

Part 2. Employer's Requirements
Section VI – 4 Supplemental Information
VI – 4 – 4 OCS and Anchor Foundation

Civil Works and Maintenance
Equipment for Depots

**Supplementary Information of
OCS and Anchor Foundation**

The following is a reference of OCS and Anchor Foundation Documents for LRT Line 1 Cavite Extension Project (L1CEP):

1. Baclaran Yard Pre-Pegging Plan
2. Baclaran Expansion Depot Layout
3. Zapote Yard Pre-Pegging Plan
4. Zapote Satellite Depot Layout

Baclaren Yard Pre - pegging plan

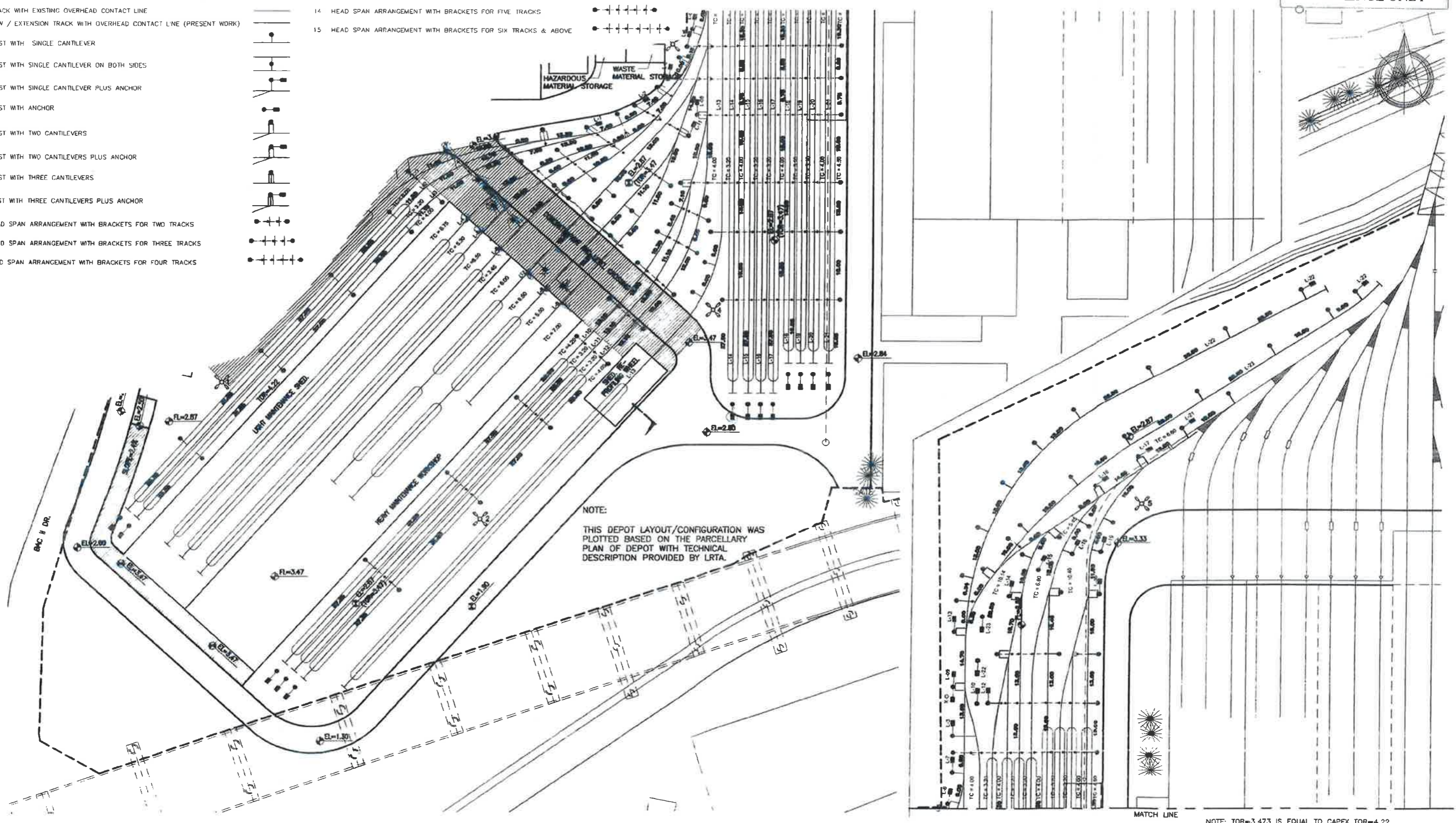
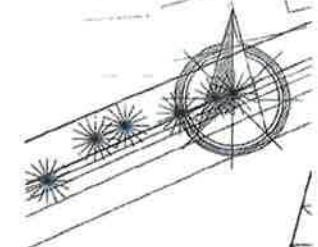
S.no.	Description	Symbol	Qty	Bending Moment XX (Nm)	Bending Moment ZZ (Nm)	Total Vertical Force (N)	Horizontal Force XX(N)	Horizontal Force ZZ (N)
1	1.1 Mast with Single cantilever		39	35198	19335	15811	7008	3754
	1.2 Mast with cantilever on both sides		3					
2	2.1 Mast with single cantilever plus anchor		7	31617	19335	36490	7008	3754
	2.2 Mast with anchor		17					
3	Mast with two cantilever		3	40241	19335	16838	8288	3754
4	Mast with two cantilevers plus anchor		7	30548	19335	58196	8288	3754
5	5.1 Mast with three cantilevers		3	45286	19335	17867	9568	3754
	5.2 Mast with three cantilevers plus anchors		0					
6	Headspan across 2 tracks (For each Upright)		0	72211	19335	14910	11609	3754
7	Headspan across 3 tracks (For each Upright)		24	107464	19335	16200	16445	3754
8	Headspan across 4 tracks (For each Upright)		4	144432	19335	16775	21492	3754
9	Headspan across 5 tracks (For each Upright)		0	182014	19335	17295	26615	3754
10	Headspan across 6 tracks or higher (For each Upright)		18	219915	19335	17786	31777	3754
Total			125					

Anchor Foundations		39	N/A	N/A	14624	N/A	14624
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NO	DESCRIPTION	SYMBOL
01	TRACK WITH EXISTING OVERHEAD CONTACT LINE	
02	NEW / EXTENSION TRACK WITH OVERHEAD CONTACT LINE (PRESENT WORK)	
03	MAST WITH SINGLE CANTILEVER	
04	MAST WITH SINGLE CANTILEVER ON BOTH SIDES	
05	MAST WITH SINGLE CANTILEVER PLUS ANCHOR	
06	MAST WITH ANCHOR	
07	MAST WITH TWO CANTILEVERS	
08	MAST WITH TWO CANTILEVERS PLUS ANCHOR	
09	MAST WITH THREE CANTILEVERS	
10	MAST WITH THREE CANTILEVERS PLUS ANCHOR	
11	HEAD SPAN ARRANGEMENT WITH BRACKETS FOR TWO TRACKS	
12	HEAD SPAN ARRANGEMENT WITH BRACKETS FOR THREE TRACKS	
13	HEAD SPAN ARRANGEMENT WITH BRACKETS FOR FOUR TRACKS	

NO	DESCRIPTION	SYMBOL
14	HEAD SPAN ARRANGEMENT WITH BRACKETS FOR FIVE TRACKS	
15	HEAD SPAN ARRANGEMENT WITH BRACKETS FOR SIX TRACKS & ABOVE	

REFERENCE ONLY



NOTE:
THIS DEPOT LAYOUT/CONFIGURATION WAS PLOTTED BASED ON THE PARCELLARY PLAN OF DEPOT WITH TECHNICAL DESCRIPTION PROVIDED BY LRTA.

NOTE: TOR=3.473 IS EQUAL TO CAPEX TOR=4.22

REV No	DATE	DESCRIPTION	DRAWN	DESIGN	CHECKED	APPROVED
0	30 JUNE 2015	FIRST ISSUE				
1	28 JULY 2015	NOTE ADDED				
2	28 AUGUST 2015	HAZARDOUS STORAGE ADDED				



Republic of the Philippines
DEPARTMENT OF TRANSPORTATION AND COMMUNICATIONS



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50 Marcos Highway
Bray Delta Pasig City
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PACKAGE: EXPANSION OF EXISTING DEPOT AT BACLARAN AND CONSTRUCTION OF NEW SATELLITE DEPOT AT ZAPOTE
DRAWING TITLE: BACLARAN EXPANSION DEPOT LAYOUT

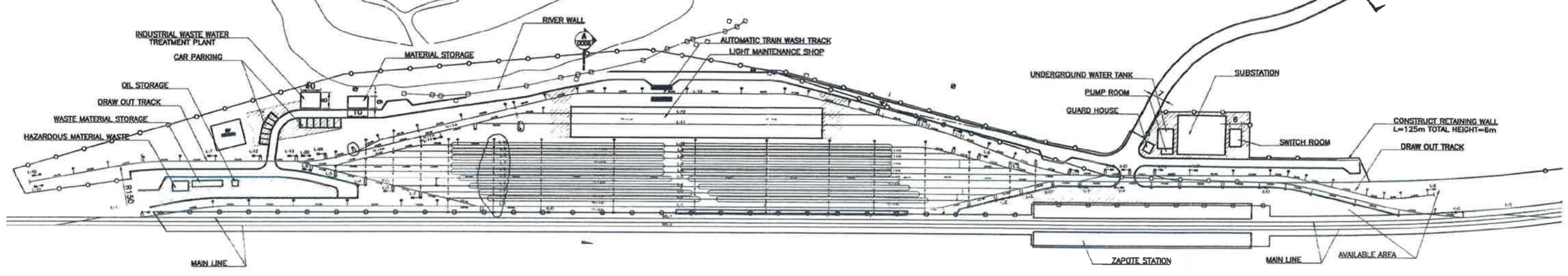
CAD FILE #:
Dwg #: CMX-L1/DP-CI-01-0003
Rev # 2

SCALE: 1:1000

Zapote Yard Pre - pegging plan

S.no.	Description	Symbol	Qty	Bending Moment XX (Nm)	Bending Moment ZZ (Nm)	Total Vertical Force (N)	Horizontal Force XX(N)	Horizontal Force ZZ(N)
1	1.1 Mast with Single cantilever		41	35198	19335	15811	7008	3754
	1.2 Mast with cantilever on both sides		0					
2	2.1 Mast with single cantilever plus anchor		8	31617	19335	36490	7008	3754
	2.2 Mast with anchor		3					
3	Mast with two cantilever		7	40241	19335	16838	8288	3754
4	Mast with two cantilevers plus anchor		9	30548	19335	58196	8288	3754
5	5.1 Mast with three cantilevers		0	45286	19335	17867	9568	3754
	5.2 Mast with three cantilevers plus anchors		6					
6	Headspan across 2 tracks (For each Upright)		1	72211	19335	14910	11609	3754
7	Headspan across 3 tracks (For each Upright)		4	107464	19335	16200	16445	3754
8	Headspan across 4 tracks (For each Upright)		2	144432	19335	16775	21492	3754
9	Headspan across 5 tracks (For each Upright)		2	182014	19335	17295	26615	3754
10	Headspan across 6 tracks or higher (For each Upright)		26	219915	19335	17786	31777	3754
Total			109					
Anchor Foundations			32	N/A	N/A	14624	N/A	14624

LEGEND					
NO.	DESCRIPTION	SYMBOL	NO.	DESCRIPTION	SYMBOL
01	TRACK WITH EXISTING OVERHEAD CONTACT LINE		10	MAST WITH THREE CANTILEVERS PLUS ANCHOR	
02	NEW / EXTENSION TRACK WITH OVERHEAD CONTACT LINE (PRESENT WORK)		11	HEAD SPAN ARRANGEMENT WITH BRACKETS FOR TWO TRACKS	
03	MAST WITH SINGLE CANTILEVER		12	HEAD SPAN ARRANGEMENT WITH BRACKETS FOR THREE TRACKS	
04	MAST WITH SINGLE CANTILEVER ON BOTH SIDES		13	HEAD SPAN ARRANGEMENT WITH BRACKETS FOR FOUR TRACKS	
05	MAST WITH SINGLE CANTILEVER PLUS ANCHOR		14	HEAD SPAN ARRANGEMENT WITH BRACKETS FOR FIVE TRACKS	
06	MAST WITH ANCHOR		15	HEAD SPAN ARRANGEMENT WITH BRACKETS FOR SIX TRACKS & ABOVE	
07	MAST WITH TWO CANTILEVERS				
08	MAST WITH TWO CANTILEVERS PLUS ANCHOR				
09	MAST WITH THREE CANTILEVERS				

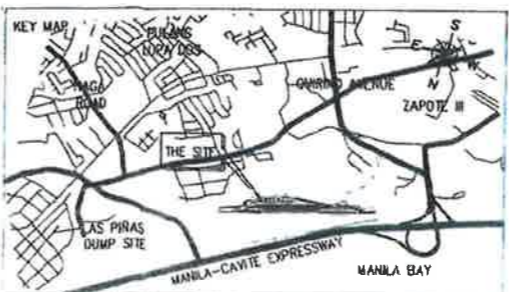


NOTE:
THIS DEPOT LAYOUT/CONFIGURATION WAS PLOTTED BASED ON THE PARCELLARY PLAN OF DEPOT WITH TECHNICAL DESCRIPTION PROVIDED BY LRTA.

REVISIONS					
REV No.	DATE	DESCRIPTION	DRAWN	DESIGN	CHECKED APPROVED.
0	30 JUNE 2015	FIRST ISSUE			
1	28 JULY 2015	NOTE ADDED			
2	04 SEPTEMBER 2015	REVISED TRACK AND MAINTENANCE SHOP LAYOUT			

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SCA# 4:2006

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PACKAGE: EXPANSION OF EXISTING DEPOT AT BACLARAN AND CONSTRUCTION OF NEW SATELLITE DEPOT AT ZAPOTE

DRAWING TITLE: ZAPOTE SATELLITE DEPOT LAYOUT

CAD FILE #:

Dwg #: CMX-L1/DP-CI-01-0005

Rev #: 2

Part 2. Employer's Requirements
Section VI – 4 Supplemental Information
VI – 4 – 5 Box Culvert

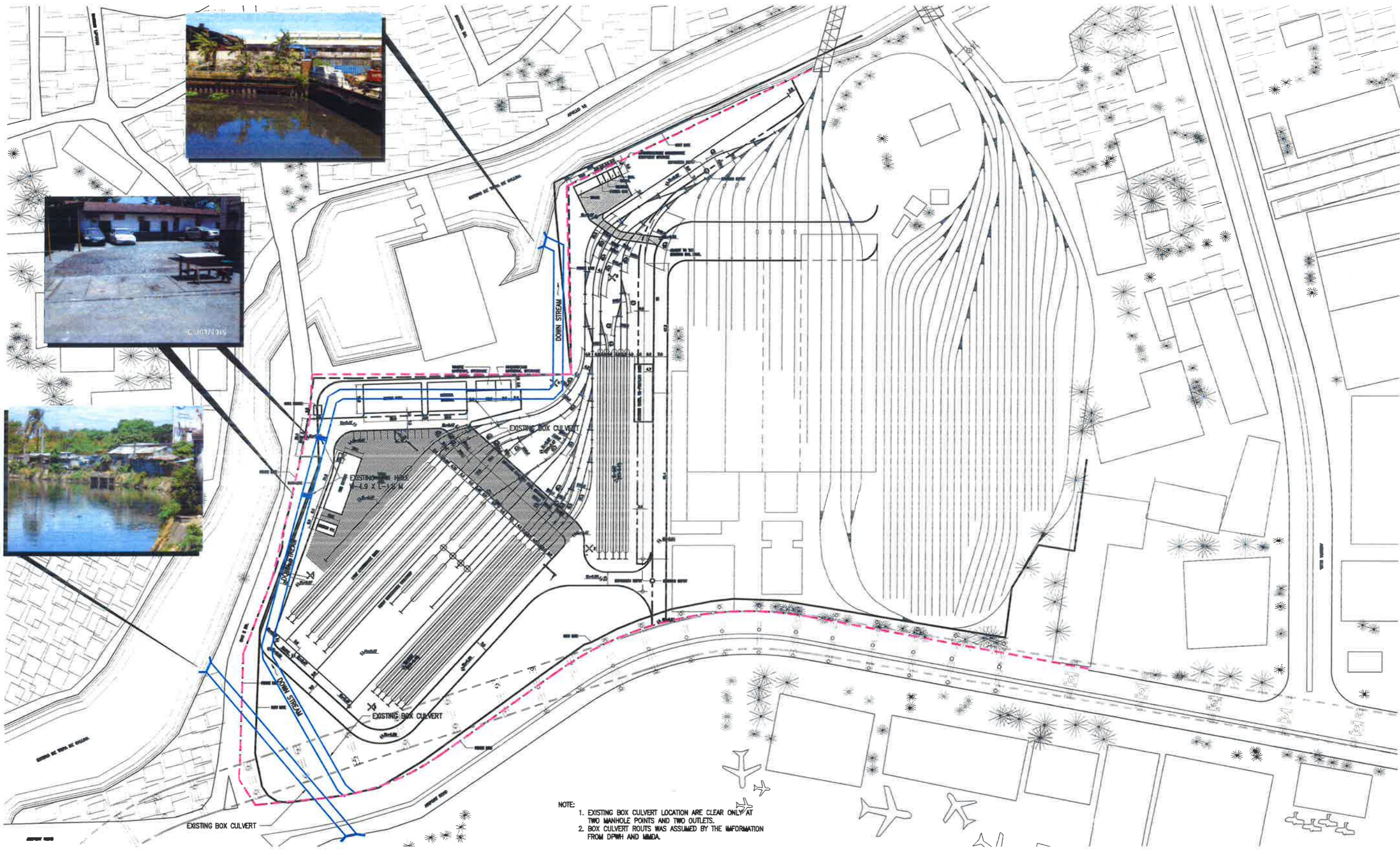
Civil Works and Maintenance
Equipment for Depots

Supplementary Information of

Box Culvert

The following is a reference of Box Culvert Documents of DPWH at Tripa de Gallina Creek, Pasay City for LRT Line 1 Cavite Extension Project (L1CEP):

1. Baclaran Depot Existing Box Culvert Layout Assumption
2. Plan and Profile of Box Culvert



NOTE:
 1. EXISTING BOX CULVERT LOCATION ARE CLEAR ONLY AT TWO MANHOLE POINTS AND TWO OUTLETS.
 2. BOX CULVERT ROUTES WAS ASSUMED BY THE INFORMATION FROM DPWH AND MMDA.

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LRT Line 2 Office:
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 Dela Paz, Pasig City
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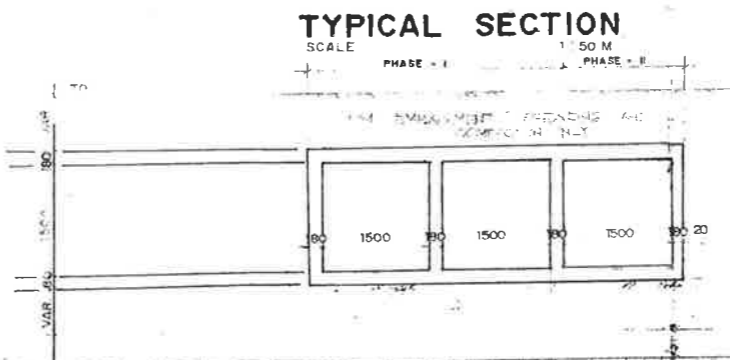
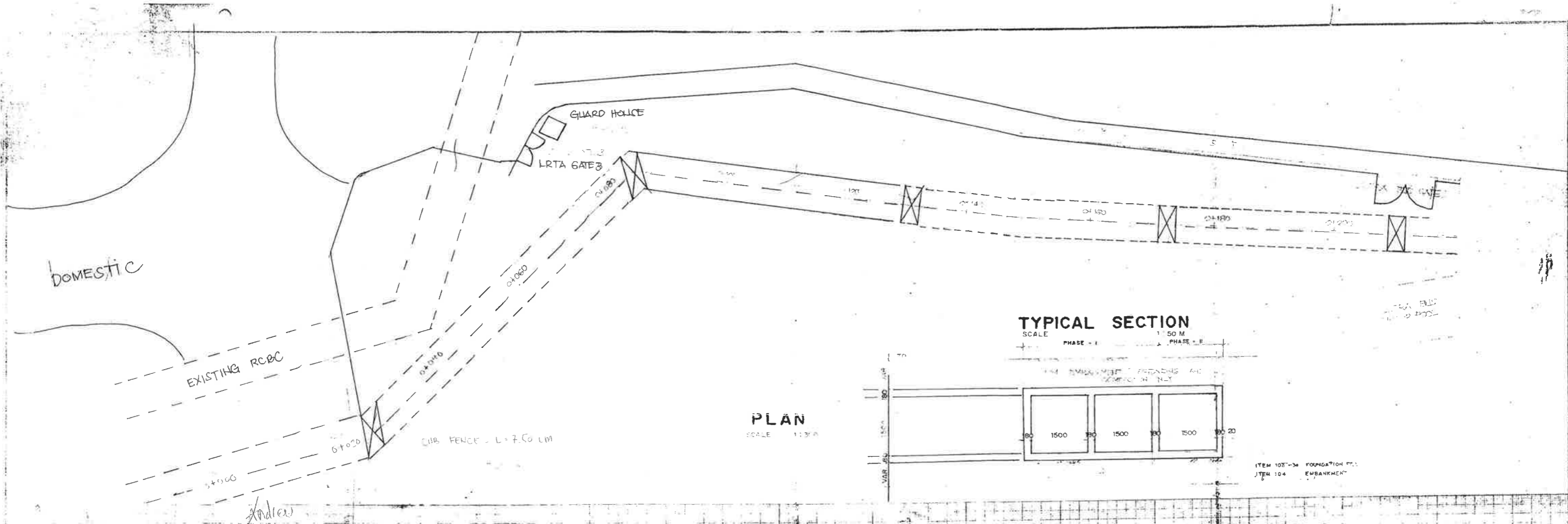
PACKAGE: EXPANSION OF EXISTING DEPOT AT BACLARAN AND CONSTRUCTION OF NEW SATELLITE DEPOT AT ZAPOTE

DRAWING TITLE:
**BACLARAN DEPOT
 EXISTING BOX CULVERT LAYOUT ASSUMPTION**

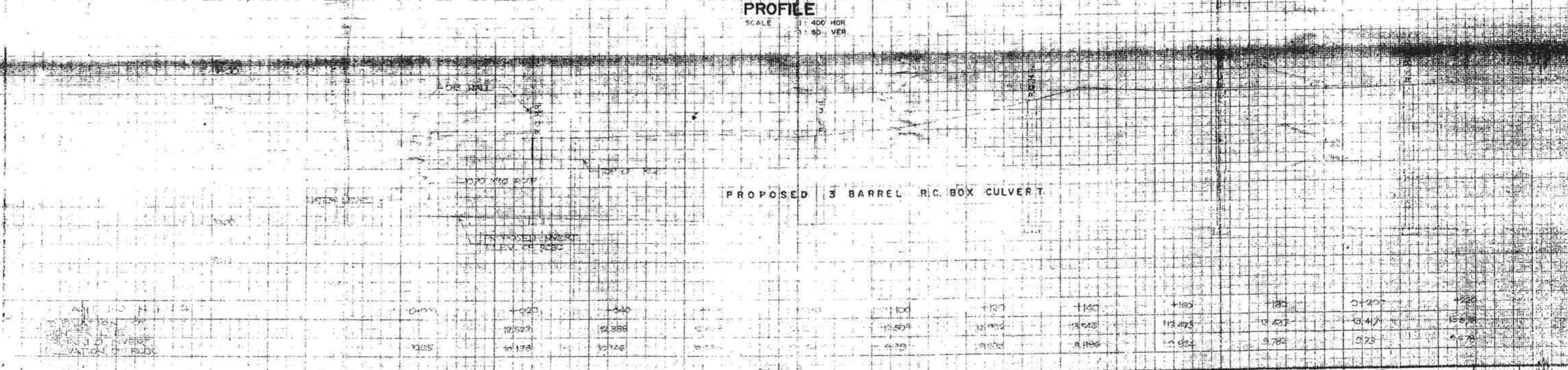
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Rev. #:

CHD CONSTRUCTION S. I.
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 AUGUST 17, 2016
 AS-BUILT DRAWINGS OF
 BOX CULVERT FROM RMD

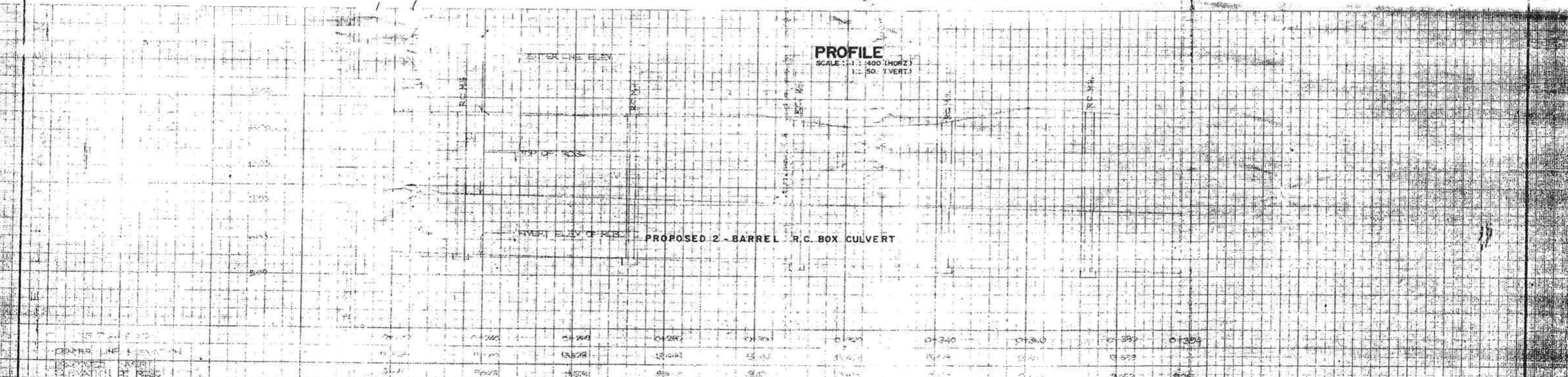
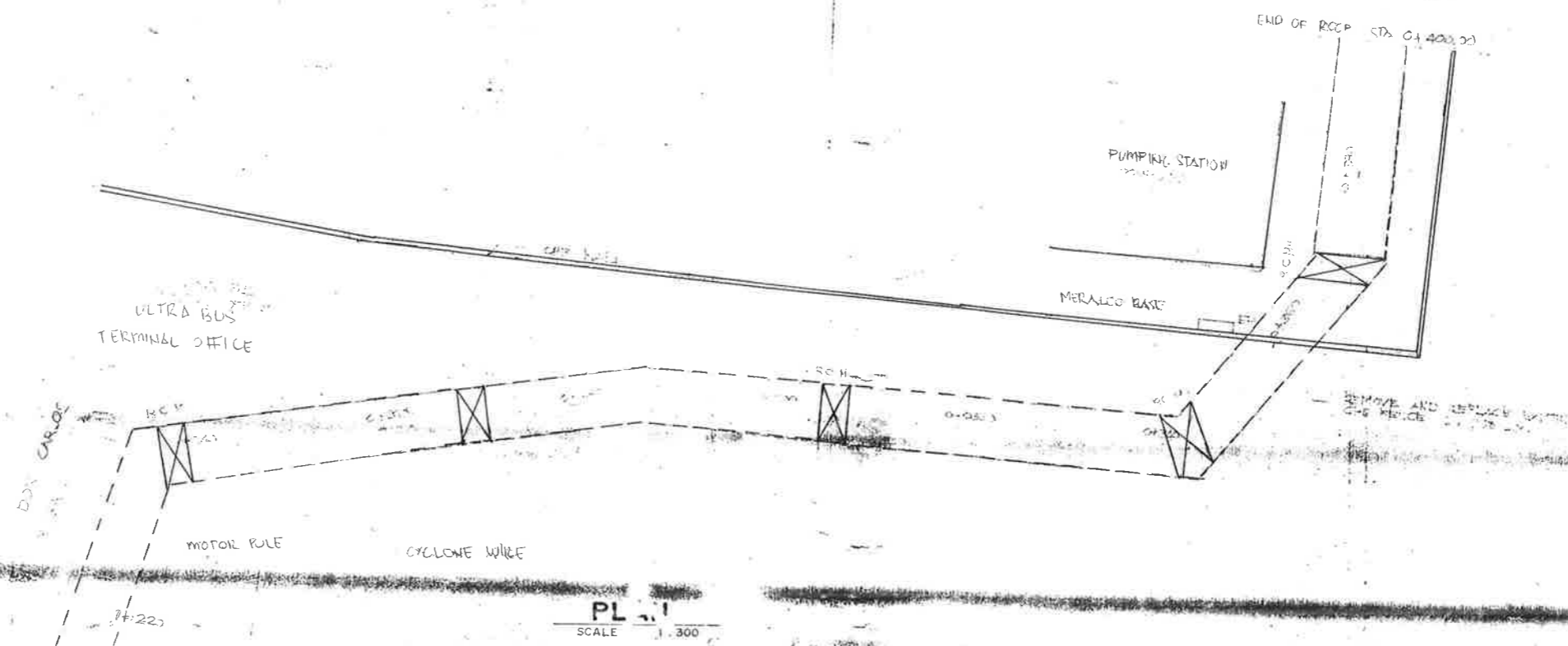


PROFILE
 SCALE: 1:400 HOR, 1:50 VER



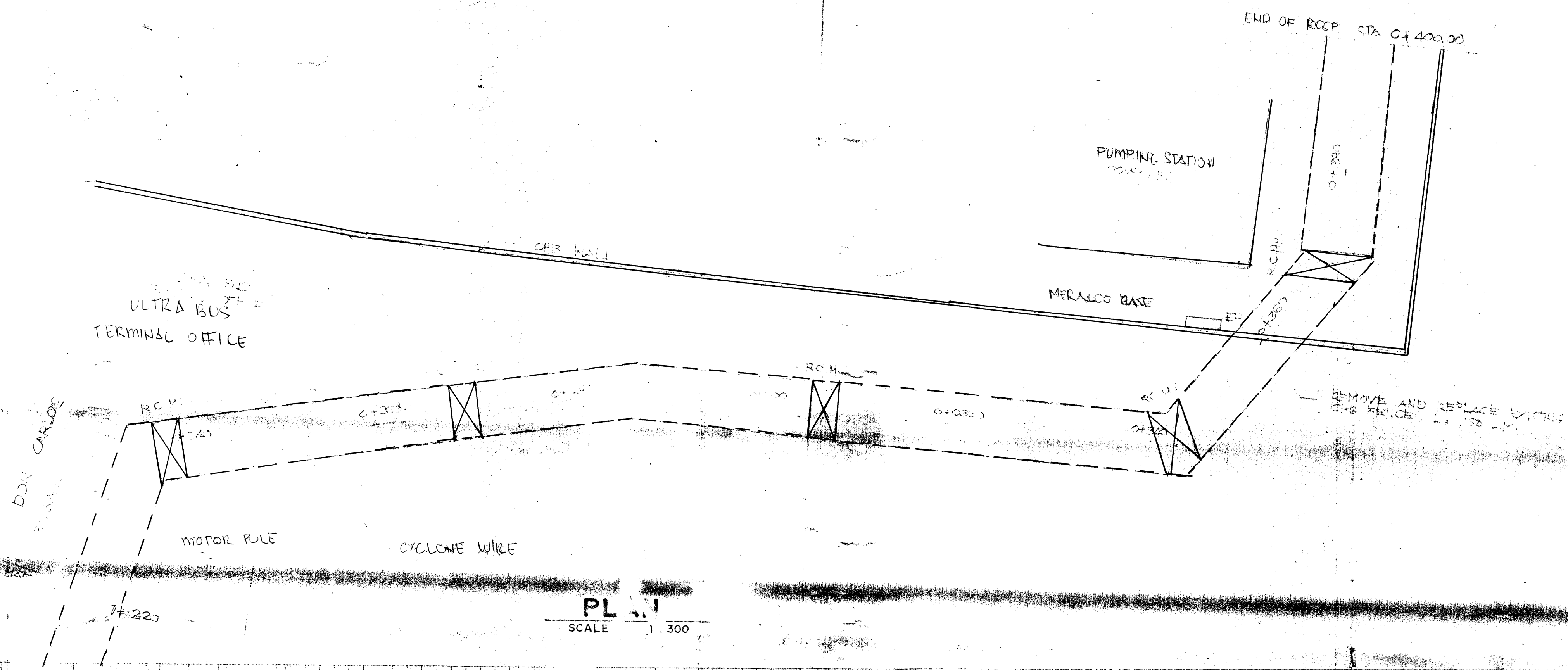
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	APPROVED BY:						

AUGUST 17, 2016
 AS-BUILT DRAWING OF
 BOX CULVERT FROM PMO



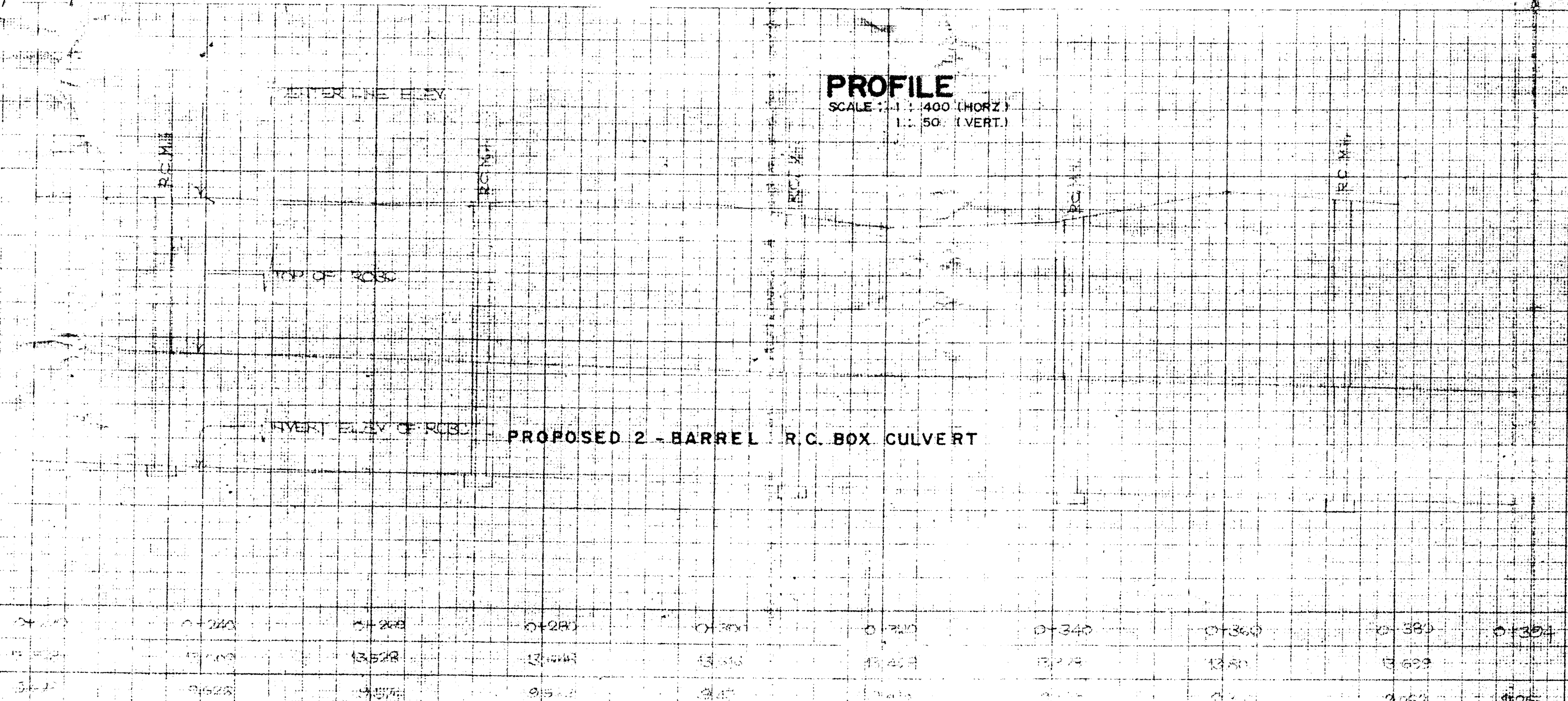
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			CHECKED BY: ROBERTO J. GERBAS ENGINEER IV	DESIGNED BY: JOSE P. BALITE CHIEF, CONSTRUCTION DIVISION	CELESTE M. MELLIZA PROJECT MANAGER	ASST. REGIONAL DIRECTOR	REGIONAL DIRECTOR	1

RECEIVED
 AUGUST 17, 2016
 AS-BUILT DRAWING OF
 BOX CULVERT FROM PMO



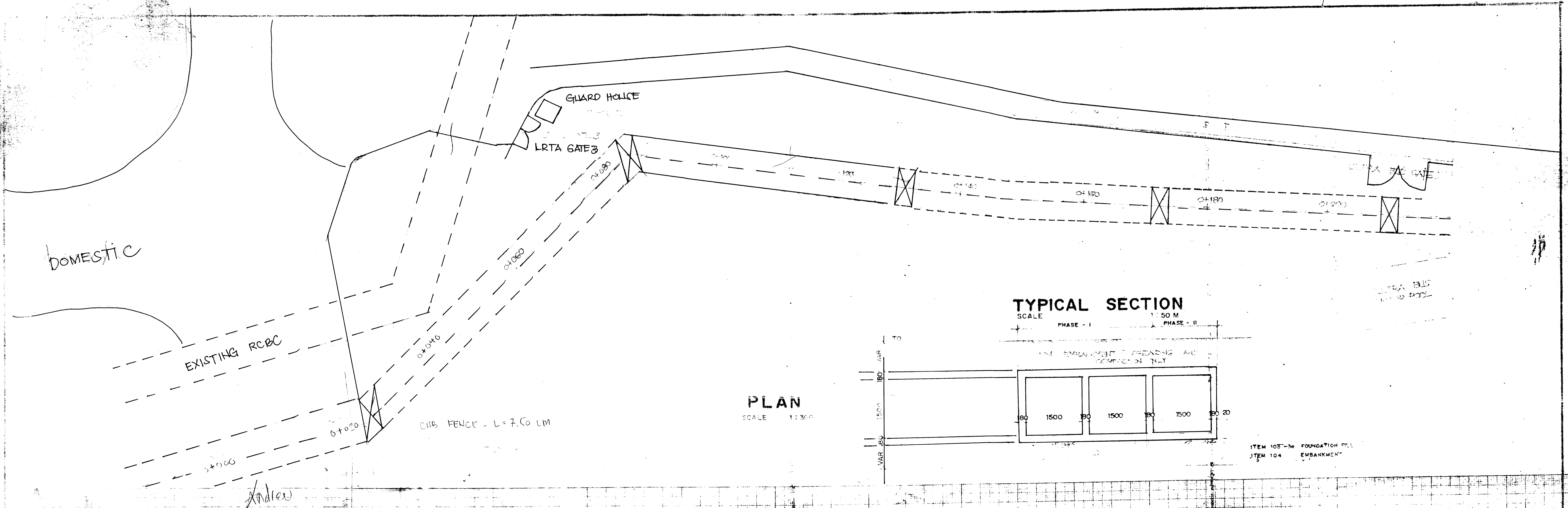
PLAN
 SCALE 1:300

PROFILE
 SCALE 1:100 (HORIZ)
 1:50 (VERT.)



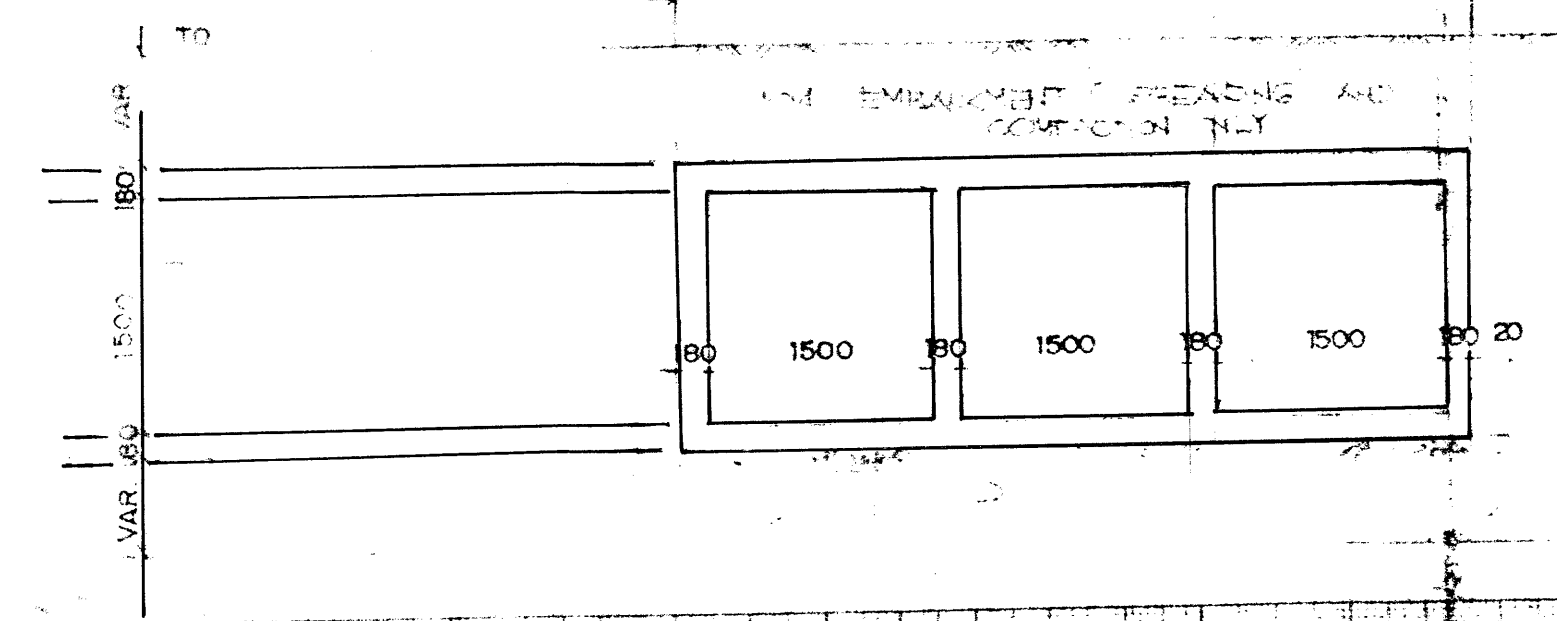
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			CHECKED BY: ROBERTO J. GARCIA ENGINEER	SUBMITTED BY: JOSE V. BALITA CHIEF, CONSTRUCTION DIVISION	CELESTE M. MELLIZA PROJECT MANAGER	ASST. REGIONAL DIRECTOR	REGIONAL DIRECTOR	

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 ESTD
 RECEIVED
 DATE AUGUST 17, 2016
 AS-BUILT DRAWINGS OF
 BOX CULVERT FROM PMD

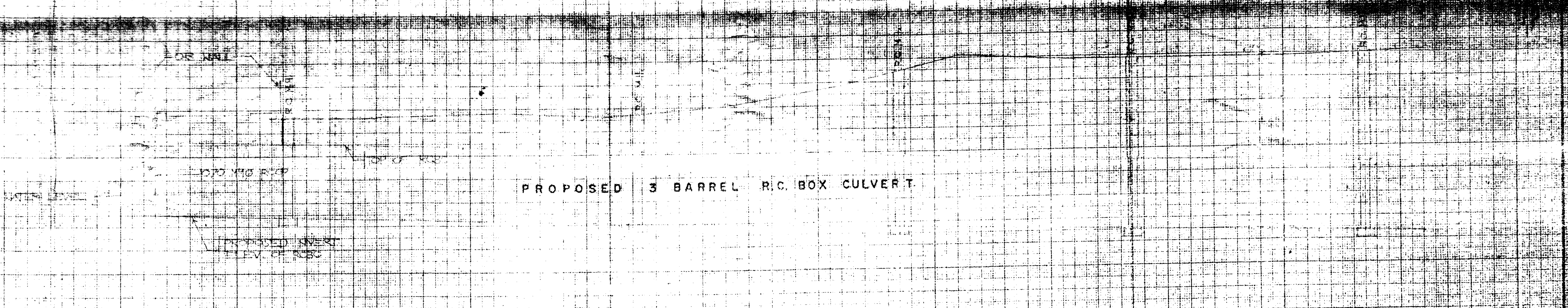


PLAN
 SCALE 1:1500

TYPICAL SECTION
 SCALE 1:50 M
 PHASE - I
 PHASE - II



PROFILE
 SCALE 1:400 HOR
 1:50 VER



STATION	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200
PROPOSED INVERT ELEV. OF RC&C	12.522	12.388	12.254	12.120	11.986	11.852	11.718	11.584	11.450	11.316	11.182
PROPOSED INVERT ELEV. OF RC&C	10.178	10.044	9.910	9.776	9.642	9.508	9.374	9.240	9.106	8.972	8.838

REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS & HIGHWAYS NATIONAL CAPITAL REGION CONSTRUCTION DIVISION	PROJECT & LOCATION: IMPROVEMENT / WIDENING OF ANDREW AVENUE DRAINAGE OUTLET GOING TO PUMPING STA. LAGAY CITY, METRO MANILA	SHEET CONTENT: PLAN & PROFILE	PREPARED BY: MAJORELYN B. RAJAL ENGINEER IN CHARGE	REVIEWED BY: MEDEN S. CHUA GENERAL PLANNING & DESIGN DIV. CELESTE M. MELLIZA PROJECT MANAGER	RECOMMENDING APPROVAL: RSM: R. DEANG, CESO VI ASST. REGIONAL DIRECTOR	APPROVED BY: SALVADOR A. PLEYTO, CESO III REGIONAL DIRECTOR	SET NO.: 8/480
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Part 2. Employer's Requirements
Section VI – 4 Supplemental Information
VI – 4 – 6 Baclaran Expansion Depot
Demarcation Line and LRMC Temporary
Stabling Area

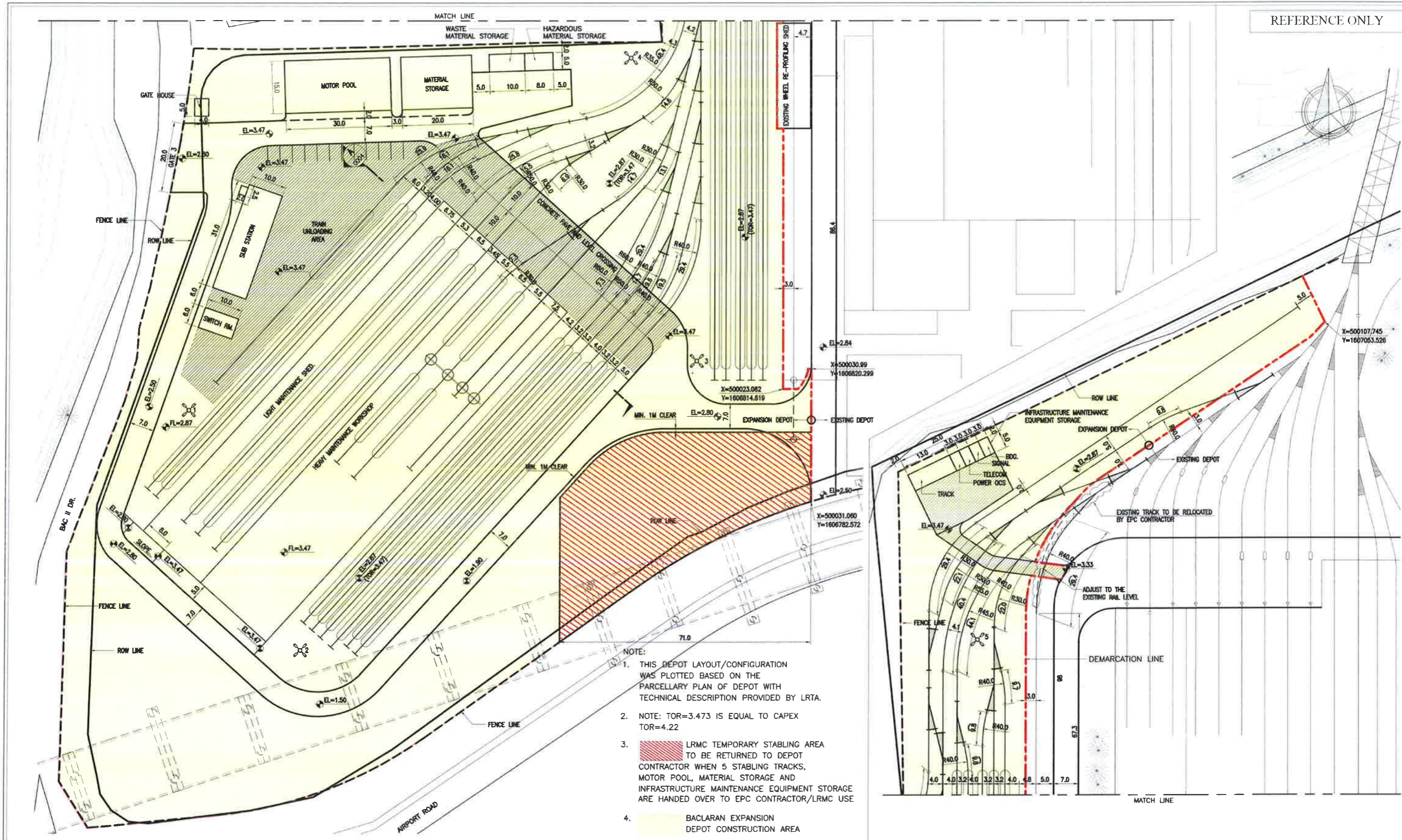
Civil Works and Maintenance
Equipment for Depots

**Supplementary Information of
Demarcation Line and Temporary Stabling Area**

The following is a reference of Baclaran Expansion Depot Demarcation Line and LRMC Temporary Stabling Area for LRT Line 1 Cavite Extension Project (L1CEP):

1. Baclaran Expansion Depot Demarcation Line and LRMC Temporary Stabling Area.

REFERENCE ONLY



REVISIONS						
REV. No.	DATE	DESCRIPTION	DRAWN	DESIGN	CHECKED	APPROVED
0	10 MAY 2017	FIRST ISSUE				

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SCALE: 1:1000

PACKAGE: EXPANSION OF EXISTING DEPOT AT BACLARAN AND CONSTRUCTION OF NEW SATELLITE DEPOT AT ZAPOTE

DRAWING TITLE:
**BACLARAN EXPANSION DEPOT
DEMARICATION LINE AND LRMC TEMPORARY STABLING AREA**

CAD FILE #:
Dwg # CMX-L1/DP-CI-01-0011

Rev #: 0