

TO MARBEL/GENSAN

TO GEN. SANTOS CITY

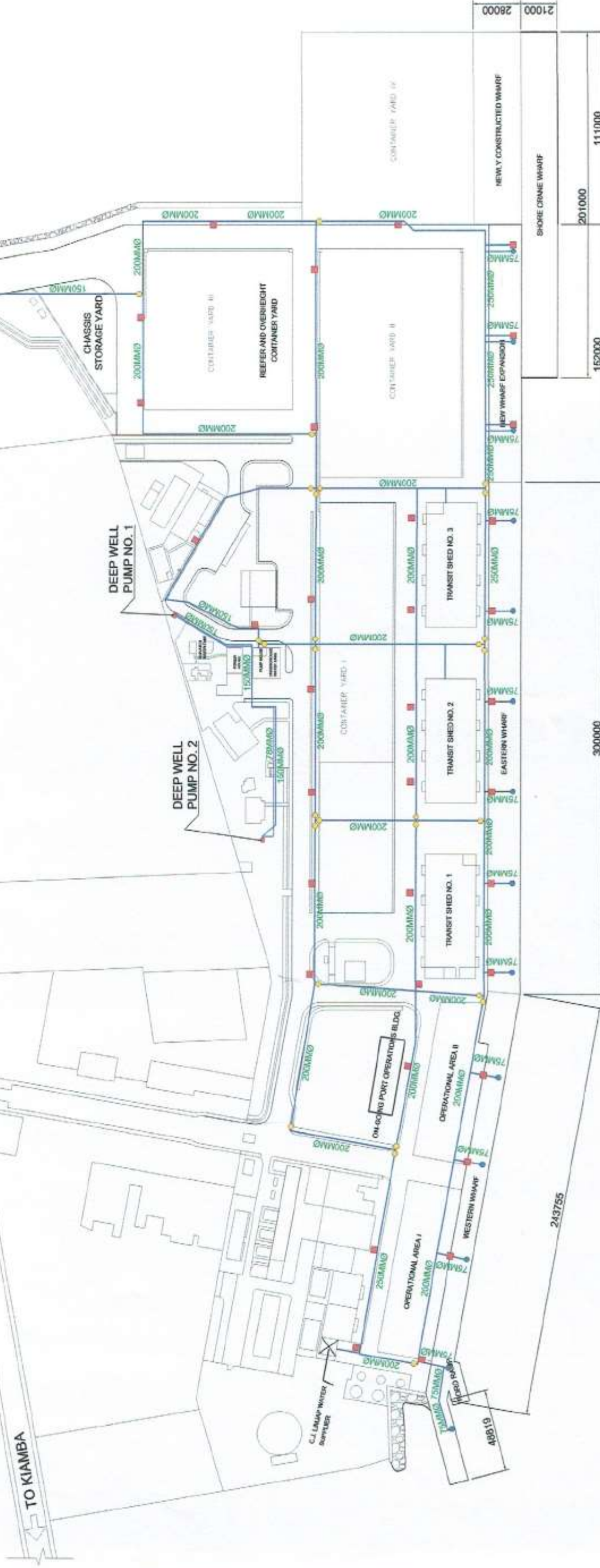


LEGEND:

- WATER SUPPLY LINE
- FIRE HYDRANT
- GATE VALVE
- WATER SUPPLY



TO KIAMBA



EXISTING WATER SUPPLY LINES FOR REPAIR / REHABILITATION



PROJECT TITLE  
REPAIR / REHABILITATION OF PORT WATER PIPELINES



LOCATION  
PORT OF GENERAL SANTOS, MAKAR WHARF,  
GENERAL SANTOS CITY

PREPARED BY  
JOE CARLO I. SORIANO  
ENGINEERING ASSISTANT (J.O.E.)

CHECKED BY  
RHEA MAE P. CABRERA  
SUPERVISING ENGINEER A

REVIEWED BY  
MARIA VIVIAN M. TANDOC  
PRINCIPAL ENGINEER A

RECOMMENDING APPROVAL  
JAMESON LEE  
LEAD MANAGER

APPROVED BY  
ATTY. CECILIA M. DAYA  
ACTING PORT MANAGER

SHEET CONTENT  
1. EXISTING WATER SUPPLY LINES

DATE: 6/18/2018



- LEGEND:**
- WATER SUPPLY LINE FOR REPAIR (PAVING BLOCKS)
  - WATER SUPPLY LINE FOR REPAIR (CONCRETE PAVEMENT)
  - FIRE HYDRANT
  - GATE VALVE (5-250mm $\phi$ , 20-200mm $\phi$ )
  - WATER SUPPLY
  - WATER LINE NOT INCLUDED IN THE REPAIR
  - WATER SUPPLY MANHOLE (SEE DETAILED DRAWING)
  - FIRE HOSE CABINET (SEE DETAILED DRAWING)
- WS1-WS13**

**NOTE:**

1. 100mm $\phi$  OR BELOW SERIES 10 (NOMINAL PIPE SIZE)
2. 150mm $\phi$  OR ABOVE SERIES 8 (NOMINAL PIPE SIZE)
3. USE PNS65 UPVC FIX SEALED PIPE
4. 250mm $\phi$  PIPE(L.M=370.00m), 200mm $\phi$  PIPE(L.M=1574.46), 75mm $\phi$  PIPE(L.M=102.00m)

TO GEN. SANTOS CITY

TO MARBEL/GENSAN



TO KIAMBA

DEEP WELL PUMP NO. 1

DEEP WELL PUMP NO. 2

CHASSIS STORAGE YARD A=1,824 SQ. M.

REEFER AND OVERHEIGHT CONTAINER YARD

CY I

CY II

CY III

CY IV

OPEN STORAGE AREA I

OPEN STORAGE AREA II

OPEN STORAGE AREA III

OPEN STORAGE AREA IV

TS NO. 1

TS NO. 2

TS NO. 3

WS1

WS2

WS3

WS4

WS5

WS6

WS7

WS8

WS9

WS10


WS11

WS12

WS13

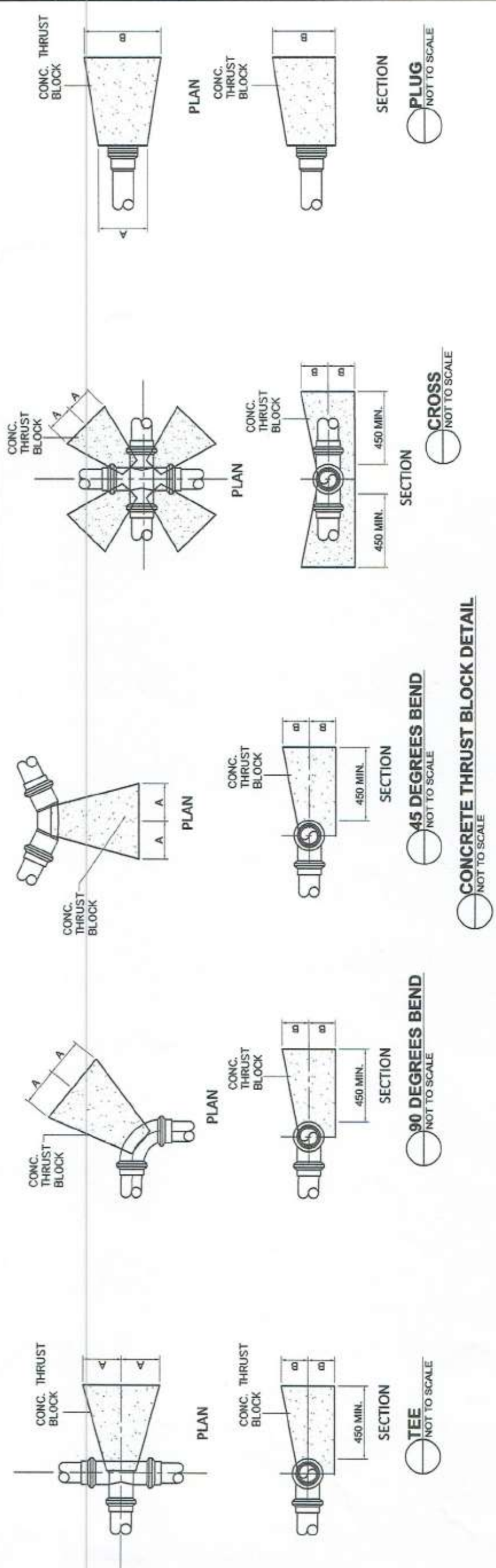
SHORE CRANE WHARF

**PORT LAYOUT PLAN FOR PROPOSED REHABILITATION OF WATER SUPPLY LINES**  
1:2500 METERS


	<p><b>PROJECT TITLE</b></p> <p>REPAIR / REHABILITATION OF PORT WATER PIPELINES</p> <p><b>LOCATION</b></p> <p>PORT OF GENERAL SANTOS, MAKAR WHARF, GENERAL SANTOS CITY</p>	<p><b>PREPARED BY</b></p> <p>JOE CARLO I. SORIANO ENGINEERING ASSISTANT (Jr.)</p>	<p><b>CHECKED BY</b></p> <p>ARIEA MAE D. CABRERA REGISTERED ENGINEER A</p>	<p><b>REVIEWED BY</b></p> <p>MARIA VIVIAN M. TANCO PRINCIPAL ENGINEER A</p>	<p><b>RECOMMENDING APPROVAL</b></p> <p>JAMESON LEE CEO MANAGER</p>	<p><b>APPROVED BY</b></p> <p>ATTY. CERRA M. DATA ACTING PORT MANAGER</p>	<p><b>SHEET CONTENT</b></p> <p>1. PORT LAYOUT PLAN FOR PROPOSED REHABILITATION OF WATER SUPPLY LINES</p>	<p><b>DATE:</b> 9/27/2018</p> <p><b>217</b></p>
---	---	---	--	---	--	--	--	---



Standard/Reference/Project/2018/Project/73 water piping (sanitary/sewerage) of water pipelines rev. 001




CONC. THRUST BLOCK SCHEDULE									
DIMENSIONS (mm)									
PIPE SIZE (mm)	90° BEND		45° BEND		TEE		CROSS		PLUG
	A	B	A	B	A	B	A	B	
150	305	255	160	255	255	305	100	255	460
200	400	330	225	330	290	365	150	305	610
250	510	410	275	410	305	410	200	355	765





PHILIPPINE WATER AUTHORITY


PROJECT TITLE  
REPAIR / REHABILITATION OF PORT WATER PIPELINES


LOCATION  
PORT OF GENERAL SANTOS, MAKAR WHARF, GENERAL SANTOS CITY

PREPARED BY  
  
JOE CARLO T. SORIANO  
ENGINEERING ASSISTANT (U.D.)

CHECKED BY  
  
RHEA MAE P. CABRERA  
SUPERVISING ENGINEER A

REVIEWED BY  
  
MARIA VIVIEN M. TANCO  
PRINCIPAL ENGINEER A

RECOMMENDING APPROVAL  
  
JAMES SOL L. TEE  
ESTIMATOR

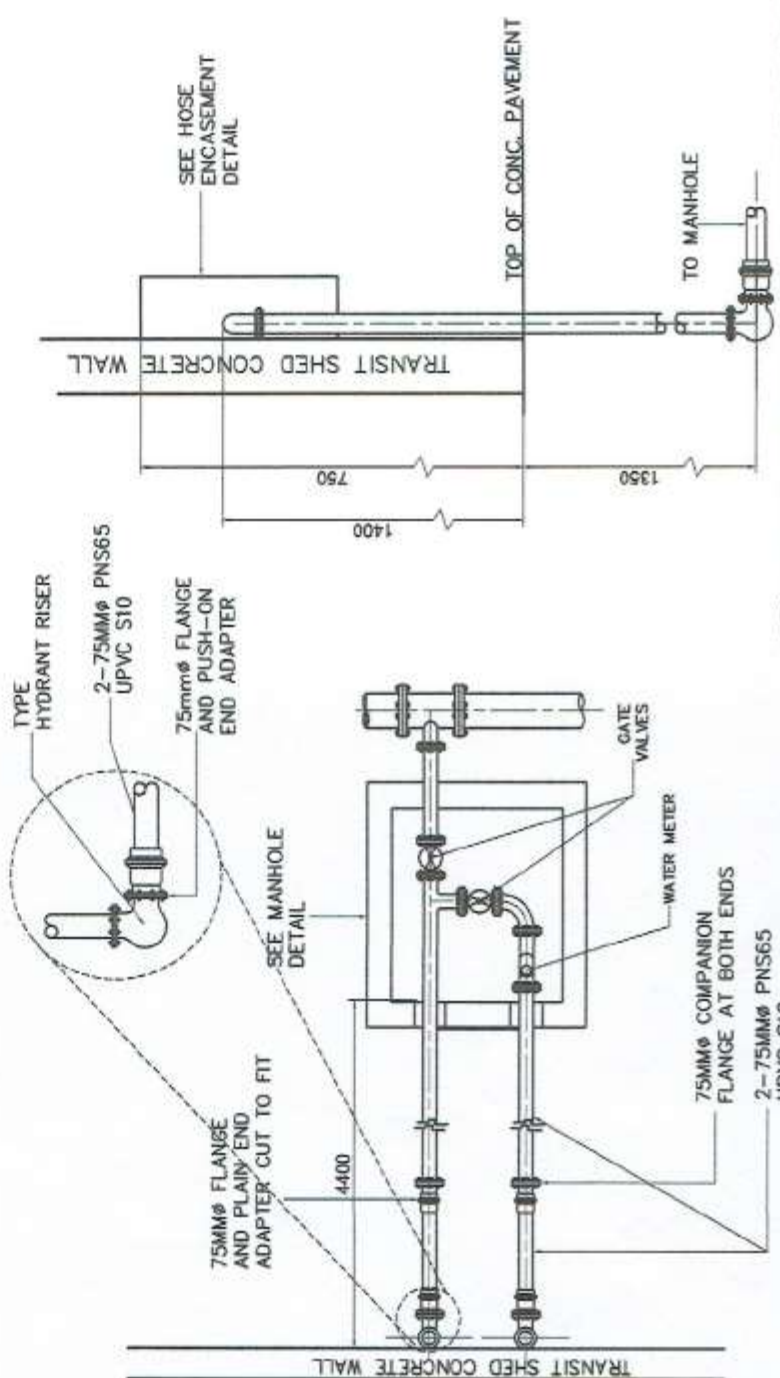
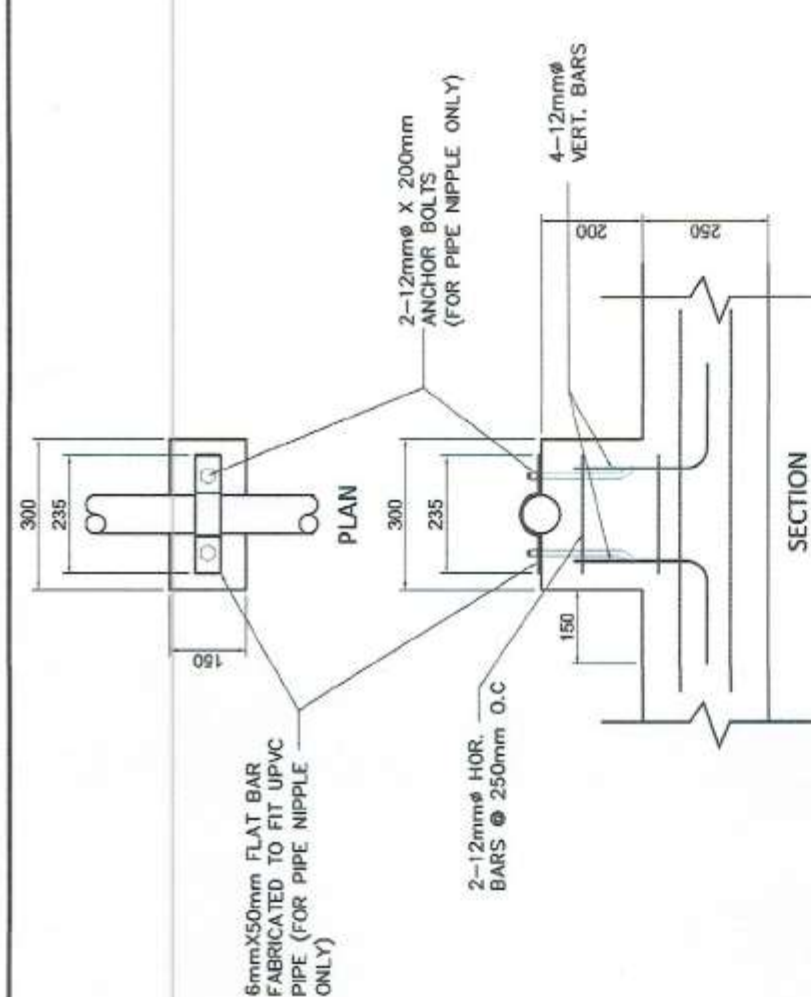
APPROVED BY  
  
ATTY. CESAR L. DATAYA  
ACTING PORT MANAGER

SHEET CONTENT  
1. CONCRETE THRUST BLOCK DETAIL  
2. CONCRETE THRUST BLOCK SCHEDULE

DATE: 6/18/2018

3/7

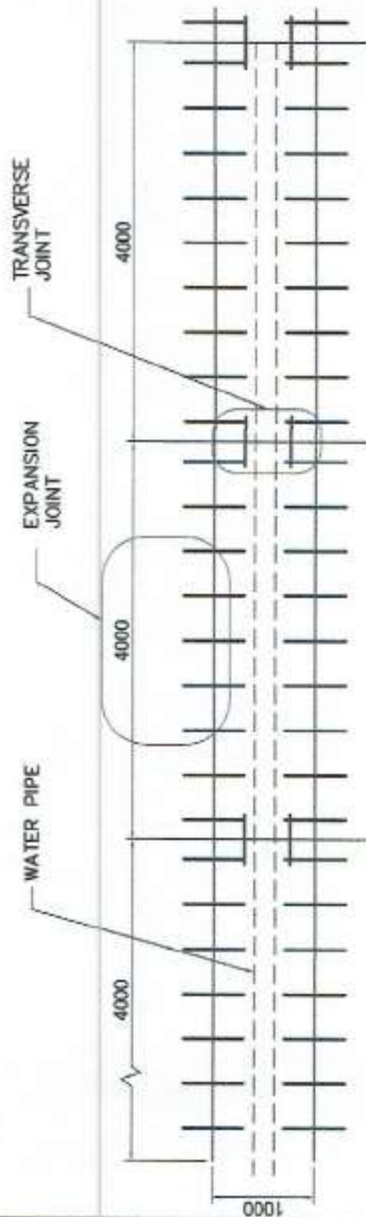






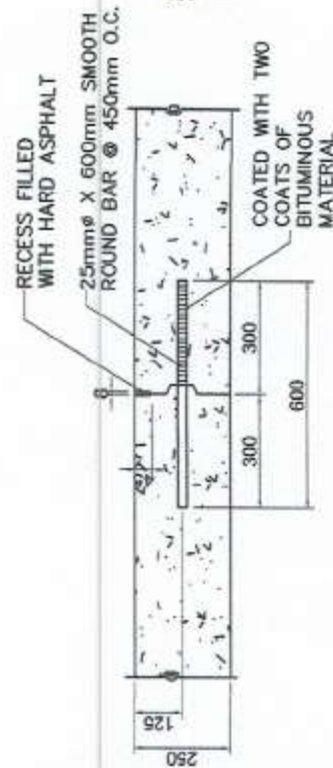




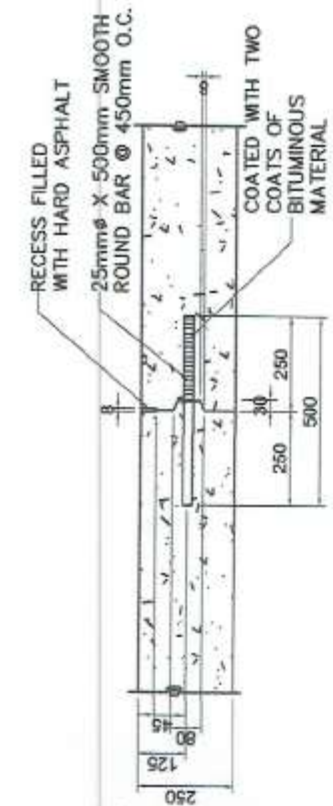


**CONCRETE PAVEMENT PART PLAN SHOWING THE REBARS**  
SCALE 1:75

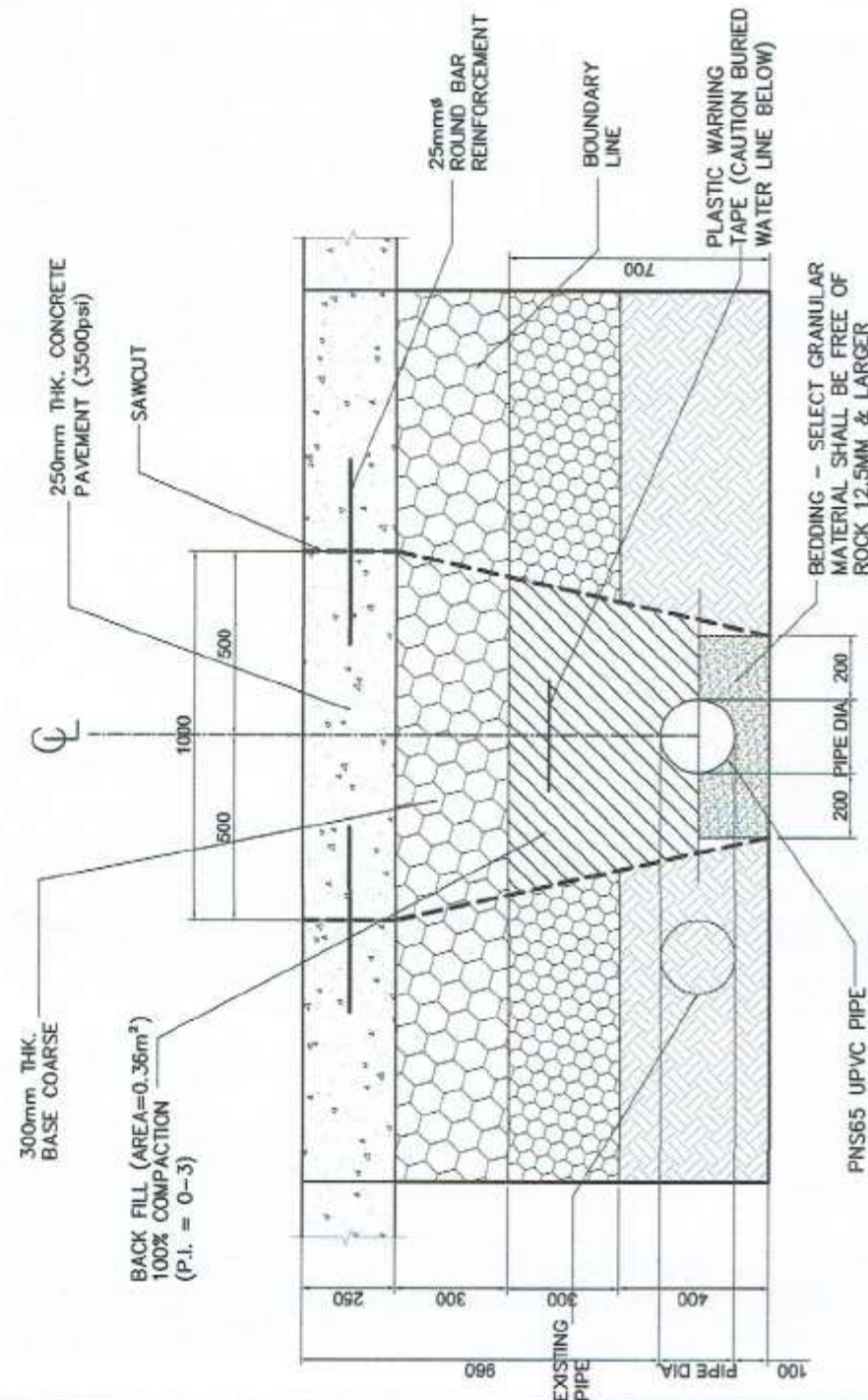
NOTE:  
1. CONCRETE PAVEMENT L.M=1856.46m



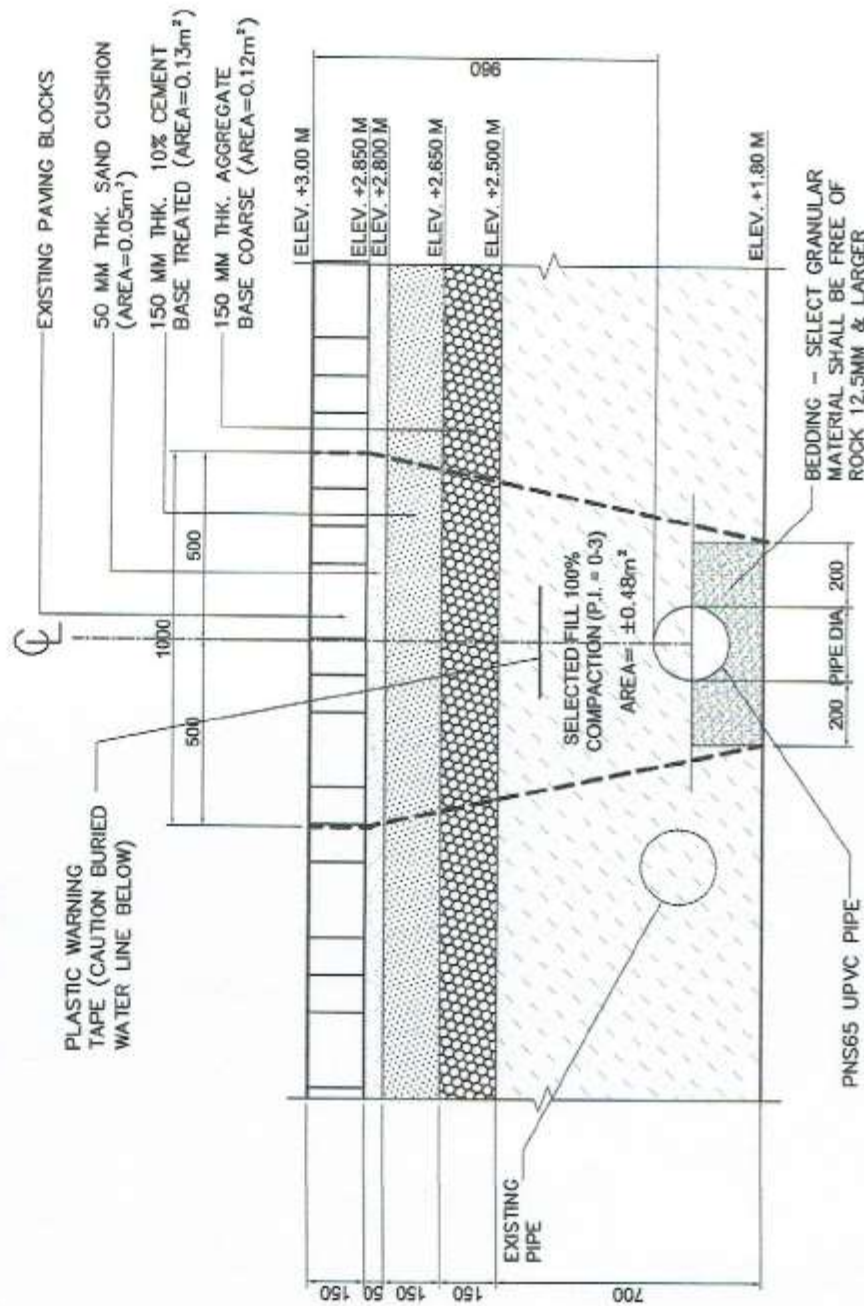
**DETAIL OF EXPANSION JOINT**  
SCALE 1:20



**DETAIL OF TRANSVERSE JOINT**  
SCALE 1:20



**CONCRETE PAVEMENT TRENCHING DETAIL**  
SCALE 1:20



**CONC. PAVING BLOCKS TRENCHING DETAIL**  
SCALE 1:25

	<b>PROJECT TITLE</b> REPAIR / REHABILITATION OF PORT WATER PIPELINES  <b>LOCATION</b> PORT OF GENERAL SANTOS, MAKAR WHARF, GENERAL SANTOS CITY	<b>PREPARED BY</b>  JOE CARLO I. SORIANO PROJECTING ASSISTANT (A.O.)	<b>CHECKED BY</b>  RHENALYN D. CABRERA SUPERVISOR	<b>REVIEWED BY</b>  MARIA VIVIEN M. TANCO PRINCIPAL ENGINEER A	<b>APPROVED BY</b>  ATTY. CESAR M. DATU ACTING PORT MANAGER	<b>SHEET CONTENT</b> 1. TRENCHING DETAIL 2. CONCRETE PAVEMENT PART PLAN SHOWING THE REBARS 3. JOINT DETAIL	<b>DATE:</b> 6/27/2018
--	--	---	--	---	--	---	------------------------



NOTE:

1. USE PRIMER (WHITE) AND USE REFLECTORIZED PAINT TWO COATS TO ALL CONCRETE STRUCTURES.
2. USE MARINE EPOXY PRIMER (GRAY) AND USE MARINE EPOXY ENAMEL PAINT TWO COATS TO ALL STEEL STRUCTURES.

GATE VALVE

FIRE HYDRANT CONNECTION

GATE VALVE

WATER SUPPLY CONNECTION

850

FIRE HYDRANT CONNECTION

HINGES

WATER SUPPLY CONNECTION

.64mm THK (GA.22) G.I SHEET

CABINET DEADBOLT LOCK

200

25mmØ OPENING

12mmØ X 1 1/2" LONG BOLT WITH DOUBLE EXPANSION SLEEVE

38mmX38mmX 5mmTHK ANGLE BAR FRAME

.64mm THK (GA.22) G.I SHEET

1000

25mmØ DRAIN OPENING

850

38mmX38mmX5mmTHK ANGLE BAR FRAME

25mmØ OPENING

200

TOP & BOTTOM

SIDE

ISOMETRIC

FIRE HOSE SIZE 2 1/2" x 200FT. DOUBLE RED JACKET, 1 PC. 2 1/2" STRAIGHT HOSE BRASS, 1 PC. 2 1/2" HOSE NIPPLE BRASS, 1 PC. 2 1/2" HOSE ANGLE VALVE W/ COMPLETE WORKING/LABELS.

FIRE HOSE CABINET TO BE PAINTED (COLOR SUBJECT FOR APPROVAL OF PPA)



**Project:** REPAIR / REHABILITATION OF PORT WATER PIPELINES

**Location:** PORT OF GENERAL SANTOS, MAKAR WHARF, GENERAL SANTOS CITY

**Cost:** Php (contract amount)

**Fund Source/s:** Corporate Funds

IMPLEMENTING AGENCY: PHILIPPINE PORTS AUTHORITY, PORT MANAGEMENT OFFICE - SOCSARGEN  
CONTRACTOR: (COMPANY NAME OF THE CONTRACTOR)  
BRIEF DESCRIPTION OF PROJECT: REPAIR / REHABILITATION OF PORT WATER PIPELINES

PROJECT DETAILS:

PROJECT DATE		PROJECT STATUS			REMARKS
DURATION	STARTED	TARGET DATE OF COMPLETION	PERCENTAGE OF COMPLETION	AS OF (DATE)	

FOR PARTICULARS OR COMPLAINTS ABOVE THIS PROJECT, PLEASE CONTACT THE REGIONAL OFFICE OR CLUSTER WHICH HAS AUDIT JURISDICTION ON THIS PROJECT:

COA REGIONAL OFFICE NO./CLUSTER: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CONTACT NO.: \_\_\_\_\_ OR TEXT COA CITIZEN'S DESK AT 0915-539-1975.

NOTE: TARPAULIN WHITE 8 FEET BY 8 FEET. RESOLUTION: 70 dpi. FONT: HELVETICA.  
FONT SIZE: MAIN INFORMATION - 3", SUB-INFORMATION - 1". FONT COLOR: BLACK. (BASE ON COA CIRCULAR NO. 2013-004 DATED JANUARY 30, 2013. "INFORMATION AND PUBLICITY ON PROGRAMS / PROJECTS / ACTIVITIES OF GOVERNMENT AGENCIES".

**FIRE HOSE CABINET DETAIL**  
SCALE 1:15

**COA STANDARD BILLBOARD DESIGN**  
SCALE 1:15 METERS

	PROJECT TITLE REPAIR / REHABILITATION OF PORT WATER PIPELINES		REVIEWED BY:  MARIA VIVIEN M. TANCO PRINCIPAL ENGINEER A	CHECKED BY:  RHEA MAE P. CABRERA SUPERVISED ENGINEER A	PREPARED BY:  JOE CARLO I. SORIANO ENGINEERING ASSISTANT (U.O.)	DATE: 8/18/2018	
	LOCATION PORT OF GENERAL SANTOS, MAKAR WHARF, GENERAL SANTOS CITY						
SHEET CONTENT 1. FIRE HOSE CABINET DETAIL 2. COA STANDARD BILLBOARD DESIGN			APPROVED BY:  ATTY. CESAR B. DATU ACTING PORT MANAGER		7/7		