

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. IV-A
BATANGAS 2ND DISTRICT ENGINEERING OFFICE
KUMINTANG ILAYA, BATANGAS CITY

C.Y. 2025 PROJECT
DETAILED ENGINEERING DESIGN PLAN FOR
**ROADSIDE MAINTENANCE - DRAINAGE MAINTENANCE - CLEARING AND
RECONDITIONING OF DRAINAGE ALONG MANILA-BATANGAS PIER ROAD
AND BATANGAS-LOBO ROAD (CITY SECTION)**

Batangas City, Batangas
NET LENGTH = 2,238.00 L.M.

SUBMITTED:

RONALDO C. FRAGO
CHIEF, MAINTENANCE SECTION
DATE:

RECOMMENDED:

ARIEL V. ARMEDILLA
ASSISTANT DISTRICT ENGINEER
DATE:

APPROVED:

SONIA D. PAGLICAUAN
DISTRICT ENGINEER
DATE:

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STRAIGHT LINE DIAGRAM (BATANGAS-LOBO ROAD(CITY SECTION))

GENERAL NOTES

1.0 SPECIFICATIONS

1.1 ALL WORKS SHALL COMPLY WITH THE "DPWH STANDARD SPECIFICATIONS, 2013 EDITIONS, VOLUME II - HIGHWAYS BRIDGES AND AIRPORTS" , SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS TO THIS PROJECT.

2.0 DIMENSIONS

2.1 ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED
2.2 DIMENSIONS ON DRAINAGE, TYPICAL ROAD SECTIONS, AND STANDARD DRAWINGS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED ON THE DRAWINGS

3.0 ELEVATIONS AND GRADES :

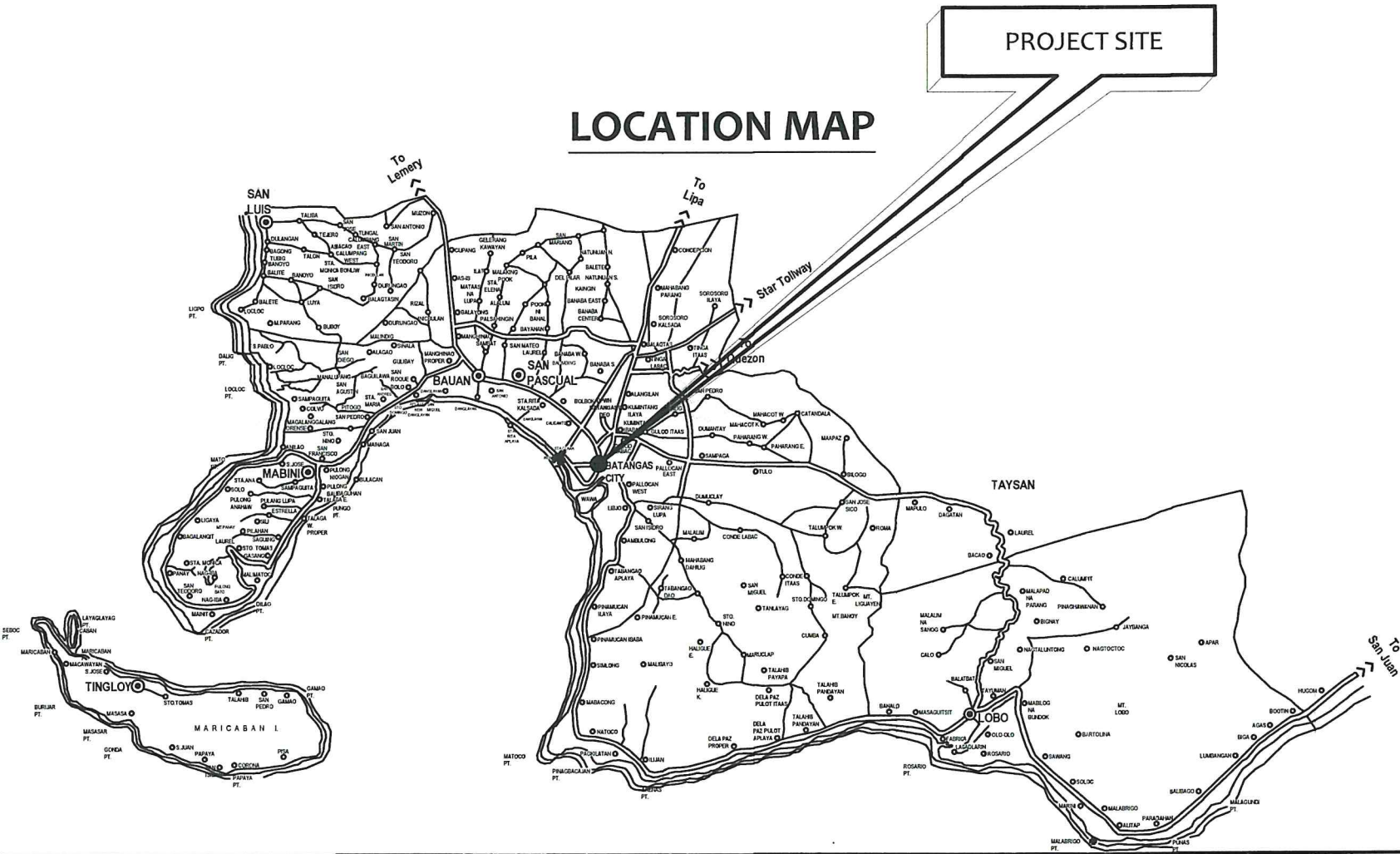
3.1 FINISHED GRADE ELEVATIONS ARE RELATIVE TO THE EXISTING GRADE LINE

4.0 ROAD CONNECTIONS AND PRIVATE ENTRANCES :

4.1 APPROACHES AND CONNECTIONS SHALL BE CONSTRUCTED BY THE CONTRACTOR AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER IN SUCH MANNER AS TO ENSURE SMOOTH CONNECTIONS AND RIDING QUALITY.
4.2 NO OPENING FOR DRIVEWAYS OR PRIVATE ENTRANCES SHALL BE ALLOWED SPECIALLY ALONG CRITICAL SECTIONS EXCEPT WITH PRIOR APPROVAL OF THE PROPER AUTHORITIES

5.0 STANDARD DRAWINGS:

5.1 THE NECESSARY DRAWINGS CONTAINED IN THE DPWH STANDARD DRAWINGS FOR ROADS AND BRIDGES SHALL BE UTILIZED FOR THIS PROJECT, UNLESS OTHERWISE A MORE DETAILED DRAWINGS IS SPECIFIED AND/OR PROVIDED AND APPROVED.



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Batangas City, Batangas

SHEET CONTENT:

INDEX OF DRAWINGS
GENERAL NOTES
LOCATION MAP

DRAFTED:

MAVERICK D. OLAYA
ADMINISTRATIVE ASSISTANT II (CAD OPERATOR) J.O.

PREPARED:

MARK LEE M. DALANGIN
ENGINEER II

REVIEWED :

REINALD KEVIN L. JOBOG
ENGINEER II

DATE:

SUBMITTED :

RONALDO C. FRAGO
CHIEF, MAINTENANCE SECTION

DATE:

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ASSISTANT DISTRICT ENGINEER

DATE:

APPROVED:

SONIA D. PAGLICAUAN
DISTRICT ENGINEER

DATE:

SET NO.

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SHEET NO.

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SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
PART A	FACILITIES FOR THE ENGINEER		
A.1.4 (1)	Provision of Progress Photographs	0.50	Month
	TOTAL OF PART A		
PART B	OTHER GENERAL REQUIREMENT		
B.9	Mobilization / Demobilization	1.00	Lump sum
	TOTAL OF PART B		
PART C	CLEANING AND RECONDITIONING EXISTING DRAINAGE STRUCTURES		
504 (5)	Cleaning/Reconditioning of Drainage Structures	1.00	Lump sum
	TOTAL OF PART C		



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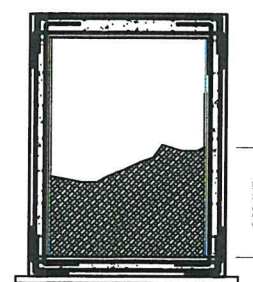
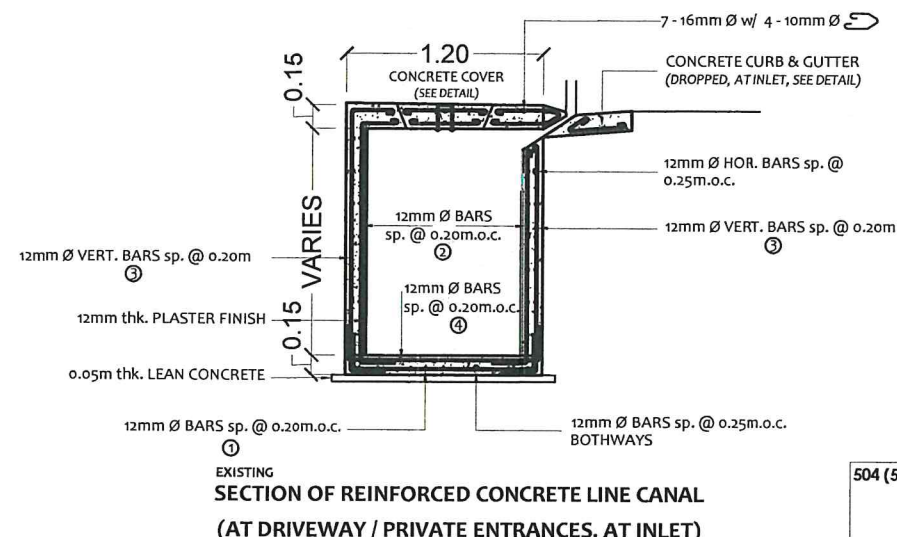
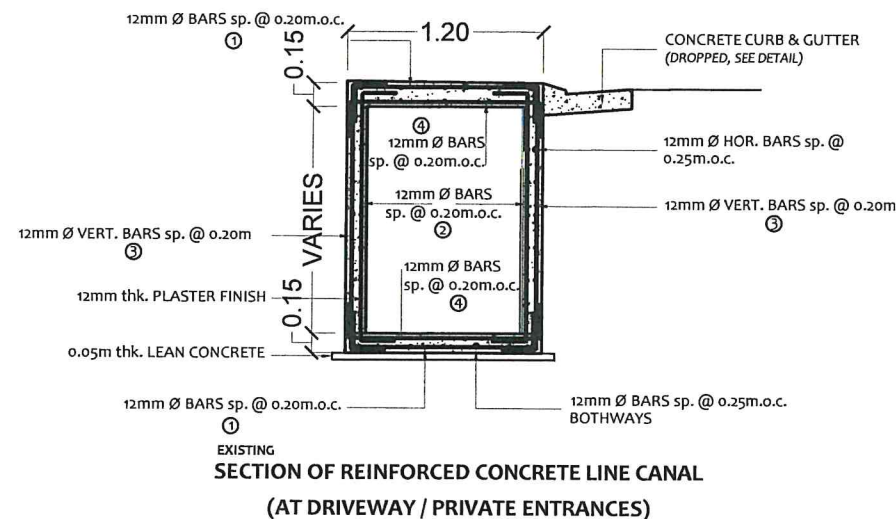
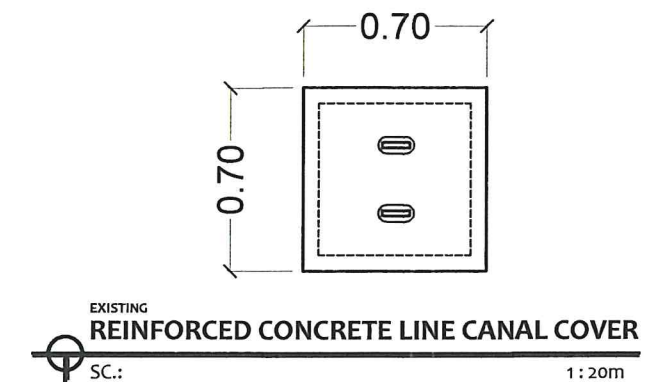
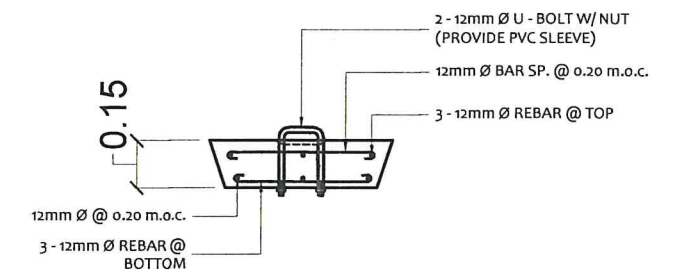
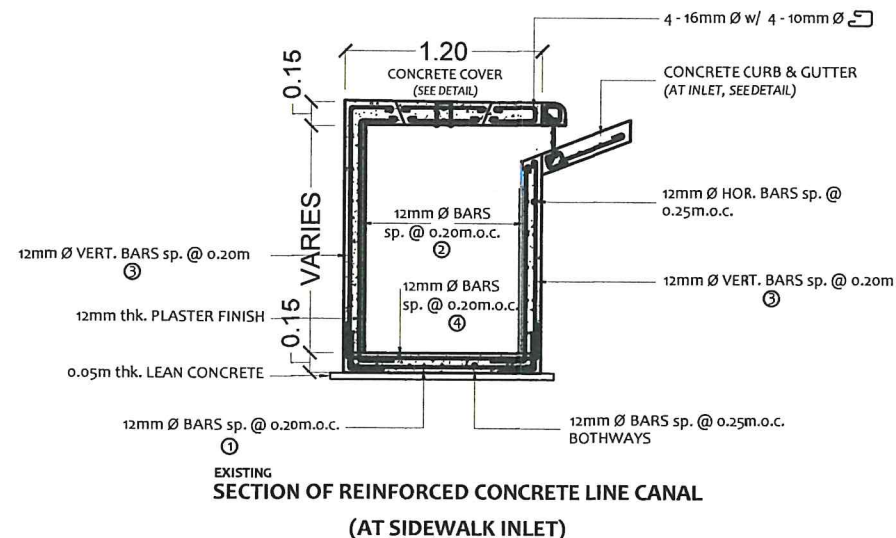
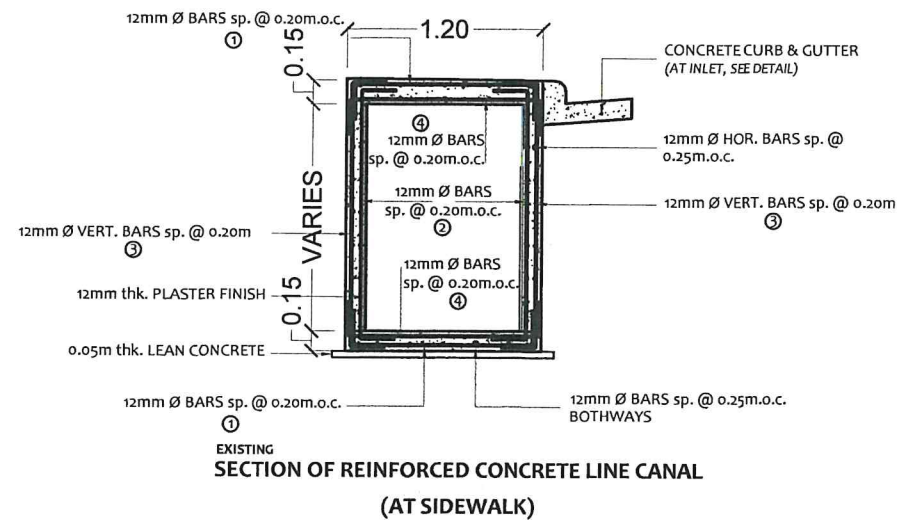
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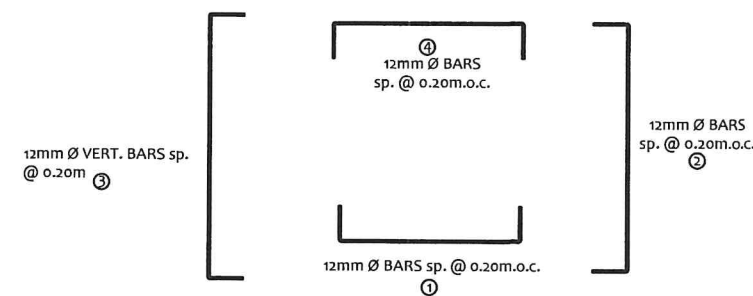
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**TYPICAL SECTION
CLEANING / RECONDITIONING OF CANAL**



BAR BENDING DIAGRAM

**EXISTING TYPICAL SECTION OF
REINFORCED CONCRETE LINE CANAL DETAILS**

SC.: 1 : 40m

504 (5)	Cleaning/Reconditioning of Drainage Structures	1.00 Lump sum
Manila-Batangas Pier Road		
Sta.	Length	
K0107+050 - K0107+700 BS	1300.00	l.m.
Batangas-Lobo Road (City Section)		
Sta.	Length	
K0105+(-469) - K0105+000 BS	938.00	l.m.
Total:	2,238.00	l.m.



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Batangas City, Batangas

SHEET CONTENT:
EXISTING TYPICAL SECTION OF
REINFORCED CONCRETE
LINE CANAL DETAILS

DRAFTED:
MAVERICK D. OLAYA
ADMINISTRATIVE ASSISTANT II (CAD OPERATOR) J.O.
PREPARED:
MARK LEE M. DALANGIN
ENGINEER II

REVIEWED:
REINALDO KEVIN L. JOBOG
ENGINEER II
DATE:

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CHIEF, MAINTENANCE SECTION
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ASSISTANT DISTRICT ENGINEER
DATE:

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SONIA D. PAGLICAUAN
DISTRICT ENGINEER
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R-1
1 3

SHEET NO.
4
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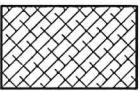
STRAIGHT LINE DIAGRAM

MANILA - BATANGAS PIER ROAD (S01941LZ)

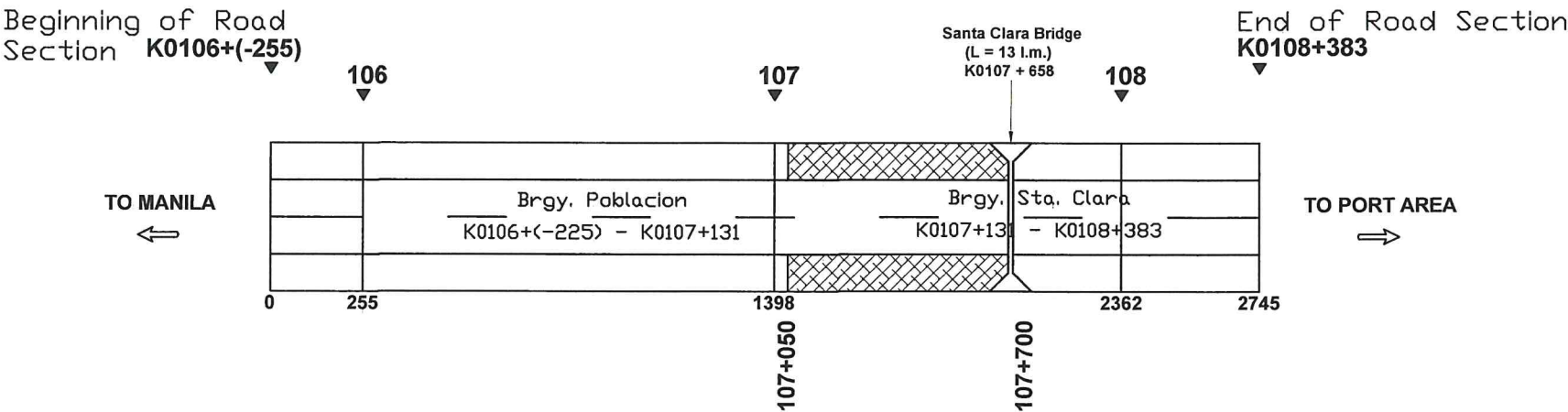
Station Limit From: K0106 + (-255) to K0108 + 383 TOTAL LENGTH: 2.745 KM

Manila-Batangas Pier Road		
Sta.	Length	
K0107+050 - K0107+700 BS	1300.00	I.m.
Total:	1,300.00	I.m.

LEGEND:



CLEANING / RECONDITIONING OF DRAINAGE STRUCTURES



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Batangas City, Batangas

SHEET CONTENT:
STRAIGHT LINE DIAGRAM
(MANILA BATANGAS PIER ROAD)

DRAFTED:
MAVERICK D. OLAYA
ADMINISTRATIVE ASSISTANT II (CAD OPERATOR) J.O.
PREPARED:
MARK LEE M. DALANGIN
ENGINEER II

REVIEWED:
REINALD KEVIN L. JOBOG
ENGINEER II
DATE:

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RONALDO C. FRAGO
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2 3

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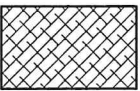
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STRAIGHT LINE DIAGRAM

BATANGAS - LOBO ROAD (S05003LZ) (CITY SECTION)

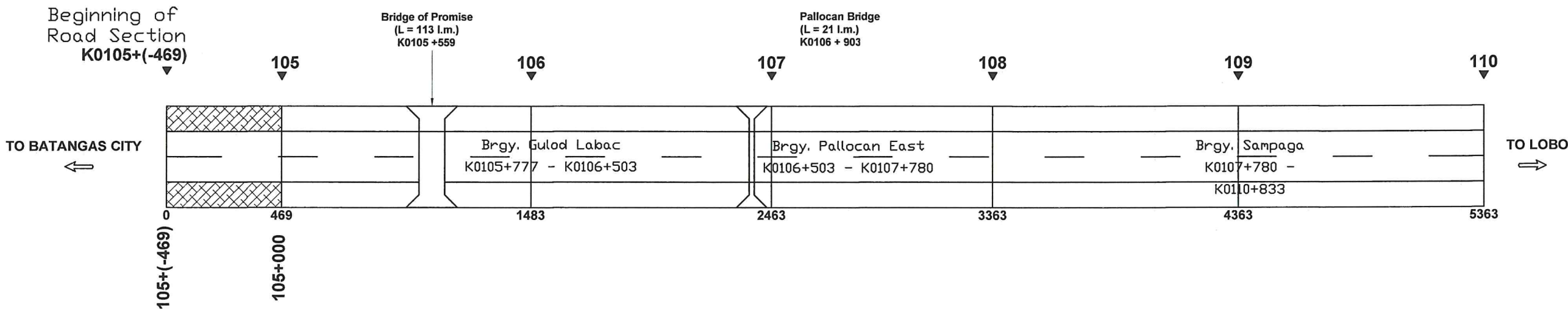
Station Limit From: K0105 + (-469) to K0118 + 607 TOTAL LENGTH: 13.873 KM

LEGEND:



CLEANING / RECONDITIONING OF DRAINAGE STRUCTURES

Batangas-Lobo Road (City Section)		
Sta.	Length	
K0105+(-469) - K0105+000 BS	938.00	I.m.
Total:	938.00	I.m.



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STRAIGHT LINE DIAGRAM
(BATANGAS-LOBO ROAD (CITY SECTION))

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MAVERICK D. OLAYA
ADMINISTRATIVE ASSISTANT II (CAD OPERATOR) J.O.
PREPARED:
MARK LEE M. DALANGIN
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REVIEWED:
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DATE:

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SET NO.

R-3
3 3

SHEET NO.

6
6