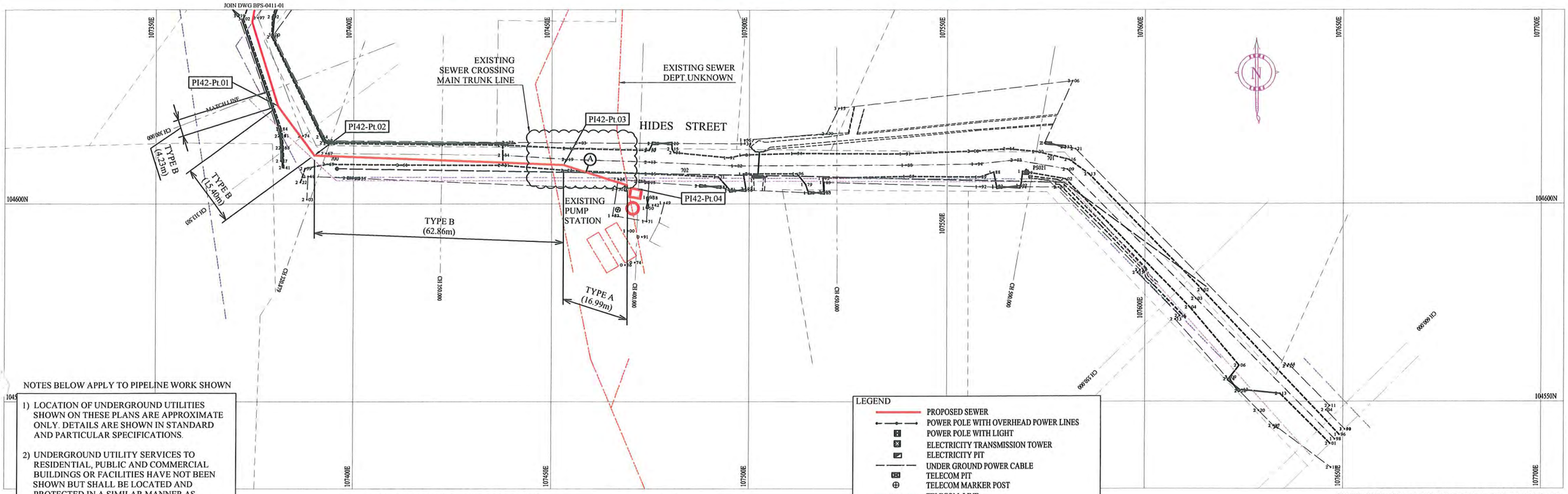


NOTES BELOW APPLY TO PIPELINE WORK SHOWN

1) LOCATION OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. DETAILS ARE SHOWN IN STANDARD AND PARTICULAR SPECIFICATIONS.

2) UNDERGROUND UTILITY SERVICES TO RESIDENTIAL, PUBLIC AND COMMERCIAL BUILDINGS OR FACILITIES HAVE NOT BEEN SHOWN BUT SHALL BE LOCATED AND PROTECTED IN A SIMILAR MANNER AS DESCRIBED ABOVE BY THE CONTRACTOR.

3) MINIMUM COVER IS 60cm FOR UNPAVED ROAD AND 90cm FOR ASPHALT / CONCRETE PAVED ROAD IF NOT DESCRIBED ON THE DRAWINGS.

Type A - Soil/others
Type B - Asphalt (Road)
Type C - Walkway

HDPE PIPE BENDING POINT CORDINATES

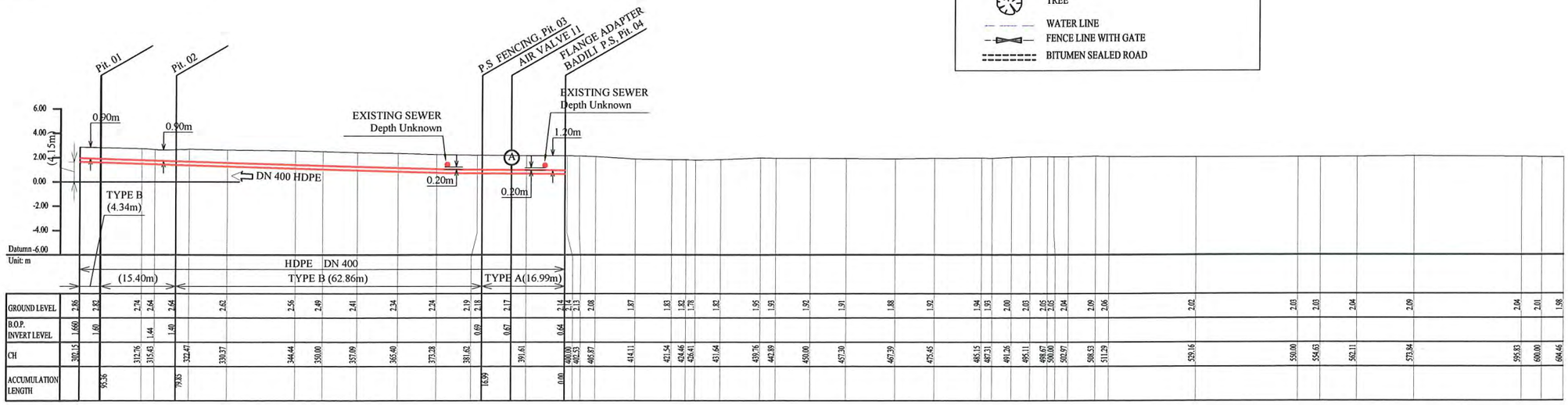
Corner Pt. No.	EASTING	NORTHING
PI42-Pt.01	107380.91	104624.76
PI42-Pt.02	107390.19	104612.33
PI42-Pt.03	107466.13	104609.32
PI42-Pt.04	107471.46	104603.90

PLAN VIEW
Scale 1:1000

NOTE: CADASTRAL BOUNDARIES TAKEN FROM DCDB

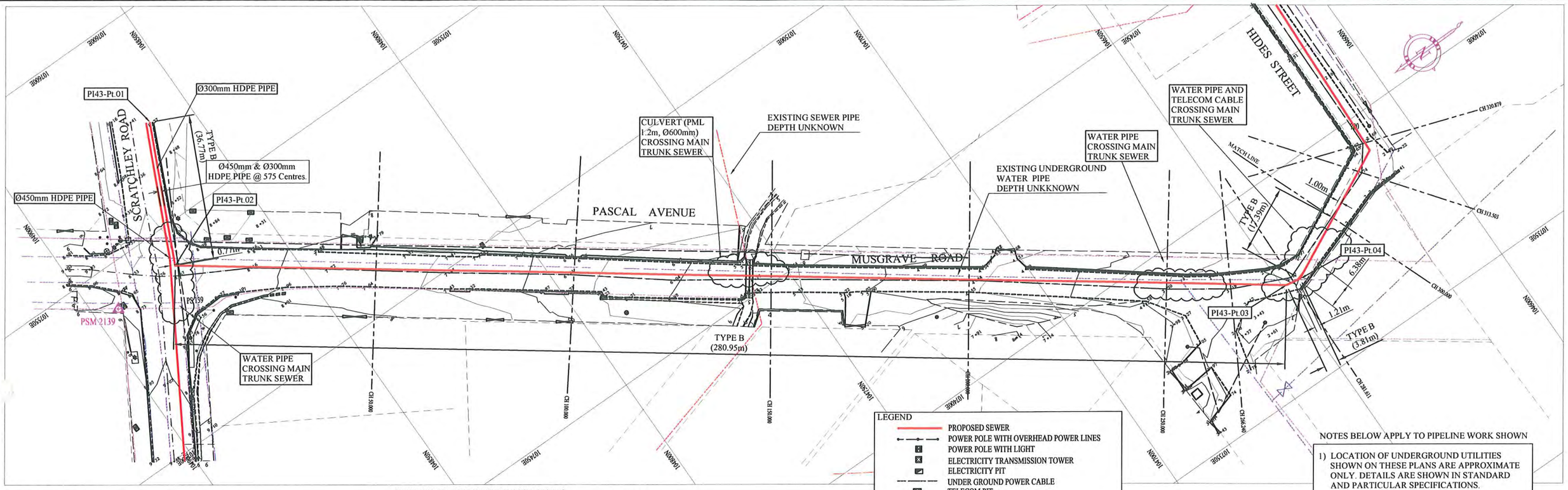
LEGEND

- PROPOSED SEWER
- POWER POLE WITH OVERHEAD POWER LINES
- POWER POLE WITH LIGHT
- ELECTRICITY TRANSMISSION TOWER
- ELECTRICITY PIT
- UNDER GROUND POWER CABLE
- TELECOM PIT
- TELECOM MARKER POST
- TELECOM LINE
- FUEL PIPE
- MANHOLE WITH UNDER GROUND SEWER PIPE
- WATER VALVE BOX
- STOP VALVE
- WATER TAP
- FIRE HYDRANT
- WATER METER
- EXISTING SEWER PIPE
- PALM TREE
- TREE
- WATER LINE
- FENCE LINE WITH GATE
- BITUMEN SEALED ROAD



SCALES HOR 1:1000 VER 1:400

PROJECT:	PORT MORESBY SEWERAGE SYSTEM UPGRADING PROJECT (POMSSUP)
TITLE:	Trunk Main Pipe Plan and Profile (Badili to Receiving Well No.1_42/55)
CLIENT:	INDEPENDENT PUBLIC BUSINESS CORPORATION PORT MORESBY SEWERAGE SYSTEM UPGRADING PROJECT PROJECT MANAGEMENT UNIT (PMU) JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS :	NJS CONSULTANTS CO., LTD. - JAPAN
NOTES :	
REVISIONS	REV. / DATE / DESCRIPTION
APPROVED by PMU:	Project Director Lot G.Zauya
DATE:	1. Dec 2011
SCALE:	1/1000
CHECKED by CONSULTANT	Project Manager T.Fuji
DATE:	1. Dec 2011
DRAWING NO.:	PI-42



NOTE: CADASTRAL BOUNDARIES TAKEN FROM DCDB

HDPE PIPE BENDING POINT CORDINATES

Corner Pt. No.	EASTING	NORTHING
PI43-Pt.01	107573.75	104860.49
PI43-Pt.02	107540.37	104876.00
PI43-Pt.03	107374.84	104648.99
PI43-Pt.04	107374.18	104645.24

PLAN VIEW
Scale 1:1000

LEGEND

- PROPOSED SEWER
- POWER POLE WITH OVERHEAD POWER LINES
- POWER POLE WITH LIGHT
- ELECTRICITY TRANSMISSION TOWER
- ELECTRICITY PIT
- UNDER GROUND POWER CABLE
- TELECOM PIT
- TELECOM MARKER POST
- TELECOM LINE
- FUEL PIPE
- MANHOLE WITH UNDER GROUND SEWER PIPE
- WATER VALVE BOX
- STOP VALVE
- WATER TAP
- FIRE HYDRANT
- WATER METER
- EXISTING SEWER PIPE
- PALM TREE
- TREE
- WATER LINE
- FENCE LINE WITH GATE
- BITUMEN SEALED ROAD

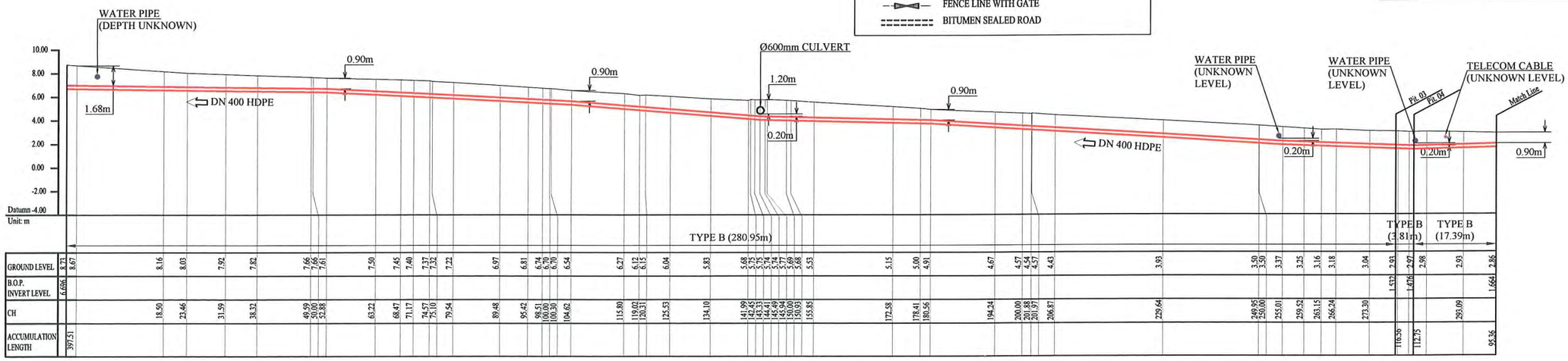
NOTES BELOW APPLY TO PIPELINE WORK SHOWN

1) LOCATION OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. DETAILS ARE SHOWN IN STANDARD AND PARTICULAR SPECIFICATIONS.

2) UNDERGROUND UTILITY SERVICES TO RESIDENTIAL, PUBLIC AND COMMERCIAL BUILDINGS OR FACILITIES HAVE NOT BEEN SHOWN BUT SHALL BE LOCATED AND PROTECTED IN A SIMILAR MANNER AS DESCRIBED ABOVE BY THE CONTRACTOR.

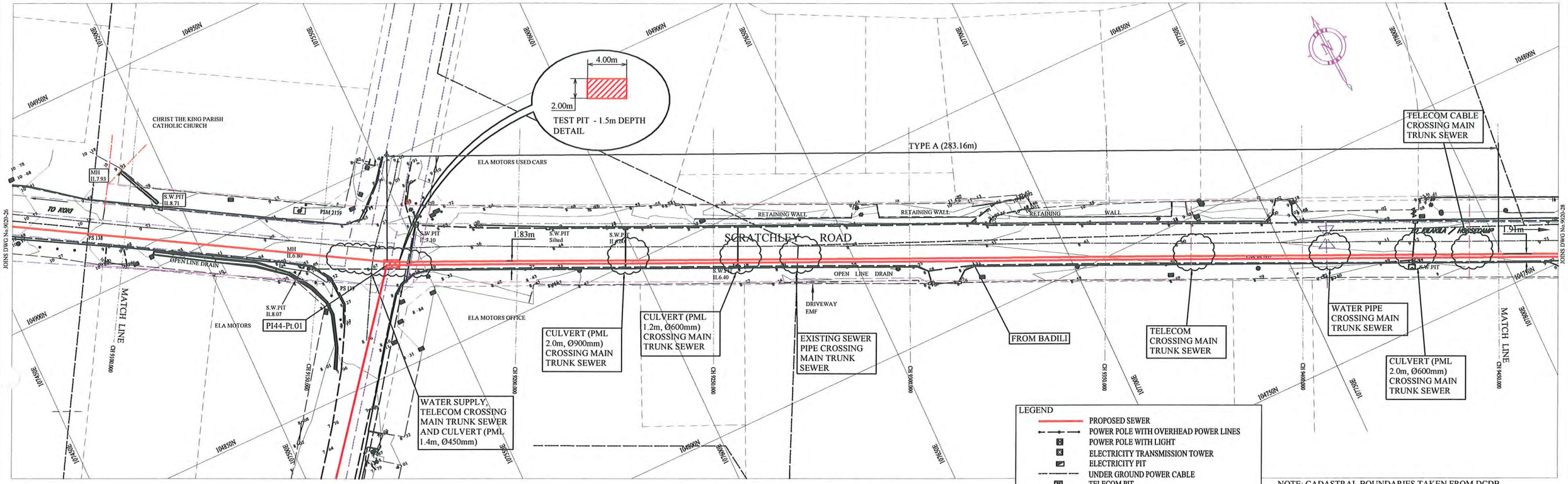
3) MINIMUM COVER IS 60cm FOR UNPAVED ROAD AND 90cm FOR ASPHALT / CONCRETE PAVED ROAD IF NOT DESCRIBED ON THE DRAWINGS.

Type A - Soil/others
Type B - Asphalt (Road)
Type C - Walkway



SCALES HOR 1 : 1000 VER 1 : 400

PROJECT: PORT MORESBY SEWERAGE SYSTEM UPGRADING PROJECT (POMSSUP)		TITLE: Trunk Main Pipe Plan and Profile (Badili to Receiving Well No.1_43/55)	
CLIENT: INDEPENDENT PUBLIC BUSINESS CORPORATION PORT MORESBY SEWERAGE SYSTEM UPGRADING PROJECT PROJECT MANAGEMENT UNIT (PMU) JAPAN INTERNATIONAL COOPERATION AGENCY	CONSULTANTS: NJS CONSULTANTS CO., LTD. - JAPAN	NOTES:	REVISIONS: REV. / DATE / DESCRIPTION
APPROVED by PMU: Project Director Lot G.Zauya	DATE: 1. Dec 2011	SCALE: 1/1000	
CHECKED by CONSULTANT Project Manager T.Fuji	DATE: 1. Dec 2011	DRAWING NO.: PI-43	



PLAN VIEW

Scale : 1:1000

HDPE PIPE BENDING POINT CORDINATES

Corner Pt. No.	EASTING	NORTHING
PI44-Pt.01	107541.49	104875.08

NOTE: CADASTRAL BOUNDARIES TAKEN FROM DCDB

SCRATCHLEY RD PML ≥ 1.20m (FUTURE ROAD DEVELOPMENT)

LEGEND

- PROPOSED SEWER
- POWER POLE WITH OVERHEAD POWER LINES
- POWER POLE WITH LIGHT
- ELECTRICITY TRANSMISSION TOWER
- ELECTRICITY PIT
- UNDER GROUND POWER CABLE
- TELECOM PIT
- TELECOM MARKER POST
- TELECOM LINE
- FUEL PIPE
- MANHOLE WITH UNDER GROUND SEWER PIPE
- WATER VALVE BOX
- STOP VALVE
- WATER TAP
- FIRE HYDRANT
- WATER METER
- EXISTING SEWER PIPE
- PALM TREE
- TREE
- WATER LINE
- FENCE LINE WITH GATE
- BITUMEN SEALED ROAD

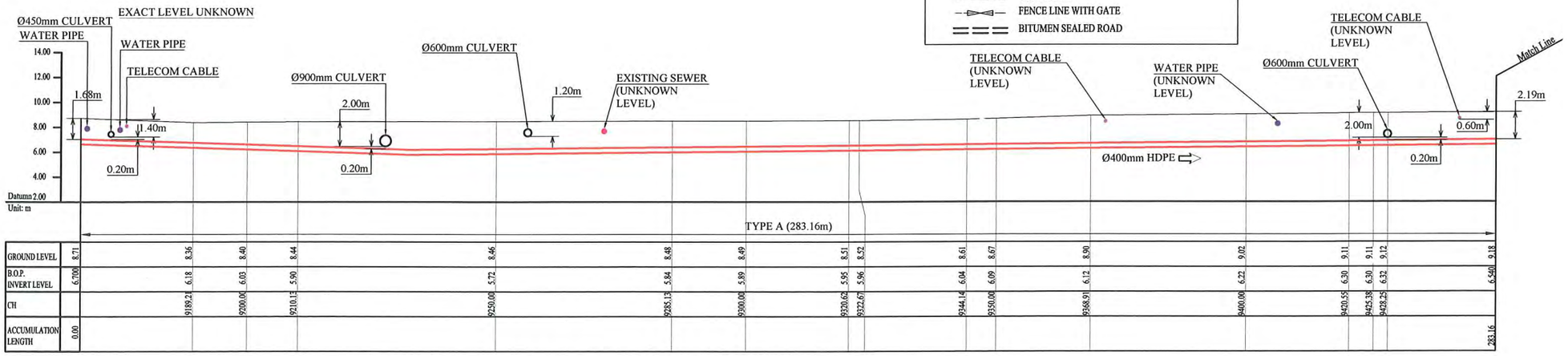
NOTES BELOW APPLY TO PIPELINE WORK SHOWN

1) LOCATION OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. DETAILS ARE SHOWN IN STANDARD AND PARTICULAR SPECIFICATIONS.

2) UNDERGROUND UTILITY SERVICES TO RESIDENTIAL, PUBLIC AND COMMERCIAL BUILDINGS OR FACILITIES HAVE NOT BEEN SHOWN BUT SHALL BE LOCATED AND PROTECTED IN A SIMILAR MANNER AS DESCRIBED ABOVE BY THE CONTRACTOR.

3) MINIMUM COVER IS 60cm FOR UNPAVED ROAD AND 90cm FOR ASPHALT / CONCRETE PAVED ROAD IF NOT DESCRIBED ON THE DRAWINGS.

Type A - Soil/others
Type B - Asphalt (Road)
Type C - Walkway



GROUND LEVEL	8.71		8.36		8.40		8.44		8.46		8.48		8.49		8.51		8.52		8.61		8.67		8.90		9.02		9.11		9.11		9.12		9.18
B.O.P. INVERT LEVEL	6.700		6.18		6.03		5.90		5.72		5.84		5.89		5.95		5.96		6.04		6.09		6.12		6.22		6.30		6.30		6.32		6.240
CH			9189.21		9200.00		9210.15		9250.00		9285.13		9300.00		9320.62		9322.67		9344.14		9350.00		9368.91		9400.00		9420.55		9425.38		9428.25		
ACCUMULATION LENGTH	0.00																																283.16

SCALES HOR 1 : 1000 VER 1 : 400

PROJECT:
PORT MORESBY SEWERAGE SYSTEM UPGRADING PROJECT (POMSSUP)

TITLE:
Trunk Main Pipe Plan and Profile (Badili to Receiving Well No.1_44/55)

CLIENT:
INDEPENDENT PUBLIC BUSINESS CORPORATION
PORT MORESBY SEWERAGE SYSTEM UPGRADING PROJECT
PROJECT MANAGEMENT UNIT (PMU)
JAPAN INTERNATIONAL COOPERATION AGENCY

CONSULTANTS :
NJS CONSULTANTS CO., LTD. - JAPAN

NOTES :

REVISIONS

REV.	DATE	DESCRIPTION

APPROVED by PMU:
Project Director
Lot G.Zauya

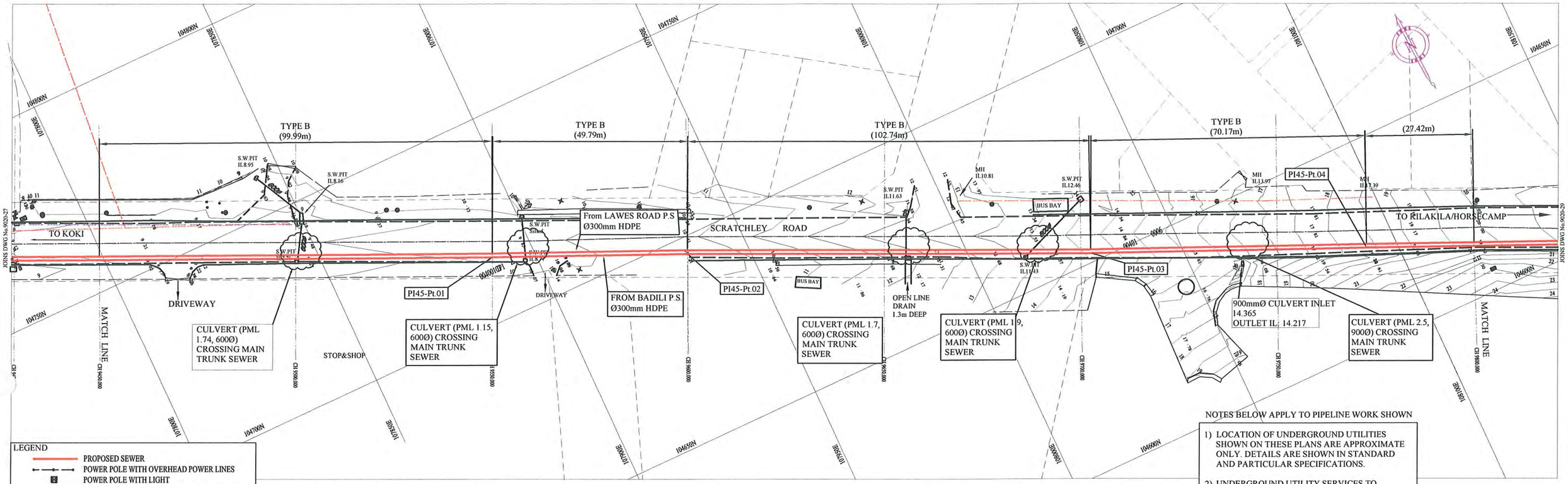
DATE: 1. Dec 2011

SCALE: 1/1000

CHECKED by CONSULTANT
Project Manager
T.Fuji

DATE: 1. Dec 2011

DRAWING NO.: PI-44



NOTES BELOW APPLY TO PIPELINE WORK SHOWN

1) LOCATION OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. DETAILS ARE SHOWN IN STANDARD AND PARTICULAR SPECIFICATIONS.

2) UNDERGROUND UTILITY SERVICES TO RESIDENTIAL, PUBLIC AND COMMERCIAL BUILDINGS OR FACILITIES HAVE NOT BEEN SHOWN BUT SHALL BE LOCATED AND PROTECTED IN A SIMILAR MANNER AS DESCRIBED ABOVE BY THE CONTRACTOR.

3) MINIMUM COVER IS 60cm FOR UNPAVED ROAD AND 90cm FOR ASPHALT / CONCRETE PAVED ROAD IF NOT DESCRIBED ON THE DRAWINGS.

Type A - Soil/others
Type B - Asphalt (Road)
Type C - Walkway

LEGEND

- PROPOSED SEWER
- POWER POLE WITH OVERHEAD POWER LINES
- POWER POLE WITH LIGHT
- ELECTRICITY TRANSMISSION TOWER
- ELECTRICITY PIT
- UNDER GROUND POWER CABLE
- TELECOM PIT
- TELECOM MARKER POST
- TELECOM LINE
- FUEL PIPE
- MANHOLE WITH UNDER GROUND SEWER PIPE
- WATER VALVE BOX
- STOP VALVE
- WATER TAP
- FIRE HYDRANT
- WATER METER
- EXISTING SEWER PIPE
- PALM TREE
- TREE
- WATER LINE
- FENCE LINE WITH GATE
- BITUMEN SEALED ROAD

NOTE: CADASTRAL BOUNDARIES TAKEN FROM DCDB

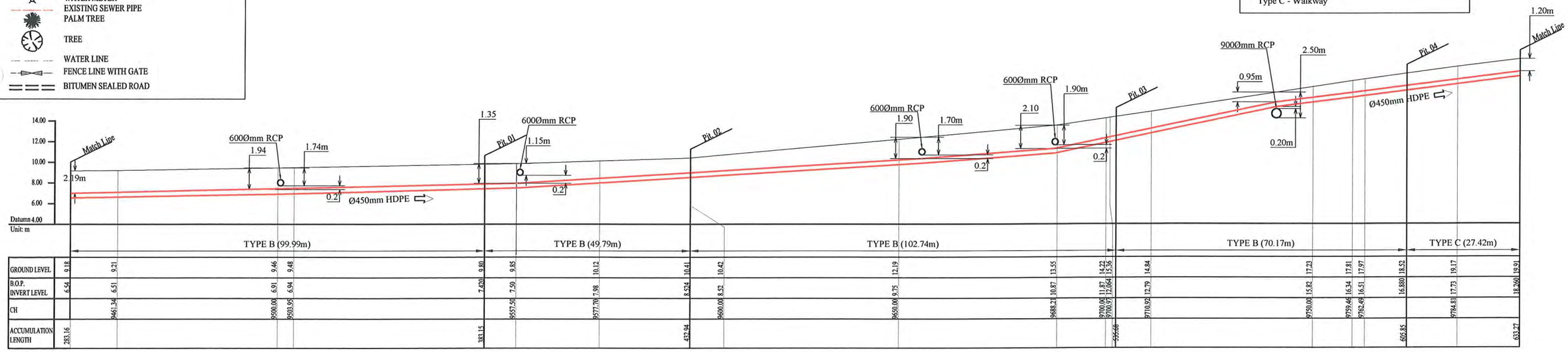
SCRATCHLEY RD PML ≥ 1.20m (FUTURE ROAD DEVELOPMENT)

PLAN VIEW

Scale : 1:1000

HDPE PIPE BENDING POINT CORDINATES

Corner Pt. No.	EASTING	NORTHING
PI45-Pt.01	107889.76	104715.98
PI45-Pt.02	107935.26	104695.73
PI45-Pt.03	108028.37	104652.31
PI45-Pt.04	108092.52	104623.89



SCALES HOR 1 : 1000 VER 1 : 400

PROJECT:	TITLE:
PORT MORESBY SEWERAGE SYSTEM UPGRADING PROJECT (POMSSUP)	Trunk Main Pipe Plan and Profile (Badili to Receiving Well No.1_45/55)

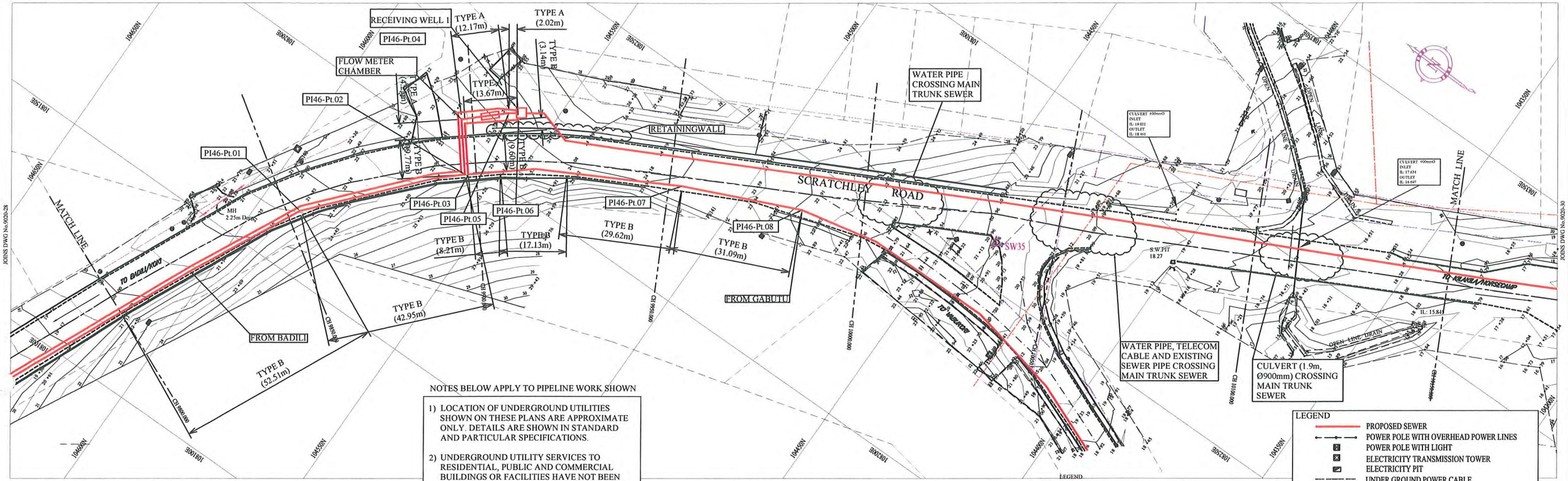
INDEPENDENT PUBLIC BUSINESS CORPORATION
PORT MORESBY SEWERAGE SYSTEM UPGRADING PROJECT
PROJECT MANAGEMENT UNIT (PMU)
JAPAN INTERNATIONAL COOPERATION AGENCY

CONSULTANTS : NJS CONSULTANTS CO., LTD. - JAPAN

NOTES :

REVISIONS		
REV.	DATE	DESCRIPTION

APPROVED by PMU:	DATE:	SCALE:
Project Director Lot G.Zauya	1. Dec 2011	1/1000
CHECKED by CONSULTANT Project Manager T.Fuji	DATE: 1. Dec 2011	DRAWING NO.: PI-45



NOTE: CADASTRAL BOUNDARIES TAKEN FROM DCDB
SCRATCHLEY RD PML ≥ 1.20m (FUTURE ROAD DEVELOPMENT)

NOTES BELOW APPLY TO PIPELINE WORK SHOWN

1) LOCATION OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. DETAILS ARE SHOWN IN STANDARD AND PARTICULAR SPECIFICATIONS.

2) UNDERGROUND UTILITY SERVICES TO RESIDENTIAL, PUBLIC AND COMMERCIAL BUILDINGS OR FACILITIES HAVE NOT BEEN SHOWN BUT SHALL BE LOCATED AND PROTECTED IN A SIMILAR MANNER AS DESCRIBED ABOVE BY THE CONTRACTOR.

3) MINIMUM COVER IS 60cm FOR UNPAVED ROAD AND 90cm FOR ASPHALT / CONCRETE PAVED ROAD IF NOT DESCRIBED ON THE DRAWINGS.

Type A - Soil/others
Type B - Asphalt (Road)
Type C - Walkway

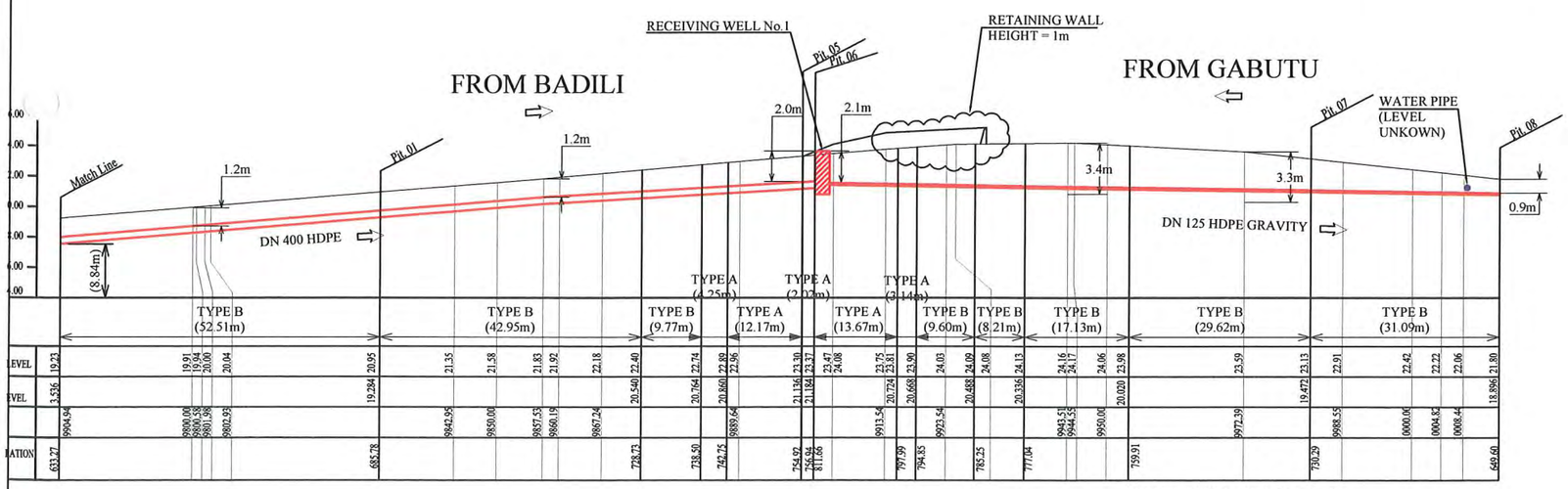
PLAN VIEW
Scale : 1:1000

HDPE PIPE BENDING POINT CORDINATES

Corner Pt. No.	EASTING	NORTHING
PI46-Pt.01	108164.96	104590.12
PI46-Pt.02	108196.60	104561.07
PI46-Pt.03	108197.07	104560.41
PI46-Pt.04	108207.53	104569.86
PI46-Pt.05	108215.71	104560.86
PI46-Pt.06	108215.70	104557.90
PI46-Pt.07	108226.00	104513.92
PI46-Pt.08	108238.48	104485.44

LEGEND

- PROPOSED SEWER
- POWER POLE WITH OVERHEAD POWER LINES
- POWER POLE WITH LIGHT
- ELECTRICITY TRANSMISSION TOWER
- ELECTRICITY PIT
- UNDER GROUND POWER CABLE
- TELECOM PIT
- TELECOM MARKER POST
- TELECOM LINE
- FUEL PIPE
- MANHOLE WITH UNDER GROUND SEWER PIPE
- WATER VALVE BOX
- STOP VALVE
- WATER TAP
- FIRE HYDRANT
- WATER METER
- EXISTING SEWER PIPE
- PALM TREE
- TREE
- WATER LINE
- FENCE LINE WITH GATE
- BITUMEN SEALED ROAD



SCALES HOR 1 : 1000 VER 1 : 400

PROJECT:	TITLE:
PORT MORESBY SEWERAGE SYSTEM UPGRADING PROJECT (POMSSUP)	Trunk Main Pipe Plan and Profile (Badili and Gabutu to Receiving Well No.1_46/55)

CLIENT:
INDEPENDENT PUBLIC BUSINESS CORPORATION
PORT MORESBY SEWERAGE SYSTEM UPGRADING PROJECT
PROJECT MANAGEMENT UNIT (PMU)
JAPAN INTERNATIONAL COOPERATION AGENCY

CONSULTANTS:
NJS CONSULTANTS CO., LTD. - JAPAN

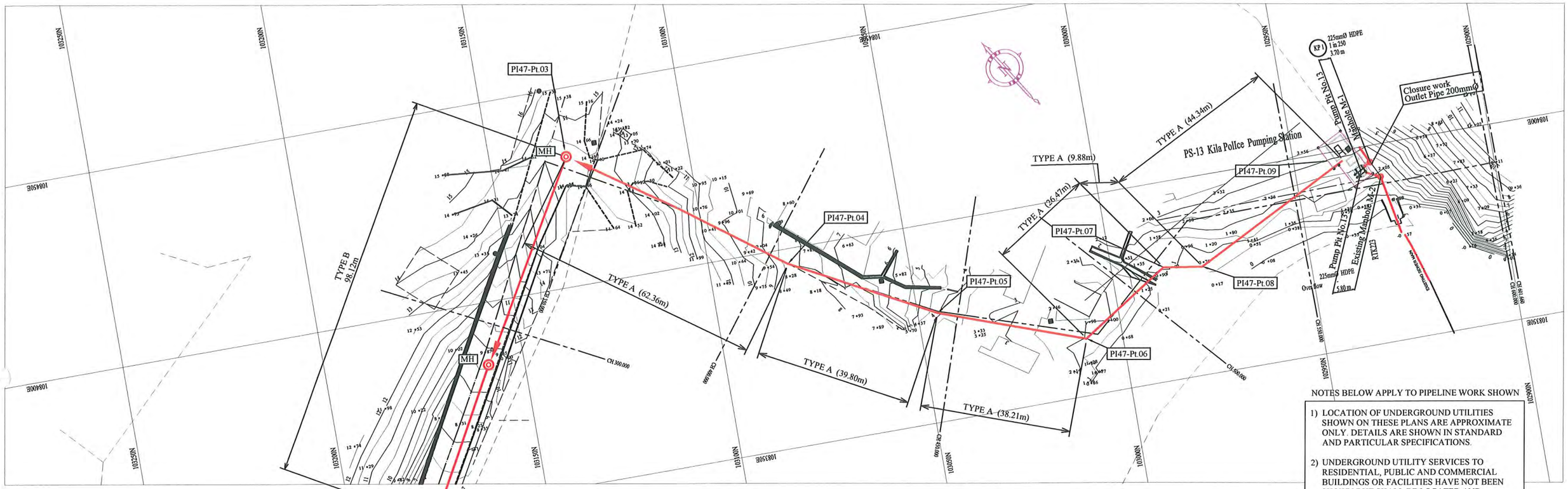
NOTES:

REVISIONS

REV.	DATE	DESCRIPTION

APPROVED by PMU: Project Director Lot G.Zauya — DATE: 1. Dec 2011 — SCALE: 1/1000

CHECKED by CONSULTANT: Project Manager T.Fuji — DATE: 1. Dec 2011 — DRAWING NO.: PI-46



PLAN VIEW
SCALE 1:1000

NOTES BELOW APPLY TO PIPELINE WORK SHOWN

1) LOCATION OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. DETAILS ARE SHOWN IN STANDARD AND PARTICULAR SPECIFICATIONS.

2) UNDERGROUND UTILITY SERVICES TO RESIDENTIAL, PUBLIC AND COMMERCIAL BUILDINGS OR FACILITIES HAVE NOT BEEN SHOWN BUT SHALL BE LOCATED AND PROTECTED IN A SIMILAR MANNER AS DESCRIBED ABOVE BY THE CONTRACTOR.

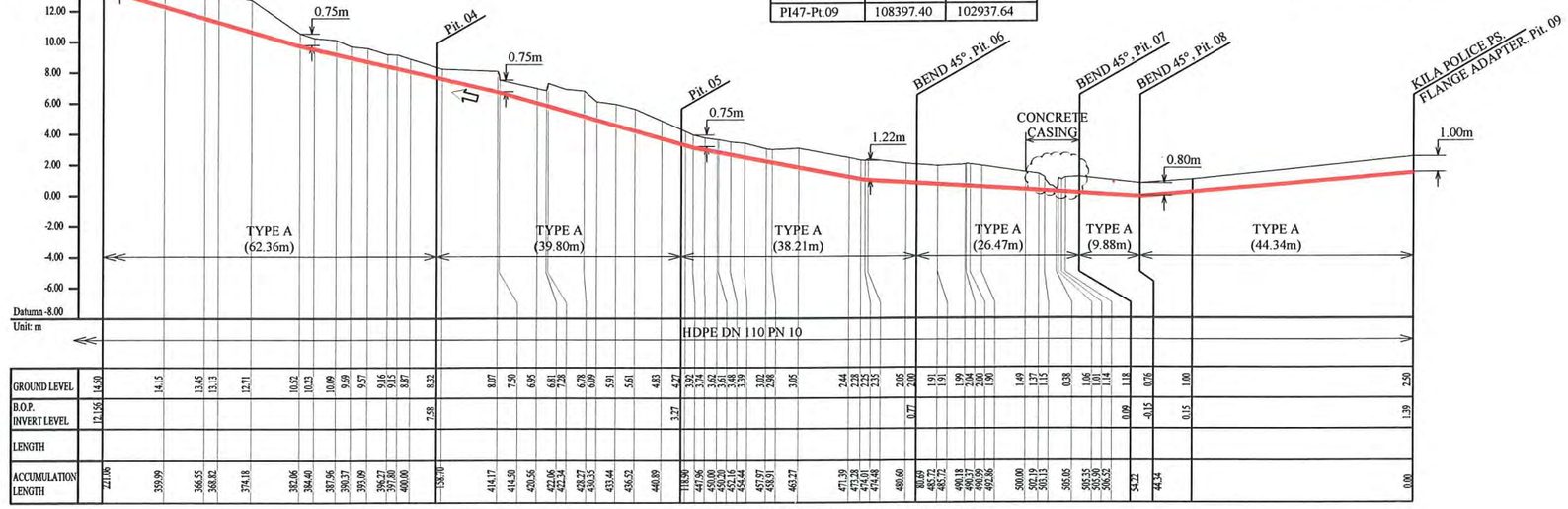
3) MINIMUM COVER IS 60cm FOR UNPAVED ROAD AND 90cm FOR ASPHALT / CONCRETE PAVED ROAD IF NOT DESCRIBED ON THE DRAWINGS.

Type A - Soil/others
Type B - Asphalt (Road)
Type C - Walkway

HDPE PIPE BENDING POINT CORDINATES

Corner Pt. No.	EASTING	NORTHING
PI47-Pt.01	108335.62	103188.11
PI47-Pt.02	108347.55	103179.49
PI47-Pt.03	108432.67	103130.69
PI47-Pt.04	108396.24	103080.07
PI47-Pt.05	108377.44	103045.00
PI47-Pt.06	108364.32	103009.11
PI47-Pt.07	108378.66	102986.85
PI47-Pt.08	108377.15	102977.09
PI47-Pt.09	108397.40	102937.64

- PROPOSED SEWER
- POWER POLE WITH OVERHEAD POWER LINES
- POWER POLE WITH LIGHT
- ELECTRICITY TRANSMISSION TOWER
- ELECTRICITY PIT
- UNDER GROUND POWER CABLE
- TELECOM PIT
- TELECOM MARKER POST
- TELECOM LINE
- FUEL PIPE
- MANHOLE WITH UNDER GROUND SEWER PIPE
- WATER VALVE BOX
- STOP VALVE
- WATER TAP
- FIRE HYDRANT
- WATER METER
- EXISTING SEWER PIPE
- PALM TREE
- TREE
- WATER LINE
- FENCE LINE WITH GATE
- BITUMEN SEALED ROAD



SCALES HOR 1 : 1000 VER 1 : 400

PROJECT:	PORT MORESBY SEWERAGE SYSTEM UPGRADING PROJECT (POMSSUP)
TITLE:	Trunk Main Pipe Plan and Profile (Kila Police to Konebada_47/55)
CLIENT:	INDEPENDENT PUBLIC BUSINESS CORPORATION PORT MORESBY SEWERAGE SYSTEM UPGRADING PROJECT PROJECT MANAGEMENT UNIT (PMU) JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS :	NJS CONSULTANTS CO., LTD. - JAPAN
NOTES :	

REVISIONS		
REV.	DATE	DESCRIPTION

APPROVED by PMU: Project Director Lot G.Zauya	DATE: 1. Dec 2011	SCALE: 1/1000
CHECKED by CONSULTANT Project Manager T.Fuji	DATE: 1. Dec 2011	DRAWING NO.: PI-47

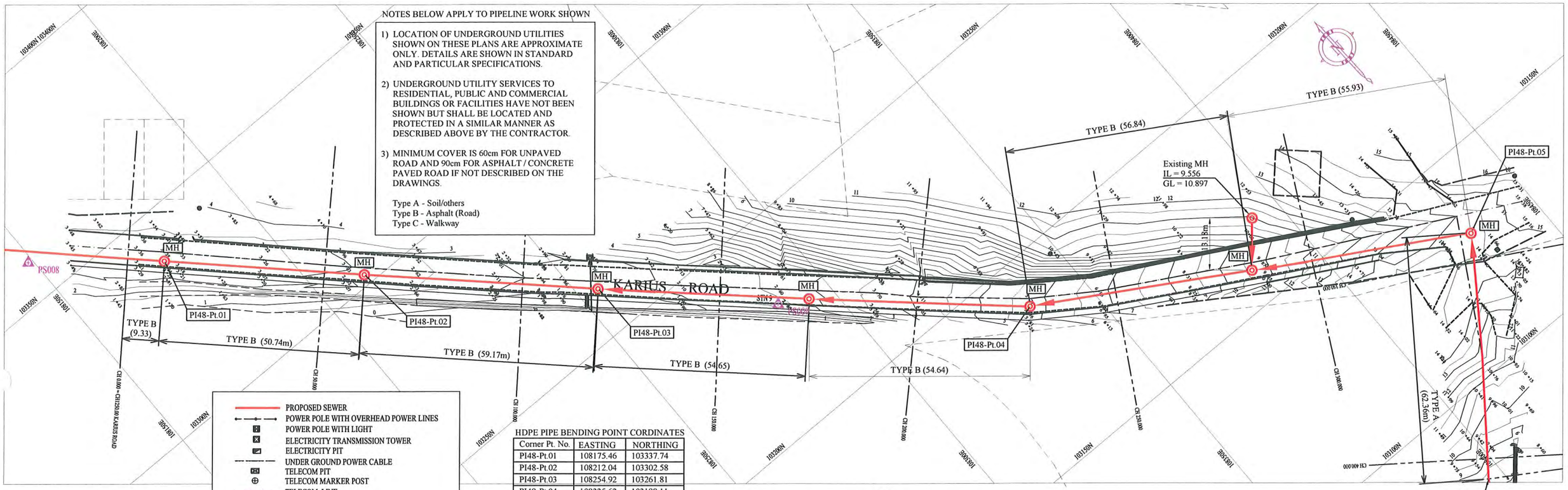
NOTES BELOW APPLY TO PIPELINE WORK SHOWN

1) LOCATION OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. DETAILS ARE SHOWN IN STANDARD AND PARTICULAR SPECIFICATIONS.

2) UNDERGROUND UTILITY SERVICES TO RESIDENTIAL, PUBLIC AND COMMERCIAL BUILDINGS OR FACILITIES HAVE NOT BEEN SHOWN BUT SHALL BE LOCATED AND PROTECTED IN A SIMILAR MANNER AS DESCRIBED ABOVE BY THE CONTRACTOR.

3) MINIMUM COVER IS 60cm FOR UNPAVED ROAD AND 90cm FOR ASPHALT / CONCRETE PAVED ROAD IF NOT DESCRIBED ON THE DRAWINGS.

Type A - Soil/others
Type B - Asphalt (Road)
Type C - Walkway

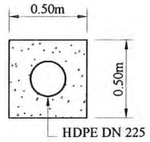


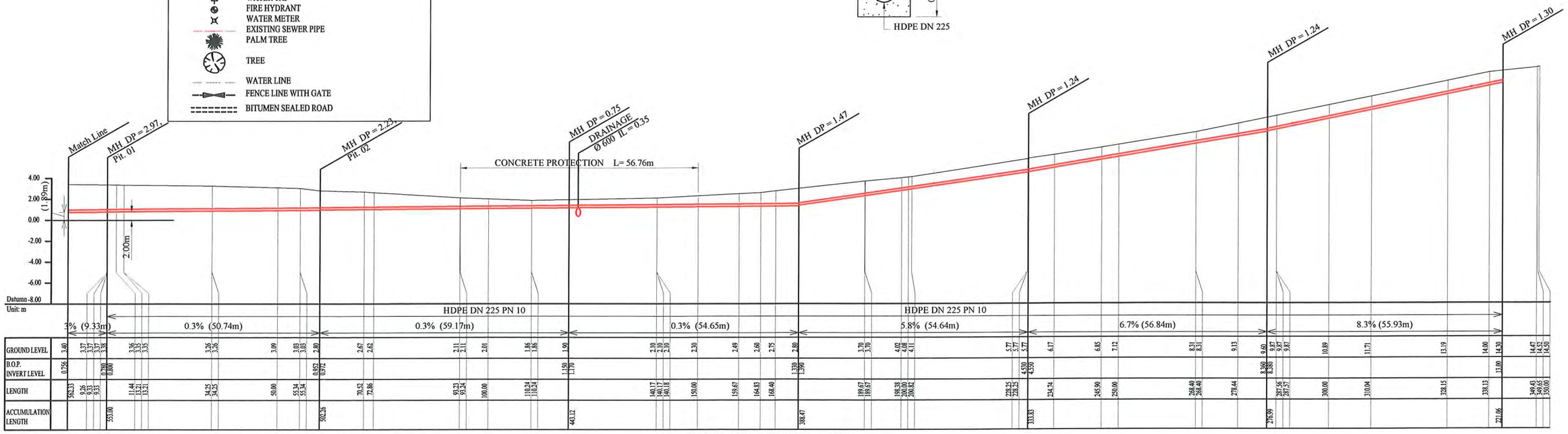
- PROPOSED SEWER
- POWER POLE WITH OVERHEAD POWER LINES
- POWER POLE WITH LIGHT
- ELECTRICITY TRANSMISSION TOWER
- ELECTRICITY PIT
- UNDER GROUND POWER CABLE
- TELECOM PIT
- TELECOM MARKER POST
- TELECOM LINE
- FUEL PIPE
- MANHOLE WITH UNDER GROUND SEWER PIPE
- WATER VALVE BOX
- STOP VALVE
- WATER TAP
- FIRE HYDRANT
- WATER METER
- EXISTING SEWER PIPE
- PALM TREE
- TREE
- WATER LINE
- FENCE LINE WITH GATE
- BITUMEN SEALED ROAD

HDPE PIPE BENDING POINT CORDINATES

Corner Pt. No.	EASTING	NORTHING
PI48-Pt.01	108175.46	103337.74
PI48-Pt.02	108212.04	103302.58
PI48-Pt.03	108254.92	103261.81
PI48-Pt.04	108335.62	103188.11
PI48-Pt.05	108432.67	103130.69
PI48-Pt.06	108396.24	103080.07

PLAN VIEW
SCALE 1:1000





SCALES HOR 1 : 1000 VER 1 : 400

PROJECT:	PORT MORESBY SEWERAGE SYSTEM UPGRADING PROJECT (POMSSUP)
TITLE:	Trunk Main Pipe Plan and Profile (Kila Police to Konebada_48/55)
CLIENT:	INDEPENDENT PUBLIC BUSINESS CORPORATION PORT MORESBY SEWERAGE SYSTEM UPGRADING PROJECT PROJECT MANAGEMENT UNIT (PMU) JAPAN INTERNATIONAL COOPERATION AGENCY
CONSULTANTS :	NJS CONSULTANTS CO., LTD. - JAPAN
NOTES :	

REVISIONS		
REV.	DATE	DESCRIPTION

APPROVED by PMU: Project Director Lot G.Zauya	DATE: 1. Dec 2011	SCALE: 1/1000
CHECKED by CONSULTANT Project Manager T.Fuji	DATE: 1. Dec 2011	DRAWING NO.: PI-48