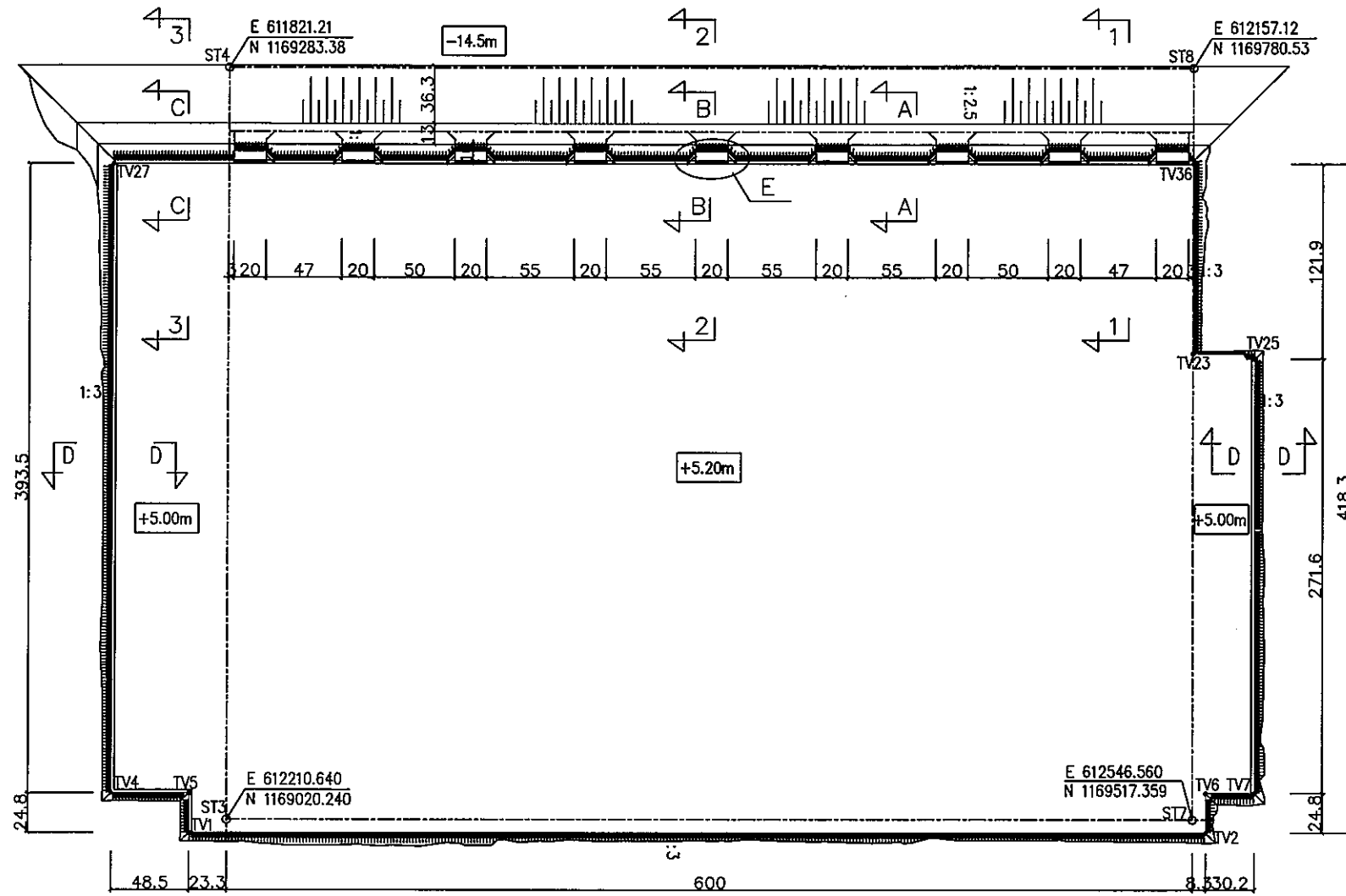


REVTMENT PLAN FOR THI VAI TERMINAL

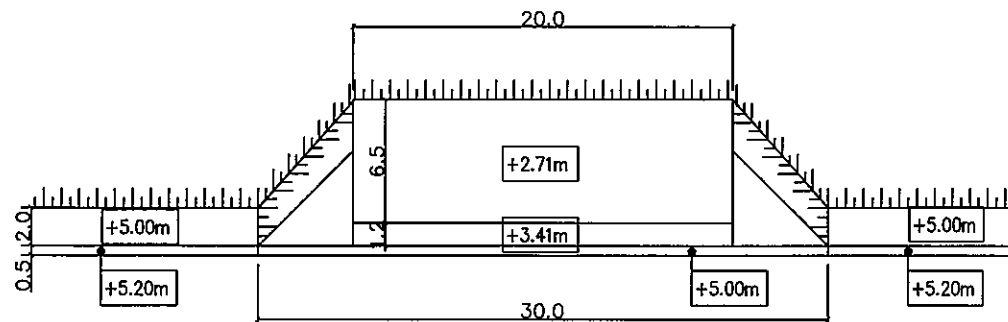
SCALE: 1/4000



STT	COORDINATE - (HN-72)	
	E (m)	N (m)
TV1	612204.47	1168996.29
TV2	612558.08	1169519.62
TV4	612156.77	1168969.99
TV5	612183.92	1169010.17
TV6	612537.54	1169533.51
TV7	612554.44	1169558.53
TV23	612295.58	1169672.86
TV25	612329.40	1169710.59
TV27	611830.72	1169190.29
TV36	612206.84	1169746.94

DETAIL "E"

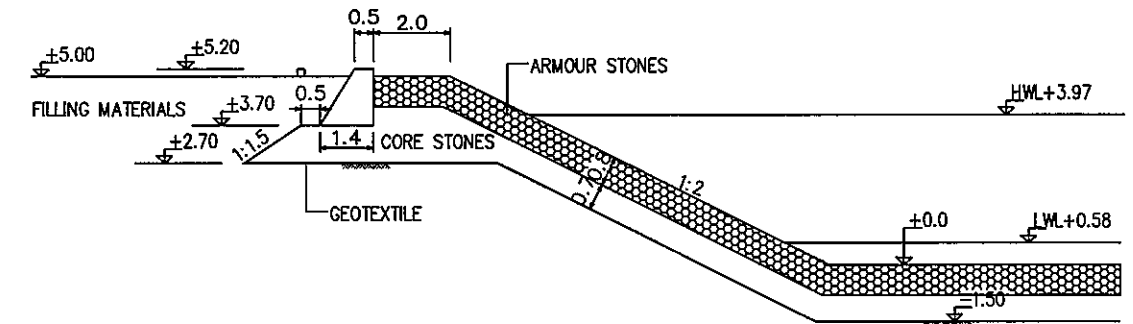
SCALE: 1/400



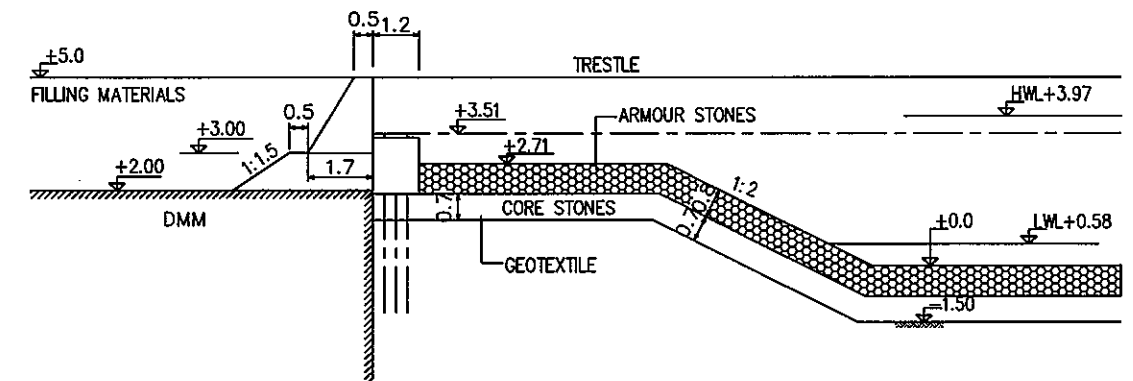
CROSS SECTION

SCALE: 1/200

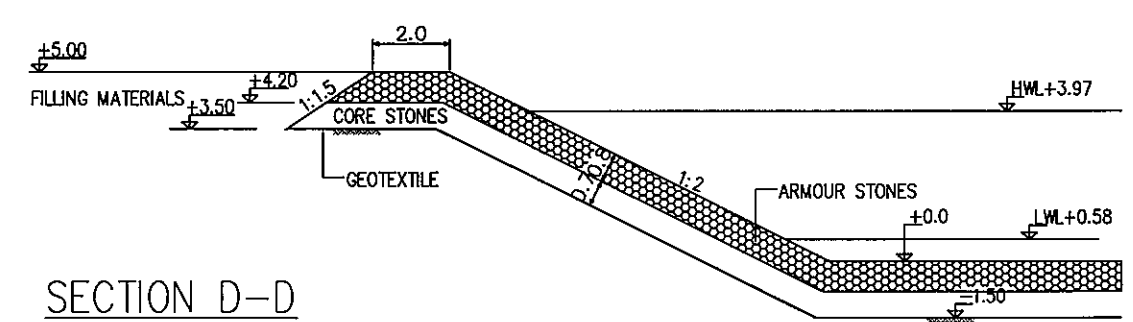
SECTION A-A



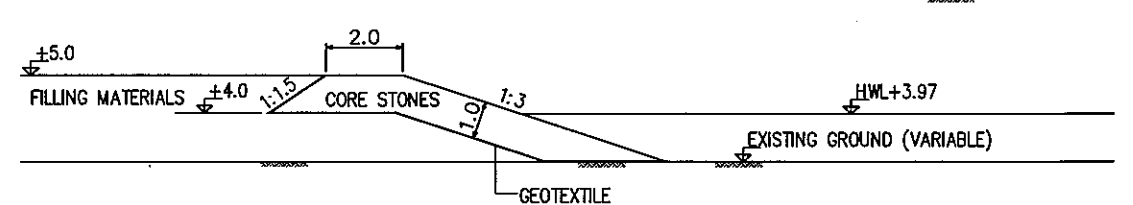
SECTION B-B



SECTION C-C



SECTION D-D

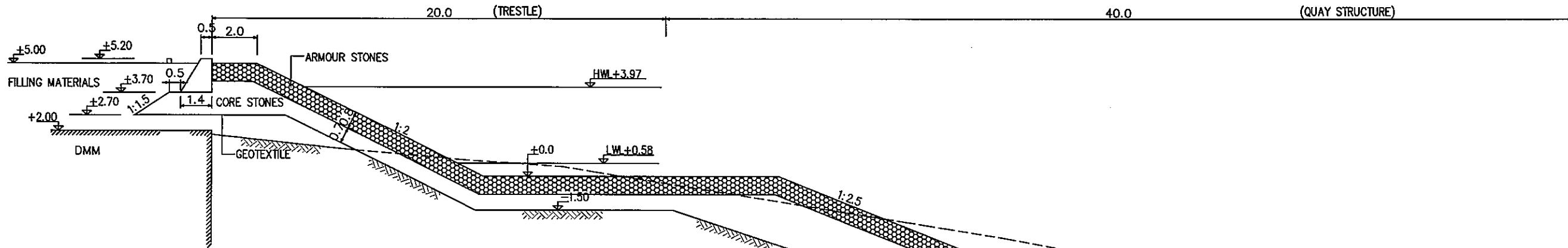


NOTES :

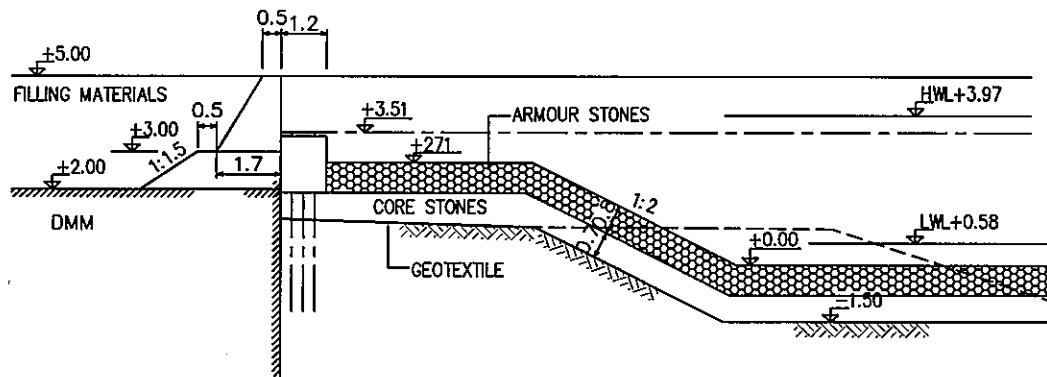
- DIMENSIONS ARE IN [M]
- ELEVATIONS ARE IN [M] - CHART DATUM
- COORDINATE SYSTEM HN72
- CORE STONES: CLASS I (10 kg to 50 kg/pcs)
- ARMOUR STONES: CLASS II (200 kg to 500 kg/pcs)
- GEOTEXTILE: NONWOVEN TENSILE STRENGTH 14.5kN/m

				THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85		CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT		DESIGNED BY: IWAMA K. DRAWN BY: NGUYEN TU DAT CHECKED BY: NAGAO N. APPROVED BY: NAGAI K. ISSUE DATE: 10/NOV/2006 SCALE: 1/4000, 1/200		SECTION: CIVIL WORKS SUB-SECTION: RETAINING WALL REVTMENT TITLE OF DRAWING: GENERAL PLAN DWG NO: PAC2-TV-RVM-001 REV. NO	
				JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)		PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA					
REV NO	DATE	DESCRIPTION	BY	APP							

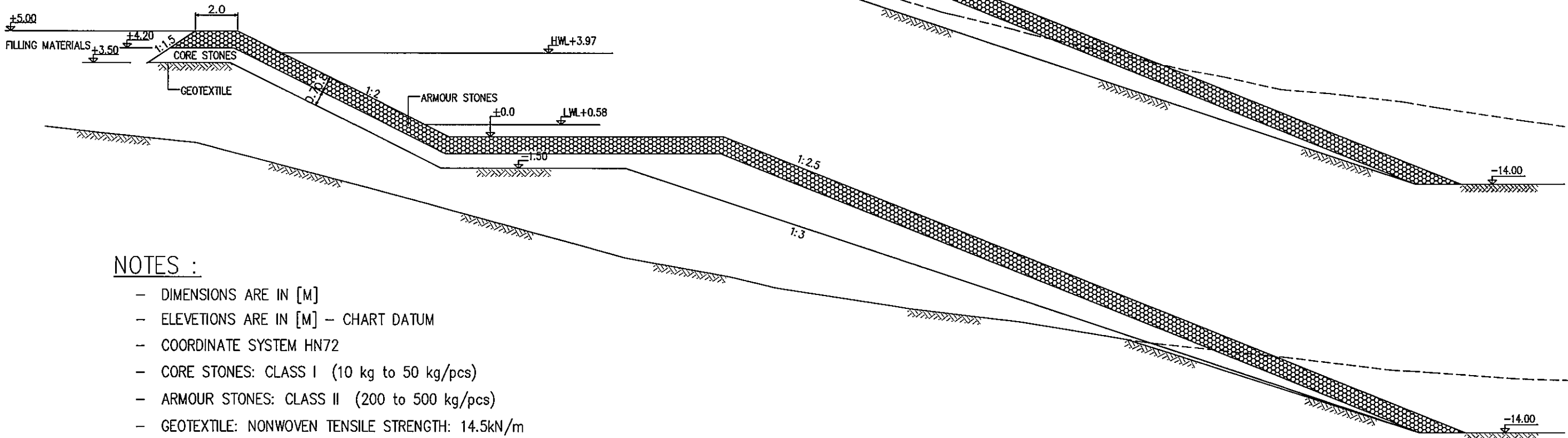
SECTION 1-1



SECTION 2-2



SECTION 3-3



NOTES :

- DIMENSIONS ARE IN [M]
- ELEVATIONS ARE IN [M] - CHART DATUM
- COORDINATE SYSTEM HN72
- CORE STONES: CLASS I (10 kg to 50 kg/pcs)
- ARMOUR STONES: CLASS II (200 to 500 kg/pcs)
- GEOTEXTILE: NONWOVEN TENSILE STRENGTH: 14.5kN/m

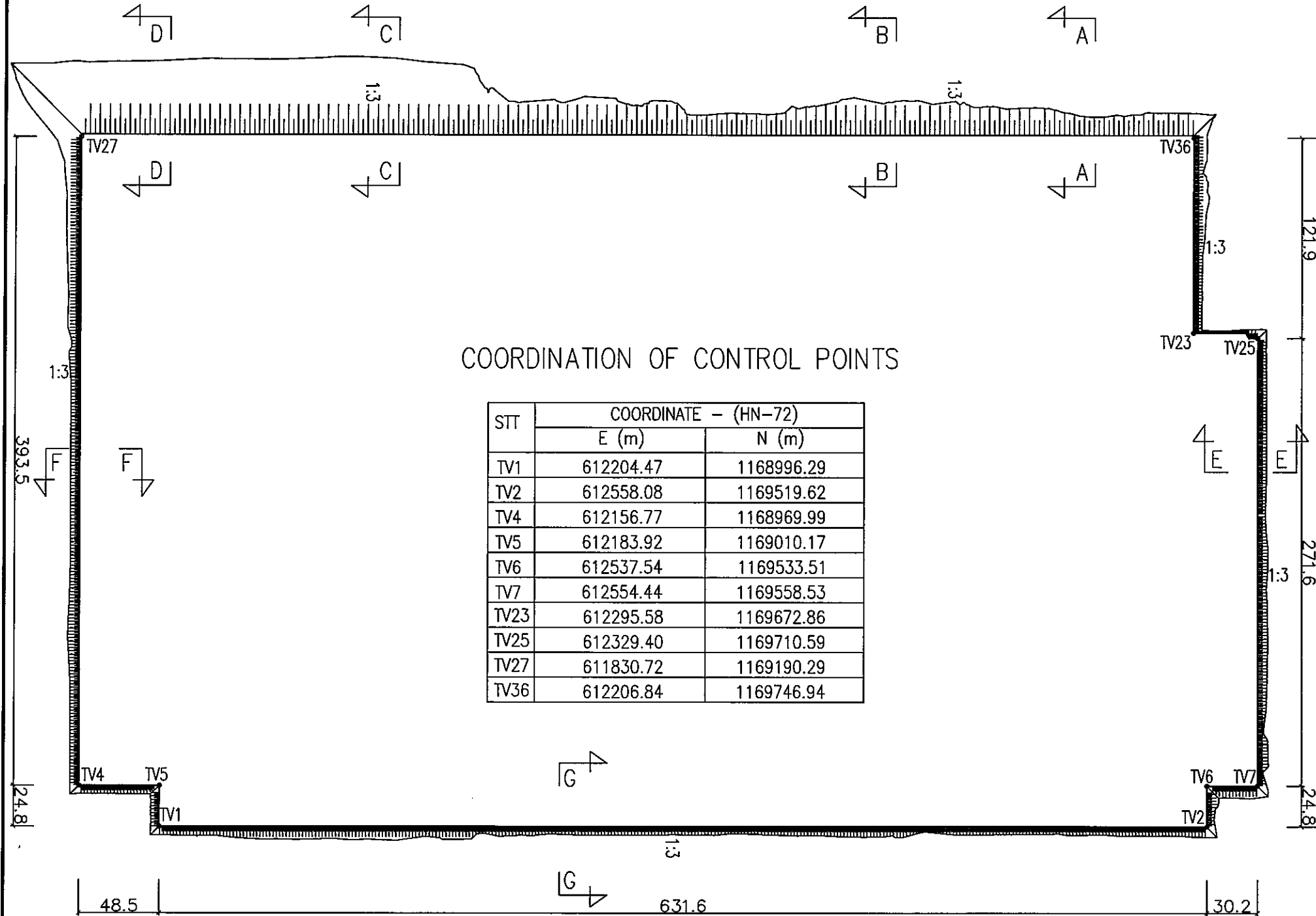
THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85					CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT		DESIGNED BY: IWAMA K. DRAWN BY: NGUYEN TU DAT CHECKED BY: WAGAO N. APPROVED BY: NAGAI K.		SECTION: CIVIL WORKS SUB-SECTION: RETAINING WALL REVETMENT TITLE OF DRAWING: GENERAL PLAN	
JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)					PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA		ISSUE DATE: 10/NOV/2006 SCALE: 1/200		DWG NO.: PAC2-TV-RVM-002 REV. NO.	
REV NO	DATE	DESCRIPTION	BY	APP						

RECLAMATION PLAN FOR THI VAI TERMINAL

SCALE: 1/3000

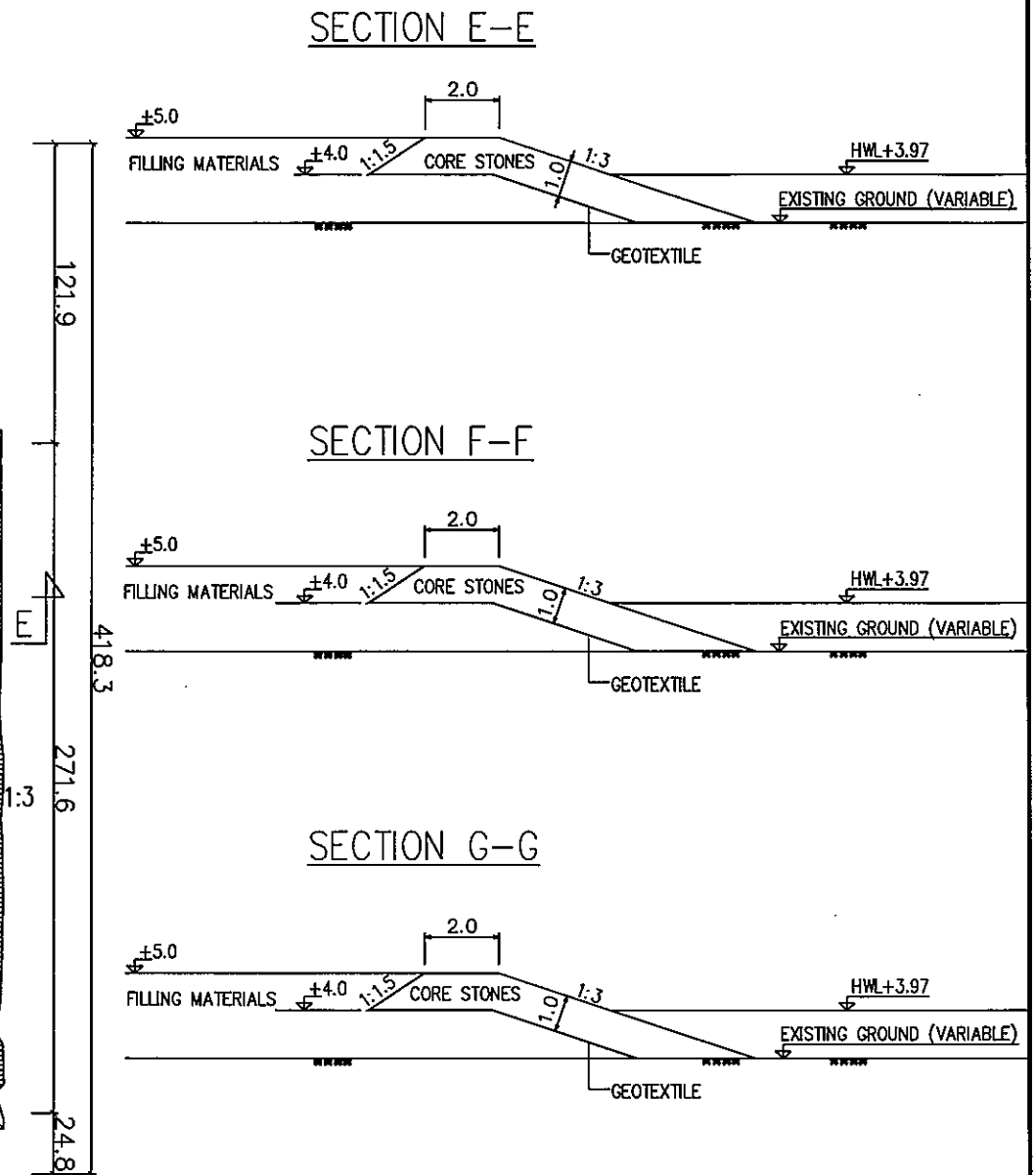
CROSS SECTION

SCALE: 1/200



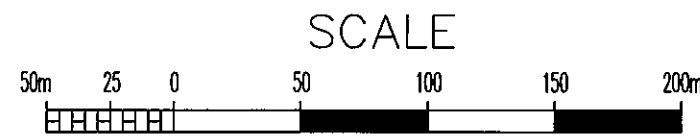
COORDINATION OF CONTROL POINTS

STT	COORDINATE - (HN-72)	
	E (m)	N (m)
TV1	612204.47	1168996.29
TV2	612558.08	1169519.62
TV4	612156.77	1168969.99
TV5	612183.92	1169010.17
TV6	612537.54	1169533.51
TV7	612554.44	1169558.53
TV23	612295.58	1169672.86
TV25	612329.40	1169710.59
TV27	611830.72	1169190.29
TV36	612206.84	1169746.94



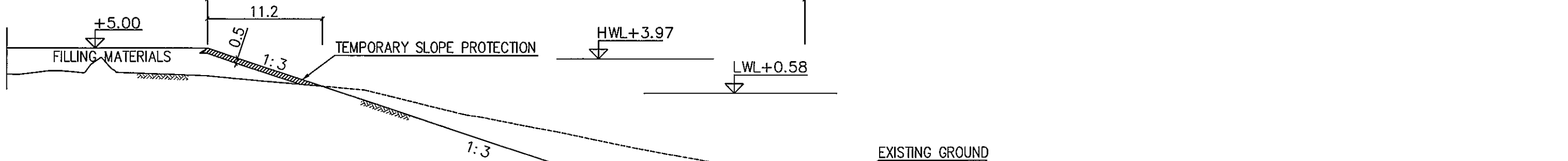
NOTES :

- DIMENSIONS ARE IN [M]
- ELEVATIONS ARE IN [M]-CHART DATUM
- COORDINATE SYSTEM HN72
- CORE STONES: CLASS I (10 - 50 kg/pcs)
- GEOTEXTILE: NONWOVEN TENSILE STRENGTH: 14.5kN/m

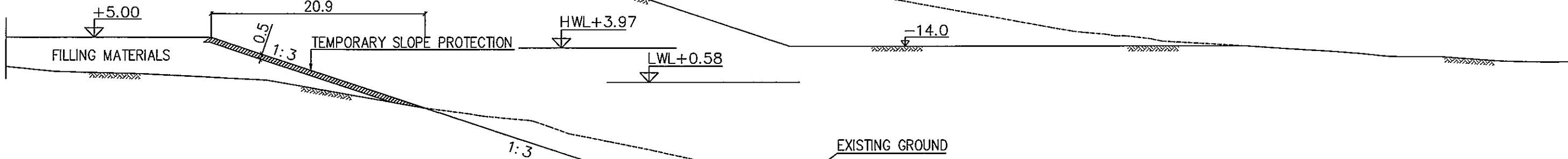


THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85				CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT		DESIGNED BY: IWAMA K. DRAWN BY: NGUYEN TU DAT CHECKED BY: NAGAO N. APPROVED BY: NAGAI K. ISSUE DATE: 15/SEP/2005 SCALE: 1/3000, 1/200		SECTION: CIVIL WORKS SUB-SECTION: EARTHWORKS TITLE OF DRAWING: GENERAL PLAN DWG NO: PAC2-TV-REC-001 REV. NO	
JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)				PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA					
REV NO	DATE	DESCRIPTION	BY	APP					

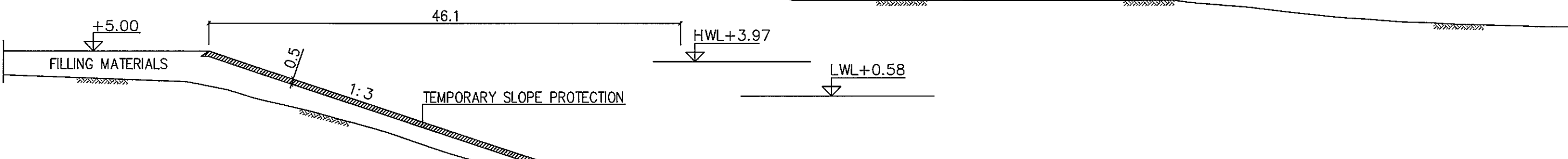
SECTION A-A



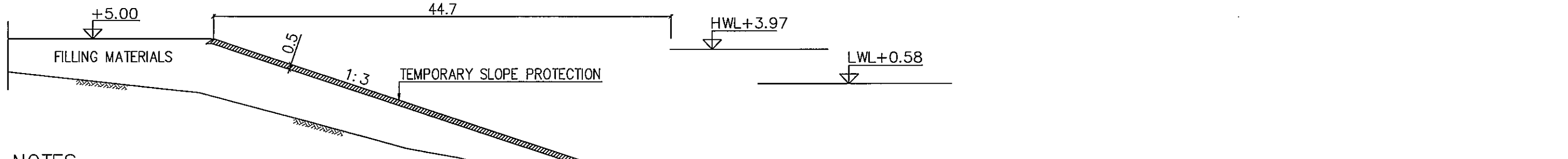
SECTION B-B



SECTION C-C



SECTION D-D



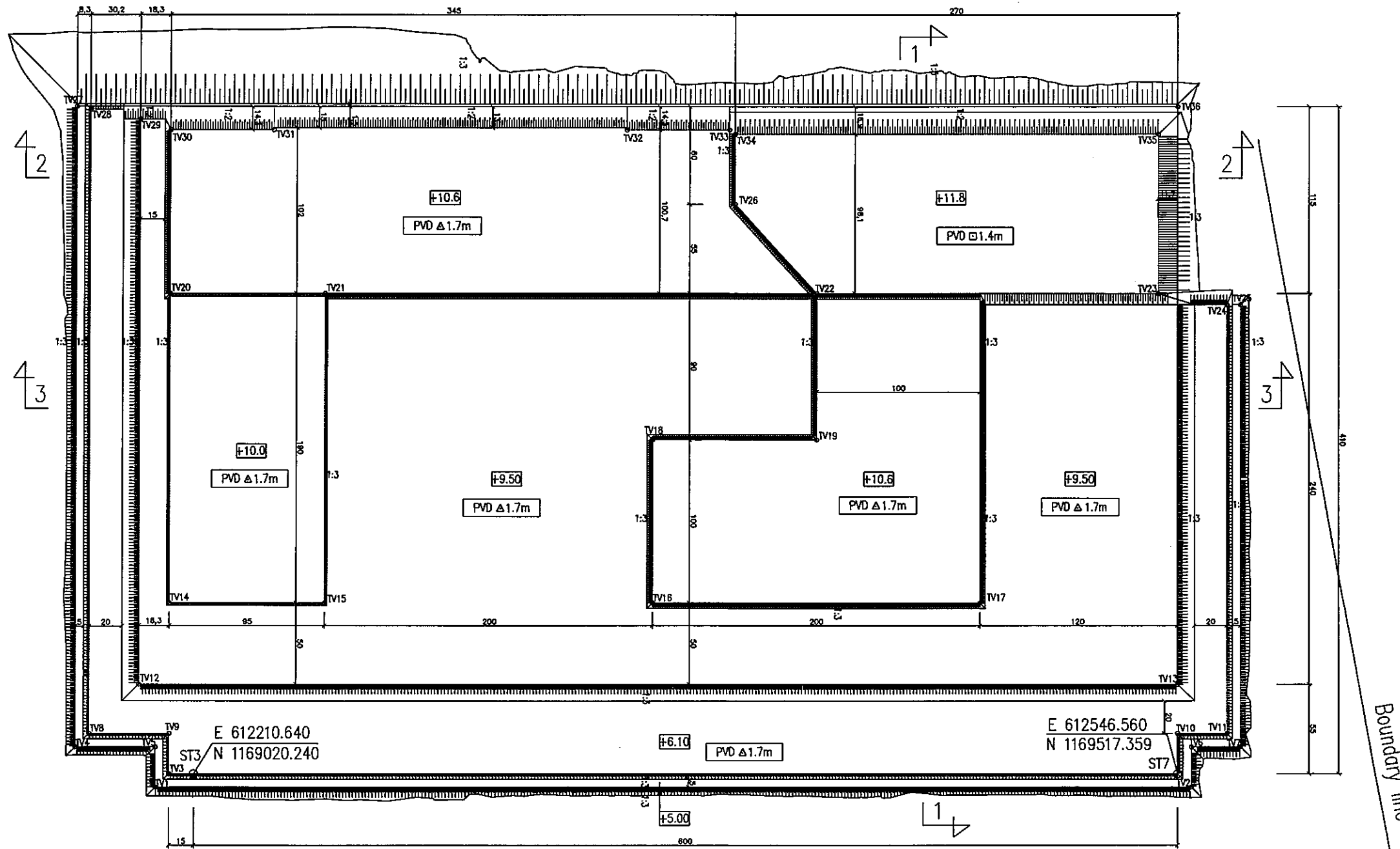
NOTES :

- DIMENSIONS ARE IN [M]
- ELEVATIONS ARE IN [M] - CHART DATUM
- COORDINATE SYSTEM HN72

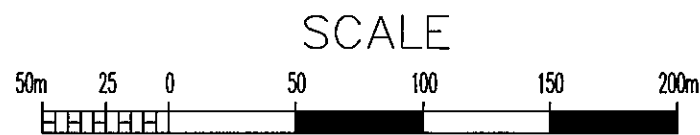
				THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85		CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT		DESIGNED BY: IWAMA K. DRAWN BY: NGUYEN TU DAT CHECKED BY: NAGAO N. APPROVED BY: NAGAI K. ISSUE DATE: 10/NOV/2006 SCALE: 1/400		SECTION: CIVIL WORKS SUB-SECTION: EARTHWORKS TITLE OF DRAWING: CROSS SECTION DWG NO: PAC2-TV-REC-002 REV. NO	
				JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)		PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA					
REV NO	DATE	DESCRIPTION	BY	APP							

SURCHARGE PLAN (THI VAI PORT)
SCALE: 1/3000

**CONTROLLING POINT'S COORDINATES
OF THI VAI PORT AREA**



STT	COORDINATE - (HN-72)	
	E (m)	N (m)
TV1	612204.47	1168996.29
TV2	612558.08	1169519.62
TV3	612202.24	1169007.81
TV4	612156.77	1168969.99
TV5	612183.92	1169010.17
TV6	612537.54	1169533.51
TV7	612554.44	1169558.53
TV8	612154.54	1168981.51
TV9	612181.69	1169021.70
TV10	612526.01	1169531.28
TV11	612542.92	1169556.30
TV12	612146.42	1169023.44
TV13	612500.99	1169548.18
TV14	612115.24	1169066.60
TV15	612168.43	1169145.31
TV16	612280.40	1169311.03
TV17	612392.38	1169476.75
TV18	612197.54	1169367.02
TV19	612253.53	1169449.87
TV20	611957.81	1169172.97
TV21	612011.00	1169251.69
TV22	612178.96	1169500.26
TV23	612295.58	1169672.86
TV24	612324.75	1169703.71
TV25	612329.40	1169710.59
TV26	612105.39	1169489.63
TV27	611830.72	1169190.29
TV28	611836.86	1169196.16
TV29	611858.74	1169217.83
TV30	611874.37	1169229.35
TV31	611909.64	1169281.55
TV32	612030.57	1169460.53
TV33	612065.51	1169512.23
TV34	612069.68	1169513.76
TV35	612214.29	1169727.78
TV36	612206.84	1169746.94



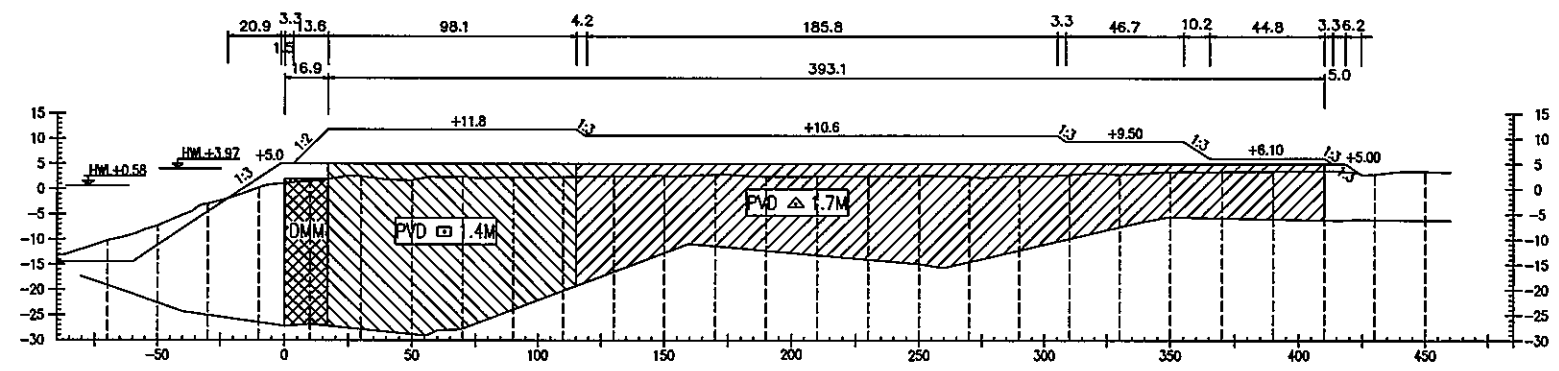
- NOTES :**
- DIMENSIONS ARE IN [M]
 - ELEVATIONS ARE IN [M]-CHART DATUM
 - COORDINATE SYSTEM HN72

		THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85	CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT	DESIGNED BY: IWAMA K. DRAWN BY: NGUYEN TU DAT CHECKED BY: NAGAO N. APPROVED BY: NAGAI K. ISSUE DATE: 15/SEP/2005 SCALE: 1/3000	SECTION: CIVIL WORKS SUB-SECTION: SOIL IMPROVEMENT WORKS TITLE OF DRAWING: GENERAL PLAN DWG NO: PAC2-TV-SIP-001	REV. NO
REV NO	DATE	DESCRIPTION	BY	APP		

JAPAN INTERNATIONAL COOPERATION AGENCY
 ASSIGNED TO:
 JAPAN PORT CONSULTANT (JPC)
 PACIFIC CONSULTANTS INTERNATIONAL (PCI)
 INTERNATIONAL DEVELOPMENT SYSTEM (IDS)

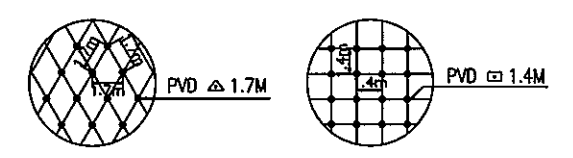
PACKAGE 2
 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR
 THI VAI AREA

SECTION 1-1
 VERTICAL SCALE: 1/1500
 HORIZONTAL SCALE: 1/3000



NATURAL ELEVATION [M]
-13.02
-10.27
-7.32
-2.85
+0.25
+1.52
+2.51
+1.78
+2.48
+2.29
+2.28
+2.26
+2.23
+2.21
+2.20
+2.23
+2.21
+2.24
+2.18
+2.27
+2.25
+2.28
+2.26
+2.23
+2.21
+2.24
+2.25
+2.20
+2.21
+2.18
+2.18

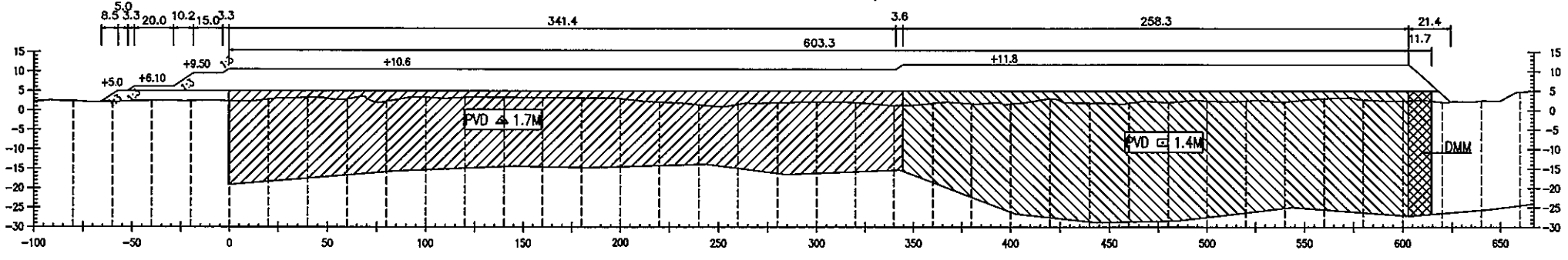
PVD ARRANGEMENT



NOTES :

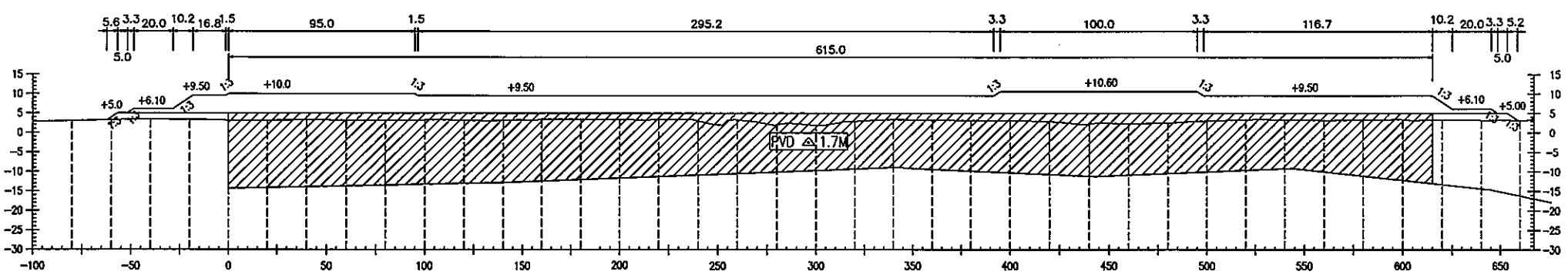
- SOIL IMPROVEMENT (PVD \square 1.4M)
- SOIL IMPROVEMENT (PVD \triangle 1.7M)
- DIMENSIONS ARE IN [M]
- ELEVATIONS ARE IN [M] - CHART DATUM
- COORDINATE SYSTEM HN72

SECTION 2-2
 VERTICAL SCALE: 1/1500
 HORIZONTAL SCALE: 1/3000



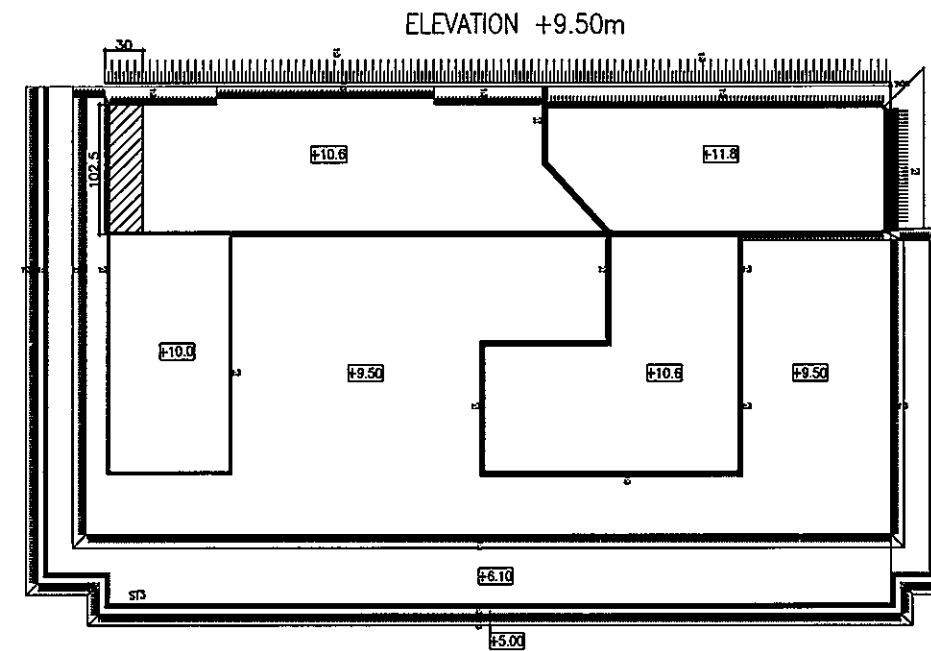
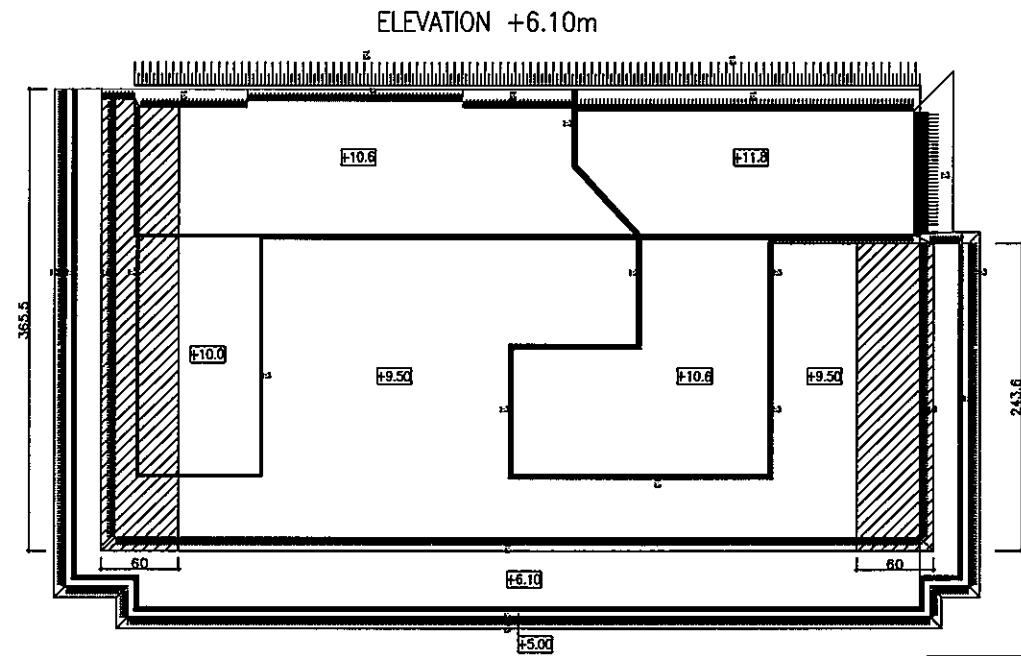
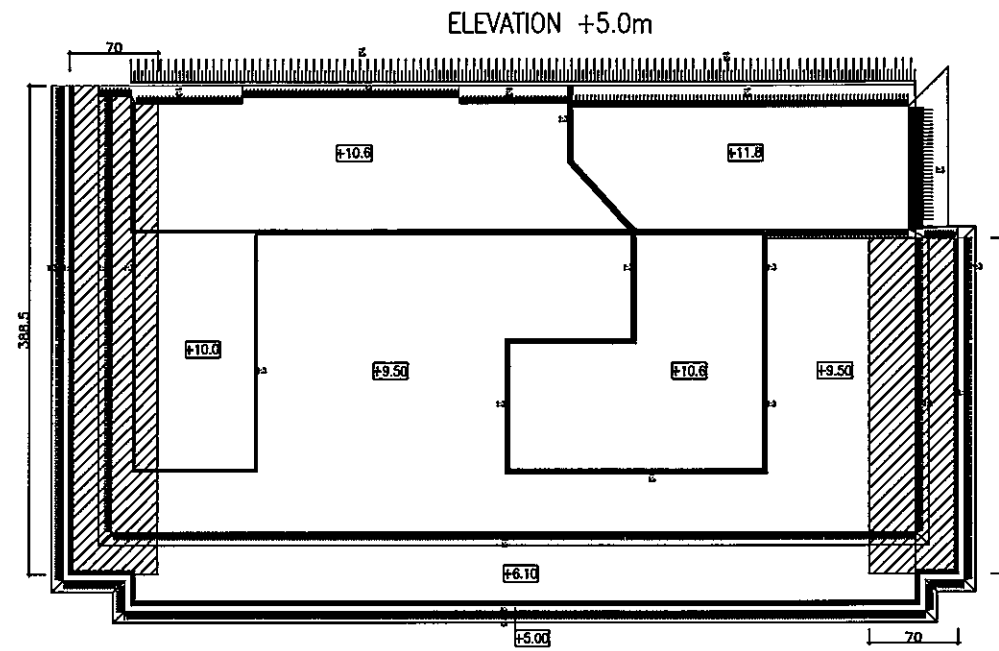
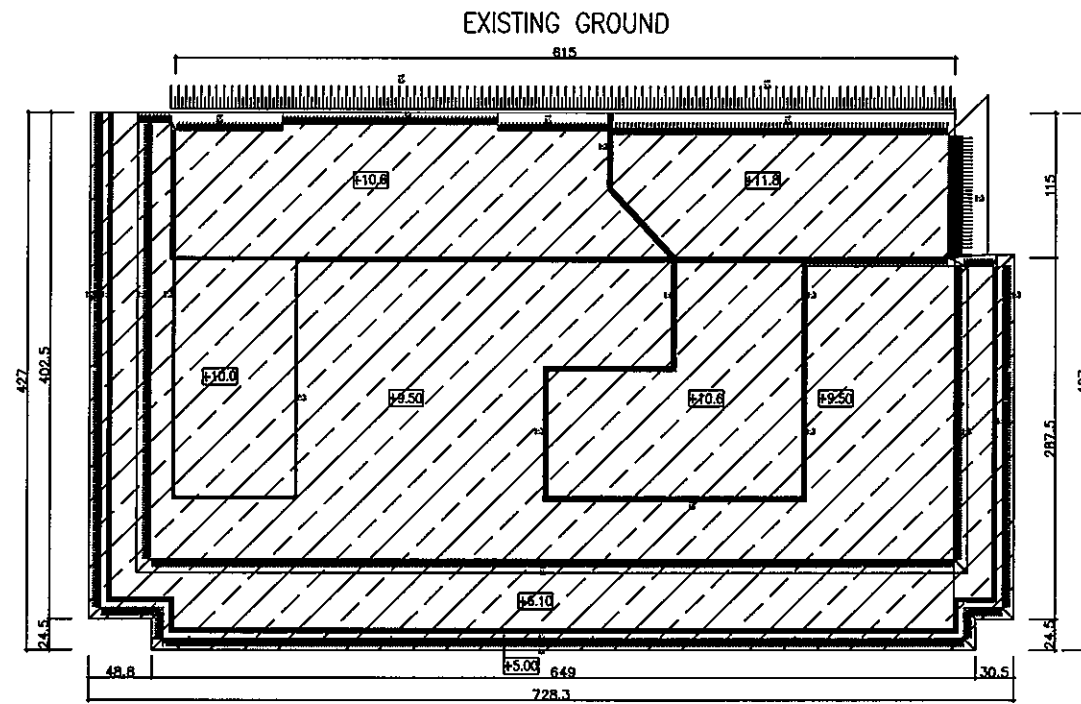
NATURAL ELEVATION [M]
+2.33
+2.27
+2.17
+2.14
+2.10
+2.14
+2.22
+2.30
+2.20
+2.27
+2.33
+2.32
+2.32
+2.24
+2.17
+2.00
+2.13
+1.14
+1.54
+1.87
+2.15
+1.89
+1.25
+1.85
+1.72
+1.66
+2.02
+1.81
+1.89
+2.10
+2.44
+2.45
+2.26
+2.08
+2.73
+2.45
+2.08
+2.18
+2.18

SECTION 3-3
 VERTICAL SCALE: 1/1500
 HORIZONTAL SCALE: 1/3000



NATURAL ELEVATION [M]
+2.78
+2.04
+2.21
+2.42
+2.35
+2.18
+2.17
+2.27
+2.19
+2.18
+2.25
+2.15
+2.16
+2.47
+2.45
+2.34
+2.35
+2.03
+2.20
+2.05
+1.91
+2.28
+2.28
+2.22
+2.16
+2.08
+2.86
+2.28
+2.29
+2.47
+2.05
+2.24
+2.21
+2.19
+2.21
+2.37
+2.28
+2.19
+2.14



		THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85		CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT		DESIGNED BY: IWAMA K. DRAWN BY: NGUYEN TU DAT CHECKED BY: NAGAO N. APPROVED BY: NAGAI K. ISSUE DATE: 15/SEP/2005 SCALE: 1/1500, 1/3000		SECTION: CIVIL WORKS SUB-SECTION: SOIL IMPROVEMENT WORKS TITLE OF DRAWING: CROSS SECTIONS DWG NO: PAC2-TV-SIP-002 REV. NO	
		JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)		PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA					
REV NO	DATE	DESCRIPTION	BY	APP					




QUANTITIES OF GEOTEXTILE

ELEVATION	60 KN/M	14.5 KN/M
EXISTING GROUND	0 M2	294289 M2
+5.00m	45361 M2	0 M2
+6.10m	35864 M2	0 M2
+9.50m	3075 M2	0 M2
TOTAL	84300 M2	294289 M2

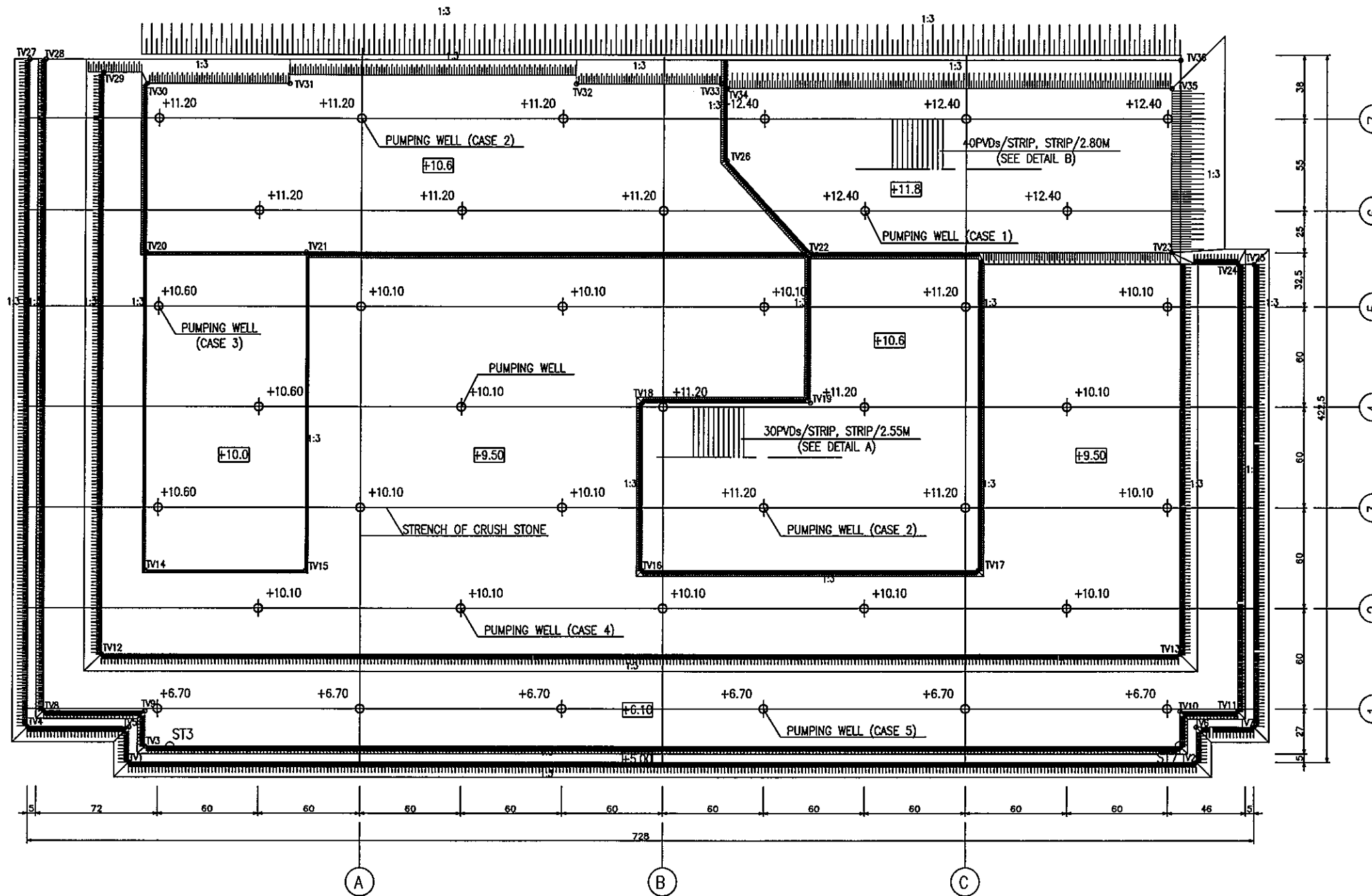
LEGEND:

-  GEOTEXTILE WITH TENSILE STRENGTH 60KN/M (WOVEN)
-  GEOTEXTILE WITH TENSILE STRENGTH 14.5KN/M (NONWOVEN)

THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85					CAI MEP – THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT					DESIGNED BY: IWAMA K. DRAWN BY: NGUYEN TU DAT CHECKED BY: NAGAO N. APPROVED BY: NAGAI K.		SECTION: SUB-SECTION: TITLE OF DRAWING:	
					PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA					ISSUE DATE: 15/SEP/2005 SCALE: 1/7000		CIVIL WORKS SOIL IMPROVEMENT WORKS PLAN OF GEOTEXTILE SHEETS	
REV NO	DATE	DESCRIPTION	BY	APP						DWG NO:	REV. NO		
										PAC2-TV-SIP-003			

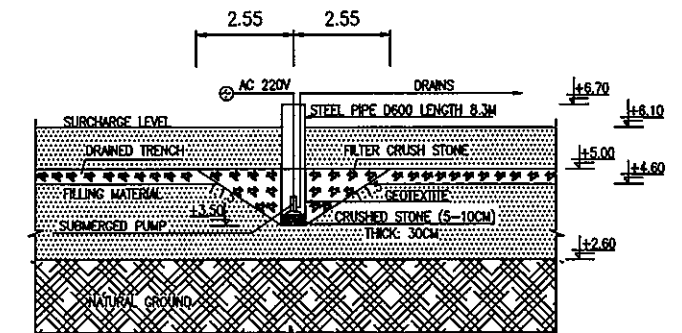
PLAN OF LATERAL DRAINAGE

SCALE: 1/3000



STRUCTURE OF PUMPING WELL (CASE 5)

SCALE: 1/200

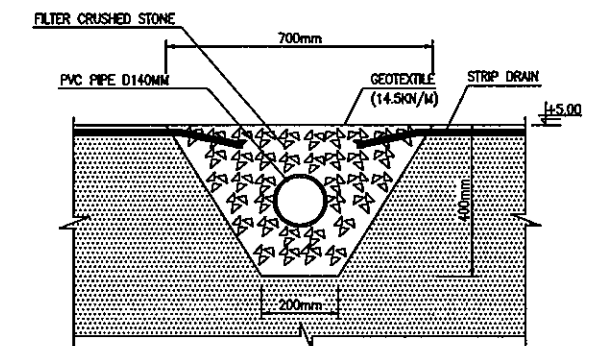


NOTE FOR CASE 1 TO 4

CASE	SURCHARGE LEVEL (M)	TOP OF WELL
1	+11.80	+12.40
2	+10.60	+11.20
3	+10.00	+10.60
4	+9.50	+10.10

DETAILS OF DRAINAGE TRENCH

SCALE: 1/20



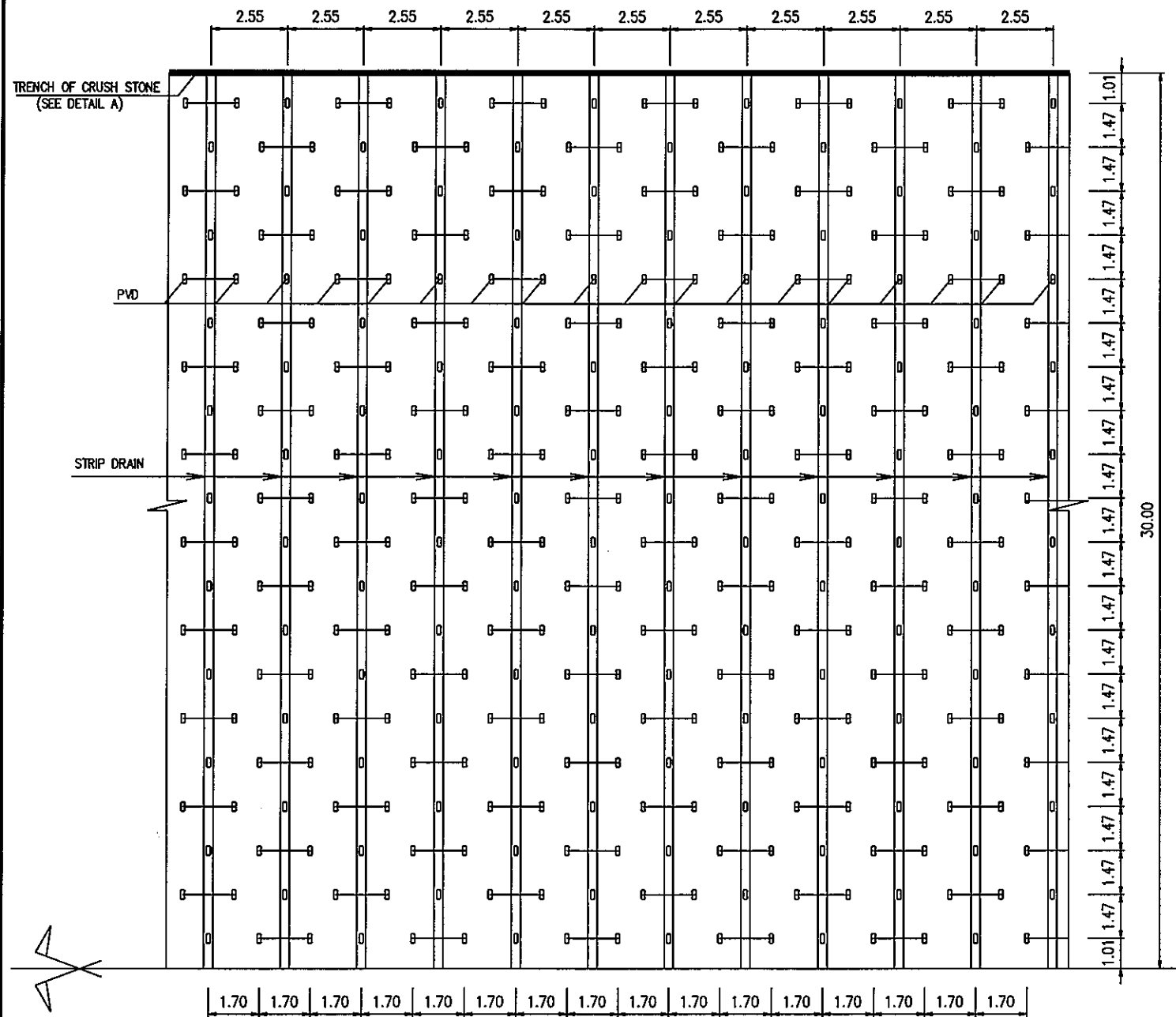
NOTES:

- DIMENSIONS ARE IN [M], ELEVATIONS ARE IN [M] - "HON DAU" DATUM
- THIS DRAWING IS READ TOGETHER WITH DRAWING No. PAC2-TV-SIP-005
- FROM +3.50 TO +5.00, STEEL PIPES ARE MADE HOLES AND WRAPPED WITH GEOTEXTILE
- GEOTEXTILE IS NONWOVEN WITH TENSILE STRENGTH OF 14.5KN/M
- AT THE BOTTOM, WELLS ARE LINED WITH CRUSH STONE 5-10CM AND SET UP A PUMP CAPABLE OF 5M³/H
- PVC PIPE IS MADE HOLES WITH DIAMETER OF 10MM AT EVERY 20CM
- NUMBER OF WELLS CASE 1 IS 5, CASE 2 IS 11, CASE 3 IS 3, CASE 4 IS 14, AND CASE 5 IS 6

		THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85		CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT		DESIGNED BY: IWAMA K. DRAWN BY: PHAM MANH DU CHECKED BY: NAGAO N. APPROVED BY: NAGAI K. ISSUE DATE: 15/SEP/2005 SCALE: 1/3000, 1/200, 1/20		SECTION: CIVIL WORKS SUB-SECTION: SOIL IMPROVEMENT WORKS TITLE OF DRAWING: HORIZONTAL DRAINAGE SYSTEM		REV. NO	
		JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)		PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA				DWG NO: PAC2-TV-SIP-004			
REV NO	DATE	DESCRIPTION	BY	APP							

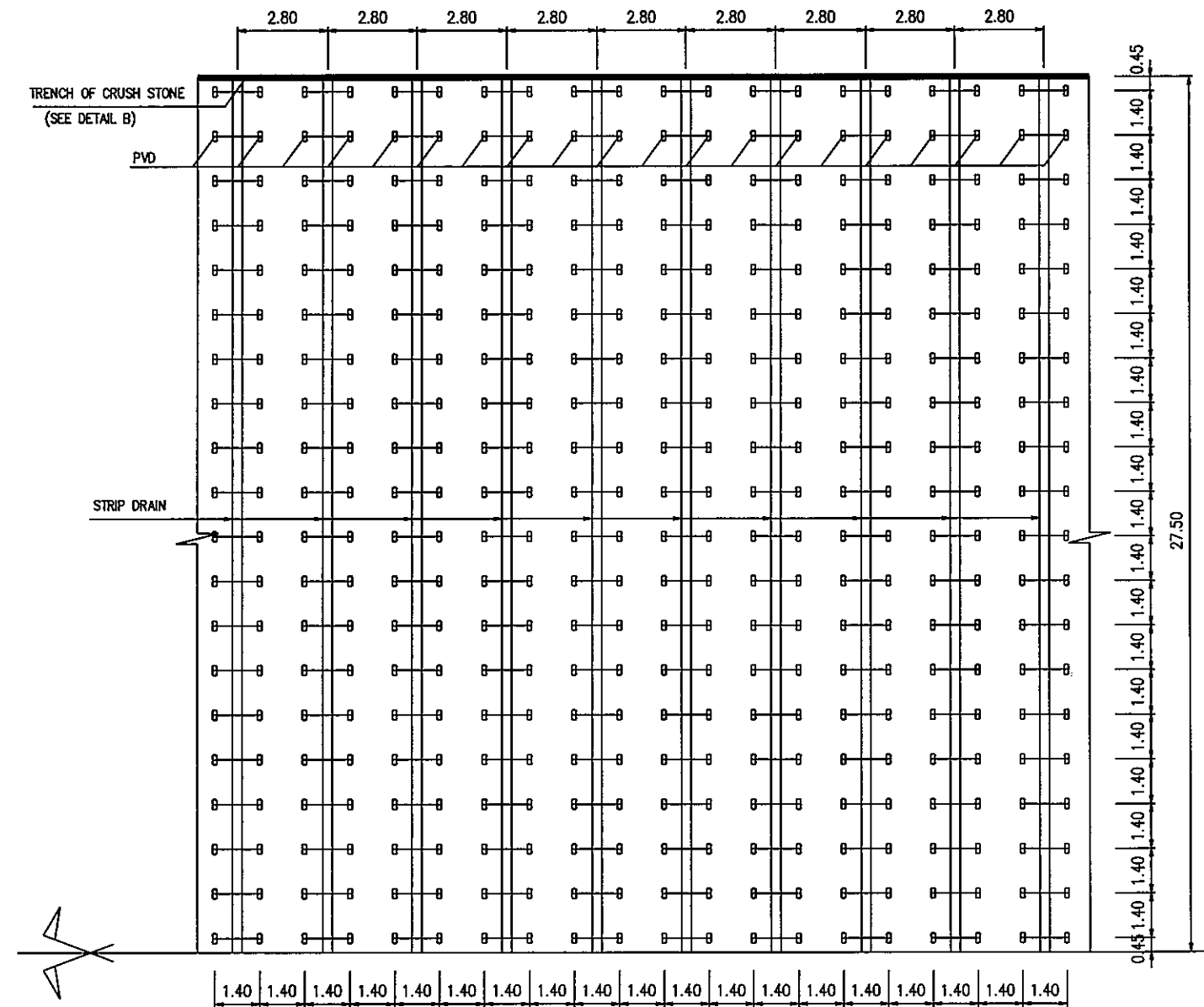
DETAIL A

SCALE: 1/200



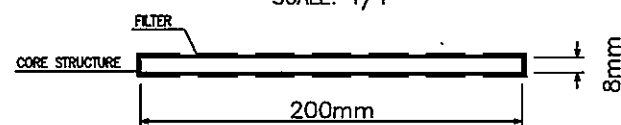
DETAIL B

SCALE: 1/200



TYPICAL SECTION OF STRIP DRAIN

SCALE: 1/4



STRIP DRAIN SPECIFICATION:

- CORE STRUCTURE: POLYVINYL CHLORIDE
- FILTER: POLYESTER SPUNBOND
- DISCHARGE CAPACITY: 24M³/DAY

BILL OF MATERIALS

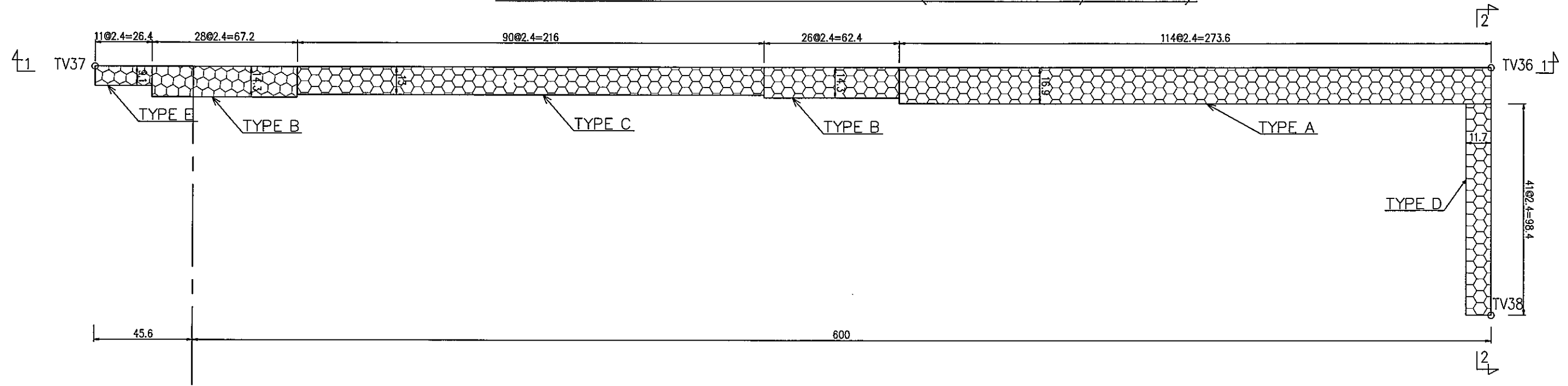
MATERIAL	STRIP DRAIN (M)	FILTER CRUSHED STONE (M ³)	CRUSHED STONE 5 TO 10 CM (M ³)	GEOTEXTILE (M ²)	STEEL PIPE D600 (M)	PVC PIPE D140 (M)	PUMP 5M ³ /HR (NOS)
QUANTITY	93954	1409	3.31	11996	262.1	6078	39

NOTES:

- DIMENSIONS ARE IN [M], ELEVATIONS ARE IN [M] - "HON DAU" DATUM
- THIS DRAWING IS READ TOGETHER WITH DRAWING No. PAC2-TV-SIP-004
- ACCEPTABLE MANUFACTURER SB DRAIN (T-200) OR APPROVED EQUAL
- PVD SHALL BE CONNECTED WITH A STRIP DRAIN AT THE EXTENT APPROX 20 CM

THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85				CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT				DESIGNED BY: IWAMA K. DRAWN BY: PHAM MANH DU CHECKED BY: NAGAO N. APPROVED BY: NAGAI K. ISSUE DATE: 15/SEP/2005 SCALE: 1/200, 1/4		SECTION: CIVIL WORKS SUB-SECTION: SOIL IMPROVEMENT WORKS TITLE OF DRAWING: LATERAL STRIP DRAIN DWG NO: PAC2-TV-SIP-005		REV. NO
JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)				PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA								
REV NO	DATE	DESCRIPTION	BY	APP								

GENERAL PLAN OF DMM (SCALE: 1/2000)

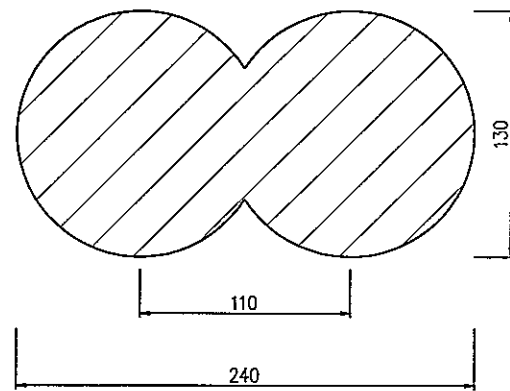


TYPE	QUANTITIES
Type A	1482 Nos
Type B	594 Nos
Type C	900 Nos
Type D	369 Nos
Type E	77 Nos
Total	3422 Nos

STT	COORDINATE (HN-72)	
	E (m)	N (m)
TV36	612206.84	1169746.94
TV37	611845.55	1169211.90
TV38	612302.38	1169682.39

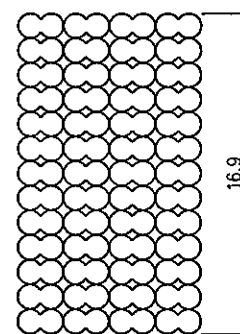
DMM Column Arrangement (column in contact – type)

DMM (WET) Column size

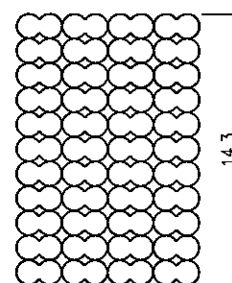


Design unconfined compressive strength = 500KN/m²

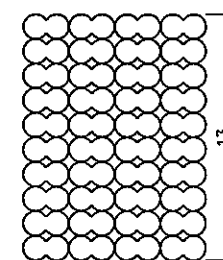
TYPE A
(13 rows)



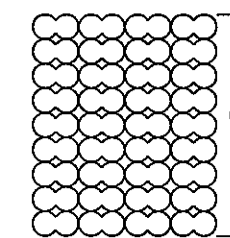
TYPE B
(11 rows)



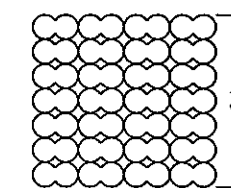
TYPE C
(10 rows)



TYPE D
(9 rows)



TYPE E
(7 rows)

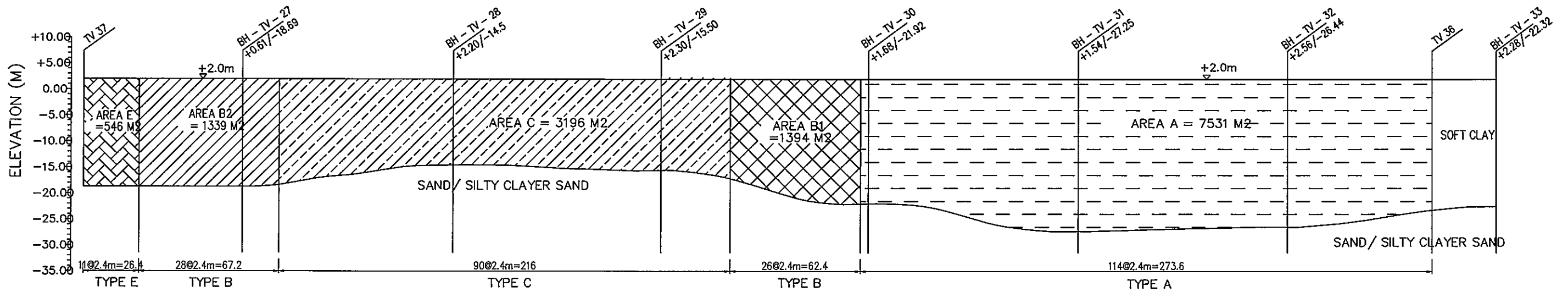


NOTES:

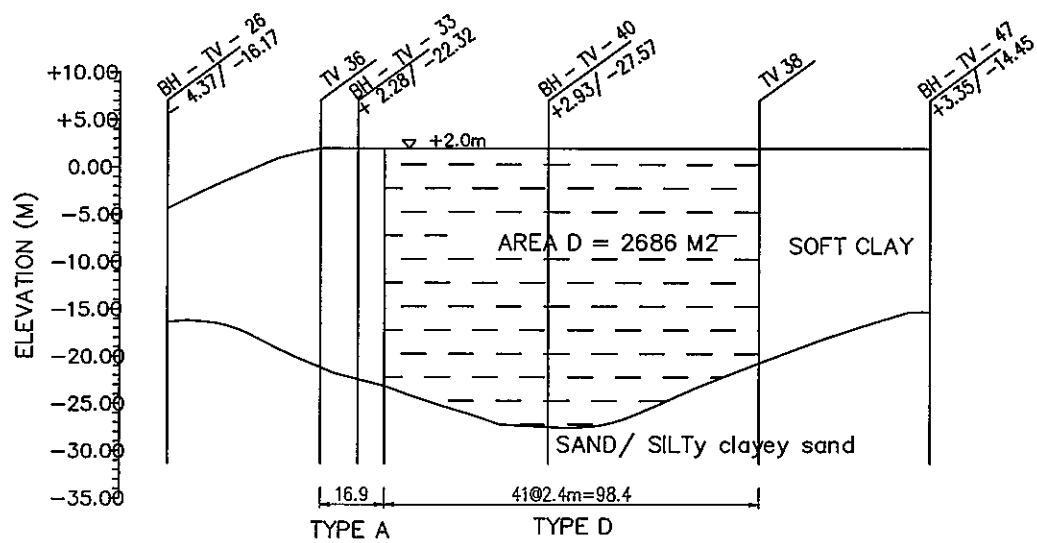
- DIMENSION ARE IN [M].
- ELEVATION ARE IN [M] – CHART DATUM.
- COORDINATE SYSTEM HN72.
- COLUMN SIZE AND ARRANGEMENT AS SHOWN ARE FOR REFERENCE ONLY, ACTUAL SIZE AND ARRANGEMENT SHALL BE APPROVED BY ENGINEER.

THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85					CAI MEP – THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT					DESIGNED BY: WAMA K. DRAWN BY: NGUYEN TU DAT CHECKED BY: NAGAO N. APPROVED BY: NAGAI K.		SECTION: CIVIL WORKS SUB-SECTION: SOIL IMPROVEMENT WORKS TITLE OF DRAWING: GENERAL PLAN OF DMM	
JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)					PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA					ISSUE DATE: 15/SEP/2005 SCALE: 1/2000		DWG NO: PAC2-TV-SIP-006 REV. NO	
REV NO	DATE	DESCRIPTION	BY	APP									

SECTION 1-1 (SCALE: 1/2000)



SECTION 2-2 (SCALE: 1/2000)



QUANTITIES OF DMM

TYPE	AREA (M2)	WIDTH (M)	VOLUME (M3)
A	7531	16.9	127274
B1	1394		
B2	1339		
B	2733	14.3	39082
C	3196	13.0	41548
D	2686	11.7	31426
E	546	9.1	4969
TOTAL	19425		244299

LEGENDS

BH - TV - 33: BOREHOLE NAME
 +2.28: ELAVATION OF BOREHOLE (m)
 -22.32: ELEVATION OF SOFT SOIL LAYER'S BOTTOM (cm)

NOTES:

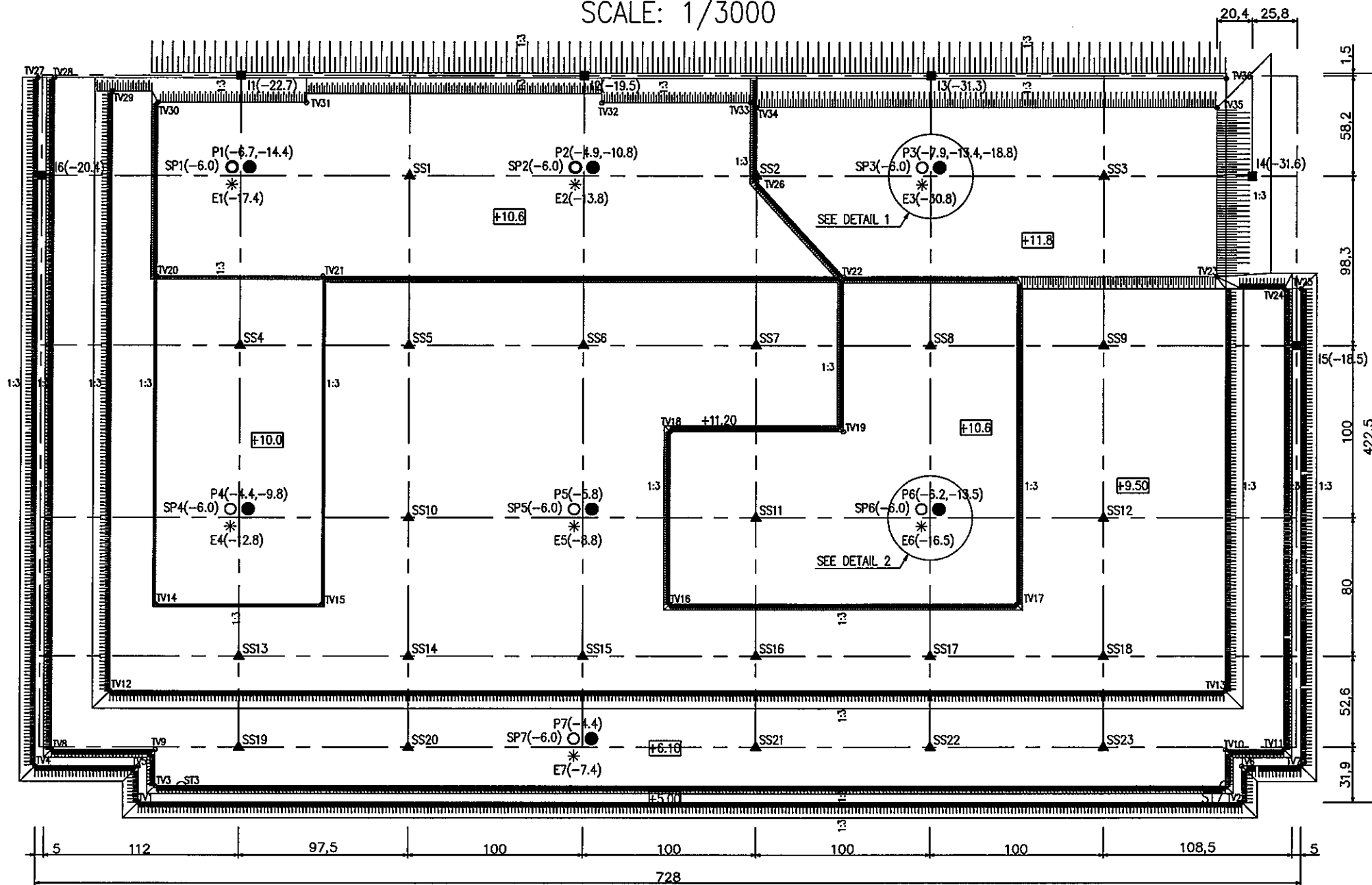
- DIMENSION ARE IN [M].
- ELEVATION ARE IN [M] - CHART DATUM.
- COORDINATE SYSTEM HN72.

STT	COORDINATE (HN-72)	
	E (m)	N (m)
TV 36	612206.84	1169746.94
TV 37	611845.55	1169211.90
TV 38	612302.38	1169682.39

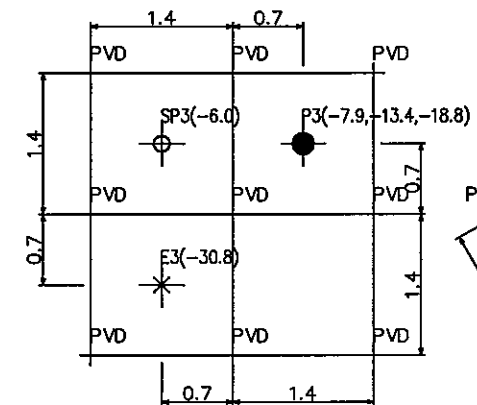
THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85					CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA			DESIGNED BY: IWAMA K. DRAWN BY: NGUYEN TU DAT CHECKED BY: NAGAO N. APPROVED BY: NAGAI K. ISSUE DATE: 15/SEP/2005 SCALE: 1/2000		SECTION: CIVIL WORKS SUB-SECTION: SOIL IMPROVEMENT WORKS TITLE OF DRAWING: CROSS SECTIONS OF DMM DWG NO: PAC2-TV-SIP-007 REV. NO	
REV NO	DATE	DESCRIPTION	BY	APP	JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)						

MONITORING PLAN

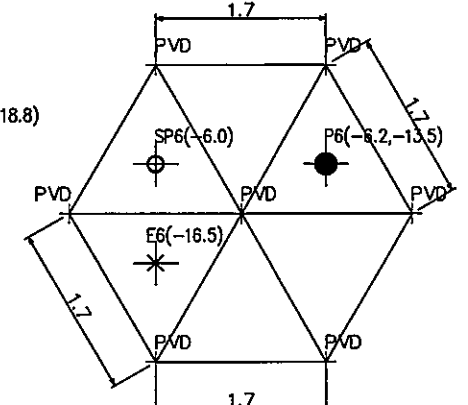
SCALE: 1/3000



DETAIL 1
NOT TO SCALE



DETAIL 2
NOT TO SCALE



QUANTITY OF MONITORING INSTRUMENTS

LEGEND	MONITORING INSTRUMENT	QUANTITY
▲	SS - SETTLEMENT PLATE	23 (S)
○	SP - STANDPIPE	07 (S)
●	P - V.W. PIEZOMETER	07 (S)
*	E - MAGNET EXTENSOMETER	07 (S)
■	I - INCLINOMETER	06 (S)
⊕	TV - CONTROL POINT	

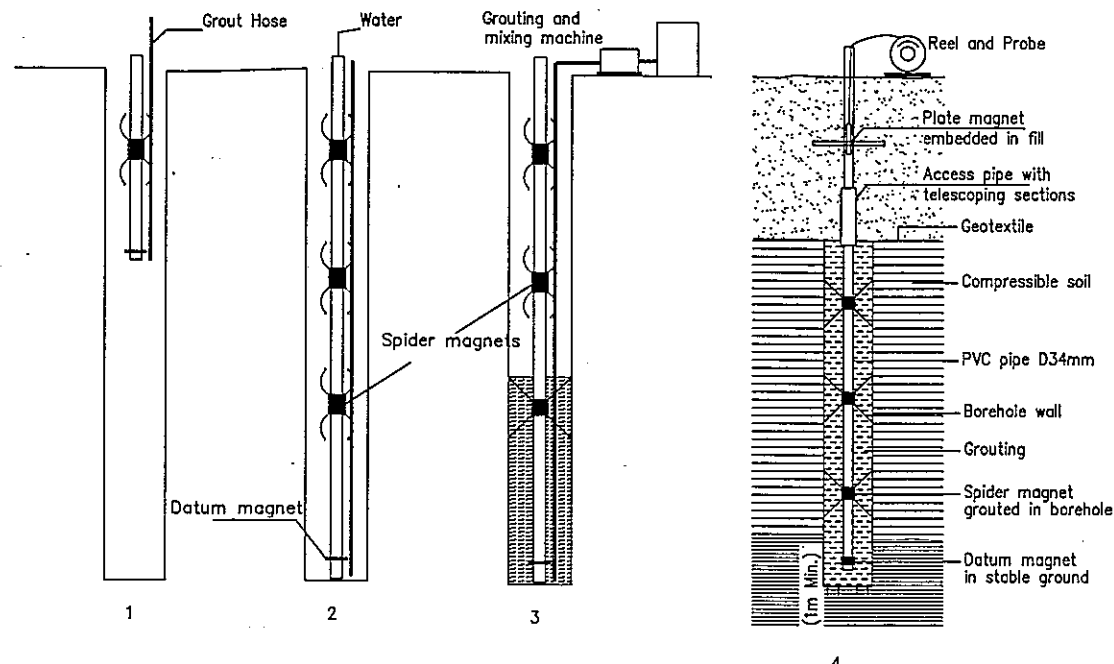
NOTES:

- DIMENSIONS ARE IN [M], ELEVATIONS ARE IN [M] - "HON DAU" DATUM
- MONITORING PLAN AS SHOWN ARE FOR REFERENCE ONLY, ACTUAL LOCATIONS AND NOS. SHALL BE DECIDED AT SITE
- DETAIL AND INSTALLATION PROCEDURE OF MONITORING INSTRUMENTS ARE SHOWN IN DRAWING No. PAC2-TV-SIP-009
- COORDINATES OF CONTROL POINTS (TV1, TV2,...) ARE SHOWN IN DRAWING No. PAC2-TV-SIP-001
- INCLINOMETER & EXTENSOMETER ELEVATIONS INDICATE THE BOTTOM OF THE MONITORING BOREHOLE EXTENDING 4M AND 1M RESPECTIVELY BEYOND THE HARD LAYER
- PIEZOMETER ELEVATIONS SHOW THE MONITORING POINTS OF PORE WATER PRESSURE
- SETTLEMENT PLATE SHALL BE PLACED ON TOP OF A LAYER OF FILLING MATERIALS WHICH IS 0.5 M THICKNESS

				THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85		CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT		DESIGNED BY: IWAMA K. DRAWN BY: PHAM MANH DU CHECKED BY: NAGAO N. APPROVED BY: NAGAI K. ISSUE DATE: 15/SEP/2005 SCALE: 1/3000	SECTION: SUB-SECTION: TITLE OF DRAWING: DWG NO.:	CIVIL WORKS SOIL IMPROVEMENT WORKS MONITORING PLAN PAC2-TV-SIP-008	REV. NO.
				JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)		PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA					
REV NO	DATE	DESCRIPTION	BY	APP							

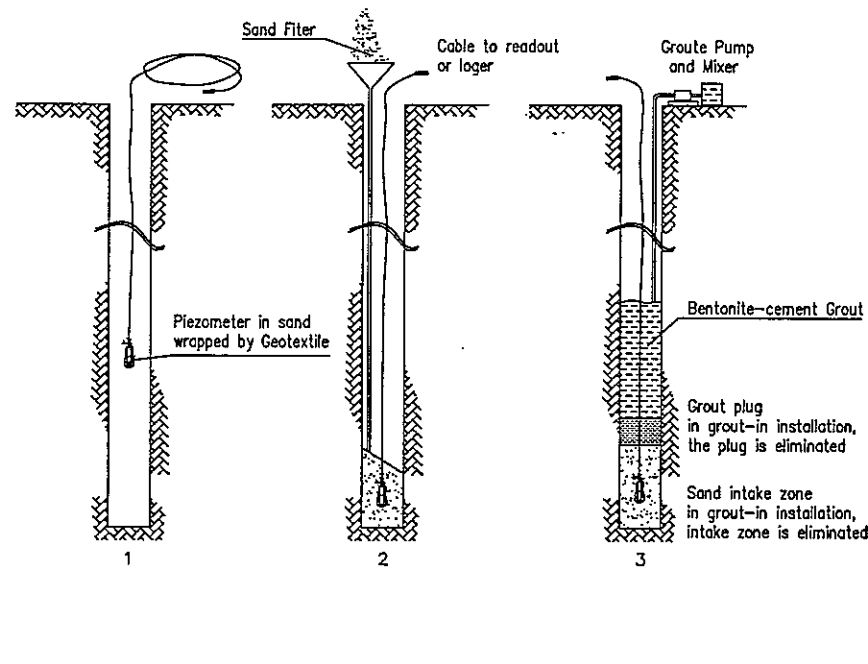
DETAIL AND INSTALLATION OF EXTENSOMETER

NOT TO SCALE



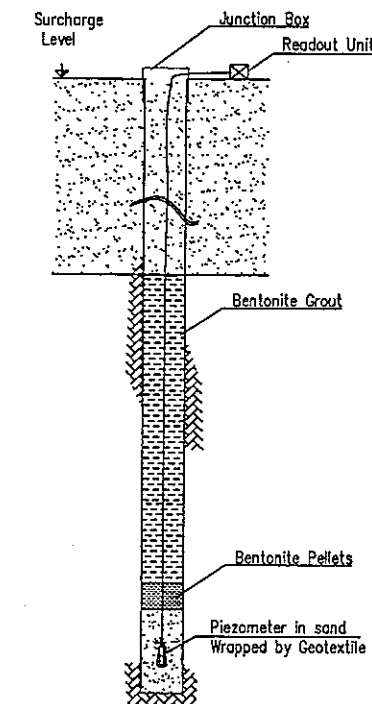
INSTALLATION OF PIEZOMETER

NOT TO SCALE



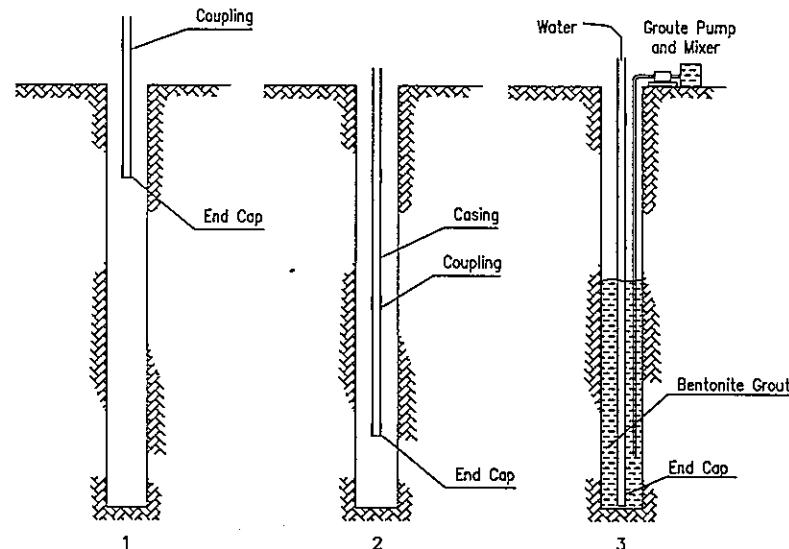
DETAIL OF 1 MONITORED POINT

NOT TO SCALE



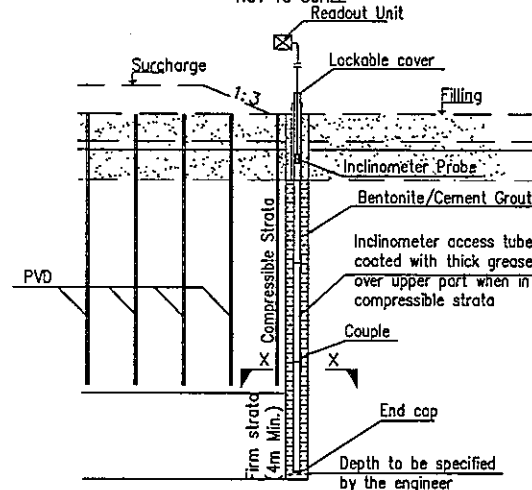
INSTALLATION OF INCLINOMETER

NOT TO SCALE



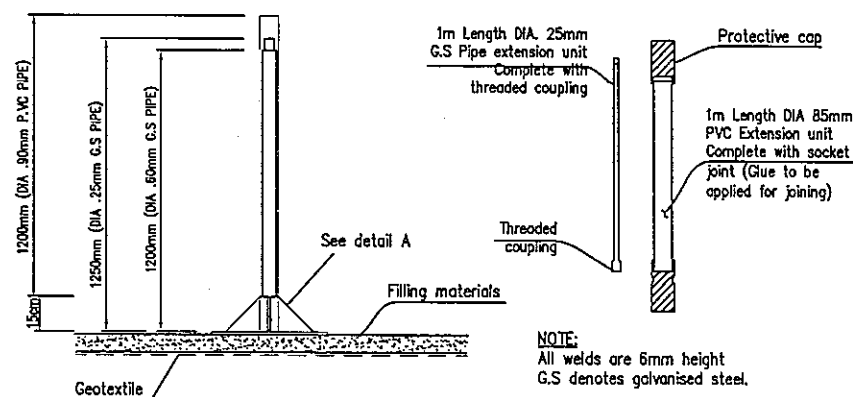
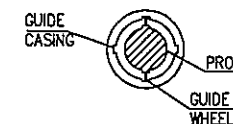
INCLINOMETER DETAIL

NOT TO SCALE



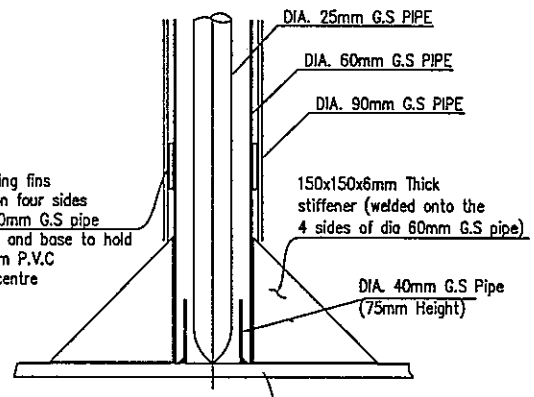
SECTION X-X

NOT TO SCALE



SETTLEMENT PLATE DETAIL

NOT TO SCALE



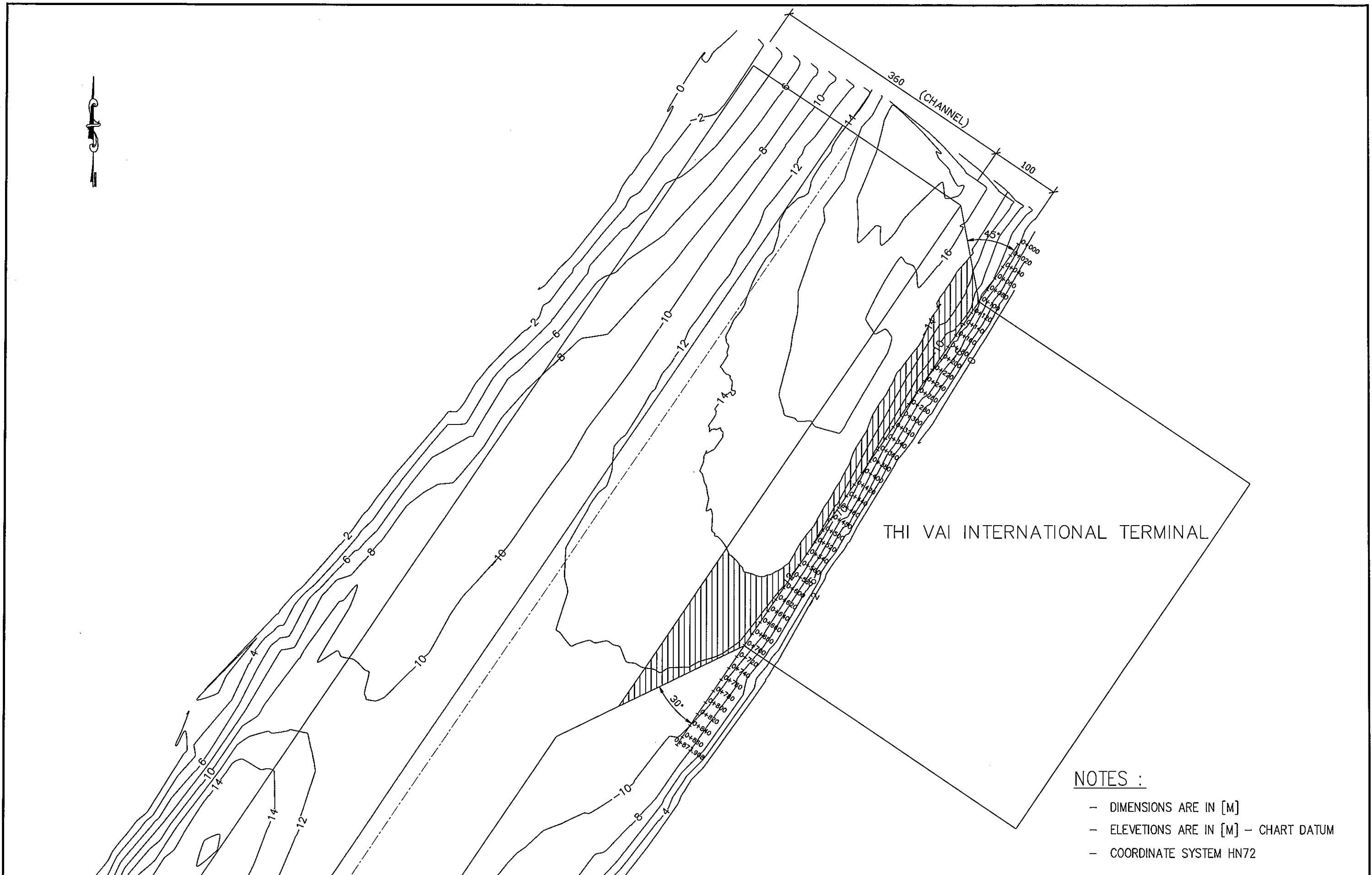
DETAIL A

NOT TO SCALE

NOTES:

- DIMENSIONS ARE IN (M), ELEVATIONS ARE IN (M) - 'HON DAU' DATUM
- MONITORING PLANS OF CAI MEP AND PNB AREA ARE SHOWN IN DRAWING No. PAC1-CH-SIP-008 AND PAC1-CH-SIP-009
- INCLINOMETER & EXTENSOMETER ELEVATIONS INDICATE THE BOTTOM OF THE MONITORING BOREHOLE EXTENDING 4M AND 1M RESPECTIVELY BEYOND THE HARD SOIL LAYER
- SETTLEMENT PLATE SHALL BE PLACED ON TOP OF A LAYER OF FILLING MATERIALS WHICH IS 0.5 M THICKNESS
- EACH PIEZOMETER SHALL BE INSTALLED IN EACH ONE BOREHOLE

<p>THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85</p>				<p>CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT</p>		<p>DESIGNED BY: IWAMA K. DRAWN BY: PHAM MANH DU CHECKED BY: NAGAO H. APPROVED BY: NAGAI K. ISSUE DATE: 15/SEP/2005 SCALE:</p>		<p>SECTION: CIVIL WORKS SUB-SECTION: SOIL IMPROVEMENT WORKS TITLE OF DRAWING: MONITORING INSTRUMENTS DWG NO: PAC2-TV-SIP-009 REV. NO</p>	
<p>JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)</p>				<p>PACKAGE 1 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR CAI MEP AREA</p>					
REV NO	DATE	DESCRIPTION	BY	APP					



NOTES :

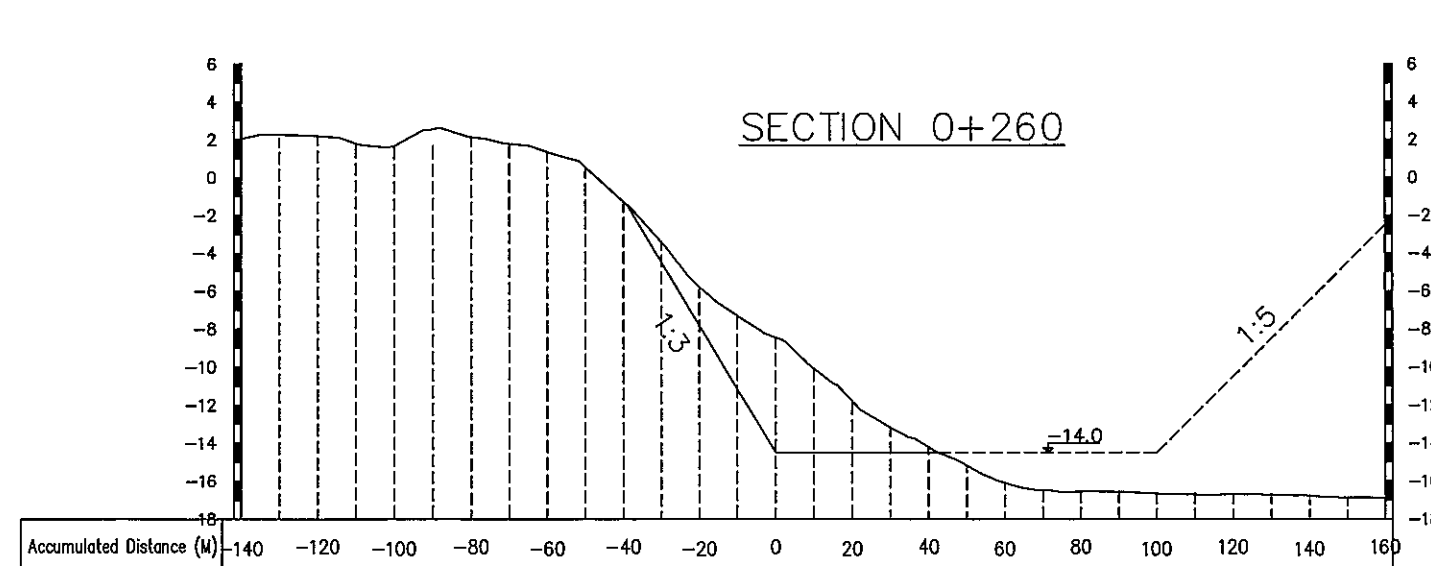
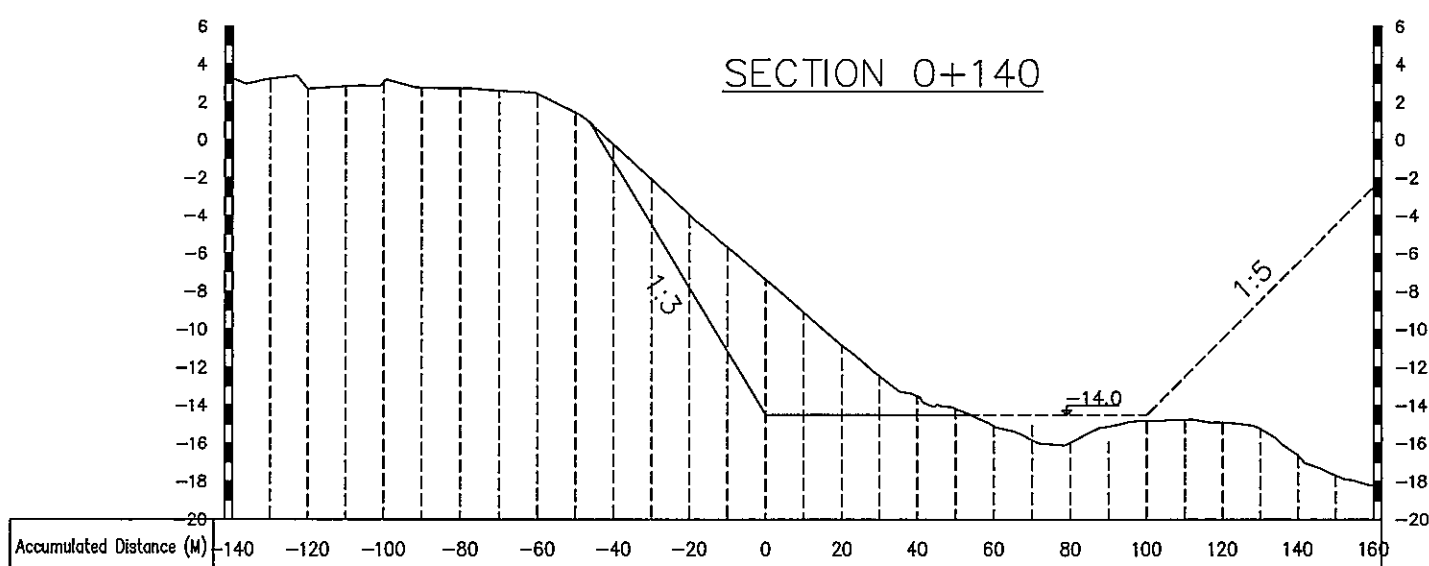
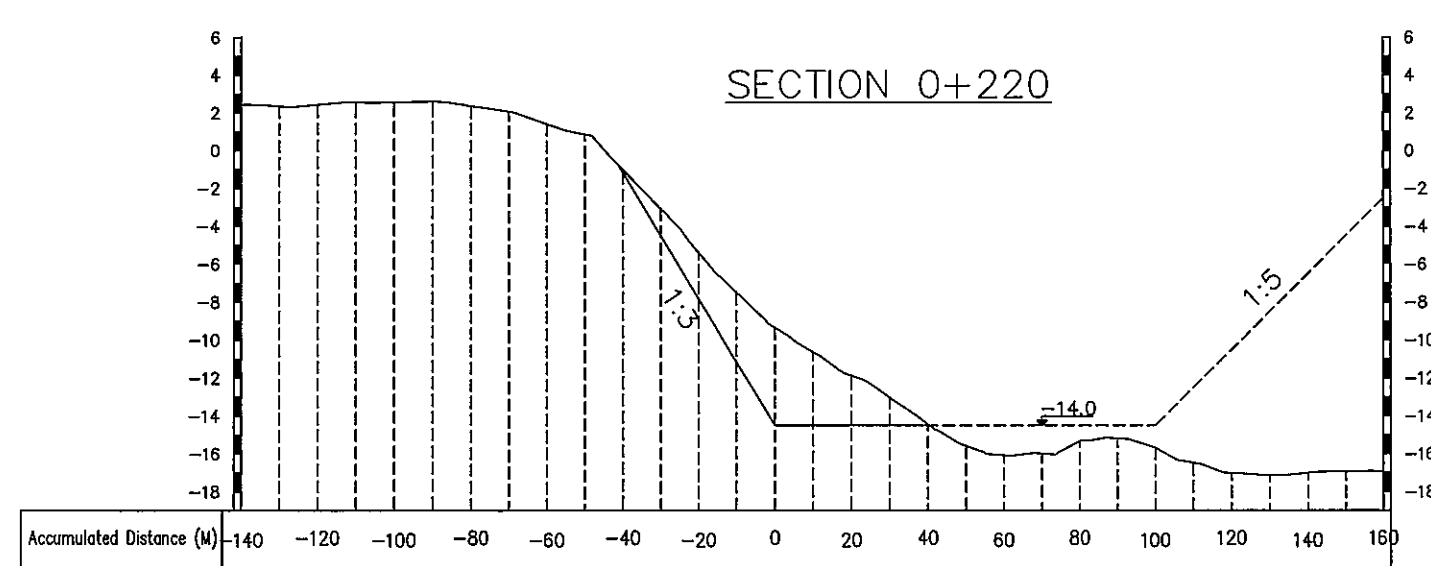
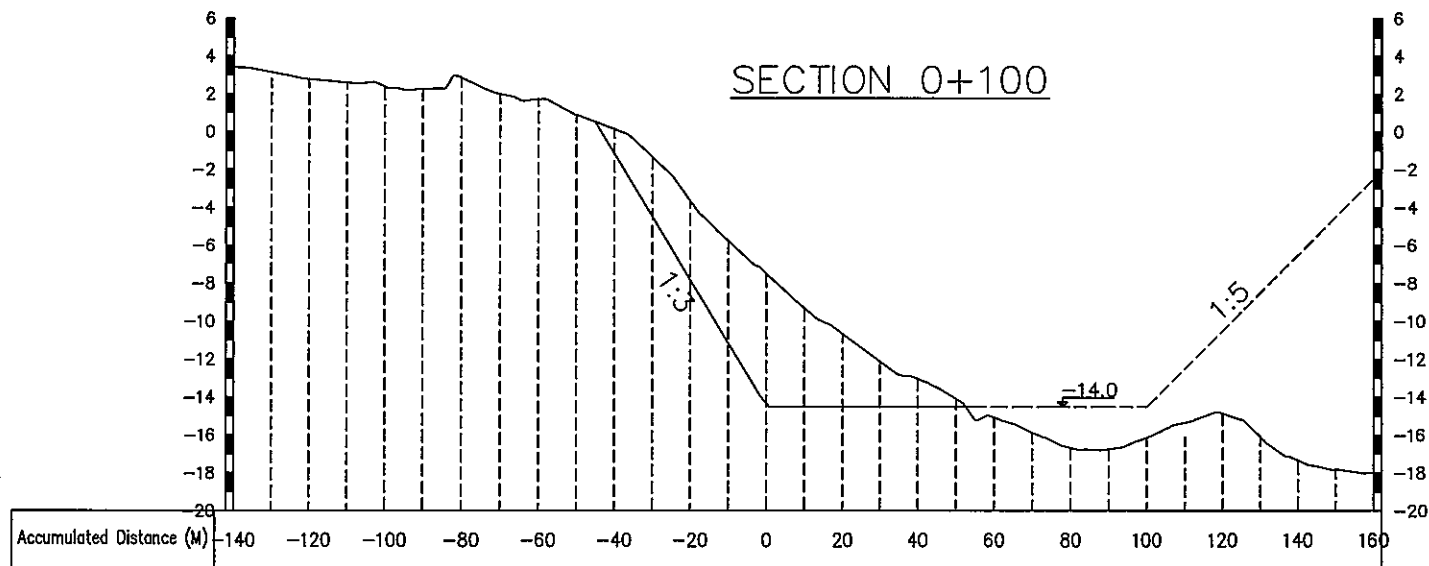
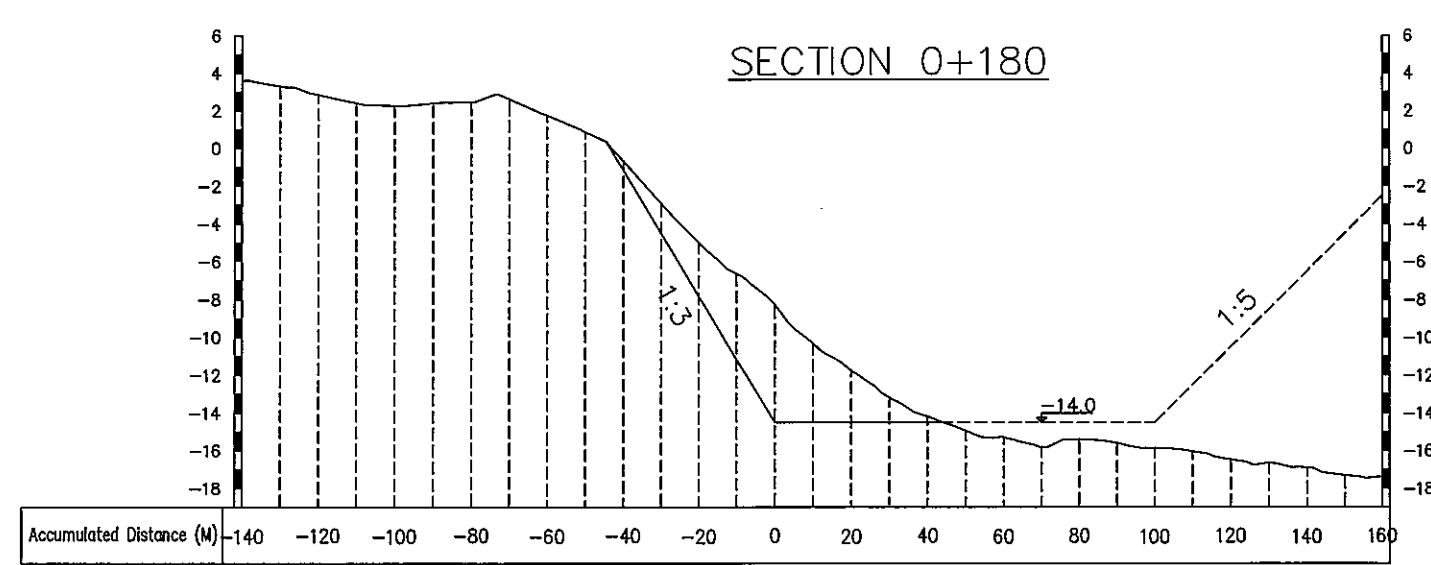
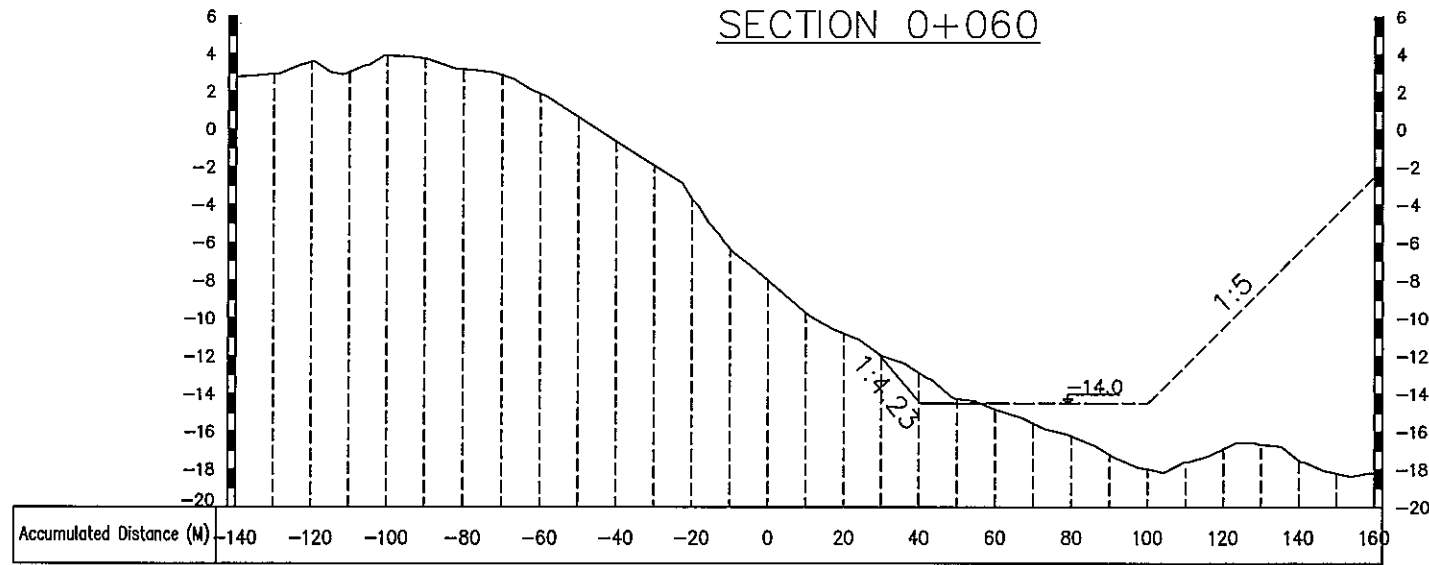
- DIMENSIONS ARE IN [M]
- ELEVATIONS ARE IN [M] - CHART DATUM
- COORDINATE SYSTEM HN72

		THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85		CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT		DESIGNED BY: IWAMA K. DRAWN BY: NGUYEN TU DAT CHECKED BY: NAGAO N. APPROVED BY: NAGAI K. ISSUE DATE: 15/SEP/2005 SCALE: 1/5,000		SECTION: CIVIL WORKS SUB-SECTION: DREDGING WORKS TITLE OF DRAWING: GENERAL PLAN	
		JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)		PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA		DWG NO: PAC2-TV-DRG-001		REV. NO	
REV NO	DATE	DESCRIPTION	BY	APP					

CROSS SECTION OF THIVAI PORT

VERTICAL SCALE 1/400

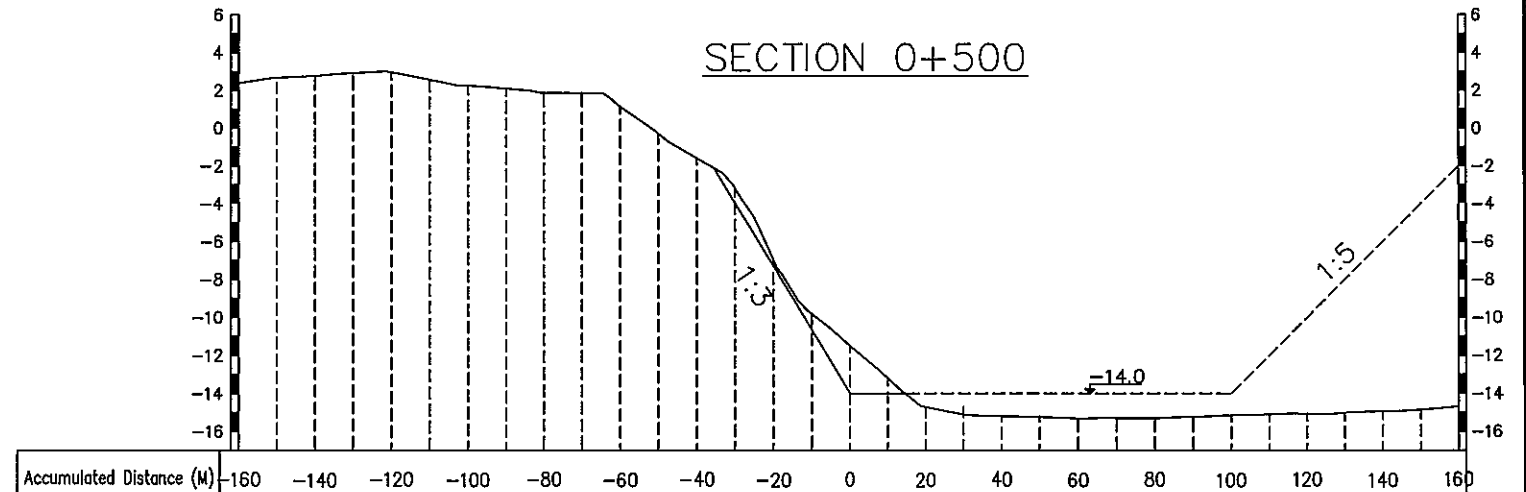
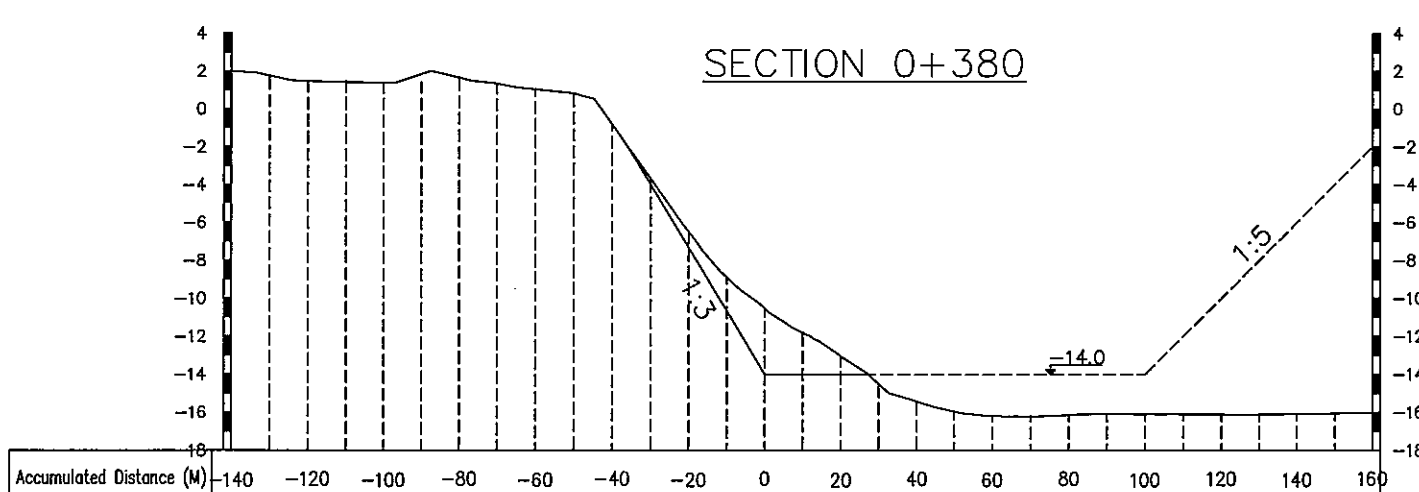
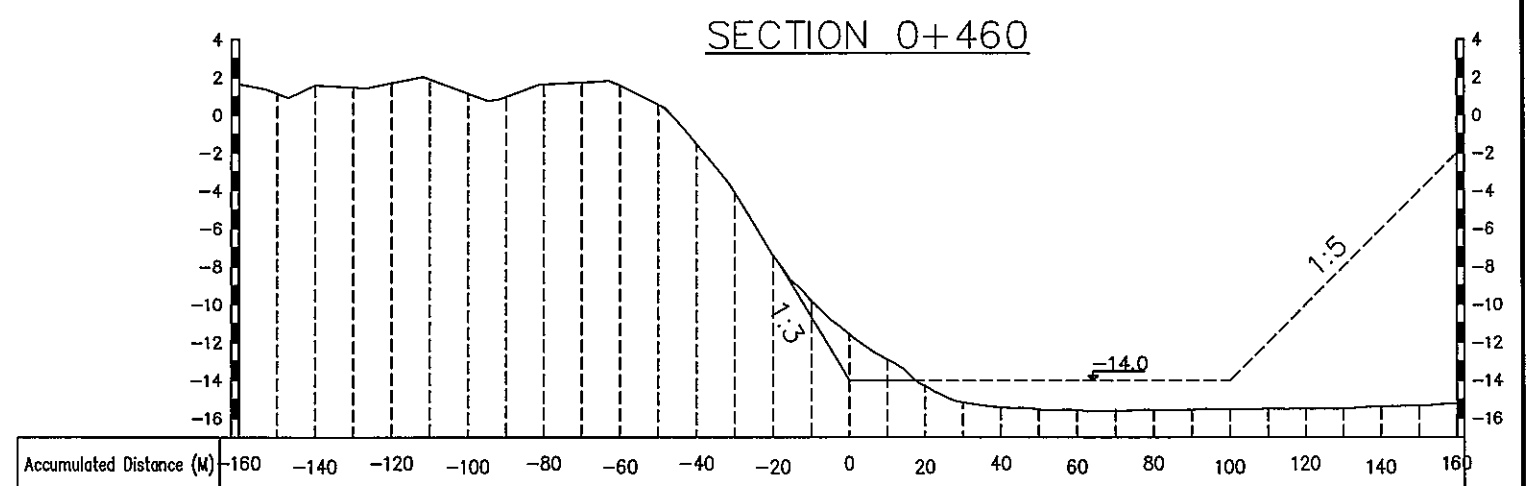
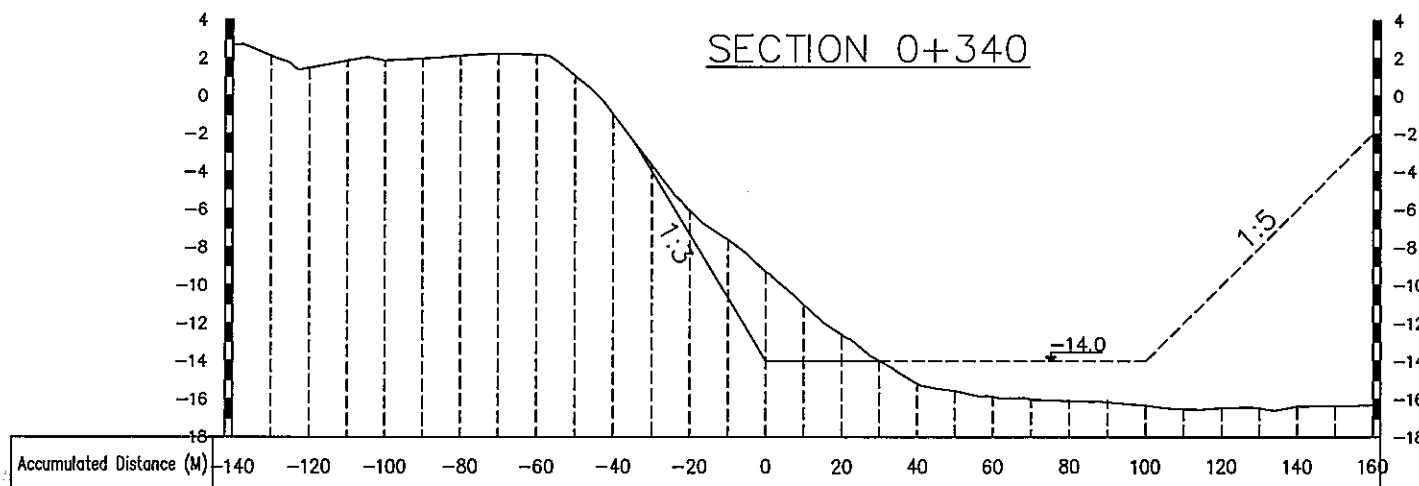
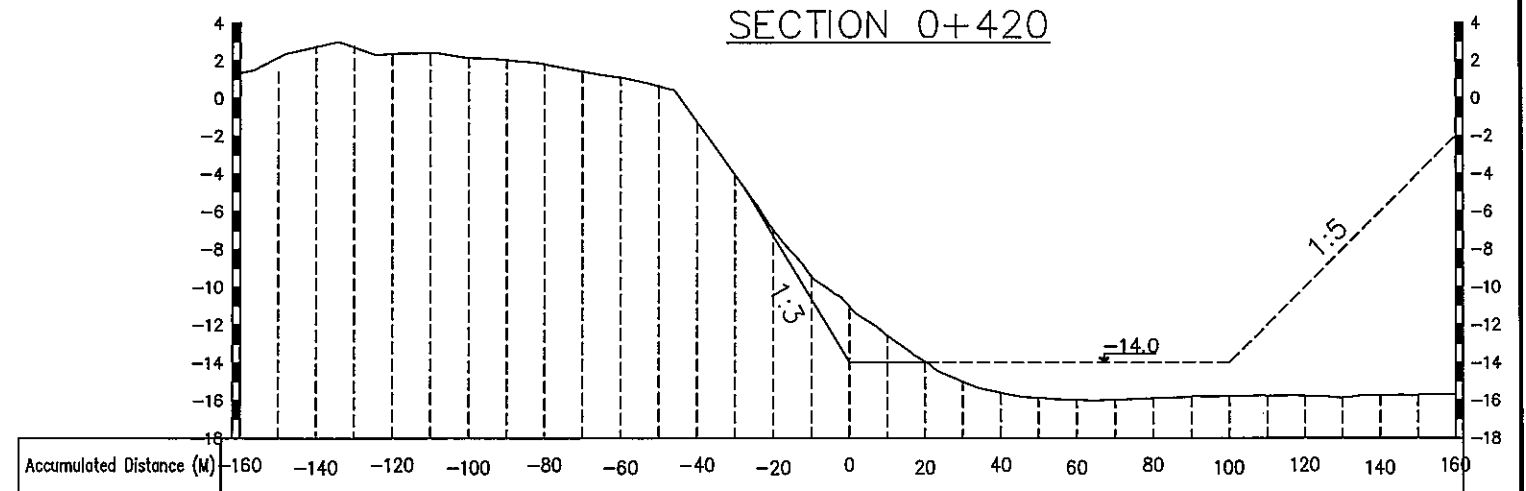
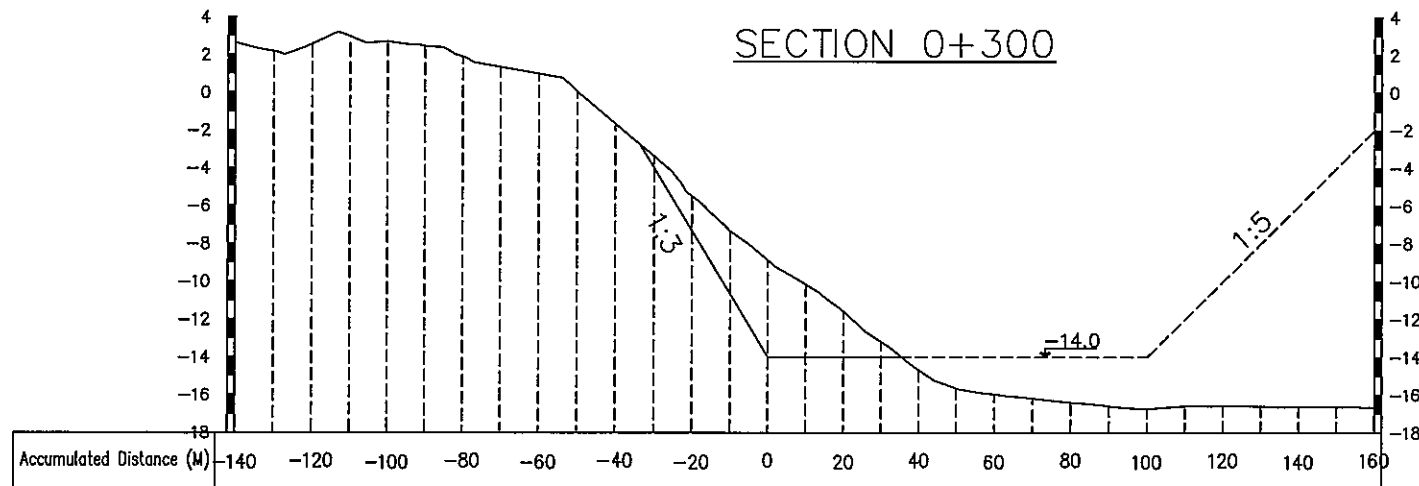
HORIZONTAL SCALE 1/2000



THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85				CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT		DESIGNED BY: IWAMA K. DRAWN BY: NGUYEN TU DAT CHECKED BY: NAGAO N. APPROVED BY: NAGAI K.		SECTION: CIVIL WORKS SUB-SECTION: DREDGING WORKS TITLE OF DRAWING: CROSS SECTION (1/4)	
JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)				PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA		ISSUE DATE: 15/SEP/2005 SCALE: 1/400, 1/2,000		DWG NO.: PAC2-TV-DRG-002 REV. NO.	
REV NO	DATE	DESCRIPTION	BY	APP					

CROSS SECTION OF THIVAI PORT

VERTICAL SCALE 1/400
HORIZONTAL SCALE 1/2000

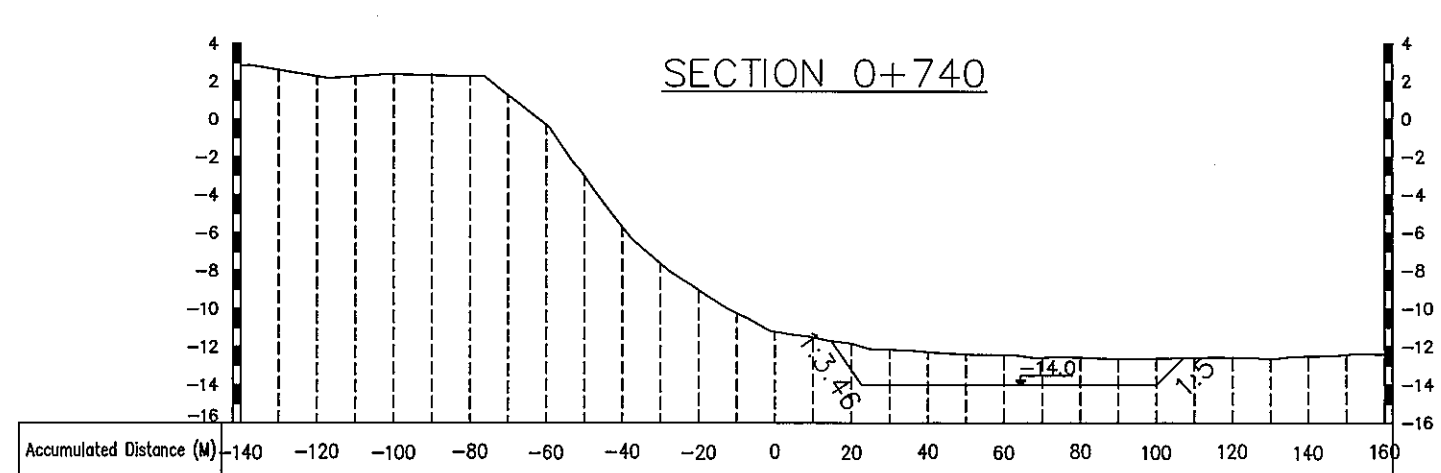
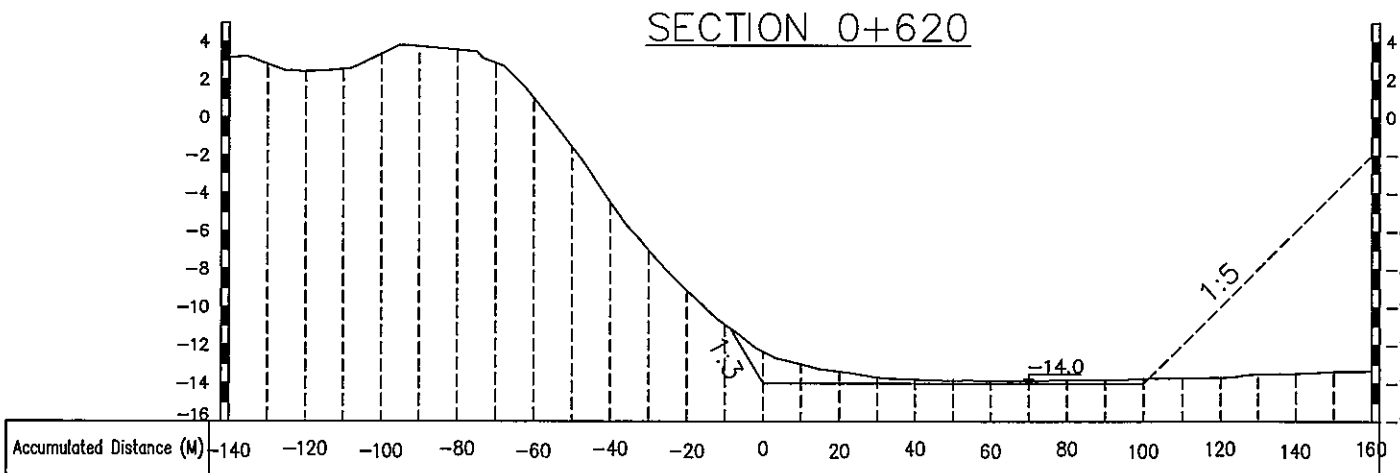
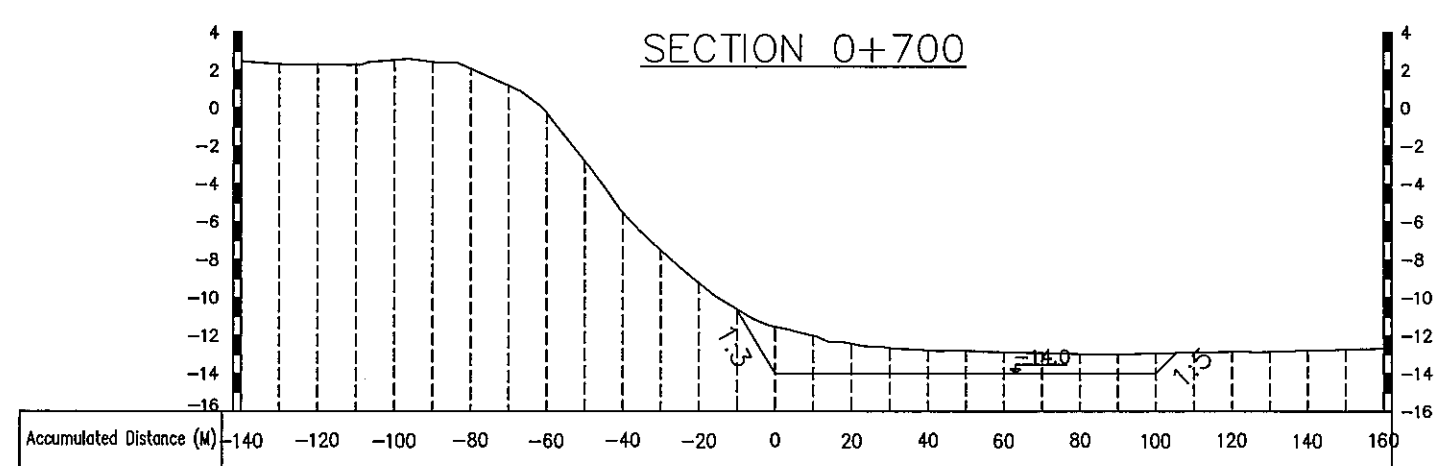
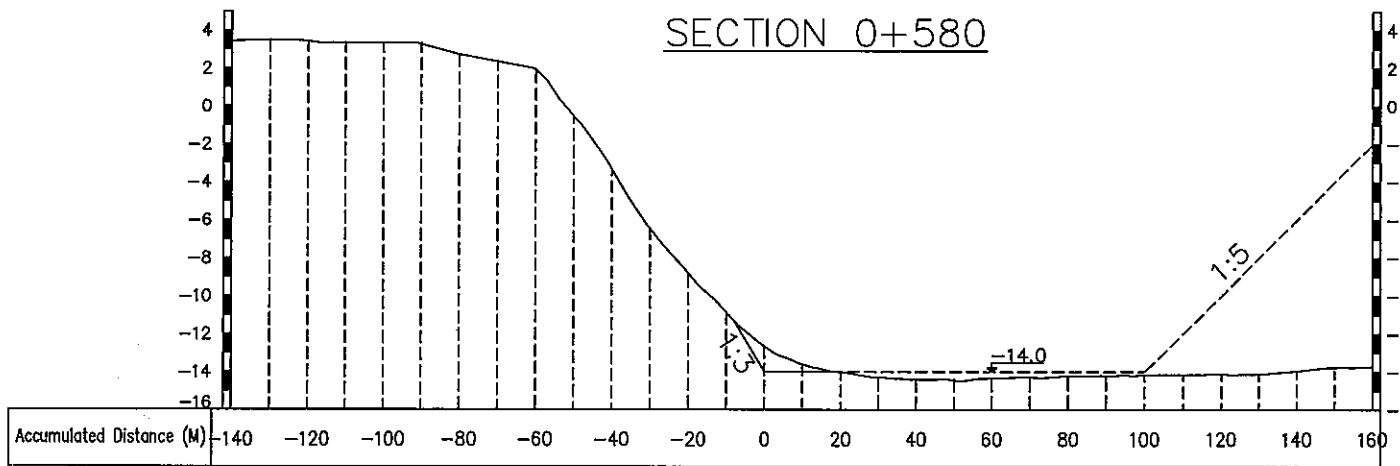
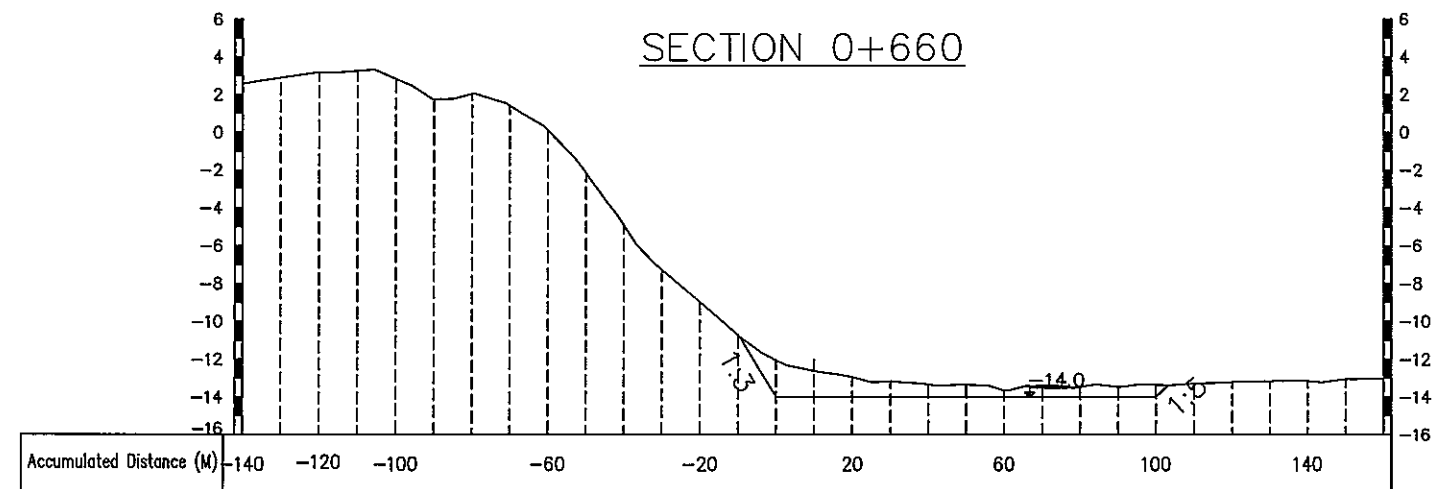
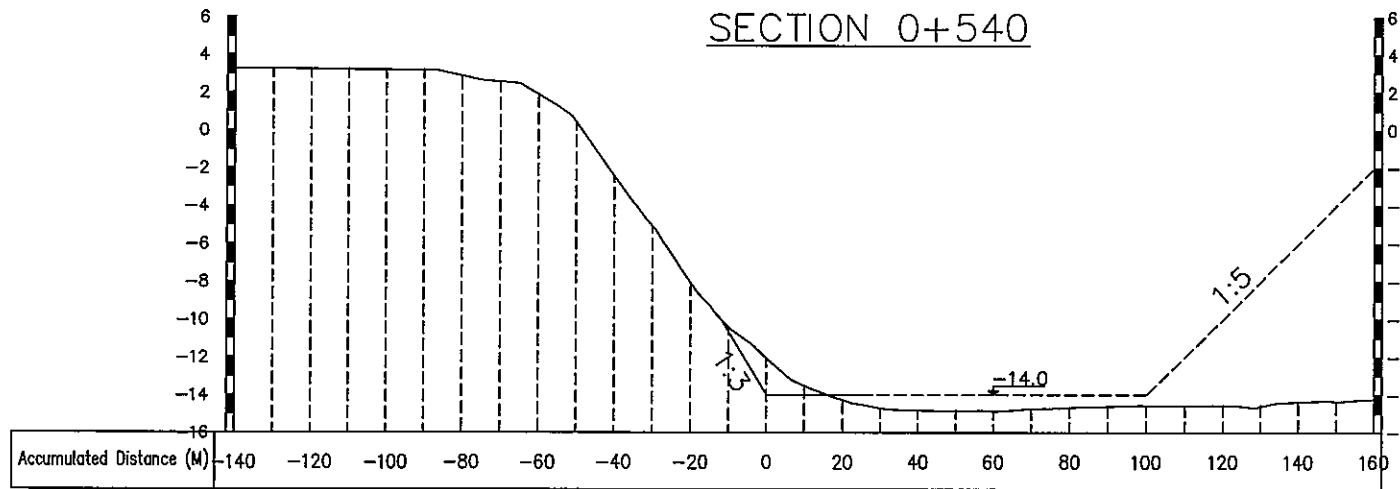


THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85					CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT			DESIGNED BY: IWAMA K. DRAWN BY: NGUYEN TU DAT CHECKED BY: NAGAO N. APPROVED BY: NAGAI K. ISSUE DATE: 10/JAN/2006 SCALE: 1/400, 1/2000		SECTION: CIVIL WORKS SUB-SECTION: DREDGING WORKS TITLE OF DRAWING: CROSS SECTION (2/4) DWG NO.: PAC2-TV-DRG-003		REV. NO.
JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)					PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA							
REV NO.	DATE	DESCRIPTION	BY	APP								

CROSS SECTION OF THIVAI PORT

VERTICAL SCALE 1/400

HORIZONTAL SCALE 1/2000

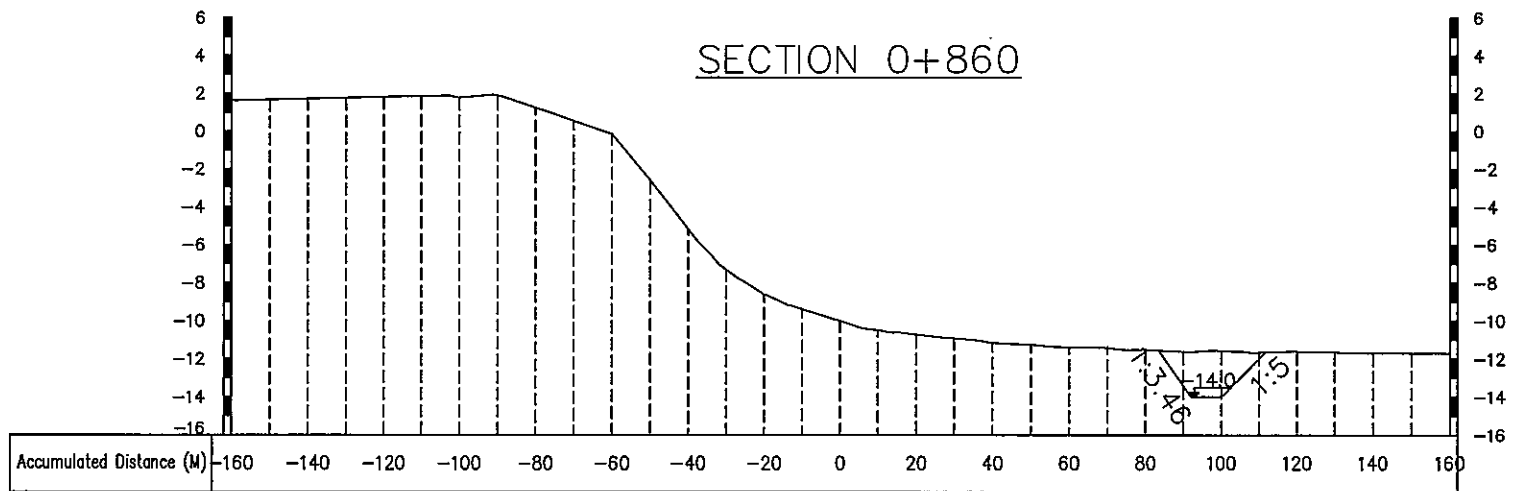
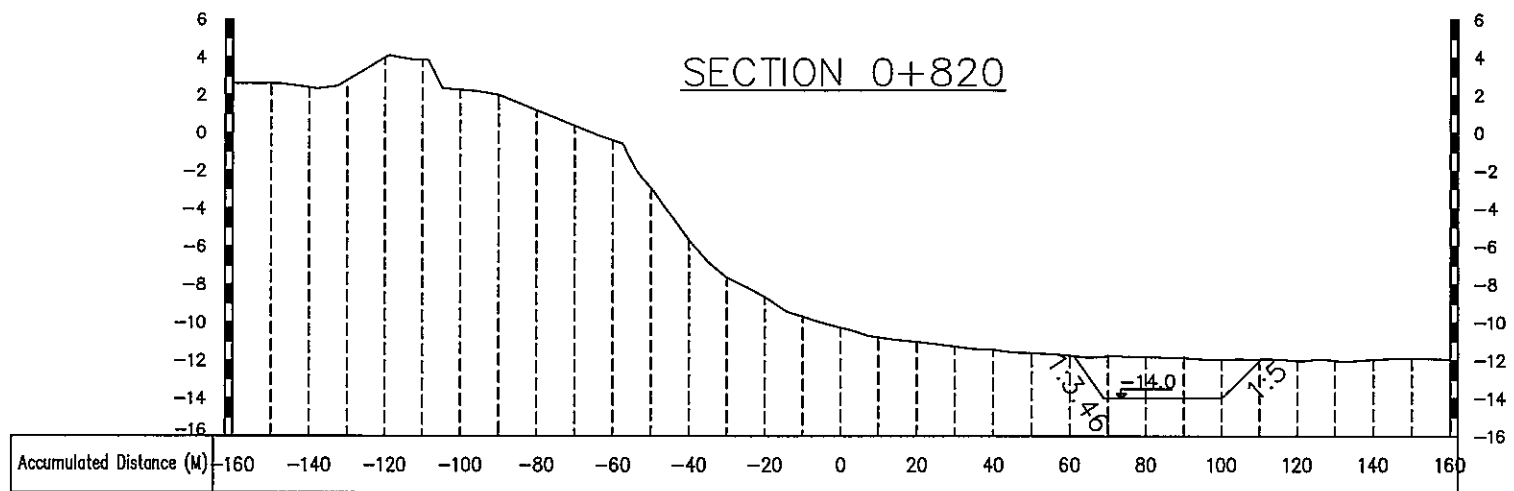
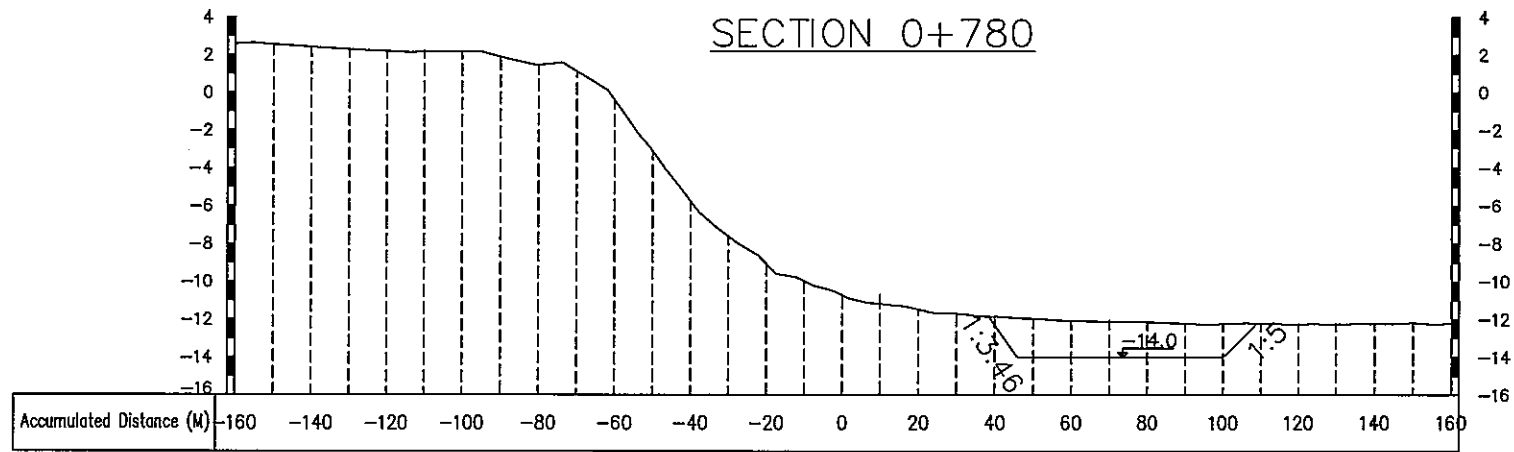


	THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85	CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT	DESIGNED BY: IWAMA K.	SECTION: CIVIL WORKS		
	JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)	PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA	DRAWN BY: NGUYEN TU DAT CHECKED BY: NAGAO N. APPROVED BY: NAGAI K.	SUB-SECTION: DREDGING WORKS TITLE OF DRAWING: CROSS SECTION (3/4)		
REV NO	DATE	DESCRIPTION	BY	APP	DWG NO: PAC2-TV-DRG-004	REV. NO

CROSS SECTION OF THIVAI PORT

VERTICAL SCALE 1/400

HORIZONTAL SCALE 1/2000

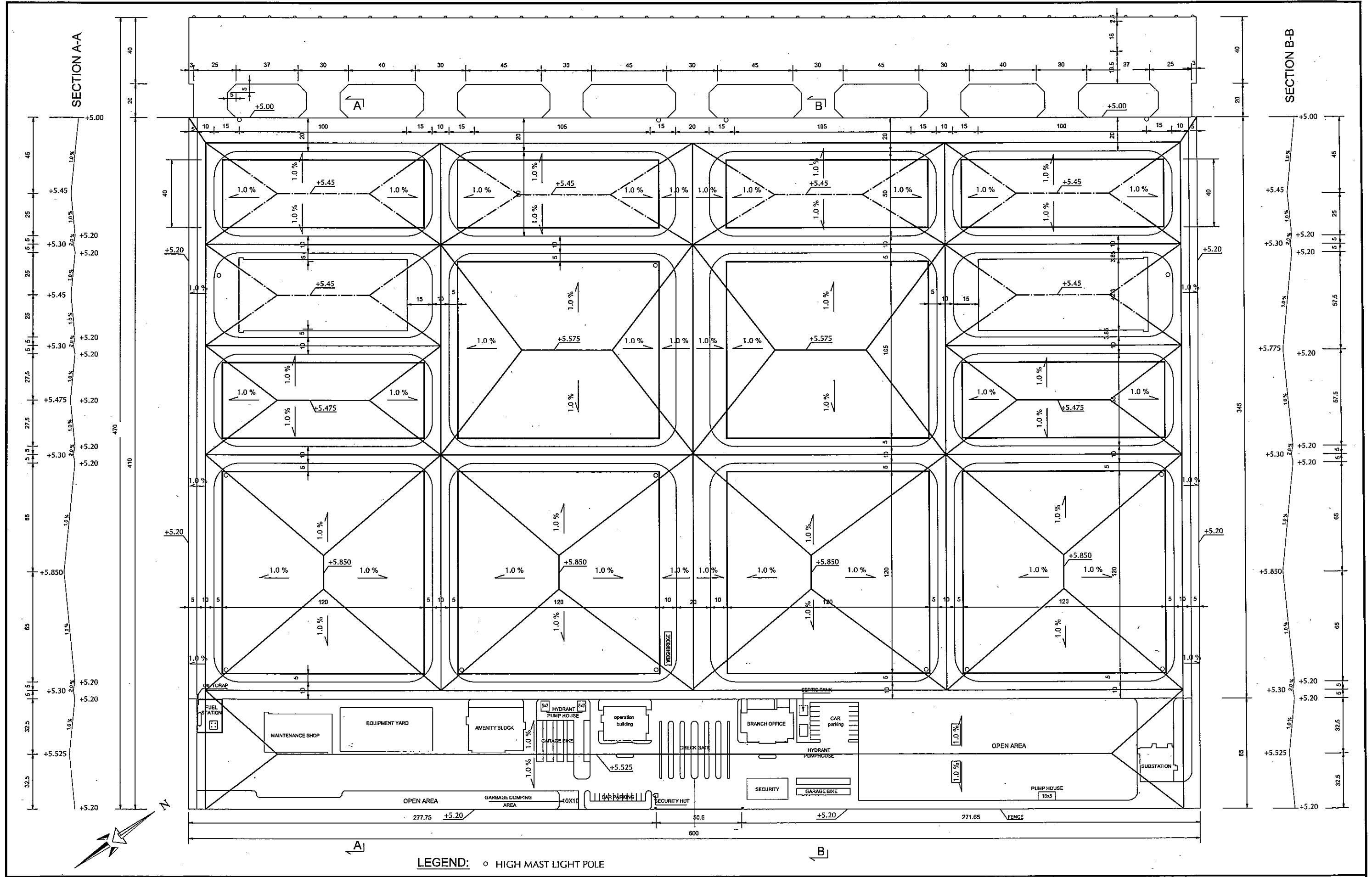


					THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85	CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT	DESIGNED BY: IWAMA K. DRAWN BY: NGUYEN TU DA1 CHECKED BY: NAGAO N. APPROVED BY: NAGAI K.	SECTION: CIVIL WORKS SUB-SECTION: DREDGING WORKS TITLE OF DRAWING: CROSS SECTION (4/4)	
						PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA	ISSUE DATE: 10/JAN/2006 SCALE: 1/400, 1/2,000	DWG NO: PAC2-TV-DRG-005	REV. NO
REV NO	DATE	DESCRIPTION	BY	APP					

CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT
PACKAGE 2 : CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA
VOLUME IV : TENDER DRAWINGS - CIVIL WORKS -
LIST OF THE DRAWINGS

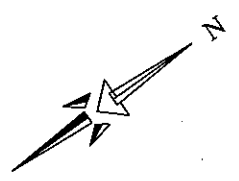
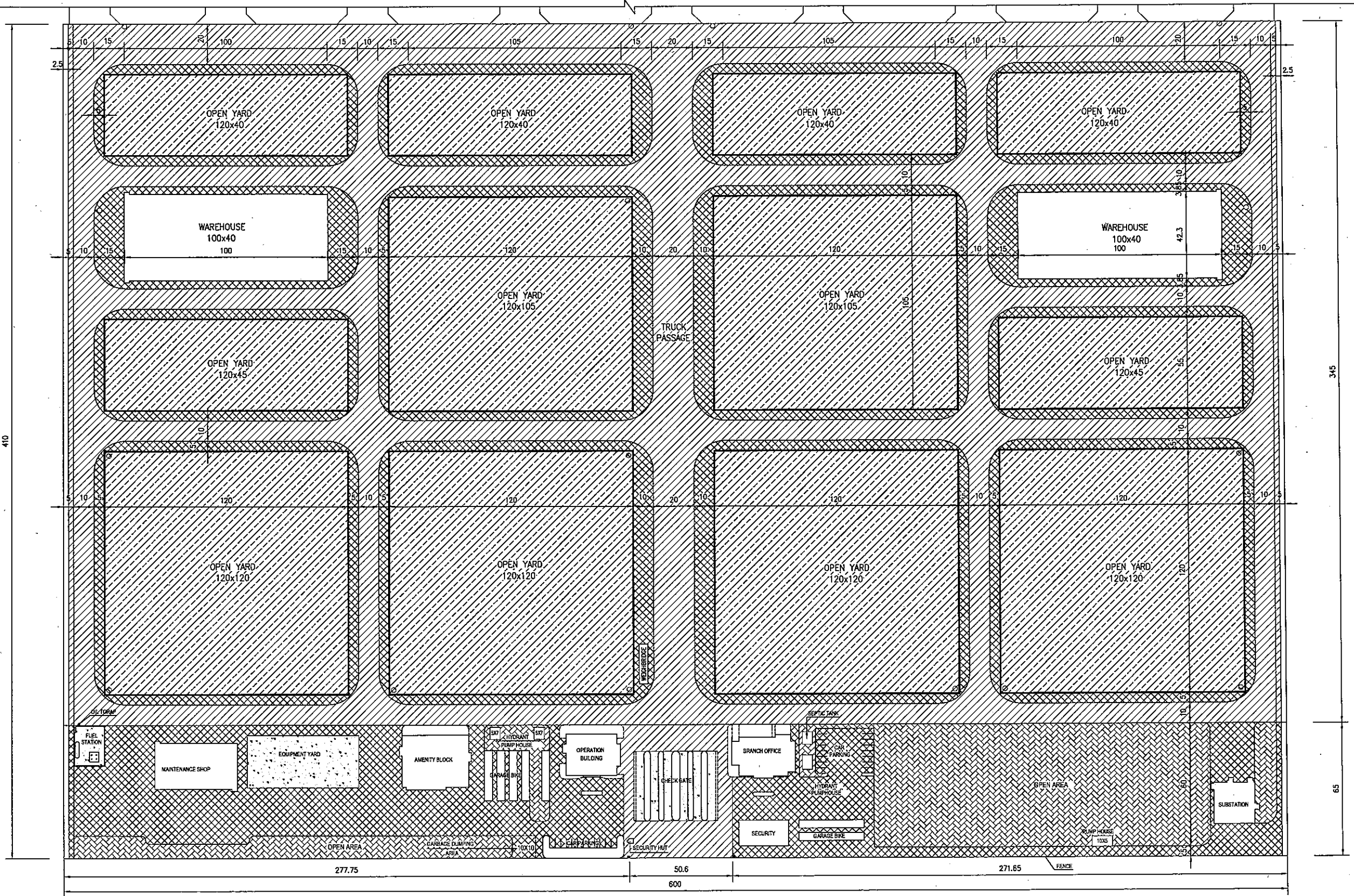
[9] YARD PAVEMENT, [10] STORM WATER DRAINAGE, [11] SECURITY FENCE, GATE AND CURB, [12] LANDSCAPE, [13] MARITIME'S SERVICES AREA

DWG NO.	TITLE OF DRAWING	DWG NO.	TITLE OF DRAWING	DWG NO.	TITLE OF DRAWING
YARD PAVEMENT					
PAC2- TV- YPA- 001	General Plan of Elevation and Gradient				
PAC2- TV- YPA- 002	General Plan of Yard Pavement				
PAC2- TV- YPA- 003	Typical Cross Section of Yard Pavement				
PAC2- TV- YPA- 004	Details of Equipment Yard and Fuel Station				
PAC2- TV- YPA- 005	Traffic Plan and Marking				
STORM WATER DRAINAGE					
PAC2- TV- SWD- 001	General Plan of Open Culvert and Pipe Culvert				
PAC2- TV- SWD- 002	General Plan of U-Trench				
PAC2- TV- SWD- 003	Typical Section of Open Culvert and Details				
PAC2- TV- SWD- 004	Longitudinal Profile of Open Culvert (1)				
PAC2- TV- SWD- 005	Longitudinal Profile of Open Culvert (2)				
PAC2- TV- SWD- 006	Typical Reinforcement of Open Culvert				
PAC2- TV- SWD- 007	Typical Section of Pipe Culvert, U-Trench and Details				
SECURITY FENCE, GATE AND CURB					
PAC2- TV- FGC- 001	General Layout for Security Fence, Gate and Curb				
PAC2- TV- FGC- 002	Details of Fence				
PAC2- TV- FGC- 003	Details of Fence and Curb				
PAC2- TV- FGC- 004	Layout and Details of Sliding Gate				
LANDSCAPE					
PAC2- TV- LAS- 001	General Plan				
MARITIME'S SERVICES AREA					
PAC2- TV- MSA- 001	General Plan and Section for Pavement				
PAC2- TV- MSA- 002	Plan and Typical Section of Pipe Culvert, U-Trench				
PAC2- TV- MSA- 003	Layout for Security Fence, Gate and Curb				
PAC2- TV- MSA- 004	Details of Fence (1)				
PAC2- TV- MSA- 005	Details of Fence (2)				
PAC2- TV- MSA- 006	General Plan for Landscape				



LEGEND: ○ HIGH MAST LIGHT POLE

<p>THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85</p>				<p>CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT</p>				<p>DESIGNED BY: SAKURAI H. DRAWN BY: MAI THUONG THIN CHECKED BY: NAGAO N. APPROVED BY: NAGAI K. ISSUE DATE: 10/JAN/2006 SCALE: SCALE</p>		<p>SECTION: CIVIL WORKS SUB-SECTION: YARD PAVEMENT TITLE OF DRAWING: GENERAL PLAN OF ELEVATION AND GRADIENT DWG NO: PAC2-TV-YPA-001</p>	
<p>JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANTS (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)</p>				<p>PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA</p>				<p>REV NO: DATE: DESCRIPTION: BY: APP: SCALE: SCALE</p>		<p>REV. NO</p>	



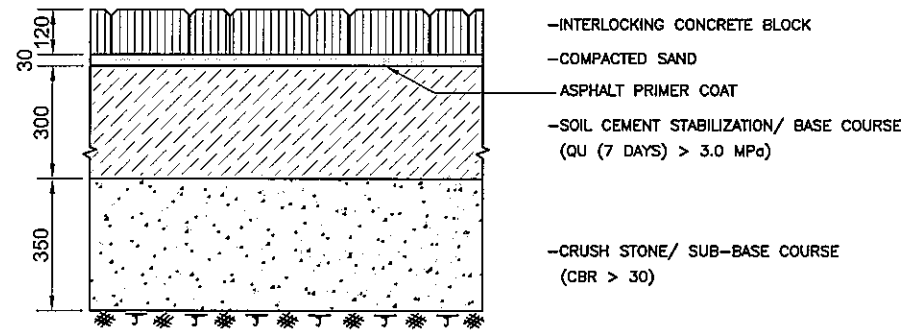
LEGEND:

- INTERLOCKING CONCRETE BLOCK (ICB) A : (TYPE TV-1)
- INTERLOCKING CONCRETE BLOCK (ICB) B : (TYPE TV-2)
- ASPHALT CONCRETE A (TYPE TV-3)
- ASPHALT CONCRETE B (TYPE TV-4)
- RC CONCRETE (TYPE TV-5)

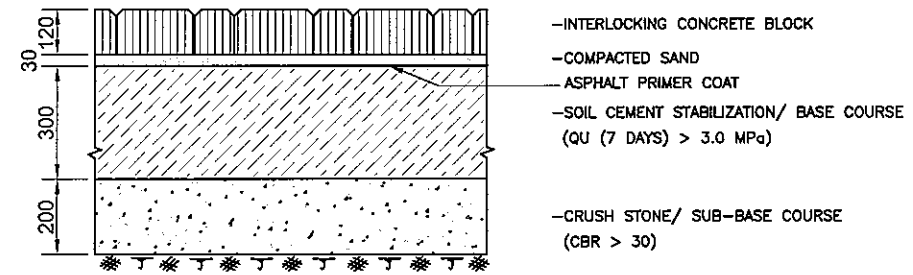
THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85					CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT			DESIGNED BY: SAKURAI H. DRAWN BY: MAI THUONG THIN CHECKED BY: NAGAO N. APPROVED BY: NAGAI K. ISSUE DATE: 10/JAN/2006 SCALE: 1:2000	SECTION: CIVIL WORKS SUB-SECTION: YARD PAVEMENT TITLE OF DRAWING: GENERAL PLAN OF YARD PAVEMENT DWG NO: PAC2-TV-YPA-002 REV. NO
					PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA				
REV NO	DATE	DESCRIPTION	BY	APP					

TYPICAL CROSS SECTION OF YARD PAVEMENT

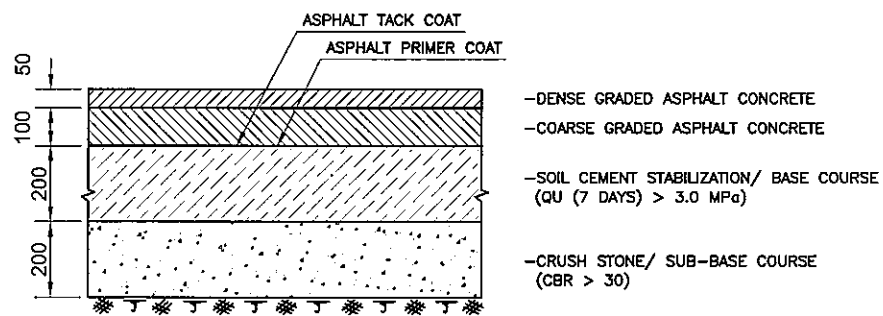
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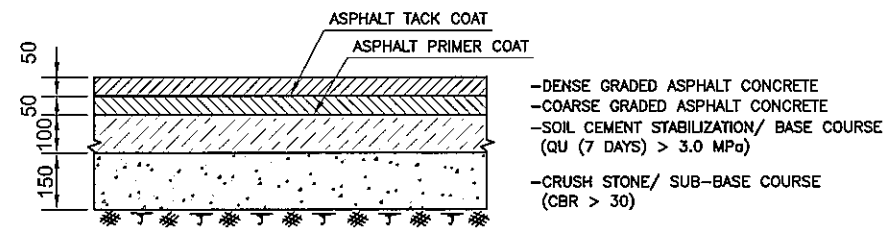
TYPE TV-1 INTERLOCKING CONCRETE BLOCK (A)



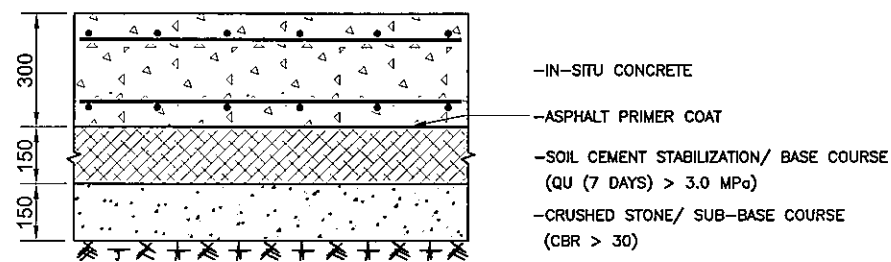
TYPE TV-2 INTERLOCKING CONCRETE BLOCK (B)



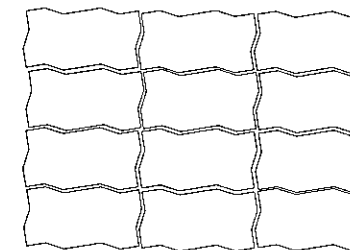
TYPE TV-3 ASPHALT CONCRETE (A)



TYPE TV-4 ASPHALT CONCRETE (B)

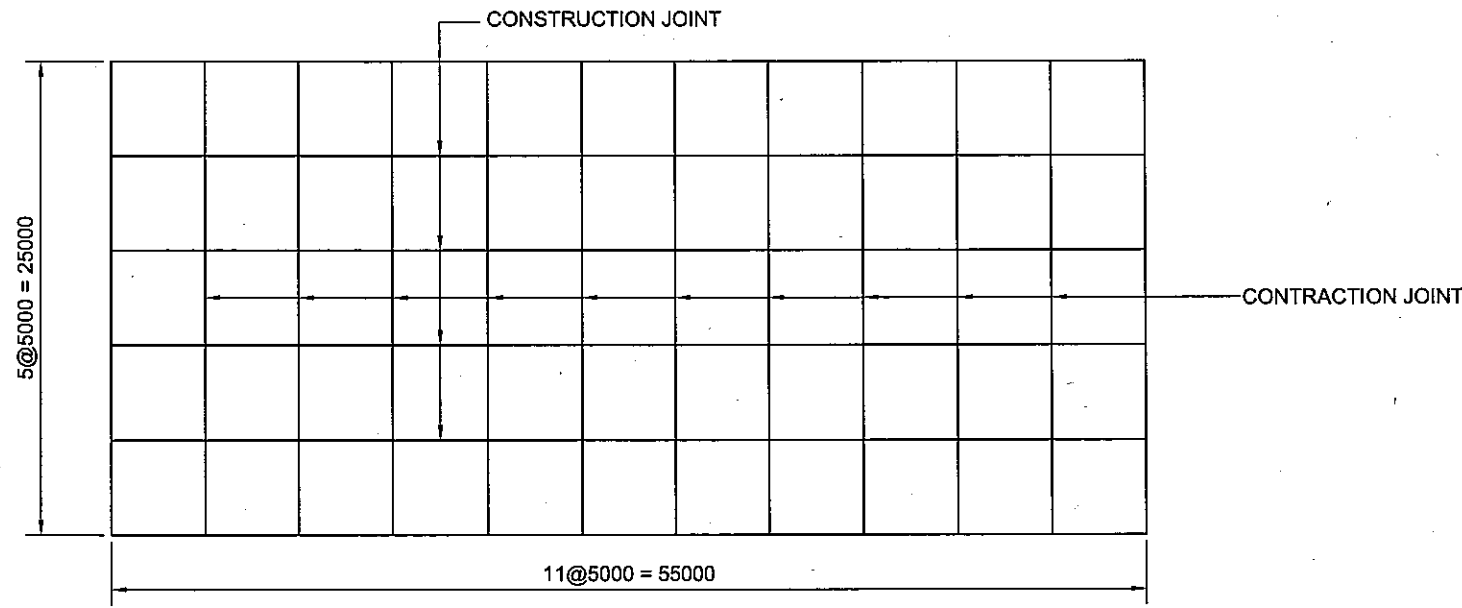


TYPE TV-5 RC CONCRETE

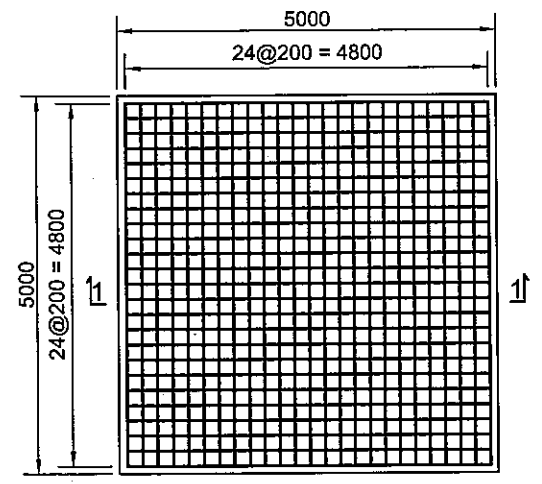


ICB PATTERN
(FOR REFERENCE)

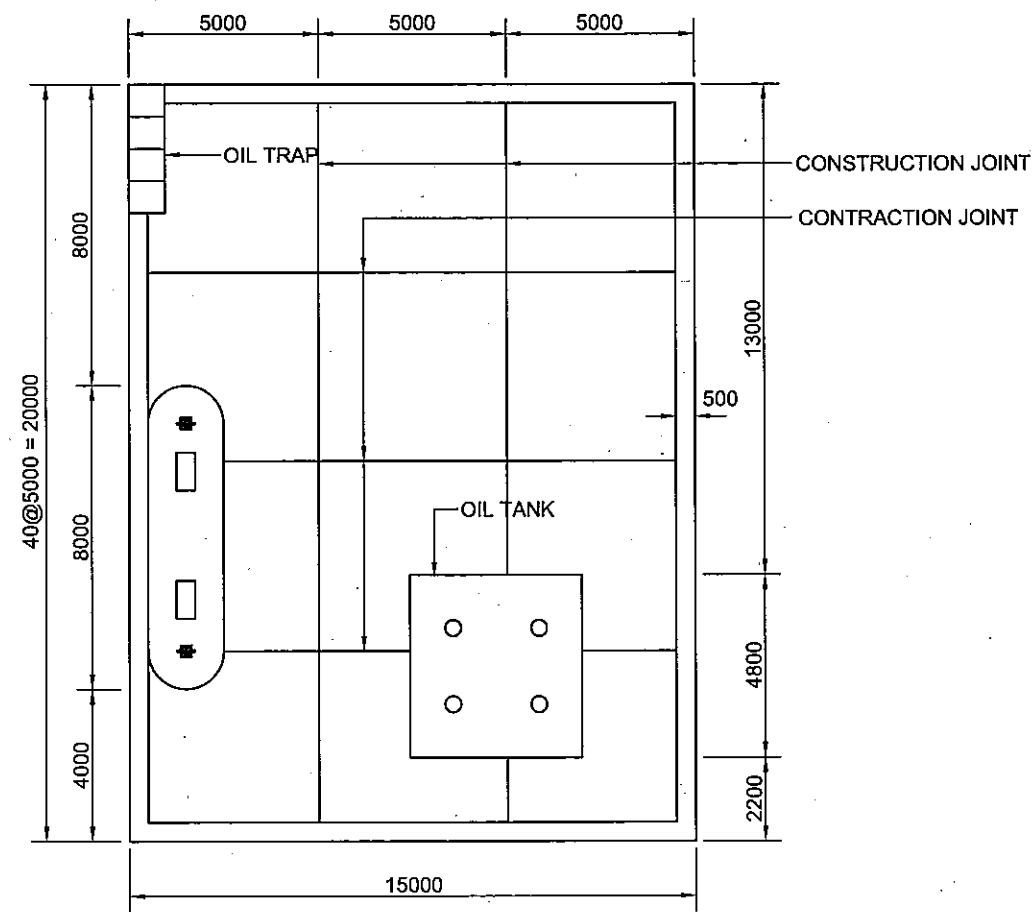
THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85					CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT			CIVIL WORKS YARD PAVEMENT				
JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)					PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA			TYPICAL CROSS SECTION OF YARD PAVEMENT				
REV NO	DATE	DESCRIPTION	BY	APP	DESIGNED BY: SAKURAI H.	DRAWN BY: MAI THUONG THIN	CHECKED BY: NAGAO N.	APPROVED BY: NAGAI K.	ISSUE DATE: 30/SEP/2005	SCALE: 1/20	SECTION: SUB-SECTION: TITLE OF DRAWING: DWG NO:	REV. NO
											PAC2-TV-YPA-003	



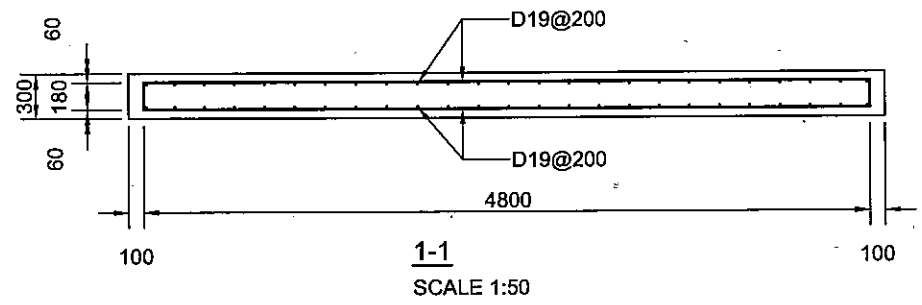
PLAN OF EQUIPMENT YARD
SCALE 1:400



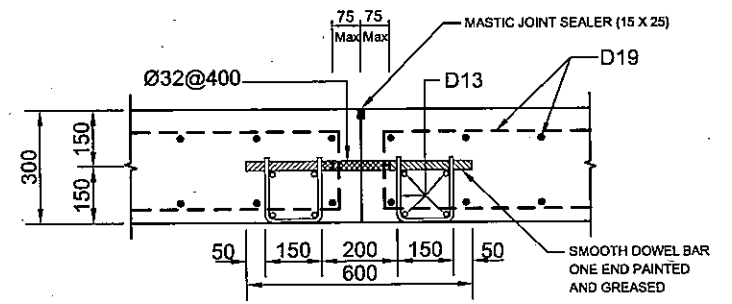
DETAILS 1 UNIT (TYPICAL)
SCALE 1:100



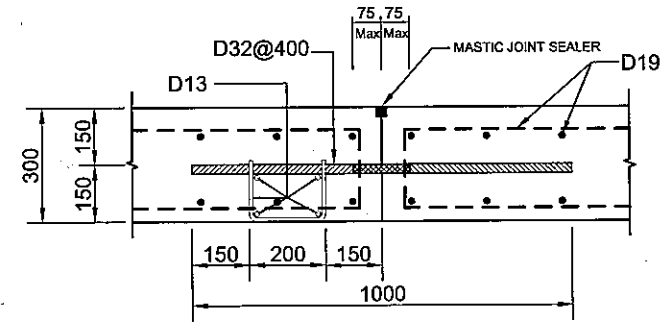
PLAN OF FUEL STATION
SCALE 1:200



1-1
SCALE 1:50

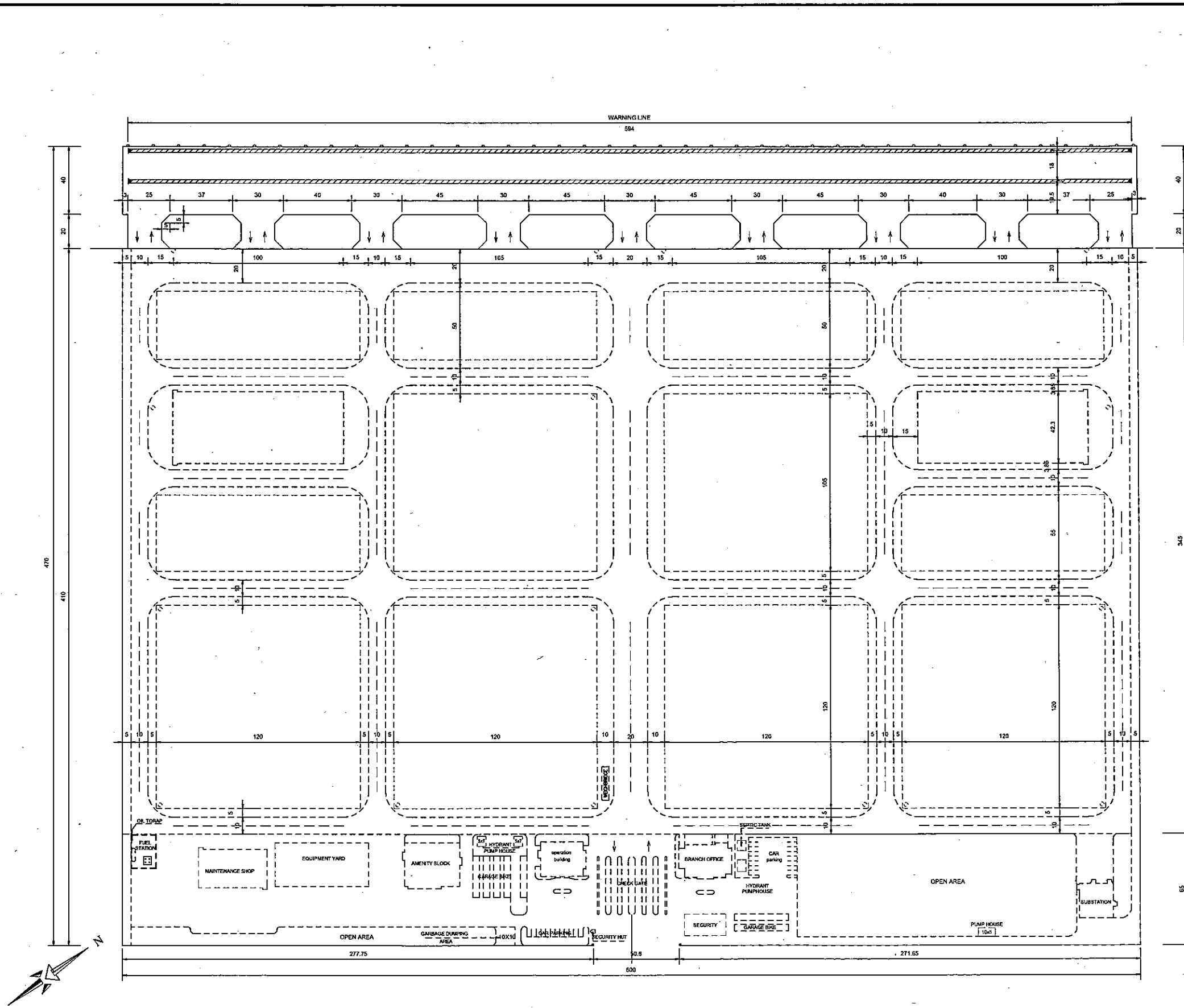


CONTRACTION JOINT
SCALE 1:20

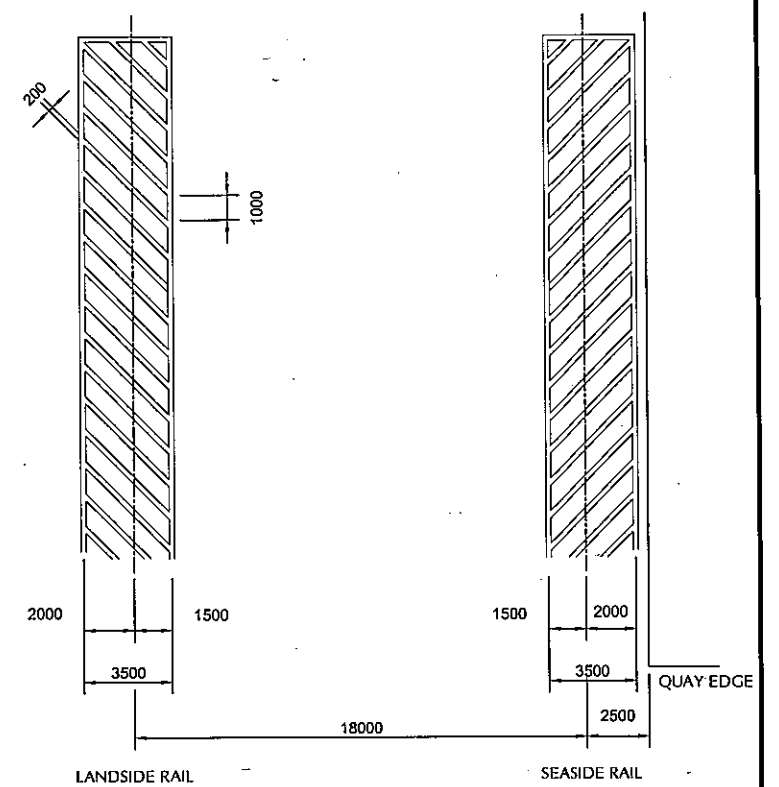


CONTRACTION JOINT
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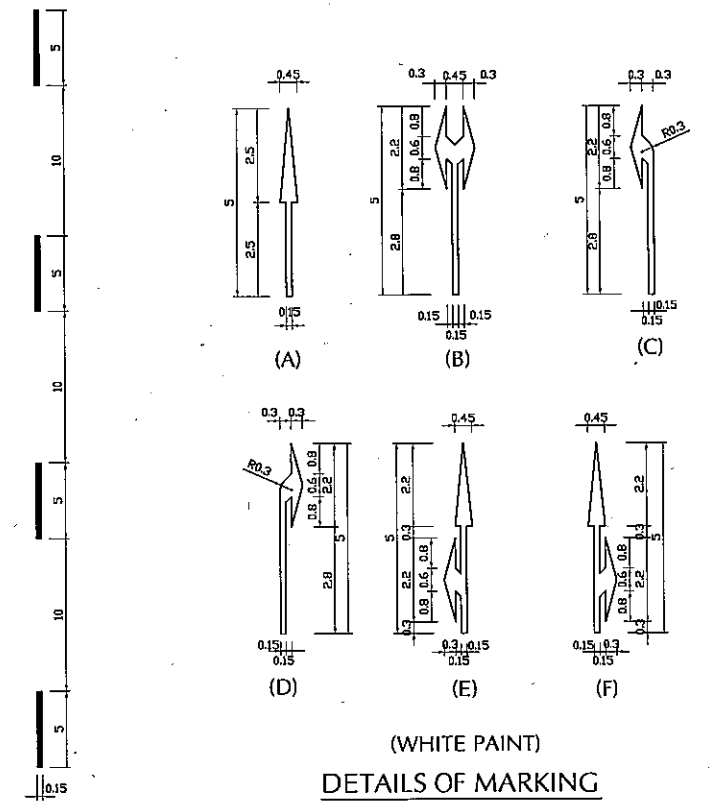
<p align="center">THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85</p>					<p align="center">CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT</p>		<p>DESIGNED BY: SAKURAI H. DRAWN BY: MAI THUONG THIN CHECKED BY: NAGAO N. APPROVED BY: NAGAI K.ISSUE DATE: 30/SEP/2005 SCALE: SCALE</p>		<p>SECTION: CIVIL WORKS SUB-SECTION: YARD PAVEMENT TITLE OF DRAWING: DETAILS OF EQUIPMENT YARD AND FUEL STATION DWG. NO: PAC1-TV-YPA-004 REV. NO</p>	
<p align="center">JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)</p>					<p align="center">PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA</p>					
REV. NO	DATE	DESCRIPTION	BY	APP						



TRAFFIC PLAN
(FOR REFERENCE)

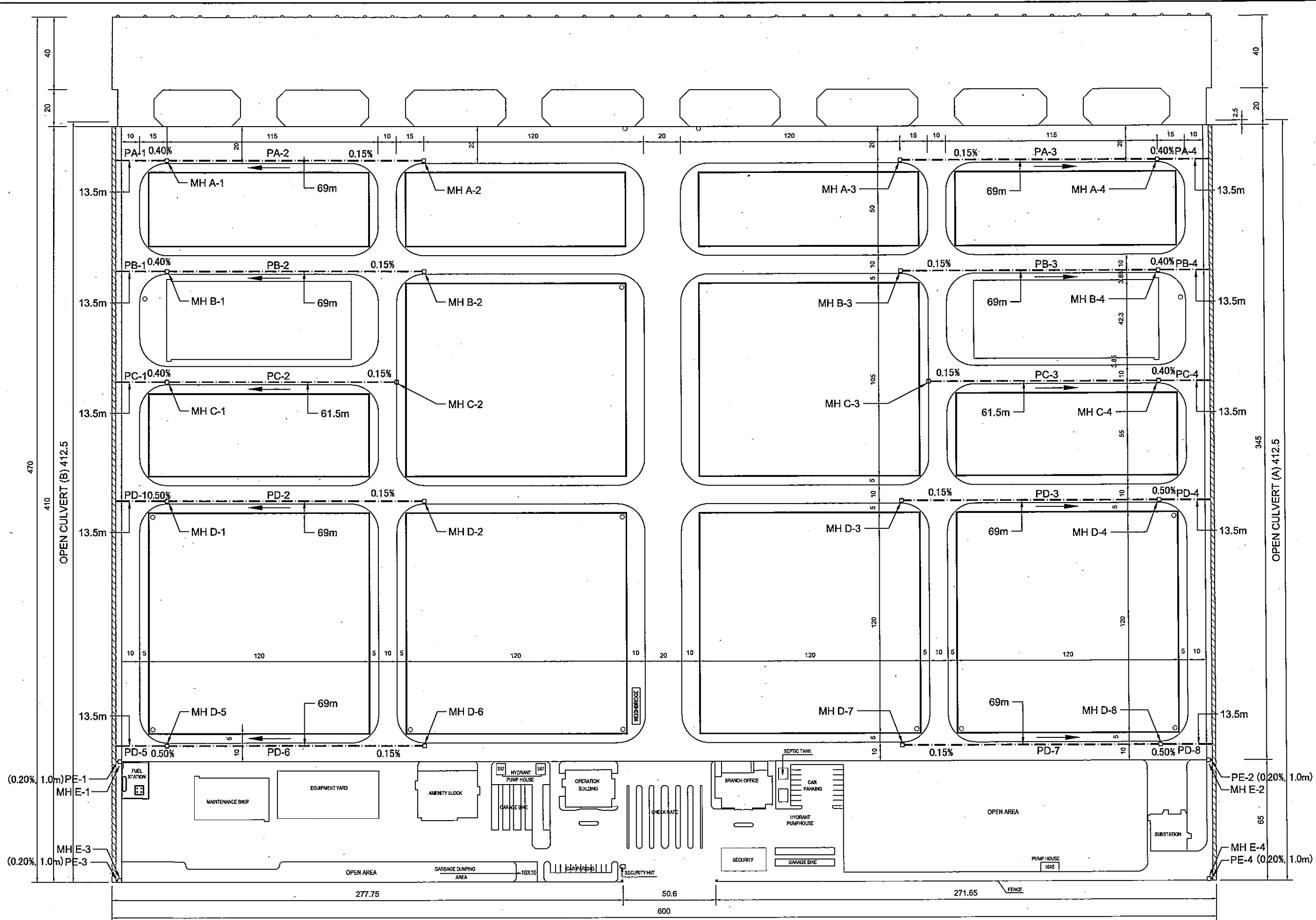


(YELLOW PAINT)
WARNING LINES AROUND QUAYSIDE RAILS
SCALE 1:300



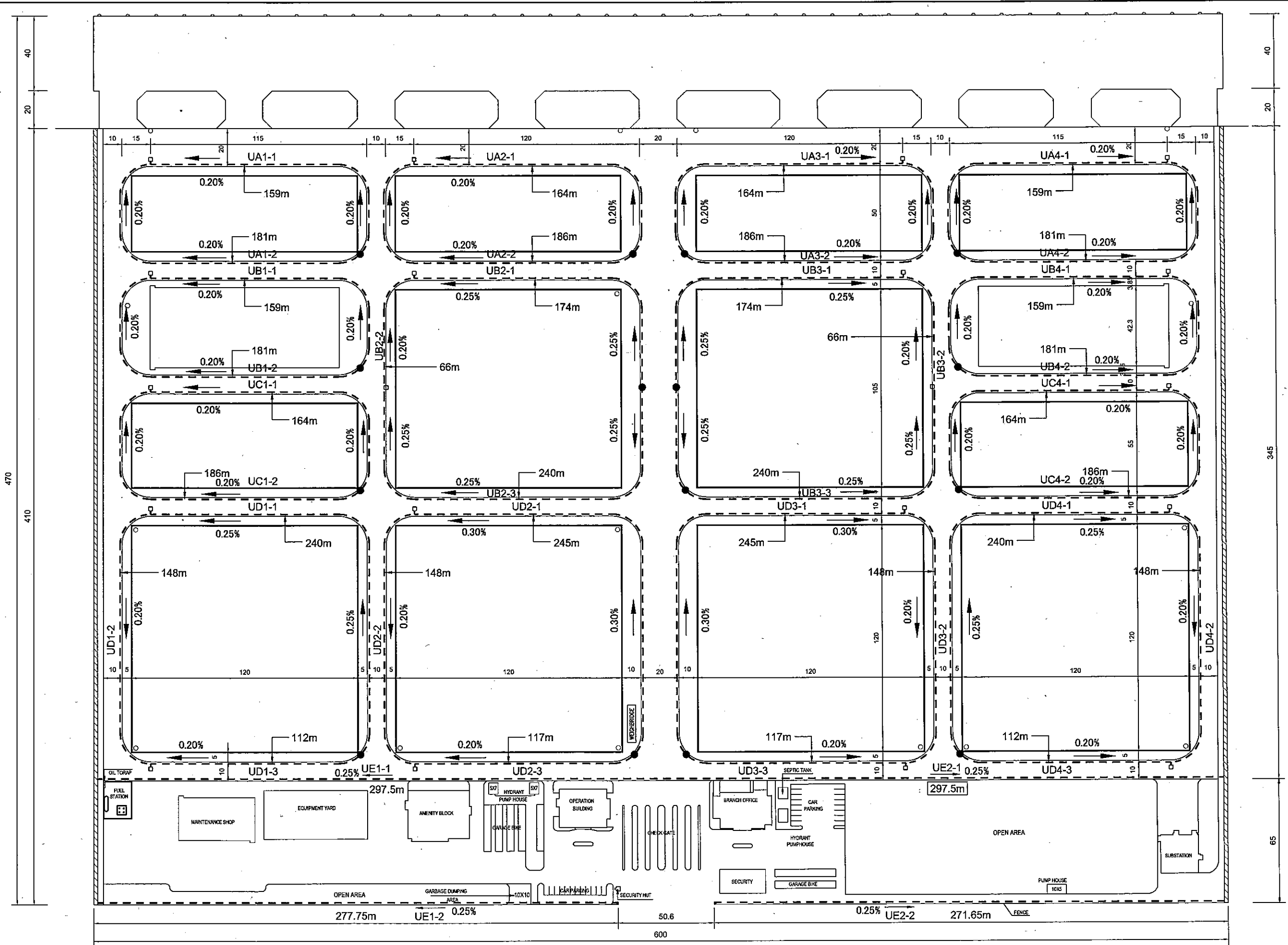
(WHITE PAINT)
DETAILS OF MARKING
SCALE 1:200

<p align="center">THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85</p>					<p align="center">CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT</p>		<p>DESIGNED BY: SAKURAI H. DRAWN BY: MAI THUONG THIN CHECKED BY: NAGAO N. APPROVED BY: NAGAI K. ISSUE DATE: 10/JAN/2006 SCALE: SCALE</p>		<p>SECTION: CIVIL WORKS SUB-SECTION: YARD PAVEMENT TITLE OF DRAWING: TRAFFIC PLAN AND MARKING DWG NO: PAC2-TV-YPA-005 REV. NO</p>	
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REV NO	DATE	DESCRIPTION	BY	APP						



LEGEND: - - - - - PIPE CULVERT (800) □ MAINHOLE ○ HIGH MAST LIGHT POLE

<p align="center">THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85</p>					<p align="center">CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT</p>					<p>DESIGNED BY: SAKURAI H. <i>[Signature]</i> DRAWN BY: MAI THUONG THIN <i>[Signature]</i> CHECKED BY: NAGAO N. <i>[Signature]</i> APPROVED BY: NAGAI K. <i>[Signature]</i> ISSUE DATE: 10/JAN/2006 SCALE: SCALE</p>					<p>SECTION: CIVIL WORKS SUB-SECTION: STORM WATER DRAINAGE TITLE OF DRAWING: GENERAL PLAN OF OPEN CULVERT AND PIPE CULVERT DWG NO: PAC2-TV-SWD-001 REV. NO</p>				
<p align="center">JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)</p>					<p align="center">PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA</p>														
REV. NO	DATE	DESCRIPTION	BY	APP															



LEGEND: - - - - - U - TRENCH ◻ MAINHOLE ◯ HIGH MAST LIGHT POLE

THE SOCIALIST REPUBLIC OF VIETNAM
MINISTRY OF TRANSPORT
PROJECT MANAGEMENT UNIT 85

JICA
JAPAN INTERNATIONAL COOPERATION AGENCY
ASSIGNED TO:
JAPAN PORT CONSULTANT (JPC)
PACIFIC CONSULTANTS INTERNATIONAL (PCI)
INTERNATIONAL DEVELOPMENT SYSTEM (IDS)

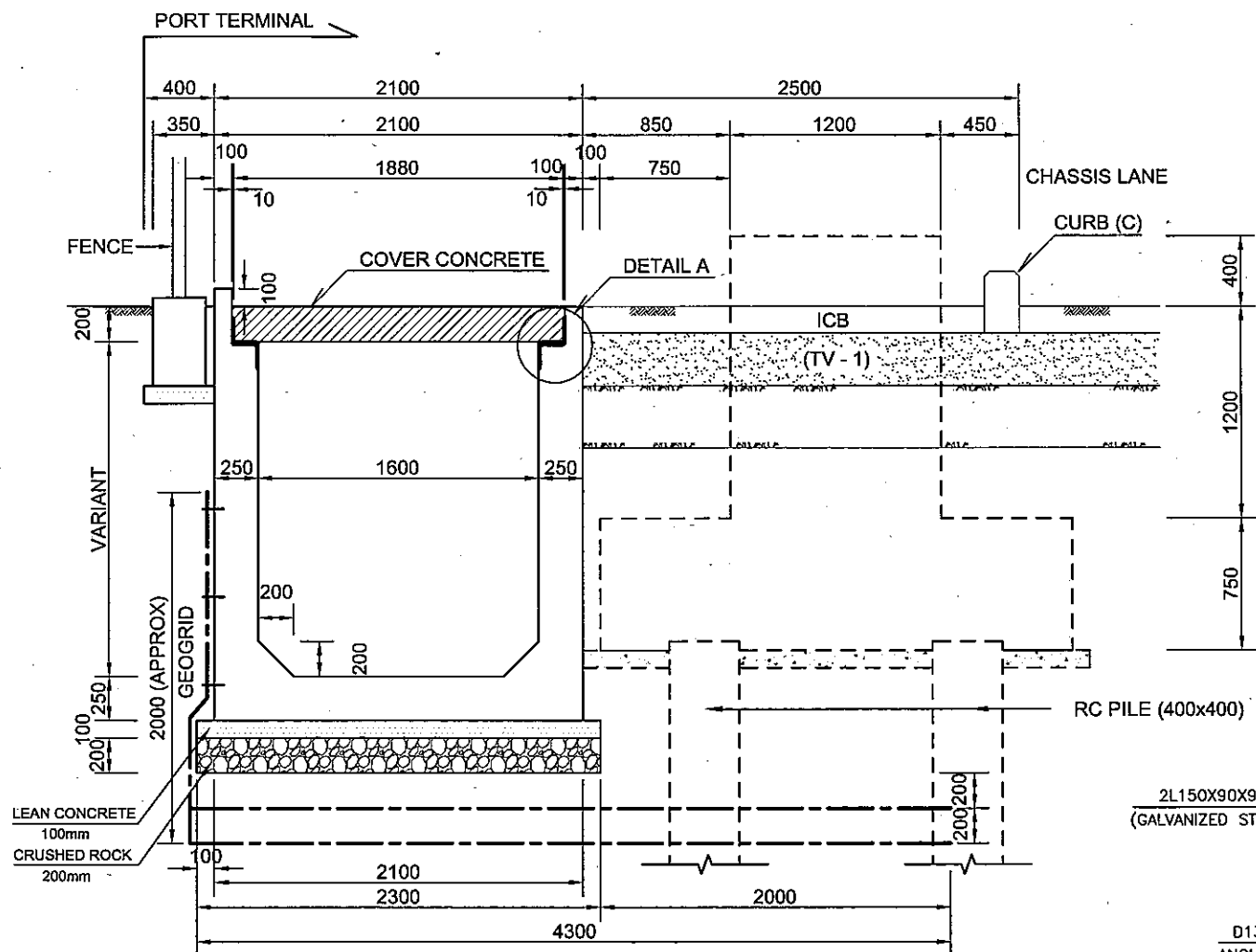
CAI MEP - THI VAI INTERNATIONAL PORT
CONSTRUCTION PROJECT

PACKAGE 2
CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR
THI VAI AREA

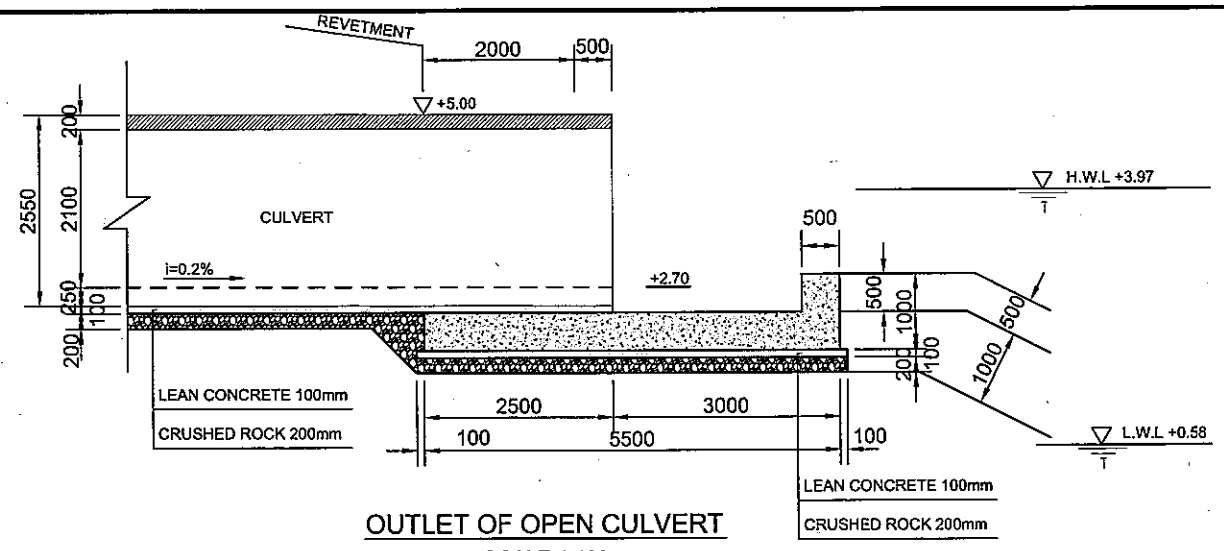
DESIGNED BY: SAKURAI H.
 DRAWN BY: MAI THUONG THIN
 CHECKED BY: NAGAO N.
 APPROVED BY: NAGAI K.
 ISSUE DATE: 10/JAN/2006
 SCALE: SCALE

SECTION: CIVIL WORKS
 SUB-SECTION: STORM WATER DRAINAGE
 TITLE OF DRAWING: GENERAL PLAN OF U - TRENCH
 DWG NO: PAC2-TV-SWD-002
 REV. NO

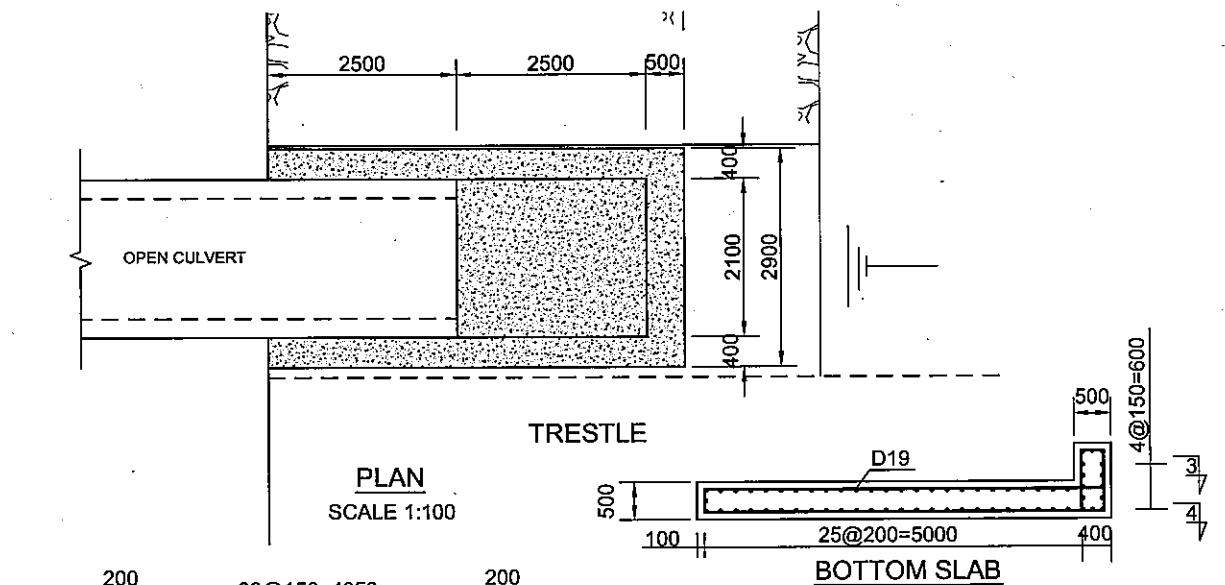
REV NO	DATE	DESCRIPTION	BY	APP



TYPICAL SECTION
SCALE 1:40

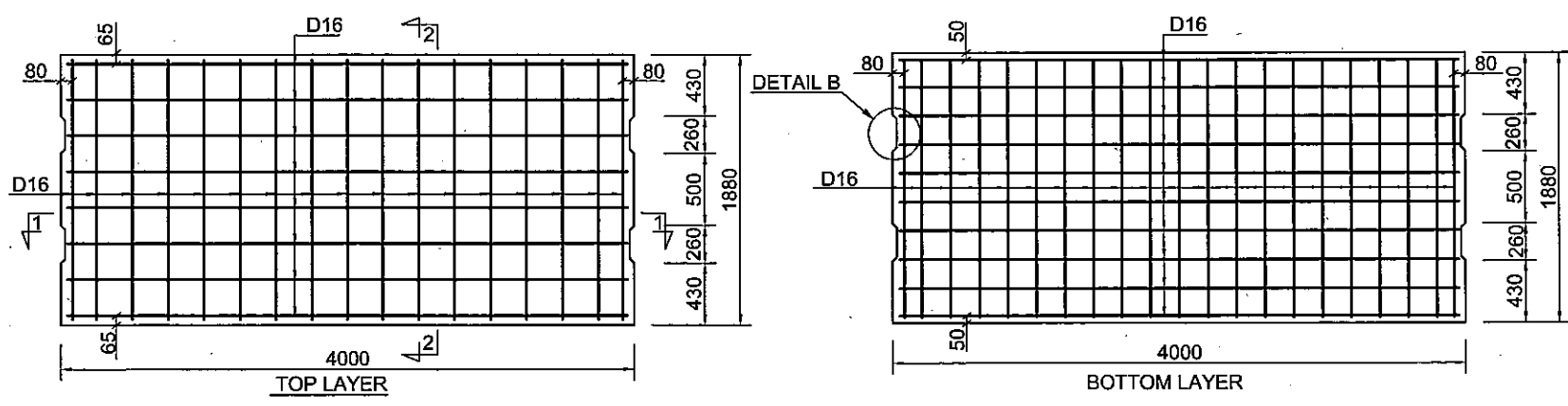


OUTLET OF OPEN CULVERT
SCALE 1:100

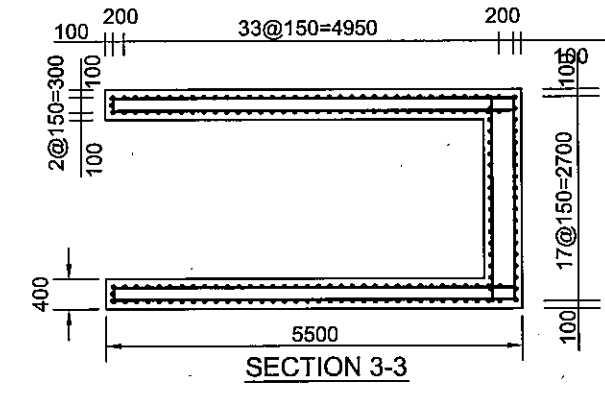


PLAN
SCALE 1:100

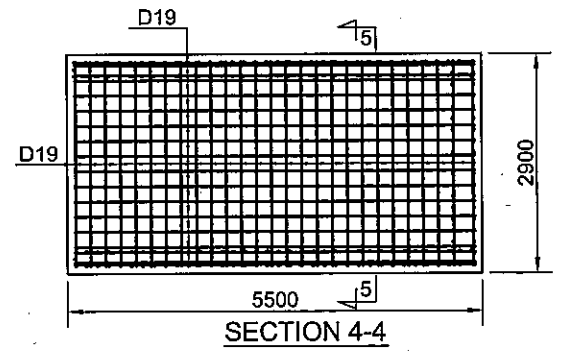
BOTTOM SLAB



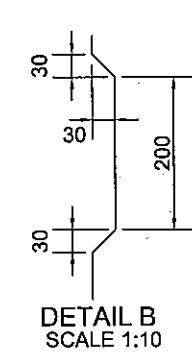
DETAILS OF COVER CONCRETE
SCALE 1:50



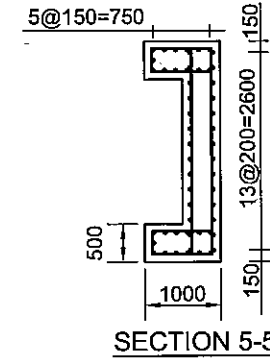
SECTION 3-3



SECTION 4-4



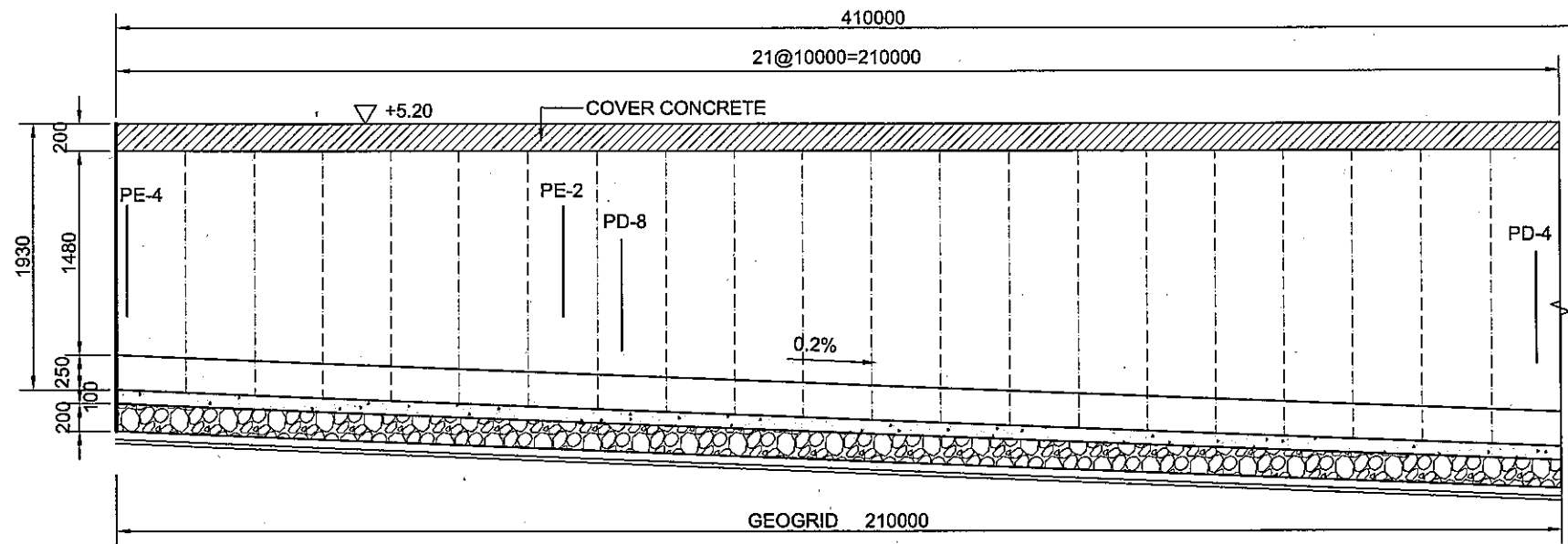
DETAIL B
SCALE 1:10



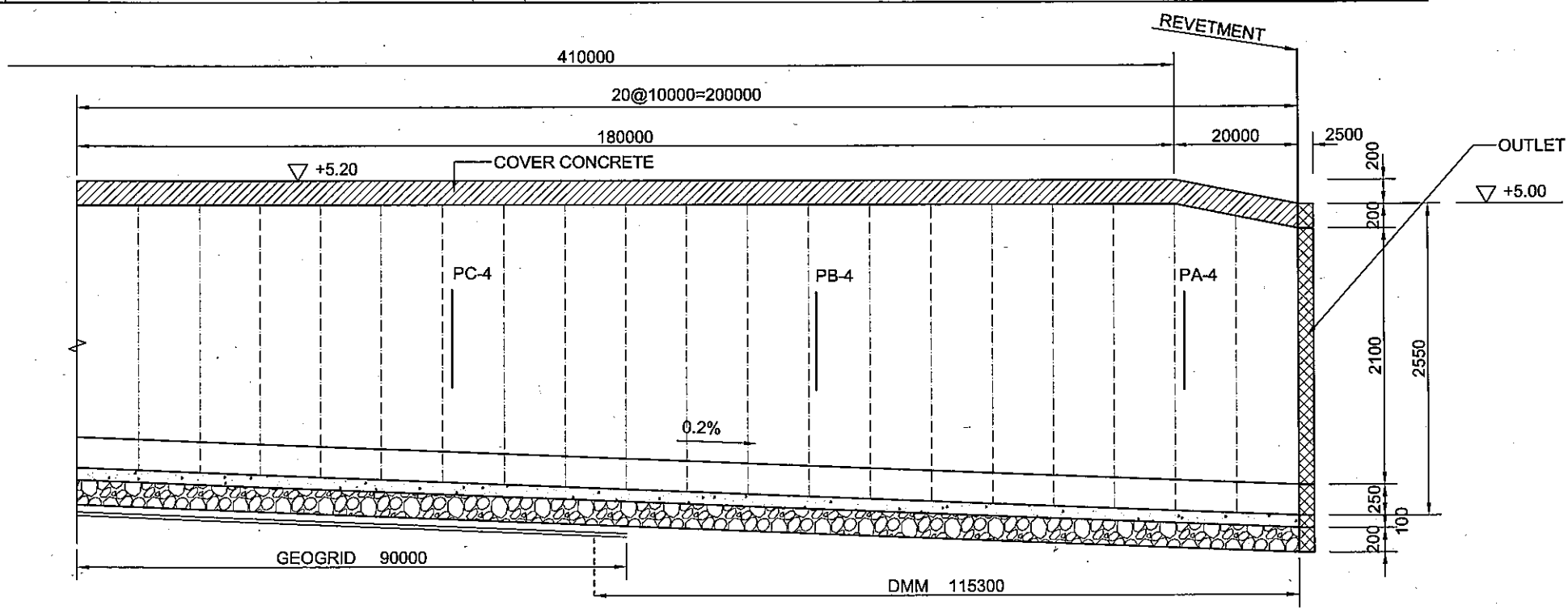
SECTION 5-5

REINFORCEMENT OF BOTTOM SLAB
SCALE 1:100

THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85					CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT		DESIGNED BY: SAKURAI H. DRAWN BY: MAI THUONG THIN CHECKED BY: NAGAO N.		SECTION: CIVIL WORKS SUB-SECTION: STORM WATER DRAINAGE TITLE OF DRAWING: TYPICAL SECTION OF OPEN CULVERT AND DETAILS	
JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)					PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA		APPROVED BY: NAGAI K. ISSUE DATE: 10/JAN/2006 SCALE: SCALE		DWG NO: PAC2-TV:SWD-003 REV. NO	
REV NO	DATE	DESCRIPTION	BY	APP						



DISTANCE	0.0	2.0	50.0	65.0	73.5	100.0	150.0	200.0	208.5
GLAND LEVEL	+5.20	+5.20	+5.20	+5.20	+5.20	+5.20	+5.20	+5.20	+5.20
BOTTOM ELEVATION OF OPEN CULVERT	+3.520	+3.516	+3.420	+3.360	+3.373	+3.320	+3.220	+3.120	+3.107
INVERT ELEVATION OF OUTLET PIPE	+3.788	+3.788	+3.788	+3.788	+3.788	+3.788	+3.788	+3.788	+3.453

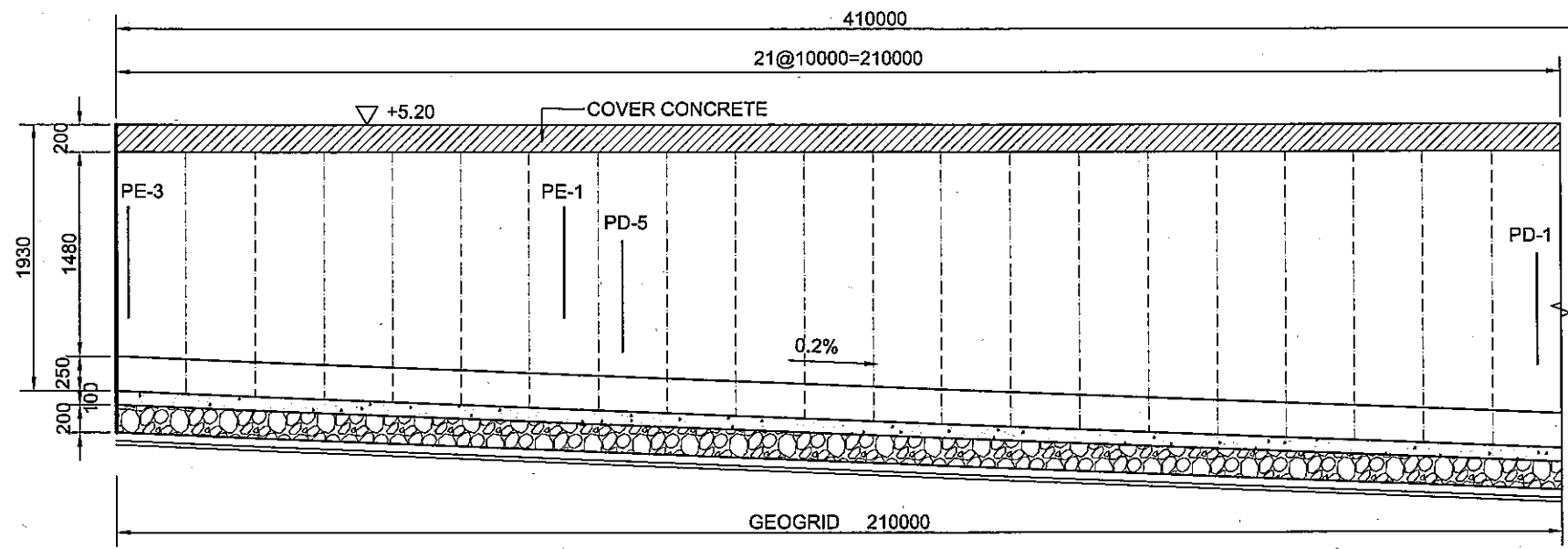


DISTANCE	250.0	271.5	300.0	331.5	350.0	391.5	400.0	410.0
GLAND LEVEL	+5.20	+5.20	+5.20	+5.20	+5.20	+5.20	+5.20	+5.00
BOTTOM ELEVATION OF OPEN CULVERT	+3.020	+2.977	+2.920	+2.857	+2.820	+2.737	+2.720	+2.700
INVERT ELEVATION OF OUTLET PIPE	+3.603	+3.603	+3.603	+3.603	+3.603	+3.603	+3.603	+3.453

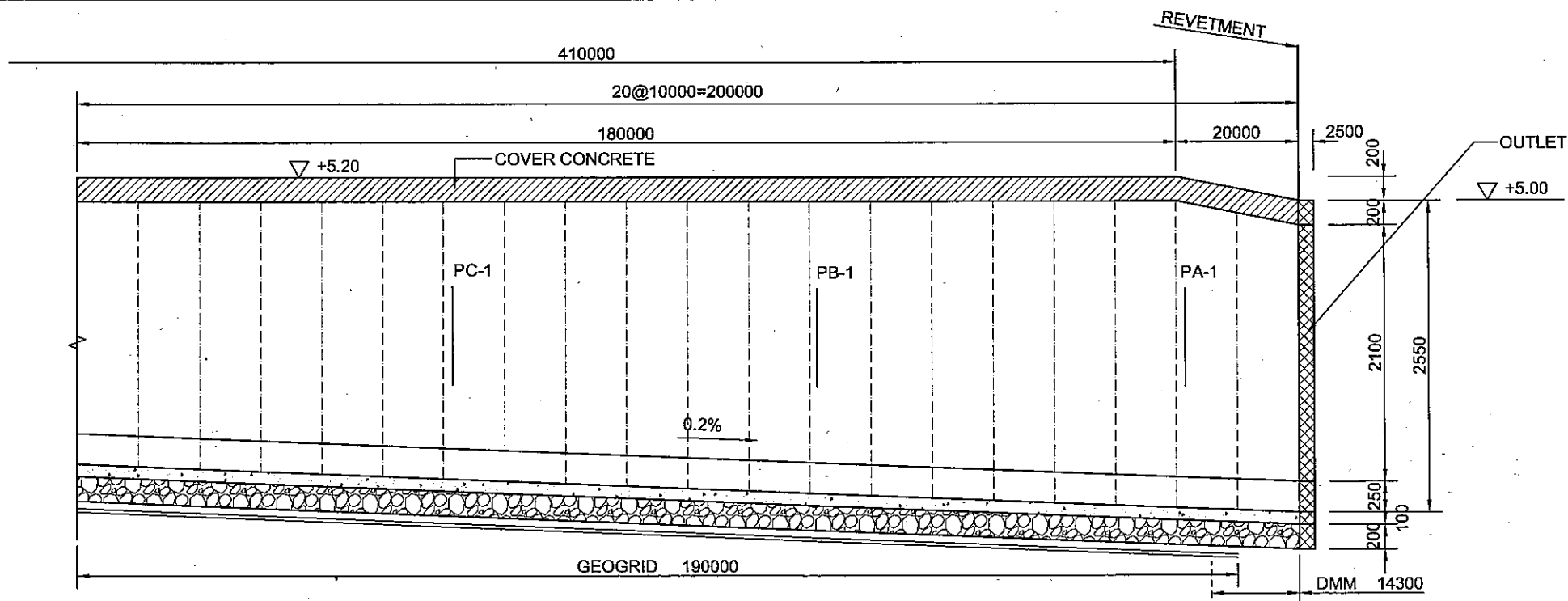
LONGITUDINAL PROFILE OF OPEN CULVERT (A)

SCALE H = 1:1000
SCALE V = 1:50

<p>THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85</p>					<p>CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT</p>			<p>DESIGNED BY: SAKURAI H. DRAWN BY: MAI THUONG THIN CHECKED BY: NAGAI K. APPROVED BY: NAGAI K.</p>		<p>SECTION: CIVIL WORKS SUB-SECTION: STORM WATER DRAINAGE TITLE OF DRAWING: LONGITUDINAL PROFILE OF OPEN CULVERT (1)</p>	
<p>JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)</p>					<p>PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA</p>			<p>ISSUE DATE: 10/JAN/2006 SCALE: SCALE</p>		<p>DWG NO: PAC1-TV-SWD-004 REV. NO</p>	
REV NO	DATE	DESCRIPTION	BY	APP							



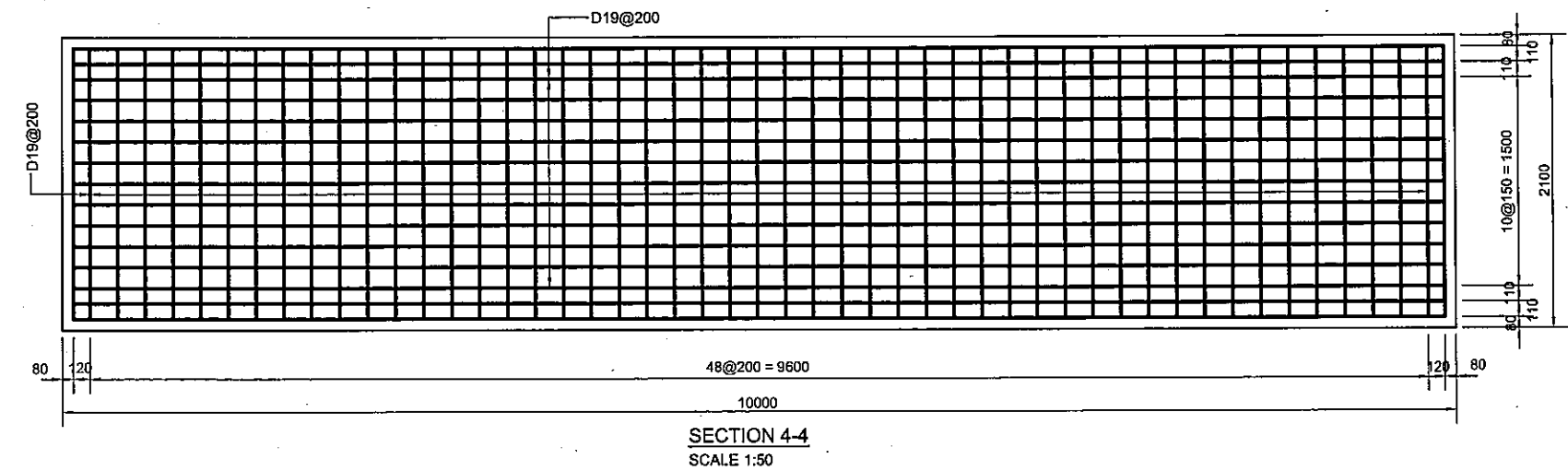
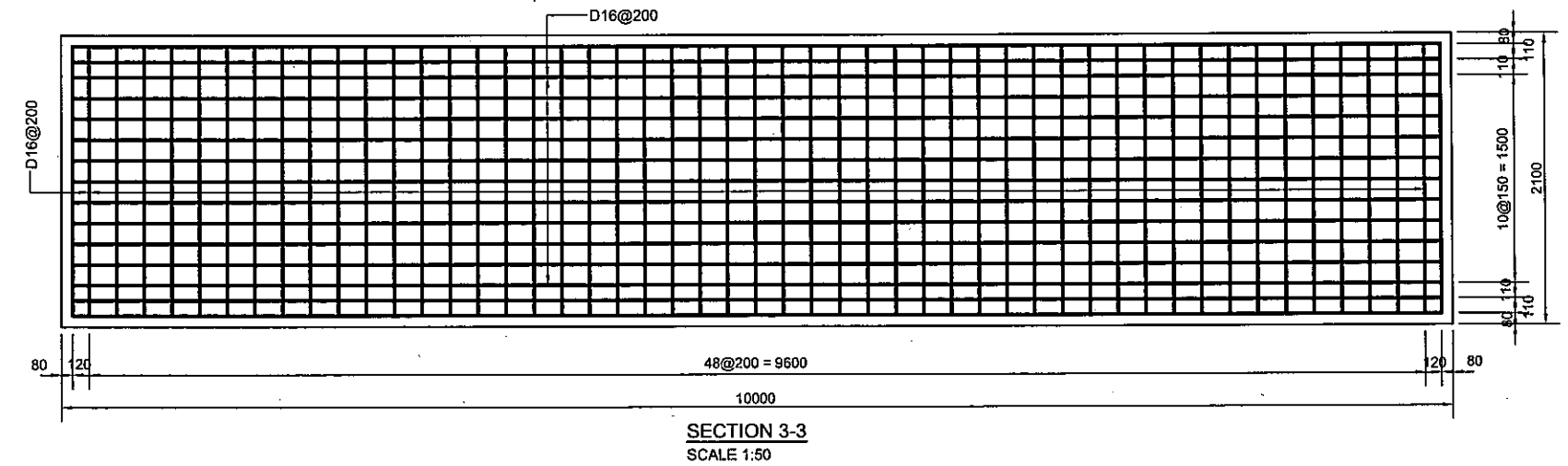
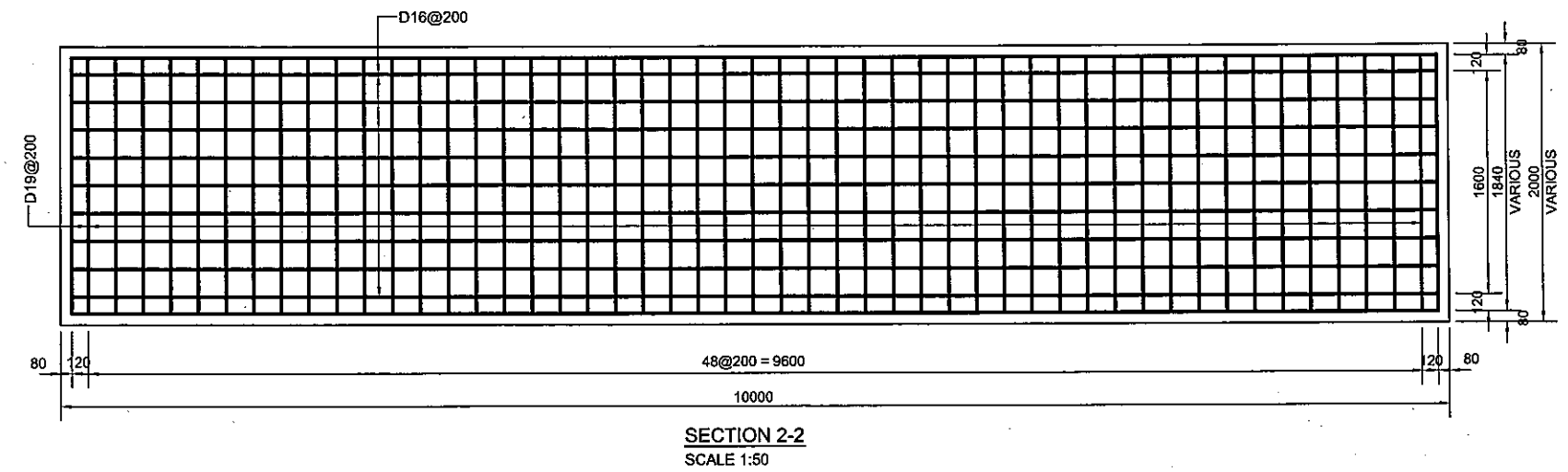
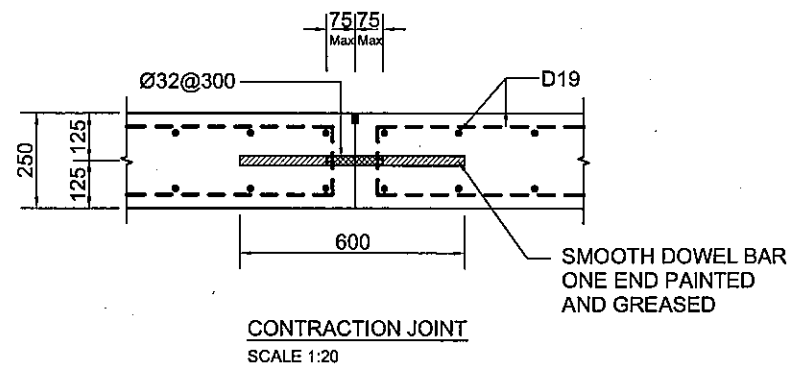
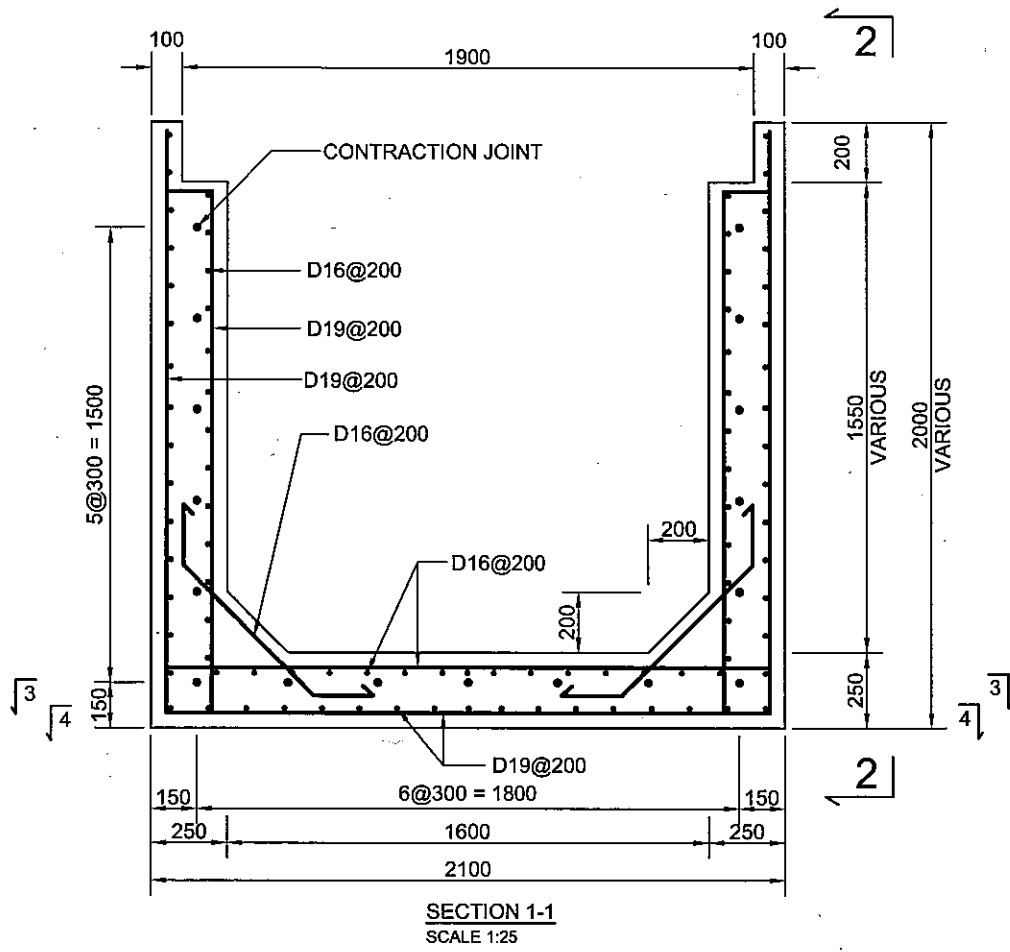
DISTANCE	0.0	2.0	50.0	65.0	73.5	100.0	150.0	200.0	208.5
GLAND LEVEL	+5.20	+5.20	+5.20	+5.20	+5.20	+5.20	+5.20	+5.20	+5.20
BOTTOM ELEVATION OF OPEN CULVERT	+3.520	+3.516	+3.420	+3.390	+3.373	+3.320	+3.220	+3.120	+3.107
INVERT ELEVATION OF OUTLET PIPE	+3.789			+3.789	+3.553			+3.463	



DISTANCE	250.0	271.5	300.0	331.5	350.0	391.5	400.0	410.0
GLAND LEVEL	+5.20	+5.20	+5.20	+5.20	+5.20	+5.20	+5.20	+5.00
BOTTOM ELEVATION OF OPEN CULVERT	+3.020	+2.977	+2.920	+2.857	+2.820	+2.737	+2.720	+2.700
INVERT ELEVATION OF OUTLET PIPE	+3.503	+3.503		+3.480		+3.480		

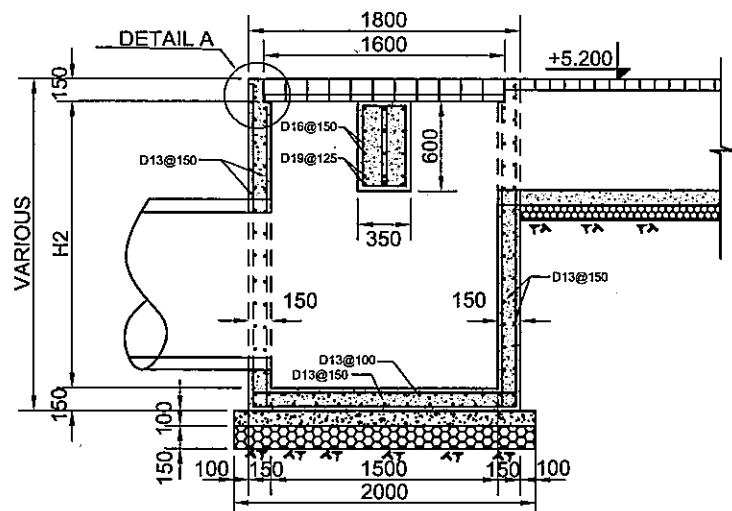
LONGITUDINAL PROFILE OF OPEN CULVERT (B)
 SCALE H = 1:1000
 SCALE V = 1:50

		THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85		CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT		DESIGNED BY: SAKURAI H. DRAWN BY: MAI THUONG THIN CHECKED BY: NAGAO N.		SECTION: CIVIL WORKS SUB-SECTION: STORM WATER DRAINAGE TITLE OF DRAWING: LONGITUDINAL PROFILE OF OPEN CULVERT (2)	
		JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)		PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA		APPROVED BY: NAGAI K. ISSUE DATE: 10/JAN/2006 SCALE:		DWG NO: PAC1-TV-SWD-005 REV. NO	
REV NO	DATE	DESCRIPTION	BY	APP					

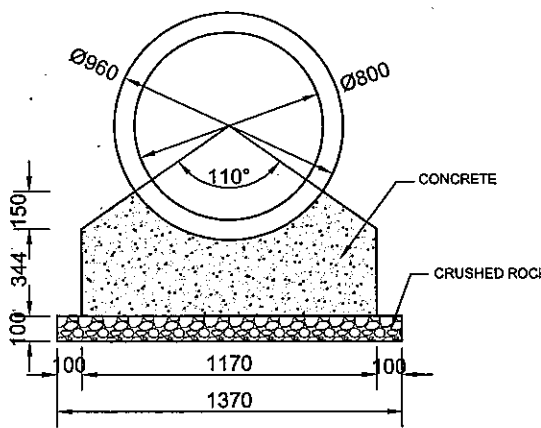


REINFORCEMENT FOR OPEN CULVERT
(TYPICAL)

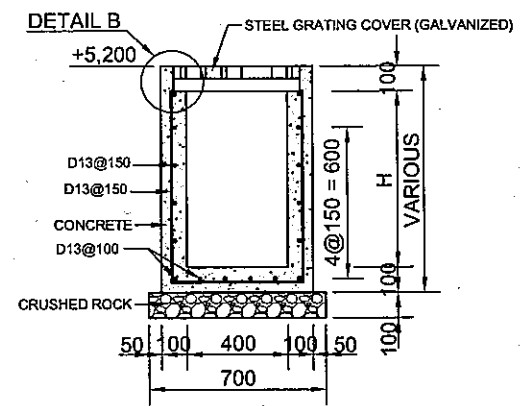
<p align="center">THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85</p>					<p align="center">CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT</p>		<p>DESIGNED BY: SAKURAI H. <i>[Signature]</i> DRAWN BY: MAI THONG THIN <i>[Signature]</i> CHECKED BY: NAGAO N. <i>[Signature]</i> APPROVED BY: NAGAI K. <i>[Signature]</i> ISSUE DATE: 30/SEP/2005 SCALE: 1:40 1:25 1:20</p>		<p>SECTION: CIVIL WORKS SUB-SECTION: STORM WATER DRAINAGE TITLE OF DRAWING: TYPICAL REINFORCEMENT FOR OPEN CULVERT DWG NO: PAC2-TV-SWD-006 REV. NO</p>	
<p align="center">JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)</p>					<p align="center">PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA</p>					
REV NO	DATE	DESCRIPTION	BY	APP						



TYPICAL SECTION OF MANHOLE
SCALE : 1/50

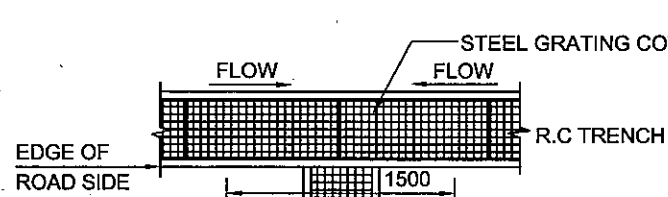


SECTION OF CULVERT
SCALE 1:30

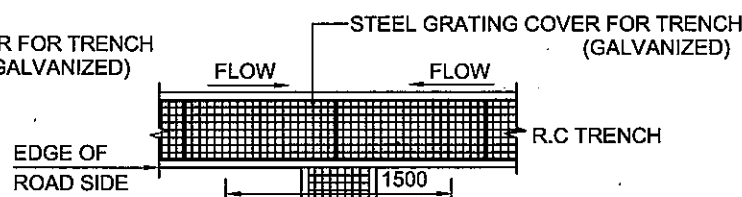


SECTION OF TRENCH WITH COVER
SCALE 1:30

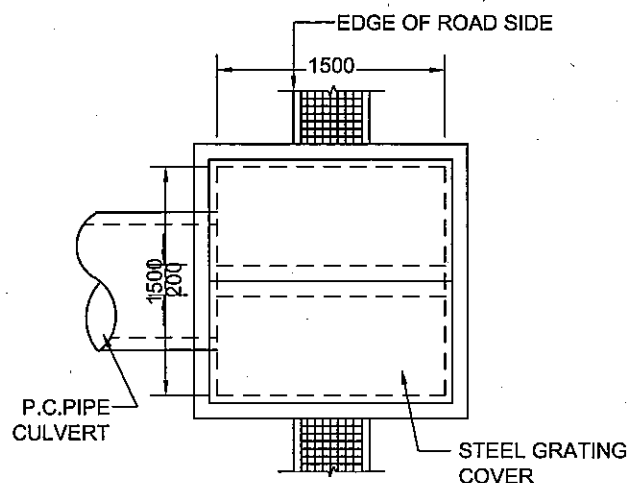
TRENCH	LENGTH (M)	HEIGHT OF TRENCH H1(MM)		
		MIN	MAX	
UA1-1, UA4-1	159	500	+ 4,600	862 + 4,238
UA2-1, UA3-1	164	500	+ 4,600	872 + 4,228
UA1-2, UA4-2	181	500	+ 4,600	862 + 4,238
UA2-2, UA3-2	186	500	+ 4,600	872 + 4,228
UB1-1, UB4-1	159	500	+ 4,600	862 + 4,238
UB1-2, UB4-2	181	500	+ 4,600	862 + 4,238
UB2-1, UB3-1	174	500	+ 4,600	935 + 4,165
UB2-2, UB3-2	66	500	+ 4,600	935 + 4,165
UB2-3, UB3-3	240	500	+ 4,600	1,100 + 4,000
UC1-1, UC4-1	164	500	+ 4,600	872 + 4,228
UC1-2, UC4-2	186	500	+ 4,600	872 + 4,228
UD1-1, UD4-1	240	500	+ 4,600	1,100 + 4,000
UD1-2, UD4-2	148	500	+ 4,600	796 + 4,304
UD1-3, UD4-3	112	500	+ 4,600	796 + 4,304
UD2-1, UD3-1	245	500	+ 4,600	1,235 + 3,865
UD2-2, UD3-2	148	500	+ 4,600	796 + 4,304
UD2-3, UD3-3	117	500	+ 4,600	796 + 4,304
UE1-1, UE2-1	295	500	+ 4,600	1,238 + 3,862
UE1-2	275.25	500	+ 4,600	1,183 + 3,917
UE2-2	269.15	500	+ 4,600	1,173 + 3,927



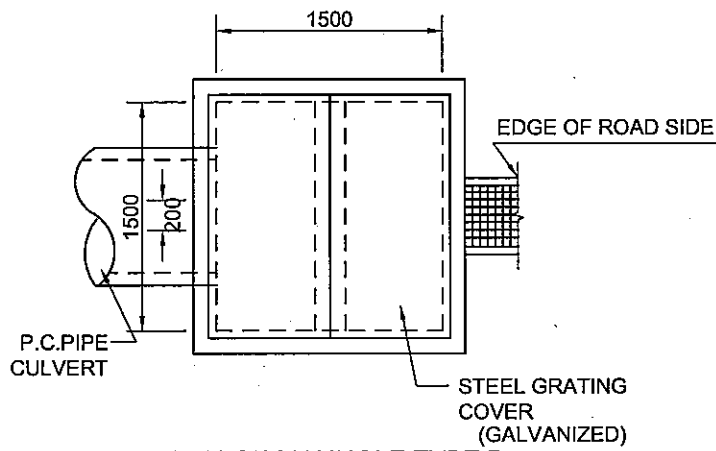
PLAN OF MANHOLE TYPE A
SCALE : 1/50



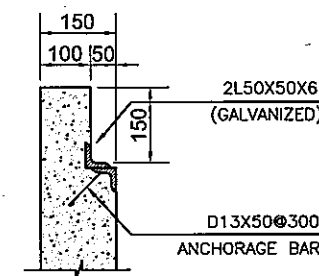
PLAN OF MANHOLE TYPE B
SCALE : 1/50



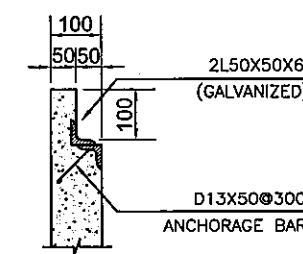
PLAN OF MANHOLE TYPE C
SCALE : 1/50



PLAN OF MANHOLE TYPE D
SCALE : 1/50



DETAIL (A)
SCALE : 1/15



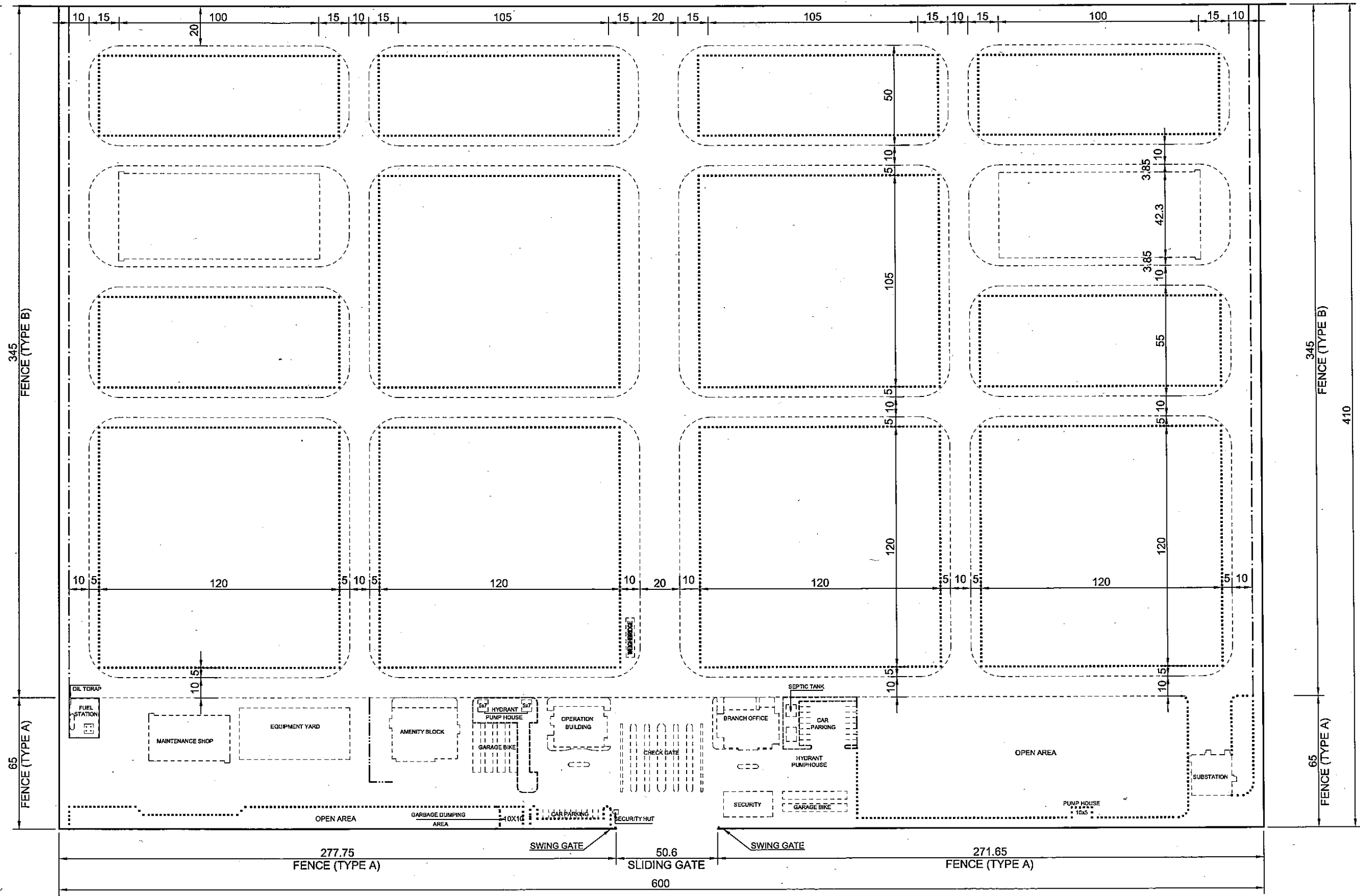
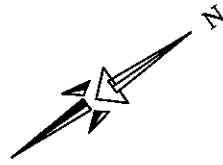
DETAIL (B)
SCALE : 1/15

MANHOLE	TRENCH (IN)		PIPE CULVERT (IN)		PIPE CULVERT (OUT)		HEIGHT OF MANHOLE H2(MM)	BOTTOM ELEVATION OF MANHOLE	MANHOLE TYPE
	NAME	ELEVATION	NAME	ELEVATION	NAME	ELEVATION			
MHA-1	UA1-1, UA1-2	+4.238	PA-2	+3.590	PA-1	+3.590	1,750	+ 3.300	A
MHA-2	UA2-1, UA2-2	+4.228	-	-	PA-2	+3.800	1,550	+ 3.500	B
MHA-3	UA3-1, UA3-2	+4.228	-	-	PA-3	+3.800	1,550	+ 3.500	B
MHA-4	UA4-1, UA4-2	+4.238	PA-3	+3.590	PA-4	+3.590	1,750	+ 3.300	A
MHB-1	UB1-1, UB1-2	+4.238	PB-2	+3.590	PB-1	+3.590	1,750	+ 3.300	A
MHB-2	UB2-1, UB2-2	+4.165	-	-	PB-2	+3.800	1,550	+ 3.500	B
MHB-3	UB3-1, UB3-2	+4.165	-	-	PB-3	+3.800	1,550	+ 3.500	B
MHB-4	UB4-1, UB4-2	+4.238	PB-3	+3.590	PB-4	+3.590	1,750	+ 3.300	A
MHC-1	UC1-1, UC1-2	+4.228	PC-2	+3.613	PC-1	+3.613	1,750	+ 3.300	A
MHC-2	UB2-3	+4.000	-	-	PC-2	+3.800	1,550	+ 3.500	C
MHC-3	UB3-3	+4.228	-	-	PC-3	+3.800	1,550	+ 3.500	C
MHC-4	UC4-1, UC4-2	+4.228	PC-3	+3.613	PC-4	+3.613	1,750	+ 3.300	A
MHD-1	UD1-1	+4.000	PD-2	+3.590	PD-1	+3.590	1,750	+ 3.300	A
MHD-2	UD2-1	+3.865	-	-	PD-2	+3.800	1,550	+ 3.500	B
MHD-3	UD3-1	+3.865	-	-	PD-3	+3.800	1,550	+ 3.500	B
MHD-4	UD4-1	+4.000	PD-3	+3.590	PD-4	+3.590	1,750	+ 3.300	A
MHD-5	UD1-2, UD1-3	+4.304	PD-6	+3.590	PD-5	+3.690	1,750	+ 3.300	A
MHD-6	UD2-2, UD2-3	+4.304	-	-	PD-6	+3.800	1,550	+ 3.500	B
MHD-7	UD3-2, UD3-3	+4.304	-	-	PD-7	+3.800	1,550	+ 3.500	B
MHD-8	UD4-2, UD4-3	+4.304	PD-7	+3.590	PD-8	+3.690	1,750	+ 3.300	A
MHE-1	UE1-1	+3.863	-	-	PE-1	+3.800	1,550	+ 3.500	D
MHE-2	UE2-1	+3.863	-	-	PE-2	+3.800	1,550	+ 3.500	D
MHE-3	UE1-2	+3.912	-	-	PE-3	+3.800	1,550	+ 3.500	D
MHE-4	UE2-2	+3.927	-	-	PE-4	+3.800	1,550	+ 3.500	D

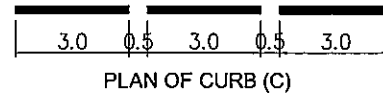
NOTE:
DETAILS OF MANHOLE, CULVERT, TRENCH AND RE-BAR ARRANGEMENTS SHALL BE PREPARED BY THE CONTRACTOR

<p align="center">THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85</p>					<p align="center">CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT</p>					<p>DESIGNED BY: SAKURAI H.</p>		<p>SECTION: CIVIL WORKS</p>	
<p align="center">JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)</p>					<p align="center">PACKAGE 1 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR CAI MEP AREA</p>					<p>DRAWN BY: MAI THUONG THIN</p>		<p>SUB-SECTION: STORM WATER DRAINAGE</p>	
<p>REVNO DATE DESCRIPTION BY APP</p>					<p>APPROVED BY: NAGAI K.</p>					<p>CHECKED BY: NAGAI K.</p>		<p>TITLE OF DRAWING: TYPICAL SECTION OF PIPE CULVERT, U-TRENCH AND DETAILS</p>	
										<p>ISSUE DATE: 10/JAN/2006</p>		<p>DWG NO: PAC2-TV-SWD-007</p>	
										<p>SCALE: SCALE</p>		<p>REV. NO</p>	

REVETMENT



- LEGEND:**
- CURB (A)
 - CURB (B)
 - CURB (C)
 - CURB (D)



LEGEND:

GENERAL LAYOUT

REV NO	DATE	DESCRIPTION	BY	APP

THE SOCIALIST REPUBLIC OF VIETNAM
 MINISTRY OF TRANSPORT
 PROJECT MANAGEMENT UNIT 85

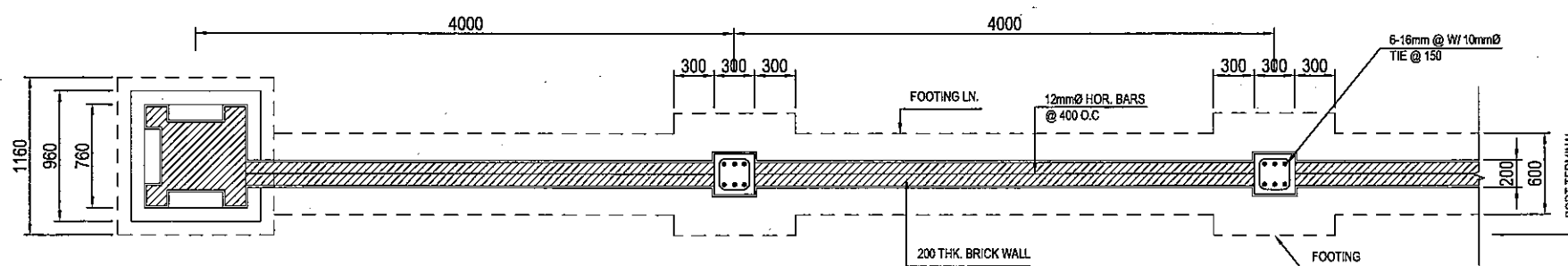
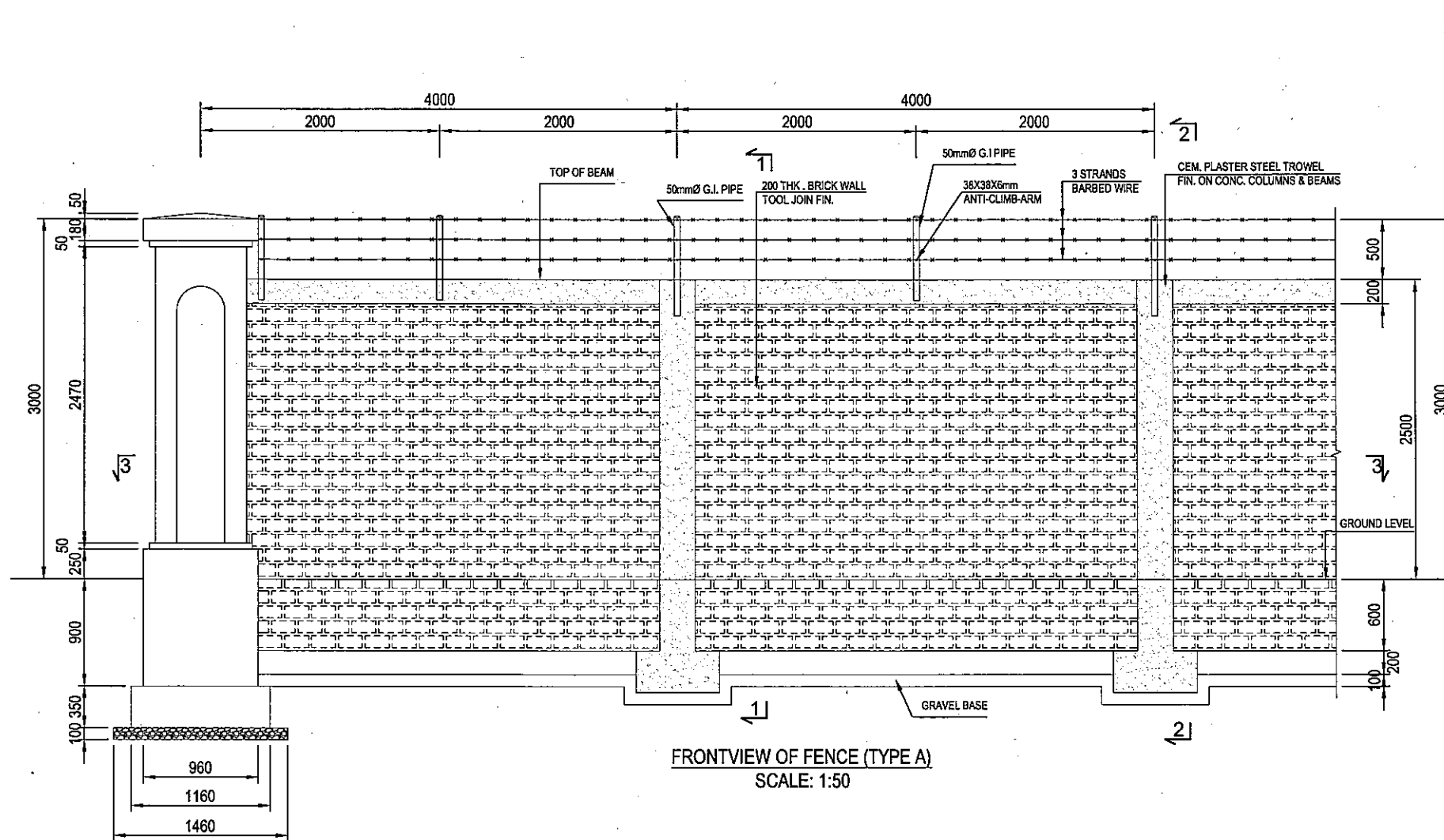
JAPAN INTERNATIONAL COOPERATION AGENCY
 ASSIGNED TO:
 JAPAN PORT CONSULTANT (JPC)
 PACIFIC CONSULTANTS INTERNATIONAL (PCI)
 INTERNATIONAL DEVELOPMENT SYSTEM (IDS)

CAI MEP - THI VAI INTERNATIONAL PORT
 CONSTRUCTION PROJECT

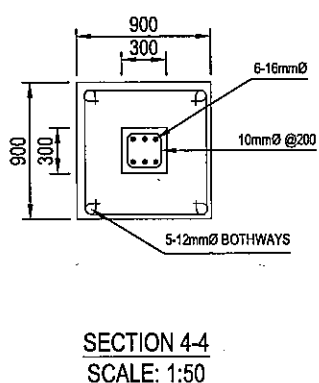
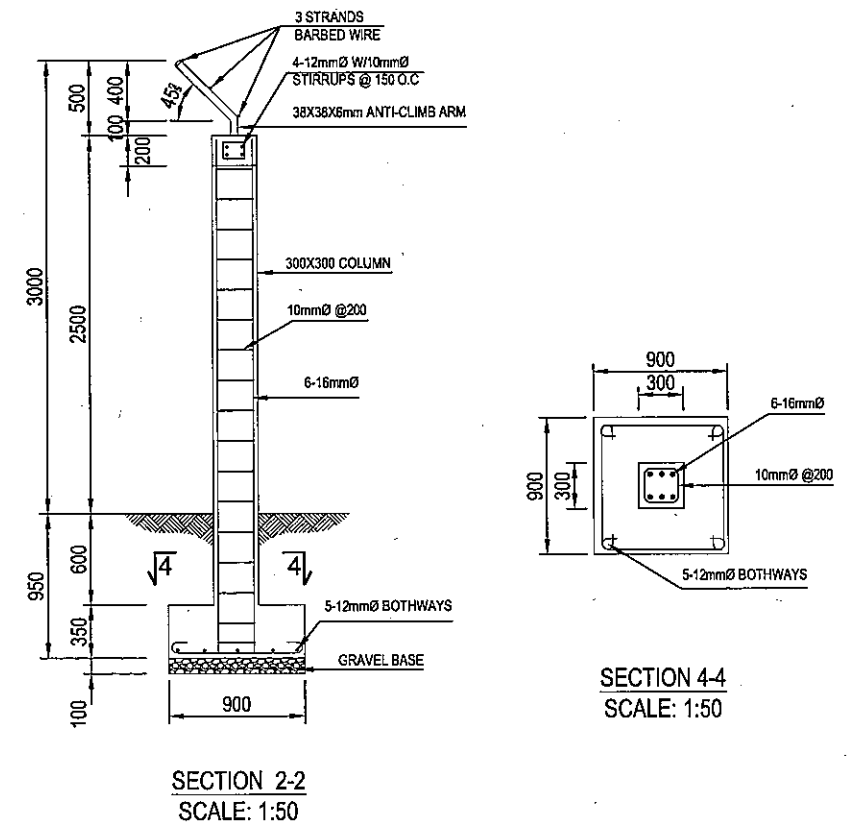
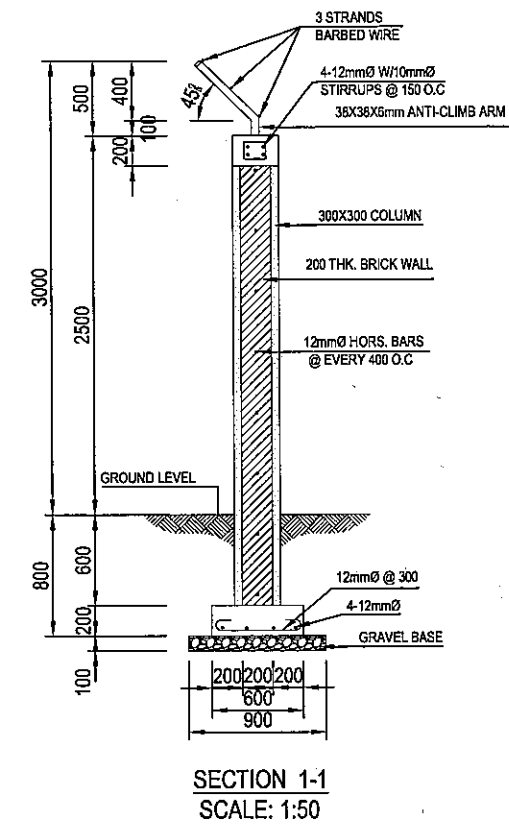
PACKAGE 2
 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR
 THI VAI AREA

DESIGNED BY: SAKURAI H.
 DRAWN BY: MAI THUONG THIN
 CHECKED BY: NAGAO N.
 APPROVED BY: NAGAI K.
 ISSUE DATE: 10/JAN/2006
 SCALE: 1:2000

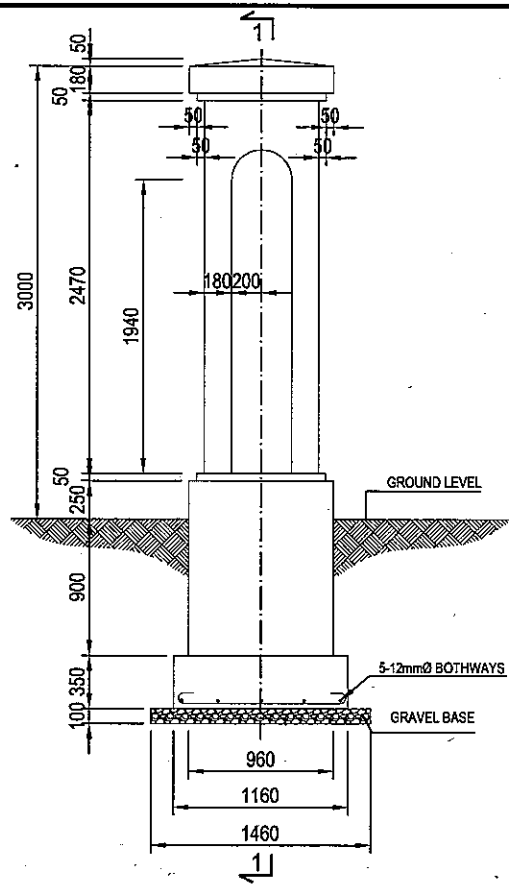
SECTION: CIVIL WORKS
 SUB-SECTION: SECURITY FENCE, GATE AND CURB
 TITLE OF DRAWING: GENERAL LAYOUT FOR SECURITY FENCE, GATE AND CURB
 DWG NO: PAC2-TV-FGC-001
 REV. NO



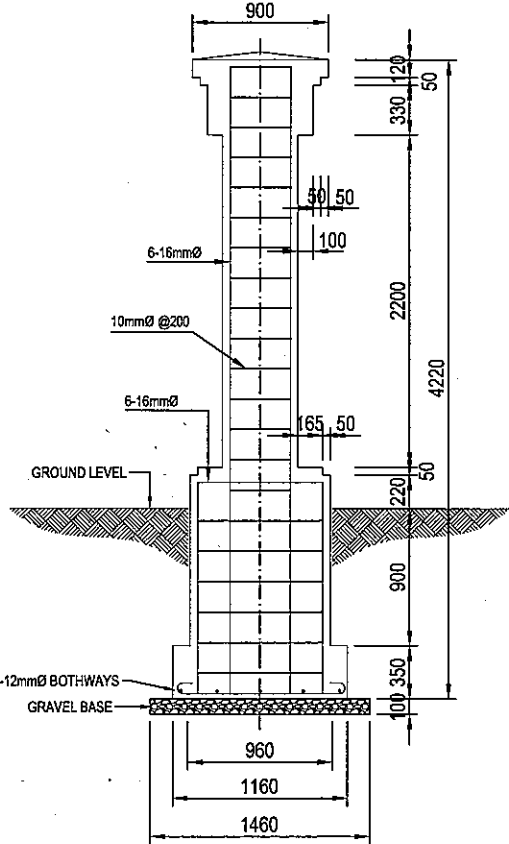
DETAILS OF FENCE (FOR REFERENCE)



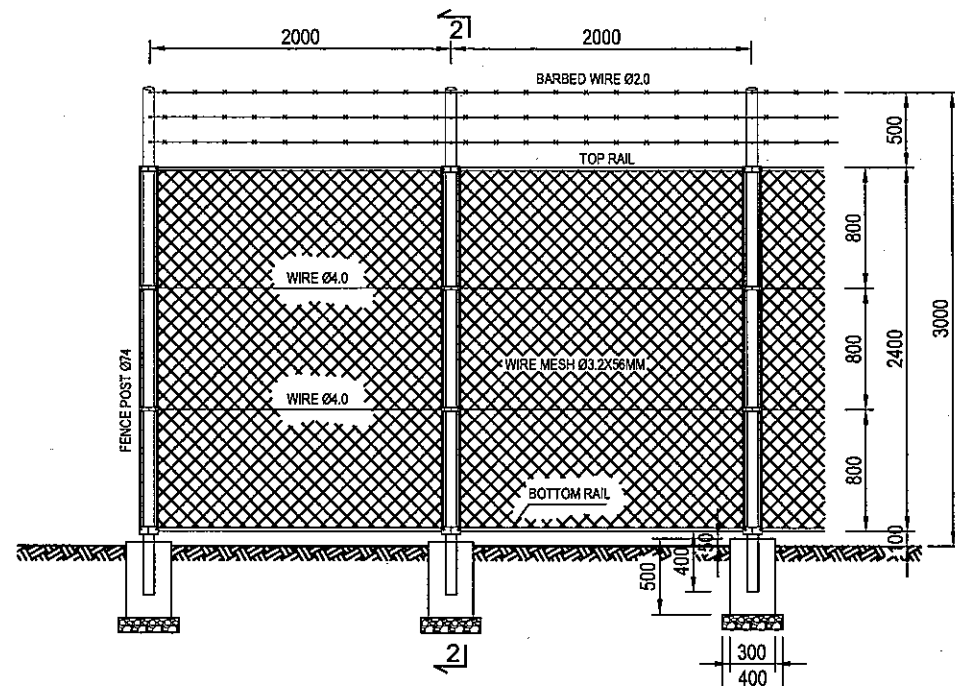
<p align="center">THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85</p>					<p align="center">CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT</p>		<p>DESIGNED BY: SAKURAI H. DRAWN BY: MAI THUONG THIN CHECKED BY: NAGAO N. APPROVED BY: NAGAI K. ISSUE DATE: 30/SEP/2005 SCALE: 1:50</p>		<p>SECTION: CIVIL WORKS SUB-SECTION: SECURITY FENCE, GATE AND CURB TITLE OF DRAWING: DETAILS OF FENCE DWG NO: PAC2-TV-FGC-002 REV. NO</p>	
<p align="center">JICA ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)</p>					<p align="center">PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA</p>					
REV NO	DATE	DESCRIPTION	BY	APP						



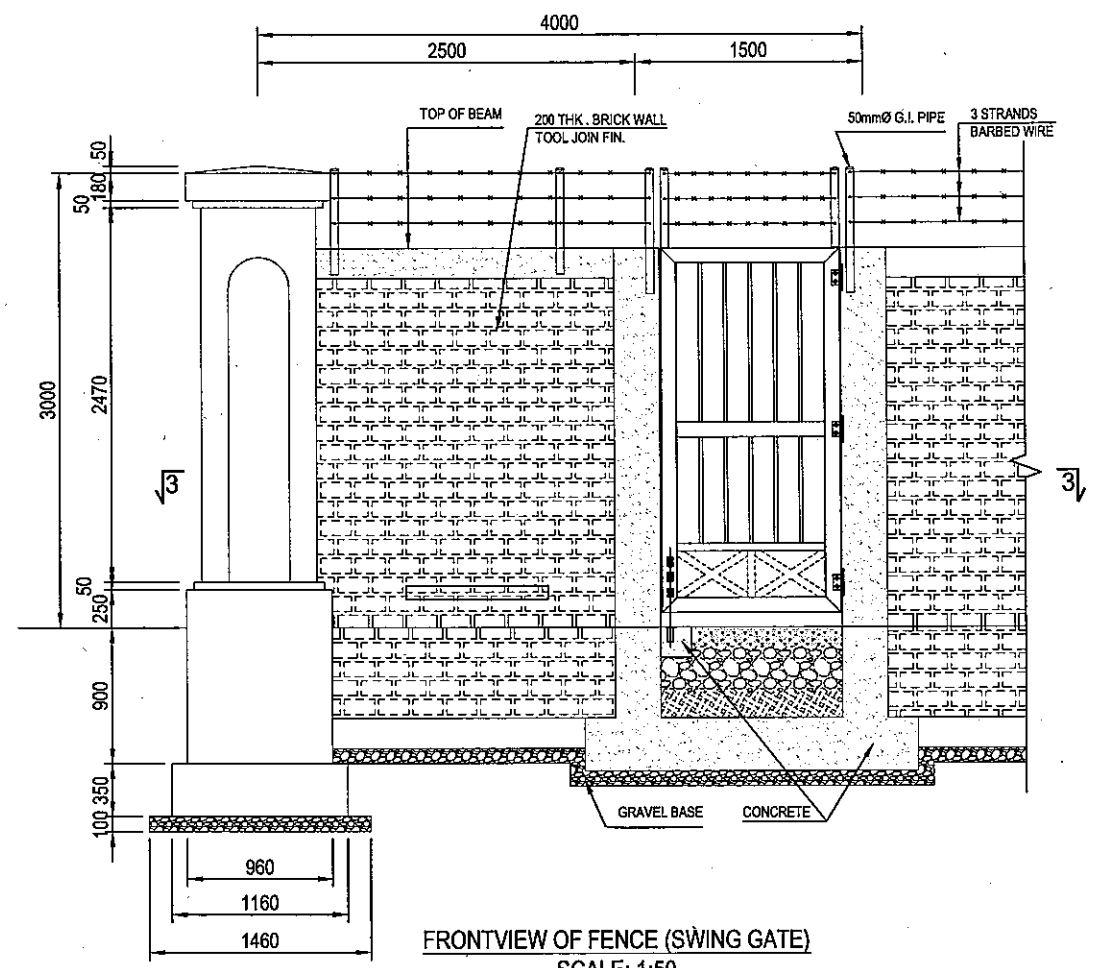
MAIN GATE COLUMN
SCALE: 1:50



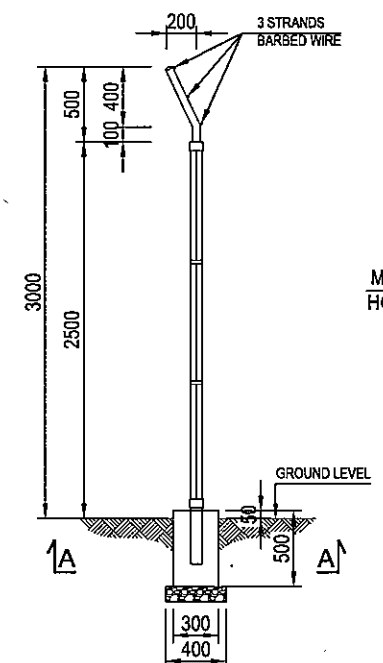
SECTION 1-1
SCALE: 1:50



FRONTVIEW OF FENCE (TYPE B)
SCALE: 1:50

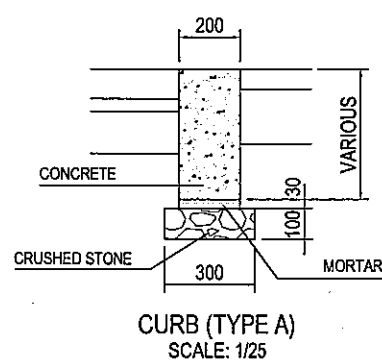


FRONTVIEW OF FENCE (SWING GATE)
SCALE: 1:50

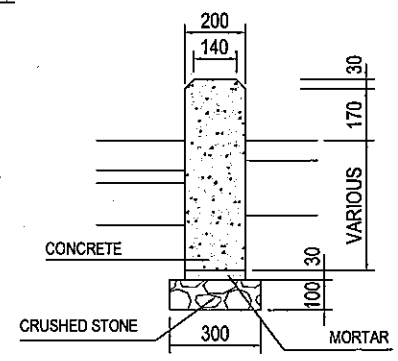


SECTION 2-2
SCALE: 1:50

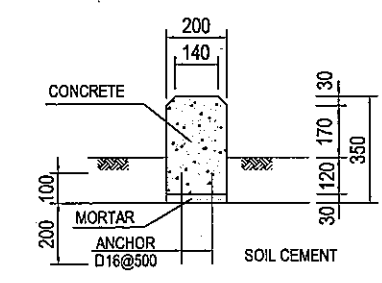
SECTION A-A
SCALE: 1:25



CURB (TYPE A)
SCALE: 1/25

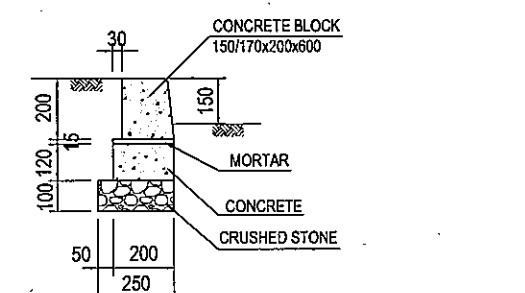


CURB (TYPE B)
SCALE: 1/25



CURB (TYPE C)
SCALE: 1/25

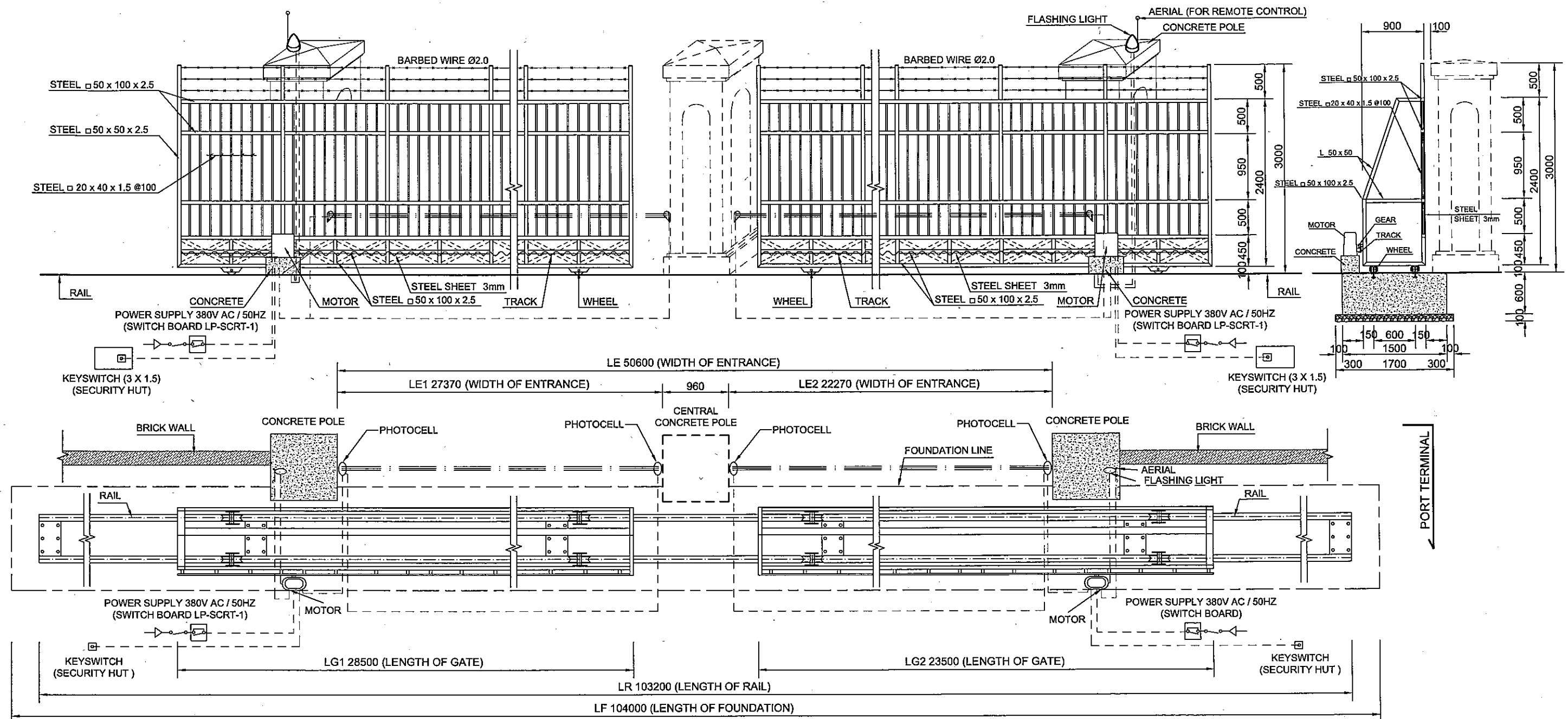
SECTION 3-3
SCALE: 1:50



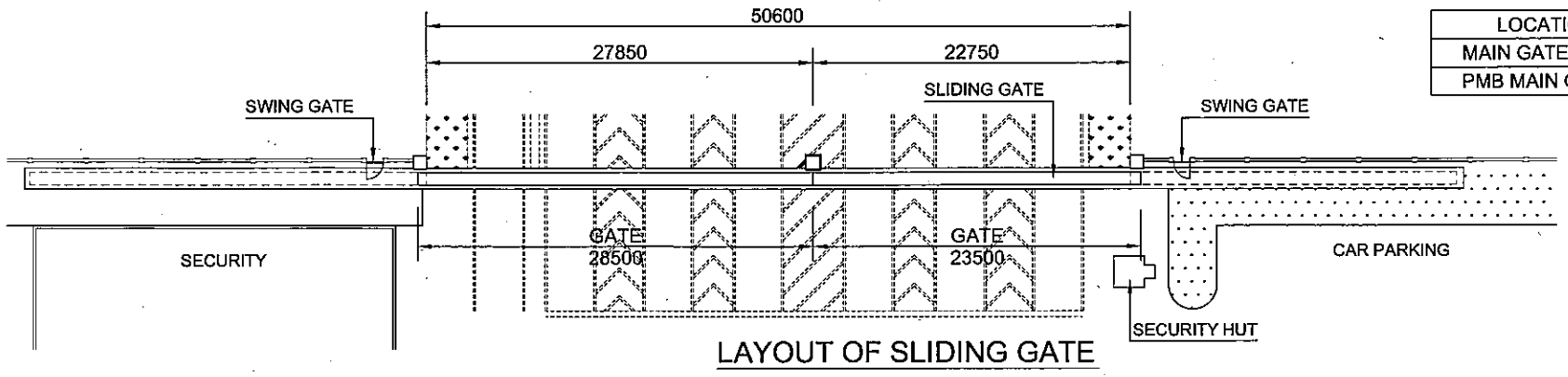
CURB (TYPE D)
SCALE: 1/25

DETAILS OF FENCE AND CURB (FOR REFERENCE)

<p align="center">THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85</p>					<p align="center">CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT</p>		<p>DESIGNED BY: SAKURAI H. DRAWN BY: MAI THUONG THIN CHECKED BY: NAGAO N. APPROVED BY: NAGAI K. ISSUE DATE: 30/SEP/2005 SCALE: 1:50 1:25</p>		<p>SECTION: CIVIL WORKS SUB-SECTION: SECURITY FENCE, GATE AND CURB TITLE OF DRAWING: DETAILS OF FENCE AND CURB DWG NO: PAC2-TV-FGC-003 REV. NO:</p>	
REV NO	DATE	DESCRIPTION	BY	APP	<p align="center">PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA</p>					
<p align="center"> </p>										



DETAILS OF SLIDING GATE
(FOR REFERENCE)



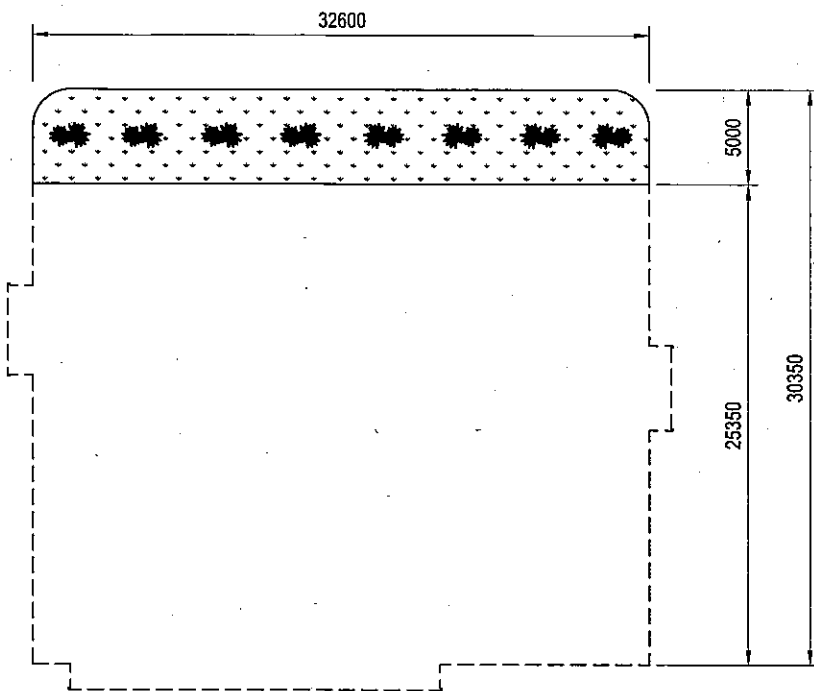
LAYOUT OF SLIDING GATE

(UNIT: m)

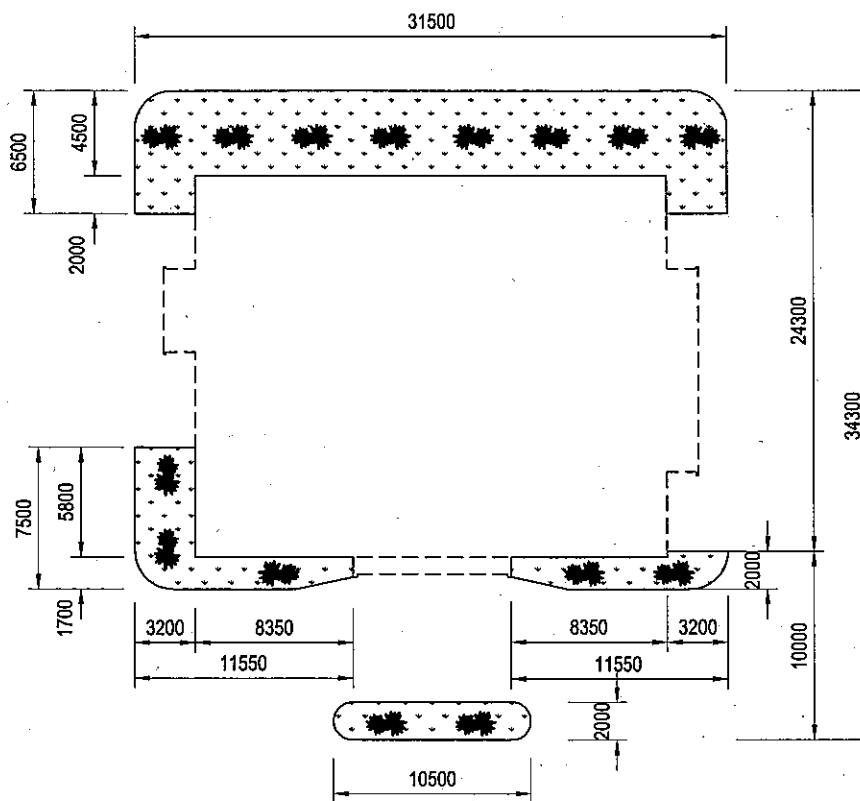
LOCATION	TYPE	LE	LE1	LE2	LG1	LG2	LR	LF	REMARKS	SWITCH BOARD
MAIN GATE	A	50.60	27.37	22.27	28.50	23.50	103.20	104.00	DOUBLE GATE	LP-SCRT-1
PMB MAIN OFFICE	B	6.00	6.00	-	8.00	-	15.00	16.00	SINGLE GATE	LP-PMBC-G

- NOTES:**
1. THE DIMENSIONS OF STEEL MATERIALS (ex. TCVN 1655-75) AND CONCRETE FOUNDATION ARE FOR REFERENCE ONLY.
 2. DETAILS OF STEEL MATERIALS ARRANGEMENTS OF GATE, CONCRETE FOUNDATIONS AND ELECTRICAL SYSTEMS SHALL BE PROPOSED BY THE CONTRACTOR.
 3. IN CASE THAT PROPOSED PHOTOELECTRIC SYSTEM (PHOTOCELL) CAN BE WORKED FOR MORE THAN 50.6M (WIDTH OF ENTRANCE), CENTRAL CONCRETE POLE SHALL NOT BE REQUIRED.

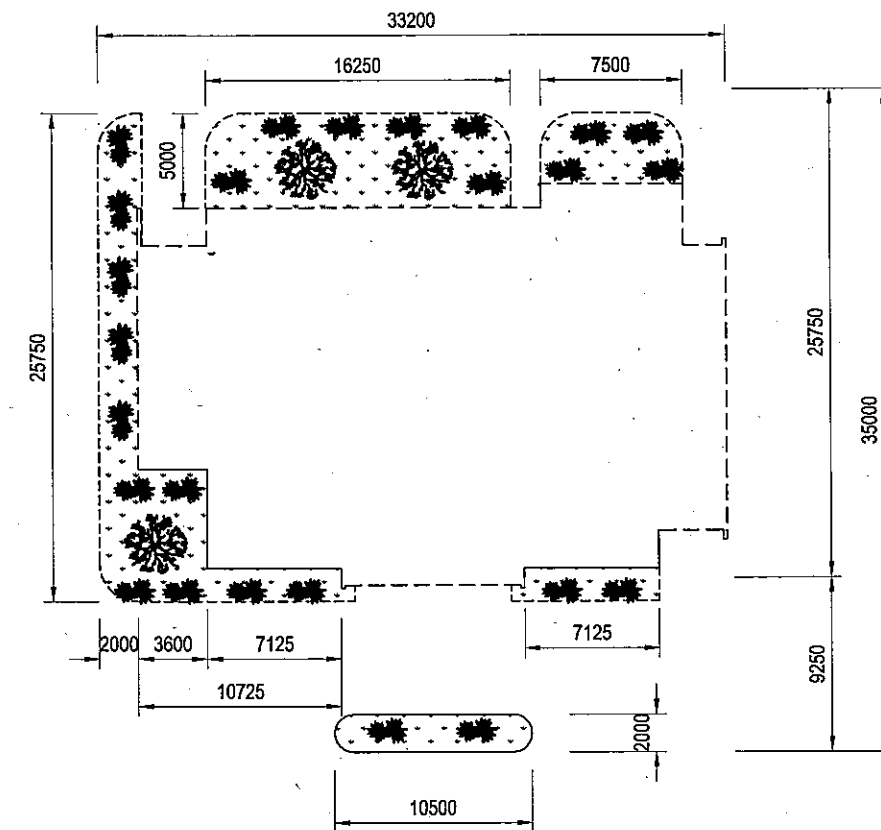
THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85		CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT		DESIGNED BY: SAKURAI H. DRAWN BY: MAI THUONG THIN CHECKED BY: NAGAO N. APPROVED BY: NAGAI K. ISSUE DATE: 10/JAN/2006 SCALE: SCALE		SECTION: CIVIL WORKS SUB-SECTION: SECURITY FENCE, GATE AND CURB TITLE OF DRAWING: LAYOUT AND DETAILS OF SLIDING GATE	
JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)		PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA		DWG NO: PAC2-TV-FGC-004 REV. NO:			
REV NO	DATE	DESCRIPTION	BY	APP			



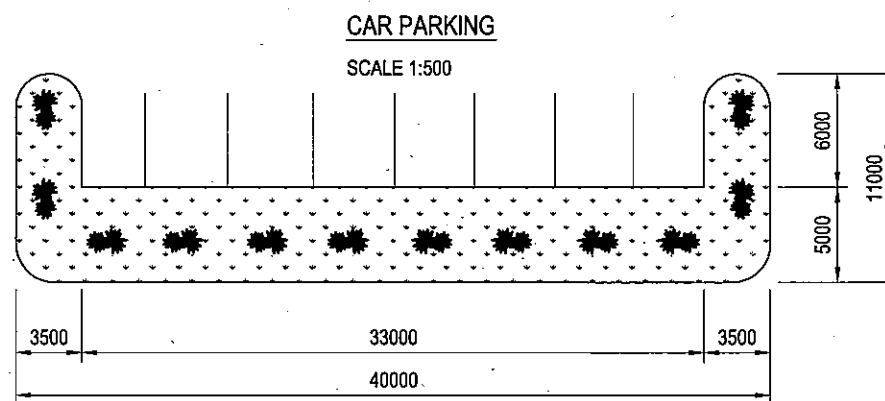
AMENITY BLOCK
SCALE 1:400



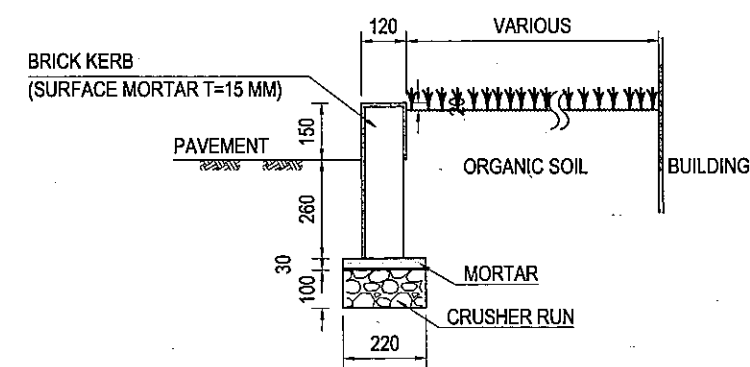
OPERATION
SCALE 1:400



BRANCH OFFICE
SCALE 1:400




CAR PARKING
SCALE 1:500




DETAILS OF BRICK KERB
SCALE: 1:20

LEGEND:


 GRASS SODDING

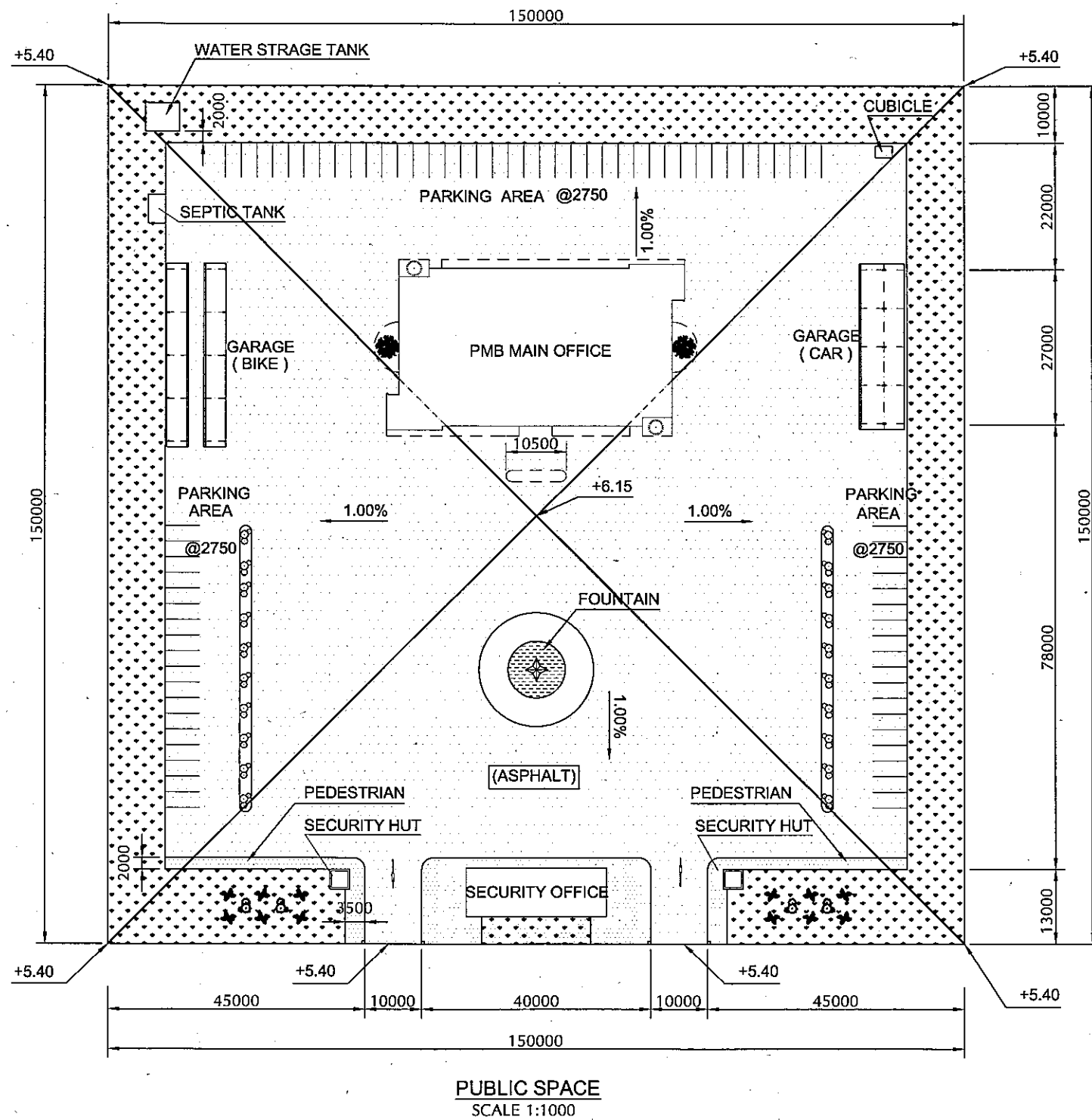
 SHRUB

 TREE

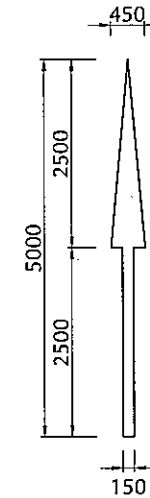
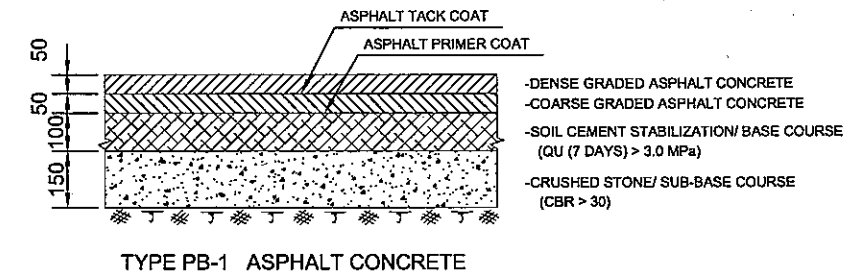
GENERAL PLAN FOR LANDSCAPE
(FOR REFERENCE)

NOTE: DETAILS OF ARRANGEMENTS FOR LANDSCAPE SHALL BE PROPOSED BY THE CONTRACTOR

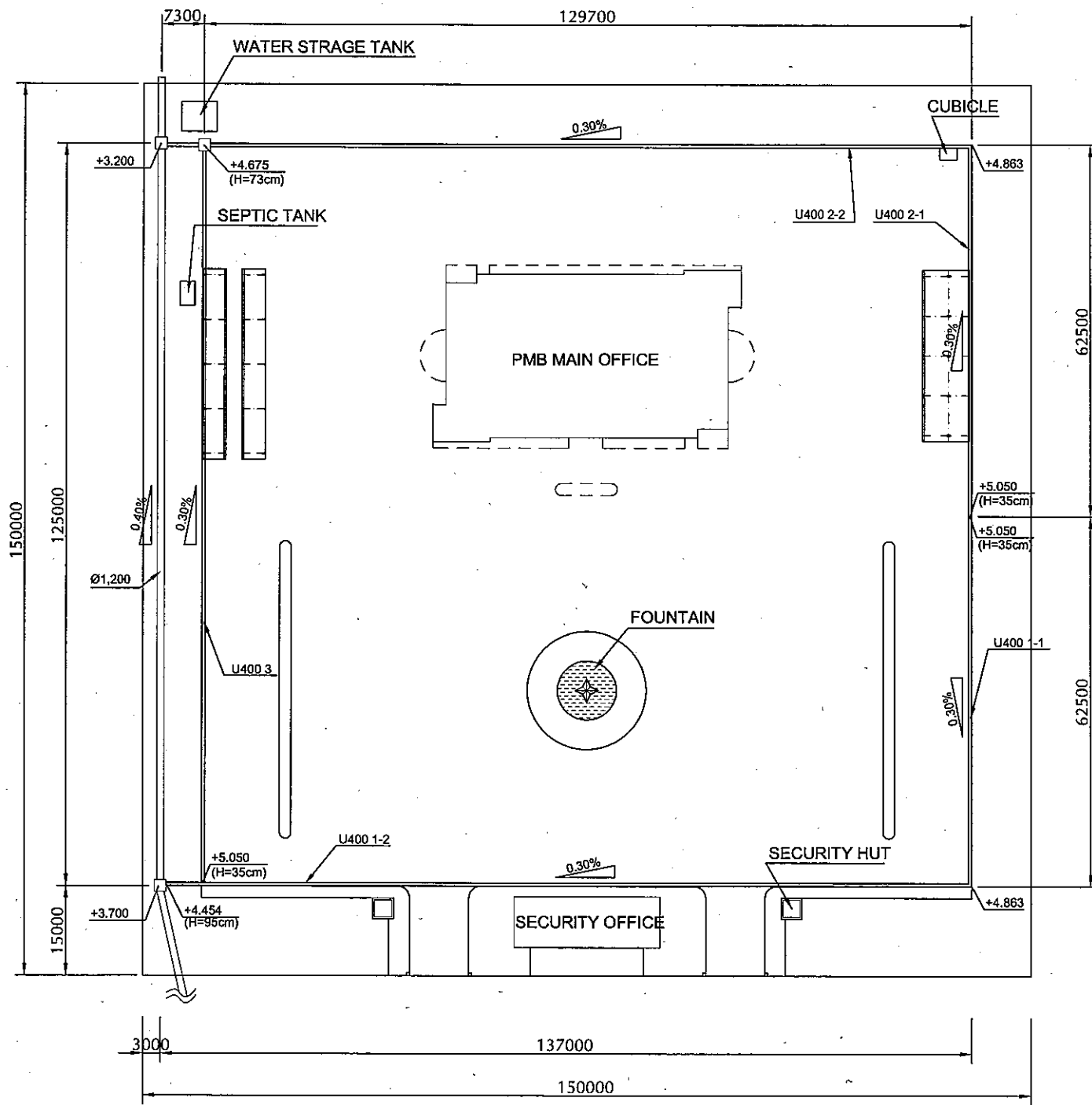
THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85					CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT		DESIGNED BY: SAKURAI H. DRAWN BY: TRAN TRONG VU CHECKED BY: NAGAO N.		SECTION: SUB-SECTION: TITLE OF DRAWING:	
					PACKAGE 2 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR THI VAI AREA		APPROVED BY: NAGAI K. ISSUE DATE: 30/SEP/2005 SCALE: 1:400 1:20		CIVIL WORKS LANDSCAPE GENERAL PLAN	
REV NO	DATE	DESCRIPTION	BY	APP			DWG NO:		PAC2-TV-LAS-001	
									REV. NO	



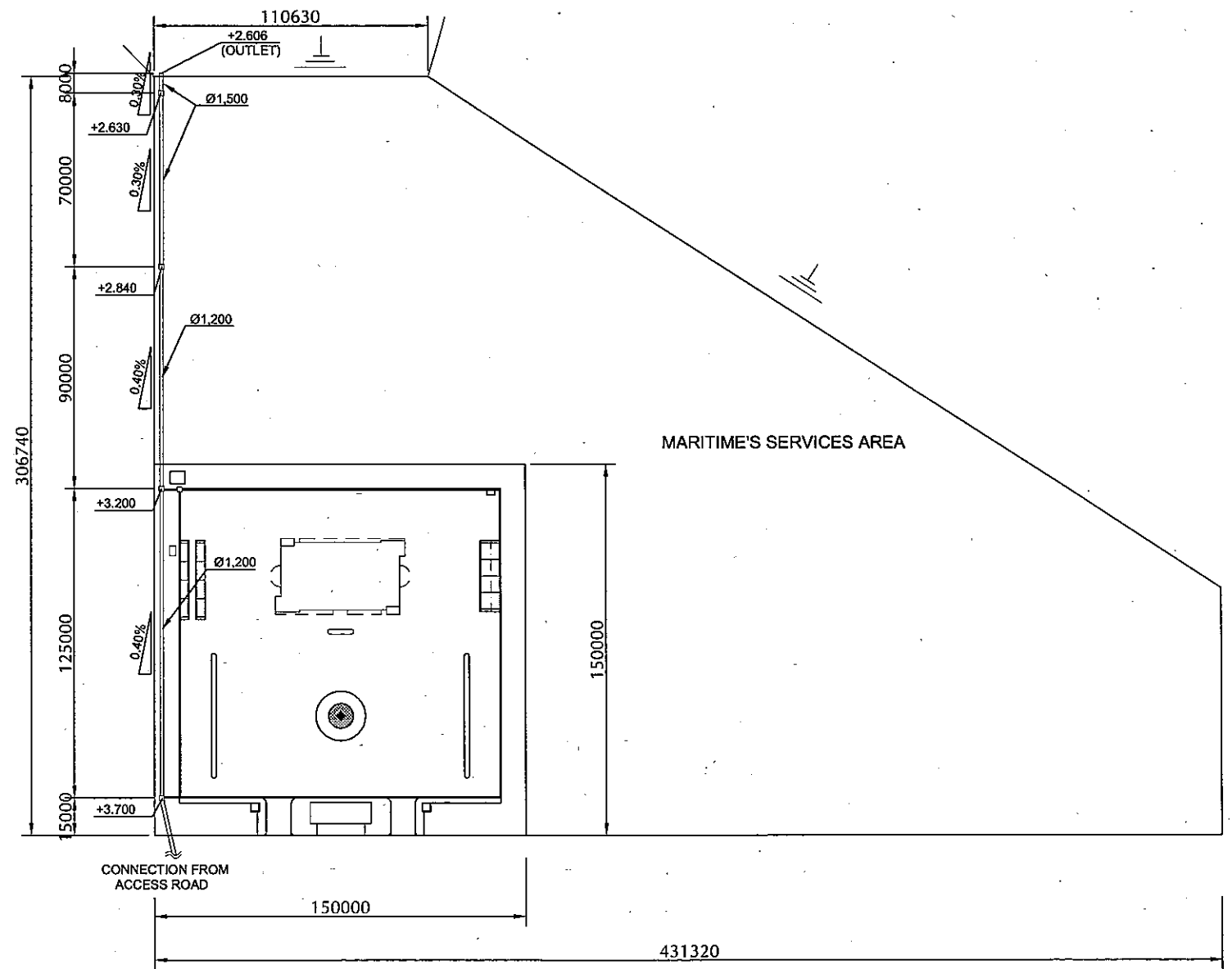
TYPICAL CROSS SECTION OF PAVEMENT
SCALE 1:20



	THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85	CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT	DESIGNED BY: SAKURAI H. DRAWN BY: MAI THUONG THIN CHECKED BY: NAGAO K. APPROVED BY: NAGAI K. ISSUE DATE: 10/JAN/2006 SCALE: 1:1000	SECTION: CIVIL WORKS SUB-SECTION: MARITIME'S SERVICES AREA TITLE OF DRAWING: GENERAL PLAN AND SECTION FOR PAVEMENT DWG NO: PAC2-TV-MSA-001	REV. NO DATE DESCRIPTION BY APP
		PACKAGE 1 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR CAI MEP AREA			

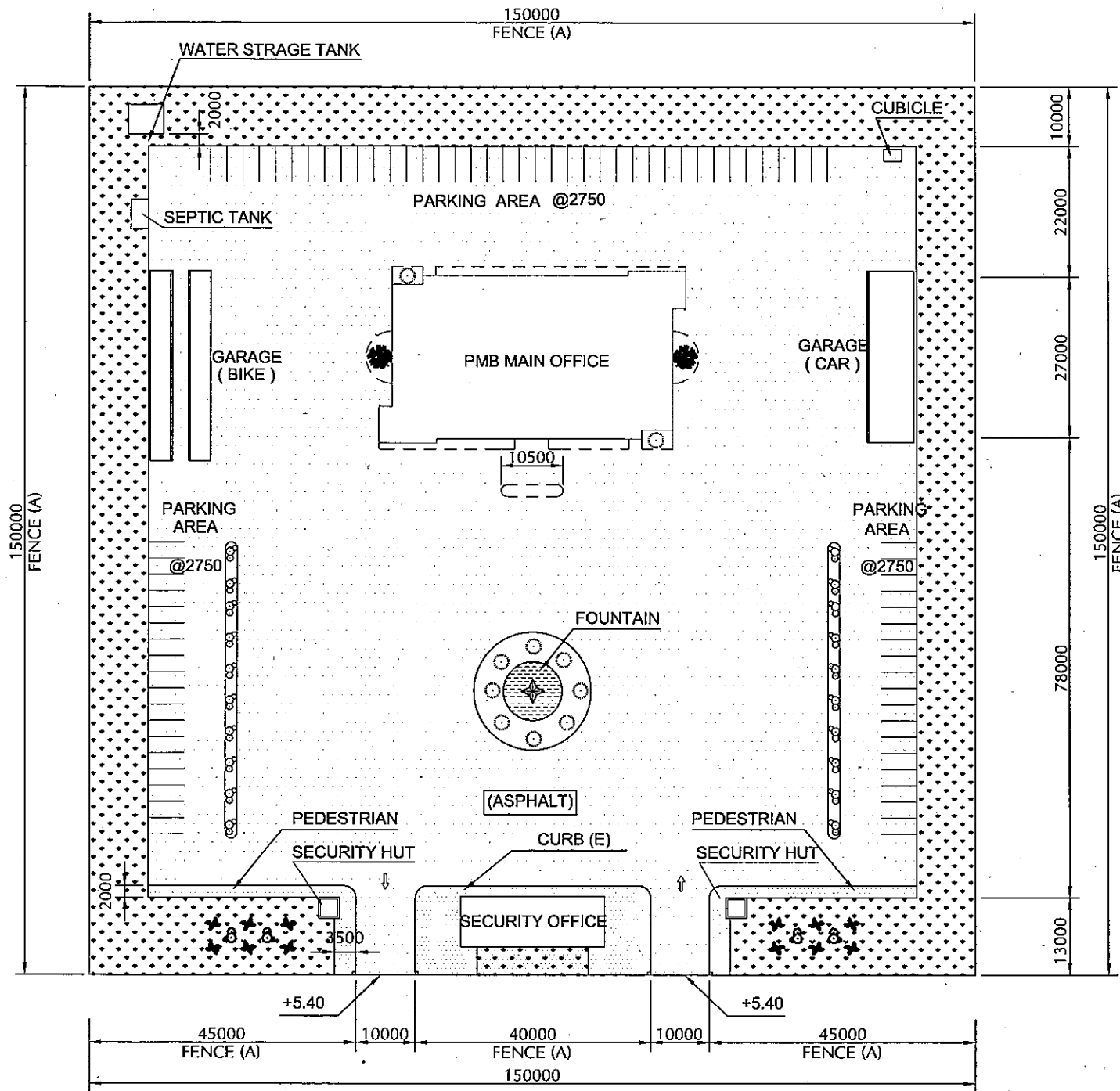


SCALE 1:1000

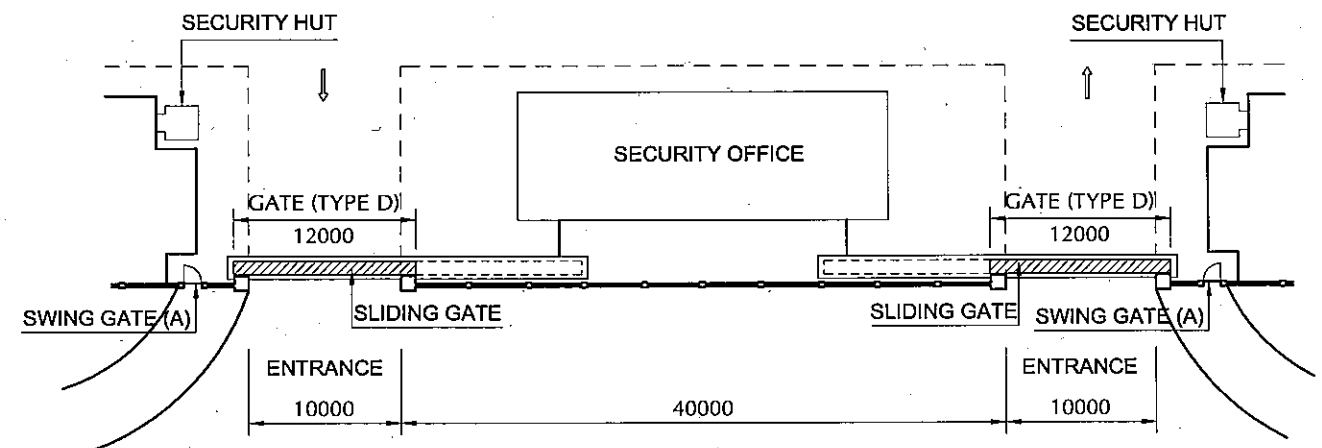


SCALE 1:2500

THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85					CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT					DESIGNED BY: SAKURAI H. DRAWN BY: MAI THUONG THIN CHECKED BY: NAGAO N. APPROVED BY: NAGAI K. ISSUE DATE: 10/JAN/2006 SCALE: SCALE		SECTION: CIVIL WORKS SUB-SECTION: MARITIME'S SERVICES AREA TITLE OF DRAWING: PLAN AND TYPICAL SECTION OF PIPE CULVERT, U-TRENCH DWG NO: PAC2-TV-MSA-002 REV. NO	
JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)					PACKAGE 1 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR CAI MEP AREA								
REV NO	DATE	DESCRIPTION	BY	APP									



PUBLIC SPACE
SCALE 1:1000



PMB MAIN OFFICE
SCALE 1:500

REV NO	DATE	DESCRIPTION	BY	APP

THE SOCIALIST REPUBLIC OF VIETNAM
 MINISTRY OF TRANSPORT
 PROJECT MANAGEMENT UNIT 85

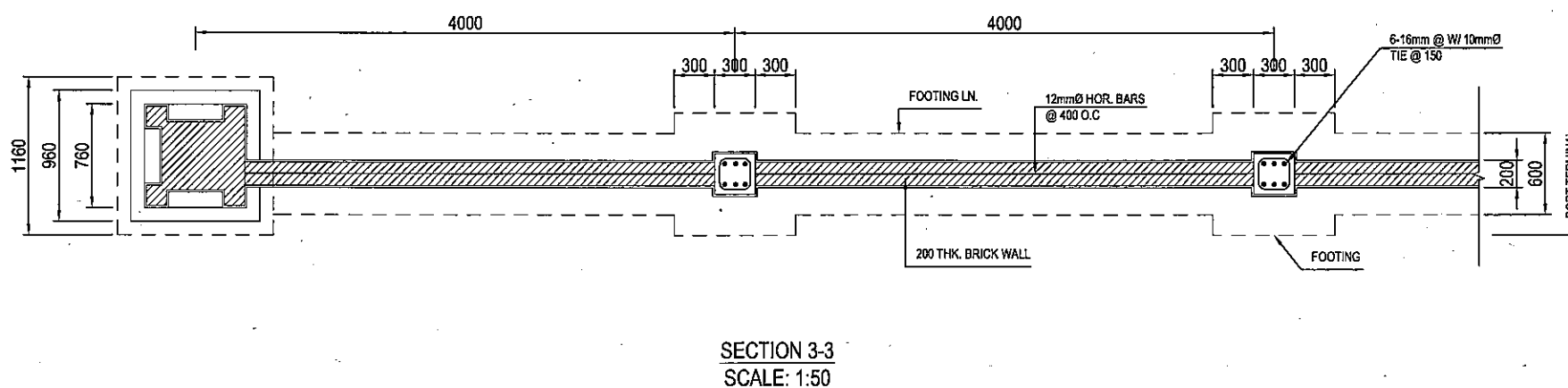
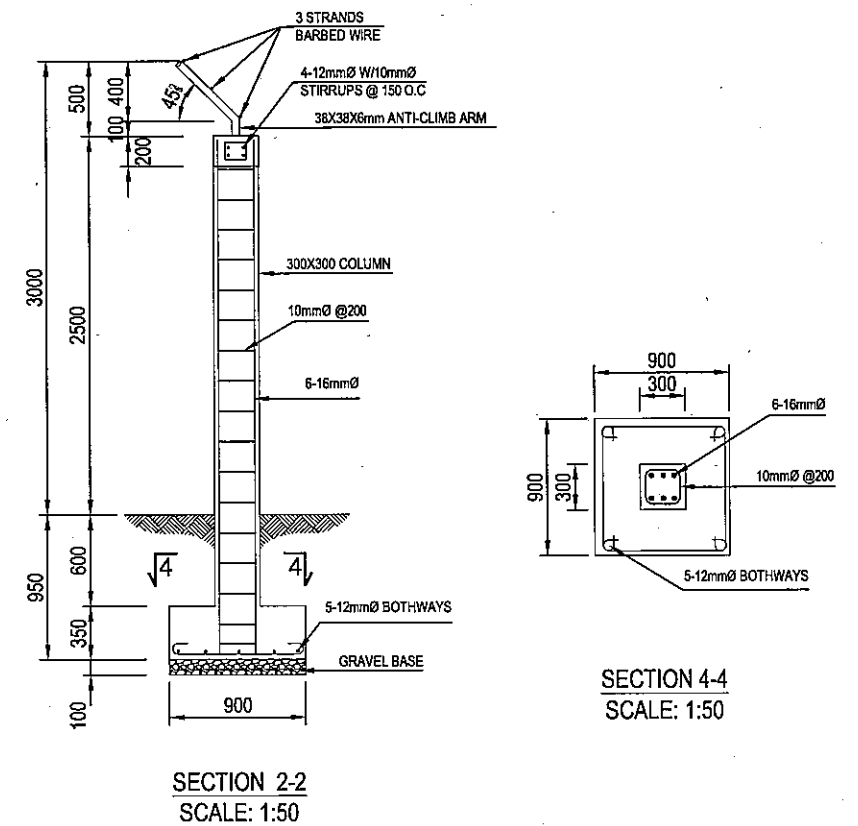
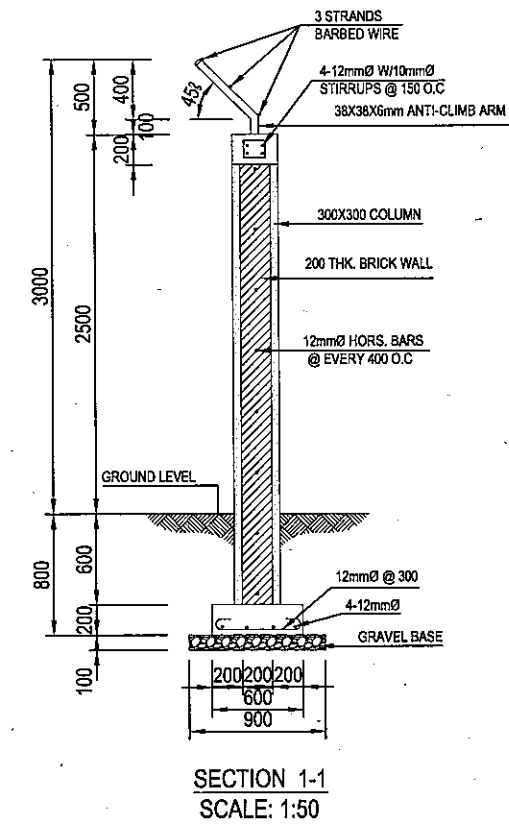
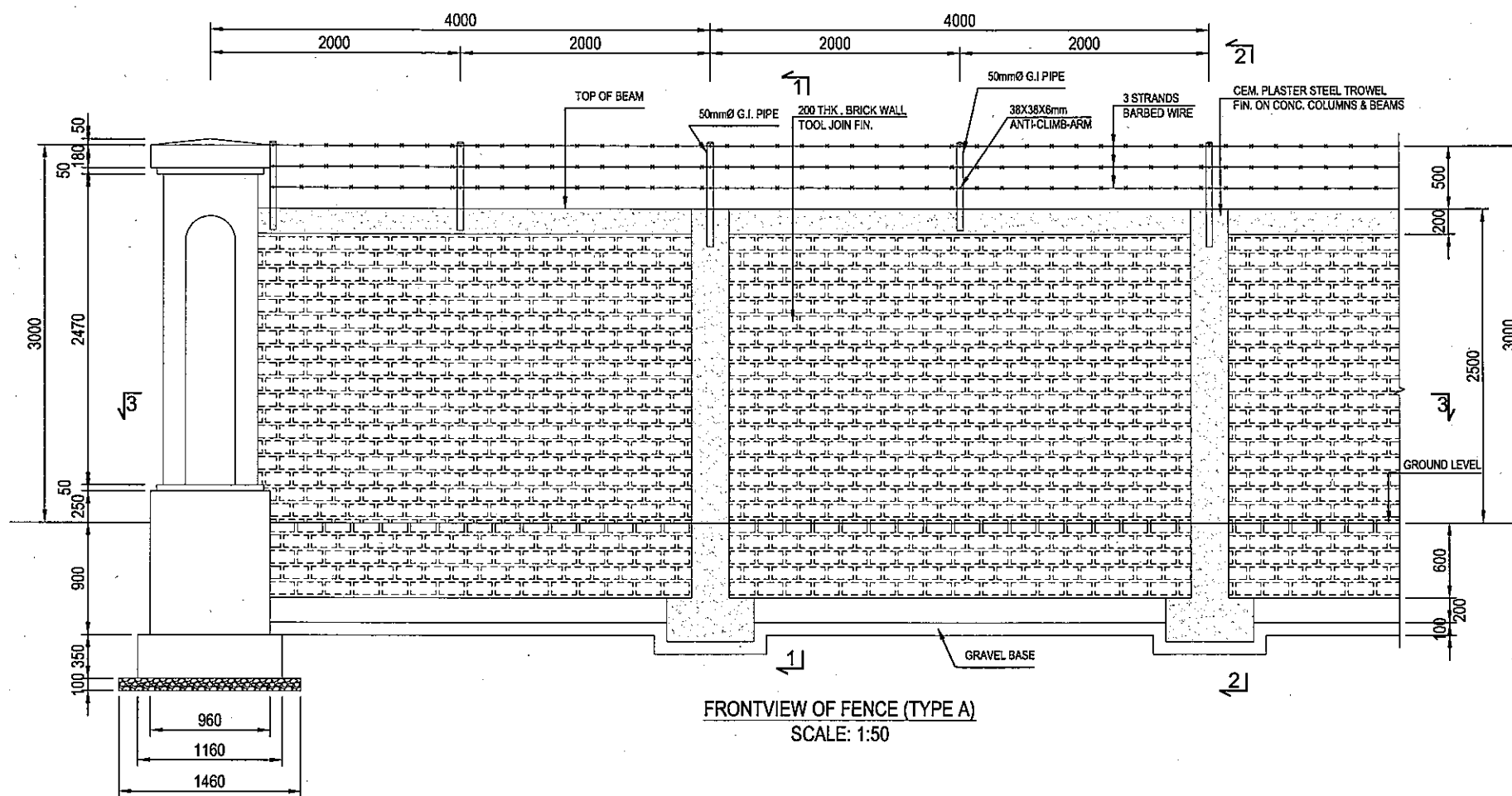
JAPAN INTERNATIONAL COOPERATION AGENCY
 ASSIGNED TO:
 JAPAN PORT CONSULTANT (JPC)
 PACIFIC CONSULTANTS INTERNATIONAL (PCI)
 INTERNATIONAL DEVELOPMENT SYSTEM (IDS)

CAI MEP - THI VAI INTERNATIONAL PORT
 DEVELOPMENT PROJECT

PACKAGE 1
 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR
 CAI MEP AREA

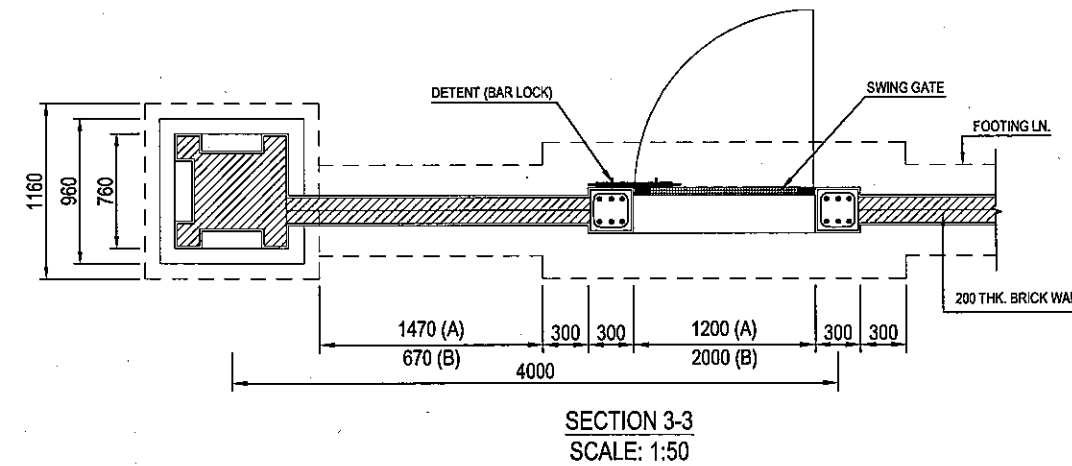
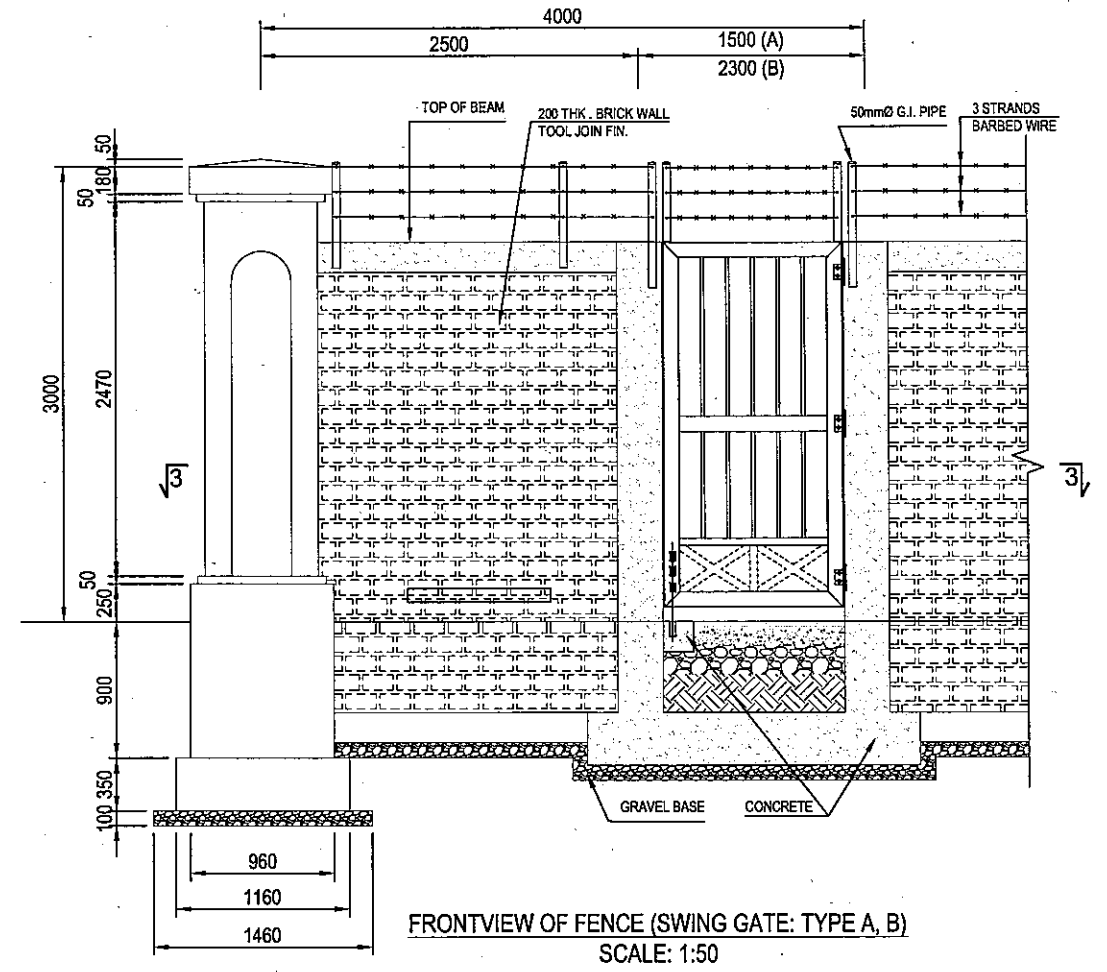
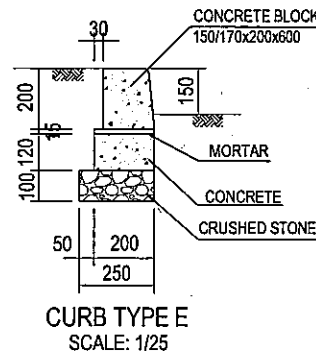
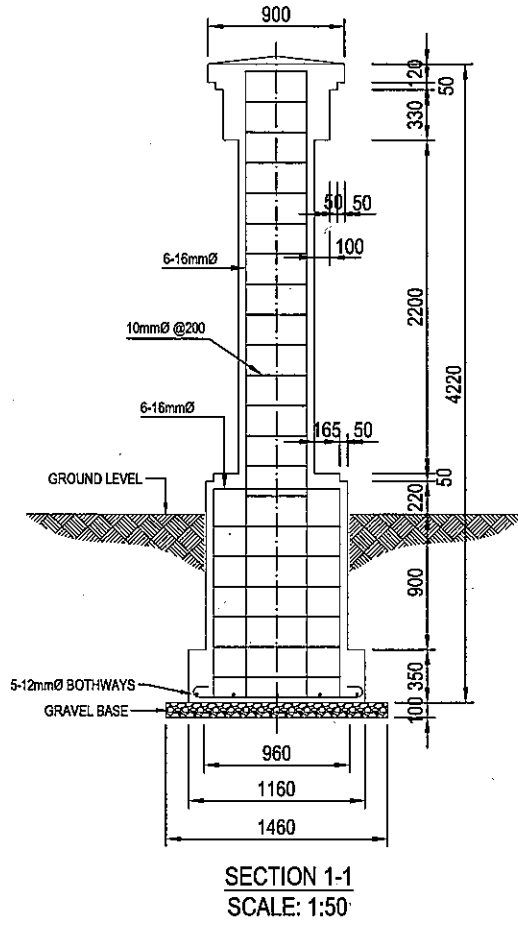
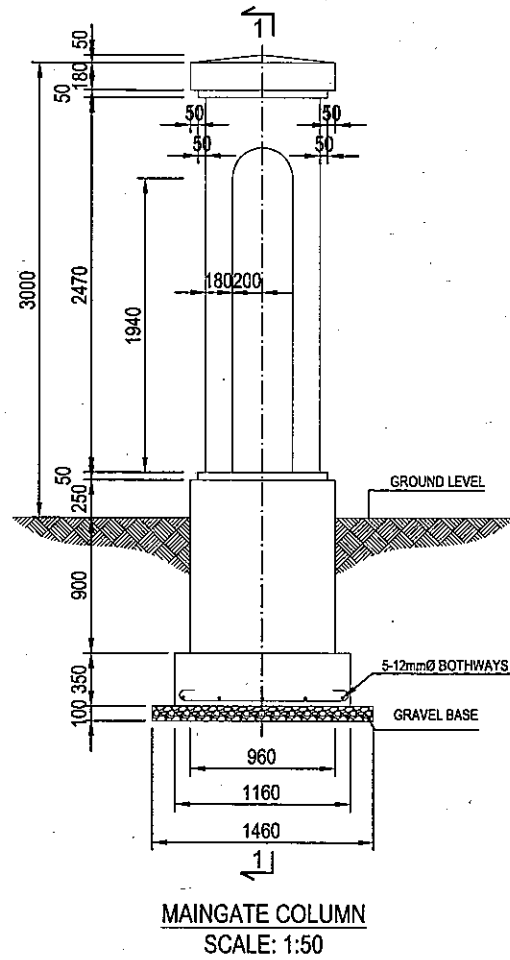
DESIGNED BY: SAKURAI H.
DRAWN BY: MAI THUONG THIN
CHECKED BY: NAGAO N.
APPROVED BY: NAGAI K.
ISSUE DATE: 10/JAN/2006
SCALE: 1:1000

SECTION: CIVIL WORKS
SUB-SECTION: MARITIME'S SERVICES AREA
TITLE OF DRAWING: GENERAL PLAN AND TYPICAL CROSS SECTION FOR PAVEMENT
DWG NO: PAC2-TV-MSA-003
REV. NO



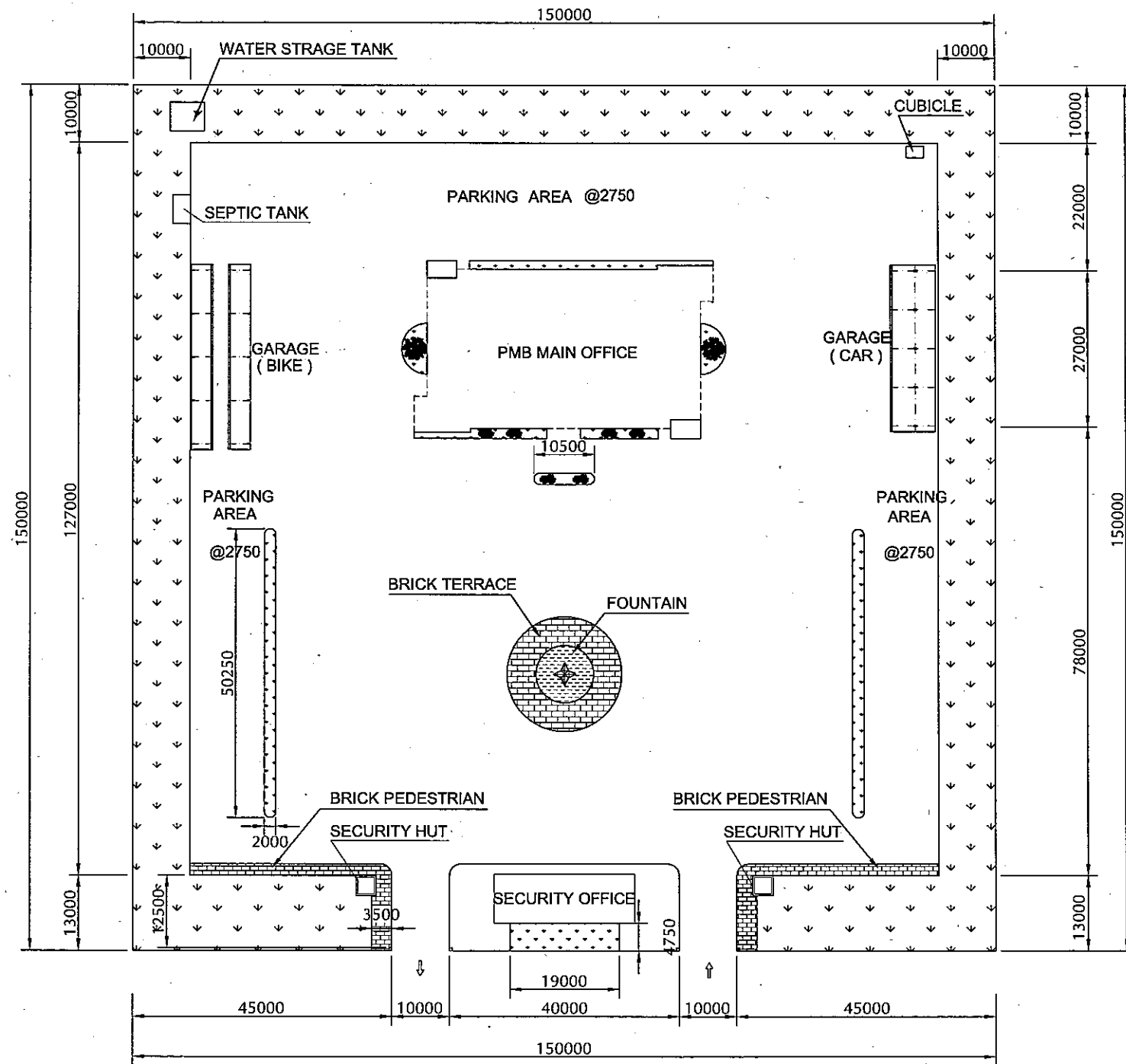
DETAILS OF FENCE (FOR REFERENCE)

<p>THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85</p>					<p>CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT</p>		<p>DESIGNED BY: SAKURAI H. DRAWN BY: MAI THUONG THIN CHECKED BY: NAGAO N. APPROVED BY: NAGAI K. ISSUE DATE: 10/JAN/2006 SCALE: 1:50</p>		<p>SECTION: SUB-SECTION: TITLE OF DRAWING: DWG NO: REV. NO.</p>	
<p>JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)</p>					<p>PACKAGE 1 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR CAI MEP AREA</p>		<p>CIVIL WORKS MARITIME'S SERVICES AREA DETAILS OF FENCE (1) PAC2-TV-MSA-004</p>			
REV NO	DATE	DESCRIPTION	BY	APP						

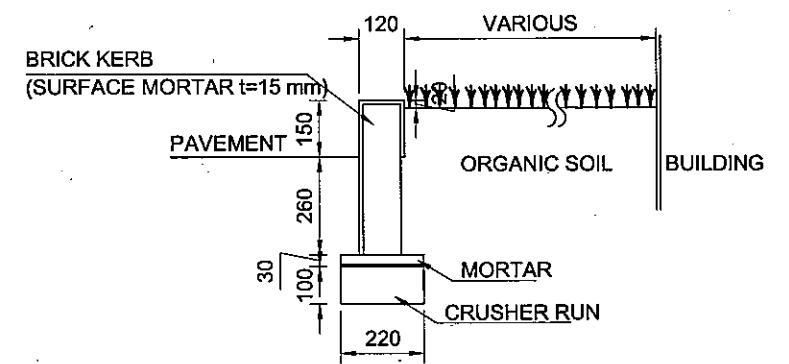


DETAILS OF FENCE AND CURB (FOR REFERENCE)

		THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85		CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT		DESIGNED BY: SAKURAI H. DRAWN BY: MAI THUONG THIN CHECKED BY: NAGAO N. APPROVED BY: NAGAI K. ISSUE DATE: 10/JAN/2006 SCALE: 1:50		SECTION: CIVIL WORKS SUB-SECTION: MARITIME'S SERVICES AREA TITLE OF DRAWING: DETAILS OF FENCE (2) DWG NO: PAC2-TV-MSA-005 REV. NO	
		JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)		PACKAGE 1 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR CAI MEP AREA					
REV NO	DATE	DESCRIPTION	BY	APP					






GENERAL PLAN FOR LANDSCAPE
(FOR REFERENCE)
SCALE 1:1000



DETAILS OF BRICK KERB
SCALE: 1:20

LEGEND:

-  GRASS SODDING
-  SHRUB
-  TREE

NOTE: DETAILS OF ARRANGEMENTS FOR LANDSCAPE SHALL BE PROPOSED BY THE CONTRACTOR

<p>THE SOCIALIST REPUBLIC OF VIETNAM MINISTRY OF TRANSPORT PROJECT MANAGEMENT UNIT 85</p>					<p>CAI MEP - THI VAI INTERNATIONAL PORT DEVELOPMENT PROJECT</p>		<p>DESIGNED BY: SAKURAI H. DRAWN BY: TRAN TRONG VU CHECKED BY: NAGAO N. APPROVED BY: NAGAI K. ISSUE DATE: 10/JAN/2005 SCALE: 1:1000 1:20</p>		<p>SECTION: CIVIL WORKS SUB-SECTION: MARITIME'S SERVICES AREA TITLE OF DRAWING: GENERAL PLAN FOR LANSCAPE DWG NO: PAC2-TV-MSA-006 REV. NO</p>	
<p>JICA JAPAN INTERNATIONAL COOPERATION AGENCY ASSIGNED TO: JAPAN PORT CONSULTANT (JPC) PACIFIC CONSULTANTS INTERNATIONAL (PCI) INTERNATIONAL DEVELOPMENT SYSTEM (IDS)</p>					<p>PACKAGE 1 CONSTRUCTION OF PORT FACILITIES AND BUILDINGS FOR CAI MEP AREA</p>					
REV NO	DATE	DESCRIPTION	BY	APP						