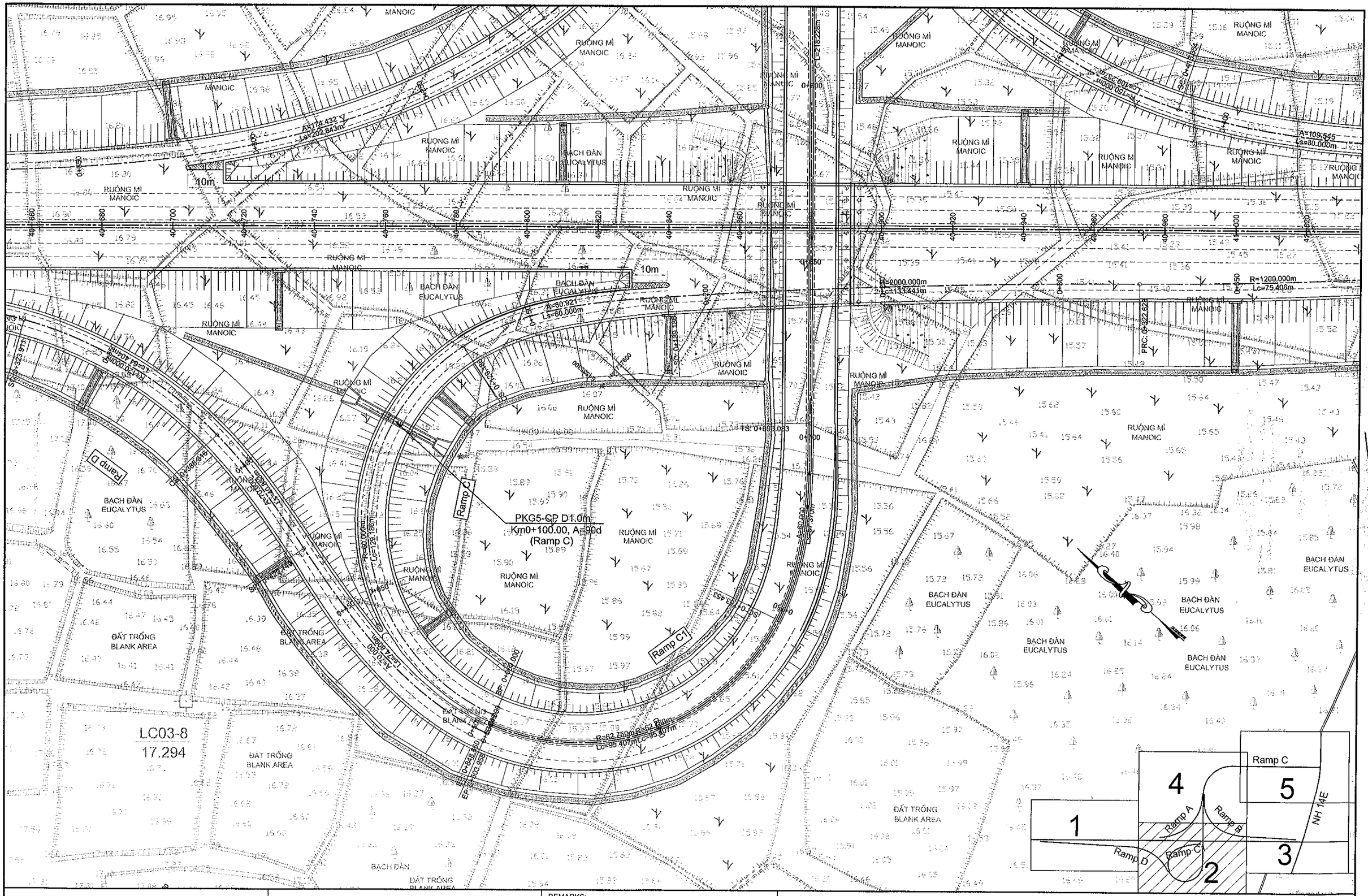
PATH - D:_02.CAREER\DN-QN PROJECT\SR.MAGA\MR.THANG GOI\HA LAM IC - PLAN_121228.DWG - SHEET: N - JAN 15, 2013



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT					
				Package:	Station:				
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF HA LAM INTERCHANGE (1/5) MẶT BẰNG NÚT GIAO HÀ LAM (1/5)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	SCALE	DRAWING NO. / REV. NO.
				SIGNATURE				1/1000	PKG5-IC-PP- 020 / 3
				DATE					

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGAVIR.THANG CO\HA LAM IC - PLAN_121228.DWG - SHEET: IN - JAN 15, 2013

0002.3



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

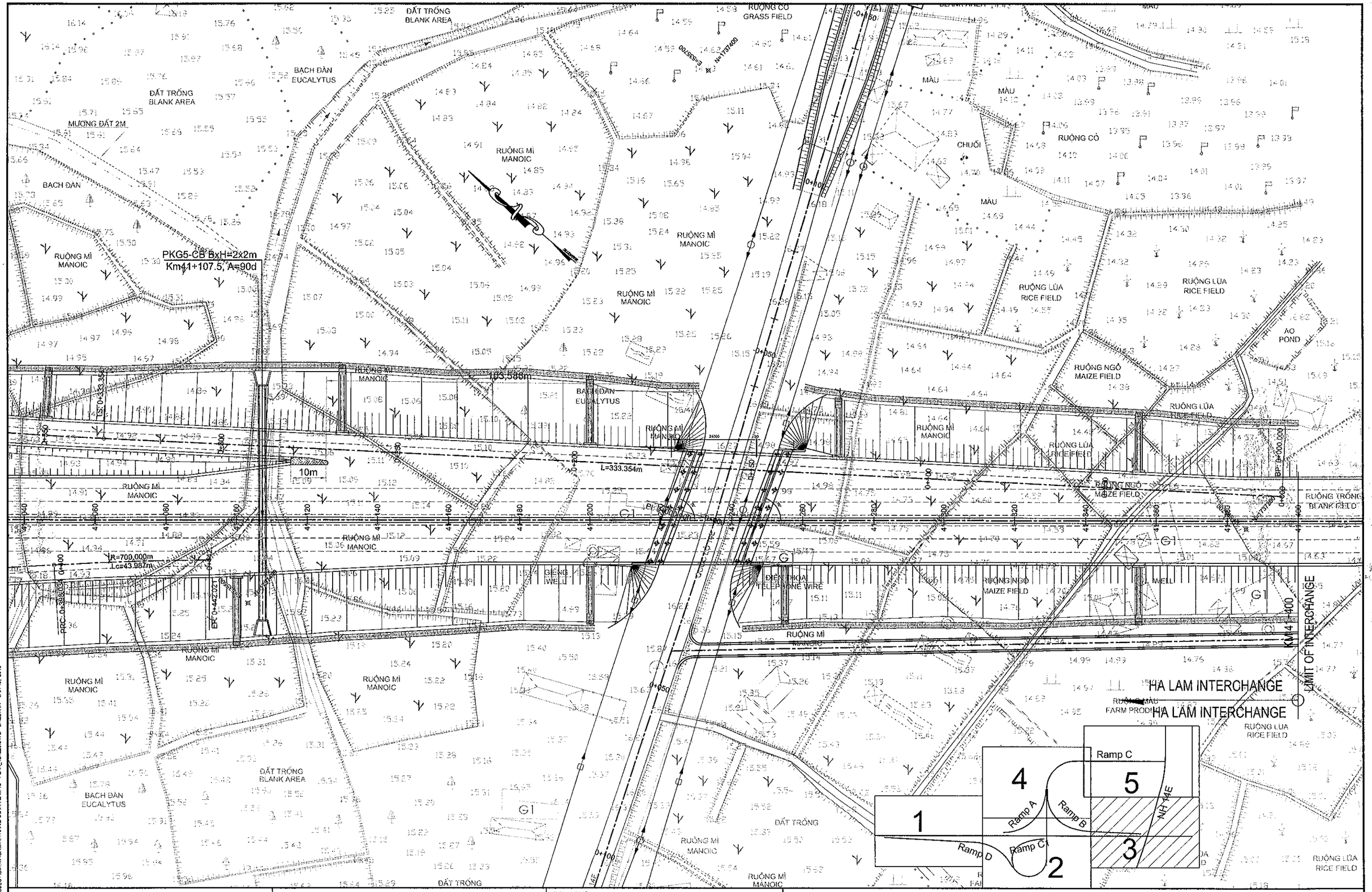
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF HA LAM INTERCHANGE (1/5) MẶT BẰNG NÚT GIAO HÀ LAM (1/5)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/1000	PKG5-IC-PP- 030	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR MAGAUM\THANG CO\HA LAM IC - PLAN 121228.DWG - SHEET IN - JAN 15, 2013

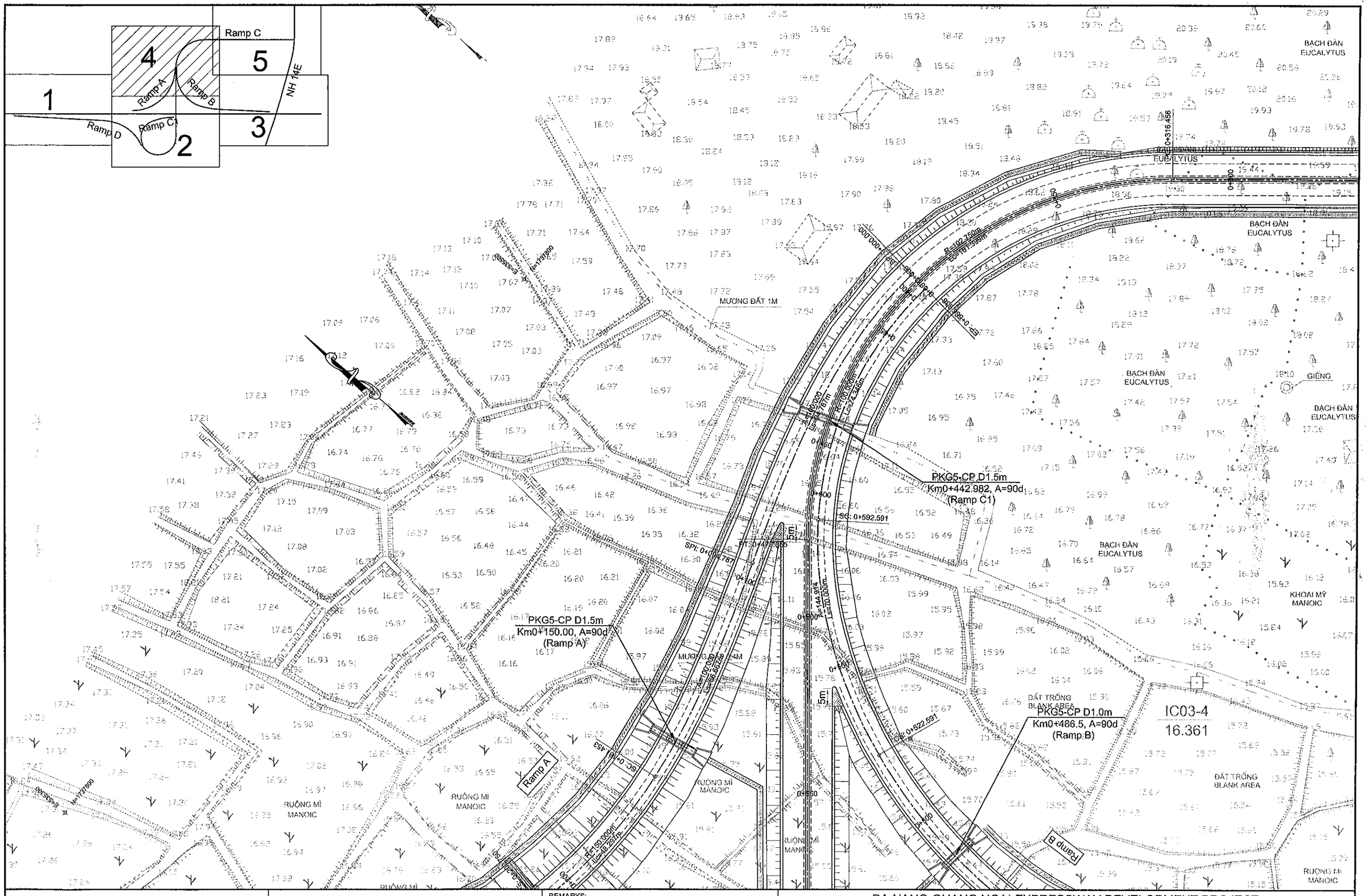
000224



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT					
				Package:	Station:				
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF HA LAM INTERCHANGE (3/5) MẶT BẰNG NÚT GIAO HÀ LAM (3/5)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	SCALE	DRAWING NO. / REV. NO.
				SIGNATURE				1/1000	PKG5-IC-PP- 040 / 3
				DATE					

PATH - D:_02.CAREER\DN-QN PROJECT\SIR MAGAMR.THANG CO\HA LAM IC - PLAN_121228.DWG - SHEET IN - JAN 15, 2013

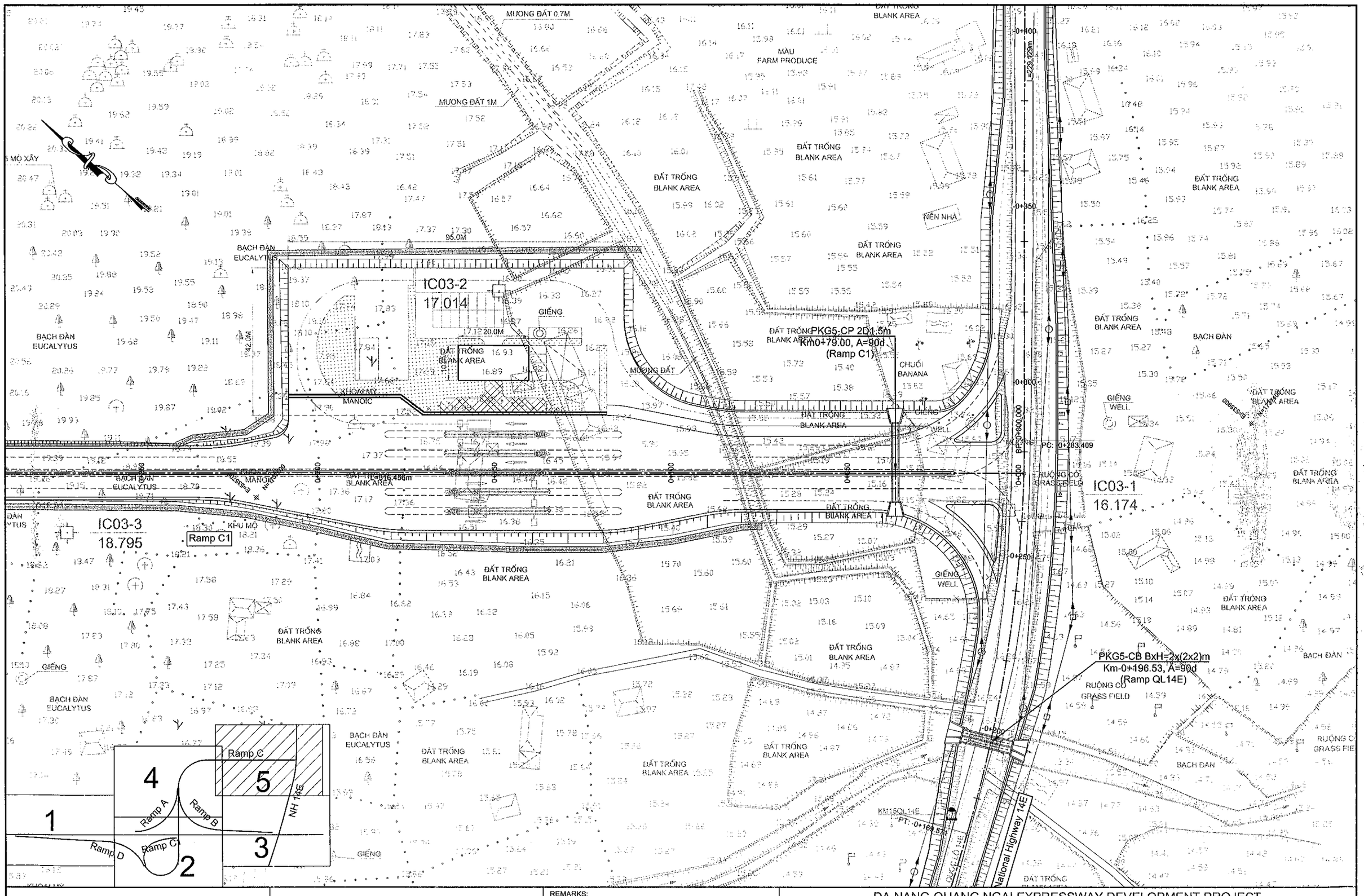
000225



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT				
				Package:	Station:			
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF HA LAM INTERCHANGE (4/5) MẶT BẰNG NÚT GIAO HÀ LAM (4/5)
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	
				SIGNATURE				SCALE: 1/1000
				DATE				DRAWING NO.: PKG5-IC-PP- 050
								REV. NO.: 3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\MR.THANG CO\HA LAM IC - PLAN_121228.DWG - SHEET: IN - JAN 15, 2013

000226



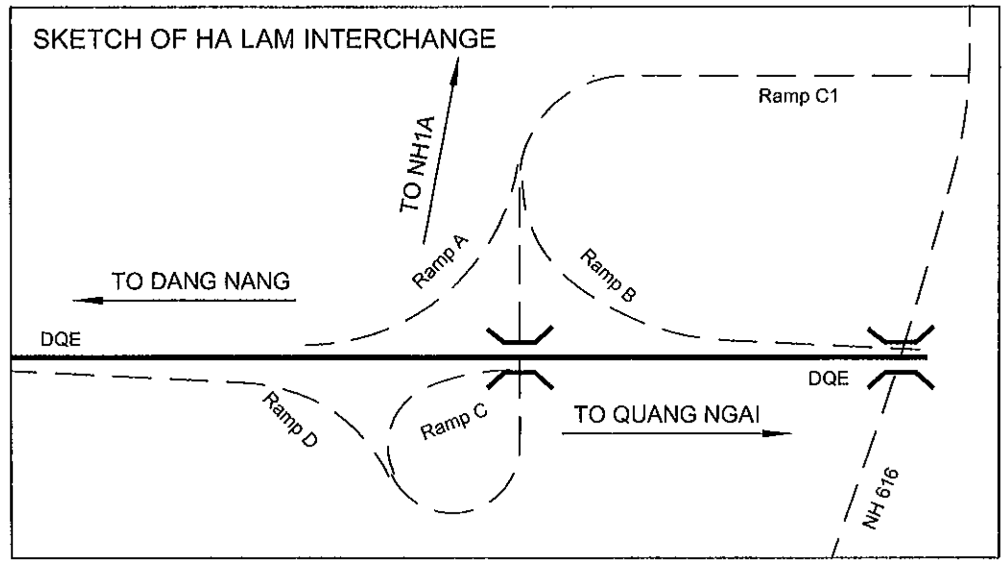
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

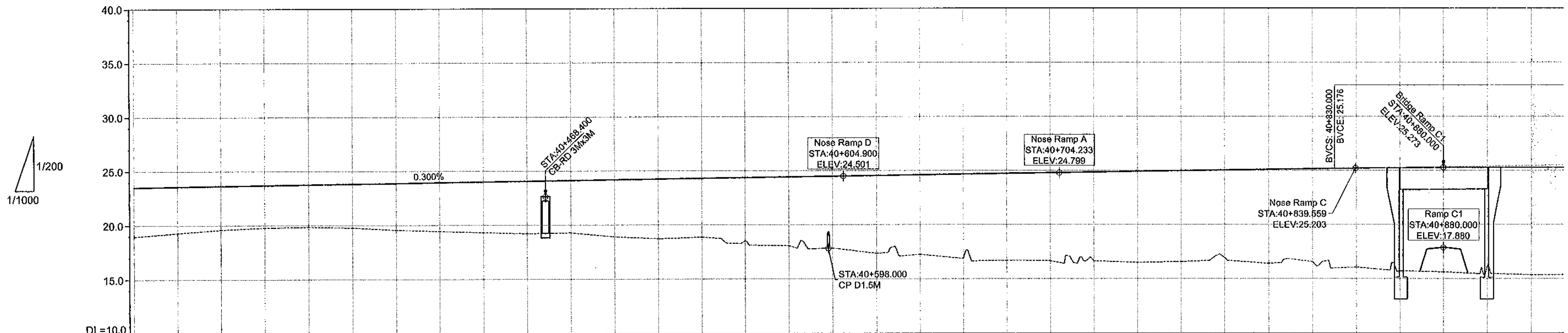
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF HA LAM INTERCHANGE (5/5) MẶT BẰNG NÚT GIAO HÀ LAM (5/5)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/1000	PKG5-IC-PP- 060	3

PATH: - D:_02_CAREER\ON-QN PROJECT\SIR\MAGAUM\ THANG CO\HA LAM IC - PLAN_121228.DWG - SHEET: IN - JAN 15, 2013



PROFILE OF EXPRESSWAY
TRẮC DỌC EXPRESSWAY



PROFILE / ĐỘ DỐC DỌC	22.686	i=0.300% L=960.000m

PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	23.526	23.586	23.646	23.706	23.766	23.826	23.886	23.946	24.006	24.066	24.126
EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	18.980	19.300	19.600	19.790	19.850	19.780	19.570	19.440	19.320	19.220	19.290
STATION / LÝ TRÌNH	40+280.000	40+300.000	40+320.000	40+340.000	40+360.000	40+380.000	40+400.000	40+420.000	40+440.000	40+460.000	40+480.000
ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN		40300.000	40320.000	40340.000	40360.000	40380.000	40400.000	40420.000	40440.000	40460.000	40480.000 40484.576

PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	24.186	24.246	24.306	24.366	24.426	24.486	24.546	24.606	24.666	24.726	24.786
EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	18.920	18.730	18.870	18.510	18.070	17.850	17.360	17.260	16.880	16.710	16.670
STATION / LÝ TRÌNH	40+500.000	40+520.000	40+540.000	40+560.000	40+580.000	40+600.000	40+620.000	40+640.000	40+660.000	40+680.000	40+700.000
ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN	40500.000	40520.000	40540.000	40560.000	40580.000 40585.350	40600.000	40620.000	40640.000	40660.000	40680.000	40700.000

PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	24.846	24.906	24.966	25.026	25.086	25.146	25.204	25.247	25.273	25.282	25.275
EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	16.650	16.500	16.570	16.950	16.410	16.570	16.070	15.730	15.630	16.170	15.370
STATION / LÝ TRÌNH	40+720.000	40+740.000	40+760.000	40+780.000	40+800.000	40+820.000	40+840.000	40+860.000	40+880.000	40+900.000	40+920.000
ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN	40720.000	40740.000	40760.000	40780.000	40800.000	40820.000	40840.000	40860.000	40880.000	40900.000	40920.000

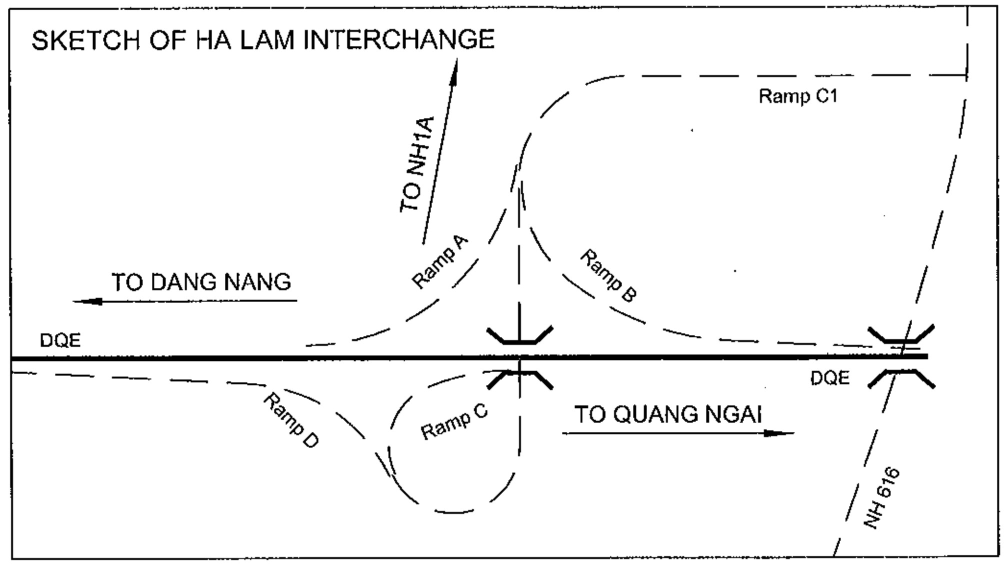
HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG	L=2768.228m

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

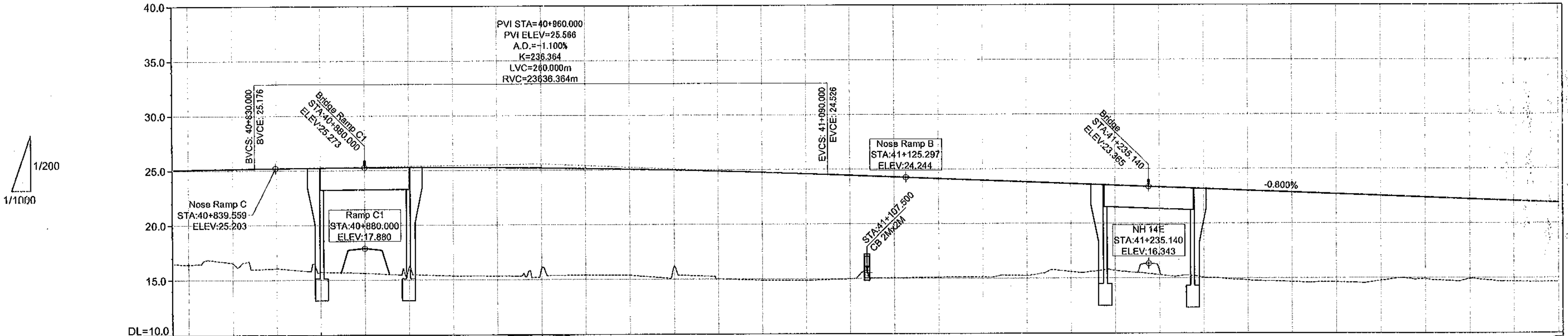
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	HA LAM INTERCHANGE - NÚT GIAO HÀ LAM		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF MAIN ROAD-TRẮC DỌC TUYẾN CHÍNH (1/2)		
SIGNATURE	(signed)	(signed)	(signed)	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG5-IC-PP-010	3

PATH - D1_02.CAREER\DN-QN PROJECT\SIR.MAGA\03 HA LAM IC KM40+300-41+270\HA LAM IC ACAD FILE\LAST FILE\ACAD-03. PROFILE - HA LAM IC.121227.DWG - SHEET: PROFILE - JAN 13, 2013



PROFILE OF EXPRESSWAY
TRẮC DỌC EXPRESSWAY



PROFILE / ĐỘ DỐC DỌC: 25.566 (40+960.000); i=-0.800% L=540.000m; 21.246 (41+420.000)

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
40+800.000	25.086	16.410	40800.000
40+820.000	25.146	16.570	40820.000
40+840.000	25.204	16.070	40840.000
40+860.000	25.247	15.730	40860.000
40+880.000	25.273	15.630	40880.000
40+900.000	25.282	16.170	40900.000
40+920.000	25.275	15.370	40920.000
40+940.000	25.250	15.350	40940.000
40+960.000	25.208	16.110	40960.000
40+980.000	25.150	15.410	40980.000
41+000.000	25.075	15.390	41000.000
			41004.248
41+020.000	24.982	16.200	41020.000
41+040.000	24.873	15.030	41040.000
41+060.000	24.747	14.890	41060.000
41+080.000	24.604	14.870	41080.000
41+100.000	24.446	14.990	41100.000
			41104.317
41+120.000	24.286	15.076	41120.000
41+140.000	24.126	15.117	41140.000
41+160.000	23.966	15.126	41160.000
41+180.000	23.806	15.238	41180.000
41+200.000	23.646	15.604	41200.000
			41204.846
41+220.000	23.486	15.707	41220.000
41+240.000	23.326	15.305	41240.000
41+260.000	23.166	15.060	41260.000
41+280.000	23.006	14.820	41280.000
41+300.000	22.846	14.670	41300.000
			41308.085
41+320.000	22.686	14.638	41320.000
41+340.000	22.526	14.768	41340.000
41+360.000	22.366	14.931	41360.000
41+380.000	22.206	14.963	41380.000
41+400.000	22.046	14.679	41400.000
			41410.709
41+420.000	21.886	14.632	

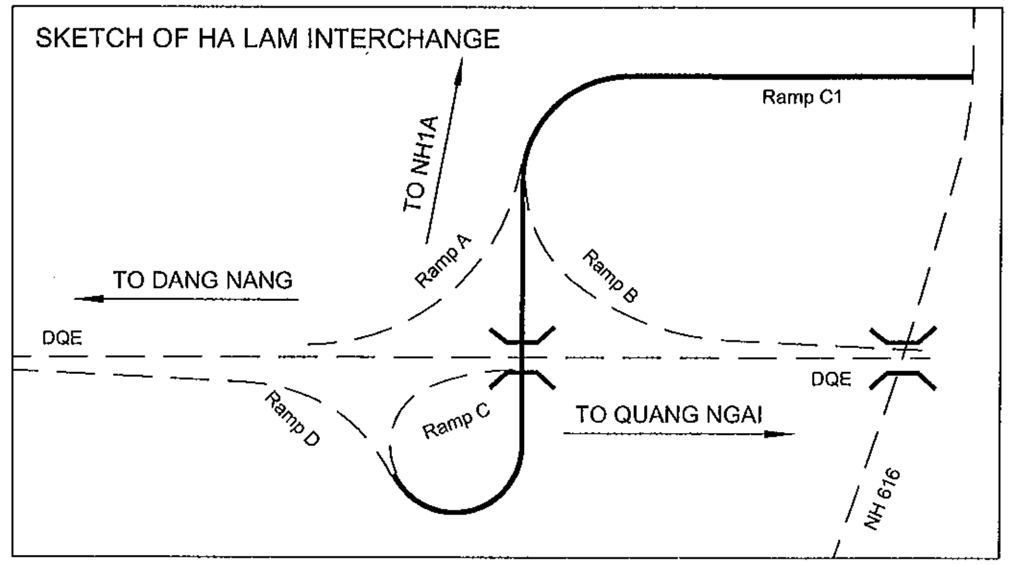
HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=2768.228m

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

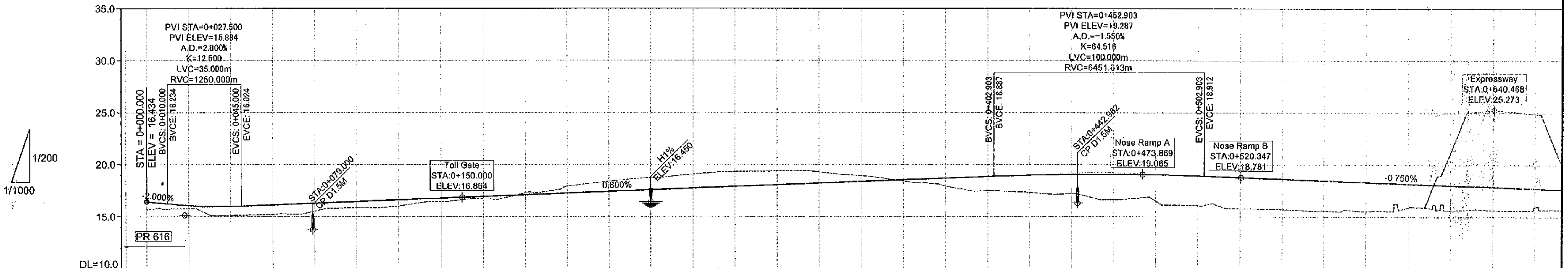
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	HA LAM INTERCHANGE - NÚT GIAO HÀ LAM		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF MAIN ROAD-TRẮC DỌC TUYẾN CHÍNH (2/2)		
SIGNATURE	[signature]	[signature]	[signature]	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG5-IC-PP-0X0	3

PATH - D_02.CAREER\DN-QN PROJECT\SIR.MAGA\03 HA LAM IC KM40+300-41+270\HA LAM IC ACAD FILE\LAST FILE\ACAD-03. PROFILE - HA LAM IC.121227.DWG - SHEET: PROFILE - JAN 13, 2013



PROFILE OF Ramp C1.
TRẮC DỌC Ramp C1.



PROFILE / ĐỘ DỐC DỌC: 16.434 — i=-2.000%, L=27.500m — 15.884 — i=0.800%, L=425.403m — 19.287 — i=-0.750%, L=287.097m

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
-0+010.000			-10.000
0+000.000	16.434	15.666	
0+020.000	16.074	15.766	20.000
0+040.000	15.994	15.115	40.000
0+060.000	16.144	15.217	60.000
0+080.000	16.304	15.539	80.000
			92.377
0+100.000	16.464	15.867	100.000
0+120.000	16.624	16.026	120.000
0+140.000	16.784	16.452	140.000
0+160.000	16.944	16.692	160.000
0+180.000	17.104	17.282	180.000
			196.563
0+200.000	17.264	17.921	200.000
0+220.000	17.424	18.392	220.000
0+240.000	17.584	18.719	240.000
0+260.000	17.744	19.078	260.000
0+280.000	17.904	19.332	280.000
			296.821
0+300.000	18.064	19.389	300.000
0+320.000	18.224	19.289	320.000
0+340.000	18.384	18.927	340.000
0+360.000	18.544	18.427	360.000
0+380.000	18.704	17.929	380.000
			397.155
0+400.000	18.864	17.483	400.000
0+420.000	19.001	17.333	420.000
0+440.000	19.077	17.218	440.000
0+460.000	19.091	16.650	460.000
0+480.000	19.043	16.516	480.000
0+500.000	18.933	16.073	500.000 / 500.407
0+520.000	18.784	15.794	520.000
0+540.000	18.634	15.729	540.000
0+560.000	18.484	15.612	560.000
0+580.000	18.334	15.555	580.000
0+600.000	18.184	15.916	600.000 / [illegible]
0+620.000	18.034	15.655	620.000
0+640.000	17.884	15.637	640.000
0+660.000	17.734	15.955	660.000

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=316.456m — L=161.399m, R=102.750m — L=218.228m

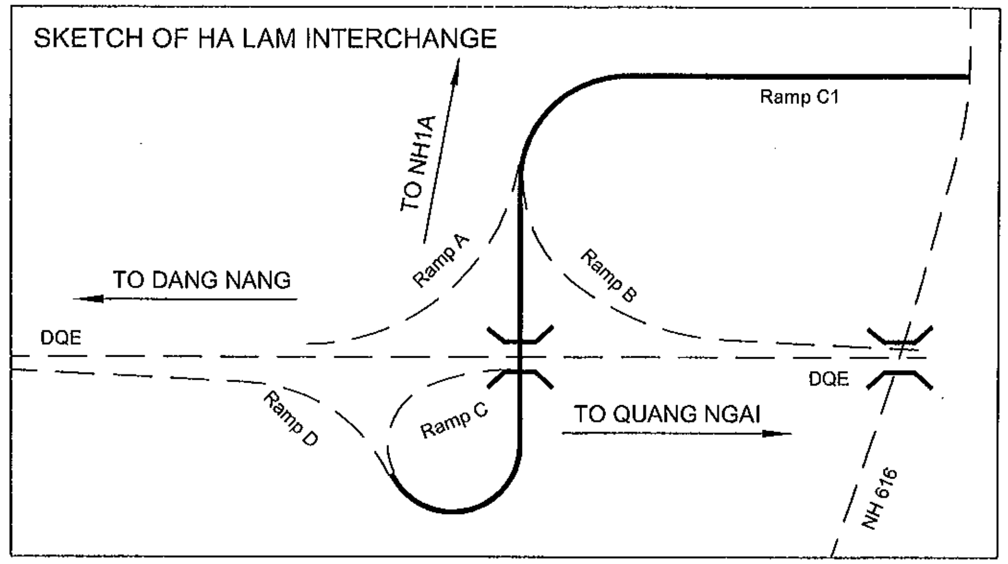
SUPER ELEVATION / SIÊU CAO: -2.000% / -2.000% — 0+296.456 (-2.000% / -2.000%) — 0+336.456 (2.000% / -2.000%) — 0+457.855 (2.000% / -2.000%) — 0+497.855 (-2.000% / -2.000%)

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

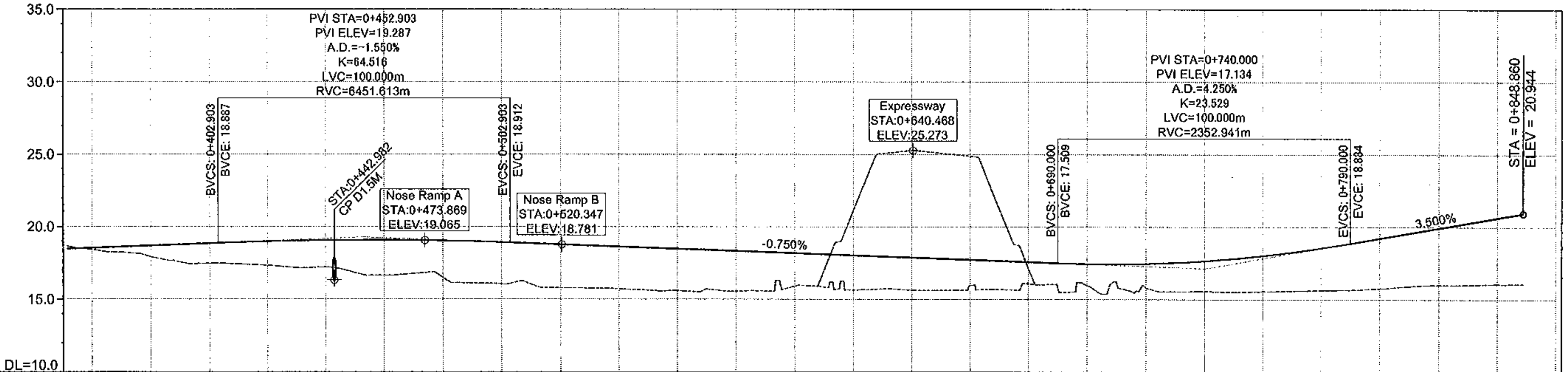
	PREPARED BY	CHECKED BY	APPROVED BY	HA LAM INTERCHANGE - NÚT GIAO HÀ LAM		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1 (1/2)		
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG5-IC-PP-090	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\03 HA LAM IC KM40+300-41+270\HA LAM IC ACAD FILE\LAST FILE\ACAD-03. PROFILE - HA LAM IC.121227.DWG - SHEET: PROFILE - JAN 13, 2013



PROFILE OF Ramp C1.
TRÁC DỌC Ramp C1.

1/200
1/1000



PROFILE / ĐỘ DỐC DỌC: 19.287 — i=-0.750% L=287.097m — 17.134 — i=3.500% L=108.860m — 20.944

PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	18.544	18.704	18.864	19.001	19.077	19.091	19.043	18.933	18.784	18.634	18.484	18.334	18.184
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	18.427	17.929	17.483	17.333	17.218	16.650	16.516	16.073	15.794	15.729	15.612	15.555	15.916
STATION LÝ TRÌNH	0+360.000	0+380.000	0+400.000	0+420.000	0+440.000	0+460.000	0+480.000	0+500.000	0+520.000	0+540.000	0+560.000	0+580.000	0+600.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	360.000	380.000	397.155 / 400.000	420.000	440.000	460.000	480.000	499.407 / 500.000	520.000	540.000	560.000	580.000	600.000 / 601.128

PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	18.034	17.884	17.734	17.584	17.455	17.475	17.665	18.025	18.555	19.234	19.934	20.634		
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	15.655	15.637	15.955	16.086	15.969	15.798	15.559	15.561	15.646	15.777	16.011	16.066		
STATION LÝ TRÌNH	0+620.000	0+640.000	0+660.000	0+680.000	0+700.000	0+720.000	0+740.000	0+760.000	0+780.000	0+800.000	0+820.000	0+840.000	0+860.000	
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	620.000	640.000	660.000	680.000	700.000 / 701.899	720.000	740.000	753.453 / 760.000	780.000	800.000 / 802.286	820.000	840.000	860.000	

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=161.399m R=102.750m — L=218.228m — A=60.000 L=57.371m — L=95.407m R=62.750m

SUPER ELEVATION / SIÊU CAO: 2.000% / -2.000% 0+457.855 — -2.000% / -2.000% 0+497.855 — -2.000% / -2.000% 0+718.453 — 6.000% / -6.000% 0+753.453 — 6.000% / -6.000% 0+848.860

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

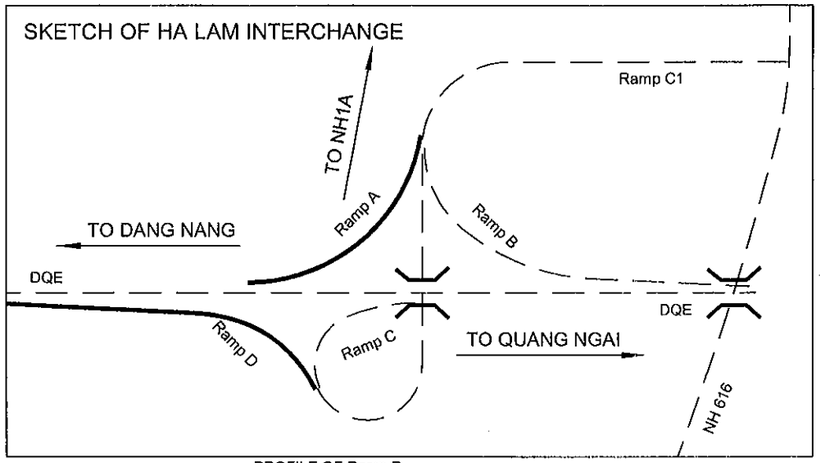
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO
SIGNATURE	(signed)	(signed)	(signed)
DATE			

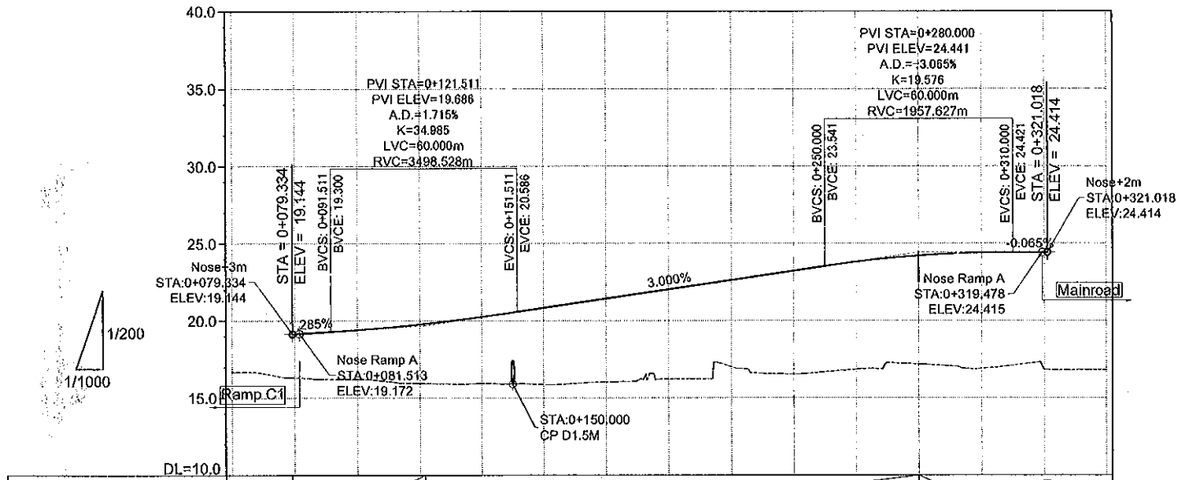
HA LAM INTERCHANGE - NÚT GIAO HÀ LAM
PROFILE OF RAMP C1-TRÁC DỌC NHÁNH C1 (2/2)

SCALE	DRAWING NO.	REV. NO.
AS SHOW	PKG5-IC-PP-100	3

PATH - D1_02.CAREER\DN-QN PROJECT\SIR.MAGA\03 HA LAM IC KM40+300-41+270\HA LAM IC ACAD FILE\LAST FILE\ACAD-03. PROFILE - HA LAM IC.121227.DWG - SHEET: PROFILE - JAN 13, 2013

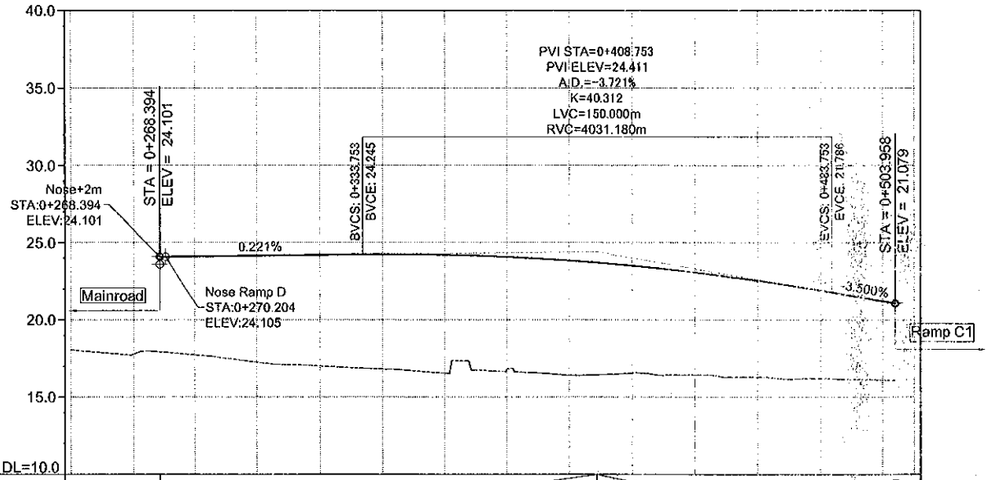


PROFILE OF Ramp A
TRẮC DỌC Ramp A



PROFILE ĐỘ DỐC DỌC		i=1.285% L=42.177m		i=3.000% L=158.489m							i=-0.065% L=41.018m	
	19.144		19.686							24.441		24.414
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	19.153	19.420	19.783	20.260	20.841	21.441	22.041	22.641	23.241	23.815	24.211	24.402	24.415
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	16.677	16.312	16.205	15.953	15.939	15.859	16.034	16.225	17.016	16.541	16.856	17.175	16.899	16.832	16.805
STATION LÝ TRÌNH	0+060.000	0+080.000	0+100.000	0+120.000	0+140.000	0+160.000	0+180.000	0+200.000	0+220.000	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN		80.000	100.000	120.000	140.000	160.000 168.000	180.000	200.000	220.000	240.000	260.000 268.000	280.000	300.000	320.000	
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG		A=100.000 L=66.667m		L=48.297m R=150.000m								A=174.432 L=202.843m			
SUPER ELEVATION SIÊU CAO	0.000%			0+093.300					2.000% 0+234.750						
	0.000%								-2.000%						

PROFILE OF Ramp D
TRẮC DỌC Ramp D



PROFILE ĐỘ DỐC DỌC		i=0.221% L=140.359m								i=-3.500% L=95.205m	
	24.101								24.411		21.079
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ		24.127	24.171	24.215	24.254	24.218	24.082	23.847	23.513	23.080	22.548	21.916	21.218
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	18.063	17.782	17.732	17.257	17.016	16.815	16.550	16.817	16.410	16.562	16.426	16.285	16.201	16.099	
STATION LÝ TRÌNH	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000	0+400.000	0+420.000	0+440.000	0+460.000	0+480.000	0+500.000	0+510.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN		260.000	280.000	300.000	320.000	340.000 344.888	356.113 360.000	380.000	400.000	420.000	440.000 443.628	460.000	480.000	500.000	510.000
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG			A=80.000 L=53.333m		L=64.404m R=120.000m			A=70.000 L=40.833m		A=70.000 L=74.889m					
SUPER ELEVATION SIÊU CAO				2.000%			2.000%							-6.000%	
				0+323.911			0+388.316							0+503.958	
				-2.000%			-2.000%							6.000%	

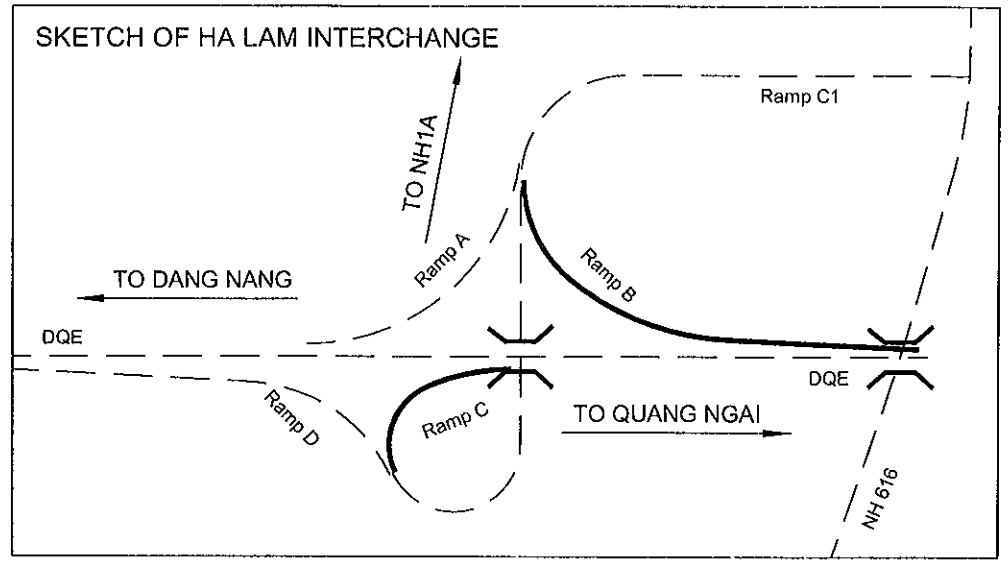
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

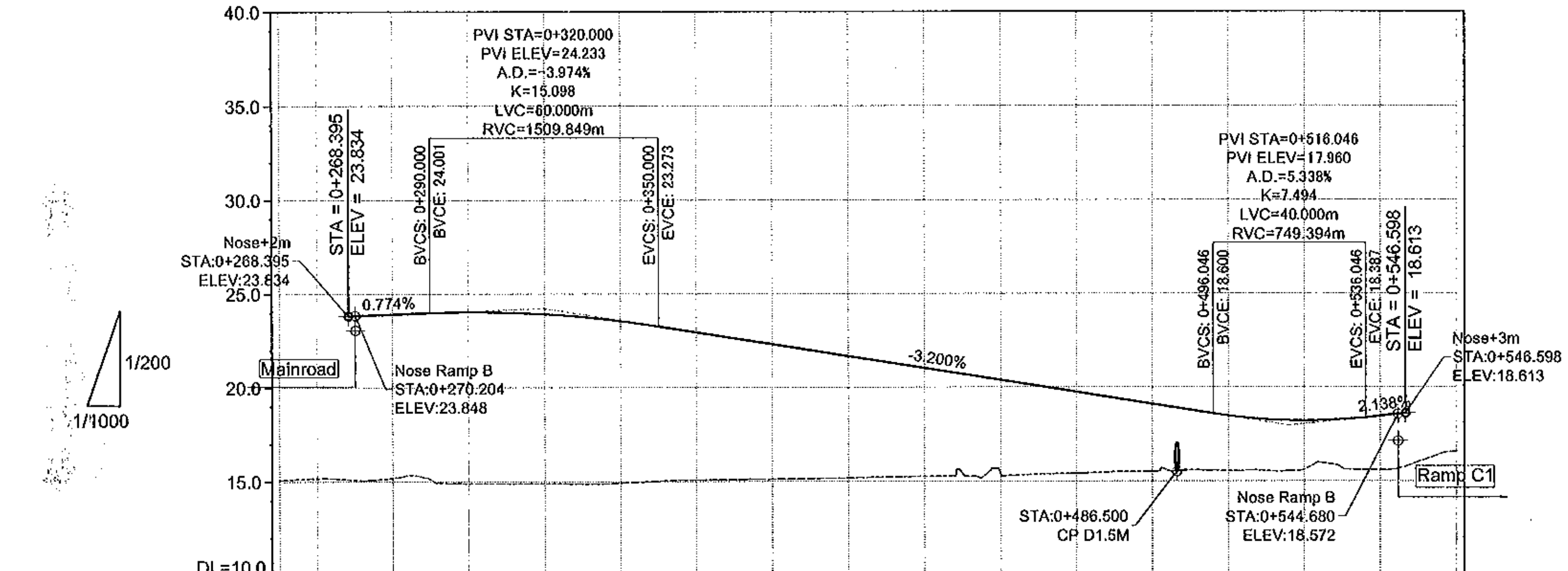
	PREPARED BY	CHECKED BY	APPROVED BY	HA LAM INTERCHANGE - NÚT GIAO HÀ LAM PROFILE OF RAMP A&D-TRẮC DỌC NHÁNH A&D		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG5-IC-PP-410	3

PATH - D:_02.CAREERDON-QN PROJECT\SIR.MAGARIO\ HA LAM IC KM40+300-41+270\HA LAM IC ACAD FILE\LAST FILE\ACAD-02_PROFILE - HA LAM IC-121227.DWG - SHEET: PROFILE - JAN 13, 2013

000232

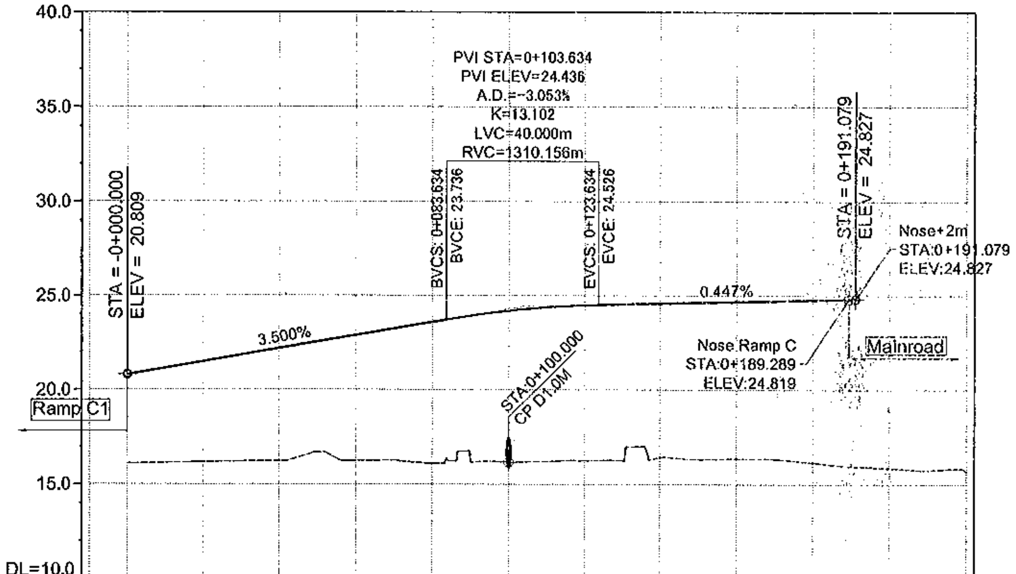


PROFILE OF Ramp B
TRẮC DỌC Ramp B



	Ramp B
PROFILE / ĐỘ DỐC DỌC	23.834; i=0.774% L=51.605m; 24.233; i=-3.200% L=196.046m; 17.960; i=2.138% L=30.552m; 18.613
PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	23.924; 24.045; 23.935; 23.560; 22.953; 22.313; 21.673; 21.033; 20.393; 19.753; 19.113; 18.484; 18.216; 18.472
EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	15.084; 15.175; 15.200; 14.897; 14.889; 14.925; 15.085; 15.122; 15.182; 15.254; 15.365; 15.418; 15.521; 15.554; 15.614; 15.595; 16.588
STATION / LÝ TRÌNH	0+250.000; 0+260.000; 0+280.000; 0+300.000; 0+320.000; 0+340.000; 0+360.000; 0+380.000; 0+400.000; 0+420.000; 0+440.000; 0+460.000; 0+480.000; 0+500.000; 0+520.000; 0+540.000; 0+560.000
ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN	260.000; 280.000; 300.000; 320.000; 340.000; 351.418; 360.000; 380.000; 400.000; 420.000; 440.000; 454.318; 460.000; 480.000; 500.000; 520.000; 540.000; 556.462
HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG	A=109.545 L=80.000m; L=109.238m R=150.000m; A=144.913 L=69.999m
SUPER ELEVATION / SIÊU CAO	2.000% 0+413.354 -2.000%; 2.000% 0+522.592 -2.000%

PROFILE OF Ramp C
TRẮC DỌC Ramp C



	Ramp C
PROFILE / ĐỘ DỐC DỌC	20.809; i=3.500% L=103.634m; 24.436; i=0.447% L=87.445m; 24.827
PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	20.809; 21.509; 22.209; 22.909; 23.609; 24.207; 24.504; 24.599; 24.688; 24.777
EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	16.091; 16.173; 16.227; 16.241; 16.103; 16.166; 16.252; 16.424; 16.348; 16.157; 15.864; 15.693
STATION / LÝ TRÌNH	-0+010.000; 0+000.000; 0+020.000; 0+040.000; 0+060.000; 0+080.000; 0+100.000; 0+120.000; 0+140.000; 0+160.000; 0+180.000; 0+200.000; 0+220.000
ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN	-10.000; 20.000; 40.000; 60.000; 64.593; 80.000; 90.062; 100.000; 120.000; 140.000; 160.000; 180.000; 194.708; 200.000
HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG	L=129.186m R=60.000m; A=60.921 L=60.000m
SUPER ELEVATION / SIÊU CAO	6.000% 0+000.000 -6.000%; 6.000% 0+129.188 -6.000%; 2.000% 0+189.186 -2.000%

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

REMARKS:

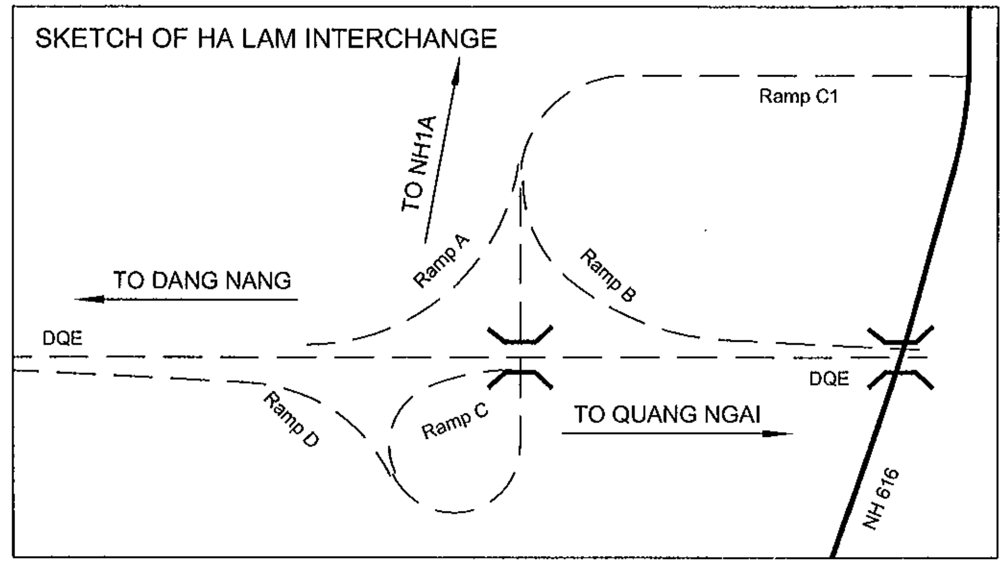
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO
SIGNATURE	(signed)	(signed)	(signed)
DATE			

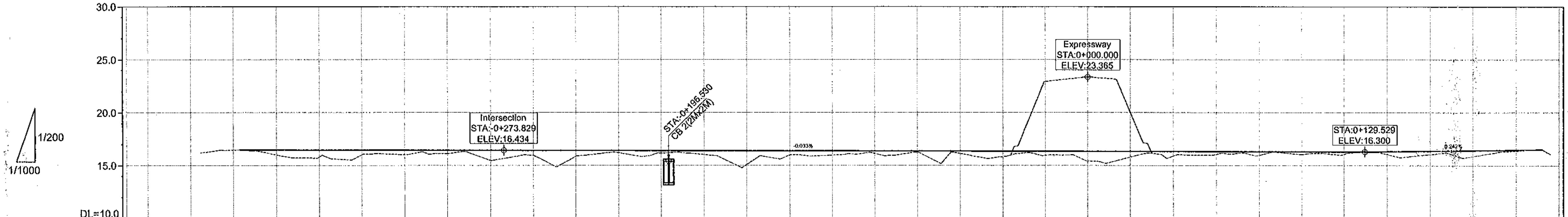
HA LAM INTERCHANGE - NÚT GIAO HÀ LAM
PROFILE OF RAMP B&C-TRẮC DỌC NHÁNH B&C

SCALE	DRAWING NO.	REV. NO
AS SHOW	PKG5-IC-PP-120	3

PATH - D1_02.CAREER\DN-QN PROJECT\SIR.MAGA\03 HA LAM IC Km40+300-41+270\HA LAM IC ACAD FILE\LAST FILE\ACAD-03. PROFILE - HA LAM IC.121227.DWG - SHEET: PROFILE - JAN 13, 2013



PROFILE OF NH14E
TRẮC DỌC NH14E



PROFILE / ĐỘ DỐC DỌC: 16.475 — i=-0.033%, L=526.447m — 16.300 — I=0.242%, L=82.595m — 16.500

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
-0+450.000			-450.000
-0+440.000			-440.000
-0+420.000			-420.000
-0+400.000		16.453	-400.000
-0+380.000	16.470	15.995	-380.000
-0+360.000	16.463	15.806	-360.000
			-344.829
-0+340.000	16.457	16.010	-340.000
-0+320.000	16.450	16.029	-320.000
-0+300.000	16.443	16.119	-300.000
-0+280.000	16.437	15.470	-280.000
-0+260.000	16.430	15.949	-260.000
-0+240.000	16.423	15.862	[illegible]
			-226.490
-0+220.000	16.417	16.209	-220.000
-0+200.000	16.410	16.156	-200.000
-0+180.000	16.403	16.031	-180.000
-0+160.000	16.397	15.090	-160.000
-0+140.000	16.390	15.998	[illegible]
-0+120.000	16.383	15.973	-120.000
-0+100.000	16.377	16.132	-100.000
-0+080.000	16.370	16.248	-80.000
-0+060.000	16.363	16.129	-60.000
-0+040.000	16.357	15.843	[illegible]
-0+020.000	16.350	15.961	-20.000
0+000.000	16.343	15.417	
0+020.000	16.337	15.799	20.000
0+040.000	16.330	15.899	40.000
0+060.000	16.323	16.056	[illegible]
0+080.000	16.317	15.972	80.000
0+100.000	16.310	16.043	100.000
0+120.000	16.303	16.070	120.000
0+140.000	16.325	16.057	140.000
0+160.000	16.374	16.054	160.000
			167.474
0+180.000	16.422	15.873	180.000
0+200.000	16.471	16.392	200.000
0+220.000			220.000

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG			
L=229.129m	L=113.837m R=400.000m	L=169.571m	L=216.054m

SUPER ELEVATION / SIÊU CAO

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

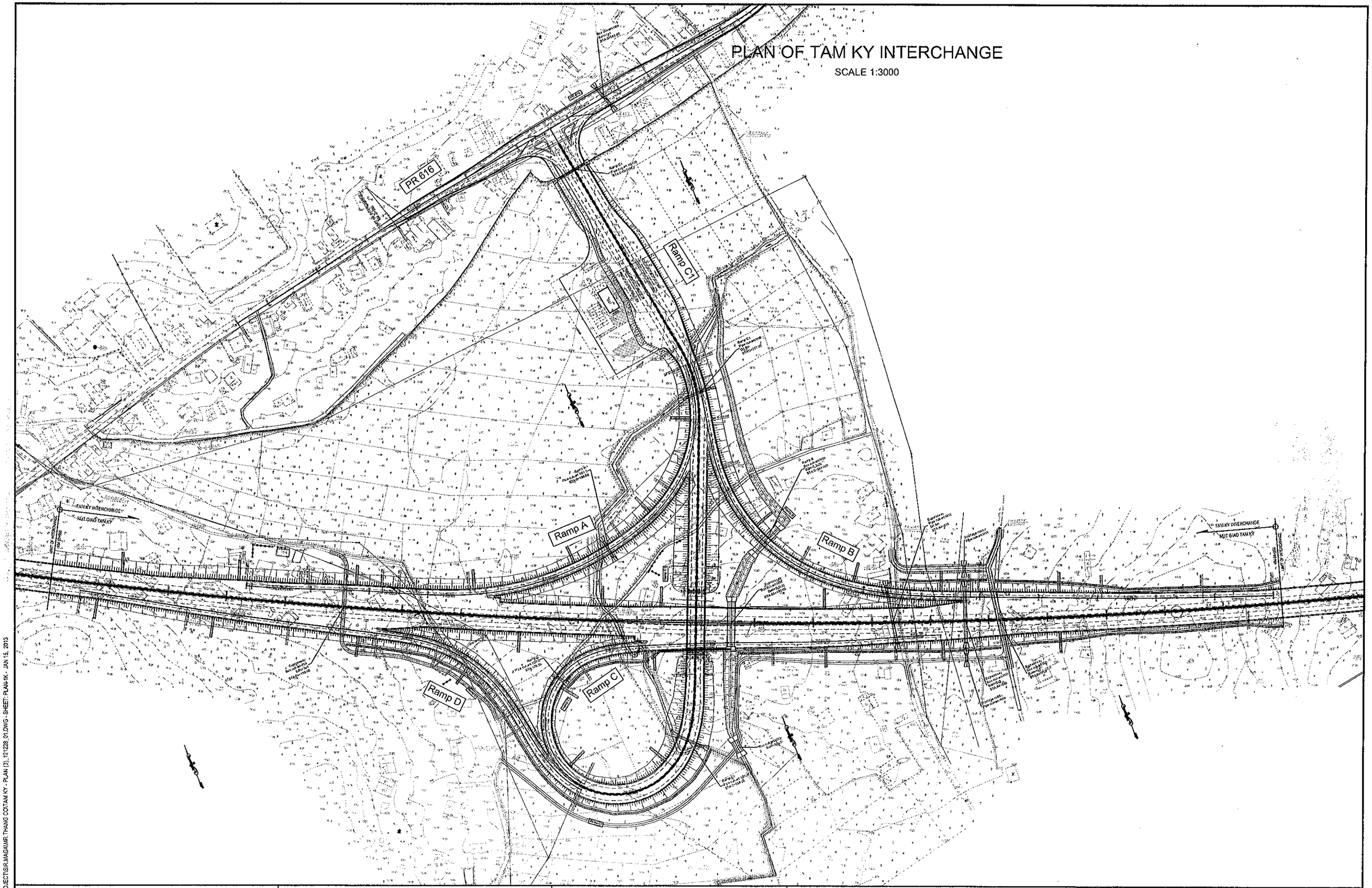
	PREPARED BY	CHECKED BY	APPROVED BY	HA LAM INTERCHANGE - NÚT GIAO HÀ LAM		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP NH14E - TRẮC DỌC QL14E		
SIGNATURE	(signed)	(signed)	(signed)	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG5-IC-PP-130	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\03 HA LAM IC KM40+300-41+270\HA LAM IC ACAD FILE\LAST FILE\ACAD-03. PROFILE - HA LAM IC.121227.DWG - SHEET: PROFILE - JAN 13, 2013

E4. TAM KỲ INTERCHANGE
E4. NÚT GIAO TAM KỲ

PLAN OF TAM KY INTERCHANGE

SCALE 1:3000



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

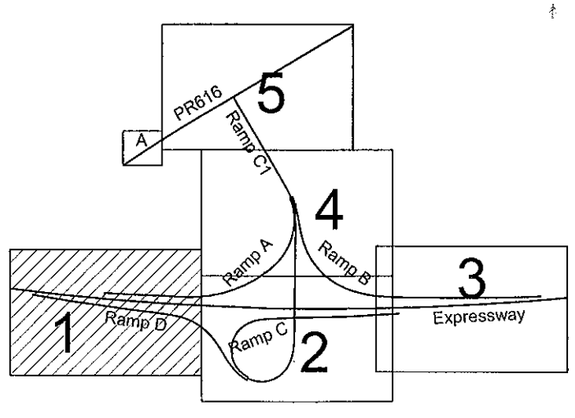
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TAM KY INTERCHANGE PLAN OF TAM KY INTERCHANGE		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1:3000	PKG7-IC-PP- 010	3

PATH - D:_02.CAREER\ON-GN PROJECTS\RJ\AGA\MR.THANG CO\TAM KY - PLAN (3)_121228_01.DWG - SHEET: PLAN-1K - JAN 15, 2013

000236

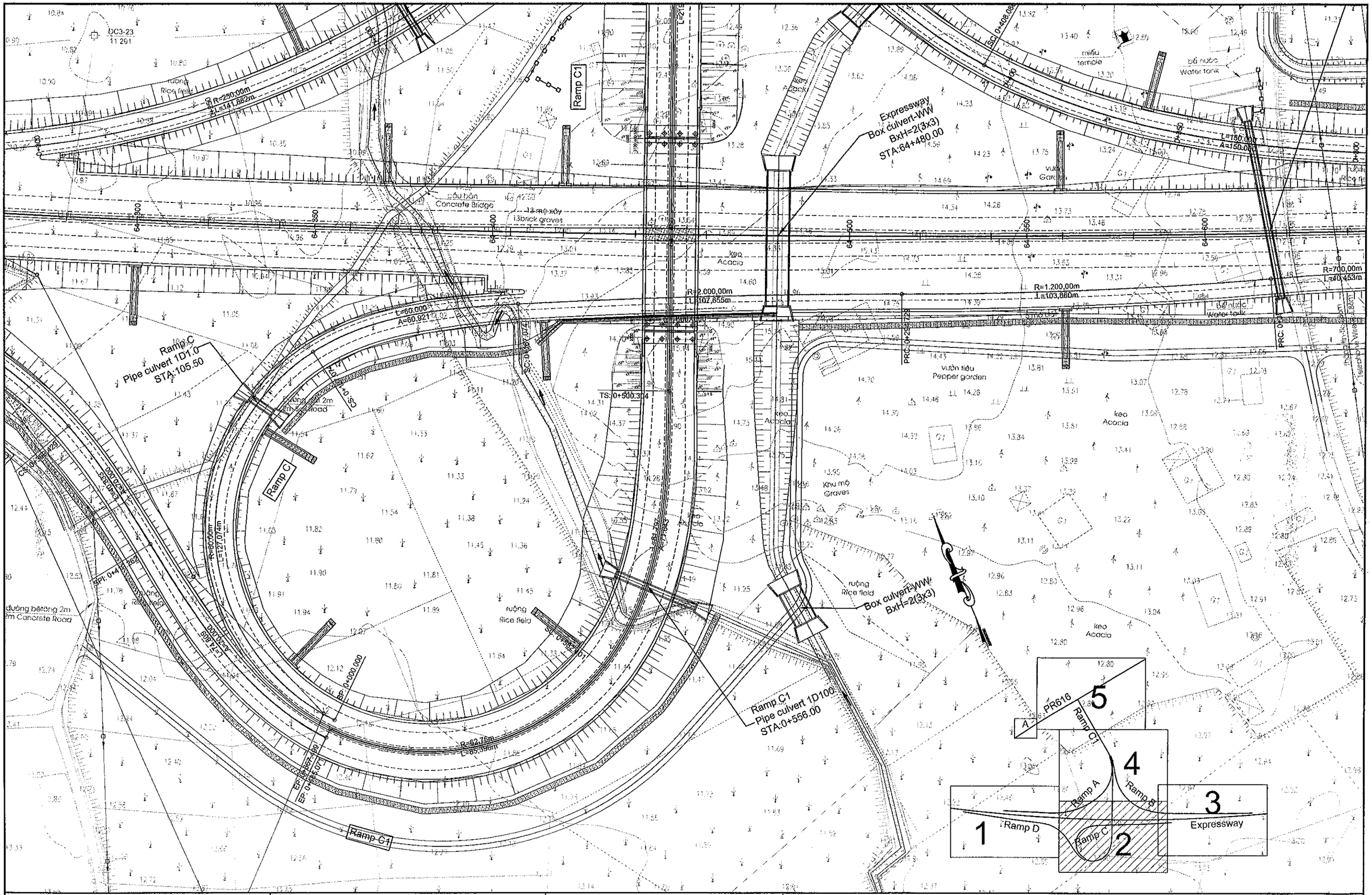
TAM KY INTERCHANGE
NÚT GIAO TAM KỲ
LIMIT OF INTERCHANGE
KM 63+900
đường bêtông 2m
2m Concrete Road
bể nước
Water tank
ao
Pond
ruộng
Rice field
keo
Acacia
Khu mộ
Graves
8mộ đất
8grave soil
7mộ đất
7grave soil
11mộ đất
11grave soil
14mộ đất
14grave soil
Vườn tiêu
Expressway
Box culvert-RW
BxH=3x3
STA:64+150.00
Water tank L=53.333
A=80.000
Ramp A
Ramp B
Ramp C
Ramp C1
Ramp D
PR616
Expressway



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT				
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.		Package:	Station:			
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85				PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF TAM KY INTERCHANGE (1/5) MẶT BẰNG NÚT GIAO TAM KỲ (1/5)
				NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	
				SIGNATURE				SCALE: 1/1000
				DATE				DRAWING NO.: PKG7-IC-PP- 020
								REV. NO.: 3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGAMA\R.THANG COI\TAM KY - PLAN (3)_121228_01.DWG - SHEET: PLAN-1K - JAN 15, 2013

000237



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT				
				Package:		Station:		
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF TAM KY INTERCHANGE (2/5) MẶT BẰNG NÚT GIAO TAM KỲ (2/5)
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	
				SIGNATURE				SCALE: 1/1000
				DATE				DRAWING NO.: PKG7-IC-PP- 030
								REV. NO.: 3

PATH - D:_02.CAREER\ON-ON PROJECT\SIR.MAGAMI\TAM KY\TAM KY - PLAN (9)_12'1228_01.DWG - SHEET: PLAN-1K - JAN 15, 2018

000238

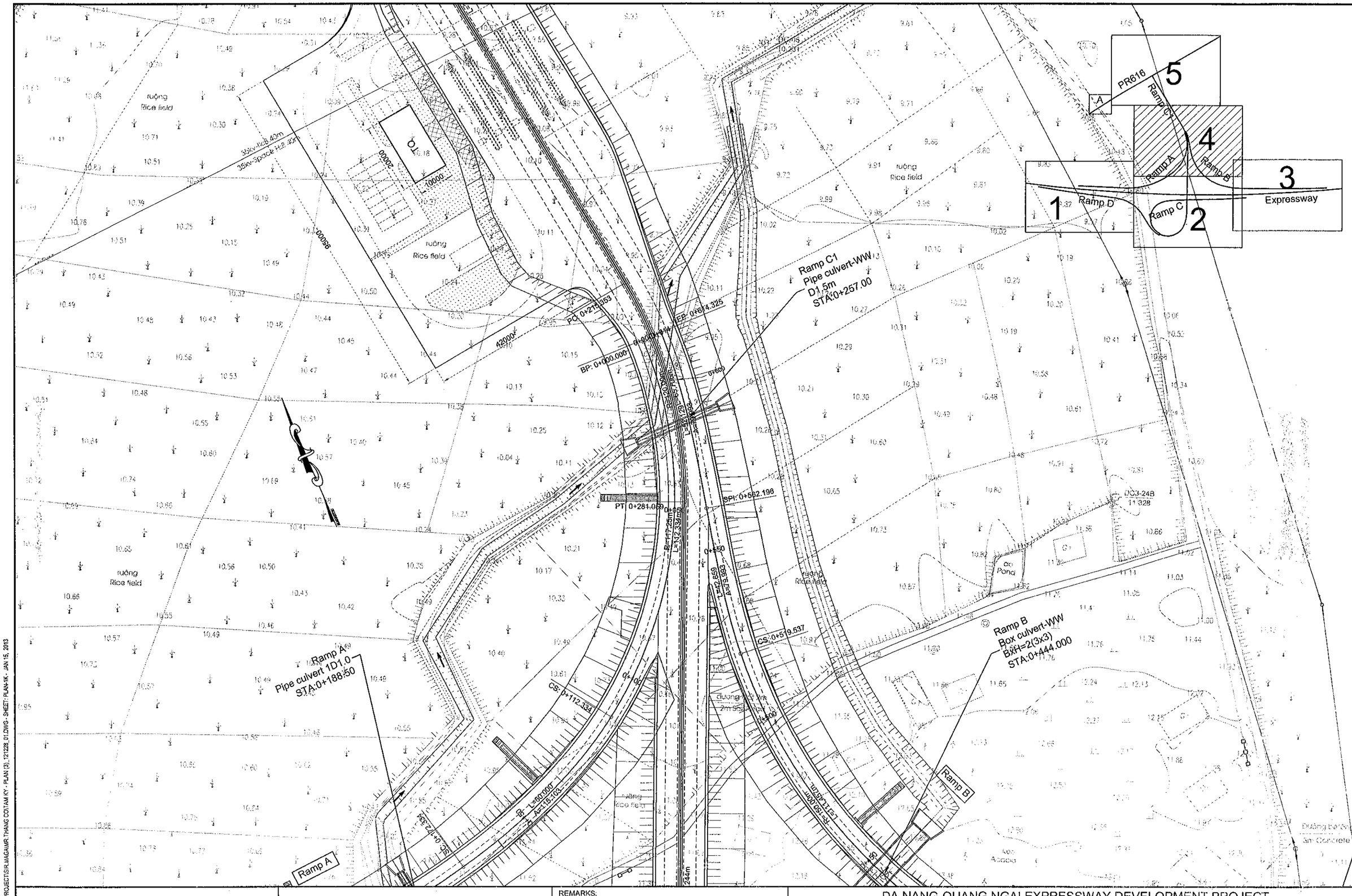
TAM KY INTERCHANGE
NÚT GIAO TAM KỲ
KM 64+950
LIMIT OF INTERCHANGE
Expressway
Pipe culvert-WW
D1.5m
STA:64+618
Frontage road
Pipe culvert-WW
Đường đất 2.5m
2.5m Soil Road
Đường bêtông 3m
3m Concrete Road
xóm Cầu Tre
Bamboo bridges to hamlet
ruộng
Rice field
kẻo
acacia
bể nước
water tank
12 mộ xây
12 brick graves
10 mộ xây
10 brick graves
6 mộ đất
6 grave soil
5 mộ xây 5 mộ đất
5 brick graves+5 graves
Expressway
Box culvert-RD
BxH=4x3
STA:64+709
Expressway
Box culvert-WW
BxH=2x2
STA:64+680
Frontage road
Pipe culvert-WW
Telephone wire
xóm Xuân
Hamlet
R=700,00m
L=40,453m
L=111.671m
R=2.500,00m
L=66,416m
L=59,994m
PRC 0+220,080
PC 0+146,409
RCC 0+059,994
EP1 0+000,000
DC-34
13.218
UC3-24
12.385
CC 0+019,285
PR616
Ramp C1
Ramp A
Ramp B
Ramp C
Ramp D
Expressway
1
2
3
4
5
A

MINISTRY OF TRANSPORT VIETNAM	ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: Station:
CLIENT: VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT CONSULTANT: PROJECT MANAGEMENT UNIT NO.85	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	PLAN OF TAM KY INTERCHANGE (3/5) MẶT BẰNG NÚT GIAO TAM KỲ (3/5)

	PREPARED BY	CHECKED BY	APPROVED BY	SCALE	DRAWING NO.	REV. NO.
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	1/1000	PKG7-IC-PP- 040	3
SIGNATURE						
DATE						

PATH - D:_02.CAREER\ON-GN PROJECT\SR.MAGA\MR.THANG COT\AM KY - PLAN (3)_121228_01.DWG - SHEET: PLAN-IK - JAN 15, 2013

000239

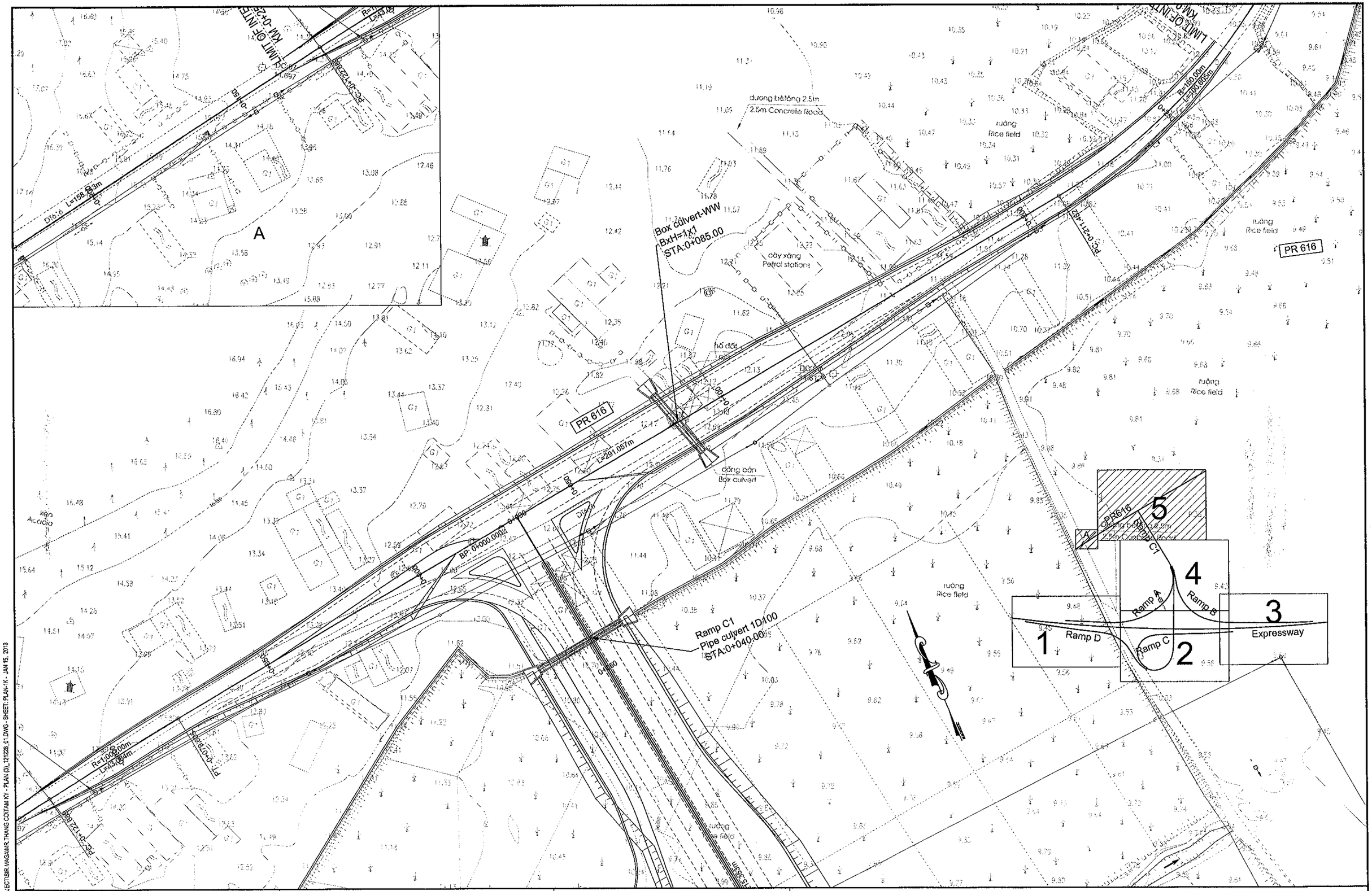


MINISTRY OF TRANSPORT VIETNAM	ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: Station:
CLIENT: VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT CONSULTANT: PROJECT MANAGEMENT UNIT NO.85	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	PLAN OF TAM KY INTERCHANGE (4/5) MẶT BẰNG NÚT GIAO TAM KỲ (4/5)

	PREPARED BY	CHECKED BY	APPROVED BY	SCALE	DRAWING NO.	REV. NO.
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	1/1000	PKG7-IC-PP- 050	3
SIGNATURE						
DATE						

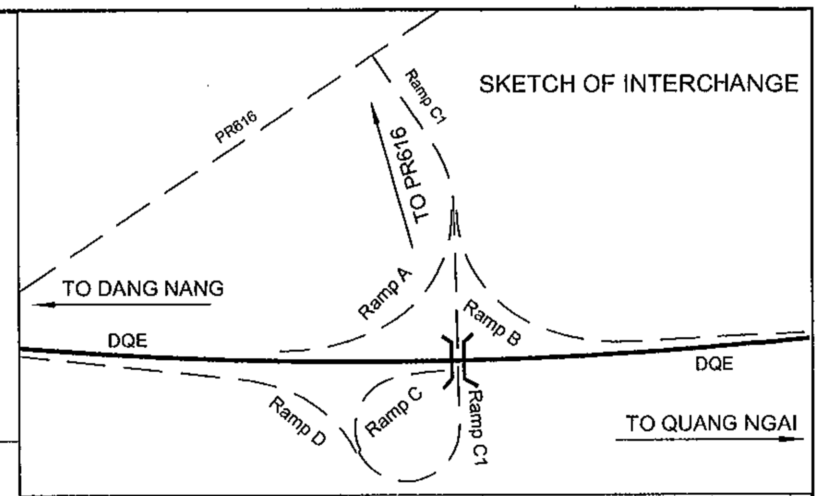
PATH - D:_02.CAREER\DN-QN PROJECT\SIR\MAGA\MR.THANG CO\TAM KY - PLAN (3)_121228_01.DWG - SHEET: PLAN-1K - JAN 15, 2013

000240

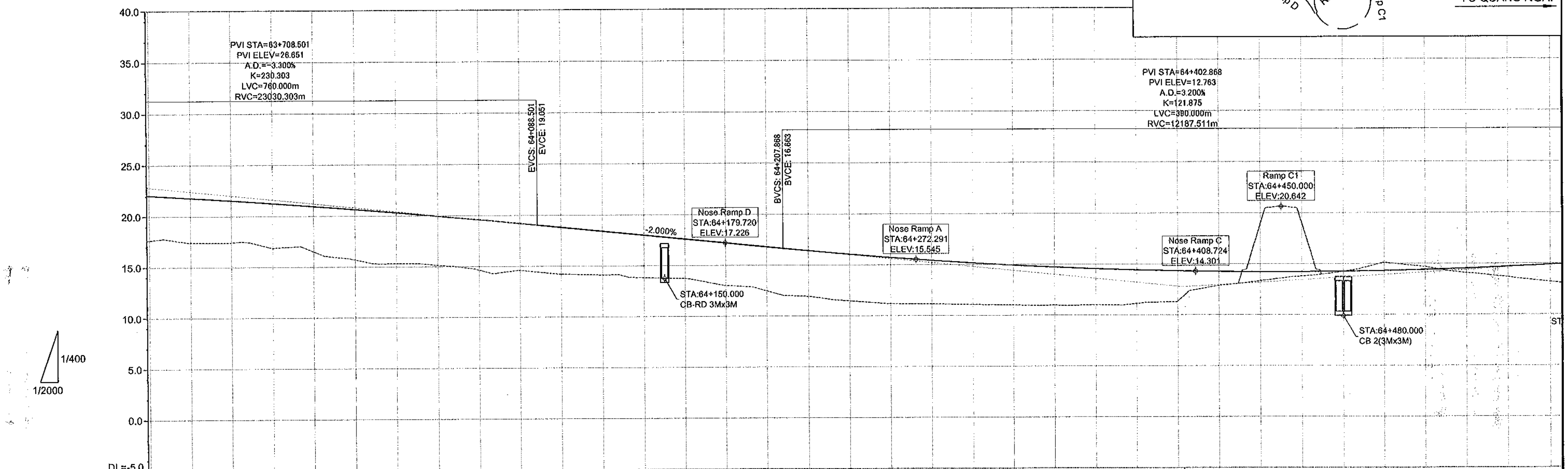


MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT					
				Package:		Station:			
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF TAM KY INTERCHANGE (5/5) MẶT BẰNG NÚT GIAO TAM KỲ (5/5)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	SCALE: 1/1000	DRAWING NO.: PKG7-IC-PP- 060
				SIGNATURE					REV. NO.: 3
				DATE					

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\MR.THANG CO\TAM KY - PLAN (3)_121228_01.DWG - SHEET: PLAN-IK - JAN 15, 2013



PROFILR OF Expressway
TRẮC DỌC Expressway



PROFILE ĐỘ DỐC DỌC	i=-2.000% L=694.367m	12.763

	63+920	63+940	63+960	63+980	64+000	64+020	64+040	64+060	64+080	64+100	64+120	64+140	64+160	64+180
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	21.804	21.542	21.262	20.965	20.651	20.319	19.970	19.603	19.219	18.821	18.421	18.021	17.621	17.221
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	17.413	17.441	16.886	16.517	15.711	15.318	15.157	14.664	14.617	14.226	14.119	13.836	13.744	13.034
STATION LÝ TRÌNH	63+920.000	63+940.000	63+960.000	63+980.000	64+000.000	64+020.000	64+040.000	64+060.000	64+080.000	64+100.000	64+120.000	64+140.000	64+160.000	64+180.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	63920.000	63940.000	63960.000	63980.000	64000.000	64020.000	64040.000	64060.000 / 64062.878	64080.000	64100.000	64120.000	64140.000	64160.000	64179.720 / 64180.000

	64+200	64+220	64+240	64+260	64+280	64+300	64+320	64+340	64+360	64+380	64+400	64+420	64+440	64+460	64+480	64+500	64+520	64+540	64+560	64+580
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	16.821	16.427	16.063	15.732	15.434	15.169	14.936	14.737	14.570	14.436	14.335	14.267	14.231	14.229	14.259	14.322	14.418	14.546	14.708	14.902
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	12.498	11.939	11.481	11.187	11.155	11.078	11.018	11.006	11.030	11.133	11.355	12.904	13.351	13.805	14.250	15.120	14.696	14.091	13.683	13.217
STATION LÝ TRÌNH	64+200.000	64+220.000	64+240.000	64+260.000	64+280.000	64+300.000	64+320.000	64+340.000	64+360.000	64+380.000	64+400.000	64+420.000	64+440.000	64+460.000	64+480.000	64+500.000	64+520.000	64+540.000	64+560.000	64+580.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	64200.000	64220.000	64240.000	64260.000	64280.000 / 64279.500	64300.000	64320.000	64340.000	64360.000	64380.000 / 64381.541	64400.000	64420.000	64440.000	64460.000	64480.000 / 64485.834	64500.000	64520.000	64540.000	64560.000	64580.000

HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG	L=3545.127m R=5000.000m	L=3545.127m R=5000.000m

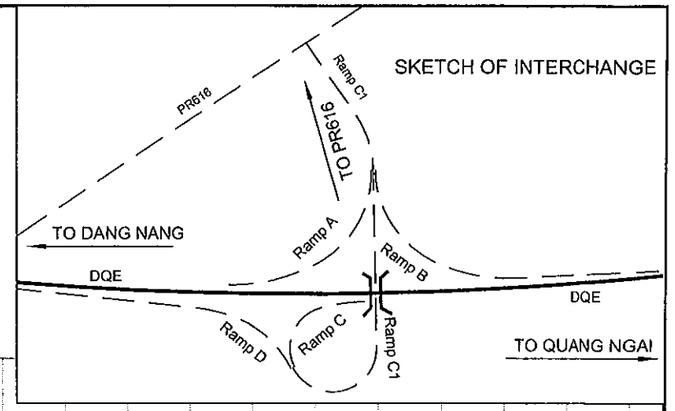
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

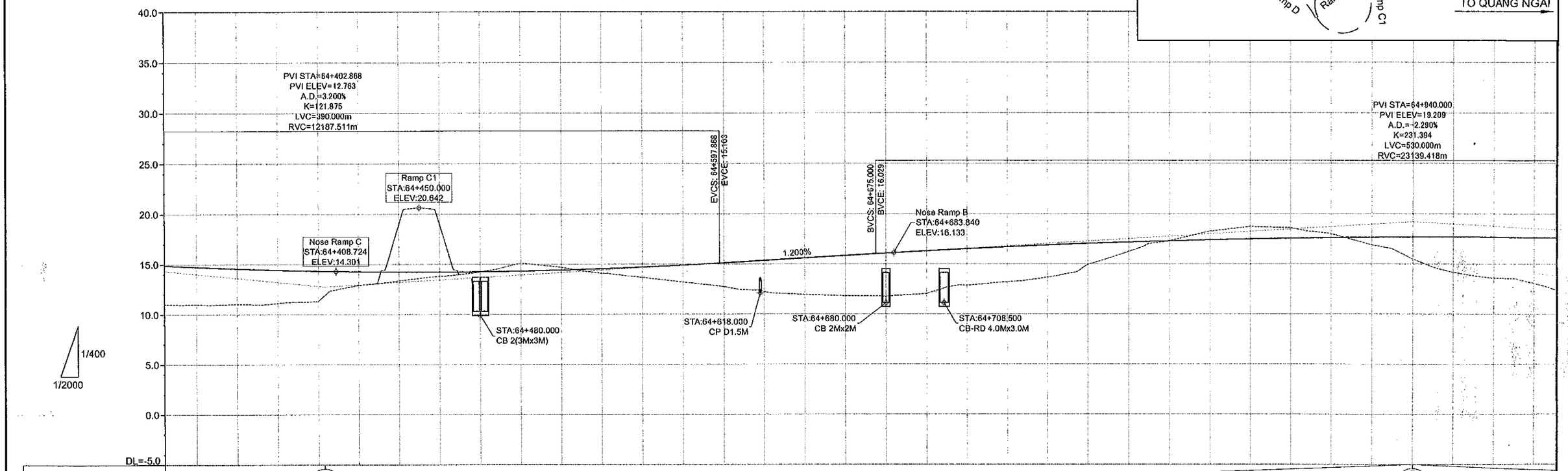
	PREPARED BY	CHECKED BY	APPROVED BY	TAM KY INTERCHANGE - NÚT GIAO TAM KỲ		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF MAIN ROAD-TRẮC DỌC TUYẾN CHÍNH (1/2)		
SIGNATURE	[signature]	[signature]	[signature]	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG7-IC-PP-030	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\04 TAM KY IC KM63+960-64+930\TAM KY IC-ACAD FILE\LAST FILE\ACAD-03.PROFILE-DAYLIGHT-TAM KY IC.121226.DWG - SHEET: PROFILE - JAN 13, 2013

000242



PROFILR OF Expressway
TRẮC DỌC Expressway



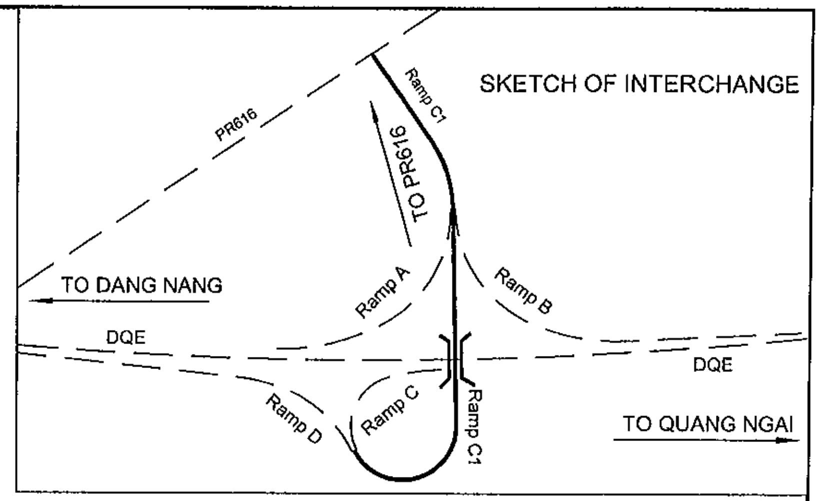
PROFILE ĐỘ DỐC DỌC				12.763																										19.209			
																			i=1.200% L=537.132m															
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	14.737	14.570	14.436	14.335	14.267	14.231	14.229	14.259	14.322	14.418	14.546	14.708	14.902	15.129	15.369	15.609	15.849	16.088	16.315	16.525	16.718	16.893	17.051	17.191	17.315	17.421	17.509	17.581	17.635	17.672	17.691	17.694	17.679	17.646
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	11.006	11.030	11.133	11.355	12.904	13.351	13.805	14.250	15.120	14.696	14.091	13.683	13.217	12.767	12.264	11.955	11.839	11.792	12.063	12.870	13.223	13.684	14.957	16.252	17.328	18.261	18.733	18.605	18.030	16.906	15.491	14.181	13.590	13.075
STATION LÝ TRÌNH	64+340.000	64+360.000	64+380.000	64+400.000	64+420.000	64+440.000	64+460.000	64+480.000	64+500.000	64+520.000	64+540.000	64+560.000	64+580.000	64+600.000	64+620.000	64+640.000	64+660.000	64+680.000	64+700.000	64+720.000	64+740.000	64+760.000	64+780.000	64+800.000	64+820.000	64+840.000	64+860.000	64+880.000	64+900.000	64+920.000	64+940.000	64+960.000	64+980.000	65+000.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	64340.000	64360.000	64380.000	64400.000	64420.000	64440.000	64460.000	64480.000	64500.000	64520.000	64540.000	64560.000	64580.000	64600.000	64620.000	64640.000	64660.000	64680.000	64700.000	64720.000	64740.000	64760.000	64780.000	64820.000	64840.000	64860.000	64880.000	64900.000	64940.000	64960.000	64980.000	65000.000		
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG	L=3545.127m R=5000.000m																																	

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

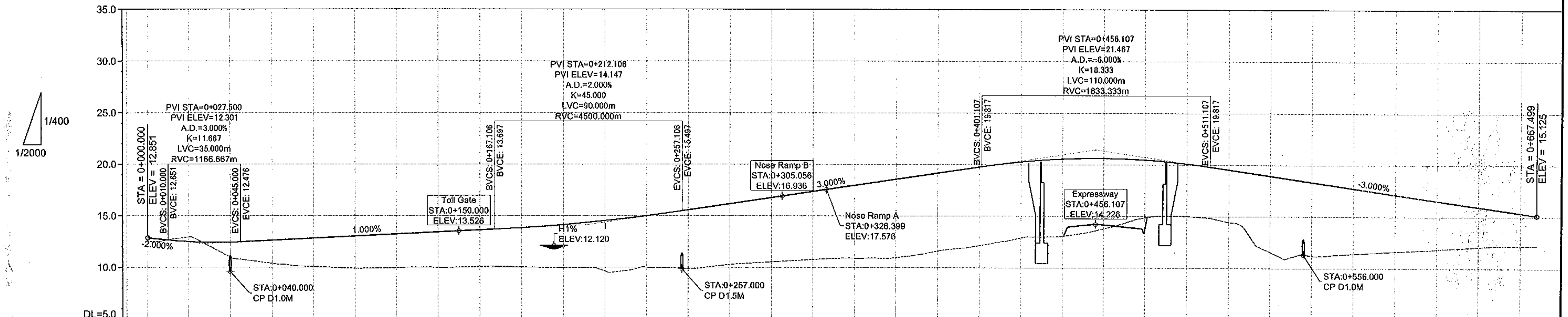
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TAM KY INTERCHANGE - NÚT GIAO TAM KỲ PROFILE OF MAIN ROAD-TRẮC DỌC TUYẾN CHÍNH (2/2)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG7-IC-PP-080	3

PATH - DL_02.CAREER\DN-QN PROJECT\SIR.MAGARIO\4 TAM KY IC-KM63+980-64+930\TAM KY IC-ACAD FILE\LAST FILE\ACAD-03.PROFILE\DAYLIGHT - TAM KY IC_121226.DWG - SHEET: PROFILE - JAN 13, 2013



PROFILR OF Ramp C1
TRẮC DỌC Ramp C1



PROFILE / ĐỘ DỐC DỌC

PVI elevation	Grade
12.851	i=-2.000%, L=27.500m
12.301	i=1.000%, L=184.606m
14.147	i=3.000%, L=244.001m
21.467	i=-3.000%, L=211.392m
15.125	

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN
-0+010.000		
0+000.000	12.851	12.483
0+020.000	12.494	12.945
0+040.000	12.437	11.002
0+060.000	12.626	10.330
0+080.000	12.826	10.073
0+100.000	13.026	9.902
0+120.000	13.226	9.959
0+140.000	13.426	9.980
0+160.000	13.626	10.061
0+180.000	13.844	10.036
0+200.000	14.146	9.995
0+220.000	14.537	9.637
0+240.000	15.016	10.007
0+260.000	15.584	9.863
0+280.000	16.184	10.284
0+300.000	16.784	10.539
0+320.000	17.384	10.775
0+340.000	17.984	10.899
0+360.000	18.584	10.976
0+380.000	19.184	11.617
0+400.000	19.784	12.159
0+420.000	20.287	12.901
0+440.000	20.571	13.075
0+460.000	20.638	13.803
0+480.000	20.486	14.887
0+500.000	20.117	15.033
0+520.000	19.550	14.447
0+540.000	18.950	11.558
0+560.000	18.350	11.208
0+580.000	17.750	11.410
0+600.000	17.150	11.635
0+620.000	16.550	11.849
0+640.000	15.950	12.077
0+660.000	15.350	12.194

ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN: -10.000, 20.000, 40.000, 60.000, 80.000, 90.470, 100.000, 120.000, 140.000, 160.000, 180.000, 191.878, 200.000, 220.000, 240.000, 260.000, 280.000, 297.764, 300.000, 320.000, 340.000, 360.000, 380.000, 400.000, 411.229, 420.000, 440.000, 460.000, 480.000, 500.000, 512.125, 520.000, 540.000, 560.000, 580.000, 600.000, 612.756, 620.000, 624.800, 640.000, 660.000

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=215.353m | L=65.706m, R=120.000m | L=219.244m | A=71.643, L=81.797m | L=85.398m, R=62.750m

SUPER ELEVATION / SIÊU CAO:

Station	Upper	Lower
0+195.353	-2.000%	-2.000%
0+235.353	2.000%	-2.000%
0+261.059	2.000%	-2.000%
0+301.059	-2.000%	-2.000%
0+547.101	-2.000%	-2.000%
0+582.101	6.000%	-6.000%
0+667.499	6.000%	-6.000%

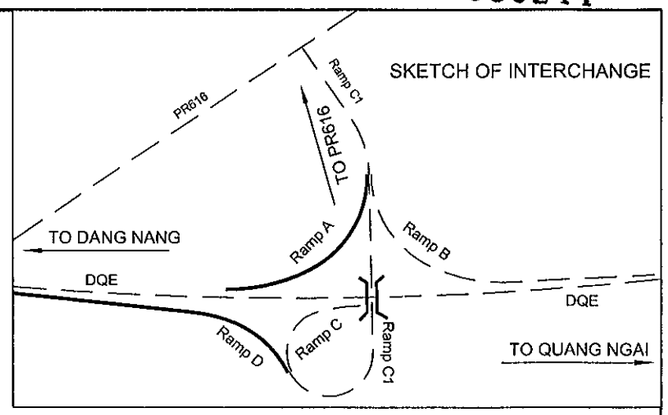
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

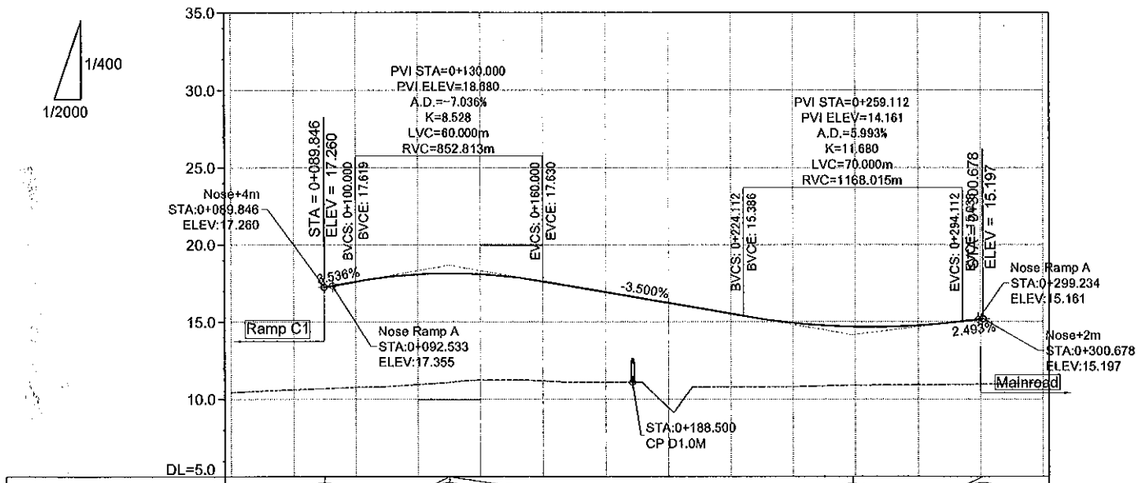
	PREPARED BY	CHECKED BY	APPROVED BY	TAM KY INTERCHANGE - NÚT GIAO TAM KỲ PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE	[signature]	[signature]	[signature]	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG7-IC-PP-000	0

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\04 TAM KY IC KM63+980-64+930\TAM KY IC-ACAD FILE\LAST FILE\ACAD-03.PROFILE-DAYLIGHT-TAM KY IC.121226.DWG - SHEET: PROFILE - JAN 13, 2013

000244

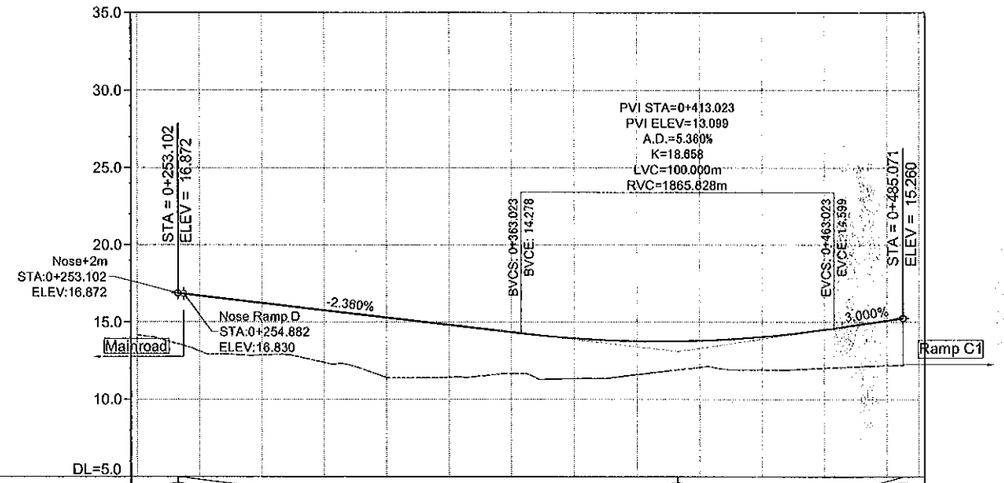


PROFILR OF Ramp A
TRẮC DỌC Ramp A



PROFILE ĐỘ DỐC DỌC	17.260	i=3.536% L=40.154m	18.680	i=-3.500% L=129.112m						14.161	i=2.493% L=41.566m	15.197	
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ			17.619	18.092	18.085	17.630	16.930	16.230	15.530	14.938	14.681	14.767	15.180
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	10.429	10.613	10.762	10.940	11.243	11.177	11.089	9.438	10.791	10.796	10.892	10.907	10.951	11.046
STATION LÝ TRÌNH	0+060.000	0+080.000	0+100.000	0+120.000	0+140.000	0+160.000	0+180.000	0+200.000	0+220.000	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN		80.000	100.000	120.000	140.000	160.000	180.000	200.000	220.000	240.000	260.000	280.000	300.000	
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG			A=115.103 L=60.000m			L=141.862m R=250.000m								
SUPER ELEVATION SIÊU CAO	2.000% 0+112.334 -2.000%													

PROFILR OF Ramp D
TRẮC DỌC Ramp D



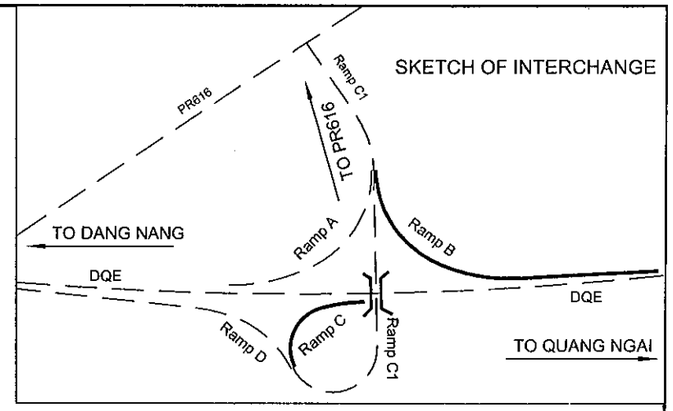
PROFILE ĐỘ DỐC DỌC	16.872	i=-2.360% L=159.921m						13.099	i=3.000% L=72.048m	15.260			
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	16.709	16.237	15.765	15.294	14.822	14.350	13.955	13.772	13.804	14.050	14.510	15.108	
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	14.152	13.119	12.854	12.387	11.409	11.414	11.670	11.346	11.604	12.072	11.905	12.026	12.185
STATION LÝ TRÌNH	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000	0+400.000	0+420.000	0+440.000	0+460.000	0+480.000	0+490.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN		260.000	280.000	300.000	320.000	341.999 340.000	360.000	380.000	400.000	420.000	440.000 444.047	460.000	480.000	490.000
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG		A=80.000 L=53.333m		L=60.955m R=120.000m			A=70.000 L=40.833m		A=70.000 L=74.869m				
SUPER ELEVATION SIÊU CAO	2.000% 0+308.473 -2.000%			2.000% 0+369.429 -2.000%			-6.000% 0+485.071 6.000%						

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

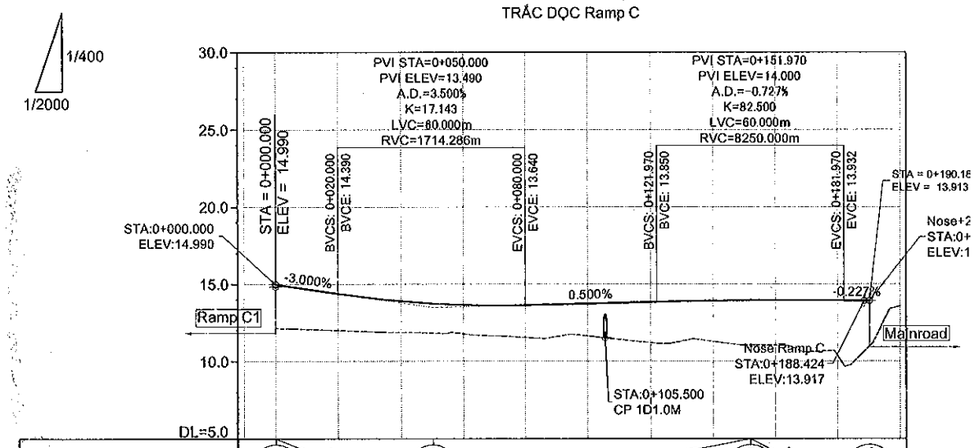
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TAM KY INTERCHANGE - NÚT GIAO TAM KỲ PROFILE OF RAMP A&D-TRẮC DỌC NHÁNH A&D		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG7-IC-PP-400	3

PATH - D:_02.CAREER\ON PROJECTS\RJMAGA\04 TAM KY IC KM63+980-64+930\TAM KY IC-ACAD FILE\LAST FILE\ACAD-06\PROFILE-DAYLIGHT-TAM KY IC-121226.DWG - SHEET: PROFILE -

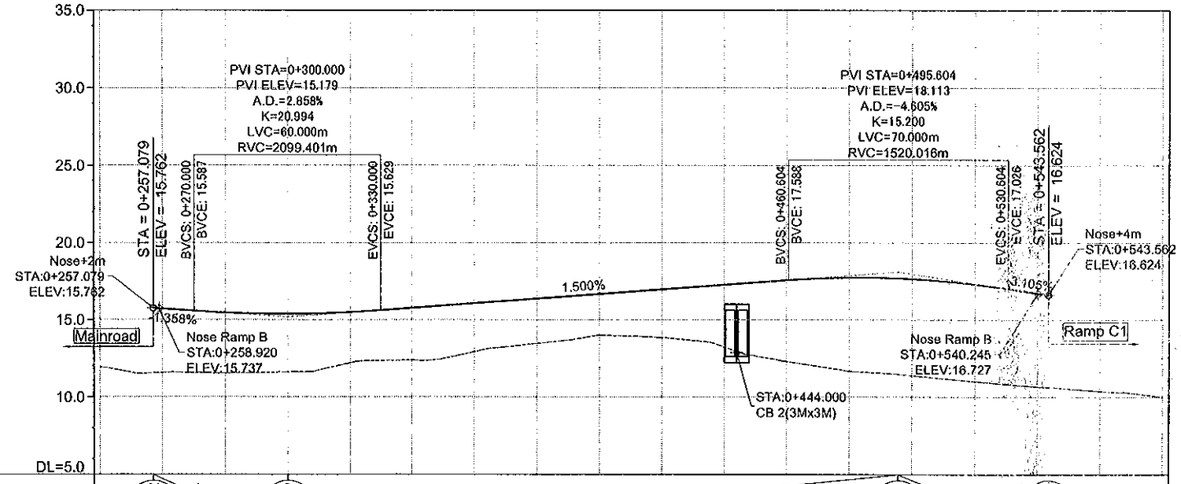


PROFILR OF Ramp C
TRẮC DỌC Ramp C



PROFILE ĐỘ DỐC DỌC	14.990	i=-3.000% L=50.00m	13.490	i=0.500% L=101.970m	14.000	i=-0.227% L=38.214m	13.913
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	14.990	14.390	13.907	13.657	13.640	13.740	13.840	13.920	13.952	13.936	
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	12.137	11.997	11.873	11.787	11.550	11.639	11.202	11.292	11.030	10.361	13.576
STATION LÝ TRÌNH	0+010.000	0+000.000	0+020.000	0+040.000	0+060.000	0+080.000	0+100.000	0+120.000	0+140.000	0+160.000	0+180.000	0+200.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	10.000		20.000	40.000	60.000 83.333	80.000	90.460	100.000	120.000	140.000	160.000	180.000	191.295
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG		L=127.074m R=60.000m							A=60.921 L=60.000m			
SUPER ELEVATION SIÊU CAO	6.000% 0+000.000 -6.000%							6.000% 0+127.075 -6.000%			2.000% 0+187.074 -2.000%	

PROFILR OF Ramp B
TRẮC DỌC Ramp B



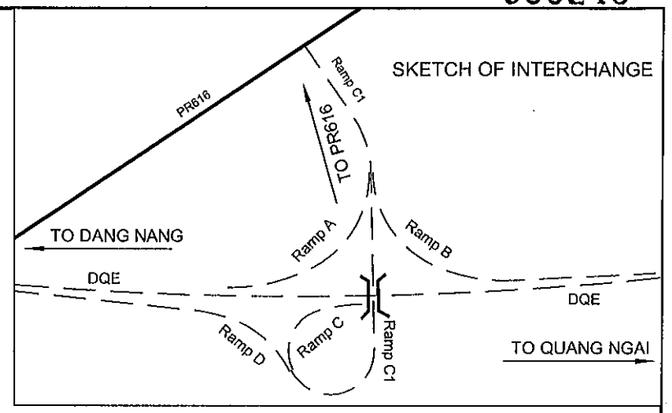
PROFILE ĐỘ DỐC DỌC	15.762	i=-1.358% L=42.921m	15.179	i=1.500% L=195.604m	18.113	i=-3.105% L=47.958m	16.624
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	15.722	15.475	15.393	15.503	15.779	16.079	16.379	16.679	16.979	17.279	17.579	17.755	17.669	17.319	16.735	
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	11.958	11.592	11.542	11.618	12.213	12.396	12.930	13.472	14.009	13.845	13.249	12.301	11.690	11.396	11.013	10.690	10.383	10.006
STATION LÝ TRÌNH	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000	0+400.000	0+420.000	0+440.000	0+460.000	0+480.000	0+500.000	0+520.000	0+540.000	0+560.000	0+580.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN		260.000	280.000	300.000	320.000	340.000 343.088	360.000	380.000	400.000	420.000	440.000 441.885	460.000 463.809	480.000	500.000	520.000	540.000 542.931	560.000	
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG		A=150.000 L=150.000m								L=111.457m R=150.000m						A=79.993 L=42.659m		
SUPER ELEVATION SIÊU CAO									2.000% 0+408.080 -2.000%						2.000% 0+519.537 -2.000%			

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

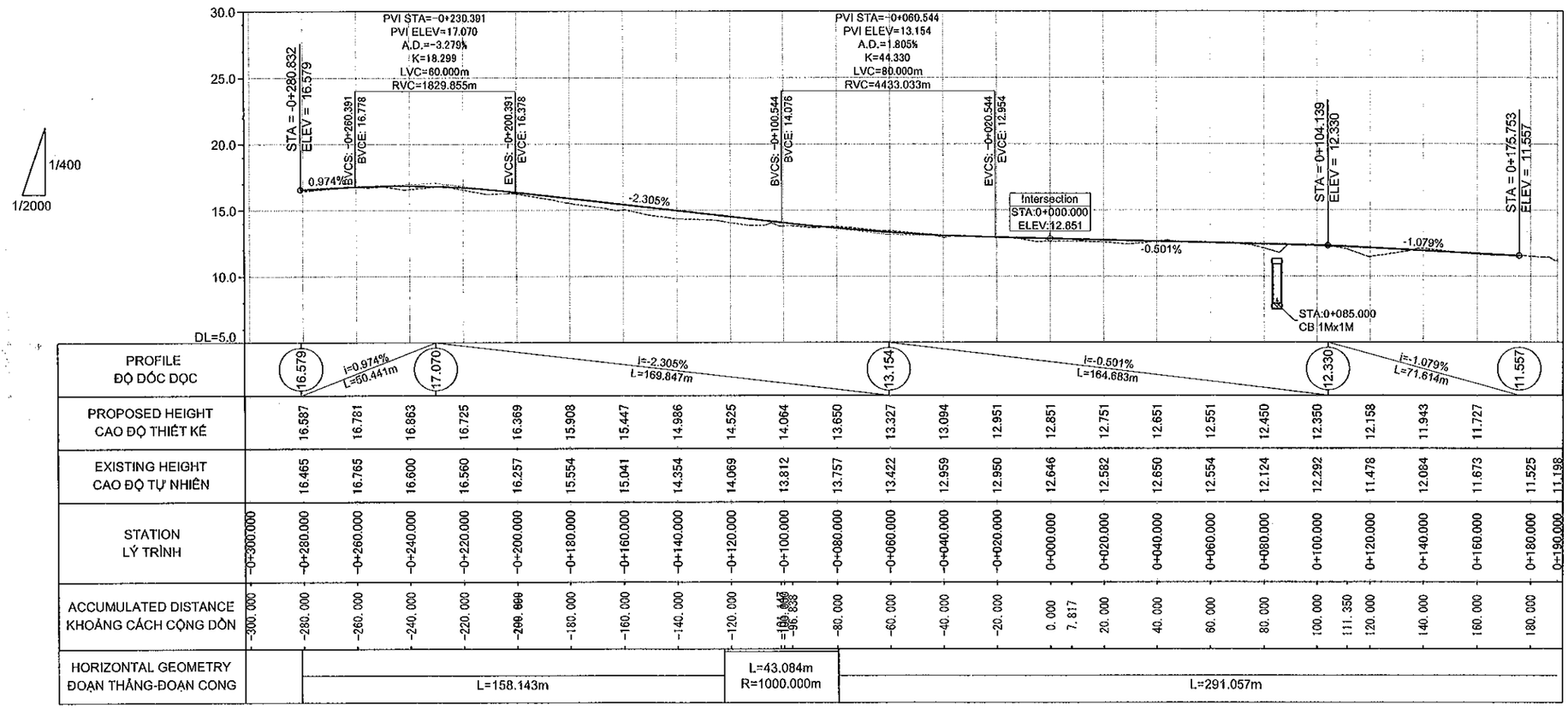
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	TAM KY INTERCHANGE - NÚT GIAO TAM KỲ PROFILE OF RAMP C&B-TRẮC DỌC NHÁNH C&B		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKG7-IC-PP-140	3

PATH - D:_02.CAREER\ON-GOING PROJECT\SRJ\MAGARIA TAM KY IC KM83+980-84+930\TAM KY IC-ACAD FILE\LAST FILE\ACAD-03.PROFILE-DAYLIGHT-TAM KY IC.121226.DWG - SHEET: PROFILE -



PROFILR OF PR 616
TRẮC DỌC PR 616



MINISTRY OF TRANSPORT VIETNAM	ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: Station:
CLIENT: VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT CONSULTANT: PROJECT MANAGEMENT UNIT NO.85	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	

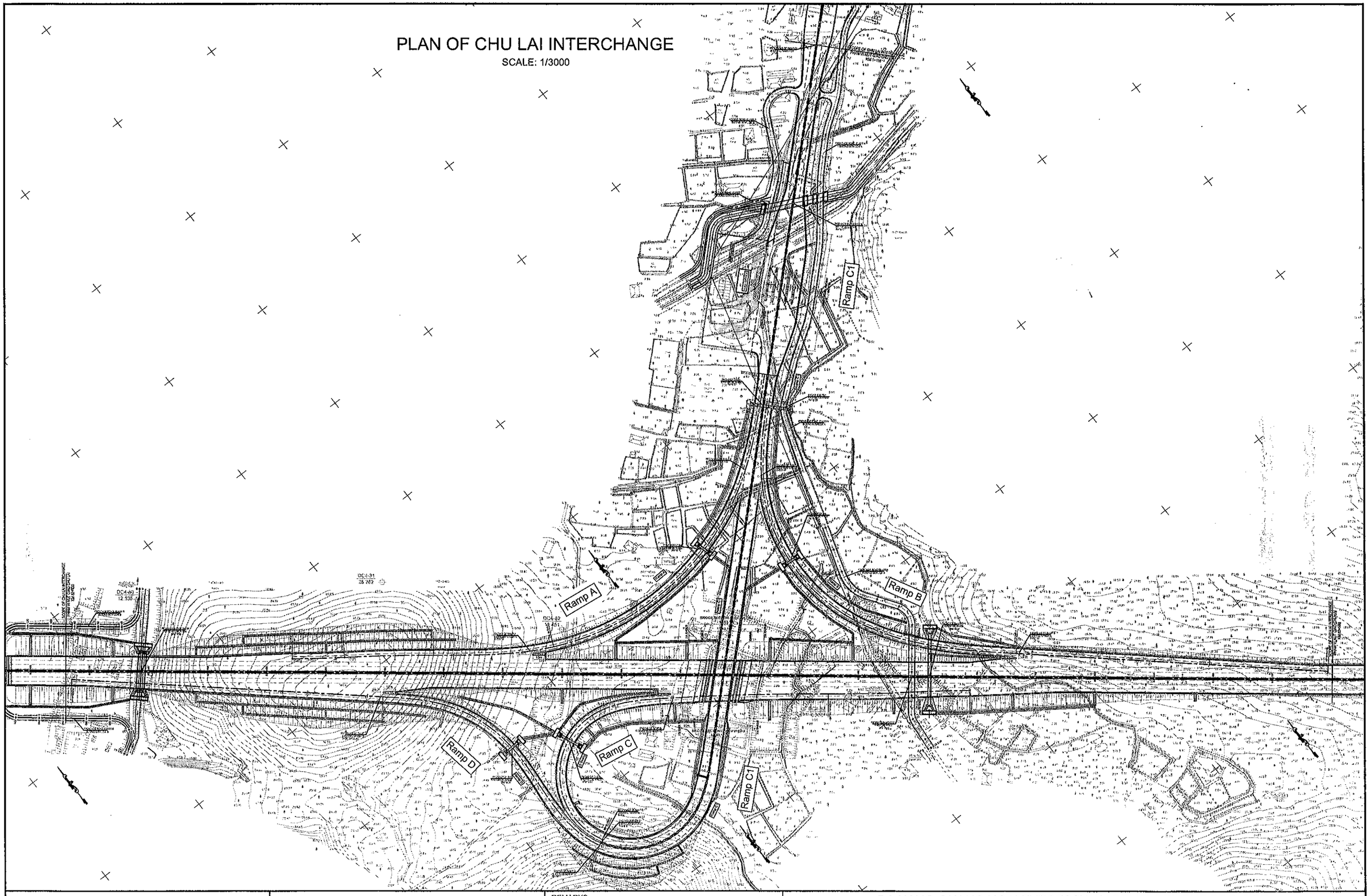
	PREPARED BY	CHECKED BY	APPROVED BY	TAM KY INTERCHANGE - NÚT GIAO TAM KỲ PROFILE OF PR 616-TRẮC DỌC DT 616		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE: AS SHOW	DRAWING NO.: PKG7-IC-PP-120	REV. NO.: 0
DATE						

PATH= D:_02.CAREER\ON-GN PROJECTS\IR.MAGA\04 TAM KY IC-KM63+980-54+630\TAM KY IC-ACAD FILE\LAST FILE\ACAD-03.PROFILE-DAYLIGHT-TAM KY IC-12126.DWG - SHEET: PROFILE - JAN 13, 2013

E5. CHU LAI INTERCHANGE
E5. NÚT GIAO CHU LAI

PLAN OF CHU LAI INTERCHANGE

SCALE: 1/3000



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	CHU LAI INTERCHANGE
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PLAN OF CHU LAI INTERCHANGE
SIGNATURE				SCALE: 1:3000 / DRAWING NO.: PKGA2-IC-PP-010 / REV. NO.: 3
DATE				

PATH - D:_02.CAREER\ION-GN PROJECT\SIR.MAGAMI\R.THANG CO\CHU LAI - PLAN DRAWING_FINAL\CHU LAI - PLAN DRAWING_FINAL.DWG - SHEET: PLAN-1K - JAN 15, 2013

000249

SCOPE OF CHU LAI INTERCHANGE
PHẠM VI NÚT GIAO CHU LAI
KM 82+430

QUỐC LỘ 1A
1A highway

DC4-80
12.535

DC4-81
26.282

TRỒNG KEO
Acacia

FRONTAGE ROAD, CLASS B
ĐƯỜNG GOM LOẠI B

PKGA2-CB,Bx1=2X(3X2)M
Km 82+493.88, A=65d
(Mainline)

QUANG NGAI

DA NANG

ĐƯỜNG ĐẤT 3M
Pathway 3m

BEGINNING OF RAMP D
ĐIỂM ĐẦU NHÁNH D
0+261.33

PKGA2-CP
Km0+385.00,
(Ra

Ramp A
Ramp B
Ramp C
Ramp C1
Ramp D

MINISTRY OF TRANSPORT VIETNAM	ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT: VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT CONSULTANT: PROJECT MANAGEMENT UNIT NO.85	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	LISHIMOTO
SIGNATURE			
DATE			

PLAN OF CHU LAI INTERCHANGE (1/5)
MẶT BẰNG NÚT GIAO CHU LAI (1/5)

SCALE	DRAWING NO.	REV. NO.
1/1000	PKGA2-IC-PP-020	3

PATH - D:_02.CAREER\DA-QN PROJECT\SIR.MAGNUR.THANG CO\CHU LAI - PLAN DRAWING_FINAL\CHU LAI - PLAN DRAWING_FINAL.DWG - SHEET: PLAN 1K - JAN 15, 2013

000250

DC4-82
12.451

DC4-83
8.076

ENDING OF RAMP A
ĐIỂM CUỐI NHÁNH A
0+335.14

BEGINNING OF RAMP C
ĐIỂM ĐẦU NHÁNH C
0+000

ENDING OF RAMP C
ĐIỂM CUỐI NHÁNH C
0+199.91

ENDING OF RAMP C1
ĐIỂM CUỐI NHÁNH C1
1+902.9

ENDING OF RAMP D
ĐIỂM CUỐI NHÁNH D
0+497.1

BRIDGE SECTION / PHẠM VI CẦU
L=63,1m

DA NANG

QUANG NGAI

PKGA2-CP D1.5m
Km0+385.00, A=90d
(Ramp D)

PKGA2-CP D1.5m
Km0+100.00, A=90d
(Ramp C)

PKGA2-RD 8xH=5X3.5m
KM83+146, A=90d
(Mainline)

Ramp A
Ramp B
Ramp C
Ramp C1
Ramp D

AO Pond

ĐẤT TRỐNG
Wasteland

LÚA
Paddy field

KEO
Acacia

ĐƯỜNG ĐẤT 3M
Pathway 3m

BỂ NƯỚC
Water tank

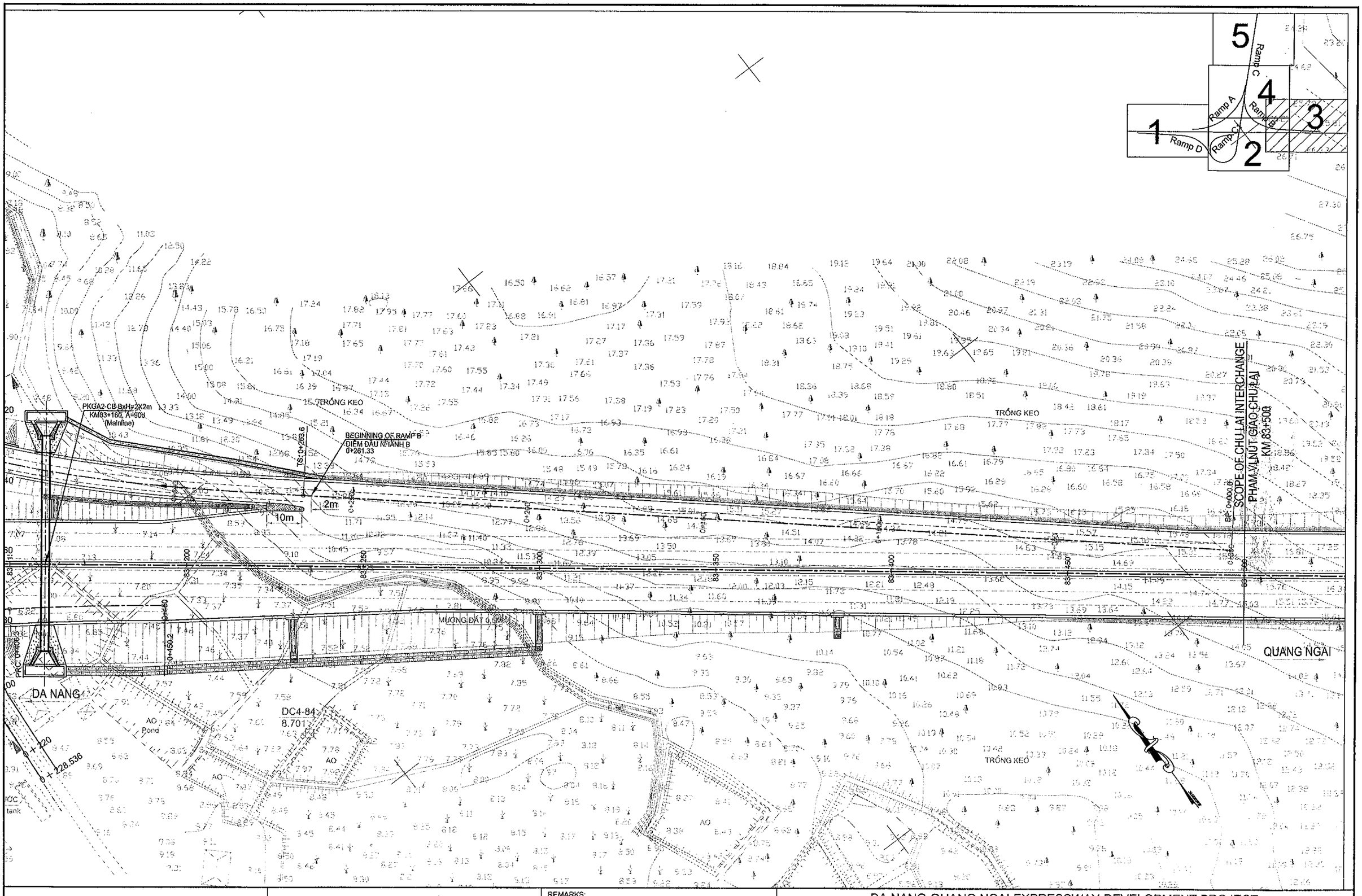
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF CHU LAI INTERCHANGE (2/5) MẶT BẰNG NÚT GIAO CHU LAI (2/5)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/1000	PKGA2-IC-PP-030	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR MAGAWA\THANG CO\CHU LAI - PLAN DRAWING_FINAL\CHU LAI - PLAN DRAWING_FINAL.DWG - SHEET: PLAN 1K - JAN 15, 2013

000251



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

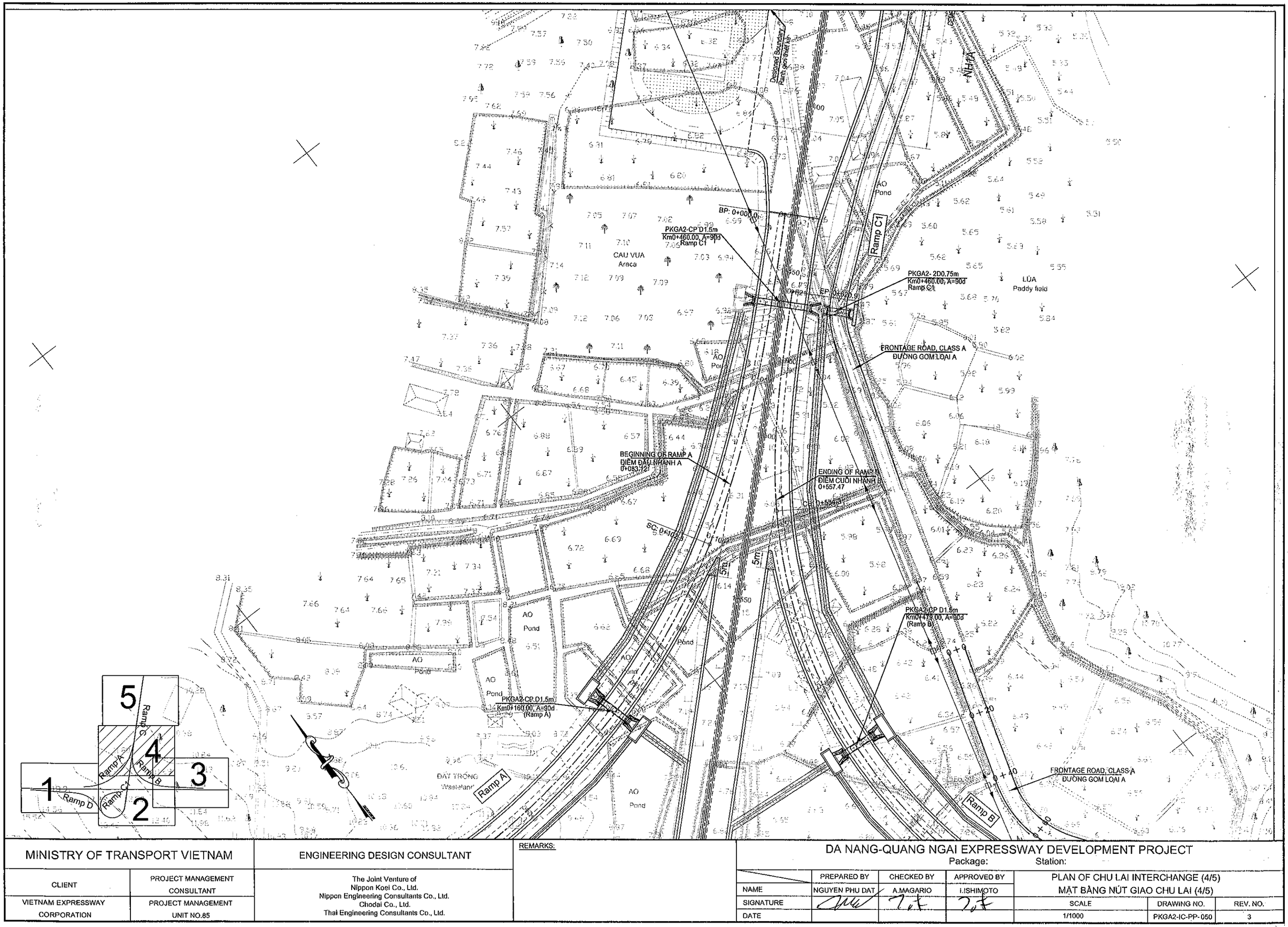
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF CHU LAI INTERCHANGE (3/5) MẶT BẰNG NÚT GIAO CHU LAI (3/5)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	SCALE	DRAWING NO.	REV. NO.
SIGNATURE				1/1000	PKGA2-IC-PP-040	3
DATE						

PATH - D:\02.CAREER\DN-QN PROJECT\SIR.MAGAMR_THANG CO\CHU LAI - PLAN DRAWING_FINAL\CHU LAI - PLAN DRAWING_FINAL.DWG - SHEET: PLAN 1K - JAN 15, 2013

000252



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

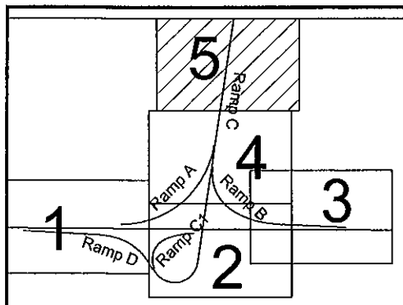
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF CHU LAI INTERCHANGE (4/5) MẶT BẰNG NÚT GIAO CHU LAI (4/5)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/1000	PKGA2-IC-PP-050	3

PATH: - DL_02.CAREER\DN-QN PROJECT\SIR.MAGAWR.T\HANG CO\CHU LAI - PLAN DRAWING_FINAL\CHU LAI - PLAN DRAWING_FINAL.DWG - SHEET: PLAN 1K - JAN 15, 2013

000253



BEGINNING OF RAMP C1
ĐIỂM ĐẦU NHÁNH C1
1+150

SCOPE OF CHU LAI INTERCHANGE
PHẠM VI NÚT GIAO CHU LAI
KM 1+150

NH1A

ACCESS ROAD, CLASS A
ĐƯỜNG GOM LOẠI A

FRONTAGE ROAD, CLASS A
ĐƯỜNG GOM LOẠI A

FRONTAGE ROAD, CLASS C
ĐƯỜNG GOM LOẠI C

PKGA2-CB BxH=2(3x1.5)m
Km1+310.00, A=90d
Ramp C1

MƯƠNG ĐẤT 4M
Canal 4m

TRỒNG KEO
Acacia

TOLL OFFICE

Designed Boundary
Ranh giới thiết kế

100m CEMENT CONCRETE PAVEMENT
MẶT ĐƯỜNG BTXM

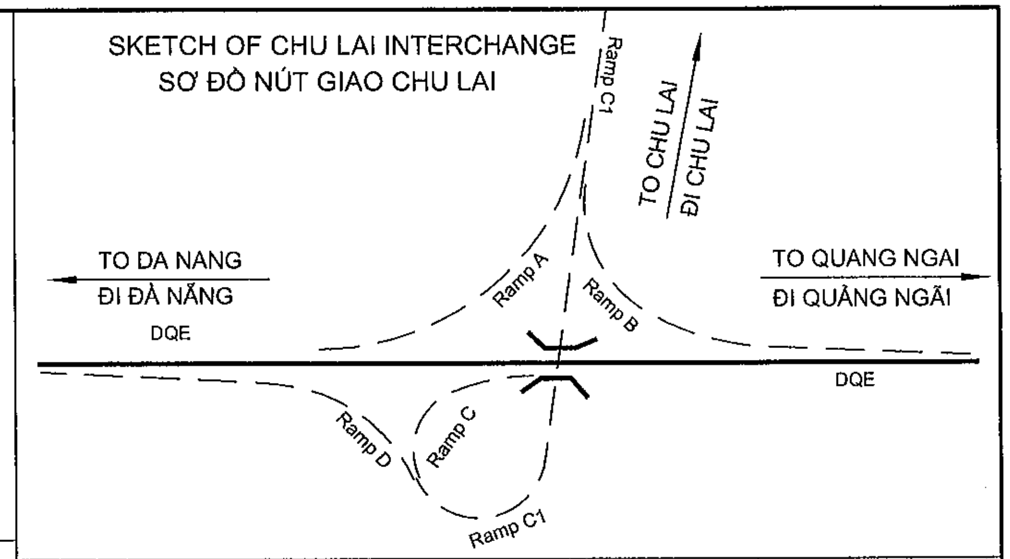
AO
Pond

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

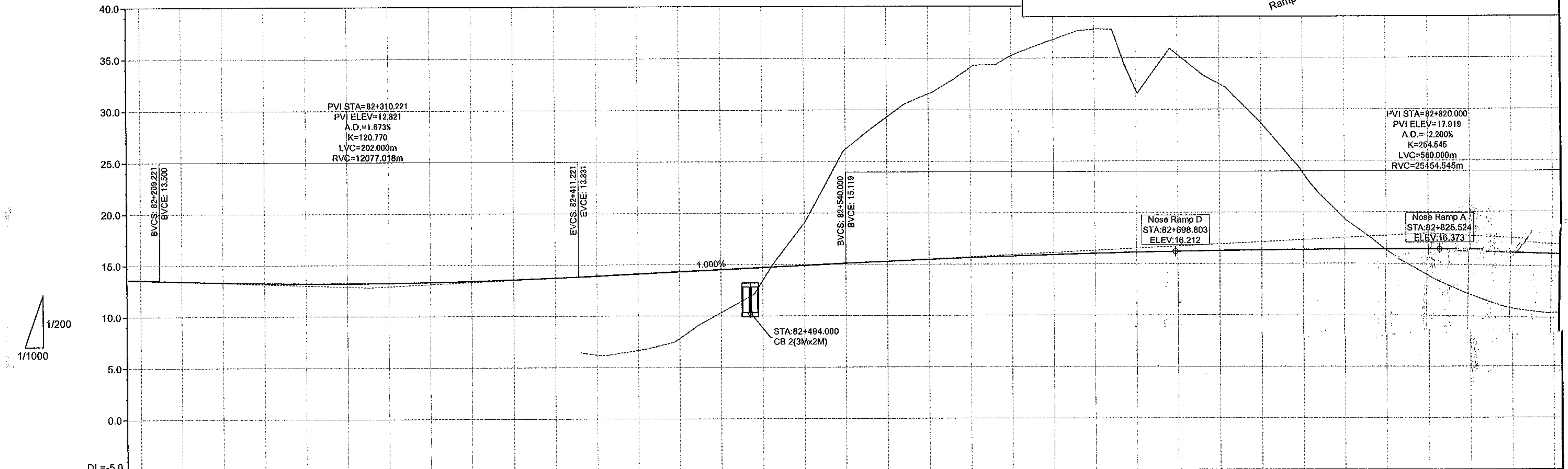
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF CHU LAI INTERCHANGE (5/5) MẶT BẰNG NÚT GIAO CHU LAI (5/5)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/1000	PKGA2-IC-PP-060	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGANUM\THANG CO\CHU LAI - PLAN DRAWING_FINAL\CHU LAI - PLAN DRAWING_FINAL.DWG - SHEET PLAN 1K - JAN 15, 2013



PROFILE OF DQE
TRẮC DỌC DQE



PROFILE / ĐỘ DỐC DỌC: 12.821; i=1.000% L=509.779m; 17.919

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
82+200.000	13.562		82200.000
82+220.000	13.433		82220.000
82+240.000	13.333		82240.000
82+260.000	13.266		82260.000
82+280.000	13.232		82280.000
82+300.000	13.231		82300.000
82+320.000	13.263		82320.000
82+340.000	13.329		82340.000
82+360.000	13.427		82360.000
82+380.000	13.559		82380.000
82+400.000	13.724		82400.000; 82412.026
82+420.000	13.919	6.210	82420.000
82+440.000	14.119	6.664	82440.000
82+460.000	14.319	7.804	82460.000
82+480.000	14.519	10.320	82480.000
82+500.000	14.719	13.449	82500.000
82+520.000	14.919	19.067	82520.000
82+540.000	15.119	26.227	82540.000
82+560.000	15.311	29.330	82560.000
82+580.000	15.487	31.573	82580.000
82+600.000	15.648	34.083	82600.000
82+620.000	15.793	35.253	82620.000; 82628.947
82+640.000	15.922	36.771	82640.000
82+660.000	16.036	37.769	82660.000
82+680.000	16.134	31.884	82680.000
82+700.000	16.216	35.330	82700.000
82+720.000	16.282	32.480	82720.000
82+740.000	16.333	28.664	82740.000
82+760.000	16.368	23.804	82760.000
82+780.000	16.387	19.363	82780.000
82+800.000	16.391	16.314	82800.000
82+820.000	16.379	14.008	82820.000
82+840.000	16.351	12.193	82840.000; 82848.574
82+860.000	16.307	10.898	82860.000
82+880.000	16.248	10.464	82880.000

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=3900.000m

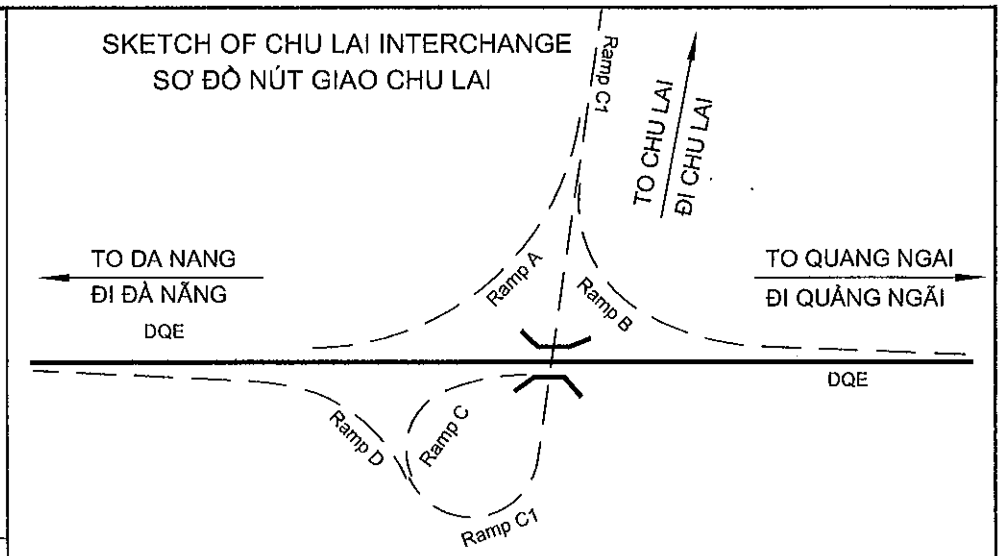
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

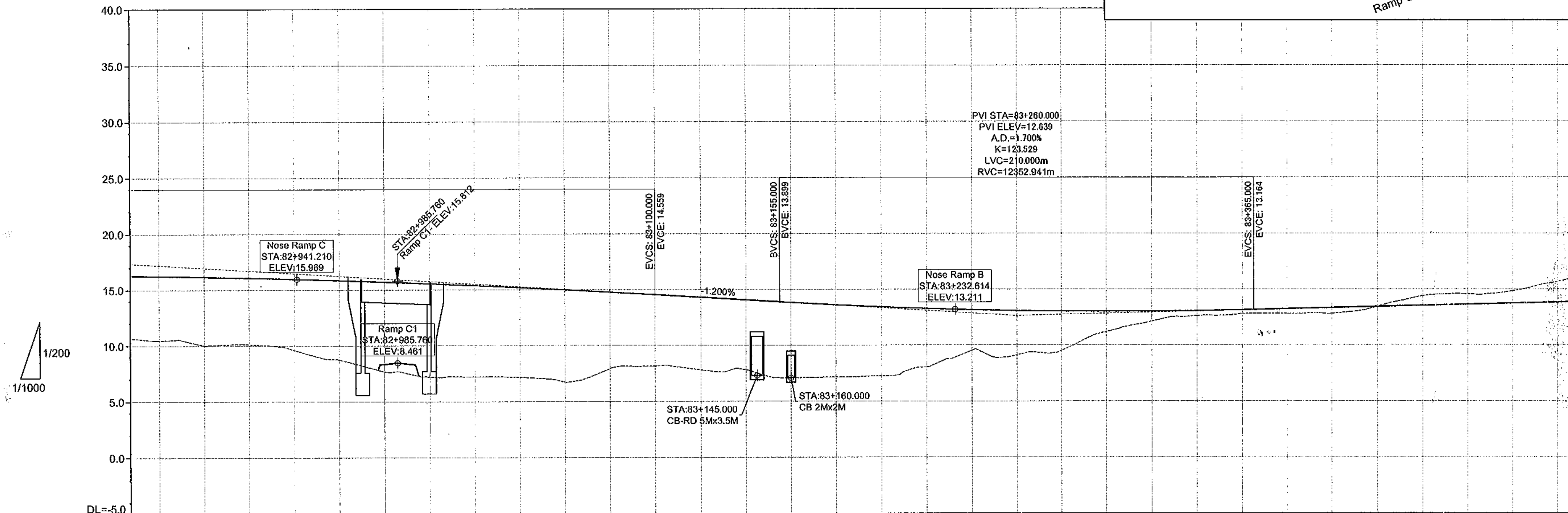
	PREPARED BY	CHECKED BY	APPROVED BY	CHU LAI INTERCHANGE-NÚT GIAO CHU LAI		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF MAIN ROAD-TRẮC DỌC TUYẾN CHÍNH (1/2)		
SIGNATURE	(signed)	(signed)	(signed)	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKGA2-IC-PP-070	3

PATH : - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\05 CHU LAI IC KM82+500-83+350\CHU LAI EXPORT ACAD FILE\LAST FILE\CAD-03.PROFILE - CHU LAI IC - 121227.02.DWG - SHEET: PROFILE - JAN 15, 2013

SKETCH OF CHU LAI INTERCHANGE
SƠ ĐỒ NÚT GIAO CHU LAI



PROFILE OF DQE
TRẮC DỌC DQE



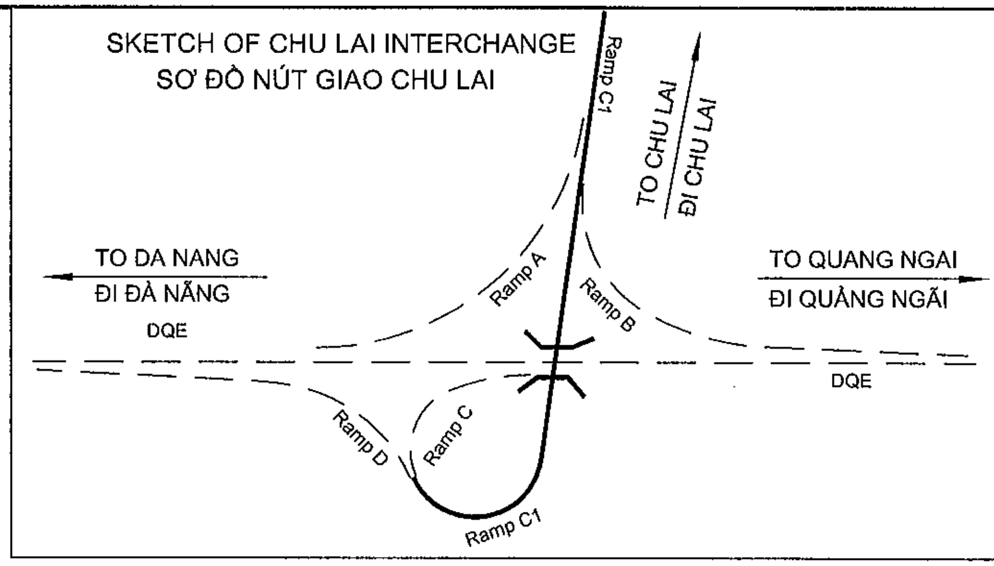
PROFILE / ĐỘ DỐC DỌC: i=-1.200%, L=440.000m; PVI 12.639; i=0.500%, L=1020.000m

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
82+880.000	16.248	10.464	82880.000
82+900.000	16.173	10.022	82900.000
82+920.000	16.082	10.128	82920.000
82+940.000	15.976	9.611	82940.000
			82953.504
82+960.000	15.854	8.744	82960.000
82+980.000	15.716	7.673	82980.000
83+000.000	15.562	7.206	83000.000
83+020.000	15.393	7.214	83020.000
83+040.000	15.208	7.157	83040.000
			83055.442
83+060.000	15.007	6.739	83060.000
83+080.000	14.791	7.927	83080.000
83+100.000	14.559	8.157	83100.000
83+120.000	14.319	7.814	83120.000
83+140.000	14.079	7.808	83140.000
			83156.171
83+160.000	13.840	7.084	83160.000
83+180.000	13.624	7.154	83180.000
83+200.000	13.441	7.256	83200.000
83+220.000	13.290	8.060	83220.000
83+240.000	13.171	9.534	83240.000
			83256.429
83+260.000	13.085	9.122	83260.000
83+280.000	13.031	9.510	83280.000
83+300.000	13.010	11.198	83300.000
83+320.000	13.021	12.130	83320.000
83+340.000	13.064	12.626	83340.000
			83358.[illegible]
83+360.000	13.140	12.804	83360.000
83+380.000	13.239	12.805	83380.000
83+400.000	13.339	12.813	83400.000
83+420.000	13.439	13.453	83420.000
83+440.000	13.539	14.411	83440.000
83+460.000	13.639	14.562	83460.000
			83462.425
83+480.000	13.739	14.843	83480.000
83+500.000	13.839	15.693	83500.000

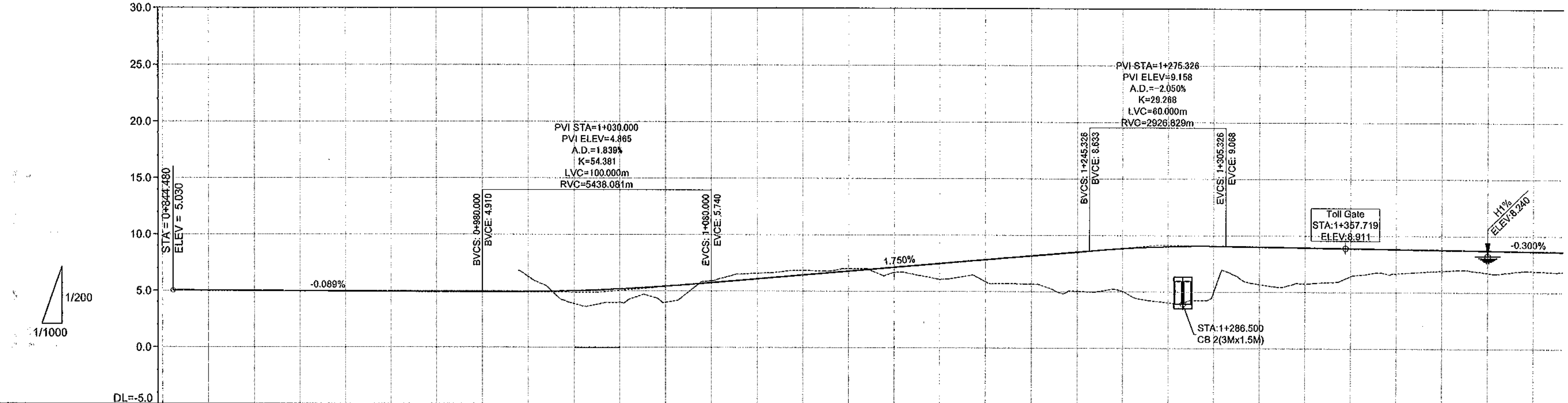
HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=3900.000m

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: Station:				
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	CHU LAI INTERCHANGE-NÚT GIAO CHU LAI
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF MAIN ROAD-TRẮC DỌC TUYẾN CHÍNH (2/2)
				SIGNATURE	[signature]	[signature]	[signature]	SCALE: AS SHOW; DRAWING NO.: PKGA2-IC-PP-080; REV. NO.: 3
				DATE				

PATH - D:_02.CAREER\DN-QN PROJECT\SIR. MAGA\05 CHU LAI IC KM82+500-83+350\CHU LAI EXPORT ACAD FILE\LAST FILE\ACAD-03.PROFILE - CHU LAI IC - 121227.02.DWG - SHEET: PROFILE - JAN 15, 2013



PROFILE OF Ramp C1.
TRẮC DỌC Ramp C1.



PROFILE / ĐỘ DỐC DỌC: (5.030) i=-0.089% L=185.520m (4.865) i=1.750% L=245.326m (9.158) i=-0.300% L=324.674m

STATION / LÝ TRÌNH	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN
0+840.000	840.000		
0+860.000	860.000	5.016	
0+880.000	880.000	4.998	
0+900.000	900.000	4.981	
0+920.000	920.000	4.963	
0+940.000	940.000	4.945	
0+960.000	960.000	4.927	
0+980.000	980.000	4.910	
	995.793		
1+000.000	1000.000	4.929	6.271
1+020.000	1020.000	5.021	3.867
1+040.000	1040.000	5.187	3.982
1+060.000	1060.000	5.427	4.001
1+080.000	1080.000	5.740	5.916
1+100.000	1100.000	6.090	6.584
	1106.683		
1+120.000	1120.000	6.440	6.849
1+140.000	1140.000	6.790	7.000
1+160.000	1160.000	7.140	6.672
1+180.000	1180.000	7.490	6.074
1+200.000	1200.000	7.840	5.871
	1209.686		
1+220.000	1220.000	8.190	5.674
1+240.000	1240.000	8.540	5.057
1+260.000	1260.000	8.853	5.068
1+280.000	1280.000	9.035	4.047
1+300.000	1300.000	9.079	4.991
	1310.011		
1+320.000	1320.000	9.024	5.693
1+340.000	1340.000	8.964	5.757
1+360.000	1360.000	8.904	6.435
1+380.000	1380.000	8.844	6.688
1+400.000	1400.000	8.784	6.923
	1411.598		
1+420.000	1420.000	8.724	6.738
1+440.000	1440.000	8.664	6.908

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=1758.639m

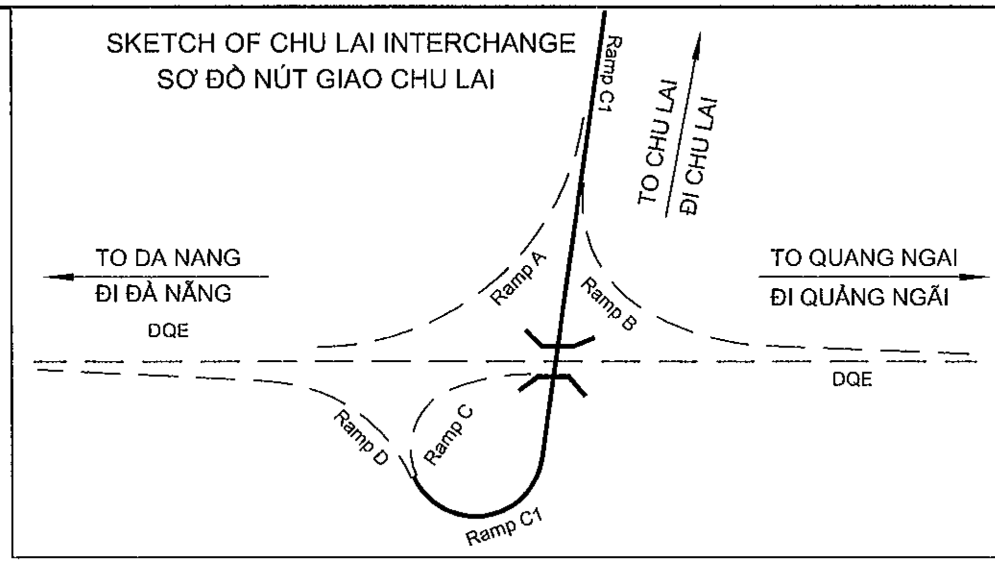
SUPER ELEVATION / SIÊU CAO: -2.000% -2.000% / -2.000% -2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

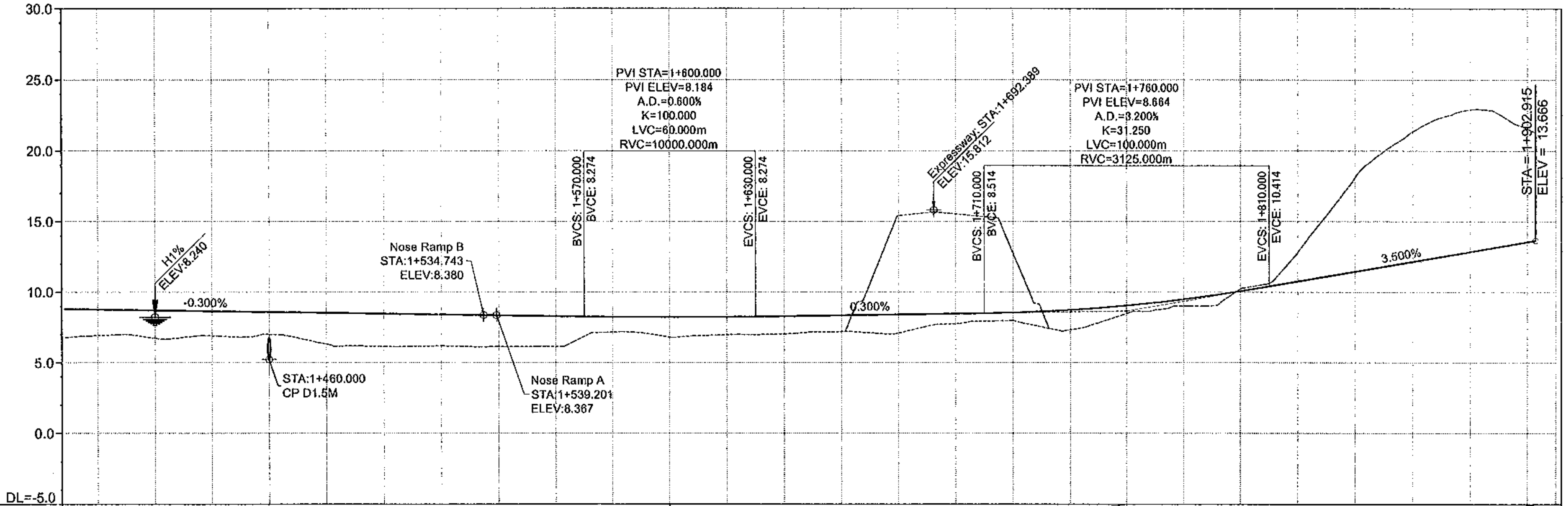
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	CHU LAI INTERCHANGE-NÚT GIAO CHU LAI		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1 (1/2)		
SIGNATURE	(signed)	(signed)	(signed)	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKGA2-IC-PP-090	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\05 CHU LAI IC KM62+500-83+350\CHU LAI EXPORT ACAD FILE\LAST FILE\ACAD-03.PROFILE - CHU LAI IC - 121227.02.DWG - SHEET: PROFILE - JAN 15, 2013



PROFILE OF Ramp C1.
TRẮC DỌC Ramp C1.



PROFILE / ĐỘ DỐC DỌC: i=-0.300% L=324.674m; (8.184); i=0.300% L=160.000m; (8.664); i=3.500% L=142.915m; (13.666)

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
1+400.000	8.784	6.923	1400.000
			1411.598
1+420.000	8.724	6.738	1420.000
1+440.000	8.664	6.908	1440.000
1+460.000	8.604	7.008	1460.000
1+480.000	8.544	6.322	1480.000
1+500.000	8.484	6.153	1500.000
1+520.000	8.424	6.184	1520.000 / [illegible]
1+540.000	8.364	6.133	1540.000
1+560.000	8.304	6.157	1560.000
1+580.000	8.249	7.164	1580.000
1+600.000	8.229	6.813	1600.000
1+620.000	8.249	6.967	1620.000 / 1623.544
1+640.000	8.304	7.039	1640.000
1+660.000	8.364	7.199	1660.000
1+680.000	8.424	7.109	1680.000
1+700.000	8.484	7.760	1700.000
1+720.000	8.560	7.995	1720.000
1+740.000	8.748	7.342	1737.308 / 1740.000
1+760.000	9.064	8.495	1760.000
1+780.000	9.508	9.016	1780.000
1+800.000	10.080	10.244	1800.000
1+820.000	10.764	12.824	1820.000
1+840.000	11.464	18.144	1838.383 / 1840.000
1+860.000	12.164	21.364	1860.000 / [illegible]
1+880.000	12.864	22.912	1880.000
1+900.000	13.564	21.565	1900.000
1+910.000			1910.000

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=1758.639m; A=60.000 L=57.371m; L=86.906m R=62.750m

SUPER ELEVATION / SIÊU CAO: -2.000% / -2.000% (to 1+758.639); -2.000% / -2.000% at 1+758.639; 6.000% / 6.000% at 1+816.009; 6.000% / -6.000% at 1+902.915

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

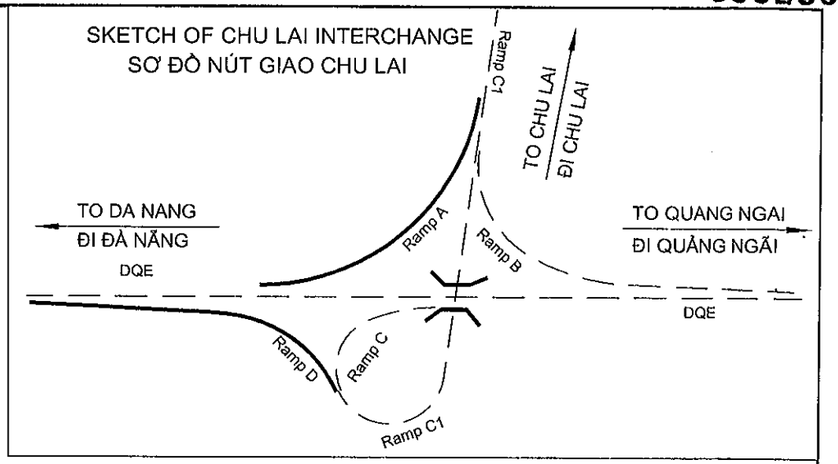
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

CHU LAI INTERCHANGE-NÚT GIAO CHU LAI
PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1 (2/2)

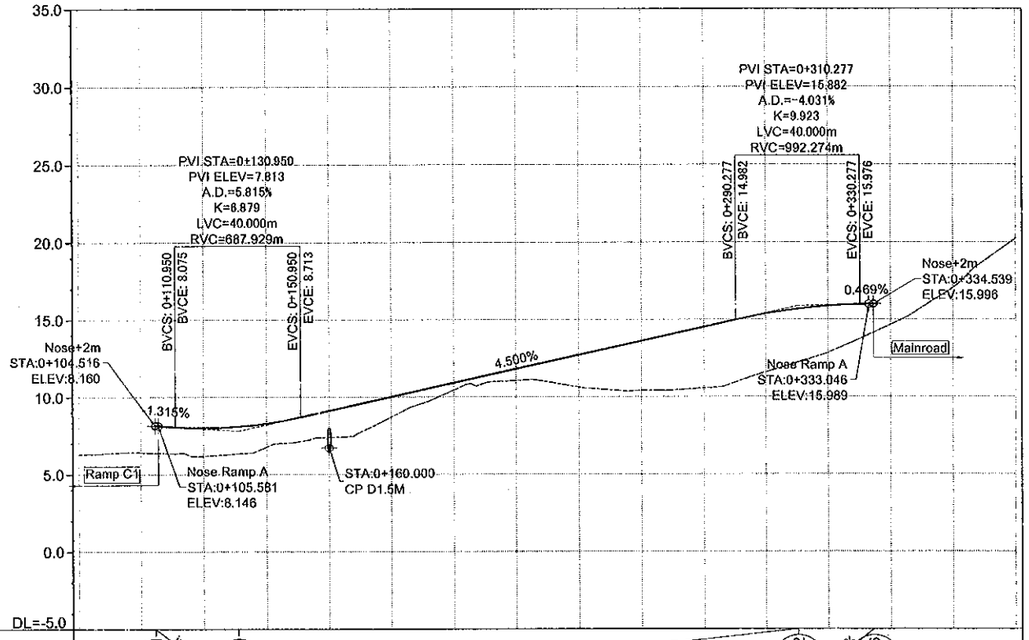
SCALE	DRAWING NO.	REV. NO.
AS SHOW	PKGA2-IC-PP-100	3

PATH - D:_02.CAREER\DN-ON PROJECT\SIR.MAGA\05 CHU LAI IC KM82+500-83+350\CHU LAI EXPORT ACAD FILE\LAST FILE\ACAD-03.PROFILE - CHU LAI IC - 121227.02.DWG - SHEET: PROFILE - JAN 15, 2013

SKETCH OF CHU LAI INTERCHANGE
SƠ ĐỒ NÚT GIAO CHU LAI

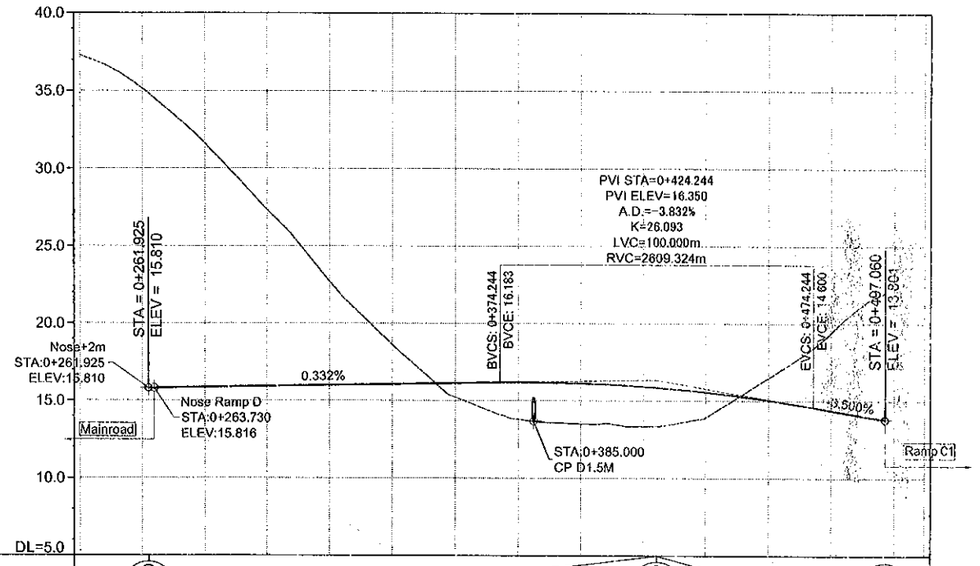


PROFILE OF Ramp A
TRẮC DỌC Ramp A



PROFILE ĐỘ DỐC DỌC															
	(8.160)	i=-1.315% L=26.434m	(7.813)	i=4.500% L=179.327m								(15.882)	i=0.469% L=24.242m	(15.996)	
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ			8.016	8.307	9.120	10.020	10.920	11.820	12.720	13.620	14.520	15.372	15.875		
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	6.285	6.418	6.189	6.775	7.396	8.718	10.458	11.066	10.641	10.406	10.566	11.593	12.853	14.666	17.058	20.266
STATION LÝ TRÌNH	0+080.000	0+100.000	0+120.000	0+140.000	0+160.000	0+180.000	0+200.000	0+220.000	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN		100.000	120.000	140.000	160.000	180.000 188.895	200.000 208.605	220.000	240.000	260.000	280.000 291.998	300.000	320.000	340.000	360.000	
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG				L=242.084m R=220.000m										A=150.000 L=102.273m		
SUPER ELEVATION SIÊU CAO	2.000% 0+102.273 -2.000%											2.000% 0+314.937 -2.000%				

PROFILE OF Ramp D
TRẮC DỌC Ramp D



PROFILE ĐỘ DỐC DỌC	(15.810)	i=0.332% L=162.319m							(16.350)	i=-3.500% L=72.816m	(13.801)
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ		15.870	15.937	16.003	16.070	16.136	16.196	16.142	15.934	15.573	15.059	14.398	
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	37.302	35.154	31.610	27.326	22.730	18.631	15.229	13.812	13.516	13.338	13.928	16.493	19.450
STATION LÝ TRÌNH	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000	0+400.000	0+420.000	0+440.000	0+460.000	0+480.000	0+500.000	0+510.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN		260.000	280.000	300.000	320.000	340.000 349.060	360.000	380.000	400.000	420.000	440.000 441.859	460.000	480.000	500.000	510.000
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG		A=80.000 L=53.333m		L=64.716m R=120.000m			A=70.000 L=40.833m		A=70.000 L=74.809m						
SUPER ELEVATION SIÊU CAO	2.000% -2.000%		2.000% -2.000%	0+316.702	2.000% -2.000%	0+381.418		-6.000% 6.000%	0+497.060						

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

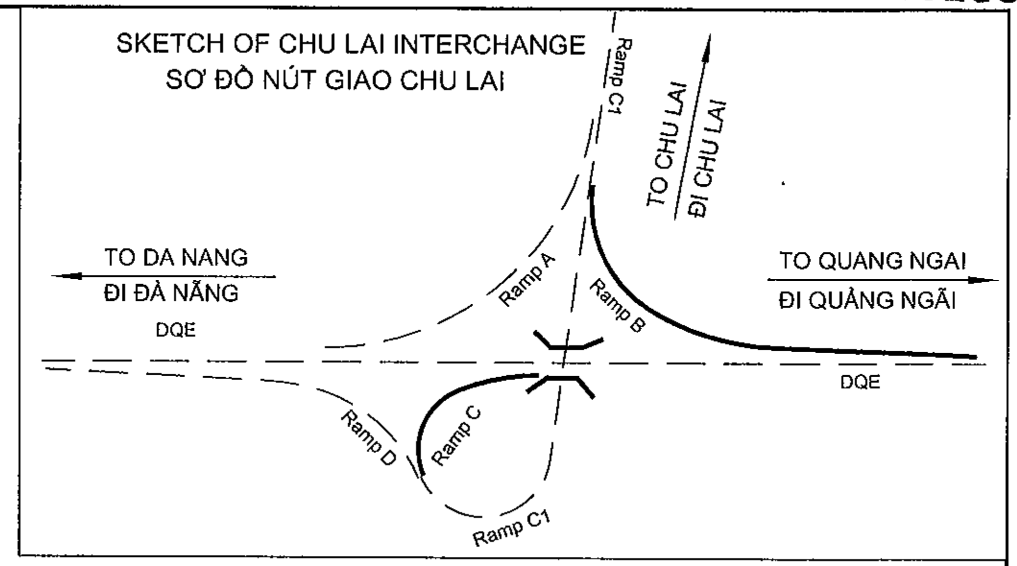
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO
SIGNATURE			
DATE			

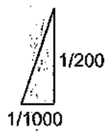
CHU LAI INTERCHANGE-NÚT GIAO CHU LAI
PROFILE OF RAMP A&D-TRẮC DỌC NHÁNH A&D

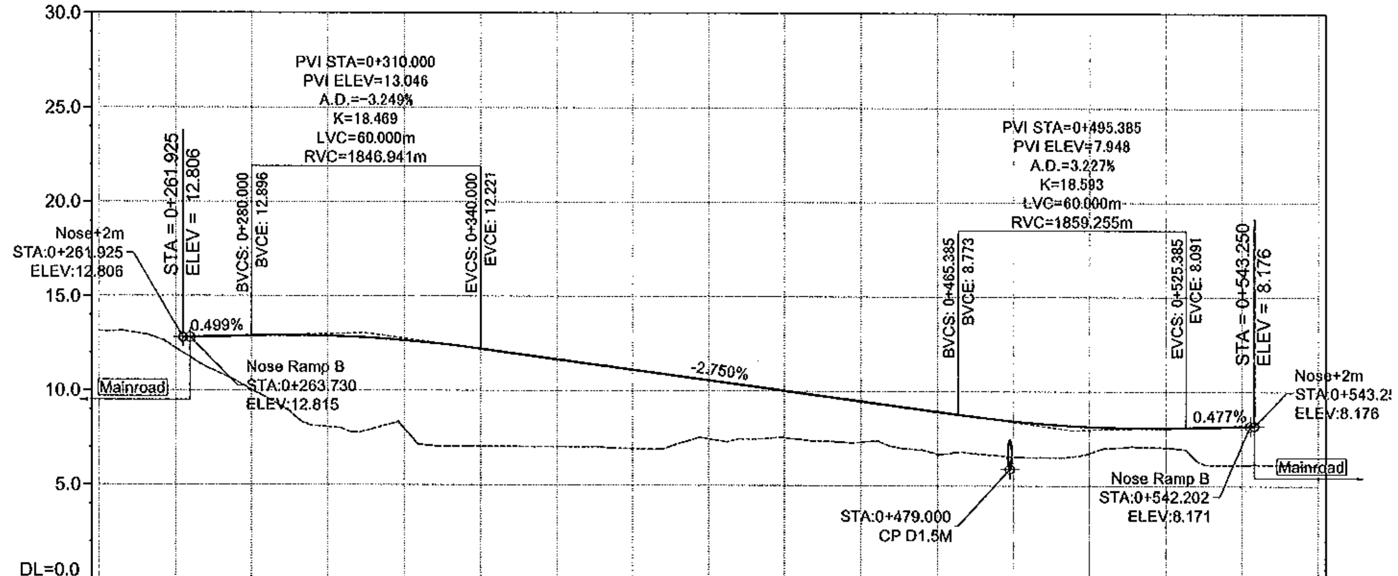
SCALE	DRAWING NO.	REV. NO.
AS SHOW	PKGA2-IC-PP-110	3

PATH - D:_02.CAREER\ON-QN PROJECT\SIR.MAGARIO\05 CHU LAI IC KM82+500-83+350\CHU LAI EXPORT ACAD FILE\LAST FILE\ACAD-03.PROFILE - CHU LAI IC - 121227.02.DWG - SHEET: PROFILE - JAN 15, 2013



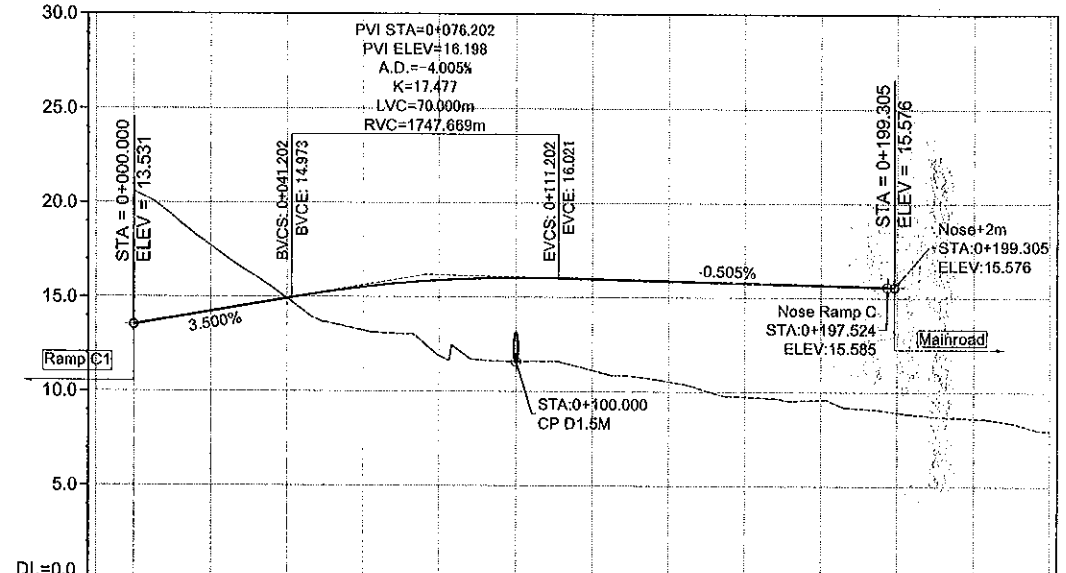
PROFILE OF Ramp B
TRẮC DỌC Ramp B





PROFILE ĐỘ DỐC DỌC		12.806	i=0.499% L=48.075m	13.046	i=-2.750% L=185.385m								7.948	i=0.477% L=47.885m	8.176		
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ			12.896	12.888	12.662	12.221	11.671	11.121	10.571	10.021	9.471	8.921	8.428	8.143	8.073	8.160	
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	13.137	12.239	10.033	8.071	7.989	7.045	7.033	6.938	7.468	7.539	7.306	6.679	6.539	6.733	7.036	6.123	6.069
STATION LÝ TRÌNH	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000	0+400.000	0+420.000	0+440.000	0+460.000	0+480.000	0+500.000	0+520.000	0+540.000	0+560.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN		260.000	280.000	300.000	320.000	340.000 [illegible]	360.000	380.000	400.000	420.000	440.000 [illegible]	460.000	480.000 483.918	500.000	520.000	540.000 [illegible]	
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG	A=150.000 L=150.000m									L=140.682m R=150.000m							
SUPER ELEVATION SIÊU CAO	2.000% / -2.000%								2.000% / -2.000%							2.000% / -2.000%	

PROFILE OF Ramp C.
TRẮC DỌC Ramp C.



PROFILE ĐỘ DỐC DỌC		13.531	i=3.500% L=76.202m			16.198	i=-0.505% L=123.103m					15.576		
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ		13.531	14.231	14.931	15.530	15.900	16.042	15.977	15.876	15.775	15.674			
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN		20.622	17.723	14.915	13.222	11.897	11.586	11.130	10.542	9.739	9.586	8.536	8.621	7.939
STATION LÝ TRÌNH	-0+010.000	0+000.000	0+020.000	0+040.000	0+060.000	0+080.000	0+100.000	0+120.000	0+140.000	0+160.000	0+180.000	0+200.000	0+220.000	0+240.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	-10.000		20.000	40.000	60.000 64.349	80.000 91.615	100.000	120.000	140.000	160.000	180.000 192.343	200.000	220.000	
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG		L=128.697m R=60.000m						A=60.921 L=60.000m						
SUPER ELEVATION SIÊU CAO	6.000% 0+000.000 -6.000%							6.000% 0+128.697 -6.000%				2.000% -2.000%		

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	CHU LAI INTERCHANGE-NÚT GIAO CHU LAI PROFILE OF RAMP B&C-TRẮC DỌC NHÁNH B&C		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	SCALE	DRAWING NO.	REV. NO.
SIGNATURE	[signature]	[signature]	[signature]	AS SHOW	PKGA2-IC-PP-120	3
DATE						

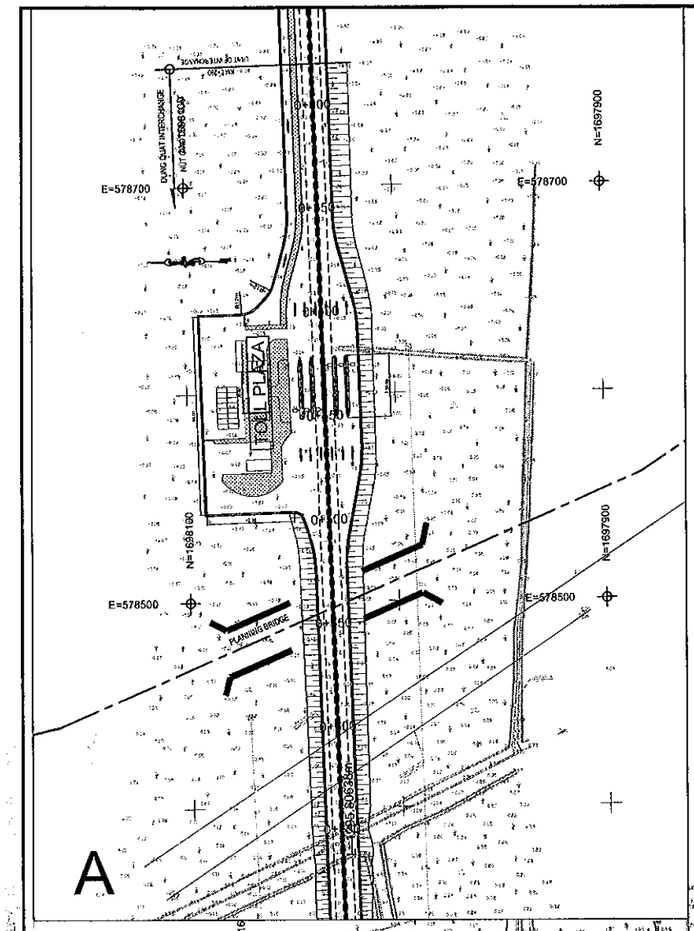
PATH - D1_02.CAREER\DN-QN PROJECT\SIR.MAGA\05 CHU LAI IC KM82+500-83+350\CHU LAI EXPORT ACAD FILE\LAST FILE\ACAD-03.PROFILE - CHU LAI IC - 121227.02.DWG - SHEET: PROFILE - JAN 15, 2013

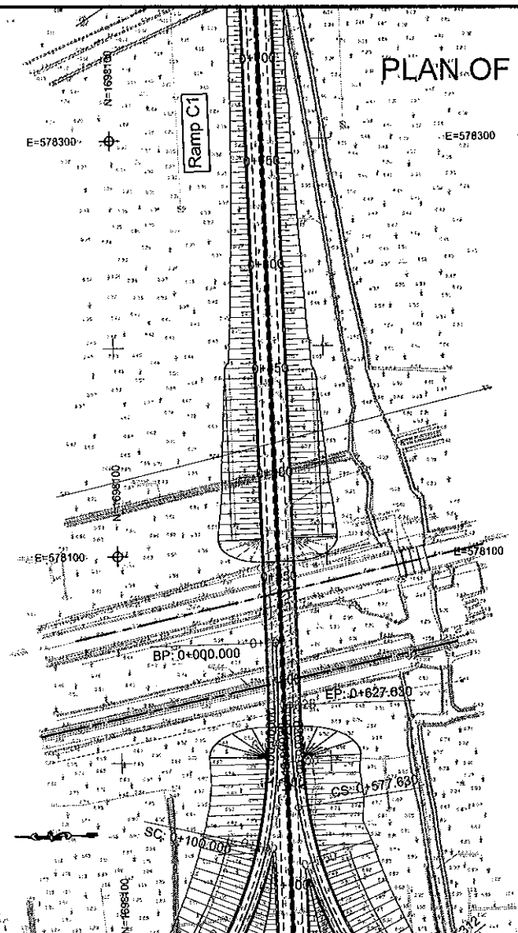
E6. DUNG QUẤT INTERCHANGE
E6. NÚT GIAO DUNG QUẤT

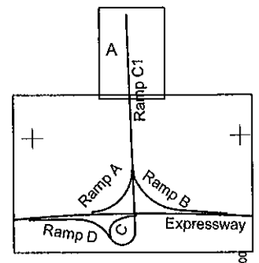
000261

PLAN OF DUNG QUAT INTERCHANGE

SCALE: 1/3000



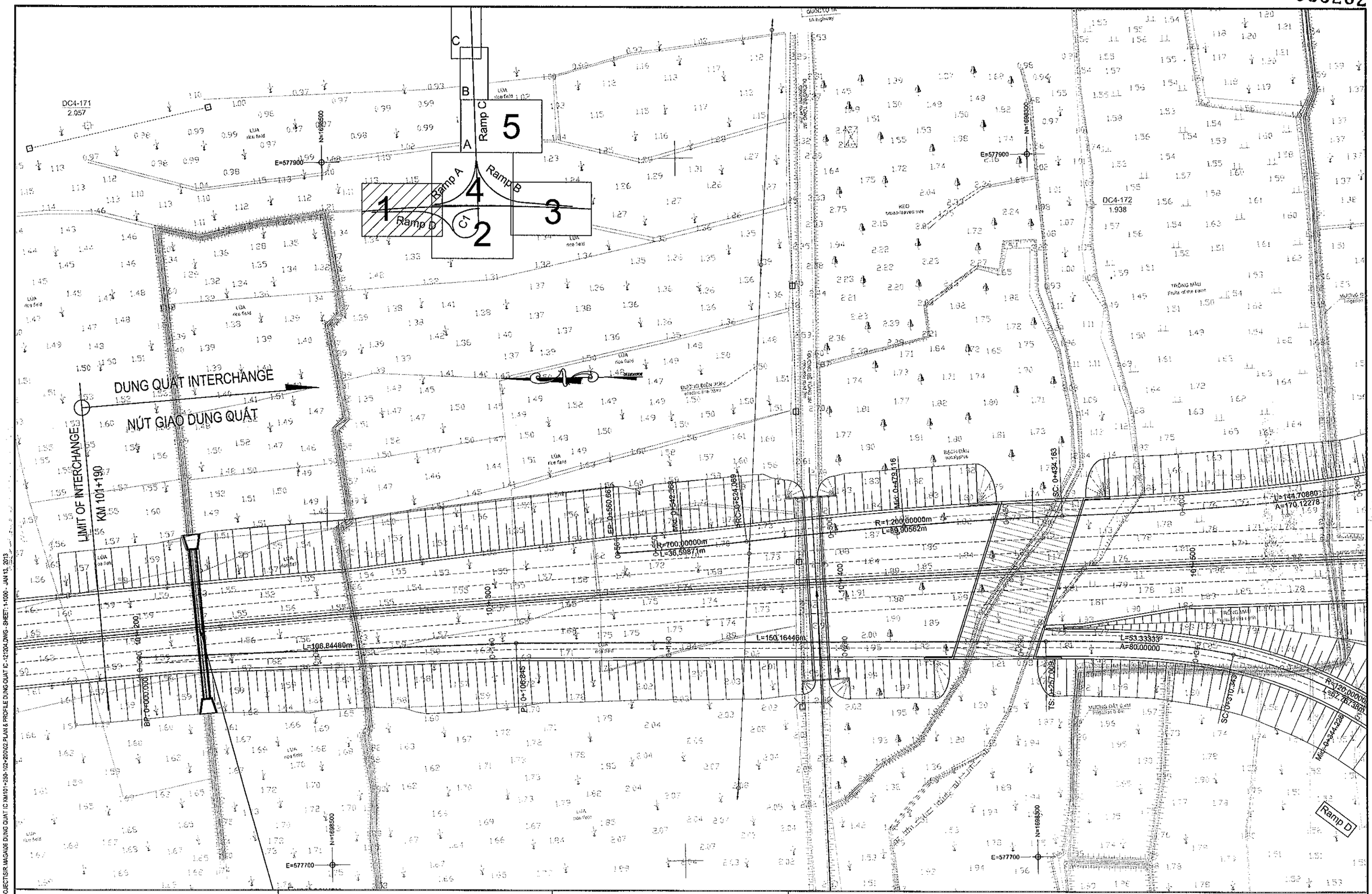




MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT					
				Package:		Station:			
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	DUNG QUAT INTERCHANGE	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PLAN OF DUNG QUAT INTERCHANGE	
				SIGNATURE				SCALE: 1/3000	DRAWING NO.: PKGA3-IC-PP- 010 / REV. NO.: 3
				DATE					

PATH - D:_02_CAREER\DN-QN PROJECT\SIR.MAGA\06 DUNG QUAT IC KM101+250-102+200\02.PLAN & PROFILE DUNG QUAT IC -121204.DWG - SHEET: 1-1000 - JAN 15, 2013

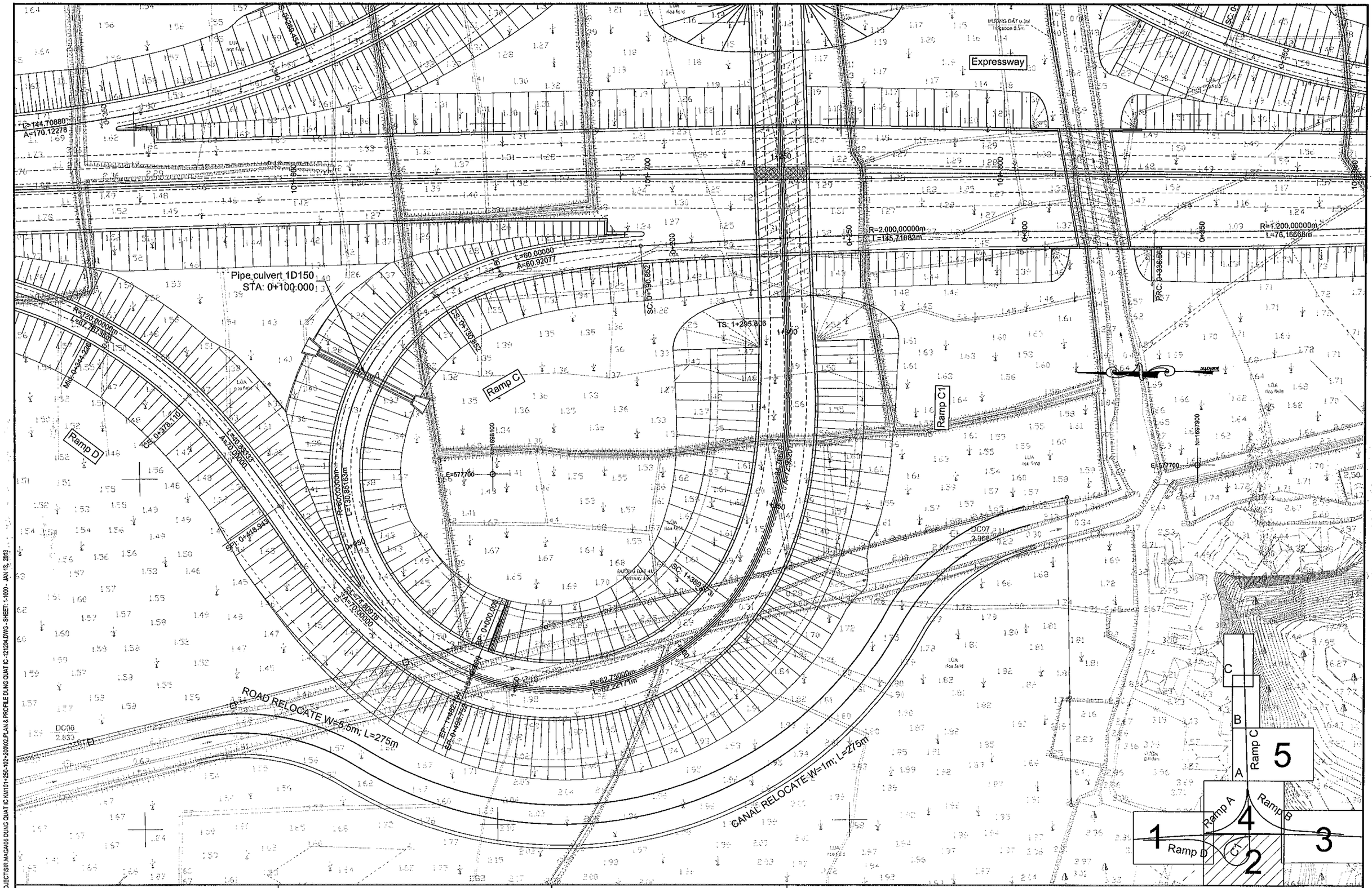
000262



MINISTRY OF TRANSPORT VIETNAM	ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: Station:
CLIENT: VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT CONSULTANT: PROJECT MANAGEMENT UNIT NO.85	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	

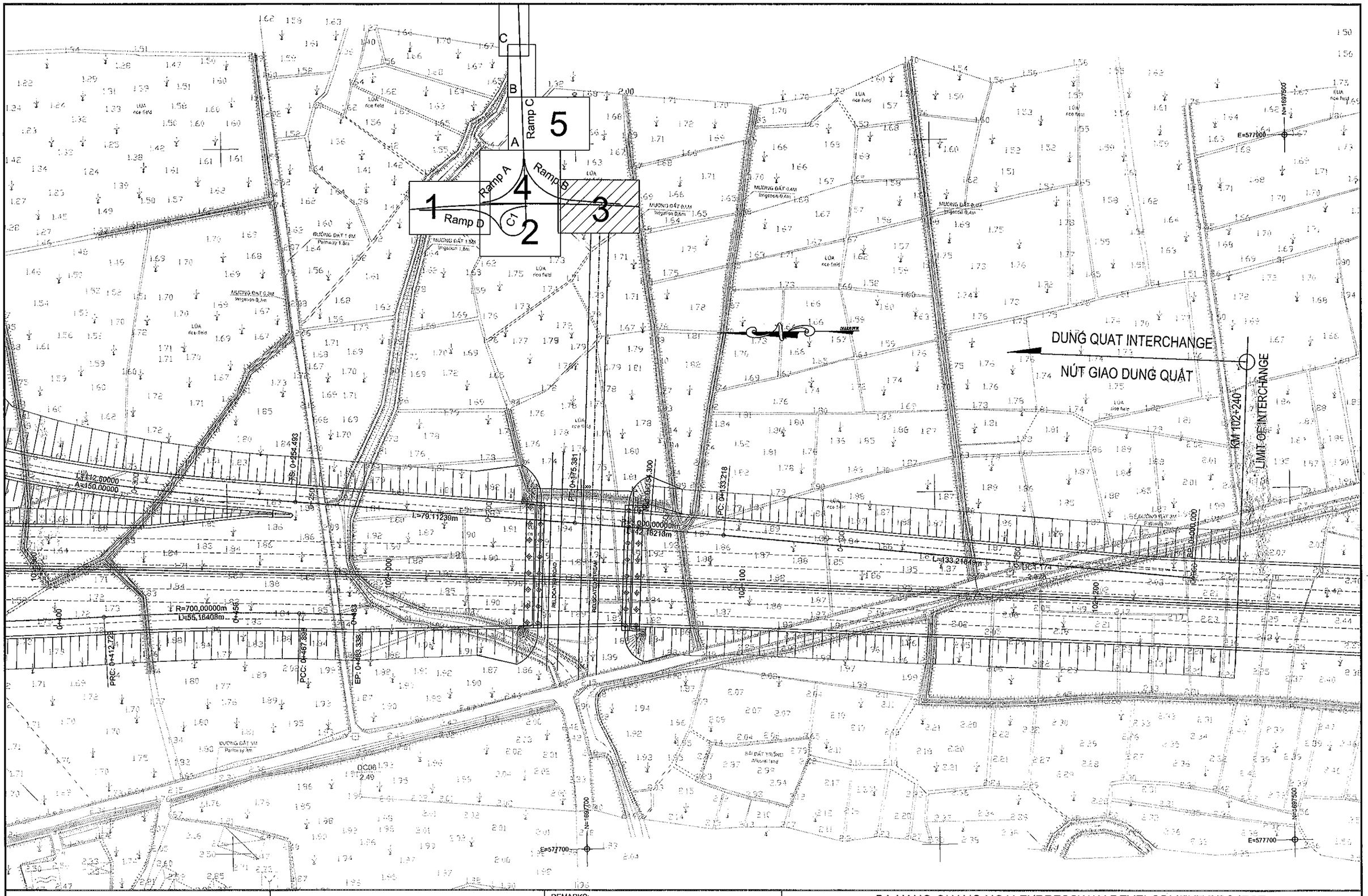
	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF DUNG QUAT INTERCHANGE (1/5) MẶT BẰNG NÚT GIAO DUNG QUẤT (1/5)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/1000	PKGA3-IC-PP-010	3

PATH: D:_02.CAREER\ON-GN PROJECTS\IR.MAGN\08 DUNG QUAT IC KM101+250-102+200\02.PLAN & PROFILE DUNG QUAT IC - 121204.DWG - SHEET: 1-1000 - JAN 13, 2013



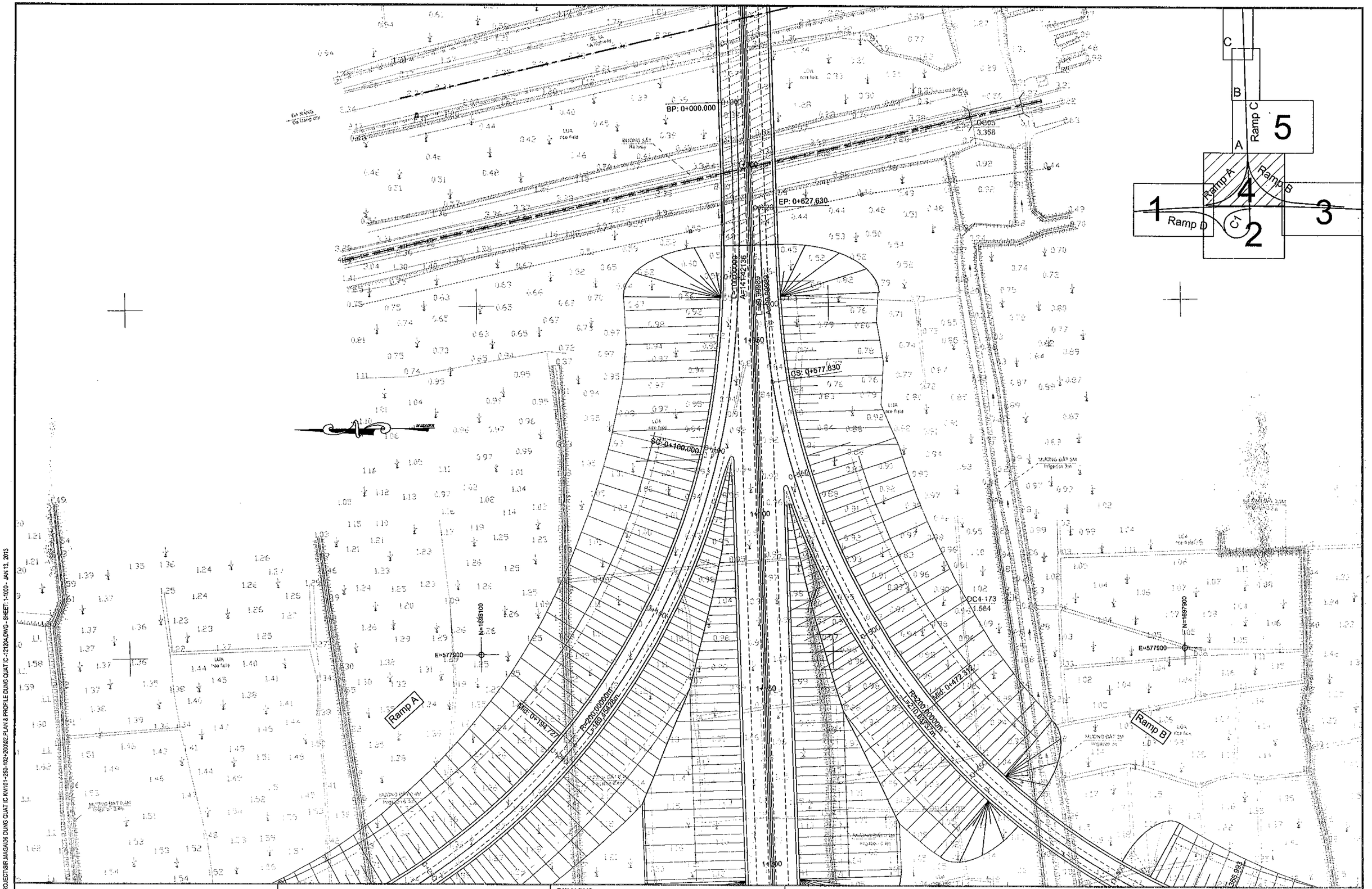
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT					
				Package:		Station:			
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF DUNG QUAT INTERCHANGE (2/5) MẶT BẰNG NÚT GIAO DUNG QUẤT (2/5)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO		
				SIGNATURE				SCALE	DRAWING NO. / REV. NO.
				DATE				1/1000	PKGA3-IC-PP-020 / 3

PATH - D:_02.CAREER\DNQN PROJECT\SIR.MAGA\06 DUNG QUAT IC KM101+250-102+200\02.PLAN & PROFILE DUNG QUAT IC-121204.DWG - SHEET: 1-1000 - JAN 13, 2013



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: Station:					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF DUNG QUAT INTERCHANGE (3/5) MẶT BẰNG NÚT GIAO DUNG QUẤT (3/5)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	LISHIMOTO	SCALE 1/1000	DRAWING NO. PKGA3-IC-PP-040 / REV. NO. 3
				SIGNATURE					
				DATE					

PATH - D:_02.CAREER\ON-GOING PROJECTS\R.MAGA\06 DUNG QUAT TC KM101+250-102+200\02_PLAN & PROFILE DUNG QUAT TC-121204.DWG - SHEET: 1-1000 - JAN 13, 2013



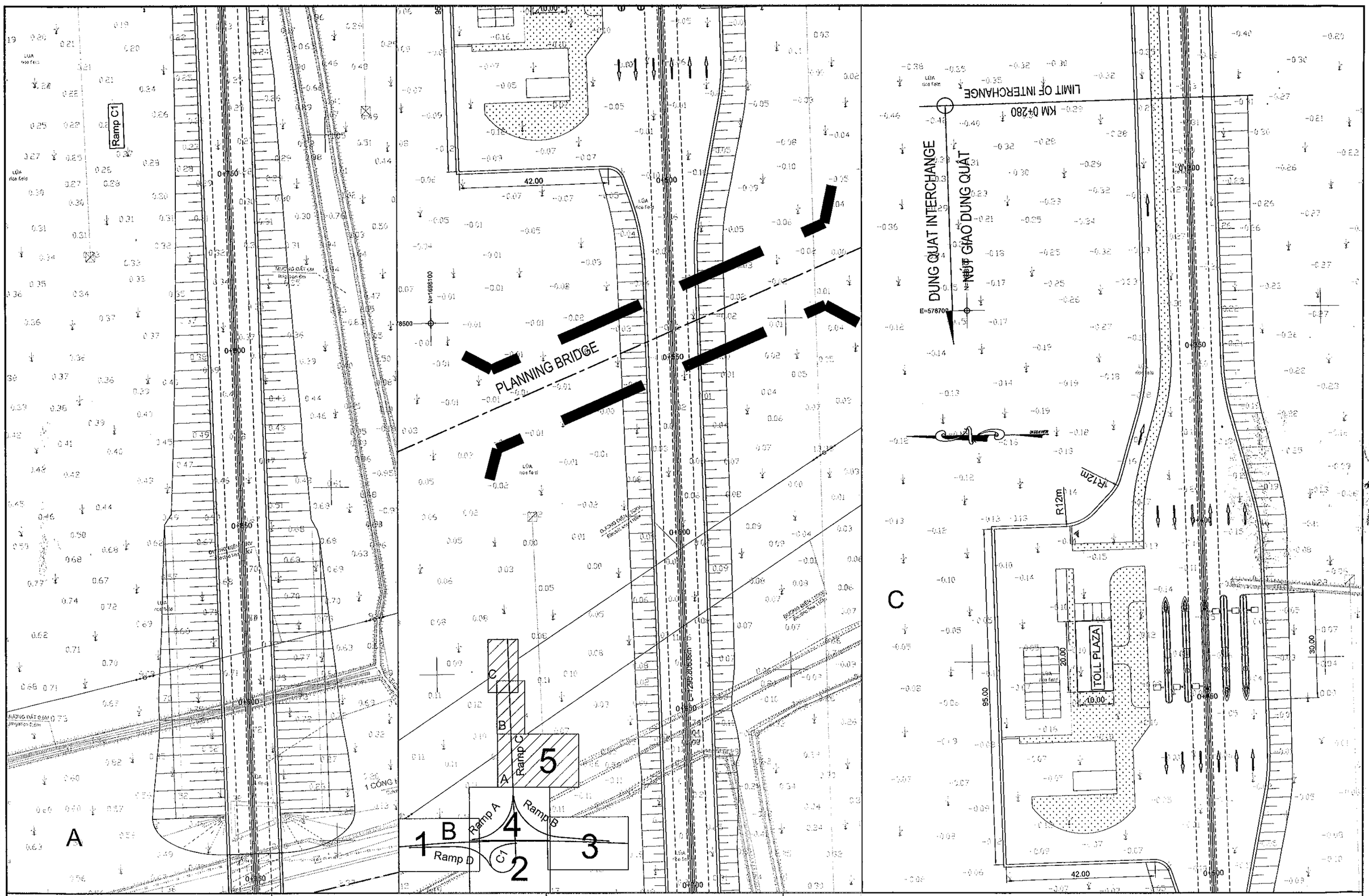
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF DUNG QUAT INTERCHANGE (4/5) MẶT BẰNG NÚT GIAO DUNG QUẤT (4/5)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/1000	PKGA3-IC-PP-050	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGARIO DUNG QUAT IC KM101+250-102+200\02.PLAN & PROFILE DUNG QUAT IC -121204.DWG - SHEET: 1-1000 - JAN 13, 2013



PATH - D:_02.CAREER\ON-GOING PROJECT\SIR.HAGA\06 DUNG QUAT IC\KM101+250-102+200\02.PLAN & PROFILE DUNG QUAT IC-121204.DWG - SHEET: 1-1000 - JAN 13, 2013

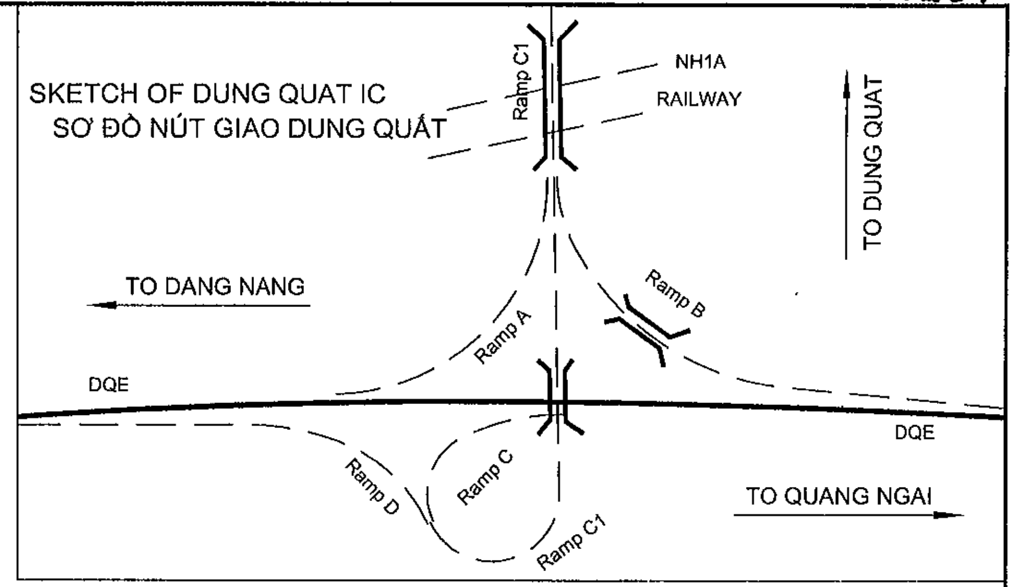
MINISTRY OF TRANSPORT VIETNAM	ENGINEERING DESIGN CONSULTANT
CLIENT: VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT CONSULTANT: PROJECT MANAGEMENT UNIT NO.85
	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.

REMARKS:

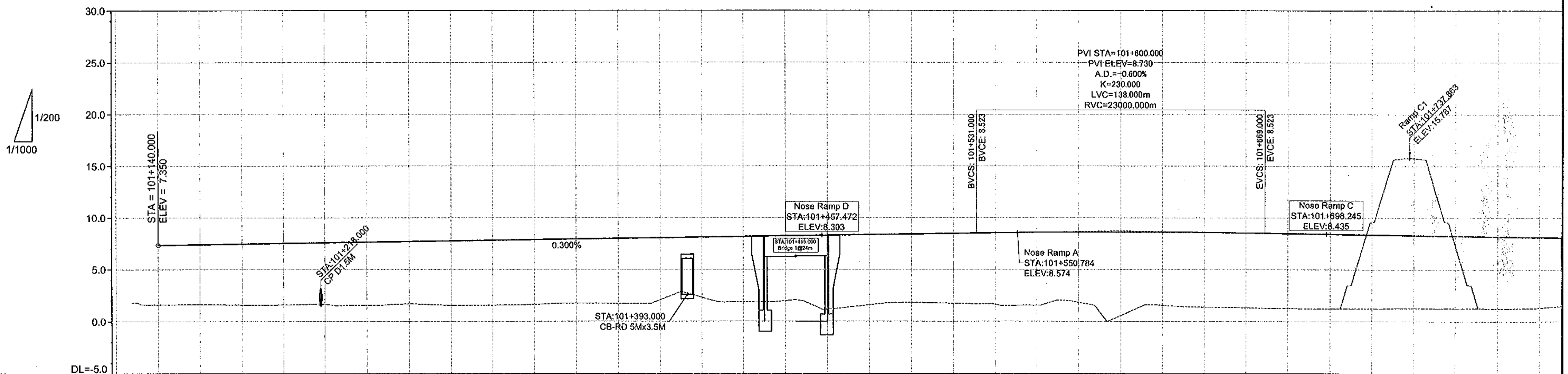
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF DUNG QUAT INTERCHANGE (5/5)	
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	MẶT BẰNG NÚT GIAO DUNG QUẤT (5/5)	
SIGNATURE				SCALE	DRAWING NO. / REV. NO.
DATE				1/1000	PKGA3-IC-PP-060 / 3



PROFILE OF EXPRESSWAY
TRẮC DỌC EXPRESSWAY



PROFILE / ĐỘ DỐC DỌC: 7.350 (at 101+140.000); I=0.300%, L=460.000m; 8.730 (at 101+600.000)

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
101+120.000			101120.000
101+140.000	7.350	1.607	101140.000
101+160.000	7.410	1.632	101160.000
101+180.000	7.470	1.586	101180.000
101+200.000	7.530	1.590	101200.000
101+220.000	7.590	1.652	101220.000 / 101221.899
101+240.000	7.650	1.566	101240.000
101+260.000	7.710	1.694	101260.000
101+280.000	7.770	1.540	101280.000
101+300.000	7.830	1.567	101300.000
101+320.000	7.890	1.634	101320.000
			101331.572
101+340.000	7.950	1.742	101340.000
101+360.000	8.010	1.718	101360.000
101+380.000	8.070	2.085	101380.000
101+400.000	8.130	2.312	101400.000
101+420.000	8.190	1.863	101420.000
			101434.010
101+440.000	8.250	1.987	101440.000
101+460.000	8.310	1.173	101460.000
101+480.000	8.370	1.597	101480.000
101+500.000	8.430	1.812	101500.000
101+520.000	8.490	1.750	101520.000
101+540.000	8.548	1.646	101538.633 / 101540.000
101+560.000	8.592	1.549	101560.000
101+580.000	8.618	1.840	101580.000
101+600.000	8.627	0.569	101600.000
101+620.000	8.618	1.558	101620.000
101+640.000	8.592	1.375	101639.300 / 101640.000
101+660.000	8.548	1.324	101660.000
101+680.000	8.490	1.257	101680.000
101+700.000	8.430	1.234	101700.000
101+720.000	8.370	1.248	101720.000
101+740.000	8.310	1.278	101740.000 / 101743.862
101+760.000	8.250	1.265	101760.000
101+780.000	8.190	1.218	101780.000
101+800.000	8.130	1.323	101800.000

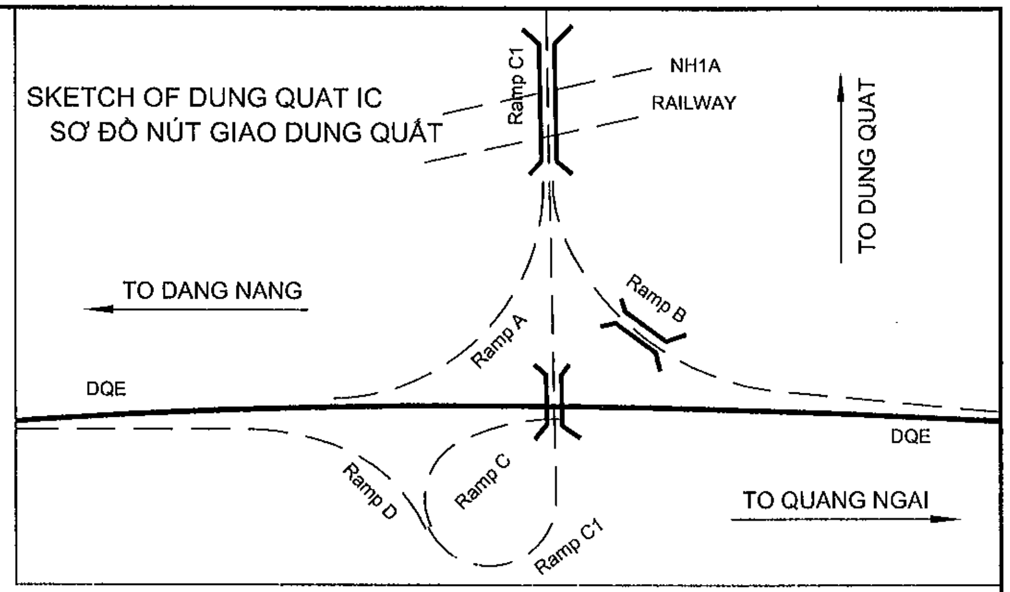
HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=2616.504m

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

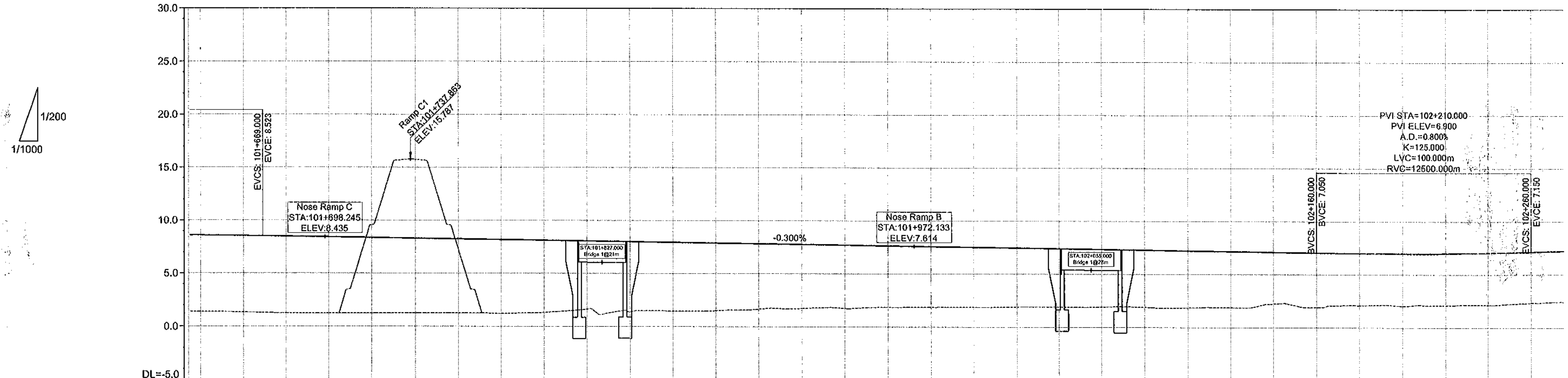
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	DUNG QUAT INTERCHANGE-NÚT GIAO DUNG QUẤT		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF MAIN ROAD-TRẮC DỌC TUYẾN CHÍNH (1/2)		
SIGNATURE	(signed)	(signed)	(signed)	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKGA3-IC-PP-090	3

PATH - D_02.CAREER\DN-QN PROJECTS\R.MAGA\06 DUNG QUAT IC KM101+250-102+200\ACAD FILE\LAST FILE\CAD-03.PROFILE -DAYLIGHT BD.DWG - SHEET: PROFILE - JAN 15, 2013



PROFILE OF EXPRESSWAY
TRẮC DỌC EXPRESSWAY



PROFILE / ĐỘ DỐC DỌC: i=-0.300%, L=610.000m; 6.900

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
101+640.000	8.592	1.375	101640.000
101+660.000	8.548	1.324	101660.000
101+680.000	8.490	1.257	101680.000
101+700.000	8.430	1.234	101700.000
101+720.000	8.370	1.248	101720.000
101+740.000	8.310	1.278	101740.000
			101743.862
101+760.000	8.250	1.265	101760.000
101+780.000	8.190	1.218	101780.000
101+800.000	8.130	1.323	101800.000
101+820.000	8.070	1.644	101820.000
101+840.000	8.010	1.395	101840.000
			101847.146
101+860.000	7.950	1.455	101860.000
101+880.000	7.890	1.511	101880.000
101+900.000	7.830	1.667	101900.000
101+920.000	7.770	1.740	101920.000
101+940.000	7.710	1.739	101940.000
			101950.356
101+960.000	7.650	1.857	101960.000
101+980.000	7.590	1.860	101980.000
102+000.000	7.530	1.873	102000.000
102+020.000	7.470	1.906	102020.000
102+040.000	7.410	1.915	102040.000
			102052.820
102+060.000	7.350	1.916	102060.000
102+080.000	7.290	1.899	102080.000
102+100.000	7.230	1.857	102100.000
102+120.000	7.170	1.875	102120.000
102+140.000	7.110	2.237	102140.000
			102154.368
102+160.000	7.050	1.917	102160.000
102+180.000	7.006	2.092	102180.000
102+200.000	6.994	2.043	102200.000
102+220.000	7.014	2.110	102220.000
102+240.000	7.066	2.142	102240.000
102+260.000	7.150	2.340	102260.000
			102262.254

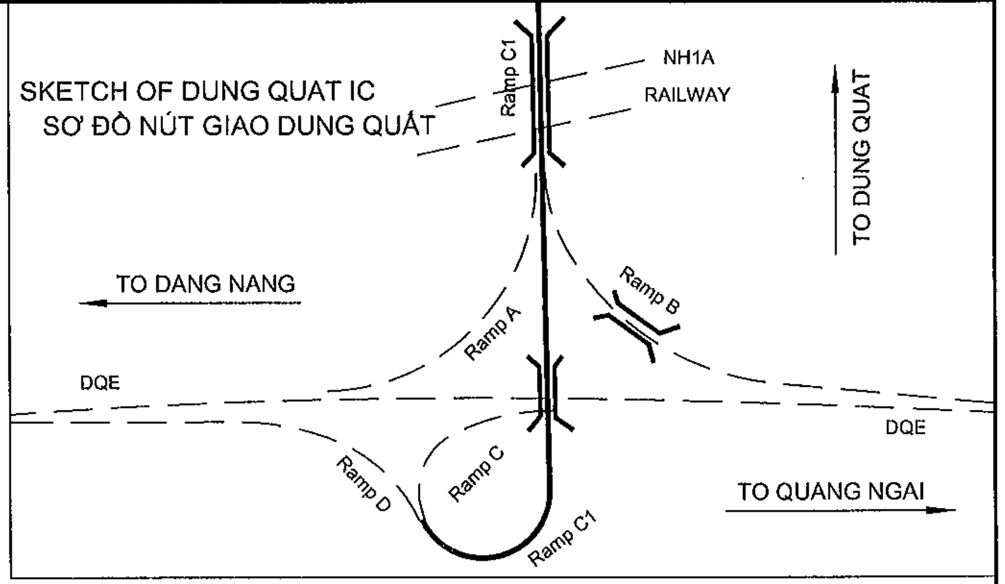
HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

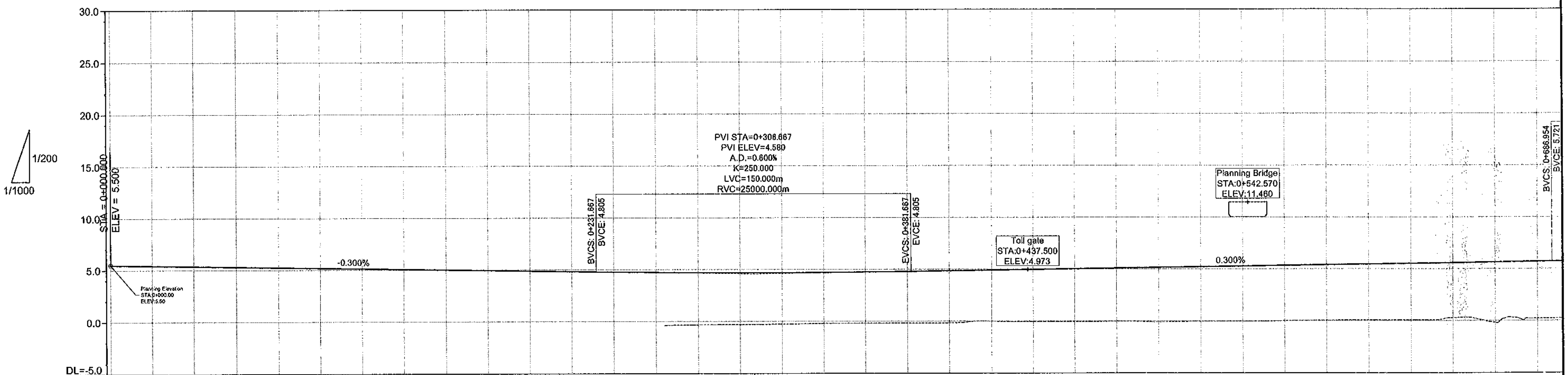
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	DUNG QUAT INTERCHANGE-NÚT GIAO DUNG QUẤT		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF MAIN ROAD-TRẮC DỌC TUYẾN CHÍNH (2/2)		
SIGNATURE	[signature]	[signature]	[signature]	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKGA3-IC-PP-080	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\06 DUNG QUAT IC KM101+250-102+200\ACAD FILE\LAST FILE\ACAD-03.PROFILE-DAYLIGHT BD.DWG - SHEET: PROFILE - JAN 15, 2013



PROFILE OF Ramp C1
TRẮC DỌC Ramp C1



PROFILE / ĐỘ DỐC DỌC	5.500	i=-0.300% L=306.667m	4.580	I=0.300% L=480.287m

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
0+000.000	5.500		0.000
0+020.000	5.440		20.000
0+040.000	5.380		40.000
0+060.000	5.320		60.000
0+080.000	5.260		80.000
0+100.000	5.200		100.000
0+120.000	5.140		120.000
0+140.000	5.080		140.000
0+160.000	5.020		160.000
0+180.000	4.960		180.000
0+200.000	4.900		200.000
0+220.000	4.840		220.000
0+240.000	4.781		240.000
0+260.000	4.736		260.000
			264.095
0+280.000	4.707	-0.323	280.000
0+300.000	4.693	-0.291	300.000
0+320.000	4.696	-0.263	320.000
0+340.000	4.715	-0.204	340.000
0+360.000	4.749	-0.198	360.000
			364.903
0+380.000	4.800	-0.187	380.000
0+400.000	4.860	-0.169	400.000
0+420.000	4.920	-0.006	420.000
0+440.000	4.980	-0.065	440.000
0+460.000	5.040	-0.064	460.000
			467.405
0+480.000	5.100	-0.022	480.000
0+500.000	5.160	-0.097	500.000
0+520.000	5.220	-0.034	520.000
0+540.000	5.280	-0.019	540.000
0+560.000	5.340	0.003	560.000
			570.385
0+580.000	5.400	0.043	580.000
0+600.000	5.460	0.070	600.000
0+620.000	5.520	0.067	620.000
0+640.000	5.580	0.288	640.000
0+660.000	5.640	-0.171	660.000
			670.482
0+680.000	5.700	0.210	680.000

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=1295.806m

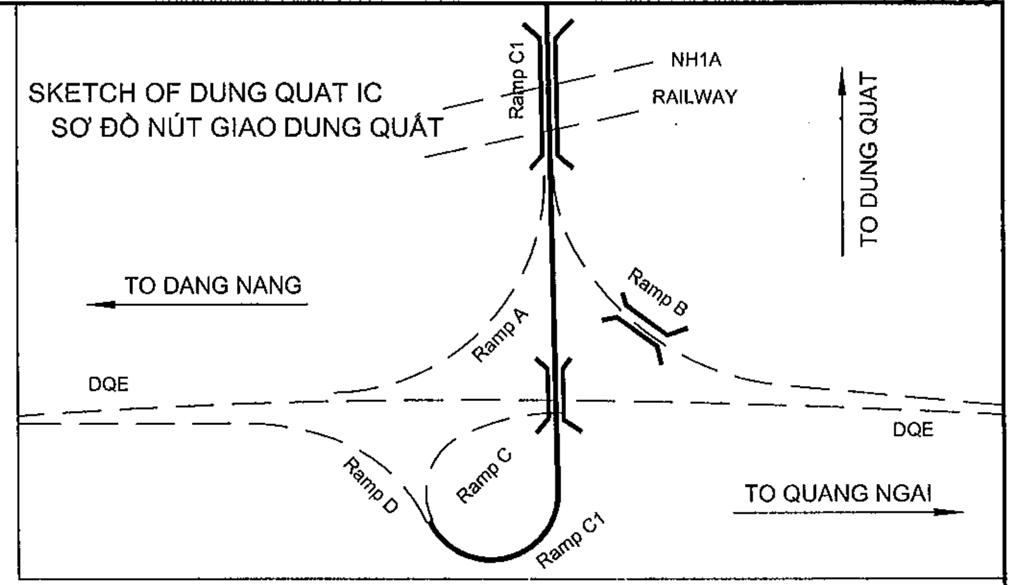
SUPER ELEVATION / SIÊU CAO

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

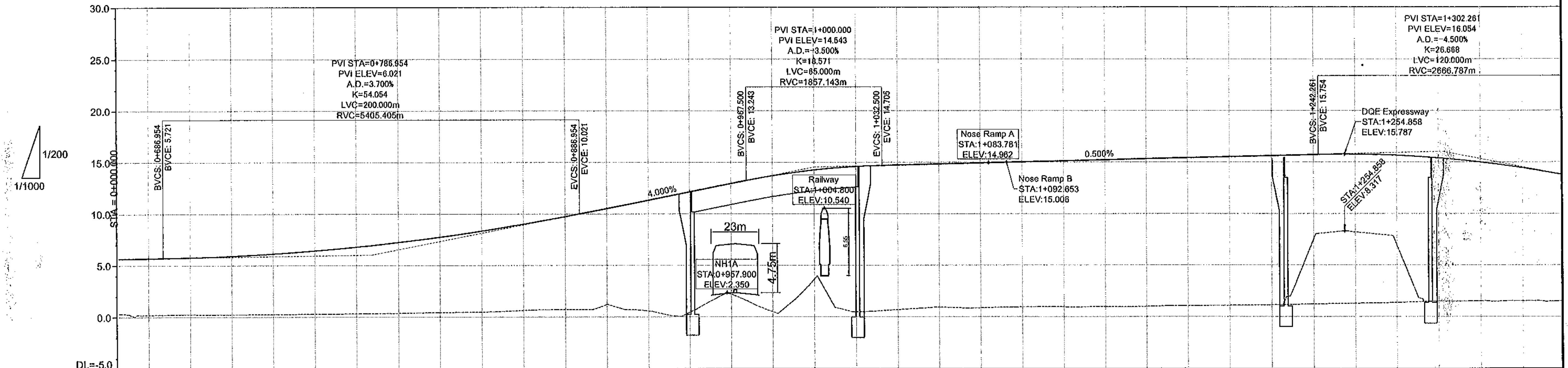
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	DUNG QUAT INTERCHANGE-NÚT GIAO DUNG QUẤT		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1 (1/3)		
SIGNATURE	[signature]	[signature]	[signature]	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKGA3-IC-PP-080	3

PATH - D1_02.CAREER\DN-QN PROJECTS\R.MAGA\06 DUNG QUAT IC KM101+250-102+200\ACAD FILE\LAST FILE\ACAD-03.PROFILE-DAYLIGHT BD.DWG - SHEET: PROFILE - JAN 15, 2013



PROFILE OF Ramp C1
TRẮC DỌC Ramp C1



PROFILE / ĐỘ DỐC DỌC: 6.021 — i=4.000%, L=213.046m — 14.543 — i=0.500%, L=302.261m — 16.054

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
			670.482
0+680.000	5.700	0.210	680.000
0+700.000	5.776	0.260	700.000
0+720.000	5.921	0.243	720.000
0+740.000	6.140	0.267	740.000
0+760.000	6.434	0.301	760.000
			771.021
0+780.000	6.801	0.334	780.000
0+800.000	7.242	0.372	800.000
0+820.000	7.757	0.443	820.000
0+840.000	8.347	0.486	840.000
0+860.000	9.010	0.645	860.000
			875.338
0+880.000	9.747	0.719	880.000
0+900.000	10.543	1.227	900.000
0+920.000	11.343	0.586	920.000
0+940.000	12.143	0.457	940.000
0+960.000	12.943	2.204	960.000
0+980.000	13.701	0.511	980.000
			982.485
1+000.000	14.258	3.673	1000.000
1+020.000	14.601	0.484	1020.000
1+040.000	14.743	0.701	1040.000
1+060.000	14.843	0.923	1060.000
1+080.000	14.943	0.868	1080.000
			1094.787
1+100.000	15.043	0.952	1100.000
1+120.000	15.143	0.959	1120.000
1+140.000	15.243	0.983	1140.000
1+160.000	15.343	0.998	1160.000
1+180.000	15.443	1.066	1180.000
			1196.856
1+200.000	15.543	1.100	1200.000
1+220.000	15.643	1.149	1220.000
1+240.000	15.743	1.227	1240.000
1+260.000	15.784	1.297	1260.000
1+280.000	15.676	1.376	1280.000
			1298.541
1+300.000	15.418	1.512	1300.000
1+320.000	15.010	1.533	1320.000
1+340.000	14.452	1.522	1340.000

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: A=72.932, L=84.766m

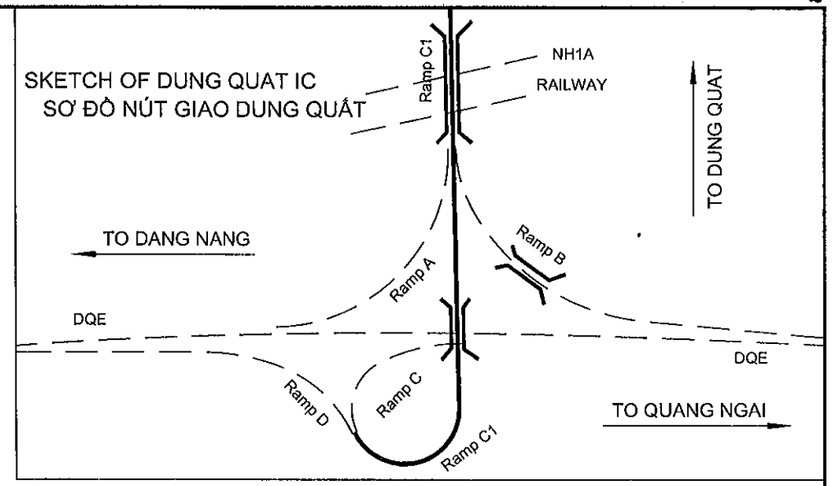
SUPER ELEVATION / SIÊU CAO: -2.000% — 1+345.573 — -2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

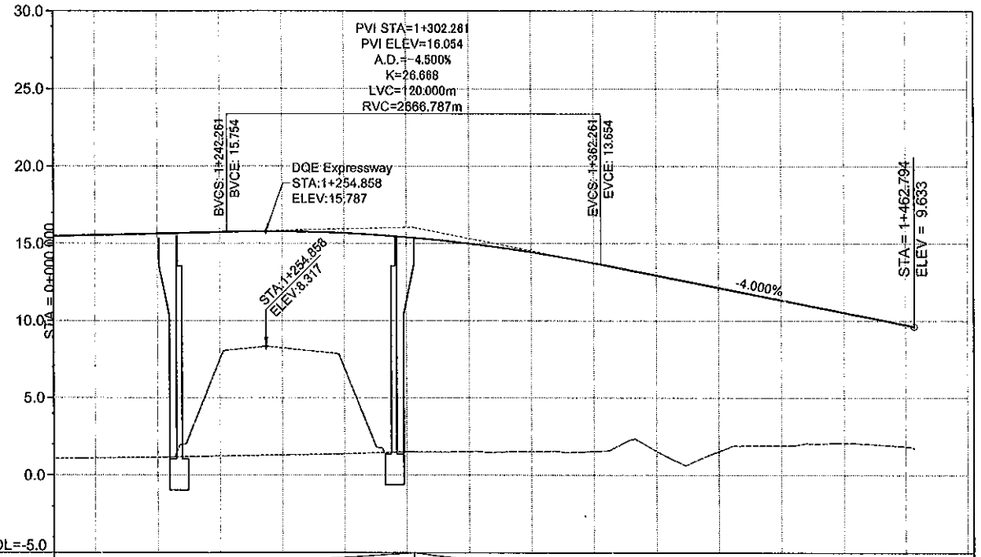
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	DUNG QUAT INTERCHANGE-NÚT GIAO DUNG QUẤT PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1 (2/3)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE	[signature]	[signature]	[signature]	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKGA3-IC-PP-100	3

PATH - D1_02.CAREER\DN-QN PROJECTS\R.MAGA\06 DUNG QUAT IC KM101+250-102+200\ACAD FILE\LAST FILE\ACAD-03.PROFILE-DAYLIGHT BD.DWG - SHEET: PROFILE - JAN 15, 2013



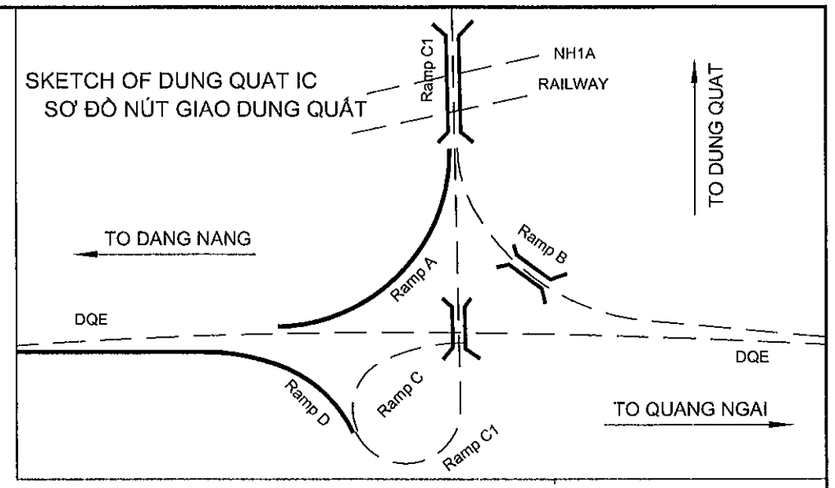
1/200
1/1000



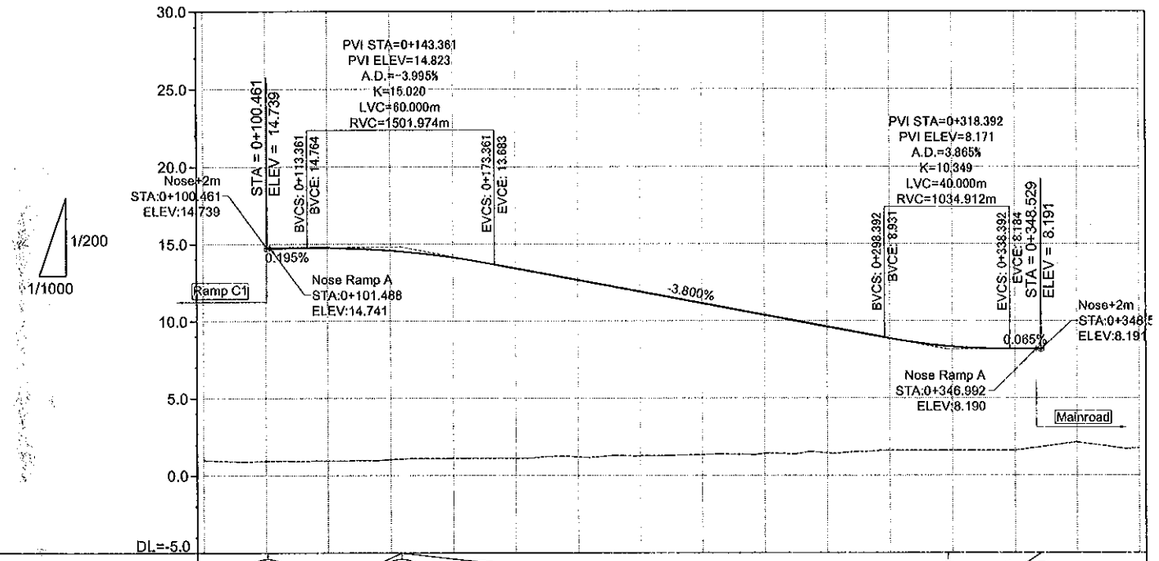
PROFILE ĐỘ DỐC DỌC						16.054					I=-4.000% L=160.533m			9.633	
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	15.543	15.643	15.743	15.784	15.676	15.418	15.010	14.452	13.744	12.945	12.145	11.345	10.545	9.745	
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	1.100	1.149	1.227	1.297	1.376	1.512	1.533	1.522	1.541	1.551	1.540	1.925	2.081	1.862	
STATION LÝ TRÌNH	1+200.000	1+220.000	1+240.000	1+260.000	1+280.000	1+300.000	1+320.000	1+340.000	1+360.000	1+380.000	1+400.000	1+420.000	1+440.000	1+460.000	1+480.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	1196.856 1200.000	1220.000	1240.000	1260.000	1280.000	1308.541 1300.000	1320.000	1340.000	1360.000	1380.000	1400.000 1402.794	1422.888	1440.000	1460.000	1480.000
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG						A=72.932 L=84.766m					L=82.222m R=62.750m				
SUPER ELEVATION SIÊU CAO										-2.000% 1+345.573 -2.000%	6.000% 1+380.573 -6.000%			6.000% 1+462.794 -6.000%	

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT					
				Package:		Station:			
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	DUNG QUAT INTERCHANGE-NÚT GIAO DUNG QUẤT	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1 (3/3)	
				SIGNATURE				SCALE	DRAWING NO. / REV. NO.
				DATE				AS SHOW	PKGA3-IC-PP-140 / 3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGARIO\06 DUNG QUAT IC NM101+250-102+200\ACAD FILE\LAST FILE\ACAD-03.PROFILE-DAYLIGHT BD.DWG - SHEET: PROFILE - JAN 15, 2013



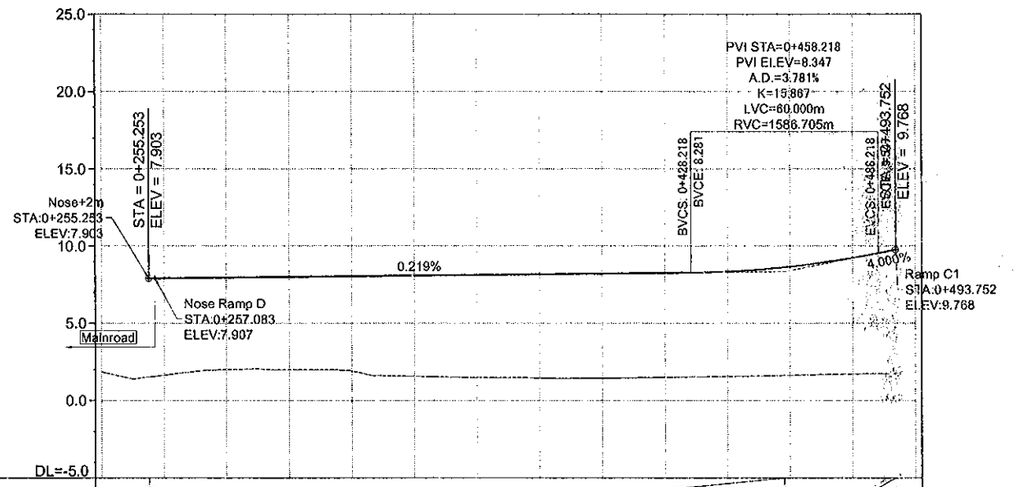
PROFILE OF Ramp A
TRẮC DỌC Ramp A



PROFILE ĐỘ DỐC DỌC	14.739	i=0.195% L=42.900m	14.823	i=-3.800% L=175.030m	8.171	i=0.065% L=30.137m	8.191

PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	14.762	14.580	14.131	13.430	12.670	11.910	11.150	10.390	9.630	8.872	8.336	8.185
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	0.978	0.925	0.947	1.039	1.108	1.122	1.199	1.260	1.341	1.420	1.449	1.604	1.600	1.625	2.136	1.757
STATION LÝ TRÌNH	0+080.000	0+100.000	0+120.000	0+140.000	0+160.000	0+180.000	0+200.000	0+220.000	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN			120.000	140.000	160.000	180.000 182.631	200.000	220.000	240.000	260.000	280.000 285.507	300.000	320.000	340.000	360.000	
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG			L=189.454m R=200.000m											A=170.123 L=144.709m		
SUPER ELEVATION SIÊU CAO	2.000% 0+100.000 -2.000%										2.000% 0+289.454 -2.000%					

PROFILE OF Ramp D
TRẮC DỌC Ramp D



PROFILE ĐỘ DỐC DỌC	7.903	i=0.219% L=202.965m	8.347	i=4.000% L=35.534m	9.768

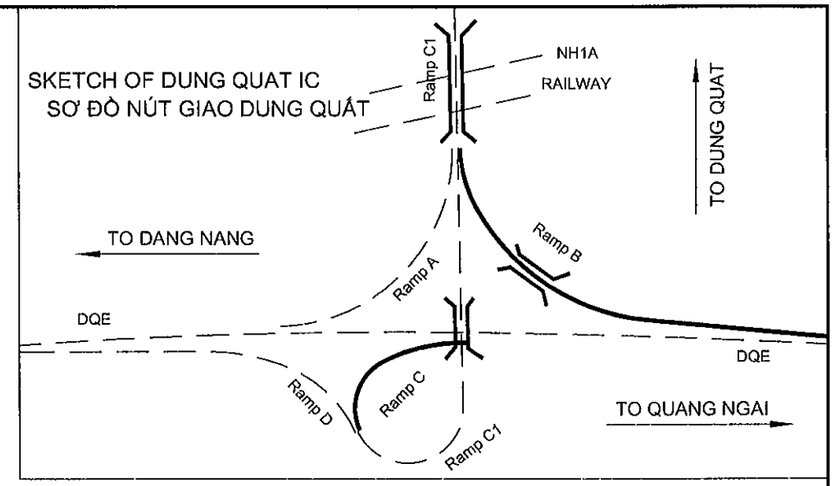
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	7.913	7.957	8.001	8.045	8.088	8.132	8.176	8.219	8.263	8.351	8.669	9.239
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	1.849	1.641	1.995	1.980	1.911	1.558	1.477	1.435	1.432	1.495	1.553	1.633	1.714	
STATION LÝ TRÌNH	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000	0+400.000	0+420.000	0+440.000	0+460.000	0+480.000	0+500.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN		260.000	280.000	300.000	320.000	340.000 340.908	360.000	380.000	400.000	420.000	440.000 440.015	460.000	480.000	500.000
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG		A=80.000 L=53.333m		L=67.767m R=120.000m		A=70.000 L=40.833m		A=70.000 L=74.809m						
SUPER ELEVATION SIÊU CAO		2.000% 0+310.343 -2.000%			2.000% 0+378.110 -2.000%								-6.000% 0+493.752 6.000%	

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

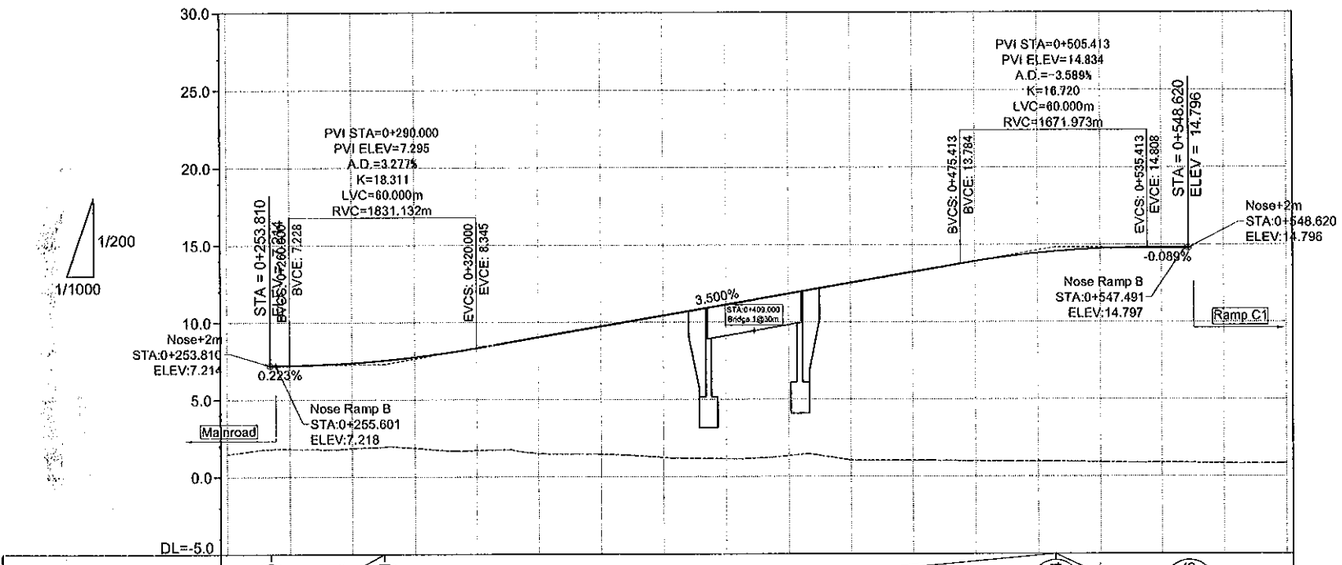
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	DUNG QUAT INTERCHANGE-NÚT GIAO DUNG QUẤT
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP A&D-TRẮC DỌC NHÁNH A&D
SIGNATURE				SCALE: AS SHOW; DRAWING NO.: PKGA3-IC-PP-120; REV. NO: 3
DATE				

PATH - D:_02.CAREER\DA-DN PROJECT\SIR.MAGA\06 DUNG QUAT IC KM101+250-102+200\ACAD FILE\LAST FILE\ACAD-03.PROFILE-DAYLIGHT 80.DWG - SHEET: PROFILE - JAN 15, 2013

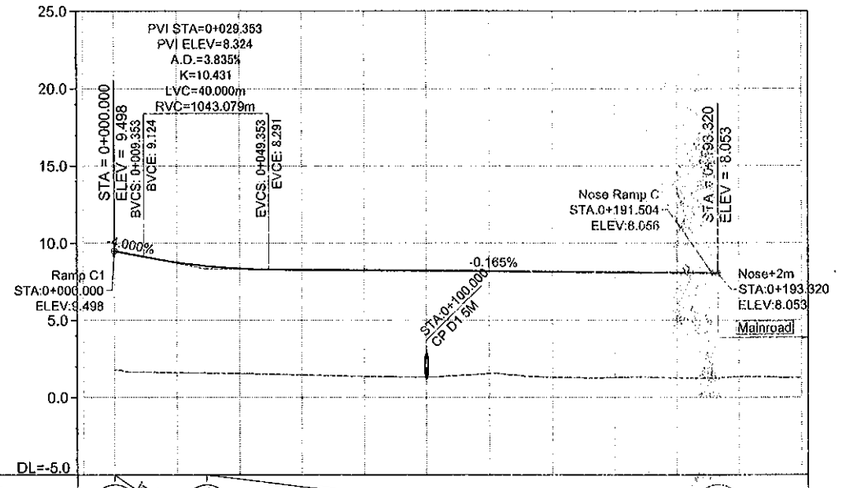


PROFILE OF Ramp B
TRẮC DỌC Ramp B



PROFILE ĐỘ DỐC DỌC	(7.214)	i=0.223% L=36.190m	(7.295)	i=3.500% L=215.413m															(14.834)	i=-0.089% L=43.207m	(14.796)	
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ		7.228	7.382	7.754	8.345	9.045	9.745	10.445	11.145	11.845	12.545	13.245	13.939	14.464	14.750	14.804						
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	1.470	1.802	1.854	1.859	1.709	1.503	1.460	1.246	1.155	1.352	1.051	1.030	0.991	0.969	0.921	0.902	0.837	0.841				
STATION LÝ TRÌNH	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000	0+400.000	0+420.000	0+440.000	0+460.000	0+480.000	0+500.000	0+520.000	0+540.000	0+560.000	0+580.000				
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN		260.000	280.000	300.000	320.000	340.000	360.000	380.000	400.000	420.000	440.000	460.000	480.000	500.000	520.000	540.000	560.000					
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG		A=150.000 L=112.500m		L=210.637m R=200.000m																		
SUPER ELEVATION SIÊU CAO		2.000% 0+366.993 -2.000%																2.000% 0+577.630 -2.000%				

PROFILE OF Ramp C
TRẮC DỌC Ramp C



PROFILE ĐỘ DỐC DỌC	(9.498)	i=4.000% L=29.353m	(8.324)	i=-0.165% L=163.967m																		(8.053)
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	9.498	8.752	8.348	8.273	8.240	8.207	8.174	8.141	8.108	8.075												
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	1.808	1.608	1.550	1.465	1.361	1.315	1.547	1.311	1.297	1.266	1.334	1.295										
STATION LÝ TRÌNH	-0+010.000	0+000.000	0+020.000	0+040.000	0+060.000	0+080.000	0+100.000	0+120.000	0+140.000	0+160.000	0+180.000	0+200.000	0+220.000									
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	-10.000		20.000	40.000	60.000	80.000	91.596	100.000	120.000	140.000	160.000	180.000	188.066									
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG		L=130.852m R=60.000m									A=60.921 L=60.000m											
SUPER ELEVATION SIÊU CAO	6.000% 0+000.000 -6.000%							6.000% 0+130.853 -6.000%				2.000% 0+190.852 -2.000%										

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	DUNG QUAT INTERCHANGE-NÚT GIAO DUNG QUẤT
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP B&C-TRẮC DỌC NHÁNH B&C
SIGNATURE				SCALE: AS SHOW; DRAWING NO.: PKGA3-IC-PP-120; REV. NO.: 2
DATE				

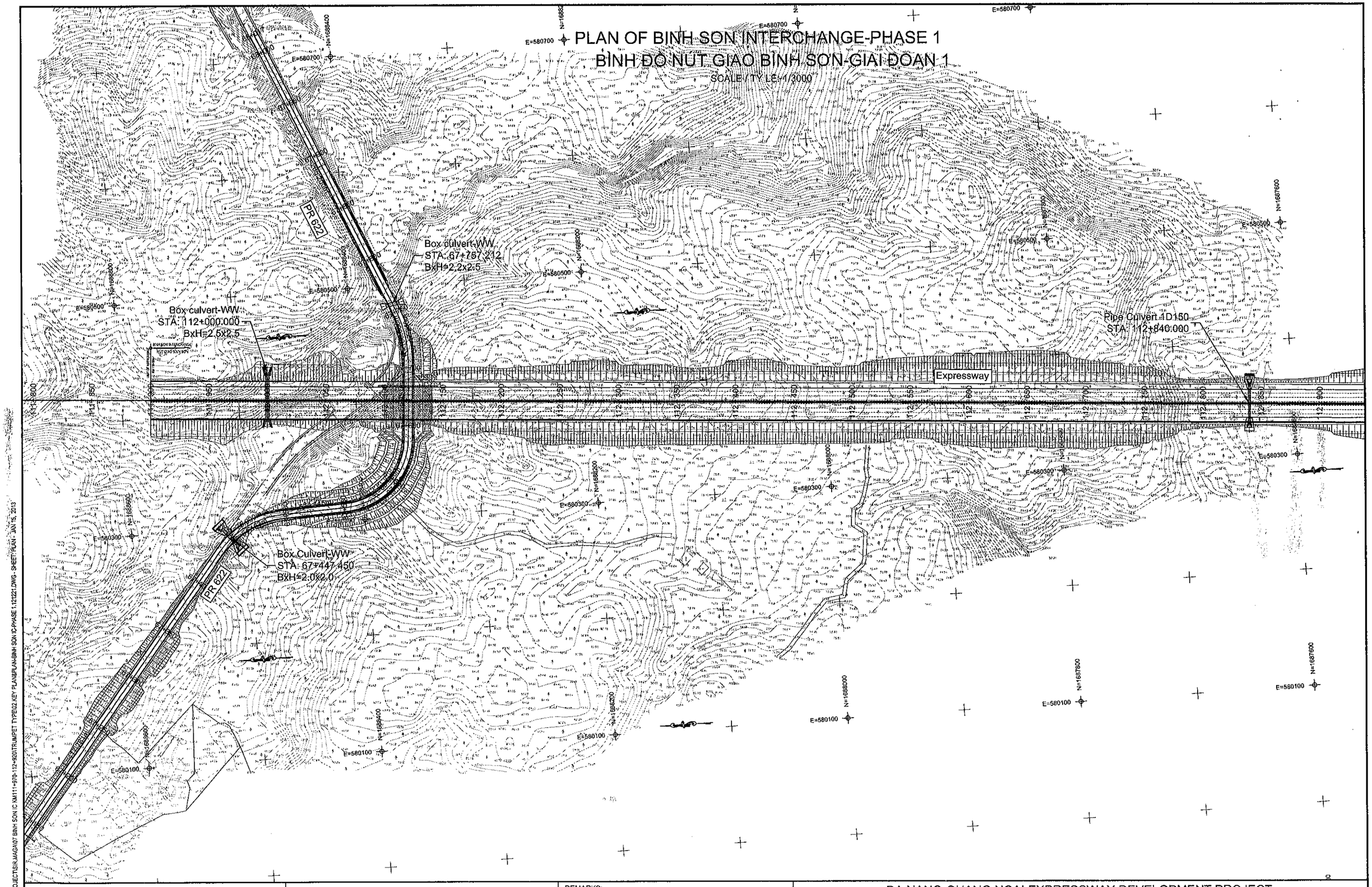
PATH: - DL_02.CAREER/ON-GN PROJECT/SIR.MAG/I05 DUNG QUAT IC KM101+259-102+200/ACAD FILE/LAST FILE/ACAD-03.PROFILE-DAYLIGHT BD.DWG - SHEET: PROFILE - JAN 15, 2013

E7-1: INTERCHANGE IN 1ST STAGE
E7-1: NÚT GIAO TRONG GIAI ĐOẠN 1

E7. BÌNH SƠN INTERCHANGE
E7. NÚT GIAO BÌNH SƠN

PLAN OF BINH SON INTERCHANGE-PHASE 1
BÌNH ĐỒ NÚT GIAO BÌNH SƠN-GIAI ĐOẠN 1

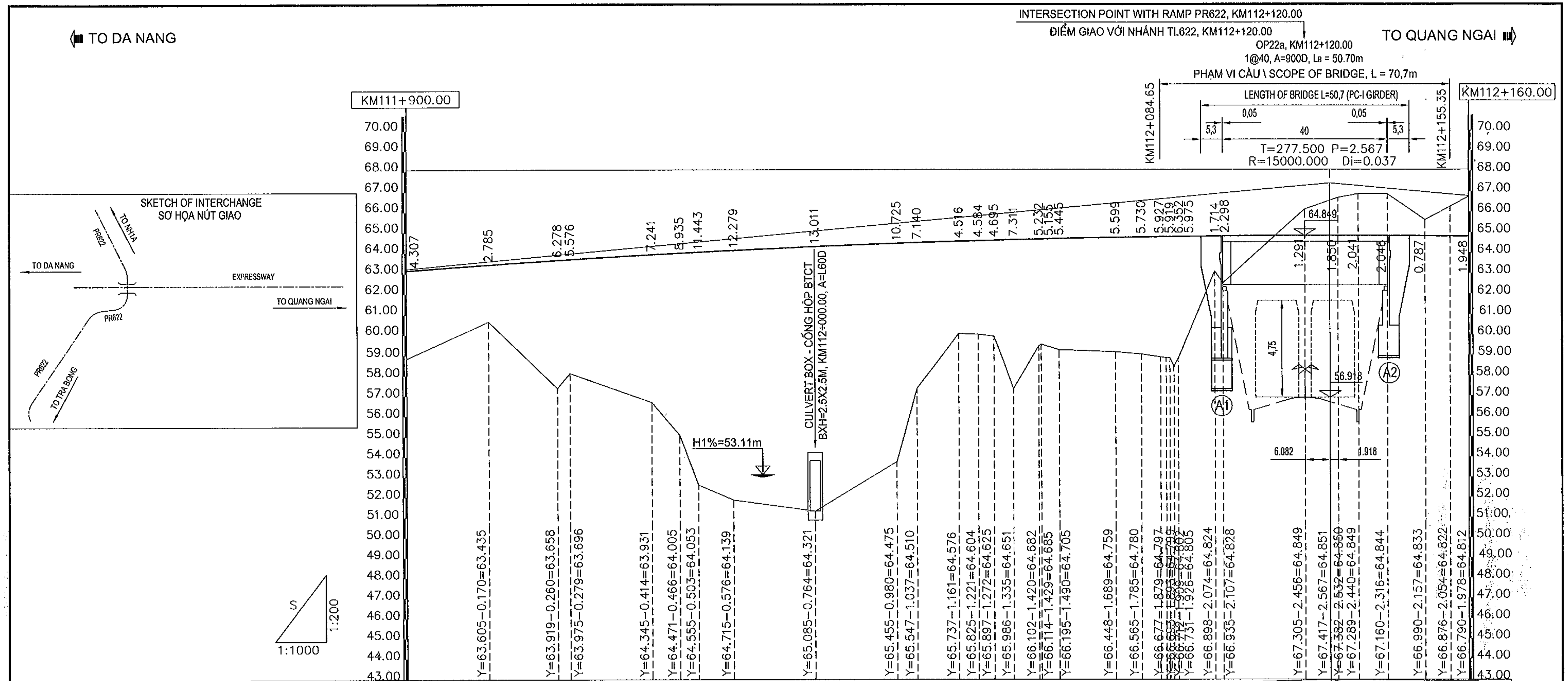
SCALE / TỶ LỆ 1/3000



PATH - D:_02_CAREER\DN-QN PROJECT\SR\MAGA\07 BINH SON IC (KM111+970-112+920)\TRUMPET TYPE\02.KEY PLAN\PLAN-BINH SON IC-PHASE 1.121221.DWG - SHEET: PLAN - JAN 15, 2013

MINISTRY OF TRANSPORT VIETNAM	ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: Station:
CLIENT: VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT CONSULTANT: PROJECT MANAGEMENT UNIT NO.85	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF BINH SON INTERCHANGE - PHASE 1 MẶT BẰNG NÚT GIAO BÌNH SƠN - GIAI ĐOẠN 1		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/3000	PKGA4-IC1-PP-010	3



VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ	1.850%, 226.082	1.850%, 853.918

STATION / LÝ TRÌNH CỌC	FINISHED GRADE / CAO ĐỘ THIẾT KẾ	EXISTING GROUND / CAO ĐỘ THIÊN NHIÊN	STAKE NAME / TÊN CỌC
111900.00	63.147	58.84	H9
111920.00	63.435	60.65	50
111936.95	63.658	57.38	50A
111940.00	63.696	58.12	51
111960.00	63.931	56.69	52
111966.80	64.005	55.07	52A
111971.36	64.053	52.61	52B
111980.00	64.139	51.86	53
112000.00	64.321	51.31	KM112
112020.00	64.475	53.75	1
112025.00	64.510	57.37	1A
112035.24	64.576	60.06	2
112040.00	64.604	60.02	2A
112043.89	64.625	59.93	3
112048.72	64.651	57.34	4
112055.00	64.682	59.45	5
112055.60	64.685	59.53	4A
112060.00	64.705	59.26	5A
112073.65	64.759	59.16	6
112080.00	64.780	59.05	7
112084.65	64.793	58.91	0PA
112086.03	64.797	58.87	8
112086.90	64.799	58.88	9
112087.92	64.802	58.45	10
112088.98	64.805	58.83	11
112098.00	64.824	63.11	11A
112100.00	64.828	62.53	H1
112120.00	64.849	66.14	13
112128.00	64.850	66.70	13A
112133.00	64.849	66.89	14
112140.00	64.844	66.89	15
112149.20	64.833	65.62	15A
112155.35	64.822	66.27	0PB
112160.00	64.812	66.76	16

HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG: L=1100.000m

SUPERELEVATION / SIÊU CAO: 111+900.00 −2.000%; 112+000.00 −2.000%; −2.000%

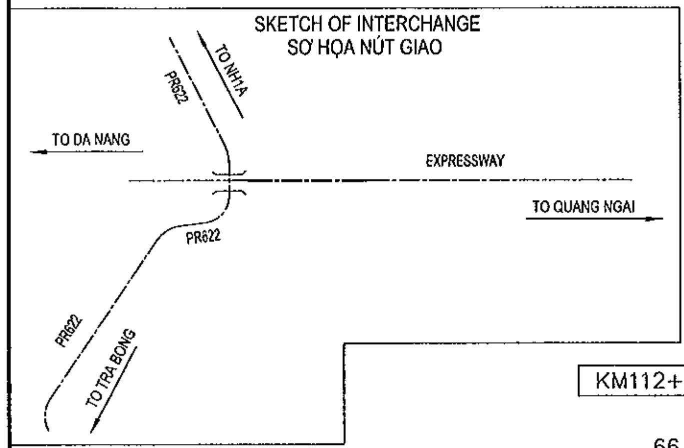
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

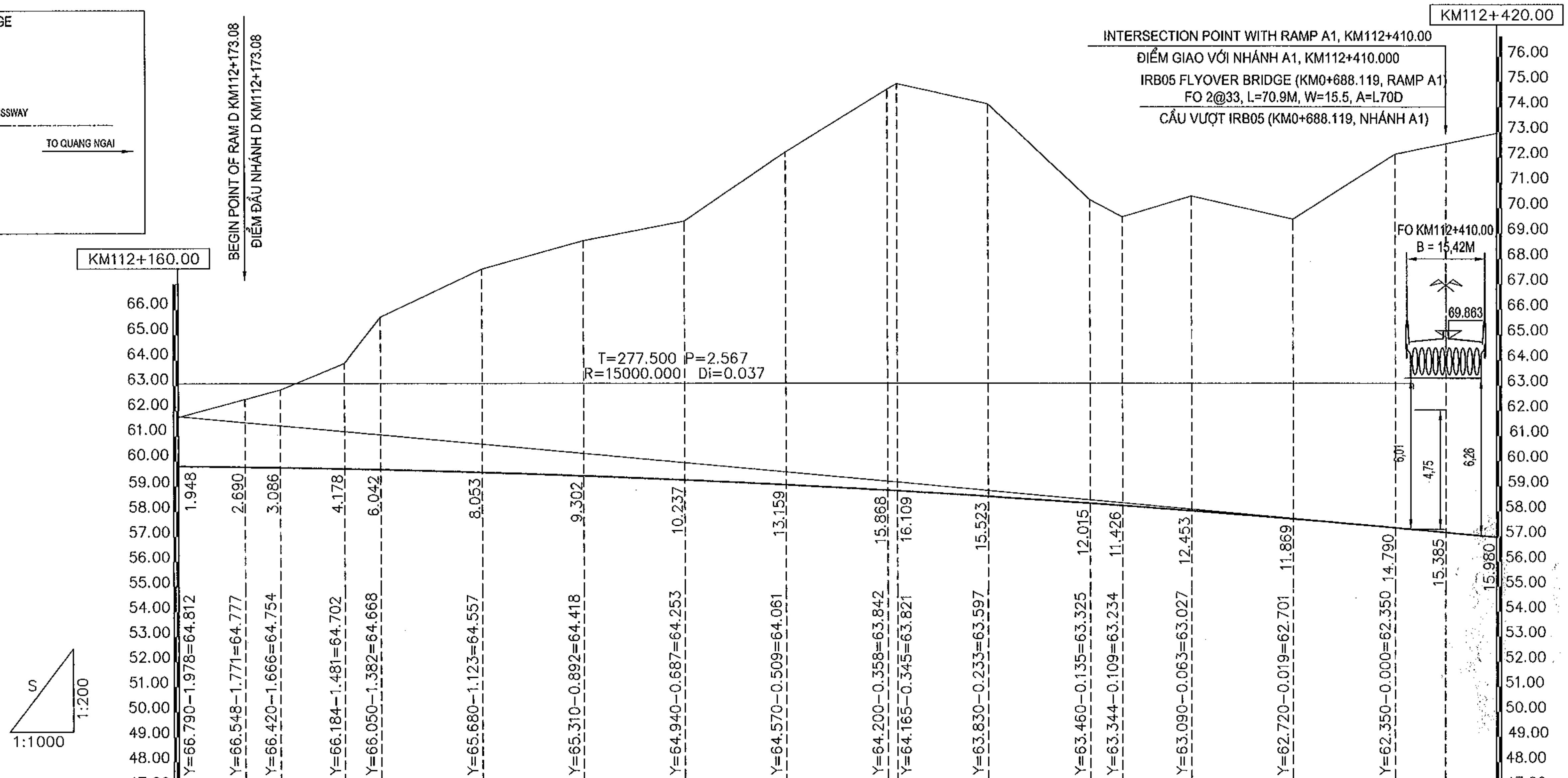
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PROFILE OF DN.QN EXW - BINH SON INTERCHANGE (1/4)
TRẮC DỌC ĐCT ĐN.QN - NÚT GIAO BÌNH SƠN (1/4)

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-RW-IC1-020	0





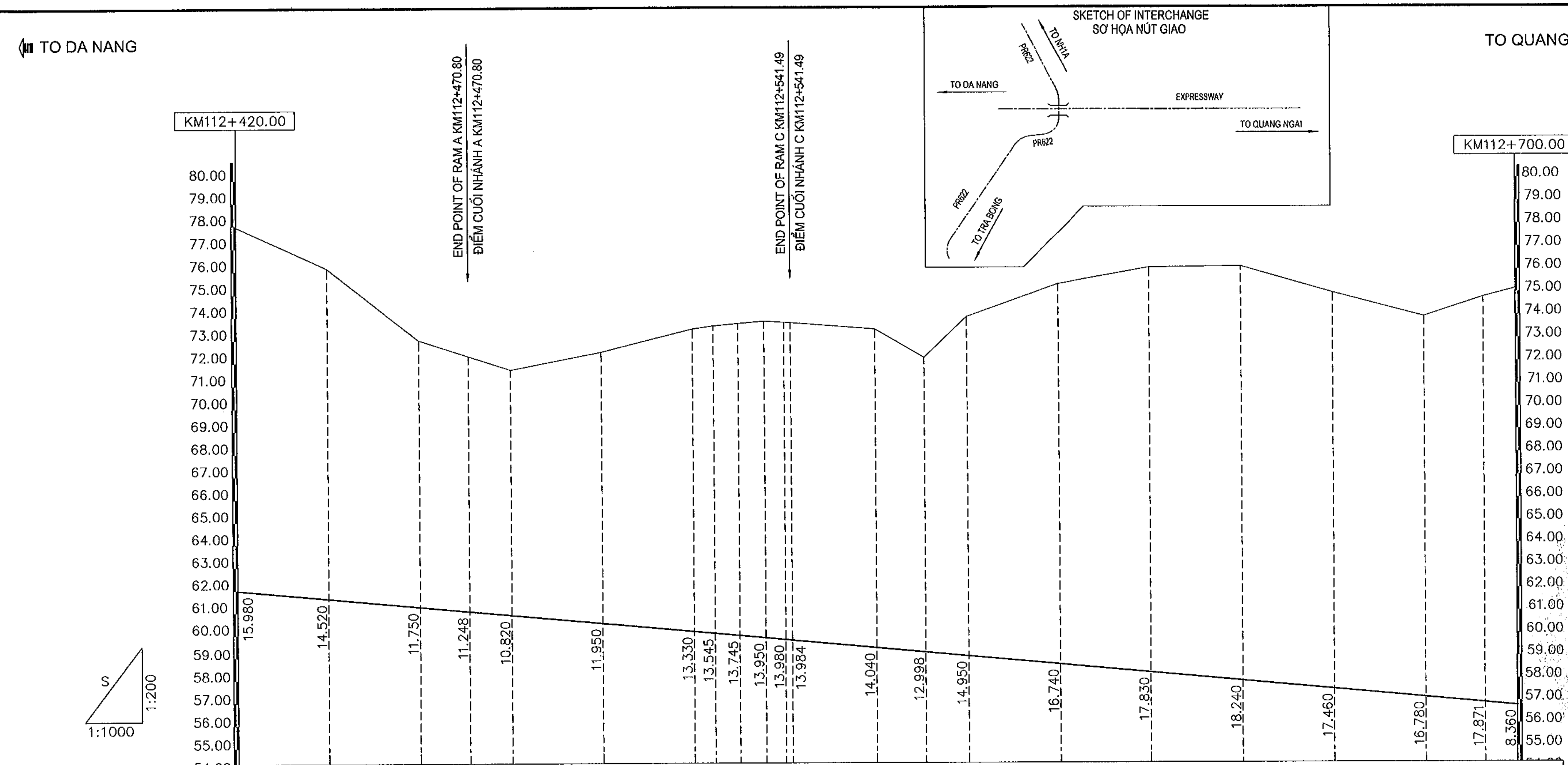
VERTICAL ALIGNMENT ĐỘ DỐC THIẾT KẾ	1.850% 853.918																		
FINISHED GRADE CAO ĐỘ THIẾT KẾ	64.812	64.777	64.754	64.702	64.668	64.557	64.418	64.253	64.061	63.842	63.821	63.597	63.325	63.234	63.027	62.701	62.350	62.165	61.980
EXISTING GROUND CAO ĐỘ THIÊN NHIÊN	66.76	67.47	67.84	68.88	70.71	72.61	73.72	74.49	77.22	79.71	79.93	79.12	75.34	74.66	75.48	74.57	77.14	77.55	77.96
STATION LÝ TRÌNH CỌC	112160.00	112173.08	112180.00	112192.78	112200.00	112220.00	112240.00	112260.00	112280.00	112300.00	112301.87	112320.00	112340.00	112346.29	112360.00	112380.00	112400.00	112410.00	112420.00
STAKE NAME TÊN CỌC	B 16	16C	17	18	H2	20	21	22	23	H3	24A	25	26	26A	27	28	H4	29C	30
HORIZONTAL ALIGNMENT ĐƯỜNG THẲNG - ĐƯỜNG CONG	L=1100.000m																		
SUPERELEVATION SIÊU CAO	−2.000%																		−2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY	PROFILE OF DN.QN EXW - BINH SON INTERCHANGE (2/4) TRẮC DỌC ĐCT ĐN.QN - NÚT GIAO BÌNH SƠN (2/4)		
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO	SCALE	DRAWING NO.	REV. NO.
SIGNATURE				H = 1/1000; V = 1/200	PKGA4-RW-IC1-030	0
DATE						

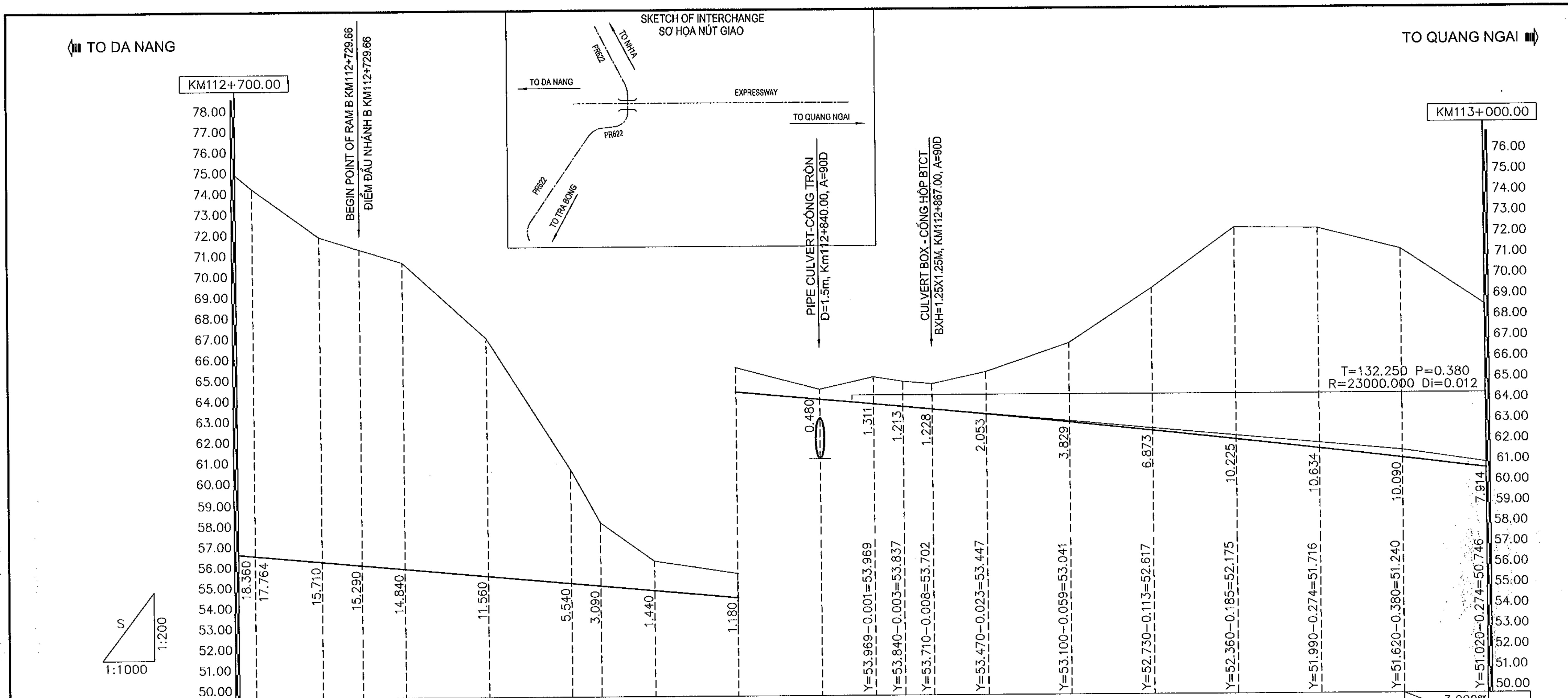
000279



VERTICAL ALIGNMENT ĐỘ DỐC THIẾT KẾ	1.850% 853.918																					
FINISHED GRADE CAO ĐỘ THIẾT KẾ	61.980	61.610	61.240	61.040	60.870	60.500	60.130	60.045	59.945	59.840	59.760	59.733	59.390	59.192	59.020	58.650	58.280	57.910	57.540	57.170	56.929	56.800
EXISTING GROUND CAO ĐỘ THIÊN NHIÊN	77.96	76.13	72.99	72.29	71.69	72.45	73.46	73.59	73.69	73.79	73.74	73.72	73.43	72.19	73.97	75.39	76.11	76.15	75.00	73.95	74.80	75.16
STATION LÝ TRÌNH CỌC	112420.00	112440.00	112460.00	112470.80	112480.00	112500.00	112520.00	112524.59	112530.00	112535.67	112540.00	112541.49	112560.00	112570.68	112580.00	112600.00	112620.00	112640.00	112660.00	112680.00	112693.00	112700.00
STAKE NAME TÊN CỌC	30	31	32	32C	33	H5	35	36	37	38	39	39C	40	40A	41	H6	43	44	45	46	46A	H7
HORIZONTAL ALIGNMENT ĐƯỜNG THẲNG - ĐƯỜNG CONG	L=1100.000m																					
SUPERELEVATION SIÊU CAO	−2.000%																					−2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: A4 Station: Km110+100 - Km124+700
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.		
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			

	PREPARED BY	CHECKED BY	APPROVED BY	PROFILE OF DN.QN EXW - BINH SON INTERCHANGE (3/4) TRẮC DỌC ĐCT ĐN.QN - NÚT GIAO BÌNH SƠN (3/4)		
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO	SCALE	DRAWING NO.	REV. NO.
SIGNATURE	for [signature]	[signature]	[signature]	H = 1/1000; V = 1/200	PKGA4-RW-IC1-040	0
DATE						



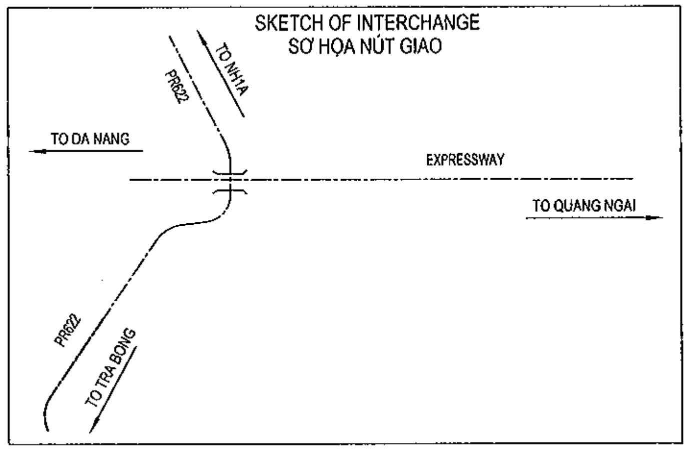
VERTICAL ALIGNMENT ĐỘ DỐC THIẾT KẾ	1.850% 853.918																			3.000% 20.000	
FINISHED GRADE CAO ĐỘ THIẾT KẾ	56.800	56.726	56.430	56.251	56.060	55.690	55.320	55.190	54.950	54.580	54.210	53.969	53.837	53.702	53.447	53.041	52.617	52.175	51.716	51.240	50.746
EXISTING GROUND CAO ĐỘ THIÊN NHIÊN	75.16	74.49	72.14	71.54	70.90	67.25	60.86	58.28	56.39	55.76	54.69	55.28	55.05	54.93	55.50	56.87	59.49	62.40	62.35	61.33	58.66
STATION LÝ TRÌNH CỌC	112700.00	112704.00	112720.00	112729.66	112740.00	112760.00	112780.00	112787.00	112800.00	112820.00	112840.00	112853.00	112860.00	112867.00	112880.00	112900.00	112920.00	112940.00	112960.00	112980.00	113000.00
STAKE NAME TÊN CỌC	H7	47	48	48C	49	50	51	51A	H8	53	54	54A	55	55A	56	H9	58	59	60	61	KM113
HORIZONTAL ALIGNMENT ĐƯỜNG THẲNG - ĐƯỜNG CONG	L=1100.000m																				
SUPERELEVATION SIÊU CAO	−2.000%																				113+000.00 −2.000%

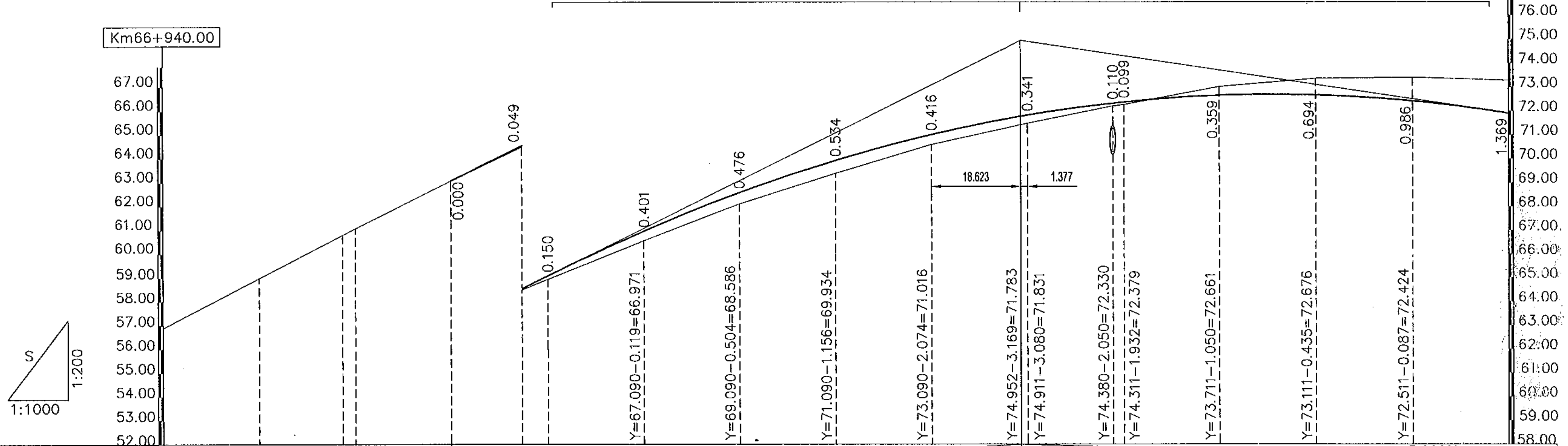
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: A4 Station: Km110+100 - Km124+700	
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85				

	PREPARED BY	CHECKED BY	APPROVED BY	PROFILE OF DN.QN EXW - BINH SON INTERCHANGE (4/4) TRẮC DỌC ĐCT ĐN.QN - NÚT GIAO BÌNH SƠN (4/4)		
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO	SCALE	DRAWING NO.	REV. NO.
SIGNATURE	[signature]	[signature]	[signature]	H = 1/1000; V = 1/200	PKGA4-RW-IC1-050	0
DATE						

TRA BONG

TO NH1A





VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ: 10.000% — 118.623; 3.000% — 251.377

FINISHED GRADE CAO ĐỘ THIẾT KẾ					63.090	64.549	65.090	66.971	68.586	69.934	71.016	71.831	72.330	72.379	72.661	72.676	72.424	71.911
EXISTING GROUND CAO ĐỘ THIÊN NHIÊN	56.88	58.99	60.80	61.08	63.09	64.50	64.94	66.57	68.11	69.40	70.60	71.49	72.22	72.28	73.02	73.37	73.41	73.28
STATION LÝ TRÌNH CỌC	66940.00	66960.00	66977.29	66980.00	67000.00	67014.59	67020.00	67040.00	67060.00	67080.00	67100.00	67120.00	67137.70	67140.00	67160.00	67180.00	67200.00	67220.00
STAKE NAME TÊN CỌC	TD1	1	P1	2	KM67	TC1	1	2	3	4	H1	5	CP01	6	7	8	H2	9

HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG: L=74.587m, R=70.000m; L=417.761m

SUPERELEVATION / SIÊU CAO: 5.000%, 66+999.59, −5.000%; 67+029.59, −2.000%; −2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85	

REMARKS:

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

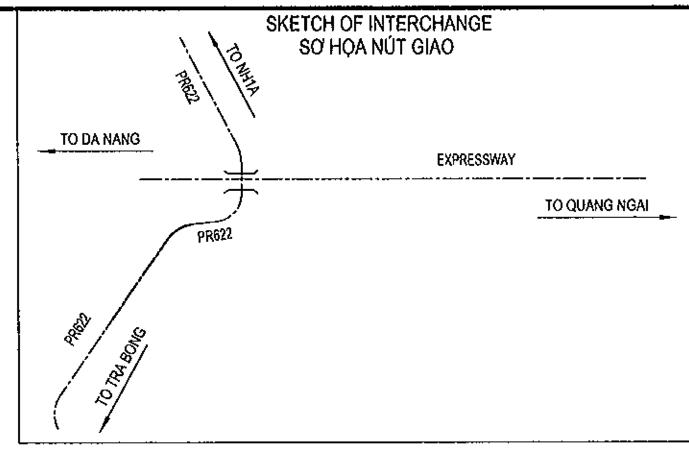
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE	for [signature]	[signature]	[signature]
DATE			

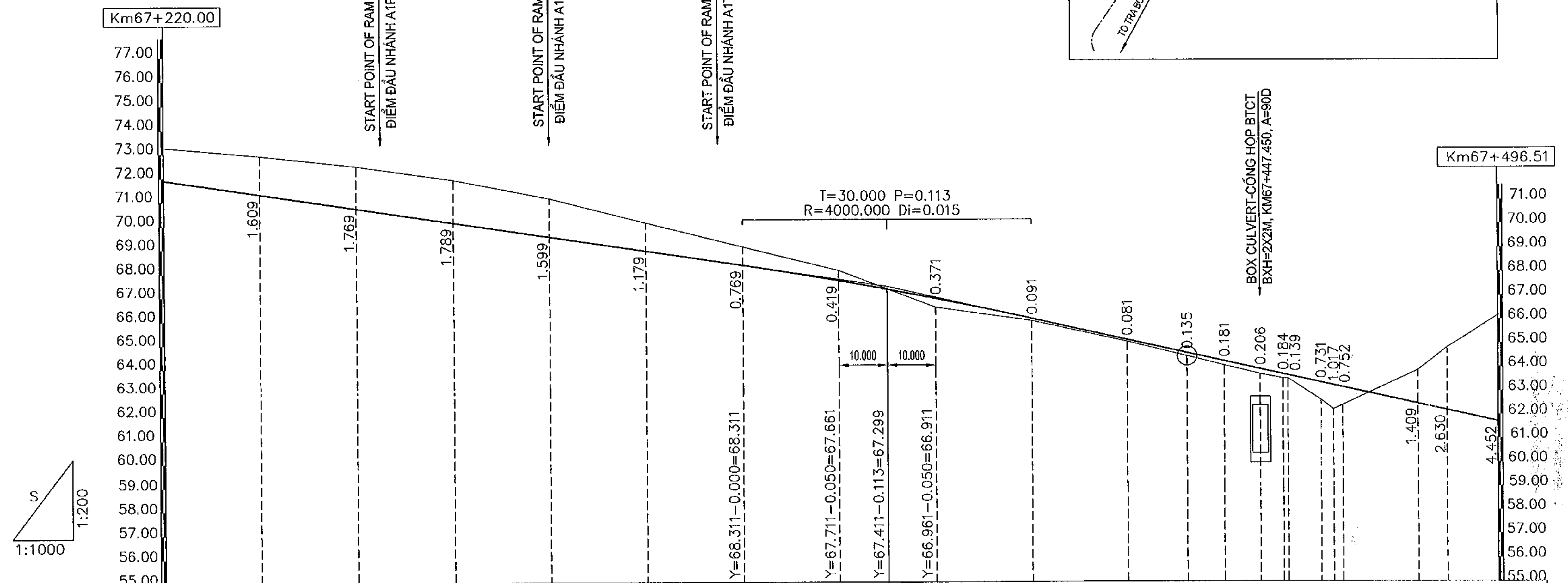
PROFILE OF RAMP PR622 - BINH SON INTERCHANGE (1/4)
TRẮC DỌC NHÁNH TL622 - NÚT GIAO BÌNH SƠN (1/4)

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-RW-IC1-060	0

⟸ TRA BONG

TO NH1A ⟹





VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ: 3.000%, 251.377; 4.500%, 224.650

STATION / LÝ TRÌNH CỌC	FINISHED GRADE / CAO ĐỘ THIẾT KẾ	EXISTING GROUND / CAO ĐỘ THIÊN NHIÊN	STAKE NAME / TÊN CỌC
67220.00	71.911	73.28	9
67240.00	71.311	72.92	10
67260.00	70.711	72.48	11
67280.00	70.111	71.90	12
67300.00	69.511	71.11	H3
67320.00	68.911	70.09	13
67340.00	68.311	69.08	14
67360.00	67.661	68.08	15
67380.00	66.911	66.54	16
67400.00	66.061	65.97	H4
67420.00	65.161	65.08	17
67432.35	64.605	64.47	TD2
67440.00	64.261	64.08	18
67447.45	63.926	63.72	CB01
67452.15	63.714	63.53	MN
67453.16	63.669	63.53	VD
67460.00	63.361	62.63	19
67462.54	63.247	62.23	20
67464.43	63.162	62.41	P2
67480.00	62.461	63.87	21
67486.03	62.190	64.82	VD
67496.51	61.718	66.17	TC2 1

HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG: L=417.761m; L=64.163m R=75.000m

SUPERELEVATION / SIÊU CAO: −2.000%; 67+417.35 −2.000%; 5.000% 67+447.35 −5.000%; 5.000% 67+481.51 −5.000%

MINISTRY OF TRANSPORT VIETNAM	ENGINEERING DESIGN CONSULTANT
CLIENT: VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT CONSULTANT: PROJECT MANAGEMENT UNIT NO.85
The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	REMARKS:

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

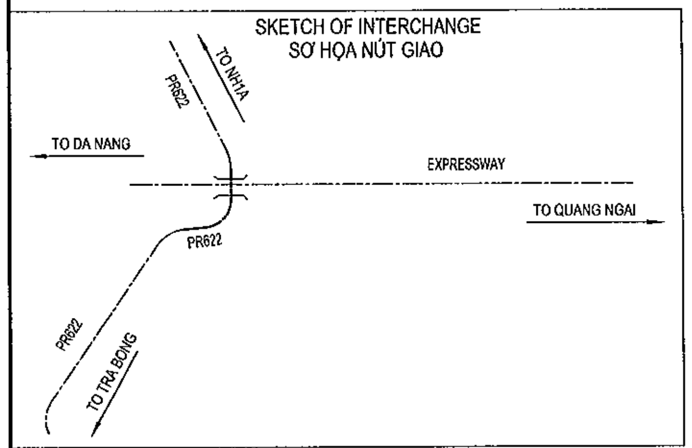
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I.ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

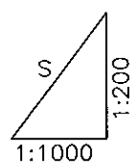
PROFILE OF RAMP PR622 - BINH SON INTERCHANGE (2/4)
TRẮC DỌC NHÁNH TL622 - NÚT GIAO BÌNH SƠN (2/4)

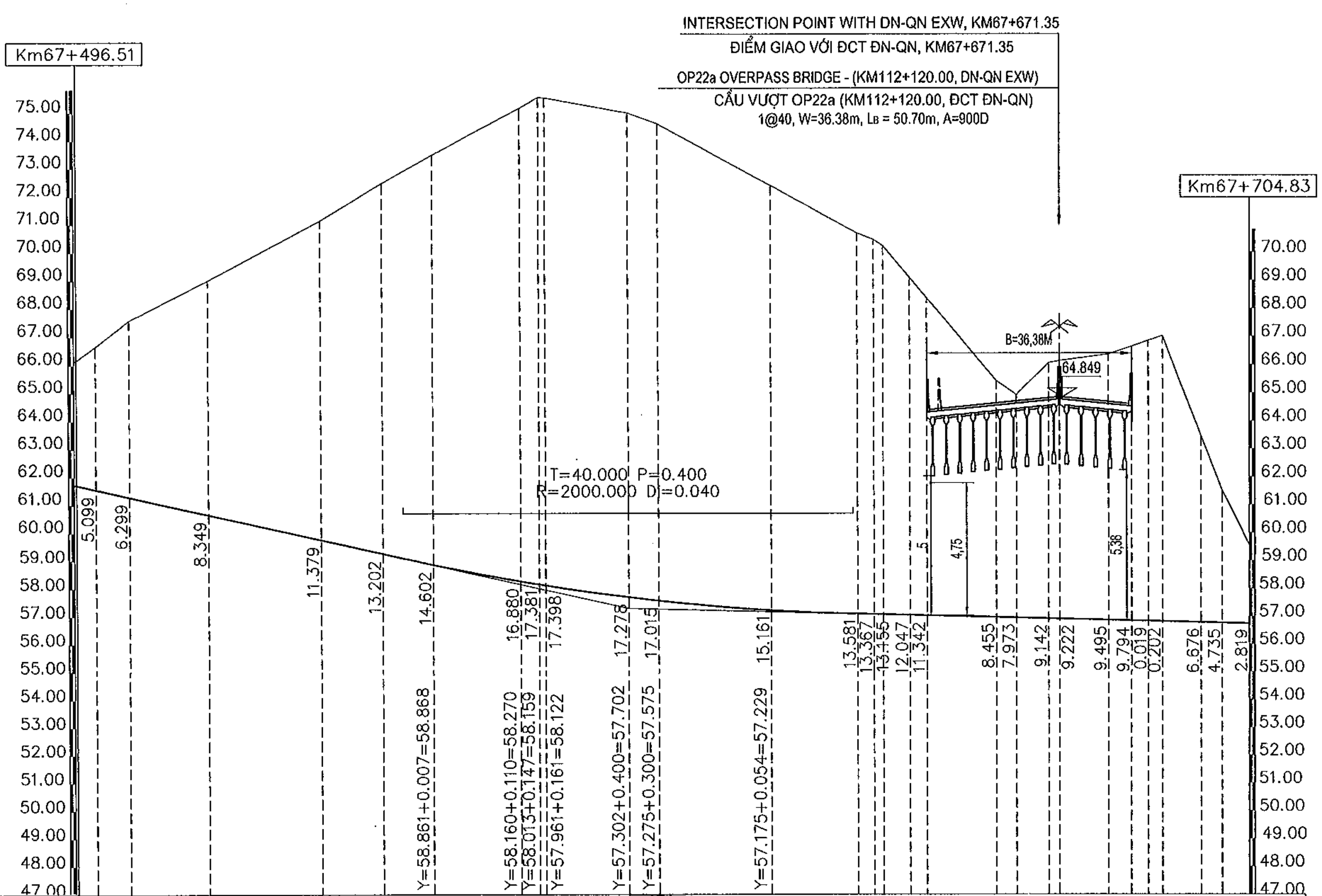
SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-RW-IC1-070	0

TRA BONG

TO NH1A







VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ: 4.500% — 224.650; 0.500% — 232.349

STATION / LÝ TRÌNH CỌC	STAKE NAME / TÊN CỌC	FINISHED GRADE / CAO ĐỘ THIẾT KẾ	EXISTING GROUND / CAO ĐỘ THIÊN NHIÊN
67496.51	TC2	61.718	66.17
67500.00	H5	61.561	66.66
67505.99	VD	61.291	67.59
67520.00	22	60.661	69.01
67540.00	23	59.761	71.14
67550.96	TD3	59.268	72.47
67560.00	24	58.868	73.47
67575.57	VD	58.270	75.15
67578.85	VD	58.159	75.54
67580.00	25	58.122	75.52
67594.65	P3	57.702	74.98
67600.00	H6	57.575	74.59
67620.00	26	57.229	72.39
67635.47	26C	57.098	70.68
67638.34	TC3	57.083	70.45
67640.00	27	57.075	70.23
67644.72	27C	57.051	69.10
67647.71	27D	57.036	68.38
67660.00	28	56.975	65.43
67663.67	KHE	56.957	64.93
67669.36	28A	56.928	66.07
67671.35	TGIAO	56.918	66.14
67680.00	29	56.875	66.37
67683.99	29B	56.855	66.65
67687.00	29C	56.840	66.86
67689.44	30	56.828	67.03
67696.25	30C	56.794	63.47
67700.00	H7	56.775	61.51
67704.83	TD4	56.751	59.57
[illegible]	3	[illegible]	[illegible]

HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG: L=54.445m; L=87.389m, R=60.000m; L=66.491m

SUPERELEVATION / SIÊU CAO: 67+511.51 −2.000%; 67+533.46 −2.000%; 67+568.46 6.000% / −6.000%; 67+620.84 6.000% / −6.000%; 67+655.84 −2.000%; 67+694.83 −2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

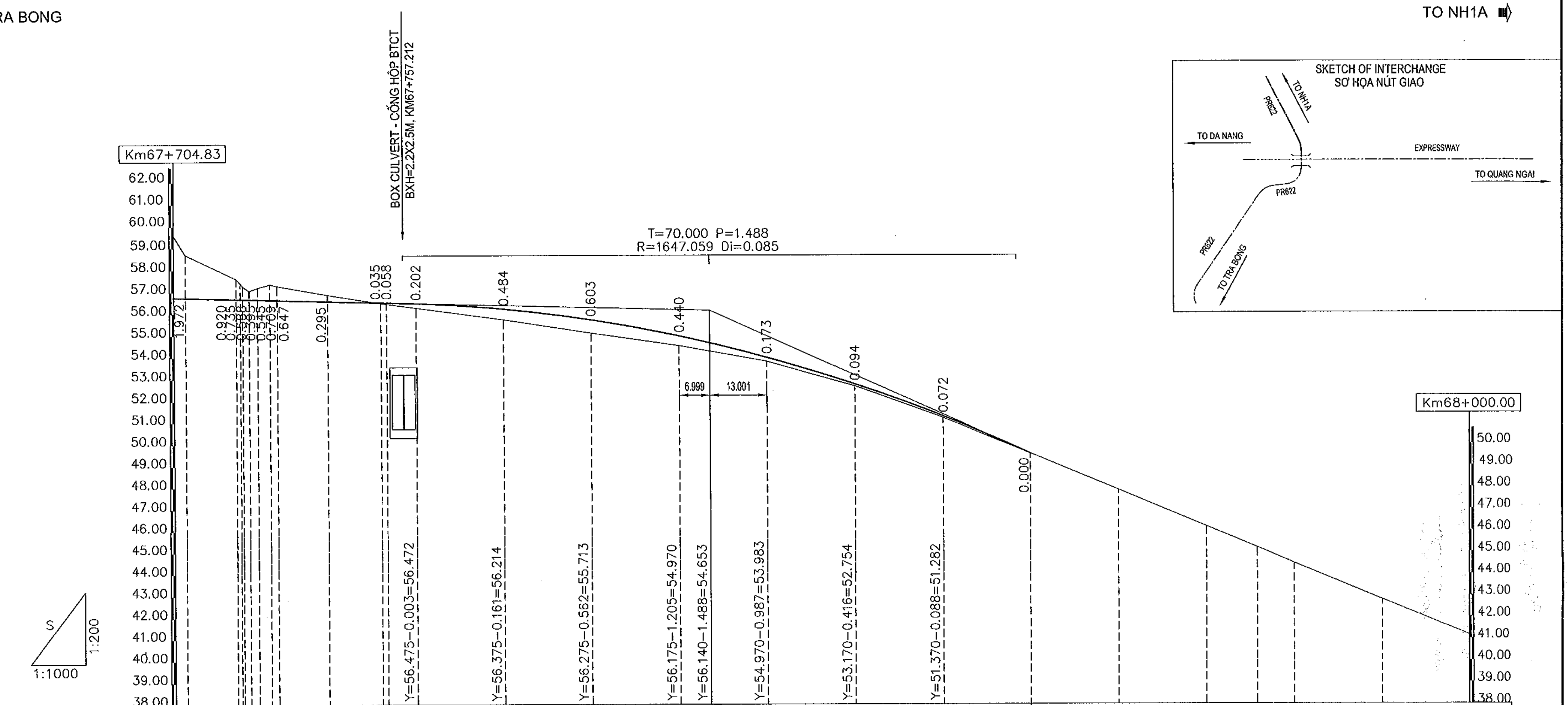
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PROFILE OF RAMP PR622 - BINH SON INTERCHANGE (3/4)
TRÁC DỌC NHÁNH TL622 - NÚT GIAO BÌNH SƠN (3/4)

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-RW-IC1-080	0

◄ TRA BONG   TO NH1A ►



VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ	0.500% — 232.349	9.000% — 73.001

STATION / LÝ TRÌNH CỌC	STAKE NAME / TÊN CỌC	FINISHED GRADE / CAO ĐỘ THIẾT KẾ	EXISTING GROUND / CAO ĐỘ THIÊN NHIÊN
67704.83	TD4	56.751	59.57
67707.51	31	56.738	58.71
67719.05, 67720.00, 67720.55, 67721.38, 67723.95, 67726.97, 67728.46	32, 33, RA, RA, VD, MN, P4	56.680, 56.675, 56.672, 56.665, 56.655, 56.641, 56.633	57.60, 57.41, 57.26, 57.06, 57.02, 57.35, 57.28
67740.00	34	56.575	56.87
67752.08	TC4	56.515	56.48
67753.35	CB02	56.508	56.45
67760.00	35	56.472	56.27
67780.00	36	56.214	55.73
67800.00	H8	55.713	55.11
67820.00	37	54.970	54.53
67840.00	38	53.983	53.81
67860.00	39	52.754	52.66
67880.00	40	51.282	51.21
67900.00	H9	49.570	49.57
67920.00	41		47.89
67940.00	42		46.19
67951.60	CP02		45.22
67960.00	43		44.49
67980.00	44		42.81
68000.00	KM68		41.16

HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG: L=47.240m, R=100.000m; L=265.200m

SUPERELEVATION / SIÊU CAO: 3.000% / −3.000% (67+714.83); 3.000% / −3.000% (67+742.07); −2.000% (67+762.08); −2.000% (67+900.00)

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE	(signed)	(signed)	(signed)
DATE			

PROFILE OF RAMP PR622 - BINH SON INTERCHANGE (4/4)
TRẮC DỌC NHÁNH TL622 - NÚT GIAO BÌNH SƠN (4/4)

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-RW-IC1-090	0

E7-2: INTERCHANGE IN 2ND STAGE
E7-2: NÚT GIAO TRONG GIAI ĐOẠN 2

PLAN OF BINH SON INTERCHANGE-PHASE 2
BÌNH ĐỒ NÚT GIAO BÌNH SƠN-GIAI ĐOẠN 2

SCALE / TỶ LỆ: 1/3000

Box culvert-WW
STA: 67+767.212
BxH=2.2x2.5

Box culvert-WW
STA: 112+000.000
BxH=2.5x2.5

Pipe Culvert 1D150
STA: 112+840.000

Box Culvert-WW
STA: 67+447.450
BxH=2.0x2.0

Ramp A1
Pipe culvert 1D150
STA: 0+068.410

Phase 2

Expressway

TOLL OFFICE

Ramp A1
Ramp A
Ramp B
Ramp C
Ramp D

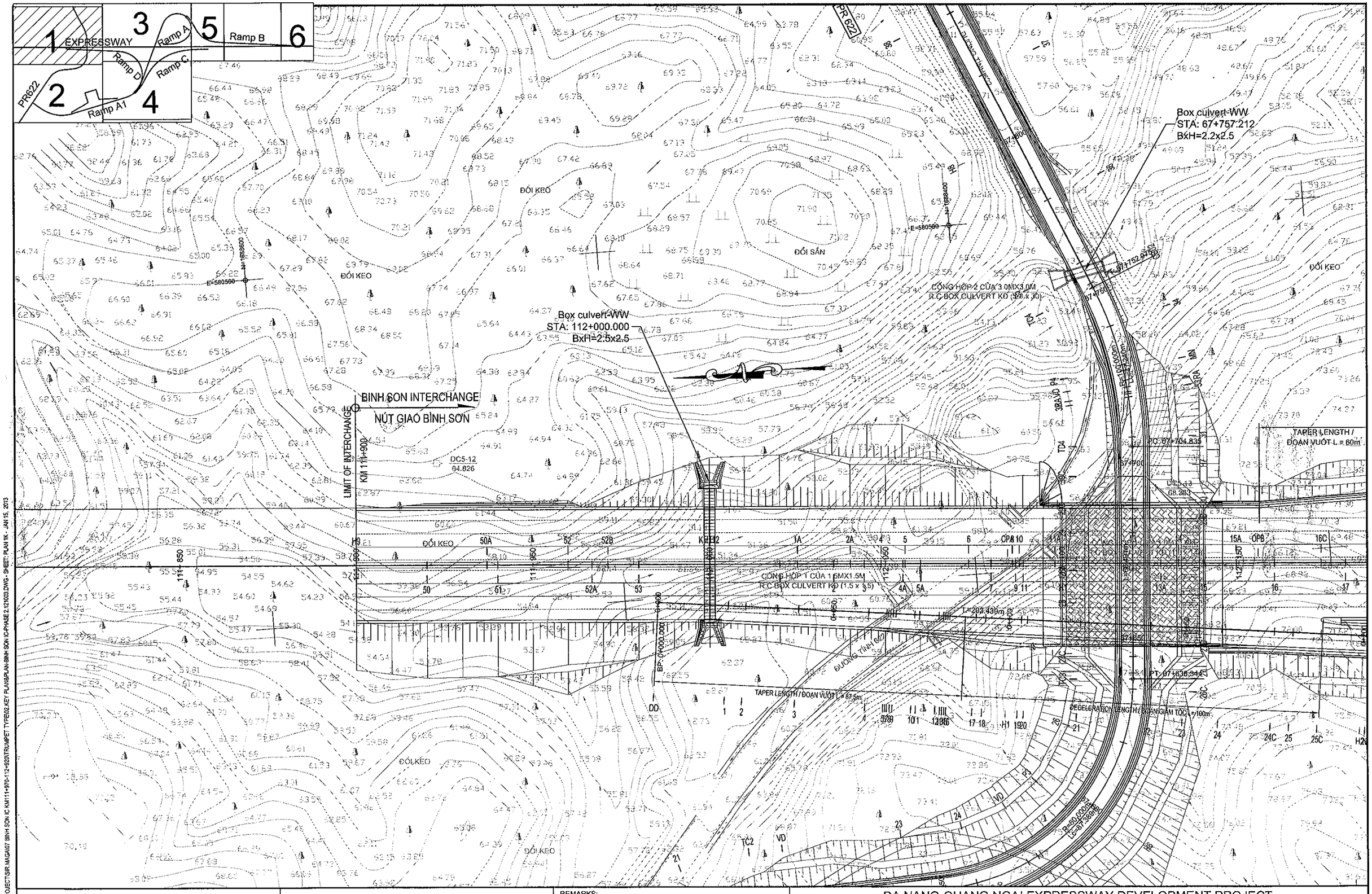
PR 622

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

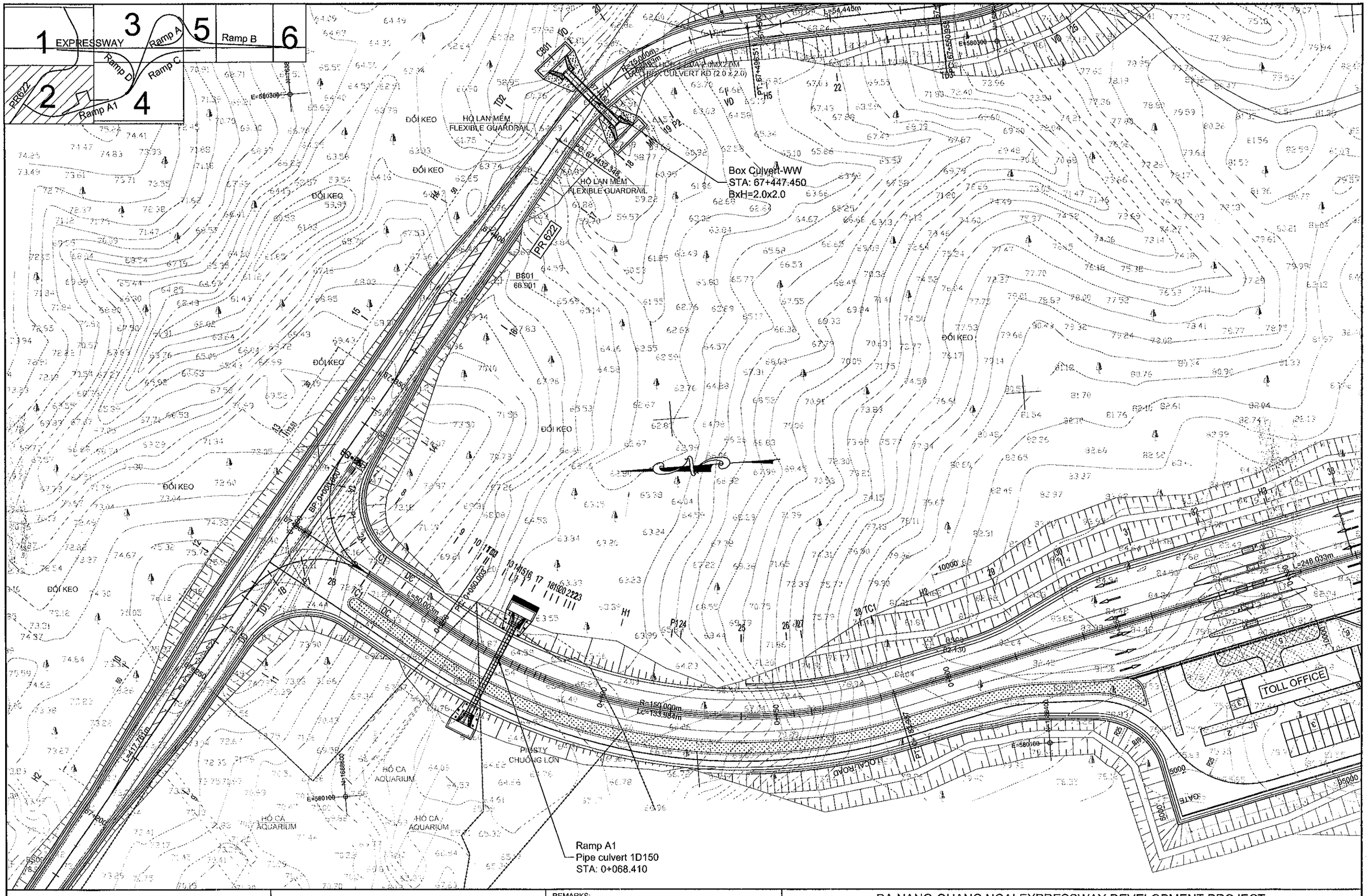
	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF BINH SON INTERCHANGE-PHASE 2 MẶT BẰNG NÚT GIAO BÌNH SƠN-GIAI ĐOẠN 2		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/3000	PKGA4-IC1-PP-010	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGAU07 BINH SON IC KM111+970-112+920\TRUMPET TYPE\02.KEY PLAN&PLAN-BINH SON IC-PHASE 2.121003.DWG - SHEET: PLAN-TK - JAN 15, 2013



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT					
				Package:	Station:				
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF BINH SON INTERCHANGE-PHASE 2 (1/6) MẶT BẰNG NÚT GIAO BÌNH SƠN-GIAI ĐOẠN 2 (1/6)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO		
				SIGNATURE				SCALE: 1/1000	DRAWING NO.: PKGA4-IC1-PP-020
				DATE					REV. NO.: 3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\07 BINH SON IC KM111+970-112+920\TRUMPET TYPE\02.KEY PLAN\PLAN-BINH SON IC-PHASE 2.12\103.DWG - SHEET: PLAN 1K - JAN 15, 2013



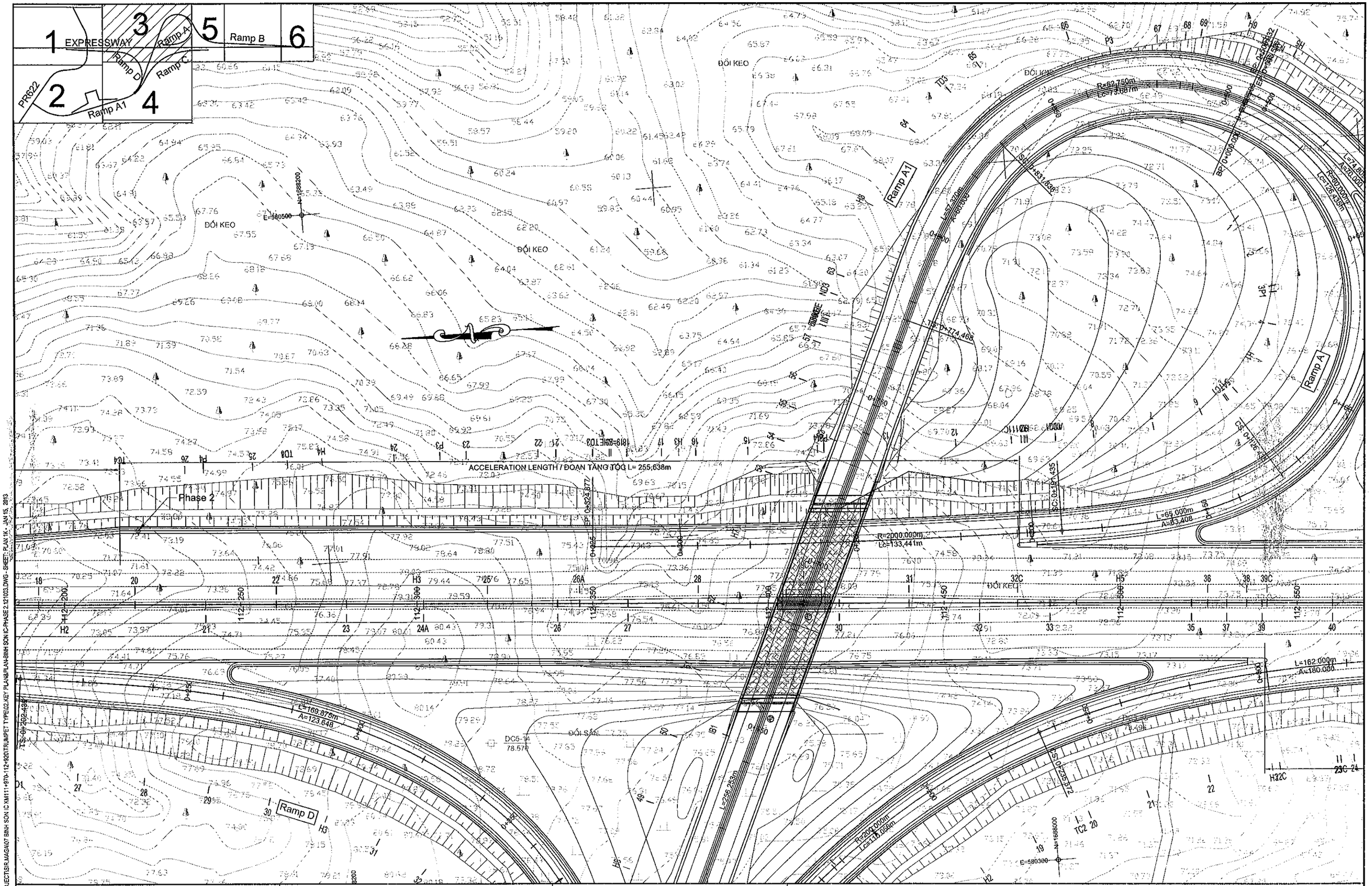
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF BINH SON INTERCHANGE-PHASE 2 (2/6) MẶT BẰNG NÚT GIAO BÌNH SƠN-GIAI ĐOẠN 2 (2/6)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/1000	PKGA4-IC1-PP-020	3

PATH: D:_02.CAD\BERDON-QN PROJECT\SIR.JAGA\07 BINH SON IC KM111+970-112+920\TRUNK\PET TYPE\02.KEY PLAN&P.JANBINH SON IC-PHASE 2.12.DWG - SHEET: PLAN 1K - JAN 15, 2013



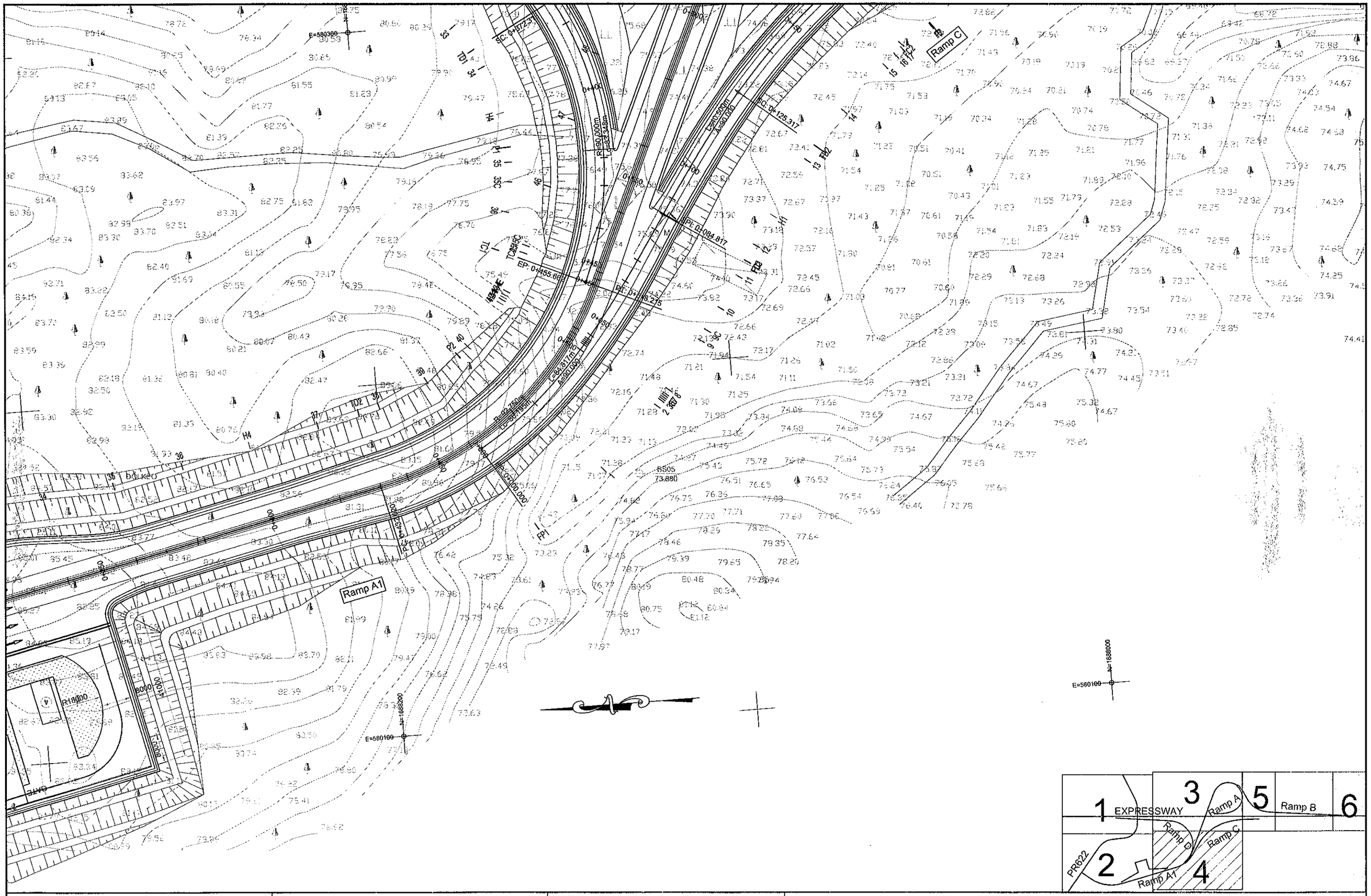
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF BINH SON INTERCHANGE-PHASE 2 (3/6) MẶT BẰNG NÚT GIAO BÌNH SƠN-GIAI ĐOẠN 2 (3/6)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/1000	PKGA4-IC1-PP-040	3

PATH - D:_02.CAREER\DN-QN PROJECTS\IR.MAGA\07 BINH SON IC NM111-970-112-4920\TRUMPET TYPE\02.KEY PLAN&PLAN-BINH SON IC-PHASE 2.121003.DWG - SHEET: PLAN 1/K - JAN 15, 2013



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

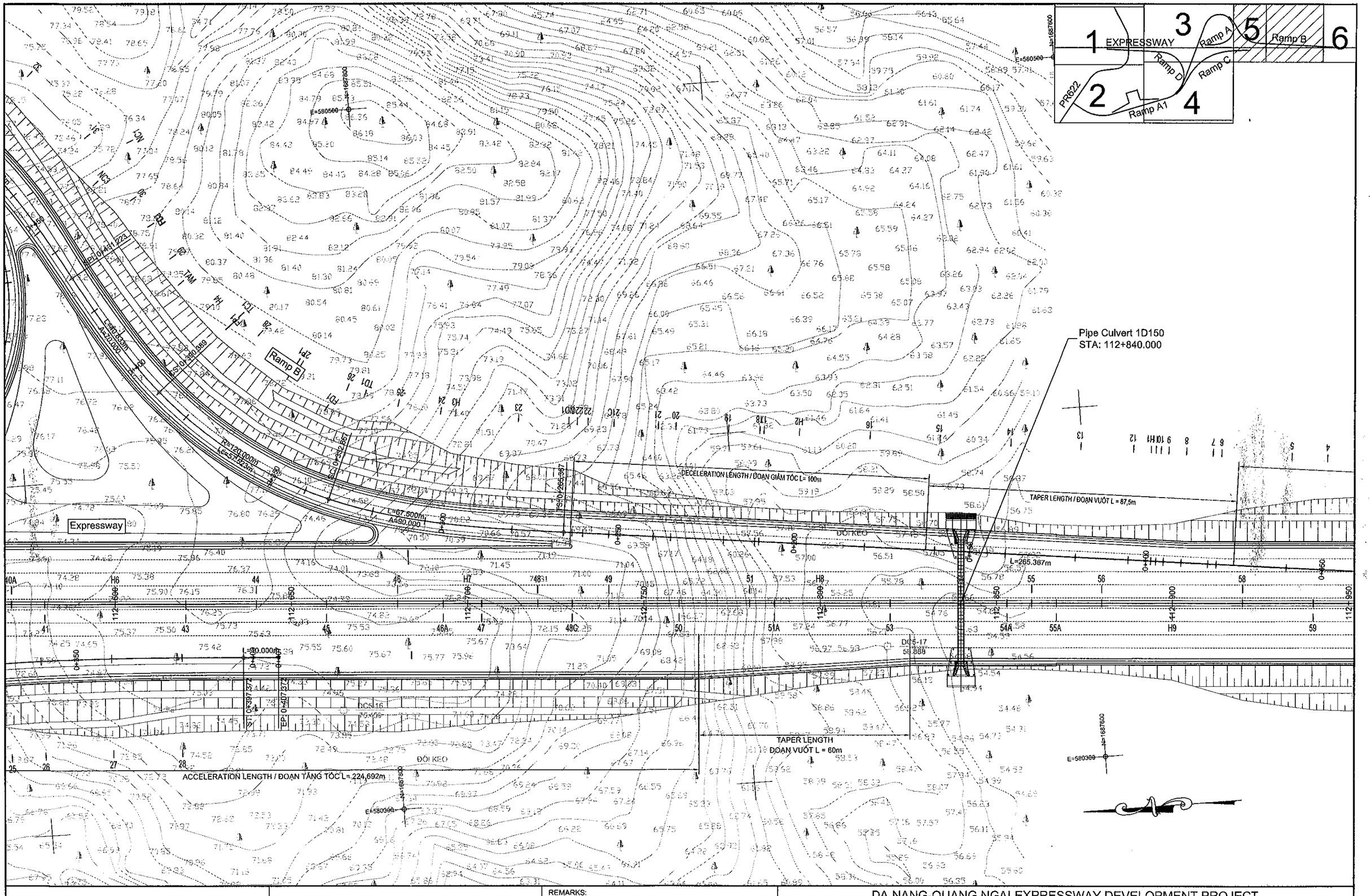
Package: Station:

PLAN OF BINH SON INTERCHANGE-PHASE 2 (4/6)

MẶT BẰNG NÚT GIAO BÌNH SƠN-GIAI ĐOẠN 2 (4/6)

	PREPARED BY	CHECKED BY	APPROVED BY	SCALE	DRAWING NO.	REV. NO.
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	1/1000	PKGA4-IC1-PP-050	3
SIGNATURE						
DATE						

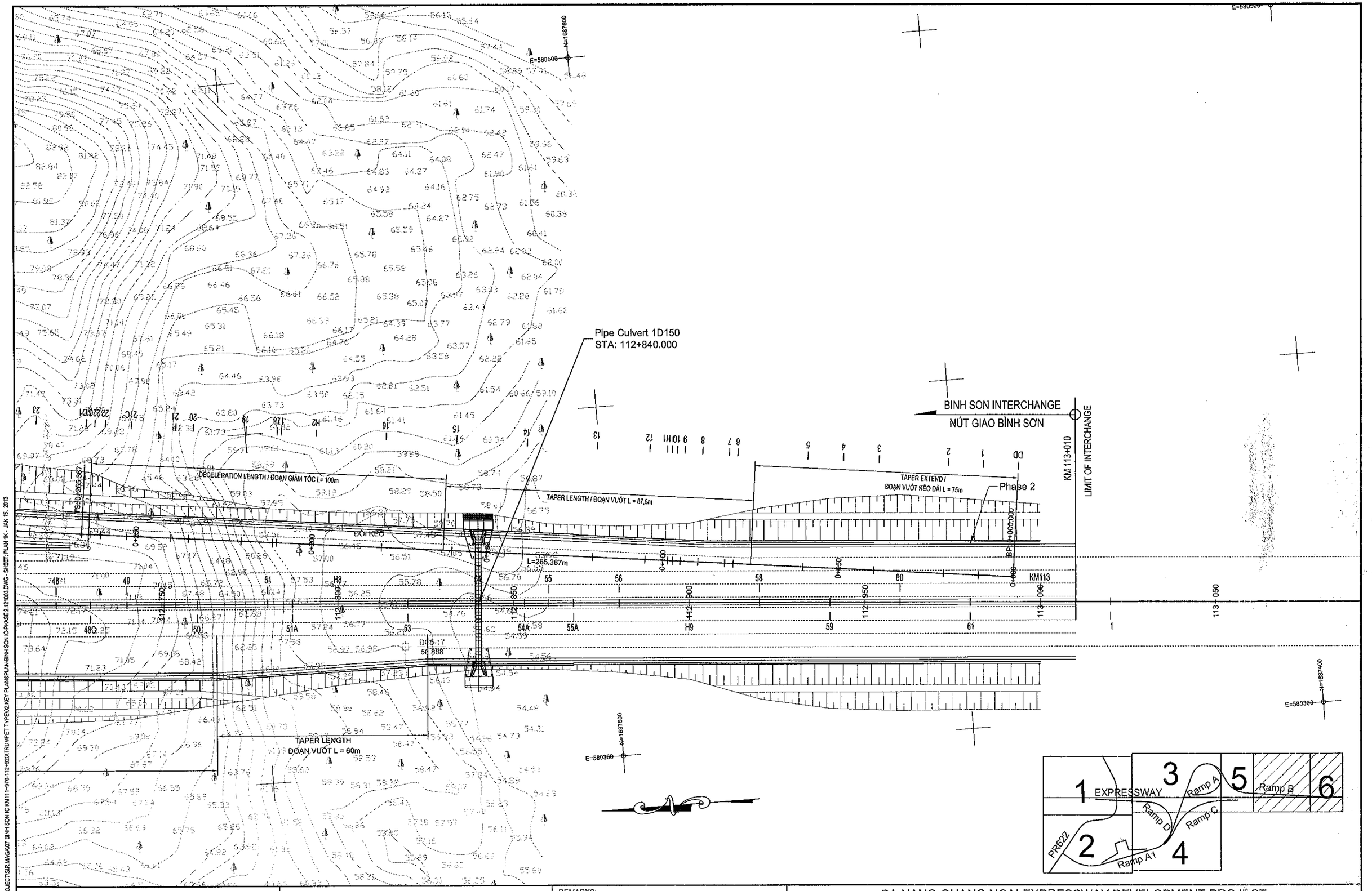
PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\07 BINH SON IC.MX111+970-112+920\TRUMPET TYPE\02.KEY PLAN\PLAN-BINH SON IC-PHASE 2.121003.DWG - SHEET: PLAN 1K - JAN 15, 2013



MINISTRY OF TRANSPORT VIETNAM	ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: Station:
CLIENT: VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT CONSULTANT: PROJECT MANAGEMENT UNIT NO.85	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	PLAN OF BINH SON INTERCHANGE-PHASE 2 (5/6) MẶT BẰNG NÚT GIAO BÌNH SƠN-GIAI ĐOẠN 2 (5/6)

	PREPARED BY	CHECKED BY	APPROVED BY	SCALE	DRAWING NO.	REV. NO.
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				1/1000	PKGA4-IC1-PP-060	3
DATE						

PATH= D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\07 BINH SON IC KM111+970-112+920\TRUMPET TYPE\02.KEY PLAN\PLAN-BINH SON IC-PHASE 2.12\03D.DWG - SHEET: PLAN 1K - JAN 15, 2013



PATH - D1_02.CURREION-QN PROJECT\SIR.MAGA\07 BINH SON IC KM111+970-112+920\TRUMPET TYPE\02.KEY PLAN\PLAN-BINH SON IC-PHASE 2.12100.DWG - SHEET: PLAN 1K - JAN 15, 2013

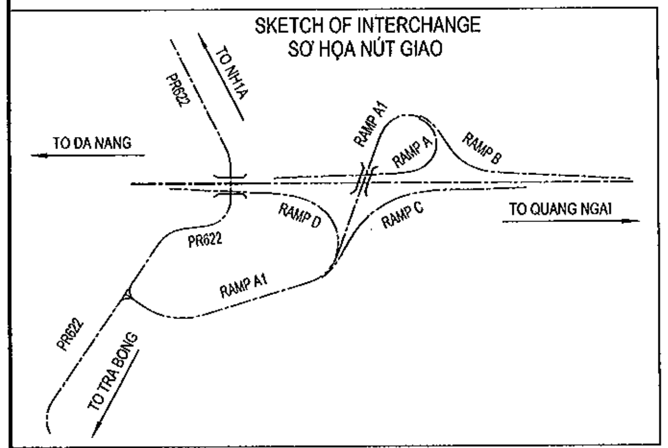
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

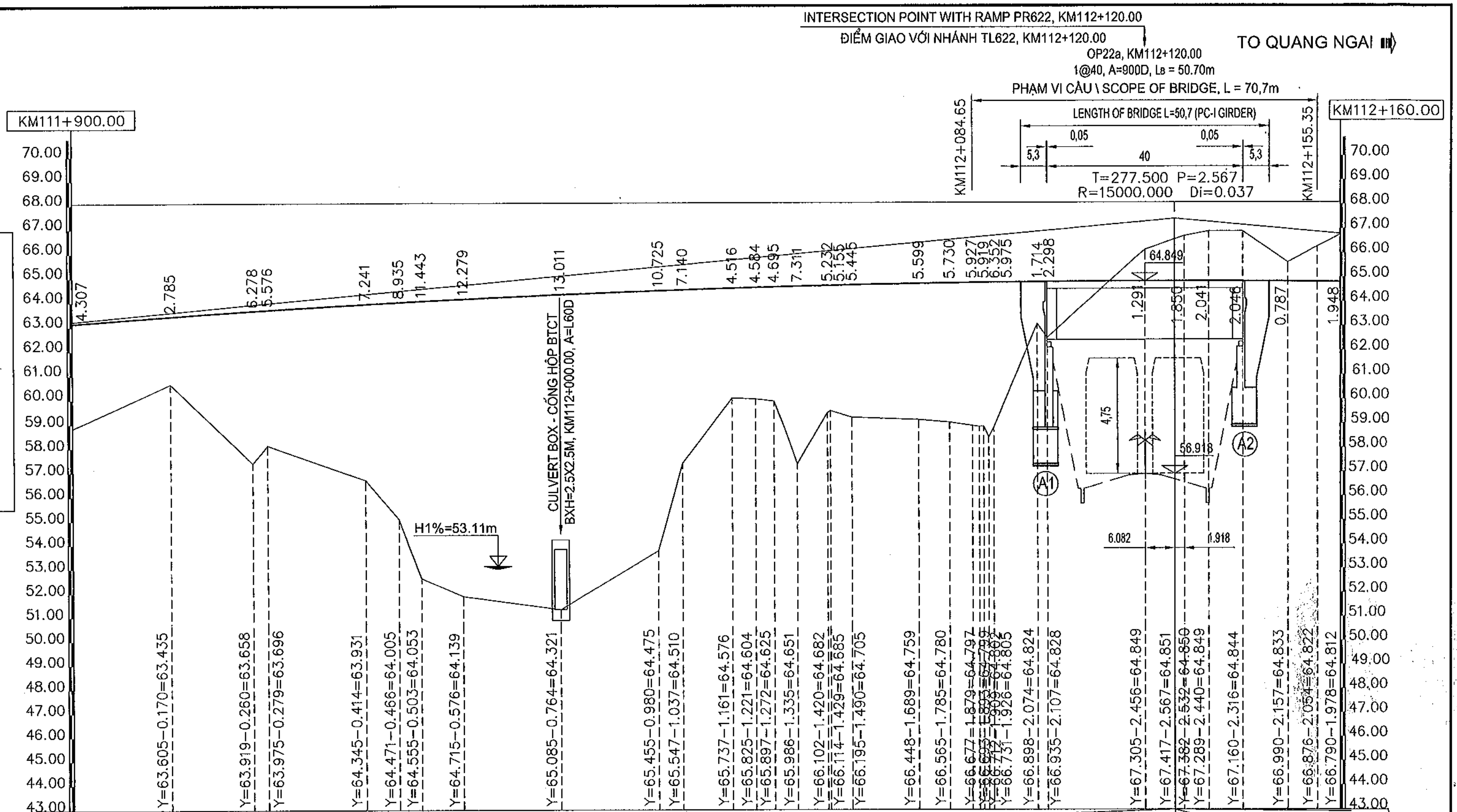
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF BINH SON INTERCHANGE-PHASE 2 (6/6) MẶT BẰNG NÚT GIAO BÌNH SƠN-GIAI ĐOẠN 2 (6/6)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/1000	PKGA4-IC1-PP-020	3

⟨ TO DA NANG — TO QUANG NGAI ⟩





S
1:200
1:1000

VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ: 1.850% — 226.082; 1.850% — 853.918

STATION / LÝ TRÌNH CỌC	FINISHED GRADE / CAO ĐỘ THIẾT KẾ	EXISTING GROUND / CAO ĐỘ THIÊN NHIÊN
111900.00	63.147	58.84
111920.00	63.435	60.65
111936.95	63.658	57.38
111940.00	63.696	58.12
111960.00	63.931	56.69
111966.80	64.005	55.07
111971.36	64.053	52.61
111980.00	64.139	51.86
112000.00	64.321	51.31
112020.00	64.475	53.75
112025.00	64.510	57.37
112035.24	64.576	60.06
112040.00	64.604	60.02
112043.89	64.625	59.93
112048.72	64.651	57.34
112055.00	64.682	59.45
112055.60	64.685	59.53
112060.00	64.705	59.26
112073.65	64.759	59.16
112080.00	64.780	59.05
112084.65	64.797	58.91
[illegible]	[illegible]	[illegible]
[illegible]	64.799	[illegible]
112087.92	64.802	[illegible]
112088.98	64.805	58.83
112098.00	64.824	63.11
112100.00	64.828	62.53
112120.00	64.849	66.14
112128.00	64.850	66.70
112133.00	64.849	66.89
112140.00	64.844	66.89
112149.20	64.833	65.62
112155.35	64.822	66.27
112160.00	64.812	66.76

STAKE NAME / TÊN CỌC: H9, 50, 50A, 51, 52, 52A, 52B, 53, KM112, 1, 1A, 2, 2A, 3, 4, 4A, 5, 5A, 6, 7, 0PA, 8, 9, 10, 11, 11A, H1, 13, 13A, 14, 15, 15A, 0PB, 16

HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG: L=1100.000m

SUPERELEVATION / SIÊU CAO: 111+900.00 −2.000%; 112+000.00 −2.000%; −2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: A4 Station: Km110+100 - Km124+700			
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
				SIGNATURE	for [signature]	[signature]	[signature]
				DATE			

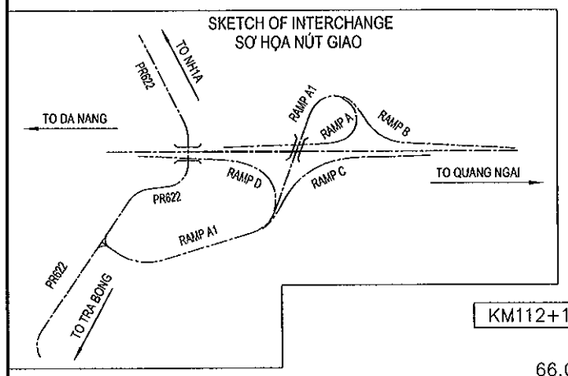
PROFILE OF DN.QN EXW - BINH SON INTERCHANGE (1/4)
TRẮC DỌC ĐCT ĐN.QN - NÚT GIAO BÌNH SƠN (1/4)

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-IC1-PP- 080	3

TO DA NANG

TO QUANG NGAI

SKETCH OF INTERCHANGE
SƠ HỌA NÚT GIAO



BEGIN POINT OF RAM D KM112+173.08
ĐIỂM ĐẦU NHÁNH D KM112+173.08

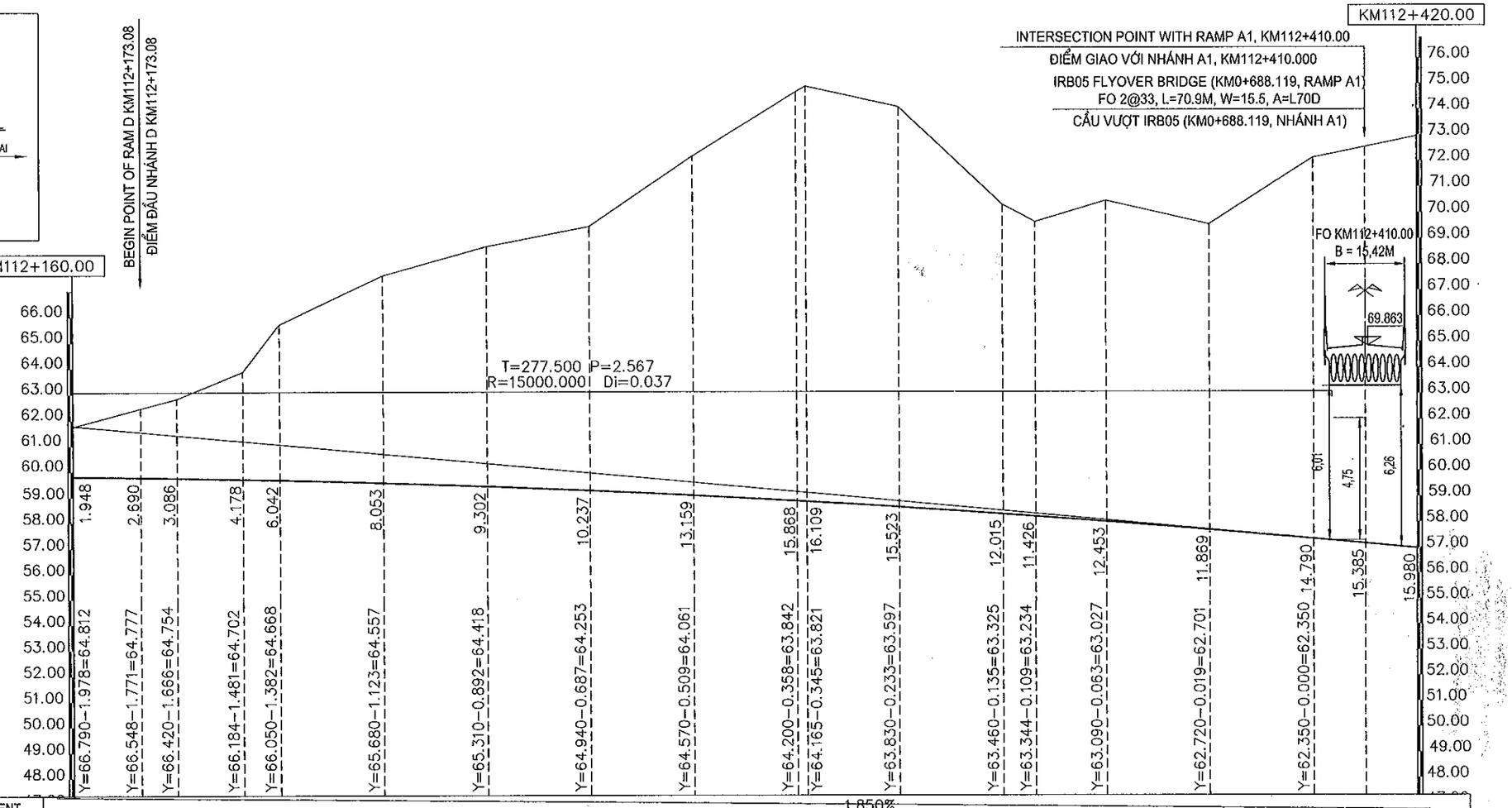
KM112+160.00

KM112+420.00

INTERSECTION POINT WITH RAMP A1, KM112+410.00
ĐIỂM GIAO VỚI NHÁNH A1, KM112+410.000
IRB05 FLYOVER BRIDGE (KM0+688.119, RAMP A1)
FO 2@33, L=70.9M, W=15.5, A=L70D
CẦU VƯỢT IRB05 (KM0+688.119, NHÁNH A1)

FO KM112+410.00
B = 15.42M

T=277.500 P=2.567
R=15000.000 Di=0.037



S 1:200
1:1000

VERTICAL ALIGNMENT ĐỘ DỐC THIẾT KẾ	1.850% / 853.918
FINISHED GRADE CAO ĐỘ THIẾT KẾ	64.812 64.777 64.754 64.702 64.668 64.557 64.418 64.253 64.061 63.842 63.821 63.597 63.325 63.234 63.027 62.701 62.350 62.165 61.980
EXISTING GROUND CAO ĐỘ THIÊN NHIÊN	66.76 67.47 67.84 68.88 70.71 72.61 73.72 74.49 77.22 79.71 79.93 79.12 75.34 74.66 75.48 74.57 77.14 77.55 77.96
STATION LÝ TRÌNH CỌC	112160.00 112173.08 112180.00 112192.78 112200.00 112220.00 112240.00 112260.00 112280.00 112300.00 112301.87 112320.00 112340.00 112346.29 112360.00 112380.00 112400.00 112410.00 112420.00
STAKE NAME TÊN CỌC	B 16C 18 20 22 H3 25 26A 28 29C 16 17 H2 21 23 24A 26 27 H4 30
HORIZONTAL ALIGNMENT ĐƯỜNG THẲNG - ĐƯỜNG CONG	L=1100.000m
SUPERELEVATION SIÊU CAO	−2.000% −2.000%

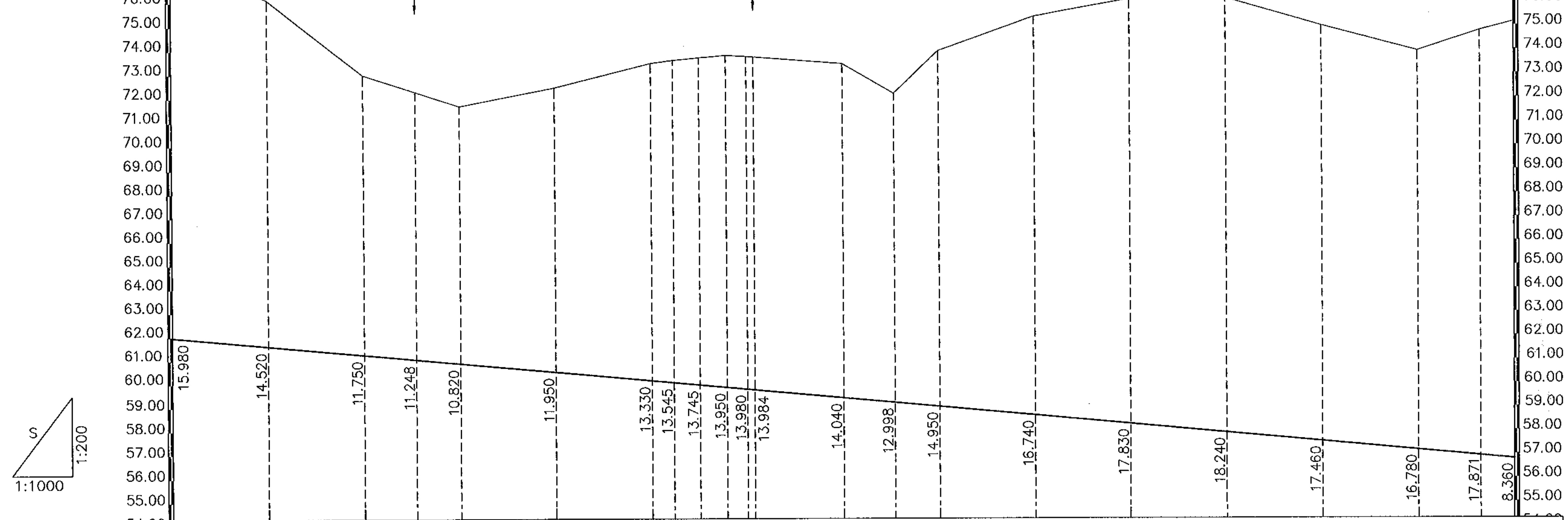
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

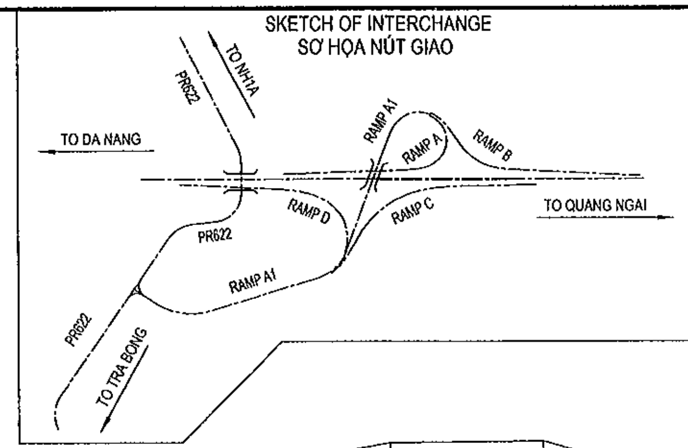
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PROFILE OF DN.QN EXW - BINH SON INTERCHANGE (2/4)
TRẮC DỌC ĐCT ĐN.QN - NÚT GIAO BÌNH SƠN (2/4)

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-IC1-PP- 090	3





VERTICAL ALIGNMENT ĐỘ DỐC THIẾT KẾ	1.850% 853.918																					
FINISHED GRADE CAO ĐỘ THIẾT KẾ	61.980	61.610	61.240	61.040	60.870	60.500	60.130	60.045	59.945	59.840	59.760	59.733	59.390	59.192	59.020	58.650	58.280	57.910	57.540	57.170	56.929	56.800
EXISTING GROUND CAO ĐỘ THIÊN NHIÊN	77.96	76.13	72.99	72.29	71.69	72.45	73.46	73.59	73.69	73.79	73.74	73.72	73.43	72.19	73.97	75.39	76.11	76.15	75.00	73.95	74.80	75.16
STATION LÝ TRÌNH CỌC	112420.00	112440.00	112460.00	112470.80	112480.00	112500.00	112520.00	112524.59	112530.00	112535.67	112540.00	112541.49	112560.00	112570.68	112580.00	112600.00	112620.00	112640.00	112660.00	112680.00	112693.00	112700.00
STAKE NAME TÊN CỌC	30	31	32	32C	33	H5	35	36	37	38	39	39C	40	40A	41	H6	43	44	45	46	46A	H7
HORIZONTAL ALIGNMENT ĐƯỜNG THẲNG - ĐƯỜNG CONG	L=1100.000m																					
SUPERELEVATION SIÊU CAO	-2.000%																					-2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

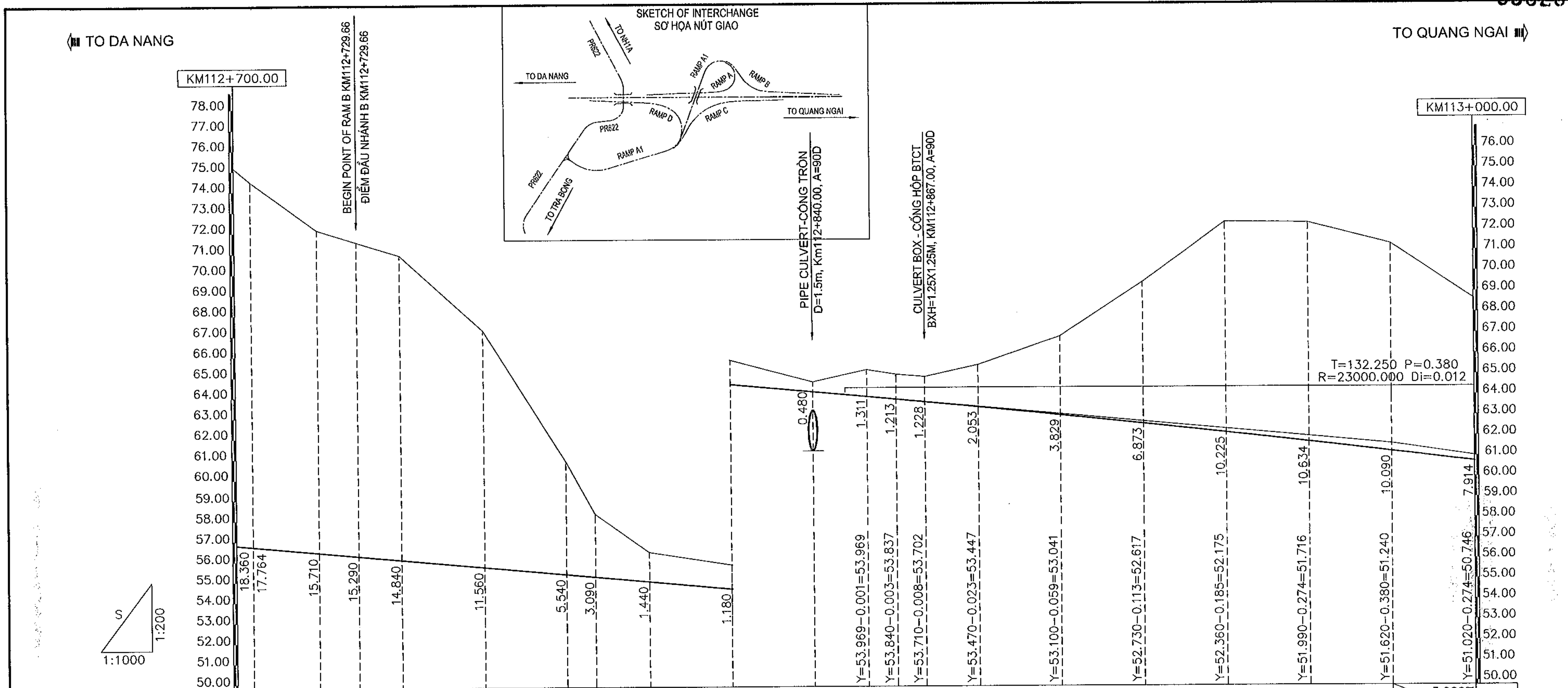
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: A4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PROFILE OF ĐN.QN EXW - BINH SON INTERCHANGE (3/4)
TRẮC DỌC ĐCT ĐN.QN - NÚT GIAO BÌNH SƠN (3/4)

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-IC1-PP- 100	3



VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ: 1.850%, 853.918; 3.000%, 20.000

STATION / LÝ TRÌNH CỌC	STAKE NAME / TÊN CỌC	FINISHED GRADE / CAO ĐỘ THIẾT KẾ	EXISTING GROUND / CAO ĐỘ THIÊN NHIÊN
112700.00	H7	56.800	75.16
112704.00	47	56.726	74.49
112720.00	48	56.430	72.14
112729.66	48C	56.251	71.54
112740.00	49	56.060	70.90
112760.00	50	55.690	67.25
112780.00	51	55.320	60.86
112787.00	51A	55.190	58.28
112800.00	H8	54.950	56.39
112820.00	53	54.580	55.76
112840.00	54	54.210	54.69
112853.00	54A	53.969	55.28
112860.00	55	53.837	55.05
112867.00	55A	53.702	54.93
112880.00	56	53.447	55.50
112900.00	H9	53.041	56.87
112920.00	58	52.617	59.49
112940.00	59	52.175	62.40
112960.00	60	51.716	62.35
112980.00	61	51.240	61.33
113000.00	KM113	50.746	58.66

HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG: L=1100.000m

SUPERELEVATION / SIÊU CAO: -2.000%; 113+000.00; -2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

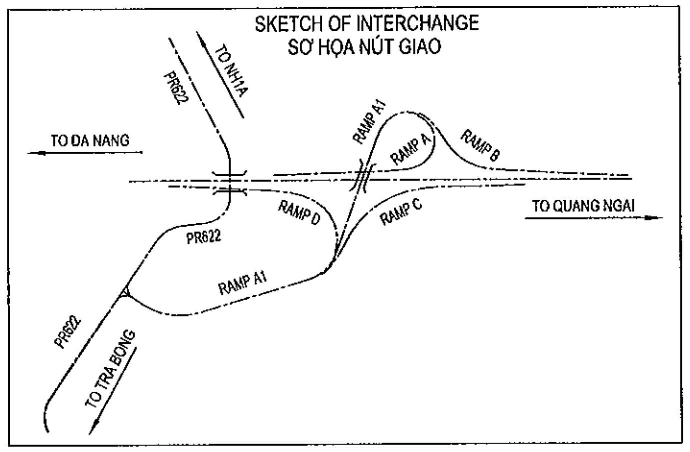
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE	(signed)	(signed)	(signed)
DATE			

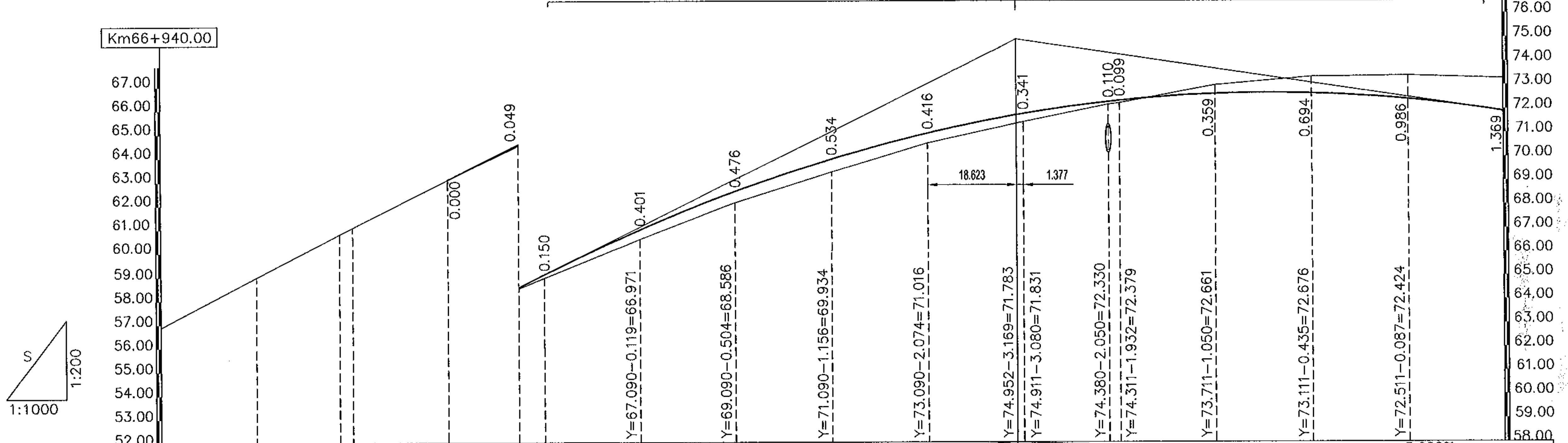
PROFILE OF DN.QN EXW - BINH SON INTERCHANGE (4/4)
TRẮC DỌC ĐCT ĐN.QN - NÚT GIAO BÌNH SƠN (4/4)

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-IC1-PP- 110	3

⇦ TRA BONG

TO NH1A ⇨

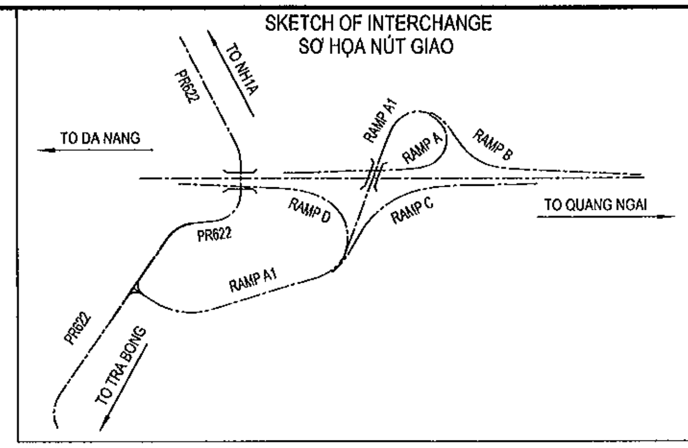


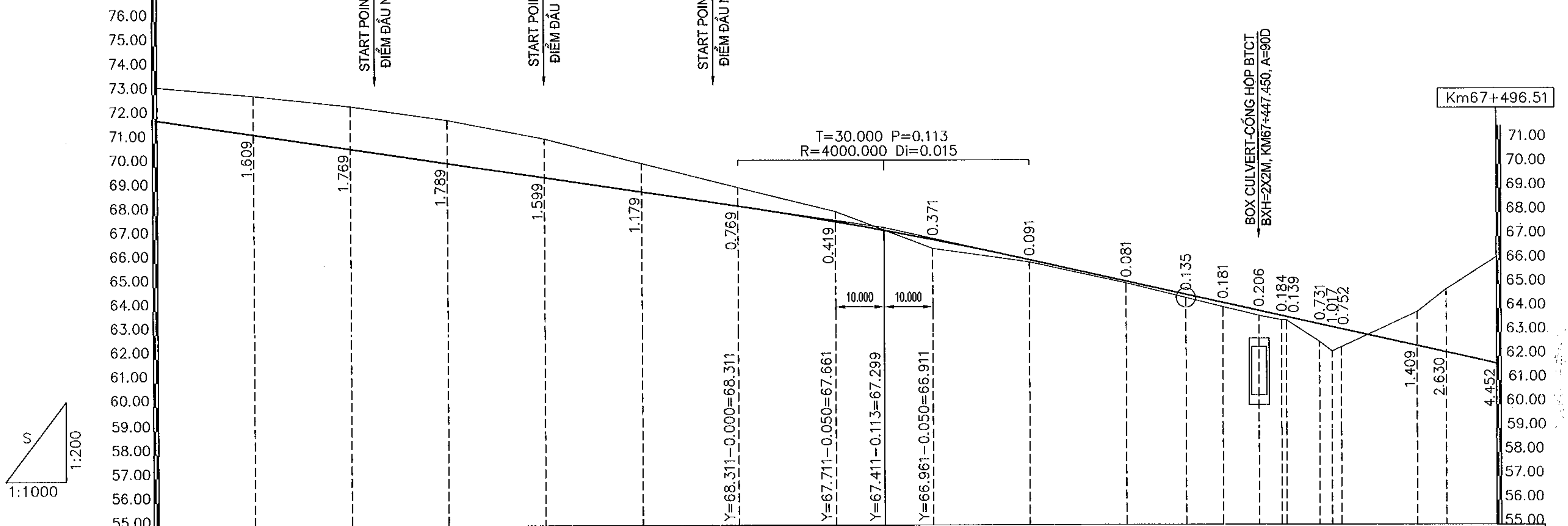


VERTICAL ALIGNMENT ĐỘ DỐC THIẾT KẾ				10.000% 118.623							3.000% 251.377				
FINISHED GRADE CAO ĐỘ THIẾT KẾ				63.090	64.549 65.090	66.971	68.586	69.934	71.016	71.831	72.330 72.379	72.661	72.676	72.424	71.911
EXISTING GROUND CAO ĐỘ THIÊN NHIÊN	56.88	58.99	60.80 61.08	63.09	64.50 64.94	66.57	68.11	69.40	70.60	71.49	72.22 72.28	73.02	73.37	73.41	73.28
STATION LÝ TRÌNH CỌC	66940.00	66960.00	66977.29 66980.00	67000.00	67014.59 67020.00	67040.00	67060.00	67080.00	67100.00	67120.00	67137.70 67140.00	67160.00	67180.00	67200.00	67220.00
STAKE NAME TÊN CỌC	TD1	1	P1 2	KM67	TC1 1	2	3	4	H1	5	CP01 6	7	8	H2	9
HORIZONTAL ALIGNMENT ĐƯỜNG THẲNG - ĐƯỜNG CONG			L=74.587m R=70.000m								L=417.761m				
SUPERELEVATION SIÊU CAO				5.000% 66+999.59 −5.000%		67+029.59 −2.000%								−2.000%	

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: A4 Station: Km110+100 - Km124+700	
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodal Co., Ltd. Thai Engineering Consultants Co., Ltd.			
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85				

	PREPARED BY	CHECKED BY	APPROVED BY	PROFILE OF RAMP PR622 - BINH SON INTERCHANGE (1/4) TRẮC DỌC NHÁNH TL622 - NÚT GIAO BÌNH SƠN (1/4)		
NAME	M.X.NGOC	T.NAGAI	I.ISHIMOTO	SCALE	DRAWING NO.	REV. NO.
SIGNATURE	[signature]	[signature]	[signature]	H = 1/1000; V = 1/200	PKGA4-IC1-PP- 120	3
DATE						





VERTICAL ALIGNMENT ĐỘ DỐC THIẾT KẾ	3.000% 251.377	4.500% 224.650

FINISHED GRADE CAO ĐỘ THIẾT KẾ	EXISTING GROUND CAO ĐỘ THIÊN NHIÊN	STATION LÝ TRÌNH CỌC	STAKE NAME TÊN CỌC
71.911	73.28	67220.00	9
71.311	72.92	67240.00	10
70.711	72.48	67260.00	11
70.111	71.90	67280.00	12
69.511	71.11	67300.00	H3
68.911	70.09	67320.00	13
68.311	69.08	67340.00	14
67.661	68.08	67360.00	15
66.911	66.54	67380.00	16
66.061	65.97	67400.00	H4
65.161	65.08	67420.00	17
64.605	64.47	67432.35	TD2
64.261	64.08	67440.00	18
63.926	63.72	67447.45	CB01
63.714	63.53	67452.15	MN
63.669	63.53	67453.16	VD
63.361	62.63	67460.00	19
63.247	62.23	67462.54	20
63.162	62.41	67464.43	P2
62.461	63.87	67480.00	21
62.190	64.82	67486.03	VD
61.718	66.17	67496.51	TC2 I

HORIZONTAL ALIGNMENT ĐƯỜNG THẲNG - ĐƯỜNG CONG	L=417.761m	L=64.163m R=75.000m
SUPERELEVATION SIÊU CAO	−2.000% 67+417.35 −2.000%	5.000% 67+447.35 −5.000%; 5.000% 67+481.51 −5.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

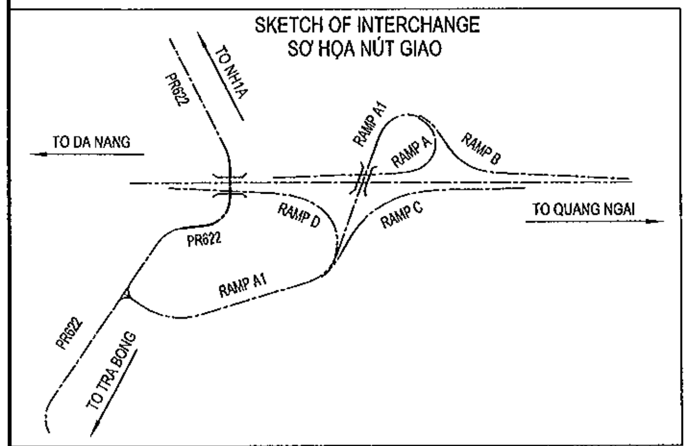
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

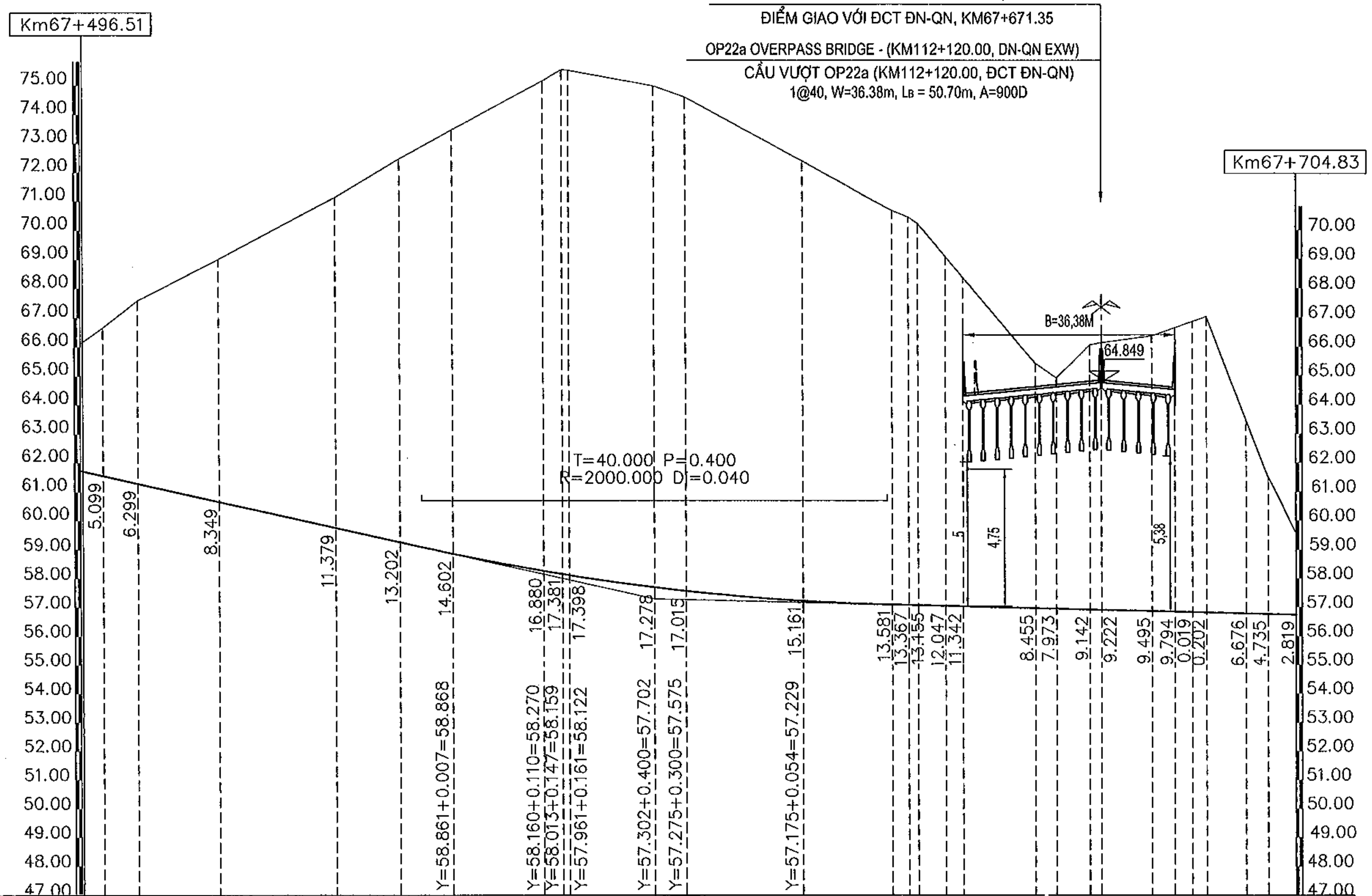
PROFILE OF RAMP PR622 - BINH SON INTERCHANGE (2/4)
TRẮC DỌC NHÁNH TL622 - NÚT GIAO BÌNH SƠN (2/4)

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-IC1-PP- 130	3

TRA BONG

TO NH1A





VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ	
4.500%	224.650
0.500%	232.349

STATION / LÝ TRÌNH CỌC	FINISHED GRADE / CAO ĐỘ THIẾT KẾ	EXISTING GROUND / CAO ĐỘ THIÊN NHIÊN	STAKE NAME / TÊN CỌC
67496.51	61.718	66.17	TC2
67500.00	61.561	66.66	H5
67505.99	61.291	67.59	VD
67520.00	60.661	69.01	22
67540.00	59.761	71.14	23
67550.96	59.268	72.47	TD3
67560.00	58.868	73.47	24
67575.57	58.270	75.15	VD
67578.85	58.159	75.54	VD
67580.00	58.122	75.52	25
67594.65	57.702	74.98	P3
67600.00	57.575	74.59	H6
67620.00	57.229	72.39	26
67635.47	57.098	70.68	26C
67638.34	57.083	70.45	TC3
67640.00	57.075	70.23	27
67644.72	57.051	69.10	27C
67647.71	57.036	68.38	27D
67660.00	56.975	65.43	28
67663.67	56.957	64.93	KHE
67669.36	56.928	66.07	28A
67671.35	56.918	66.14	TGIAO
67680.00	56.875	66.37	29
67683.99	56.855	66.65	29B
67687.00	56.840	66.86	29C
67689.44	56.828	67.03	30
67696.25	56.794	63.47	30C
67700.00	56.775	61.51	H7
67704.83	56.751	59.57	TD4
[illegible]	[illegible]	[illegible]	3

HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG		
L=54.445m	L=87.389m R=60.000m	L=66.491m

SUPERELEVATION / SIÊU CAO					
67+511.51	67+533.46	67+568.46	67+620.84	67+655.84	67+694.83
-2.000%	-2.000%	6.000% / -6.000%	6.000% / -6.000%	-2.000%	-2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

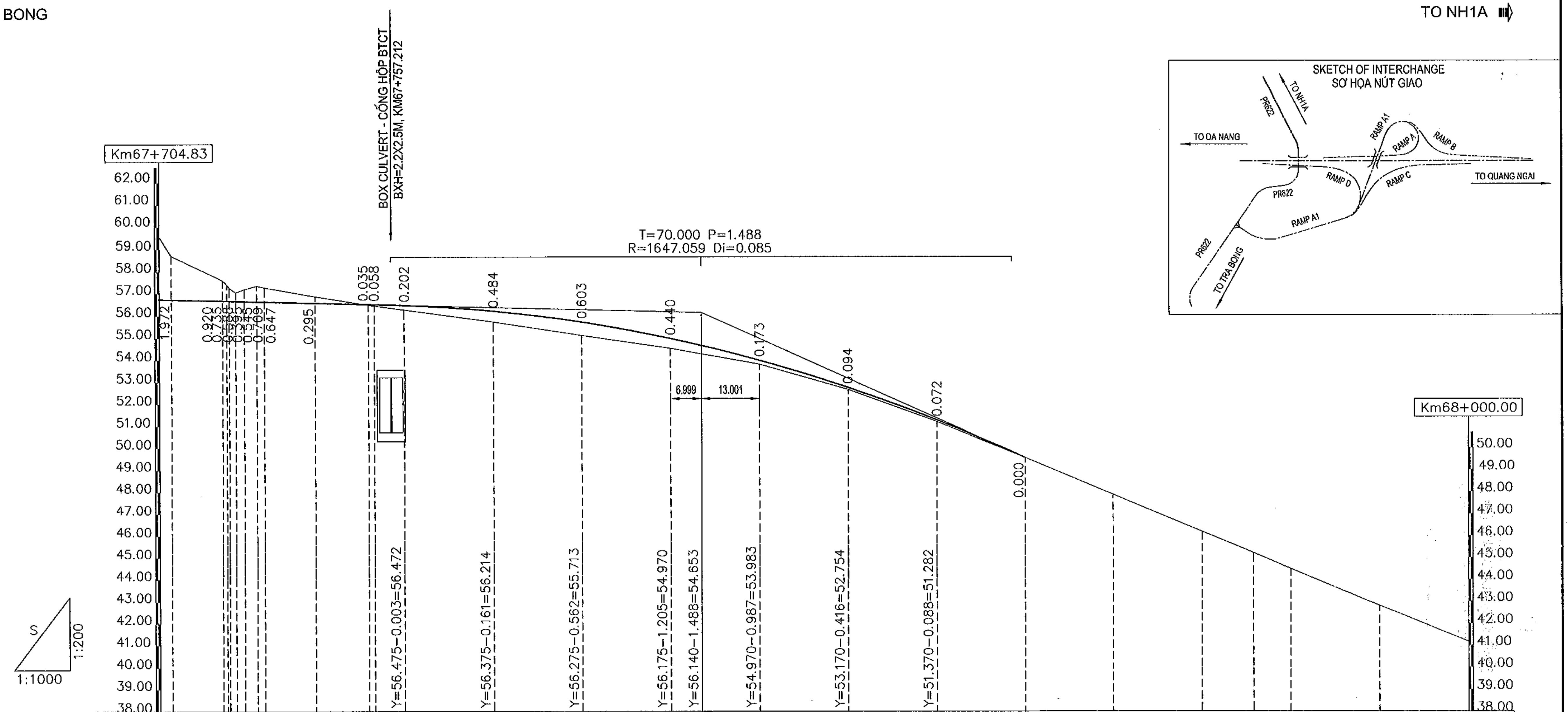
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PROFILE OF RAMP PR622 - BINH SON INTERCHANGE (3/4)
TRẮC DỌC NHÁNH TL622 - NÚT GIAO BÌNH SƠN (3/4)

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-IC1-PP- 140	3

(◀ TRA BONG TO NH1A ▶)



VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ: 0.500% — 232.349; 9.000% — 73.001

STAKE NAME / TÊN CỌC	STATION / LÝ TRÌNH CỌC	FINISHED GRADE / CAO ĐỘ THIẾT KẾ	EXISTING GROUND / CAO ĐỘ THIÊN NHIÊN
TD4	67704.83	56.751	59.57
31	67707.51	56.738	58.71
32	67719.05	56.680	57.60
33	67720.00	56.675	57.41
RA	67720.55	56.672	57.26
RA	[illegible]	56.665	[illegible]
VD	[illegible]	56.655	57.20
MN	[illegible]	56.641	[illegible]
P4	67728.46	56.633	57.28
34	67740.00	56.575	56.87
TC4	67752.08	56.515	56.48
CB02	67753.35	56.508	56.45
35	67760.00	56.472	56.27
36	67780.00	56.214	55.73
H8	67800.00	55.713	55.11
37	67820.00	54.970	54.53
38	67840.00	53.983	53.81
39	67860.00	52.754	52.66
40	67880.00	51.282	51.21
H9	67900.00	49.570	49.57
41	67920.00		47.89
42	67940.00		46.19
CP02	67951.60		45.22
43	67960.00		44.49
44	67980.00		42.81
KM68	68000.00		41.16

HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG: L=47.240m, R=100.000m; L=265.200m

SUPERELEVATION / SIÊU CAO: 3.000% / −3.000% (67+714.83); 3.000% / −3.000% (67+742.07); −2.000% (67+762.08); −2.000% (67+900.00)

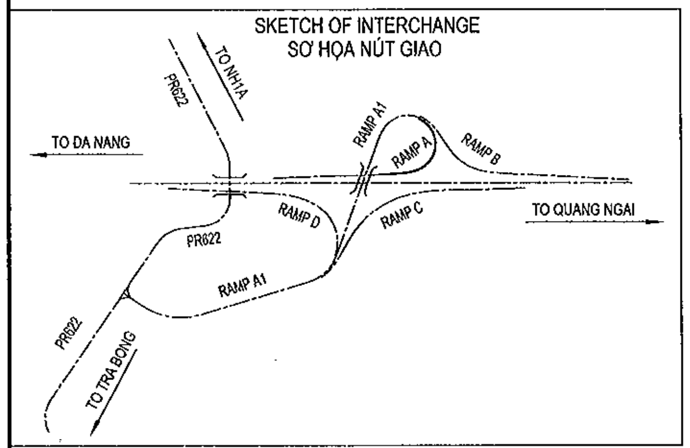
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: A4 Station: Km110+100 - Km124+700
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.		
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			

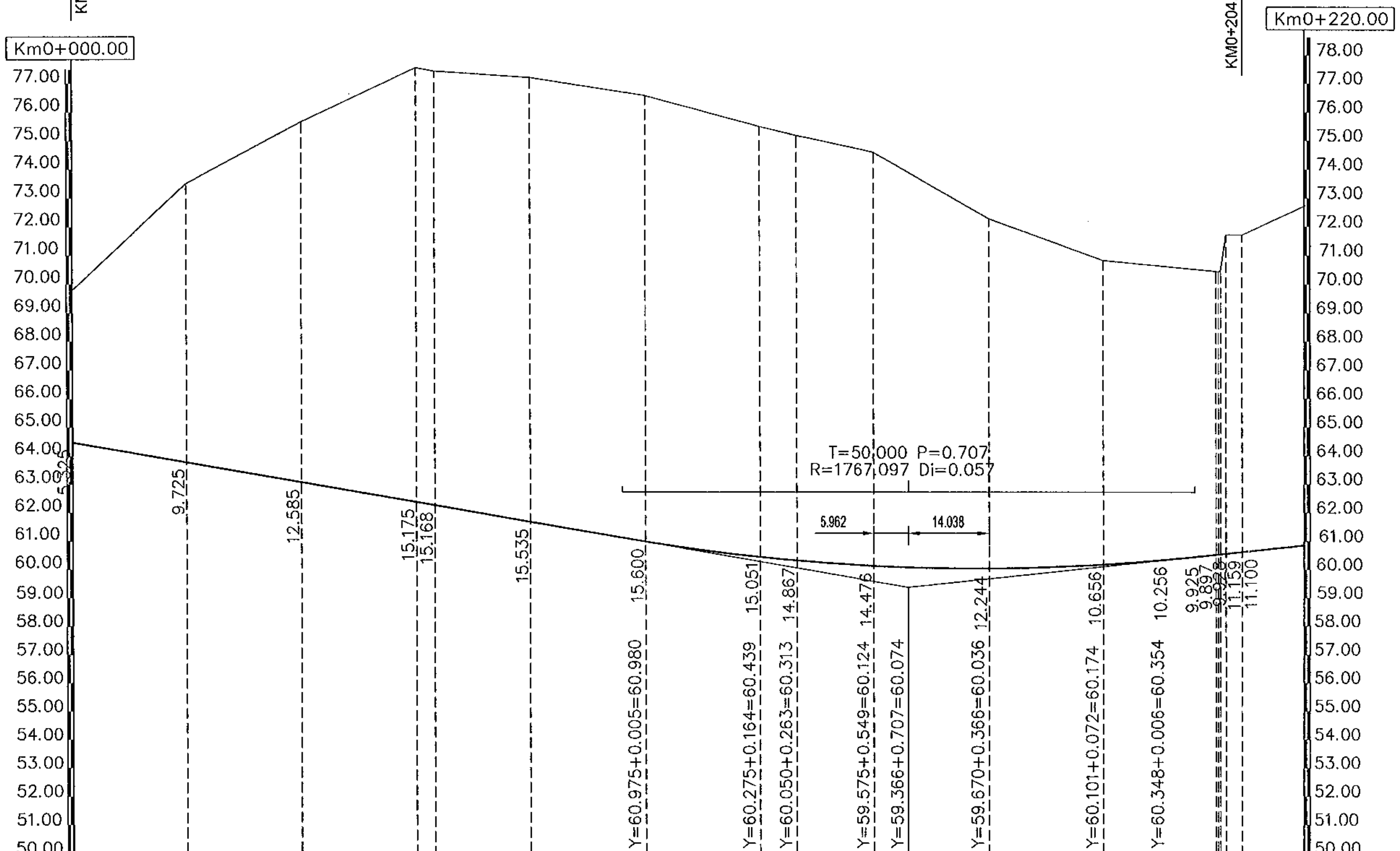
	PREPARED BY	CHECKED BY	APPROVED BY	PROFILE OF RAMP PR622 - BINH SON INTERCHANGE (4/4) TRẮC DỌC NHÁNH TL622 - NÚT GIAO BÌNH SƠN (4/4)		
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO	SCALE	DRAWING NO.	REV. NO.
SIGNATURE	(signed)	(signed)	(signed)	H = 1/1000; V = 1/200	PKGA4-IC1-PP- 150	3
DATE						

TO PR622 | TO DA NANG

RAMP A1 AREA / PHẠM VI NHÁNH A1 | KM0+000.00 | RAMP A AREA / PHẠM VI NHÁNH A

RAMP A AREA / PHẠM VI NHÁNH A | KM0+204.04 | DN-QN EXPRESSWAY AREA / PHẠM VI ĐCT ĐN-QN





VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ	3.500% 145.957										2.159% 68.893								
FINISHED GRADE / CAO ĐỘ THIẾT KẾ	64.475	63.775	63.075	62.375	62.262	61.675	60.980	60.439	60.313	60.124	60.036	60.174	60.354	60.525	60.533	60.542	60.561	60.620	60.854
EXISTING GROUND / CAO ĐỘ THIÊN NHIÊN	69.80	73.50	75.66	77.55	77.43	77.21	76.58	75.49	75.18	74.60	72.28	70.83	70.61	70.45	70.43	70.47	71.72	71.72	72.72
STATION / LÝ TRÌNH CỌC	0.00	20.00	40.00	60.00	63.22	80.00	100.00	120.00	126.44	140.00	160.00	180.00	191.44	199.60	200.00	200.40	201.30	204.04	216.86
STAKE NAME / TÊN CỌC	TD1	1	2	3	P1	4	H1	5	TC1	6	7	8	TD2	H2 11 / 9 10 11C					12C
HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG	L=126.435m R=60.000m									A=63.408 Lr=65.000m			L=133.441m R=2000.000m						
SUPERELEVATION / SIÊU CAO	6.000% 0+000.00 −6.000%								6.000% 0+126.44 −6.000%				2.000% 0+191.44 −2.000%						2.000% 0+216.86 −2.000%

MINISTRY OF TRANSPORT VIETNAM

CLIENT	PROJECT MANAGEMENT CONSULTANT
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85

ENGINEERING DESIGN CONSULTANT

The Joint Venture of
Nippon Koei Co., Ltd.
Nippon Engineering Consultants Co., Ltd.
Chodai Co., Ltd.
Thai Engineering Consultants Co., Ltd.

REMARKS:

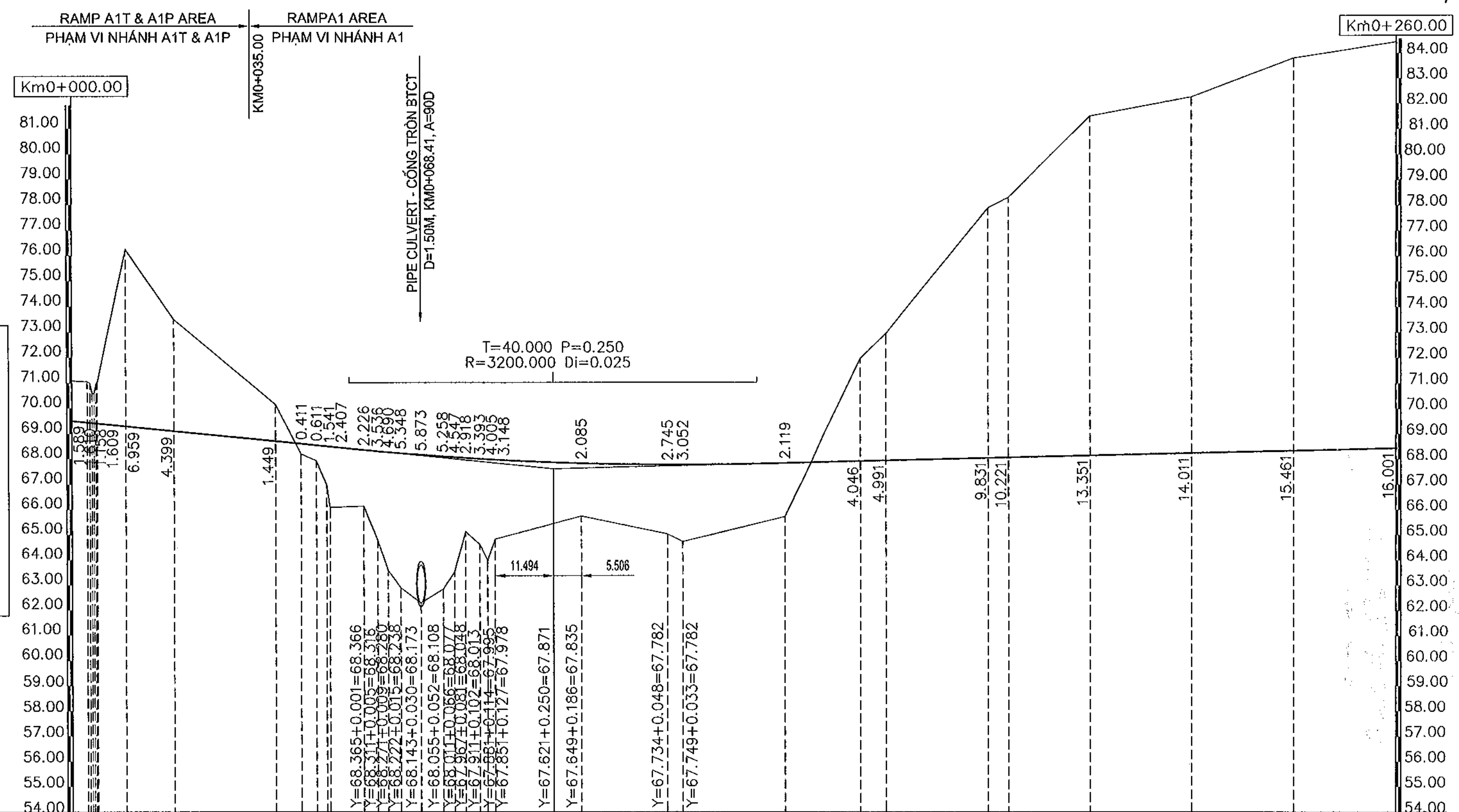
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

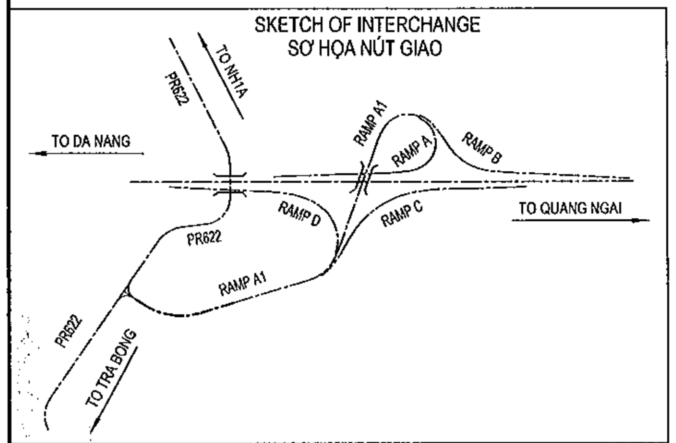
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

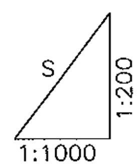
PROFILE OF RAMP A - BINH SON INTERCHANGE
TRẮC DỌC NHÁNH A - NÚT GIAO BÌNH SƠN

SCALE	DRAWING NO.	REV. NO.
	PKGA4-IC1-PP- 160	3

TO PR622 — TO DN-QN EX.W







VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ: 2.000% — 94.494; 0.500% — 634.359

STATION / LÝ TRÌNH CỌC	FINISHED GRADE / CAO ĐỘ THIẾT KẾ	EXISTING GROUND / CAO ĐỘ THIÊN NHIÊN	STAKE NAME / TÊN CỌC
0.00	69.511	71.10	BG, 1=MN, 2, 3, 4, 5, 6
3.55	69.440	71.00	
4.75	69.416	70.98	
5.00	69.411	71.02	
10.50	69.301	76.26	7
20.00	69.111	73.51	8
40.00	68.711	70.16	9
45.00	68.611	68.20	10
48.00	68.551	67.94	11
50.00	68.511	66.97	TD1
50.70	68.497	66.09	12
57.30	68.366	66.14	13
60.00	68.316	64.78	14
62.00	68.280	63.59	15
64.44	68.238	62.89	16
68.41	68.173	62.30	17
72.79	68.108	62.85	18
75.00	68.077	63.53	19
77.20	68.048	65.13	20
80.00	68.013	64.62	21
81.50	67.995	63.93	22
83.00	67.978	64.83	23
100.00	67.835	65.75	H1
117.00	67.782	65.04	P1
120.00	67.782	64.73	24
140.00	67.849	65.73	25
155.00	67.924	71.97	26
160.00	67.949	72.94	27
180.00	68.049	77.88	28
183.99	68.069	78.29	TC1
200.00	68.149	81.50	H2
220.00	68.249	82.26	29
240.00	68.349	83.81	30
260.00	68.449	84.45	31

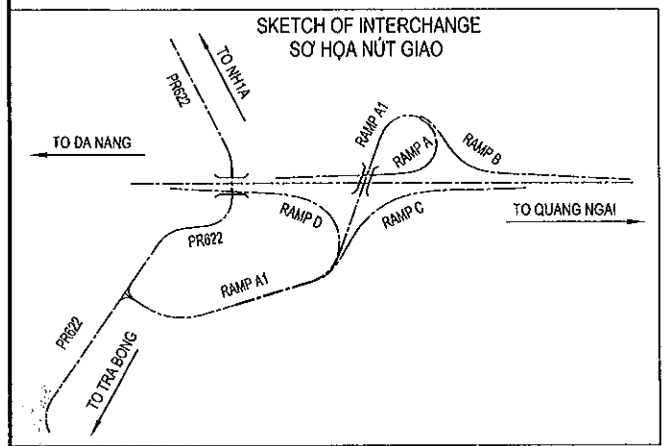
HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG: L=50.003m; L=133.984m, R=150.000m; L=248.033m

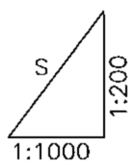
SUPERELEVATION / SIÊU CAO: 0+000.00 −2.000%; 0+042.50 −2.000%; 0+057.50 2.000% / −2.000%; 2.000% / −2.000%; 0+176.49 2.000% / −2.000%; 0+191.49 −2.000%; −2.000%

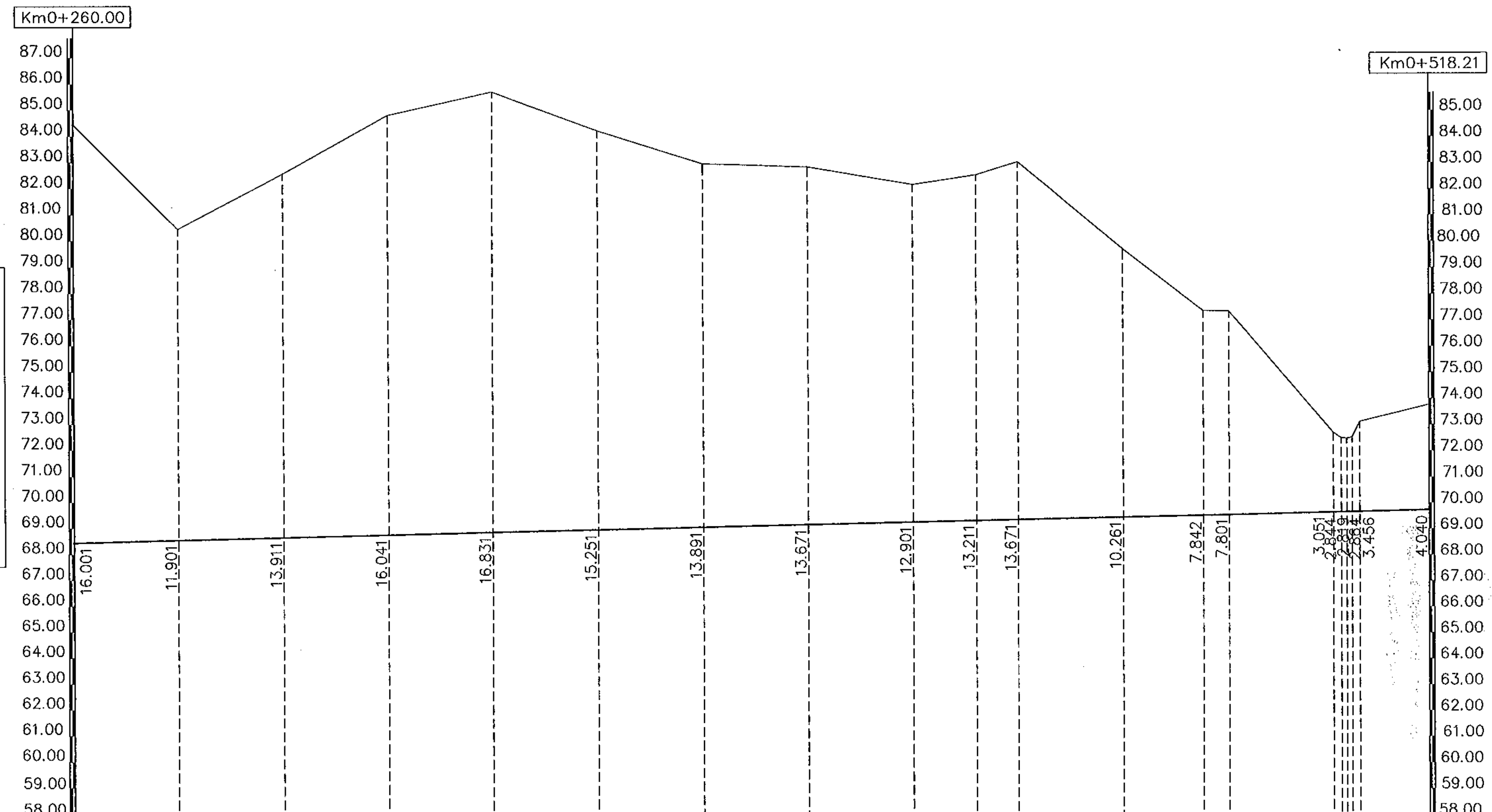
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: A4 Station: Km110+100 - Km124+700
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.		
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			

	PREPARED BY	CHECKED BY	APPROVED BY	PROFILE OF RAMP A1 - BINH SON INTERCHANGE (1/4) TRẮC DỌC NHÁNH A1 - NÚT GIAO BÌNH SƠN (1/4)		
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO	SCALE	DRAWING NO.	REV. NO.
SIGNATURE	for [signature]	[signature]	[signature]	H = 1/1000; V = 1/200	PKGA4-IC1-PP- 170	3
DATE						

⇦ TO PR622 — TO DN-QN EX.W ⇨







VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ	0.500% / 634.359																			
FINISHED GRADE / CAO ĐỘ THIẾT KẾ	68.449	68.549	68.649	68.749	68.849	68.949	69.049	69.149	69.249	69.309	69.349	69.449	69.524	69.549	69.649	69.656	69.661	69.666	69.674	69.740
EXISTING GROUND / CAO ĐỘ THIÊN NHIÊN	84.45	80.45	82.56	84.79	85.68	84.20	82.94	82.82	82.15	82.52	83.02	79.71	77.37	77.35	72.70	72.50	72.48	72.53	73.13	73.78
STATION / LÝ TRÌNH CỌC	260.00	280.00	300.00	320.00	340.00	360.00	380.00	400.00	420.00	432.02	440.00	460.00	475.12	480.00	500.00	501.50	502.50	503.50	505.00	518.21
STAKE NAME / TÊN CỌC	31	32	H3	33	34	35	36	H4	37	TD2	38	39	P2	40	H5	41	42=KHE	43	44	4 TC2
HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG	L=248.033m									L=86.195m R=92.750m										
SUPERELEVATION / SIÊU CAO	−2.000%								0+422.02 −2.000%		0+442.02 3.000% −3.000%	3.000% −3.000%							0+508.21 3.000% −3.000%	

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

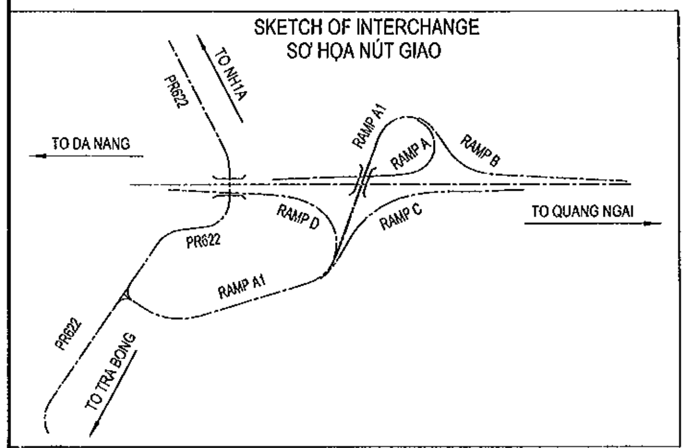
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE	for [signature]	[signature]	[signature]
DATE			

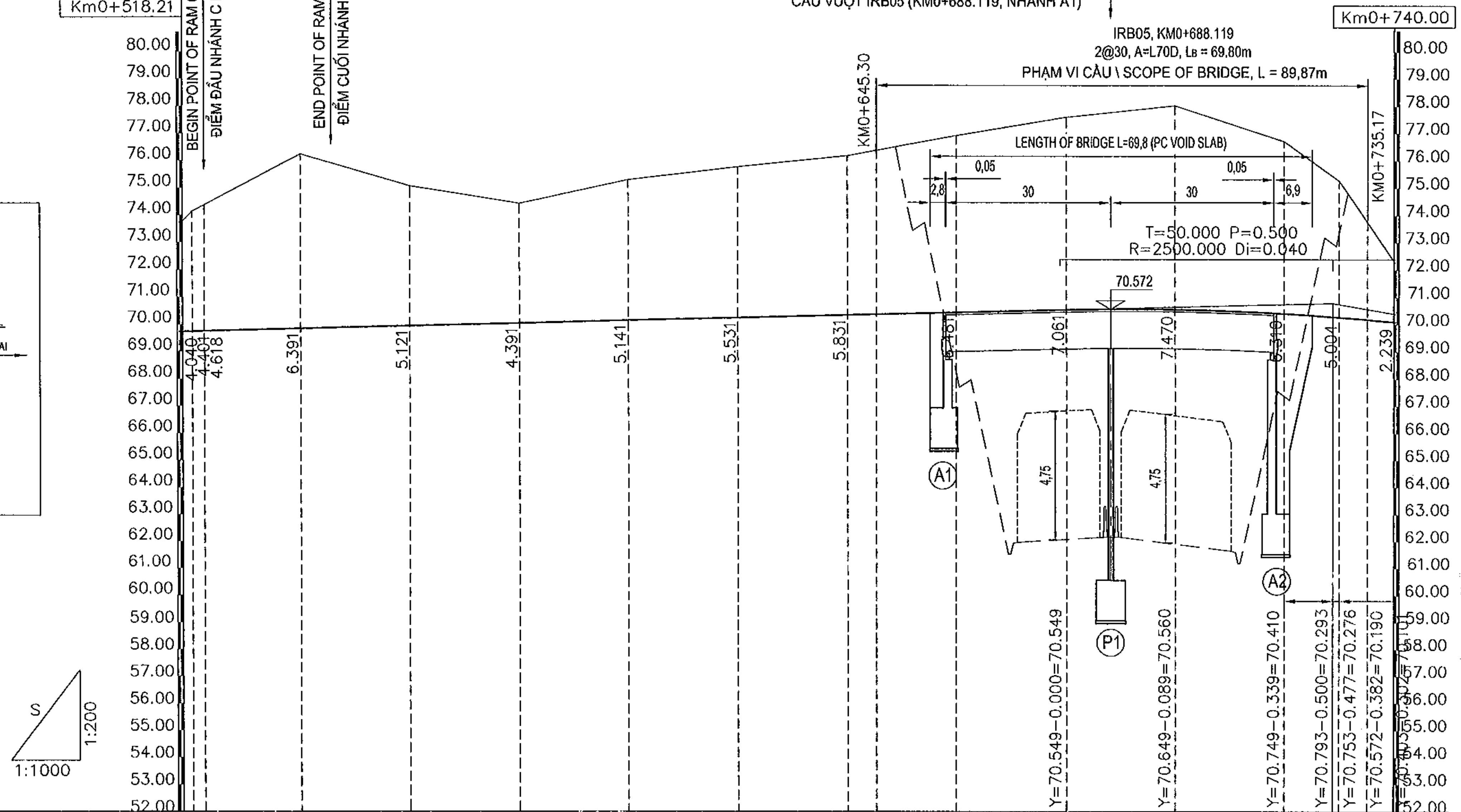
PROFILE OF RAMP A1 - BINH SON INTERCHANGE (2/4)
TRẮC DỌC NHÁNH A1 - NÚT GIAO BÌNH SƠN (2/4)

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-IC1-PP- 180	3

TO PR622

TO DN-QN EX.W





VERTICAL ALIGNMENT ĐỘ DỐC THIẾT KẾ	0.500% 634.359																
FINISHED GRADE CAO ĐỘ THIẾT KẾ	69.740	69.749	69.760	69.849	69.949	70.049	70.149	70.249	70.349	70.376	70.449	70.549	70.560	70.410	70.276	70.190	70.101
EXISTING GROUND CAO ĐỘ THIÊN NHIÊN	73.78	74.15	74.38	76.24	75.07	74.44	75.29	75.78	76.18	76.38	76.93	77.61	78.03	76.72	75.28	73.76	72.34
STATION LÝ TRÌNH CỌC	518.21	520.00	522.18	540.00	560.00	580.00	600.00	620.00	640.00	645.30	660.00	680.00	700.00	720.00	730.00	735.17	740.00
STAKE NAME TÊN CỌC	TC2	45	45C	46	47	48	H6	49	50	IB1	51	52	H7	53	54	IB2	55
HORIZONTAL ALIGNMENT ĐƯỜNG THẲNG - ĐƯỜNG CONG	L=256.253m																
SUPERELEVATION SIÊU CAO	0+528.21 −2.000%													−2.000%			

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: A4 Station: Km110+100 - Km124+700
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.		
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PROFILE OF RAMP A1 - BINH SON INTERCHANGE (3/4)
TRẮC DỌC NHÁNH A1 - NÚT GIAO BÌNH SƠN (3/4)

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-IC1-PP- 190	3

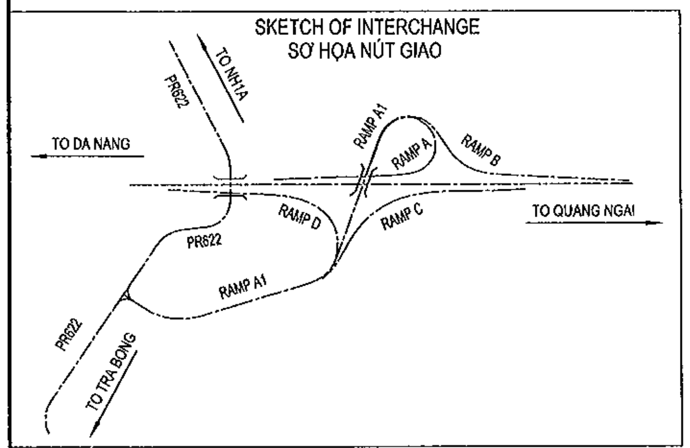
TO PR622

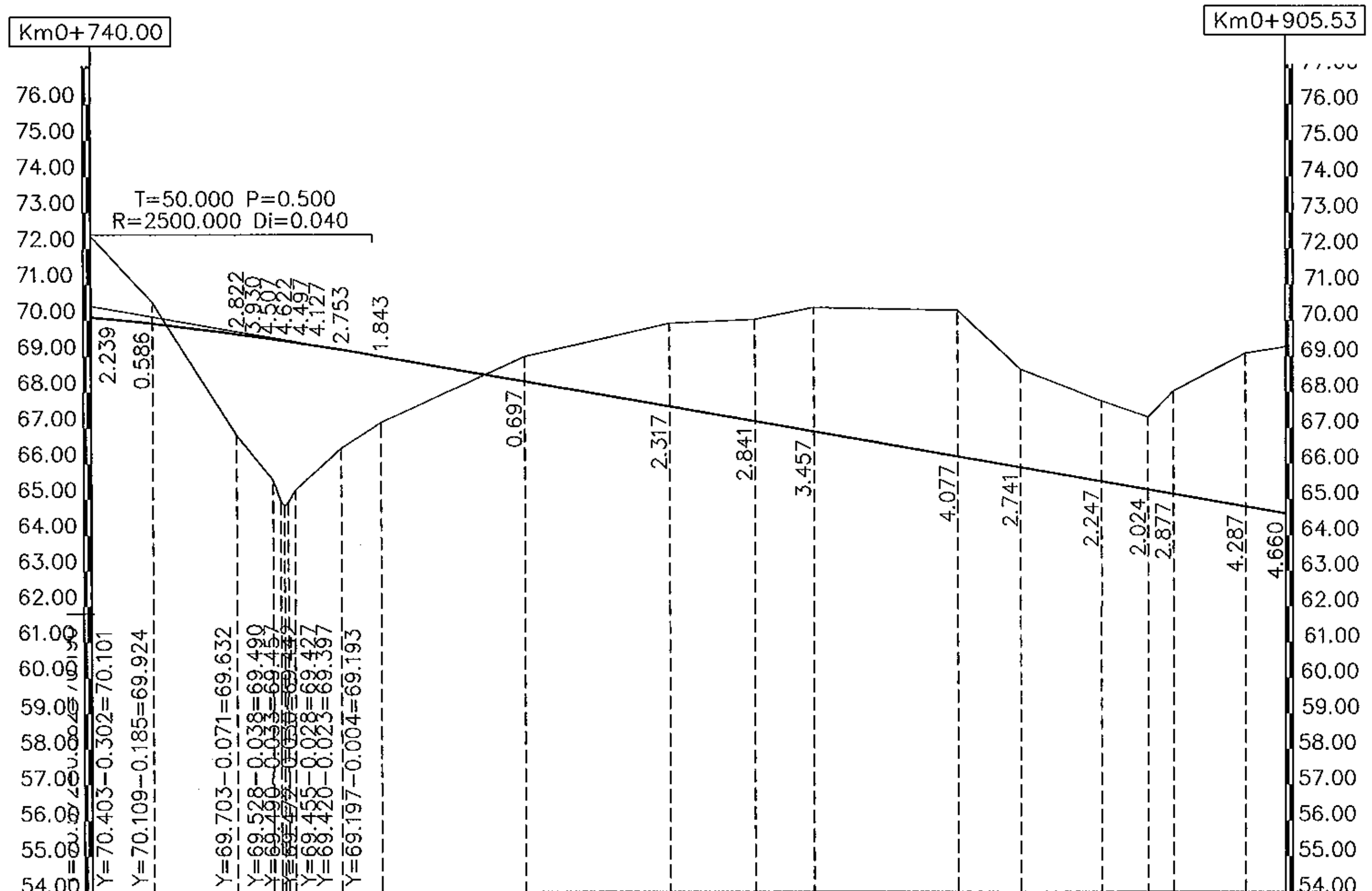
TO DN-QN EX.W

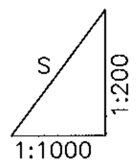
RAMP A1 AREA / PHẠM VI NHÁNH A1

RAMP A & B AREA / PHẠM VI NHÁNH A & B

KM0+905.53







VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ: 3.500% — 176.673

STATION / LÝ TRÌNH CỌC	STAKE NAME / TÊN CỌC	FINISHED GRADE / CAO ĐỘ THIẾT KẾ	EXISTING GROUND / CAO ĐỘ THIÊN NHIÊN
740.00	55	70.101	72.34
748.40	56	69.924	70.51
760.00	57	69.632	66.81
765.00	58	69.490	65.56
766.10	59	69.457	65.50
766.60	60=KHE	69.442	64.82
767.10	61	69.427	64.93
768.10	62	69.397	65.27
774.47	ND3	69.193	66.44
780.00	63	69.003	67.16
800.00	H8	68.303	69.00
820.00	64	67.603	69.92
831.84	TD3	67.189	70.03
840.00	65	66.903	70.36
860.00	66	66.203	70.28
868.68	P3	65.899	68.64
880.00	67	65.503	67.75
886.50	68	65.276	67.30
890.00	69	65.153	68.03
900.00	H9	64.803	69.09
905.53	TC3=EN	64.610	69.27

HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG: L=256.253m; A=60.000, L=57.370m; L=73.687m, R=62.750m

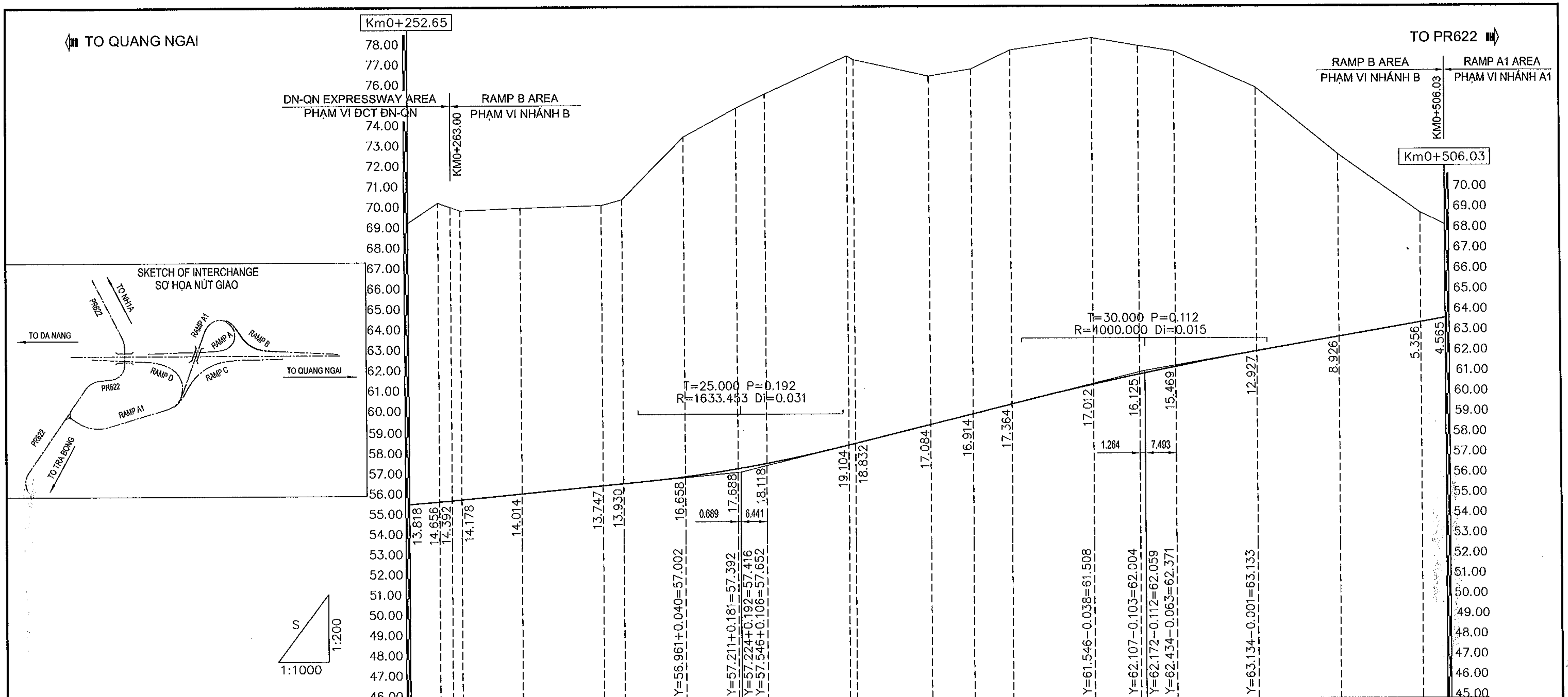
SUPERELEVATION / SIÊU CAO: 0+774.47 −2.000%; 0+831.84 6.000% −6.000%; 0+905.53 6.000% −6.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: A4 Station: Km110+100 - Km124+700
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.		
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I.ISHIMOTO
SIGNATURE			
DATE			

PROFILE OF RAMP A1 - BINH SON INTERCHANGE (4/4)
TRẮC DỌC NHÁNH A1 - NÚT GIAO BÌNH SƠN (4/4)

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-IC1-PP- 200	3



STATION / LÝ TRÌNH CỌC	STAKE NAME / TÊN CỌC	FINISHED GRADE / CAO ĐỘ THIẾT KẾ	EXISTING GROUND / CAO ĐỘ THIÊN NHIÊN
252.65	21C	55.675	69.49
260.00	22	55.804	70.46
263.00	22C	55.856	70.25
265.37	ND1	55.902	70.08
280.00	23	56.186	70.20
300.00	H3	56.573	70.32
305.00	24	56.670	70.60
320.00	25	57.002	73.66
332.87	TD1	57.392	75.08
340.00	26	57.652	75.77
360.00	27	58.546	77.65
361.63	P1	58.628	77.46
380.00	28	59.546	76.63
390.39	TC1	60.066	76.98
400.00	H4	60.546	77.91
420.00	29	61.508	78.52
431.24	NC1 ND2	62.004	78.13
440.00	30	62.371	77.84
460.00	31	63.133	76.06
480.00	32	63.834	72.76
500.00	H5	64.534	69.89
506.03	TD2	64.745	69.31

VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ: 1.749% – 10.350; 1.939% – 70.561; 5.000% – 98.949; 3.500% – 73.524

HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG: L=12.722m; A=90.000 L=67.500m; L=57.523m R=120.000m; A=70.000 L=40.833m; A=70.000 L=74.809m

SUPERELEVATION / SIÊU CAO: 0+252.65 −2.000%; 0+265.37 −2.000%; 0+332.87 2.000% −2.000%; 0+390.39 2.000% −2.000%; 0+431.23 −2.000%; 0+506.03 6.000% −6.000%

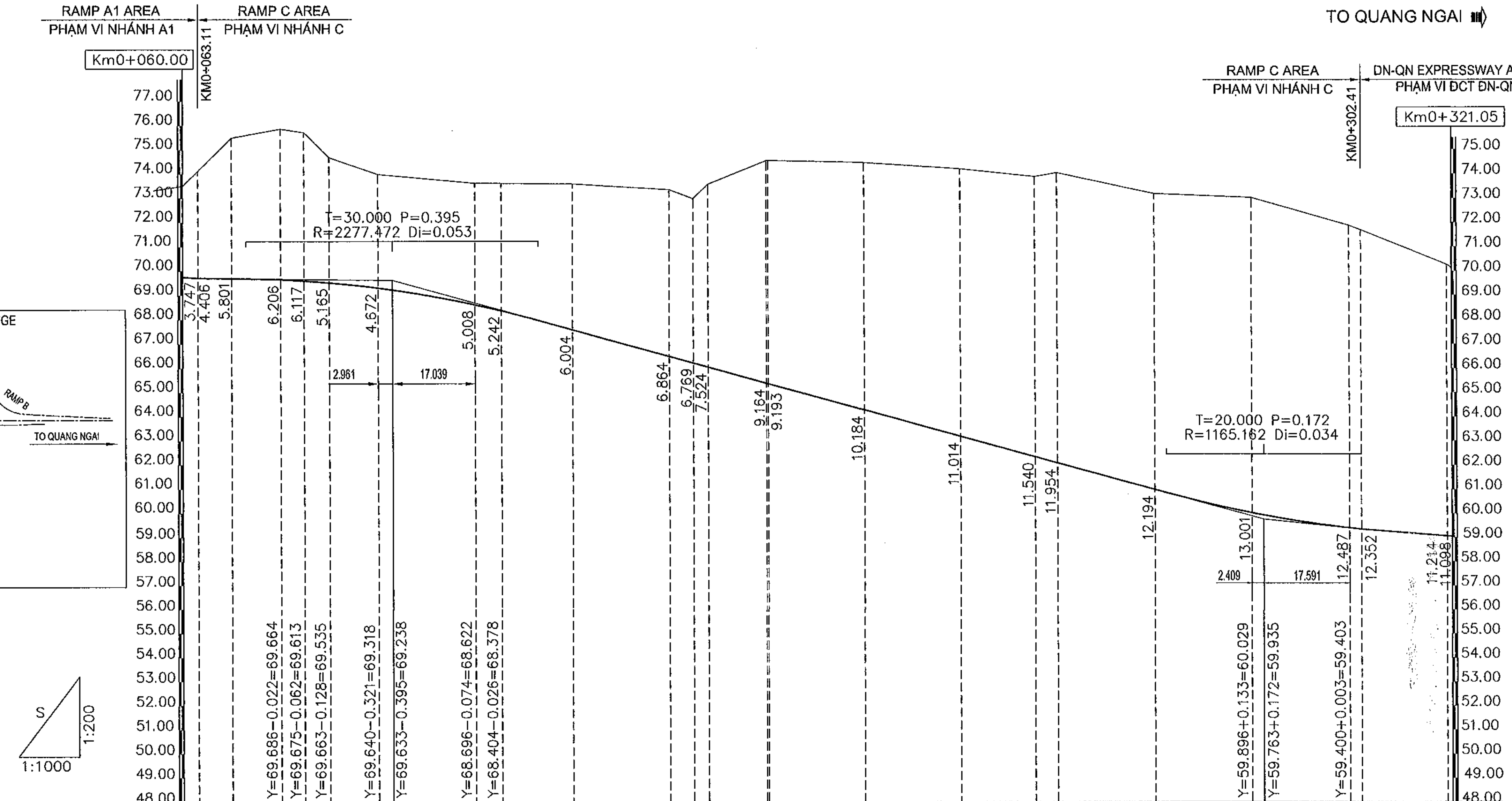
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

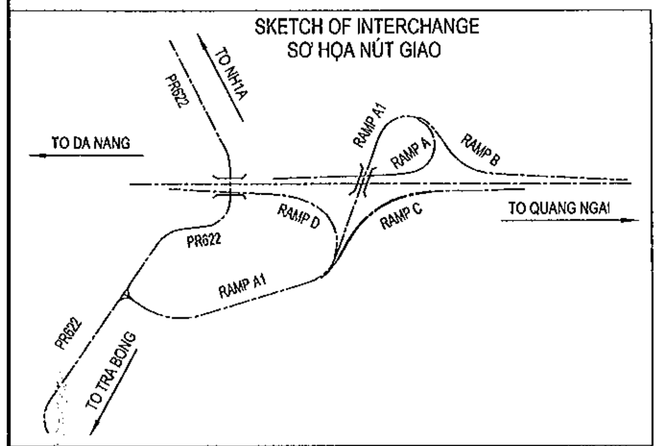
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PROFILE OF RAMP B - BINH SON INTERCHANGE
TRẮC DỌC NHÁNH B - NÚT GIAO BÌNH SƠN

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-IC1-PP- 210	3





VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ: 3.107 | 1.223% 39.854 | 0.231% | 5.500% 179.449 | 2.067% 20.000 | 1.615% 18.637

STATION / LÝ TRÌNH CỌC	FINISHED GRADE / CAO ĐỘ THIẾT KẾ	EXISTING GROUND / CAO ĐỘ THIÊN NHIÊN	STAKE NAME / TÊN CỌC
60.00	69.763	73.51	9
63.11	69.725	74.13	9C
70.00	69.709	75.51	10
80.00	69.664	75.87	11
84.81	69.613	75.73	NC1 ND2
90.00	69.535	74.70	12
100.00	69.318	73.99	H1
120.00	68.622	73.63	13
125.32	68.378	73.62	TD2
140.00	67.596	73.60	14
160.00	66.496	73.36	15
165.00	66.221	72.99	16
168.00	66.056	73.58	17
180.00	65.396	74.56	18
180.34	65.377	74.57	P2
200.00	64.296	74.48	H2
220.00	63.196	74.21	19
235.37	62.350	73.89	TC2
240.00	62.096	74.05	20
260.00	60.996	73.19	21
280.00	60.029	73.03	22
300.00	59.403	71.89	H3
302.41	59.350	71.70	22C
320.00	59.066	70.28	23
321.05	59.049	70.15	23C

HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG: R=92.750m L=86.195m | A=90.000 L=40.500m | L=110.056m R=200.000m | A=180.000 L=162.000m

SUPERELEVATION / SIÊU CAO: 0+060.00 – 0+063.11: 0.490%, 0.700% | 0+084.82: 2.000%, −2.000% | 0+125.32: 2.000%, −2.000% | 0+235.37: 2.000%, −2.000% | 0+321.05: 2.000%, −2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

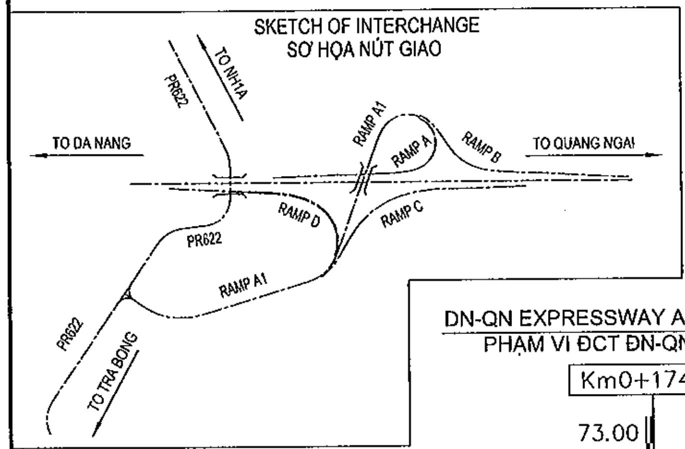
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE	for [signature]	[signature]	[signature]
DATE			

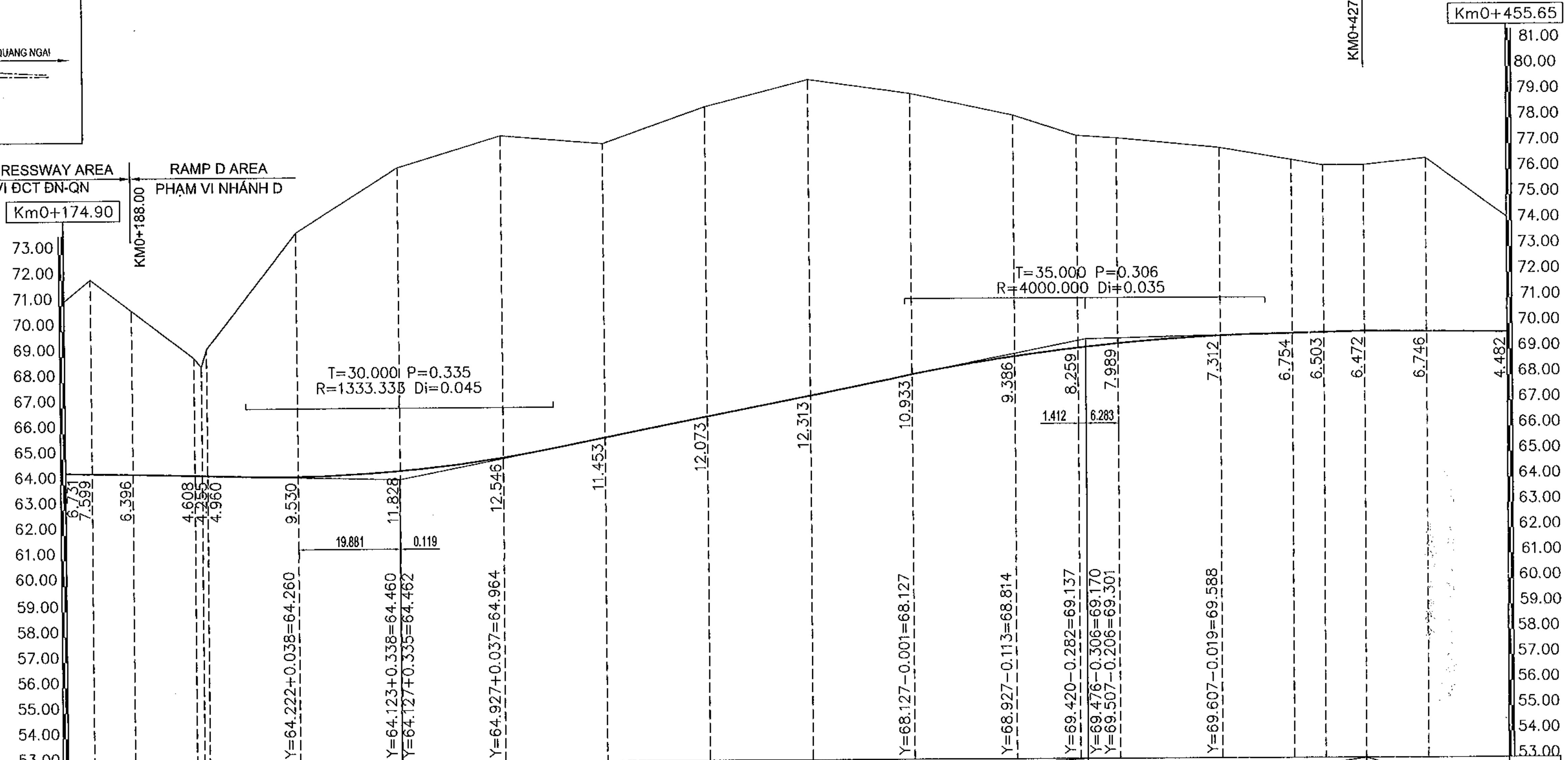
PROFILE OF RAMP C - BINH SON INTERCHANGE
TRẮC DỌC NHÁNH C - NÚT GIAO BÌNH SƠN

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-IC1-PP- 220	3

TO DA NANG

TO PR622





VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ

Length	Grade
13.100	0.366%
51.882	0.500%
133.836	4.000%
54.194	0.500%
27.743	0.187%

STATION / LÝ TRÌNH CỌC	FINISHED GRADE / CAO ĐỘ THIẾT KẾ	EXISTING GROUND / CAO ĐỘ THIÊN NHIÊN	STAKE NAME / TÊN CỌC
174.90	64.430	71.16	24C
180.00	64.411	72.01	25
188.00	64.382	70.78	25C
200.00	64.322	68.93	26
201.44	64.315	68.57	H2
202.44	64.310	69.27	ND1
220.00	64.260	73.79	27
240.00	64.462	76.29	28
260.00	64.964	77.51	29
280.00	65.727	77.18	30
300.00	66.527	78.60	H3
320.00	67.327	79.64	31
340.00	68.127	79.06	32
360.00	68.814	78.20	33
372.30	69.137	77.40	TD1
380.00	69.301	77.29	34
400.00	69.588	76.90	H4
413.98	69.677	76.43	P1
420.00	69.707	76.21	35
427.91	69.747	76.22	35C
440.00	69.724	76.47	36
455.65	69.695	74.18	TC1=NC1

HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG

L=27.541m

A=123.648
L=169.875m

L=83.348m
R=90.000m

SUPERELEVATION / SIÊU CAO

Station	Left	Right
0+174.90	2.000%	-2.000%
0+332.30	2.000%	-2.000%
0+372.30	3.000%	-3.000%
0+413.98	3.000%	-3.000%
0+427.91	3.000%	-3.000%
0+455.65	2.000%	-2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

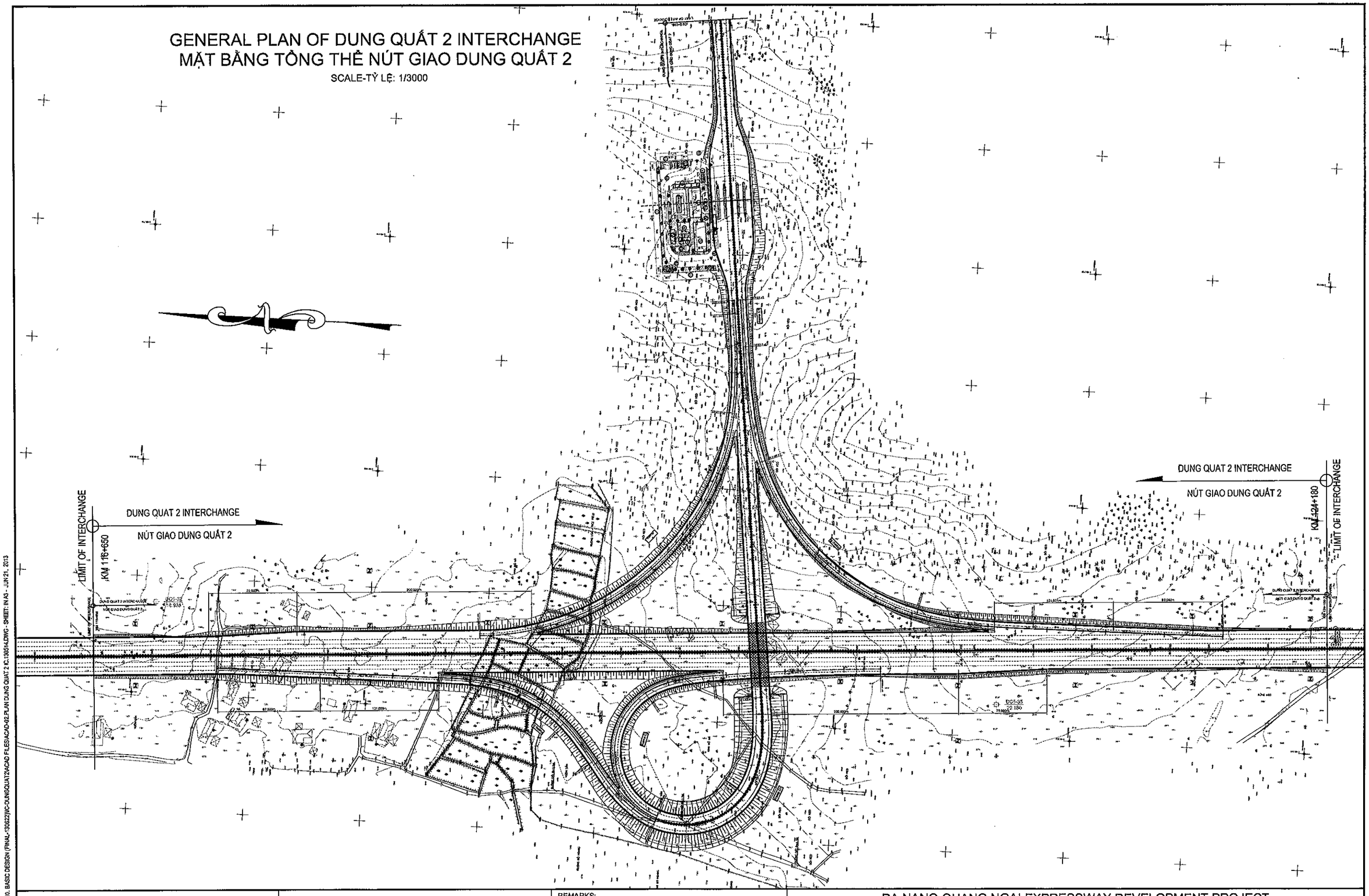
PROFILE OF RAMP D - BINH SON INTERCHANGE
TRẮC DỌC NHÁNH D - NÚT GIAO BÌNH SƠN

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-IC1-PP- 230	3

E8. DUNG QUAT 2 INTERCHANGE
E8. NÚT GIAO DUNG QUẤT 2

GENERAL PLAN OF DUNG QUẤT 2 INTERCHANGE
MẶT BẰNG TỔNG THỂ NÚT GIAO DUNG QUẤT 2

SCALE-TỶ LỆ: 1/3000



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MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: PKGA4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY	GENERAL PLAN OF DUNG QUAT 2 INTERCHANGE MẶT BẰNG TỔNG THỂ NÚT GIAO DUNG QUẤT 2		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/3000	PKGA4-IC1A-PP-010	4

DUNG QUAT 2 INTERCHANGE
NÚT GIAO DUNG QUẤT 2
LIMIT OF INTERCHANGE
KM 116+650
DC5-32
18.988
75,000m
200,000m
87,500m
101,099m
VƯỜN SẮN
TO CA
E=680300
N=1683800
N=1683600
To Dung Quat Port
Toll Gate
Ramp A
Ramp B
Ramp C
Ramp C1
Ramp D
Expressway
To Da Nang
To Quang Ngai
1
2
3
4
5

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: PKGA4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF DUNG QUẤT 2 INTERCHANGE (1/5) MẶT BẰNG NÚT GIAO DUNG QUẤT 2 (1/5)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/1000	PKGA4-IC1A-PP-020	4

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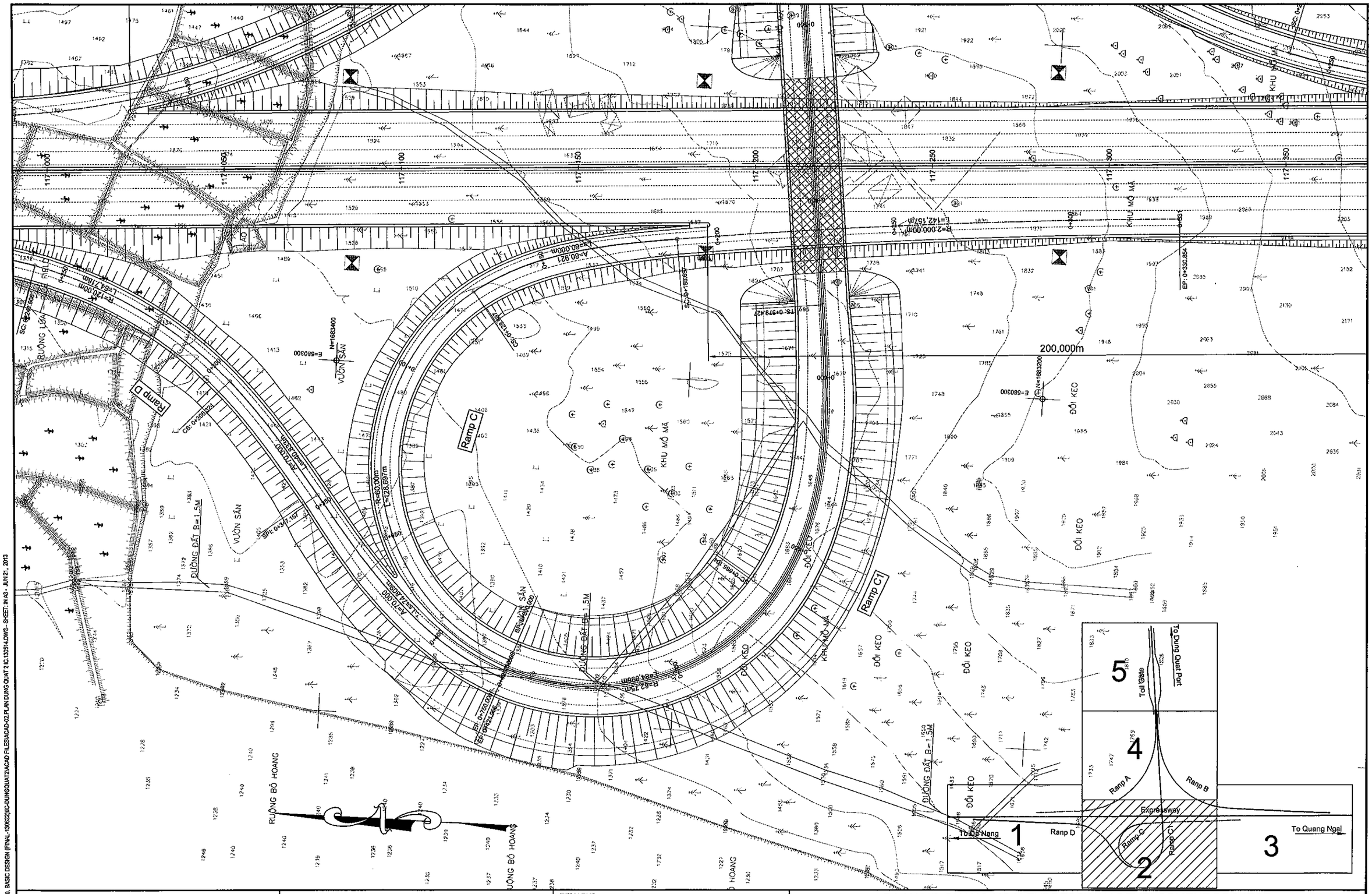

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: PKGA4 Station: Km110+100 - Km124+700					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF DUNG QUẤT 2 INTERCHANGE (2/5) MẶT BẰNG NÚT GIAO DUNG QUẤT 2 (2/5)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	SCALE	DRAWING NO. / REV. NO.
				SIGNATURE				1/1000	PKGA4-IC1A-PP-030 / 4
				DATE					

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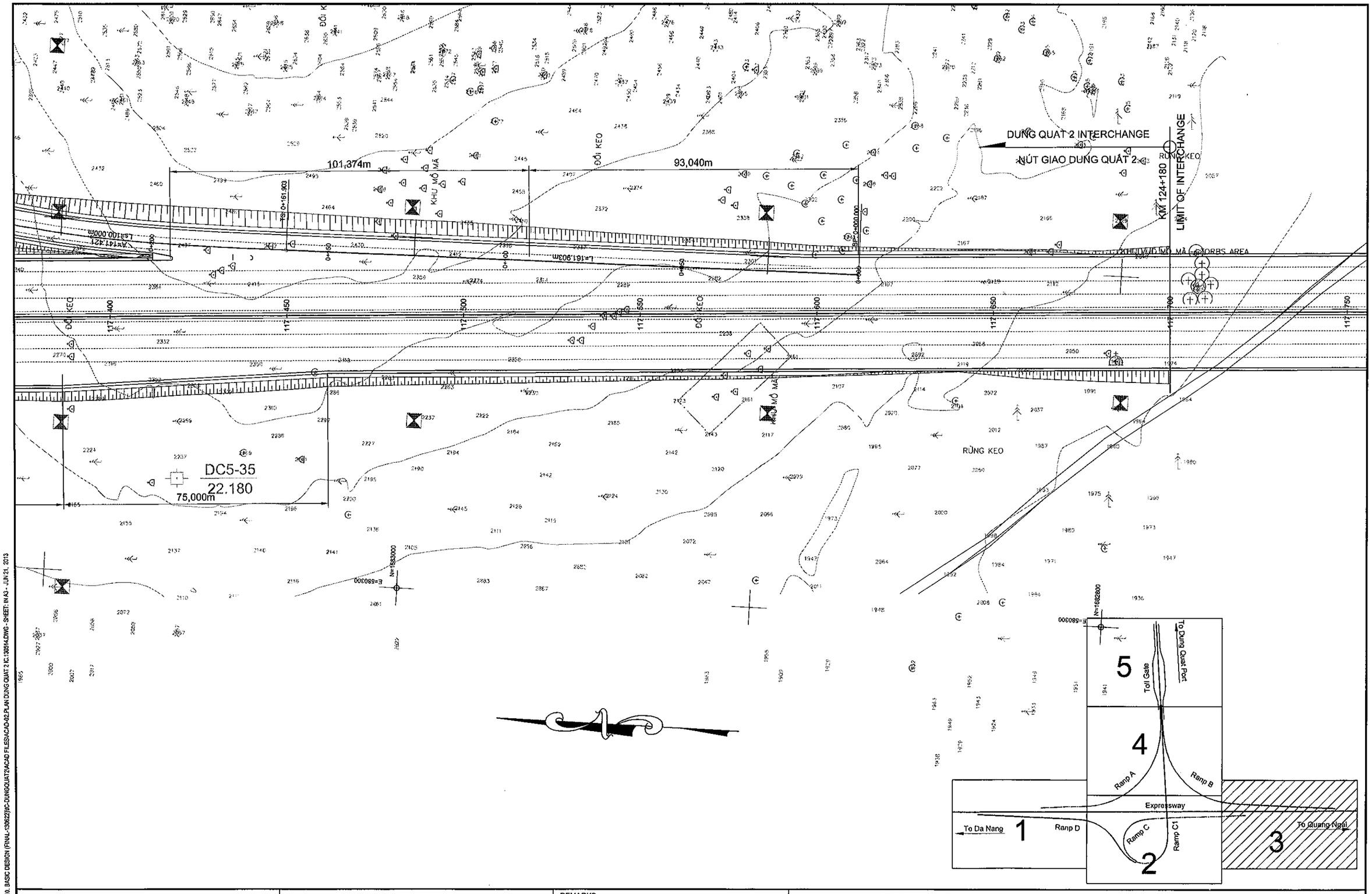

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: PKGA4 Station: Km110+100 - Km124+700					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF DUNG QUẤT 2 INTERCHANGE (3/5) MẶT BẰNG NÚT GIAO DUNG QUẤT 2 (3/5)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO		
				SIGNATURE				SCALE	DRAWING NO. / REV. NO.
				DATE				1/1000	PKGA4-IC1A-PP-040 / 4

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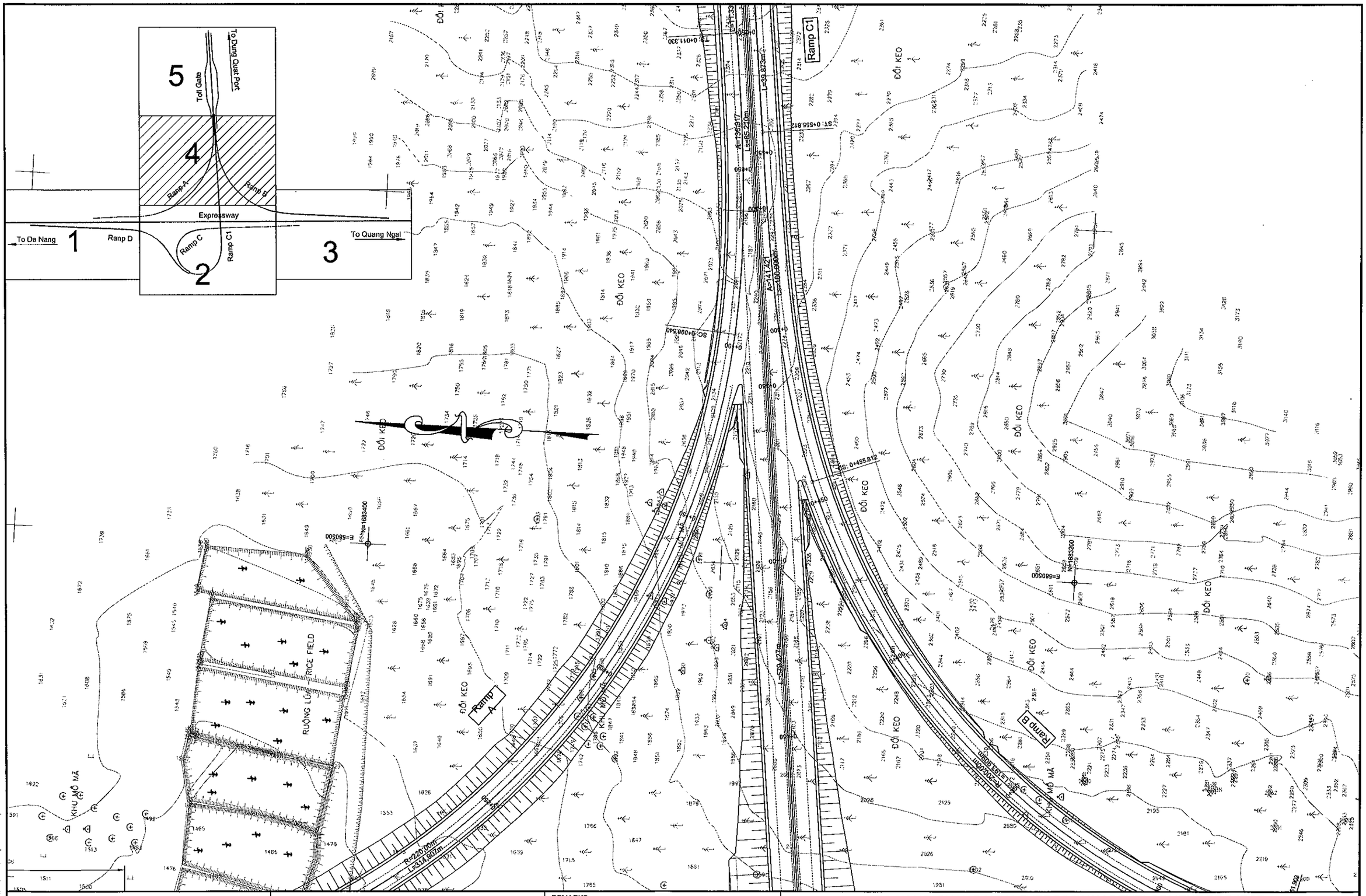

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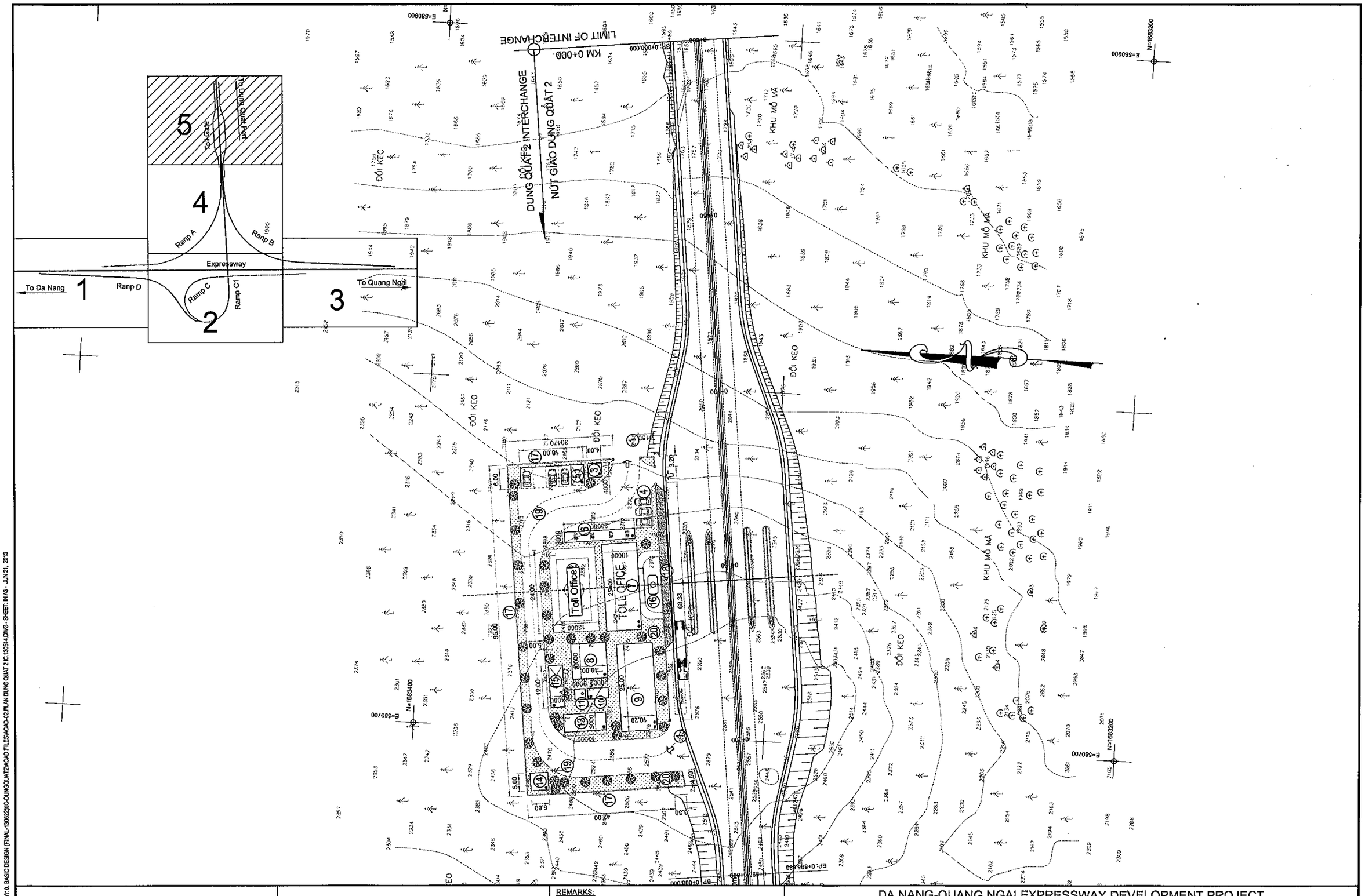
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: PKGA4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF DUNG QUẤT 2 INTERCHANGE (4/5) MẶT BẰNG NÚT GIAO DUNG QUẤT 2 (4/5)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/1000	PKGA4-IC1A-PP-050	4

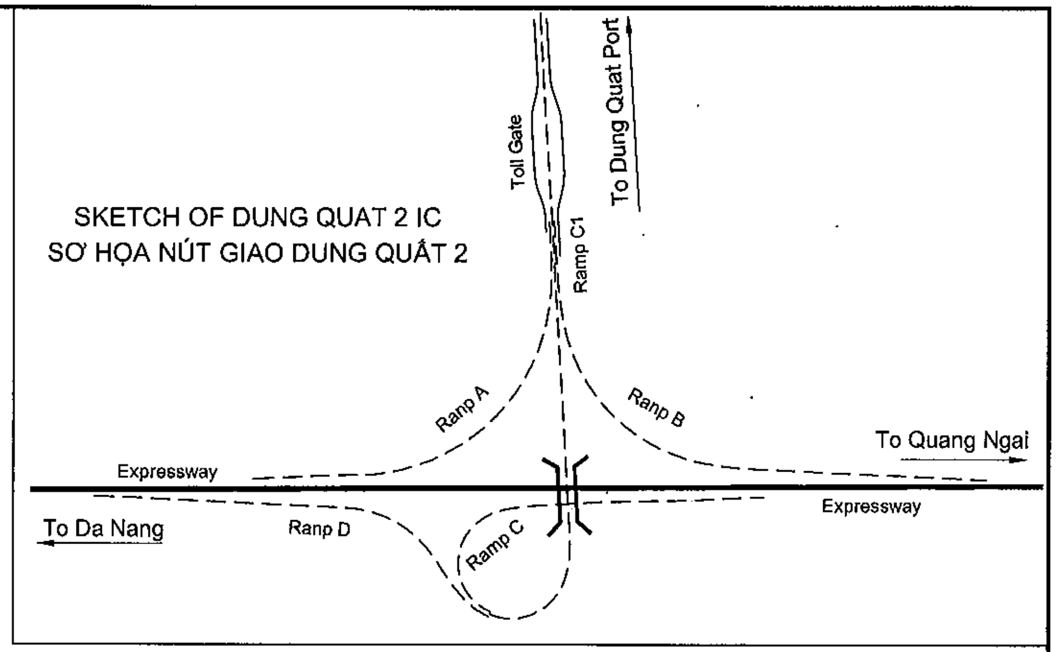


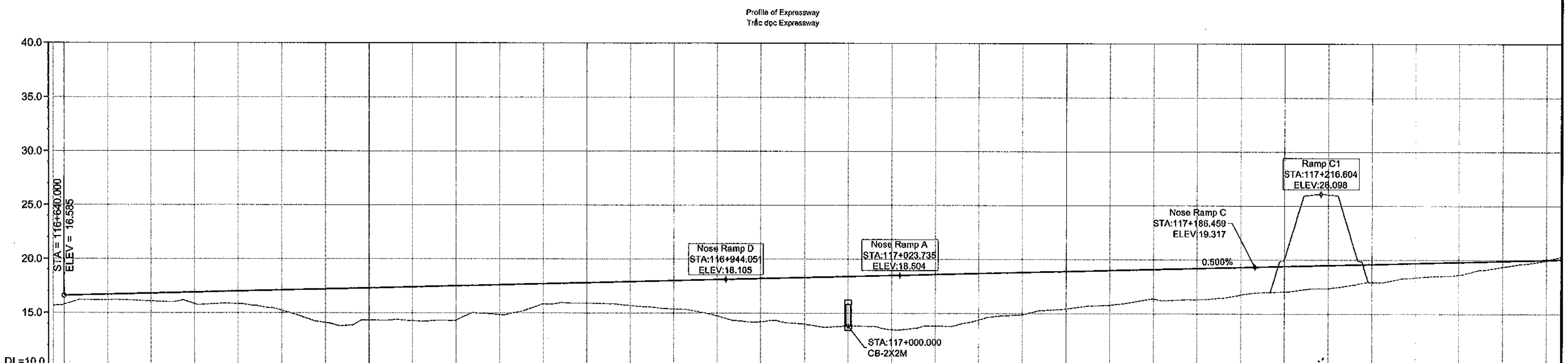
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: PKGA4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF DUNG QUẤT 2 INTERCHANGE (5/5) MẶT BẰNG NÚT GIAO DUNG QUẤT 2 (5/5)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/1000	PKGA4-IC1A-PP-060	4

PATH - D:\THUAN\EXPRESSWAY\10. BASIC DESIGN (FINAL-130822)\IC-DUNGQUAT2\ACAD FILES\ACAD-02\PLAN DUNG QUAT 2 IC 130514.DWG - SHEET IN A3 - JUN 21, 2013





PROFILE / ĐỘ DỐC DỌC: 16.585; i=0.500%, L=1148.333m

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
116+635.000		15.653	
116+640.000	16.585	15.760	116640.000
116+660.000	16.685	16.196	116660.000
116+680.000	16.785	16.078	116680.000
116+700.000	16.885	15.828	116700.000
116+720.000	16.985	15.818	116720.000
			116735.610
116+740.000	17.085	15.210	116740.000
116+760.000	17.185	14.059	116760.000
116+780.000	17.285	14.319	116780.000
116+800.000	17.385	14.265	116800.000
116+820.000	17.485	14.312	116820.000
116+840.000	17.585	14.823	116840.000
			116841.919
116+860.000	17.685	15.810	116860.000
116+880.000	17.785	15.895	116880.000
116+900.000	17.885	15.669	116900.000
116+920.000	17.985	15.348	116920.000
116+940.000	18.085	14.717	116940.000
			116947.127
116+960.000	18.185	14.188	116960.000
116+980.000	18.285	13.968	116980.000
117+000.000	18.385	13.807	117000.000
117+020.000	18.485	13.465	117020.000
117+040.000	18.585	13.810	117040.000
			117047.721
117+060.000	18.685	14.384	117060.000
117+080.000	18.785	14.873	117080.000
117+100.000	18.885	15.432	117100.000
117+120.000	18.985	15.769	117120.000
117+140.000	19.085	16.351	117140.000
			117148.431
117+160.000	19.185	16.307	117160.000
117+180.000	19.285	16.750	117180.000
117+200.000	19.385	17.027	117200.000
117+220.000	19.485	17.346	117220.000
117+240.000	19.585	17.920	117240.000
			117253.914
117+260.000	19.685	18.346	117260.000
117+280.000	19.785	18.618	117280.000
117+300.000	19.885	19.341	117300.000
117+320.000	19.985	19.963	117320.000

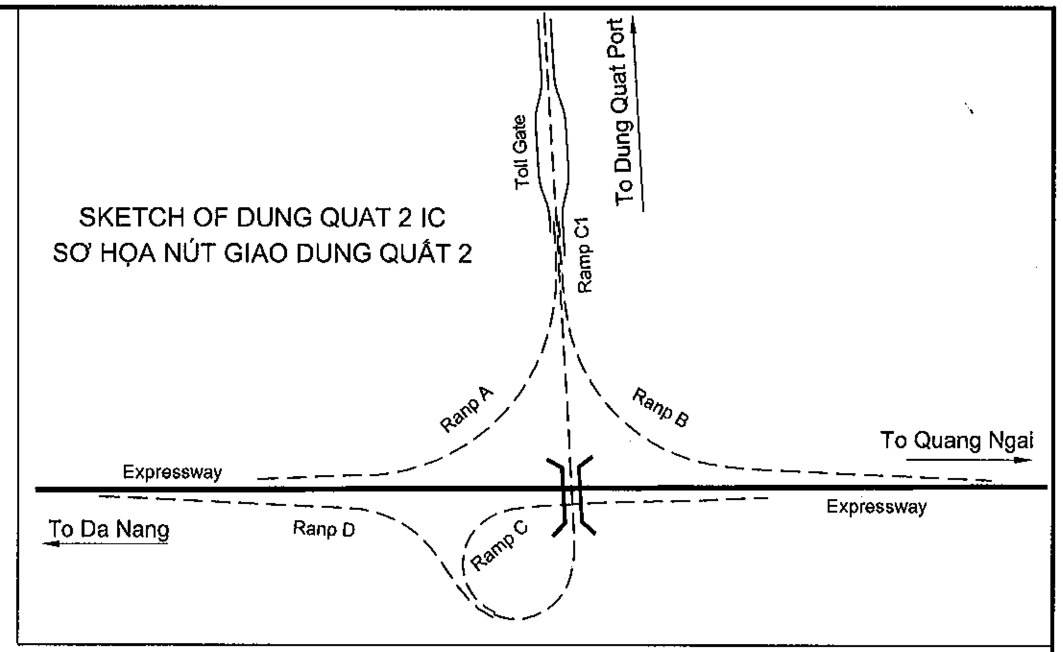
HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

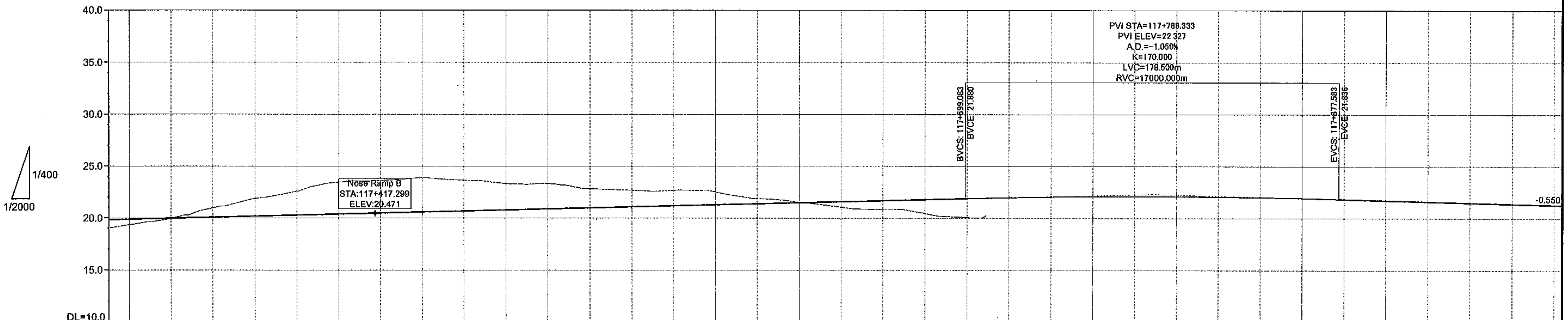
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: PKGA4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY	DUNG QUAT 2 INTERCHANGE-NÚT GIAO DUNG QUẤT 2		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(1/2)		
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKGA4-IC1A-PP-070	4

PATH - D:\L THUAN\L EXPRESSWAY\L 10. BASIC DESIGN (FINAL-130622) L IC-DUNGQUAT2 L ACAD FILES L ACAD-02.PROFILE DUNG QUAT 2 IC.130529.DWG - SHEET: PROFILE - JUN 21, 2013



Profile of Expressway
Trắc dọc Expressway



PROFILE / ĐỘ DỐC DỌC: 22.327; i=-0.550%; L=291.667m

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
117+300.000	19.885	19.341	117300.000
117+320.000	19.985	19.963	117320.000
117+340.000	20.085	20.971	117340.000
117+360.000	20.185	21.876	117357.881 / 117360.000
117+380.000	20.285	22.575	117380.000
117+400.000	20.385	23.458	117400.000
117+420.000	20.485	23.608	117420.000
117+440.000	20.585	23.879	117440.000
117+460.000	20.685	23.647	117460.000 / 117466.039
117+480.000	20.785	23.329	117480.000
117+500.000	20.885	23.360	117500.000
117+520.000	20.985	22.837	117520.000
117+540.000	21.085	22.672	117540.000
117+560.000	21.185	22.668	117560.000 / 117571.467
117+580.000	21.285	22.517	117580.000
117+600.000	21.385	21.877	117600.000
117+620.000	21.485	21.530	117620.000
117+640.000	21.585	21.061	117640.000
117+660.000	21.685	20.823	117660.000
117+680.000	21.785	20.467	117680.000 [illegible]
117+700.000	21.885	20.068	117700.000
117+720.000	21.972		117720.000
117+740.000	22.036		117740.000
117+760.000	22.076	STA:117+760.000 ELEV:0.000	117760.000
117+780.000	22.092		117780.000
117+800.000	22.085		117800.000
117+820.000	22.055		117820.000
117+840.000	22.001		117840.000
117+860.000	21.923		117860.000
117+880.000	21.823		117880.000
117+900.000	21.713		117900.000
117+920.000	21.603		117920.000
117+940.000	21.493		117940.000
117+960.000	21.383		117960.000
117+980.000	21.273		117980.000

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=2950.000m

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodal Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

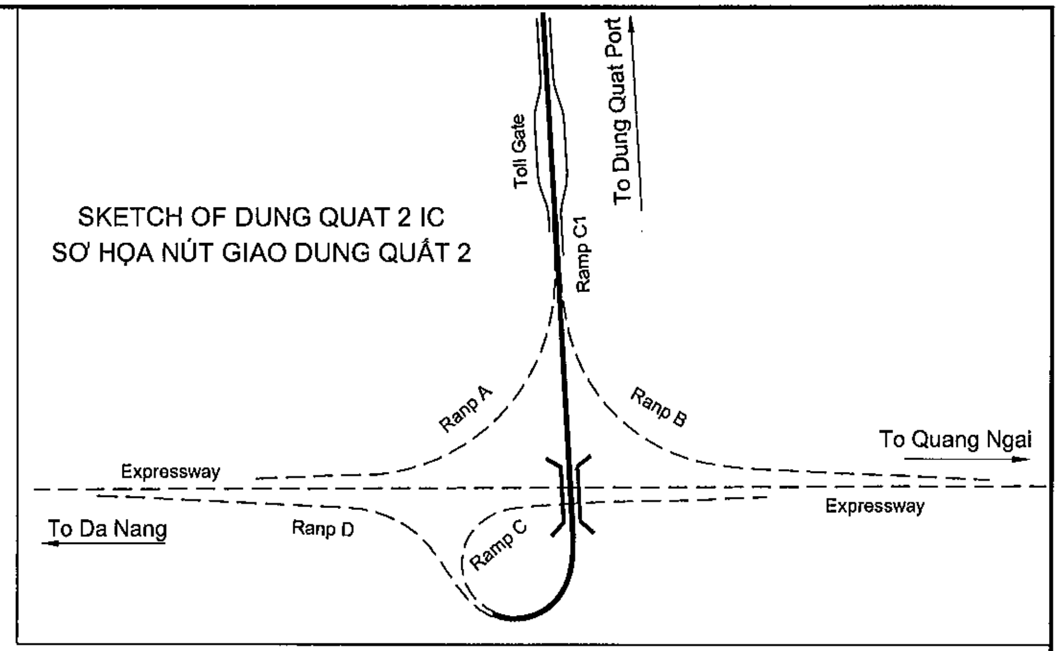
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: PKGA4 Station: Km110+100 - Km124+700

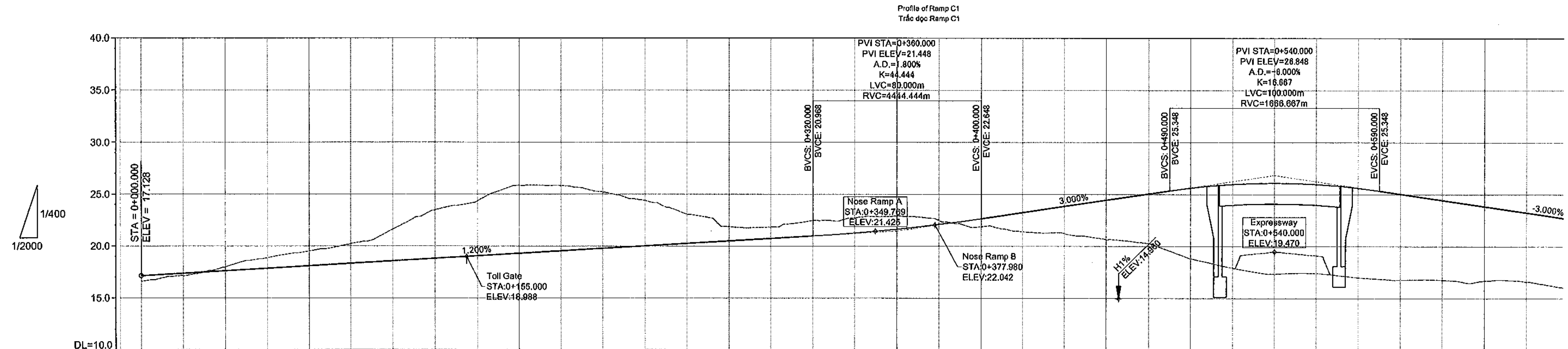
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO
SIGNATURE	(signed)	(signed)	(signed)
DATE			

DUNG QUAT 2 INTERCHANGE-NÚT GIAO DUNG QUẤT 2
PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH(2/2)

SCALE	DRAWING NO.	REV. NO.
AS SHOW	PKGA4-IC1A-PP-080	4

PATH - D:\ THUAN\ EXPRESSWAY\ 10. BASIC DESIGN (FINAL-130622)\ IC-DUNGQUAT2\ ACAD FILES\ ACAD-02.PROFILE DUNG QUAT 2 IC.130529.DWG - SHEET: PROFILE - JUN 21, 2013





PROFILE / ĐỘ DỐC DỌC: 17.128 — i=1.200%, L=360.000m — 21.448 — i=3.000%, L=180.000m — 26.848 — i=-3.000%, L=210.000m

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
-0+010.000			-10.000
0+000.000	17.128	16.567	
0+020.000	17.368	17.116	20.000
0+040.000	17.608	18.000	40.000
0+060.000	17.848	18.872	60.000
0+080.000	18.088	19.513	80.000
0+100.000	18.328	20.202	[illegible] 100.000
0+120.000	18.568	21.616	120.000
0+140.000	18.808	23.491	140.000
0+160.000	19.048	24.341	160.000
0+180.000	19.288	25.835	180.000
0+200.000	19.528	25.826	[illegible] 200.000
0+220.000	19.768	25.208	220.000
0+240.000	20.008	24.388	240.000
0+260.000	20.248	23.075	260.000
0+280.000	20.488	21.868	280.000
0+300.000	20.728	21.838	300.000 [illegible]
0+320.000	20.968	22.476	320.000
0+340.000	21.253	22.701	340.000
0+360.000	21.628	22.899	360.000
0+380.000	22.093	22.474	380.000
0+400.000	22.648	21.882	400.000 [illegible]
0+420.000	23.248	21.400	420.000
0+440.000	23.848	21.223	440.000
0+460.000	24.448	20.628	460.000
0+480.000	25.048	20.256	480.000
0+500.000	25.618	18.819	500.000
			515.376
0+520.000	25.978	17.893	520.000
0+540.000	26.098	17.348	540.000
0+560.000	25.978	17.395	560.000
0+580.000	25.618	16.980	580.000
0+600.000	25.048	16.767	600.000
0+620.000	24.448	16.758	[illegible] 620.000
0+640.000	23.848	16.672	640.000
0+660.000	23.248	16.583	660.000

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=579.427m; A=73.323, L=85.677m

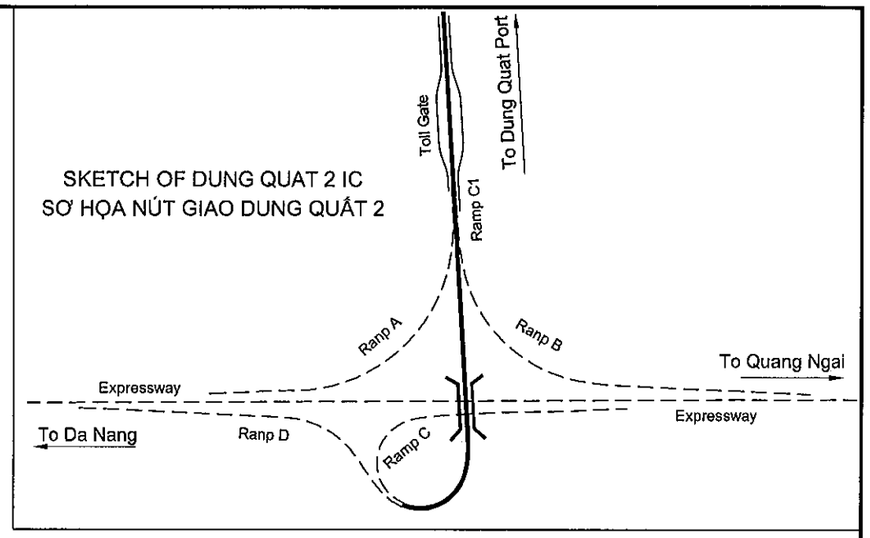
SUPER ELEVATION / SIÊU CAO: -2.000% / 0+579.427 / -2.000%; 6.000% / 0+665.104 / 6.000%

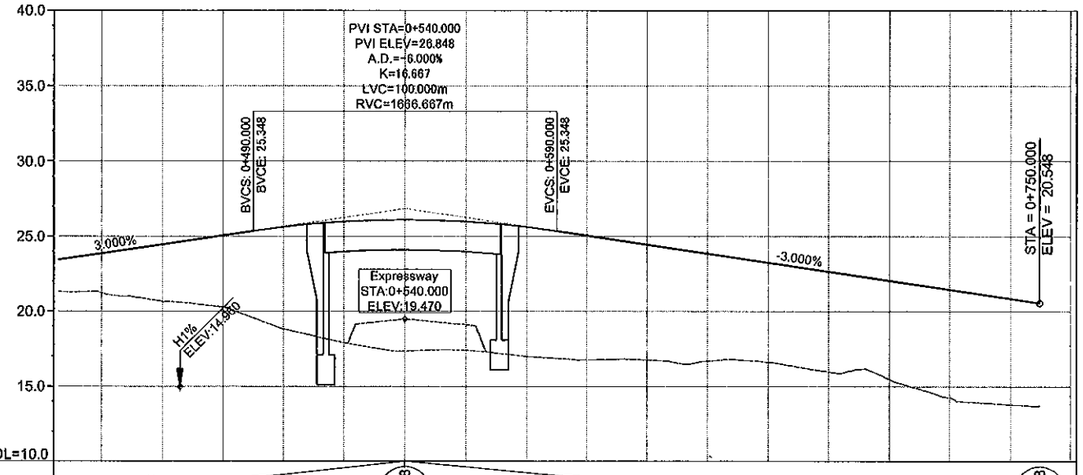
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: PKGA4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY	DUNG QUAT 2 INTERCHANGE-NÚT GIAO DUNG QUẤT 2		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1 (1/2)		
SIGNATURE	[signature]	[signature]	[signature]	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKGA4-IC3-PP-09	4

PATH - D:_THUAN_EXPRESSWAY_10. BASIC DESIGN (FINAL-130622)_IC-DUNGQUAT2_ACAD FILES_ACAD-02.PROFILE DUNG QUAT 2 IC.130529.DWG - SHEET: PROFILE - JUN 21, 2013





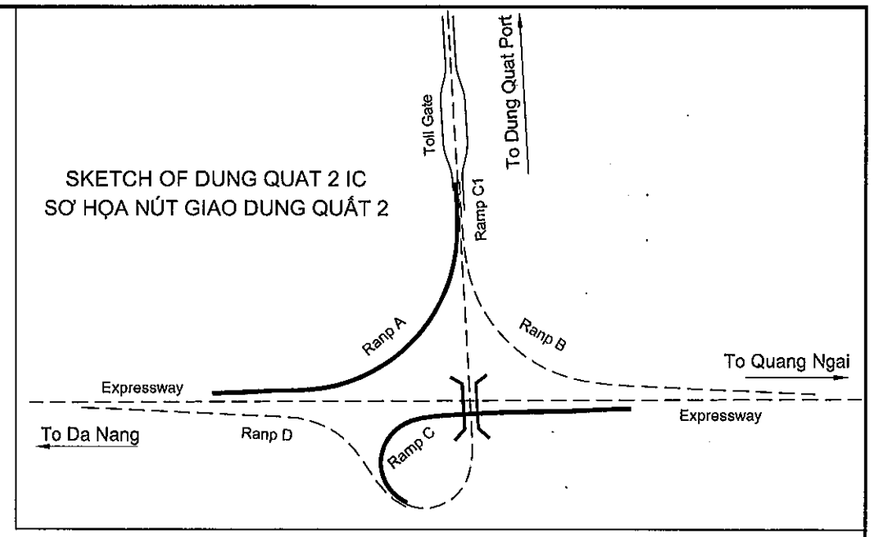
1/400
1/2000

PROFILE ĐỘ DỐC DỌC	i=3.000% L=180.000m						26.848					i=-3.000% L=210.000m						20.548
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	23.848	24.448	25.048	25.618	25.978	26.098	25.978	25.618	25.048	24.448	23.848	23.248	22.648	22.048	21.448	20.848		
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	21.223	20.628	20.256	18.819	17.893	17.348	17.395	16.980	16.767	16.758	16.672	16.583	15.953	15.468	14.233	13.777		
STATION LÝ TRÌNH	0+440.000	0+460.000	0+480.000	0+500.000	0+520.000	0+540.000	0+560.000	0+580.000	0+600.000	0+620.000	0+640.000	0+660.000	0+680.000	0+700.000	0+720.000	0+740.000	0+760.000	
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	440.000	460.000	480.000	500.000	515.376 520.000	540.000	560.000	580.000	600.000	618.130 620.000	640.000	660.000	680.000	700.000	718.000 720.000	740.000	760.000	
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG									A=73.323 L=85.677m				L=84.896m R=62.750m					
SUPER ELEVATION SIÊU CAO								-2.000% 0+579.427 -2.000%				6.000% 0+665.104 6.000%						

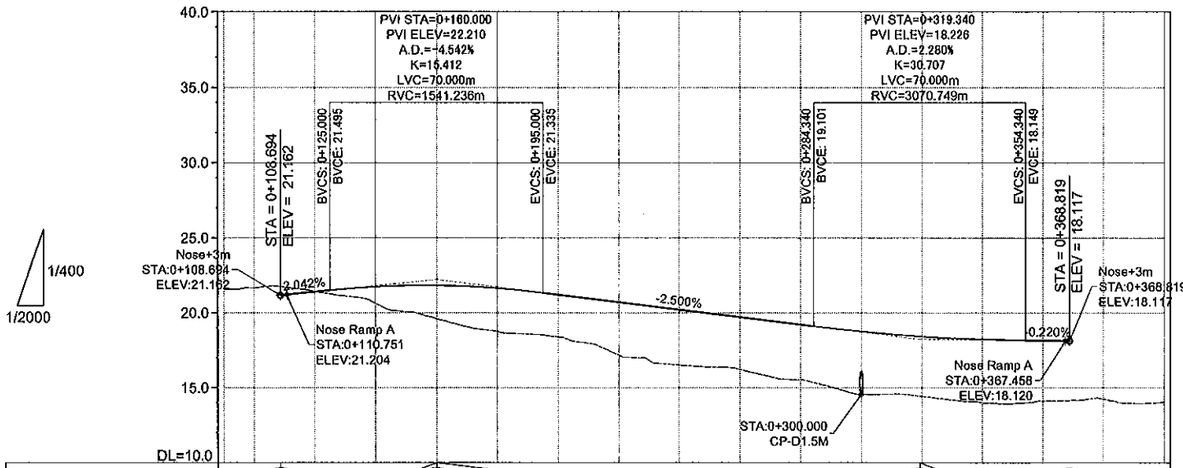
MINISTRY OF TRANSPORT VIETNAM	ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: PKGA4 Station: Km110+100 - Km124+700
CLIENT: VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT CONSULTANT: PROJECT MANAGEMENT UNIT NO.85	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	

	PREPARED BY	CHECKED BY	APPROVED BY	DUNG QUAT 2 INTERCHANGE-NÚT GIAO DUNG QUẤT 2 PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1 (2/2)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKGA4-IC3-PP-10	4

PATH - D:\...THUAN\...EXPRESSWAY\...10. BASIC DESIGN (FINAL-130822)\...IC-DUNGQUAT2\...ACAD FILES\...ACAD-02\PROFILE DUNG QUAT 2 IC 130529.DWG - SHEET: PROFILE - JUN 21, 2013



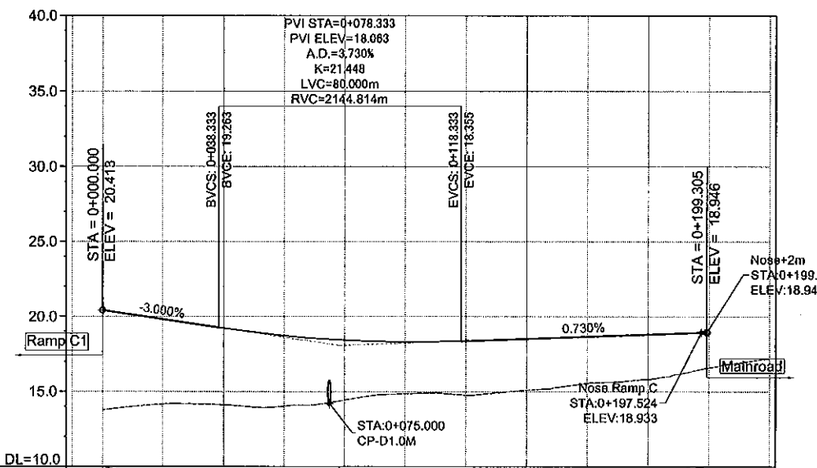
Profile of Ramp A
Trắc dọc Ramp A



PROFILE ĐỘ DỐC DỌC	21.162	i=2.042% L=51.306m	22.210	i=-2.500% L=159.340m	18.226	i=-0.220% L=49.478m	18.117

PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	21.393	21.728	21.812	21.637	21.210	20.710	20.210	19.710	19.210	18.749	18.417	18.214	18.136		
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	21.599	21.654	21.422	20.616	19.603	18.732	18.389	17.180	16.520	16.214	15.534	14.541	14.415	14.002	14.112	14.235	14.036
STATION LÝ TRÌNH	0+090.000	0+100.000	0+120.000	0+140.000	0+160.000	0+180.000	0+200.000	0+220.000	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000	0+400.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	100. 000	120. 000	140. 000	160. 000	180. 000	191. 841	200. 000	220. 000	240. 000	260. 000	280. 000	295. 429 300. 000	320. 000	340. 000	360. 000	380. 000	399. 017
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG	L=314.907m R=220.000m																
SUPER ELEVATION SIÊU CAO	2.000% 0+160.190 -2.000%												2.000% 0+314.343 -2.000%				

Profile of Ramp C
Trắc dọc Ramp C



PROFILE ĐỘ DỐC DỌC	20.413	i=-3.000% L=78.333m	18.063	i=0.730% L=120.972m	18.946

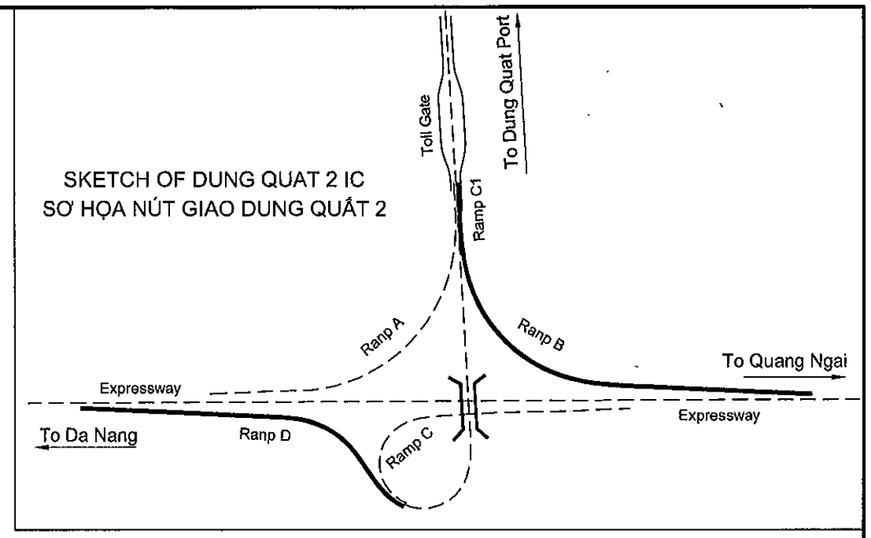
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	20.413	19.813	19.214	18.722	18.418	18.300	18.367	18.513	18.659	18.805	
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	13.769	14.149	14.090	14.007	14.424	14.856	14.745	15.084	15.542	15.809	16.579	17.201
STATION LÝ TRÌNH	0+010.000	0+000.000	0+020.000	0+040.000	0+060.000	0+080.000	0+100.000	0+120.000	0+140.000	0+160.000	0+180.000	0+200.000	0+220.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	-10. 000	20. 000	40. 000	60. 000 64. 349	80. 000	91. 615	100. 000	120. 000	140. 000	160. 000	180. 000	197. 883 200. 000	
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG	L=128.697m R=60.000m					A=60.021 L=60.000m							
SUPER ELEVATION SIÊU CAO	6.000% 0+126.697 -6.000%						2.000% 0+186.697 -2.000%						

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

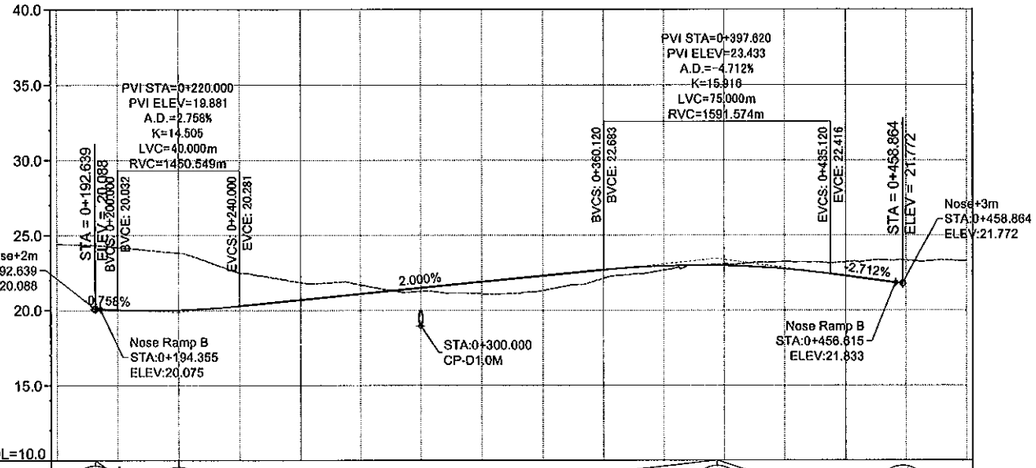
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: PKGA4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY	DUNG QUAT 2 INTERCHANGE-NÚT GIAO DUNG QUẤT 2		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP A&C-TRẮC DỌC NHÁNH A&C		
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKGA4-IC3-PP-11	4

PATH - D:_THUAN_EXPRESSWAY_1. BASIC DESIGN (FINAL-130522) _IC-DUNGQUAT2_1. ACAD FILES _ACAD-02-PROFILE DUNG QUAT 2 IC-130529.DWG - SHEET: PROFILE - JUN 21, 2013



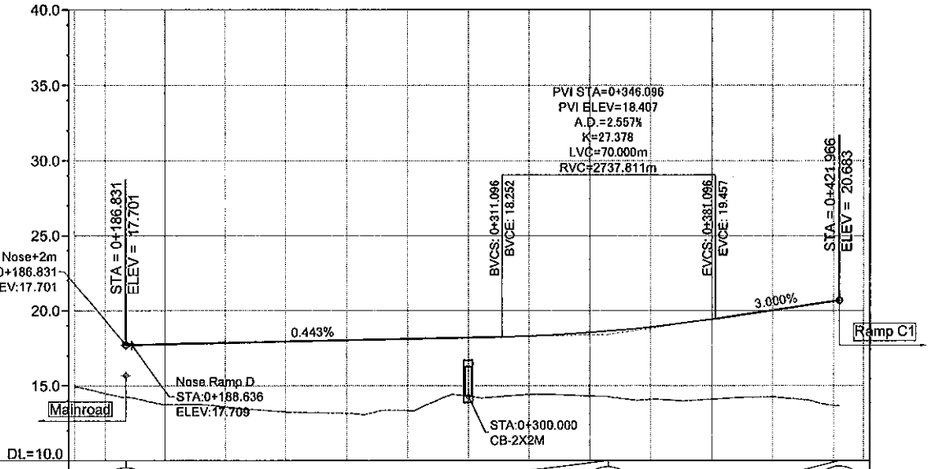
Profile of Ramp B
Trắc dọc Ramp B



PROFILE ĐỘ DỐC DỌC	20.088	i=0.756% L=47.361m	19.881	i=2.000% L=177.620m	23.433	i=-2.712% L=61.244m	21.772	
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ		20.032	20.019	20.281	20.681	21.081	21.481	21.881
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	24.423	24.201	23.803	22.475	21.851	21.680	21.267	21.092
STATION LÝ TRÌNH	0+180.000	0+200.000	0+220.000	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN		200. 000	220. 000	240. 000	260. 000	280. 000	300. 000	320. 000
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG	A=141.421 L=100.000m				L=193.909m R=200.000m			
SUPER ELEVATION SIÊU CAO	2.000% 0+218.824 -2.000%				2.000% 0+331.120 -2.000%			

PROFILE ĐỘ DỐC DỌC	21.081	21.481	21.881	22.281	22.681	22.957	22.981	22.754	22.284	
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ										
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	21.680	21.267	21.092	21.321	22.114	22.662	23.079	23.231	23.211	23.317	23.295
STATION LÝ TRÌNH	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000	0+400.000	0+420.000	0+440.000	0+460.000	0+480.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	280. 000	300. 000	320. 000	340. 000	360. 000	380. 000	400. 000	420. 000	440. 000	460. 000	
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG											
SUPER ELEVATION SIÊU CAO											

Profile of Ramp D
Trắc dọc Ramp D



PROFILE ĐỘ DỐC DỌC	17.701	i=0.443% L=159.265m	18.407	i=3.000% L=75.871m	20.683	
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ		17.759	17.848	17.937	18.025	18.114	18.203	18.306	18.532	18.905	19.424	20.024	20.624
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	14.914	14.481	13.722	13.575	13.257	13.142	13.340	14.288	14.403	14.302	14.082	14.089	14.249	13.677
STATION LÝ TRÌNH	0+170.000	0+180.000	0+200.000	0+220.000	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000	0+400.000	0+420.000	0+430.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN		180. 000	200. 000	220. 000	240. 000	260. 000	280. 000	300. 000	320. 000	340. 000	360. 000	380. 000	400. 000	420. 000	430. 000
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG		A=80.000 L=53.333m		L=64.716m R=120.000m		A=70.000 L=40.833m		A=70.000 L=74.869m							
SUPER ELEVATION SIÊU CAO		2.000% 0+200.000 -2.000%				2.000% 0+330.263 -2.000%		6.000% 0+397.675 6.000%							

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: PKGA4 Station: Km110+100 - Km124+700

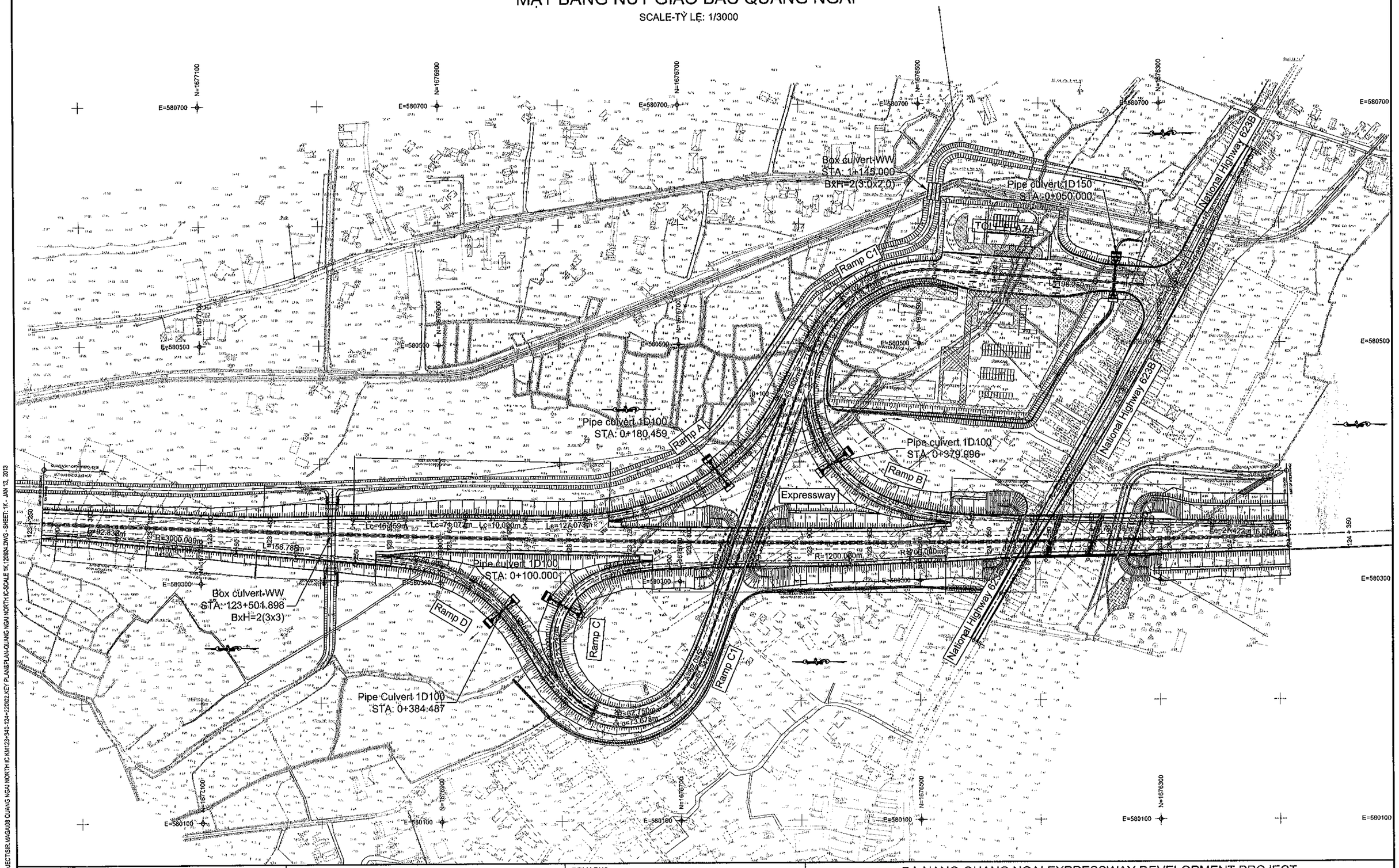
	PREPARED BY	CHECKED BY	APPROVED BY	DUNG QUAT 2 INTERCHANGE-NÚT GIAO DUNG QUẤT 2	
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP B&D-TRẮC DỌC NHÁNH B&D	
SIGNATURE				SCALE	DRAWING NO. / REV. NO.
DATE				AS SHOW	PKGA4-IC3-PP-12 / 4

PATH - D:\...THUAN\...EXPRESSWAY\...10. BASIC DESIGN (FINAL-130822)\...LIC-DUNGQUAT2\...ACAD FILES\...ACAD-02.PROFILE DUNG QUAT 2 IC.159229.DWG - SHEET: PROFILE - JUN 21, 2013

E9. QUANG NGAI NORTH INTERCHANGE
E9. NÚT GIAO BẮC QUẢNG NGÃI

PLAN OF QUANG NGAI NORTH INTERCHANGE
MẶT BẰNG NÚT GIAO BẮC QUẢNG NGÃI

SCALE-TỶ LỆ: 1/3000



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF QUANG NGAI NORTH INTERCHANGE MẶT BẰNG NÚT GIAO BẮC QUẢNG NGÃI		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	SCALE	DRAWING NO.	REV. NO.
SIGNATURE				1/3000	PKGA4-IC2-PP-010	3
DATE						

PATH - D:_02.CAREER\DN-QN PROJECT\SIR-MAGA\08 QUANG NGAI NORTH IC KM123+540-124+220\02.KEY PLAN&PLAN-QUANG NGAI NORTH IC-SCALE 1K.120924.DWG - SHEET: 1K - JAN 13, 2013

000324

QUANG NGAI NORTH INTERCHANGE
NÚT GIAO BẮC QUẢNG NGÃI

LIMIT OF INTERCHANGE
KM 123+260

ACCELERATION LENGTH
ĐOẠN TĂNG TỐC L= 213.134m

TAPER LENGTH
ĐOẠN VUỐT L = 75m

R=1200.000m
Lc=71.072m

R=700.000m
Lc=46.459m

L=92.830m

R=3000.000m
Lc=18.158m

L=156.785m

EXTEND TAPER/
ĐOẠN VUỐT KÉO DÀI
L = 76,001m

TAPER LENGTH /
ĐOẠN VUỐT L = 91,266m

DECELERATION LENGTH
ĐOẠN GIẢM TỐC L= 160,019m

R=80.000
Ls=53.333m

R=320.000m
Ls=53.360m

R120

Ramp D

Box culvert-WW
STA: 123+601.898
BxH=2(3x3)

QNN-08

Pipe Culvert 1D100
STA: 0+384.487

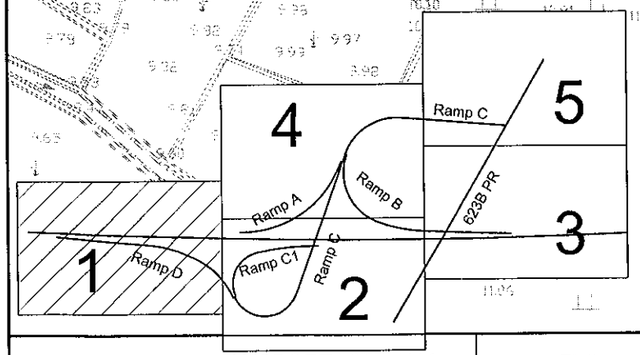
paddy field

ruộng hoa màu

E=580300

N=1690900

22kV đợt 1.3m



PATH - D:_02.CAREER\ON-QN PROJECTS\R-NAGA\08 QUANG NGAI NORTH IC KM123+340-124+220\02.KEY PLAN&PLAN-QUANG NGAI NORTH IC-SCALE 1K-123924.DWG - SHEET: 1K - JAN 13, 2013

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO
SIGNATURE			
DATE			

PLAN OF QUANG NGAI NORTH INTERCHANGE (1/5)
MẶT BẰNG NÚT GIAO BẮC QUẢNG NGÃI (1/5)

SCALE	DRAWING NO.	REV. NO.
1/1000	PKGA4-IC2-PP- 010	3

Ramp B
Expressway
Ramp C
Ramp C1
Ramp D
Ramp A
Ramp B
Ramp C
623B PR
Ramp C1
Ramp D
Pipe culvert 1D100
STA: 0+100.000
ACCELERATION LENGTH
ĐOẠN TĂNG TỐC L= 244.698m
TRƯỜNG HỌC
BRIDGE AREA / PHẠM VI CẦU
paddy field
ruộng mía mậu
R=1200.000m
Lc=83.055m
R=700.000m
Lc=39.902m
R=2000.000m
Lc=174.244m
R=62.750m
Lc=73.878m
R=60.000m
Lc=123.232m
R=180.000m
Lc=147.364m
Rs=16369.365m
Lc=10.000m
A=152.132
Ls=127.073m
A=115.236
Ls=132.793m
A=65.802
Ls=70.000m
A=70.000
Ls=74.509m
R06
R60
R62.75
E=580360
N=1676000
QNN-04
10.146

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF QUANG NGAI NORTH INTERCHANGE (2/5) MẶT BẰNG NÚT GIAO BẮC QUẢNG NGÃI (2/5)	
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO		
SIGNATURE				SCALE	DRAWING NO. / REV. NO.
DATE				1/1000	PKGA4-IC2-PP-020 / 3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\08 QUANG NGAI NORTH IC KM123+340+124+22\002.KEY PLAN&PLAN-QUANG NGAI NORTH IC-SCALE 1IK-120394.DWG - SHEET: 1IK - JAN 13, 2013

CANTEEN

National Highway 623B

TRƯỜNG MẦM NON KIM PHỤC

QUANG NGAI NORTH INTERCHANGE

NÚT GIAO BẮC QUẢNG NGÃI

LIMIT OF INTERCHANGE

KM 124+300

DECELERATION LENGTH
ĐOẠN GIẢM TỐC L= 101,854m

TRẠM BIẾN ÁP 1NM 110/15

TAPER LENGTH
ĐOẠN VUỐT L= 91,108m

EXTEND TAPER / ĐOẠN VUỐT KÉO DÀI
L=75,017m

R=2000.000m
Lc=179.435m

R=2000.000m
Lc=27.422m

L=16.606m

R=2000.000m
Lc=161.80m

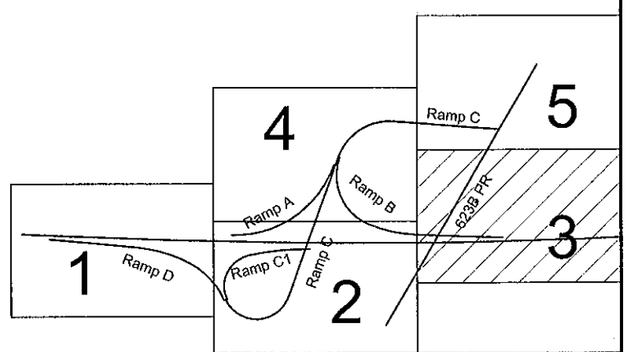
paddy field

E=580300

N=1676100

National Highway 623B

C5-70
9.250

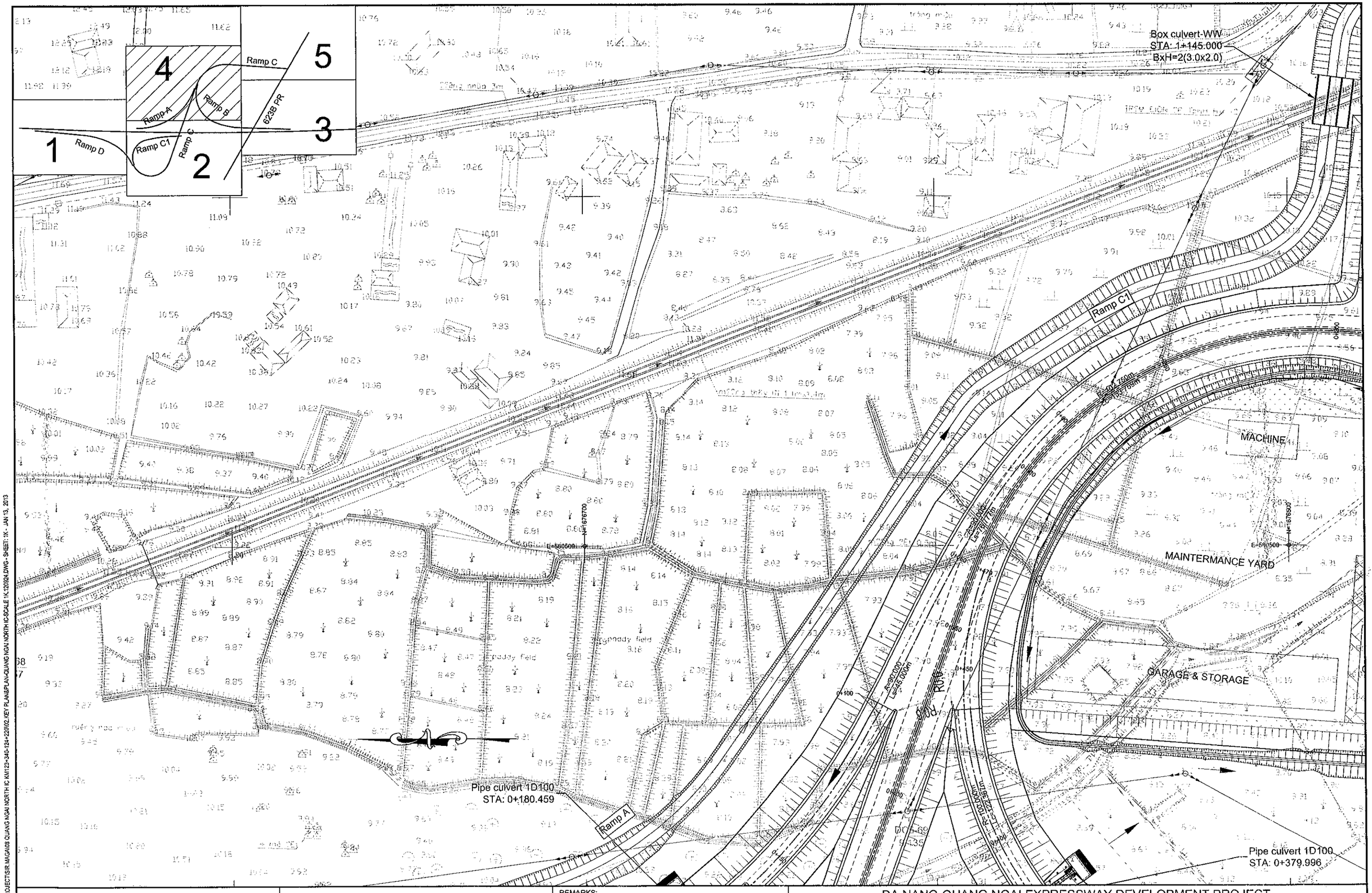


MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	PLAN OF QUANG NGAI NORTH INTERCHANGE (3/5) MẶT BẰNG NÚT GIAO BẮC QUẢNG NGÃI (3/5)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO			
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				1/1000	PKGA4-IC2-PP-030	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\08 QUANG NGAI NORTH IC\KM123+340-124+220\02.KEY PLAN&PLAN-QUANG NGAI NORTH IC-SCALE 1K-12/26/24.DWG - SHEET: 1K - JAN 13, 2013



PATH - D:_02.CAREER\DN-QN PROJECT\SIR MAGA\08 QUANG NGAI NORTH IC KM123-340-124+220\02.KEY PLAN\PLAN-QUANG NGAI NORTH IC\SCALE 1\C120924.DWG - SHEET: 1X - JAN 13, 2013

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO
SIGNATURE			
DATE			

PLAN OF QUANG NGAI NORTH INTERCHANGE (4/5)

MẶT BẰNG NÚT GIAO BẮC QUẢNG NGÃI (4/5)

SCALE	DRAWING NO.	REV. NO.
1/1000	PKGA4-IC2-PP- 050	3

Pipe culvert 1D150
STA: 0+050.000

GPS63
11.129

National Highway 623B

R=1000.00m
L=90.50m

R=1000.00m
L=138.39m

L=108.39m

TOLL PLAZA

MANAGEMENT OFFICE

BIKE

PARKING

SÂN VẬN ĐỘNG XÃ TỊNH HÀ
(CHỢ TẠM)

CAFE NGOC LINH

CANG NOM B

N=1576300
E=580700

N=1576100
E=580760

N=1576300
E=580500

Ramp A
Ramp B
Ramp C
Ramp C1
Ramp D
623B PR

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	ISHIMOTO
SIGNATURE			
DATE			

PLAN OF QUANG NGAI NORTH INTERCHANGE (5/5)
MẶT BẰNG NÚT GIAO BẮC QUẢNG NGÃI (5/5)

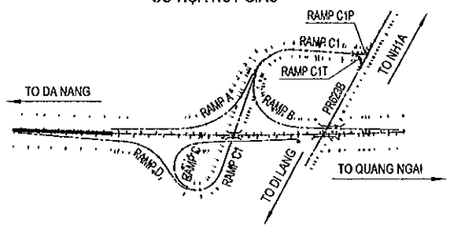
SCALE	DRAWING NO.	REV. NO.
1/1000	PKGA4-IC2-PP- 060	3

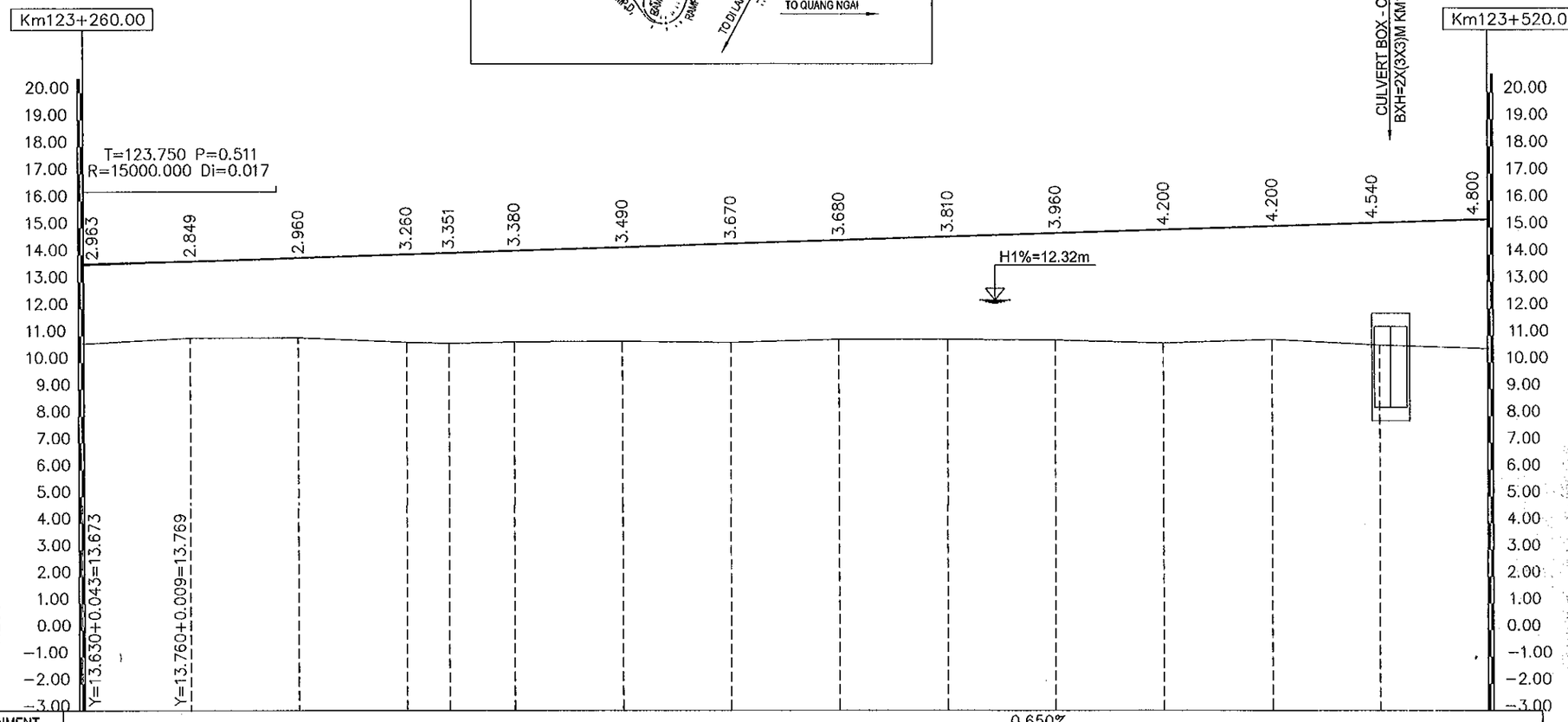
PATH - D:_02.CAREER\ION PROJECT\SIR.MAGA\08 QUANG NGAI NORTH IC KM123+340-124+220\02.HEY PLAN\8-PLAN-QUANG NGAI NORTH IC-SCALE 1K.120924.DWG - SHEET: 1X - JAN 13, 2013

TO DA NANG

TO QUANG NGAI

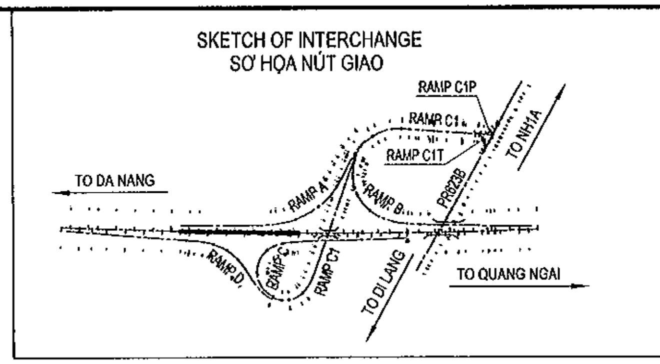
SKETCH OF INTERCHANGE
SƠ HỌA NÚT GIAO

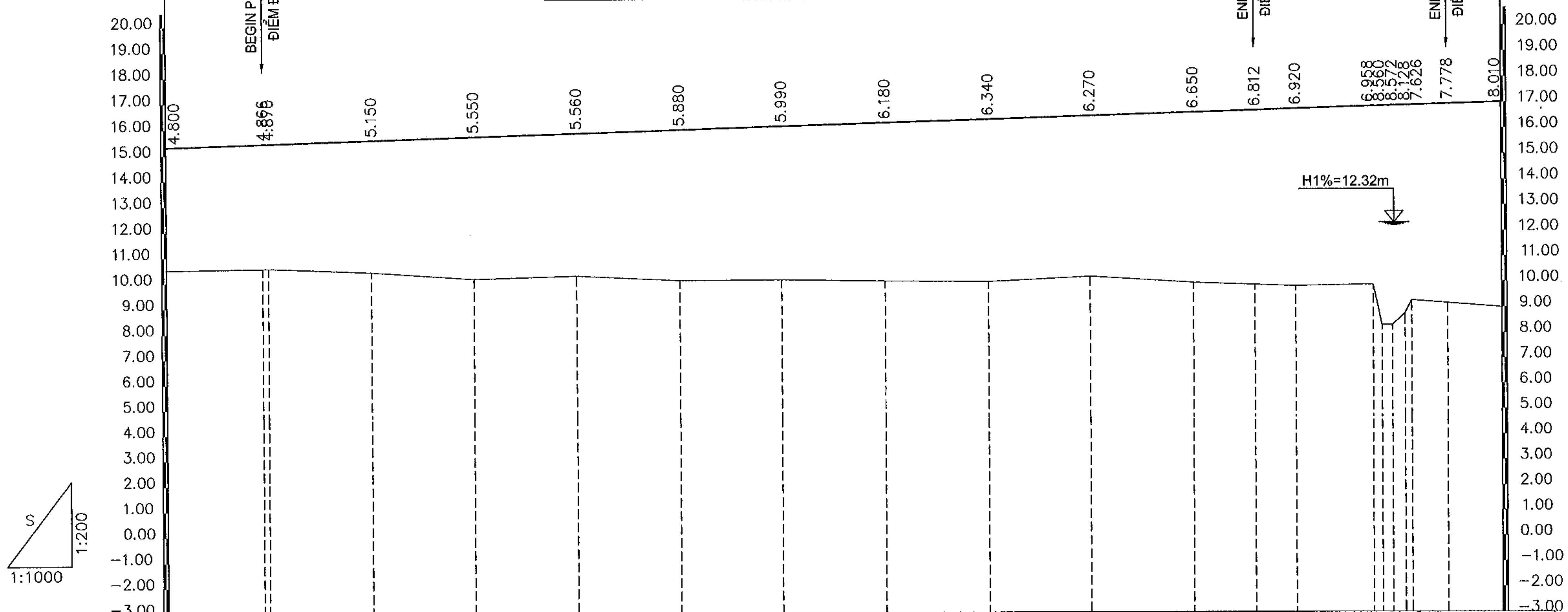




VERTICAL ALIGNMENT ĐỘ DỐC THIẾT KẾ	0.650% 877.636																							
FINISHED GRADE CAO ĐỘ THIẾT KẾ	13.673	13.769	13.890	14.020	14.071	14.150	14.280	14.410	14.540	14.670	14.800	14.930	15.060	15.190	15.320									
EXISTING GROUND CAO ĐỘ THIÊN NHIÊN	10.71	10.92	10.93	10.76	10.72	10.77	10.79	10.74	10.86	10.86	10.84	10.73	10.86	10.65	10.52									
STATION LÝ TRÌNH CỌC	123260.00	123280.00	123300.00	123320.00	123327.84	123340.00	123360.00	123380.00	123400.00	123420.00	123440.00	123460.00	123480.00	123500.00	123520.00									
STAKE NAME TÊN CỌC	12	13	H3	14	15	16	17	18	H4	19	20	21	22	H5	23									
HORIZONTAL ALIGNMENT ĐƯỜNG THẲNG - ĐƯỜNG CONG	A=2915.476 L=850.000m																							
SUPERELEVATION SIÊU CAO	123+260.00 -2.000%														-2.000%									

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: A4 Station: Km110+100 - Km124+700					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	PROFILE OF DN.QN EXW - QUANG NGAI NORTH INTERCHANGE (1/4) TRẮC DỌC ĐCT ĐN.QN - NÚT GIAO BẮC QUẢNG NGÃI (1/4)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO	SCALE	DRAWING NO. / REV. NO.
				SIGNATURE				H = 1/1000; V = 1/200	PKGA4-IC2-PP- 070 / 3
				DATE					





VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ: 0.650% ; 877.636

HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG: A=2915.476 ; L=850.000m

SUPERELEVATION / SIÊU CAO: -2.000% ; -2.000%

STATION / LÝ TRÌNH CỌC	STAKE NAME / TÊN CỌC	FINISHED GRADE / CAO ĐỘ THIẾT KẾ	EXISTING GROUND / CAO ĐỘ THIÊN NHIÊN
123520.00	23	15.320	10.52
123538.92	23C	15.443	10.58
123540.00	24	15.450	10.58
123560.00	25	15.580	10.43
123580.00	26	15.710	10.16
123600.00	H6	15.840	10.28
123620.00	27	15.970	10.09
123640.00	28	16.100	10.11
123660.00	29	16.230	10.05
123680.00	30	16.360	10.02
123700.00	H7	16.490	10.22
123720.00	31	16.620	9.97
123731.96	31C	16.698	9.89
123740.00	32	16.750	9.83
123755.13	33	16.848	9.89
123756.83	A	16.860	8.30
123758.03	34	16.872	8.30
123761.24	B	16.888	8.76
123762.53	35	16.896	9.27
123769.45	35C	16.941	9.16
123780.00	36	17.010	9.00

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

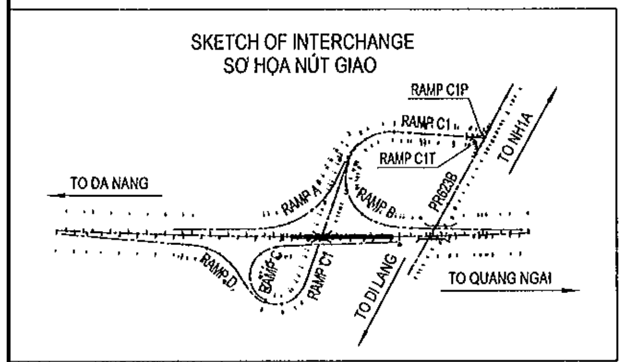
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

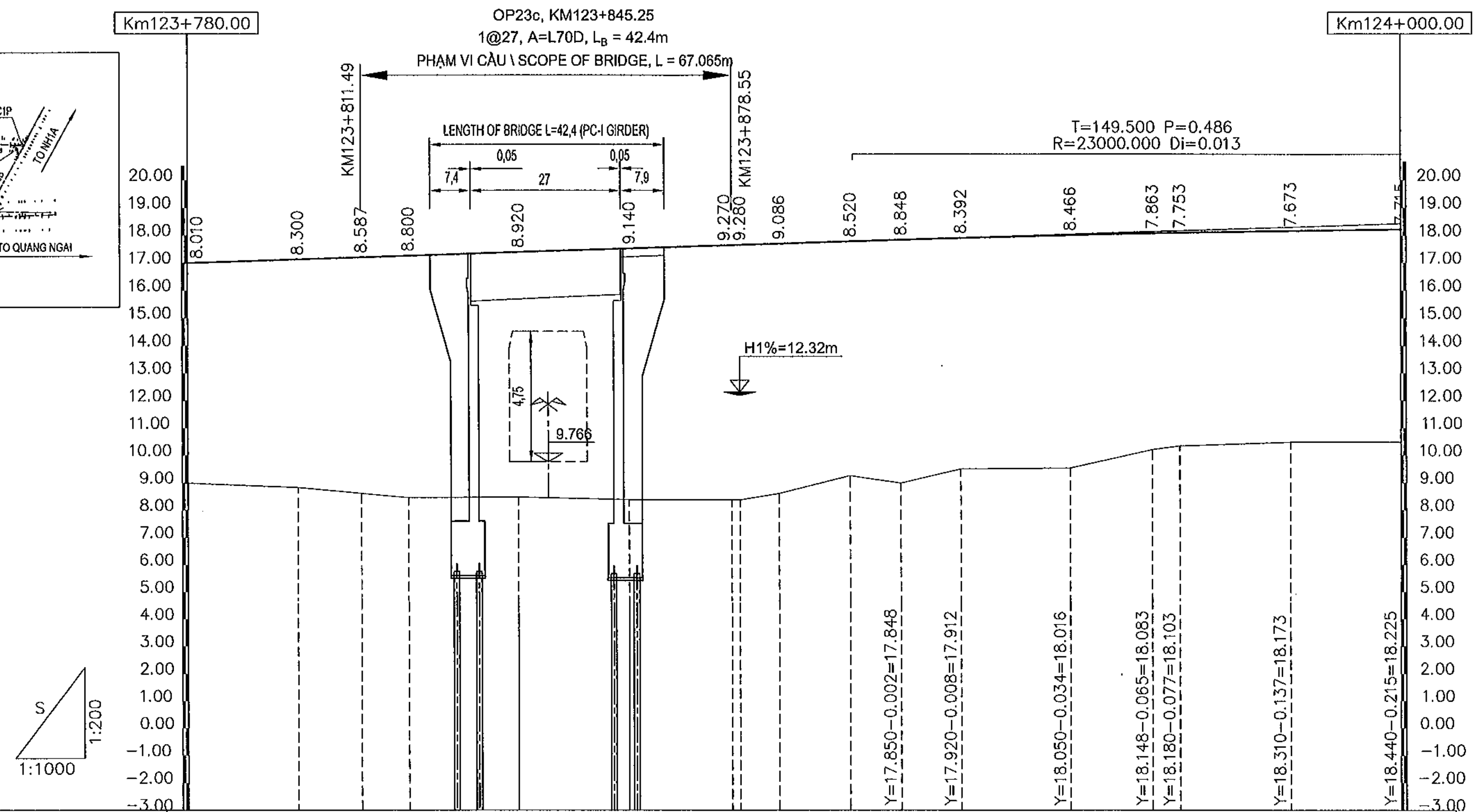
PROFILE OF DN.QN EXW - QUANG NGAI NORTH INTERCHANGE (2/4)
TRẮC DỌC ĐCT ĐN.QN - NÚT GIAO BẮC QUẢNG NGÃI (2/4)

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-IC2-PP- 080	9

TO DA NANG

TO QUANG NGAI





VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ: 0.650% — 877.636

STATION / LÝ TRÌNH CỌC	FINISHED GRADE / CAO ĐỘ THIẾT KẾ	EXISTING GROUND / CAO ĐỘ THIÊN NHIÊN	STAKE NAME / TÊN CỌC
123780.00	17.010	9.00	36
123800.00	17.140	8.84	H8
123811.49	17.215	8.63	023A
123820.00	17.270	8.47	37
123840.00	17.400	8.48	38
123860.00	17.530	8.39	39
123878.55	17.651	8.38	023B
123880.00	17.660	8.38	40
123887.12	17.706	8.62	41
123900.00	17.790	9.27	H9
123909.16	17.848	9.00	TD4
123920.00	17.912	9.52	42
123940.00	18.016	9.55	43
123955.00	18.083	10.22	44
123960.00	18.103	10.35	45A
123980.00	18.173	10.50	45
124000.00	18.225	10.51	KM124

HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG: A=2915.476, L=850.000m; L=217.951m, R=10000.000m

SUPERELEVATION / SIÊU CAO: −2.000%; 124+000.00; −2.000%

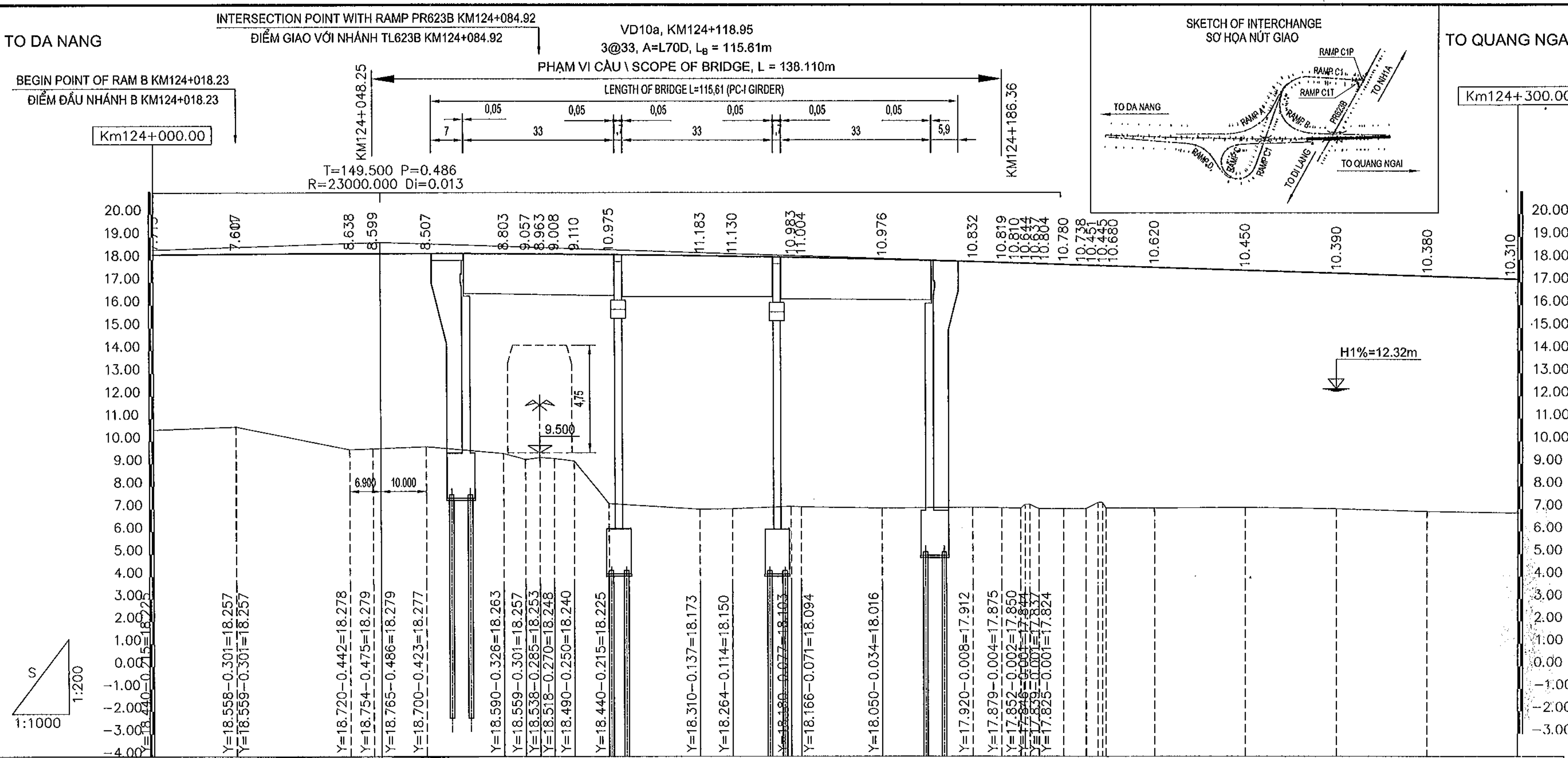
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PROFILE OF DN.QN EXW - QUANG NGAI NORTH INTERCHANGE (3/4)
TRẮC DỌC ĐCT ĐN.QN - NÚT GIAO BẮC QUẢNG NGÃI (3/4)

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-IC2-PP- 090	3



STATION / LÝ TRÌNH CỌC	FINISHED GRADE / CAO ĐỘ THIẾT KẾ	EXISTING GROUND / CAO ĐỘ THIÊN NHIÊN
124000.00	18.225	10.51
124018.23	18.257	10.65
124043.10	18.278	9.64
124048.25	18.279	9.68
124060.00	18.277	9.77
124077.00	18.263	9.46
124081.74	18.257	9.20
124084.92	18.253	9.29
124088.03	18.248	9.24
124092.36	18.240	9.13
124100.00	18.225	7.25
124120.00	18.173	6.99
124127.11	18.150	7.02
124140.00	18.103	7.12
124142.20	18.094	7.09
124160.00	18.016	7.04
124180.00	17.912	7.08
124186.36	17.875	7.06
124190.45	17.850	7.04
124191.45	17.844	7.20
124192.53	17.837	7.20
124194.62	17.824	7.02
124200.00	17.790	7.01
124204.95	17.758	7.02
124207.50	17.741	7.29
124208.50	17.735	7.29
124209.20	17.730	7.05
124220.00	17.660	7.04
124240.00	17.530	7.08
124260.00	17.400	7.01
124280.00	17.270	6.89
124300.00	17.140	6.83

VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ: 0.650% 877.636; 0.650% 400.000

STAKE NAME / TÊN CỌC:
P4 1 3 TG4 4 5 6 8 D E H2 10 G 12 13A H3
KM124 1C V10A 2 MN MN H1 TC4 7 9 V10B C A B F 11 13 14

HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG: L=217.951m R=10000.000m; A=2915.476 L=850.000m

SUPERELEVATION / SIÊU CAO: 124+000.00 −2.000%; 124+300.00 −2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

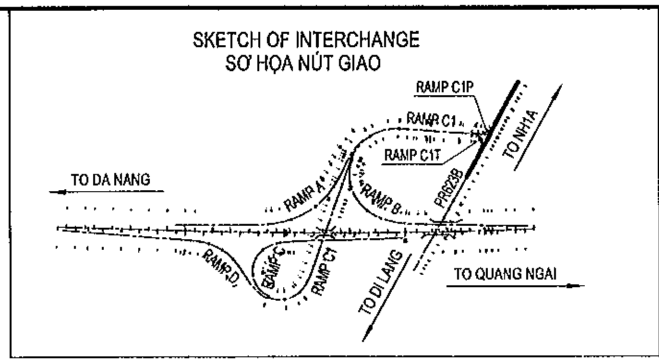
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

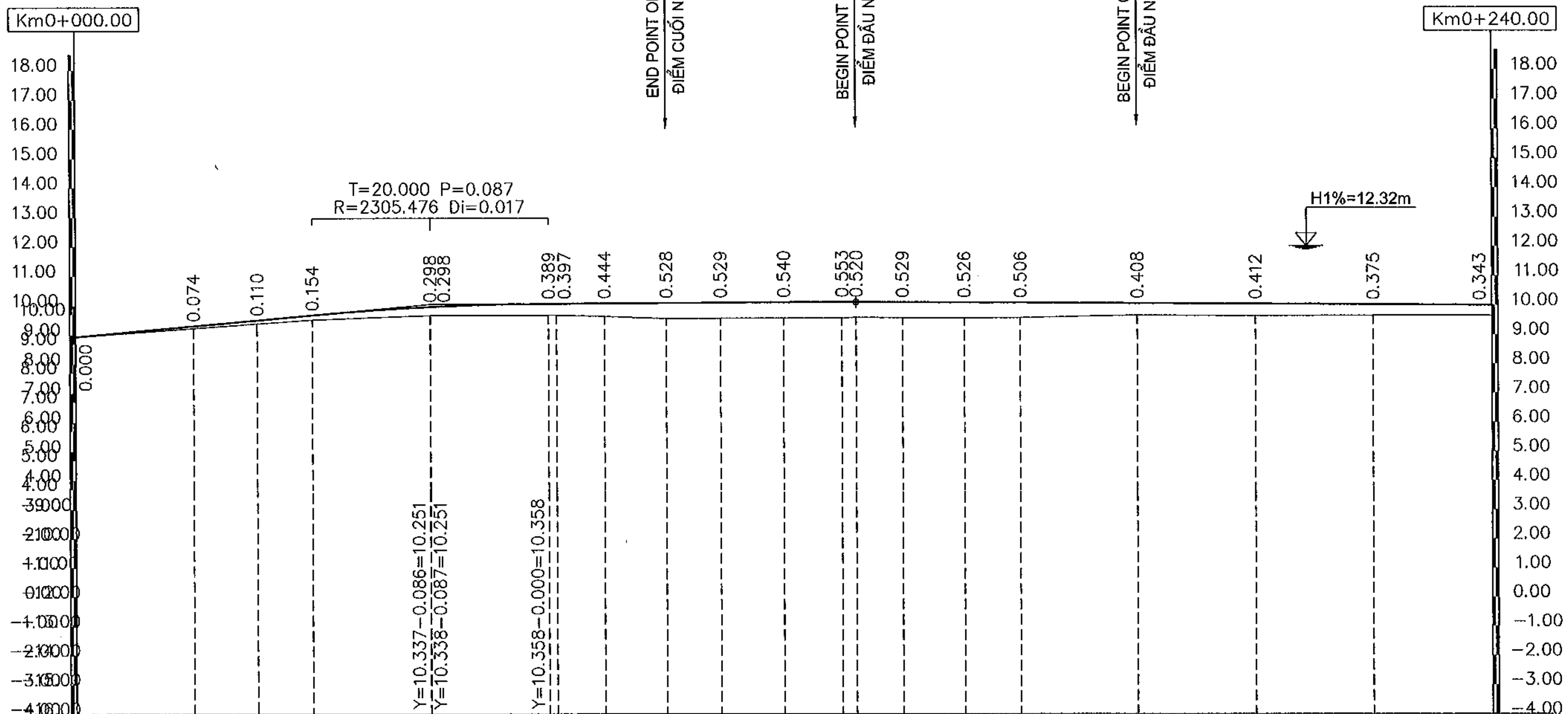
	PREPARED BY	CHECKED BY	APPROVED BY	PROFILE OF DN.QN EXW - QUANG NGAI NORTH INTERCHANGE (4/4) TRẮC DỌC ĐCT ĐN.QN - NÚT GIAO BẮC QUẢNG NGÃI (4/4)		
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO	SCALE	DRAWING NO.	REV. NO.
SIGNATURE				H = 1/1000; V = 1/200	PKGA4-IC2-PP- 100	3
DATE						

⇦ TO NH 1A

TO DI LANG ⇨

SKETCH OF INTERCHANGE
SƠ HỌA NÚT GIAO





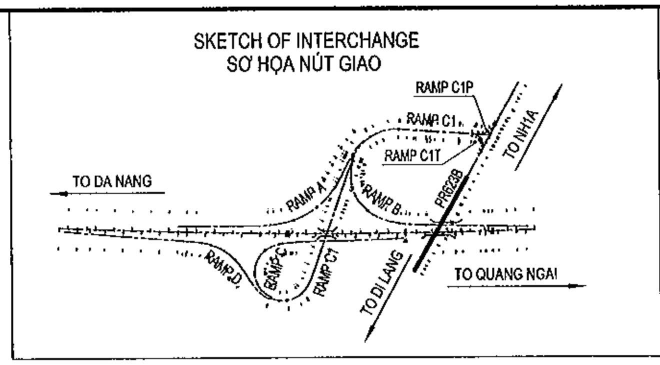
VERTICAL ALIGNMENT ĐỘ DỐC THIẾT KẾ	1.835% / 60.059				0.100% / 72.141						0.100% / 186.844							
FINISHED GRADE CAO ĐỘ THIẾT KẾ	9.236	9.603	9.799	9.970	10.251 10.251	10.358 10.359	10.367	10.378	10.387	10.398	10.408 10.410	10.402	10.392	10.382	10.362	10.342	10.322	10.302
EXISTING GROUND CAO ĐỘ THIÊN NHIÊN	9.24	9.53	9.69	9.82	9.95 9.95	9.97 9.96	9.92	9.85	9.86	9.86	9.86 9.89	9.87	9.87	9.88	9.95	9.93	9.95	9.96
STATION LÝ TRÌNH CỌC	0.00	20.00	30.69	40.00	60.00 60.06	80.00 81.34	89.43	100.00	109.29	120.00	129.84 132.20	140.00	150.39	160.00	180.00	200.00	220.00	240.00
STAKE NAME TÊN CỌC	BG	1	TD1	2	3 P1	4 C1	TC1	5	TD2	6	P2 7	8	TC2	9	10	11	12	13
HORIZONTAL ALIGNMENT ĐƯỜNG THẲNG - ĐƯỜNG CONG	L=30.690m		L=58.751m R=1000.000m				L=19.860m		L=41.096m R=1000.000m				L=146.400m					
SUPERELEVATION SIÊU CAO	0+000.00 −2.000%																	−2.000%

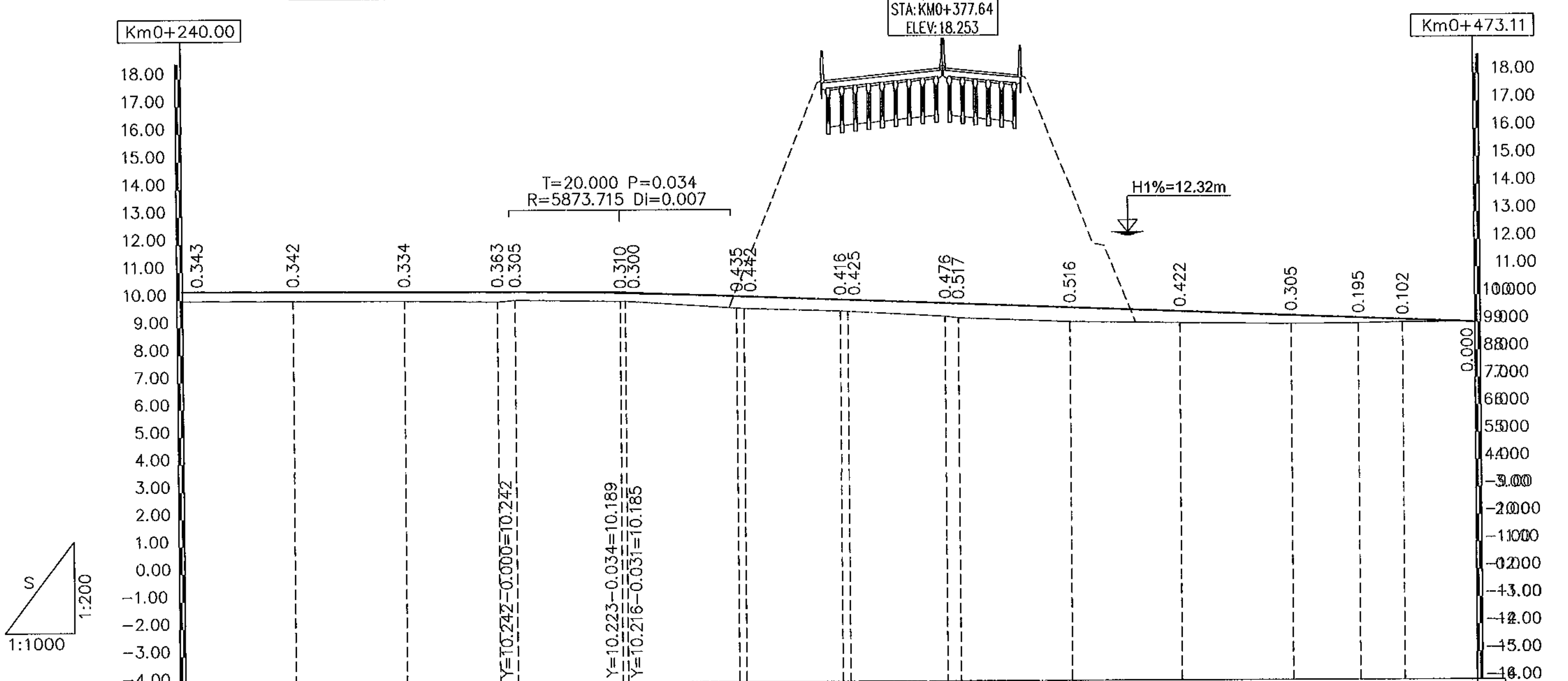
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: A4 Station: Km110+100 - Km124+700
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.		
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			

	PREPARED BY	CHECKED BY	APPROVED BY	PROFILE OF RAMP PR623B - QUANG NGAI NORTH INTERCHANGE (1/2) TRÁC DỌC NHÁNH TL623B - NÚT GIAO BẮC QUẢNG NGÃI (1/2)		
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO	SCALE	DRAWING NO.	REV. NO.
SIGNATURE	[signature]	[signature]	[signature]	H = 1/1000; V = 1/200	PKGA4-IC2-PP- 110	3
DATE						

TO NH 1A

TO DI LANG

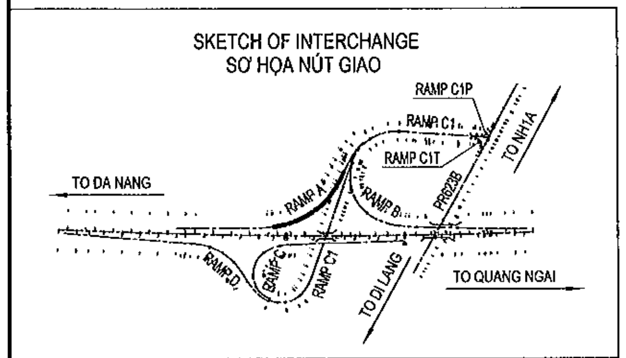


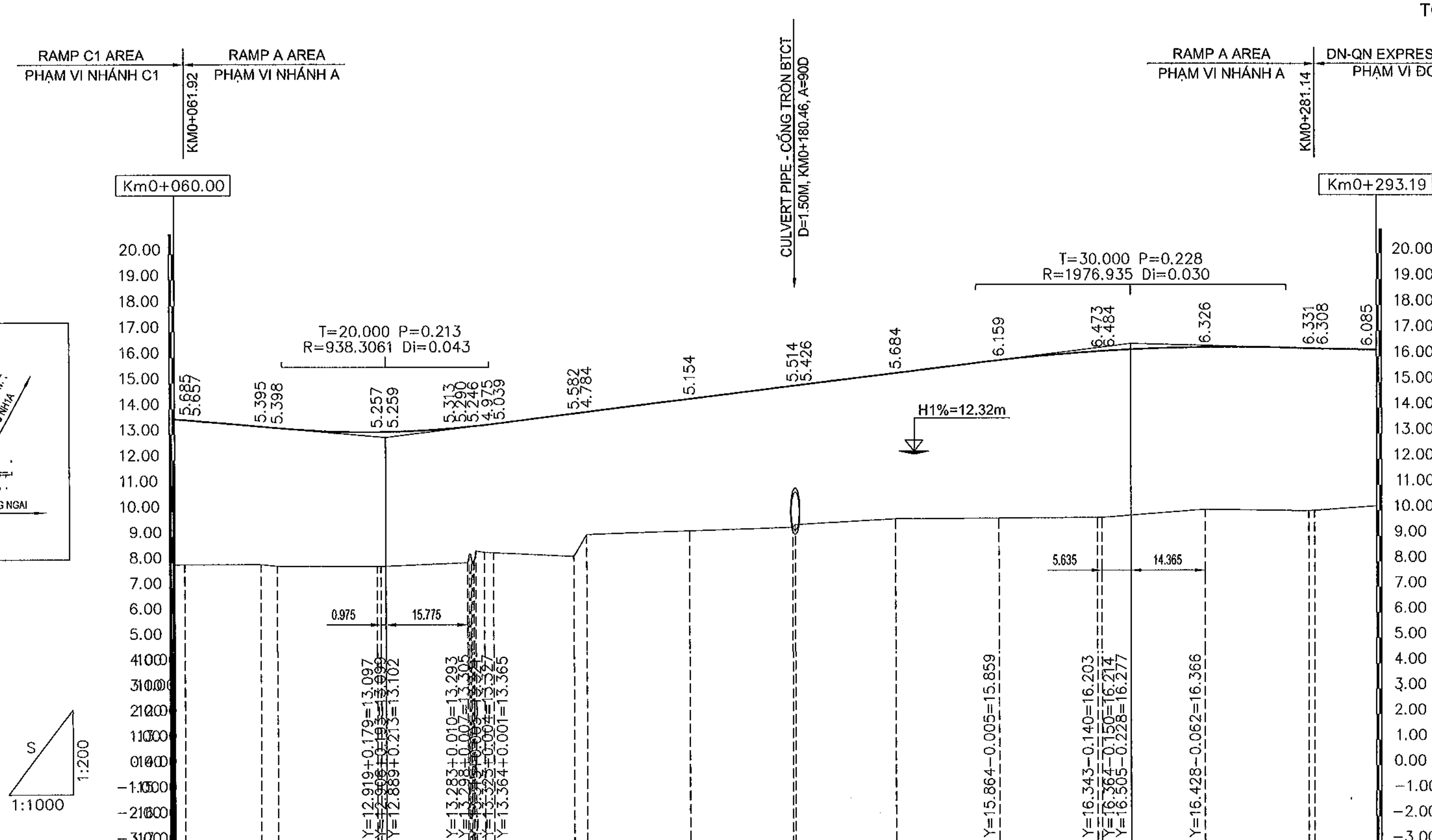


VERTICAL ALIGNMENT ĐỘ DỐC THIẾT KẾ	0.100% 186.844							0.781% 154.066											
FINISHED GRADE CAO ĐỘ THIẾT KẾ	10.302	10.282	10.262	10.245	10.242	10.189	10.185	10.060	10.049	9.914	9.903	9.766	9.747	9.591	9.435	9.279	9.184	9.122	9.020
EXISTING GROUND CAO ĐỘ THIÊN NHIÊN	9.96	9.94	9.93	9.88	9.94	9.88	9.88	9.63	9.61	9.50	9.48	9.29	9.23	9.07	9.01	8.97	8.99	9.02	9.02
STATION LÝ TRÌNH CỌC	240.00	260.00	280.00	296.79	300.00	319.04	320.00	340.00	341.30	358.62	360.00	377.64	380.00	400.00	420.00	440.00	452.07	460.00	473.11
STAKE NAME TÊN CỌC	13	14	15	TD3	16	P3	17	18	TC3	19	20	21=TG4	22	23	24	25	26	26	EN
HORIZONTAL ALIGNMENT ĐƯỜNG THẲNG - ĐƯỜNG CONG	L=146.400m			L=44.516m R=2500.000m				L=131.810m											
SUPERELEVATION SIÊU CAO	-2.000%																	0+473.11 -2.000%	

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: A4 Station: Km110+100 - Km124+700	
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85				

	PREPARED BY	CHECKED BY	APPROVED BY	PROFILE OF RAMP PR623B - QUANG NGAI NORTH INTERCHANGE (2/2) TRẮC DỌC NHÁNH TL623B - NÚT GIAO BẮC QUẢNG NGÃI (2/2)		
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO	SCALE	DRAWING NO.	REV. NO.
SIGNATURE				H = 1/1000; V = 1/200	PKGA4-IC2-PP- 120	3
DATE						





VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ	1.459% / 1.920	1.763% / 39.055	2.500% / 144.660	0.535% / 35.502	0.382% / 12.055

FINISHED GRADE / CAO ĐỘ THIẾT KẾ	13.605 13.577	13.315 13.258	13.097 13.099	13.293 13.305 13.310 13.321 13.327	13.802 13.864	14.364	14.864 14.876	15.364	15.859	16.203 16.214	16.366	16.321 16.315	16.269
EXISTING GROUND / CAO ĐỘ THIÊN NHIÊN	7.92 7.92	7.92 7.86	7.84 7.84	7.98 8.31 8.02 8.08 8.44	8.22 9.08	9.21	9.35 9.45	9.68	9.70	9.73 9.73	10.04	9.99 10.01	10.18
STATION / LÝ TRÌNH CỌC	60.00 61.92	76.78 80.00	99.27 100.00	116.75 117.35 117.55 118.05 118.35	137.50 140.00	160.00	180.00 180.46	200.00	220.00	239.14 240.00	260.00	280.00 281.14	293.19
STAKE NAME / TÊN CỌC	10C 10	XCD2 NC111	12 13	14 15 16 17 18 19 20 21 TD2	23 22	24	25 P2	26	27	TC2 28	29	30C 30	31C

HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG: A=90.000, L=76.777m; A=90.000, L=45.000m; L=117.364m, R=180.000m; A=152.132, Lr=127.073m

SUPERELEVATION / SIÊU CAO: 2.000%, 0+061.92, −0.700%; 2.000%, 0+076.78, −2.000%; 2.000%, 0+118.35, −2.000%; 2.000%, 0+281.14, −2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

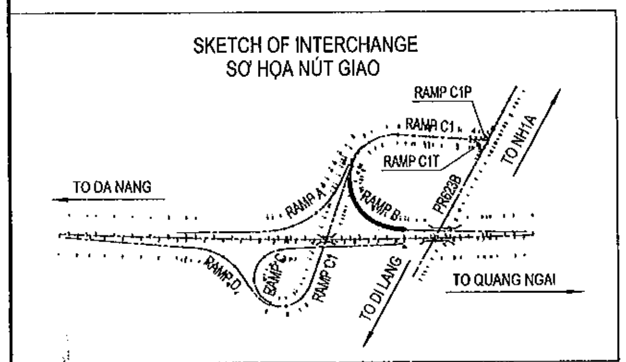
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE	for [signature]	[signature]	[signature]
DATE			

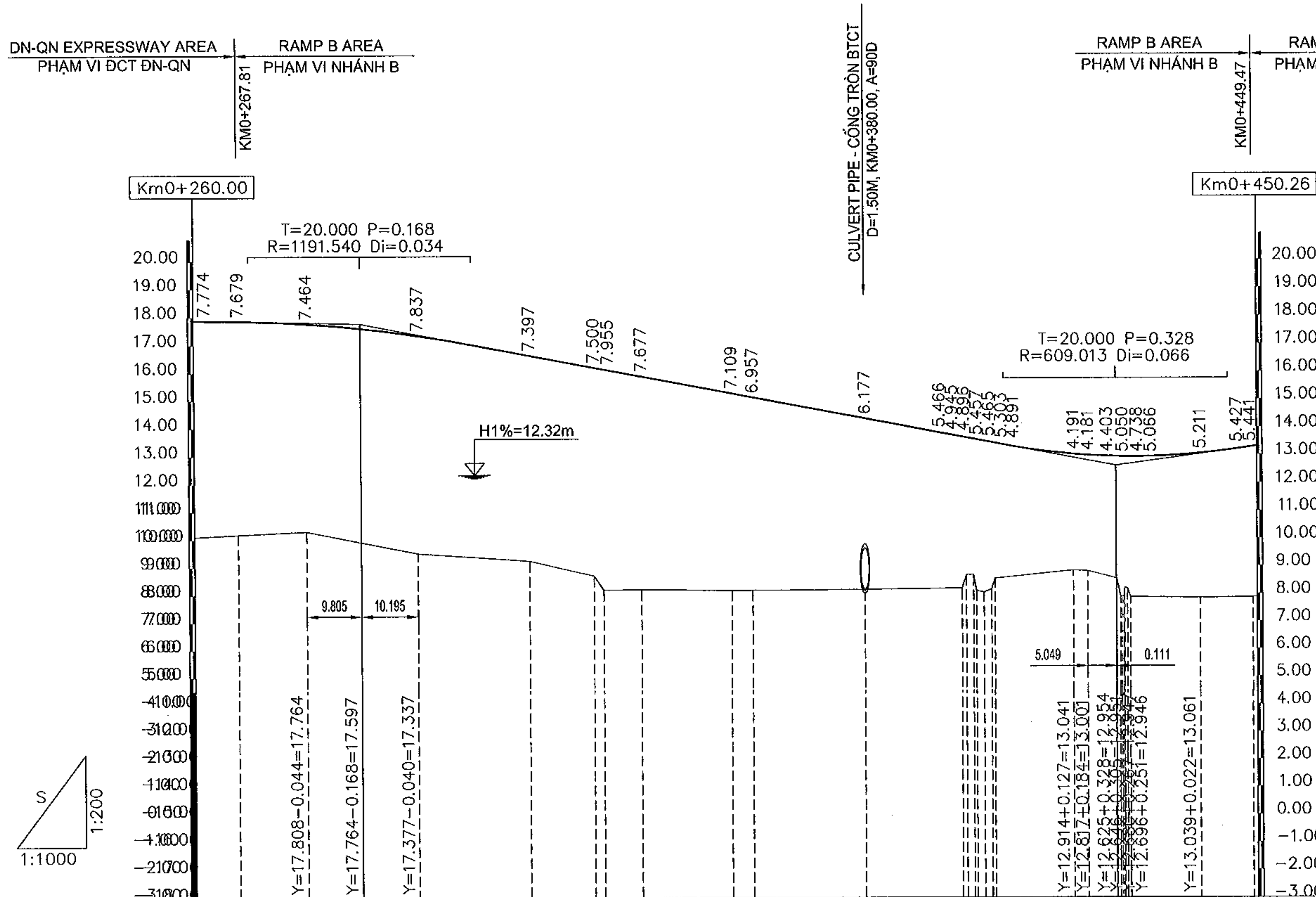
PROFILE OF RAMP A - QUANG NGAI NORTH INTERCHANGE
TRẮC DỌC NHÁNH A - NÚT GIAO BẮC QUẢNG NGÃI

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-IC2-PP- 130	3

⟸ TO QUANG NGAI

TO PR623B ⟹





VERTICAL ALIGNMENT ĐỘ DỐC THIẾT KẾ	7.805	0.282% / 22.000	0.443%	3.800% / 135.244										2.768% / 24.418		2.008% / 0.797
FINISHED GRADE CAO ĐỘ THIẾT KẾ	17.884	17.862	17.764	17.337	16.617	16.180 16.115	15.857	15.239 15.097	14.337	13.676 13.645 13.597 13.575 13.525 13.473 13.451	13.041 13.001	12.953 12.950 12.948 12.946	13.061	13.301 13.317		
EXISTING GROUND CAO ĐỘ THIÊN NHIÊN	10.11	10.18	10.30	9.50	9.22	8.68 8.16	8.18	8.13 8.14	8.16	8.21 8.70 8.70 8.12 8.06 8.17 8.56	8.85 8.82	8.55 8.21 7.90 7.88	7.85	7.87 7.88		
STATION LÝ TRÌNH CỌC	260.00	267.81	280.00	300.00	320.00	331.51 333.21	340.00	356.26 360.00	380.00	397.40 398.20 398.50 399.50 401.36 402.73 403.33	417.44 420.00	425.16 426.13 426.58 427.59	440.00	449.47 450.26		
STAKE NAME TÊN CỌC	25	25C	26	27	28	29 30	31	TD2 32	33	34 35 36 37 38 39 40	P2 41	42 43 44 45 46 47 42	48	48C 49C		
HORIZONTAL ALIGNMENT ĐƯỜNG THẲNG - ĐƯỜNG CONG	A=115.236 L=132.793m							L=122.367m R=100.000m								
SUPERELEVATION SIÊU CAO	2.000% 0+260.00 -2.000%											2.000% 0+440.00 -2.000%		1.500% 0+449.47 -1.500%		

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

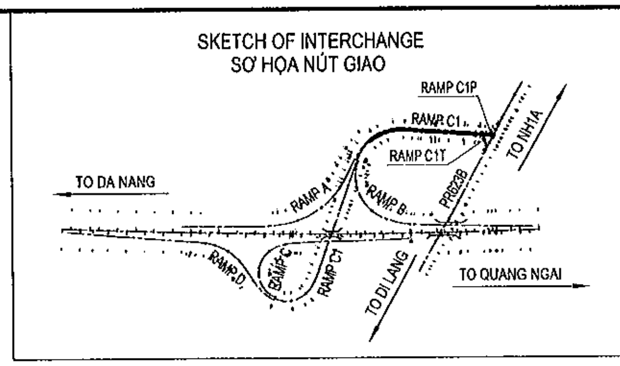
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

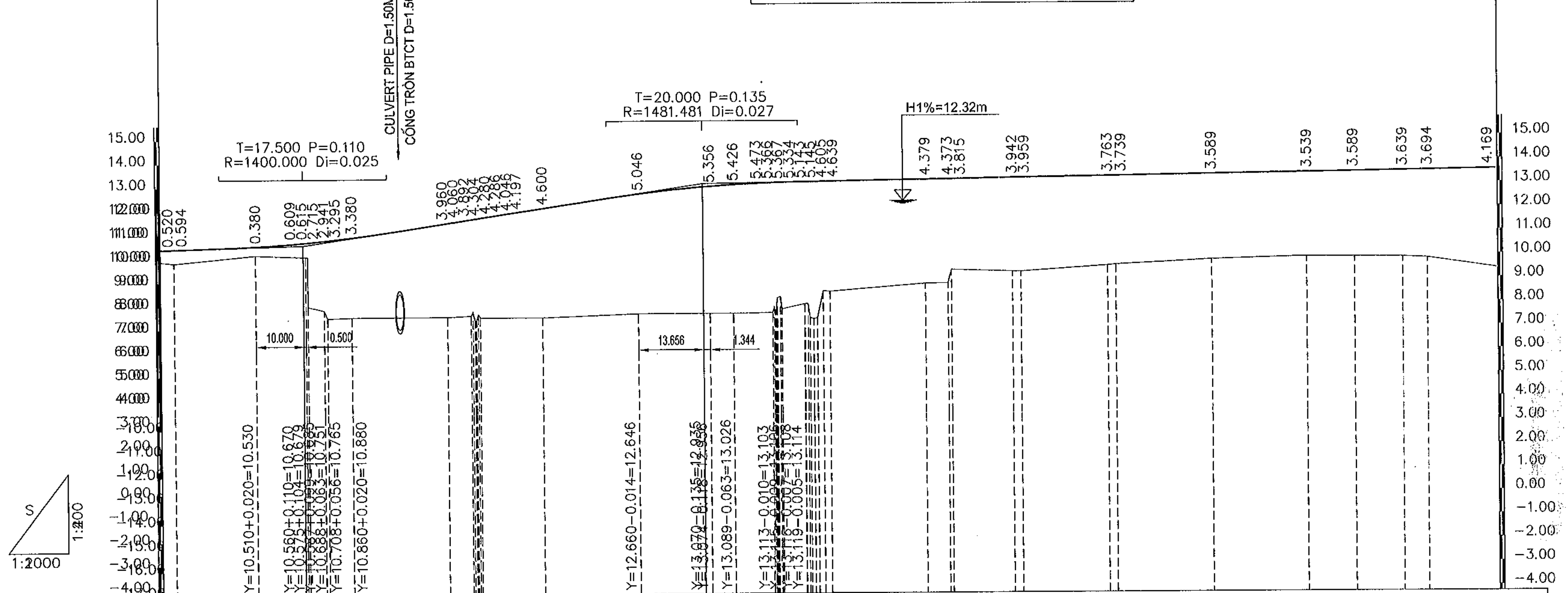
PROFILE OF RAMP B - QUANG NGAI NORTH INTERCHANGE
TRẮC DỌC NHÁNH B - NÚT GIAO BẮC QUẢNG NGÃI

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-IC2-PP- 140	3

TO PR623B

TO DI LANG





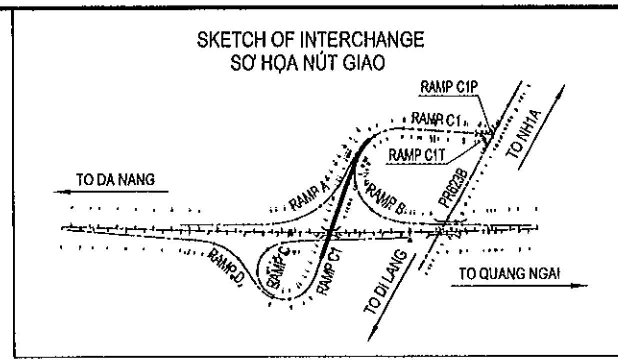
VERTICAL ALIGNMENT ĐỘ DỐC THIẾT KẾ	0.500% / 30.000			3.000% / 83.656					0.300% / 247.066										
FINISHED GRADE CAO ĐỘ THIẾT KẾ	10.410 10.424	10.530	10.679 10.685 10.685 10.751 10.765 10.880	11.460 11.610 11.624 11.634 11.640 11.646 11.656 11.667	12.060	12.646	12.956	13.026	13.103 … 13.149	13.209	13.223 13.225	13.263 13.269	13.323 13.329	13.389	13.449	13.479	13.509	13.524	13.569
EXISTING GROUND CAO ĐỘ THIÊN NHIÊN	9.89 9.83	10.15	10.07 10.07 7.97 7.81 7.47 7.50	7.50 7.55 7.33 7.33 7.36 7.36 7.61 7.47	7.46	7.60	7.60	7.60	7.63 7.74 8.25 8.31 7.99 7.99 7.36 7.54 8.51	8.83	8.85 9.41	9.32 9.31	9.56 9.59	9.80	9.91	9.89	9.87	9.83	9.40
STATION LÝ TRÌNH CỌC	0.00 2.86	20.00	30.50 30.88 30.88 34.26 34.94 40.00	60.00 65.00 65.40 65.80 66.00 66.25 66.55 66.90	80.00	100.00	115.00	120.00	128.16 128.73 129.05 129.76 134.75 135.51 136.66 138.61 140.00	160.00	164.70 165.40	178.26 180.00	198.26 200.00	220.00	240.00	250.00	260.00	265.14	280.00
STAKE NAME TÊN CỌC	DD 1	2	3 4 5 6 7 8	9 10 11 12 13 14 15 16	17	18	19	20	21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37	38	39 40	40C 41	TD1 42	43	44	45	46	P1	47
HORIZONTAL ALIGNMENT ĐƯỜNG THẲNG - ĐƯỜNG CONG	L=198.259m												L=133.759m R=102.750m						
SUPERELEVATION SIÊU CAO	0+000.00 −2.000%											0+178.26 −2.000%		0+218.26 2.000% −2.000%				2.000% −2.000%	

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: A4 Station: Km110+100 - Km124+700
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.		
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			

	PREPARED BY	CHECKED BY	APPROVED BY	PROFILE OF RAMP C1 - QUANG NGAI NORTH INTERCHANGE (1/3) TRẮC DỌC NHÁNH C1 - NÚT GIAO BẮC QUẢNG NGÃI (1/3)		
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO	SCALE	DRAWING NO.	REV. NO.
SIGNATURE				H = 1/1000; V = 1/200	PKGA4-IC2-PP- 150	3
DATE						

TO PR623B

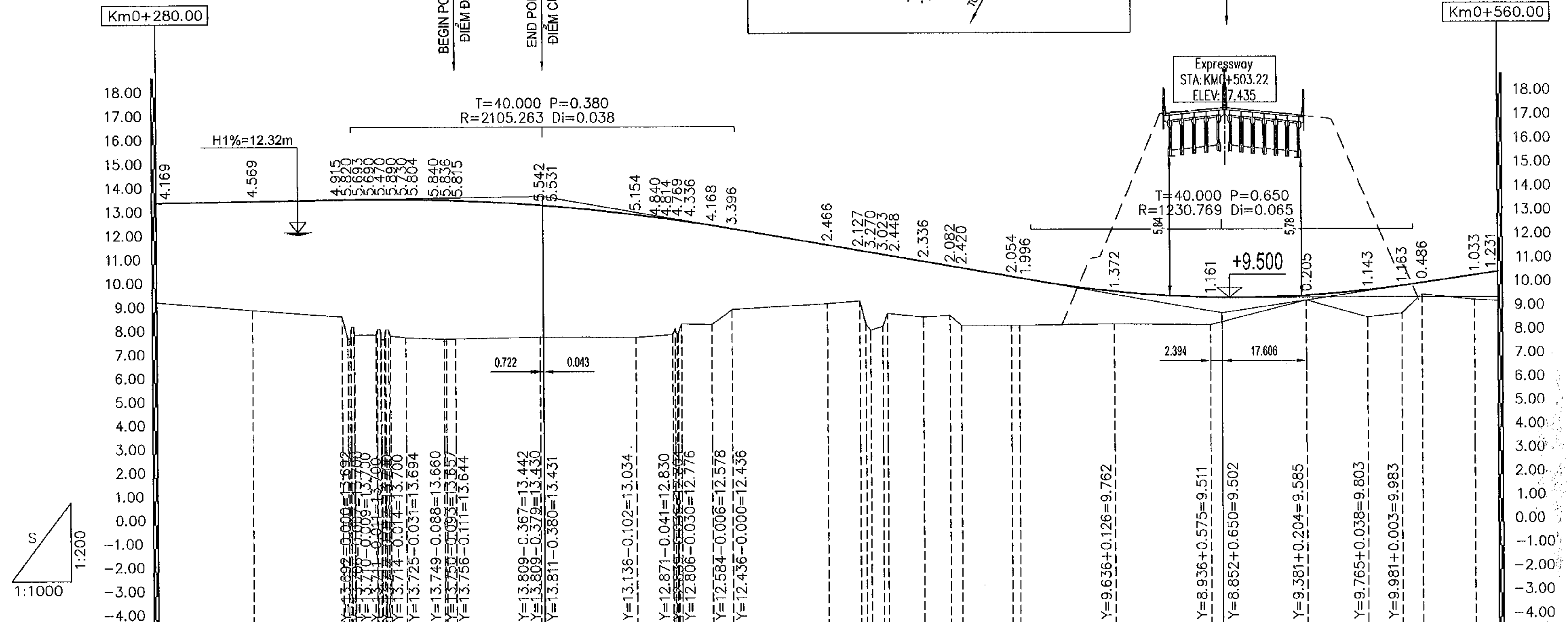
TO DN-QN EX.W



BEGIN POINT OF RAM A KM0+342.36
ĐIỂM ĐẦU NHÁNH A KM0+342.36

END POINT OF RAM B KM0+360.76
ĐIỂM CUỐI NHÁNH B KM0+360.76

INTERSECTION POINT WITH DN-QN EXW KM0+503.22
ĐIỂM GIAO VỚI ĐCT ĐN-QN KM0+503.22



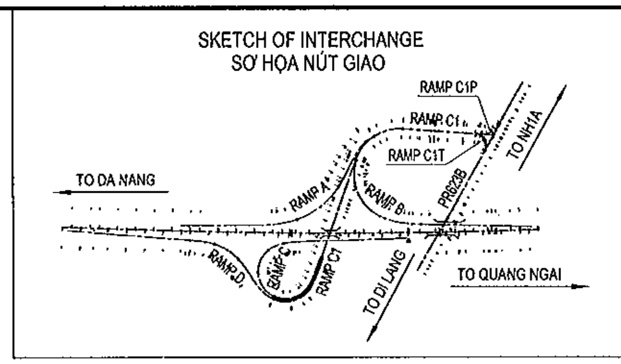
VERTICAL ALIGNMENT ĐỘ DỐC THIẾT KẾ	0.300% — 247.066; 3.500% — 141.672; 3.000% — 217.322
FINISHED GRADE CAO ĐỘ THIẾT KẾ	13.569, 13.629, 13.685, 13.691, 13.693, 13.700, 13.700, 13.700, 13.700, 13.694, 13.660, 13.657, 13.644, 13.442, 13.430, 13.034, 12.815, 12.804, 12.795, 12.776, 12.578, 12.436, 11.736, 11.497, 11.450, 11.429, 11.338, 11.298, 11.036, 10.842, 10.760, 10.394, 10.336, 9.762, 9.511, 9.585, 9.803, 9.983, 10.106, 10.433, 10.581
EXISTING GROUND CAO ĐỘ THIÊN NHIÊN	9.40, 9.06, 8.77, 7.84, 8.30, 8.00, 8.01, 7.81, 8.23, 7.97, 7.89, 7.82, 7.82, 7.83, 7.90, 7.90, 7.88, 8.25, 7.99, 8.06, 8.44, 8.41, 9.04, 9.27, 9.37, 9.40, 9.15, 8.31, 8.85, 8.70, 8.76, 8.34, 8.34, 8.34, 8.39, 8.35, 9.38, 8.66, 8.82, 9.62, 9.40, 9.35
STATION LÝ TRÌNH CỌC	280.00, 300.00, 318.80, 320.32, 320.69, 321.37, 325.87, 326.96, 327.86, 328.81, 332.02, 340.00, 340.46, 342.36, 360.00, 360.76, 380.00, 388.08, 388.47, 389.13, 389.43, 395.78, 400.00, 420.00, 426.82, 428.02, 429.02, 431.52, 432.52, 440.00, 445.55, 447.90, 458.35, 460.00, 480.00, 500.00, 520.00, 532.82, 540.00, 544.19, 555.08, 560.00
STAKE NAME TÊN CỌC	47, 48, 49, 50, 51, 52, 53, 54, 55, BO, CH, LM, BO, CH, BO, LM, BO, TC1, 56, 56B, 56C, 57, 57C, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85
HORIZONTAL ALIGNMENT ĐƯỜNG THẲNG - ĐƯỜNG CONG	L=133.759m R=102.750m; L=252.673m
SUPERELEVATION SIÊU CAO	2.000%, 2.000%, 0+312.02, −2.000%, −2.000%; 0+352.02, −2.000%; −2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: A4 Station: Km110+100 - Km124+700
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.		
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			

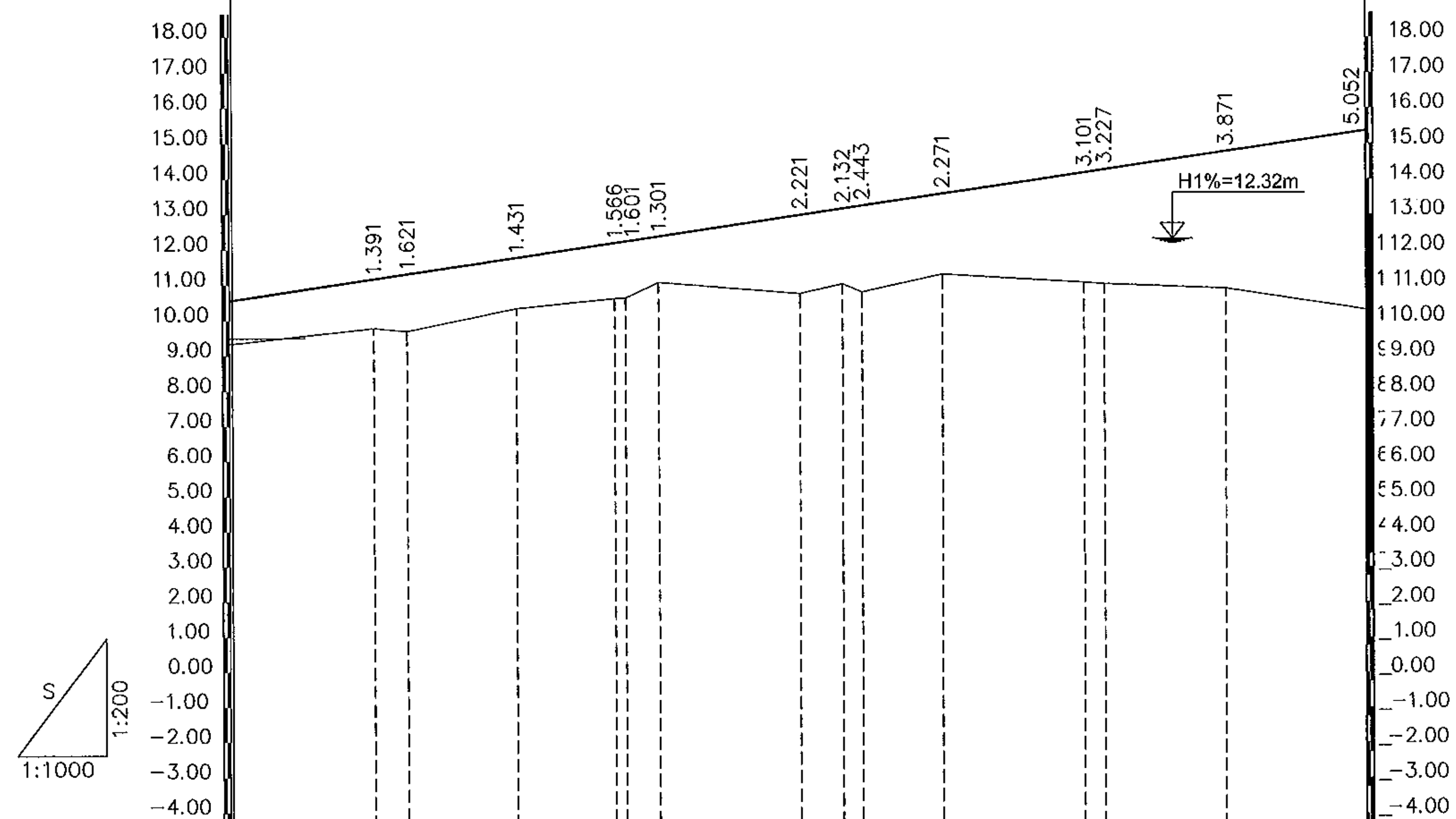
	PREPARED BY	CHECKED BY	APPROVED BY	PROFILE OF RAMP C1 - QUANG NGAI NORTH INTERCHANGE (2/3) TRẮC DỌC NHÁNH C1 - NÚT GIAO BẮC QUẢNG NGÃI (2/3)		
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO	SCALE	DRAWING NO.	REV. NO.
SIGNATURE	[signature]	[signature]	[signature]	H = 1/1000; V = 1/200	PKGA4-IC2-PP- 160	3
DATE						

TO PR623B

TO DN-QN EX.W



RAMP C1 AREA / PHẠM VI NHÁNH C1 | KM0+719.72 | RAMP A & B AREA / PHẠM VI NHÁNH A & B



VERTICAL ALIGNMENT ĐỘ DỐC THIẾT KẾ	3.000% 217.322														
FINISHED GRADE CAO ĐỘ THIẾT KẾ	10.581	11.181	11.321	11.781	12.196	12.241	12.381	12.981	13.162	13.243	13.581	14.181	14.267	14.781	15.372
EXISTING GROUND CAO ĐỘ THIÊN NHIÊN	9.35	9.79	9.70	10.35	10.63	10.64	11.08	10.76	11.03	10.80	11.31	11.08	11.04	10.91	10.32
STATION LÝ TRÌNH CỌC	560.00	580.00	584.69	600.00	613.86	615.36	620.00	640.00	646.04	648.76	660.00	680.00	682.88	700.00	719.72
STAKE NAME TÊN CỌC	85	86	ND2	87	88	89	90	91	TD2	92	93	94	P2	95	TC2

HORIZONTAL ALIGNMENT ĐƯỜNG THẲNG - ĐƯỜNG CONG	L=252.673m	A=62.045 L=61.348m	L=73.678m R=62.750m
SUPERELEVATION SIÊU CAO	0+584.69 −2.000%	6.000% 0+646.04 −6.000%	6.000% 0+719.72 −6.000%

MINISTRY OF TRANSPORT VIETNAM	ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT CONSULTANT PROJECT MANAGEMENT UNIT NO.85	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

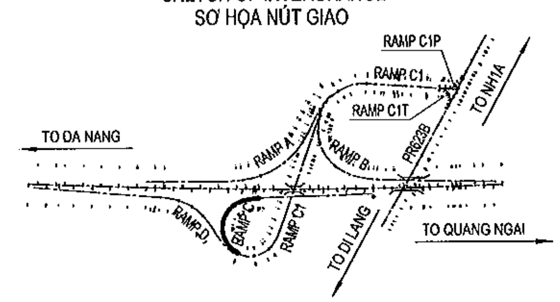
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

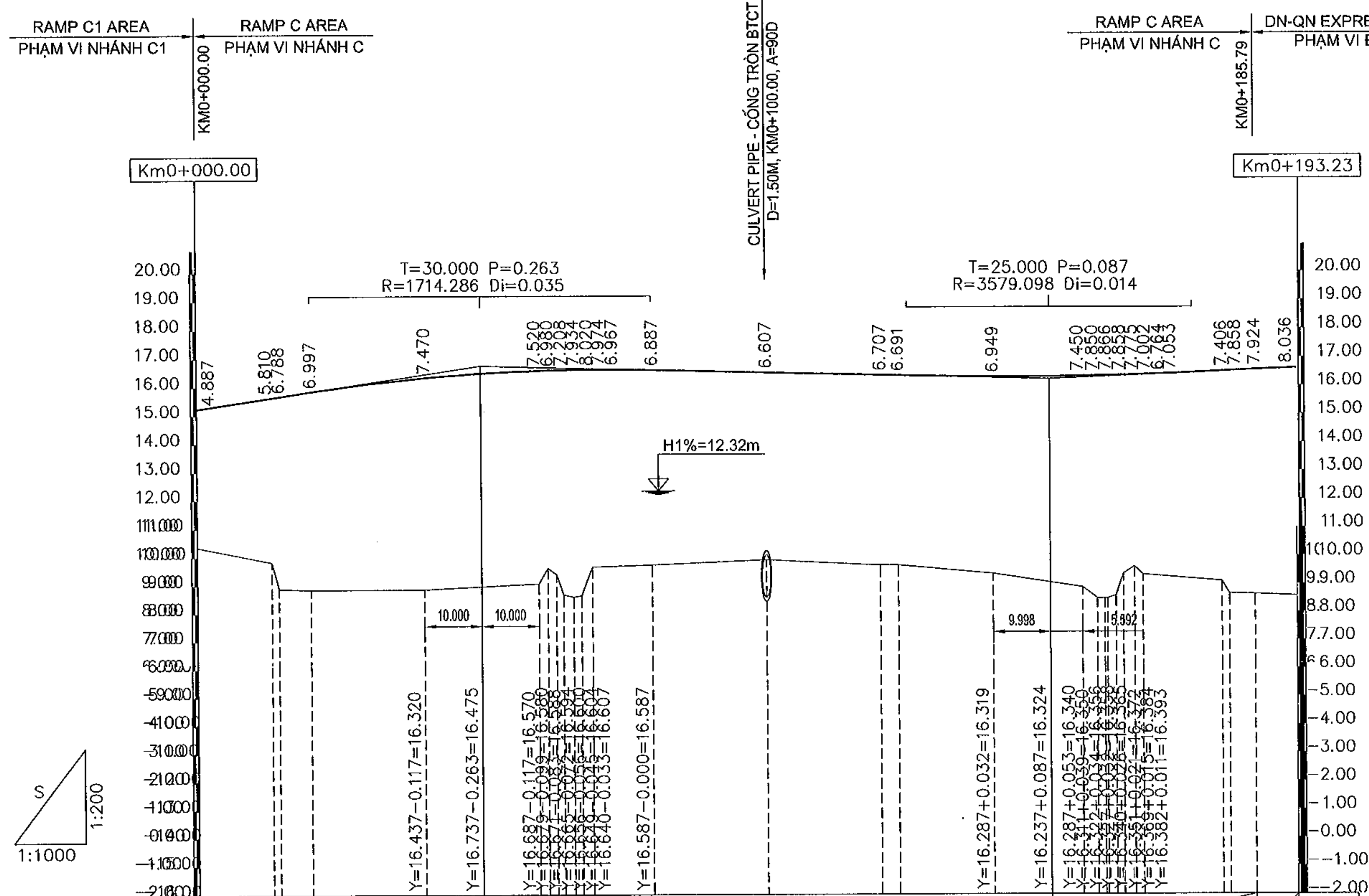
PROFILE OF RAMP C1 - QUANG NGAI NORTH INTERCHANGE (3/3)
TRẮC DỌC NHÁNH C1 - NÚT GIAO BẮC QUẢNG NGÃI (3/3)

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-IC2-PP- 170	3

⟨ TO PR623B　　　　　　　　　　　　　　　　　　　　TO QUANG NGAI ⟩

SKETCH OF INTERCHANGE
SƠ HỌA NÚT GIAO





S 1:200
1:1000

VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ				
Grade	3.000%	0.500%	0.897%	0.780%
Length	50.000	100.000	35.796	7.435

STATION / LÝ TRÌNH CỌC	FINISHED GRADE / CAO ĐỘ THIẾT KẾ	EXISTING GROUND / CAO ĐỘ THIÊN NHIÊN
0.00	15.237	10.35
13.10	15.630	9.82
14.38	15.668	9.88
20.00	15.837	8.84
40.00	16.320	8.85
60.00	16.570	9.05
61.62	16.580	9.60
63.11	16.588	9.38
64.33	16.594	8.66
66.14	16.600	8.58
67.56	16.604	8.63
69.47	16.607	9.64
80.00	16.587	9.70
100.00	16.487	9.88
120.00	16.387	9.68
123.23	16.371	9.68
140.00	16.319	9.37
155.59	16.340	8.89
158.21	16.350	8.50
159.51	16.356	8.46
160.00	16.358	8.50
161.43	16.365	8.59
162.73	16.372	9.37
164.70	16.384	9.62
166.12	16.393	9.34
180.00	16.506	9.10
181.30	16.518	9.66
185.79	16.558	8.63
193.23	16.616	8.58

STAKE NAME / TÊN CỌC: TD1, 2, 1, 3, 4, P1 7 9, 5 6 8 10, 11, 12, 13, TC1, 14, 15 17 19 21, 16 18 20 22, 23, 24C, 24, NC1

HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG		
	L=123.232m, R=60.000m	A=65.802, L=70.000m

SUPERELEVATION / SIÊU CAO			
	6.000% / 0+123.23 / -6.000%	6.000% / 0+123.23 / -6.000%	2.000% / 0+185.79 / -2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4　Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE			
DATE			

PROFILE OF RAMP C - QUANG NGAI NORTH INTERCHANGE
TRẮC DỌC NHÁNH C - NÚT GIAO BẮC QUẢNG NGÃI

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-IC2-PP- 180	3

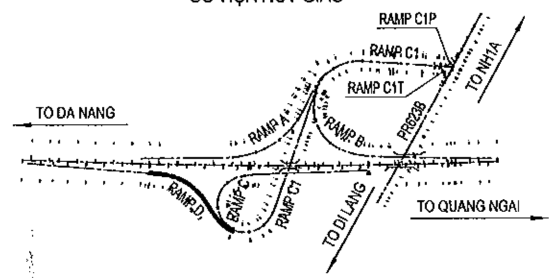
⟸ TO DA NANG

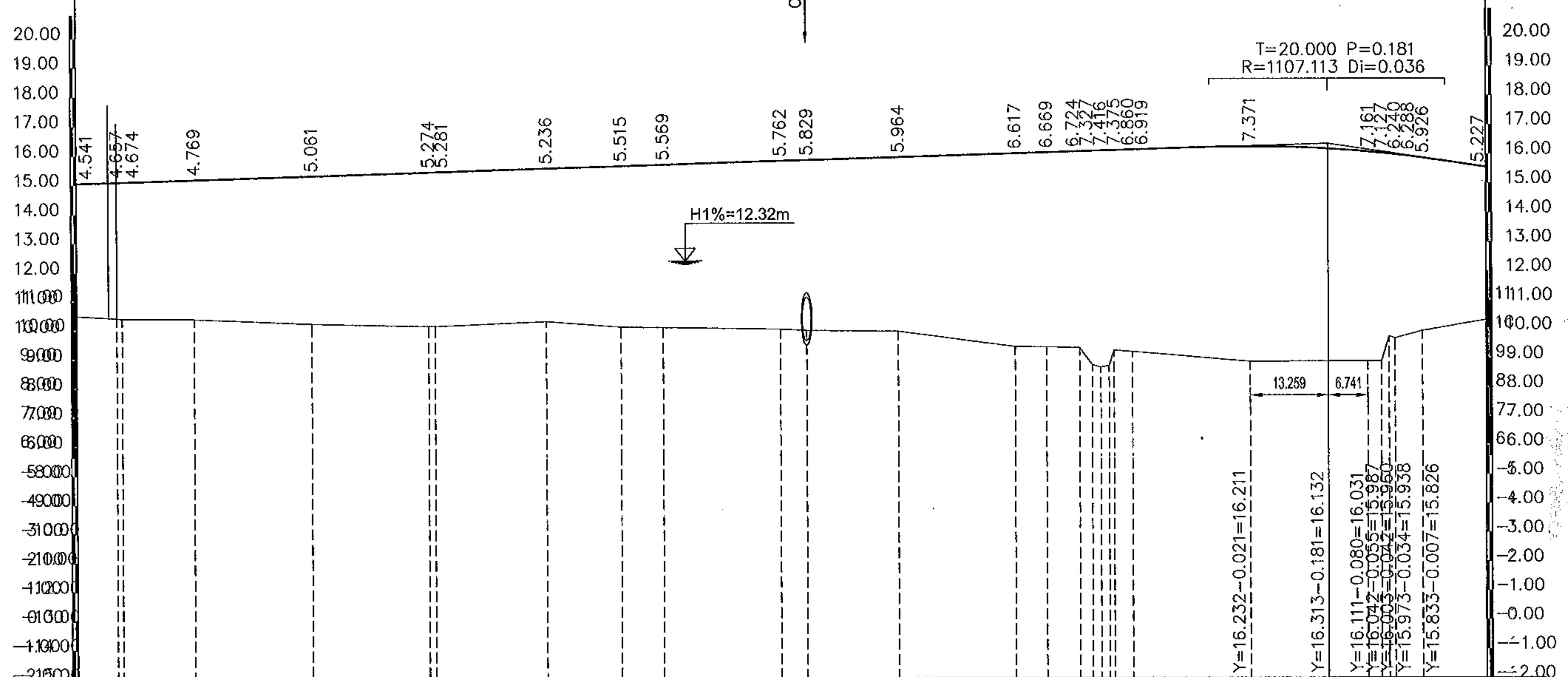
TO PR623B ⟹

DN-QN EXPRESSWAY AREA / PHẠM VI ĐCT ĐN-QN	KM0+266.82	RAMP D AREA / PHẠM VI NHÁNH D

RAMP D AREA / PHẠM VI NHÁNH D	KM0+500.13	RAMP C1 AREA / PHẠM VI NHÁNH C1

SKETCH OF INTERCHANGE
SƠ HỌA NÚT GIAO





S 1:200 1:1000

VERTICAL ALIGNMENT / ĐỘ DỐC THIẾT KẾ: 0.543% 6.818; 0.613% 206.441; 3.000% 26.870

STATION / LÝ TRÌNH CỌC	FINISHED GRADE / CAO ĐỘ THIẾT KẾ	EXISTING GROUND / CAO ĐỘ THIÊN NHIÊN	STAKE NAME / TÊN CỌC
260.00	15.011	10.47	13
266.82	15.048	10.39	ND2
267.77	15.054	10.38	13C
280.00	15.129	10.36	14
300.00	15.251	10.19	15
320.00	15.374	10.10	TD2
321.11	15.381	10.10	16
340.00	15.496	10.26	17
352.80	15.575	10.06	P2
360.00	15.619	10.05	18
380.00	15.742	9.98	19
384.49	15.769	9.94	TC2
400.00	15.864	9.90	20
420.00	15.987	9.37	21
425.32	16.019	9.35	NC2 ND3
430.96	16.054	9.33	22
433.08	16.067	8.74	23
434.56	16.076	8.66	24
436.03	16.085	8.71	25
436.86	16.090	9.23	26
440.00	16.109	9.19	27
460.00	16.211	8.84	28
480.00	16.031	8.87	29
482.31	15.987	8.86	30
483.61	15.960	9.72	31
484.61	15.938	9.65	32
489.26	15.826	9.90	33
500.13	15.507	10.28	TD3

HORIZONTAL ALIGNMENT / ĐƯỜNG THẲNG - ĐƯỜNG CONG: A=79.999 L=53.333m; L=63.381m R=120.000m; A=70.000 L=40.833m; A=70.000 L=74.809m

SUPERELEVATION / SIÊU CAO: 2.000% 0+260.00 −2.000%; 2.000% 0+384.49 −2.000%; 0+425.32 −2.000%; 6.000% 0+500.13 −6.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: A4 Station: Km110+100 - Km124+700

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	M.X.NGOC	T.NAGAI	I. ISHIMOTO
SIGNATURE	[signature]	[signature]	[signature]
DATE			

PROFILE OF RAMP D - QUANG NGAI NORTH INTERCHANGE
TRẮC DỌC NHÁNH D - NÚT GIAO BẮC QUẢNG NGÃI

SCALE	DRAWING NO.	REV. NO.
H = 1/1000; V = 1/200	PKGA4-IC2-PP- 190	3

E10. QUANG NGAI INTERCHANGE
E10. NÚT GIAO QUẢNG NGÃI

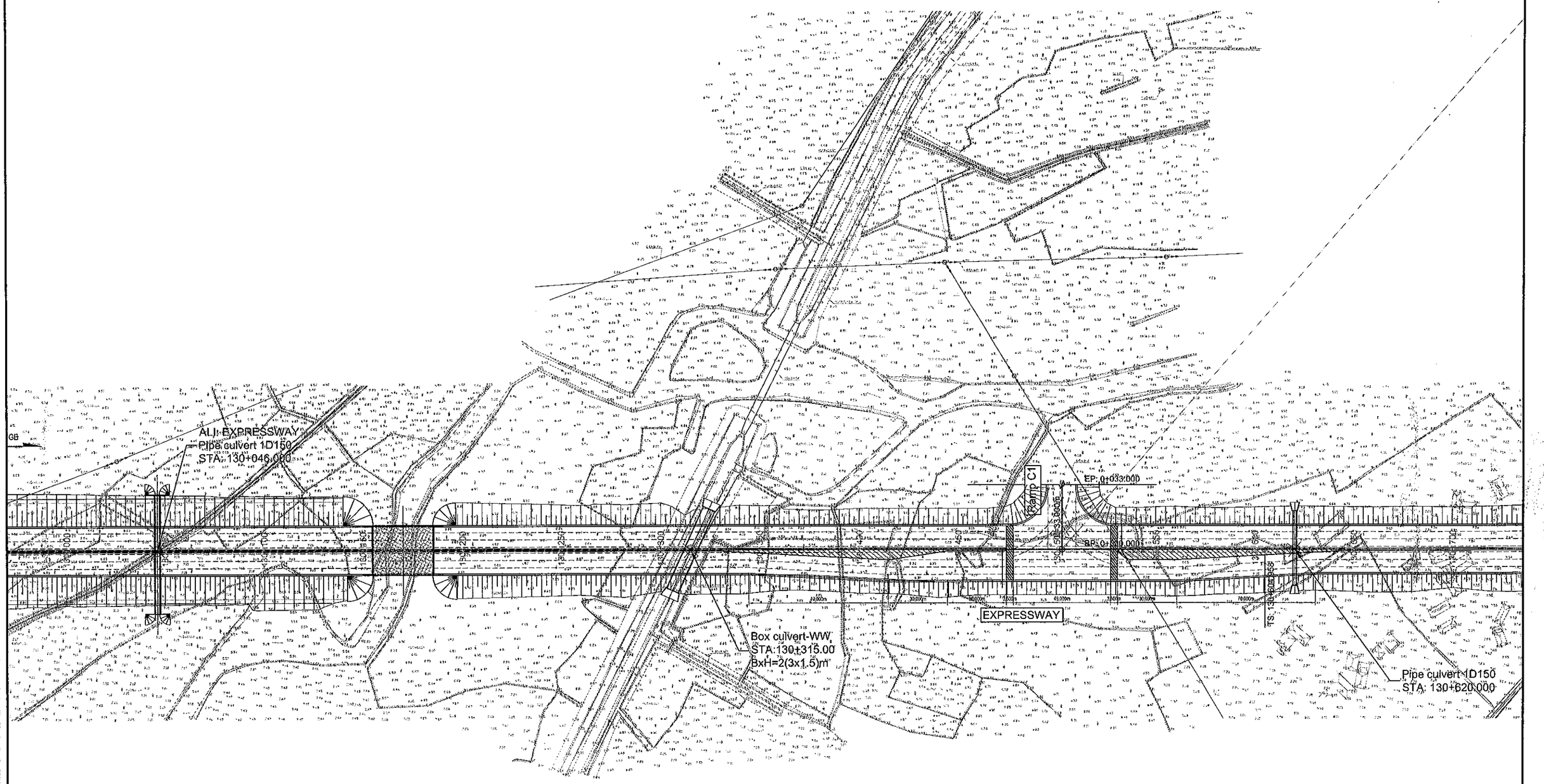
E10-1. INTERSECTION IN 1ST STAGE

E10-1. NÚT GIAO CÙNG MỨC TRONG GIAI ĐOẠN 1

000344

PLAN OF QUANG NGAI INTERSECTION

SCALE 1/1000



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT					
				Package:	Station:				
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	QUANG NGAI INTERSECTION	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PLAN OF QUANG NGAI INTERSECTION-PHASE 1	
				SIGNATURE				SCALE: 1/1000	DRAWING NO.: PKGA5-IC-PP-000
				DATE					REV. NO.: 3

PATH - DL_02.CAREER/DN-QN PROJECT/SIR.HAGA/09. QUANG NGAI IC,KM129+920-130+670/02B-PLAN&PROFILE - QUANG NGAI IC PHASE 1-ALT 2.121026.DWG - SHEET: PLAN - JAN 16, 2013

E10-2. INTERCHANGE IN 2ND STAGE

E10-2. NÚT GIAO KHÁC MỨC TRONG GIAI ĐOẠN 2

PLAN OF QUANG NGAI INTERCCHANGE-PHASE 2

SCALE: 1/3000

X=1670559.914
Y=582169.798

Planning Road

Ramp A

Ramp B

Ramp C

Ramp C1

Ramp D

ALI: Expressway
Pipe culvert 1D160
STA: 130+046.000

ALI: Expressway
Box culvert WW
BxH=2(3x1.5)
STA: 130+315.000

ALI: Ramp B
Pipe culvert 1D80
STA: 0+416.097

ALI: Ramp D
Box culvert WW
BxH=2(3x1.5)
STA: 0+339.574

Expressway
Pipe culvert 1D150
STA: 130+620.000

ALI: Expressway
Box culvert RW
BxH=4.5x3.5
STA: 130+760.000

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGASIO	I.ISHIMOTO
SIGNATURE			
DATE			

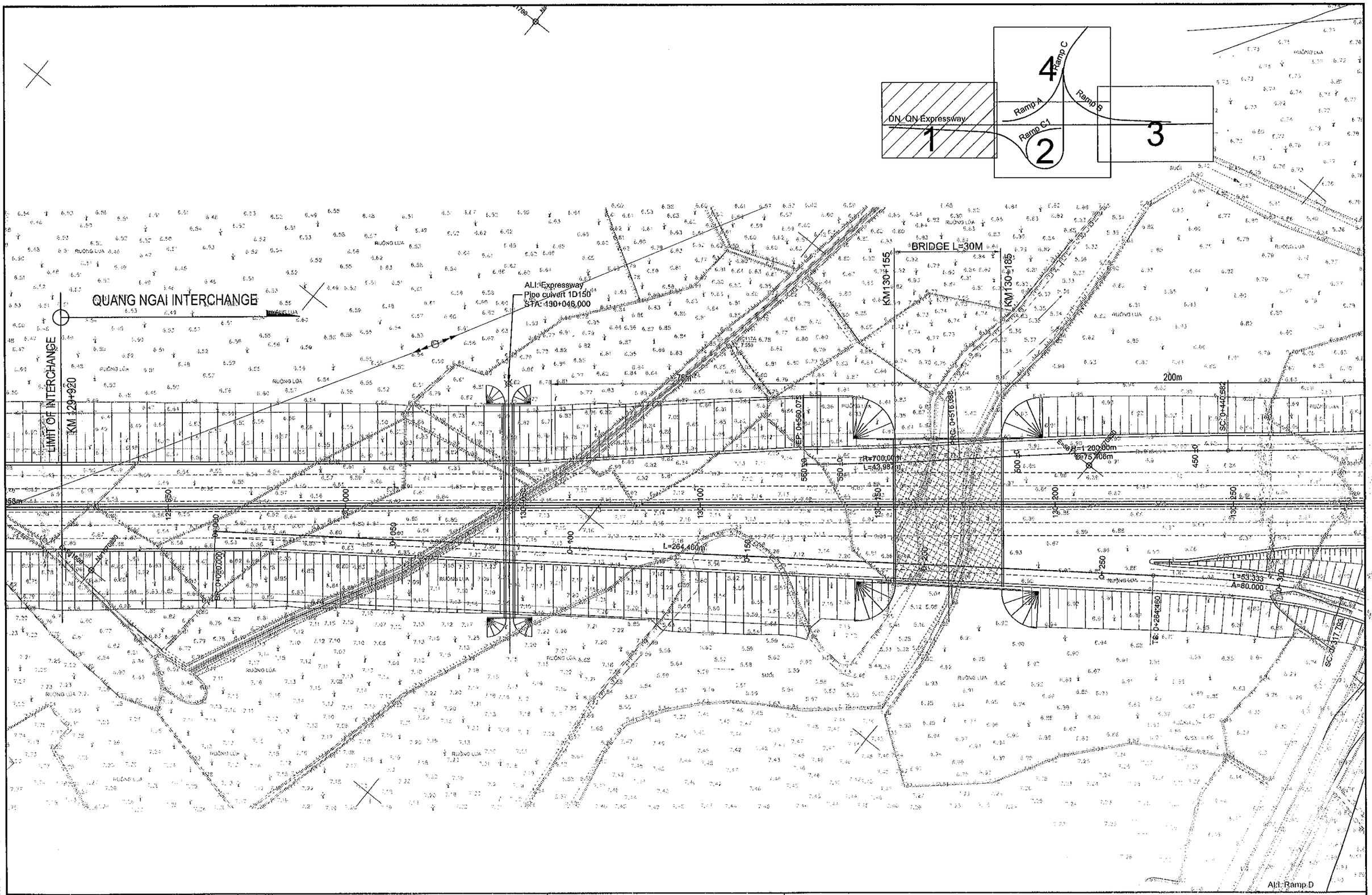
QUANG NGAI INTERCHANGE-PHASE 2

PLAN OF QUANG NGAI INTERCCHANGE

SCALE	DRAWING NO.	REV. NO.
1/3000	PKGA5-IC-PP-010	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\09. QUANG NGAI IC.AKI\129+920-130+870\02B-PLAN&PROFILE - QUANG NGAI IC SS-721102.DWG - SHEET PLAN - JAN 15, 2013

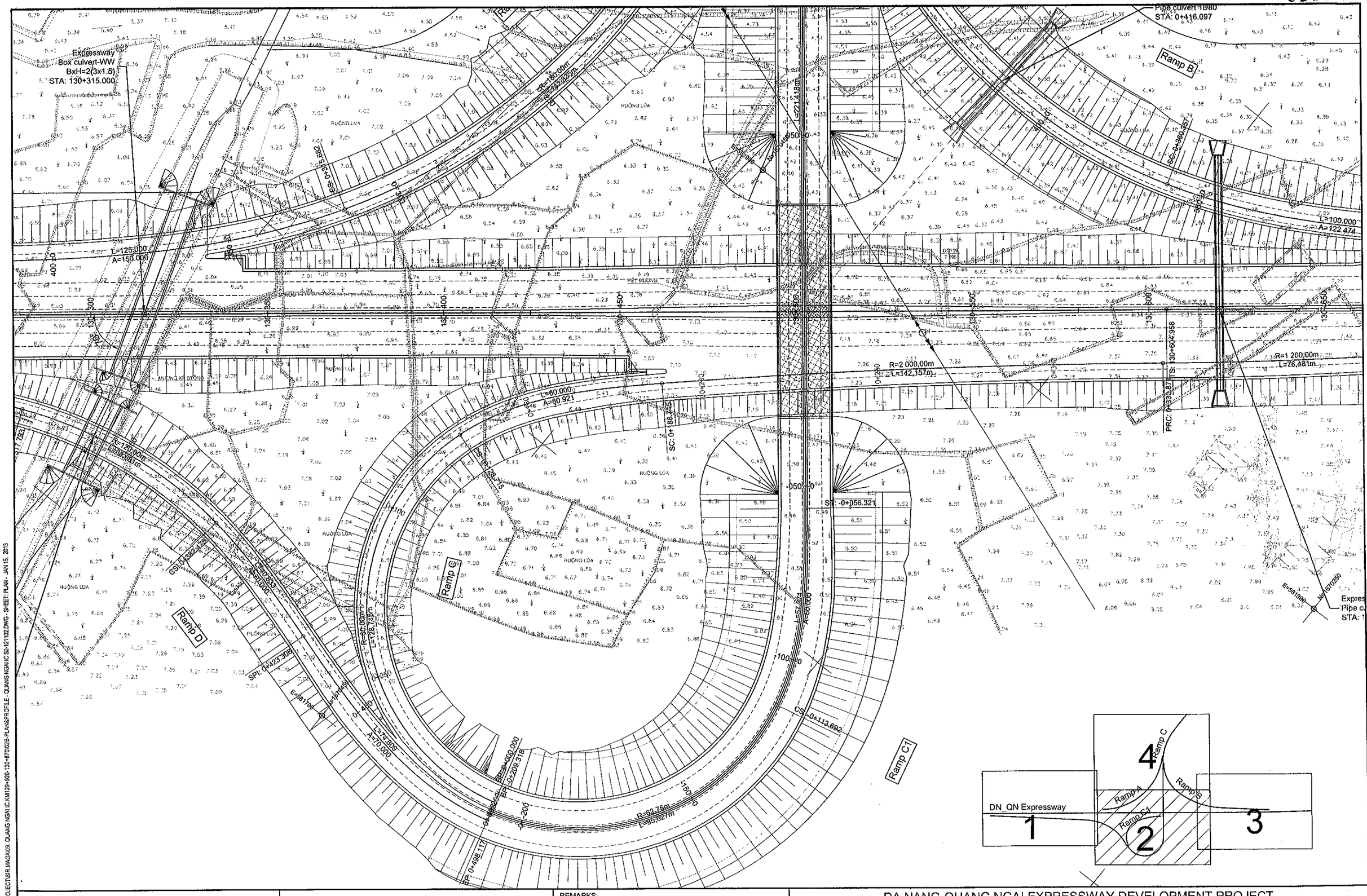
000347



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT					
				Package:		Station:			
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	QUANG NGAI INTERCHANGE-PHASE 2	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	ISHIMOTO	PLAN OF QUANG NGAI INTERCCHANGE (1/4)	
				SIGNATURE				SCALE: 1/1000	DRAWING NO.: PKGA5-IC-PP-020
				DATE					REV. NO.: 3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\09. QUANG NGAI IC,KM129+920-130+870\020-PLAN&PROFILE - QUANG NGAI IC 53-121102.DWG - SHEET: PLAN - JAN 15, 2013

000348



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT				
				Package:	Station:			
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	QUANG NGAI INTERCHANGE-PHASE 2
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PLAN OF QUANG NGAI INTERCCHANGE (2/4)
				SIGNATURE				SCALE: 1/1000
				DATE				DRAWING NO.: PKGA5-IC-PP-030
								REV. NO.: 3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\09. QUANG NGAI IC.KM129+920-130+870\02B-PLAN&PROFILE - QUANG NGAI IC S2-121102.DWG - SHEET: PLAN - JAN 15, 2013

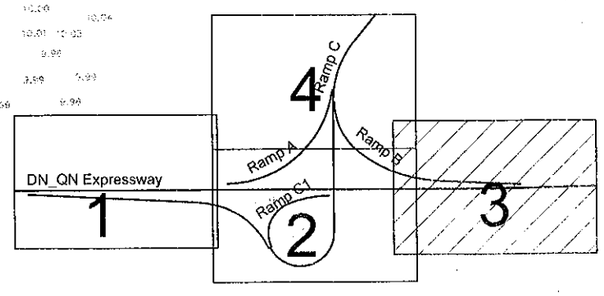
QUANG NGAI INTERCHANGE

KM 130+980

LIMIT OF INTERCHANGE

Expressway
Pipe culvert 1D150
STA: 130+620.000

ALT. Expressway
Box culvert-RW
BxH=4.5x3.5
STA: 130+760.000



MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT

Package: Station:

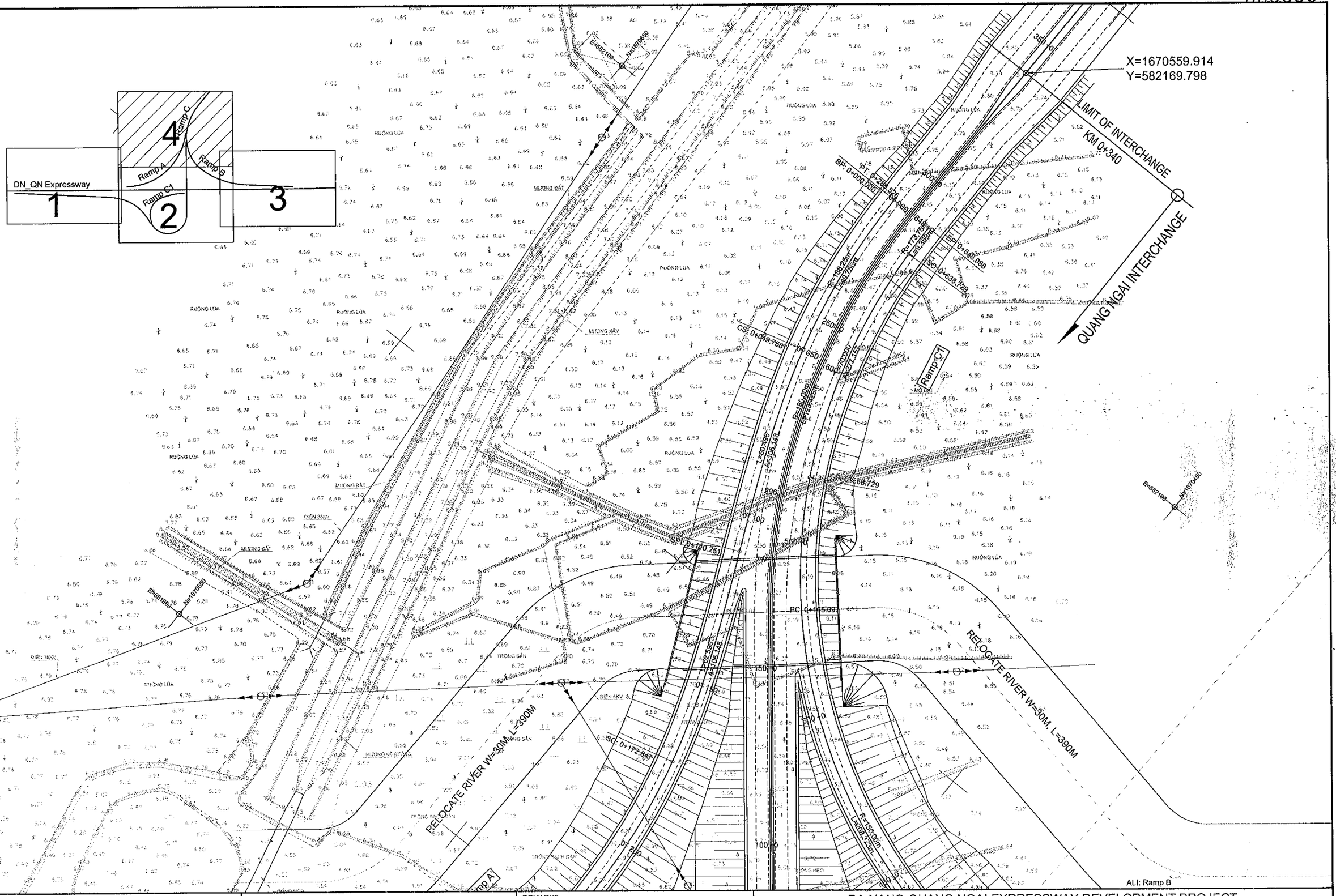
	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO
SIGNATURE			
DATE			

QUANG NGAI INTERCHANGE-PHASE 2

PLAN OF QUANG NGAI INTERCCHANGE (3/4)

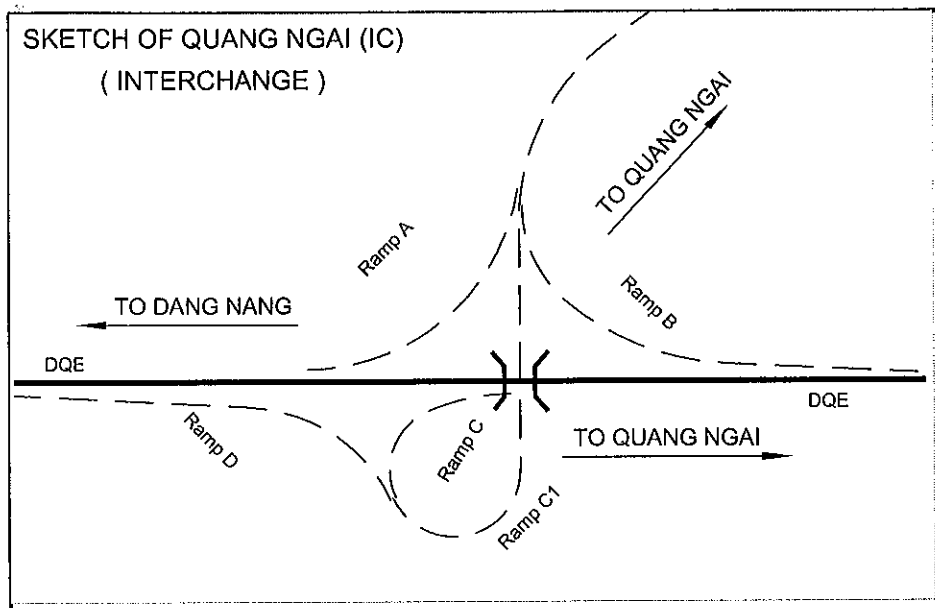
SCALE	DRAWING NO.	REV. NO.
1/1000	PKGA5-IC-PP-040	3

PATH - D:_02.CAREER\DN-QN PROJECT\SIR\MAGA\05. QUANG NGAI IC,KM129+920-130+870\02B-PLAN&PROFILE - QUANG NGAI IC S2-121102.DWG - SHEET: PLAN - JAN 15, 2013

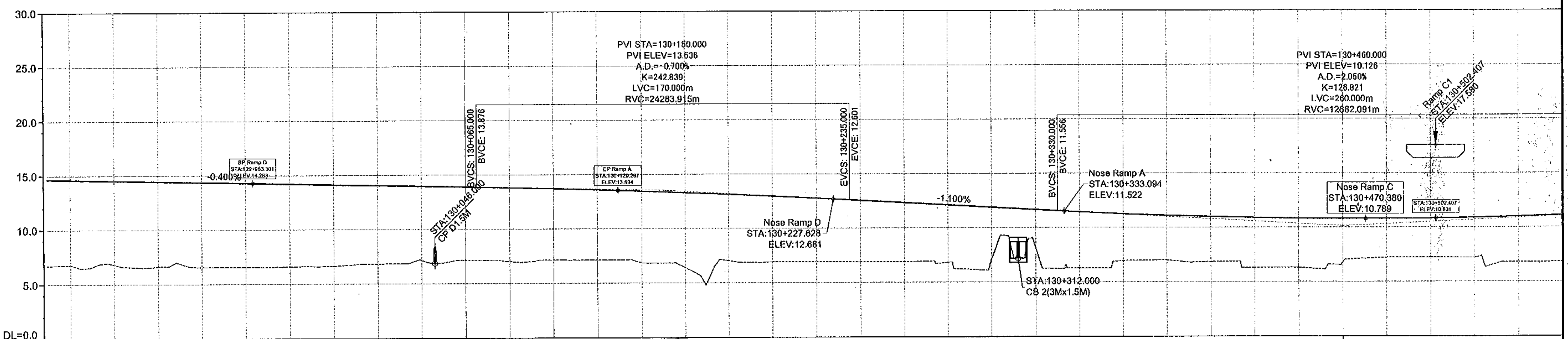


MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT				
				Package:		Station:		
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	QUANG NGAI INTERCHANGE-PHASE 2
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGABIO	I.ISHIMOTO	PLAN OF QUANG NGAI INTERCCHANGE (4/4)
				SIGNATURE				SCALE: 1/1000 · DRAWING NO.: PKGA5-IC-PP-050 · REV. NO.: 3
				DATE				

PATH - D:_02.CAREER\DN-QN PROJECT\SIR.MAGA\09. QUANG NGAI IC\KM129+920-130+870\02B-PLAN&PROFILE - QUANG NGAI IC S2-121102.DWG - SHEET: PLAN - JAN 15, 2013



PROFILE OF Expressway
TRẮC DỌC Expressway



PROFILE / ĐỘ DỐC DỌC: i=-0.400% L=439.557m — (13.536) — i=-1.100% L=310.000m — (10.126)

PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	14.616	14.536	14.456	14.376	14.296	14.216	14.136	14.056	13.976	13.896	13.811	13.711
EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	6.764	6.810	6.644	6.559	6.575	6.597	6.651	6.831	7.154	7.153	7.012	7.134
STATION / LÝ TRÌNH	129+880.000	129+900.000	129+920.000	129+940.000	129+960.000	129+980.000	130+000.000	130+020.000	130+040.000	130+060.000	130+080.000	130+100.000
ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN	129876.441 129880.000	129900.000	129920.000	129940.000	129960.000	129976.933 129980.000	130000.000	130020.000	130040.000	130060.000	[illegible] 130080.000	130100.000

PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	13.594	13.460	13.310	13.144	12.961	12.761	12.546	12.326	12.106	11.886	11.666	11.450
EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	7.137	6.879	6.408	7.037	6.910	6.900	6.890	6.890	6.828	7.134	8.145	6.278
STATION / LÝ TRÌNH	130+120.000	130+140.000	130+160.000	130+180.000	130+200.000	130+220.000	130+240.000	130+260.000	130+280.000	130+300.000	130+320.000	130+340.000
ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN	130120.000	130140.000	130160.000	[illegible] 130180.000	130200.000	130220.000	130240.000	130260.000	[illegible] 130280.000	130300.000	130320.000	130340.000

PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	11.261	11.105	10.979	10.885	10.823	10.792	10.793	10.825	10.889	10.985
EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	6.959	7.009	6.839	6.301	6.311	6.828	7.220	7.230	7.199	6.800
STATION / LÝ TRÌNH	130+360.000	130+380.000	130+400.000	130+420.000	130+440.000	130+460.000	130+480.000	130+500.000	130+520.000	130+540.000
ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN	130360.000	[illegible] 130380.000	130400.000	130420.000	130440.000	130460.000	[illegible] 130480.000	130500.000	130520.000	130540.000

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=1404.958m

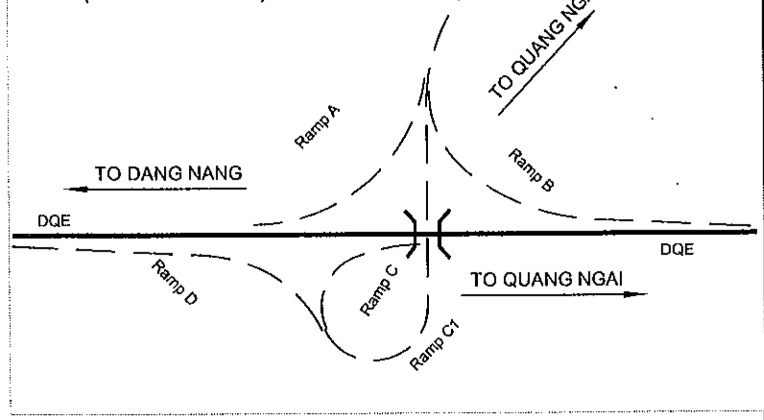
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

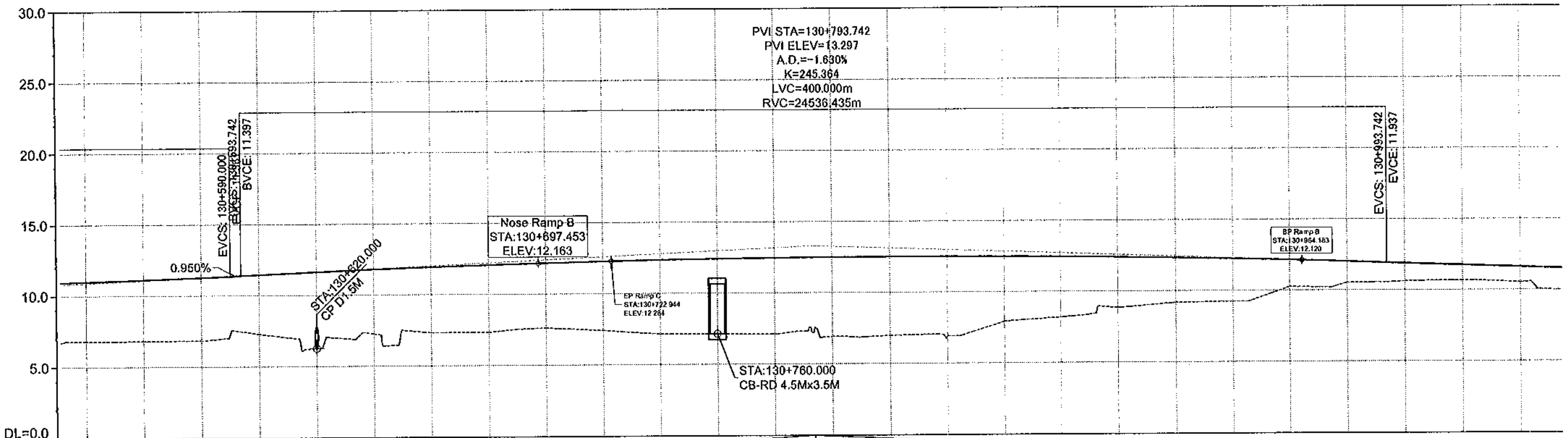
	PREPARED BY	CHECKED BY	APPROVED BY	QUANG NGAI IC (PHASE 2)-NÚT GIAO QUẢNG NGÃI (GIAI ĐOẠN 2)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH (1/2)		
SIGNATURE	[signature]	[signature]	[signature]	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKGA5-IC-PP-060	3

PATH - D1_02.CAREER\DN-QN PROJECT\SIR.MAGA\09. QUANG NGAI IC.KM129+920-130+870\ACAD FILE\ACAD-02B-PROFILE-DAYLIGHT QUANG NGAI IC S2-121205.DWG - SHEET: PROFILE - JAN 15, 2013

SKETCH OF QUANG NGAI (IC)
(INTERCHANGE)



PROFILE OF Expressway
TRẮC DỌC Expressway



PROFILE / ĐỘ DỐC DỌC: i=0.950%, L=333.742m; 13.297; i=-0.680%, L=476.258m

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
130+540.000	10.985	6.800	130540.000
130+560.000	11.112	6.810	130560.000
130+580.000	11.270	6.840	130580.000
130+600.000	11.455	7.291	130600.000
130+620.000	11.632	6.282	130620.000
130+640.000	11.793	7.268	130640.000
130+660.000	11.937	7.330	130660.000
130+680.000	12.065	7.340	130680.000
			130689.912
130+700.000	12.176	7.618	130700.000
130+720.000	12.272	7.420	130720.000
130+740.000	12.350	7.143	130740.000
130+760.000	12.413	7.135	130760.000
130+780.000	12.459	7.096	130780.000
			130790.583
130+800.000	12.490	6.912	130800.000
130+820.000	12.503	6.972	130820.000
130+840.000	12.501	6.909	130840.000
130+860.000	12.482	7.913	130860.000
130+880.000	12.447	8.191	130880.000
			130892.402
130+900.000	12.395	8.852	130900.000
130+920.000	12.328	9.184	130920.000
130+940.000	12.243	9.236	130940.000
130+960.000	12.143	10.251	130960.000
130+980.000	12.026	10.530	130980.000
			130995.980
131+000.000	11.894	10.630	131000.000
131+020.000	11.758	10.680	131020.000
131+040.000	11.622	10.538	131040.000

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: A=1609.969, L=540.000m

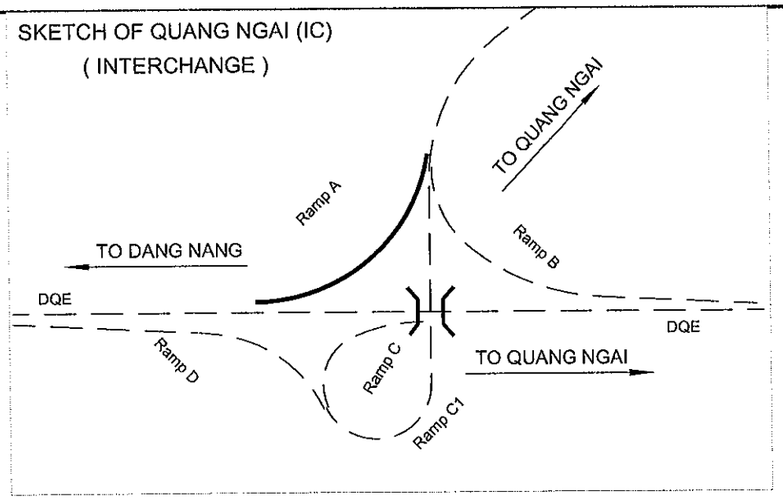
MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

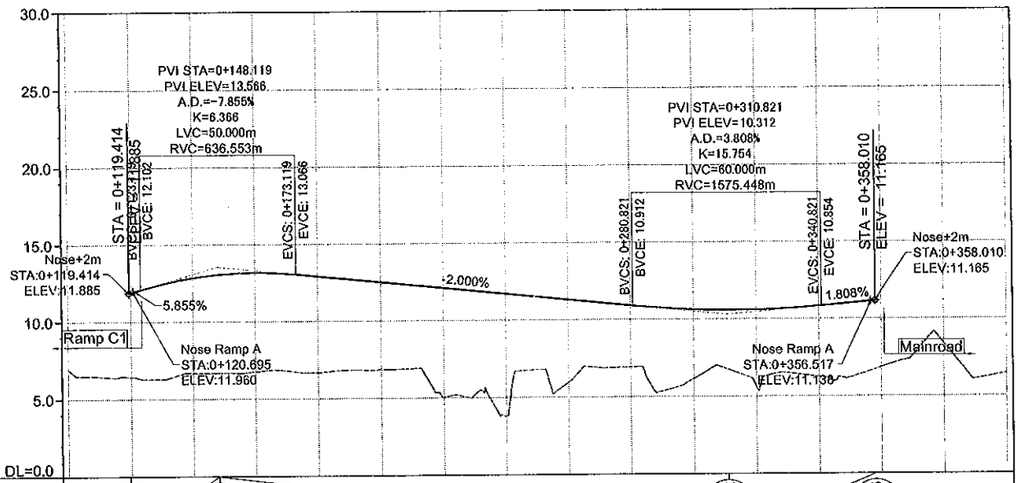
	PREPARED BY	CHECKED BY	APPROVED BY	QUANG NGAI IC (PHASE 2)-NÚT GIAO QUẢNG NGÃI (GIAI ĐOẠN 2)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF EXPRESSWAY-TRẮC DỌC TUYẾN CHÍNH (2/2)		
SIGNATURE	[signature]	[signature]	[signature]	SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKGA5-IC-PP-070	3

PATH - D1_02.CAREER\DN-QN PROJECT\SIR MAGA\09. QUANG NGAI IC.KM129+920-130+870\ACAD FILE\ACAD-02B-PROFILE-DAYLIGHT QUANG NGAI IC S2-121205.DWG - SHEET: PROFILE - JAN 15, 2013

SKETCH OF QUANG NGAI (IC)
(INTERCHANGE)



PROFILE OF Ramp A
TRẮC DỌC Ramp A



1/400
1/2000

PROFILE ĐỘ DỐC DỌC	11.885	i=5.855% L=28.709m	13.566	i=-2.000% L=162.701m							10.312	i=1.808% L=47.189m	11.165				
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ		11.919	12.866	13.193	12.928	12.528	12.128	11.728	11.328	10.928	10.645	10.615	10.840				
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	6.931	6.445	6.677	6.768	6.679	6.842	5.045	3.802	5.964	6.928	6.154	5.622	6.256	6.866	8.404	6.478	
STATION LÝ TRÌNH	0+100.000	0+120.000	0+140.000	0+160.000	0+180.000	0+200.000	0+220.000	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000	0+400.000	
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN		120.000	140.000	160.000	180.000	299.998 299.998	220.000	240.000	260.000	280.000	300.000 304.406	320.000	340.000	360.000	380.000		
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG		A=106.148 L=62.596m			L=142.835m R=180.000m							A=150.000 L=125.000m					
SUPER ELEVATION SIÊU CAO		-2.000% 0+123.522 2.000%		2.000% 0+172.847 -2.000%								2.000% 0+315.682 -2.000%					

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

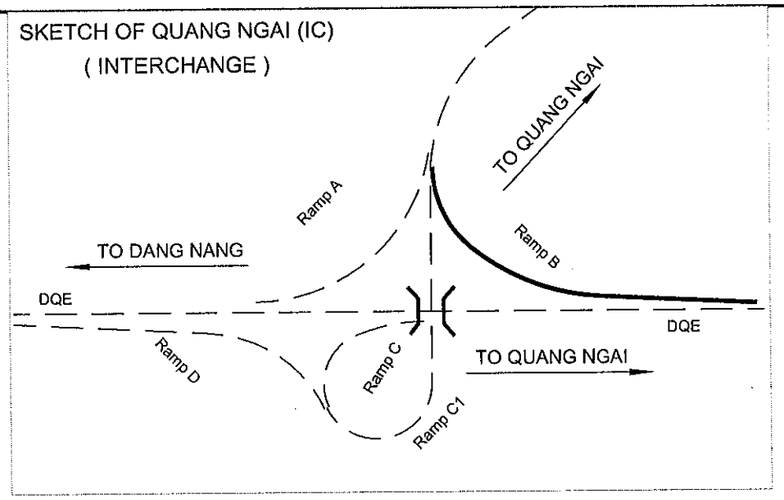
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO
SIGNATURE			
DATE			

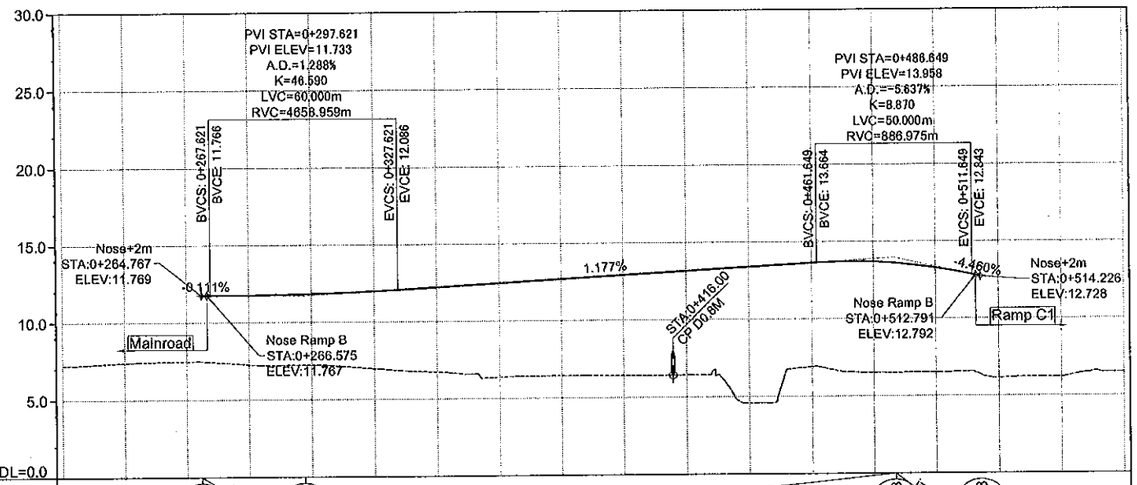
QUANG NGAI IC (PHASE 2)-NÚT GIAO QUẢNG NGÃI (GIAI ĐOẠN 2)
PROFILE OF RAMP A-TRẮC DỌC NHÁNH A

SCALE	DRAWING NO.	REV. NO.
AS SHOW	PKGA5-IC-PP-080	3

PATH - D:_02.CAREER\ION PROJECT\SR.1\AGA\99. QUANG NGAI IC,KM129+920-139+879\ACAD FILE\ACAD-029-PROFILE -DAYLIGHT. QUANG NGAI IC S2-121205.DWG - SHEET: PROFILE - JAN 15, 2013



PROFILE OF Ramp B
TRẮC DỌC Ramp B



1/400
1/2000

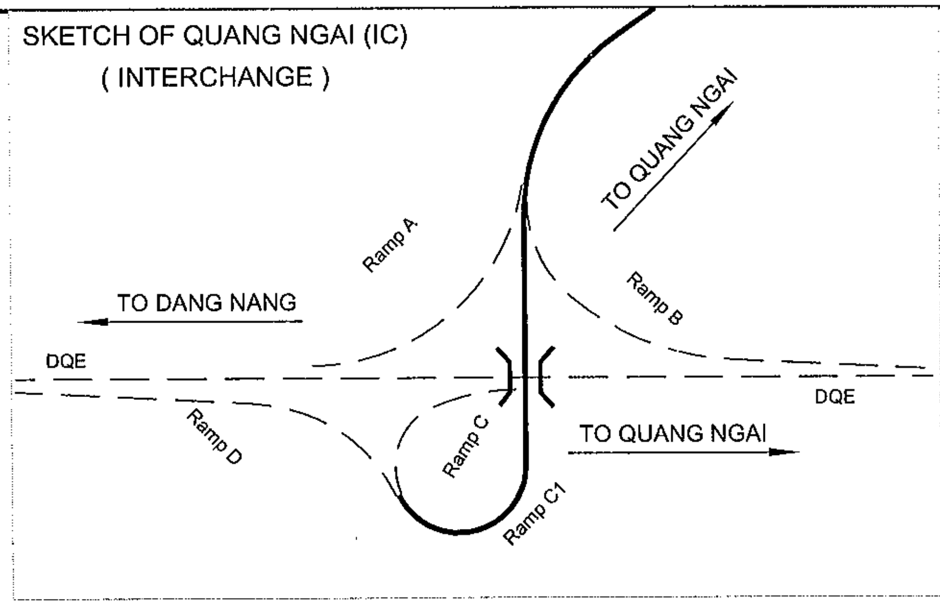
PROFILE ĐỘ DỐC DỌC	11.769	i=-0.111% L=32.854m	11.733	i=1.177% L=189.028m										13.958	i=-4.46% L=47.577m	12.728			
PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ				11.769	11.843	12.002	12.232	12.467	12.702	12.938	13.173	13.409	13.644	13.690	13.286				
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	7.228	7.398	7.484	7.270	7.234	6.988	6.737	6.366	6.425	6.416	6.426	4.576	6.916	6.516	6.518	6.149	6.201	6.496	
STATION LÝ TRÌNH	0+220.000	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000	0+400.000	0+420.000	0+440.000	0+460.000	0+480.000	0+500.000	0+520.000	0+540.000	0+560.000	
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN		240.000	260.000	280.000	300.000	321.809	340.000	360.000	380.000	400.000	421.842	440.000	464.543	480.000	500.000	524.322	540.000		
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG				A=122.474 L=100.000m								L=208.373m R=150.000m							
SUPER ELEVATION SIÊU CAO																			

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

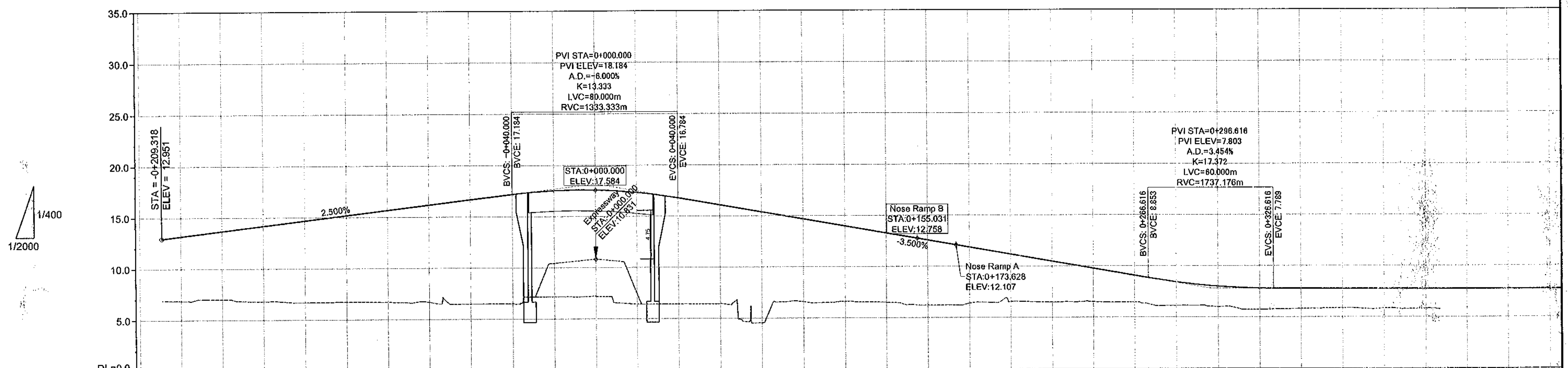
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY	QUANG NGAI IC (PHASE 2)-NÚT GIAO QUẢNG NGÃI (GIAI ĐOẠN 2)		
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP B-TRẮC DỌC NHÁNH B		
SIGNATURE				SCALE	DRAWING NO.	REV. NO.
DATE				AS SHOW	PKGA5-IC-PP-090	3

PATH - D:_02_CAREER\DN-QN PROJECT\SHR.MAGA\09. QUANG NGAI IC,KM129+920-130+870\ACAD FILE\ACAD-02\B-PROFILE-DAYLIGHT QUANG NGAI IC S2-121205.DWG - SHEET: PROFILE - JAN 15, 2013



PROFILE OF Ramp C1
TRẮC DỌC Ramp C1



PROFILE / ĐỘ DỐC DỌC: 12.951 — i=2.500%, L=209.318m — 18.184 — i=-3.500%, L=296.616m — 7.803

STATION / LÝ TRÌNH	PROPOSED HEIGHT / CAO ĐỘ THIẾT KẾ	EXISTING HEIGHT / CAO ĐỘ TỰ NHIÊN	ACCUMULATED DISTANCE / KHOẢNG CÁCH CỘNG DỒN
-0+220.000			-220.000
-0+200.000	13.184	6.875	-200.000
-0+180.000	13.684	7.014	-180.000
-0+160.000	14.184	6.820	-161.585 / -160.000
-0+140.000	14.684	6.699	-140.000
-0+120.000	15.184	6.736	-120.000 / -118.139
-0+100.000	15.684	6.698	-100.000
-0+080.000	16.184	6.685	-80.000
-0+060.000	16.684	6.495	-60.000
-0+040.000	17.184	6.497	-40.000
-0+020.000	17.534	7.173	-20.000 / -17.266
0+000.000	17.584	7.225	0.000
0+020.000	17.334	6.438	20.000
0+040.000	16.784	6.434	40.000
0+060.000	16.084	6.438	60.000
0+080.000	15.384	4.558	80.000 / 85.544
0+100.000	14.684	6.614	100.000
0+120.000	13.984	6.621	120.000
0+140.000	13.284	6.518	140.000
0+160.000	12.584	6.206	160.000
0+180.000	11.884	6.424	180.000 / 186.437
0+200.000	11.184	6.553	200.000
0+220.000	10.484	6.491	220.000 / 226.811
0+240.000	9.784	6.519	240.000
0+260.000	9.084	6.474	260.000
0+280.000	8.436	6.127	280.000 / 287.075
0+300.000	8.005	6.014	300.000
0+320.000	7.804	5.725	320.000
0+340.000	7.783	5.816	340.000
0+360.000	7.773	5.877	360.000
0+380.000	7.764	5.844	380.000 / 388.742
0+400.000	7.755	5.822	400.000
0+420.000	7.746		420.000
0+440.000	7.737		440.000
0+460.000	7.727		460.000

HORIZONTAL GEOMETRY / ĐOẠN THẲNG-ĐOẠN CONG: L=95.627m, R=62.750m — A=60.000, L=57.371m — L=221.418m — L=123.429m, R=180.000m

SUPER ELEVATION / SIÊU CAO: -2.000% / 0+145.097 / -2.000% — 2.000% / 0+185.097 / -2.000% — 2.000% / 0+268.526 / -2.000% — -2.000% / 0+308.526 / -2.000%

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85		

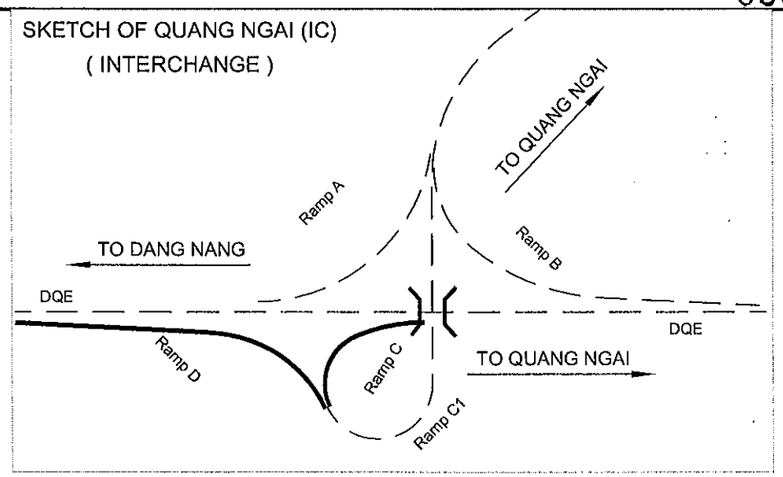
DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT
Package: Station:

	PREPARED BY	CHECKED BY	APPROVED BY
NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO
SIGNATURE			
DATE			

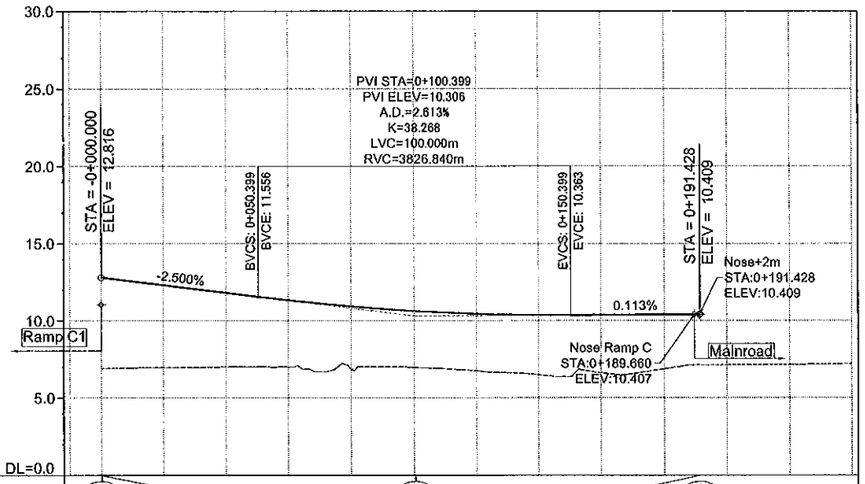
QUANG NGAI IC (PHASE 2)-NÚT GIAO QUẢNG NGÃI (GIAI ĐOẠN 2)
PROFILE OF RAMP C1-TRẮC DỌC NHÁNH C1

SCALE	DRAWING NO.	REV. NO.
AS SHOW	PKGA5-IC-PP-100	3

PATH - D1_02.CAREER\DN-QN PROJECT\SIR.MAGA\09. QUANG NGAI IC KM129+920-130+870\ACAD FILE\ACAD-02B-PROFILE-DAYLIGHT QUANG NGAI IC S2-121205.DWG - SHEET: PROFILE - JAN 15, 2013



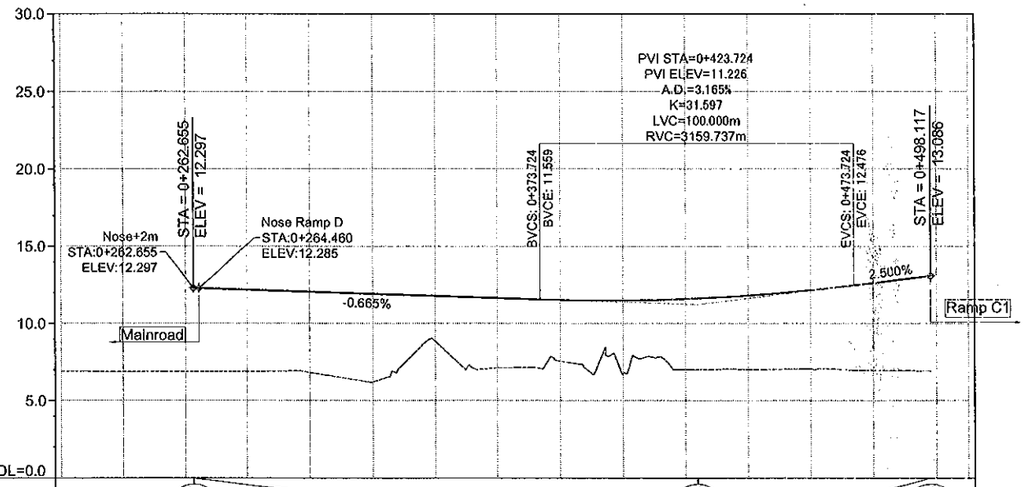
PROFILE OF Ramp C
TRẮC DỌC Ramp C



PROFILE ĐỘ DỐC DỌC	12.816	l=-2.500% L=100.399m	10.306	l=0.113% L=91.029m	10.409

PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ	12.816	12.316	11.816	11.328	10.930	10.637	10.449	10.365	10.373	10.396		
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	6.906	6.957	7.008	7.001	6.850	6.969	6.742	6.493	6.617	6.876	7.133	7.162	7.213
STATION LÝ TRÌNH	-0+010.000	0+000.000	0+020.000	0+040.000	0+060.000	0+080.000	0+100.000	0+120.000	0+140.000	0+160.000	0+180.000	0+200.000	0+220.000	0+240.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN	-10.000		20.000	40.000	60.000 64.357	80.000	91.627	100.000	120.000	140.000	160.000	180.000	200.000 200.000	220.000
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG		L=128.715m R=60.000m						A=60.921 L=60.000m						
SUPER ELEVATION SIÊU CAO	6.000% 0+000.000 -6.000%						6.000% 0+128.716 -6.000%				2.000% 0+188.715 -2.000%			

PROFILE OF Ramp D
TRẮC DỌC Ramp D



PROFILE ĐỘ DỐC DỌC	12.297	l=-0.665% L=161.069m	11.226	l=2.500% L=74.393m	13.086

PROPOSED HEIGHT CAO ĐỘ THIẾT KẾ				12.182	12.049	11.916	11.783	11.650	11.523	11.493	11.590	11.813	12.163	12.633	
EXISTING HEIGHT CAO ĐỘ TỰ NHIÊN	6.905	6.874	6.884	6.882	6.825	6.222	8.831	7.121	7.567	6.757	7.009	7.014	7.064	6.950	
STATION LÝ TRÌNH	0+220.000	0+240.000	0+260.000	0+280.000	0+300.000	0+320.000	0+340.000	0+360.000	0+380.000	0+400.000	0+420.000	0+440.000	0+460.000	0+480.000	0+500.000	0+510.000
ACCUMULATED DISTANCE KHOẢNG CÁCH CỘNG DỒN		240.000	260.000	280.000	300.000	320.000 321.899	340.000 350.134	360.000	380.000	400.000	420.000 421.824	440.000	460.000	480.000	500.000	510.000
HORIZONTAL GEOMETRY ĐOẠN THẲNG-ĐOẠN CONG			A=80.000 L=53.333m			L=64.681m R=120.000m		A=70.000 L=40.833m			A=70.000 L=74.809m					
SUPER ELEVATION SIÊU CAO				2.000% 0+317.793 -2.000%		2.000% 0+382.475 -2.000%								-6.000% 0+498.117 6.000%		

MINISTRY OF TRANSPORT VIETNAM		ENGINEERING DESIGN CONSULTANT	REMARKS:	DA NANG-QUANG NGAI EXPRESSWAY DEVELOPMENT PROJECT Package: Station:					
CLIENT	PROJECT MANAGEMENT CONSULTANT	The Joint Venture of Nippon Koei Co., Ltd. Nippon Engineering Consultants Co., Ltd. Chodai Co., Ltd. Thai Engineering Consultants Co., Ltd.			PREPARED BY	CHECKED BY	APPROVED BY	QUANG NGAI IC (PHASE 2)-NÚT GIAO QUẢNG NGÃI (GIAI ĐOẠN 2)	
VIETNAM EXPRESSWAY CORPORATION	PROJECT MANAGEMENT UNIT NO.85			NAME	NGUYEN PHU DAT	A.MAGARIO	I.ISHIMOTO	PROFILE OF RAMP C&D-TRẮC DỌC NHÁNH C&D	
				SIGNATURE				SCALE	DRAWING NO. / REV. NO.
				DATE				AS SHOW	PKGA5-IC-PP-110 / 3

PATH - D:_02.CAREER\DN-QN PROJECT\SR.MAG\A09. QUANG NGAI IC.KH\129-920-130-4670\ACAD FILE\ACAD-02B-PROFILE -DAYLIGHT QUANG NGAI IC SS-101205.DWG - SHEET: PROFILE - JAN 15, 2013