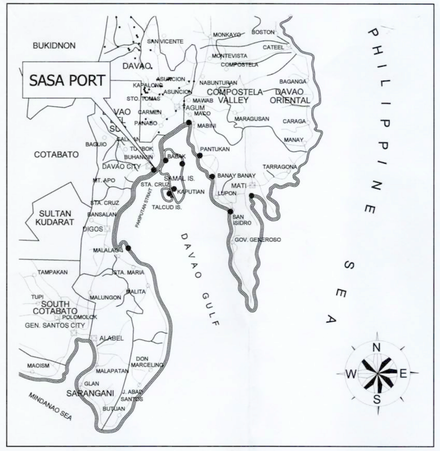
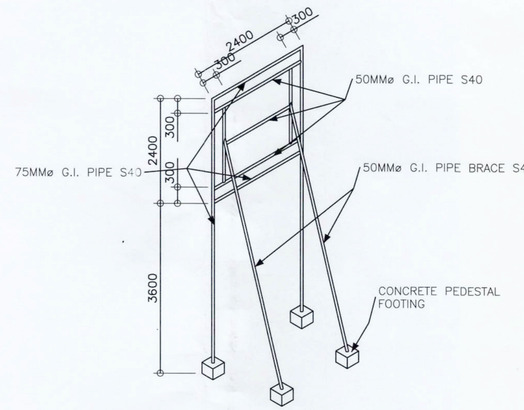
SHT. NO.	DESCRIPTION
01	VICINITY MAP LOCATION PLAN COA BILLBOARD DETAIL SHEET CONTENTS
02	BLOW–UP PLAN OF PHASE 1
03	DETAIL OF CONCRETE BLOCKS JOINT DETAIL OF CONCRETE CURB AND SHEAR LOCK TYP. CROSS SEC. OF INTERLOCKING CONC. BLK. PLACING PATTERN OF INTERLOCKING CONC. BLK.
04	MANHOLE AND CATCH DRAIN DETAILS
05	EXISTING LINE DRAINAGE LAYOUT PLAN

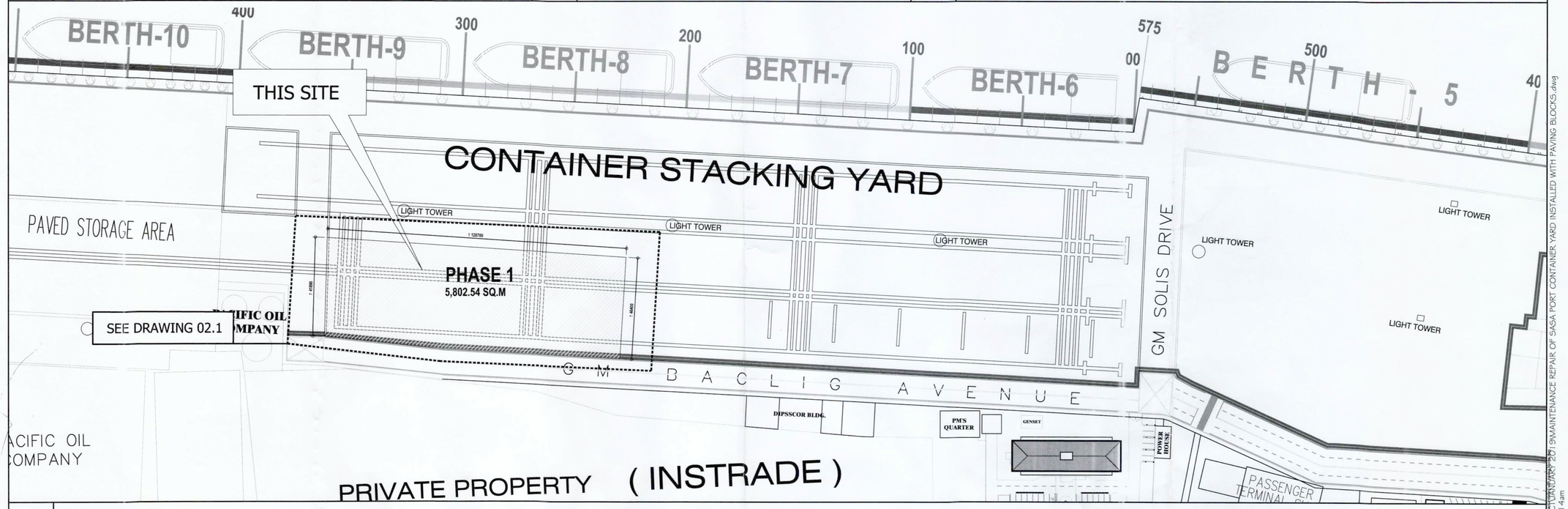
01.1 SHEET CONTENTS
SCALE 1:NTS METERS



01.3 VICINITY MAP
SCALE 1:NTS METERS



01.4 COA BILLBOARD FRAMING DETAIL
SCALE 1:70 METERS



01.2 LOCATION PLAN
SCALE 1:1000 METERS

PHILIPPINE PORTS AUTHORITY
PMO DAVAO

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APROVED BY:
VICTOR A. JASPE ENGINEERING ASSISTANT–A	LARA SIMONE L. ABA SENIOR ENGINEER A	ASTERIO C. GALLARDO, JR. ESD MANAGER	ANALEE G. AGUILA PORT MANAGER

OWNER: ANALEE G. AGUILA, PORT MANAGER

SHEET CONTENTS:
VICINITY MAP
LOCATION PLAN
SHEET CONTENTS
COA BILLBOARD FRAMING DETAIL

PROJECT TITLE: MAINTENANCE REPAIR OF SASA PORT CONTAINER YARD INSTALLED WITH PAVING BLOCKS (PHASE 1)

LOCATION: SASA PORT AREA, KM. 10 SASA, DAVAO CITY

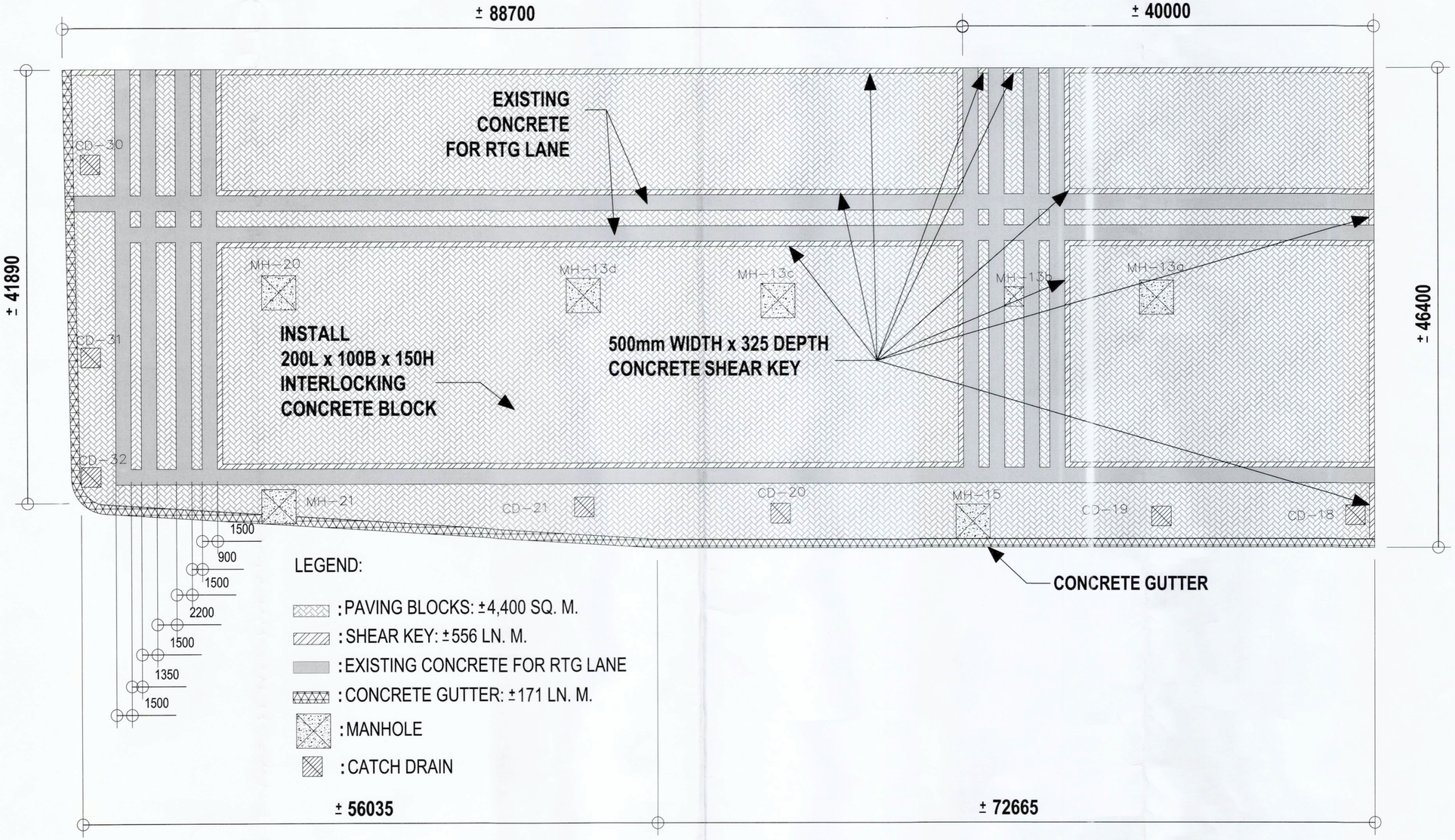
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PROJECT	
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PLOTTED DATE : Jan 25, 2019 - 10:14am



02.1 BLOW-UP PLAN OF PHASE 1
SCALE 1: 225 METERS

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PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APROVED BY:
VICTOR A. JASPE ENGINEERING ASSISTANT-A	LARA SIMONE L. ABA SENIOR ENGINEER A	ASTERIO C. GALLARDO, JR. ESD MANAGER	ANALEE G. AGUILA PORT MANAGER

OWNER: ANALEE G. AGUILA, PORT MANAGER

SHEET CONTENTS: BLOW-UP PLAN OF PHASE 1

PROJECT TITLE: MAINTENANCE REPAIR OF SASA PORT CONTAINER YARD INSTALLED WITH PAVING BLOCKS (PHASE 1)

LOCATION: SASA PORT AREA, KM. 10 SASA, DAVAO CITY

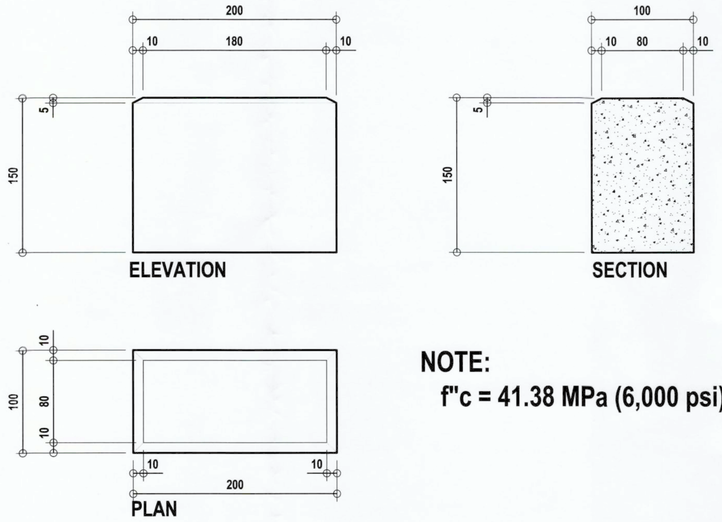
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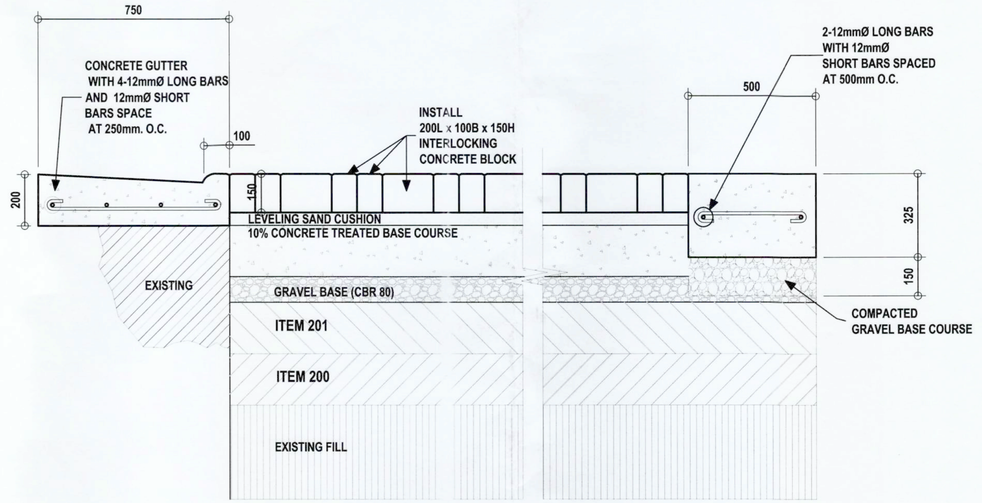
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CAD FILE ENCOUNTERED DATA: PROTECTED FOR ANALYSIS
PLOTTED BY: ESD data
PLOTTED DATE : Jan 25, 2019 - 10:15am
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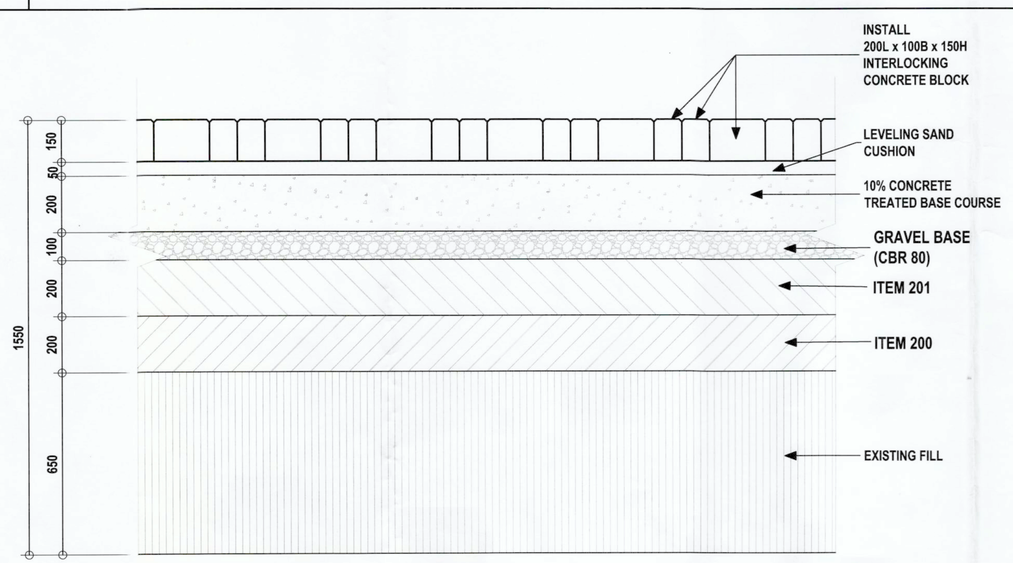


NOTE:
f"c = 41.38 MPa (6,000 psi)

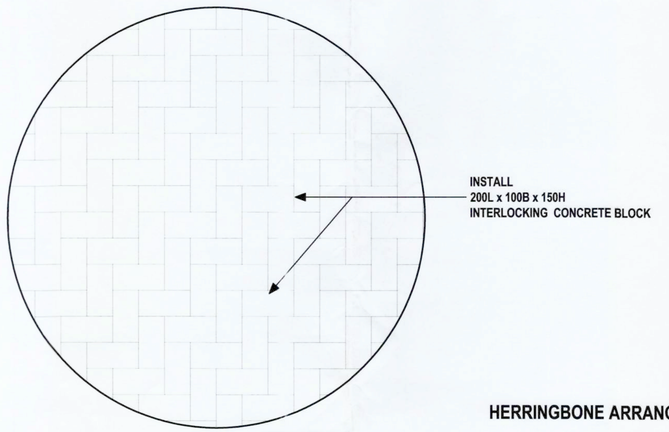
03.1 DETAIL OF CONCRETE BLOCKS
SCALE 1:3 METERS



03.2 JOINT DET. AT CONCRETE CUTTER & SHEAR LOCK
SCALE 1:10 METERS



03.3 TYP. CROSS SEC. OF INTERLOCKING CONC. BLK.
SCALE 1:10 METERS



HERRINGBONE ARRANGEMENT

03.4 PLACING PATTERN OF INTERLOCKING CONC. BLK.
SCALE 1:5 METERS

PHILIPPINE PORTS AUTHORITY
PMO DAVAO

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APROVED BY:
VICTOR A. JASPE ENGINEERING ASSISTANT–A	LARA SIMONE L. ABA SENIOR ENGINEER A	ASTERIO C. GALLARDO, JR. ESD MANAGER	ANALEE G. AGUILA PORT MANAGER

OWNER: ANALEE G. AGUILA, PORT MANAGER

SHEET CONTENTS:
DETAIL OF CONCRETE BLOCKS
JOINT DET. AT CONCRETE CURB & SHEAR LOCK
TYP. CROSS SEC. OF INTERLOCKING CONC. BLK.
PLACING PATTERN OF INTERLOCKING CONC. BLK.

PROJECT TITLE: MAINTENANCE REPAIR OF SASA PORT CONTAINER YARD INSTALLED WITH PAVING BLOCKS (PHASE 1)

LOCATION: SASA PORT AREA, KM.10 SASA, DAVAO CITY

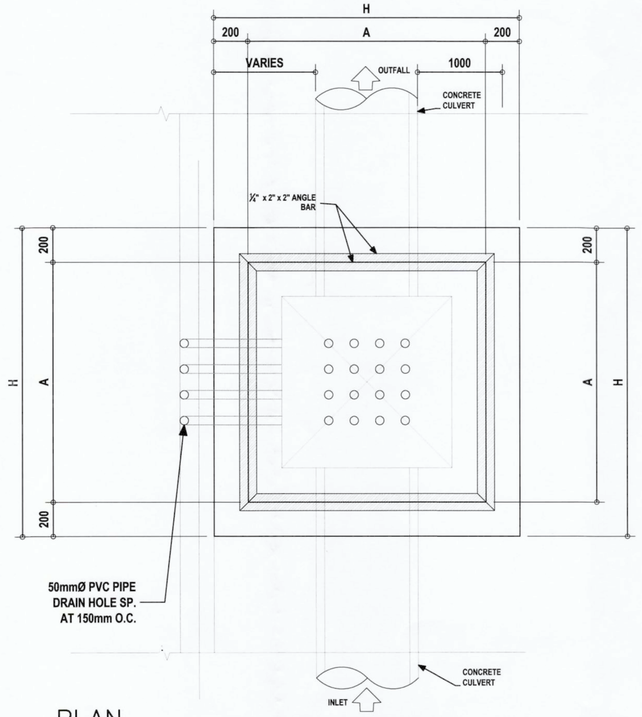
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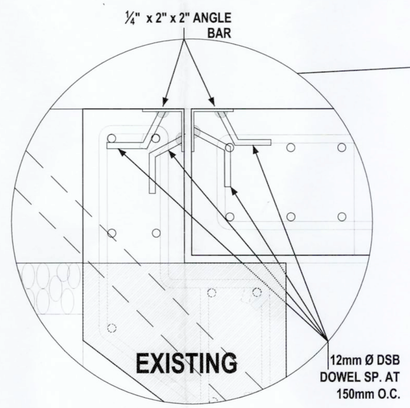
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DATE DRAWN 1/12/19
DATE UPDATED 1/16/19

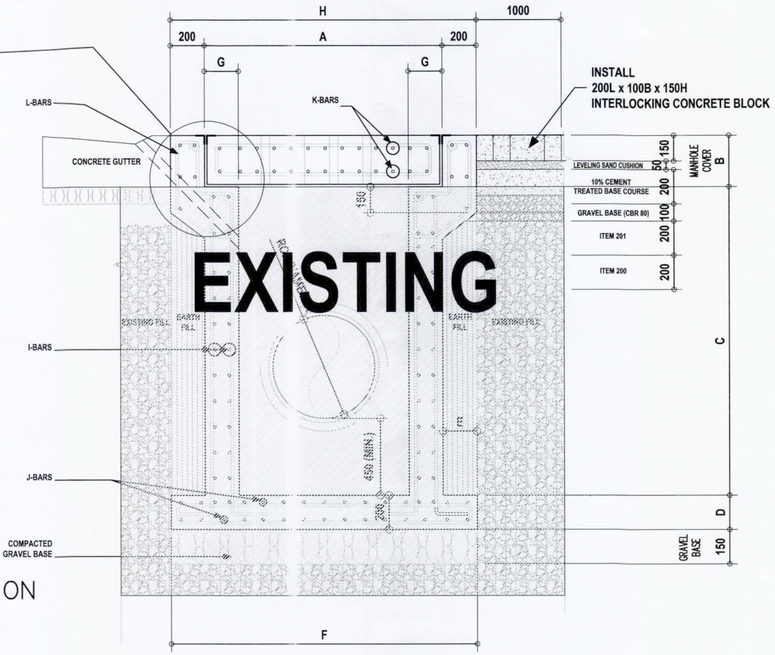
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PLOTTED DATE : Jan 26, 2019 - 11:59am



PLAN





SECTION

MH/CD NO.	MANHOLE/CATCH DRAIN DIMENSIONS								REINFORCING BARS AT WALLS, BOTTOM SLAB, COVER & CORBEL				50mmø HOLES ON COVER
	A	B	C	D	E	F	G	H	I-BARS (WALLS)	J-BARS (BOTTOM SLAB)	K-BARS (COVER)	L-BARS (CORBEL)	STIRRUPS
	mm	mm	mm	mm	mm	mm	mm	mm	Ømm	Ømm	Ømm	Ømm	Ømm
MH-13a	1200	200	VAR.	150	100	1500	200	1600	16 @ 350mm HORT. & VERT.	12 @ 230mm BOTH WAYS	16 @ 100mm TOP & BOT.	5-16 W/12 @ 230mm O.C.	4 ROWS, 4 COL. @ 200 O.C.
MH-13b	1600	200	VAR.	150	100	1500	200	2000	16 @ 350mm HORT. & VERT.	12 @ 230mm BOTH WAYS	20 @ 100mm TOP & BOT.	5-16 W/12 @ 230mm O.C.	4 ROWS, 4 COL. @ 200 O.C.
MH-13c	1350	200	VAR.	150	100	1500	200	1750	16 @ 350mm HORT. & VERT.	12 @ 230mm BOTH WAYS	16 @ 100mm TOP & BOT.	5-16 W/12 @ 230mm O.C.	4 ROWS, 4 COL. @ 200 O.C.
MH-13d	1350	200	VAR.	150	100	1500	200	1750	16 @ 350mm HORT. & VERT.	12 @ 230mm BOTH WAYS	16 @ 100mm TOP & BOT.	5-16 W/12 @ 230mm O.C.	4 ROWS, 4 COL. @ 200 O.C.
MH-15	1000	200	VAR.	150	100	1500	200	1400	16 @ 350mm HORT. & VERT.	12 @ 230mm BOTH WAYS	16 @ 100mm TOP & BOT.	5-16 W/12 @ 230mm O.C.	3 ROWS, 3 COL. @ 200 O.C.
MH-20	1400	200	VAR.	150	100	1500	200	1800	16 @ 350mm HORT. & VERT.	12 @ 230mm BOTH WAYS	16 @ 100mm TOP & BOT.	5-16 W/12 @ 230mm O.C.	4 ROWS, 4 COL. @ 200 O.C.
MH-21	1000	200	VAR.	150	100	1500	200	1400	16 @ 350mm HORT. & VERT.	12 @ 230mm BOTH WAYS	16 @ 100mm TOP & BOT.	5-16 W/12 @ 230mm O.C.	3 ROWS, 3 COL. @ 200 O.C.
CD-18	1000	200	VAR.	150	100	1500	200	1400	16 @ 350mm HORT. & VERT.	12 @ 230mm BOTH WAYS	16 @ 100mm TOP & BOT.	5-16 W/12 @ 230mm O.C.	3 ROWS, 3 COL. @ 200 O.C.
CD-19	1000	200	VAR.	150	100	1500	200	1400	16 @ 350mm HORT. & VERT.	12 @ 230mm BOTH WAYS	16 @ 100mm TOP & BOT.	5-16 W/12 @ 230mm O.C.	3 ROWS, 3 COL. @ 200 O.C.
CD-20	1200	200	VAR.	150	100	1500	200	1600	16 @ 350mm HORT. & VERT.	12 @ 230mm BOTH WAYS	16 @ 100mm TOP & BOT.	5-16 W/12 @ 230mm O.C.	4 ROWS, 4 COL. @ 200 O.C.
CD-21	1300	200	VAR.	150	100	1500	200	1700	16 @ 350mm HORT. & VERT.	12 @ 230mm BOTH WAYS	16 @ 100mm TOP & BOT.	5-16 W/12 @ 230mm O.C.	4 ROWS, 4 COL. @ 200 O.C.
CD-30	1500	200	VAR.	150	100	1500	200	1900	16 @ 350mm HORT. & VERT.	12 @ 230mm BOTH WAYS	20 @ 100mm TOP & BOT.	5-16 W/12 @ 230mm O.C.	4 ROWS, 4 COL. @ 200 O.C.
CD-31	1500	200	VAR.	150	100	1500	200	1900	16 @ 350mm HORT. & VERT.	12 @ 230mm BOTH WAYS	20 @ 100mm TOP & BOT.	5-16 W/12 @ 230mm O.C.	4 ROWS, 4 COL. @ 200 O.C.
CD-32	1200	200	VAR.	150	100	1500	200	1600	16 @ 350mm HORT. & VERT.	12 @ 230mm BOTH WAYS	16 @ 100mm TOP & BOT.	5-16 W/12 @ 230mm O.C.	4 ROWS, 4 COL. @ 200 O.C.

04.1 MANHOLE AND CATCH DRAIN DETAILS
SCALE 1: 20 METERS

PHILIPPINE PORTS AUTHORITY PMO DAVAO

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APROVED BY:	OWNER:
VICTOR A. JASPE ENGINEERING ASSISTANT-A	LARA SIMONE L. ABA SENIOR ENGINEER A	ASTERIO C. GALLARDO, JR. ESD MANAGER	ANALEE G. AGUILA PORT MANAGER	ANALEE G. AGUILA PORT MANAGER

SHEET CONTENTS: MANHOLE AND CATCH DRAIN DETAILS

PROJECT TITLE: MAINTENANCE REPAIR OF SASA PORT CONTAINER YARD INSTALLED WITH PAVING BLOCKS (PHASE 1)

LOCATION: SASA PORT AREA, KM. 10 SASA, DAVAO CITY

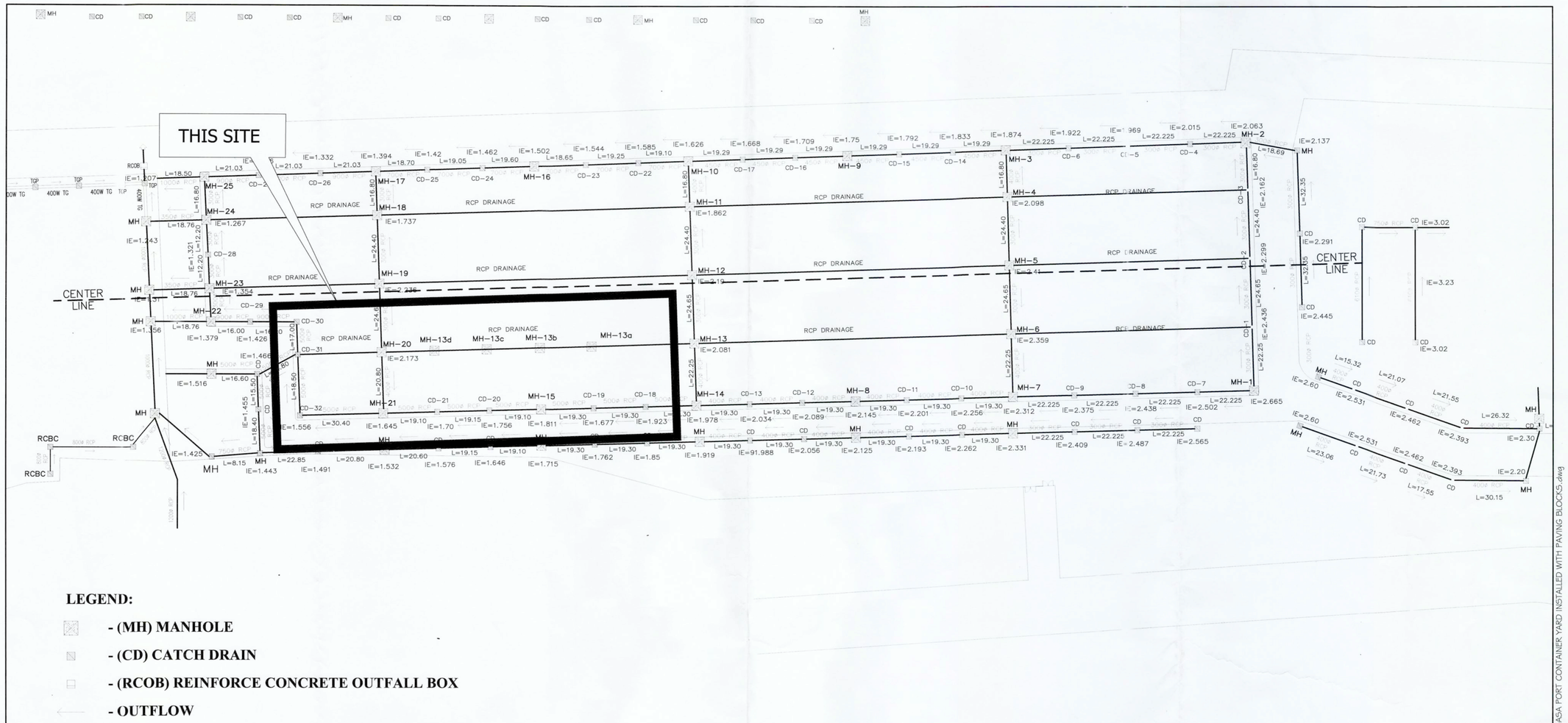
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DATE DRAWN 1/12/19
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PLOTTED DATE : Jan 25, 2019 - 10:15am



LEGEND:

- (MH) MANHOLE
- (CD) CATCH DRAIN
- (RCOB) REINFORCE CONCRETE OUTFALL BOX
- OUTFLOW
- IE - INTERVAL ELEVATION
- TG - TRENCH GRATING
- TGP - TRENCH GRATE PANEL
- RCP - REINFORCE CULVERT PIPE

05.1 EXISTING LINE DRAINAGE LAYOUT PLAN (REFERENCE)
SCALE 1: 850 METERS

PHILIPPINE PORTS AUTHORITY PMO DAVAO

PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL BY:	APROVED BY:	OWNER:	PROJECT TITLE:	REVISIONS	SHEET NO.	OF
VICTOR A. JASPE ENGINEERING ASSISTANT–A	LARA SIMONE L. ABA SENIOR ENGINEER A	ASTERIO C. GALLARDO, JR. ESD MANAGER	ANALEE G. AGUILA PORT MANAGER	ANALEE G. AGUILA PORT MANAGER SHEET CONTENTS: EXISTING LINE DRAINAGE LAYOUT PLAN	MAINTENANCE REPAIR OF SASA PORT CONTAINER YARD INSTALLED WITH PAVING BLOCKS (PHASE 1) LOCATION: SASA PORT AREA, KM. 10 SASA, DAVAO CITY	DATE / REMARKS ADDENDUM NO. PROJECT DATE DRAWN	05	5

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