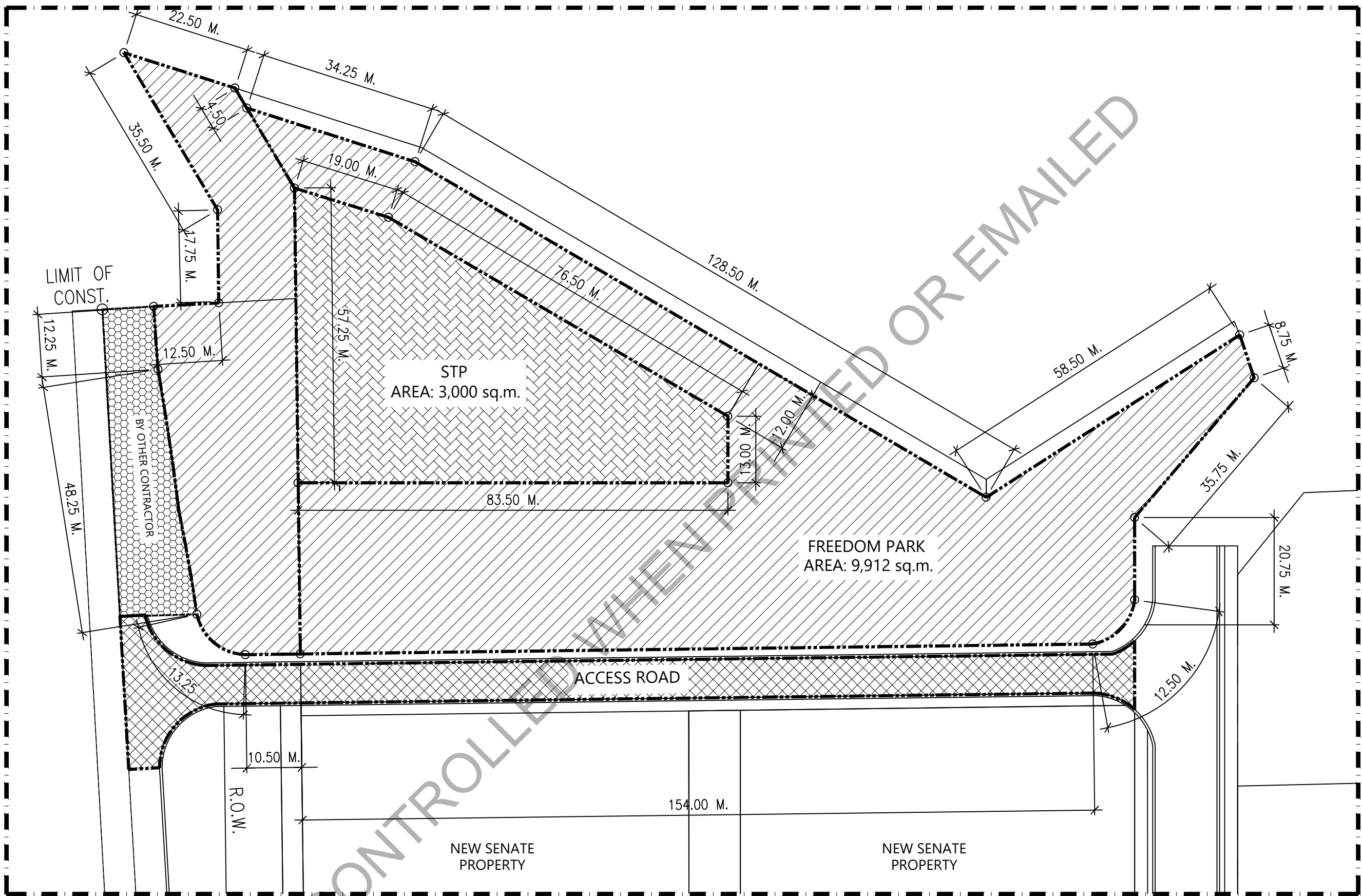


C

VICINITY MAP
 SCALE NTS

UNCONFIRMED

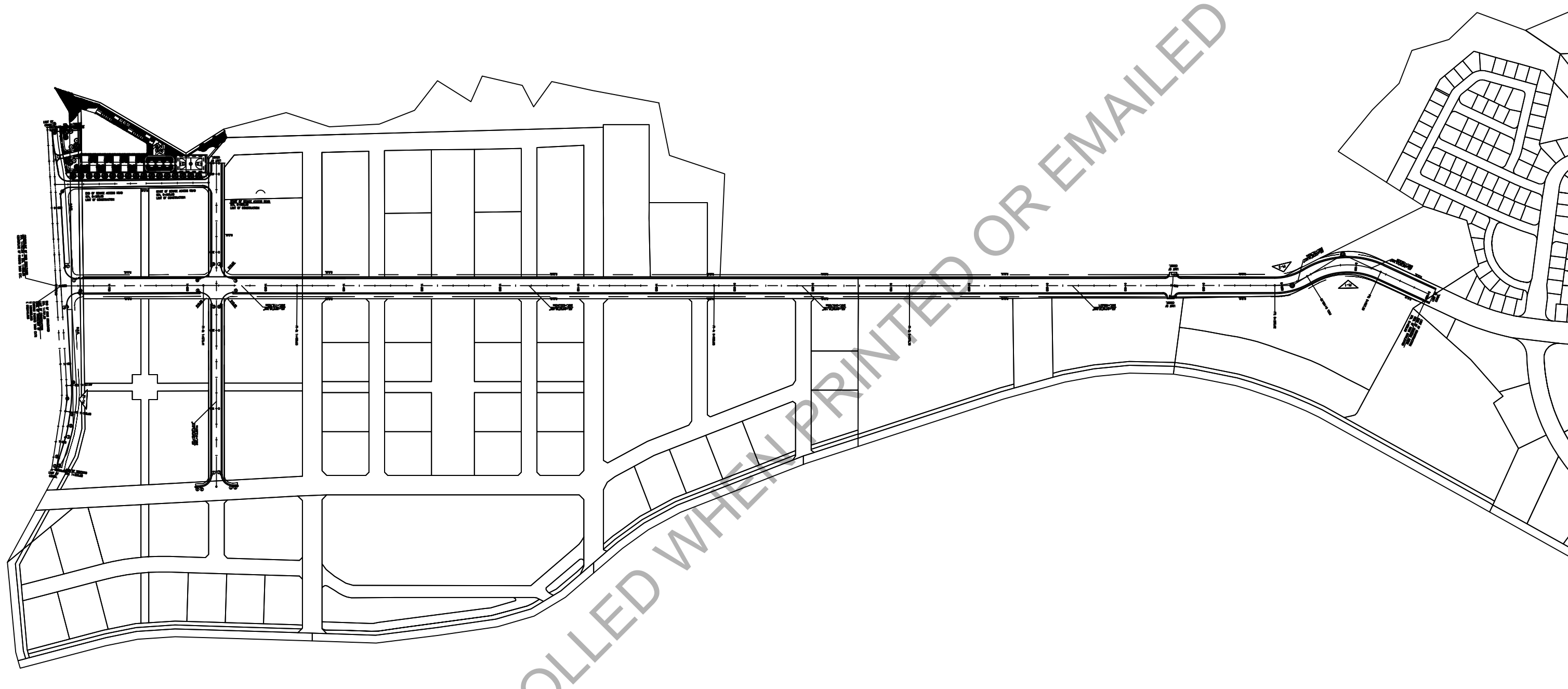
Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY : JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY : JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY : ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : <p style="text-align: center;">"STP, ACCESS ROAD AND FREEDOM PARK"</p>	SHEET CONTENT : VICINITY MAP		SCALE : NTS	SHEET NO. A-1.1
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO.			



NOTE:
ACTUAL PROJECT LOT DESCRIPTION
AND DIMENSION IS SUBJECT TO
SURVEYING INFO.

(A) **SITE PLAN**
SCALE 1:750

Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY : JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY : JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY : ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : <p style="text-align: center;">"STP, ACCESS ROAD AND FREEDOM PARK"</p>	SHEET CONTENT : SITE PLAN		SCALE : 1:750	SHEET NO. A-2
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO.			

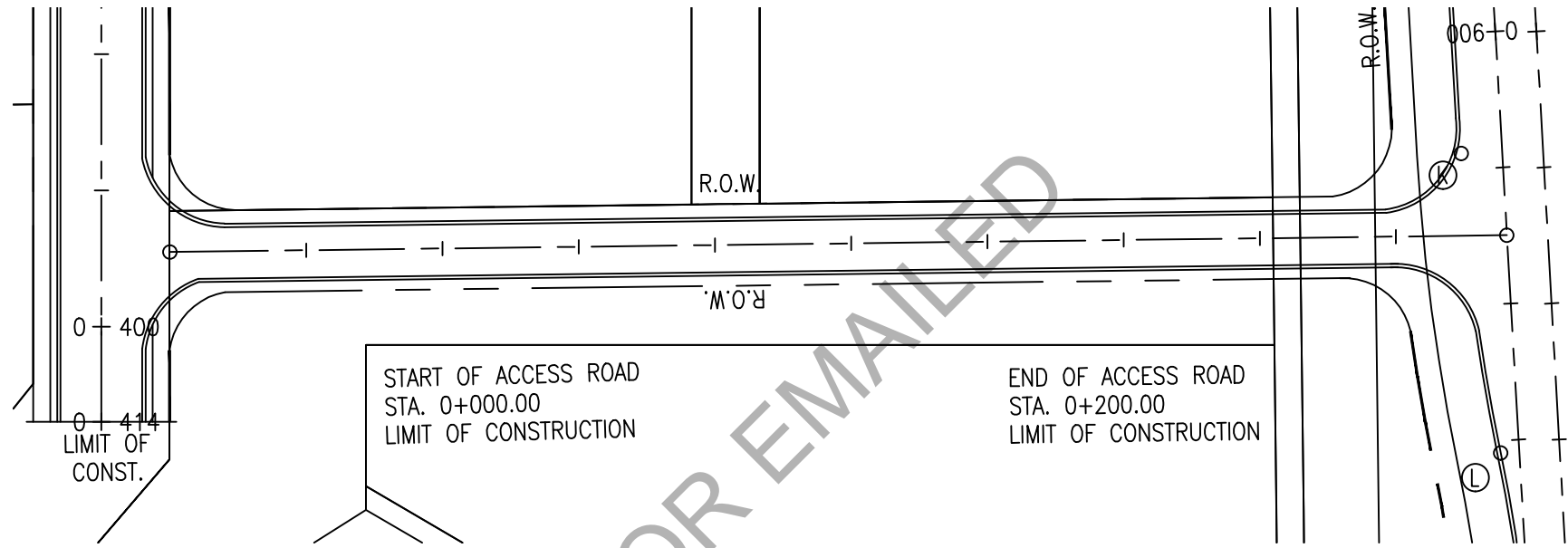


A
BLOCK PLAN
 SCALE 1:5000

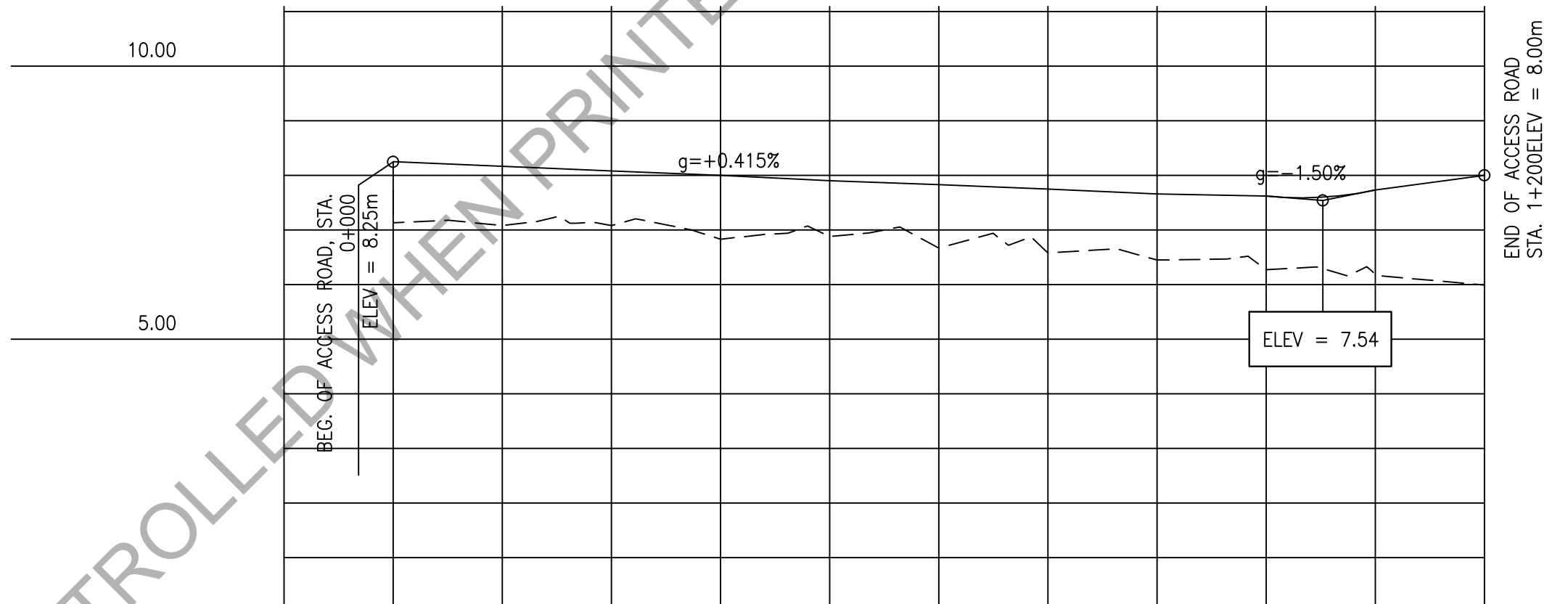
Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY : JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY : JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY : ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : <p style="text-align: center;">"STP, ACCESS ROAD AND FREEDOM PARK"</p>	SHEET CONTENT : BLOCK PLAN		SCALE : 1:5000	SHEET NO. A-2.1
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO.			

NOTES:

- DESIGN SPEED ADOPTED FOR THE DESIGN OF ACCESS ROAD WIDENING IS 40 KPH.
- THE MAXIMUM WIDTH OF TRAVELED WAY IS 7.00 METERS (2 LANES @ 3.5m PER LANE).
- THE STATIONING OF ACCESS ROAD ADOPTED THE STATIONING OF EXISTING PASONG TAMO ROAD.
- THE FINISHED GRADE ELEVATION OF THE NEW AC PAVEMENT AT THE CONNECTION SHALL BE FLUSHED FINISHED WITH THE SURFACE ELEVATION OF THE EXISTING PAVEMENT. ANY CONFLICT WITH THE INDICATED ELEVATION IN THE PLAN AND PROFILE, THE SURFACE ELEVATION OF EXISTING PAVEMENT SHALL GOVERN.
- THE LIMIT-OF-CONSTRUCTION OF WIDENING OF ACCESS ROAD IS 12.00 METERS FROM THE SIDE EDGE OF THE NEW SENATE PROPERTY.



C PLAN AND PROFILE - ACCESS ROAD
SCALE 1:1000



STATION	0+000	0+020	0+040	0+060	0+080	0+100	0+120	0+140	0+160	0+180	0+200
FINISHED GRADE ELEV	8.25	8.16	8.08	8.00	7.90	7.83	7.75	7.66	7.62	7.73	8.00
EXISTING GRADE	7.13	7.08	7.08	6.83	6.88	6.67	6.58	6.45	6.27	6.17	5.99



PREPARED BY:
JANSEN GABRIEL S. LIM
ENGINEER

PREPARED BY:
JOHN V. PACETE
ARCHITECT

APPROVED AND REVIEWED BY:
ENGR. MARK P. TORRES
OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT

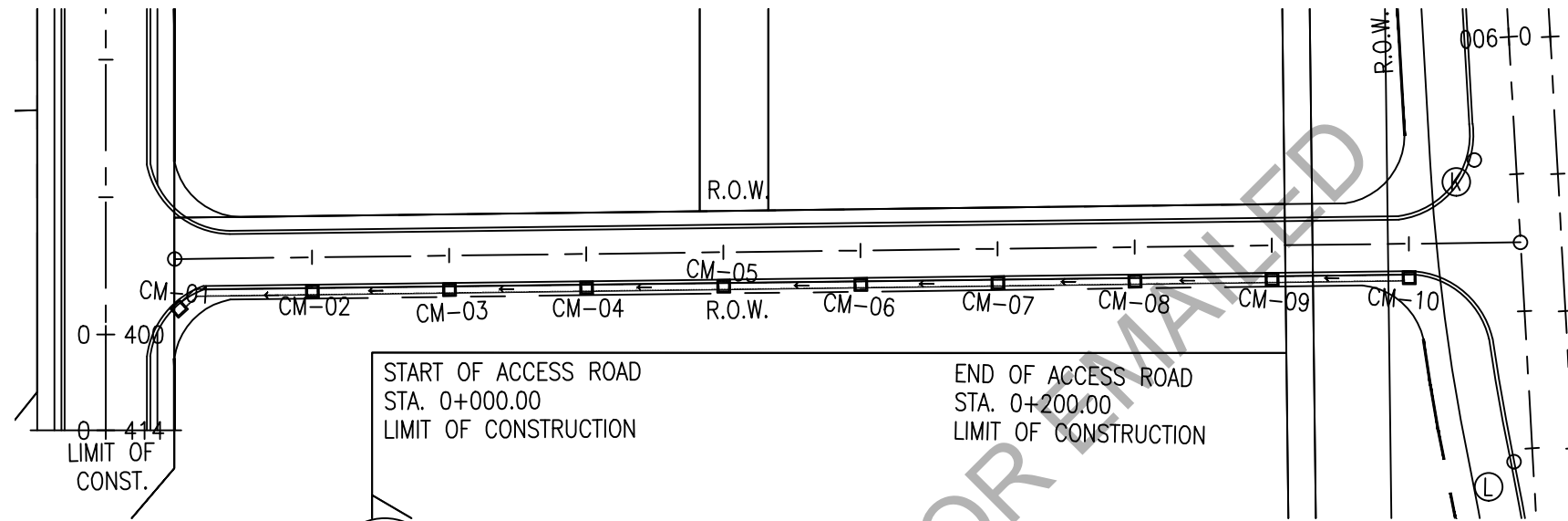
PROJECT TITLE:
"STP, ACCESS ROAD AND FREEDOM PARK"

LOCATION: PASONG TAMO EXTENSION, TAGUIG CITY

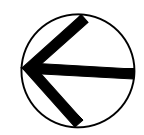
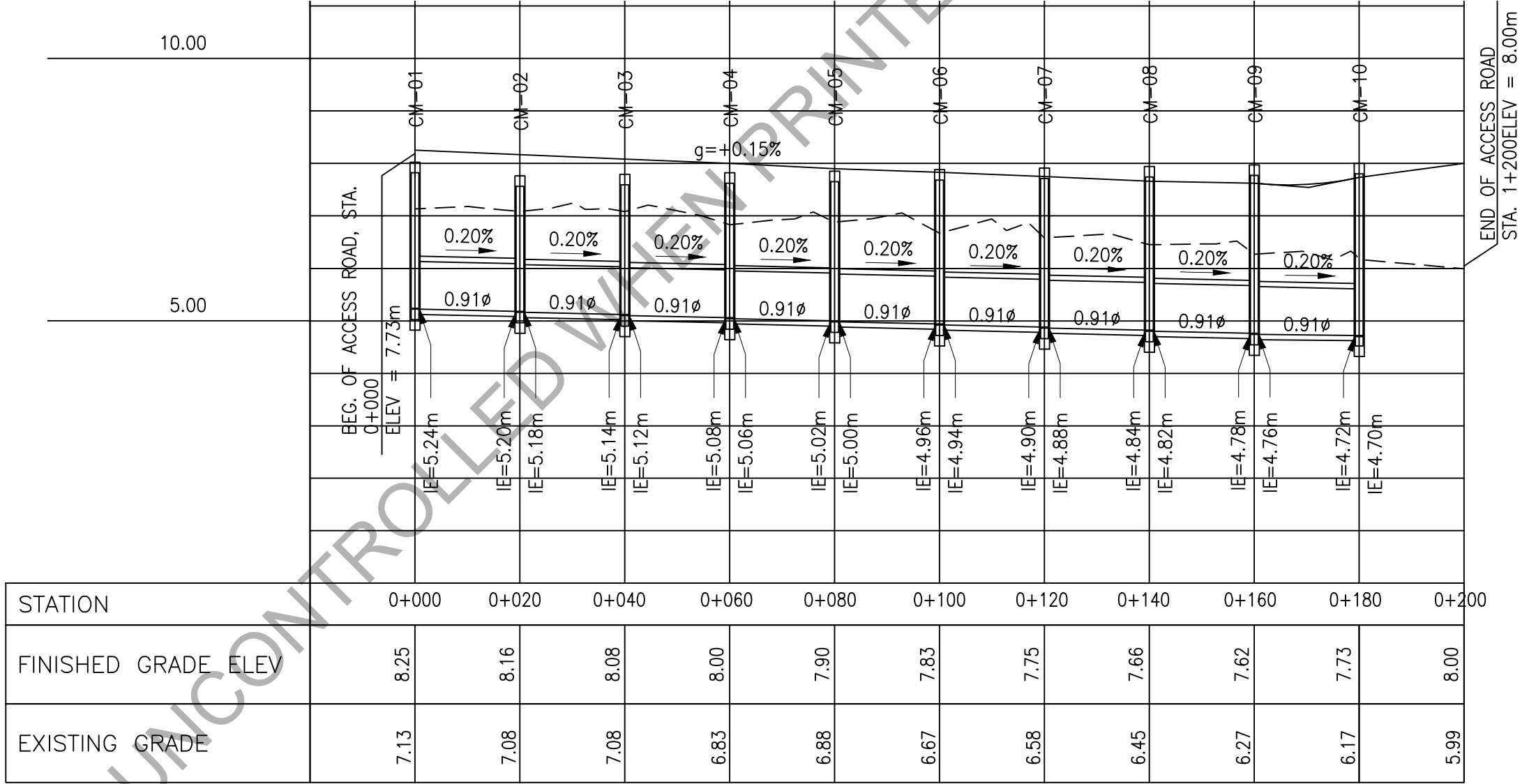
SHEET CONTENT:
PLAN AND PROFILE - ACCESS ROAD

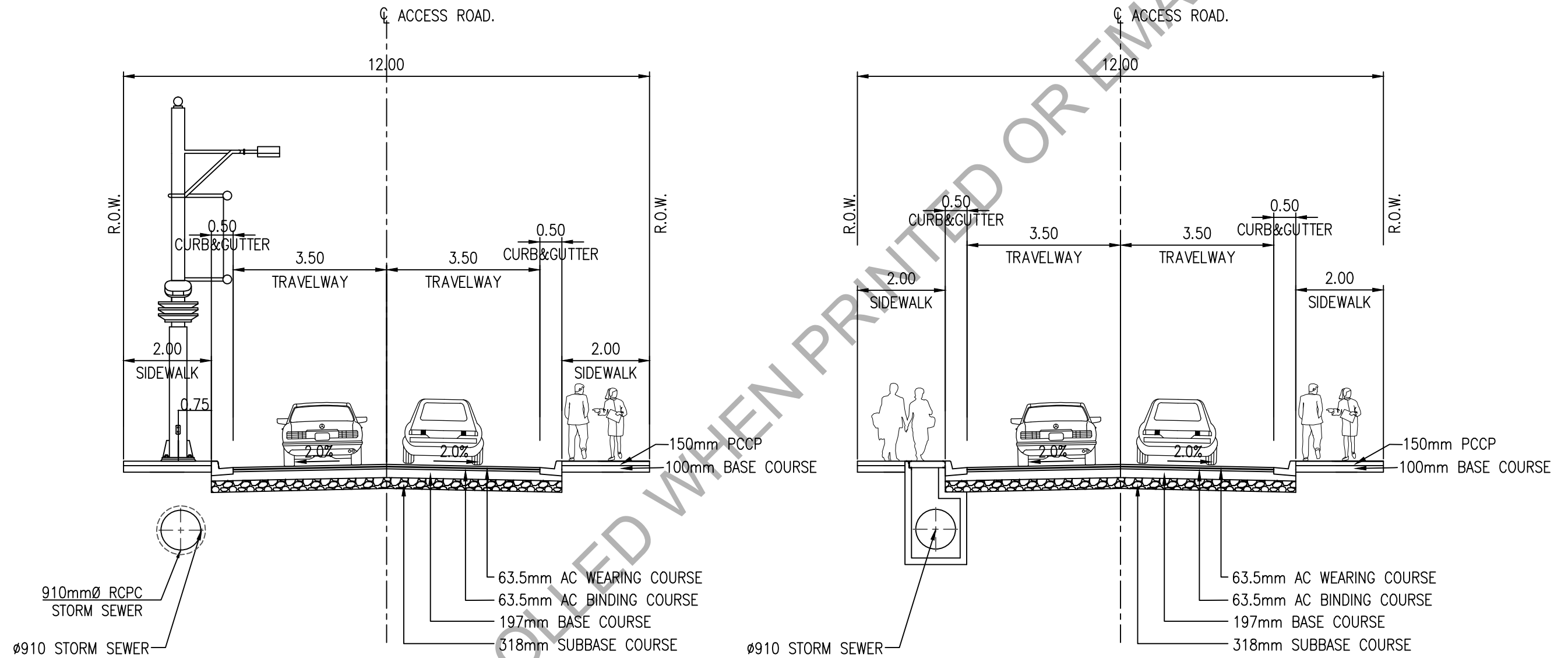


SCALE: 1:1000
SHEET NO. **A-3**
REVISION NO.



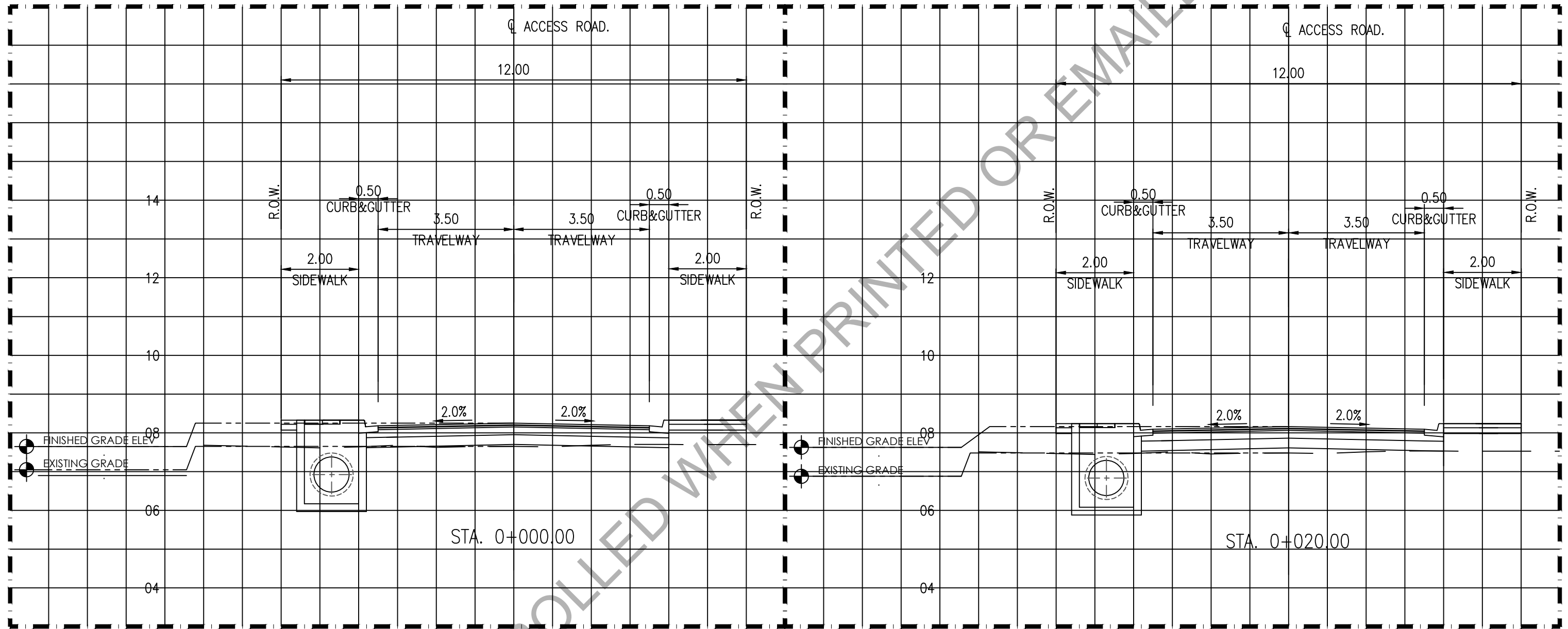
A DRAINAGE PLAN & PROFILE
SCALE 1:1000





A TYPICAL CROSS SECTION DETAILS
SCALE 1:100

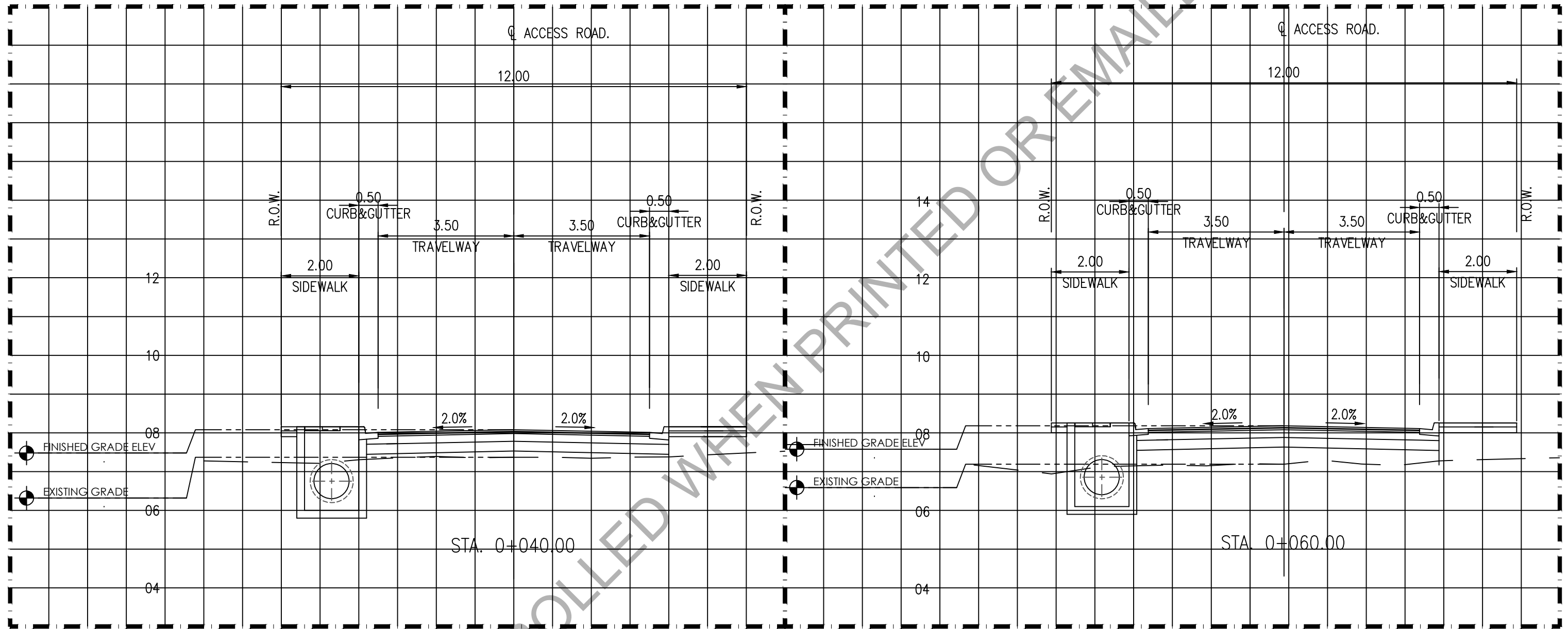
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	 JANSEN GABRIEL S. LIM ENGINEER	 JOHN V. PACETE ARCHITECT	 ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"	TYPICAL CROSS SECTION DETAILS	1:100	A-5
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY			REVISION NO. :



A TYPICAL CROSS SECTION (@ 0+000.00)
SCALE 1:100




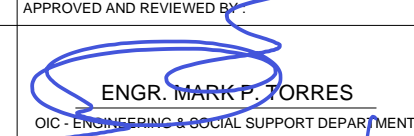
B TYPICAL CROSS SECTION (@ 0+020.00)
SCALE 1:100

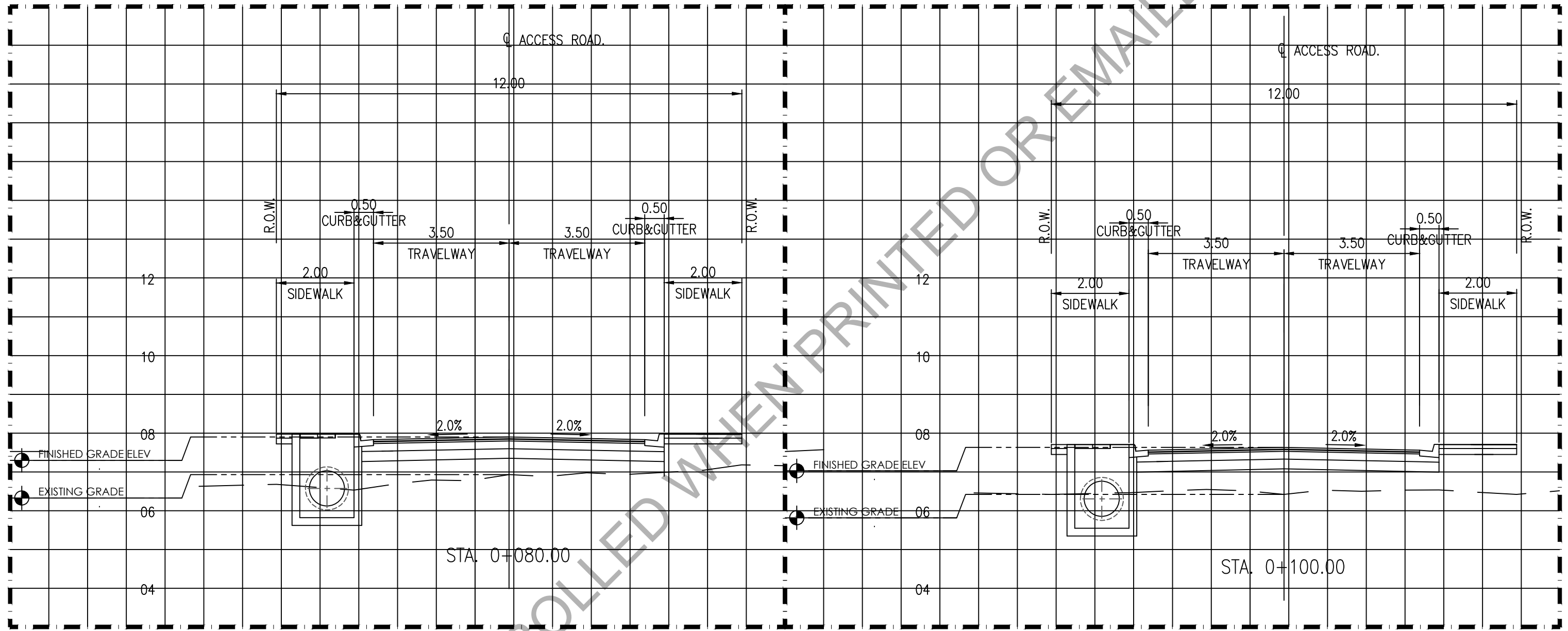
	PREPARED BY : JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY : JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY : ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : TYPICAL CROSS SECTION DETAILS	SCALE : 1:100	SHEET NO. A-5.1
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO.		



C TYPICAL CROSS SECTION (@ 0+040.00)
SCALE 1:100

D TYPICAL CROSS SECTION (@ 0+060.00)
SCALE 1:100

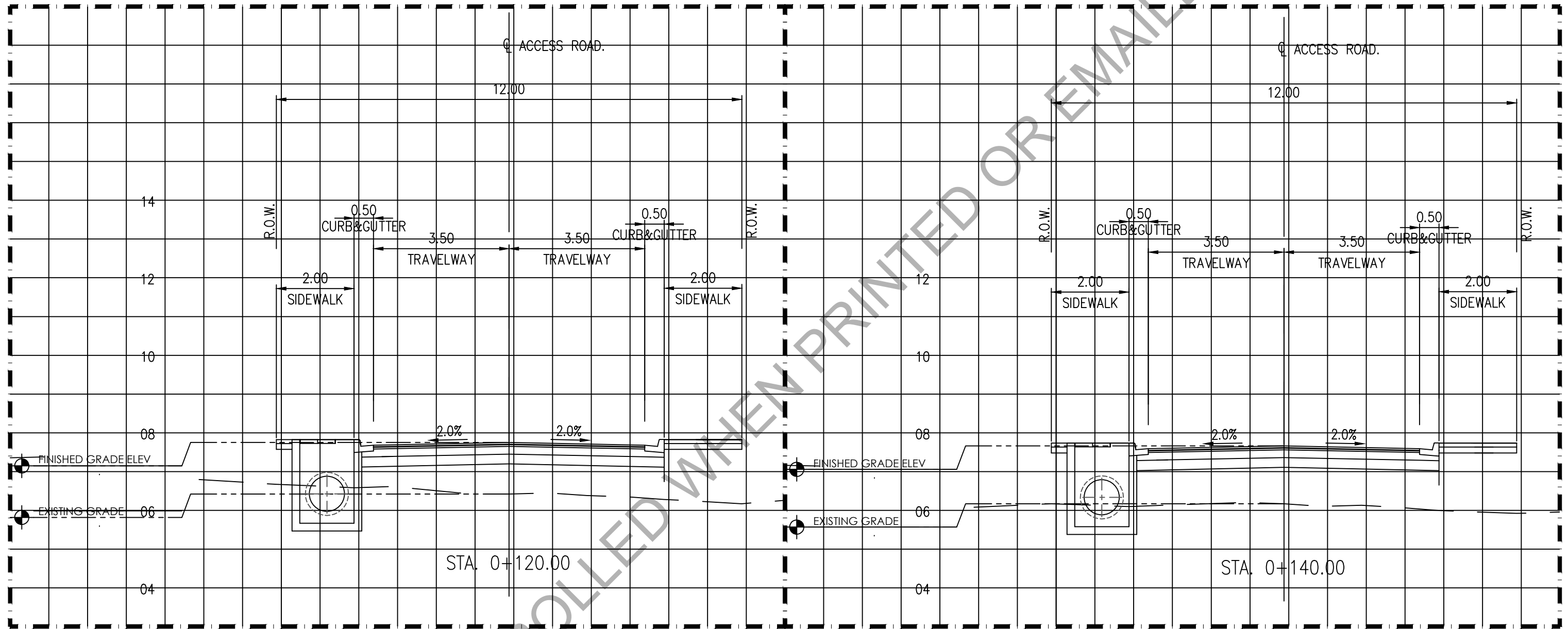
 Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY :  JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY :  JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY :  ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : TYPICAL CROSS SECTION DETAILS	SCALE : 1:100	SHEET NO. A-5.2
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO.		



E TYPICAL CROSS SECTION (@ 0+080.00)
SCALE 1:100

F TYPICAL CROSS SECTION (@ 0+100.00)
SCALE 1:100

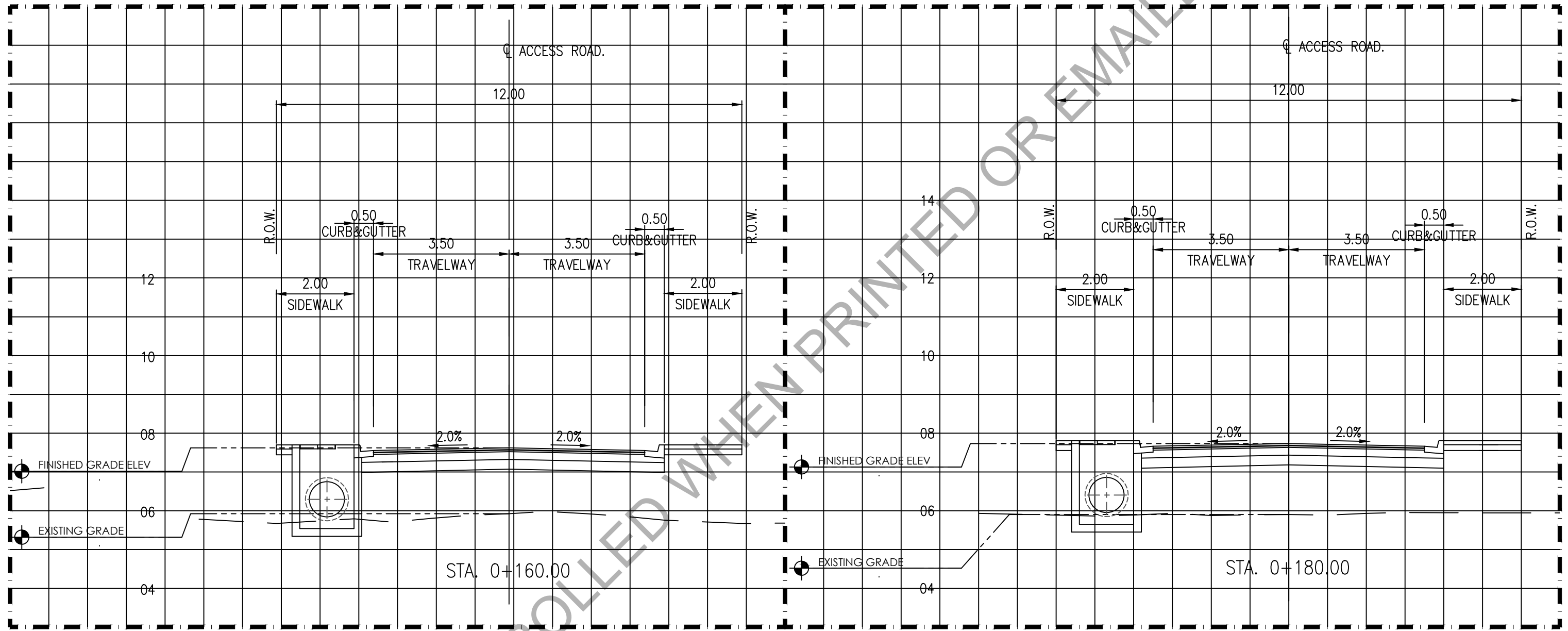
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	JANSSEN GABRIEL S. LIM ENGINEER	JOHN V. PACETE ARCHITECT	ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"	TYPICAL CROSS SECTION DETAILS	1:100	A-5.3
DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY			REVISION NO. :	



G TYPICAL CROSS SECTION (@ 0+120.00)
SCALE 1:100

H TYPICAL CROSS SECTION (@ 0+140.00)
SCALE 1:100

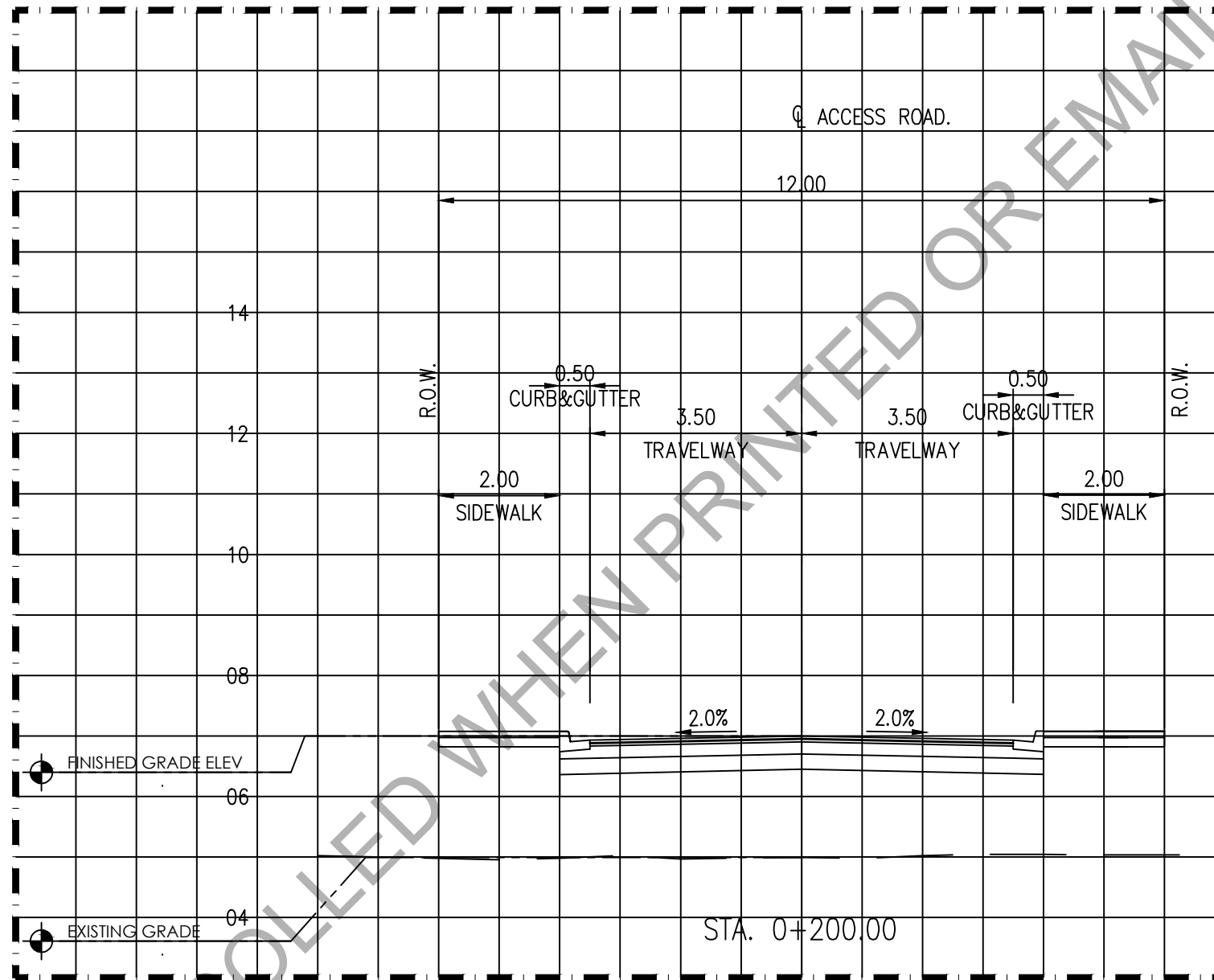
	PREPARED BY : JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY : JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY : ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : TYPICAL CROSS SECTION DETAILS	SCALE : 1:100	SHEET NO. A-5.4
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO.		



I TYPICAL CROSS SECTION (@ 0+160.00)
SCALE 1:100

J TYPICAL CROSS SECTION (@ 0+180.00)
SCALE 1:100

	PREPARED BY: JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY: JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY: ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE: "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT: TYPICAL CROSS SECTION DETAILS	SCALE: 1:100	SHEET NO. A-5.5
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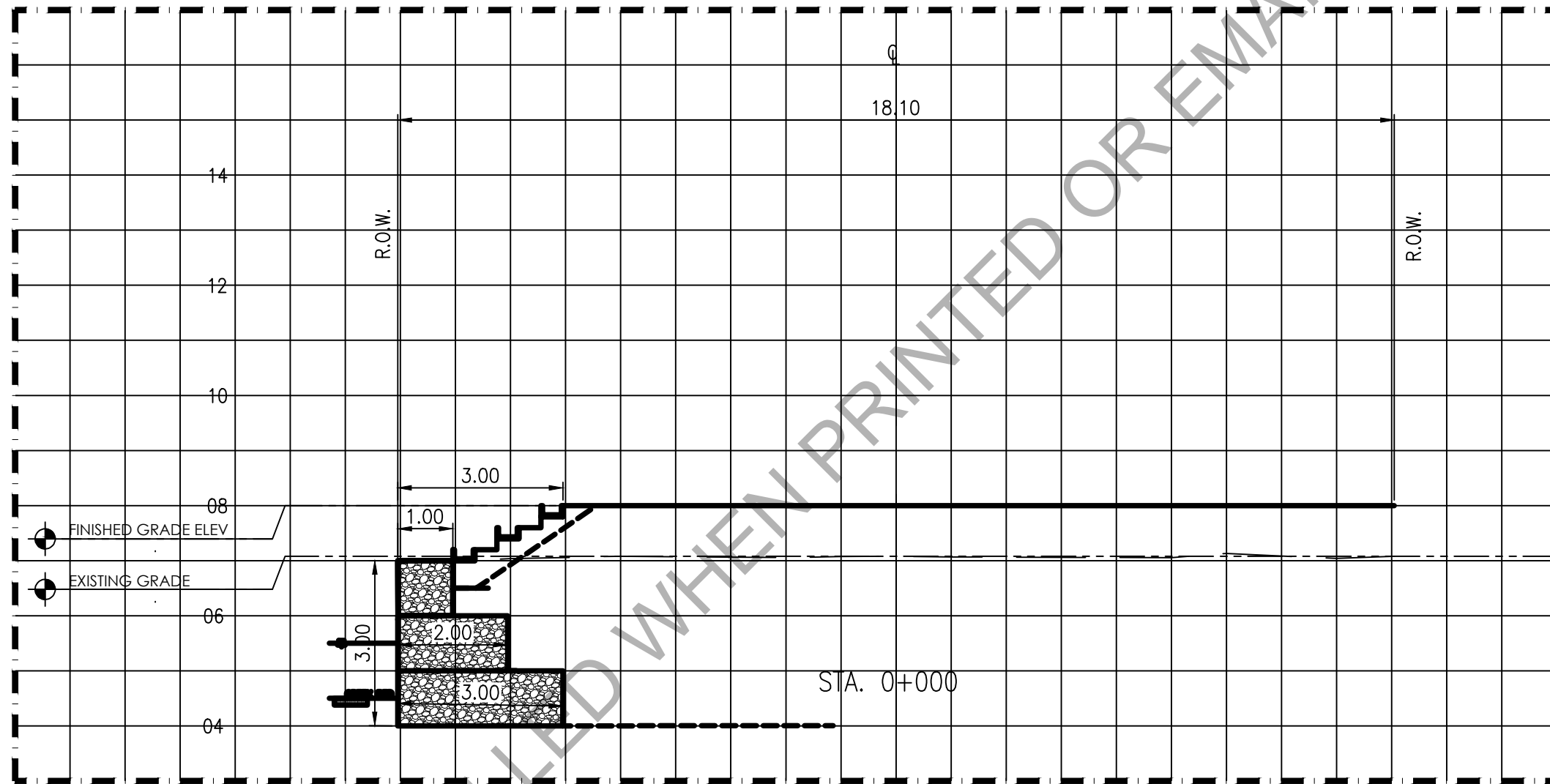


K

TYPICAL CROSS SECTION (@ 0+200.00)

SCALE 1:100

Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY : JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY : JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY : ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : TYPICAL CROSS SECTION DETAILS	SCALE : 1:100	SHEET NO. A-5.6
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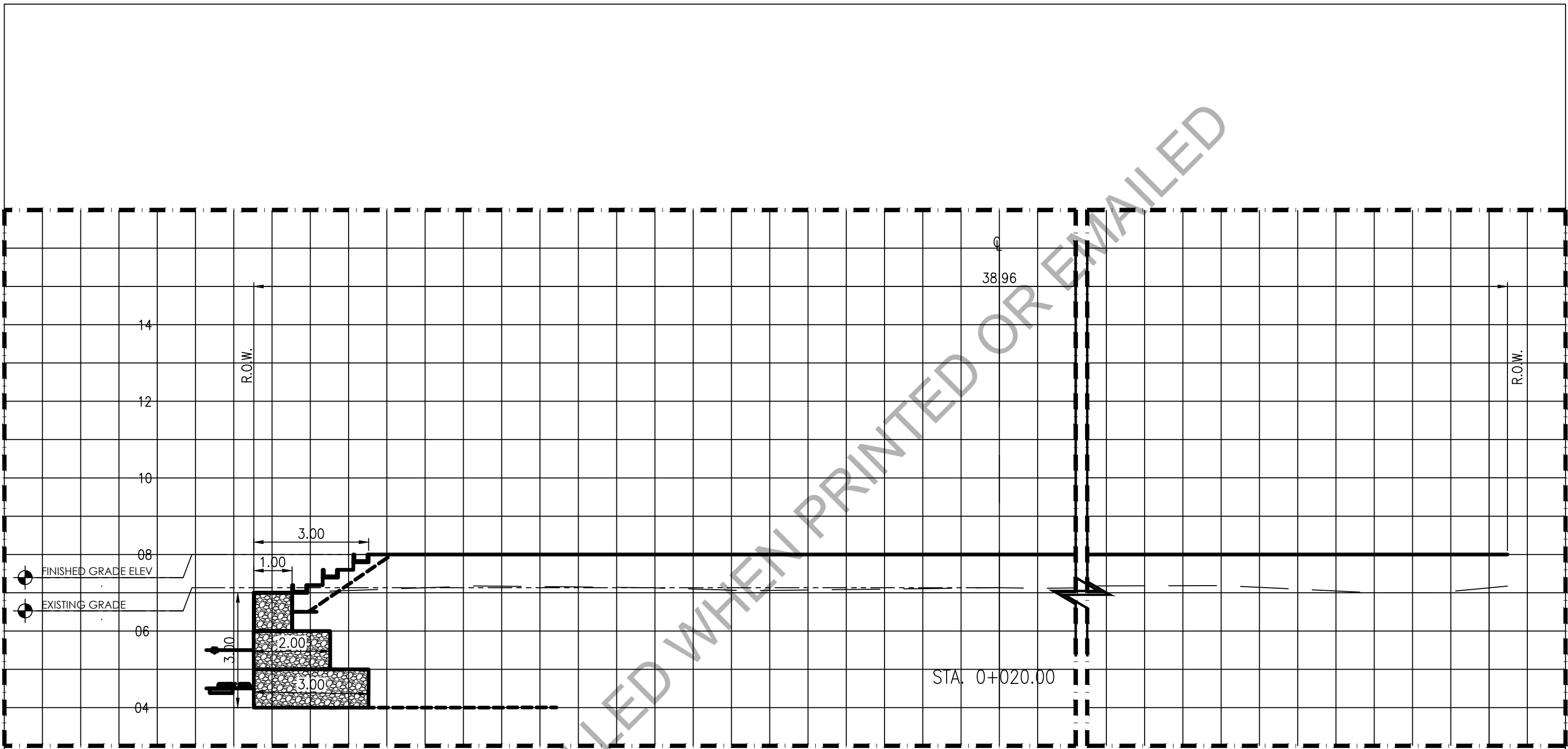


A

TYPICAL CROSS SECTION (@ 0+000.00)

SCALE 1:100

UNCONTROLLED WHEN PRINTED OR EMAILED



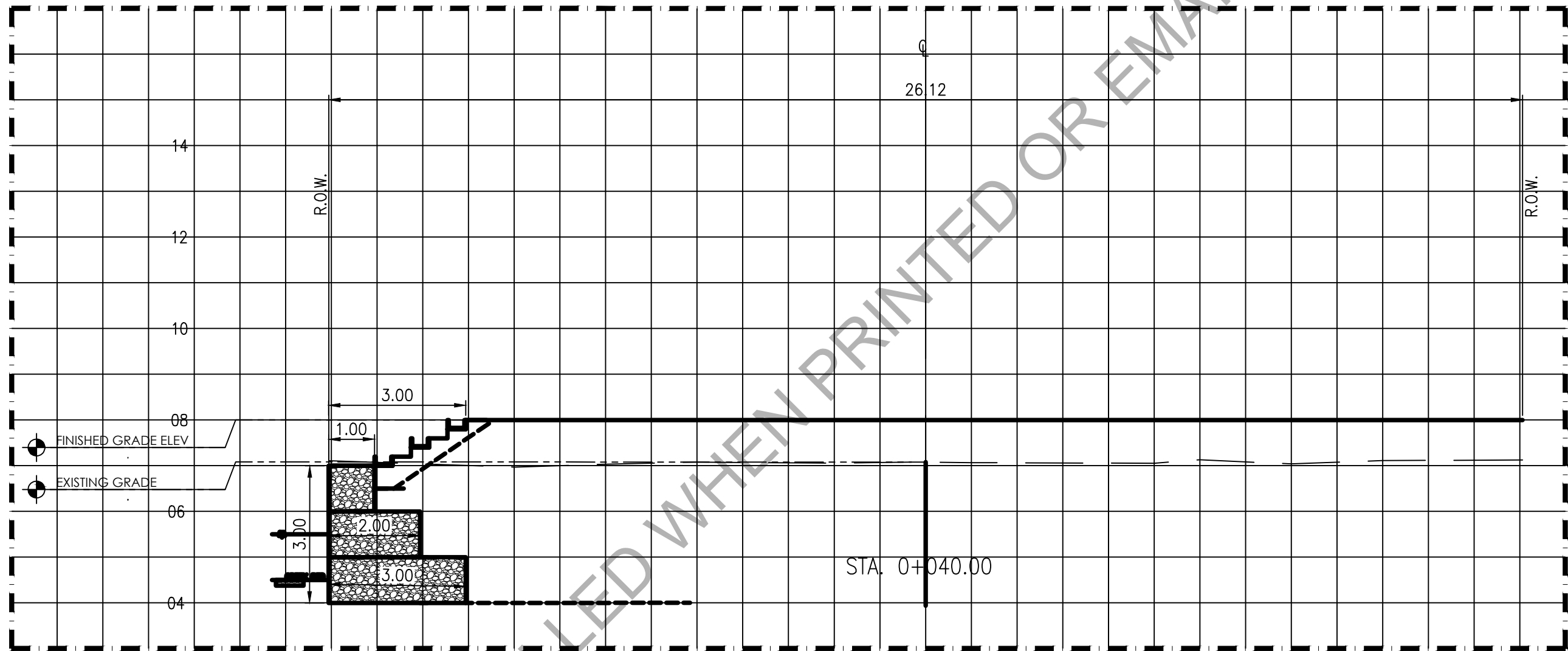
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TYPICAL CROSS SECTION (@ 0+020.00)

SCALE 1:100

UNCONTROLLED WHEN PRINTED OR EMAILED

Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY : JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY : JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY : ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : TYPICAL CROSS SECTION DETAIL	SCALE : 1:1000	SHEET NO. A-6.1
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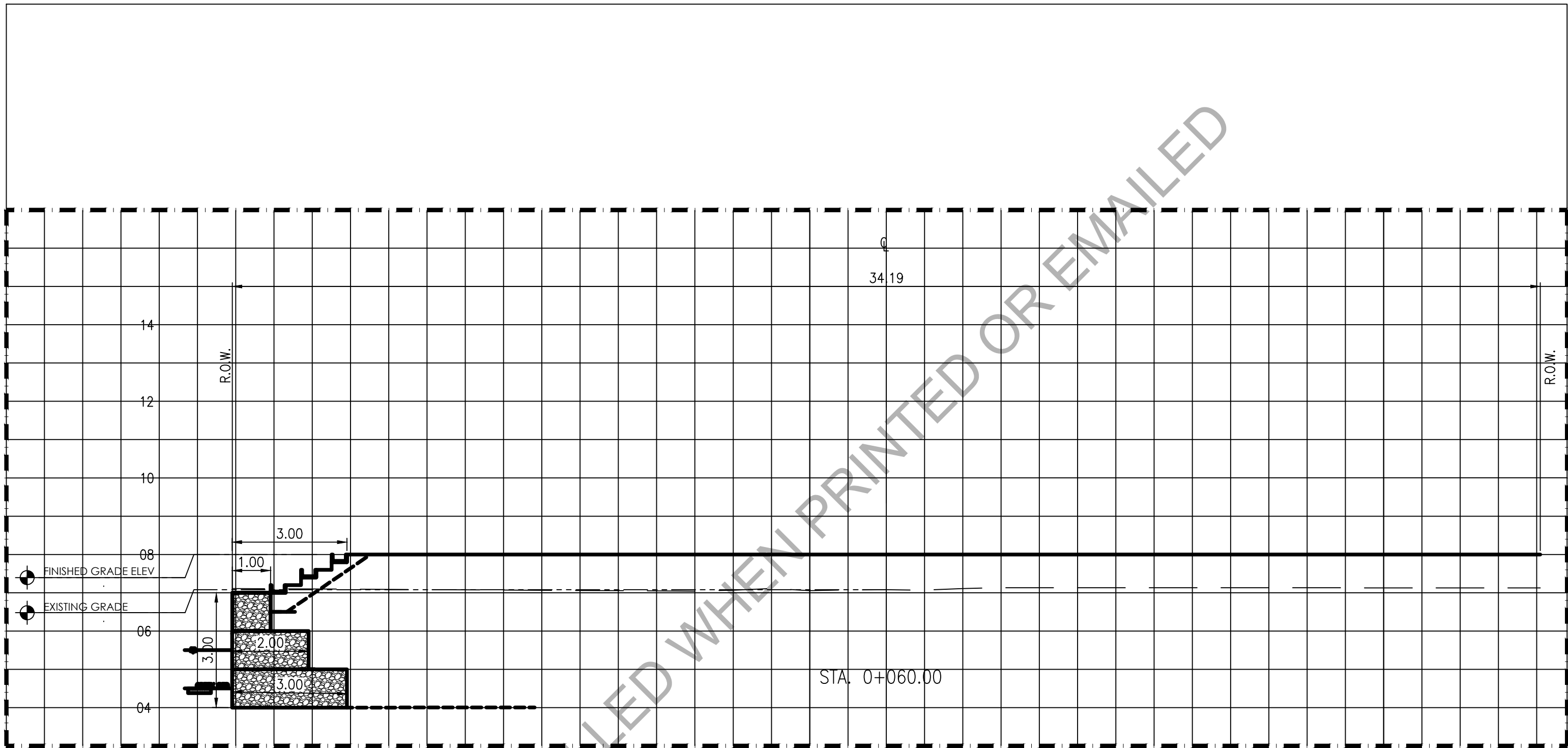
C

TYPICAL CROSS SECTION (@ 0+040.00)

SCALE 1:100

UNCONTROLLED WHEN PRINTED OR EMAILED

Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY : JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY : JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY : ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : TYPICAL CROSS SECTION DETAIL	SCALE : 1:1000	SHEET NO. A-6.2
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO.		

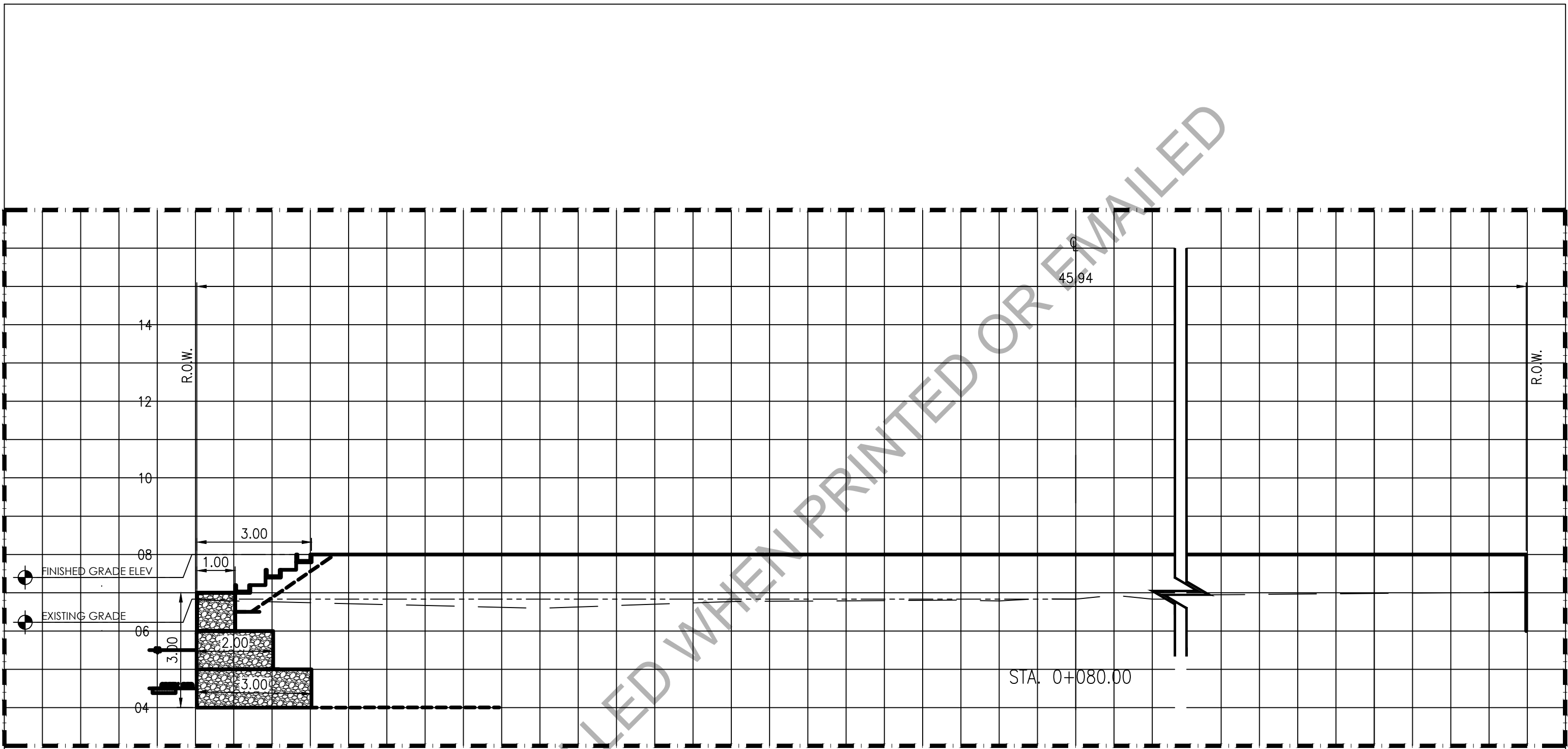


D

TYPICAL CROSS SECTION (@ 0+060.00)

SCALE 1:100

Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY : JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY : JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY : ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : TYPICAL CROSS SECTION DETAIL	SCALE : 1:1000	SHEET NO. A-6.3
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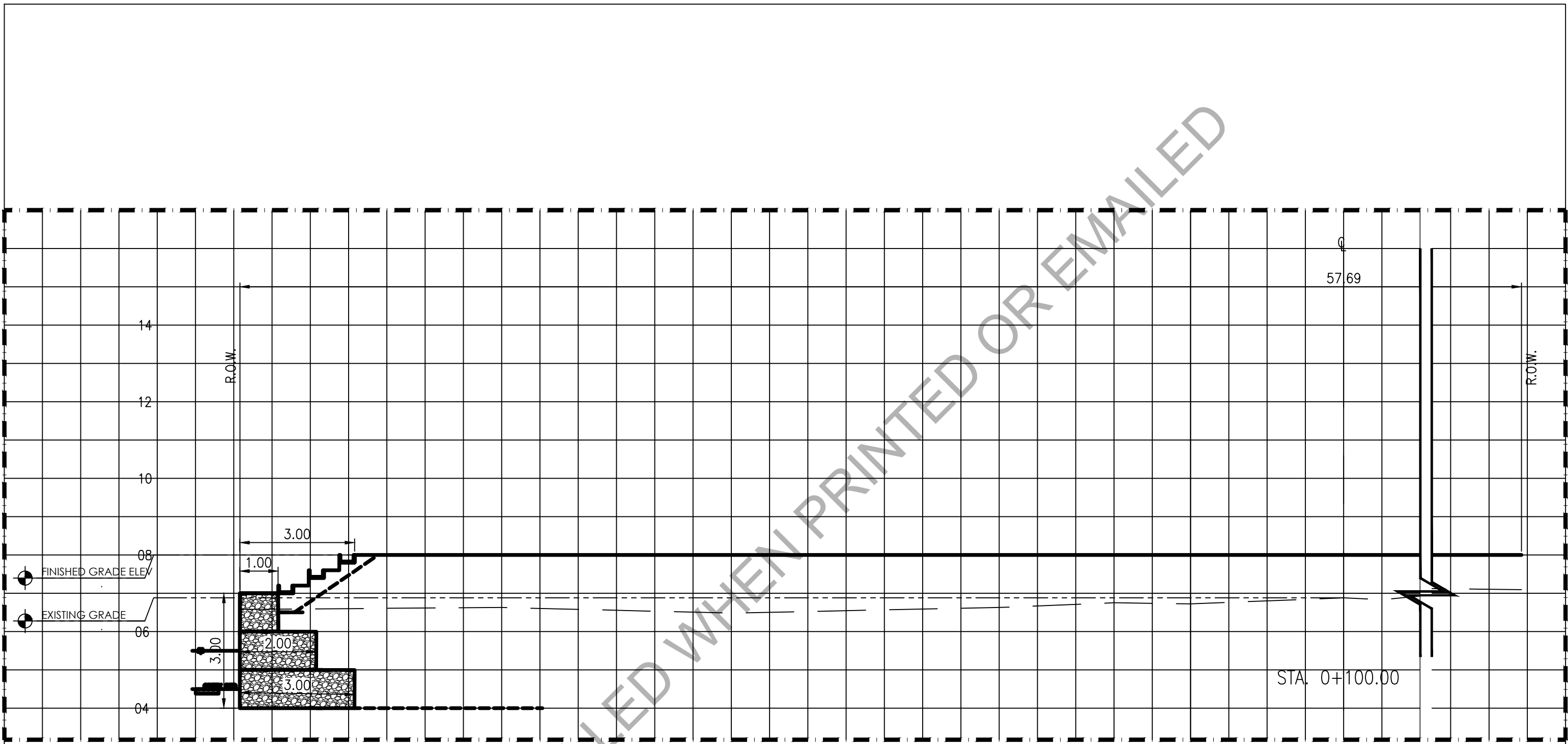


E

TYPICAL CROSS SECTION (@ 0+080.00)

SCALE 1:100

Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY : JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY : JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY : ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : TYPICAL CROSS SECTION DETAIL	SCALE : 1:1000	SHEET NO. A-6.4
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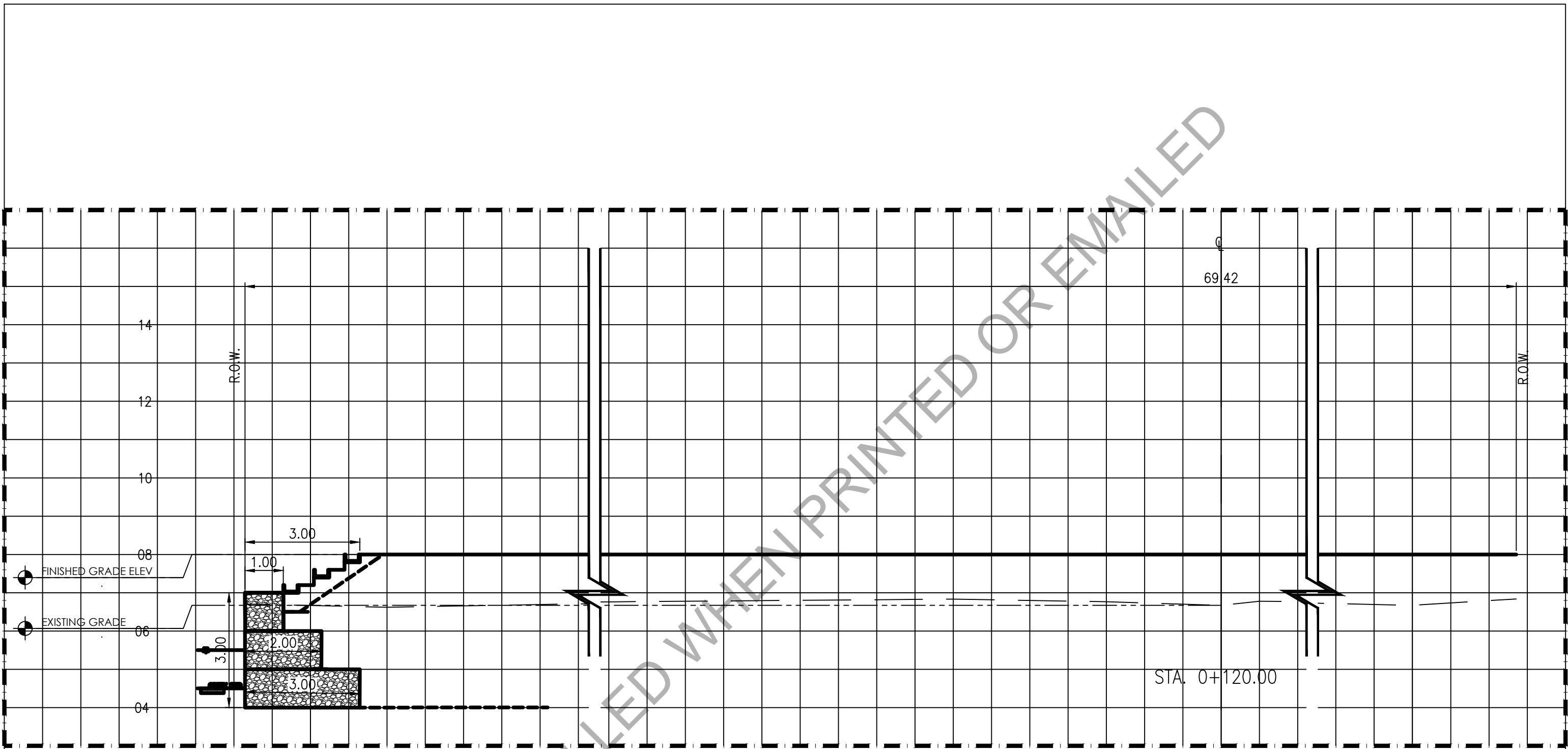


F

TYPICAL CROSS SECTION (@ 0+100.00)

SCALE 1:100

Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY : JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY : JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY : ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : TYPICAL CROSS SECTION DETAIL	SCALE : 1:1000	SHEET NO. A-6.5
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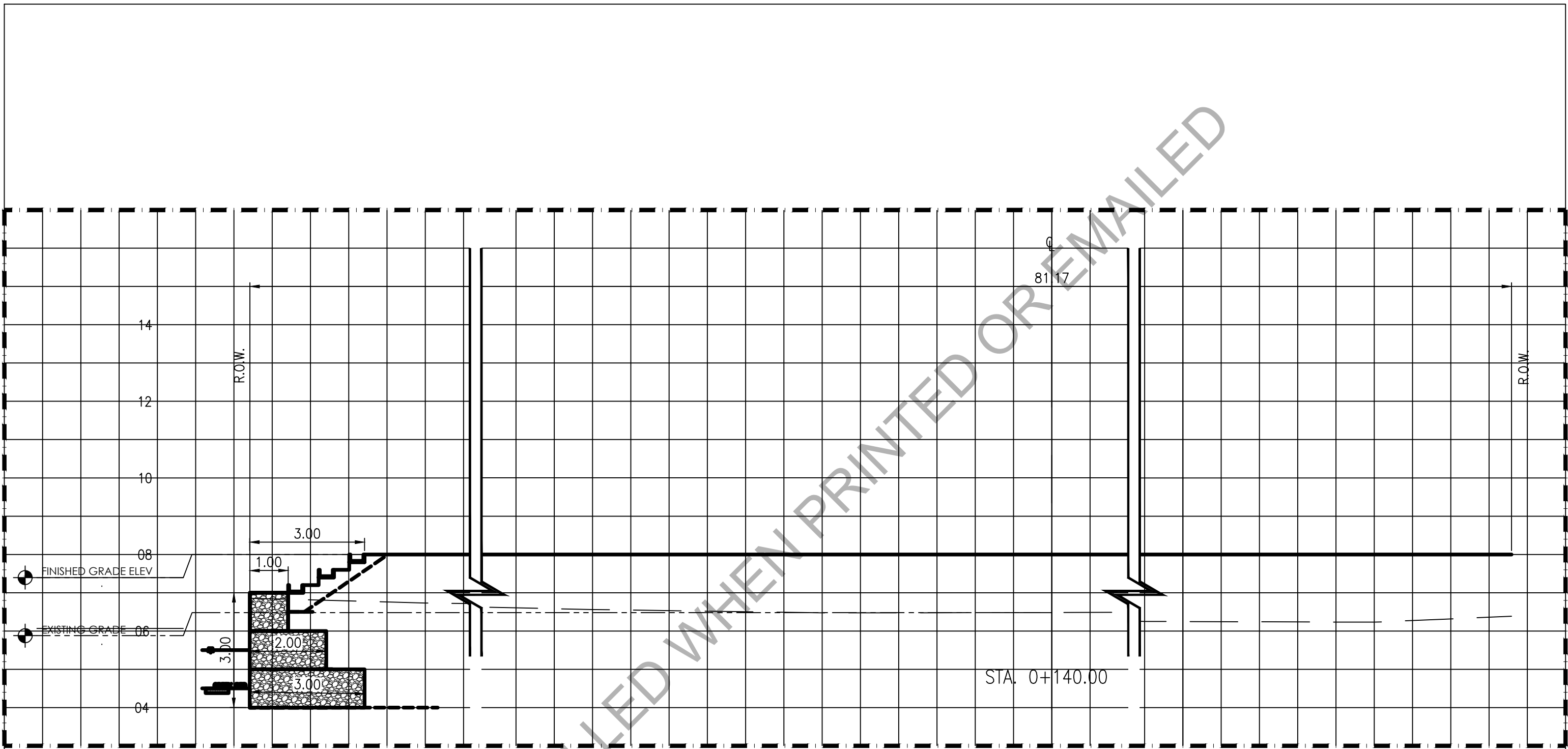


G

TYPICAL CROSS SECTION (@ 0+120.00)

SCALE 1:100

Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY : JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY : JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY : ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : TYPICAL CROSS SECTION DETAIL	SCALE : 1:1000	SHEET NO. A-6.6
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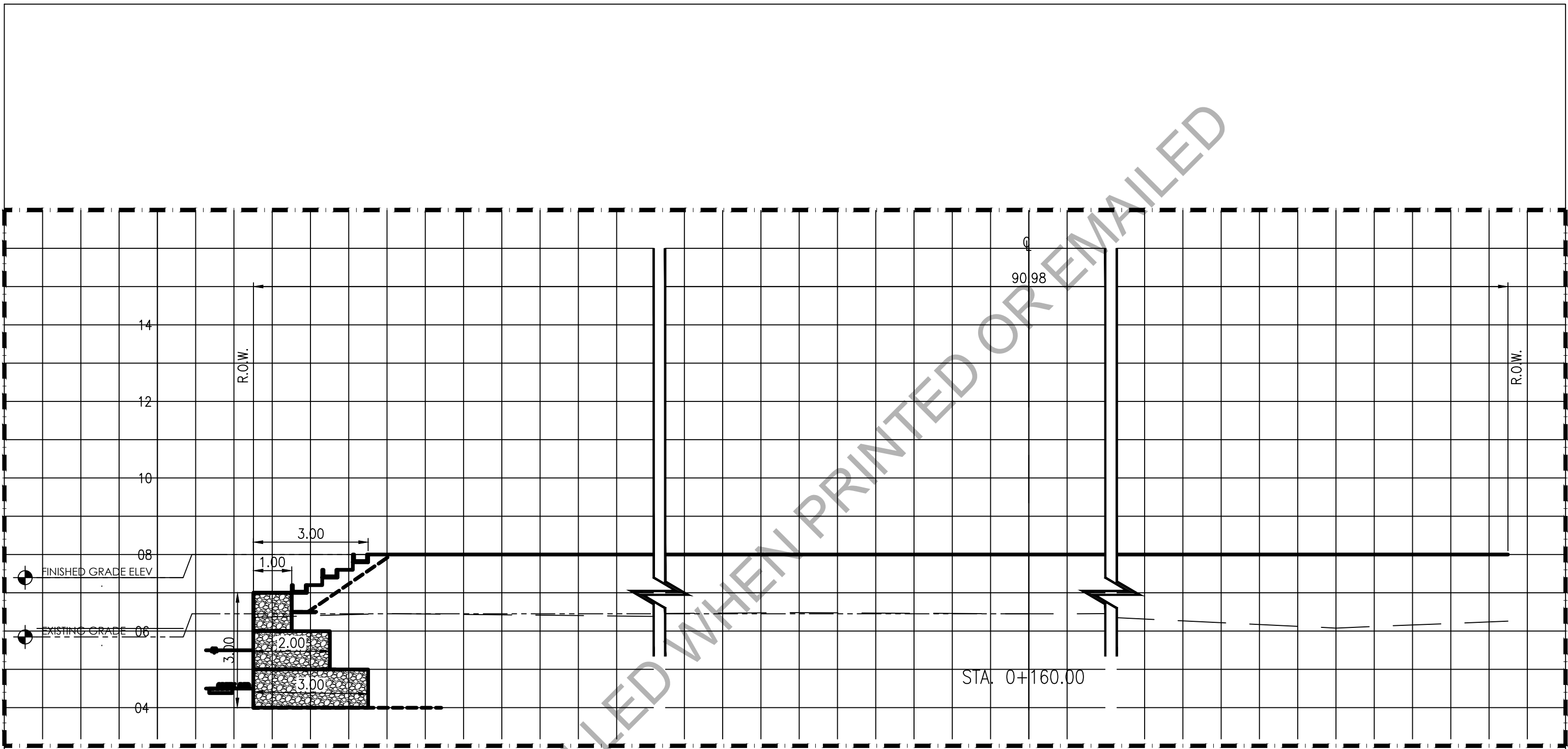


H

TYPICAL CROSS SECTION (@ 0+140.00)

SCALE 1:100

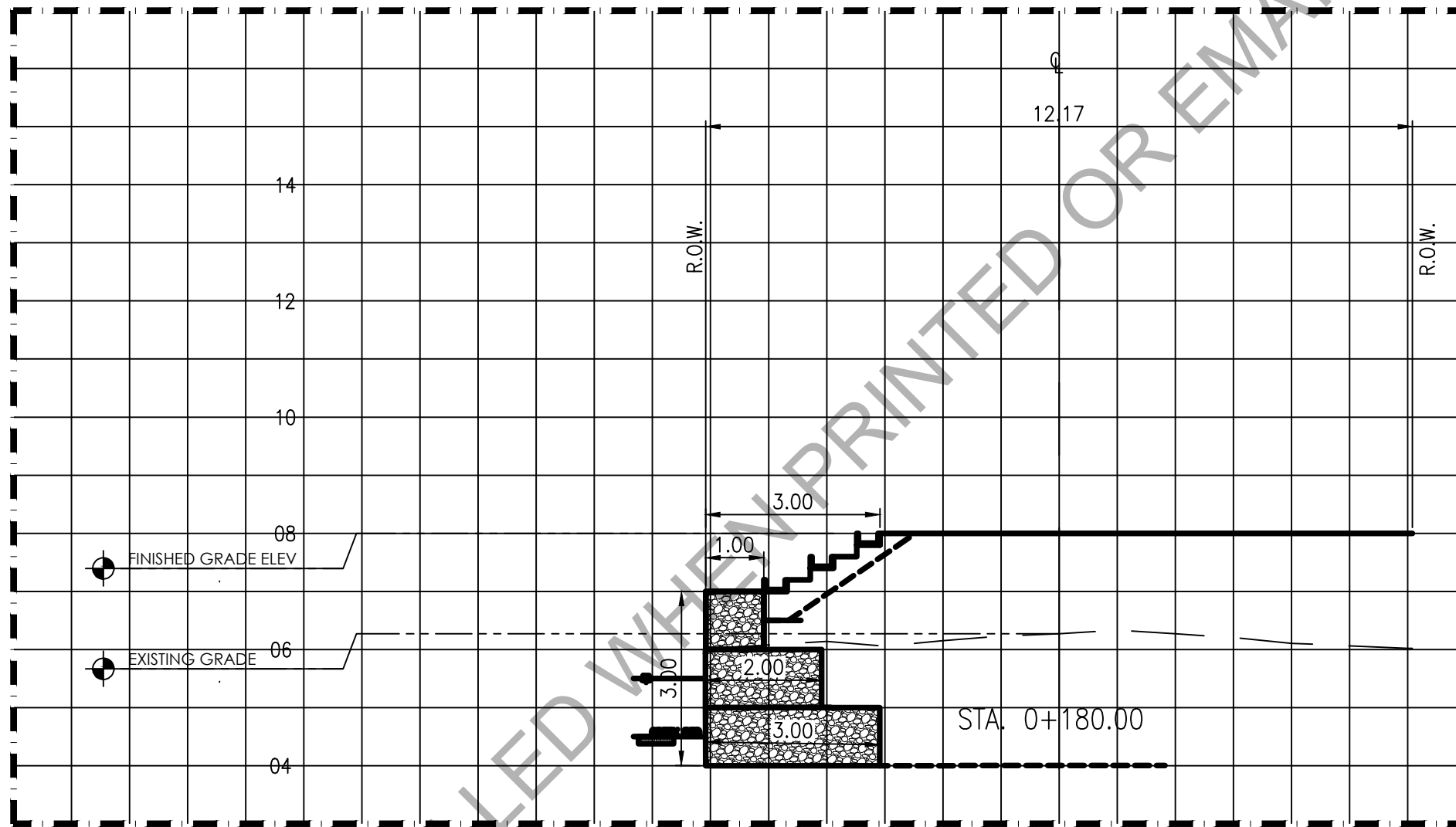
Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY : JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY : JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY : ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : TYPICAL CROSS SECTION DETAIL	SCALE : 1:1000	SHEET NO. A-6.7
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO.		



TYPICAL CROSS SECTION (@ 0+160.00)

SCALE 1:100

Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY : JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY : JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY : ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : TYPICAL CROSS SECTION DETAIL	SCALE : 1:1000	SHEET NO. A-6.8
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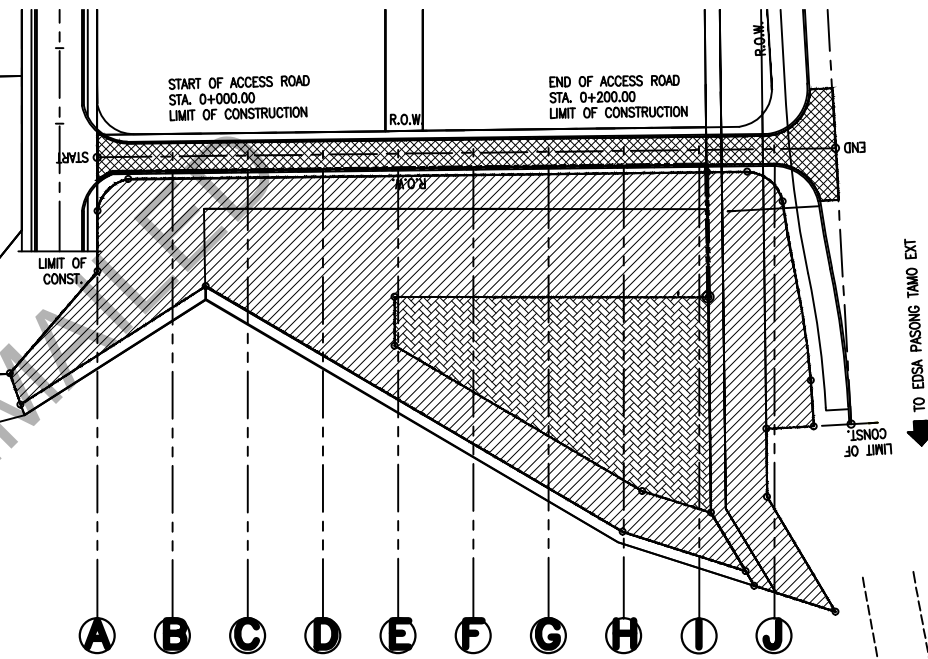
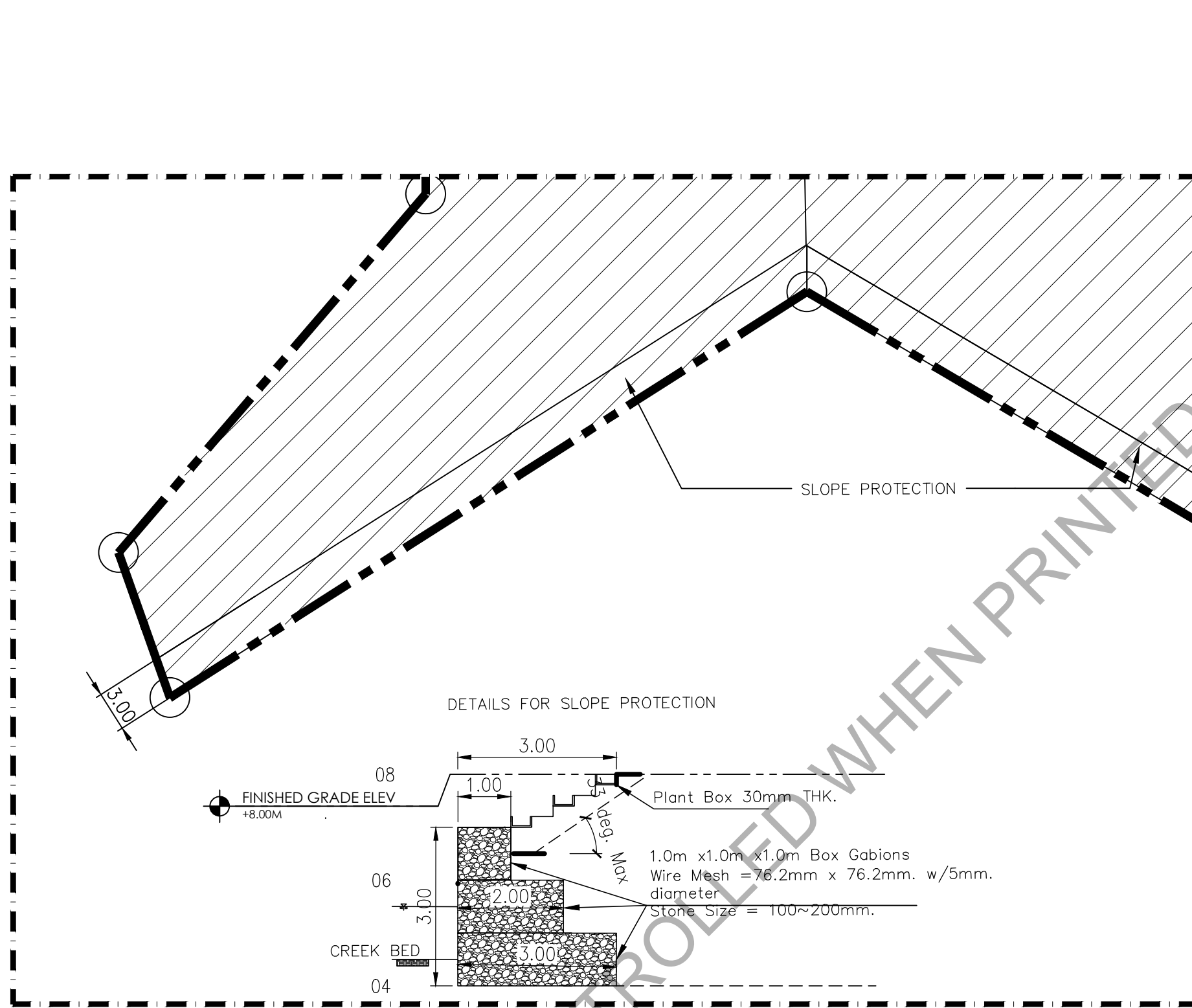
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TYPICAL CROSS SECTION (@ 0+180.00)

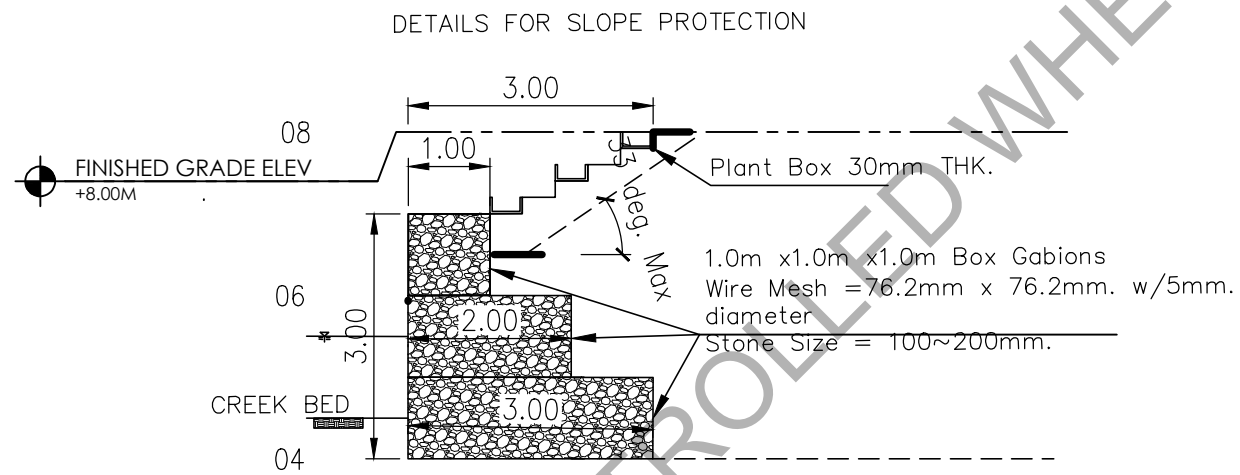
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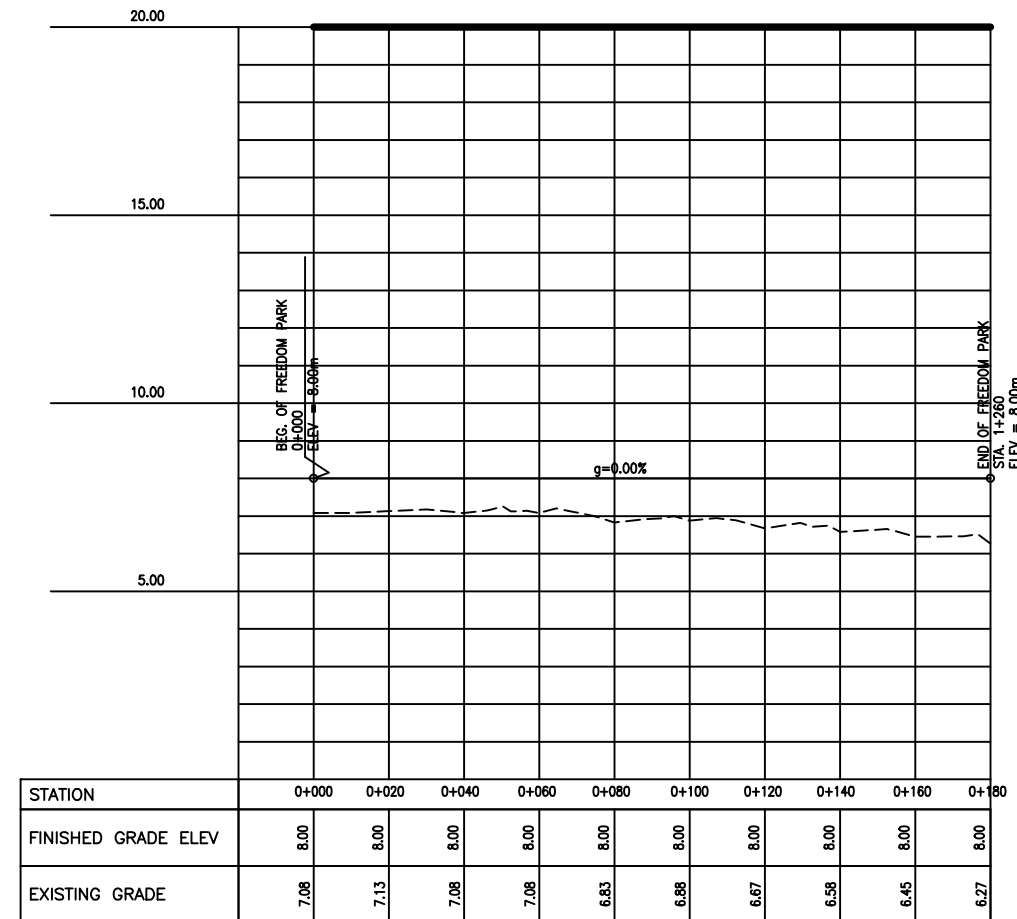
Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY : JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY : JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY : ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : TYPICAL CROSS SECTION DETAIL	SCALE : 1:1000	SHEET NO. A-6.9
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO.		



A PLAN AND PROFILE
SCALE 1:2000



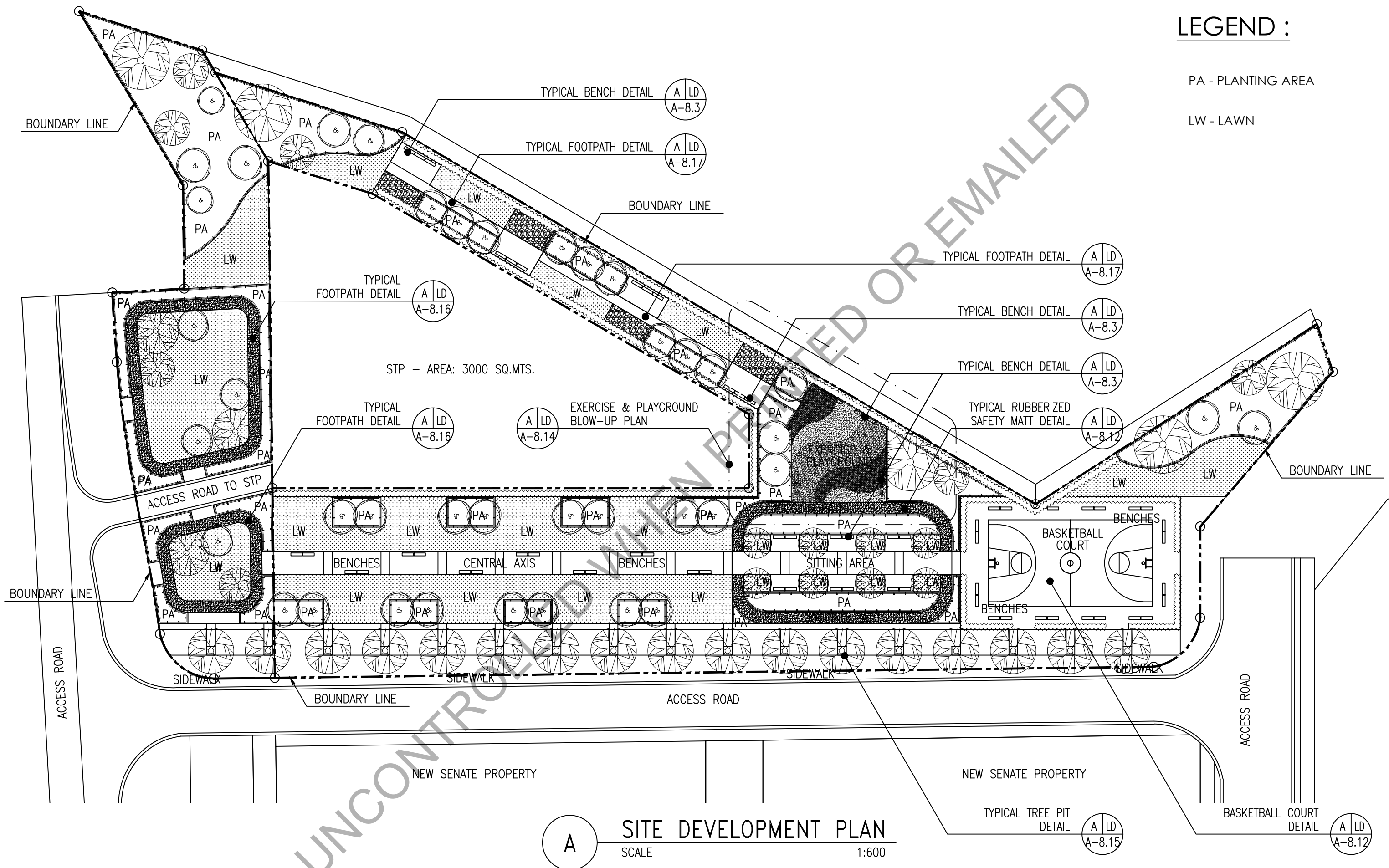
B SLOPE PROTECTION DETAIL
SCALE NTS



Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY :	PREPARED BY :	APPROVED AND REVIEWED BY :	PROJECT TITLE :	SHEET CONTENT :	SCALE :	SHEET NO. :
	JANSSEN GABRIEL S. LIM ENGINEER	JOHN V. PACETE ARCHITECT	ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"	PLAN AND PROFILE	AS SHOWN	A-7
DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY			REVISION NO. :	

LEGEND :

PA - PLANTING AREA
LW - LAWN

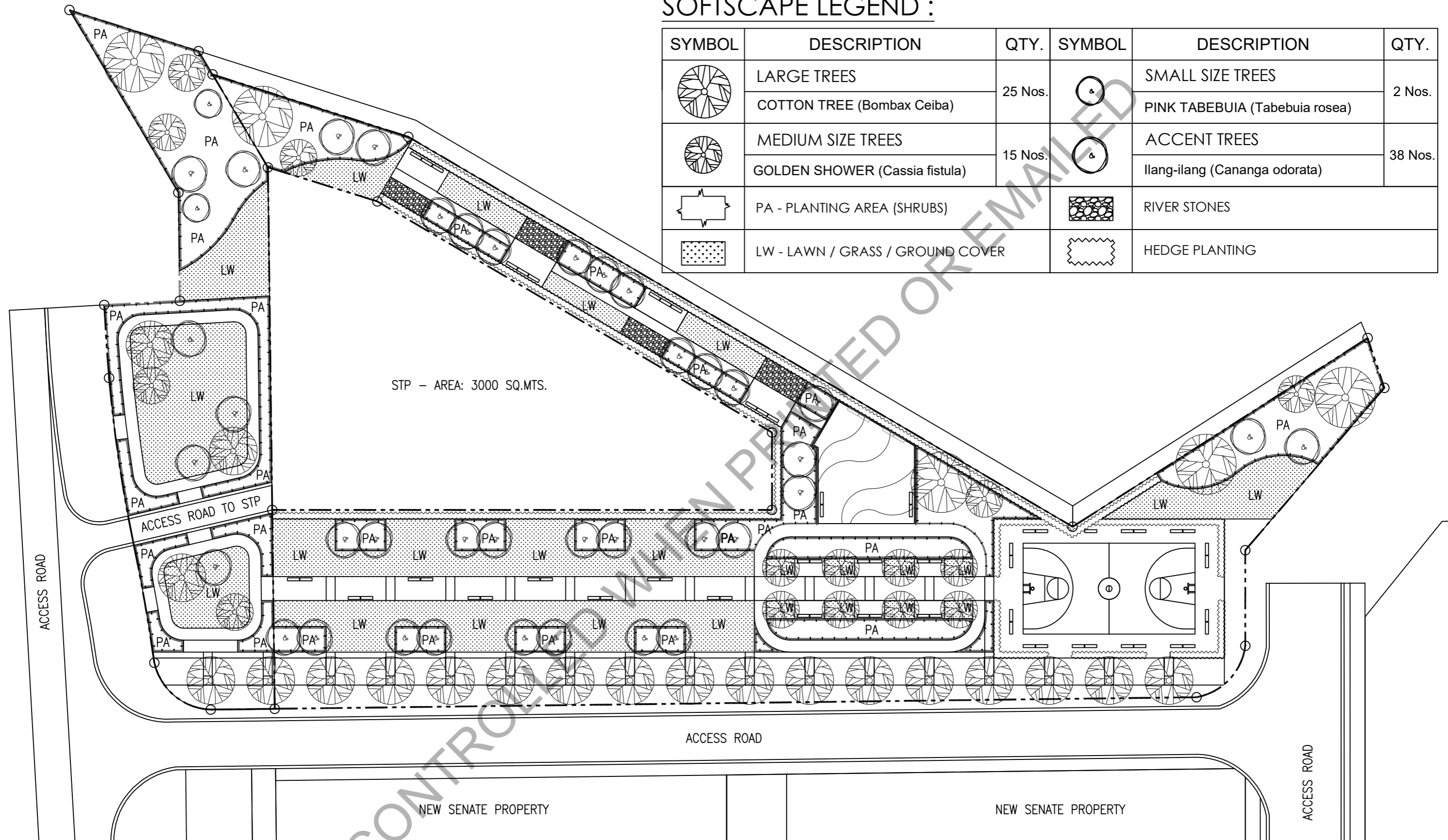


A SITE DEVELOPMENT PLAN
SCALE 1:600

	PREPARED BY : JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY : JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY : ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : SITE DEVELOPMENT PLAN		SCALE : 1:600	SHEET NO. A-8
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO.			

SOFTSCAPE LEGEND :

SYMBOL	DESCRIPTION	QTY.	SYMBOL	DESCRIPTION	QTY.
	LARGE TREES	25 Nos.		SMALL SIZE TREES	2 Nos.
	COTTON TREE (Bombax Ceiba)			PINK TABEBUIA (Tabebuia rosea)	
	MEDIUM SIZE TREES	15 Nos.		ACCENT TREES	38 Nos.
	GOLDEN SHOWER (Cassia fistula)			Ilang-ilang (Cananga odorata)	
	PA - PLANTING AREA (SHRUBS)			RIVER STONES	
	LW - LAWN / GRASS / GROUND COVER			HEDGE PLANTING	



A LANDSCAPE PLANTING PLAN
SCALE 1:600

NOTES:
USE NATIVE/ ENDEMIC SPECIES OF PLANTS AND TREES
APPROVED BY LANDSCAPE ARCHITECT.

<p>Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority</p>	PREPARED BY : JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY : JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY : ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : LANDSCAPE PLANTING PLAN	SCALE : 1:600	SHEET NO. A-8.1
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY		REVISION NO.	

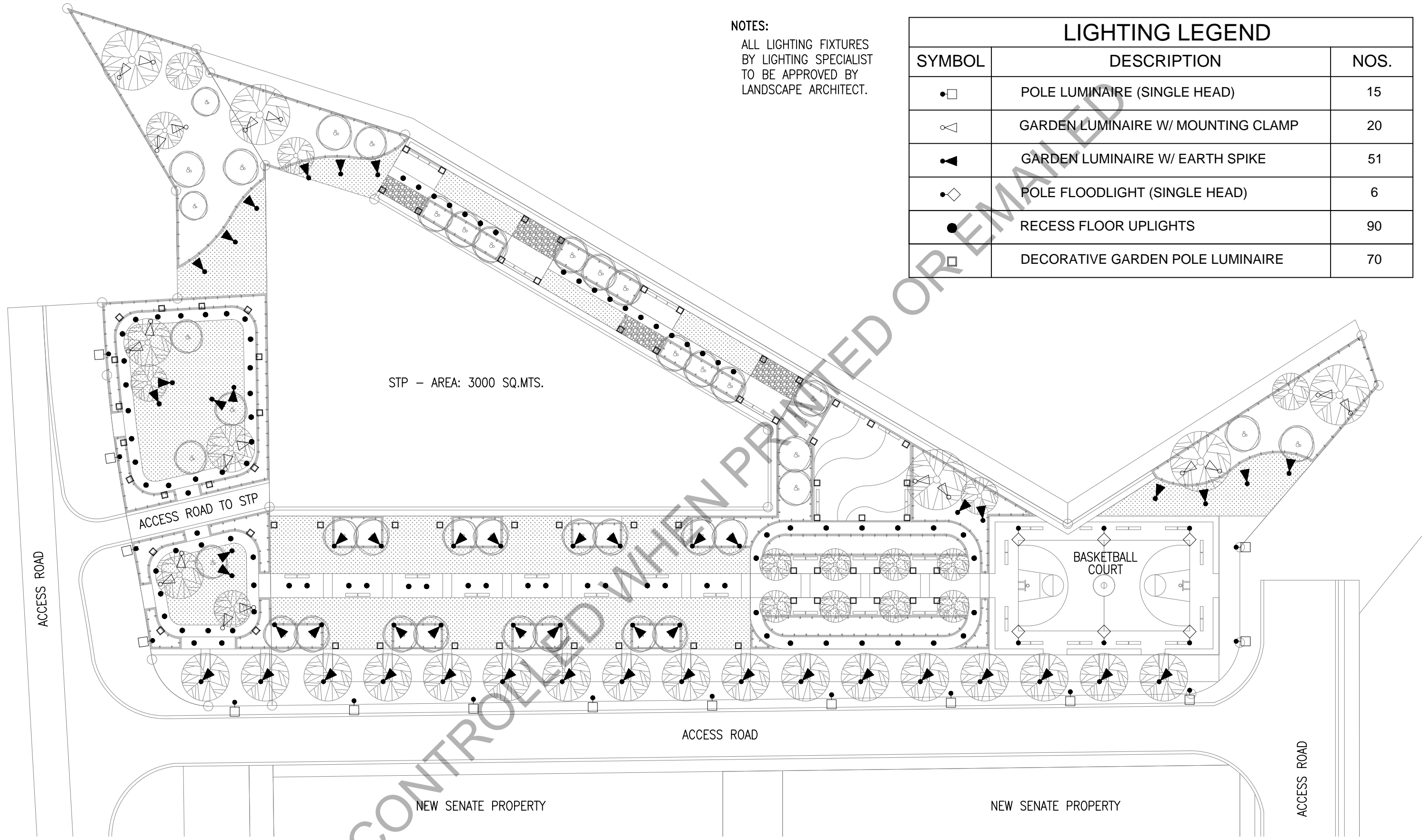
NOTES:

ALL LIGHTING FIXTURES
BY LIGHTING SPECIALIST
TO BE APPROVED BY
LANDSCAPE ARCHITECT.

LIGHTING LEGEND

SYMBOL	DESCRIPTION	NOS.
•□	POLE LUMINAIRE (SINGLE HEAD)	15
◁	GARDEN LUMINAIRE W/ MOUNTING CLAMP	20
▲	GARDEN LUMINAIRE W/ EARTH SPIKE	51
◊	POLE FLOODLIGHT (SINGLE HEAD)	6
●	RECESS FLOOR UPLIGHTS	90
◻	DECORATIVE GARDEN POLE LUMINAIRE	70

STP – AREA: 3000 SQ.MTS.



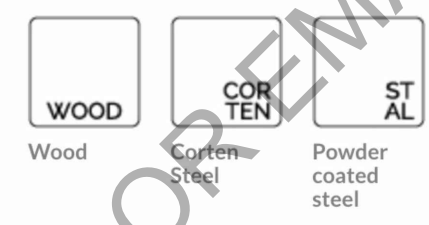
A LANDSCAPE LIGHTING PLAN
SCALE 1:600

	PREPARED BY:	PREPARED BY:	APPROVED AND REVIEWED BY:	PROJECT TITLE:	SHEET CONTENT:	SCALE:	SHEET NO.:
	 JANSSEN GABRIEL S. LIM ENGINEER	 JOHN V. PACETE ARCHITECT	 ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"	LANDSCAPE LIGHTING PLAN	1:600	A-8.2
DATE:	DATE:	DATE:	LOCATION: PASONG TAMO EXTENSION, TAGUIG CITY			REVISION NO.:	

NOTE:
Benches indicated are subject to availability and Landscape Architects recommendation.



FINISHINGS AND MATERIALS



Elements 2.4m benches with medium side-to-side timber slats and powder coated corten-effect plate ends

PRODUCT CODES & OUTLINE SPECIFICATIONS:

People	STANDARD		XL		Height mm
	Length mm	Width mm	Length mm	Width mm	
3 person	1830	510	1980	675	450
4 person	2430	510	2580	675	450

Please download and complete the Elements Enquiry form for your seating specification.

MATERIALS:

Create your own Elements seat and bench from the options below in four easy steps.

1. *Iroko timber slat size (width)*: small 40mm, medium 65mm or large 140mm
2. *Orientation of slats*: side to side or back to front
3. *Fascia boards*: timber, stainless steel 304 or 316 bright/satin polished, steel galvanised or powder coated
4. *Plate ends supports*: stainless steel 304 or 316 bright/satin polished, steel galvanised, corten steel or powder coated

INSTALLATION:

- All plate end seat supports are supplied pre-drilled for bolt-down installation with 2no. M10 or M12 fixings (not supplied)
- A taller plate can be supplied to allow for bolting down below the finished ground level if preferred



A TYPICAL BENCH DETAIL
SCALE NTS

<p>Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority</p>	PREPARED BY:	PREPARED BY:	APPROVED AND REVIEWED BY:	PROJECT TITLE:	SHEET CONTENT:	SCALE:	SHEET NO.
	 JANSEN GABRIEL S. LIM ENGINEER	 JOHN V. PACETE ARCHITECT	 ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"	TYPICAL BENCH DETAIL	NTS	A-8.3
DATE:	DATE:	DATE:	LOCATION: PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO.			

SYMBOL	DESCRIPTION	NOS.
•□	POLE LUMINAIRE (SINGLE HEAD)	15



LED pole-top luminaires
Asymmetrical or asymmetrical flat beam light distribution

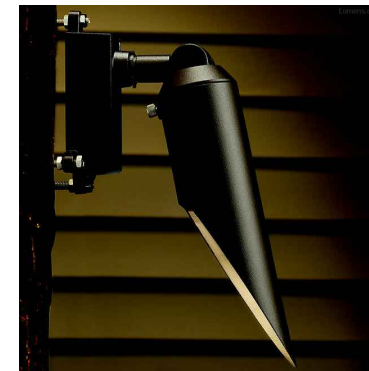
Luminaires in different sizes, light outputs and two light distributions:

- With asymmetrical light distribution for providing spatial illumination of surfaces, squares and parking spaces, or
- With asymmetrical flat beam light distribution for the illumination of driveways and streets

Using the adjustable attack angle of the luminaire housings, the light distribution can be adjusted exactly to the surface to be illuminated. Luminaires ready for installation, for single or double arrangements.

NOTE:
Lighting Fixtures indicated are subject to availability and Landscape Architects recommendation.

SYMBOL	DESCRIPTION	NOS.
◁	GARDEN LUMINAIRE W/ MOUNTING CLAMP	20



Long Cowl Mini-Accent Tree or Surface Light

To highlight the natural beauty and texture of trees within a landscape, the Kichler Long Cowl Mini-Accent Tree or Surface Light has an extra long cowl that allows for maximum light wash across a tree's surface. It is made out of durable die-cast aluminum and finished in a rich Textured Architectural Bronze. Part of the Kichler line of specialty landscape lighting.

NOTE:
Lighting Fixtures indicated are subject to availability and Landscape Architects recommendation.

SYMBOL	DESCRIPTION	NOS.
◁	GARDEN LUMINAIRE W/ EARTH SPIKE	51



ADJUSTABLE EXTERIOR LED SPIKE SPOT LIGHT
Black or Grey Finish

DESCRIPTION

A simply designed exterior spike light which is suitable for either modern or traditional gardens. Available in a black or grey powder coated finish.

The cylindrical spot head can be angled to allow you to position the light exactly where you want it (90-degree tilt and 330-degree rotation).

This fitting is small enough to create an impact but not too big to be cumbersome and out of place when unlit.

The 127mm ground spike allow you to easily place this fitting in soft ground areas without any hassle.

Complete with an 8.1 watt high-powered warm white LED, providing energy efficient light for 40,000 hours.

IP65 rated making the perfect choice for outdoor use, whether it be in your flower bed or to highlight a garden ornament.

NOTE:
Lighting Fixtures indicated are subject to availability and Landscape Architects recommendation.

SYMBOL	DESCRIPTION	NOS.
•◇	POLE FLOODLIGHT (SINGLE HEAD)	6



Court Light

Wattage 400 or 1000 metal halide bulbs
Head Options Single or Double Head Fixtures
Pole Size 3.5" x 3.5"
Height 17'
Pivoting base makes it easy to change light bulbs

NOTE:
Lighting Fixtures indicated are subject to availability and Landscape Architects recommendation.

	PREPARED BY :	PREPARED BY :	APPROVED AND REVIEWED BY :	PROJECT TITLE :	SHEET CONTENT :	SCALE :	SHEET NO.
	 JANSEN GABRIEL S. LIM ENGINEER	 JOHN V. PACETE ARCHITECT	 ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"	LANDSCAPE LIGHTING DETAILS	NTS	A-8.4
DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY			REVISION NO.	

SYMBOL	DESCRIPTION	NOS.
●	RECESS FLOOR UPLIGHTS	90

NOTE:
Lighting Fixtures indicated are subject to availability and Landscape Architects recommendation.



GU10 STAINLESS STEEL BEZEL GROUND LIGHT
Shallow Ground Light for GU10 Base Lamps

DESCRIPTION

This buried uplight is designed to operate with GU10 base mains lamps. We recommend using an energy-saving LED variation of this lamp, still mains operated but with more benefits such as long operating life, lower running costs and a choice of warm or daylight colour temperature.

Pre-wired with 1 metre of rubber cable to the terminal box, easy installation with loop out facility from 3 way terminal box.

Easy lamp change - use the Allen key supplied to unscrew the 3 screws which will give access to the lamp holder.

Designed for use with GU10 base mains lamps up to 50w.



SYMBOL	DESCRIPTION	NOS.
□	DECORATIVE GARDEN POLE LUMINAIRE	70

NOTE:
Lighting Fixtures indicated are subject to availability and Landscape Architects recommendation.



STYLISH MODERN LAMP-POST - COMMERCIAL OR DOMESTIC USE
White, Black or Aluminium

DESCRIPTION

The diffuser on this light is not etched but the light is refracted off a cylinder of aluminium expanded metal which looks very effective when lit.

Available in a matt white, matt black or aluminium. Provides a stylish method for illuminating the exterior of your property, particularly well when used in conjunction with the other lamps in this range.

Lamp holder accepts a single GU10 base mains lamp. We would recommend using a LED lamp.

If you are bolting this into concrete you will need to use expansion bolts, which you will either need to source, or contact us for advice.

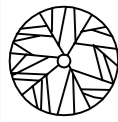
If you are *not* bolting this into concrete, a Concrete Free Foundation Sub-Base Fixture is available - see accessories below.

IP44 rated providing protection from water spray in every direction.

NOTE:
Lighting Fixtures indicated are subject to availability and Landscape Architects recommendation.

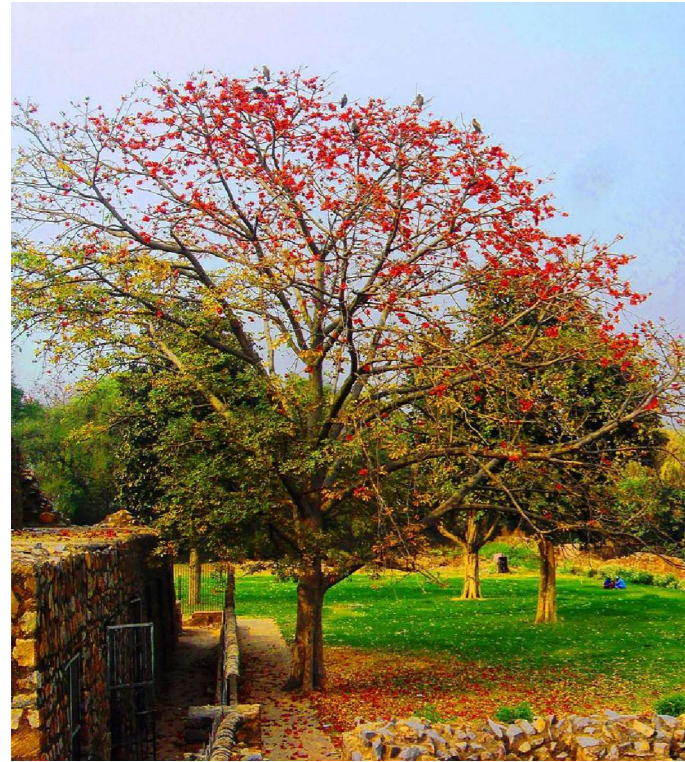
UNCONTROLLED WHEN PRINTED OR EMAILED

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	 JANSEN GABRIEL S. LIM ENGINEER	 JOHN V. PACETE ARCHITECT	 ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"	LANDSCAPE LIGHTING DETAILS	NTS	A-8.5
DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY			REVISION NO.	



LARGE TREES - 25 Nos.

COTTON TREE (Bombax Ceiba)



DESCRIPTION:
Bombax ceiba grows to an average of 20 meters, with old trees up to 60 meters in wet tropical regions. It has a straight tall trunk and its leaves are deciduous. Red flowers with 5 petals appear in the spring before the new foliage.

NOTE:
Trees indicated are subject to availability and Landscape Architects recommendation. 4" diameter at least on an average subject to the approval of BCDA (Height, Size, Species).



MEDIUM SIZE TREES - 15 Nos.

GOLDEN SHOWER (Cassia fistula)



DESCRIPTION:
The Golden Shower is an erect, medium-sized tree, which sheds its leaves every year. The tree is found all over the Philippines. Commonly used as an ornamental tree.

NOTE:
Trees indicated are subject to availability and Landscape Architects recommendation. 4" diameter at least on an average subject to the approval of BCDA (Height, Size, Species).



SMALL SIZE TREES - 2 Nos.

PINK TABEBUIA (Tabebuia rosea)



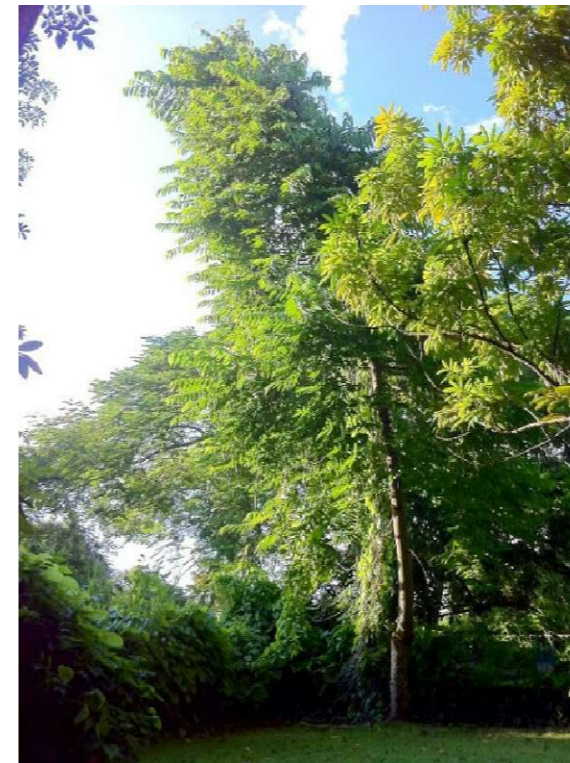
DESCRIPTION:
Tabebuia rosea is a small tree, also called pink poui, and rosy trumpet tree is a neotropical tree that can grow up to 5 meters in height.

NOTE:
Trees indicated are subject to availability and Landscape Architects recommendation. 4" diameter at least on an average subject to the approval of BCDA (Height, Size, Species).




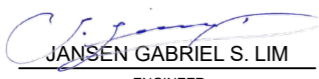

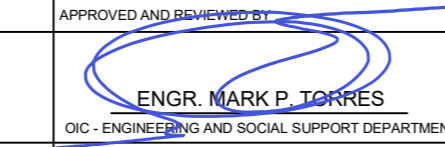
ACCENT TREES - 38 Nos.

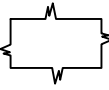
Ilang-ilang (Cananga odorata)



DESCRIPTION:
Ilang-ilang is a medium-sized tree growing 10 to 30 meters in height, with pendulous branches, with drooping, leafy twigs. Flowers are fragrant, axillary, in umbellate hanging clusters, with three sepals and six petals, twisted when young and drooping when mature.

NOTE:
Trees indicated are subject to availability and Landscape Architects recommendation. 4" diameter at least on an average subject to the approval of BCDA (Height, Size, Species).

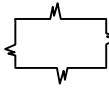
 <p>Republic of the Philippines Office of the President</p>	PREPARED BY :  JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY :  JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY :  ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : <p align="center">"STP, ACCESS ROAD AND FREEDOM PARK"</p>	SHEET CONTENT : PLANTING DETAILS	SCALE : NTS	SHEET NO. <p align="center">A-8.6</p>
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO.		

	PA - PLANTING AREA (SHRUBS)
	Eugenia (Eugenia)

NOTE:
Shrubs indicated are subject to availability and Landscape Architects recommendation.



DESCRIPTION:
Eugenia is a genus of flowering plants in the myrtle family Myrtaceae. It has a worldwide, although highly uneven, distribution in tropical and subtropical regions.

	PA - PLANTING AREA (SHRUBS)
	Hibiscus (Hibiscus)

NOTE:
Shrubs indicated are subject to availability and Landscape Architects recommendation.




DESCRIPTION:
Gumamela in the Philippines comes in a variety of color and this tropical beauty is a sight to behold for their large showy flowers. And it can definitely enhance the beauty of any landscape and butterflies, bees, and birds are attracted to it.

	PA - PLANTING AREA (SHRUBS)
	Bougainvillea (Bougainvillea)

NOTE:
Shrubs indicated are subject to availability and Landscape Architects recommendation.







DESCRIPTION:
The flowers are more than the leaves when it blooms during the summer months, Its trunk is big as fists and has thorns, flowers grow in a variety of colors. Requires little maintenance and is commonly seen along streets in the metro.

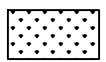
	PA - PLANTING AREA (SHRUBS)
	Pandacaqui (Tabernaemontana)

NOTE:
Shrubs indicated are subject to availability and Landscape Architects recommendation.



DESCRIPTION:
Crape jasmine or Pandacaqui in the Philippines. A stunning shrub that can reach up to 2 m. tall, branches grow parallel to the ground giving it a unique and attractive look. The flowers are waxy, sweet-smelling, and white with 5 petals which are abundant throughout the year. It easily propagates through sunlight and regular watering.

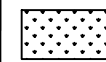
 Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY :	PREPARED BY :	APPROVED AND REVIEWED BY :	PROJECT TITLE :	SHEET CONTENT :	SCALE :	SHEET NO.
	 JANSEN GABRIEL S. LIM ENGINEER	 JOHN V. PACETE ARCHITECT	 ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"	PLANTING DETAILS	NTS	A-8.7
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY		REVISION NO.	

	LW - LAWN (GRASS / GROUND COVER)
	PEANUT PLUNT (Arachis pintoi)

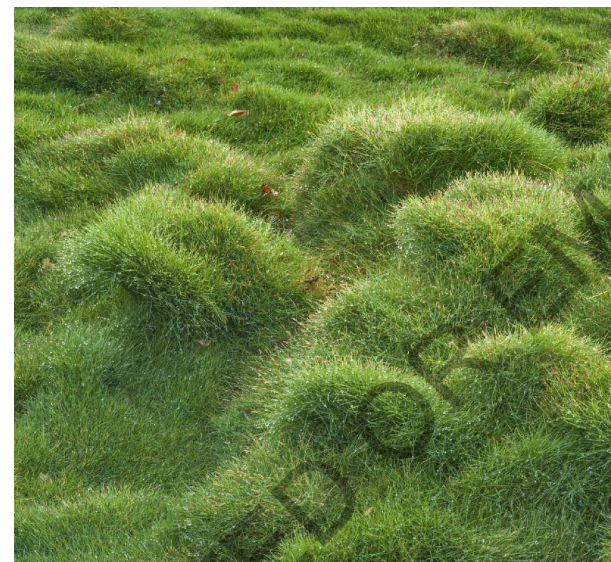
NOTE:
Ground Cover indicated are subject to availability and Landscape Architects recommendation.




DESCRIPTION:
This wild perennial relative of the groundnut or peanut, has been of increasing importance to pasture improvement in the tropics

	LW - LAWN (GRASS / GROUND COVER)
	MANILA LAWN GRASS (Zoysia Matrella)

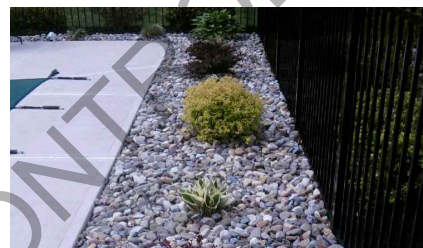
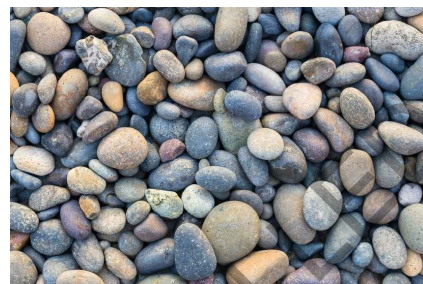
NOTE:
Ground Cover indicated are subject to availability and Landscape Architects recommendation.




DESCRIPTION:
commonly known as Manila grass, is a species of mat-forming, perennial grass native to temperate coastal southeastern Asia and northern Australasia.

	RIVERSTONES

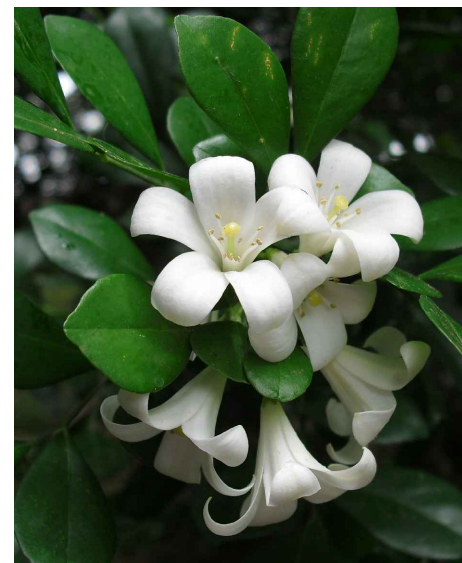
NOTE:
River Stones indicated are subject to availability and Landscape Architects recommendation.






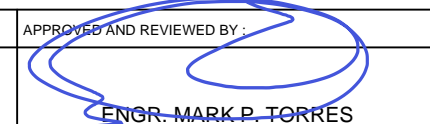
USE:
Multi-colored river stones, from 50 up to 100 mm diameter loosely laid on site. Check commercial availability to be approved by Landscape Architect.

	HEDGE PLANTING
	KAMUNING (Murraya paniculata)







NOTE:
Shrubs indicated are subject to availability and Landscape Architects recommendation.

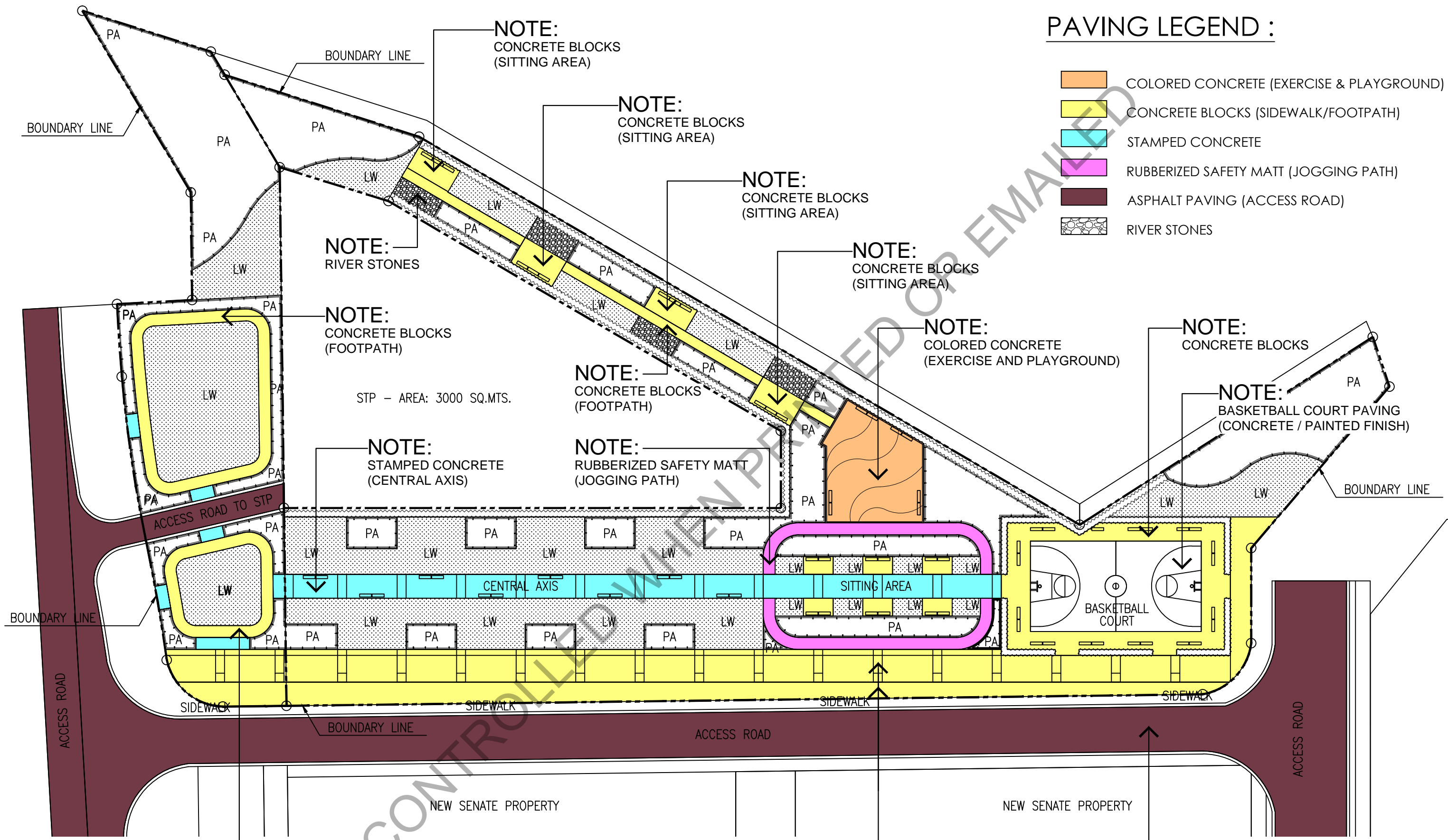


DESCRIPTION:
Kamuning is often grown as a hedge and it is widely planted in tropics and subtropics as an ornamental. It is commonly found in thickets and secondary forest throughout the Philippines.

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	 JANSEN GABRIEL S. LIM ENGINEER	 JOHN V. PACETE ARCHITECT	 ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"	PLANTING DETAILS	NTS	A-8.8
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY			REVISION NO.

PAVING LEGEND :

-  COLORED CONCRETE (EXERCISE & PLAYGROUND)
-  CONCRETE BLOCKS (SIDEWALK/FOOTPATH)
-  STAMPED CONCRETE
-  RUBBERIZED SAFETY MATT (JOGGING PATH)
-  ASPHALT PAVING (ACCESS ROAD)
-  RIVER STONES









NOTE:
CONCRETE BLOCKS
(FOOTPATH)

A PAVING PLAN
SCALE 1:600

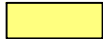
NOTE:
CONCRETE BLOCKS
(SIDEWALK)

NOTE:
ASPHALT PAVING
(ACCESS ROAD)

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	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO.			

LEGEND	DESCRIPTION
	COLORED CONCRETE (EXERCISE & PLAYGROUND)



LEGEND	DESCRIPTION
	CONCRETE BLOCKS (SIDEWALK/FOOTPATH)



LEGEND	DESCRIPTION
	STAMPED CONCRETE




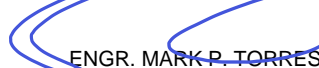


LEGEND	DESCRIPTION
	RUBBERIZED SAFETY MATT (JOGGING PATH)



LEGEND	DESCRIPTION
	ASPHALT PAVING (ACCESS ROAD)



 Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY :  JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY :  JOHN V. RACETE ARCHITECT	APPROVED AND REVIEWED BY :  ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : PAVING REFERENCE IMAGES	SCALE : NTS A-8.10	SHEET NO.
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO.		

EPDM SAFETY SURFACING FOR PLAYGROUNDS AND PLAY SPACES

THE UNIQUE INNOVATIVE TECHNOLOGY AND UNDENIABLE PRACTICALITY OF EPDM RUBBER GRANULES OPEN UP A WORLD OF DESIGN POSSIBILITY FOR PLAYGROUNDS AND PLAY SPACES.

EPDM Playground Surfacing. A poured-in-place, joint-free, porous material made from rubber granules and polyurethane binders uniquely designed to minimize injuries due to a fall. In accordance with European (EN) and US (ASTM) Standards, various thicknesses have been tested and awarded critical fall height ratings up to 10 feet (3 meters) – the maximum permitted falling height for modern play equipment. EPDM Playground Surfacing is our most cost-effective, all-weather safety surface for nearly anywhere aesthetics, comfort, and slip resistance are desired. Water drains rapidly through its coarse base layer to prevent freezing in the winter, making it a great choice for outdoor athletic tracks, walking paths, and patios. With its immense strength and durability, we can install EPDM Playground Surfacing directly on a crushed stone foundation. Compared to safety surfaces that require a separate substructure, this offers you a significant cost savings.

With additional options available such as EPDM Interactive Playground Surface and EPDM Play Surface with Recycled Materials, we have something to fit the community park, as well as the indoor sports athletic facility. Our team of designers and installers travel nationally and internationally to install safety surfacing where you live, where you rest, and where you play. Disney, Holiday Inn, Cedar Fair, and Great Wolf Lodge are a few of the companies that have chosen us for their safety surface needs.



- 01. RED
- 02. Green
- 03. Light Green
- 04. Blue
- 05. Light Blue
- 06. Orange
- 07. Yellow
- 08. Golden Yellow
- 09. Brown
- 10. Light Brown
- 11. Grey
- 12. Light grey
- 13. Eggshell
- 14. Pink
- 15. Purple
- 16. White
- 17. Green Grass
- 18. Navy Blue
- 19. Red Rose

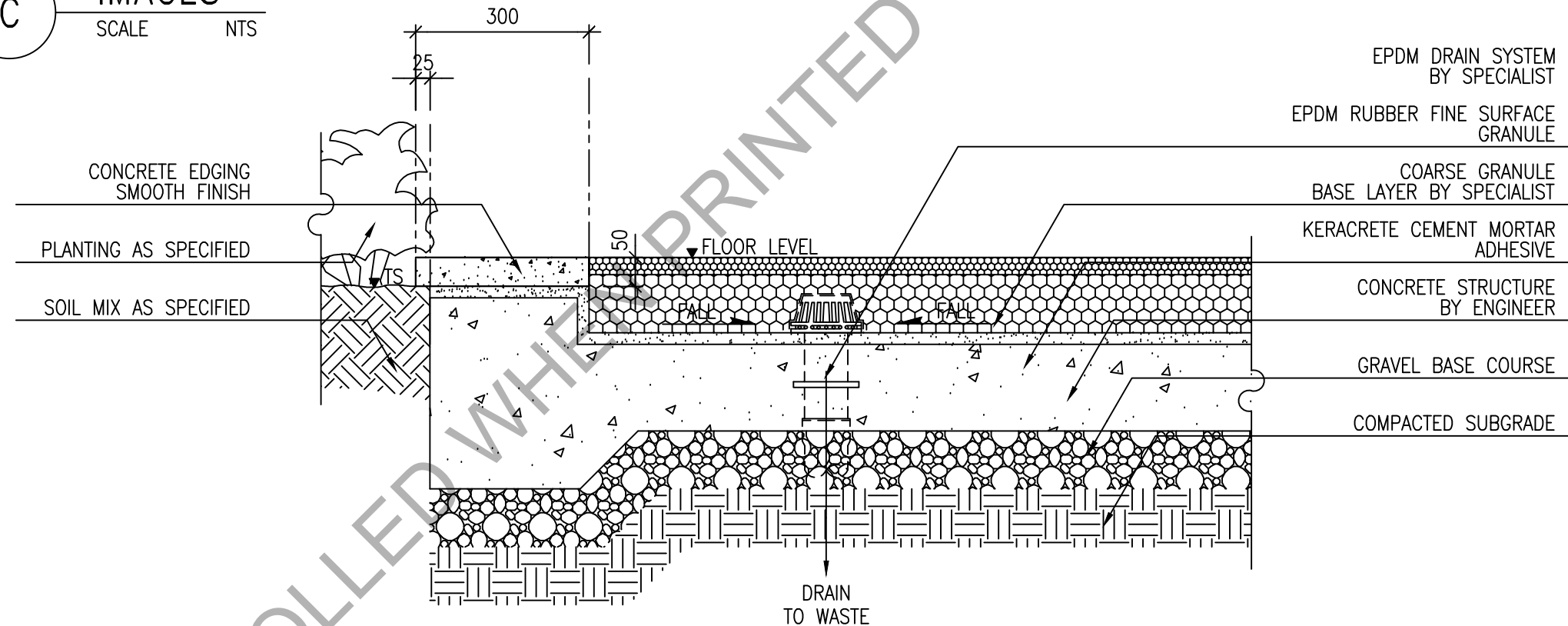
EPDM Color Chart

EPDM COLOR CHART (JOGGING PATH)



EPDM RUBBERIZED SAFETY MAT FOR JOGGING PATH

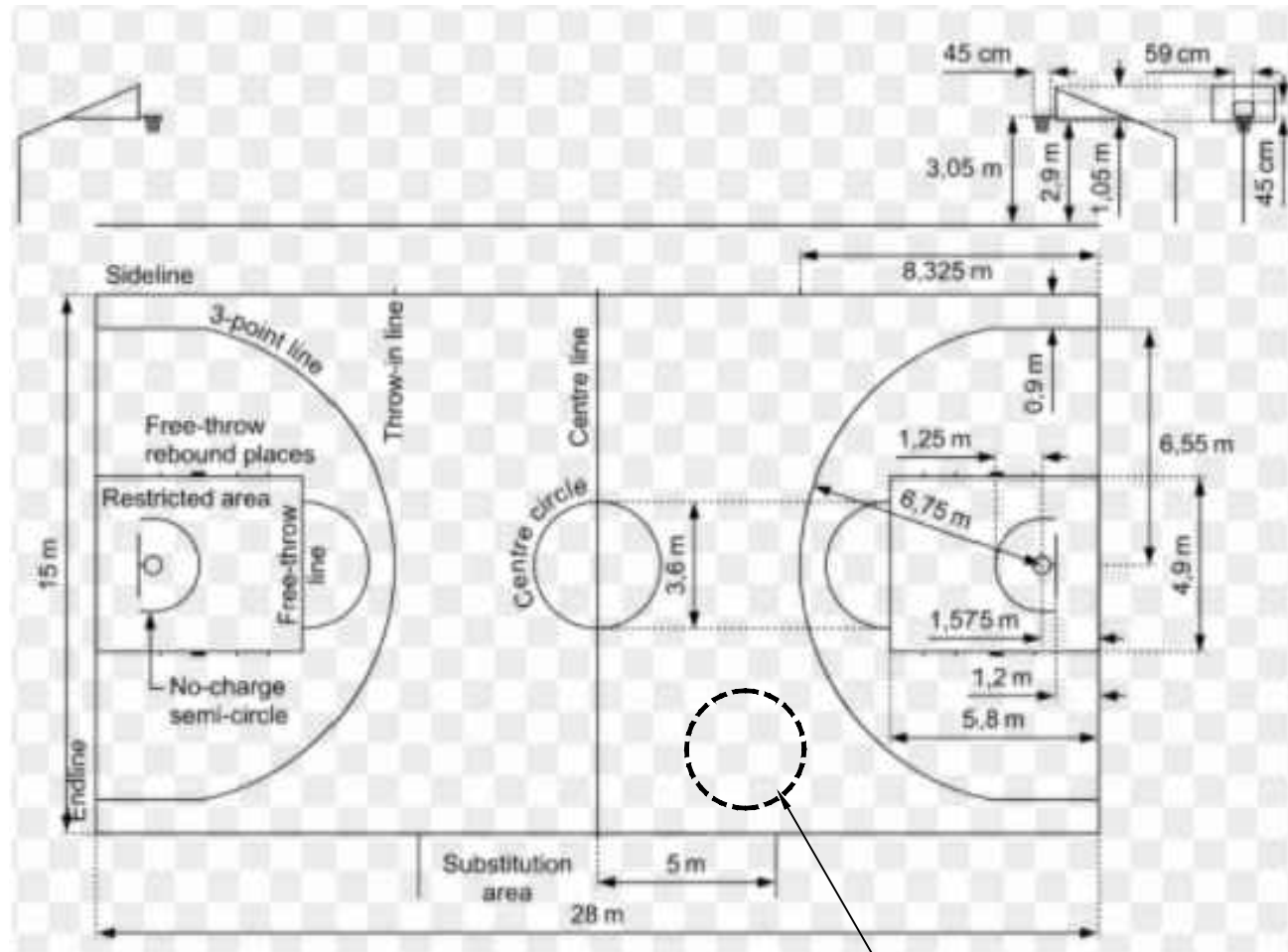
C IMAGES
SCALE NTS



B SECTION
SCALE 1:10

A TYPICAL RUBBERIZED SAFETY MATT DETAIL
SCALE AS SHOWN

	PREPARED BY :	PREPARED BY :	APPROVED AND REVIEWED BY :	PROJECT TITLE :	SHEET CONTENT :	SCALE :	SHEET NO. :
	 JANSSEN GABRIEL S. LIM ENGINEER	 JOHN V. PACETE ARCHITECT	 ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"	TYPICAL RUBBERIZED SAFETY MATT DETAIL	AS SHOWN	A-8.11
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY		REVISION NO. :	



B PLAN
SCALE NTS

150 MM THK SLAB
10 MM DIAM. REINFORCED BARS
@ 250 SPACING O.C. BOTH WAYS



C IMAGE
SCALE NTS

NOTE:
BASKETBALL COURT PAVING
(CONCRETE / PAINTED FINISH)

BASKETBALL COURT AND BALL DIMENSIONS								
COURT			BASKETBALL					
TYPE	L (FT)	W (FT)	TP (FT-IN.)	TYPE	MAX. DIAMETER (IN.)	MIN. DIAMETER (IN.)	MAX. WEIGHT (OZ)	MIN. WEIGHT (OZ)
NBA	94	50	23-9 R	NBA	30	29.5	22	20
International	94	50	20-61 R	International	30	29.5	22	20
NCAA (men)	94	50	13-6 R	NCAA (men)	30	29.5	22	20
WNBA, NCAA (women)	94	50	15-0 R	WNBA, NCAA (women)	29	28.5	20	18
High school (men)	94	50	15-9 R	High school (men)	30	29.5	22	20
High school (women)	84	50	15-9 R	High school (women)	29	28.5	20	18

L-length W-width TP-three point line

BASKETBALL COURTS

NOTE:
Basketball court should be of standard dimensions and materials. Subject to specialists recommendation, to be approved by BCDA.

A BASKETBALL COURT DETAIL
SCALE AS SHOWN

Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY:	PREPARED BY:	APPROVED AND REVIEWED BY:	PROJECT TITLE:	SHEET CONTENT:	SCALE:	SHEET NO.:
	 JANSEN GABRIEL S. LIM ENGINEER	 JOHN V. PACETE ARCHITECT	 ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"	BASKETBALL COURT DETAIL	NTS	A-8.12
DATE:	DATE:	DATE:	LOCATION: PASONG TAMO EXTENSION, TAGUIG CITY			REVISION NO.:	

LEGEND :

 BENCHES



NOTE:
Benches indicated are
subject to availability and
Landscape Architects
recommendation.

NOTE:
BENCHES

NOTE:
BENCHES




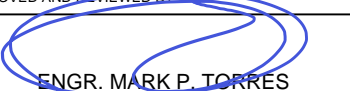

NOTE:
BENCHES

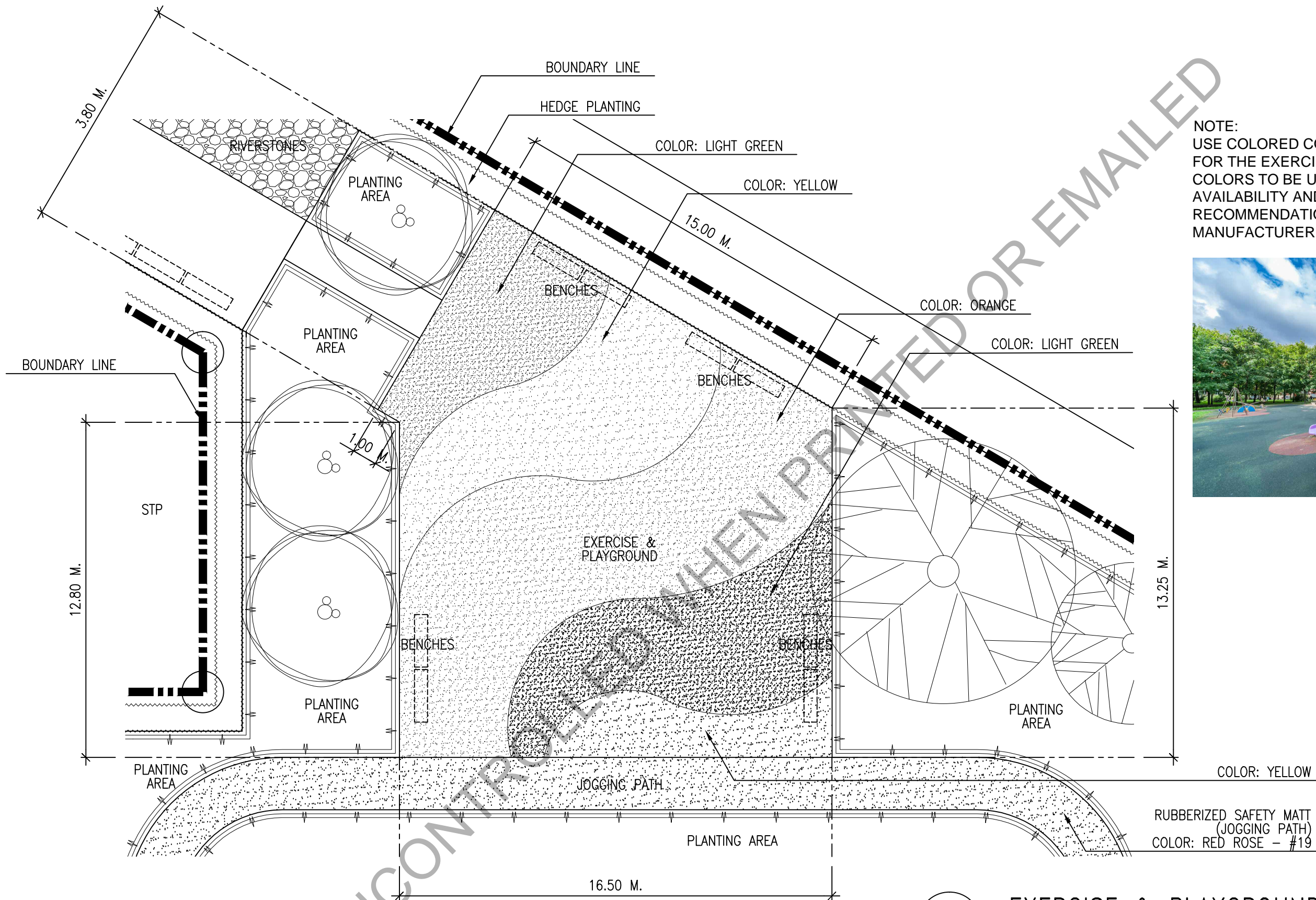
NOTE:
BENCHES

NOTE:
BENCHES

A BENCH KEY PLAN
SCALE 1:600

UNCONTROLLED WHEN PRINTED OR EMAILED

 Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY :  JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY :  JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY :  ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : BENCH KEY PLAN		SCALE : AS SHOWN A-8.13	SHEET NO.
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO.			

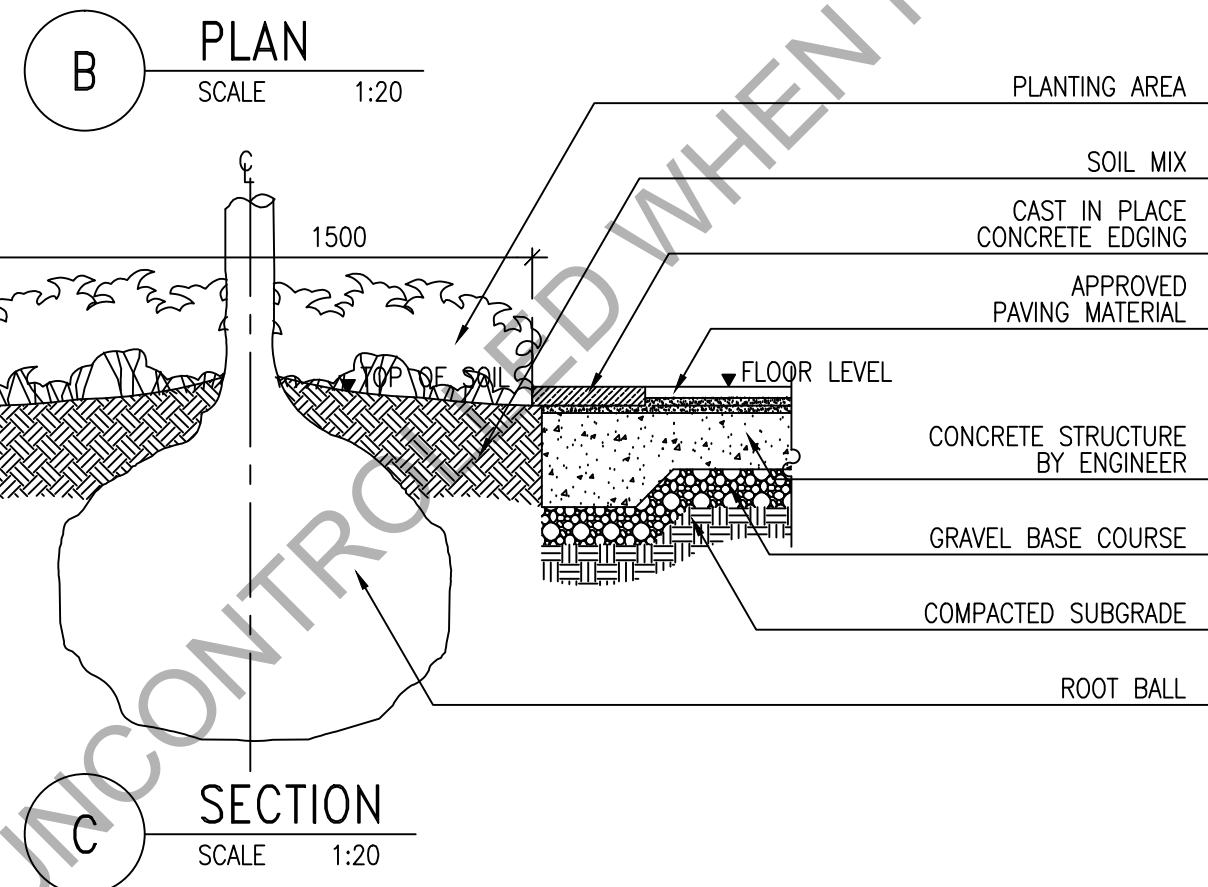
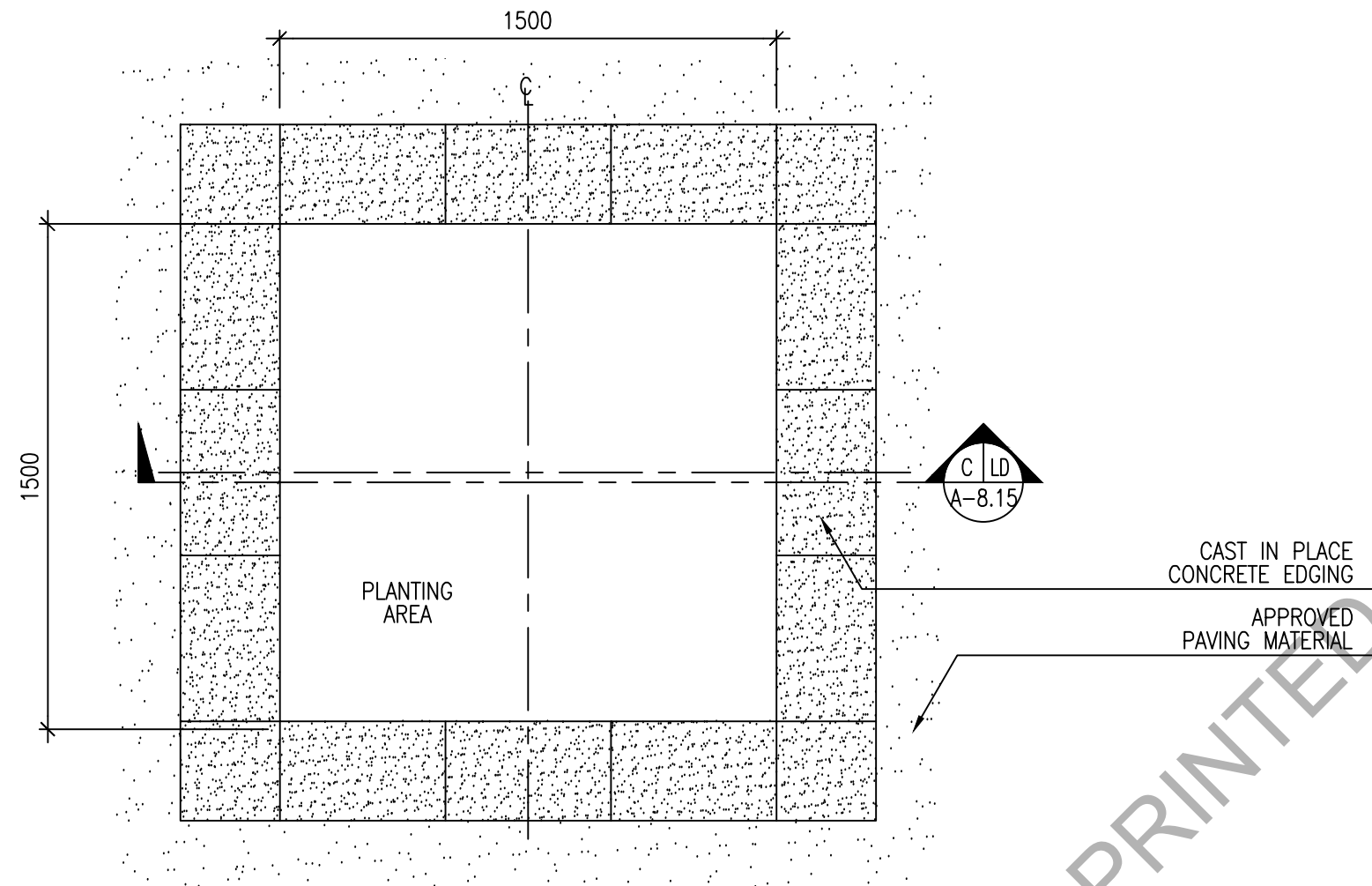


NOTE:
 USE COLORED CONCRETE PAVEMENT
 FOR THE EXERCISE AND PLAYGROUND AREA.
 COLORS TO BE USED ARE SUBJECT TO
 AVAILABILITY AND LANDSCAPE ARCHITECTS
 RECOMMENDATION. REFER TO
 MANUFACTURER'S DETAILS & SPECIFICATIONS.



A EXERCISE & PLAYGROUND BLOW-UP PLAN
 SCALE 1:150

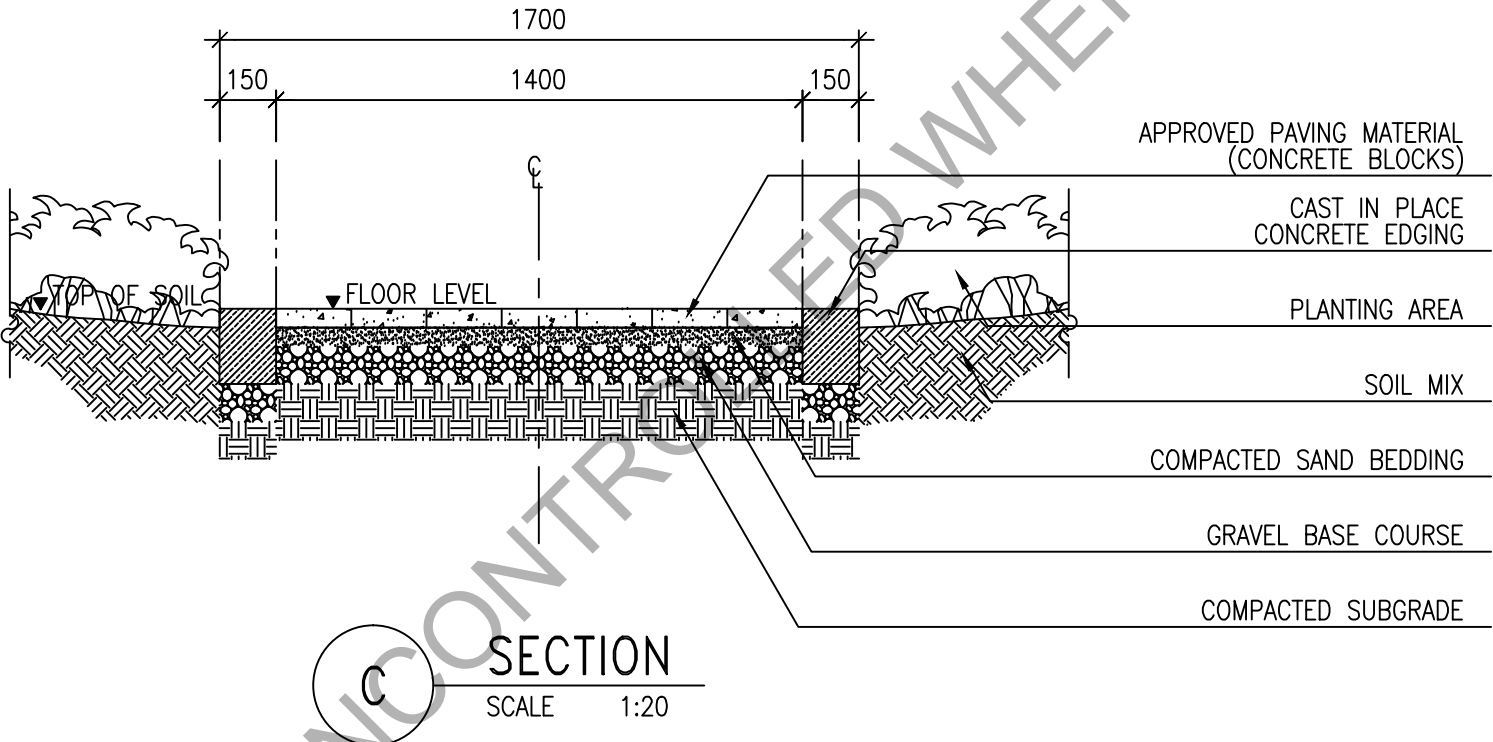
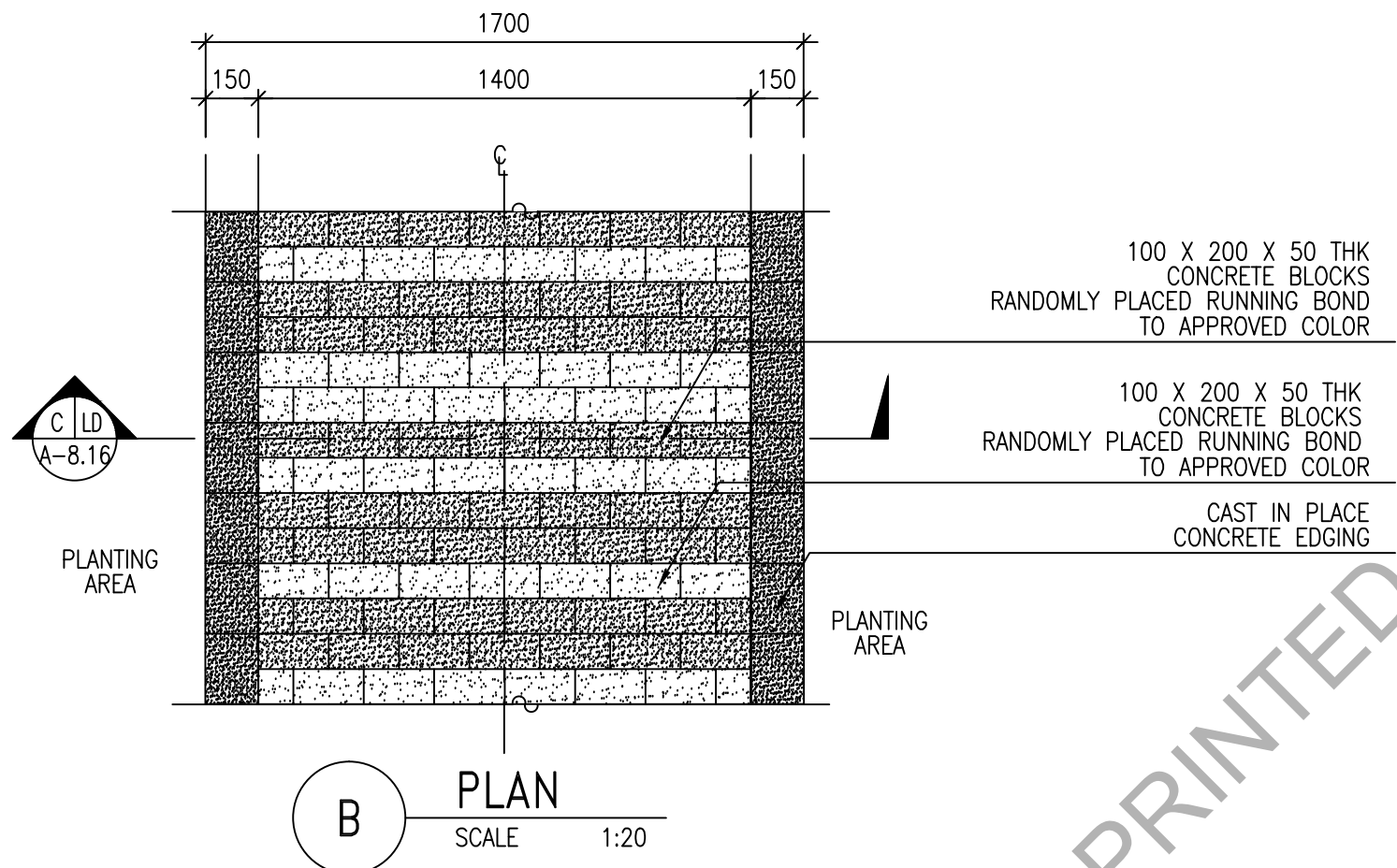
	PREPARED BY:	PREPARED BY:	APPROVED AND REVIEWED BY:	PROJECT TITLE:	SHEET CONTENT:	SCALE:	SHEET NO.:	
	 JANSEN GABRIEL S. LIM ENGINEER	 JOHN V. PACETE ARCHITECT	 ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"	EXERCISE & PLAYGROUND BLOW-UP PLAN		AS SHOWN	A-8.14
	DATE:	DATE:	DATE:	LOCATION: PASONG TAMO EXTENSION, TAGUIG CITY			REVISION NO.:	



D IMAGES
SCALE NTS

A TYPICAL TREE PIT DETAIL
SCALE AS SHOWN

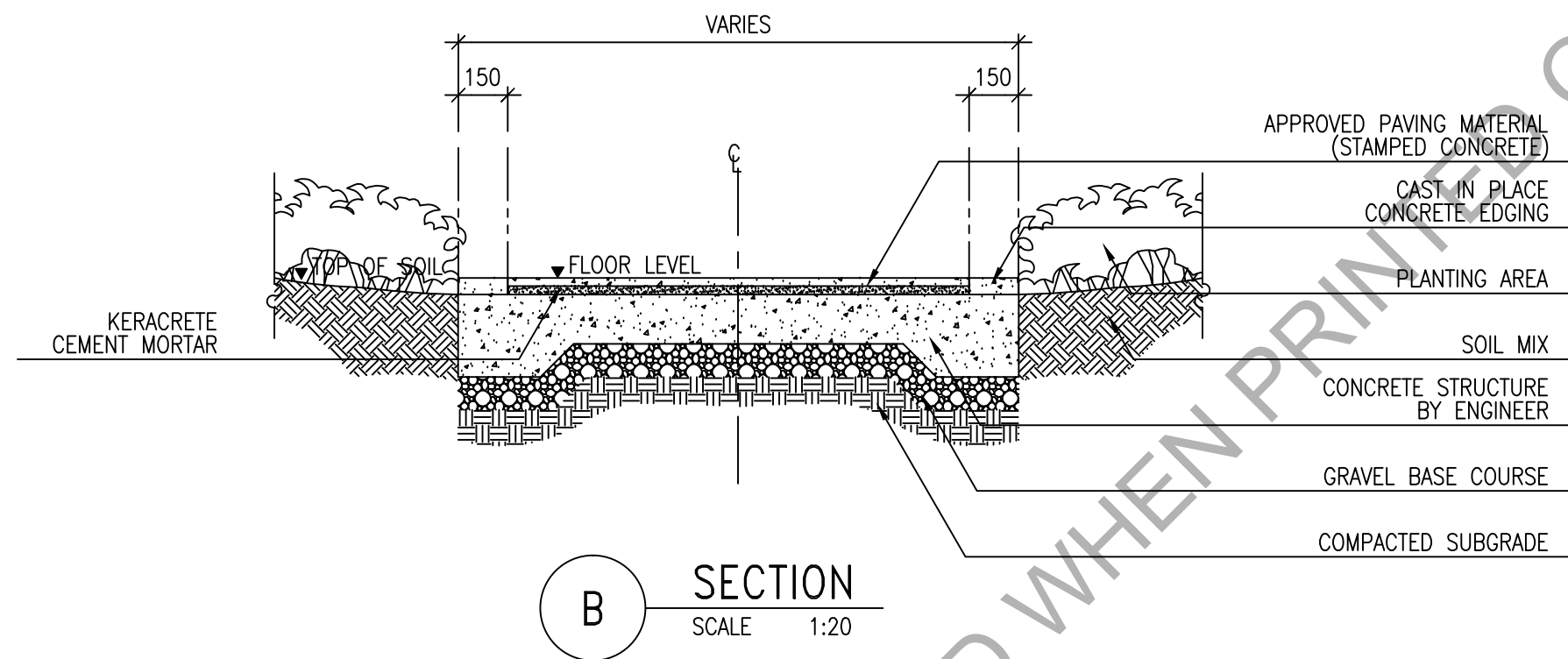
	PREPARED BY :	PREPARED BY :	APPROVED AND REVIEWED BY :	PROJECT TITLE :	SHEET CONTENT :	SCALE :	SHEET NO. :
	 JANSEN GABRIEL S. LIM ENGINEER	 JOHN V. PACETE ARCHITECT	 ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"	TYPICAL TREE PIT DETAIL	AS SHOWN	A-8.15
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY			REVISION NO. :



D IMAGES
SCALE NTS

A TYPICAL FOOTPATH DETAIL
SCALE AS SHOWN

Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY :	PREPARED BY :	APPROVED AND REVIEWED BY :	PROJECT TITLE :	SHEET CONTENT :	SCALE :	SHEET NO. :
	 JANSEN GABRIEL S. LIM ENGINEER	 JOHN V. PACETE ARCHITECT	 ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"	TYPICAL FOOTPATH DETAIL	AS SHOWN	A-8.16
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY			REVISION NO. :

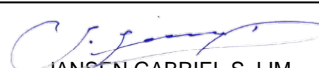

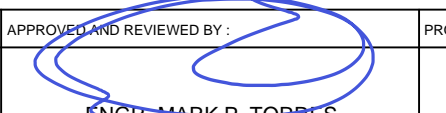


B SECTION
SCALE 1:20

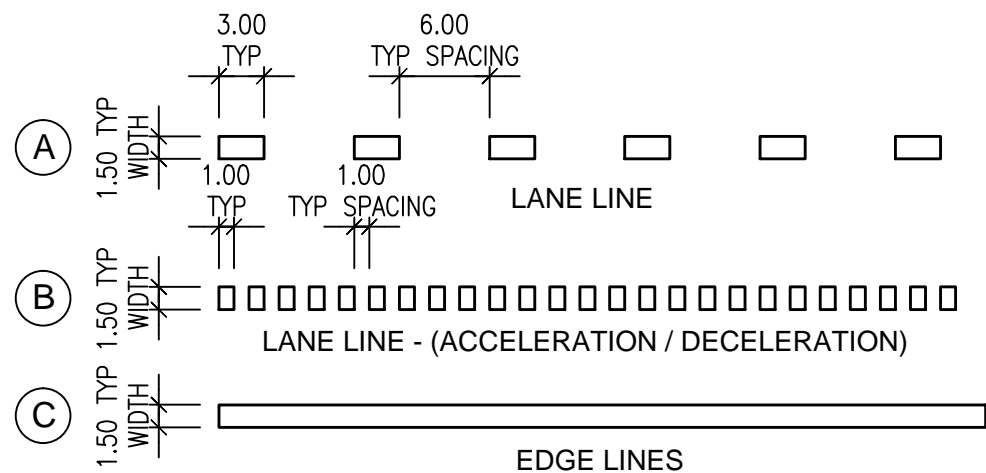


C IMAGES
SCALE NTS

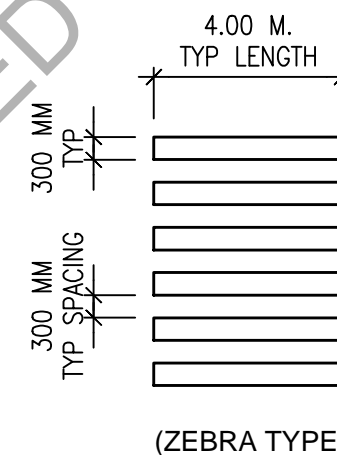
A TYPICAL STAMPED CONCRETE DETAIL
SCALE AS SHOWN

Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY :  JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY :  JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY :  ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : TYPICAL STAMPED CONCRETE DETAIL	SCALE : AS SHOWN	SHEET NO. A-8.17
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY			REVISION NO.

UNCONTROLLED WHEN PRINTED OR EMAILED

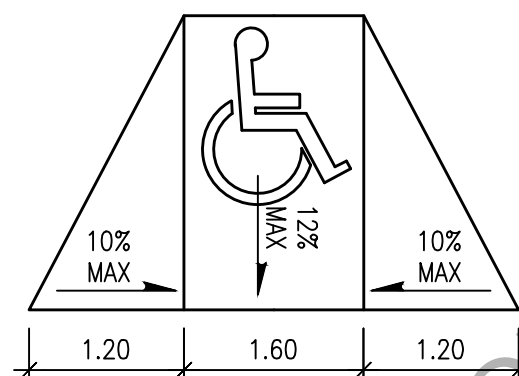


PAVEMENT MARKINGS			
SYMBOL	WIDTH	SPACING / SEGMENT / GAP	COLOR
(A)	150	3.00 M. / 6.00 M.	WHITE
(B)	150	1.00 M. / 1.00 M.	WHITE
(C)	150	SOLID LINE	WHITE

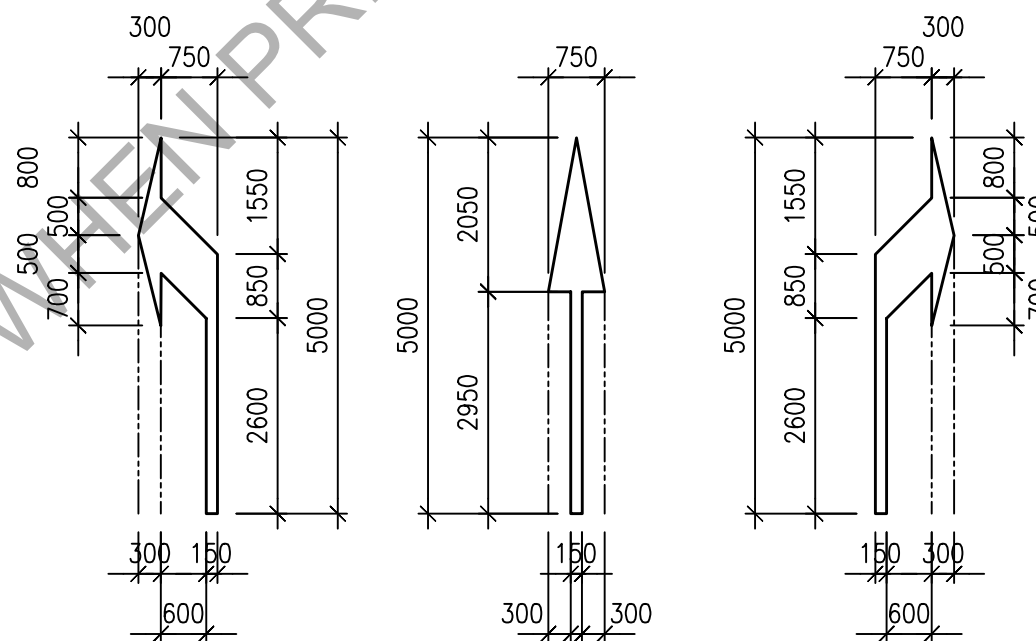


A LANE LINE MARKING DETAILS
SCALE 1:50

D PEDESTRIAN CROSSING DETAIL
SCALE 1:100



B PWD RAMP DETAILS
SCALE 1:50



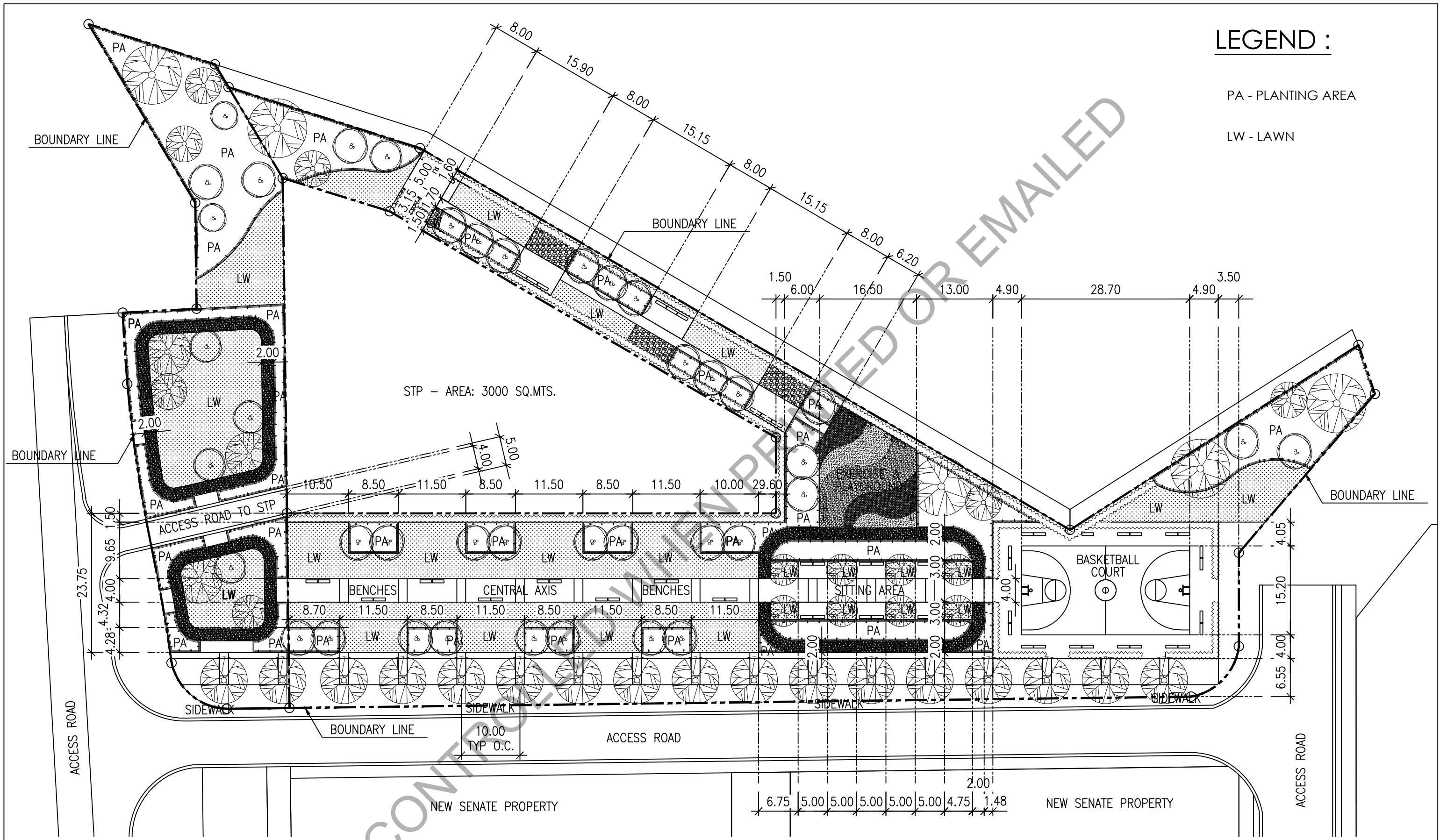
C PAVEMENT ARROW DETAIL
SCALE 1:100

	PREPARED BY :	PREPARED BY :	APPROVED AND REVIEWED BY :	PROJECT TITLE :	SHEET CONTENT :	SCALE :	SHEET NO. :
	 JANSEN GABRIEL S. LIM ENGINEER	 JOHN V. PACETE ARCHITECT	 ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"	PAVEMENT MARKINGS DETAIL	AS SHOWN	A-8.18
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY		REVISION NO. :	

LEGEND :

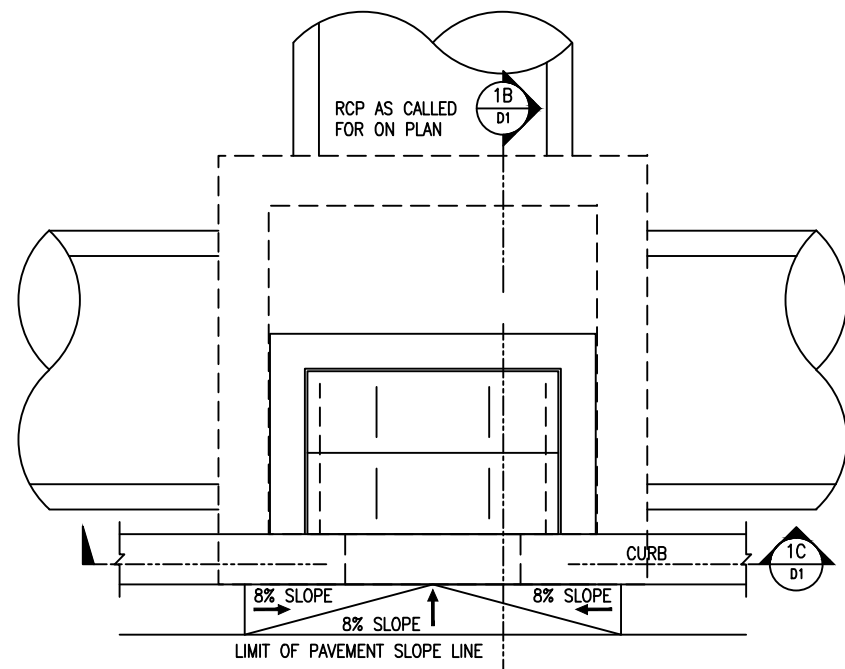
PA - PLANTING AREA

LW - LAWN

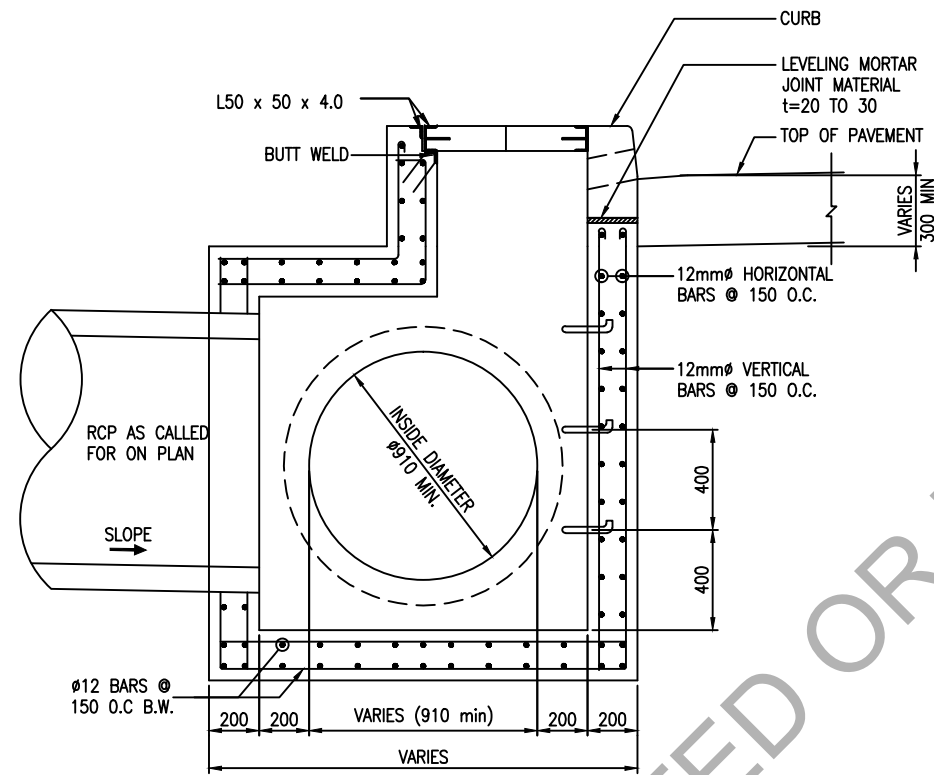


A SETTING-OUT PLAN
SCALE 1:600

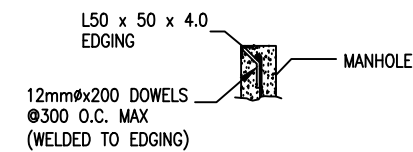
<p>Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority</p>	PREPARED BY : JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY : JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY : ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : SETTING-OUT PLAN		SCALE : 1:600	SHEET NO. A-9
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO.			



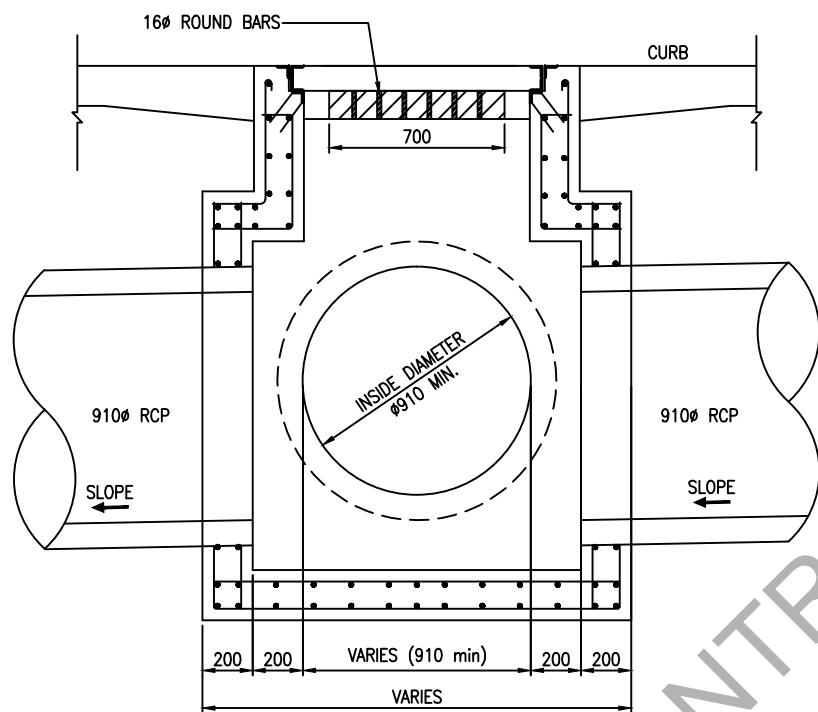
1A PLAN
D1 SCALE 1:20



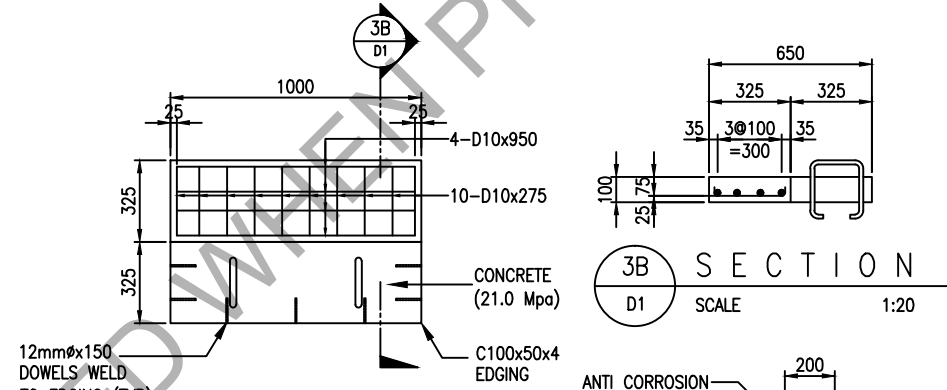
1B SECTION
D1 SCALE 1:20



2 DOWEL DETAIL
D1 SCALE 1:20

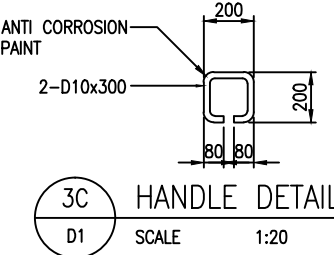


1C SECTION
D1 SCALE 1:20



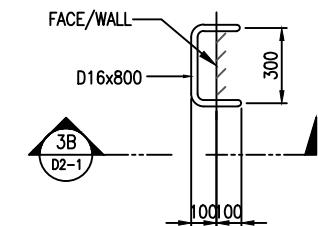
3A PLAN
D1 SCALE 1:20

3B SECTION
D1 SCALE 1:20

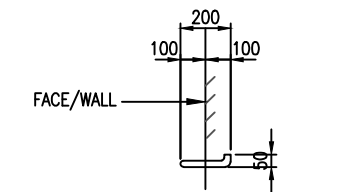


3C HANDLE DETAIL
D1 SCALE 1:20

3 CURB INLET MANHOLE COVER
D1 SCALE 1:20



3A PLAN
D1 SCALE 1:20

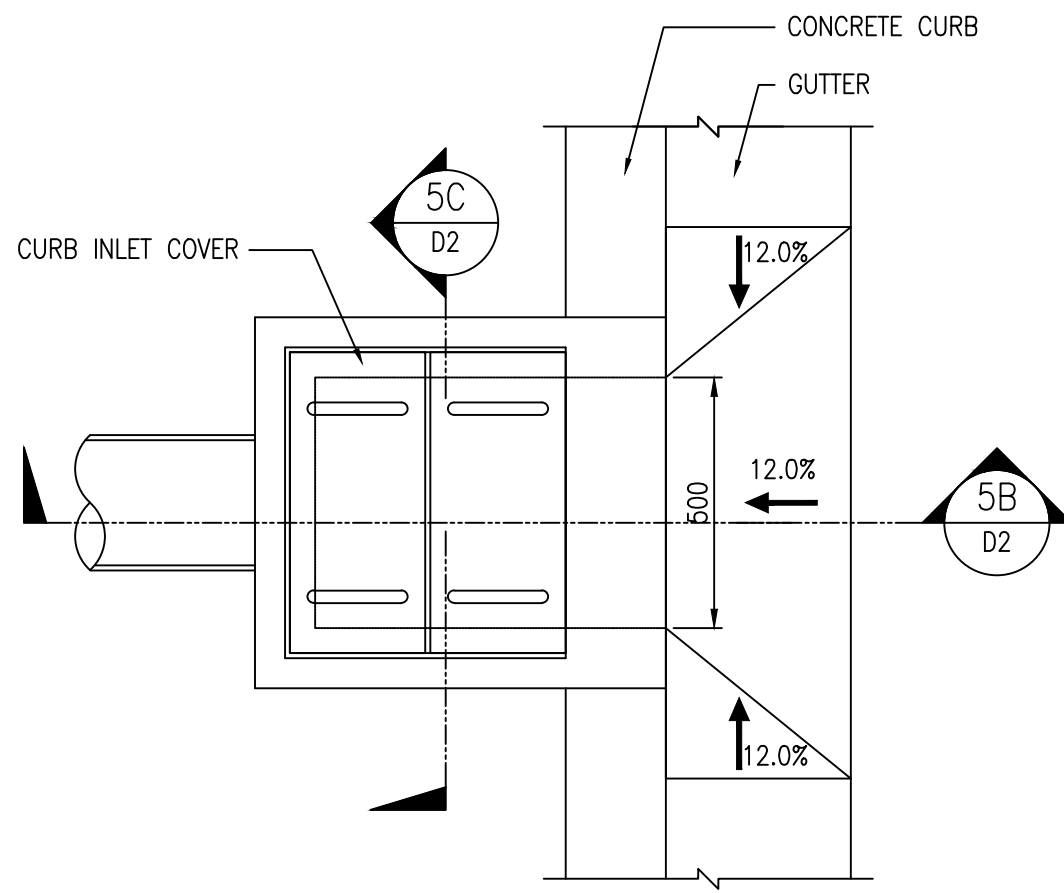


3B SECTION
D1 SCALE 1:20

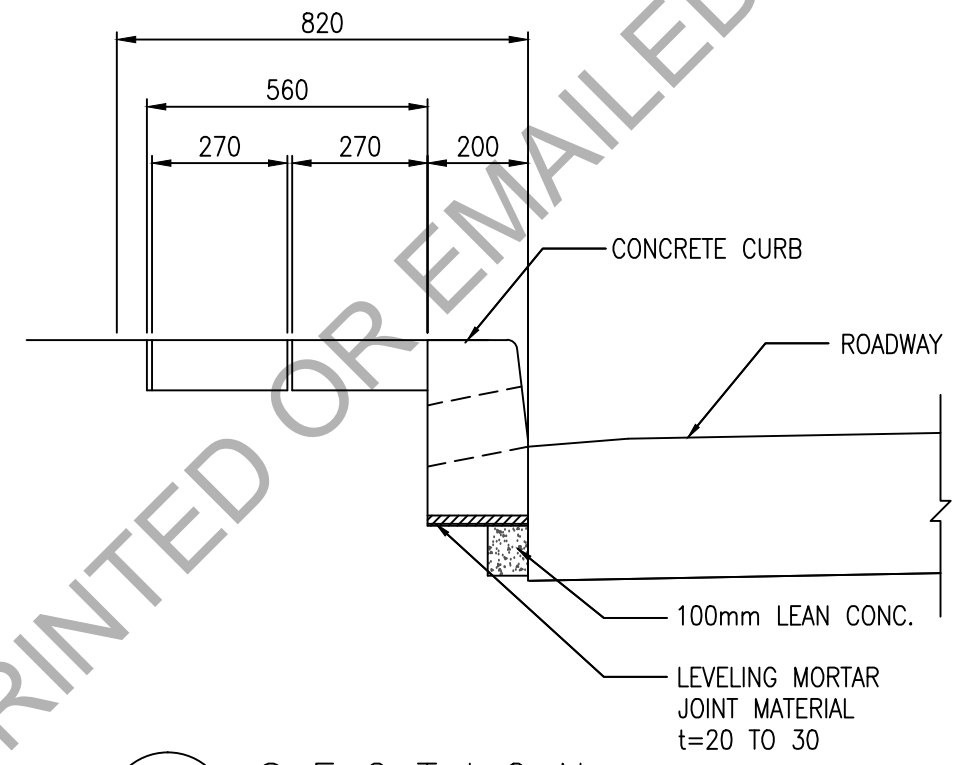
4 LADDER RUNG
D1 SCALE 1:20

1 CURB INLET MANHOLE-TYPE 01
D2-1 SCALE 1:20

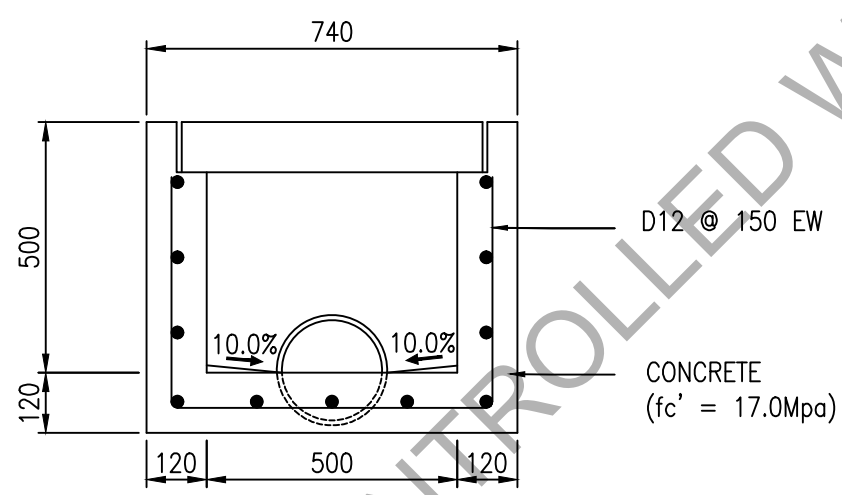
Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY:	PREPARED BY:	APPROVED AND REVIEWED BY:	PROJECT TITLE:	SHEET CONTENT:	SCALE:	SHEET NO.
	JANSSEN GABRIEL S. LIM ENGINEER	JOHN V. PACETE ARCHITECT	ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"		CURB INLET MANHOLE - TYPE 01 CURB INLET MANHOLE COVER DOWEL DETAIL LADDER RUNG	AS SHOWN
DATE:	DATE:	DATE:	LOCATION: PASONG TAMO EXTENSION, TAGUIG CITY			REVISION NO.	



5A PLAN
D2 SCALE 1:15



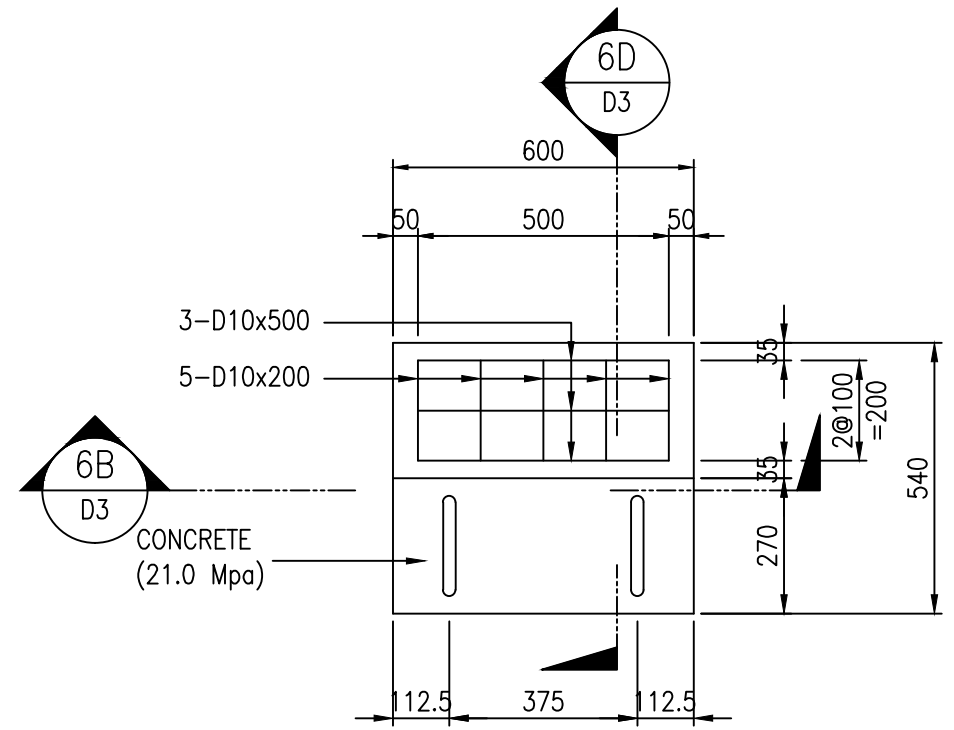
5B SECTION
D2 SCALE 1:15



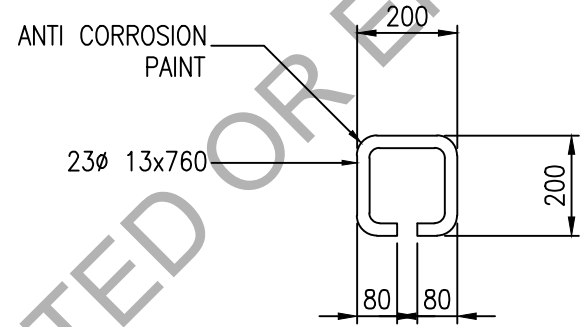
5C SECTION
D2 SCALE 1:15

5 CURB INLET
D2 SCALE 1:15

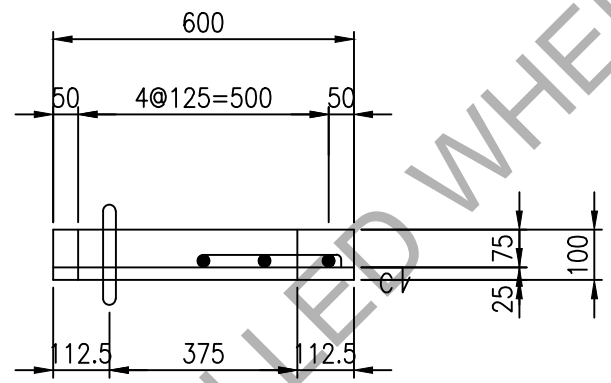
	PREPARED BY :	PREPARED BY :	APPROVED AND REVIEWED BY :	PROJECT TITLE :	SHEET CONTENT :	SCALE :	SHEET NO. :
	 JANSEN GABRIEL S. LIM ENGINEER	 JOHN V. PACETE ARCHITECT	 ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"	CURB INLET	AS SHOWN	D-2
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY		REVISION NO. :	



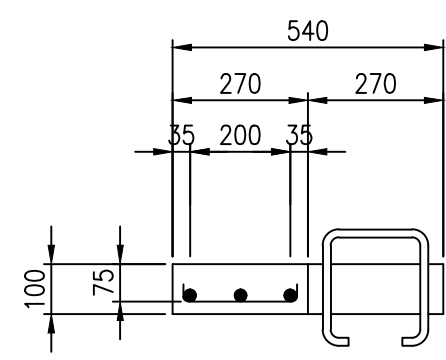
6A P L A N
D3 SCALE 1:15



6C D E T A I L
D3 SCALE 1:15



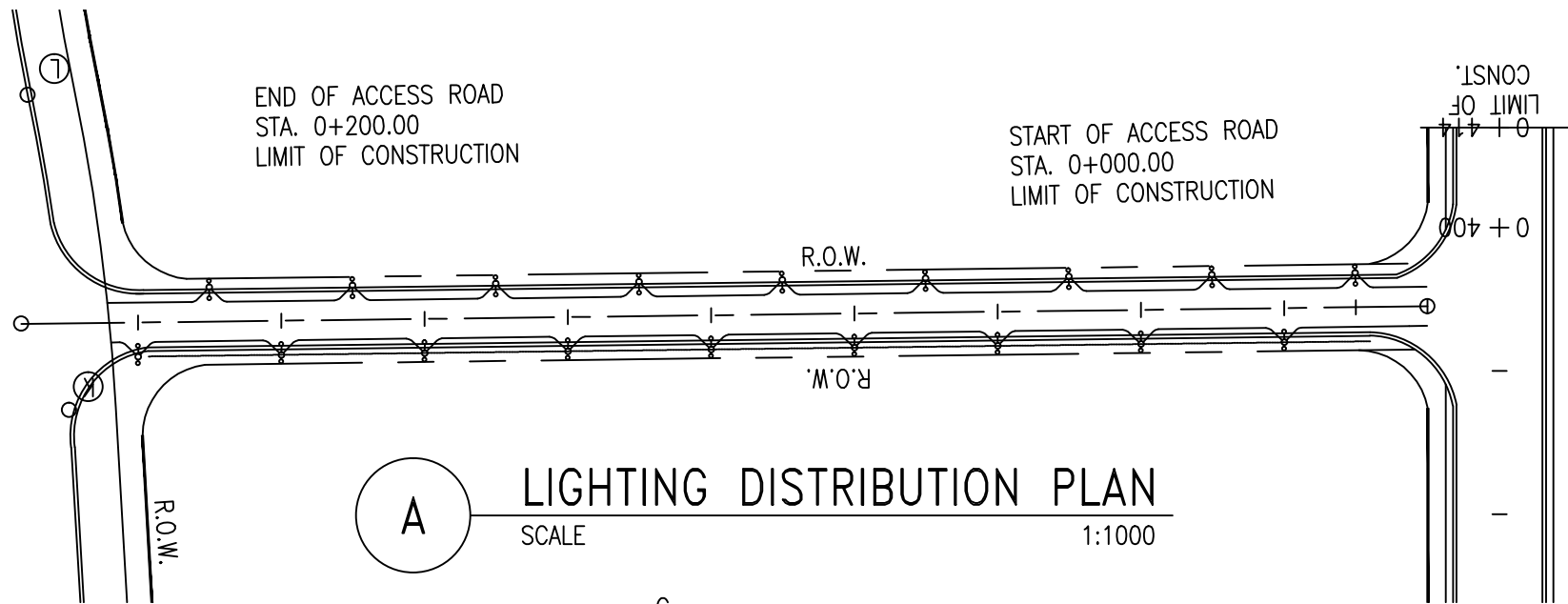
6B S E C T I O N
D3 SCALE 1:15



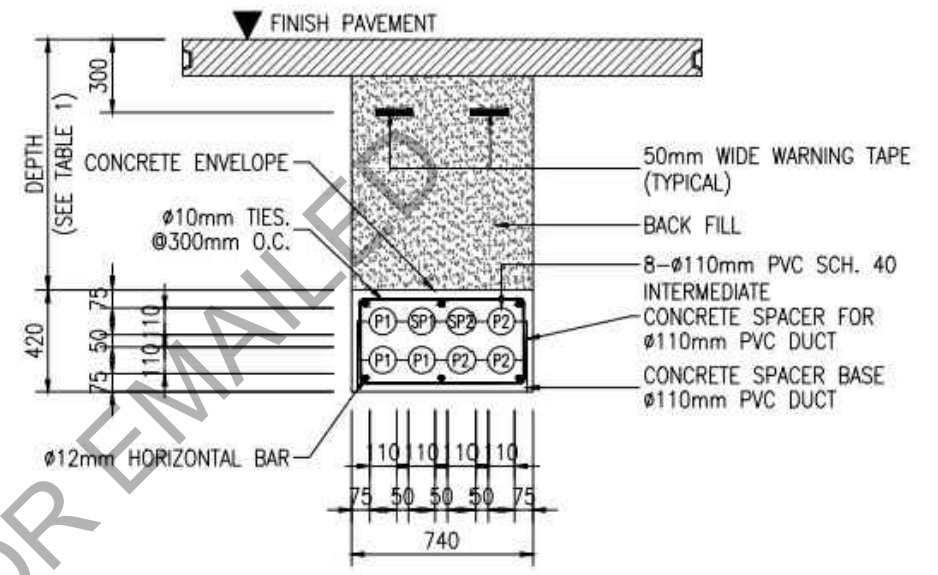
6D S E C T I O N
D3 SCALE 1:15

6 C U R B I N L E T C O V E R
D3 SCALE 1:15

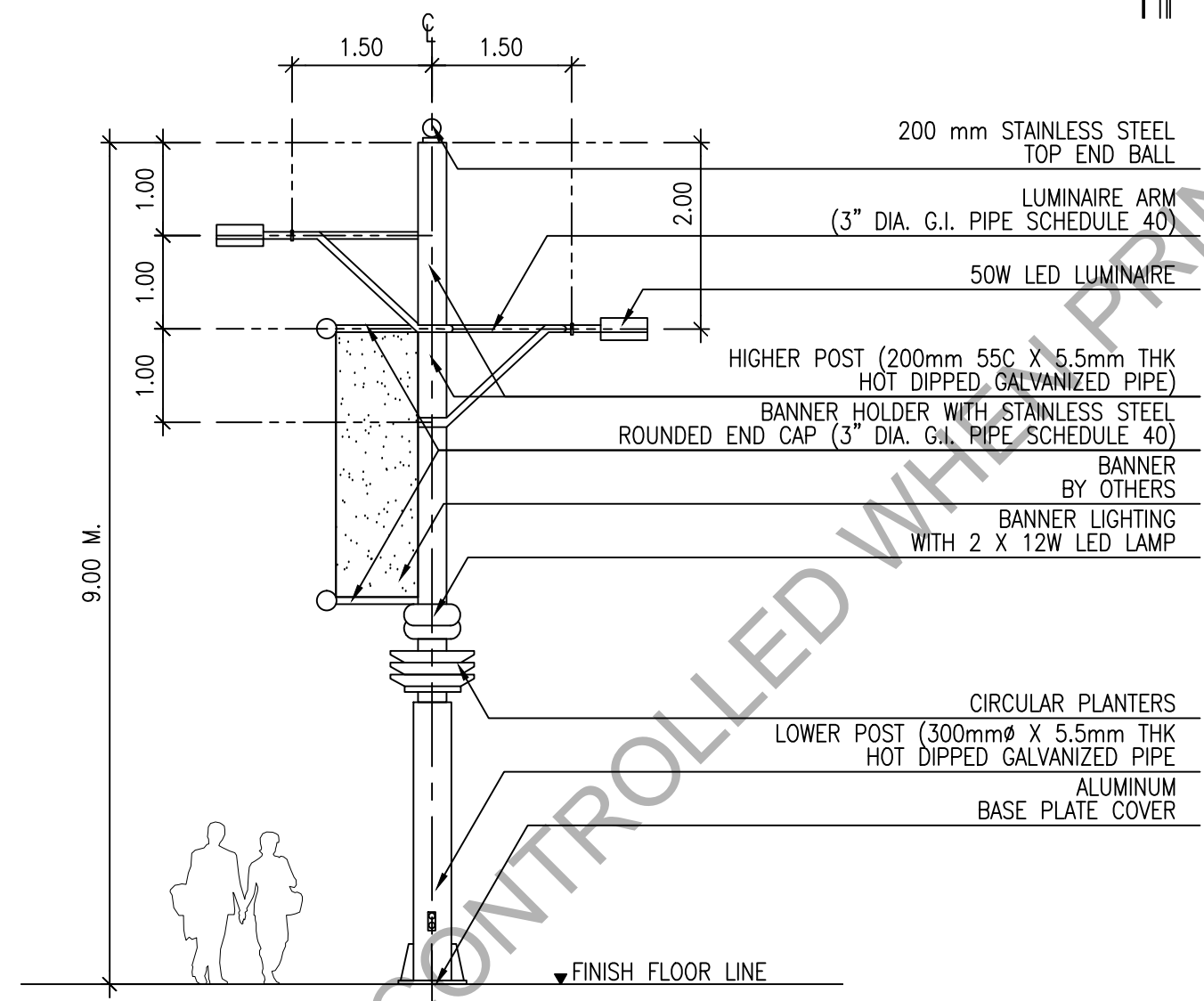
<p>Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority</p>	PREPARED BY : JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY : JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY : ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : CURB INLET COVER	SCALE : AS SHOWN	SHEET NO. D-3
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO.		



A LIGHTING DISTRIBUTION PLAN
SCALE 1:1000



C DUCT BANK DETAIL
SCALE NTS



B LAMP POST
SCALE NTS

APPLICATION NOTES:

1. THESE CONSTRUCTIVE UNITS ARE APPLICABLE TO BOTH 13.5kV U.G. LINES.
2. LABOR INCLUDES CLEANING OF DUCTS WITH MANDREL.
3. ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 13.8 MPa. (2000psi).
4. DUCTS SHALL BE SLOPED DOWN BY ATLEAST 0.25% TOWARDS MANHOLES OR PULLBOXES.
5. THE CONDUIT CONCRETE ENCASEMENT SHALL HAVE 300mm MINIMUM VERTICAL CLEARANCE WHEN CROSSING OVER OR UNDER UTILITIES AND 500mm HORIZONTAL CLEARANCE WHEN INSTALLED IN PARALLEL TO OTHER UNDERGROUND UTILITIES.
6. WARNING TAPE SHALL BE HIGH GRADE LEAD FREE PIGMENTS, LOW DENSITY POLYETHYLENE POLYMERS AND RESISTANT TO MOST SOIL TYPES INCLUDING ALKALINE AND ACID SOILS.

TABLE 1

MINIMUM DEPTH "D" IN MM	
AREAS SUBJECT TO VEHICULAR TRAFFIC (SEE NOTE)	OTHER AREAS*
525	385

*MEASURED FROM TOP OF CONDUIT CONCRETE ENCASEMENT TO FINAL GRADE.
NOTES:
AREAS SUBJECT TO VEHICULAR TRAFFIC ARE PUBLIC OR PRIVATE ROADS, PARKING LOTS, OR OTHER AREAS SUBJECT TO USE BY CARS OR TRUCKS.

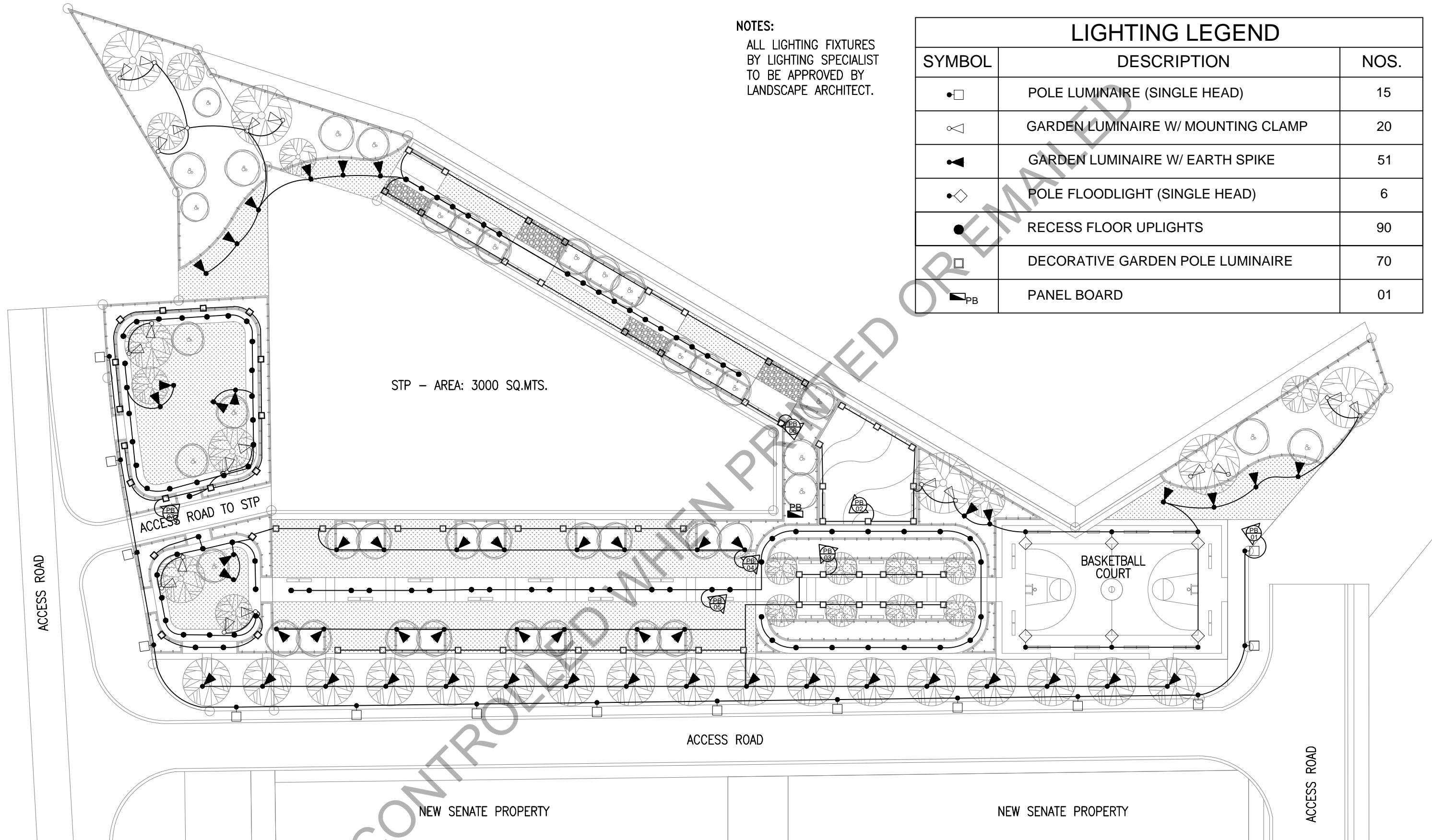
NOTES:

ALL LIGHTING FIXTURES
BY LIGHTING SPECIALIST
TO BE APPROVED BY
LANDSCAPE ARCHITECT.

LIGHTING LEGEND

SYMBOL	DESCRIPTION	NOS.
•□	POLE LUMINAIRE (SINGLE HEAD)	15
◊	GARDEN LUMINAIRE W/ MOUNTING CLAMP	20
▲	GARDEN LUMINAIRE W/ EARTH SPIKE	51
◊	POLE FLOODLIGHT (SINGLE HEAD)	6
●	RECESS FLOOR UPLIGHTS	90
◻	DECORATIVE GARDEN POLE LUMINAIRE	70
▣PB	PANEL BOARD	01

STP - AREA: 3000 SQ.MTS.



E LIGHTING LAYOUT
SCALE 1:600

<p>Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority</p>	PREPARED BY : JANSEN GABRIEL S. LIM ENGINEER	PREPARED BY : JOHN V. FACETE ARCHITECT	APPROVED AND REVIEWED BY : ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : LIGHTING LAYOUT		SCALE : 1:600	SHEET NO. E-2
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO.			

GENERAL NOTES

1. ALL ELECTRICAL WORKS SHALL BE DONE IN ACCORDANCE WITH THE PROVISION OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC). THE RULES AND REGULATIONS OF LOCAL AND NATIONAL AUTHORITIES CONCERNED WITH ENFORCEMENT OF RULES AND REGULATIONS OF LOCAL UTILITY COMPANY.
2. THE SERVICE VOLTAGE SHALL BE ONE PHASE, THREE WIRES, 230 VOLTS, 60 HERTZ SYSTEM.
3. THE INSTALLATION SHALL BE DONE AS FOLLOWS:
 - a. RIGID STEEL CONDUIT (RSC) ----- POWER SERVICE ENTRANCE FEEDERS
 - b. POLYVINYL CHLORIDE (PVC) ----- LIGHTING, POWER BRANCH CIRCUITS
4. TYPE "THW/THHN" UNLESS NOTED OTHERWISE SPECIFIED.
5. ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND OF THE APPROVED TYPE FOR THE LOCATION AND PURPOSED INTENDED.
6. THE MINIMUM SIZE OF WIRE AND CONDUIT TO BE USED SHALL BE 3.5 sqmm THHN AND 20 mm dia. RESPECTIVELY.
7. WHENEVER NECESSARY PULLBOX SHALL BE PROVIDED EVEN NOT INDICATED IN THE PLAN.
8. BRANCH CIRCUIT HOMERUNS SHALL NOT BE COMBINED IN THE SAME RACEWAY AND RACEWAY FOR AUXILIARY LINES SHALL NOT CONTAINS POWER LINES.
9. MOUNTING HEIGHTS SHALL BE AS FOLLOWS:
 - a. 1.70m ABOVE FLOOR FINISH@ CENTER ----- PANELBOARDS
 - b. ALL OTHER HEIGHTS ----- VERIFY TO THE ARCHITECT
10. ALL SERVICE ENTRANCE EQUIPMENTS SUCH AS PANELBOARD SHALL BE PROPERLY GROUNDED IN ACCORDANCE WITH THE PROVISION OF THE PHILIPPINE ELECTRICAL CODE. ALL ELECTRICAL WORKS AND INSTALLATIONS HEREIN SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY REGISTERED ELECTRICAL ENGINNER OR MASTER ELECTRICIAN.

PANEL BOARD (PB) WITH PHOTOCELL & AUTOMATIC SWITCH TIMER								
CKT NO	LOAD DESCRIPTION	VA	V	A	TRIP	P	SIZE OF WIRES	CONDUIT
01	LIGHTING OUTLET	3750	230	16.30	20	2	2-3.5mm ² THHN + 1-3.5mm ² THHN (G)	20mm ϕ PVC
02	LIGHTING OUTLET	3600	230	15.65	20	2	2-3.5mm ² THHN + 1-3.5mm ² THHN (G)	20mm ϕ PVC
03	LIGHTING OUTLET	4500	230	19.57	20	2	2-3.5mm ² THHN + 1-3.5mm ² THHN (G)	20mm ϕ PVC
04	LIGHTING OUTLET	4100	230	17.83	20	2	2-3.5mm ² THHN + 1-3.5mm ² THHN (G)	20mm ϕ PVC
05	LIGHTING OUTLET	3600	230	15.65	20	2	2-3.5mm ² THHN + 1-3.5mm ² THHN (G)	20mm ϕ PVC
06	LIGHTING OUTLET	4700	230	20.43	20	2	2-3.5mm ² THHN + 1-3.5mm ² THHN (G)	20mm ϕ PVC
07	LIGHTING OUTLET	4400	230	19.13	20	2	2-3.5mm ² THHN + 1-3.5mm ² THHN (G)	20mm ϕ PVC
08	SPARE							
	TOTAL	28650		124.56				

TOTAL CONNECTED LOAD	SIZE OF MAIN CIRCUIT BREAKER	SIZE OF MAIN FEEDERLINE
IFL = 124.56A + (25%) (20.43A) IFL = 129.67A IFL @ 85% DF = 129.67A x 0.85 IFL @ 85% DF = 110.22A	Use : 150AT, 100AF, 2P, 230V Center Main Floor Mounted Electrical Panel board Enclosure Weatherproof/Outdoor type with Photocell and Automatic Switch Timer	Use : 2-38mm ² THHN + 1-8.0mm ² THHN (G) 50mm ϕ RSC Pipe NOTE: Tap to nearest distribution power supply

E
LOAD SCHEDULE
 SCALE _____ NTS.

Republic of the Philippines Office of the President Bases Conversion and Development Authority	PREPARED BY : JANSSEN GABRIEL S. LIM ENGINEER	PREPARED BY : JOHN V. PACETE ARCHITECT	APPROVED AND REVIEWED BY : ENGR. MARK P. TORRES OIC - ENGINEERING & SOCIAL SUPPORT DEPARTMENT	PROJECT TITLE : "STP, ACCESS ROAD AND FREEDOM PARK"	SHEET CONTENT : GENERAL NOTES AND LOAD SCHEDULE	SCALE : 1:600	SHEET NO. E-3
	DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO.		



A

PERSPECTIVE 01
SCALE NTS

Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY :	PREPARED BY :	APPROVED AND REVIEWED BY :	PROJECT TITLE :	SHEET CONTENT :	SCALE :	SHEET NO. :
	 JANSEN GABRIEL S. LIM ENGINEER	 JOHN V. PACETE ARCHITECT	 ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"	PERSPECTIVE 01	NTS	N-1
DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO. :			



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PERSPECTIVE 02
SCALE NTS

Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY :	PREPARED BY :	APPROVED AND REVIEWED BY :	PROJECT TITLE :	SHEET CONTENT :	SCALE :	SHEET NO. :
	 JANSEN GABRIEL S. LIM ENGINEER	 JOHN V. PACETE ARCHITECT	 ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"	PERSPECTIVE 02	NTS	N-2
DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO. :			



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PERSPECTIVE 03
SCALE NTS

Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY :	PREPARED BY :	APPROVED AND REVIEWED BY :	PROJECT TITLE :	SHEET CONTENT :	SCALE :	SHEET NO. :
	 JANSEN GABRIEL S. LIM ENGINEER	 JOHN V. PACETE ARCHITECT	 ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"	PERSPECTIVE 03	NTS	N-3
DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO. :			



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PERSPECTIVE 04
SCALE NTS

Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY :	PREPARED BY :	APPROVED AND REVIEWED BY :	PROJECT TITLE :	SHEET CONTENT :	SCALE :	SHEET NO. :
	 JANSEN GABRIEL S. LIM ENGINEER	 JOHN V. PACETE ARCHITECT	 ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"	PERSPECTIVE 04	NTS	N-4
DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO. :			



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PERSPECTIVE 05
SCALE NTS

Republic of the Philippines Office of the President BCDA Bases Conversion and Development Authority	PREPARED BY :	PREPARED BY :	APPROVED AND REVIEWED BY :	PROJECT TITLE :	SHEET CONTENT :	SCALE :	SHEET NO. :
	 JANSEN GABRIEL S. LIM ENGINEER	 JOHN V. PACETE ARCHITECT	 ENGR. MARK P. TORRES OIC - ENGINEERING AND SOCIAL SUPPORT DEPARTMENT	"STP, ACCESS ROAD AND FREEDOM PARK"	PERSPECTIVE 05	NTS	N-5
DATE :	DATE :	DATE :	LOCATION : PASONG TAMO EXTENSION, TAGUIG CITY	REVISION NO. :			