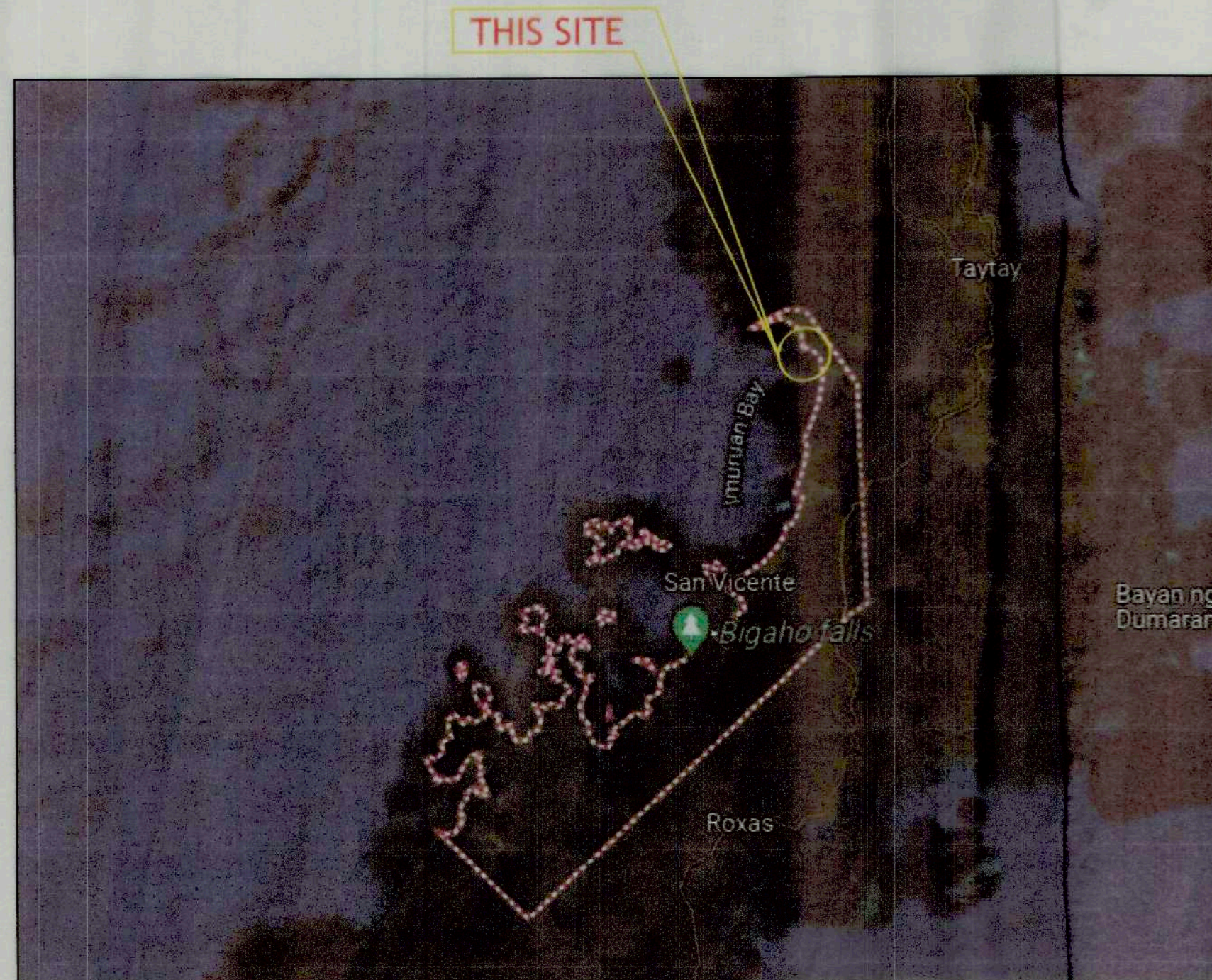




1
G-01 NTS
LOCATION PLAN



2
G-01 NTS
VICINITY MAP

TABLE

BARANGAY	ROAD	TOTAL LENGTH (m)
NEW AGUTAYA	1	1,242
NEW AGUTAYA	2	245
NEW AGUTAYA	3	329
NEW AGUTAYA	5	540
SAN ISIDRO	6	248
SAN ISIDRO	7 & 8	477
		3,081 m

SHEET CONTENT		Republic of the Philippines DEPARTMENT OF PUBLIC WORKS & HIGHWAYS OFFICE OF THE BUILDING OFFICIAL
SHEET NO.	INDEX	
G-01	PERSPECTIVES VICINITY MAP, LOCATION MAP	
	ARCHITECTURAL	
1	KEY PLAN STA. 0+00 - 1+242 RD. - 1	
2	PLAN STA. 0+00 - 0+180 PLAN STA. 0+180 - 0+400	
3	PLAN STA. 0+400 - 0+700 PLAN STA. 0+700 - 0+940	
4	PLAN STA. 0+940 - 1+242	
5	KEY PLAN STA. 0+00 - 0+085 & 0+160 RD. - 2 PLAN STA. 0+00 - 0+085 PLAN STA. 0+00 - 0+160	
6	KEY PLAN STA. 0+00 - 0+109 & 0+220 RD. - 3 PLAN STA. 0+00 - 0+080 & 0+0 - 0+109 PLAN STA. 0+080 - 0+220	
7	KEY PLAN STA. 0+00 - 0+182 & 0+00 - 0+358 RD. - 5 PLAN STA. 0+00 - 0+182 PLAN STA. 0+00 - 0+358 PLAN STA. 0+220 - 0+358	
8	PLAN STA. 0+00 - 0+248 RD. - 6	
9	KEY PLAN PLAN STA. 0+00 - 0+477 RD. - 7&8	
10	PLAN EXISTING RD. - STA. 0+00 PLAN STA. 0+00 - 0+100 PLAN STA. 0+100 - 0+280	
11	PLAN STA. 0+280 - 0+477	
TF-1	TEMPORARY BARRACKS SIGNAGE	
	STRUCTURAL	
S-1	TYPICAL ROAD PLAN SPOT DETAIL "A" TYPICAL ROAD SECTION	
S-2	BOX CULVERT PLAN ELEVATION, SECTION	
S-03	TYPICAL ROAD CROSS SECTION PART SECTION ALONG E OF BOX CULVERT, SECTION, DETAIL - 4, DETAIL - 5, PART PLAN OF C = 0°, PART PLAN OF C = 30°, PART PLAN OF C = 45°, DETAIL - 9	
S-04	TRIPLE BARREL SECTION RCBC FILLET DETAIL BAR DIAGRAMS - DOUBLE & TRIPLE BARREL	
S-05	WING WALL ELEVATION SECTION WING WALL PLAN, DETAIL QUANTITIES FOR STANDARD BOX CULVERTS QUANTITIES FOR STANDARD WING WALLS, GENERAL NOTES	
	SCOPE OF WORKS:	
	1. GENERAL REQUIREMENTS	
	2. MOBILIZATION/DEMOLITION	
	3. ROAD 1	
	a. ITEM 102 - EXCAVATION	
	b. ITEM 104 - EMBANKMENT	
	c. ITEM 200 - AGGREGATE BASE COURSE	
	d. ITEM 311 - PCC PAVEMENT (230mm)	
	4. ROAD 2	
	a. ITEM 102 - EXCAVATION	
	b. ITEM 104 - EMBANKMENT	
	c. ITEM 200 - AGGREGATE BASE COURSE	
	d. ITEM 311 - PCC PAVEMENT (230mm)	
	5. ROAD 3	
	a. ITEM 102 - EXCAVATION	
	b. ITEM 104 - EMBANKMENT	
	c. ITEM 200 - AGGREGATE BASE COURSE	
	d. ITEM 311 - PCC PAVEMENT (230mm)	
	6. ROAD 4	
	a. ITEM 102 - EXCAVATION	
	b. ITEM 104 - EMBANKMENT	
	c. ITEM 200 - AGGREGATE BASE COURSE	
	d. ITEM 311 - PCC PAVEMENT (230mm)	
	7. ROAD 6	
	a. ITEM 102 - EXCAVATION	
	b. ITEM 104 - EMBANKMENT	
	c. ITEM 200 - AGGREGATE BASE COURSE	
	d. ITEM 311 - PCC PAVEMENT (230mm)	
	8. ROAD 7 & 8	
	a. ITEM 102 - EXCAVATION	
	b. ITEM 104 - EMBANKMENT	
	c. ITEM 200 - AGGREGATE BASE COURSE	
	d. ITEM 311 - PCC PAVEMENT (230mm)	

CONFORME:

ATTY. KAREN MAE G. SARINAS - BAYDO

Assistant Chief Operating Officer
Tourism Enterprise Zone Management Sector

RECOMMENDING APPROVAL:

GREGORY A. OLLER

Assistant Chief Operating Officer
Architectural & Engineering Services Sector

APPROVED BY:

MARK T. LAPID

Chief Operating Officer

SHEET CONTENTS:

AS SHOWN

REVISIONS:

R.A. 9266

SHEET NO.

G-01

18

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TIEZA
TOURISM INFRASTRUCTURE
AND ENTERPRISE ZONE AUTHORITY
6TH & 7TH FLR. TOWER 1 DOUBLE DRAGON PLAZA
DOUBLE DRAGON MERIDIAN PARK, MACAPAGAL AVENUE
CORNER EDSA EXTENSION BAY AREA PASAY CITY 1308

PROJECT TITLE/LOCATION

DEVELOPMENT OF SAN VICENTE
FLAGSHIP TEZ LONG BEACH
ACCESS ROAD PROJECT
SAN VICENTE, PALAWAN

PROJECT EVALUATION AND PLANNING DEPARTMENT

PREPARED BY:

ODONILO B. SAN JUAN

DRAWN BY: O.B. SAN JUAN

DATE:

CHECKED BY:

RADY B. ADAME

MANAGER
PROJECT PLANNING & DESIGN DIVISION

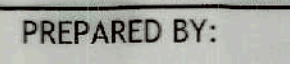
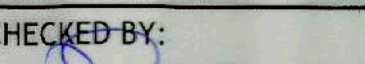
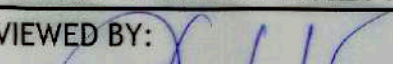
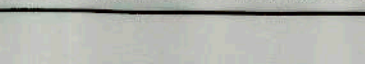
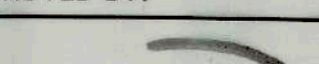
REVIEWED BY:

JEFFREY L. MACALALAD

MANAGER
OIC PROJECT EVALUATION & PLANNING DEPARTMENT



KEY PLAN STA. 0+00 - 1+242 RD. - 1
SCALE 1:2000 MTS.

										ROAD - 1	
 TIEZA TOURISM INFRASTRUCTURE AND ENTERPRISE ZONE AUTHORITY 6TH & 7TH FLR. TOWER 1 DOUBLE DRAGON PLAZA DOUBLE DRAGON MERIDIAN PARK, MACAPAGAL AVENUE CORNER EDSA EXTENSION BAY AREA PASAY CITY 1308	PROJECT TITLE/LOCATION		PROJECT EVALUATION AND PLANNING DEPARTMENT			RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	R.A. 9266	SHEET NO.	
	DEVELOPMENT OF SAN VICENTE FLAGSHIP TEZ LONG BEACH ACCESS ROAD PROJECT		PREPARED BY:  ERVIN A. BOADO	CHECKED BY:  RODY E. ADAME	REVIEWED BY:  JEFFREY L. MACALALAD	 GREGORY A. OLLER	 MARK T. LAPID	AS SHOWN	THIS DRAWING AS INSTRUMENT OF SERVICE IS A PROPERTY OF TIEZA. IT SHALL BE UNLAWFUL TO DUPLICATE OR TO MAKE COPIES OF THIS DOCUMENT WITHOUT THE CONSENT OF TIEZA.	1 18	
	SAN VICENTE, PALAWAN		DRAWN BY: O.B. SAN JUAN DATE:	MANAGER PROJECT PLANNING & DESIGN DIVISION	MANAGER OIC PROJECT EVALUATION & PLANNING DEPARTMENT	ASSISTANT CHIEF OPERATING OFFICER Architectural & Engineering Services Sector	CHIEF OPERATING OFFICER	REVISIONS:			

MATCH LINE
STA. 0 + 400

MATCH LINE
STA. 0 + 180

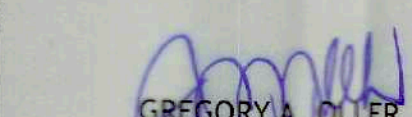
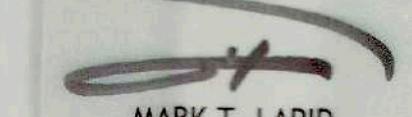
MATCH LINE
STA. 0 + 180

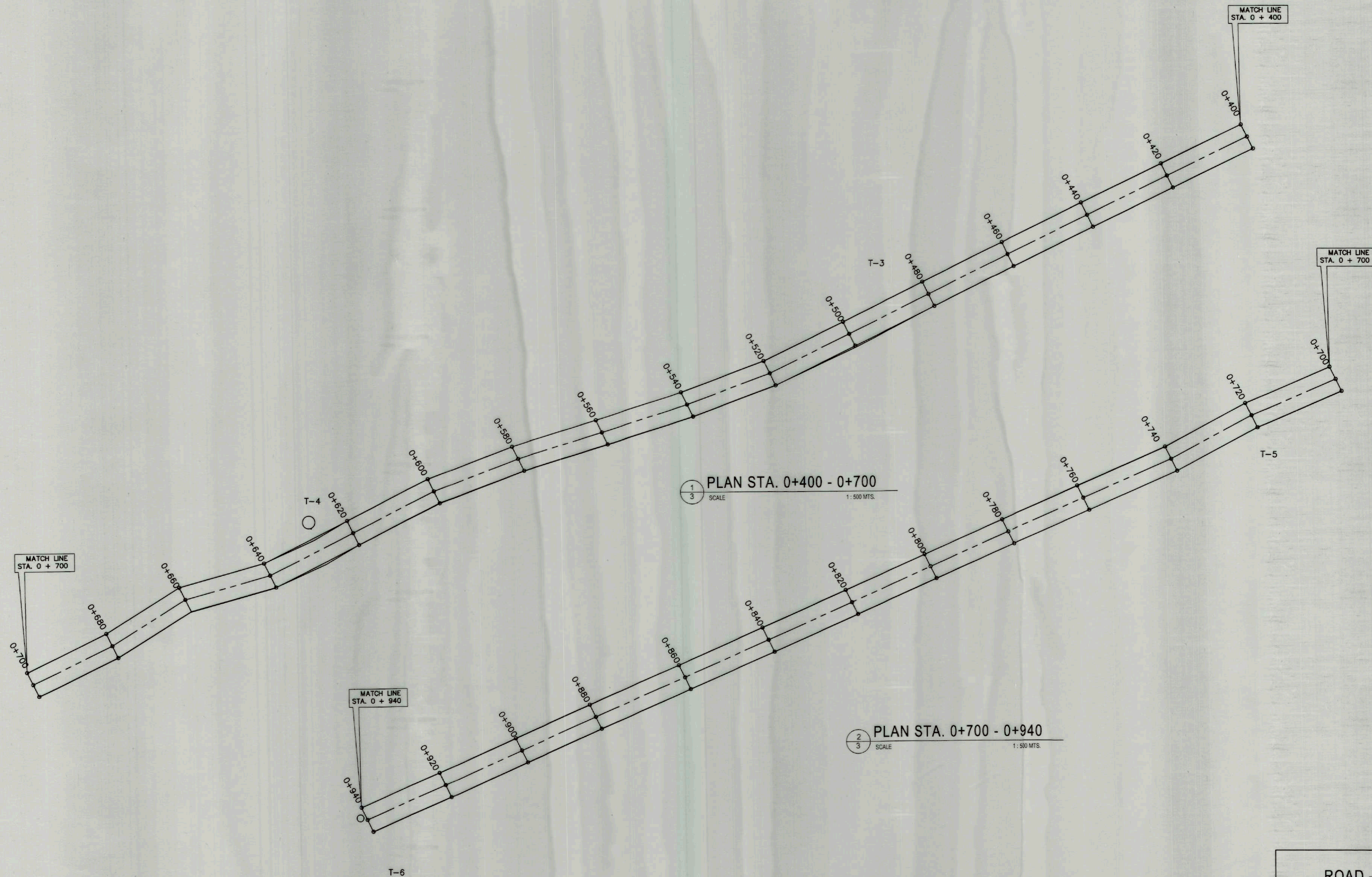
START OF PROJECT
STA. 0 + 000

PLAN STA. 0+180 - 0+400
SCALE 1:500 MTS.

PLAN STA. 0+00 - 0+180
SCALE 1:500 MTS.

ROAD - 1

 TIEZA TOURISM INFRASTRUCTURE AND ENTERPRISE ZONE AUTHORITY 6TH & 7TH FLR. TOWER 1 DOUBLE DRAGON PLAZA DOUBLE DRAGON MERIDIAN PARK, MACAPAGAL AVENUE CORNER EDSA EXTENSION BAY AREA PASAY CITY 1308	PROJECT TITLE/LOCATION DEVELOPMENT OF SAN VICENTE FLAGSHIP TEZ LONG BEACH ACCESS ROAD PROJECT SAN VICENTE, PALAWAN	PROJECT EVALUATION AND PLANNING DEPARTMENT			RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	R.A. 9266	SHEET NO.
		PREPARED BY: ERVIN A. BOADO	CHECKED BY: RADY E. ADAME	REVIEWED BY: JEFFREY L. MACALALAD	 GREGORY A. OLLER ASSISTANT CHIEF OPERATING OFFICER Architectural & Engineering Services Sector	 MARK T. LAPID CHIEF OPERATING OFFICER	AS SHOWN		2 18
		DRAWN BY: O.B. SAN JUAN	MANAGER PROJECT PLANNING & DESIGN DIVISION	MANAGER OIC PROJECT EVALUATION & PLANNING DEPARTMENT					
		DATE:					REVISIONS:		

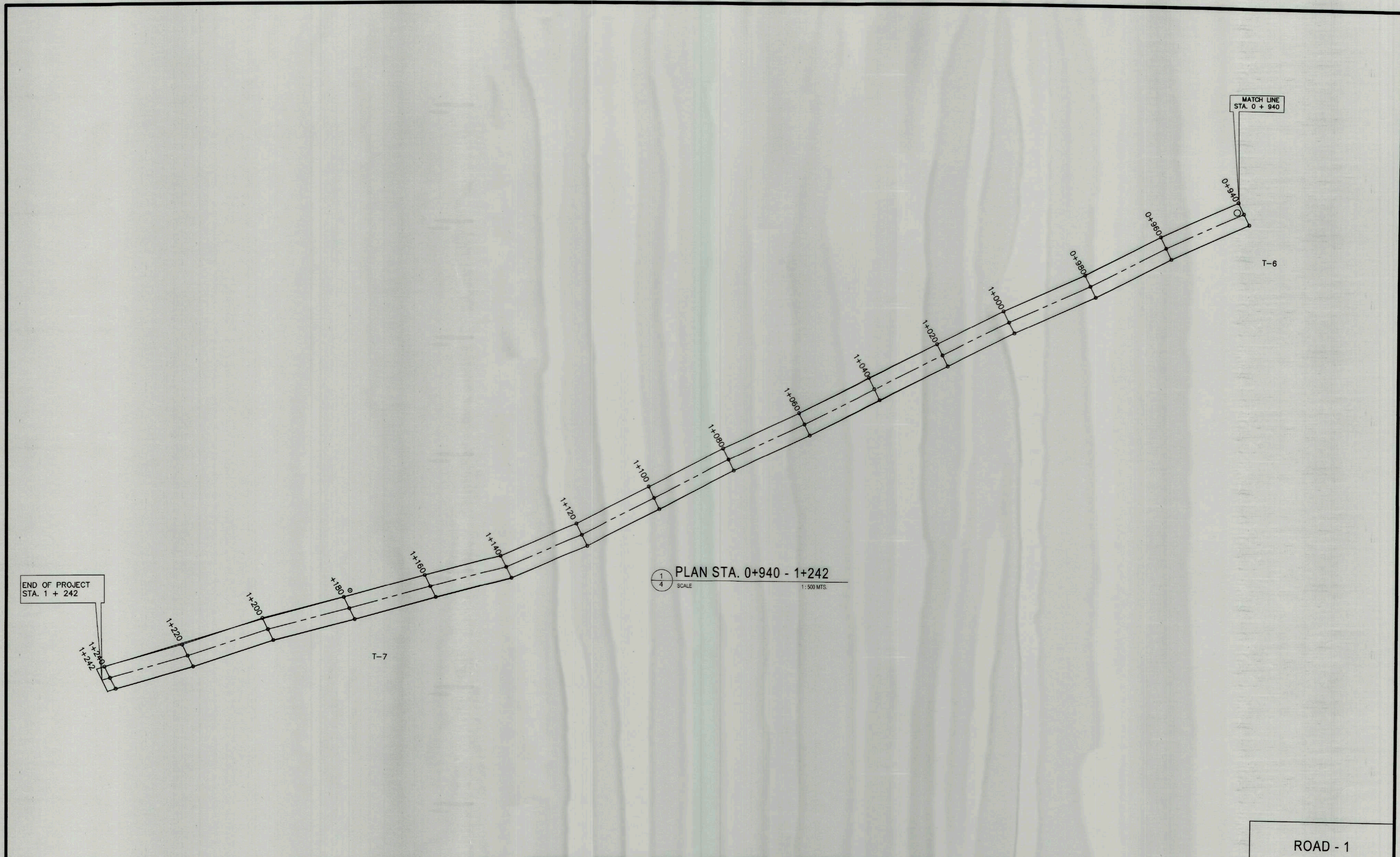


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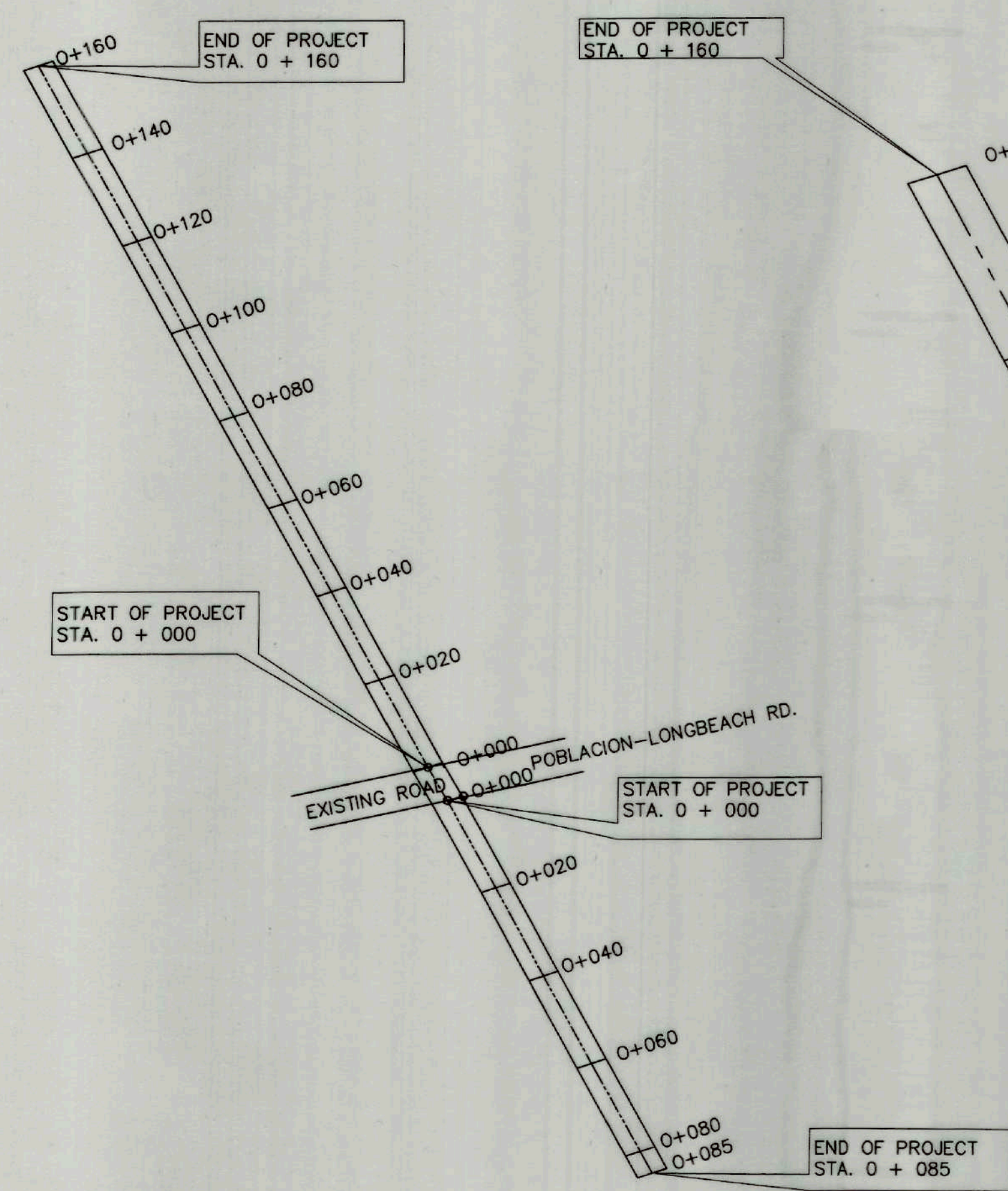
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		ERVIN A. BOADO	RADY E. ADAME	JEOFFREY L. MACALALAD	GREGORY A. OLLER	MARK T. LAPID	AS SHOWN		
		DRAWN BY: Q.B. SAN JUAN DATE:	MANAGER PROJECT PLANNING & DESIGN DIVISION	MANAGER CIC PROJECT EVALUATION & PLANNING DEPARTMENT	ALTERNATE CHIEF OPERATING OFFICER Architectural & Engineering Services Sector	CHIEF OPERATING OFFICER	REVISIONS:		

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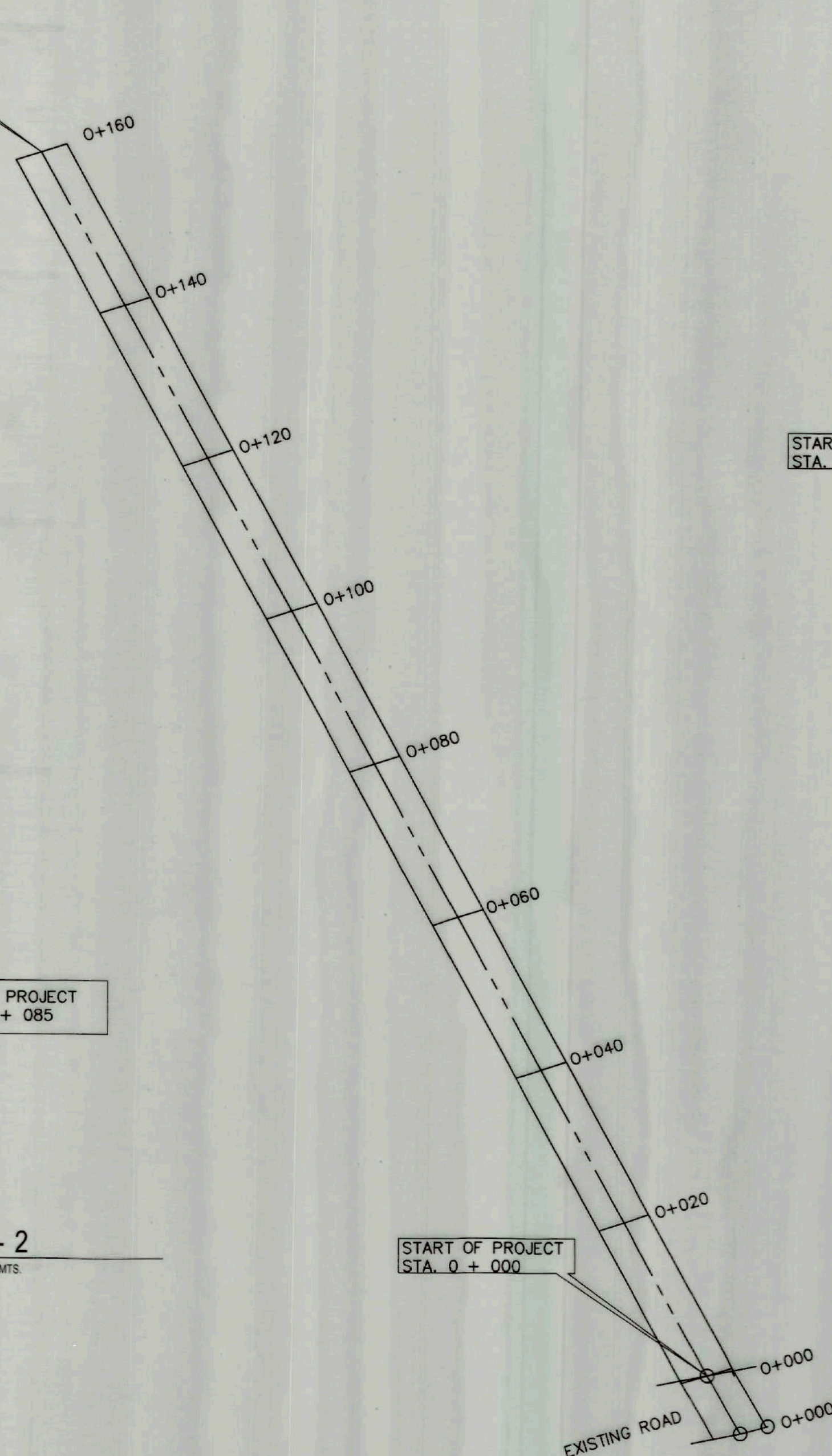
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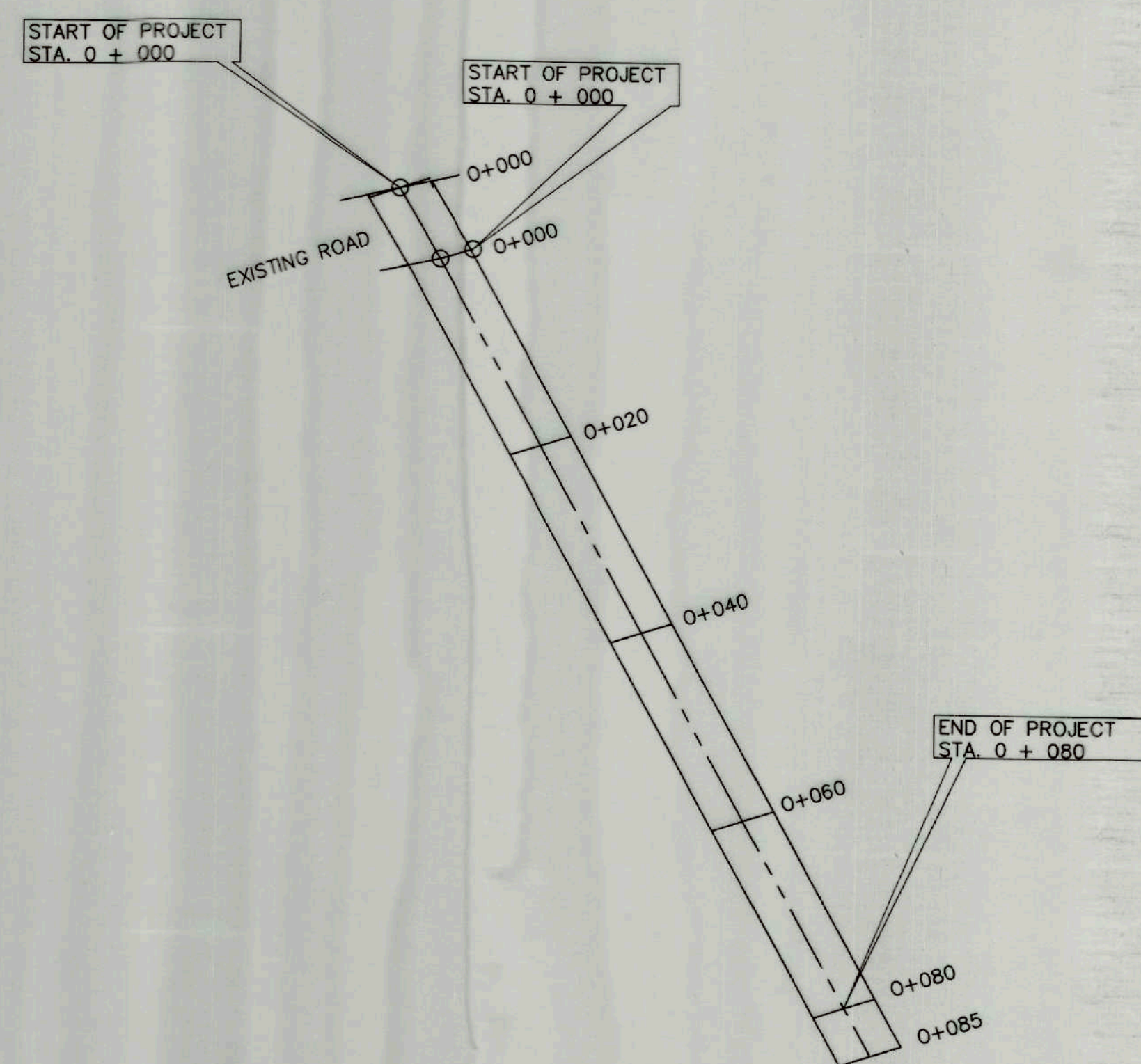
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PROJECT TITLE/LOCATION		PROJECT EVALUATION AND PLANNING DEPARTMENT			RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:
DEVELOPMENT OF SAN VICENTE FLAGSHIP TEZ LONG BEACH ACCESS ROAD PROJECT SAN VICENTE, PALAWAN		PREPARED BY: ERVIN A. BOADO	CHECKED BY: RADY E. ADAME	REVIEWED BY: JEFFREY L. MACALALAD	GREGORY A. OLLER	MARK T. LAPID	AS SHOWN
DRAWN BY: O.B. SAN JUAN DATE:		MANAGER PROJECT PLANNING & DESIGN DIVISION	MANAGER OIC PROJECT EVALUATION & PLANNING DEPARTMENT	ASSISTANT CHIEF OPERATING OFFICER Architectural & Engineering Services Sector	CHIEF OPERATING OFFICER	REVISIONS:	THIS DRAWING AS INSTRUMENT OF SERVICE IS A PROPERTY OF TIEZA. IT SHALL BE UNLAWFUL TO DUPLICATE OR TO MAKE COPIES OF THIS DOCUMENT WITHOUT THE CONSENT OF TIEZA.



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2 PLAN STA. 0+00 - 0+160
SCALE 1:500 MTS.

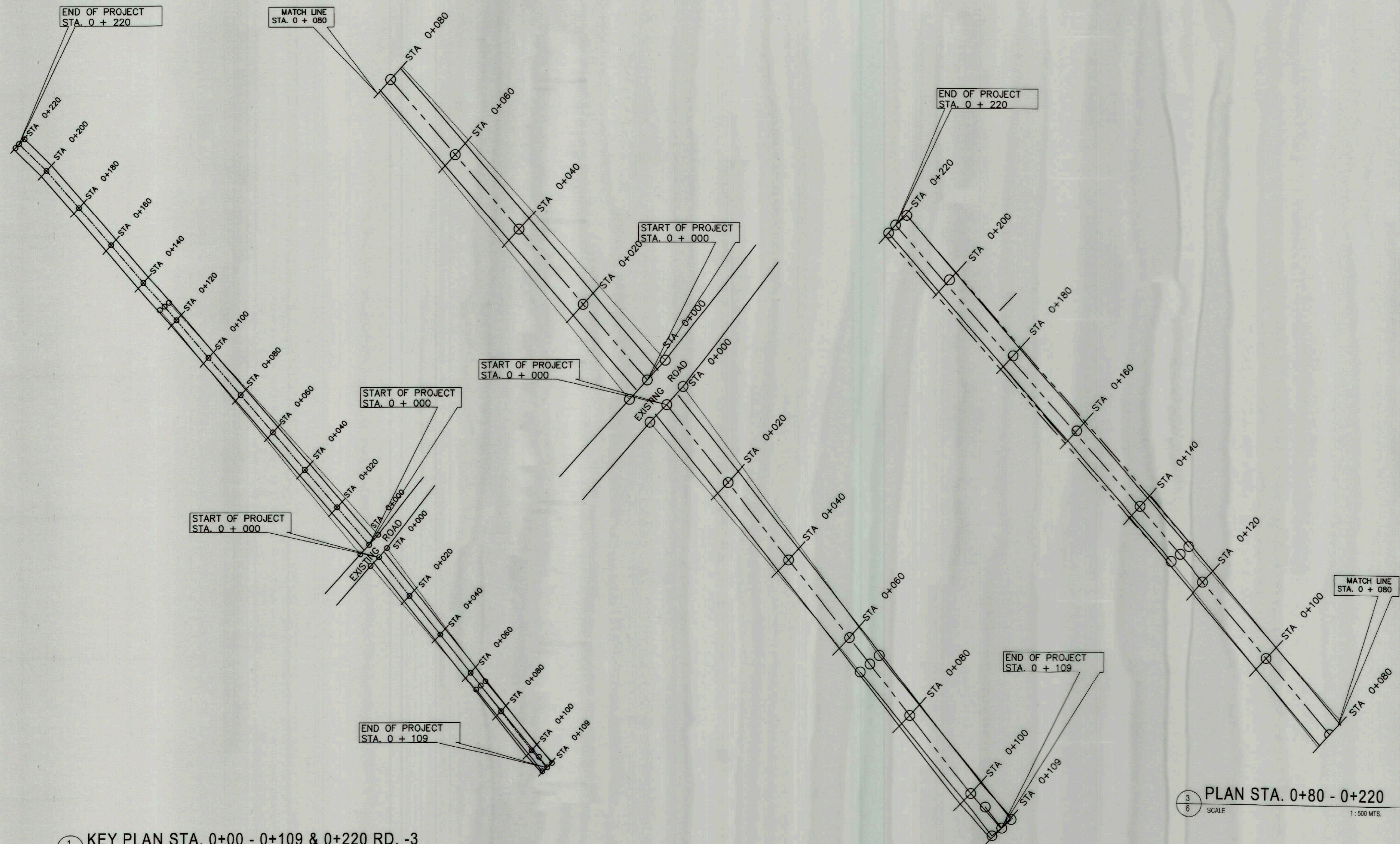


3 PLAN STA. 0+00 - 0+085
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ROAD - 2

TIEZA TOURISM INFRASTRUCTURE AND ENTERPRISE ZONE AUTHORITY		PROJECT EVALUATION AND PLANNING DEPARTMENT				RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	R.A. 9266	SHEET NO.
 6TH & 7TH FLR. TOWER 1 DOUBLE DRAGON PLAZA DOUBLE DRAGON MERIDIAN PARK, MACAPAGAL AVENUE CORNER EDSA EXTENSION BAY AREA PASAY CITY 1308		PROJECT TITLE/LOCATION		PREPARED BY:	CHECKED BY:	REVIEWED BY:				
		DEVELOPMENT OF SAN VICENTE FLAGSHIP TEZ LONG BEACH ACCESS ROAD PROJECT		ERVIN A. BOADO	RADY E. ADAME	JEFFREY L. MACALALAD	GREGORY A. OLLER	MARK T. LAPID	AS SHOWN	THIS DRAWING AS INSTRUMENT OF SERVICE IS A PROPERTY OF TIEZA. IT SHALL BE UNLAWFUL TO DUPLICATE OR TO MAKE COPIES OF THIS DOCUMENT WITHOUT THE CONSENT OF TIEZA.
		SAN VICENTE, PALAWAN		DRAWN BY: O.B. SAN JUAN DATE:	MANAGER PROJECT PLANNING & DESIGN DIVISION	MANAGER OIC PROJECT EVALUATION & PLANNING DEPARTMENT	ASSISTANT CHIEF OPERATING OFFICER Architectural & Engineering Services Sector	CHIEF OPERATING OFFICER	REVISIONS:	

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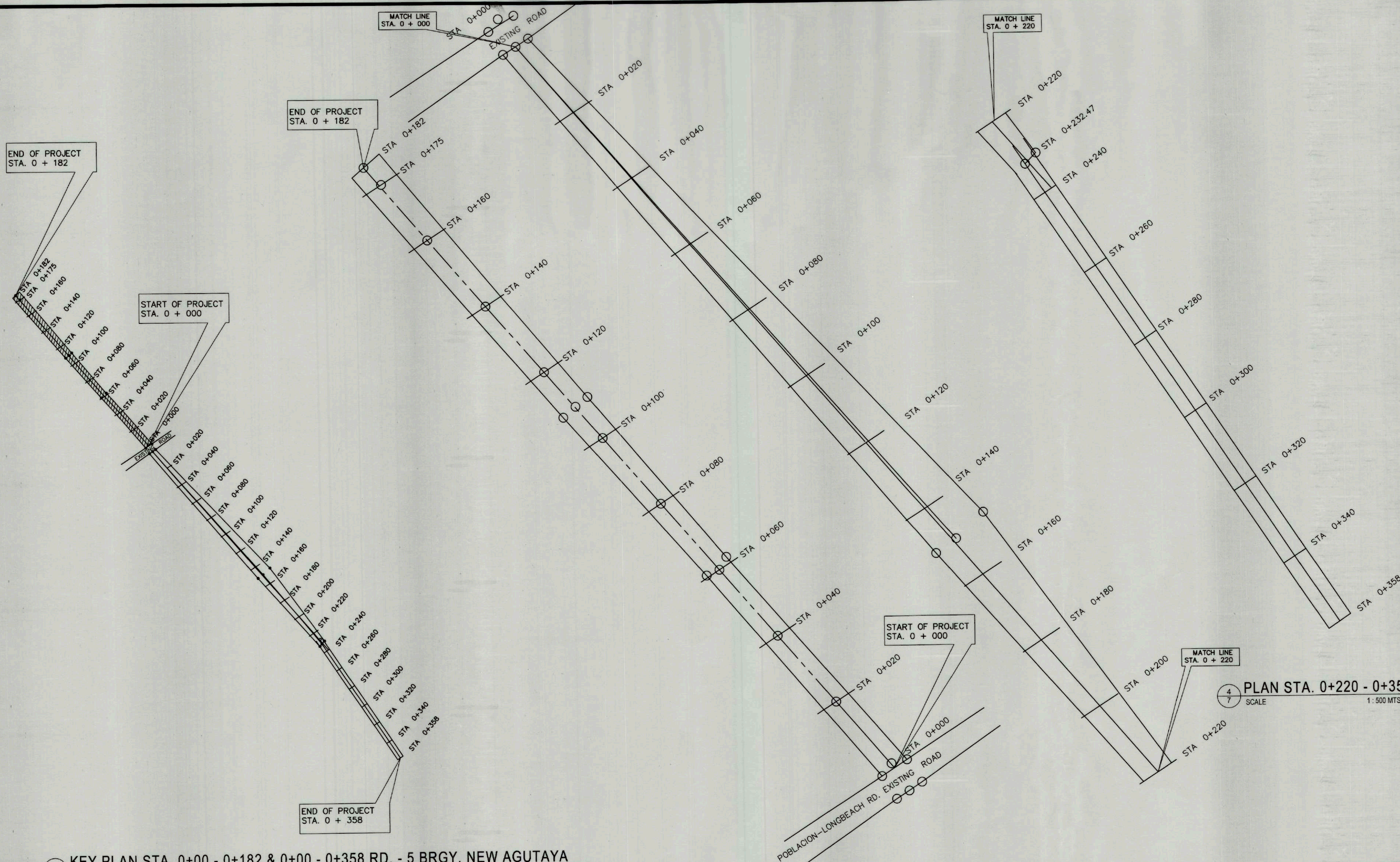
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SCALE
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3
6
SCALE
1:500 MTS.

ROAD - 3

TIEZA TOURISM INFRASTRUCTURE AND ENTERPRISE ZONE AUTHORITY		PROJECT EVALUATION AND PLANNING DEPARTMENT					ROAD - 3		
6TH & 7TH FLR, TOWER 1 DOUBLE DRAGON PLAZA DOUBLE DRAGON MERIDIAN PARK, MACAPAGAL AVENUE CORNER EDSA EXTENSION RAY AREA PASAY CITY 1308		PROJECT TITLE/LOCATION	PREPARED BY:	CHECKED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	R.A. 9266
DEVELOPMENT OF SAN VICENTE FLAGSHIP TEZ LONG BEACH ACCESS ROAD PROJECT SAN VICENTE, PALAWAN			ERVIN A. BOADO	RADY E. ADAME	JEFFREY L. MACALALAD	GREGORY A. OLLER	MARK T. LAPID	AS SHOWN	
		DRAWN BY: O.B. SAN JUAN	DATE:	MANAGER PROJECT PLANNING & DESIGN DIVISION	MANAGER OIC PROJECT EVALUATION & PLANNING DEPARTMENT	ASSISTANT CHIEF OPERATING OFFICER Architectural & Engineering Services Sector	CHIEF OPERATING OFFICER	REVISIONS:	
									6 18

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1 KEY PLAN STA. 0+00 - 0+182 & 0+00 - 0+358 RD. - 5 BRGY. NEW AGUTAYA
SCALE 1:2000 MTS.

2 PLAN STA. 0+00 - 0+182
SCALE 1:500 MTS.

3 PLAN STA. 0+00 - 0+358
SCALE 1:500 MTS.

ROAD - 5



TIEZA
TOURISM INFRASTRUCTURE
AND ENTERPRISE ZONE AUTHORITY
6TH & 7TH FLR. TOWER 1 DOUBLE DRAGON PLAZA
DOUBLE DRAGON MERIDIAN PARK, MACAPAGAL AVENUE
CORNER EDSA EXTENSION BAY AREA PASAY CITY 1308

PROJECT TITLE/LOCATION
**DEVELOPMENT OF SAN VICENTE
FLAGSHIP TEZ LONG BEACH
ACCESS ROAD PROJECT**
SAN VICENTE, PALAWAN

PROJECT EVALUATION AND PLANNING DEPARTMENT

PREPARED BY:
ERVIN A. BOADO
DRAWN BY: O.B. SAN JUAN
DATE:

CHECKED BY:
RADY E. ADAME
MANAGER
PROJECT PLANNING & DESIGN DIVISION

REVIEWED BY:
JEFFREY L. MACALALAD
MANAGER
OIC, PROJECT EVALUATION & PLANNING DEPARTMENT

RECOMMENDING APPROVAL:
GREGORY A. OLLER
ASSISTANT CHIEF OPERATING OFFICER
Architectural & Engineering Services Sector

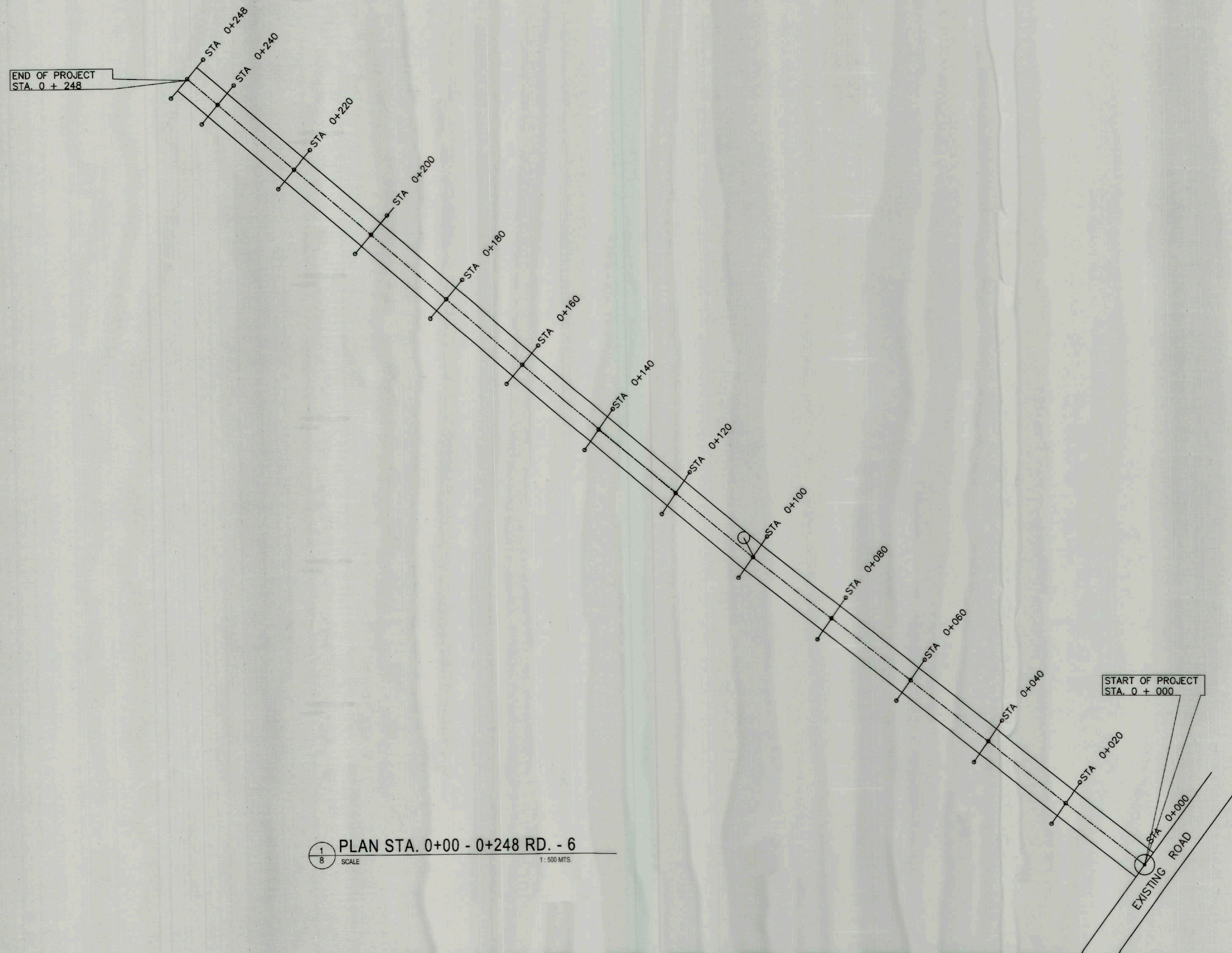
APPROVED BY:
MARK T. LAPID
CHIEF OPERATING OFFICER

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ROAD - 6



TIEZA
TOURISM INFRASTRUCTURE
AND ENTERPRISE ZONE AUTHORITY
6TH & 7TH FLR. TOWER 1 DOUBLE DRAGON PLAZA
DOUBLE DRAGON MERIDIAN PARK, MACAPAGAL AVENUE
CORNER EDSA EXTENSION BAY AREA PASAY CITY 1308

PROJECT TITLE/LOCATION

DEVELOPMENT OF SAN VICENTE
FLAGSHIP TEZ LONG BEACH
ACCESS ROAD PROJECT
SAN VICENTE, PALAWAN

PROJECT EVALUATION AND PLANNING DEPARTMENT

PREPARED BY:
ERVIN A. BOADO

DRAWN BY: O.B. SAN JUAN
DATE:

CHECKED BY:
RADY E. ADAME

MANAGER
PROJECT PLANNING & DESIGN DIVISION

REVIEWED BY:
JEFFREY L. MACALALAD

MANAGER
OIC, PROJECT EVALUATION & PLANNING DEPARTMENT

RECOMMENDING APPROVAL:

GREGORY A. OLLER

ASSISTANT CHIEF OPERATING OFFICER
Architectural & Engineering Services Section

APPROVED BY:

MARK T. LAPID

CHIEF OPERATING OFFICER

SHEET CONTENTS:

AS SHOWN

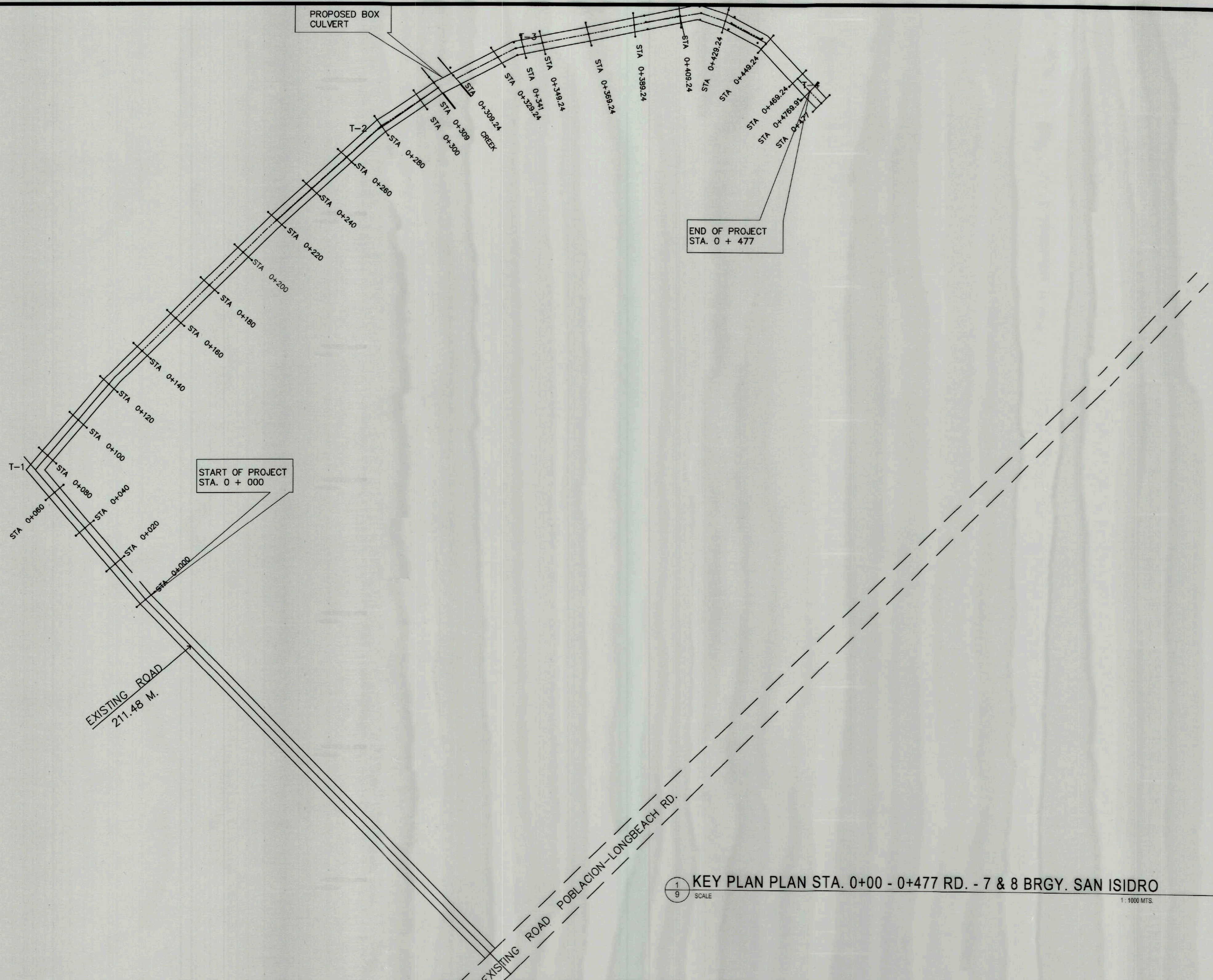
REVISIONS:

R.A. 9266

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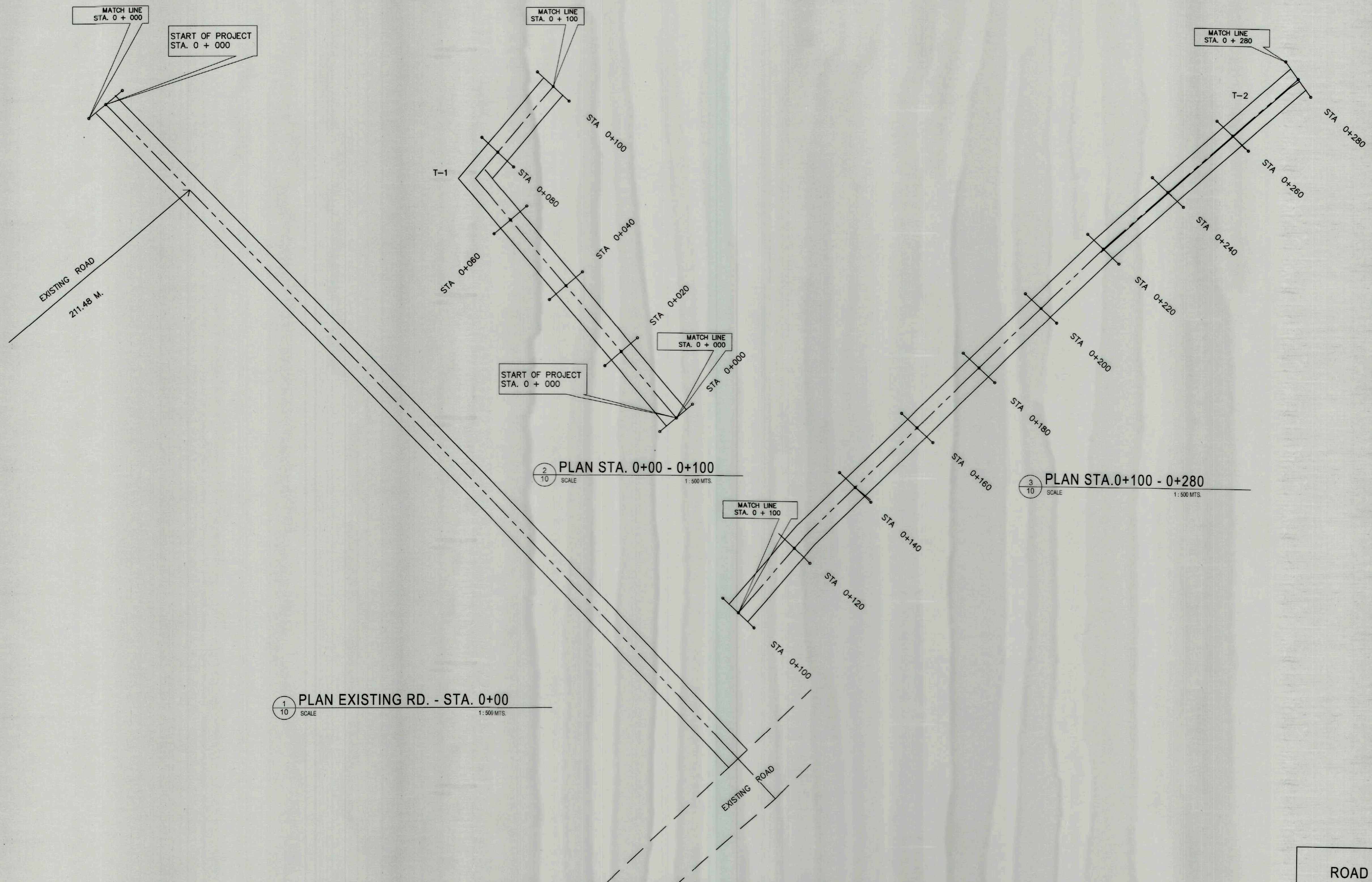
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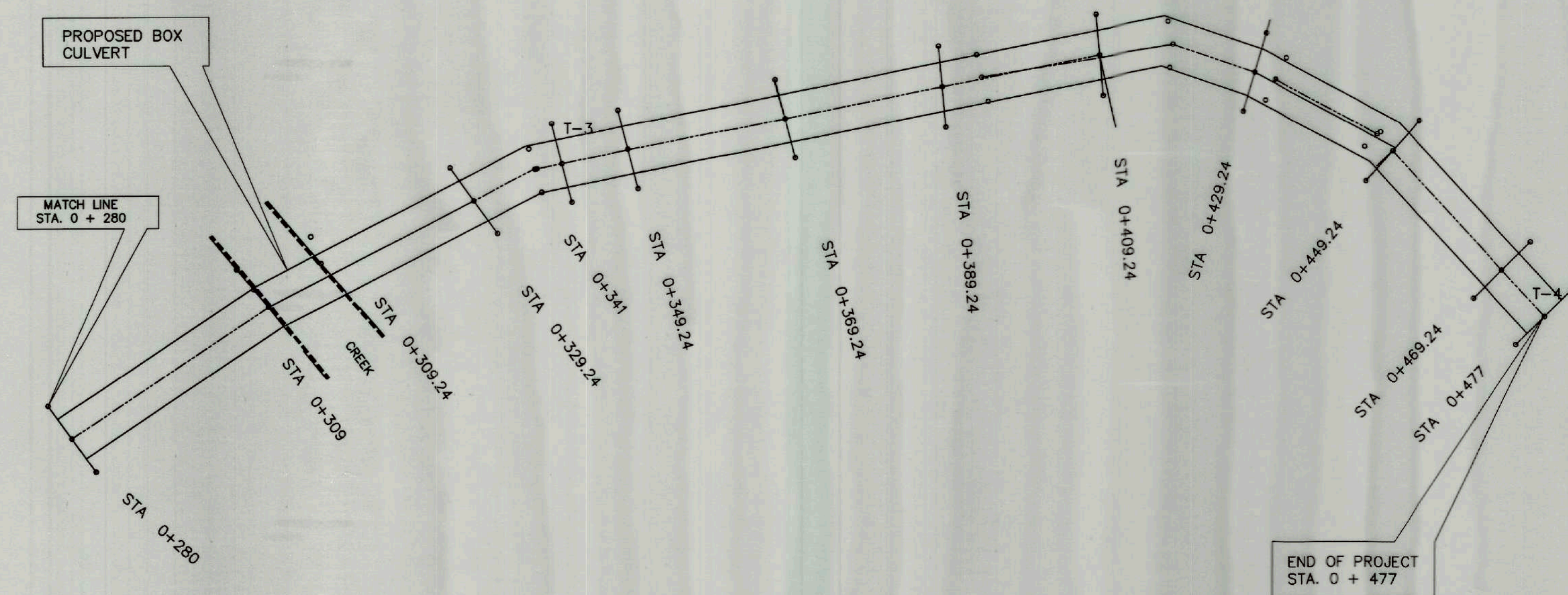
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9 SCALE KEY PLAN PLAN STA. 0+00 - 0+477 RD. - 7 & 8 BRGY. SAN ISIDRO
1:1000 MTS.

ROAD - 7 & 8	
R.A. 9266	SHEET NO.
9	18
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REVISIONS:	
CHIEF OPERATING OFFICER	GREGORY A. OLLER
MANAGER	JEFFREY L. MACALALAD
MANAGER	RADY E. ADAME
PREPARED BY:	ERVIN A. BOADO
DATE:	
PROJECT TITLE/LOCATION	
DEVELOPMENT OF SAN VICENTE FLAGSHIP TEZ LONG BEACH ACCESS ROAD PROJECT	
SAN VICENTE, PALAWAN	
PROJECT EVALUATION AND PLANNING DEPARTMENT	
RECOMMENDING APPROVAL:	
APPROVED BY:	
SHEET CONTENTS:	
AS SHOWN	
TIEZA	
TOURISM INFRASTRUCTURE AND ENTERPRISE ZONE AUTHORITY	
6TH & 7TH FLR. TOWER 1 DOUBLE DRAGON PLAZA	
DOUBLE DRAGON MERIDIAN PARK, MACAPAGAL AVENUE	
CORNER EDSA EXTENSION BAY AREA PASAY CITY 1308	

R4B-23-08



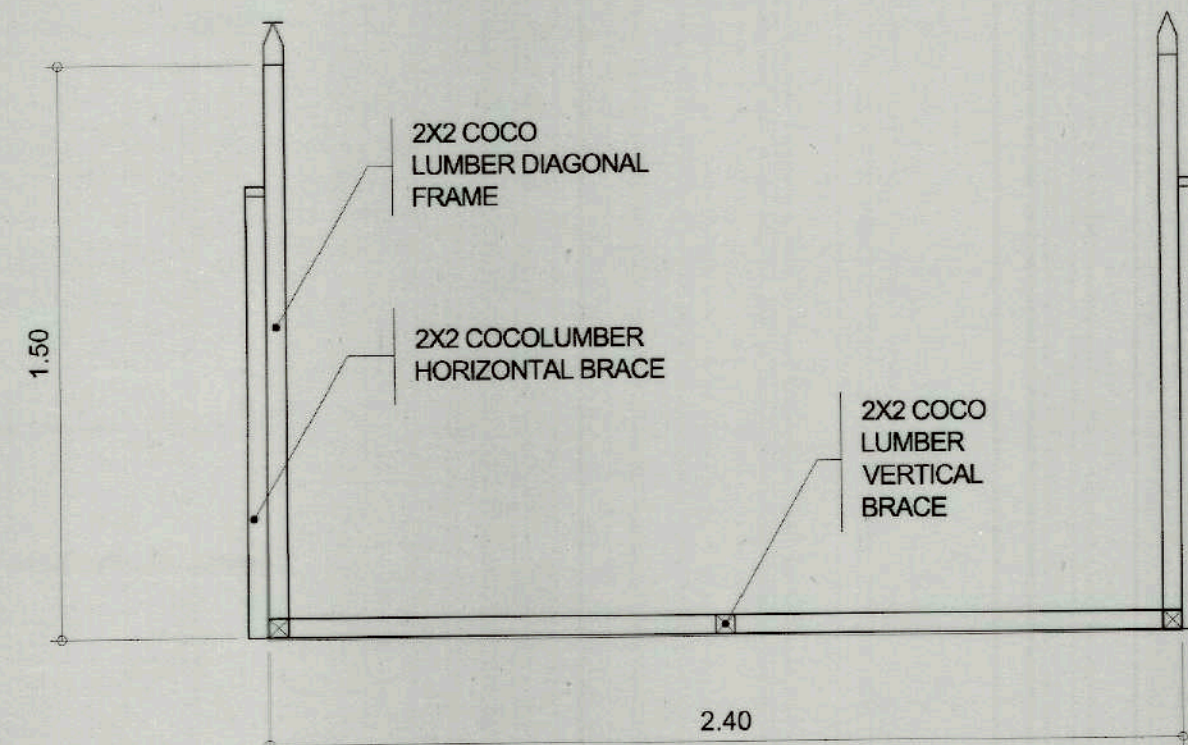
ROAD - 7 & 8	
 TIEZA TOURISM INFRASTRUCTURE AND ENTERPRISE ZONE AUTHORITY 6TH & 7TH FLR. TOWER 1 DOUBLE DRAGON PLAZA DOUBLE DRAGON MERIDIAN PARK, MACAPAGAL AVENUE CORNER EDSA EXTENSION BAY AREA PASAY CITY 1308	PROJECT TITLE/LOCATION DEVELOPMENT OF SAN VICENTE FLAGSHIP TEZ LONG BEACH ACCESS ROAD PROJECT SAN VICENTE, PALAWAN
PROJECT EVALUATION AND PLANNING DEPARTMENT PREPARED BY: <i>[Signature]</i> ERVIN A. BOADO CHECKED BY: <i>[Signature]</i> RADY E. ADAME REVIEWED BY: <i>[Signature]</i> JEFFREY L. MACALALAD DRAWN BY: O.B. SAN JUAN DATE:	RECOMMENDING APPROVAL: <i>[Signature]</i> GREGORY A. OLLER ASSISTANT CHIEF OPERATING OFFICER Architectural & Engineering Services Sector APPROVED BY: <i>[Signature]</i> MARK T. LAPID CHIEF OPERATING OFFICER SHEET CONTENTS: AS SHOWN REVISIONS:
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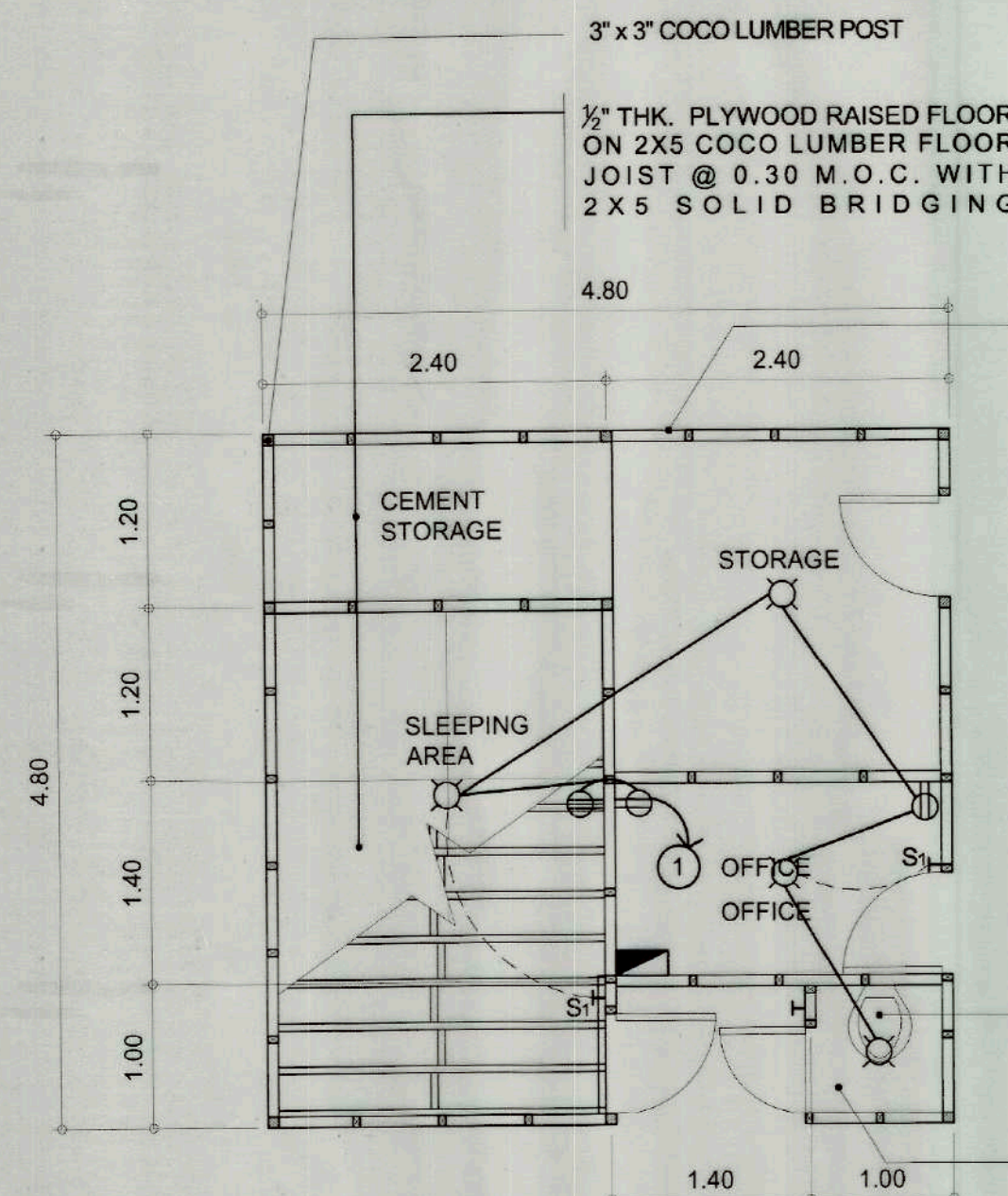
1 PLAN STA. 0+280 - 0+477
11 SCALE 1:500 MTS.

ROAD - 7 & 8

PROJECT EVALUATION AND PLANNING DEPARTMENT								R.A. 9266	SHEET NO.
 TIEZA TOURISM INFRASTRUCTURE AND ENTERPRISE ZONE AUTHORITY 6TH & 7TH FLR. TOWER 1 DOUBLE DRAGON PLAZA DOUBLE DRAGON MERIDIAN PARK, MACAPAGAL AVENUE CORNER EDSA EXTENSION BAY AREA PASAY CITY 1308	PROJECT TITLE/LOCATION DEVELOPMENT OF SAN VICENTE FLAGSHIP TEZ LONG BEACH ACCESS ROAD PROJECT SAN VICENTE, PALAWAN	PREPARED BY:	CHECKED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	THIS DRAWING AS INSTRUMENT OF SERVICE IS A PROPERTY OF TIEZA. IT SHALL BE UNLAWFUL TO DUPLICATE OR TO MAKE COPIES OF THIS DOCUMENT WITHOUT THE CONSENT OF TIEZA.	11 18
		ERVIN A. BOADO	RADY E. ADAME	JEFFREY L. MACALALAD	GREGORY A. OLLER	MARK T. LAPID	AS SHOWN		
		DRAWN BY: O.B. SAN JUAN DATE:	MANAGER PROJECT PLANNING & DESIGN DIVISION	MANAGER OIC, PROJECT EVALUATION & PLANNING DEPARTMENT	ASSISTANT CHIEF OPERATING OFFICER Architectural & Engineering Services Sector	CHIEF OPERATING OFFICER	REVISIONS:		



PLAN



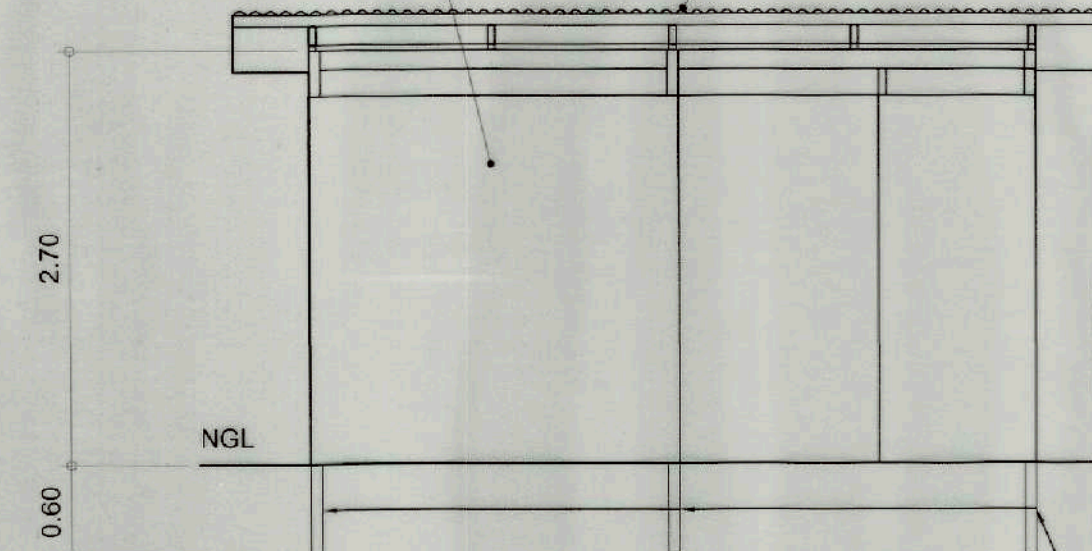
FLOOR PLAN

- LEGEND:
- NO. 12 TW WIRE FOR MAIN LINE
 - NO. 14 TW WIRE FOR SWITCH
 - SAFETY SWITCH 30A
 - 25W CFL BULB
 - ONE GANG SWITCH
 - CONVENIENCE OUTLET

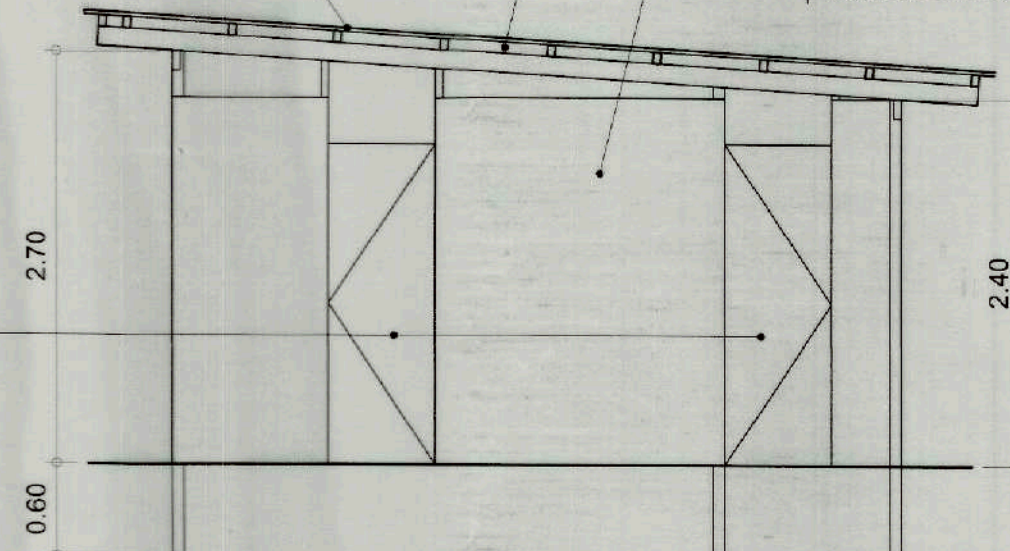
1/4" THK PLYWOOD ON 2X3 COCO LUMBER WALL STUDS @ 0.60 M.O.C. BOTH WAYS

#26 CORR. G.I. SHEETS ON 2X3 COCO LUMBER PURLINS @ 0.70 M.O.C.

2X5 COCO LUMBER RAFTERS
1/4" THK PLYWOOD ON 2X3 COCO LUMBER WALL STUDS @ 0.60 M.O.C. BOTH WAYS

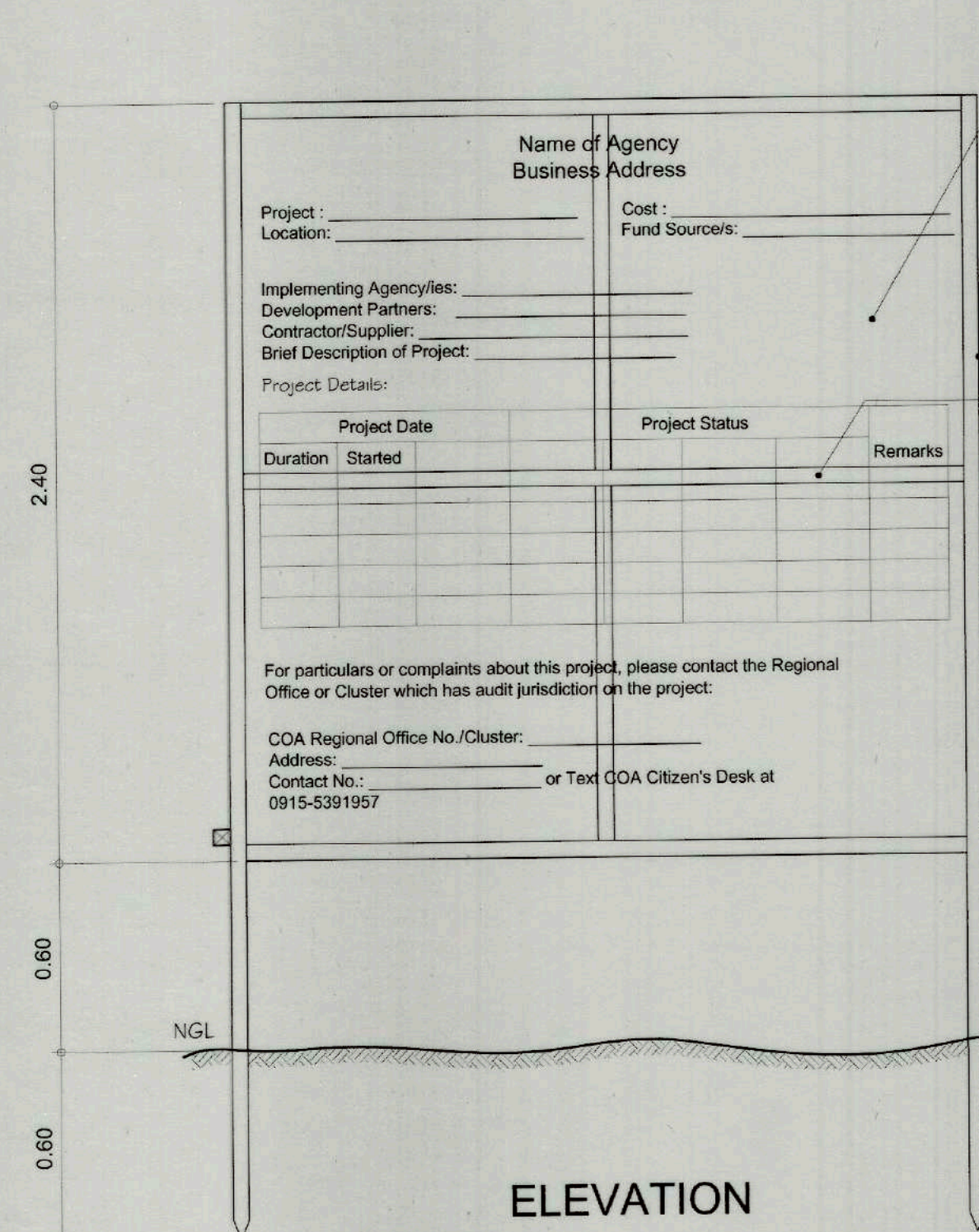


FRONT ELEVATION



RIGHT-SIDE ELEVATION

C
A 14
TEMPORARY BARRACKS
SCALE
1:50M



ELEVATION

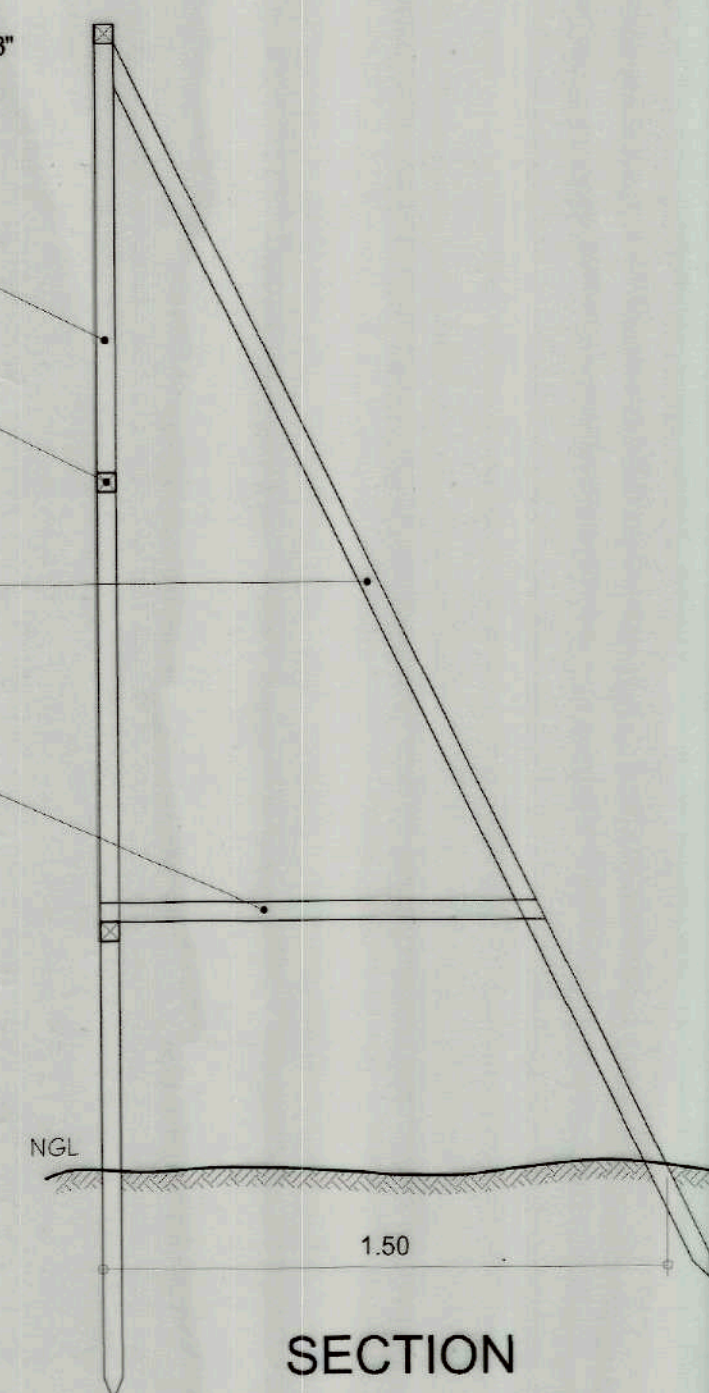
TARPAULIN, WHITE, 8X8 FT.
RESOLUTION: 70 dpi
FONT: HELVETICA
FONT SIZE: MAIN INFORMATION - 3"
SUB-INFORMATION - 1"
FONT COLOR: BLACK

2X2 COCO LUMBER VERTICAL POST

2X2 COCO LUMBER HORIZONTAL BRACE

2X2 COCO LUMBER DIAGONAL FRAME

2 X 2 COCO LUMBER HORIZONTAL SUPPORT



SECTION

A
A 14
SIGNAGE
SCALE
1:50M



TIEZA
TOURISM INFRASTRUCTURE
AND ENTERPRISE ZONE AUTHORITY
6TH & 7TH FLR. TOWER 1 DOUBLE DRAGON PLAZA
DOUBLE DRAGON MERIDIAN PARK, MACAPAGAL AVENUE
CORNER EDSA EXTENSION BAY AREA PASAY CITY 1308

PROJECT TITLE/LOCATION
**DEVELOPMENT OF SAN VICENTE
FLAGSHIP TEZ LONG BEACH
ACCESS ROAD PROJECT**
SAN VICENTE, PALAWAN

PROJECT EVALUATION AND PLANNING DEPARTMENT

PREPARED BY: **ODONIL B. SAN JUAN**
CHECKED BY: **RADY E. ADAME**
REVIEWED BY: **JEFFREY L. MACALALAD**
DRAWN BY: **O.B. SAN JUAN**
DATE: _____
MANAGER
PROJECT PLANNING & DESIGN DIVISION
MANAGER
OIC PROJECT EVALUATION & PLANNING DEPARTMENT

RECOMMENDING APPROVAL:

GREGORY A. OLLER
ASSISTANT CHIEF OPERATING OFFICER
Architectural & Engineering Services Sector

APPROVED BY:

MARK T. LAPID
CHIEF OPERATING OFFICER

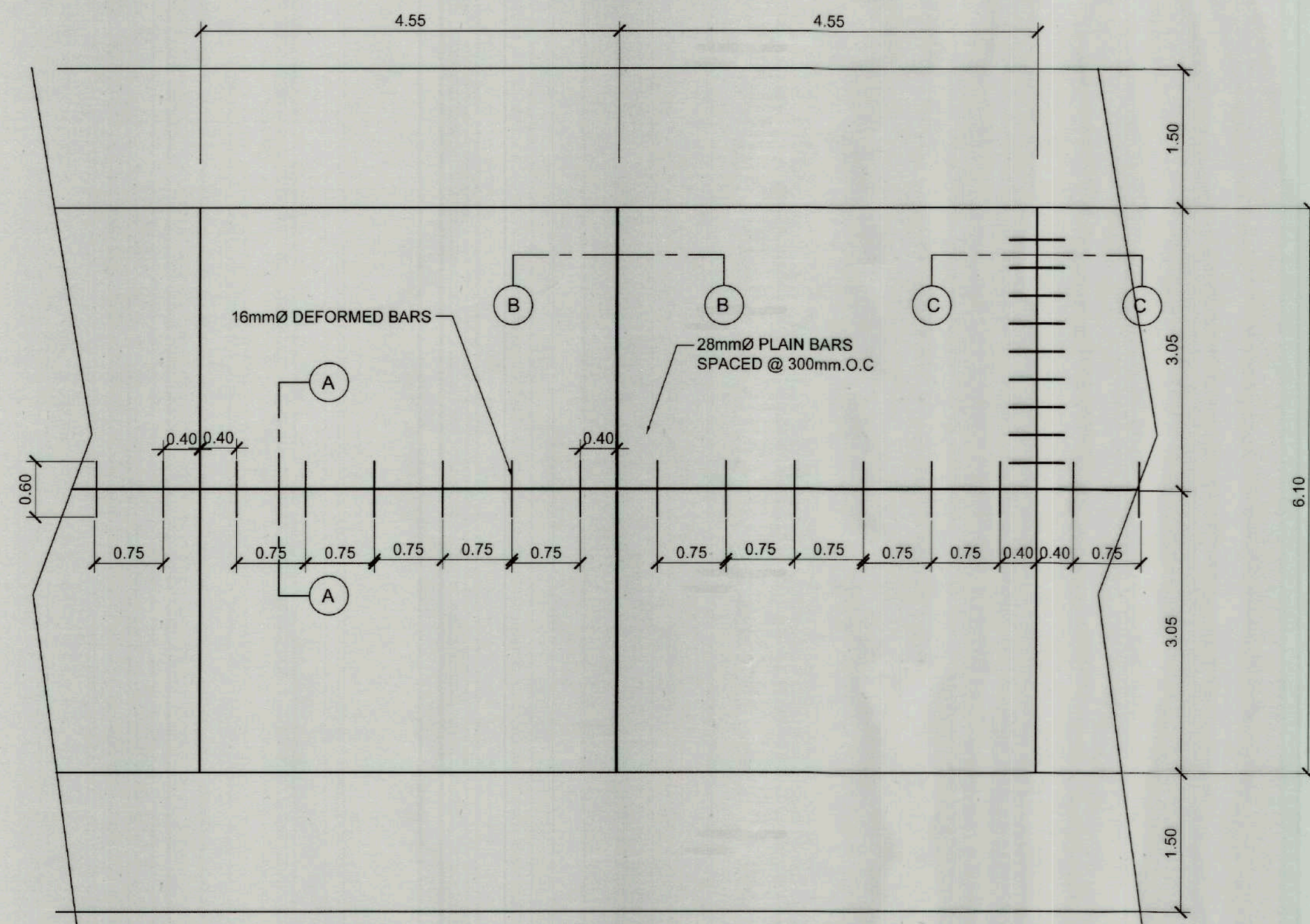
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AS SHOWN

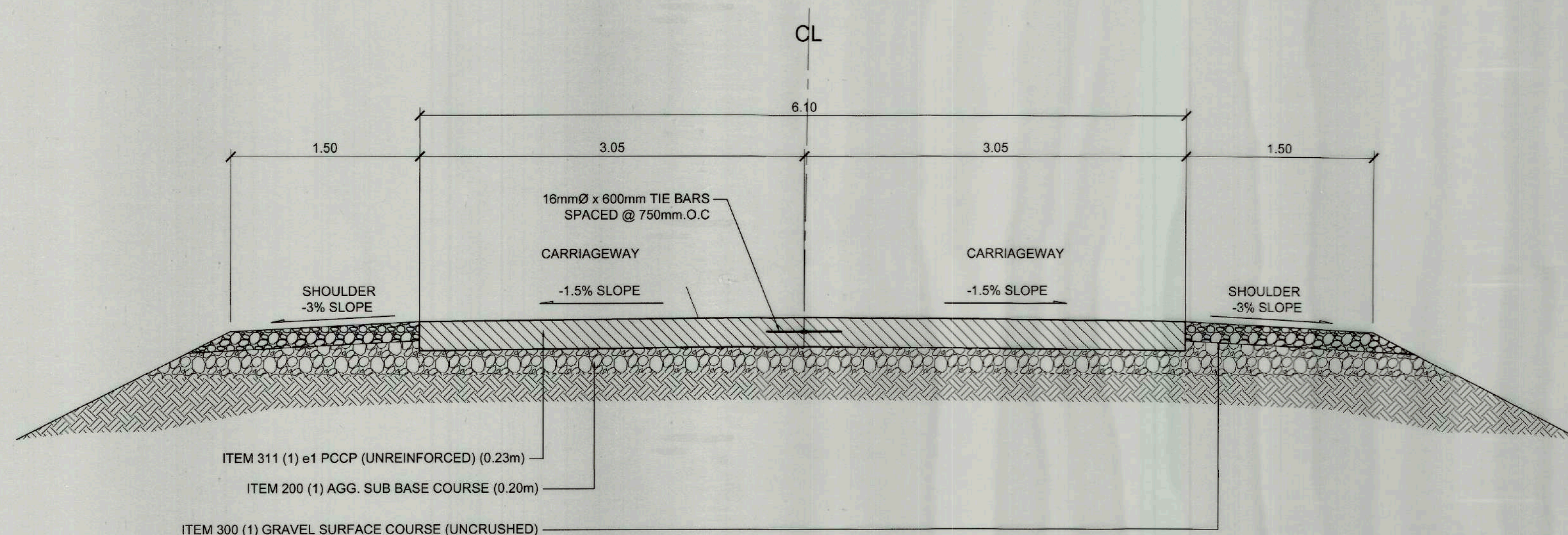
R.A. 9266

SHEET NO.

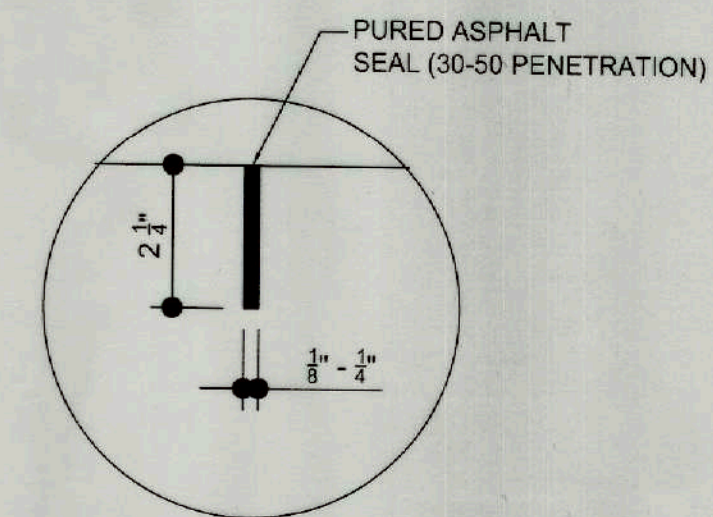
TF-1
18



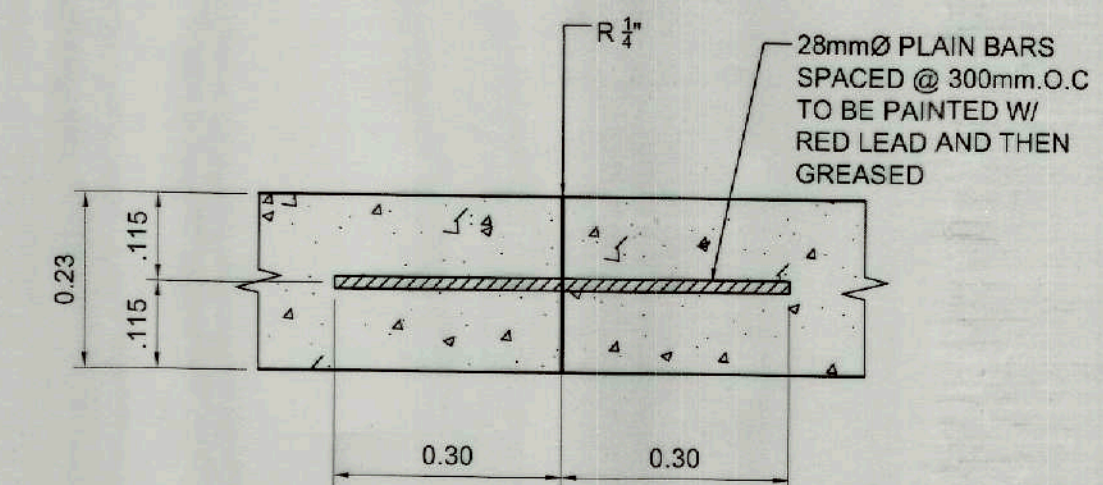
1 TYPICAL ROAD PLAN
S-1 SCALE 1: 50 MTS.



2 TYPICAL ROAD SECTION
S-1 SCALE 1: 30 MTS.

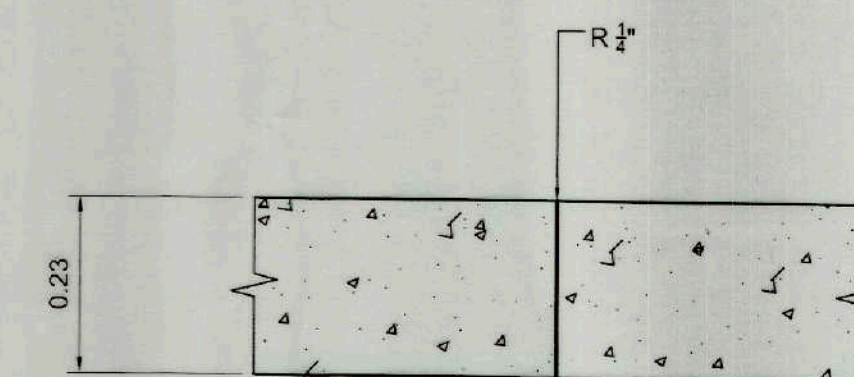


6 SAWED GROOVE TYPE
S-1 NTS

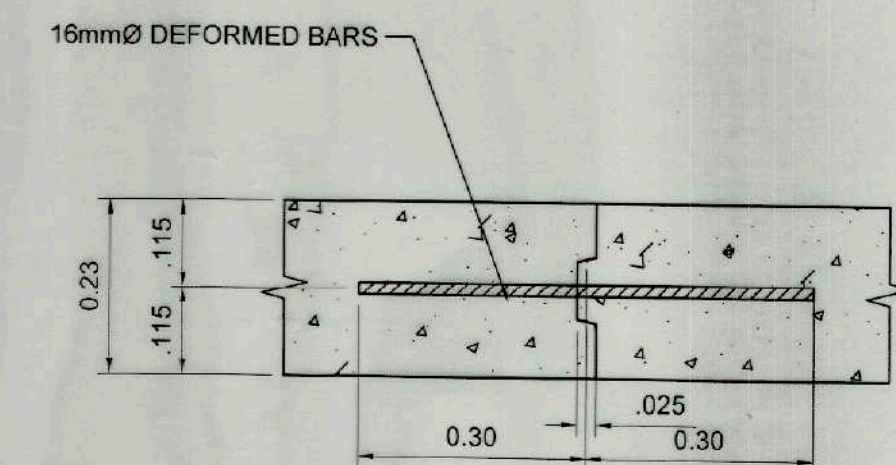


SECTION C - C
TRANVERSE CONSTRUCTION JOINT/WEAKENED JOINT
(TO BE PLACED ONLY AT LOCATION WEAKENED PLANE JOINT)

5
S-1 NTS



4 SECTION B-B'
S-1 NTS



SECTION A-A
LONGITUDINAL CONSTRUCTION OR CONTACT JOINT
(TO BE USED FOR FULL WIDTH OR SIMULTANEOUS CONSTRUCTION OF TWO OR MORE LANES)

3
S-1 NTS



TIEZA
TOURISM INFRASTRUCTURE
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CHECKED BY: RADY E. ADAME
REVIEWED BY: GEOFFREY L. MACALALAD
DRAWN BY: O.B. SAN JUAN
DATE: _____
MANAGER
PROJECT PLANNING & DESIGN DIVISION
MANAGER
CIC PROJECT EVALUATION & PLANNING DEPARTMENT

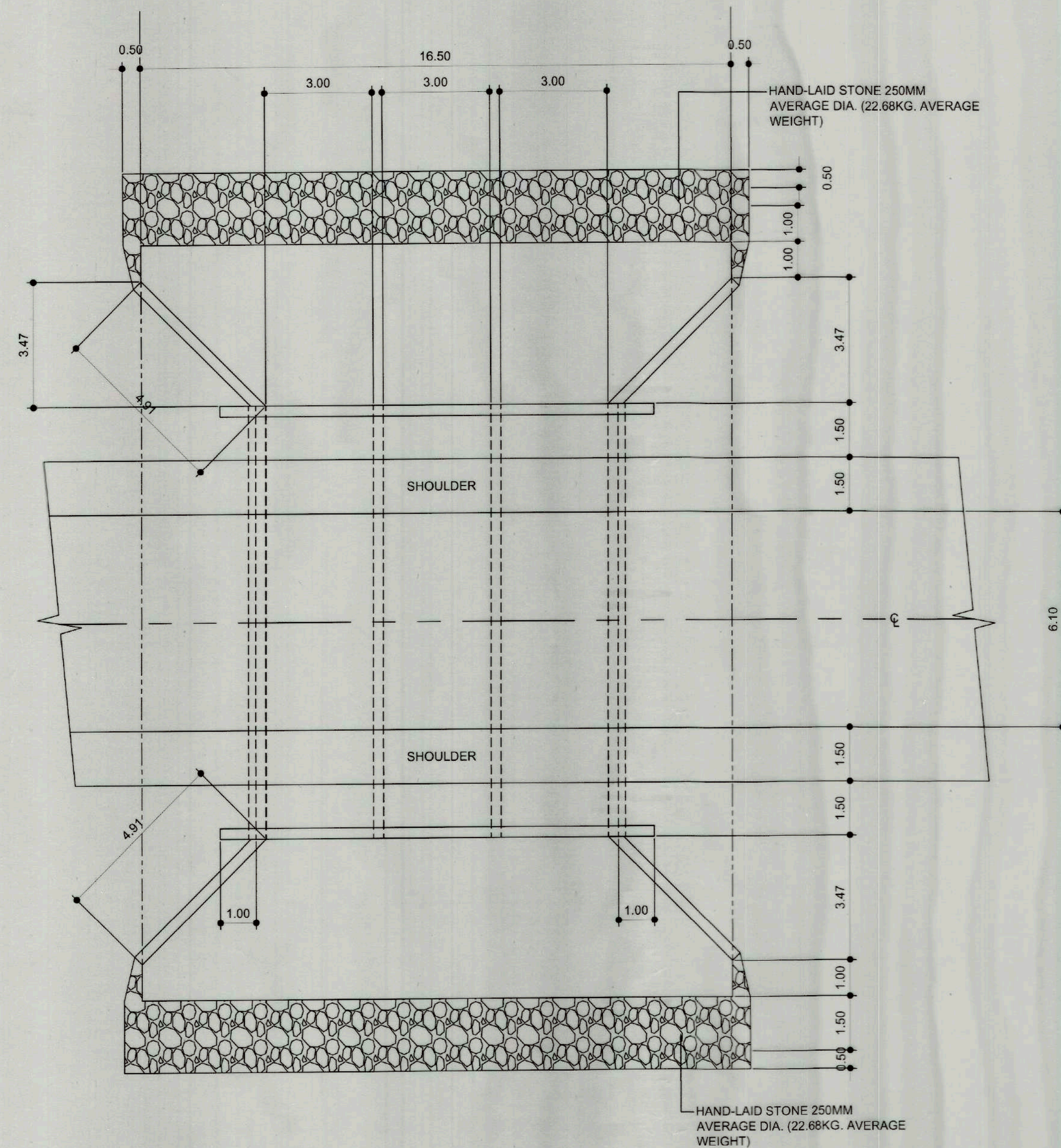
RECOMMENDING APPROVAL:
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ASSISTANT CHIEF OPERATING OFFICER
Architectural & Engineering Services Sector

APPROVED BY:
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CHIEF OPERATING OFFICER

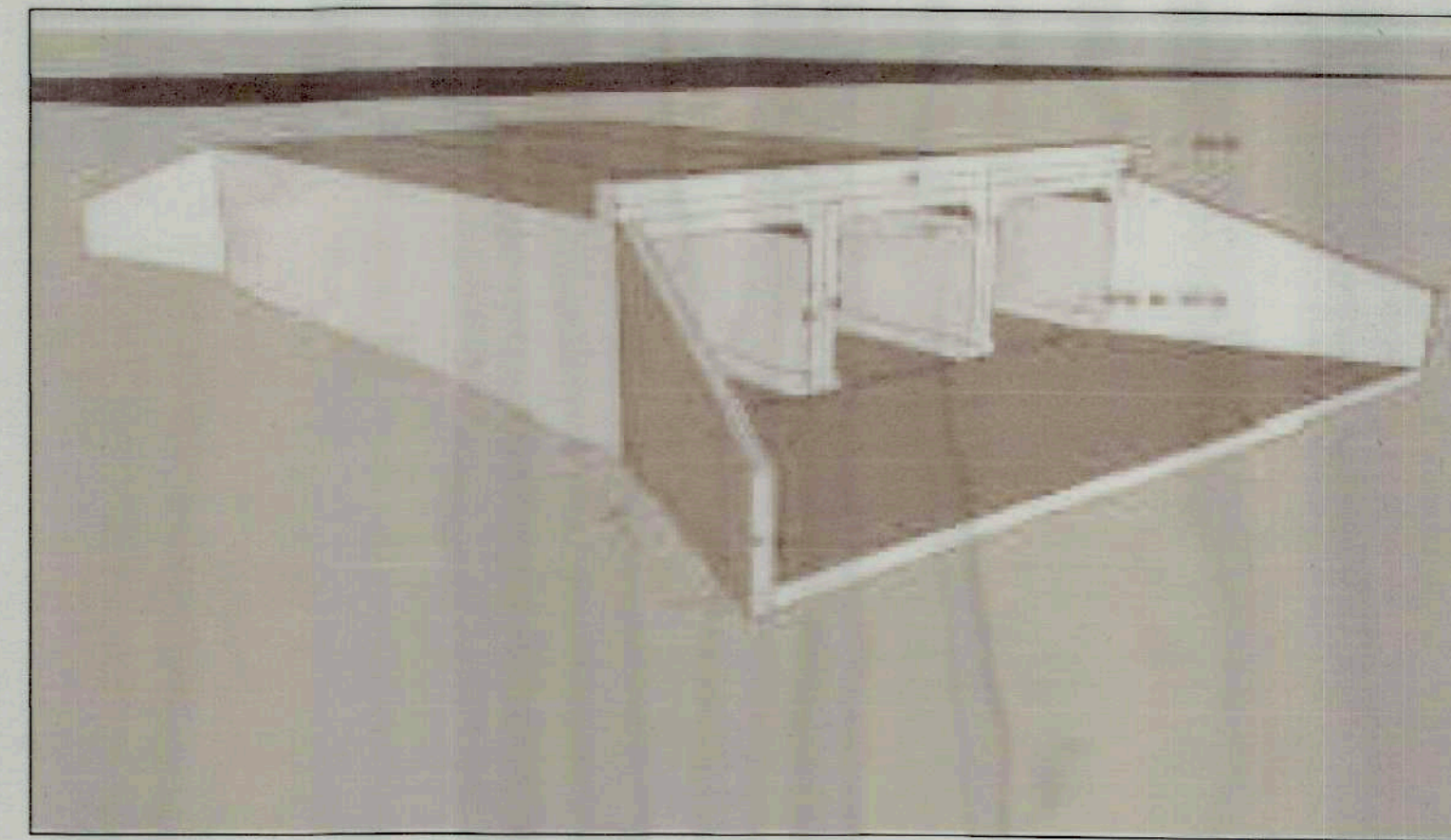
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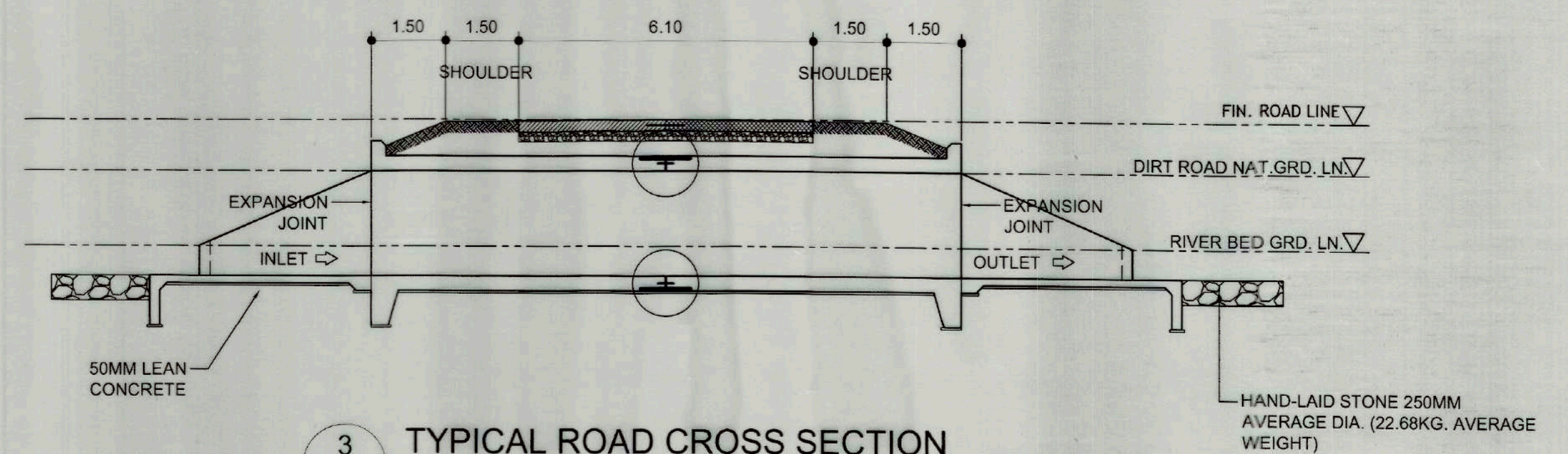
SHEET NO.
S-1
18



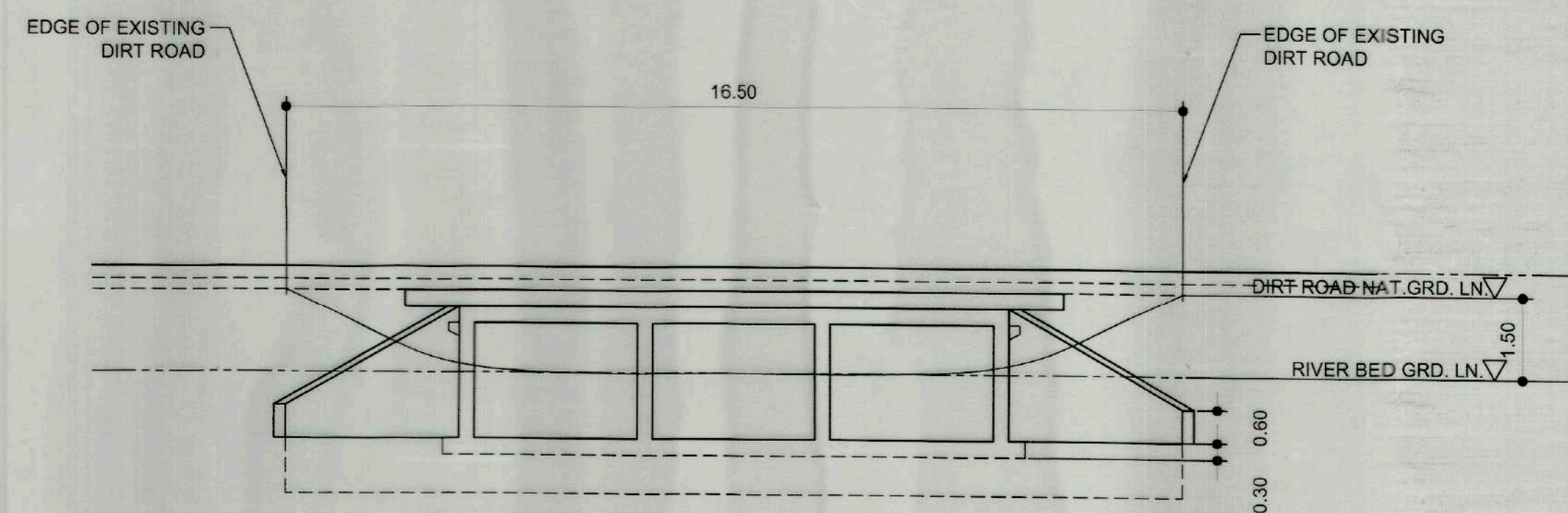
1 BOX CULVERT PLAN
S 2 SCALE 1:100 MTS.



4 PERSPECTIVE
S 2



3 TYPICAL ROAD CROSS SECTION
S 2 SCALE 1:100 MTS.



2 TYPICAL SIDE ELEVATION
S 2 SCALE 1:100 MTS.



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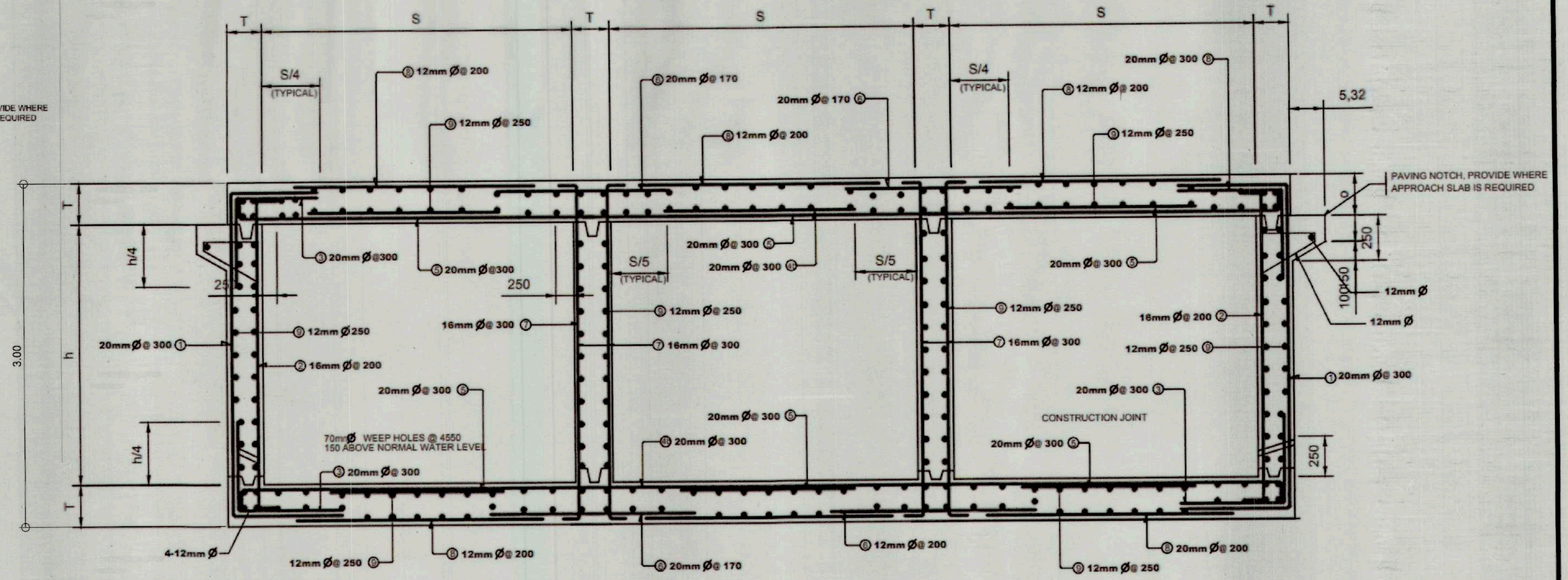
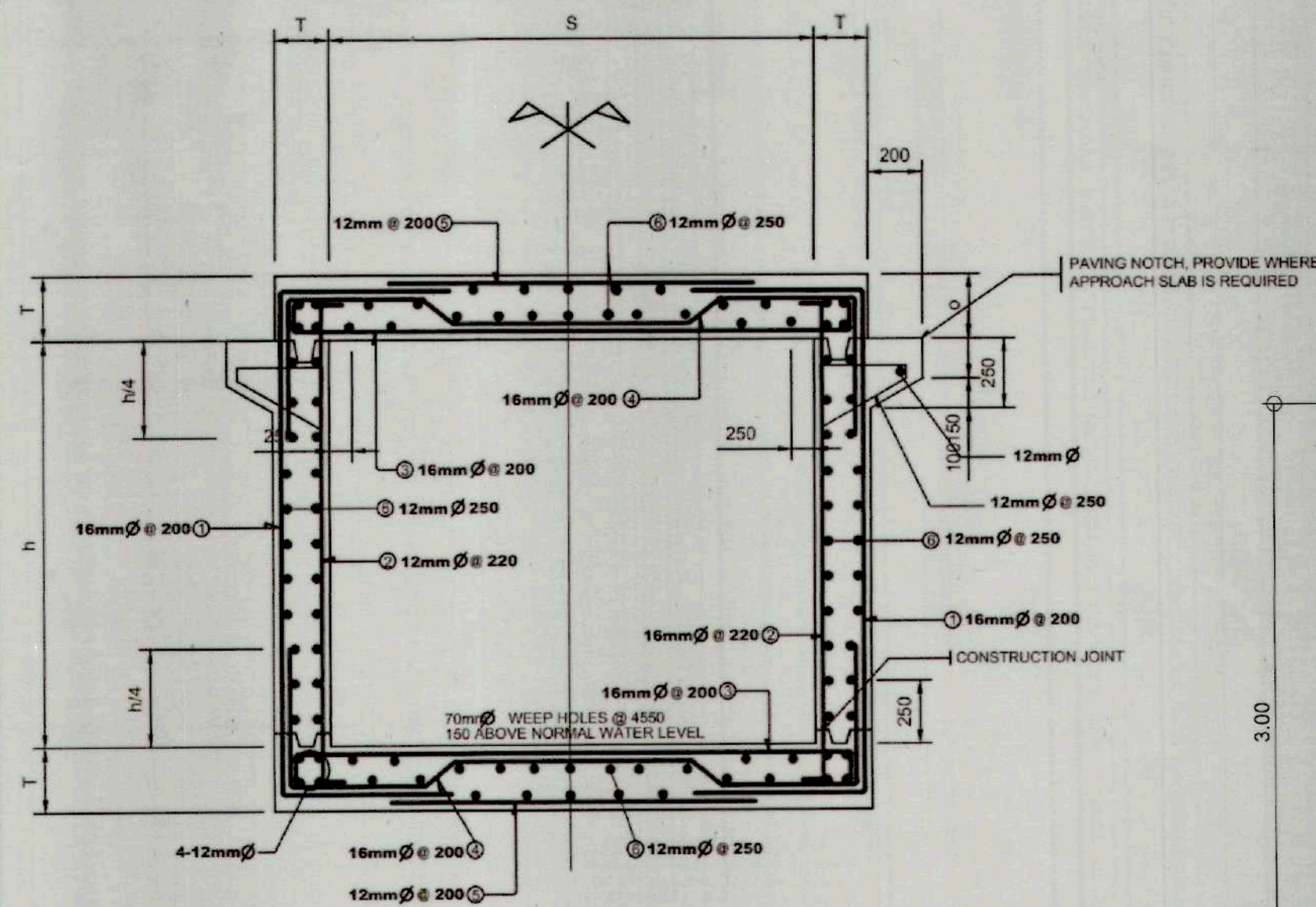
APPROVED BY:
MARK T. LAPID

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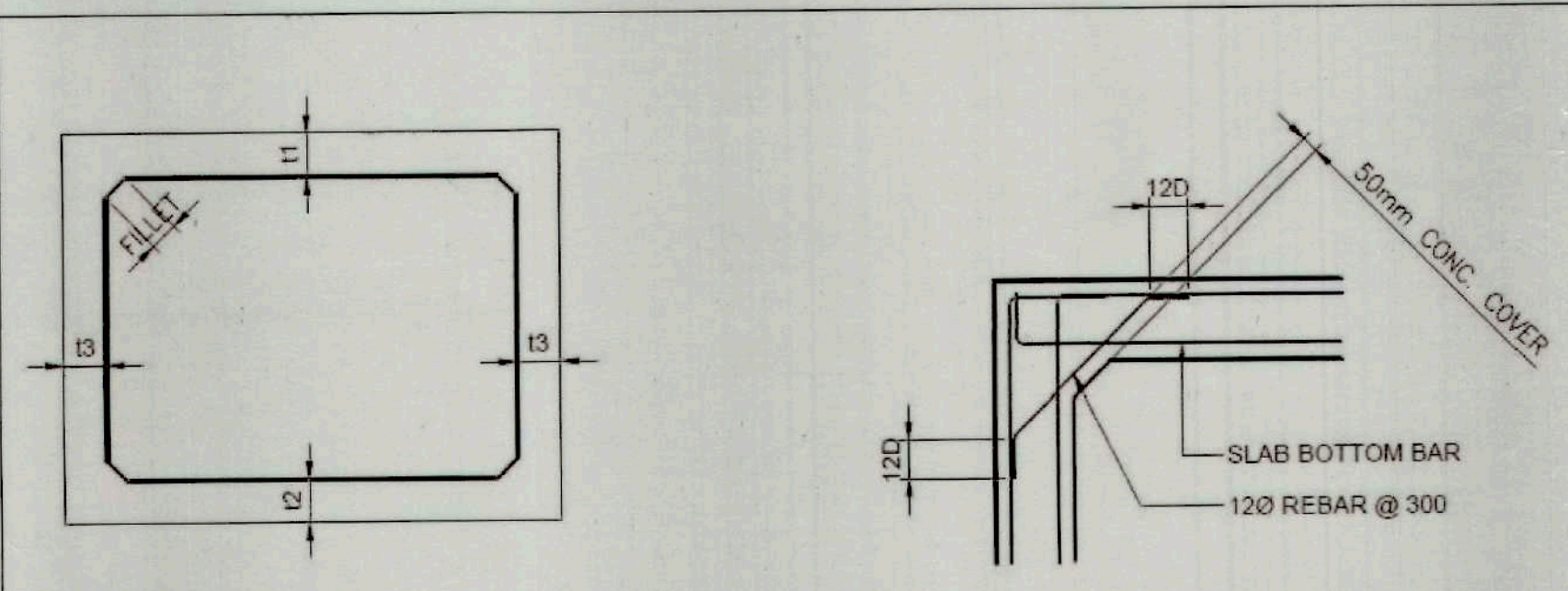
SHEET NO.
S-2
18

RUB-23-08



1 TRIPLE BARREL SECTION
DS-02 NOT TO SCALE

CLEAR		SINGLE BARELL BOX CULVERT										DOUBLE AND TRIPPLE BARELL BOX CULVERT									
SPAN	HEIGHT	t	BAR 1	BAR 2	BAR 3	BAR 4	BAR 5	BAR 6	t	BAR 1	BAR 2	BAR 3	BAR 4	BAR 5	BAR 6	BAR 7	BAR 8	BAR 9			
S	h		Ø	SPACING	Ø	SPACING	Ø	SPACING	Ø	SPACING	Ø	SPACING	Ø	SPACING	Ø	SPACING	Ø	SPACING	Ø	SPACING	Ø
3000	3000	280	16	200	16	220	16	200	16	200	12	200	12	250	300	20	300	16	200	12	250



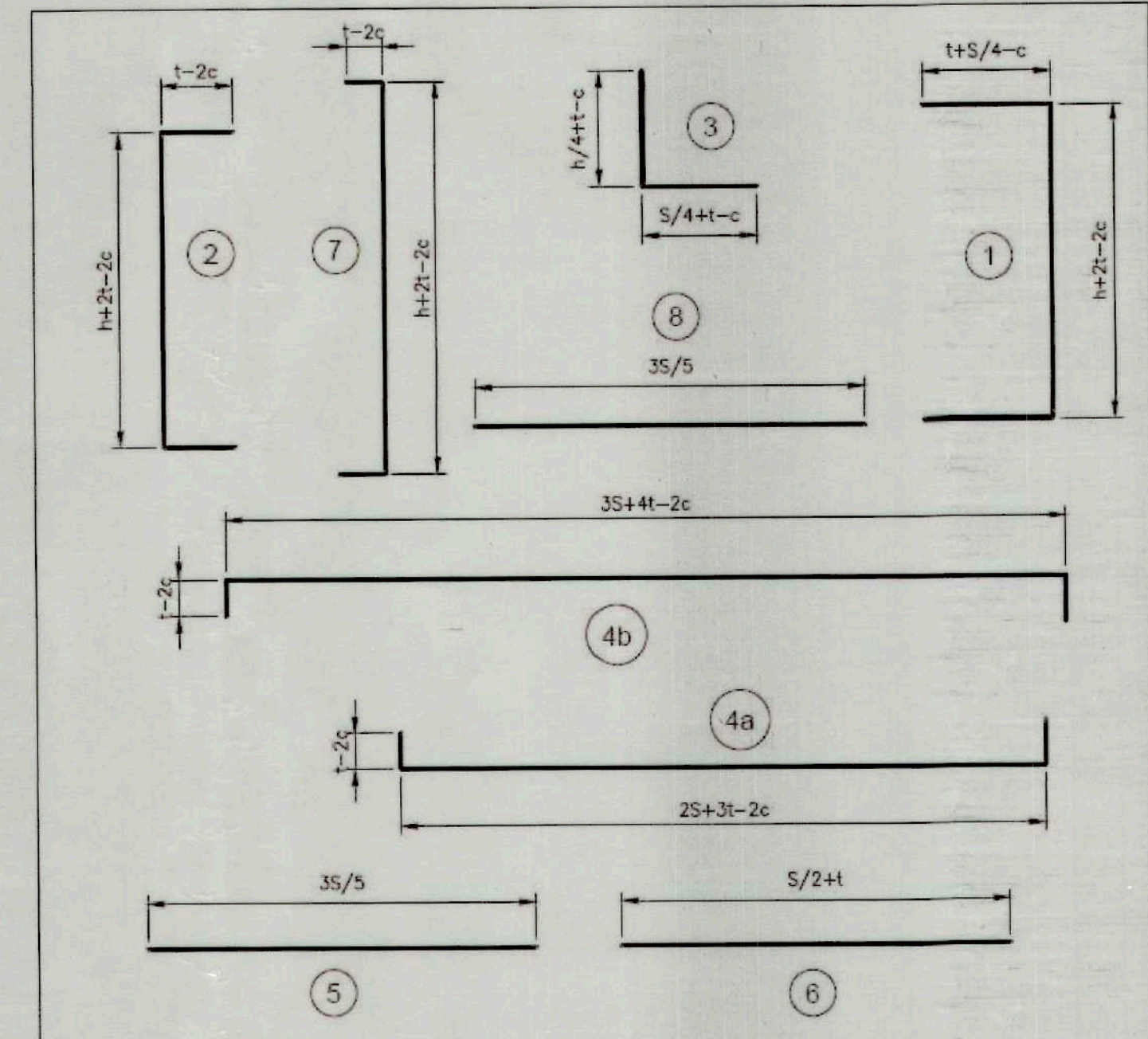
RCBC FILLET DETAIL

LEGEND:

NOTE:
FOR WALL THICKNESS LESS THAN 240,
STAGGER HORIZONTAL REINFORCEMENT
AS SHOWN.

c □ CONCRETE CLEAR COVER (40mm)
○---○ ADDITIONAL REBARS IF FILL IS LESS THAN 600mm

t	FILLET
t1, t2 & t3 50c >=	20c
t1, t2 & t3 30c > 50c <	15c
t1, t2 & t3 30c <	10c



BAR DIAGRAMS - DOUBLE & TRIPLE BARREL

TIEZA TOURISM INFRASTRUCTURE AND ENTERPRISE ZONE AUTHORITY 6TH & 7TH FLR. TOWER 1 DOUBLE DRAGON PLAZA DOUBLE DRAGON MERIDIAN PARK, MACAPAGAL AVENUE CORNER EDSA EXTENSION BAY AREA PASAY CITY 1308	PROJECT TITLE/LOCATION	PROJECT EVALUATION AND PLANNING DEPARTMENT			RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	R.A. 9266	SHEET NO.
	DEVELOPMENT OF SAN VICENTE FLAGSHIP TEZ LONG BEACH ACCESS ROAD PROJECT SAN VICENTE, PALAWAN	PREPARED BY: JOSEPH S. QUIBAN	CHECKED BY: RADY E. ADAME	REVIEWED BY: JEFFREY L. MACALALAD	GREGORY A. OLLER	MARK T. LAPID	AS SHOWN	THIS DRAWING AS INSTRUMENT OF SERVICE IS A PROPERTY OF TIEZA. IT SHALL BE UNLAWFUL TO DUPLICATE OR TO MAKE COPIES OF THIS DOCUMENT WITHOUT THE CONSENT OF TIEZA.	S-4 18
	DRAWN BY: O.B. SAN JUAN DATE:	MANAGER PROJECT PLANNING & DESIGN DIVISION	MANAGER OIC PROJECT EVALUATION & PLANNING DEPARTMENT	ASSISTANT CHIEF OPERATING OFFICER Architecture & Engineering Services Sector	CHIEF OPERATING OFFICER	REVISIONS:			

R4B-23-00

QUANTITIES FOR STANDARD BOX CULVERTS							
CLEAR		QUANTITY PER METER OF BARREL					
SPAN S	HEIGHT □	SINGLE		DOUBLE		TRIPLE	
		CONCRETE (C#)	REINFORCEMENT (R#)	CONCRETE (C#)	REINFORCEMENT (R#)	CONCRETE (C#)	REINFORCEMENT (R#)
1250	1000	0.94	113.32	1.63	209.22	2.33	298.18
	1250	1.03	121.63	1.77	216.22	2.51	312.39
	1500	1.12	130.98	1.90	232.07	2.69	330.39
	1800	1.23	141.71	2.07	249.50	2.91	352.09
1500	1000	1.03	165.90	2.04	253.90	2.92	354.80
	1250	1.12	177.10	2.19	266.00	3.12	370.20
	1500	1.21	189.60	2.34	279.60	3.32	387.10
	1800	1.32	202.50	2.52	296.20	3.56	407.10
1800	1250	1.38	189.20	3.11	312.30	4.45	437.00
	1500	1.48	199.90	3.30	326.10	4.70	454.00
	1800	1.60	214.80	3.53	342.80	5.00	475.20
	2100	1.72	239.60	3.75	367.50	5.30	494.40
2400	1800	2.04	272.70	5.04	431.80	7.20	619.10
	2100	2.17	288.50	5.31	447.30	7.56	637.10
	2400	2.31	314.10	5.58	461.80	7.92	656.40
	2750	2.46	356.70	5.90	476.60	8.34	677.70
3000	2100	3.17	308.70	6.03	635.70	8.64	899.70
	2400	3.34	321.30	6.30	652.00	9.00	919.60
	2750	3.53	374.40	6.62	705.60	9.42	895.00
	3000	3.67	413.50	6.84	721.60	9.72	1015.40
QUANTITIES FOR SPECIAL DESIGN BOX CULVERTS							
4000	4500					15.56	2153.00

QUANTITIES FOR STANDARD WINGWALLS									
CLEAR			QUANTITY PER WINGWALL AND APRON SLAB						
SPAN S	HEIGHT □	L OR L ₂ (CETER)	SINGLE		DOUBLE		TRIPLE		
			CONCRETE (C#)	REINFORCEMENT (R#)	CONCRETE (C#)	REINFORCEMENT (R#)	CONCRETE (C#)	REINFORCEMENT (R#)	
1.37	1.20	1.23	5.77	367	6.33	372	7.50	366	
1.75	1.45	1.76	7.18	454	8.79	547	10.17	499	
2.12	1.70	2.29	7.45	489	11.55	582	13.06	657	
2.57	2.00	2.93	9.94	659	15.10	749	16.80	832	
1.37	1.20	1.23	5.05	326	6.71	419	7.97	513	
1.75	1.45	1.76	7.45	489	9.10	582	10.62	676	
2.12	1.70	2.29	8.88	572	11.80	745	13.51	838	
2.57	2.00	2.93	9.33	607	15.28	855	17.23	1071	
1.78	1.45	1.80	7.07	456	8.35	557	9.89	657	
2.15	1.70	2.33	9.33	607	10.62	696	12.35	796	
2.60	2.00	2.97	10.14	739	13.57	894	15.53	1015	
3.05	2.30	3.61	12.96	890	16.61	960	18.79	1233	
2.63	2.02	3.01	9.63	698	16.30	1085	19.10	1105	
3.08	2.32	3.65	12.62	913	17.39	1141	20.03	1386	
3.53	2.62	4.28	12.53	1127	21.31	1442	24.27	1648	
4.06	2.97	5.03	19.27	1395	22.18	1461	23.35	1967	
3.17	2.38	3.78	15.87	1037	20.36	1337	23.90	1529	
3.62	2.68	4.41	16.25	1055	22.25	1330	26.58	1796	
4.15	3.03	5.15	20.97	1346	24.15	1605	29.60	2012	
4.52	3.28	5.68	22.73	1362	26.79	1925	32.78	2427	
QUANTITIES FOR SPECIAL DESIGN WINGWALLS									
6.88	4.85	9.02					66.57	2916	

GENERAL NOTES :

SPECIFICATION :

AASHTO STANDARD SPECIFICATION FOR HIGHWAY BRIDGES, 16th EDITION 1996.

DESIGN LOAD :

LIVE LOAD MS-18 (HS 20-44)

CONCRETE :

ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSION STRENGTH IN 28 DAYS OF $\geq 20.7 \text{ MPa}$ (3000 PSI). ALL EXPOSED CORNERS TO BE CHAMFERED 20 MINIMUM. NO CONSTRUCTION JOINT ARE TO BE MADE WHERE SHOWN. WHEN BOTTOM SLAB IS SUBJECT TO ABRASION ADD 25% TO BOTTOM SLAB TO INCREASE COVERAGE ON STEEL.

EXCEPT

STEEL REINFORCEMENT :

ALL REINFORCING STEEL TO BE INTERMEDIATE (GRADE 40 OR HIGHER) ASTM A-615 WITH DEFORMATIONS CONFORMING TO ASTM A-305.

GENERAL :

IN STATING CULVERT SIZE, GIVE SPAN BY HEIGHT (SPAN FIRST) WHEN HEIGHT OF FILL, H₀ THE TOP SURFACE OF THE UPPER SLAB SHALL FOLLOW THE CROWN OF THE FINISHED ROADWAY. THE SHALL BE CONSTRUCTED ON A LAYER OF LEAN CONCRETE 500 MINIMUM THICKNESS.

OF BOX CULVERT

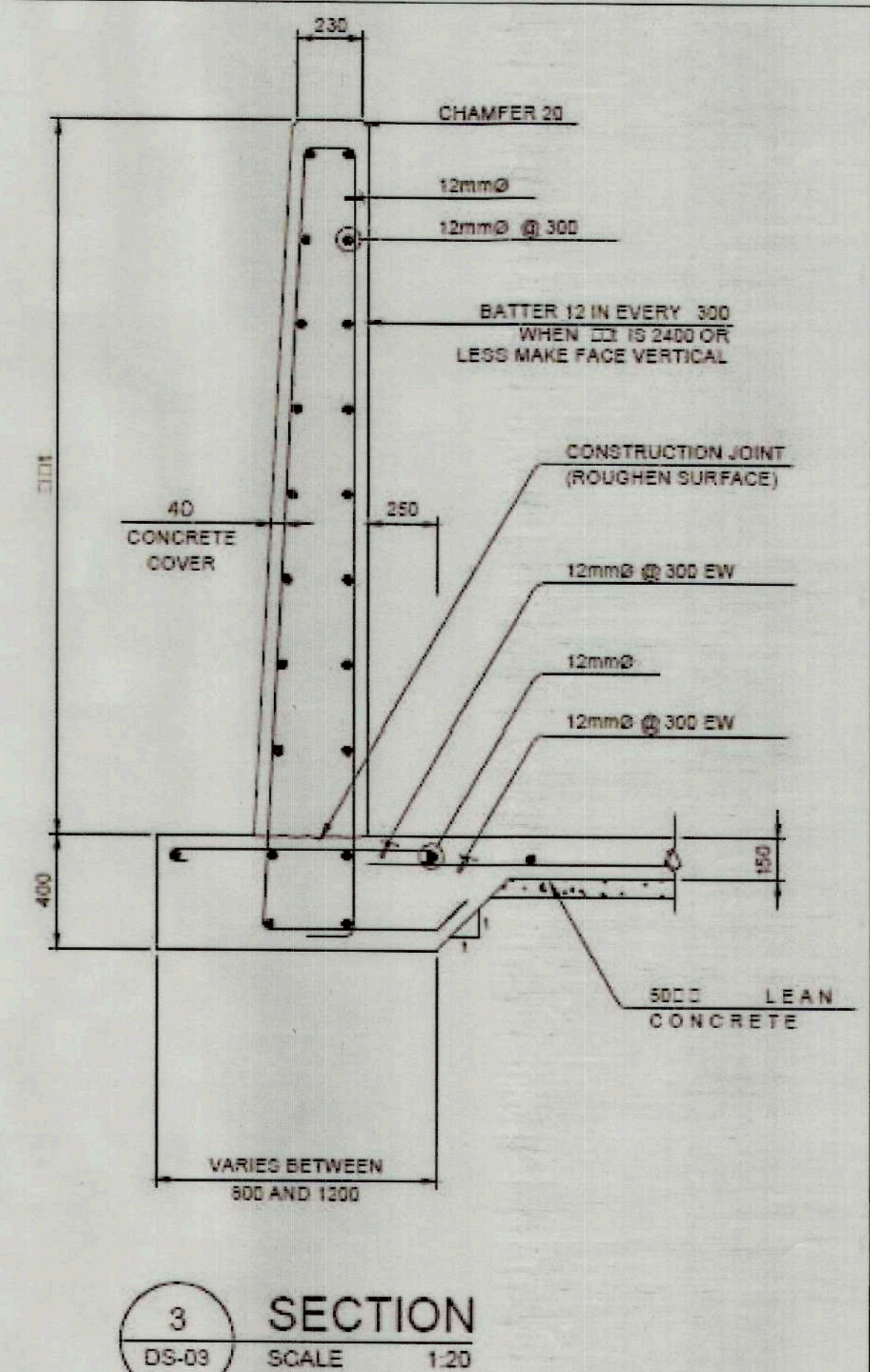
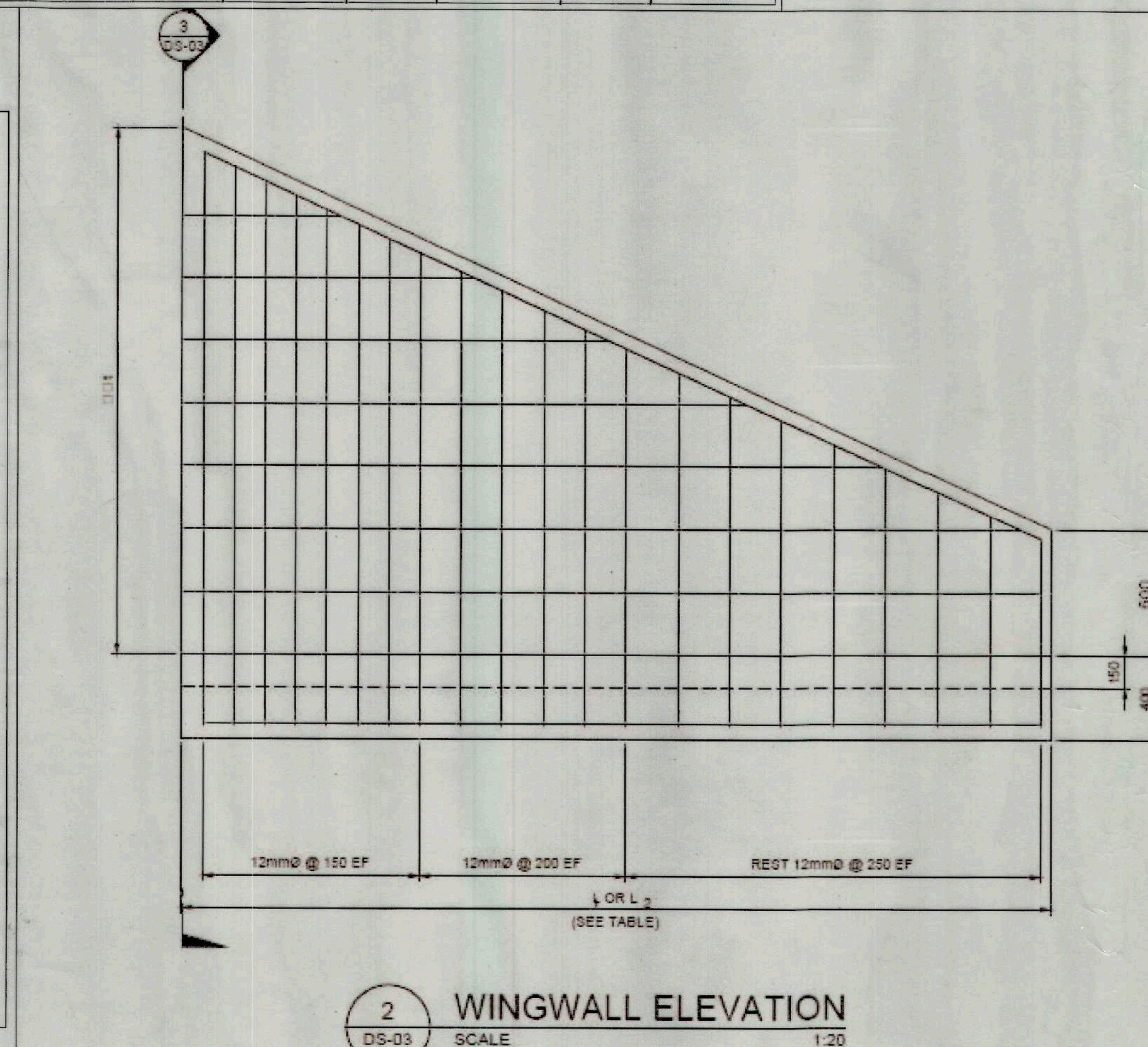
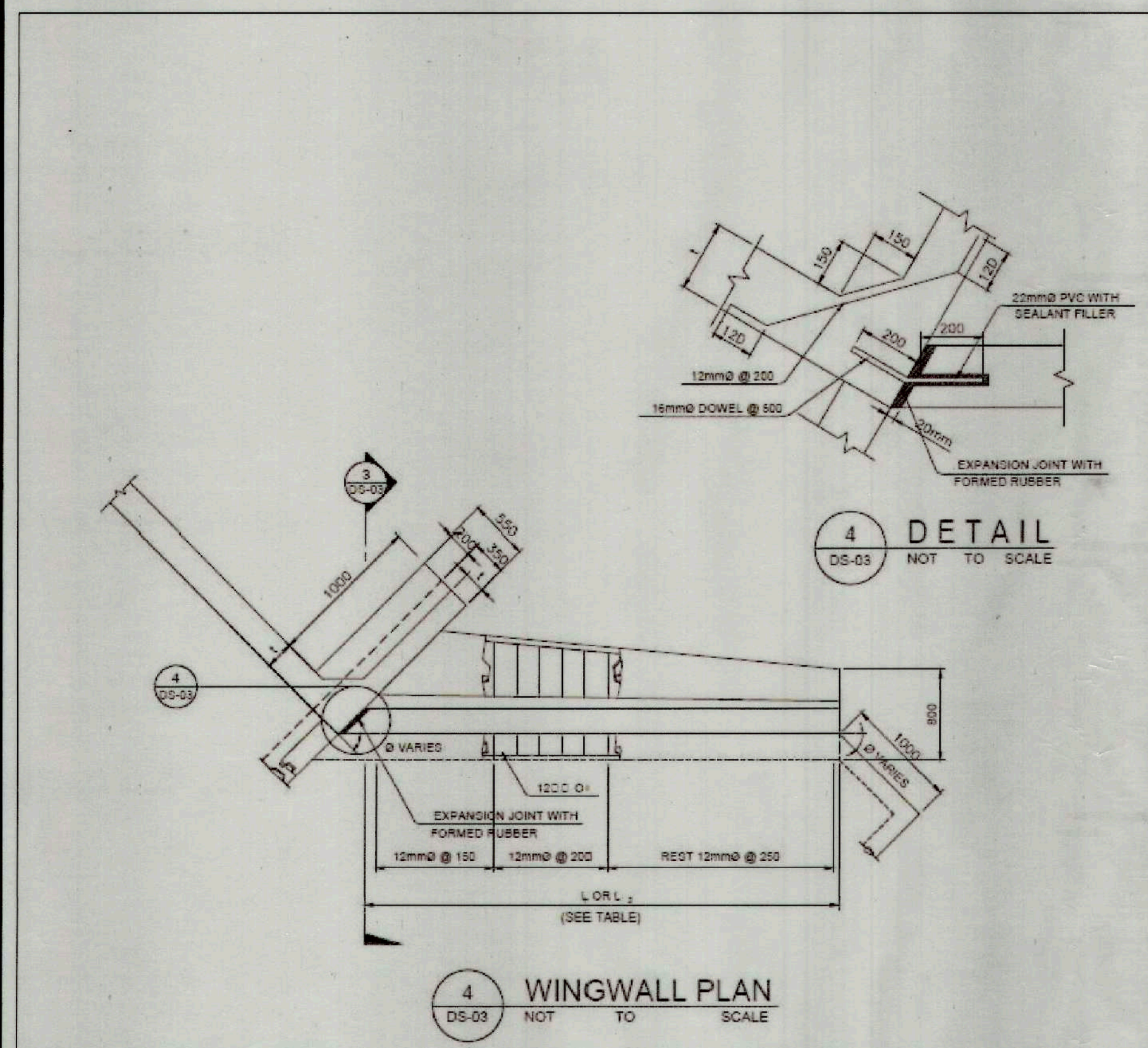
LIVE LOAD DISTRIBUTION REINFORCEMENT :

WHEN THERE IS LESS THAN 600 OF FILL ABOVE TOP SLAB OF CULVERT ADDITIONAL TRANSVERSE TO THE MAIN REINFORCEMENT IS ADDED TO THE BOTTOM OF THE TOP SLAB IN ACCORDANCE AASHTO 1.3.2 E.

REINFORCEMENT WITH

HEIGHT OF FILL :

MAXIMUM HEIGHT OF FILL IS 3000 ABOVE TOP SLAB, FOR HEIGHT OF FILL GREATER THAN 3000 SPECIAL DESIGN OF BOX CULVERT SHOULD BE DONE.



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DRAWN BY: O.B. SAN JUAN
DATE: 2025-08-08

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