APPENDIX 9

Soil Investigation Data

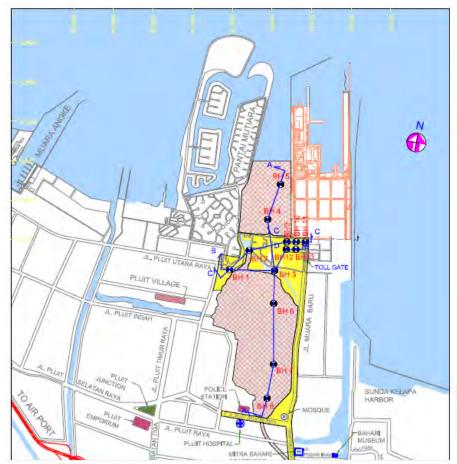


Fig. 9-1 Location of Soil Boring and Orientation of Soil Profiles

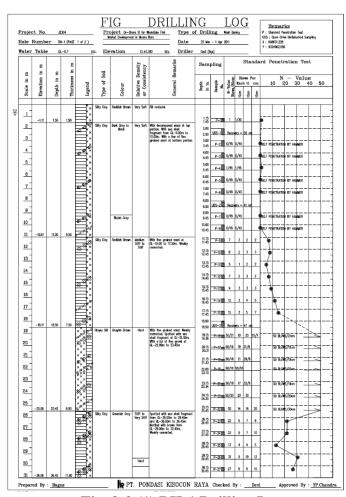


Fig. 9-2 (1) BH-1 Drilling Log

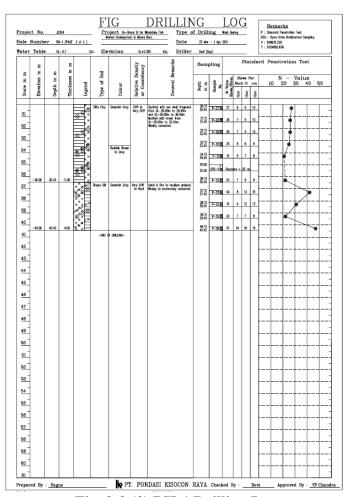


Fig. 9-2 (2) BH-1 Drilling Log

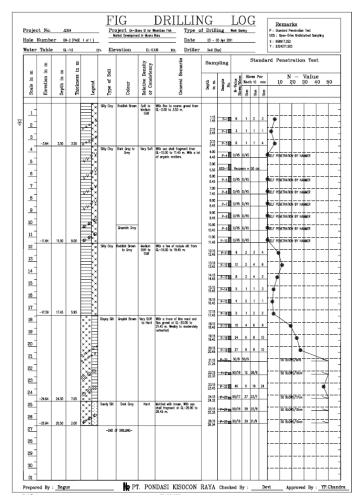


Fig. 9-3 BH-2 Drilling Log

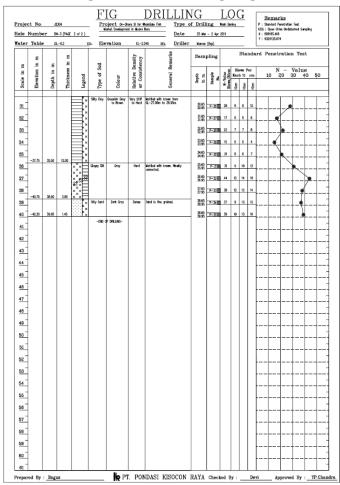


Fig. 9-4 BH-3 (2) Drilling Log

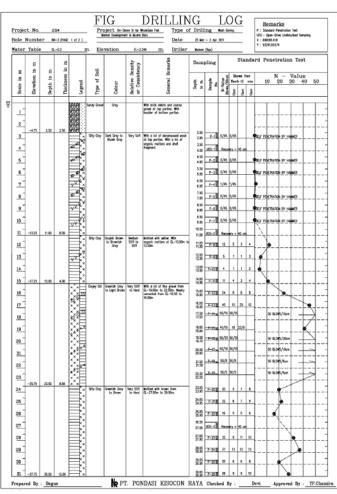


Fig. 9-4 BH-3 (1) Drilling Log

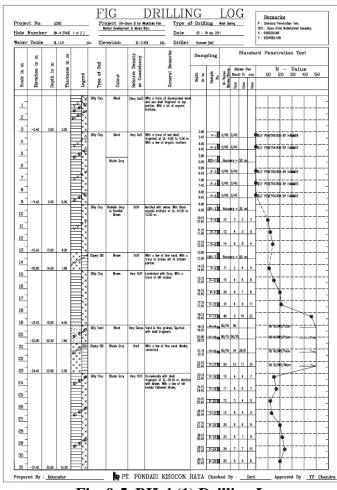


Fig. 9-5 BH-4 (1) Drilling Log

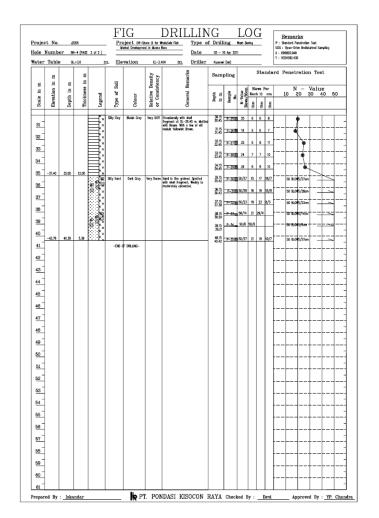


Fig. 9-5 BH-4 (2) Drilling Log

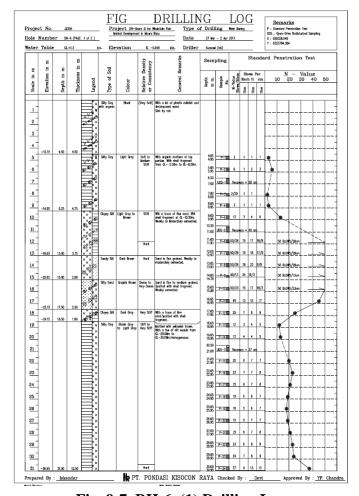


Fig. 9-7 BH-6 (1) Drilling Log

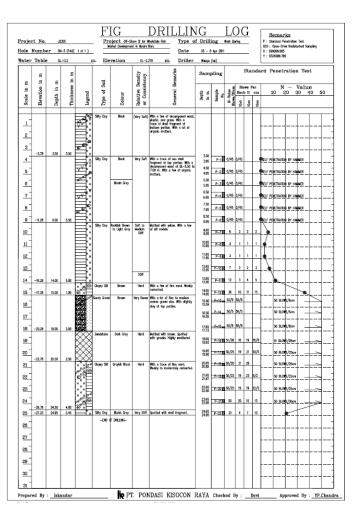


Fig. 9-6 BH-5 Drilling Log

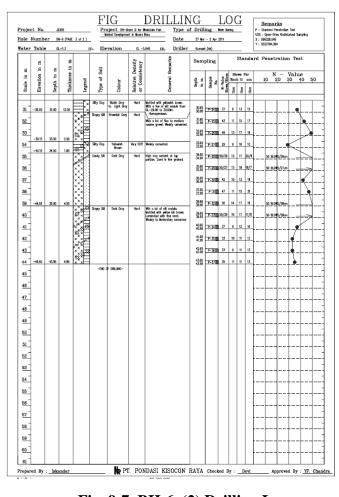
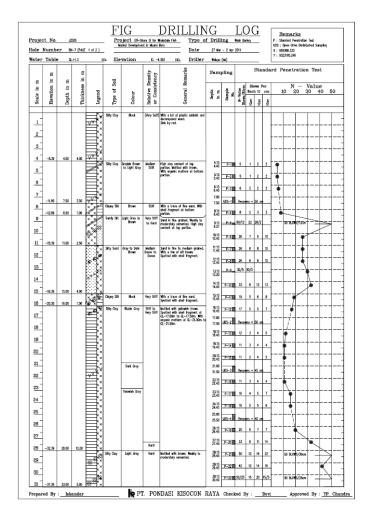


Fig. 9-7 BH-6 (2) Drilling Log



DRILLING FIG LOG Hole Number 88-7 (PAGE 2 of 2) Date 27 War - 2 Apr 2011 Water Table (L+1.3 Driller Walayo (bik) Type P-23 8 50/25 15 20 15/5 30.15 30.40 31.15 9.45 P-24 B 31 8 T 32 32.15 32.45 P-25 B 32 8 11 33 P-25 10 50/20 20 3 P-27 50/10 50/10 34 35.00 35.12 37 38.15 38.45 P-31 15 4 5 γV 40.15 P-33 23 7 7 41 41.15 41.45 P-34 III 26 7 9 42 42.15 42.45 P-35 28 8 10 1 G15 G16 F-X X X 8 10 46 47 50 51 58 59 60 PT. PONDASI KISOCON RAYA Checked By : Devi Prepared By : Iskandar

Fig. 9-8 BH-7 (1) Drilling Log

Fig. 9-8 BH-7 (2) Drilling Log DRILLING FIG DRILLING FIGType of Drilling Work Sorby Project Off-Store S for WholeSale Fish
Worket Development in Moore Baru Project Off-Share S for WholeSale Fish Worket Development in Wuora Baru Date 10 - 14 Apr 2011

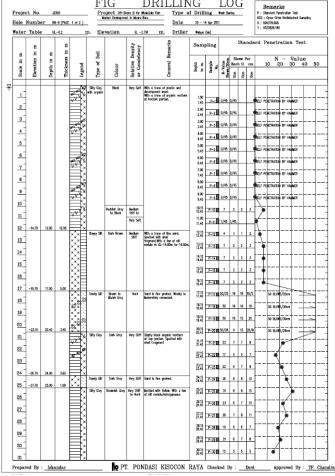


Fig. 9-9 BH-8 (1) Drilling Log

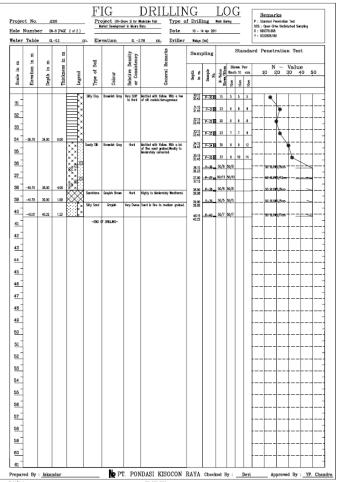


Fig. 9-9 BH-8 (2) Drilling Log

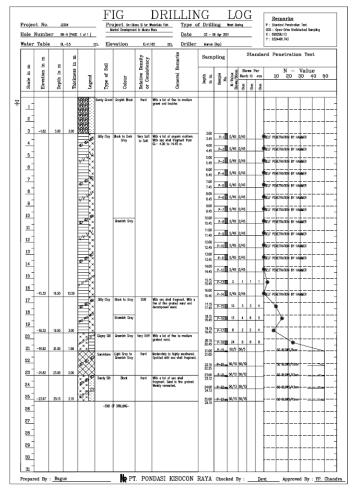


Fig. 9-10 BH-9 Drilling Log

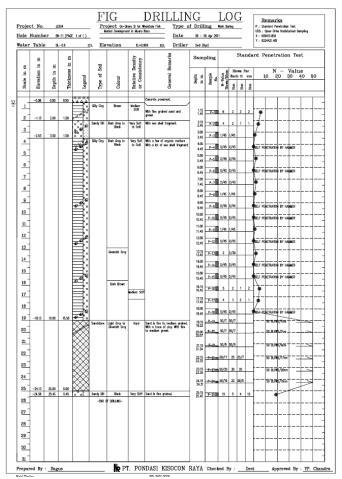


Fig. 9-12 BH-11 Drilling Log

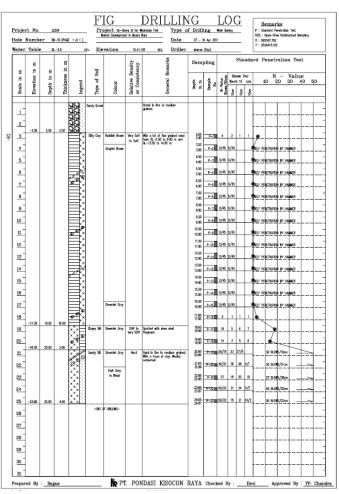


Fig. 9-11 BH-10 Drilling Log

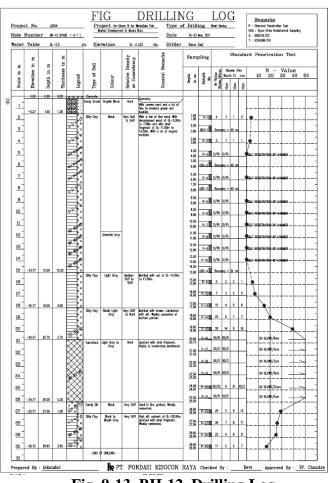


Fig. 9-13 BH-12 Drilling Log

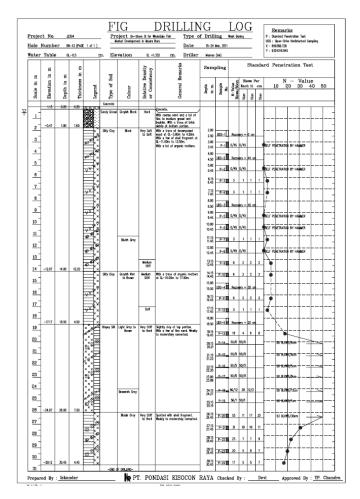


Fig. 9-14 BH-13 Drilling Log

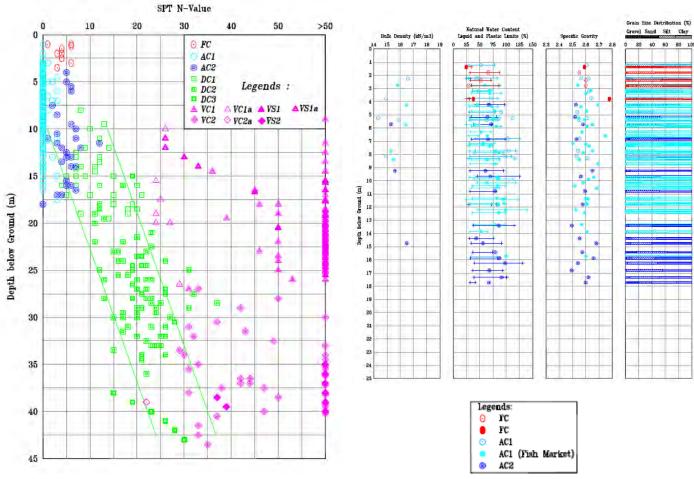


Fig. 9-15 Standard Penetration Test N-Value

Fig. 9-16 Index of Properties

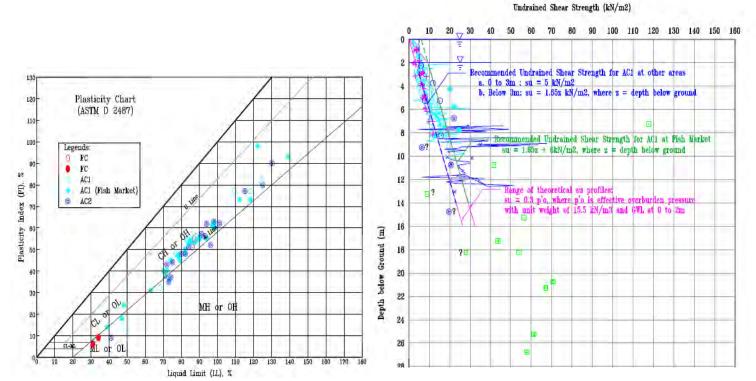


Fig. 9-17 Classification of Plasticity

Fig. 9-18 Undrained Shear Strengths

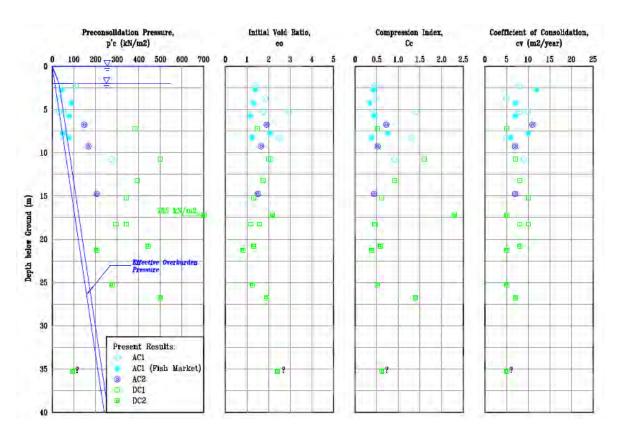
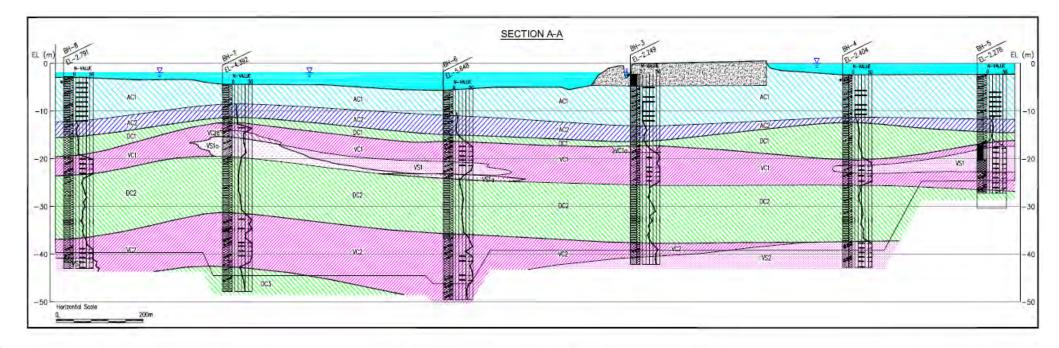
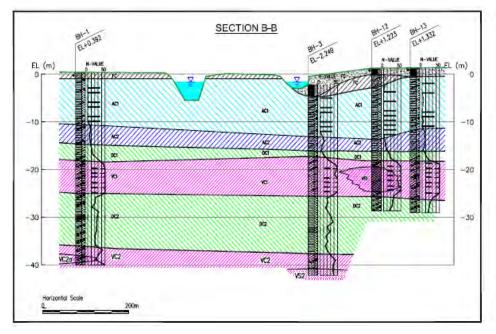


Fig. 9-19 Consolidation Properties of Soil





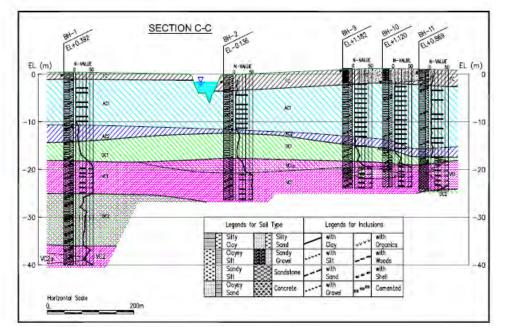


Fig. 9-20 Soil Profiles

APPENDIX 10

Water Quality Test Results



PEMERINTAH PROVINSI DAERAH KHUSUS IBUKOTA JAKARTA BADAN PENGELOLA LINGKUNGAN HIDUP DAERAH LABORATORIUM LINGKUNGAN HIDUP DAERAH

Jl. Casablanca Kav. 1 Kuningan Telp. 5209651 - 5209653, Fax. 52960584, e-mail : Ilhddkijakarta@yahoo.com JAKARTA

Kode Pos: 12950

No. Akreditasi: LP - 126 - IDN

LAPORAN HASIL UJI

Nomor Contoh

: 0344 - 0346/ LAB. 2G - LC/IV/2011

Contoh Dari

: OAFIC-JICA

Alamat

: Jalan Pelabuhan Perikanan Nizam Zachman, Gd Perum Cabang Lt II, Jakarta

Jenis Industri / Kegiatan

: Study Pasar Ikan

Tanggal Penerimaan Contoh

: 07 April 2011

Tanggal Pengujian Jenis Contoh

: 07 April 2011 - 18 April 2011

: Air Limbah

Tipe Lokasi

: Buangan Langsung Hasil Pencucian

No	Parameter	Satuan		Hasîl Uji		Baku Mutu	Metoda
			0344	0345	0346	Daku wutu	NICLOUG
1	BOD (20°C, 5 hari)	mg/L	1,588.60	1,594.00	1,067.00	75.0	SNI 6989.72:2009
2	COD (Dichromat)	mg/L	3,096.77	3,870.97	4,645.16	100.0	SNI 6989.73:2009
3	Zat Padat Tersuspensi	mg/L	1,142.0	1,180.0	922.0	60.0	Spektrophotometer
4	Minyak dan Lemak	mg/L	16.82	< 1.13	1.75	5.0	Spektrophotometer
5	рН		6.5	6.5	6.4	6-9	SNI 06-6989.11-2004
6	Organik (KMnO ₄)	mg/L	2.191.33	1,742.43	2,093.87	85.0	SNI 06-6989.22-2004

Keterangan:

0344 = JFP - OAFIC Jam 19.00 0345 = JFP - OAFIC Jam 21.00

0346 = JFP - OAFIC Jam 23.00

Baku Mutu sesuai Keputusan Gubernur Provinsi DKI Jakarta Nomor 582 Tahun 1995

Parameter yang tercetak tebal telah diakreditasi oleh KAN

19- Apric - 2011 Jakarta.

a.n. KEPALA LABORATORIUM LINGKUNGAN HIDUP DAERAH PROVINSI DKI JAKARTA

Seksi Laboratorium Pengujian,

WATIS, ST

Catatan: 1. Laporan hasii uii hanya berhubungan dengan contoh yang diuli

2. Laporan hasil uji tidak boleh digandakan kecuali seluruhnya, tanpa persetujuan tertulis dari laboratorium

DP/5.10.5/SMM-LL; Rev 1; 01 Februari 2006



Mari bersama memasyarakatkan penggunaan produk Industri Daur Ulang

Table 10-1 Result of Water Quality Test Conducted by the Team

1. Test Result of Water quality (Apr 11, 2011, PM 4:00)

(1) Sampling point of sea water (Sea side of East Breakwater near East Revetment)

pН	Conductivity	Turbidity	Dissolved Oxygen	Temperature	Salt	TDS	Specific Gravity
(pH)	(S/m)	(mg/l)	(mg/l)	(Degree. C)	%	(g/l)	(1/1,000+1)
7.92	4.9	33	6.2	28.7	3.2	30	20

(2) Sampling point of sea water (Sea side, at the corner of West Breakwater)

pН	Conductivity	Turbidity	Dissolved Oxygen	Temperature	Salt	TDS	Specific Gravity
(pH)	(S/m)	(mg/l)	(mg/l)	(Degree. C)	%	(g/l)	(1/1,000+1)
7.3	6.6	-	3.5	29.1	3.2	34.8	24.3

(3) Sampling point of sea water (Sea side of West Revetment near Sewage Treatment Plant)

pН	Conductivity	Turbidity	Dissolved Oxygen	Temperature	Salt	TDS	Specific Gravity
(pH)	(S/m)	(mg/l)	(mg/l)	(Degree. C)	%	(g/l)	(1/1,000+1)
7.45	4.4	35	3.5	29.2	2.6	26.5	17.0

TDS: Total Dissolved Solids

2. Test Result of Water quality (Apr 12, 2011, AM 10:20)

(1) Sampling point of sea water (Sea side of East Breakwater near East Revetment)

pН	Conductivity	Turbidity	Dissolved Oxygen	Temperature	Salt	TDS	Specific Gravity
(pH)	(S/m)	(mg/l)	(mg/l)	(Degree. C)	%	(g/l)	(1/1,000+1)
8.1	5	23	8	29.2	3.3	30	20

(2) Sampling point of sea water (Sea side, at the corner of West Breakwater)

pН	Conductivity	Turbidity	Dissolved Oxygen	Temperature	Salt	TDS	Specific Gravity
(pH)	(S/m)	(mg/l)	(mg/l)	(Degree. C)	%	(g/l)	(1/1,000+1)
7.33	3.8	21	4.6	29.3	2.5	23.0	14.0

(3) Sampling point of sea water (Sea side of West Revetment near Sewage Treatment Plant)

pН	Conductivity	Turbidity	Dissolved Oxygen	Temperature	Salt	TDS	Specific Gravity
(pH)	(S/m)	(mg/l)	(mg/l)	(Degree. C)	%	(g/l)	(1/1,000+1)
7.2	4.2	37.0	3.7	29.1	2.9	27.0	18.0

(4) Sampling point of water (Mouth of PLUIT Pond)

pН	Conductivity	Turbidity	Dissolved Oxygen	Temperature	Salt	TDS	Specific Gravity
(pH)	(S/m)	(mg/l)	(mg/l)	(Degree. C)	%	(g/l)	(1/1,000+1)
7.23	0.2	35.0	5.3	29.3	0.1	1.5	0.0

(5) Sampling of water: Effluent water after Desalination treatment (Channel at WISMA MINA)

pН	Conductivity	Turbidity	Dissolved Oxygen	Temperature	Salt	TDS	Specific Gravity
(pH)	(S/m)	(mg/l)	(mg/l)	(Degree. C)	%	(g/l)	(1/1,000+1)
7.43	7.7	36.8	5.6	30.4	4.0	45.0	35.0

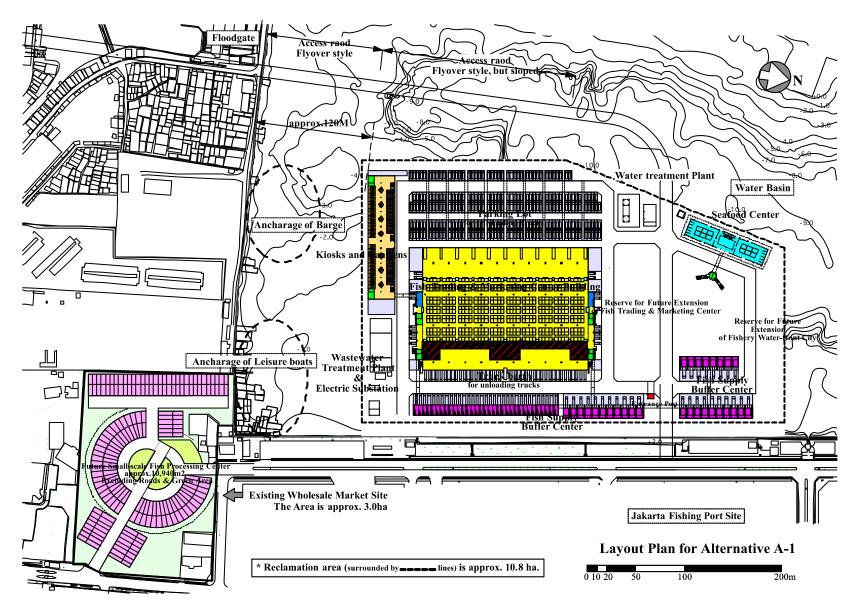
(6) Sampling of water: Drainage inside the existing Wholesale market

pН	Conductivity	Turbidity	Dissolved Oxygen	Temperature	Salt	TDS	Specific Gravity
(pH)	(S/m)	(mg/l)	(mg/l)	(Degree. C)	%	(g/l)	(1/1,000+1)
6.59	5.6	0.0	4.9	25.7	3.5	32.0	24.0

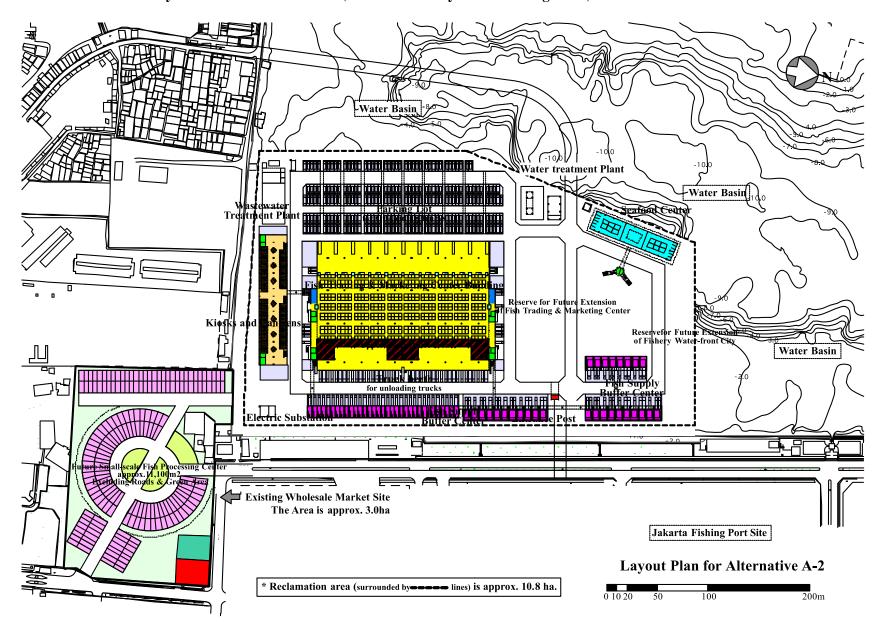
APPENDIX 11

Site Plans/Layout Plans (including alternative plans)

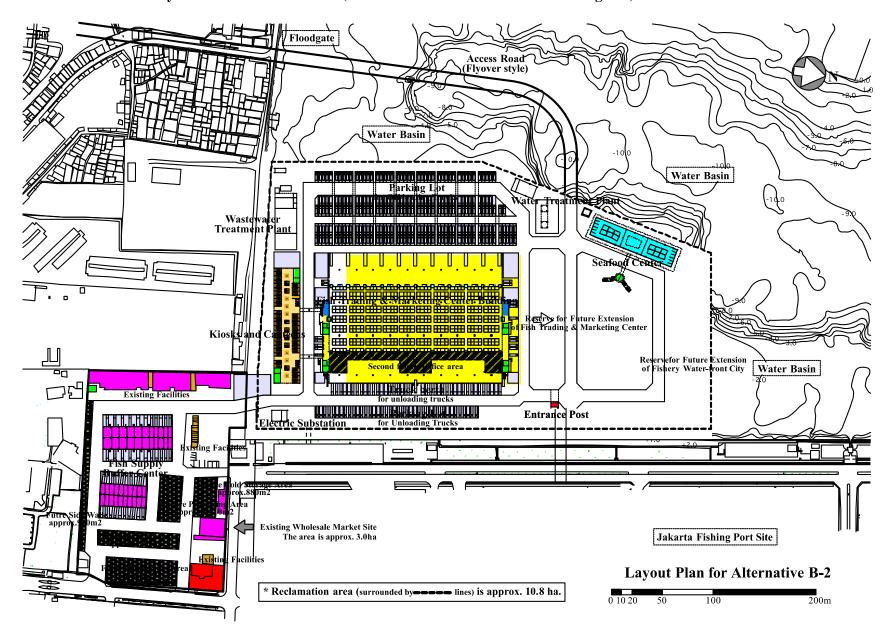
APPENDIX 11-1 Site Plan / Layout Plan – Alternative A-1 (Island Type Reclamation)



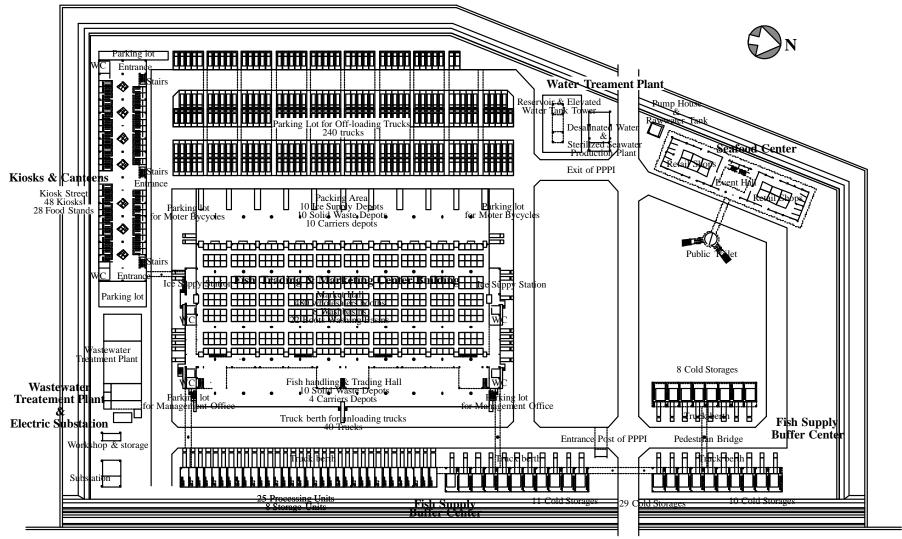
APPENDIX 11-2 Site Plan / Layout Plan – Alternative A-2 (Attached directly to the Existing Land)



APPENDIX 11-3 Site Plan / Layout Plan – Alternative B-2 (Combination Land Use with the Existing Site)



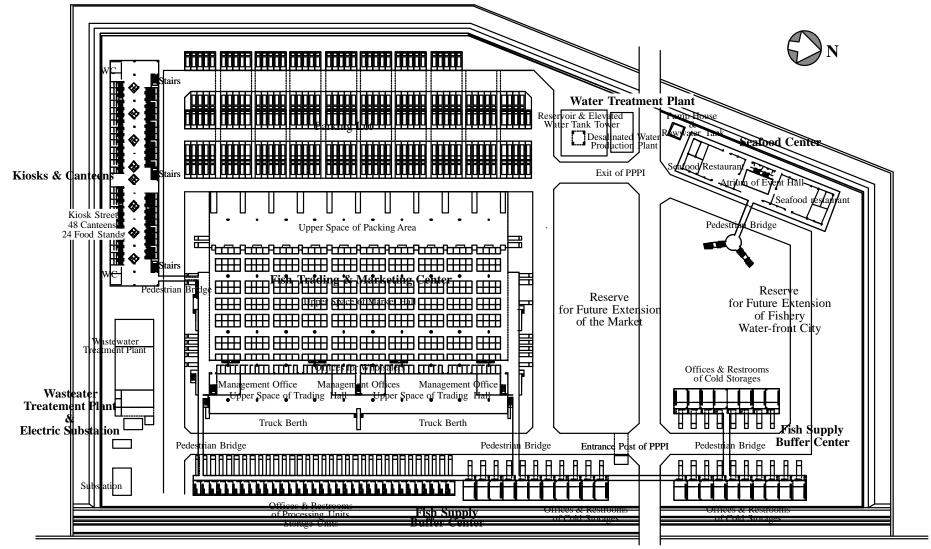
APPENDIX 11-4 Ground Floor Plan of the Facilities in Fish Trading & Marketing Center Complex (In the case of A-1)



Ground Floor Plan of the Facilities in the Fish Trading & Marketing Center Complex <A-1>

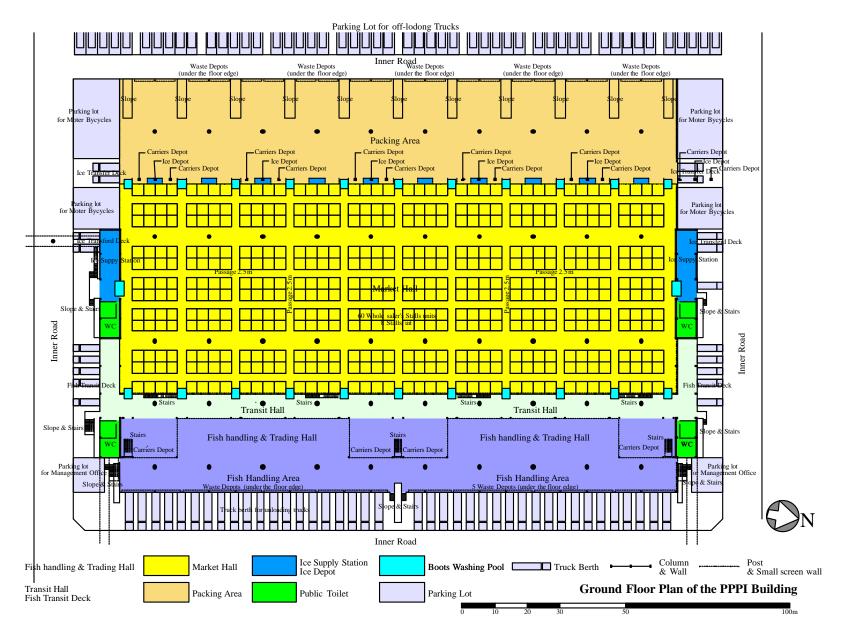
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APPENDIX 11-5 Second Floor Plan of the Facilities in Fish Trading & Marketing Center Complex (In the case of A-1)

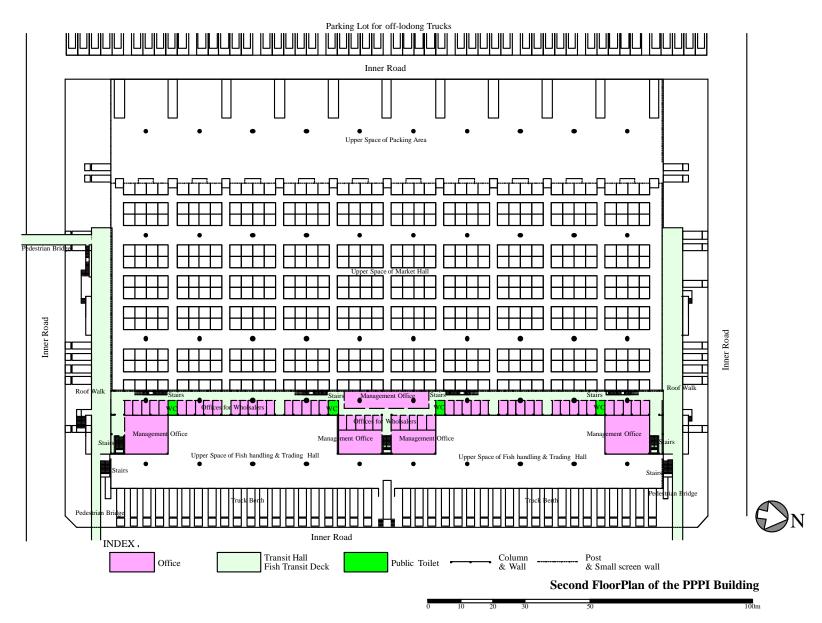


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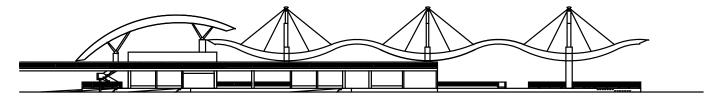
APPENDIX 11-6 Ground Floor Plan of PPPI (Fish Trading & Marketing Center)



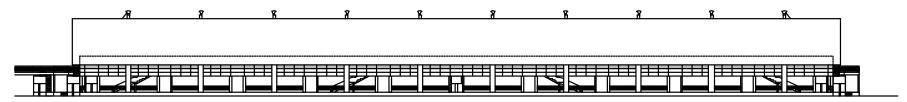
APPENDIX 11-7 Second Floor Plan of PPPI (Fish Trading & Marketing Center) Building



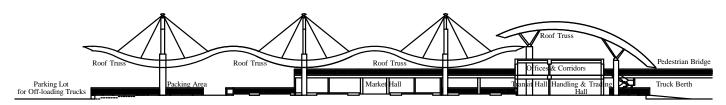
APPENDIX 11-8 Elevation and Sectional Plan of PPPI (Fish Trading & Marketing Center) Building



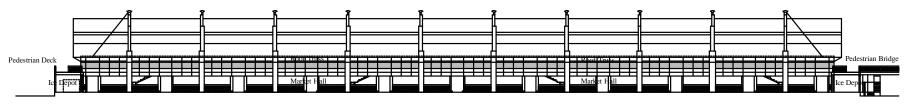
North Elevation



East Elevation



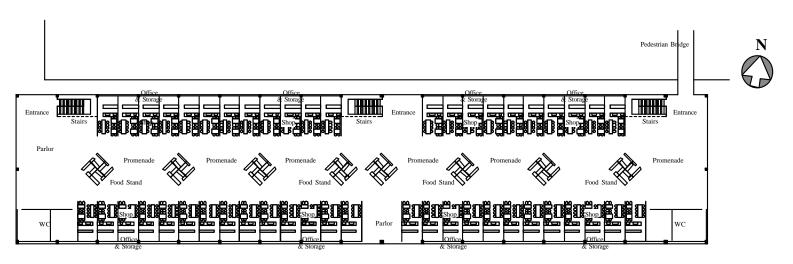
West-East Sectional Plan



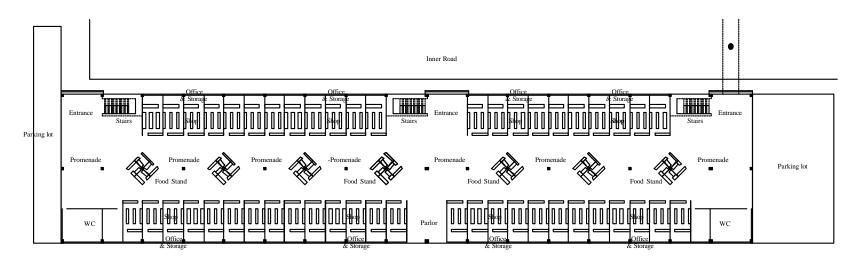
North-South Sectional Plan

Elevation and Sectional Plan of PPPI





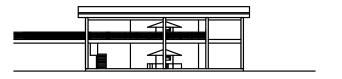
Second Floor Plan



Ground Floor Plan of Kiosks & Canteens



APPENDIX 11-10 **Elevation and Sectional Plan of Kiosks and Canteens**



West Elevation



North Elevation



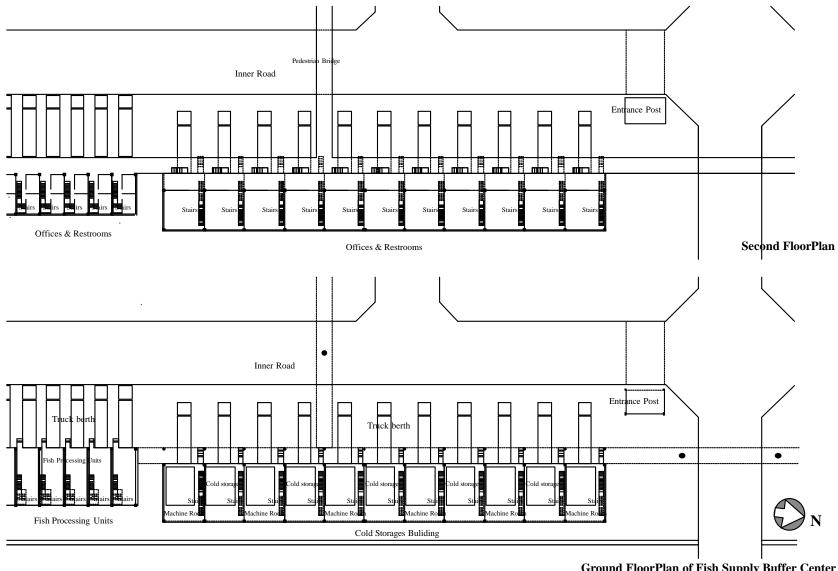
North -South Sectional Plan



West-East Sectional Plan



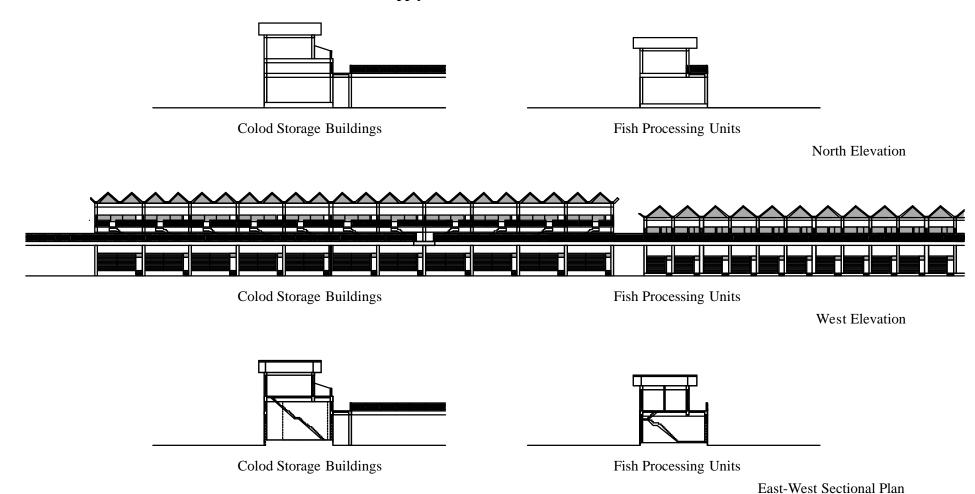
APPENDIX 11-11 Plan of Fish Supply Buffer Center

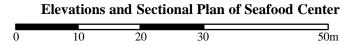


Ground FloorPlan of Fish Supply Buffer Center

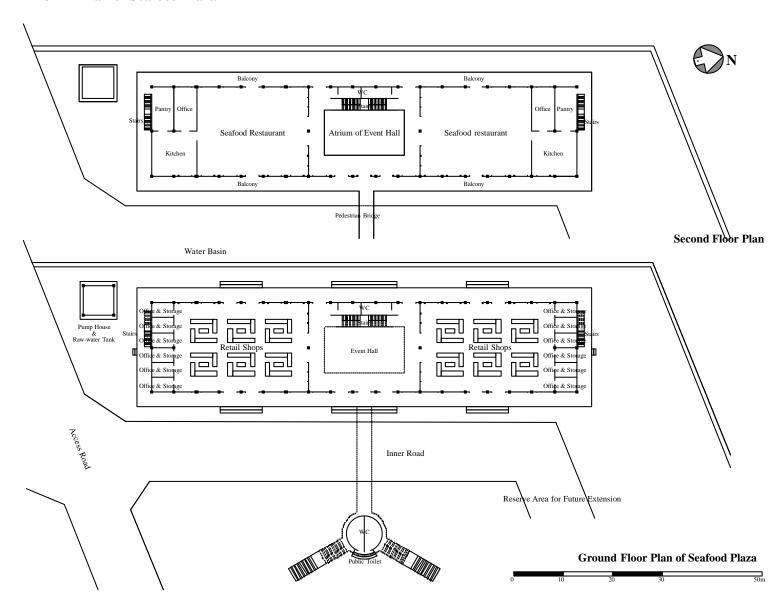


APPENDIX 11-12 Elevation and Sectional Plan of Fish Supply Buffer Center

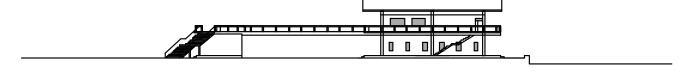




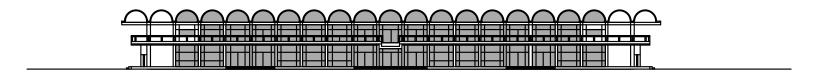
APPENDIX 11-13 Plan of Seafood Plaza



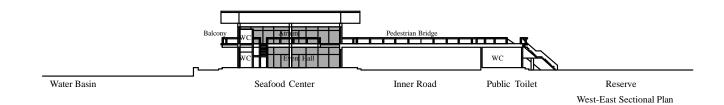
APPENDIX 11-14 Elevation and Sectional Plan of Seafood Plaza

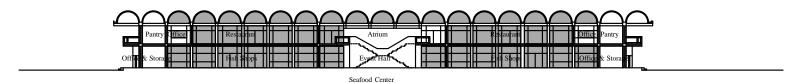


North Elevation



East Elevation



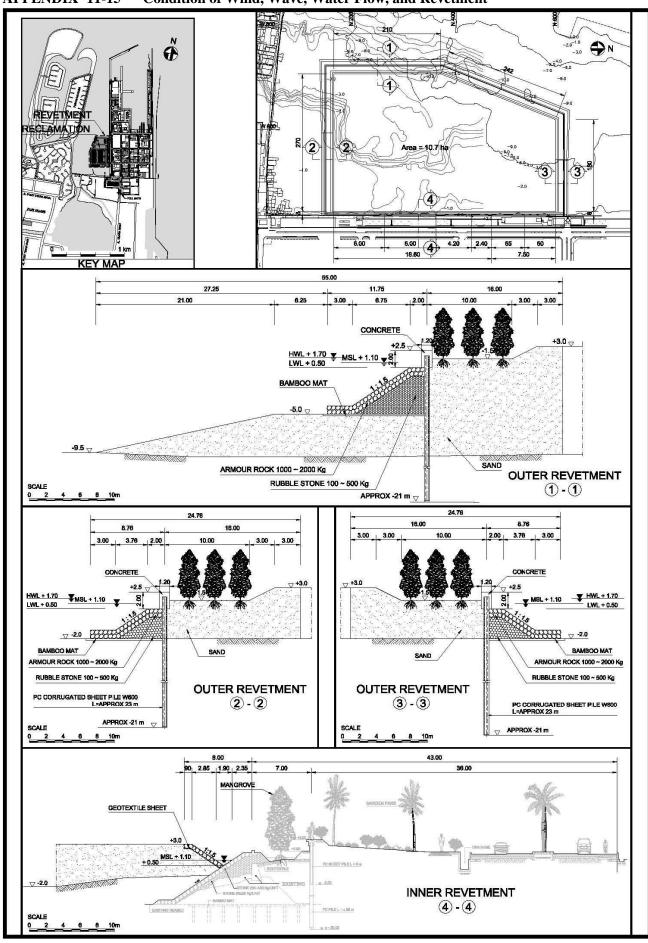


South-North Sectional Plan

Elevations and Sectional Plan of Seafood Plaza



APPENDIX 11-15 Condition of Wind, Wave, Water Flow, and Revetment



APPENDIX 11-16 Impact to Discharge Rainwater by Site Construction of Reclamation

In case of the rain, the rainwater is discharged to pump up from flood control gate area in Pluit Pond to sea. Those discharge rainwater speeds are about $11\text{m}^3/\text{sec}$ in the ordinary rain and about $34\text{m}^3/\text{sec}$ in the extraordinary rain. The existing width between the east seawall along Pantai Mutiara and the west seawall/breakwater along Jakarta Fishing Port is around 130m to 500m. In the site construction planning, the waterway of the reclamation side secures more than 200m in width. In this situation, water level fluctuation based on the influence of reclamation was confirmed by the calculation of non-uniform flow. The water level was calculated by computer program of HEC-RAS which was developed by US Army Corps of Engineers. In the results of computation, the level fluctuation was nothing, therefore, site construction of reclamation is not affected to the water level in waterway of the reclamation side.

1. Result of Calculation

(1)		(2) W.L.=1.7m < D Section >	(3) W.L.=0.5m < D Section >
(4)	Existing Section	(5) (Case1-1) (6) W.L.=1.7m on each section (A to D)	(7) (Case1-2) (8) W.L.=0.5m on each section (A to D)
(9)	Section after reclama tion	(10) (Case2-1) (11) W.L.=1.7m on each section (A to D)	(12) (Case2-2) (13) W.L.=0.5m on each section (A to D)

2. Outline of Calculation

Software of Calculation: Hydrologic Engineering Centers River Analysis System (HEC-RAS)

Applied Methodology: Calculation of non-uniform flow

Boundary Condition: Discharge volume from Pluit Pump Station: 34m³/s < A Section >

W.L.=1.7m (Maximum height) and 0.5m (Minimum height) < D Section >

Case of Calculation: 4 cases in above table

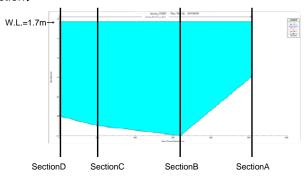
Roughness Coefficient: n=0.035

3. Outline of Calculation Result of Each Cases

(Case1-1)

Case 1-1	XS	River Sta	Q Total	W.S. Elev	Vel Chnl	Flow Area	Top Width
			(m^3/s)	(m)	(m/s)	(m ²)	(m)
	SectionA	507	34	1.7	0.02	2040.06	502.99
	SectionB	320	34	1.7	0.01	2850.39	488.07
	SectionC	100	34	1.7	0.01	2758.38	412.81
	SectionD	0	34	1.7	0.02	2155.29	360.09

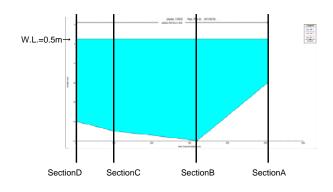
<Longitudinal Section>



(Case1-2)

Case 1-2	XS	River Sta	Q Total	W.S. Elev	Vel Chnl	Flow Area	Top Width
			(m ³ /s)	(m)	(m/s)	(m ²)	(m)
	SectionA	507	34	0.5	0.02	1436.49	502.96
	SectionB	320	34	0.5	0.02	2264.74	488.02
	SectionC	100	34	0.5	0.02	2263.53	410.78
	SectionD	0	34	0.5	0.02	1723.21	360.04

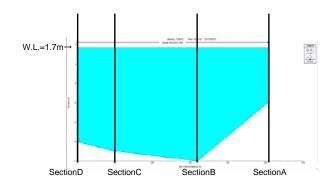
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(Case2-1)

Case 2-1	XS	River Sta	Q Total	W.S. Elev	Vel Chnl	Flow Area	Top Width
			(m^3/s)	(m)	(m/s)	(m ²)	(m)
	SectionA	507	34	1.7	0.04	933.5	205.34
	SectionB	320	34	1.7	0.03	1278.7	189.6
	SectionC	100	34	1.7	0.03	1148.19	207.41
	SectionD	0	34	1.7	0.02	2155.29	360.09

<Longitudinal Section>



(Case2-2)

Case 2-2	XS	River Sta	Q Total	W.S. Elev	Vel Chnl	Flow Area	Top Width
			(m^3/s)	(m)	(m/s)	(m ²)	(m)
	SectionA	507	34	0.5	0.05	687.12	205.3
	SectionB	320	34	0.5	0.03	1051.21	189.55
	SectionC	100	34	0.5	0.04	899.32	207.36
	SectionD	0	34	0.5	0.02	1723.21	360.04

<Longitudinal Section>

