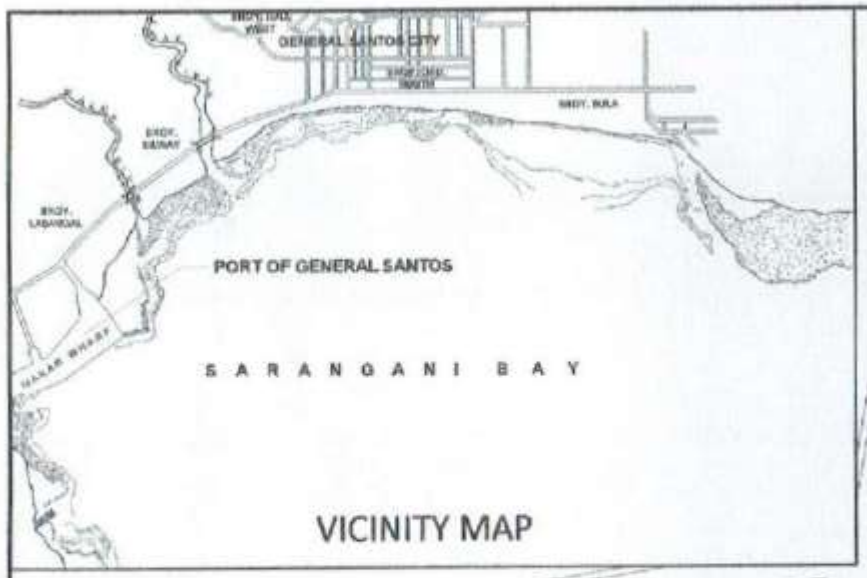


VICINITY MAP

TO MARBEL/GENSAN

TO GEN. SANTOS CITY

TO KIAMBA

CHASSIS STORAGE YARD

CY I

CY II

CY III

CY IV

TS NO. 1

TS NO. 2

TS NO. 3

CAL. 100

CAL. 150, 155, 160, 166

CAL. 183

CAL. 210

CAL. 570-580, 585-590,600 AND 610-615

LEGEND:

① LOCATION OF SETTLED PAVING BLOCKS TO BE REPAIRED (PART OF CY I - 3m X 43m)

② LOCATION FOR INSTALLATION OF 1.120m x 1.120m CATCH BASIN STEEL GRATING COVER

③ LOCATION OF DAMAGED 1.10m x 1.10m STEEL MANHOLE COVER

④–⑰ LOCATION OF DAMAGED CONCRETE PAVEMENT TO BE PATCHED (4,5,6,7,8,9,10,11, 12,13,14,15,16,17)

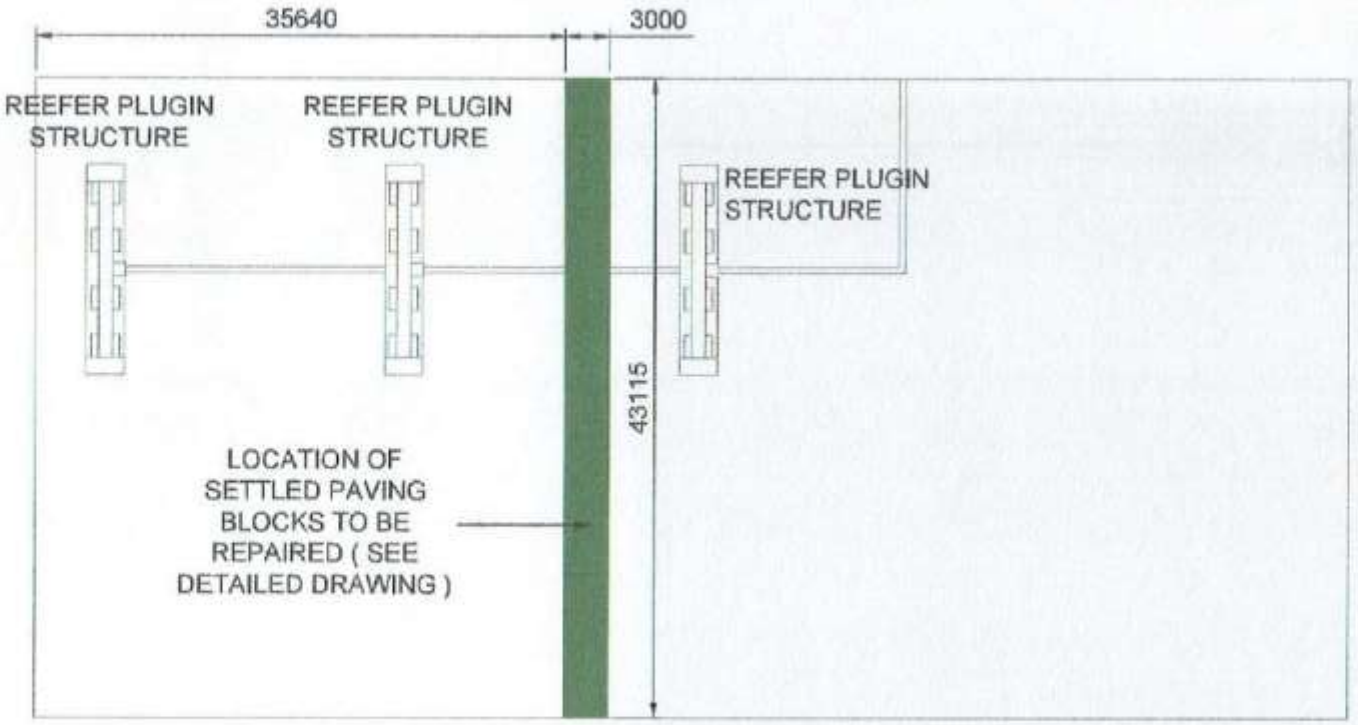
DAMAGED CONCRETE CURB TO BE DEMOLISHED AND INSTALL NEW RC CURB (CAL. 100, 150, 155, 160, 166, 183 & 210)

CONCRETE CURB TO BE INSTALLED (CAL. 570-580, 585-590, 600 AND 610-615)

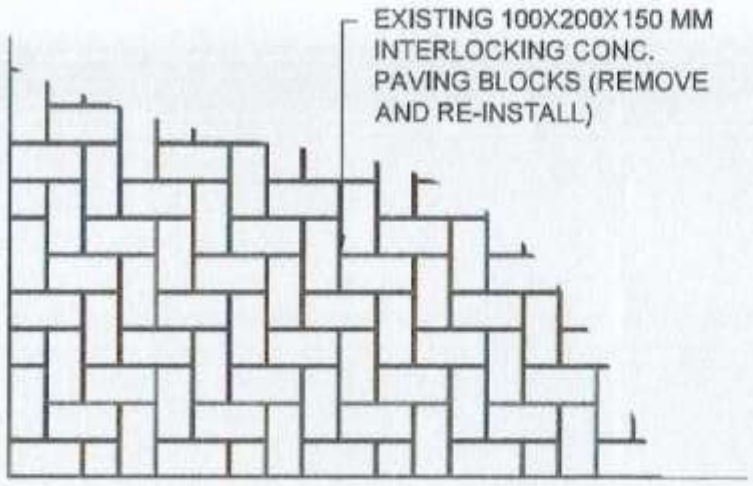
LOCATION PLAN
SCALE 1:2500

PHILIPPINE PORTS AUTHORITY

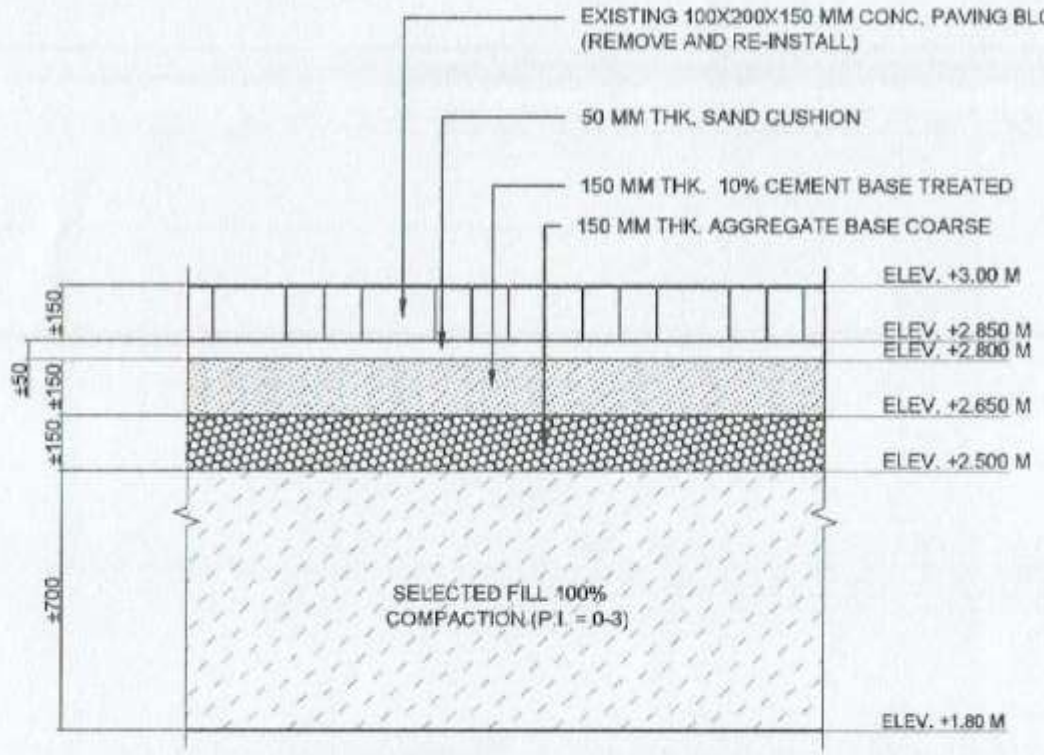
PROJECT TITLE: MAINTENANCE OF CONCRETE PAVEMENT, PAVING BLOCKS, CONCRETE CURBS AND MANHOLE COVER	PREPARED BY: FRANCES JANSE L. MANTOYA, DRAFTSMAN B (CDD)	CHECKED BY: RYAN L. BADAJOS, SENIOR ENGINEER A	REVIEWED BY: MARIA VIVIEN M. TANCO, PRINCIPAL ENGINEER A	RECOMMENDING APPROVAL: JAMES ONIL LEE, BED MANAGER	APPROVED BY: ATTY. CESAR M. DATAYA, PORT MANAGER	SHEET CONTENT: 1. LOCATION PLAN	DATE: 1/11
LOCATION: PORT OF GENERAL SANTOS, MAKAR WHARF, GENERAL SANTOS CITY							



CONTAINER YARD 1 (REPAIR OF SETTLED PAVING BLOCKS
SCALE 1:500

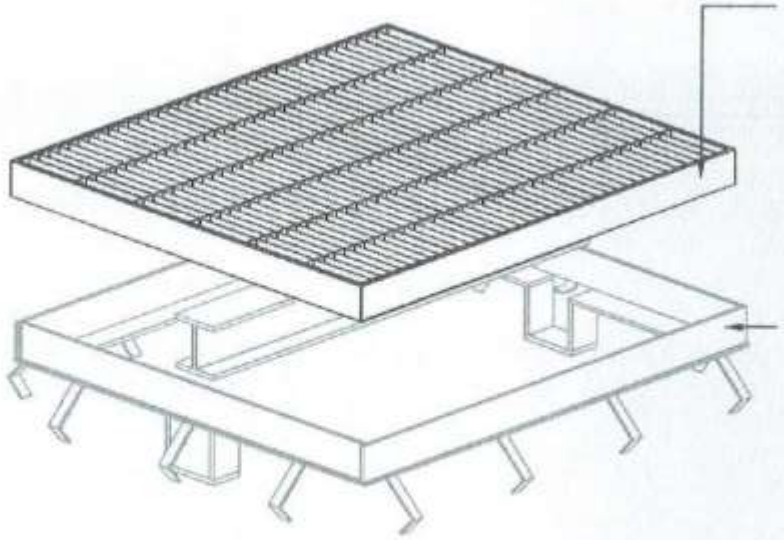


PLACING PATTERN OF INTERLOCKING CONCRETE BLOCKS
SCALE 1:20

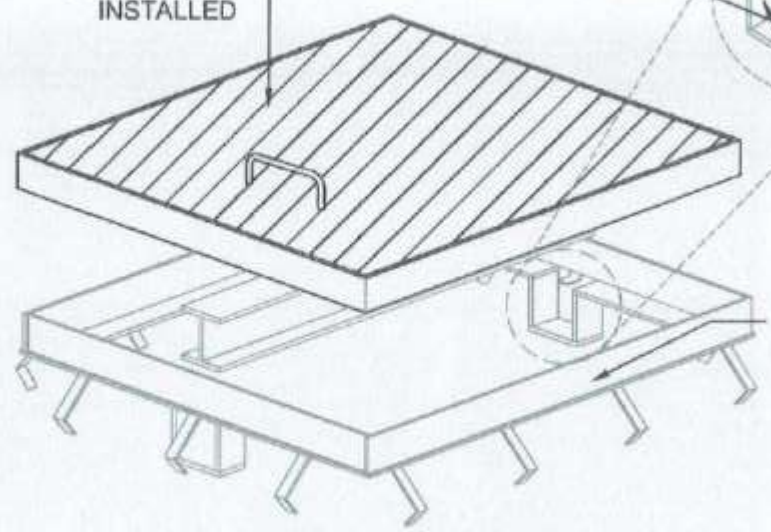


PART SECTION OF CONC. PAVING BLOCKS
SCALE 1:20

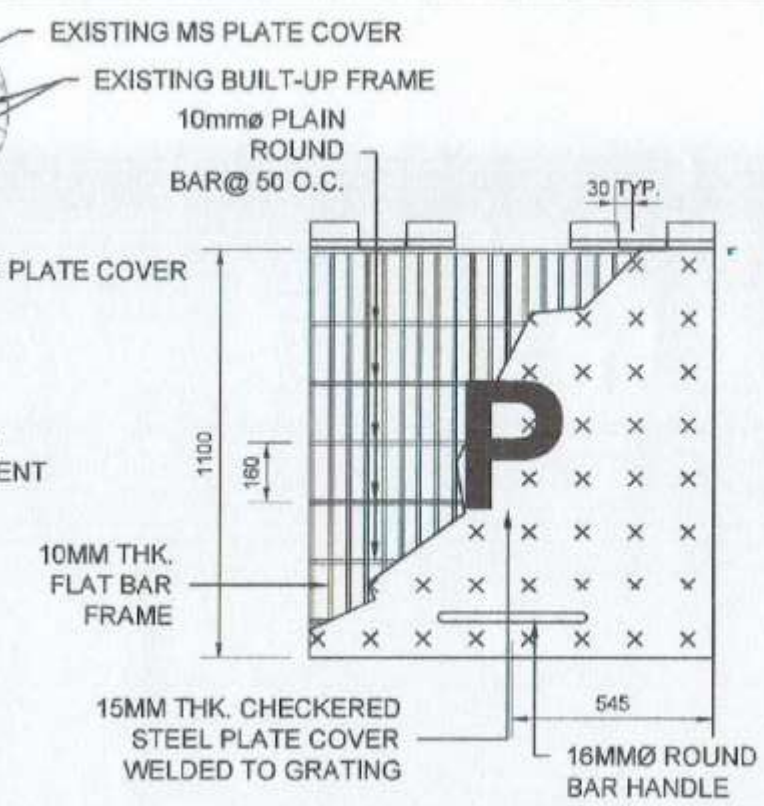
PHILIPPINE PORTS AUTHORITY	PROJECT TITLE: MAINTENANCE OF CONCRETE PAVEMENT, PAVING BLOCKS, CONCRETE CURBS AND MANHOLE COVER LOCATION: PORT OF GENERAL SANTOS, MAKAR WHARF, GENERAL SANTOS CITY	PREPARED BY: FRANCES JANSE L. MANTOYA, DRAFTSMAN II (COS)	CHECKED BY: RYAN L. BADAJOS, SENIOR ENGINEER A	REVIEWED BY: MARIA VIVIEN M. TANCO, PRINCIPAL ENGINEER A	RECOMMENDING APPROVAL: JAMESON L. LEE, SVD MANAGER	APPROVED BY: ATTY. CESAR M. DATAYA, PORT MANAGER	SHEET CONTENT: 1. CONTAINER YARD 1 (REPAIR OF SETTLED PAVING BLOCKS) 2. PART SECTION OF CONC. PAVING BLOCKS 3. PLACING PATTERN OF INTERLOCKING CONCRETE BLOCKS	DATE: 2/11



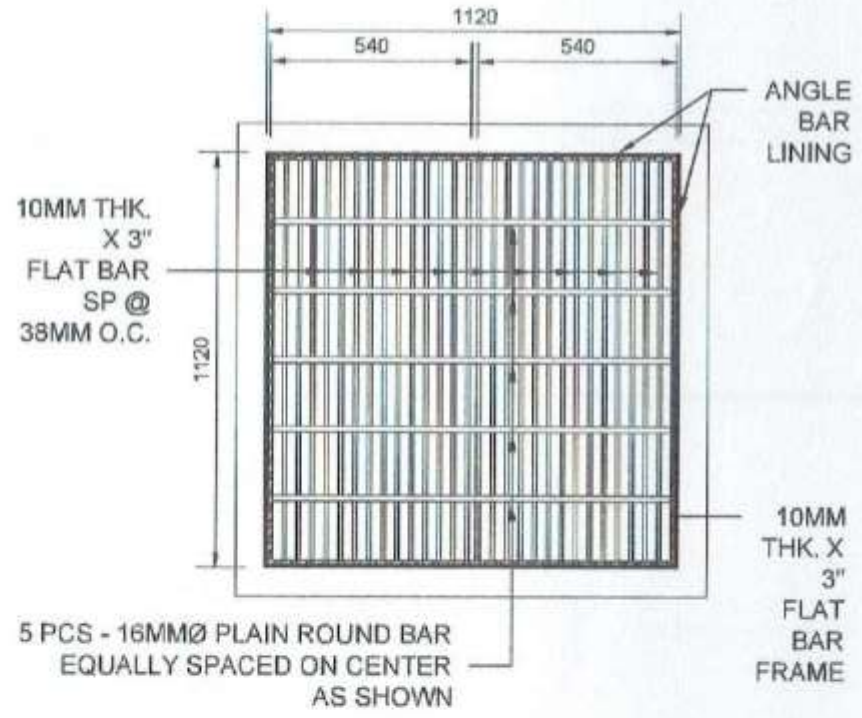
1.120 x 1.120M CATCH BASIN STEEL GRATING COVER PERSPECTIVE
SCALE 1:20



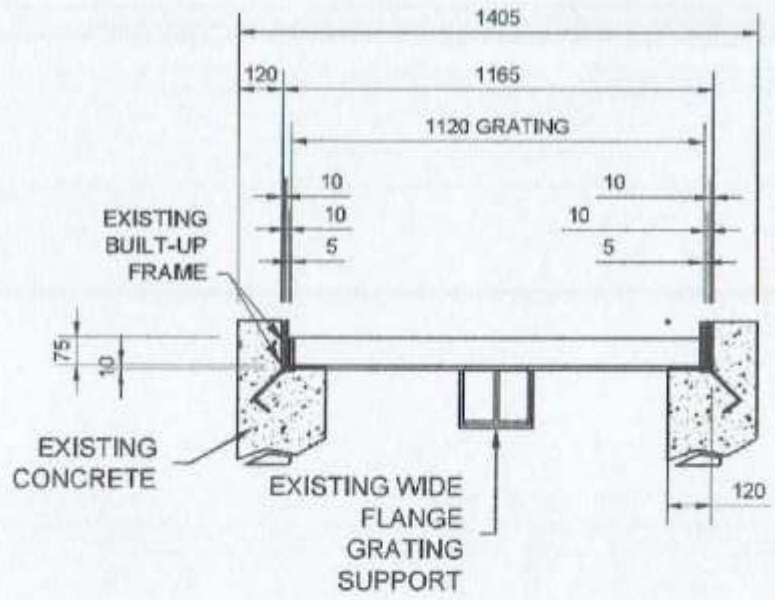
1.10 x 1.10M STEEL MANHOLE COVER ISOMETRIC VIEW
SCALE 1:20



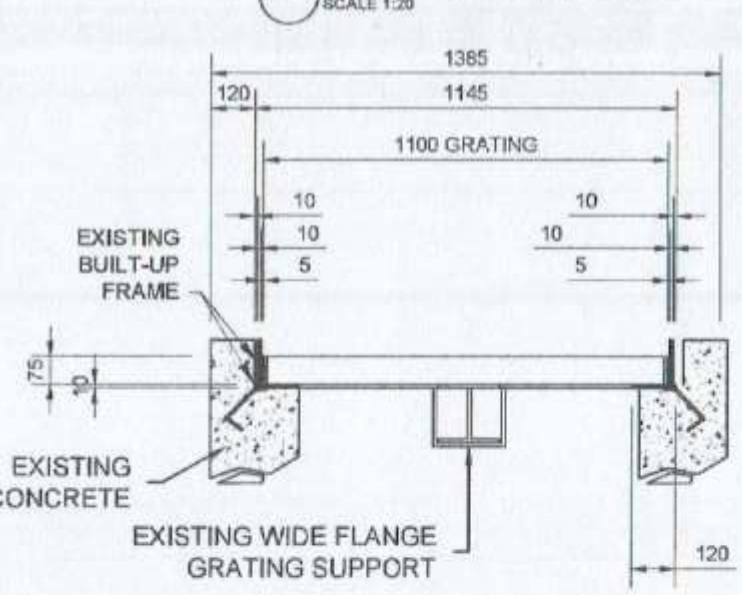
1.10 x 1.10M STEEL MANHOLE COVER PLAN
SCALE 1:20



1.120 x 1.120M CATCH BASIN STEEL GRATING COVER COVER PLAN
SCALE 1:20



1.120 x 1.120M CATCH BASIN STEEL GRATING COVER SECTION VIEW
SCALE 1:20



1.10 x 1.10M STEEL MANHOLE COVER ISOMETRIC VIEW
SCALE 1:20

PHILIPPINE PORTS AUTHORITY

PROJECT TITLE: MAINTENANCE OF CONCRETE PAVEMENT, PAVING BLOCKS, CONCRETE CURBS AND MANHOLE COVER

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

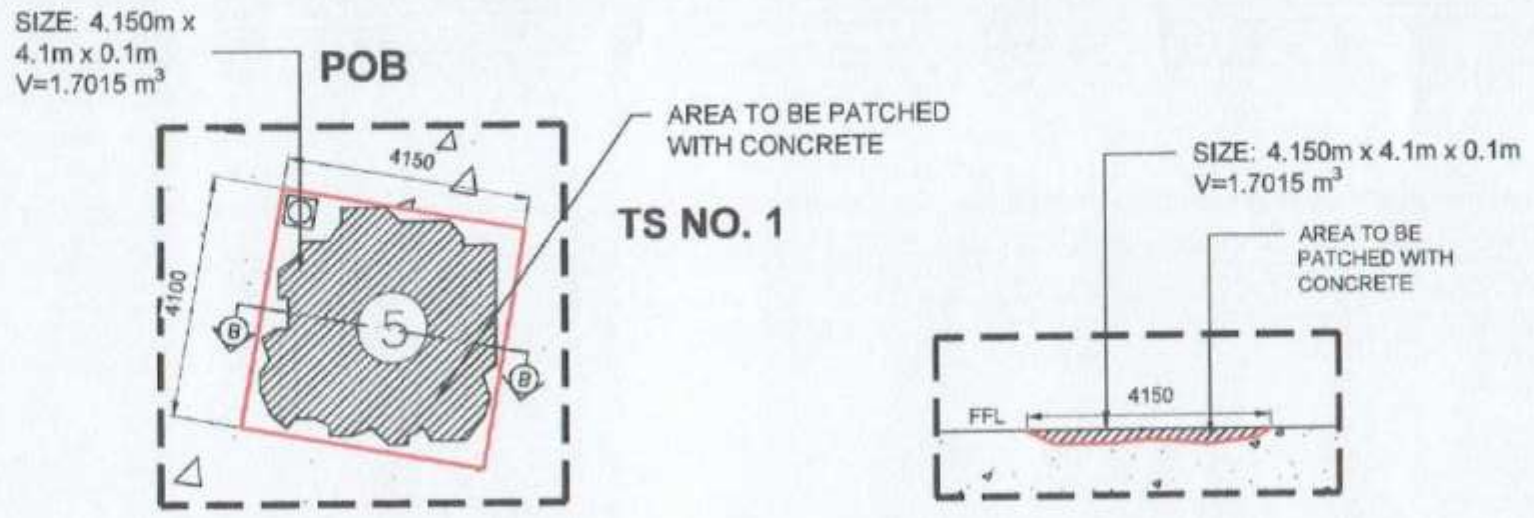
PREPARED BY:	CHECKED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENT:	DATE:
FRANCES JANSE L. MANTOYA, DRAFTSMAN II (COS)	RYAN L. BADAJOS, SENIOR ENGINEER A	MARIA VIVIEN M. TANCO, PRINCIPAL ENGINEER A	JAMESON L. LEE, EDD MANAGER	ATTY. CESAR M. DATAYA, PORT MANAGER	1. 1.120m x 1.120m CATCH BASIN STEEL GRATING COVER PERSPECTIVE 2. 1.120m x 1.120m CATCH BASIN STEEL GRATING COVER COVER PLAN 3. 1.120m x 1.120m CATCH BASIN STEEL GRATING COVER SECTION VIEW 4. 1.10m x 1.10m STEEL MANHOLE COVER ISOMETRIC VIEW 5. 1.10m x 1.10m STEEL MANHOLE COVER PLAN 6. 1.10m x 1.10m STEEL MANHOLE COVER ISOMETRIC VIEW	3/11

LEGEND:

AREA TO BE PATCHED WITH CONCRETE (3500 PSI)

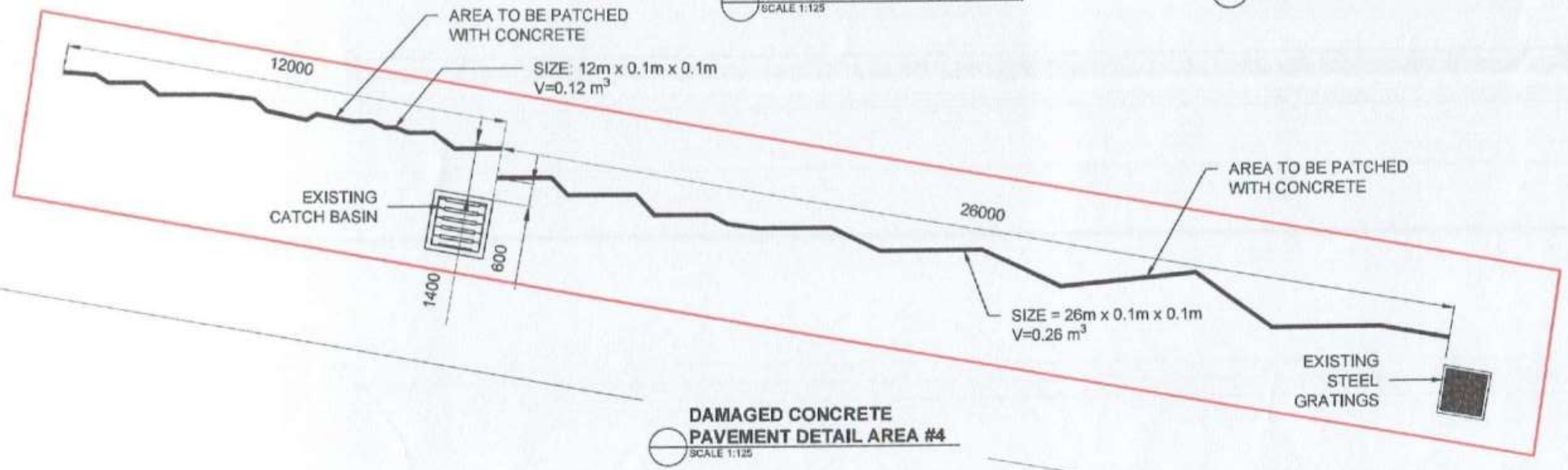
NOTE:

1. CLEAN AND PREPARE SURFACE
2. APPLY CONCRETE EPOXY PRIOR TO POURING OF CONCRETE (3500 PSI)



DAMAGED CONCRETE PAVEMENT DETAIL AREA #5
SCALE 1:125

SECTION VIEW OF AREA #5
SCALE 1:125



DAMAGED CONCRETE PAVEMENT DETAIL AREA #4
SCALE 1:125

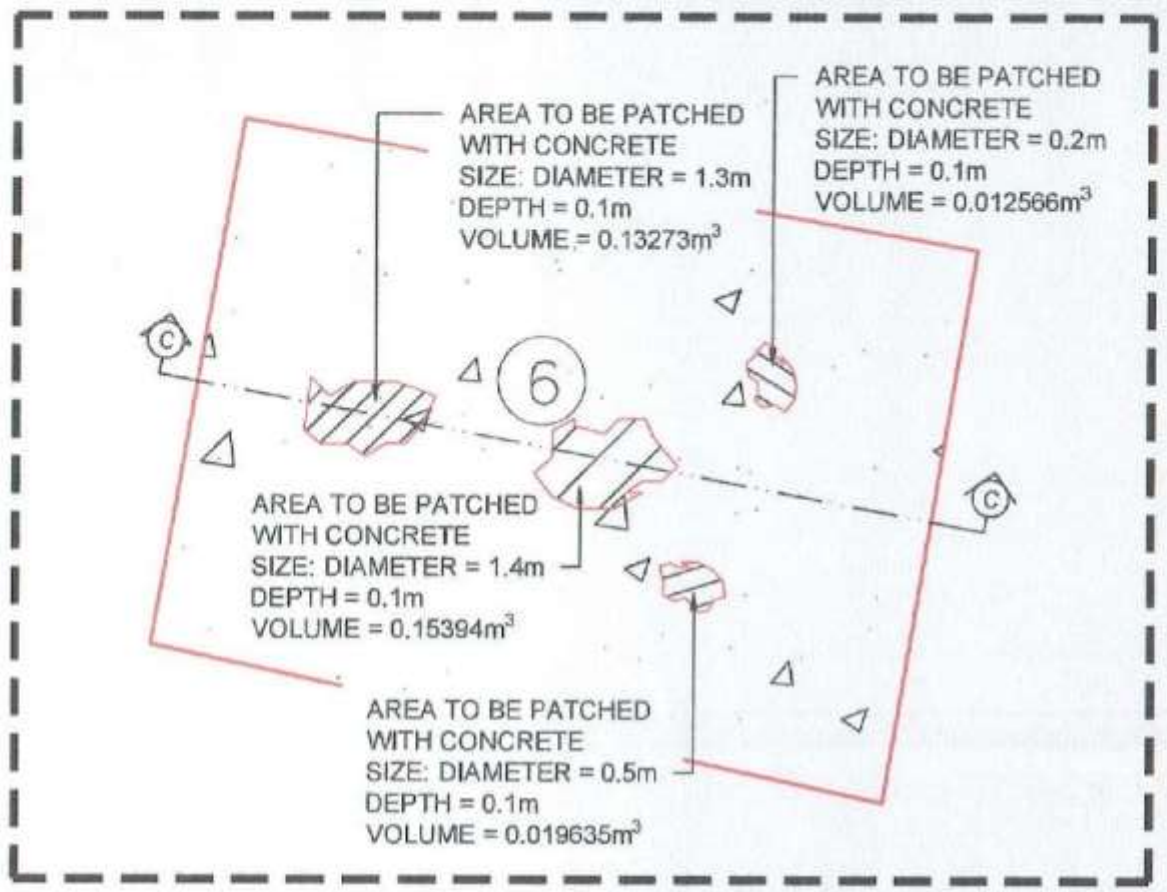
PHILIPPINE PORTS AUTHORITY	PROJECT TITLE: MAINTENANCE OF CONCRETE PAVEMENT, PAVING BLOCKS, CONCRETE CURBS AND MANHOLE COVER LOCATION: PORT OF GENERAL SANTOS, MAKAR WHARF, GENERAL SANTOS CITY	PREPARED BY: FRANCES JANSE L. MANTOYA, DRAFTSMAN II (CO3)	CHECKED BY: RYAN L. BADAJOS, SENIOR ENGINEER A	REVIEWED BY: MARIA VIVIEN M. TANGO, PRINCIPAL ENGINEER A	RECOMMENDING APPROVAL: JAMESON L. LEE, ESD MANAGER	APPROVED BY: ATTY. CESAR M. DATAYA, PORT MANAGER	SHEET CONTENT: 1. DAMAGED CONCRETE PAVEMENT DETAIL AREA #4 2. DAMAGED CONCRETE PAVEMENT DETAIL AREA #5 3. SECTION VIEW OF AREA #5	DATE: 4/11

LEGEND:

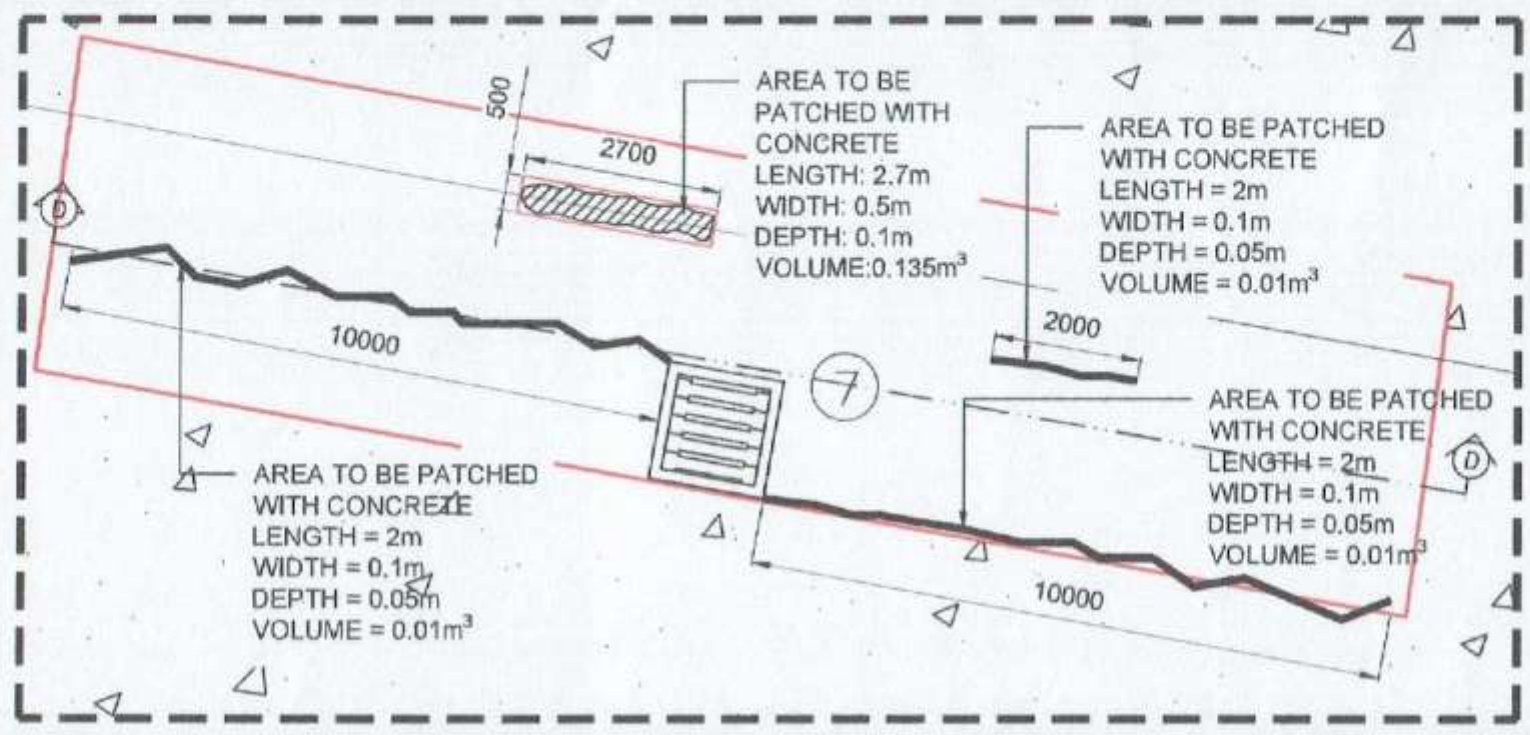
AREA TO BE PATCHED WITH CONCRETE (3500 PSI)

NOTE:

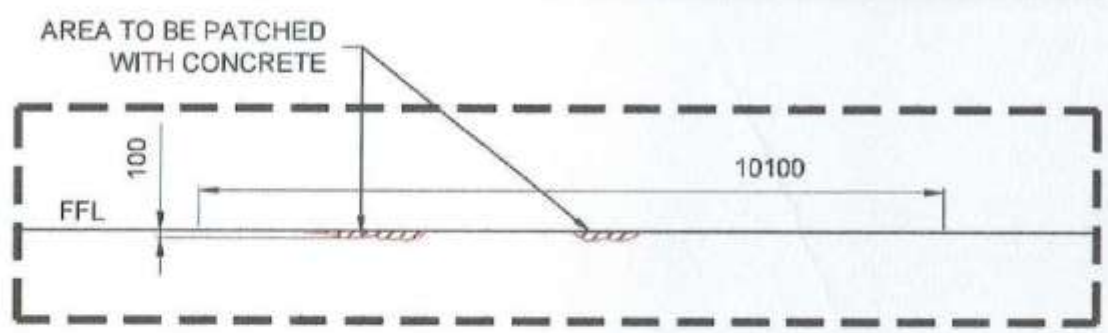
1. CLEAN AND PREPARE SURFACE
2. APPLY CONCRETE EPOXY PRIOR TO POURING OF CONCRETE (3500 PSI)



DAMAGED CONCRETE PAVEMENT DETAIL AREA #6
SCALE 1:100



DAMAGED CONCRETE PAVEMENT DETAIL AREA #7
SCALE 1:100



SECTION VIEW OF AREA #6
SCALE 1:100



SECTION VIEW OF AREA #7
SCALE 1:100

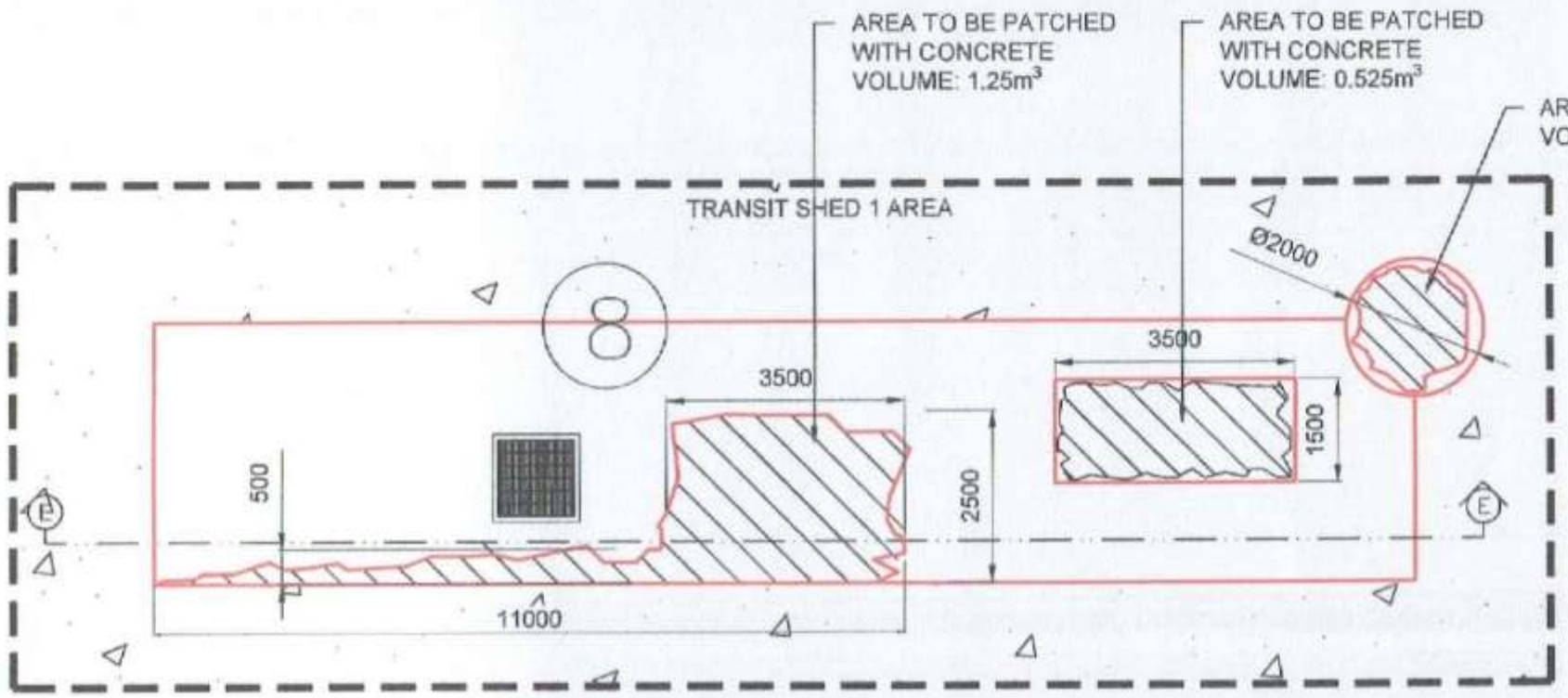
PHILIPPINE PORTS AUTHORITY	PROJECT TITLE: MAINTENANCE OF CONCRETE PAVEMENT, PAVING BLOCKS, CONCRETE CURBS AND MANHOLE COVER LOCATION: PORT OF GENERAL SANTOS, MAKAR WHARF, GENERAL SANTOS CITY	PREPARED BY: FRANCES JANSE L. MANTOYA, DRAFTSMAN II (CCS)	CHECKED BY: RYAN L. BADAJOS, SENIOR ENGINEER A	REVIEWED BY: MARIA VIVIEN M. TANCO, PRINCIPAL ENGINEER A	RECOMMENDING APPROVAL: JAMES ERIL LEE, ESD MANAGER	APPROVED BY: ATTY. CESAR M. DATAYA, PORT MANAGER	SHEET CONTENT: 1. DAMAGED CONCRETE PAVEMENT DETAIL AREA #6 2. SECTION VIEW OF AREA #6 3. DAMAGED CONCRETE PAVEMENT DETAIL AREA #7 4. SECTION VIEW OF AREA #7	DATE: 5/11

LEGEND:

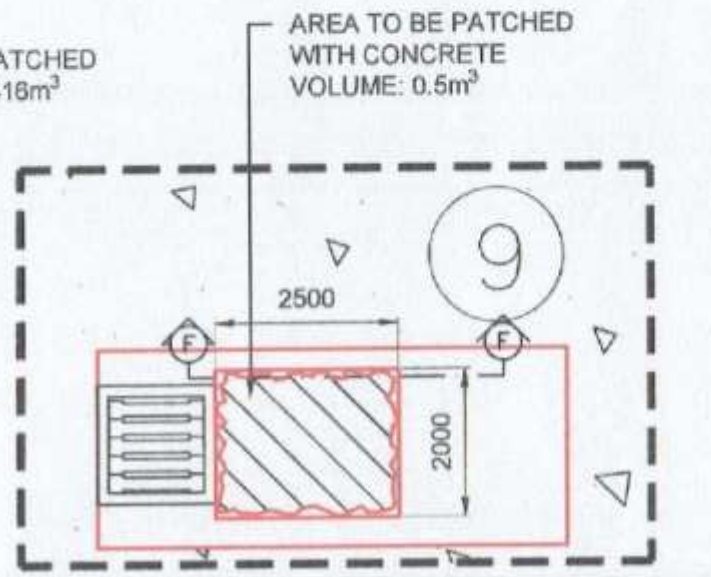
AREA TO BE PATCHED WITH CONCRETE (3500 PSI)

NOTE:

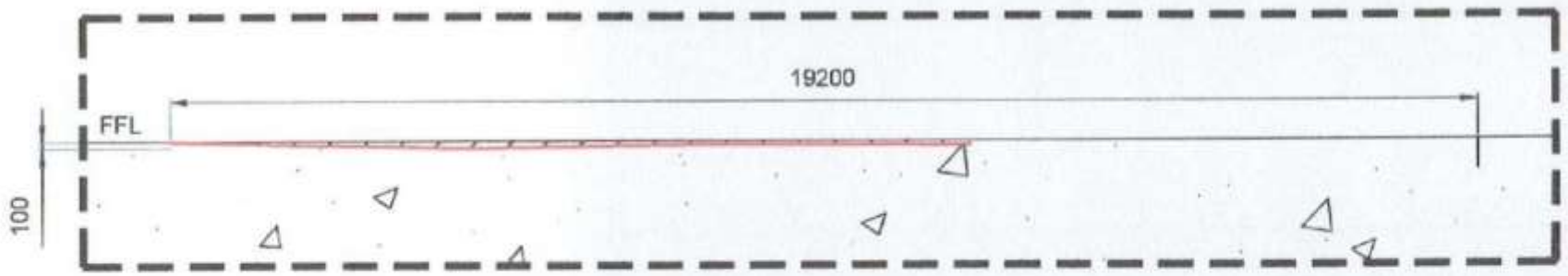
1. CLEAN AND PREPARE SURFACE
2. APPLY CONCRETE EPOXY PRIOR TO POURING OF CONCRETE (3500 PSI)



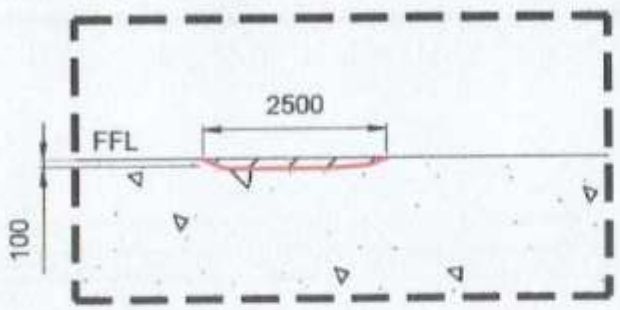
DAMAGED CONCRETE PAVEMENT DETAIL AREA #8
SCALE 1:100



DAMAGED CONCRETE PAVEMENT DETAIL AREA #9
SCALE 1:100



SECTION VIEW OF AREA #8
SCALE 1:100



SECTION VIEW OF AREA #9
SCALE 1:100

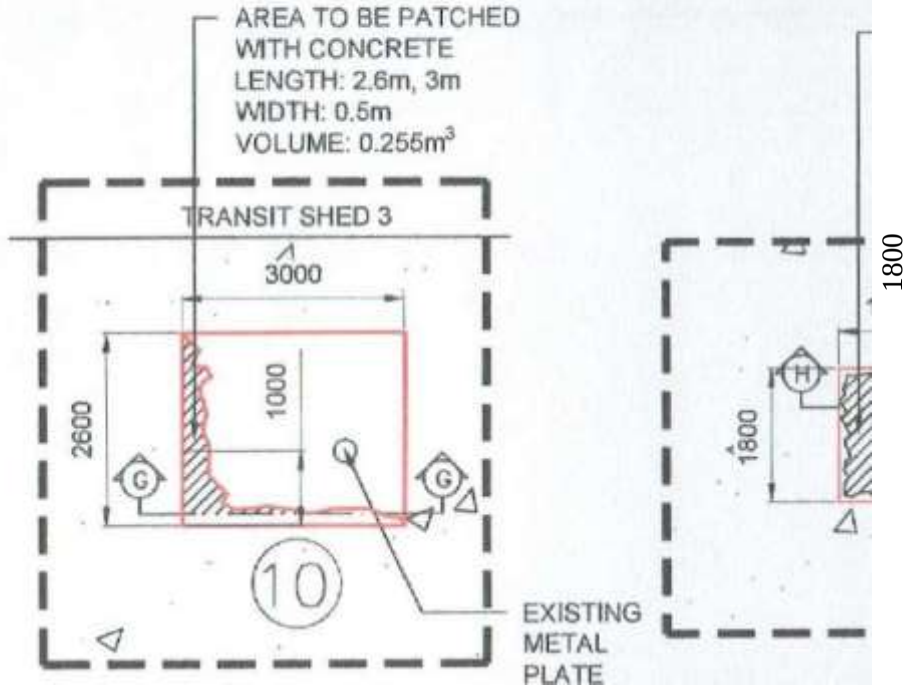
PHILIPPINE PORTS AUTHORITY	PROJECT TITLE: MAINTENANCE OF CONCRETE PAVEMENT, PAVING BLOCKS, CONCRETE CURBS AND MANHOLE COVER LOCATION: PORT OF GENERAL SANTOS, MAKAR WHARF, GENERAL SANTOS CITY	PREPARED BY: FRANCES JANSE L. MANTOYA (DRAFTSMAN II (COS))	CHECKED BY: RYAN L. BADAJOS (SENIOR ENGINEER A)	REVIEWED BY: MARIA VIVIEN M. TARCO (PRINCIPAL ENGINEER A)	RECOMMENDING APPROVAL: JAMESON L. LEE (ISD MANAGER)	APPROVED BY: ATTY. CESAR M. DATAYA (PORT MANAGER)	SHEET CONTENT: 1. DAMAGED CONCRETE PAVEMENT DETAIL AREA #8 2. SECTION VIEW OF AREA #8 3. DAMAGED CONCRETE PAVEMENT DETAIL AREA #9 4. SECTION VIEW OF AREA #9	DATE: 6/11

LEGEND:

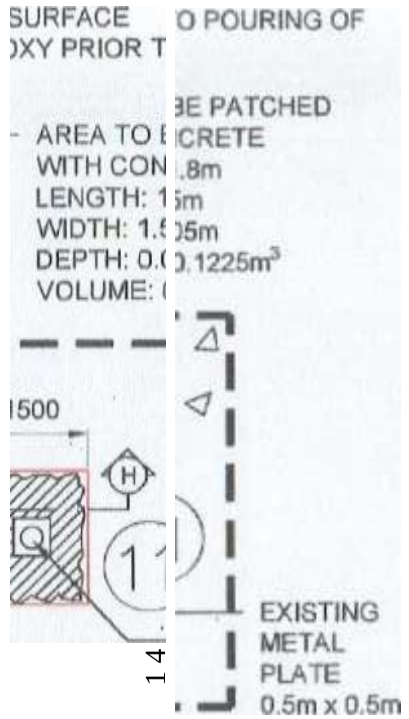
AREA TO BE PATCHED WITH CONCRETE (3500 PSI)

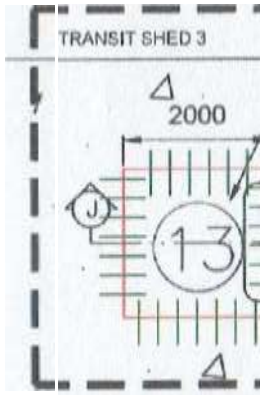
NOTE:

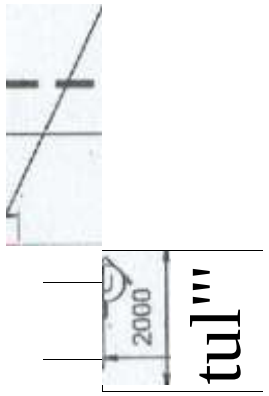
1. CLEAN AND PREPARE
2. APPLY CONCRETE EPO
CONCRETE (3500 PSI)



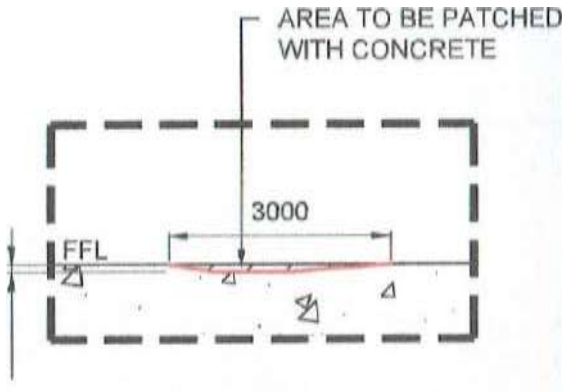
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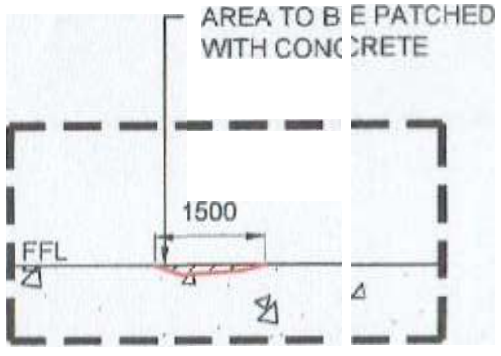
DAMAGED CONCRETE PAVEMENT DETAIL AREA #10
SCALE 1:100



100

SECTION VIEW OF AREA #10
SCALE 1:100

DAMAGED CONCRETE PAVEMENT DETAIL AREA #11
SCALE 1:100



SECTION VIEW OF AREA #11
SCALE 1:100

SECTION VIEW OF
SCALE 1:100

PROJECT TITLE

MAINTENANCE OF CONCRETE PAVEMENT, PAVING BLOCKS, CONCRETE CURBS AND MANHOLE COVER

PORT OF GENERAL SANTOS, MAKAR WHARF, GENERAL SANTOS CITY

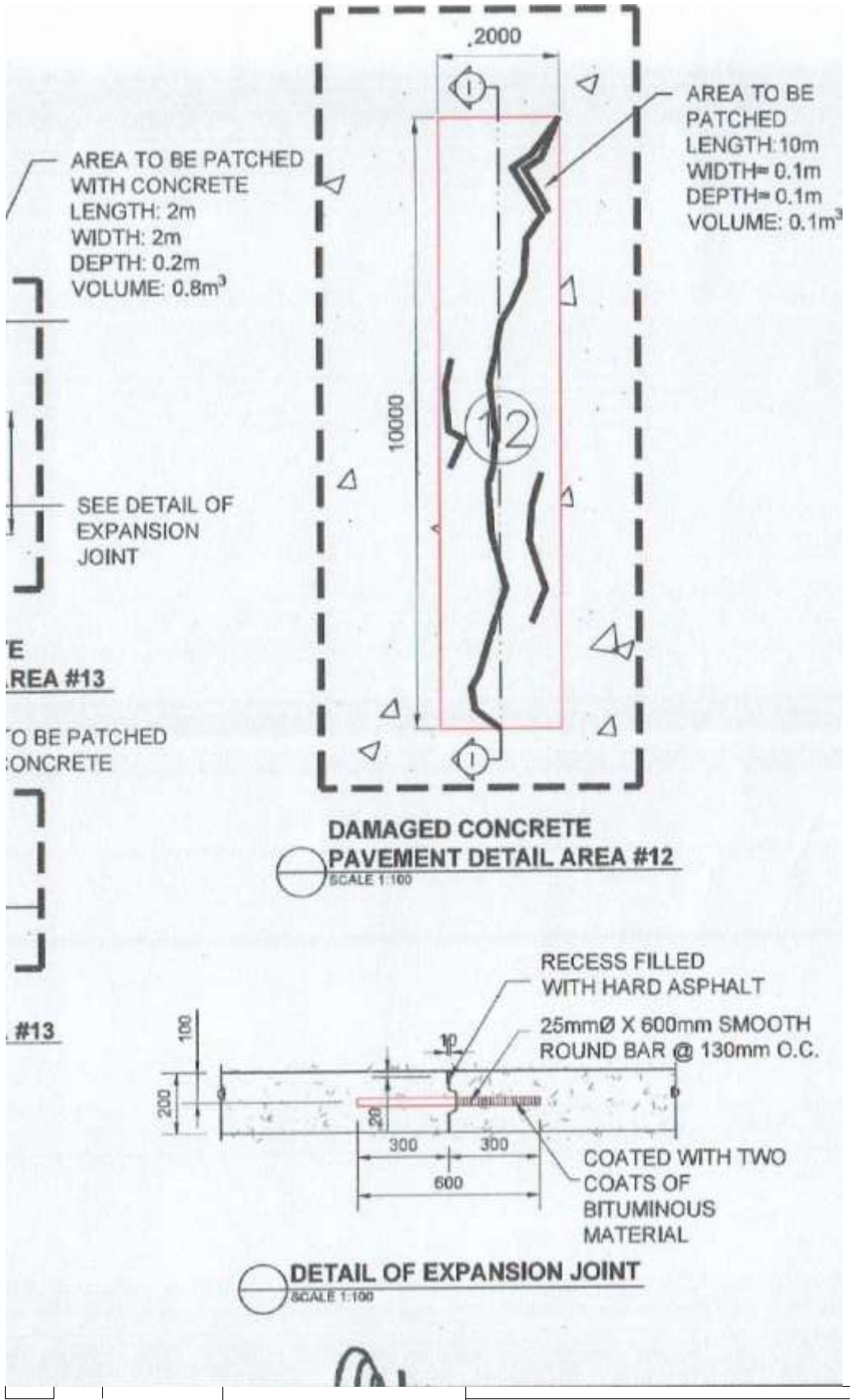
FRANCES JANSE L. MANTOYA
DRAFTSMAN II (COS)

RYAN L. BADAJOS
SENIOR ENGINEER A

MARIA VIVIEN M.
PRINCIPAL ENGINEER

ANCO

JAMES ONN L. LEE
ESD MANAGER



10000

1. DAMAGED CONCRETE PAVEMENT DETAIL #10
2. SECTION VIEW OF AREA #10
3. DAMAGED CONCRETE PAVEMENT DETAIL AREA #1
4. SECTION VIEW OF AREA #11
5. DAMAGED CONCRETE PAVEMENT DETAIL AREA #13
6. SECTION VIEW OF AREA #13
7. DAMAGED CONCRETE PAVEMENT DETAIL AREA #12
8. DETAIL OF EXPANSION JOINT

SAR M. DATAYA
RT MANAGER

LEGEND:

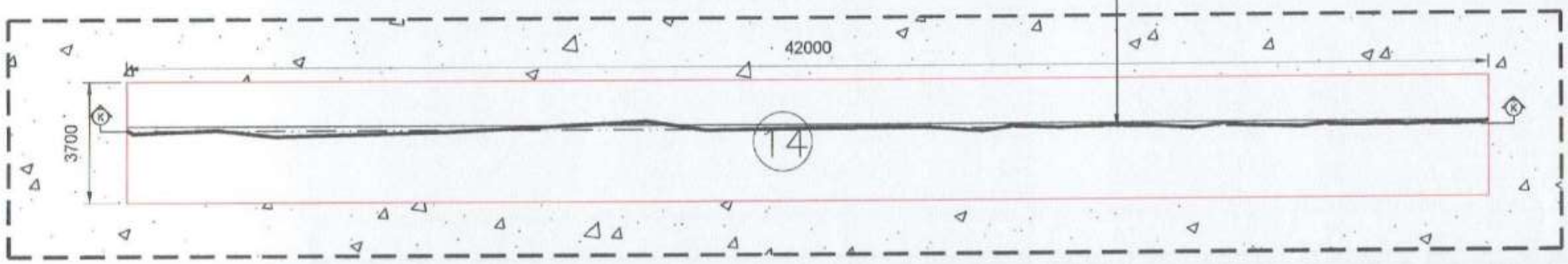
AREA TO BE PATCHED WITH CONCRETE (3500 PSI)

NOTE:

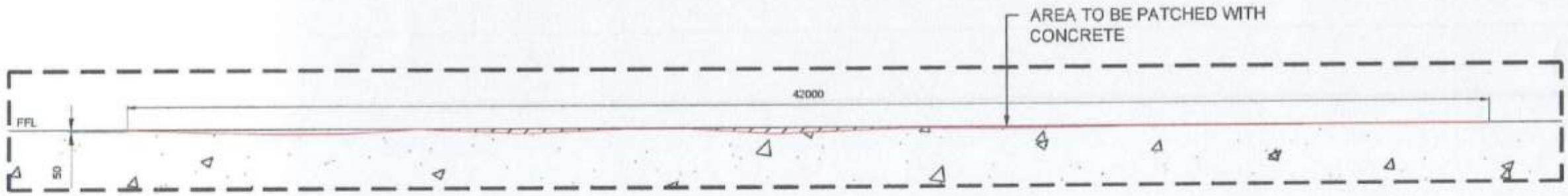
1. CLEAN AND PREPARE SURFACE
2. APPLY CONCRETE EPOXY PRIOR TO POURING OF CONCRETE (3500 PSI)

AREA TO BE PATCHED
LENGTH: 42m
WIDTH: 0.1m
DEPTH: 0.05m
VOLUME: 0.21m

CY II



DAMAGED CONCRETE PAVEMENT DETAIL AREA #14
SCALE 1:100



SECTION VIEW OF AREA #14
SCALE 1:100

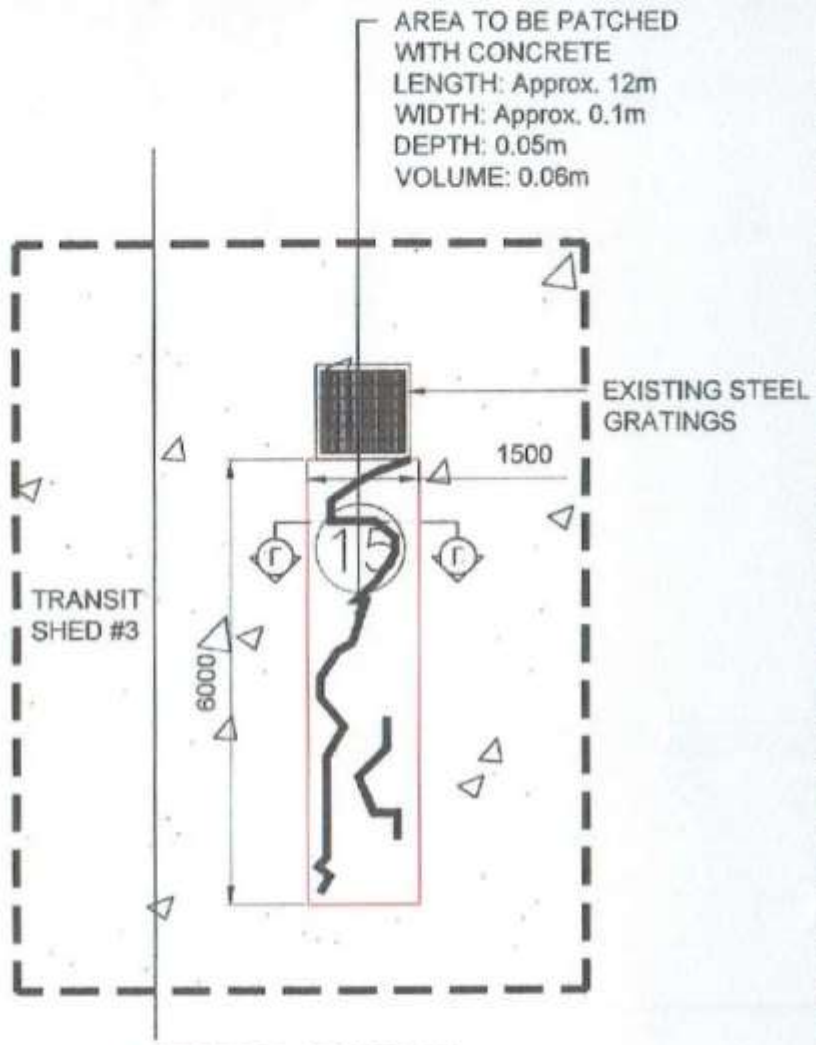
PHILIPPINE PORTS AUTHORITY	PROJECT TITLE: MAINTENANCE OF CONCRETE PAVEMENT, PAVING BLOCKS, CONCRETE CURBS AND MANHOLE COVER LOCATION: PORT OF GENERAL SANTOS, MAKAR WHARF, GENERAL SANTOS CITY	PREPARED BY: FRANCES JANSE L. MANTOYA, DRAFTSMAN II (CO3)	CHECKED BY: RYAN L. BADAJOS, SENIOR ENGINEER A	REVIEWED BY: MARIA VIVIEN M. TANCO, PRINCIPAL ENGINEER A	RECOMMENDING APPROVAL: JAMES CARL L. LEE, OIC-MANAGER	APPROVED BY: ATTY. CESAR M. DATAYA, PORT MANAGER	SHEET CONTENT: 1. DAMAGED CONCRETE PAVEMENT DETAIL AREA #14 2. SECTION VIEW OF AREA #14	DATE: 8/11

LEGEND:

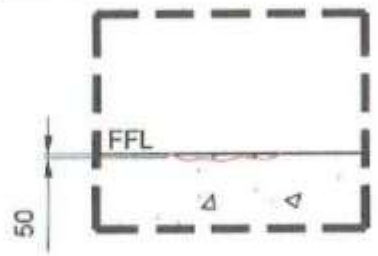
AREA TO BE PATCHED WITH CONCRETE (3500 PSI)

NOTE:

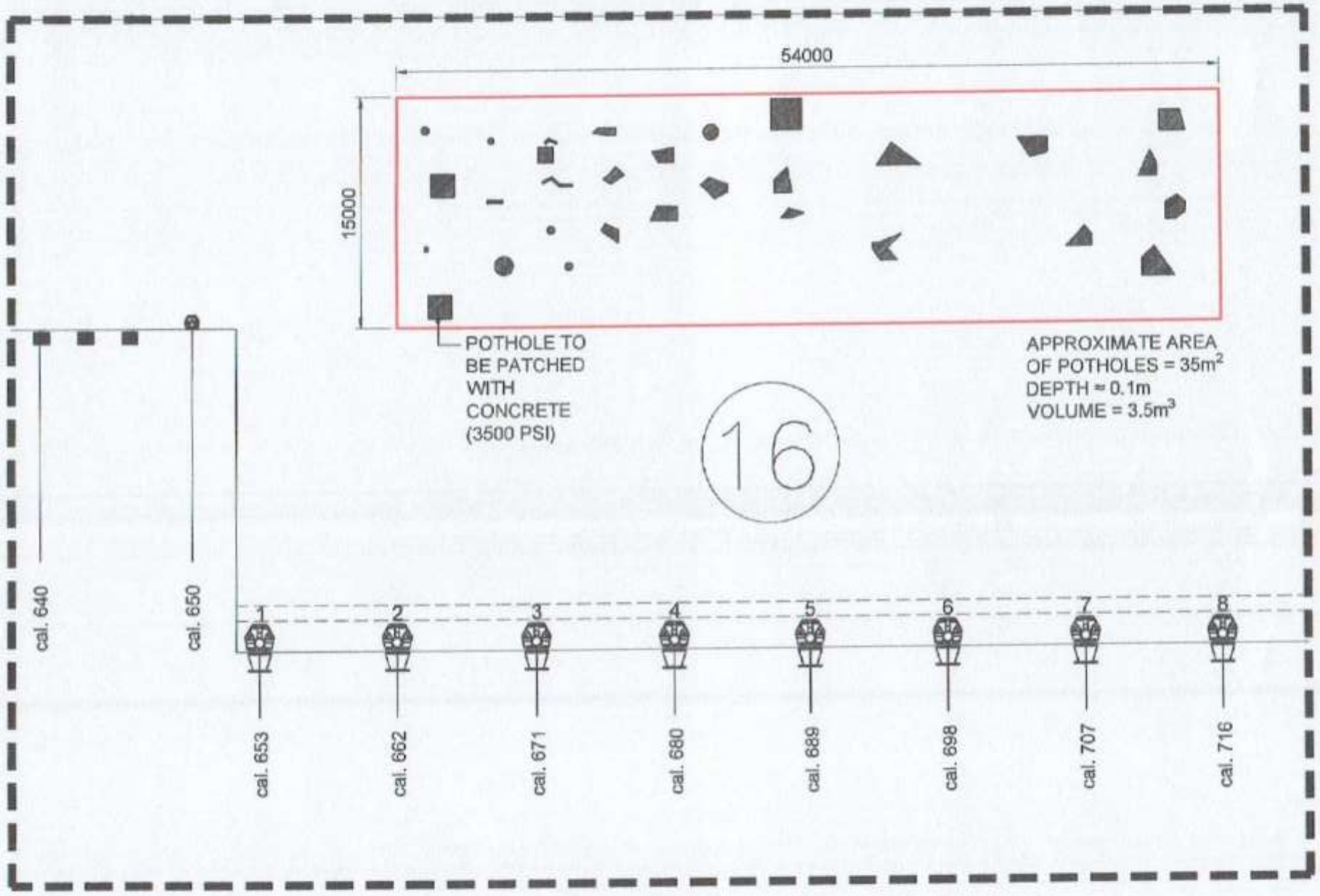
1. CLEAN AND PREPARE SURFACE
2. APPLY CONCRETE EPOXY PRIOR TO POURING O CONCRETE (3500 PSI)



DAMAGED CONCRETE PAVEMENT DETAIL AREA #15
SCALE 1:100



SECTION VIEW OF AREA #15
SCALE 1:100



DAMAGED CONCRETE PAVEMENT DETAIL AREA #16
SCALE 1:100

PHILIPPINE PORTS AUTHORITY	PROJECT TITLE: MAINTENANCE OF CONCRETE PAVEMENT, PAVING BLOCKS, CONCRETE CURBS AND MANHOLE COVER LOCATION: PORT OF GENERAL SANTOS, MAKAR WHARF, GENERAL SANTOS CITY	PREPARED BY: FRANCES JANSE L. MANTOYA, DRAFTSMAN II (COS)	CHECKED BY: RYAN L. BADAJOS, SENIOR ENGINEER A	REVIEWED BY: MARIA VIVIEN M. TANCO, PRINCIPAL ENGINEER A	RECOMMENDING APPROVAL: JAMESON L. LEE, SSD MANAGER	APPROVED BY: ATTY. CESAR M. DATAYA, PORT MANAGER	SHEET CONTENT: 1. DAMAGED CONCRETE PAVEMENT DETAIL AREA #15 2. SECTION VIEW OF AREA #15 3. DAMAGED CONCRETE PAVEMENT DETAIL AREA #16	DATE: 9/11

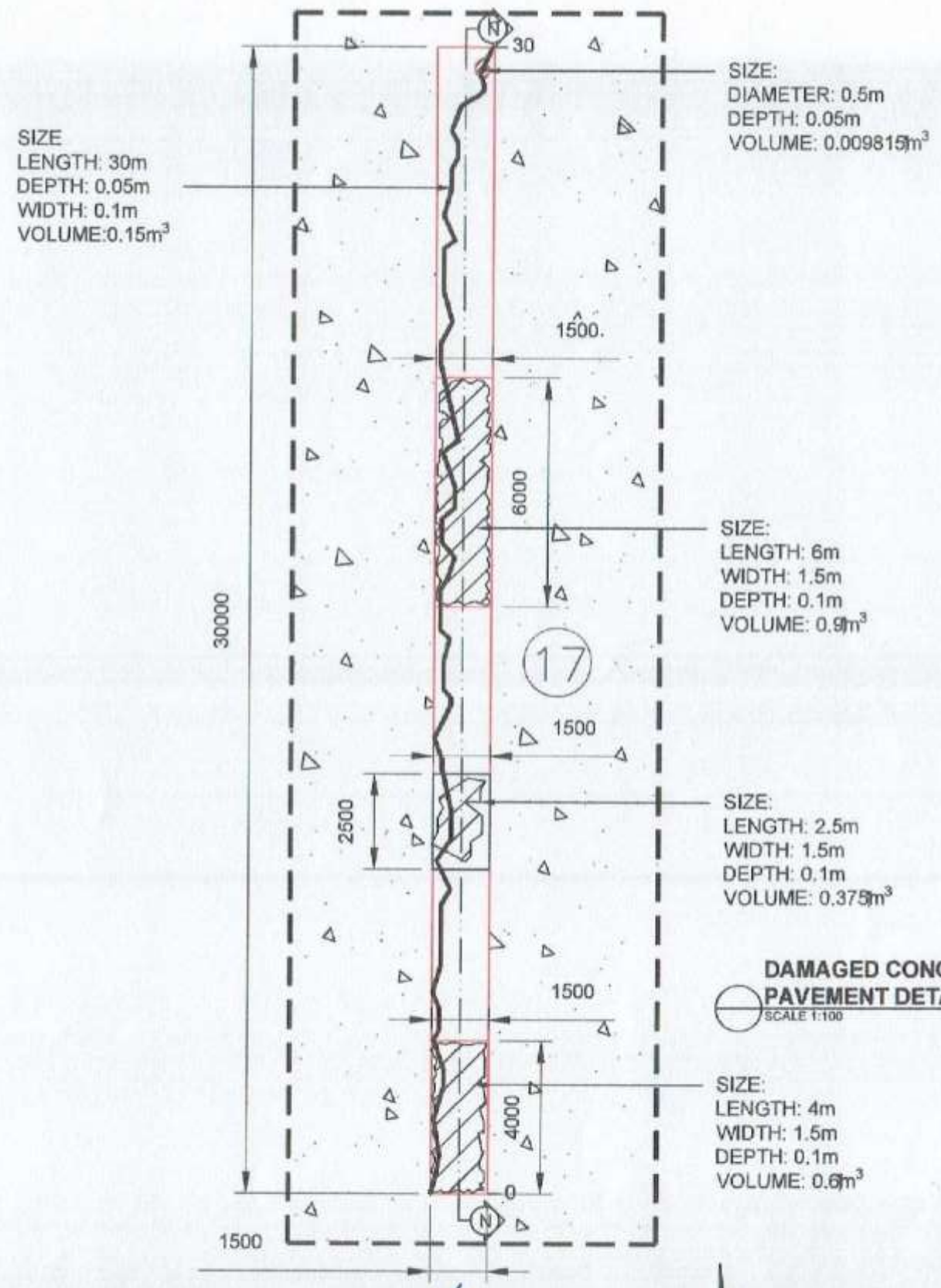
LEGEND:

AREA TO BE PATCHED WITH CONCRETE

NOTE:

1. CLEAN AND PREPARE SURFACE
2. APPLY CONCRETE EPOXY PRIOR TO POURING OF CONCRETE

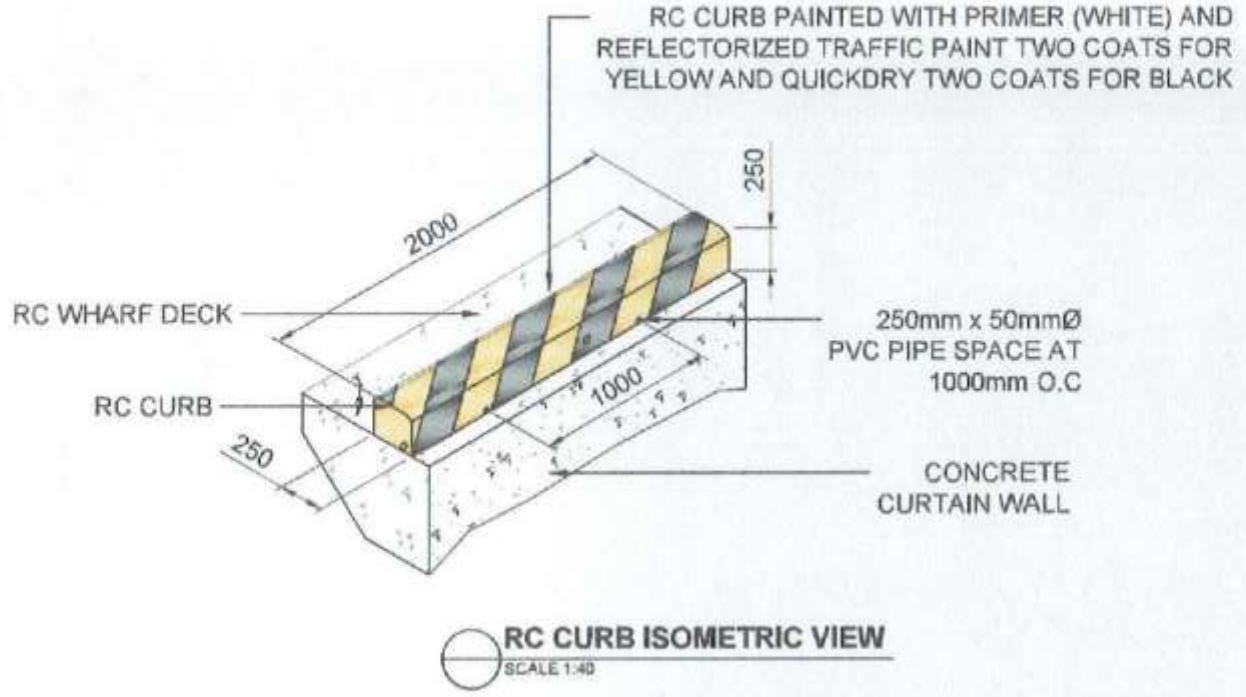
CY II



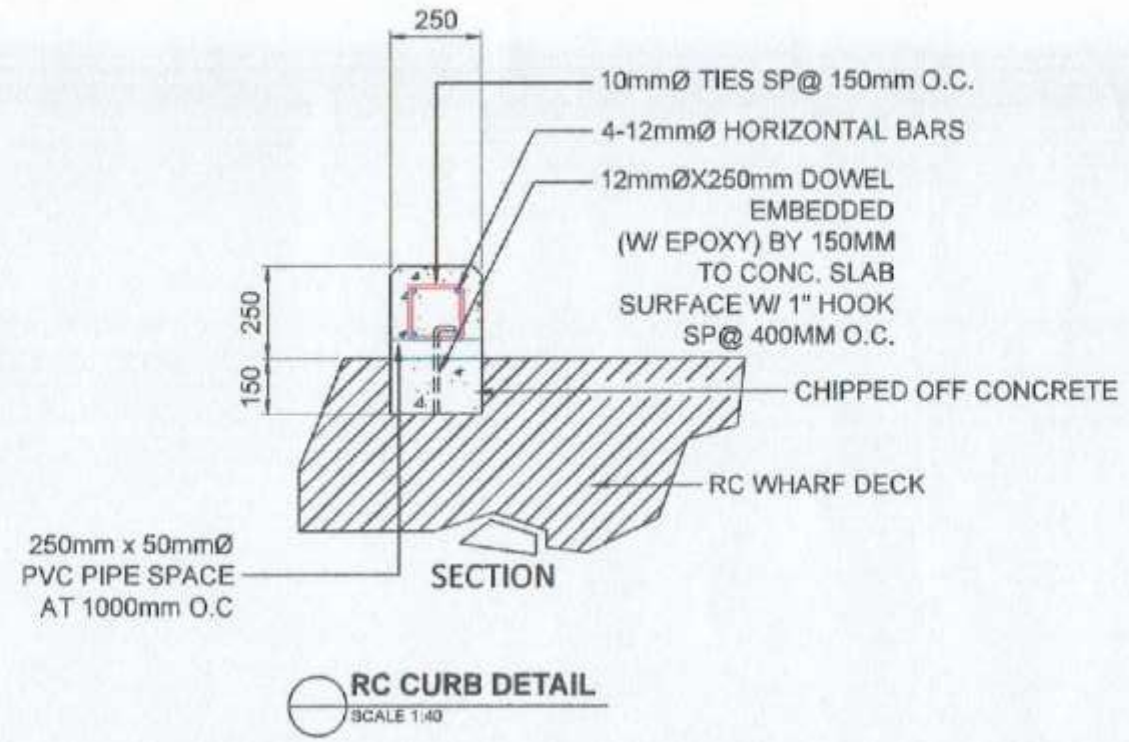
DAMAGED CONCRETE PAVEMENT DETAIL AREA #17
SCALE 1:100

CY IV

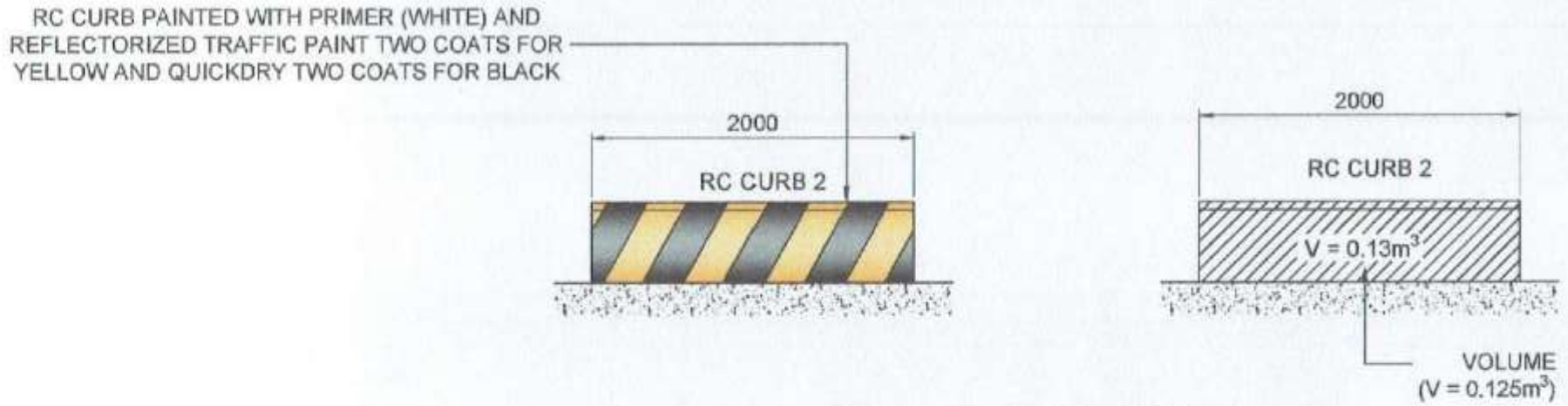
PHILIPPINE PORTS AUTHORITY	PROJECT TITLE: MAINTENANCE OF CONCRETE PAVEMENT, PAVING BLOCKS, CONCRETE CURBS AND MANHOLE COVER LOCATION: PORT OF GENERAL SANTOS, MAKAR WHARF, GENERAL SANTOS CITY	PREPARED BY: FRANCES JANICE L. MANTOYA, DRAFTSMAN II (COS)	CHECKED BY: RYAN L. BADAJOS, SENIOR ENGINEER A	REVIEWED BY: MARIA VIVIEN M. TANCO, PRINCIPAL ENGINEER A	RECOMMENDING APPROVAL: JAMESON L. LEE, ESD MANAGER	APPROVED BY: ATTY. CESAR M. DATAYA, PORT MANAGER	SHEET CONTENT: 1. DAMAGED CONCRETE PAVEMENT DETAIL AREA #17	DATE: 10/11



RC CURB ISOMETRIC VIEW
SCALE 1:40



RC CURB DETAIL
SCALE 1:40



RC CURB FRONT ELEVATION
SCALE 1:100

PHILIPPINE PORTS AUTHORITY	PROJECT TITLE: MAINTENANCE OF CONCRETE PAVEMENT, PAVING BLOCKS, CONCRETE CURBS AND MANHOLE COVER LOCATION: PORT OF GENERAL SANTOS, MAKAR WHARF, GENERAL SANTOS CITY	PREPARED BY: FRANCES JANSE L. MANTOYA, DRAFTSMAN II (COS)	CHECKED BY: RYAN L. BADAJOS, SENIOR ENGINEER A	REVIEWED BY: MARIA VIVIEN M. TANCO, PRINCIPAL ENGINEER A	RECOMMENDING APPROVAL: JAMES [illegible] LEE, ESD MANAGER	APPROVED BY: ATTY. CESAR M. DATAYA, PORT MANAGER	SHEET CONTENT: 1. RC CURB ISOMETRIC VIEW 2. RC CURB DETAIL 3. RC CURB FRONT ELEVATION	DATE: 11/11