



**DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
MINISTRY OF HIGHWAYS, PORTS & SHIPPING**

**ROAD DEVELOPMENT AUTHORITY**

**CONSTRUCTION OF  
EXTENSION OF SOUTHERN EXPRESSWAY FROM MATARA  
TO HAMBANTOTA**

**SECTION 2 FROM BELIATTA TO WETIYA**

**CONTRACT AWARDED TO  
CHINA STATE CONSTRUCTION ENGINEERING CORPORATION LTD**

**CIVIL WORK CONTRACT NO: RDA/SEEP/CONT-S2**

**VOLUME 4**

**THE DRAWINGS**

**SEPTEMBER 2014**

*GW*



**GOVERNMENT OF DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
MINISTRY OF PORTS & HIGHWAYS**

**ROAD DEVELOPMENT AUTHORITY**

**VOLUME - 4**

**PART - 1**

**EXTENSION OF SOUTHERN EXPRESSWAY FROM BELIATTE TO WETIYA**

**SECTION 2- 26km**

**PRELIMINARY GEOMETRIC DESIGNS**

**Design Office (Central Province)  
Road Development Authority  
S.W.R.D. Bandaranayake Mawatha  
Kandy**

**AUGUST 2013**

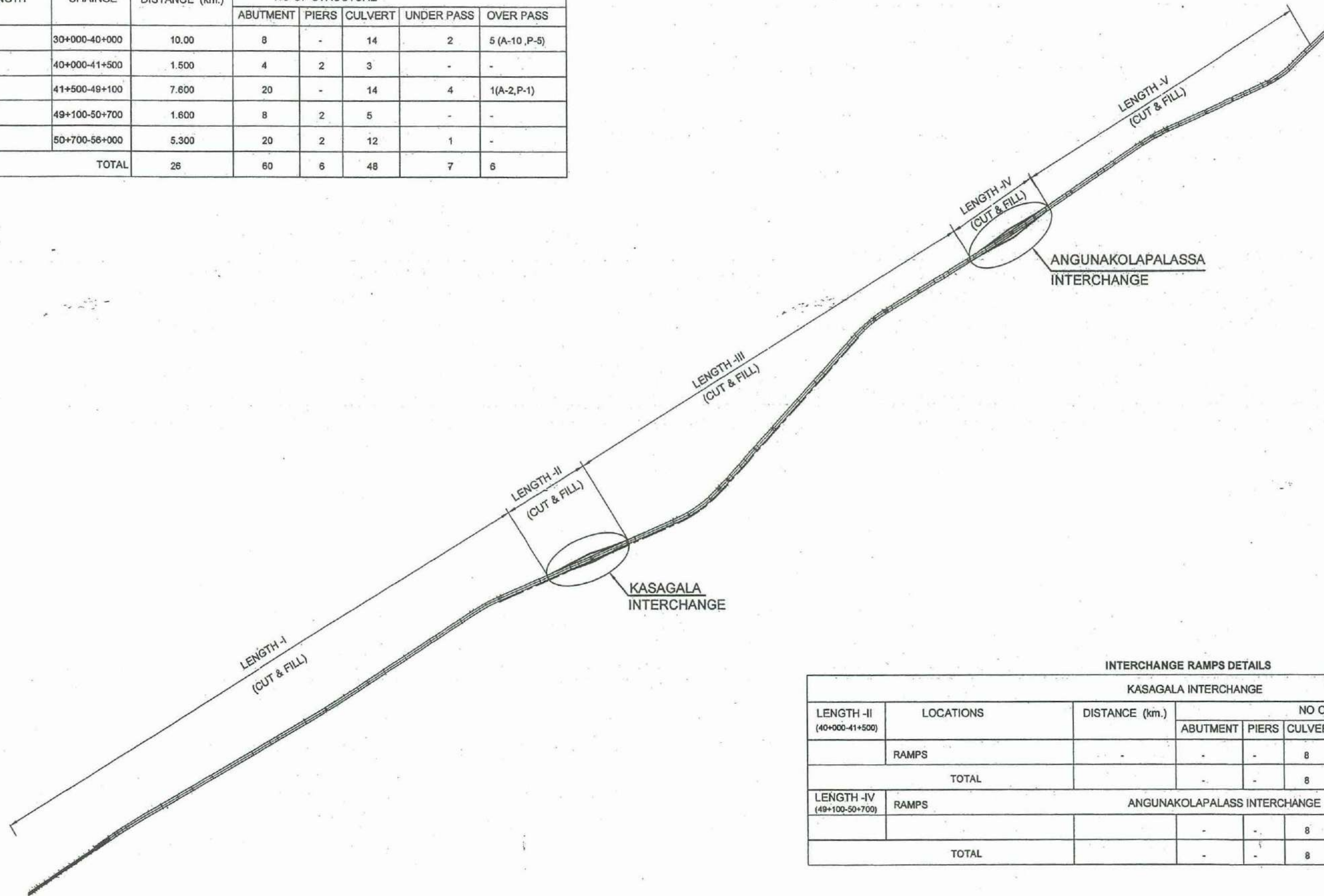
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# PRELIMINARY LAYOUT PLANS

BW *[initials]*



LENGTH	CHAIANGE	DISTANCE (km.)	NO OF STRUCTURE				
			ABUTMENT	PIERS	CULVERT	UNDER PASS	OVER PASS
I	30+000-40+000	10.00	8	-	14	2	5 (A-10, P-5)
II	40+000-41+500	1.500	4	2	3	-	-
III	41+500-49+100	7.600	20	-	14	4	1(A-2, P-1)
IV	49+100-50+700	1.600	8	2	5	-	-
V	50+700-56+000	5.300	20	2	12	1	-
TOTAL		26	60	6	48	7	6



INTERCHANGE RAMPS DETAILS						
KASAGALA INTERCHANGE						
LENGTH -II (40+000-41+500)	LOCATIONS	DISTANCE (km.)	NO OF STRUCTURE			
			ABUTMENT	PIERS	CULVERT	UNDER PASS
	RAMPS	-	-	-	8	-
TOTAL			-	-	8	-
LENGTH -IV (49+100-50+700)	ANGUNAKOLAPALASS INTERCHANGE					
	RAMPS		-	-	8	-
TOTAL			-	-	8	-

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WATIYA  
( SECTION -2 )**

KEY PLAN

01



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
MINISTRY OF PORTS & HIGHWAYS



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DATE :

DRG.No. : DD-FWD-SP-ESE-ST-EWFS-52-GA-000

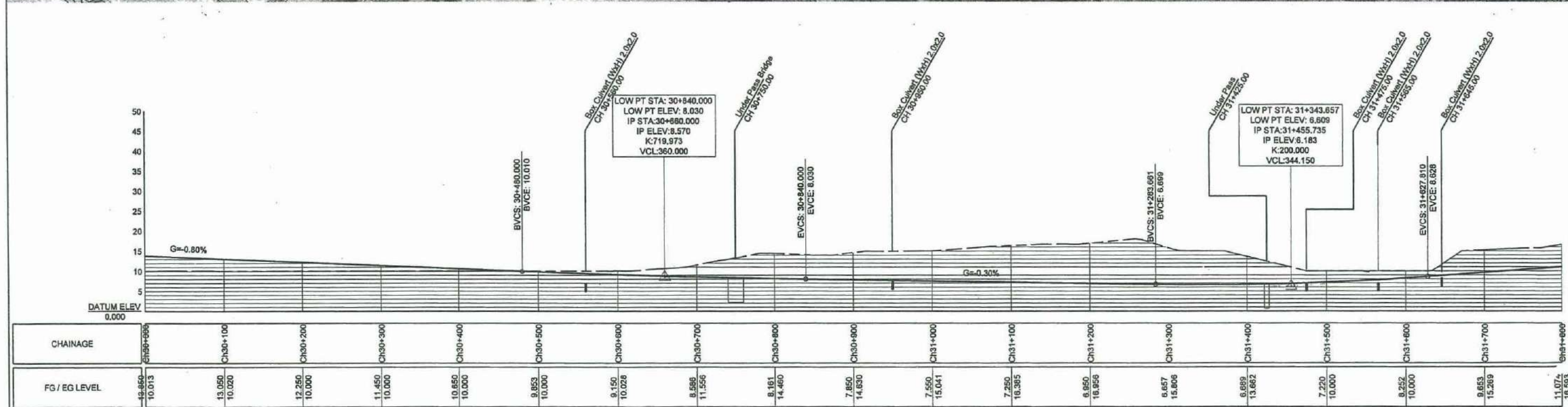
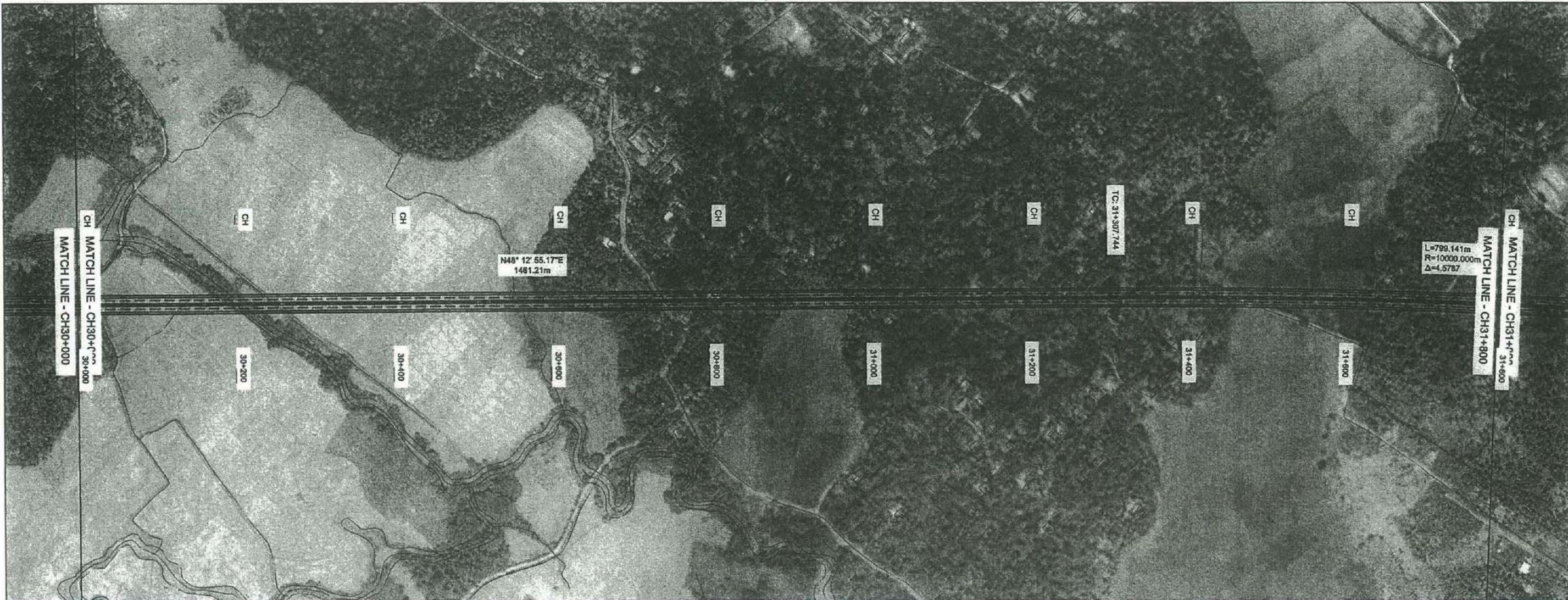
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**PRELIMINARY PLAN AND PROFILE**

BW A





**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA.  
(SECTION -2)**

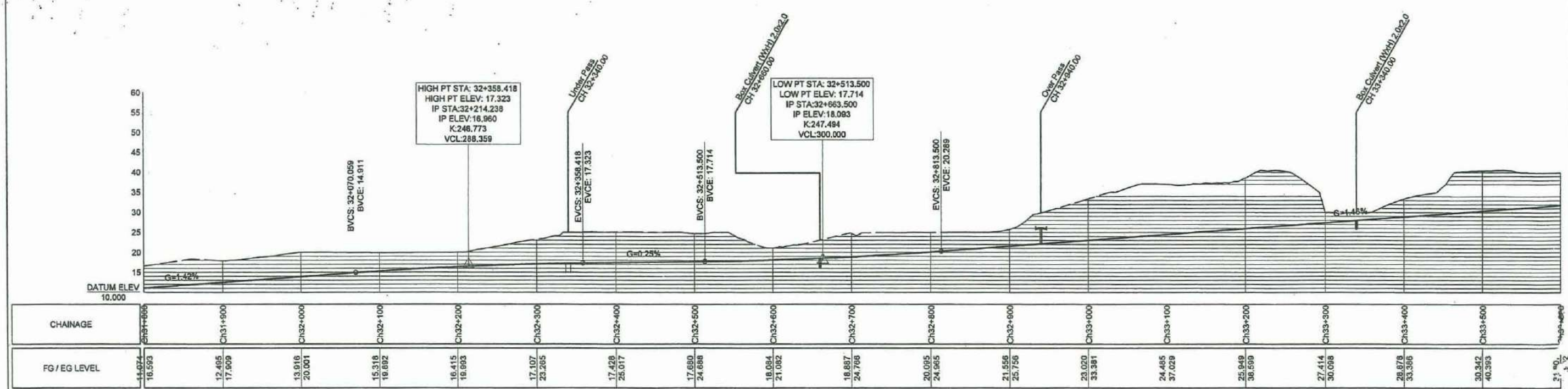
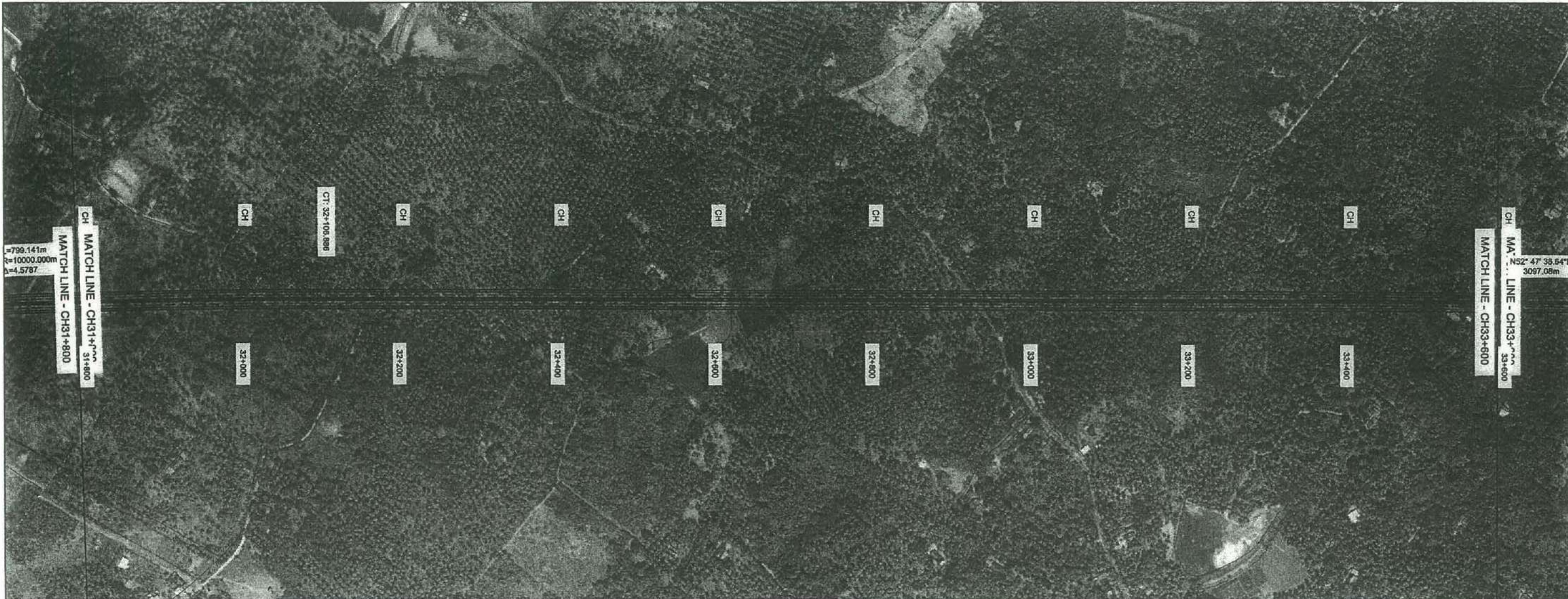
**02** DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
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DATE: \_\_\_\_\_ Sheet: 01 of 15


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**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA. (SECTION - 2)**

PLAN & PROFILE CH 31+800-CH 33+600 SCALE - 1:5000

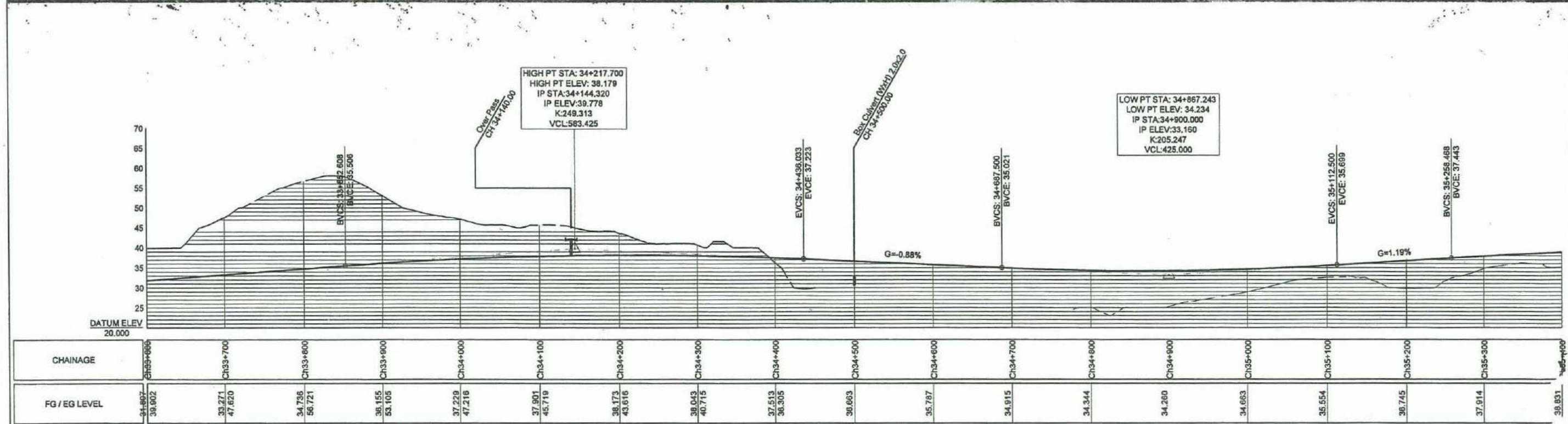
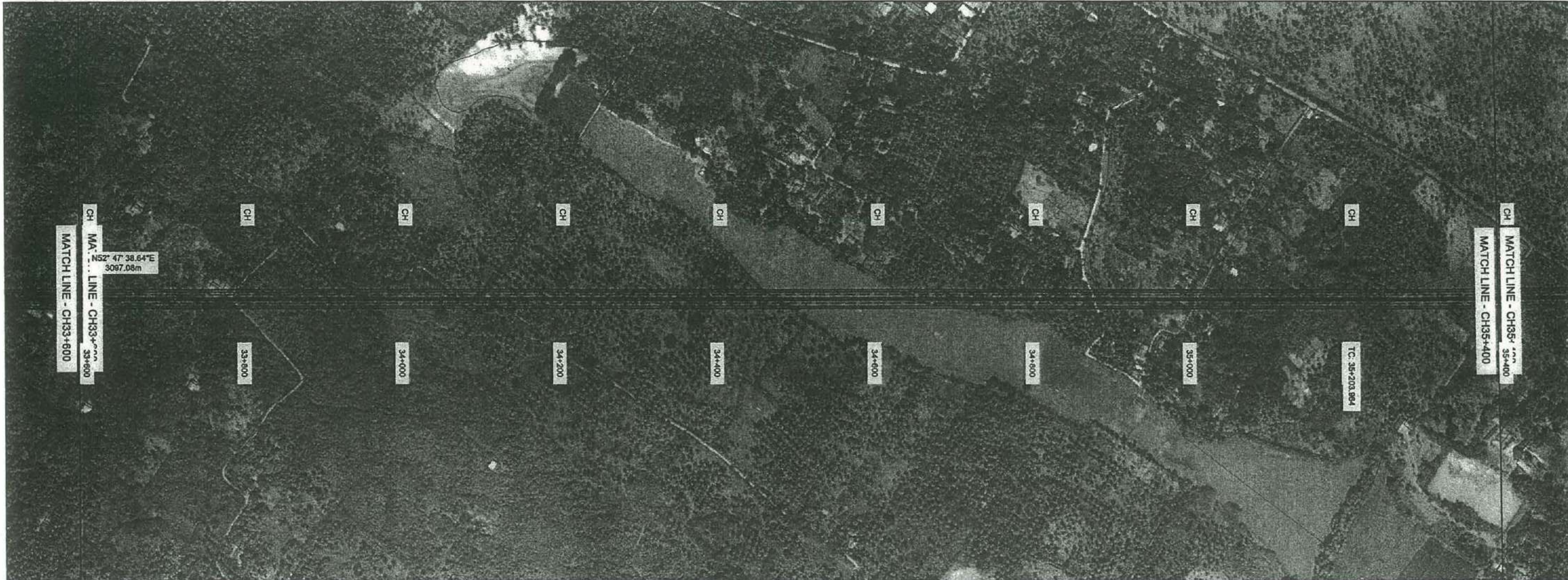
03  DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
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DRG.No.: DD/FWD/SP/ESE/GD/EWFS/S-2/02(15)

*BWA*





**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA.**  
**( SECTION -2 )**

04



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
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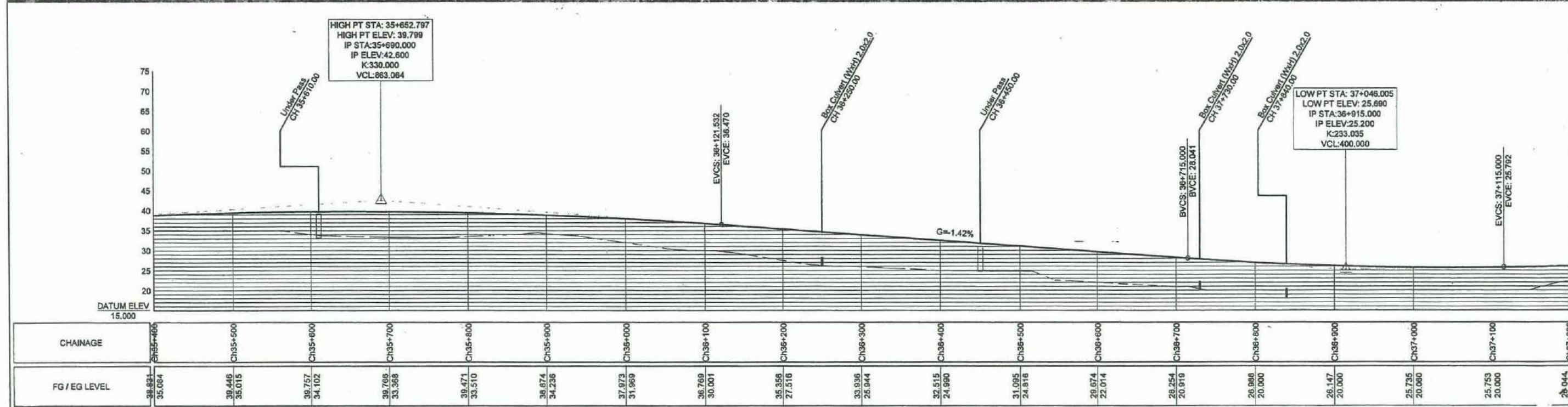
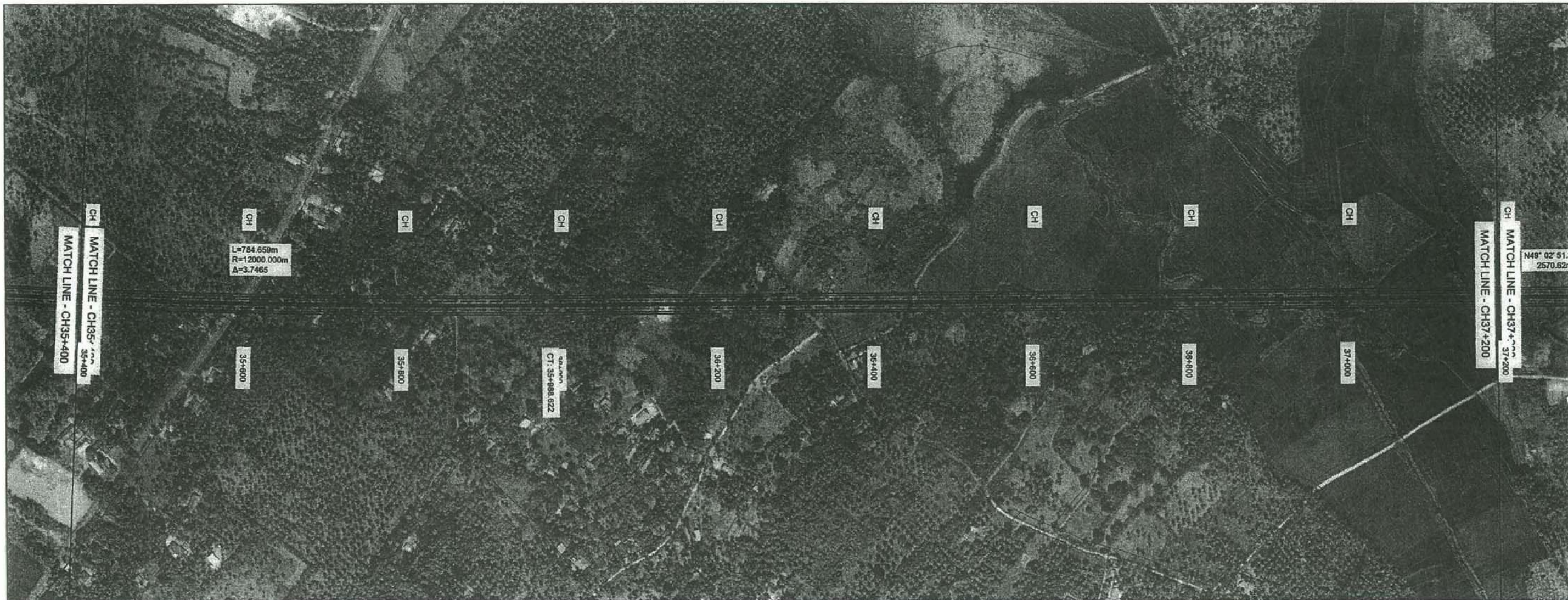
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PLAN & PROFILE

CH 33+600-CH 35+400

SCALE - 1:5000





**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA.  
(SECTION - 2)**

05



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
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*Signature*

DATE : \_\_\_\_\_ Sheet: 04 of 15

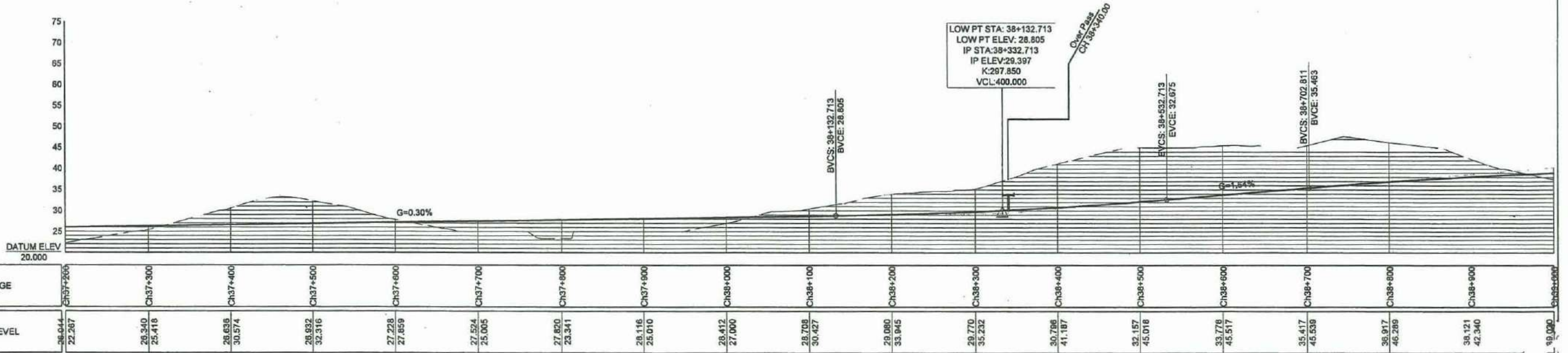
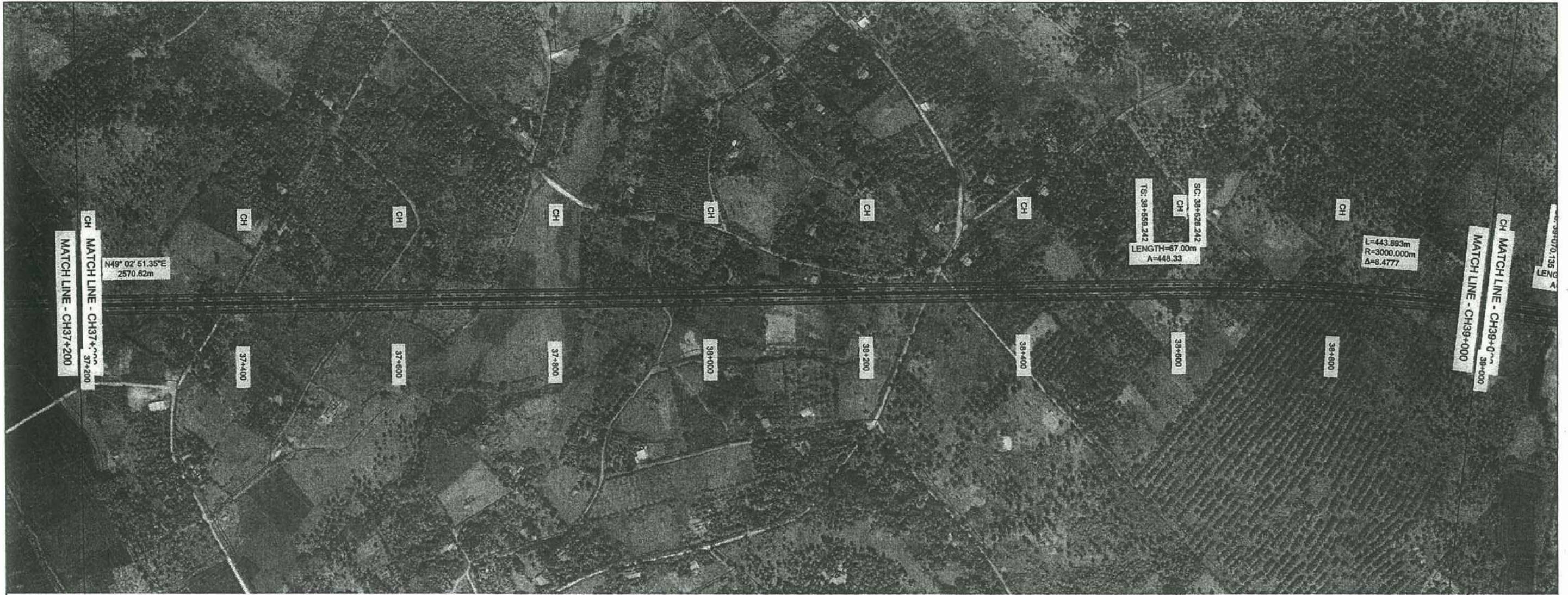
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PLAN & PROFILE

CH 35+400-CH 37+200

SCALE - 1:5000





**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA. (SECTION -2)**

06



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
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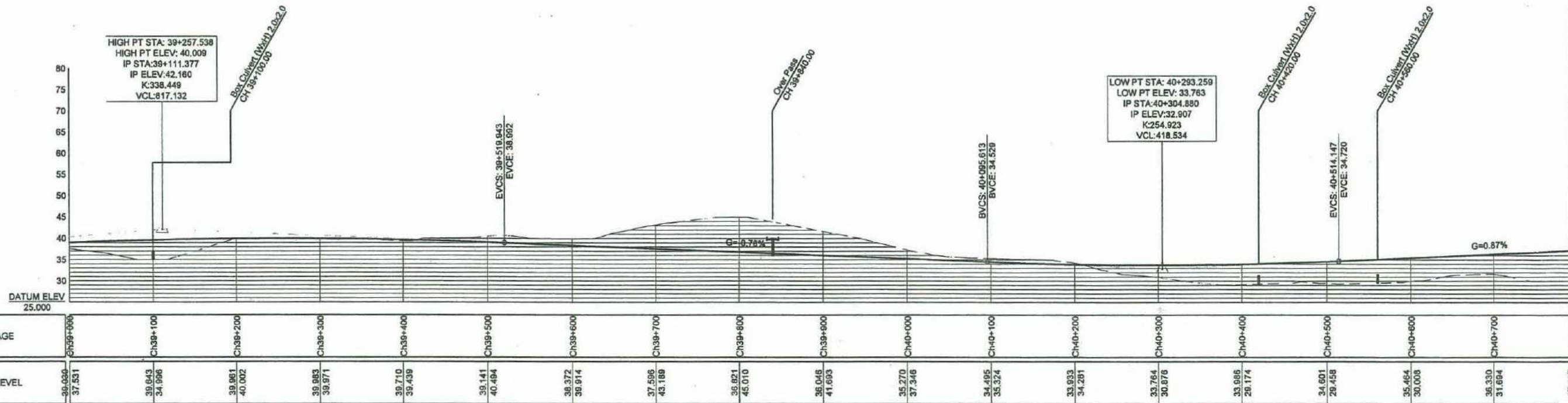
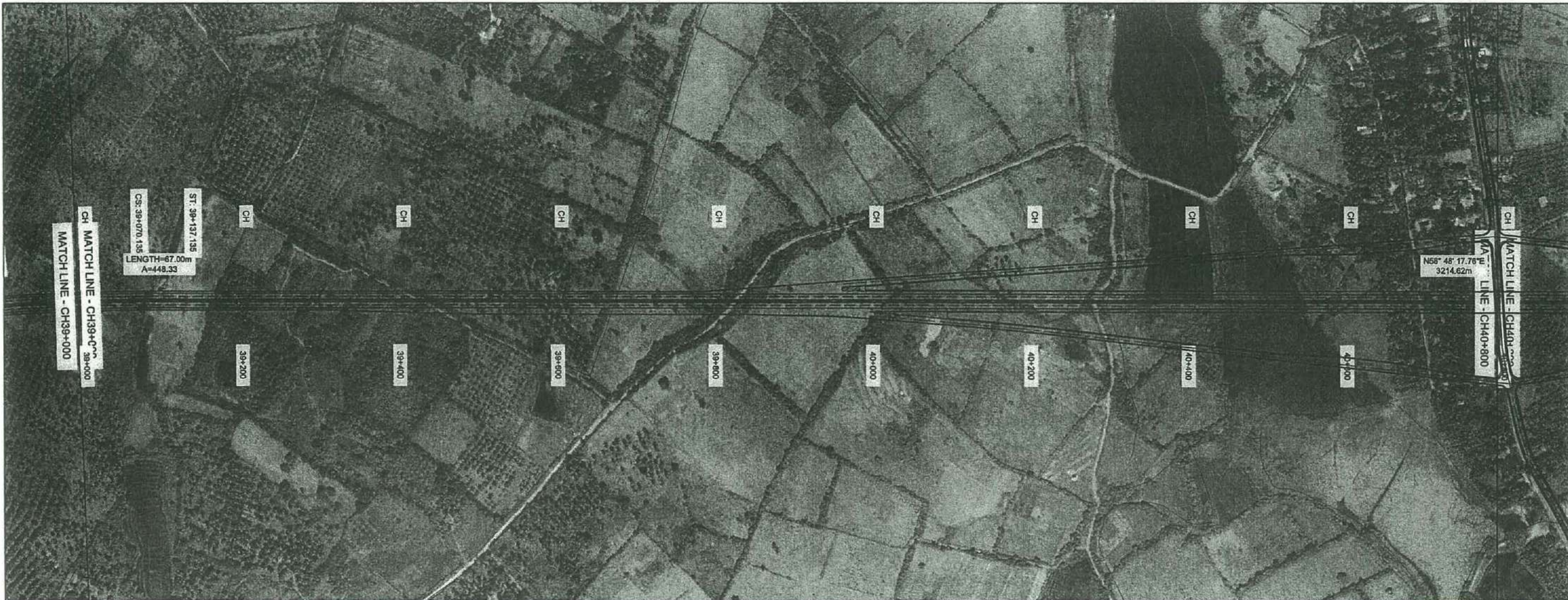
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PLAN & PROFILE

CH 37+200-CH 39+000

SCALE: 1:5000





**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA. (SECTION -2)**

07



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
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PLAN & PROFILE

CH 39+000-CH 40+800

SCALE - 1:5000



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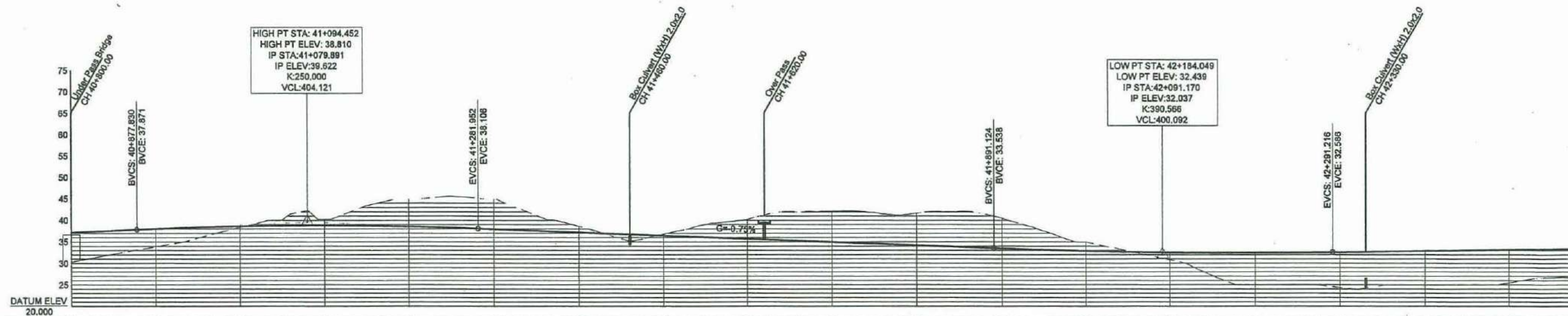
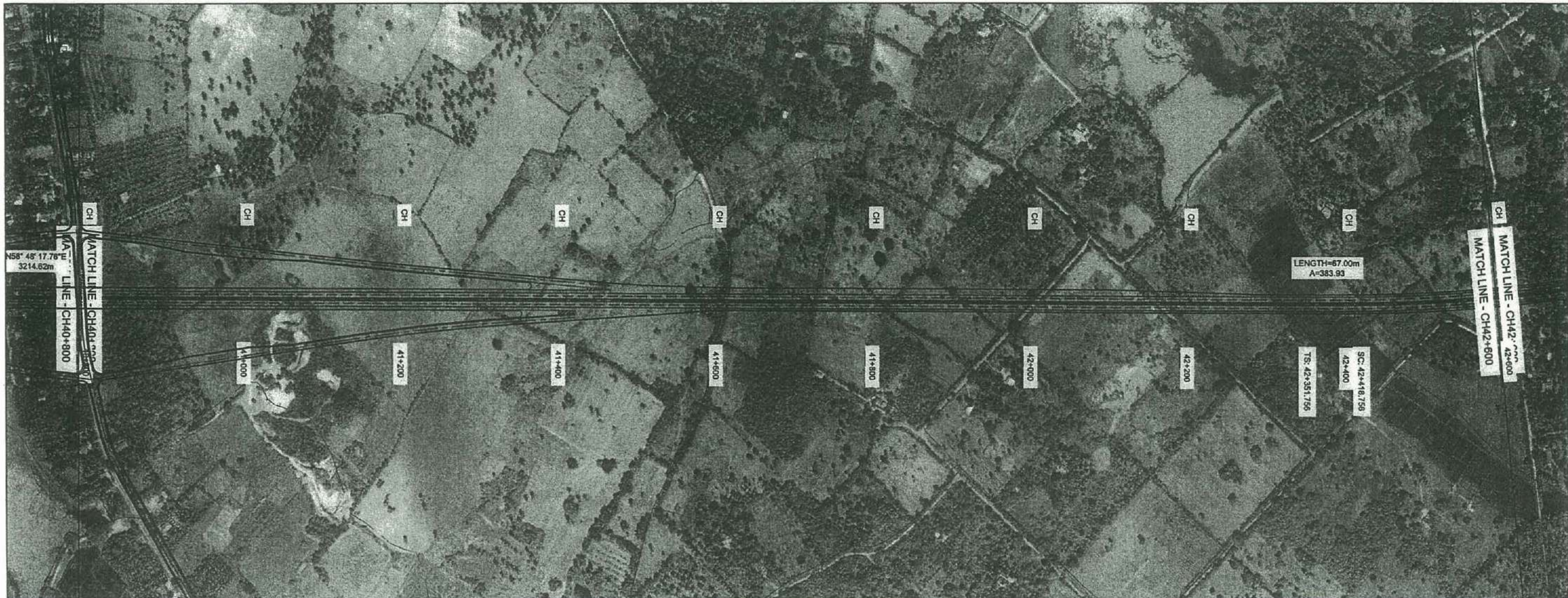
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Sheet : 06 of 15

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CHAINAGE	FG / EG LEVEL
CH40+800	37.482 30.283
CH40+900	38.053 33.867
CH41+000	38.631 38.375
CH41+100	38.809 40.244
CH41+200	38.557 45.000
CH41+300	37.971 45.000
CH41+400	37.221 38.656
CH41+500	36.471 36.812
CH41+600	35.721 40.284
CH41+700	34.971 42.137
CH41+800	34.221 41.679
CH41+900	33.472 40.515
CH42+000	32.873 34.948
CH42+100	32.530 30.828
CH42+200	32.442 24.993
CH42+300	32.610 24.360
CH42+400	32.885 24.929
CH42+500	33.159 25.429

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA.  
(SECTION -2)**

PLAN & PROFILE

CH 40+800-CH 42+600

SCALE - 1:5000

08



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
MINISTRY OF PORTS & HIGHWAYS



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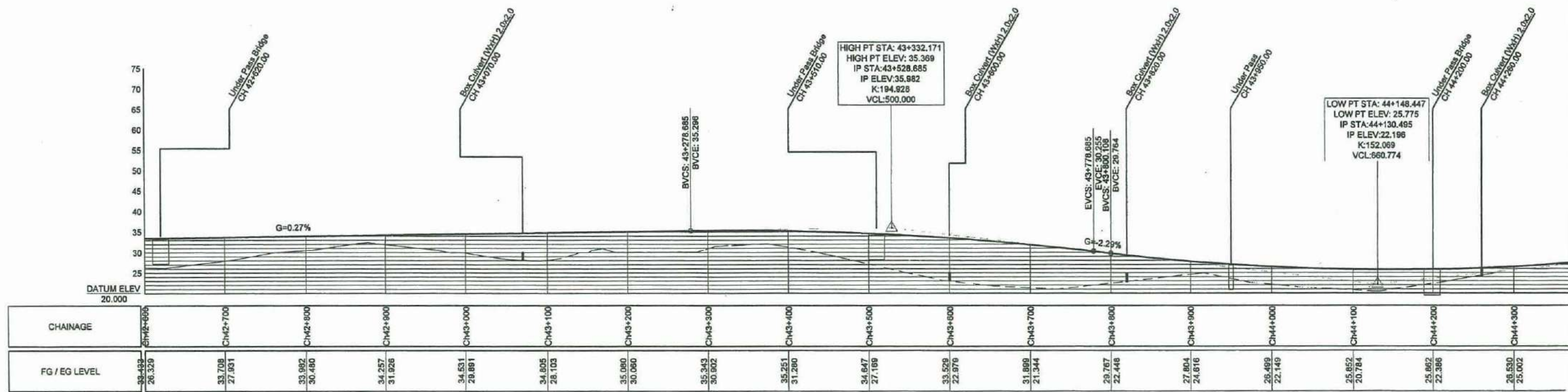
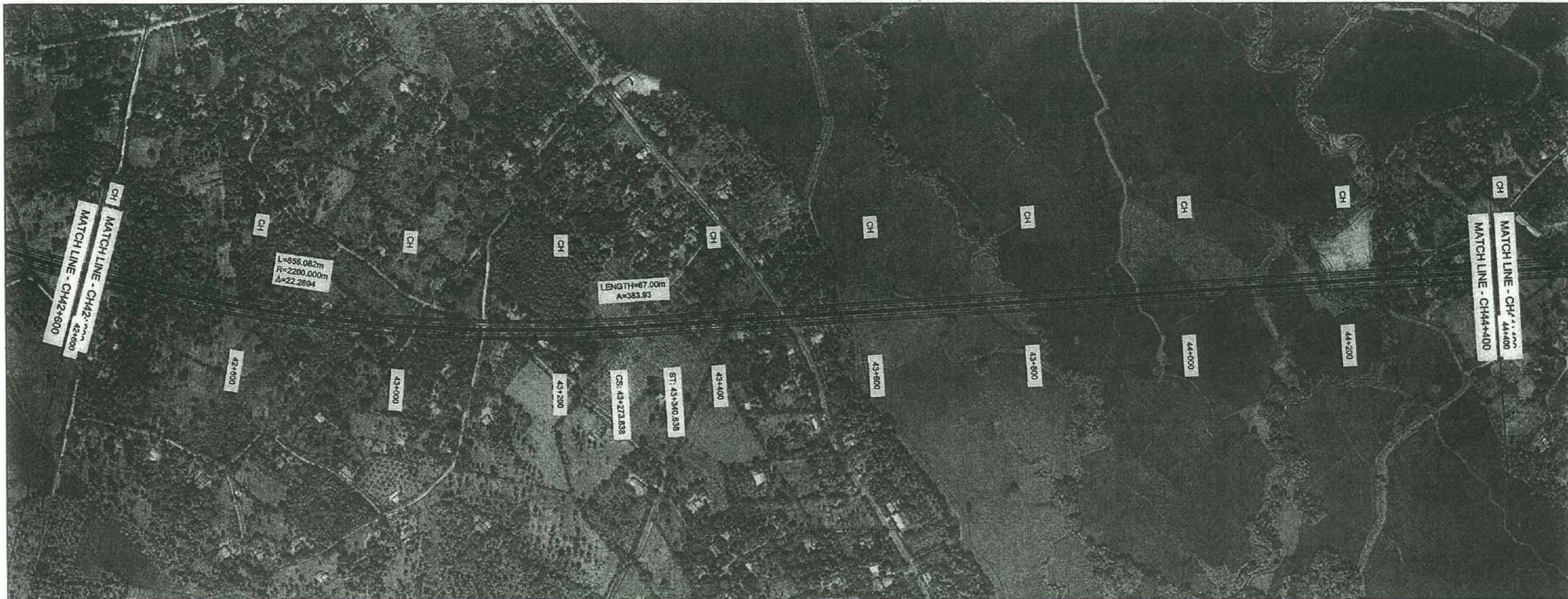
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**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA.**  
( SECTION -2 )

09  DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
MINISTRY OF PORTS & HIGHWAYS

PLAN & PROFILE CH 42+600-CH 44+400

SCALE - 1:5000

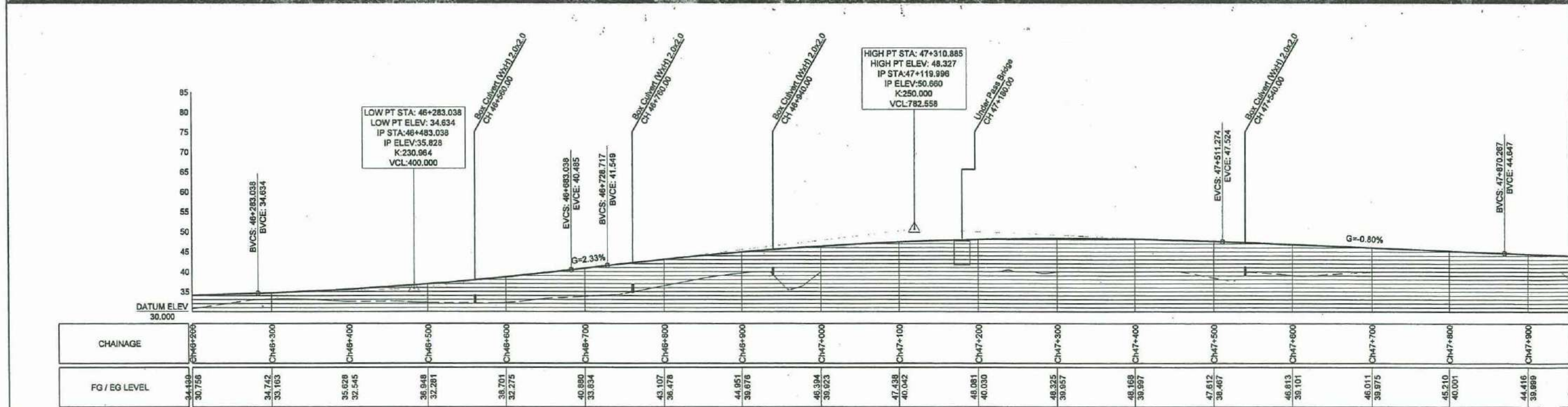
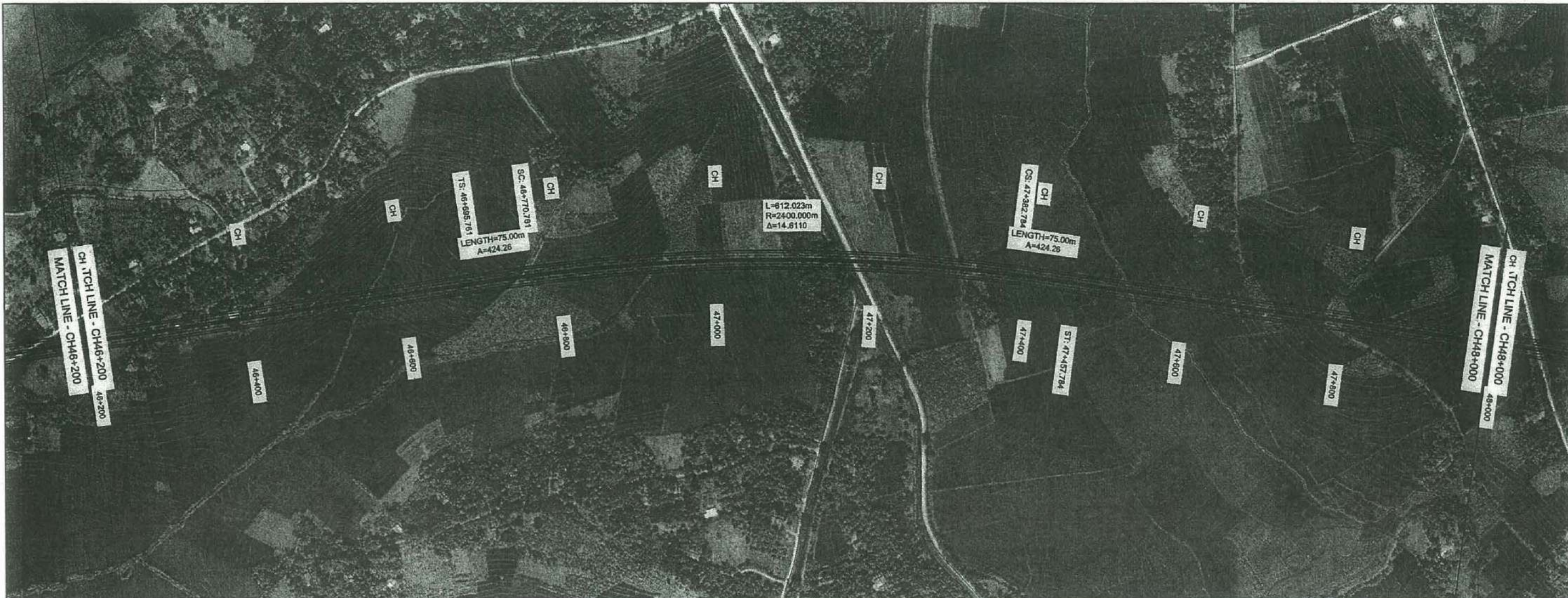


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DATE : 08/07/19  
Sheet : 08 of 15  
DRG.No. : DD/FWD/SP/ESE/GD/EWFS/S-208(15)





**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA.**  
( SECTION - 2 )

11



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
MINISTRY OF PORTS & HIGHWAYS

PLAN & PROFILE CH 46+200-CH 48+000

SCALE - 1:5000

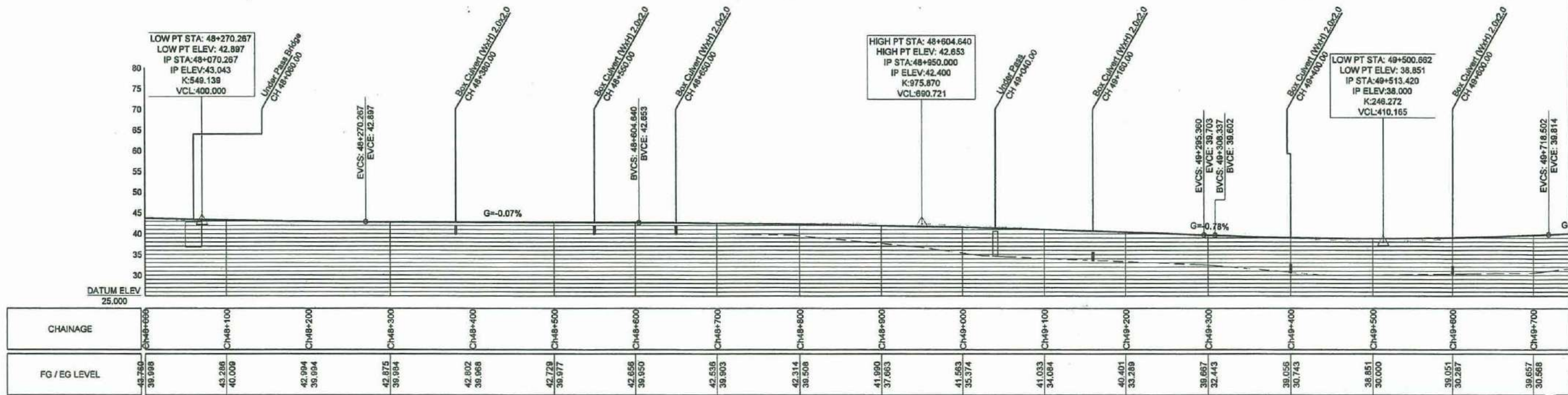
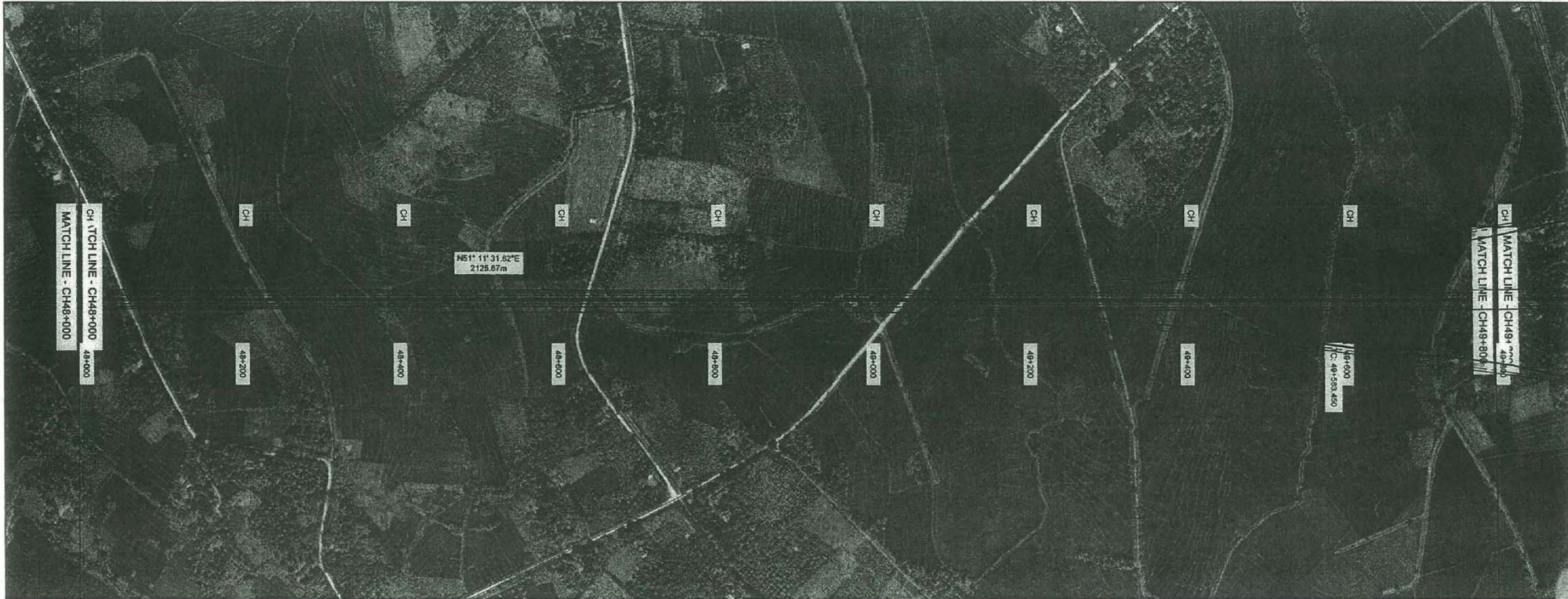


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DATE : \_\_\_\_\_ Sheet : 10 of 15  
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**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA. (SECTION -2)**

12



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
MINISTRY OF PORTS & HIGHWAYS

PLAN & PROFILE

CH 48+000-CH 49+800

SCALE - 1:5000



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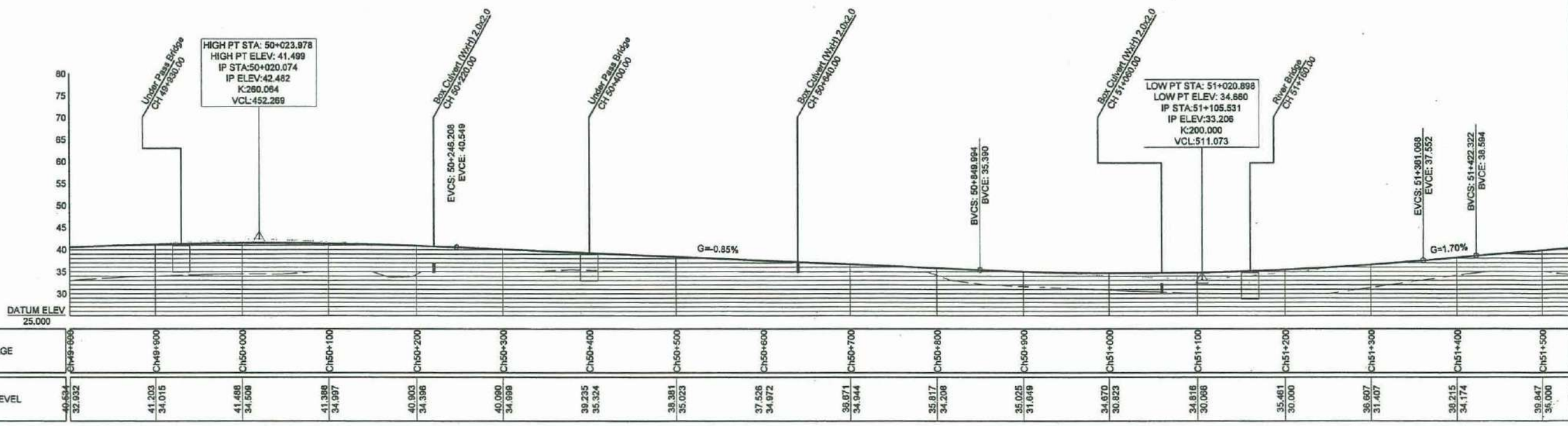
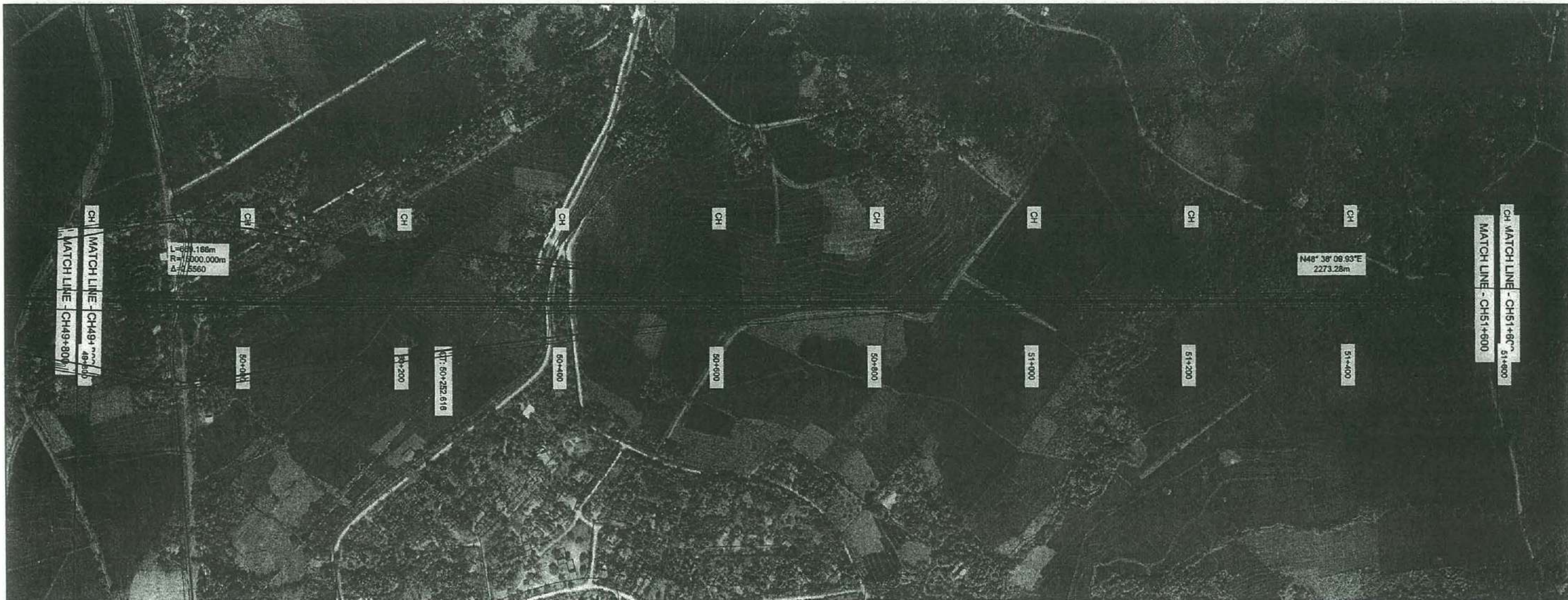
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**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA.  
( SECTION -2 )**

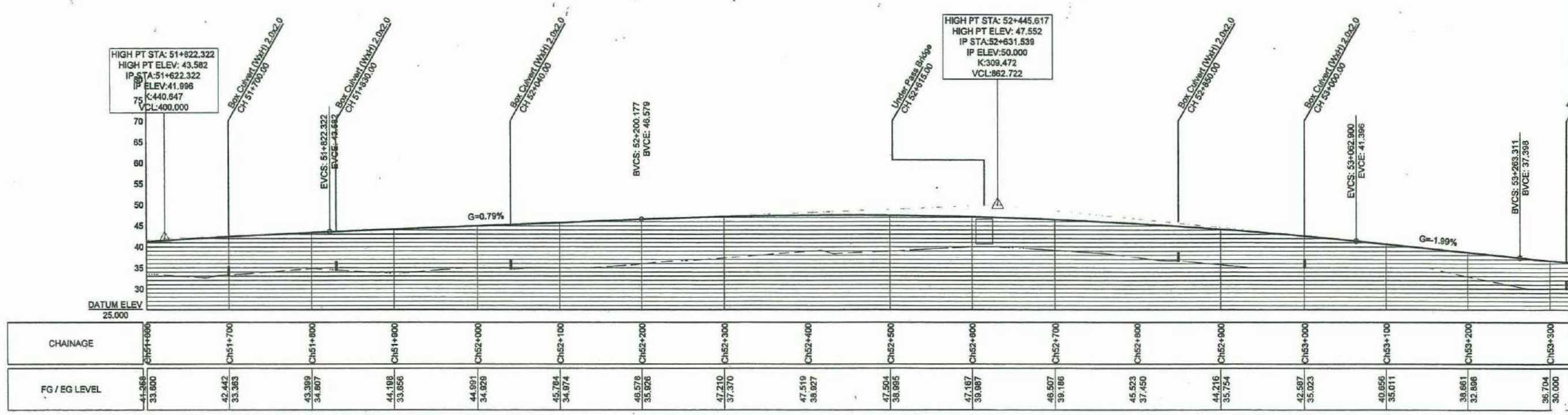
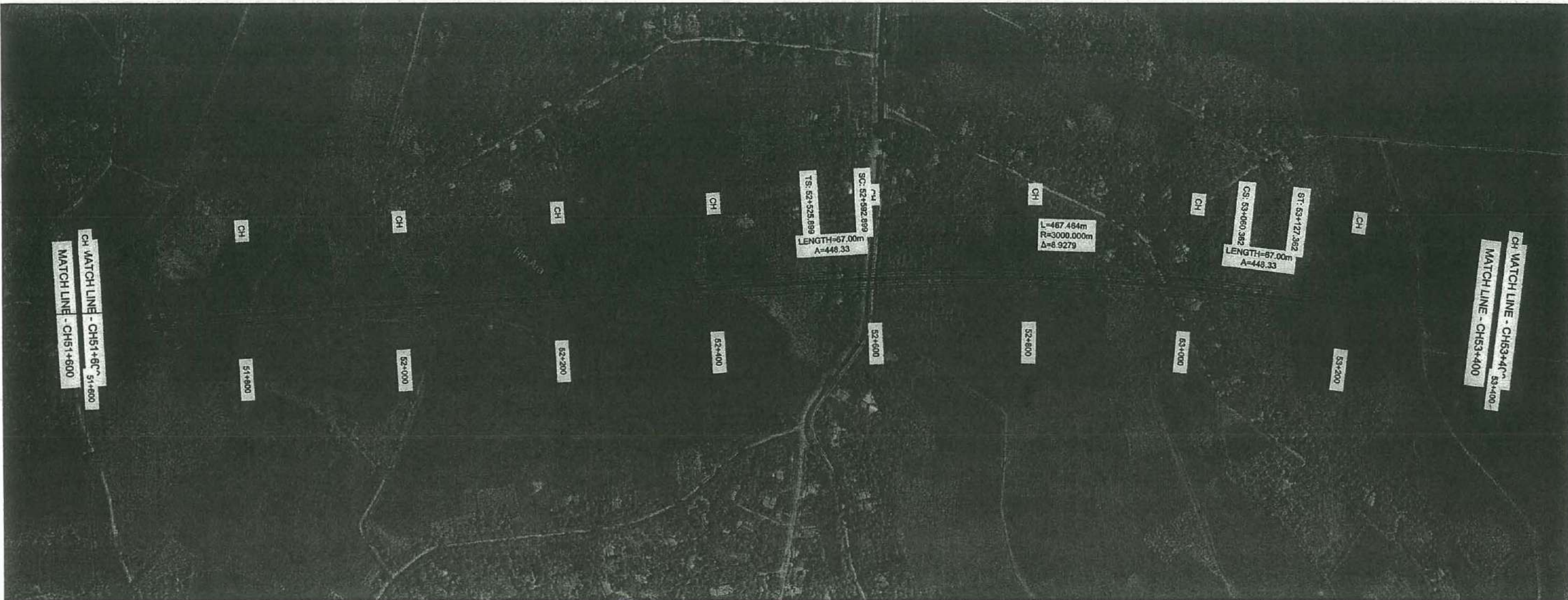
13 DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
MINISTRY OF PORTS & HIGHWAYS

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DRG.No.: DD/FWD/SP/ESE/GD/EWF/SIS-2/12(15)

PLAN & PROFILE CH 49+800-CH 51+600 SCALE - 1:5000





**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA. (SECTION -2)**

14



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
MINISTRY OF PORTS & HIGHWAYS

PLAN & PROFILE CH 51+600-CH 53+400

SCALE - 1:5000

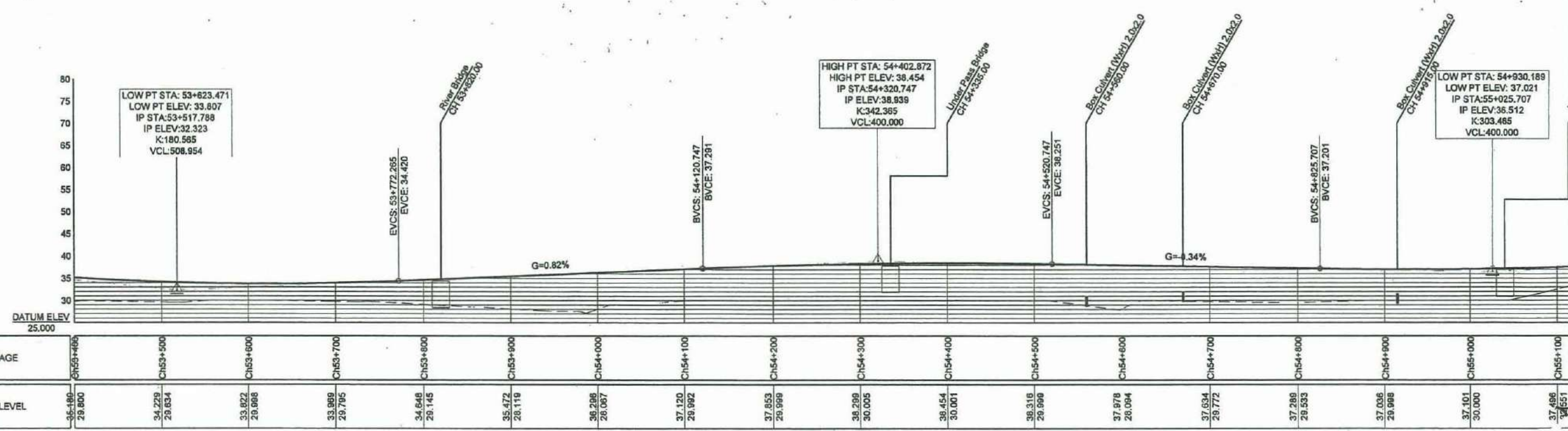
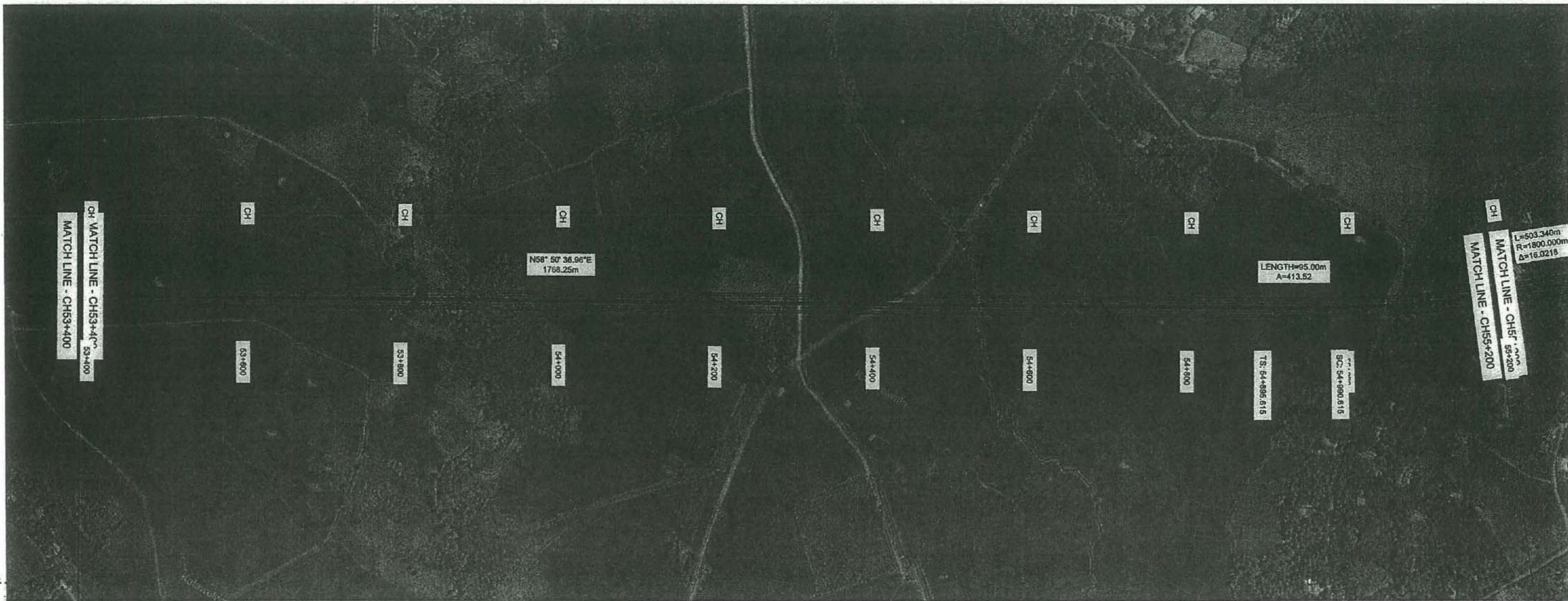


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**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA. (SECTION -2)**

PLAN & PROFILE CH 53+400-CH 55+200

SCALE - 1:5000

15

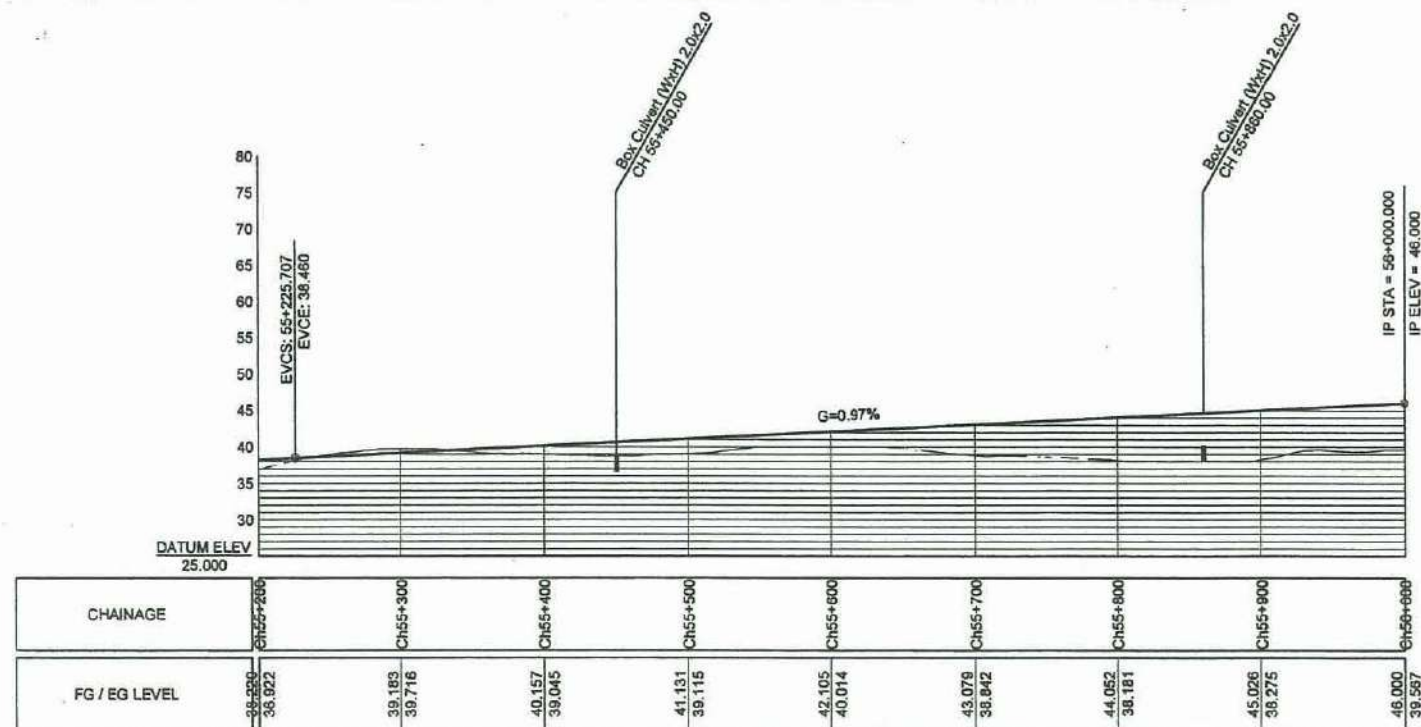
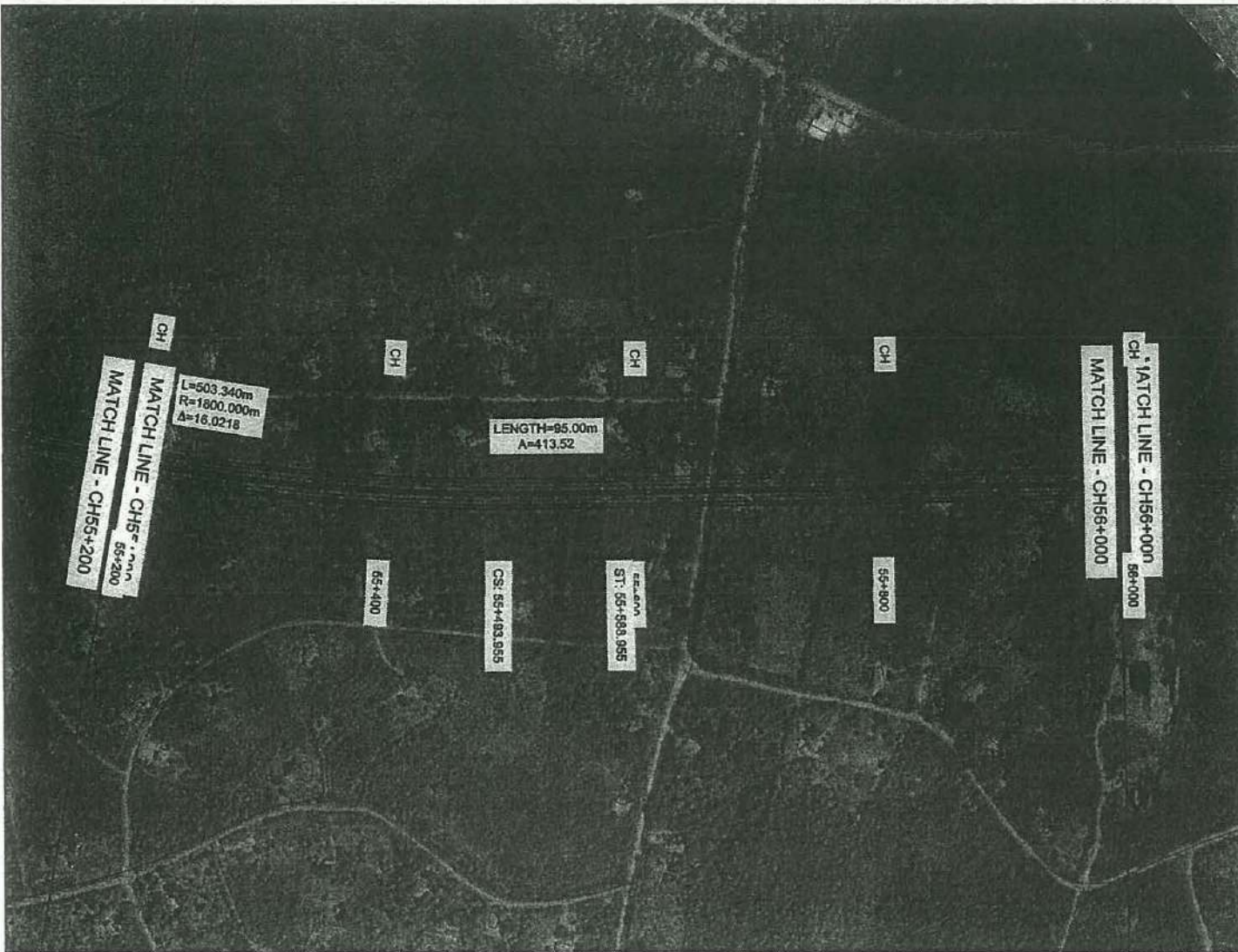
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**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA.  
( SECTION -2 )**

16



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PLAN & PROFILE

CH 55+200-CH 56+000

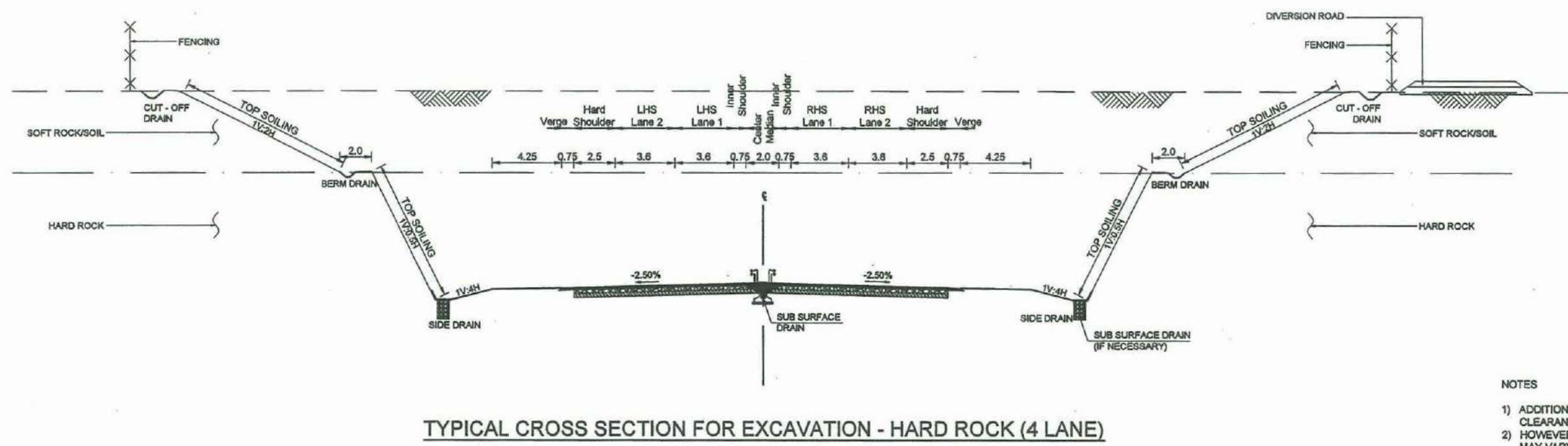
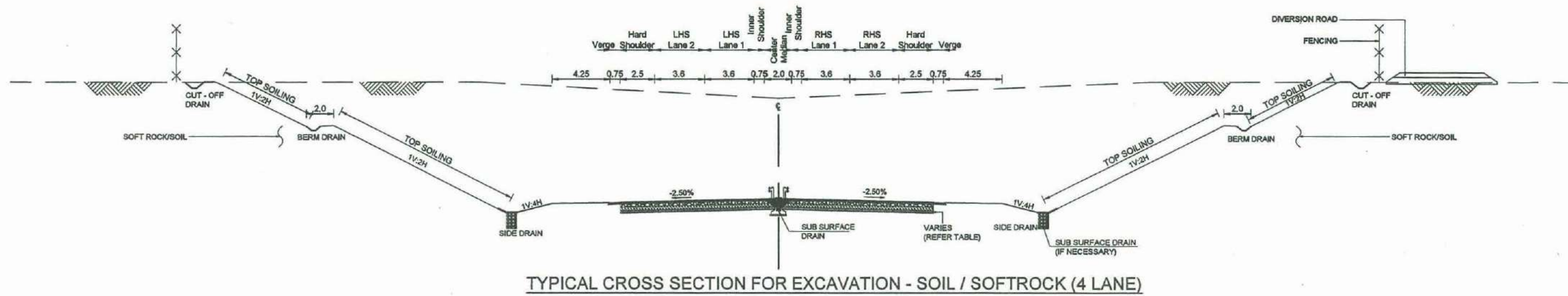
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# TYPICAL CROSS SECTIONS

BW 2





- NOTES**
- 1) ADDITIONAL 4.25m IS PROVIDED FOR CLEARANCE AT CUTTING AREA.
  - 2) HOWEVER CUT & FILL SLOPES & DEPTHS MAY VARY DEPENDING ON THE GEOTECHNICAL CONDITIONS.

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA.  
( SECTION -02 )**



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
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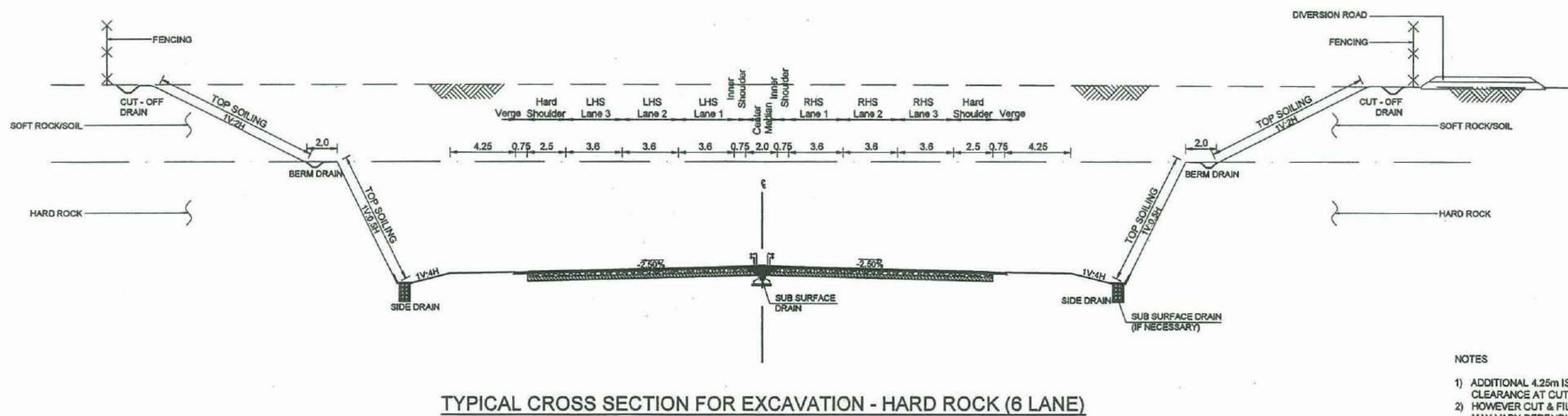
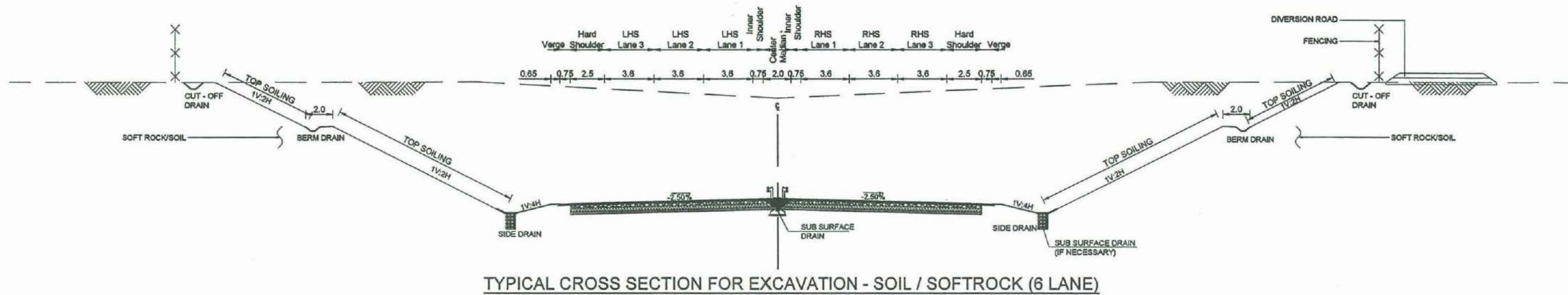
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TYPICAL CROSS SECTIONS FOR 4 LANE

SCALE - 1:300

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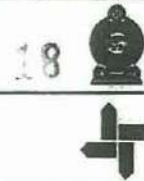


- NOTES**
- 1) ADDITIONAL 4.25m IS PROVIDED FOR CLEARANCE AT CUTTING AREA.
  - 2) HOWEVER CUT & FILL SLOPES & DEPTHS MAY VARY DEPENDING ON THE GEOTECHNICAL CONDITIONS.

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA.  
( SECTION -02 )**

TYPICAL CROSS SECTIONS FOR 6 LANE

SCALE - 1:300



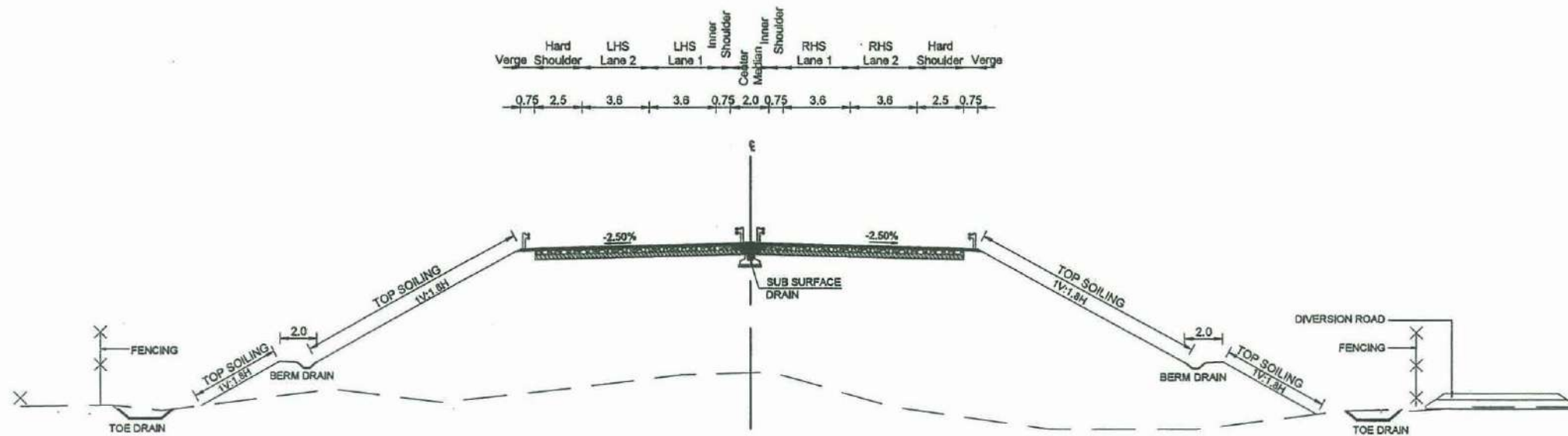
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S.W.R.D. BANDARANAIKE MAWATHA, KANDY  
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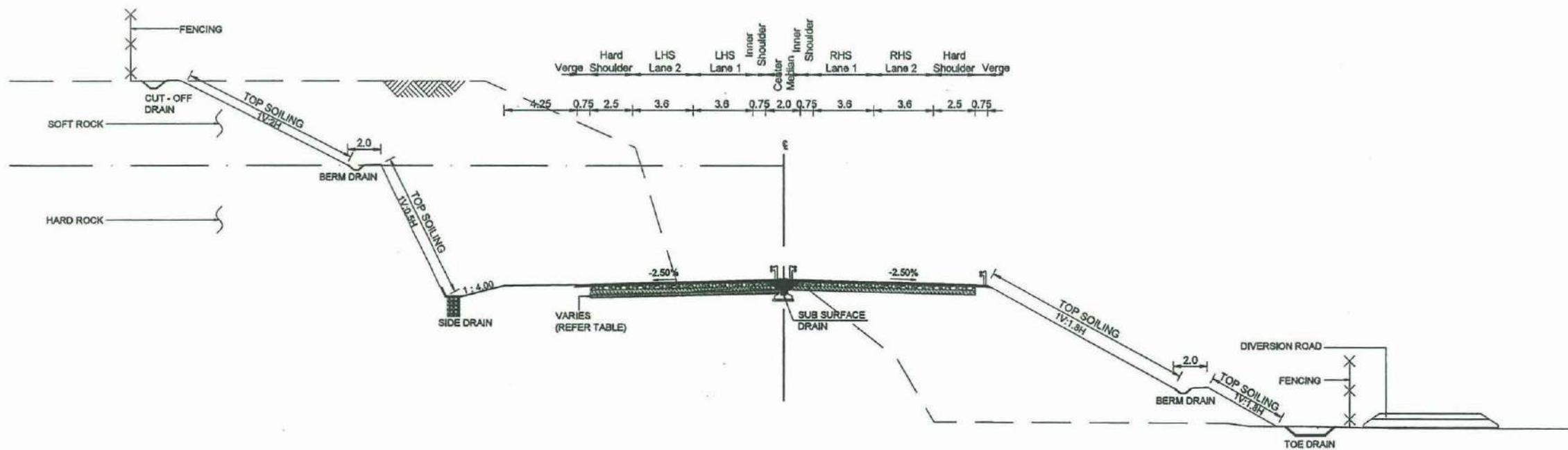
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DATE: *11/11/2011* Sheet: 05 of 17  
DRG.No.: DD/FWD/SP/ESE/GD/EW/FS/S-2/1.4/005





TYPICAL CROSS SECTION FOR FILL ( 4 LANE)



TYPICAL CROSS SECTION FOR EXCAVATION & FILLING ( 4 LANE)

NOTES

- 1) ADDITIONAL 4.25m IS PROVIDED FOR CLEARANCE AT CUTTING AREA.
- 2) HOWEVER CUT & FILL SLOPES & DEPTHS MAY VARY DEPENDING ON THE GEOTECHNICAL CONDITIONS.

EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA.  
( SECTION -02 )

13



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
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DATE: \_\_\_\_\_ Sheet: 03 of 17

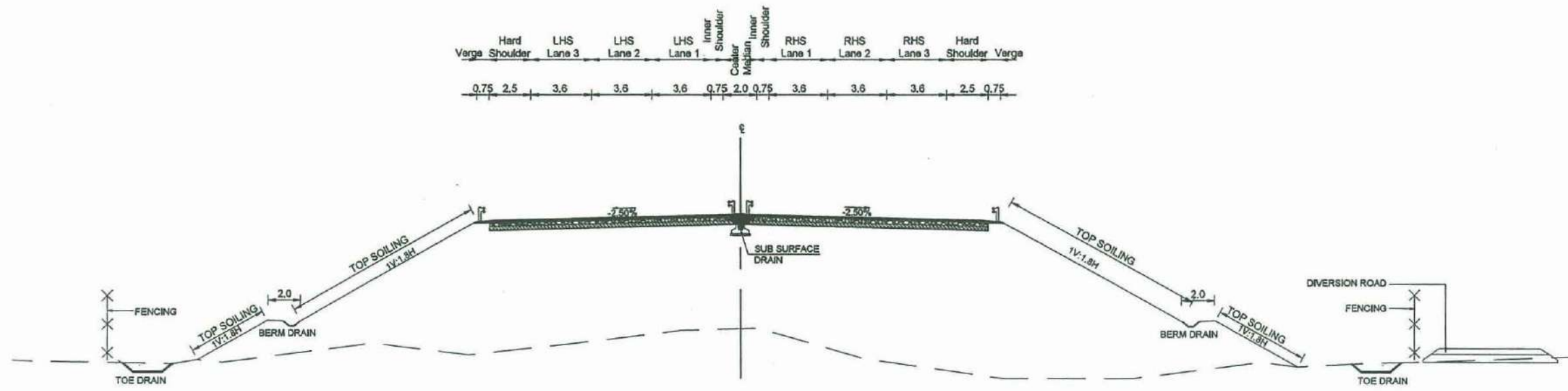
DRG.No. : DD/FWD/SP/ESE/GD/EWFS/S-2/1.4/003

TYPICAL CROSS SECTIONS FOR 4 LANE

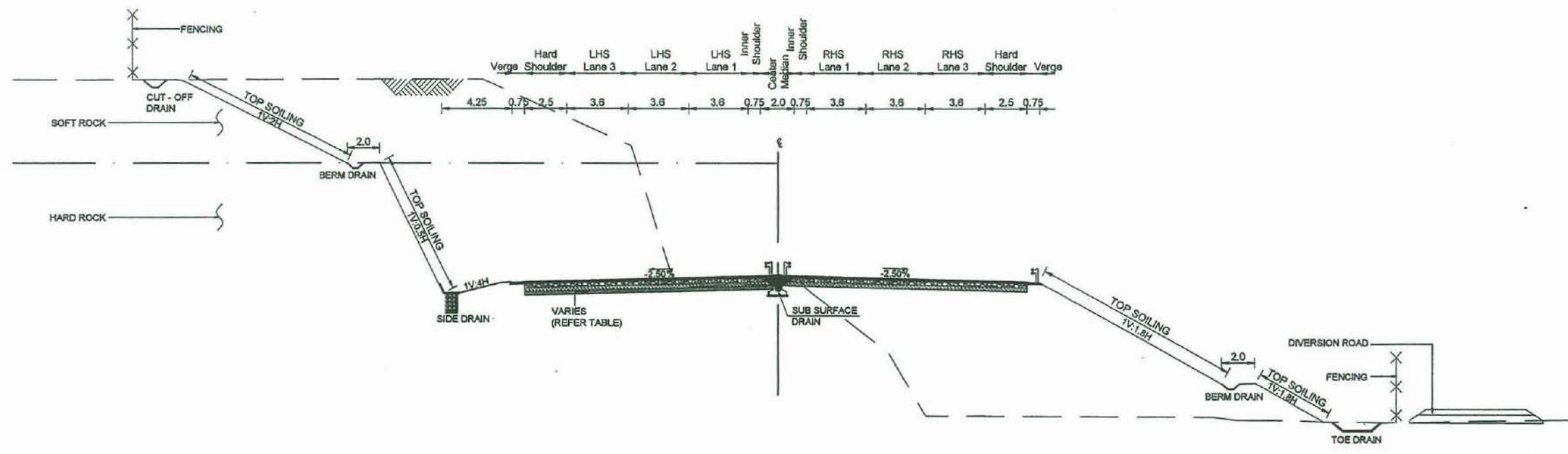
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TYPICAL CROSS SECTION FOR FILL ( 6 LANE)



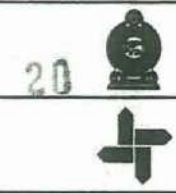
TYPICAL CROSS SECTION FOR EXCAVATION & FILLING ( 6 LANE)

- NOTES
- 1) ADDITIONAL 4.25m IS PROVIDED FOR CLEARANCE AT CUTTING AREA.
  - 2) HOWEVER CUT & FILL SLOPES & DEPTHS MAY VARY DEPENDING ON THE GEOTECHNICAL CONDITIONS.

EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA.  
( SECTION -02 )

TYPICAL CROSS SECTIONS FOR 6 LANE

SCALE - 1:300



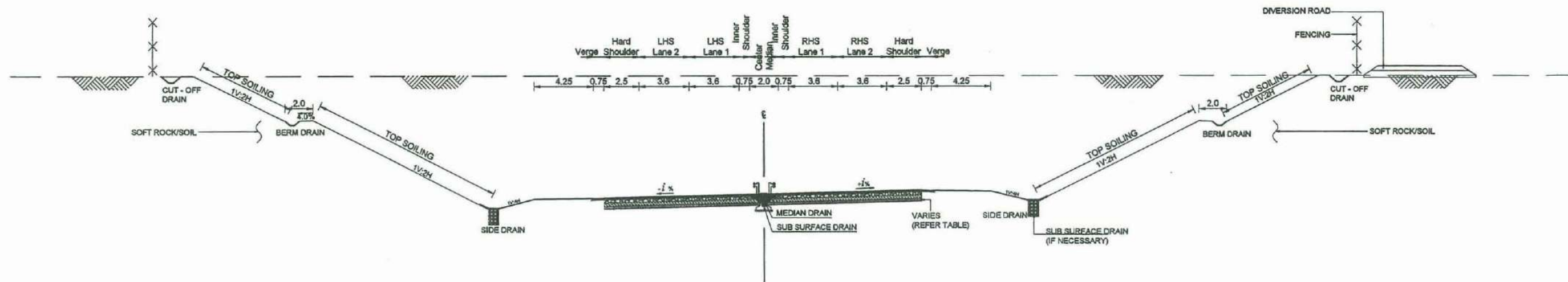
DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
MINISTRY OF PORTS & HIGHWAYS

DESIGN OFFICE (C.P.),  
ROAD DEVELOPMENT AUTHORITY  
S.W.R.D. BANDARANAIKE MAWATHA, KANDY  
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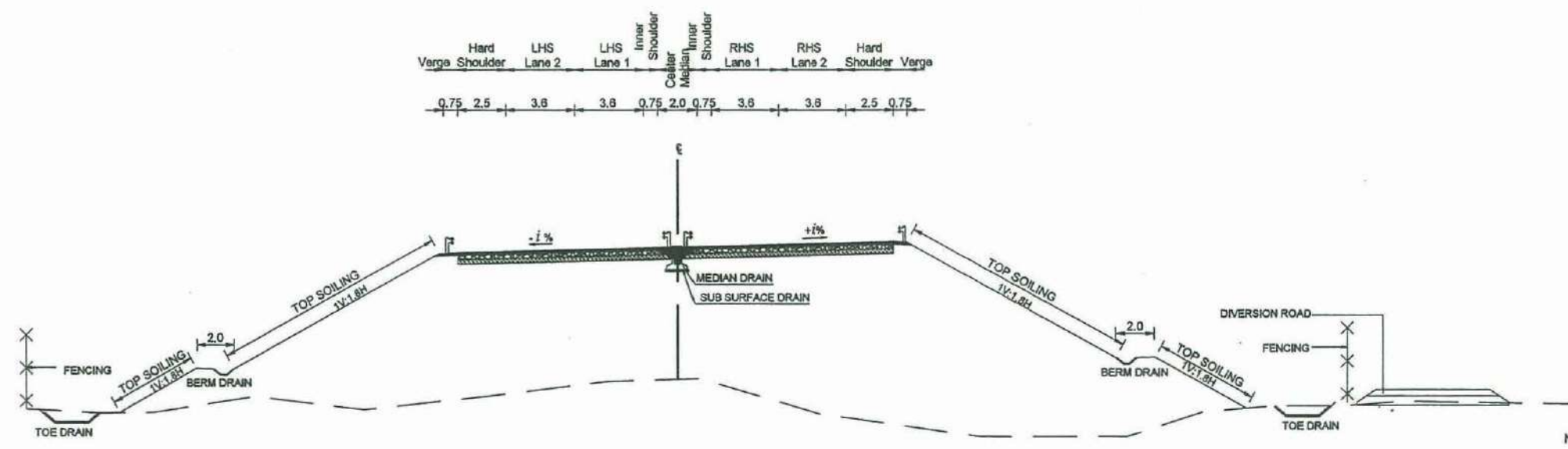
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DATE : \_\_\_\_\_ Sheet : 06 of 17  
DRG.No. : DD/FWD/SP/ESE/GD/EWFS/S-2/1.4/006





TYPICAL CROSS SECTION FOR EXCAVATION AT SUPERELEVATED SECTIONS (4 LANE)



TYPICAL CROSS SECTION FOR FILL AT SUPERELEVATED SECTIONS (4 LANE)

- NOTES
- 1) ADDITIONAL 4.25m IS PROVIDED FOR CLEARANCE AT CUTTING AREA.
  - 2) 1% - LANE SUPER ELEVATION.
  - 3) HOWEVER CUT & FILL SLOPES & DEPTHS MAY VARY DEPENDING ON THE GEOTECHNICAL CONDITIONS.

EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA.  
( SECTION -02 )

21 DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
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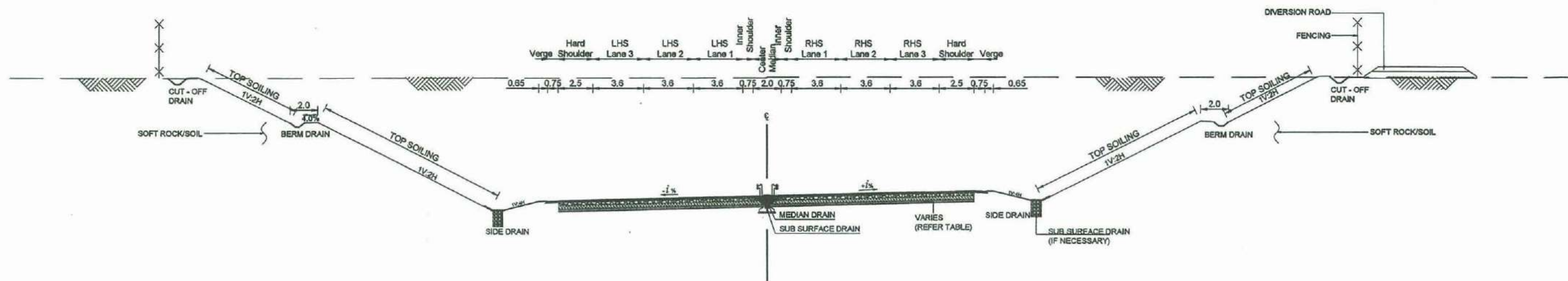
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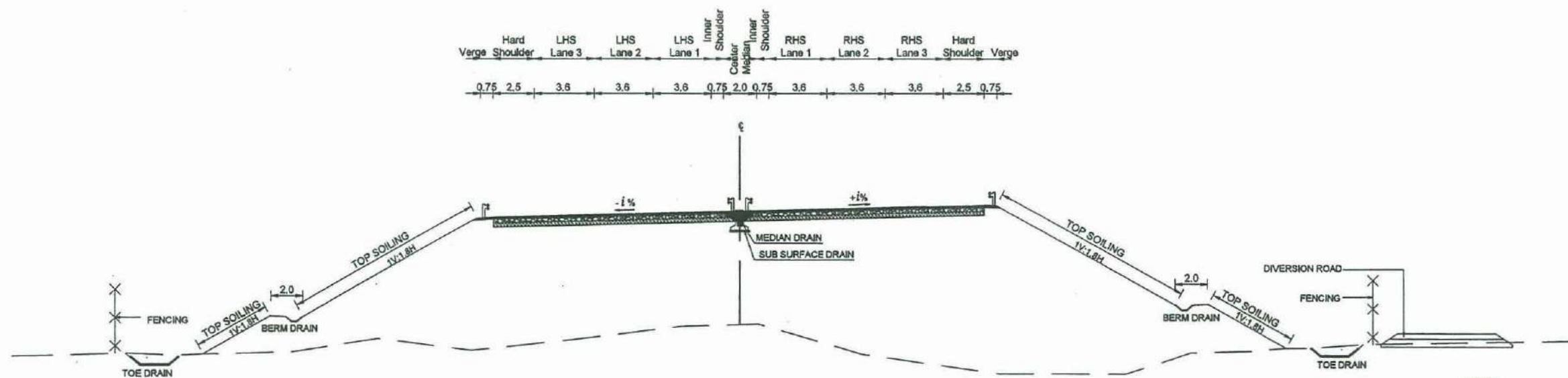
TYPICAL CROSS SECTIONS FOR 4 LANE

SCALE - 1:300





TYPICAL CROSS SECTION FOR EXCAVATION AT SUPERELEVATED SECTIONS (6 LANE)



TYPICAL CROSS SECTION FOR FILL AT SUPERELEVATED SECTIONS (6 LANE)

NOTES

- 1) ADDITIONAL 4.25m IS PROVIDED FOR CLEARANCE AT CUTTING AREA.
- 2) 1% - LANE SUPER ELEVATION.
- 3) HOWEVER CUT & FILL SLOPES & DEPTHS MAY VARY DEPENDING ON THE GEOTECHNICAL CONDITIONS.

EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA.  
( SECTION -02 )

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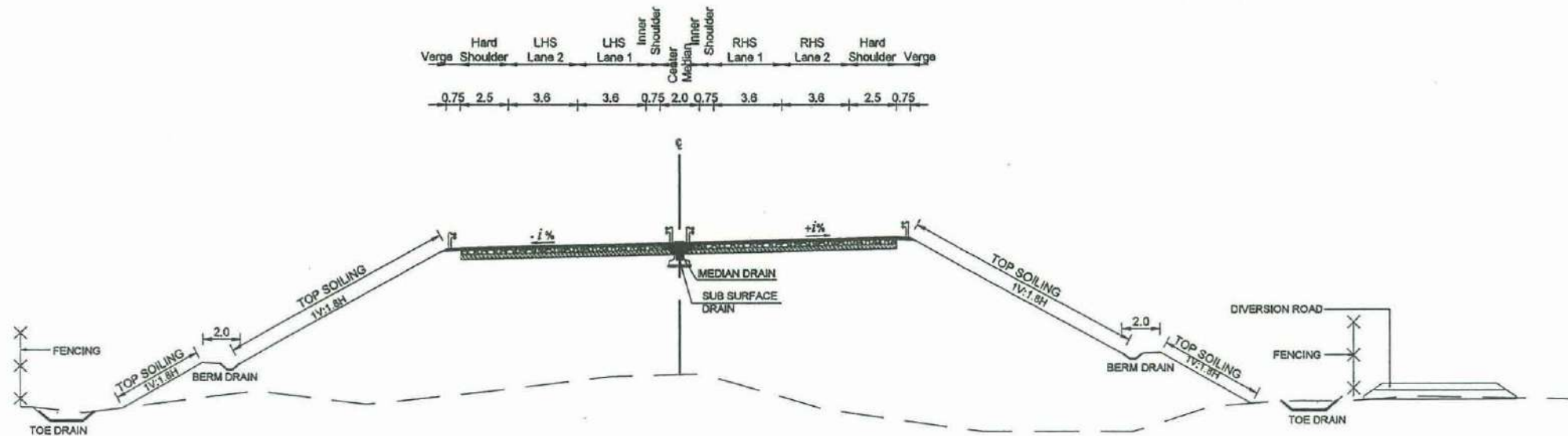
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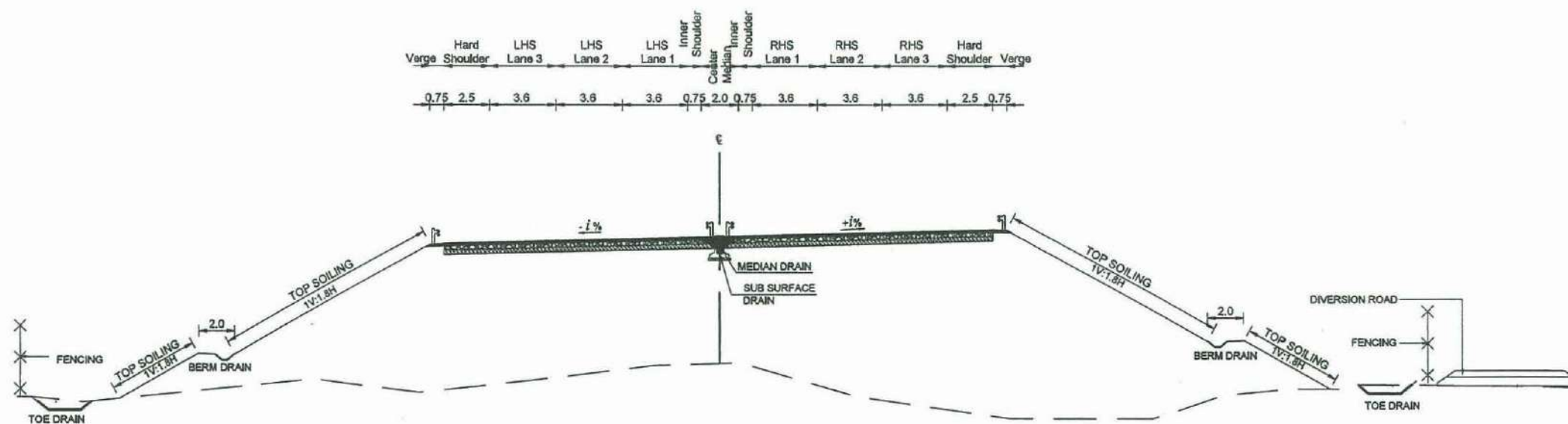
TYPICAL CROSS SECTIONS FOR 6 LANE

SCALE - 1:300





TYPICAL CROSS SECTION FOR FILL AT SUPERELEVATED SECTIONS (4 LANE)



TYPICAL CROSS SECTION FOR FILL AT SUPERELEVATED SECTIONS (6 LANE)

NOTES

- 1) ADDITIONAL 4.25m IS PROVIDED FOR CLEARANCE AT CUTTING AREA.
- 2) i% - LANE SUPER ELEVATION.
- 3) HOWEVER CUT & FILL SLOPES & DEPTHS MAY VARY DEPENDING ON THE GEOTECHNICAL CONDITIONS.

EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA.  
( SECTION -02 )

TYPICAL CROSS SECTIONS FOR 4 LANE => 6 LANE

SCALE - 1:300



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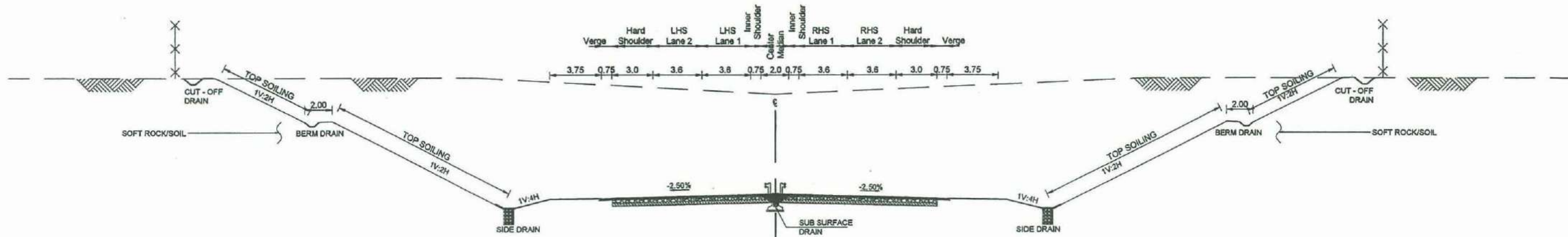
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ROAD DEVELOPMENT AUTHORITY  
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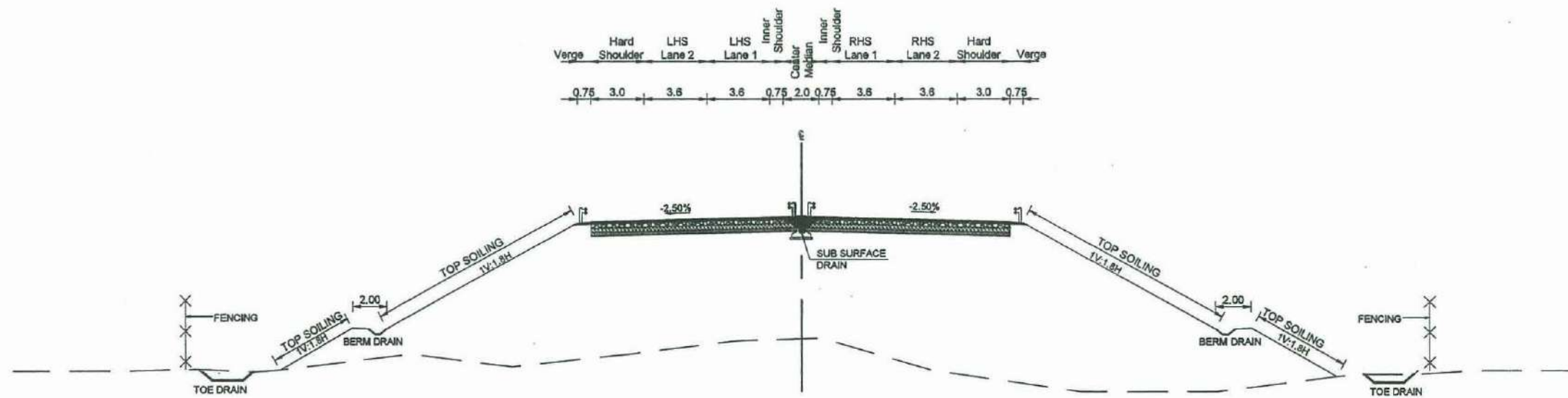
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DRG.No. : DD/FWD/SP/ESE/GD/EW/FS/S-2/1.4/009





TYPICAL CROSS SECTION BETWEEN TWO INTERCHANGE NOSES - CUT (4 LANE)



TYPICAL CROSS SECTION BETWEEN TWO INTERCHANGE NOSES - FILL (4 LANE)

NOTES

- 1) ADDITIONAL 3.75m IS PROVIDED FOR CLEARANCE AT CUTTING AREA.
- 2) HOWEVER CUT & FILL SLOPES & DEPTHS MAY VARY DEPENDING ON THE GEOTECHNICAL CONDITIONS.

EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA.  
(SECTION -02)

TYPICAL CROSS SECTIONS FOR 4 LANE BETWEEN TWO INTERCHANGE NOSES

SCALE - 1:300

25



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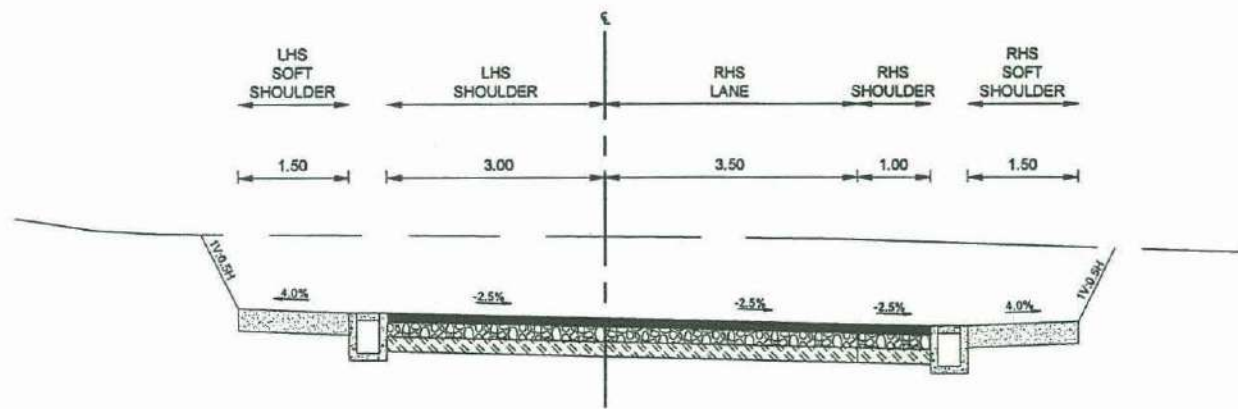
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Sheet : 01 of 17

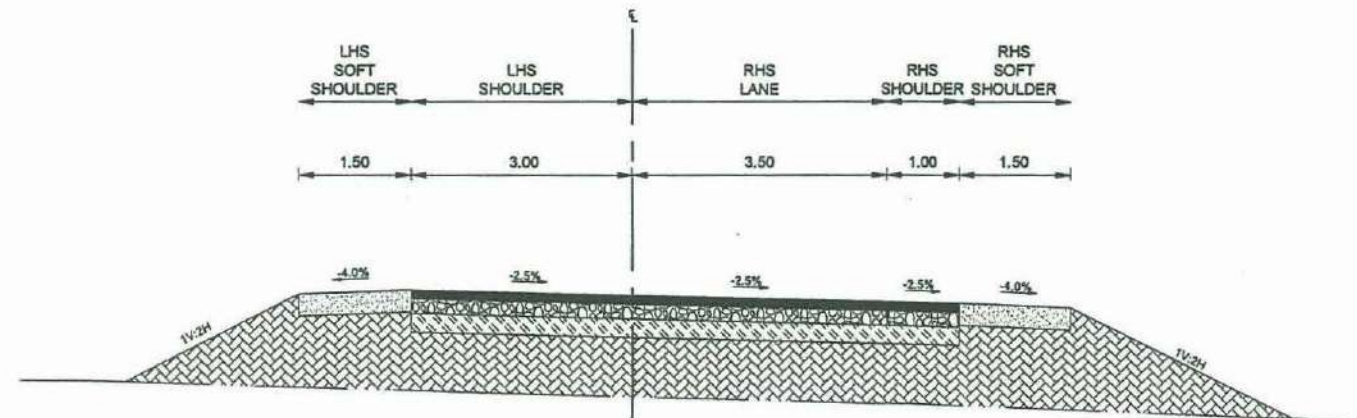
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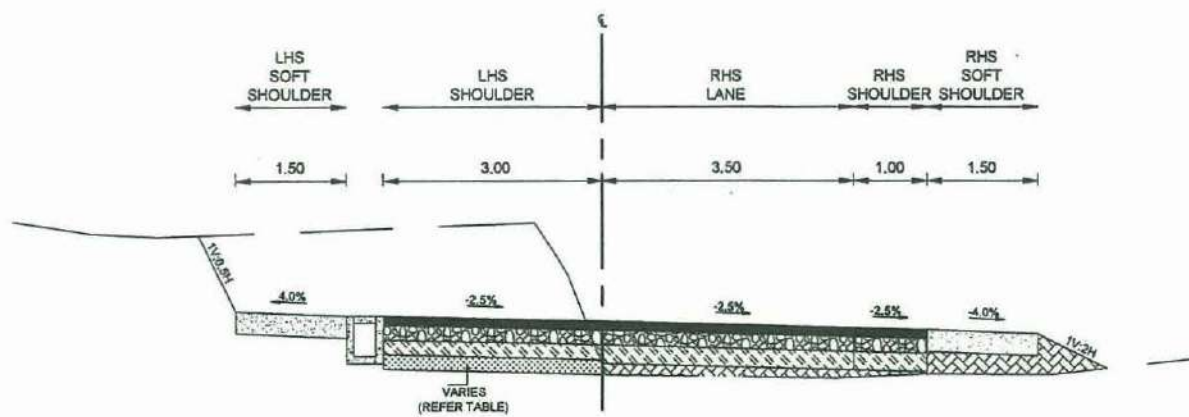




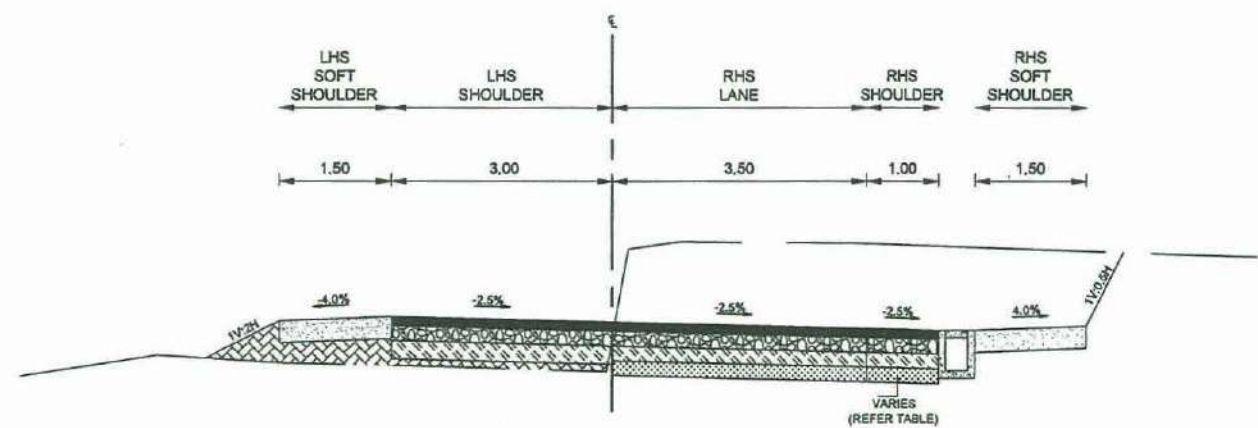
TS R1 : TYPICAL SECTION FOR SINGLE LANE RAMP BOTH SIDE CUT



TS R2 : TYPICAL SECTION FOR SINGLE LANERAMP WITH BOTH SIDE FILL



TS R3 : TYPICAL SECTION FOR SINGLE LANE RAMP - LHS CUT & RHS FILL



TS R4 : TYPICAL SECTION FOR SINGLE LANERAMP - RHS CUT & LHS FILL

- NOTES
- 1) ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
  - 2) HOWEVER CUT & FILL SLOPES & DEPTHS MAY VARY DEPENDING ON THE GEOTECHNICAL CONDITIONS.

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTATO WETIYA.  
( SECTION -2 )**

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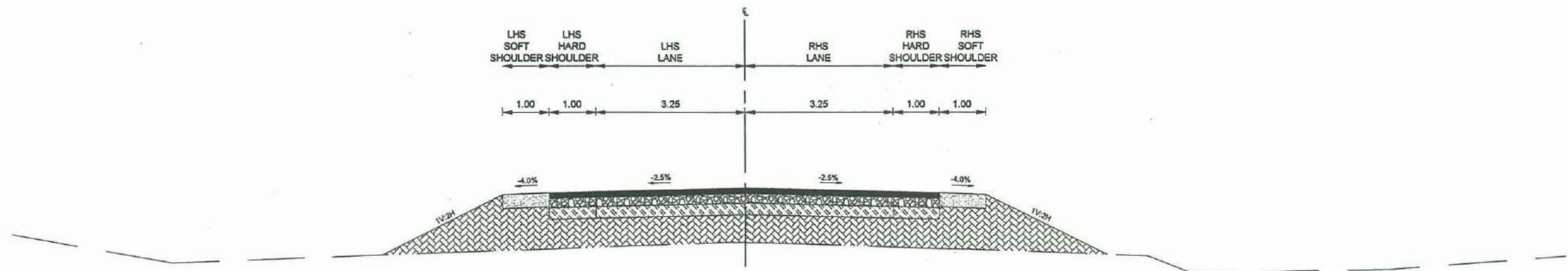
DATE: \_\_\_\_\_ Sheet: 13 of 17

DRG.No. : DD/FWD/SP/ESE/GD/EW/FS/S-21.4/013

TYPICAL CROSS SECTIONS FOR SINGLE LANE RAMP

SCALE - 1:100





TYPICAL SECTION FOR TWO LANE TWO WAY ROAD

NOTES

- 1) ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
- 2) HOWEVER CUT & FILL SLOPES & DEPTHS MAY VARY DEPENDING ON THE GEOTECHNICAL CONDITIONS.

EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WETIYA .  
( SECTION -2 )

39



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MINISTRY OF PORTS & HIGHWAYS



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DATE :

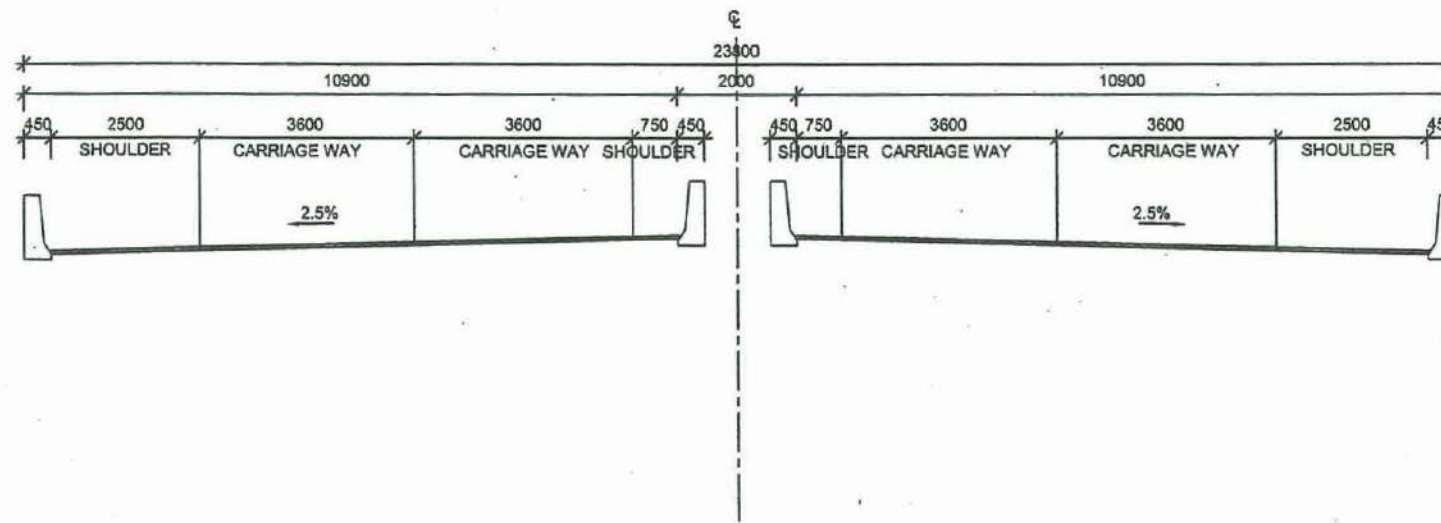
Sheet : 17 of 17

TYPICAL CROSS SECTIONS FOR TWO LANE TWO WAY ROAD

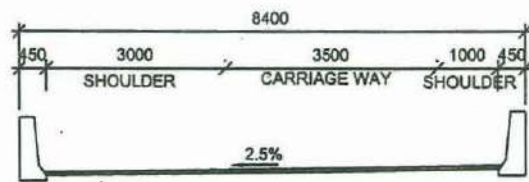
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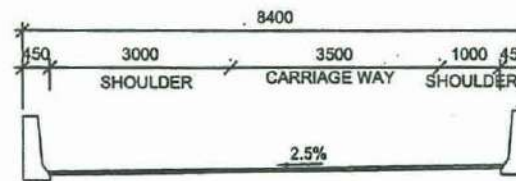




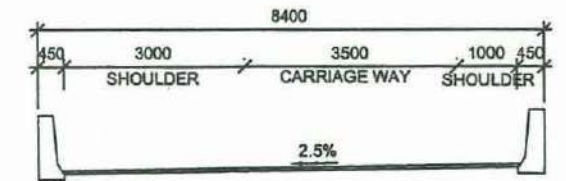
TS ST VD1 :TYPICAL CROSS SECTION (4 LANE) - MAIN VIADUCT  
SCALE :- 1:200



TS ST R1 :TYPICAL CROSS SECTION-RAMP 1  
SCALE :- 1:125



TS ST R2 :TYPICAL CROSS SECTION-RAMP 2  
SCALE :- 1:125



TS ST R3 :TYPICAL CROSS SECTION-RAMP 3  
SCALE :- 1:125

NOTES :-  
1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES ABOVE MEAN SEA LEVEL UNLESS OTHERWISE STATED.

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WERIYA.  
( SECTION -2 )**

31



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
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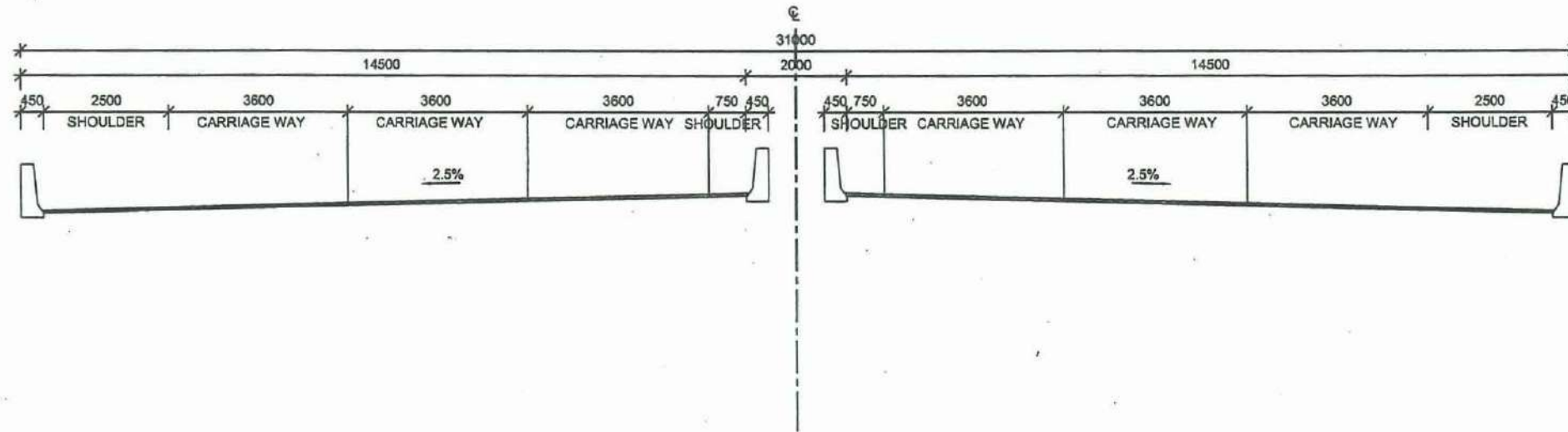
DATE : \_\_\_\_\_ Sheet : 11 of 17

TYPICAL CROSS SECTIONS (4 LANE)-MAIN VIA DUCT

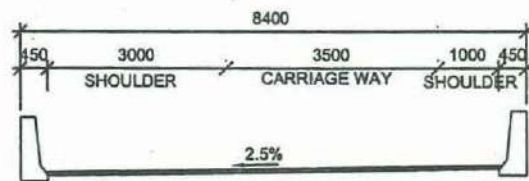
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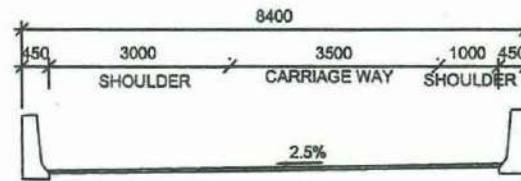




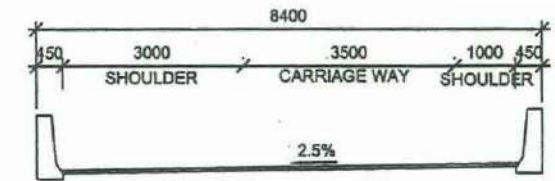
TS ST VD1 : TYPICAL CROSS SECTION (6 LANE) - MAIN VIADUCT  
SCALE :- 1:200



TS ST R1 : TYPICAL CROSS SECTION-RAMP 1  
SCALE :- 1:125



TS ST R2 : TYPICAL CROSS SECTION-RAMP 2  
SCALE :- 1:125



TS ST R3 : TYPICAL CROSS SECTION-RAMP 3  
SCALE :- 1:125

NOTES :-  
1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES ABOVE MEAN SEA LEVEL UNLESS OTHERWISE STATED.

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WERIYA.  
( SECTION -2 )**

TYPICAL CROSS SECTION (6 LANE)-MAIN VIA DUCT

SCALE - 1:100

32



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
MINISTRY OF PORTS & HIGHWAYS

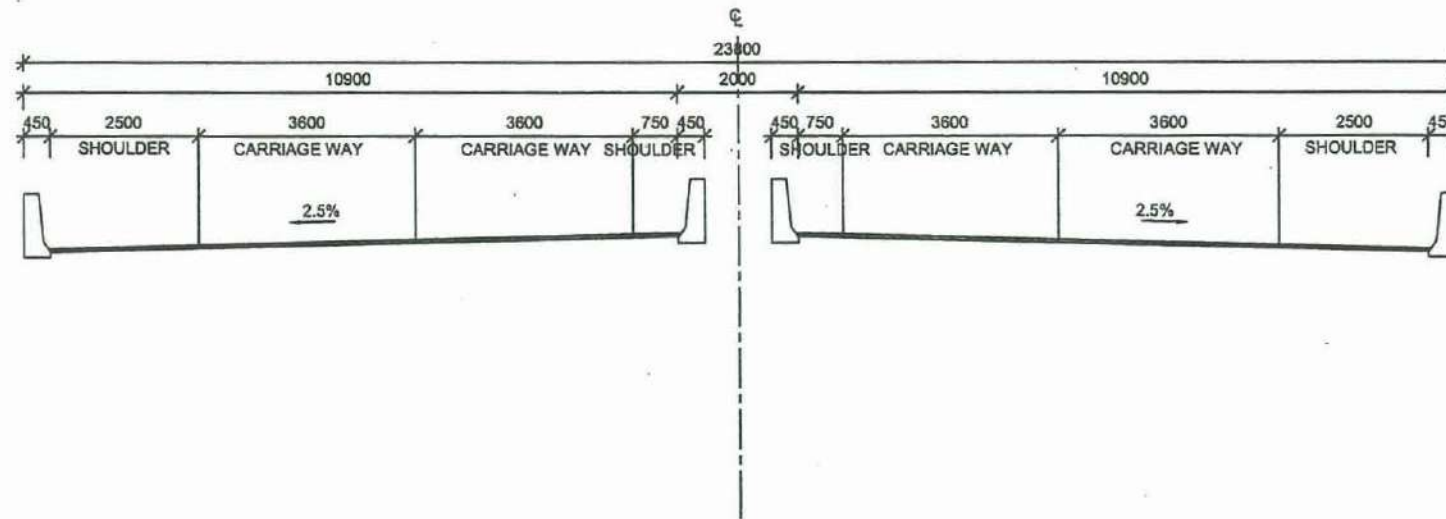


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ROAD DEVELOPMENT AUTHORITY  
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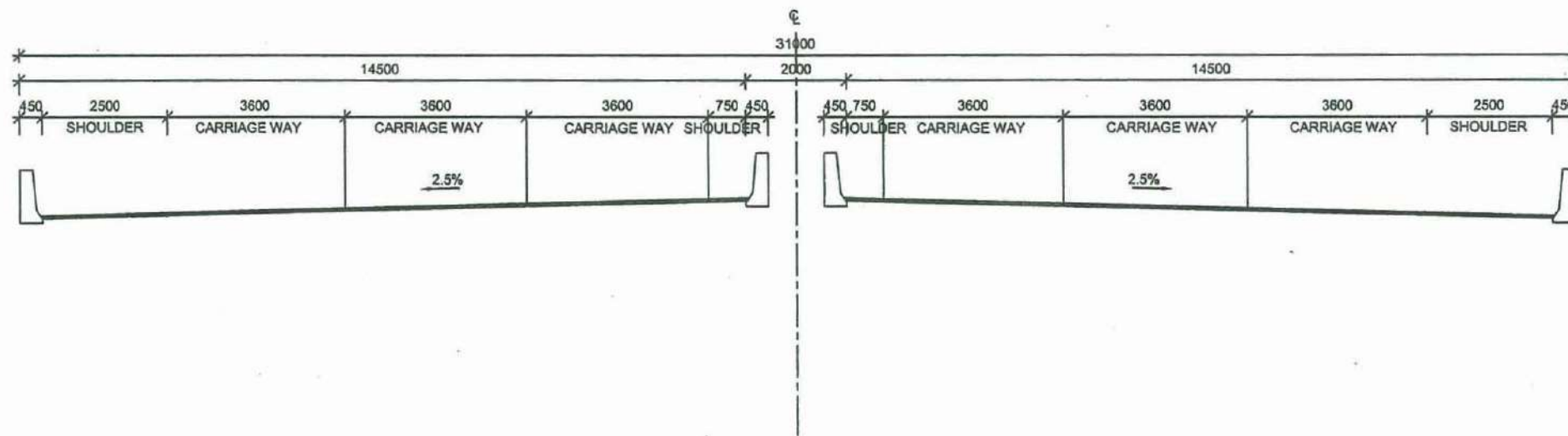
DATE : \_\_\_\_\_  
Sheet : 12 of 17  
DRG.No. : DD/FWD/SP/ESE/GD/EWIFS/S-2/1.4/012





TS ST VD1 : TYPICAL CROSS SECTION (4 LANE) - MAIN VIADUCT

SCALE :- 1:200



TS ST VD1 : TYPICAL CROSS SECTION (6 LANE) - MAIN VIADUCT

SCALE :- 1:200

NOTES :-  
1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES ABOVE MEAN SEA LEVEL UNLESS OTHERWISE STATED.

EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTA TO WERIYA.  
( SECTION -2 )

33



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DATE : \_\_\_\_\_ Sheet : 10 of 17

TYPICAL CROSS SECTIONS (4 LANE => 6 LANE)-MAIN VIA DUCT

SCALE - 1:100

DRG.No. : DD/FWD/SP/ESE/GD/EW/F/S-2/1.4/010





**GOVERNMENT OF DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
MINISTRY OF PORTS & HIGHWAYS**



**ROAD DEVELOPMENT AUTHORITY**

**VOLUME - 4**

**PART - 2**

**EXTENSION OF SOUTHERN EXPRESSWAY FROM BELIATTE TO WETIYA**

**SECTION 2- 26km**

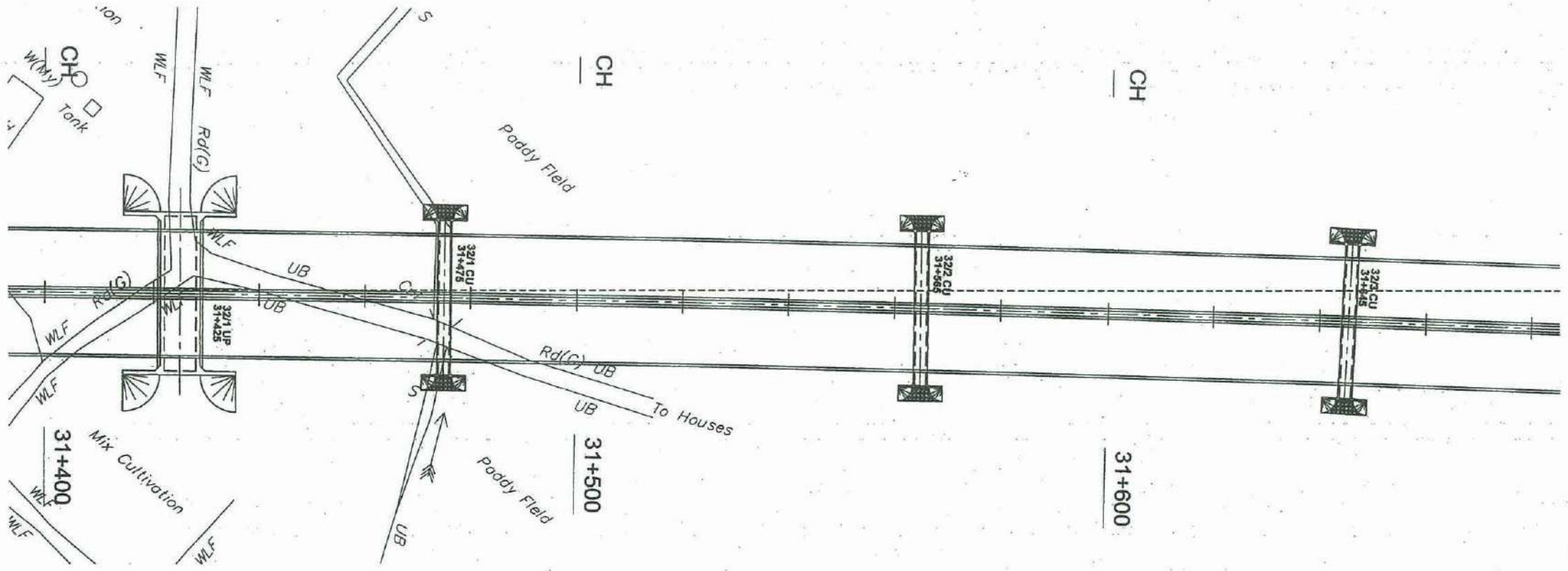
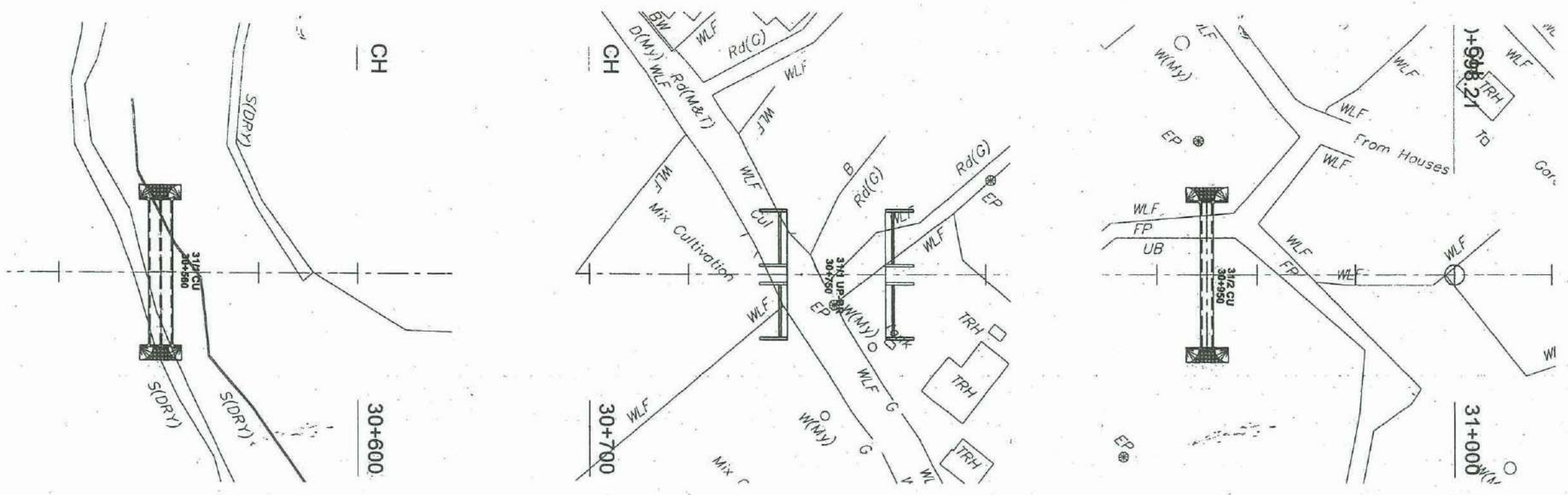
**PRELIMINARY STRUCTURAL DESIGNS**

**Design Office (Central Province)  
Road Development Authority  
S.W.R.D. Bandaranayake Mawatha  
Kandy**

**AUGUST 2013**

*AS*





Culvert No	Chainage	Type	Opening Size	Fill Height (m)	Structure Length (m)
31/1 CU	30+560	BOX	2x2	6.000	54.600
31/2 CU	30+950	BOX	2X2	0.500	28.600
32/1 CU	31+475	BOX	2X2	2.860	38.040
32/2 CU	31+565	BOX	2X2	2.400	36.200
32/3 CU	31+645	BOX	2X2	2.400	36.200

ST.No	CH	Road Class	Structure height	Structure Length
32/1 UP	31+425	E	7.725	28.0

Structure No.	Location	Road Class	Structure	Height
31/1 UP-BR	30+750	C	A1	6.5
			A2	6.5
			w.wall	
			deck & diph	
			aprch. slab	

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA (SECTION -2)**

**STRUCTURE ARRANGEMENT - LENGTH I (30+000 - 40+000)**

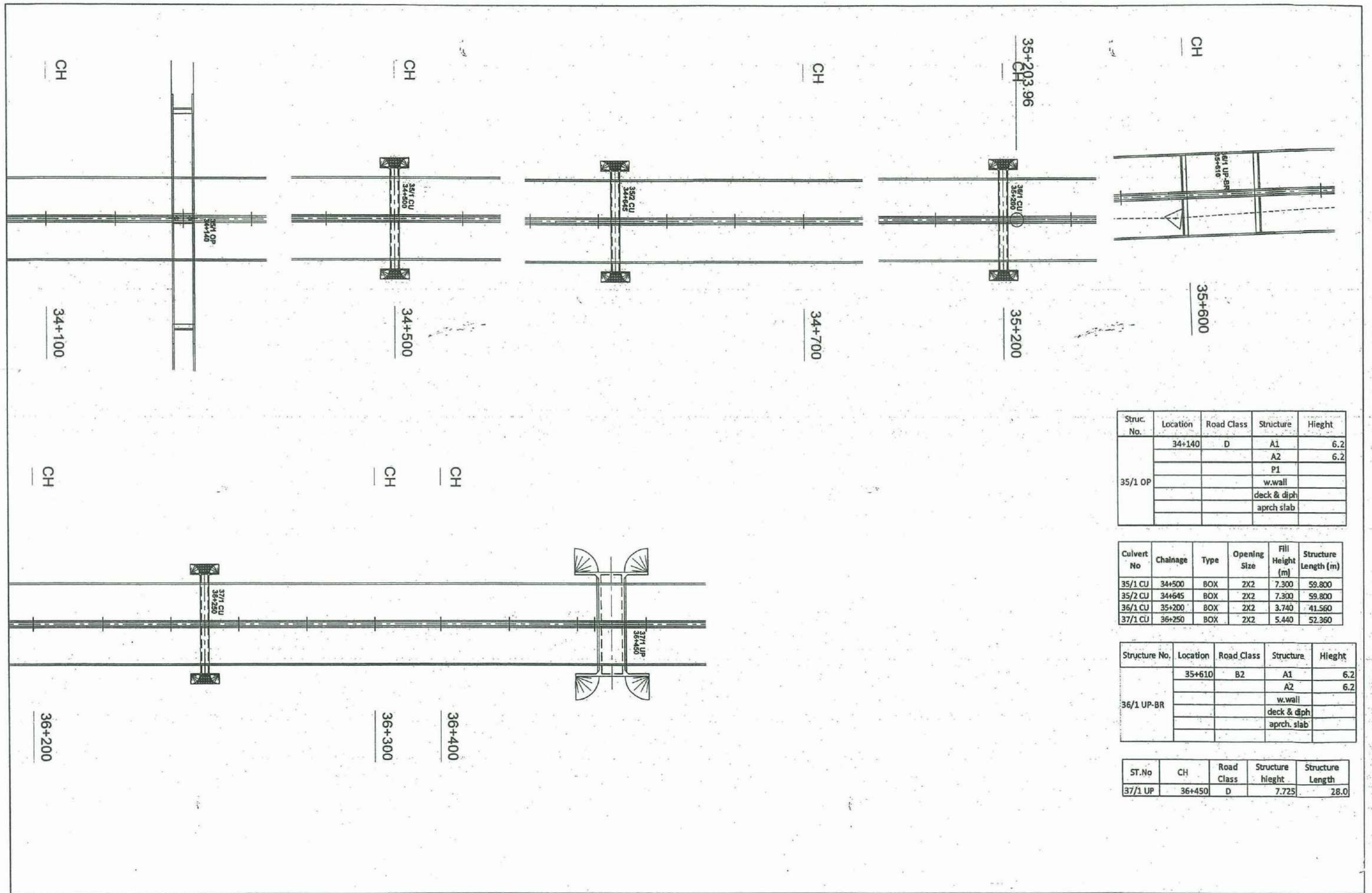
**STRUCTURE LOCATION (CH 30+000 TO CH 31+650)**

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Sheet 01 of 04  
DRG.No. : DD-PWO-SP-ESE-ST-EWFS-S2-GA-001





Struc. No.	Location	Road Class	Structure	Hieght
35/1 OP	34+140	D	A1	6.2
			A2	6.2
			P1	
			w.wall	
			deck & diph aprch slab	

Culvert No	Chainage	Type	Opening Size	Fill Height (m)	Structure Length (m)
35/1 CU	34+500	BOX	2X2	7.300	59.800
35/2 CU	34+645	BOX	2X2	7.300	59.800
36/1 CU	35+200	BOX	2X2	3.740	41.560
37/1 CU	36+250	BOX	2X2	5.440	52.360

Structure No.	Location	Road Class	Structure	Hieght
36/1 UP-BR	35+610	B2	A1	6.2
			A2	6.2
			w.wall	
			deck & diph	
			aprch. slab	

ST.No	CH	Road Class	Structure hieght	Structure Length
37/1 UP	36+450	D	7.725	28.0

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
( SECTION -2)**

**STRUCTURE ARRANGEMENT - LENGTH I (30+000 - 40+000)**

**STRUCTURE LOCATION (CH 34+100 TO CH 36+450)**

33



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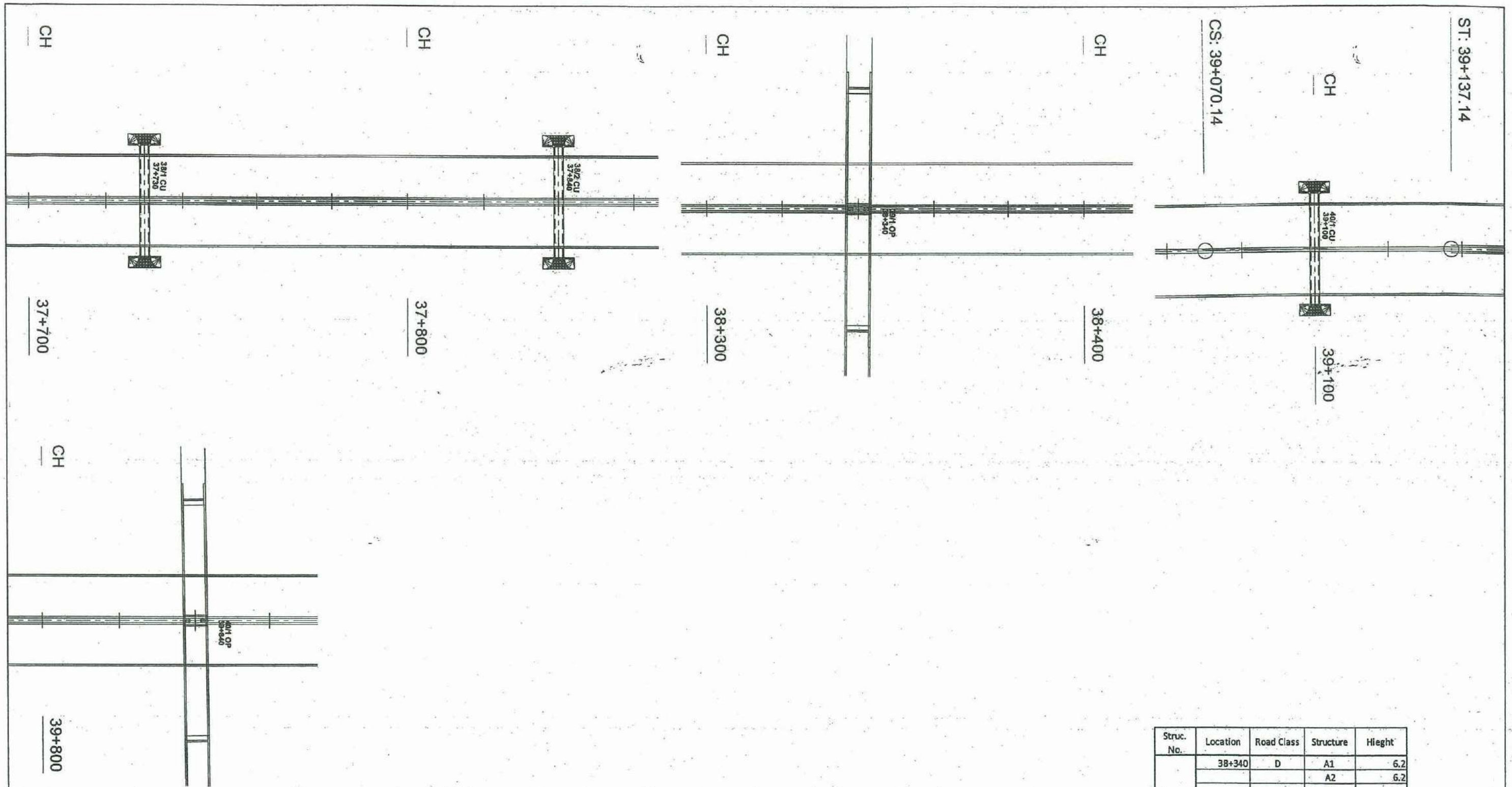
DESIGN OFFICE (C.P.),  
ROAD DEVELOPMENT AUTHORITY  
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DATE: 08/11/15 Sheet 03 of 04

DRG.No. : DD-FWD-SP-ESE-ST-EWFS-S2-GA-001





Culvert No	Chainage	Type	Opening Size	Fill Height (m)	Structure Length (m)
38/1 CU	37+730	BOX	2X2	1.800	33.800
38/2 CU	37+840	BOX	2X2	1.800	33.800
40/1 CU	39+100	BOX	2X2	0.300	27.800

Struc. No.	Location	Road Class	Structure	Height
39/1 OP	38+340	D	A1	6.2
			A2	6.2
			P1	
			w.wall	
			deck & diph	
			aprch slab	
40/1 OP	39+840	C	A1	6.2
			A2	6.2
			P1	
			w.wall	
			deck & diph	
			aprch slab	

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
( SECTION -2 )**

**STRUCTURE ARRANGEMENT - LENGTH I ( 30+000 - 40+000 )**

**STRUCTURE LOCATION ( CH 37+700 TO CH 39+840 )**

37



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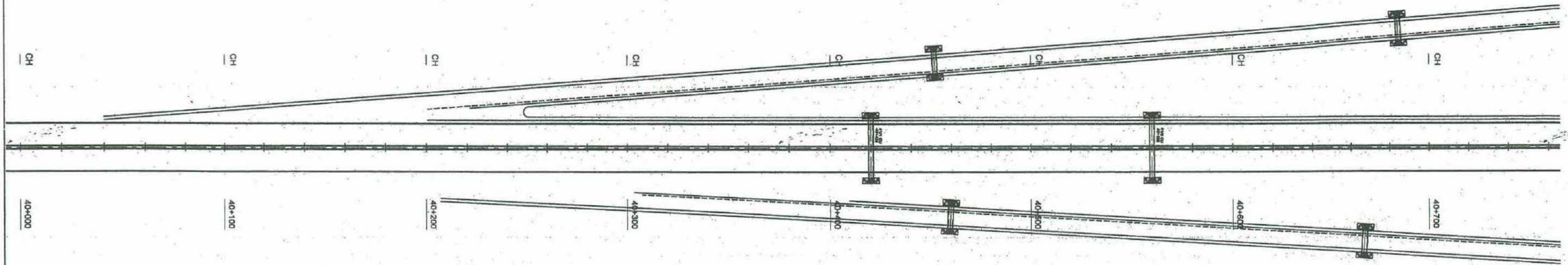


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DATE : \_\_\_\_\_  
Sheet 04 of 04  
DRG.No. : DD-FWD-SP-ESE-ST-EWFS-S2-GA-001





Culvert No	Chainage	Type	Opening Size	Fill Height (m)	Structure Length (m)
41/1 CU	40+420	BOX	2X2	3.600	41.000
41/2 CU	40+550	BOX	2X2	3.800	41.800

IC / Struc. No	Type	Size (m)	Fill height (H)	L (m)
Kasagala 1	BOX	2x2	3.0	22.5
Kasagala 2	BOX	2X2	3.0	22.5
Kasagala 3	BOX	2X2	3.0	22.5
Kasagala 4	BOX	2X2	3.0	22.5

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
( SECTION -2 )**

**STRUCTURE ARRANGEMENT - LENGTH II (40+000 - 41+500) KASAGALA INTERCHANGING**

**STRUCTURE LOCATION (CH 40+000 TO CH 40+750)**



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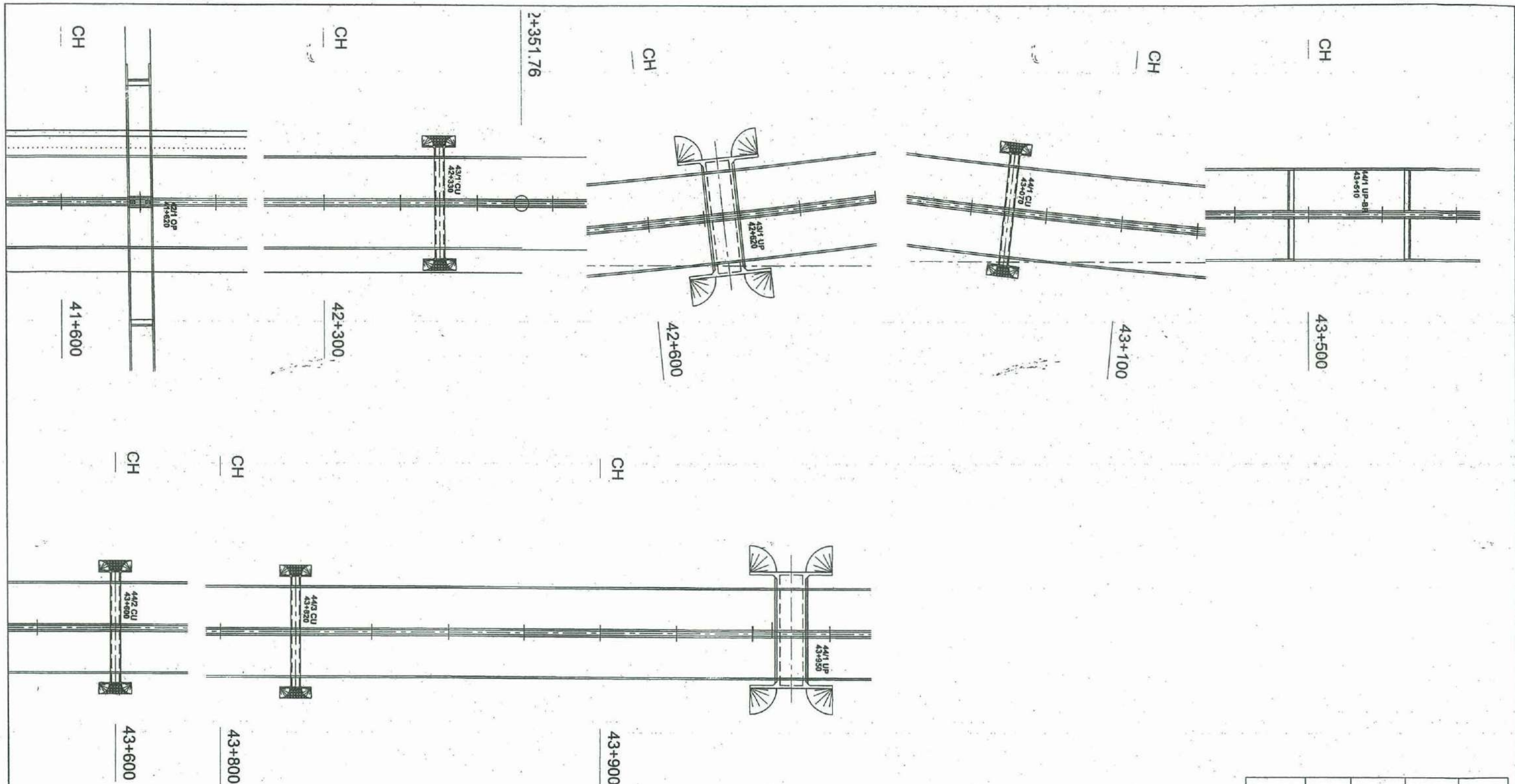


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Struc. No.	Location	Road Class	Structure	Height
42/1 OP	41+620	E	A1	6.2
			A2	6.2
			P1	
			w.wall	
			deck & diph	
			aprch slab	

ST.No	CH	Road Class	Structure height	Structure Length
43/1 UP	42+620	E	7.725	28.0
44/1 UP	43+950	E	7.725	28.0

Culvert No	Chainage	Type	Opening Size	Fill Height (m)	Structure Length (m)
43/1 CU	42+330	BOX	2X2	6.300	55.800
44/1 CU	43+700	BOX	2X2	1.640	33.160
44/2 CU	43+600	BOX	2X2	8.300	63.800
44/3 CU	43+820	BOX	2X2	6.700	57.400

Structure No.	Location	Road Class	Structure	Height
44/1 UP-BR	43+510	B2	A1	6.3
			A2	6.3
			w.wall	
			deck & diph	
			aprch slab	

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA (SECTION - 2)**

**STRUCTURE ARRANGEMENT - LENGTH III (41+500 - 49+100)**

**STRUCTURE LOCATION (CH 41+500 TO CH 43+950)**

40



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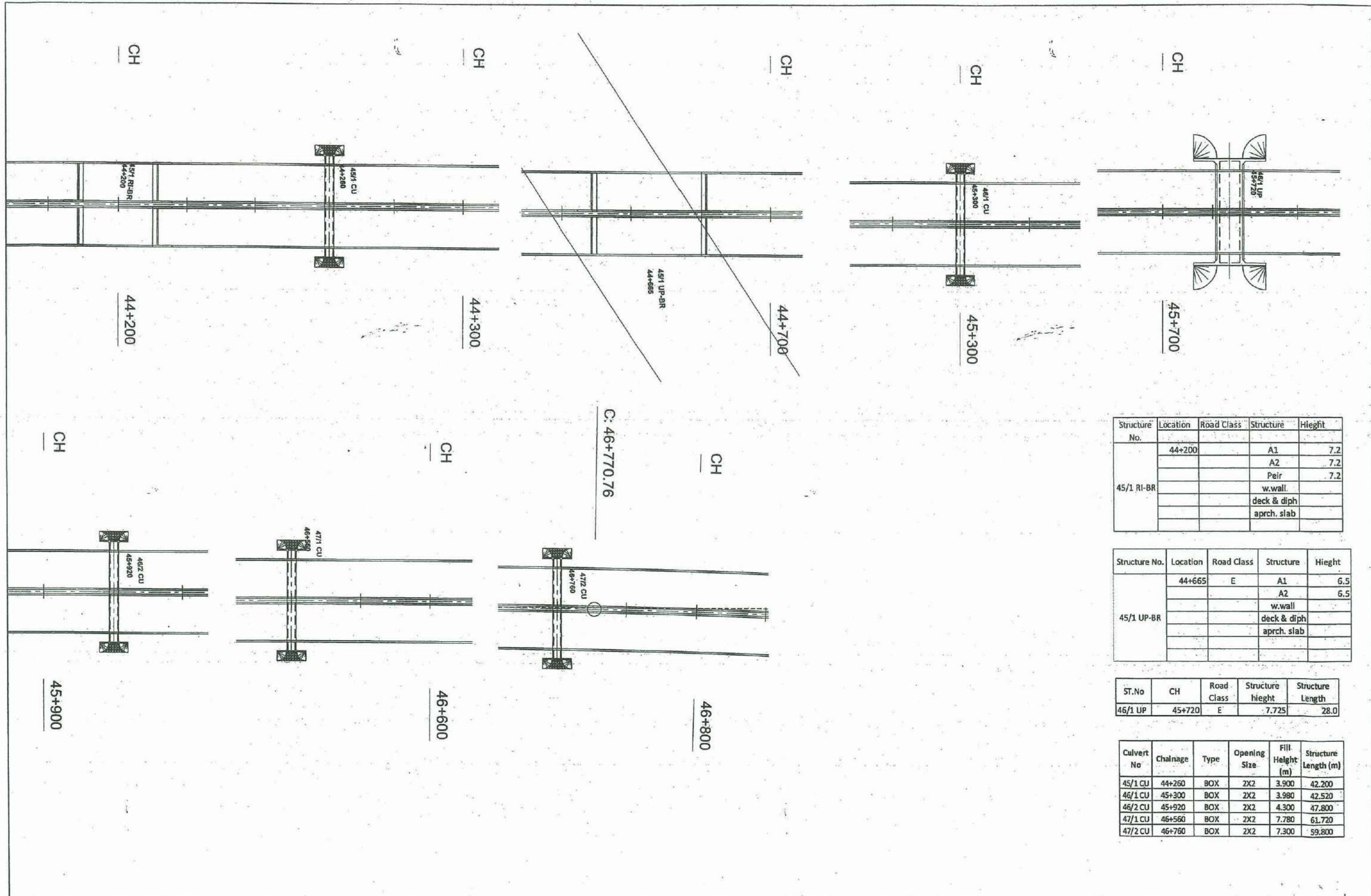
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DATE: 2012/05/25 Sheet 01 of 04

DRG.No. : DD-FWD-SP-ESE-ST-EWFS-52-GA-003





Structure No.	Location	Road Class	Structure	Height
45/1 RI-BR	44+200		A1	7.2
			A2	7.2
			Peir	7.2
			w.wall.	
			deck & diph aprch. slab	

Structure No.	Location	Road Class	Structure	Height
45/1 UP-BR	44+665	E	A1	6.5
			A2	6.5
			w.wall.	
			deck & diph	
			aprch. slab	

St.No	CH	Road Class	Structure height	Structure Length
46/1 UP	45+720	E	7.725	28.0

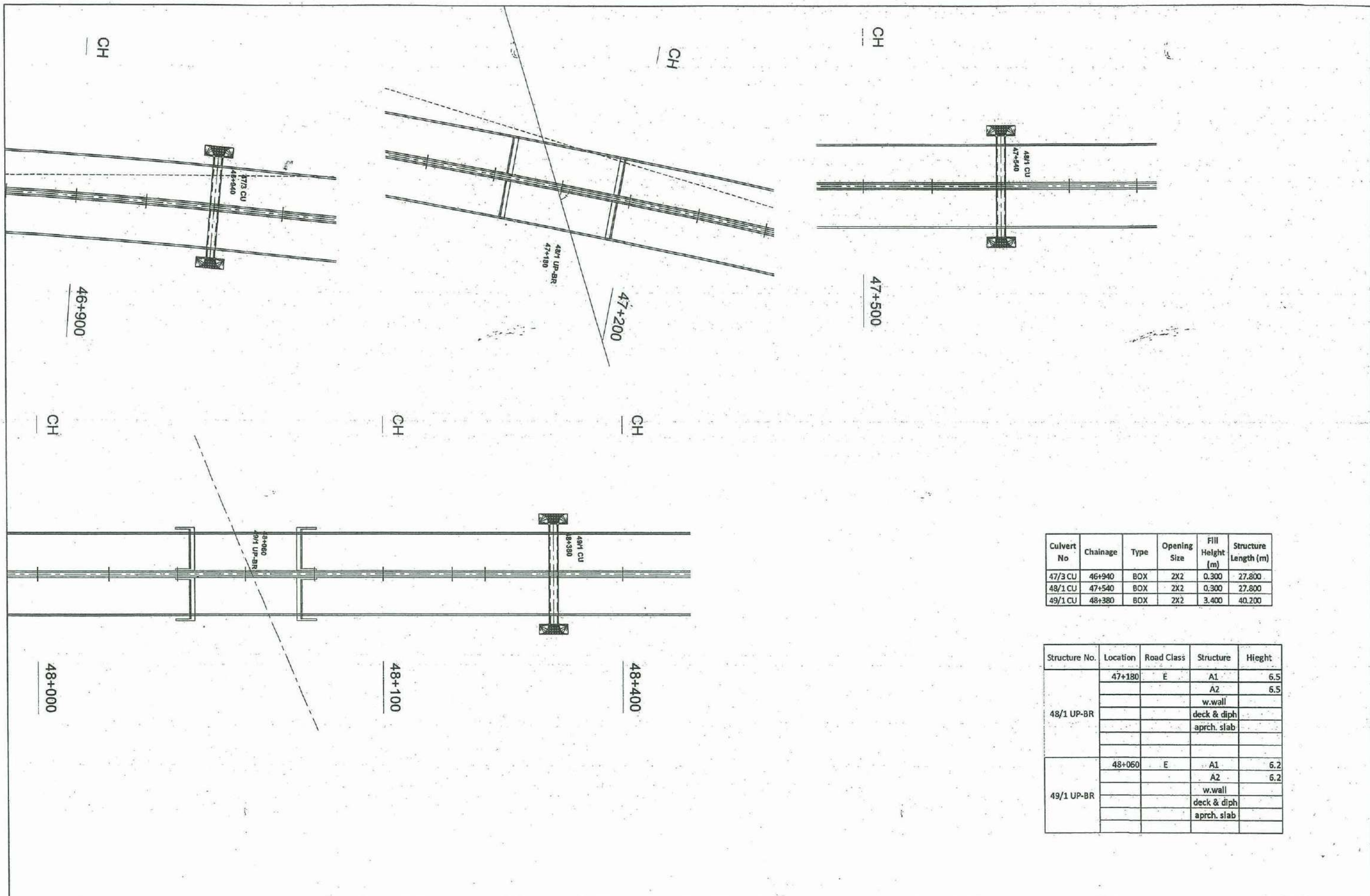
Culvert No	Chainage	Type	Opening Size	Fill Height (m)	Structure Length (m)
45/1 CU	44+260	BOX	2X2	3.900	42.200
46/1 CU	45+300	BOX	2X2	3.980	42.520
46/2 CU	45+920	BOX	2X2	4.300	47.800
47/1 CU	46+560	BOX	2X2	7.780	61.720
47/2 CU	46+760	BOX	2X2	7.300	59.800

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA (SECTION -2)**

**STRUCTURE ARRANGEMENT - LENGTH III (41+500 - 49+100)**

**STRUCTURE LOCATION (CH 44+200 TO CH 46+800)**





Culvert No	Chainage	Type	Opening Size	Fill Height (m)	Structure Length (m)
47/3 CU	46+940	BOX	2X2	0.300	27.800
48/1 CU	47+540	BOX	2X2	0.300	27.800
49/1 CU	48+380	BOX	2X2	3.400	40.200

Structure No.	Location	Road Class	Structure	Height
48/1 UP-BR	47+180	E	A1	6.5
			A2	6.5
			w.wall	
			deck & diph	
			aprch. slab	
49/1 UP-BR	48+060	E	A1	6.2
			A2	6.2
			w.wall	
			deck & diph	
			aprch. slab	

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
( SECTION -2 )**

**STRUCTURE ARRANGEMENT - LENGTH III (41+500 - 49+100)**

**STRUCTURE LOCATION (CH 46+900 TO CH 48+400)**



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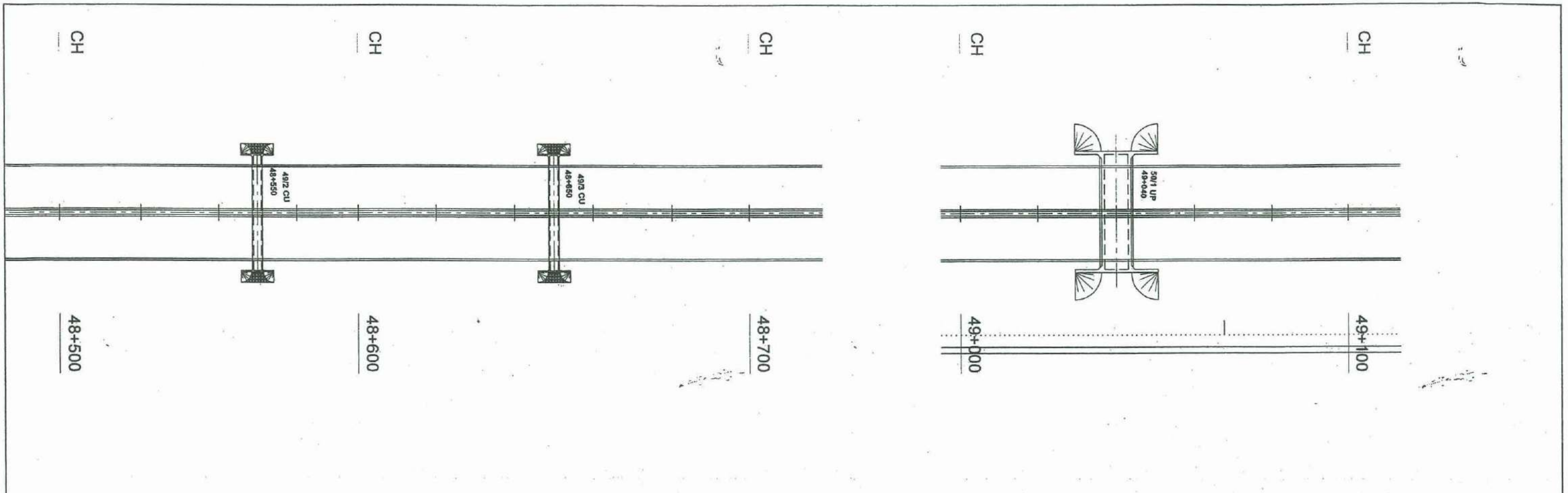


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Sheet 03 of 04





ST.No	CH	Road Class	Structure height	Structure Length
50/1 UP	49+040	E	7.725	28.0

Culvert No	Chainage	Type	Opening Size	Fill Height (m)	Structure Length (m)
49/2 CU	48+550	BOX	2X2	2.400	36.200
49/3 CU	48+650	BOX	2X2	1.800	33.800

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA**  
( SECTION -2)

**STRUCTURE ARRANGEMENT - LENGTH III (41+500 - 49+100)**

**STRUCTURE LOCATION (CH 48+500 TO CH 49+100)**

43



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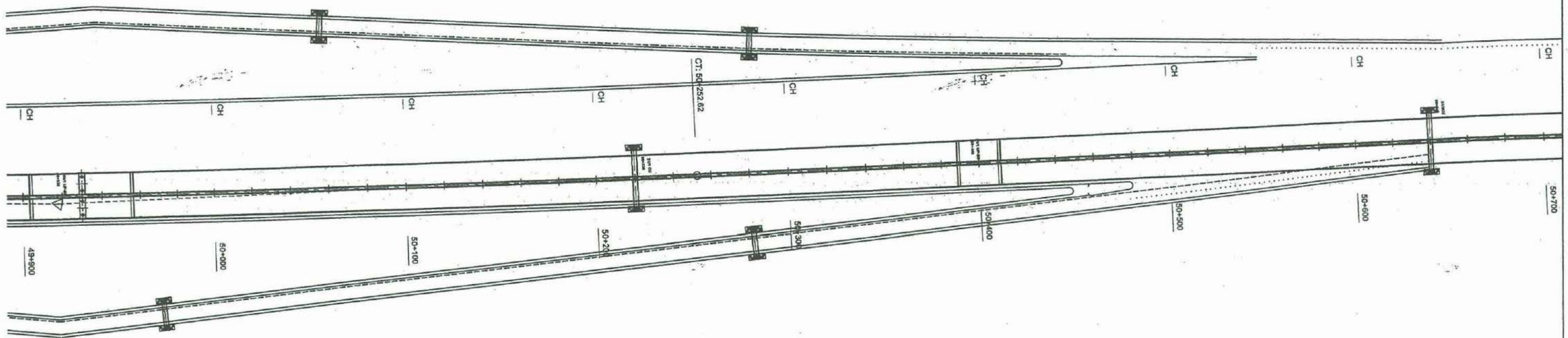
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DRG.No. : DD-FWD-SP-ESE-ST-EWF3-52-GA-003





IC / Struc. No	Type	Size (m)	Fill height (H)	L (m)
Angunakolapalassa 5	BOX	2X2	5.0	30.5
Angunakolapalassa 6	BOX	2X2	5.0	30.5
Angunakolapalassa 7	BOX	2X2	5.0	30.5
Angunakolapalassa 8	BOX	2X2	5.0	30.5

Culvert No	Chainage	Type	Opening Size	Fill Height (m)	Structure Length (m)
51/1 CU	50+220	BOX	2X2	5.900	54.200
51/2 CU	50+640	BOX	2X2	3.600	41.000

Structure No.	Location	Road Class	Structure	Hieght
50/1 UP-BR	49+930	B2	A1	6.2
			A2	6.2
			Peir	6.2
			w.wall	
			deck & diph	
			aprch. slab	

Structure No.	Location	Road Class	Structure	Hieght
51/1 UP-BR	50+400	E	A1	6.2
			A2	6.2
			w.wall	
			deck & diph	
			aprch. slab	

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
(SECTION -2)**

**STRUCTURE ARRANGEMENT - LENGTH IV (49+100 - 50+700) ANGUNAKOLAPALASSA INTERCHANGING**

**STRUCTURE LOCATION (CH 49+850 TO CH 50+700)**

45



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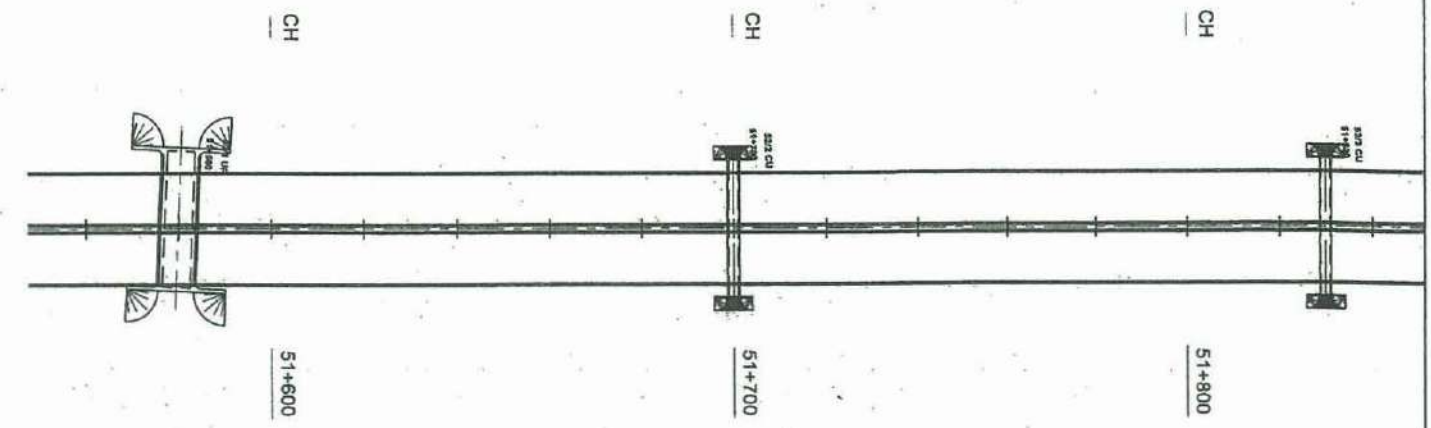
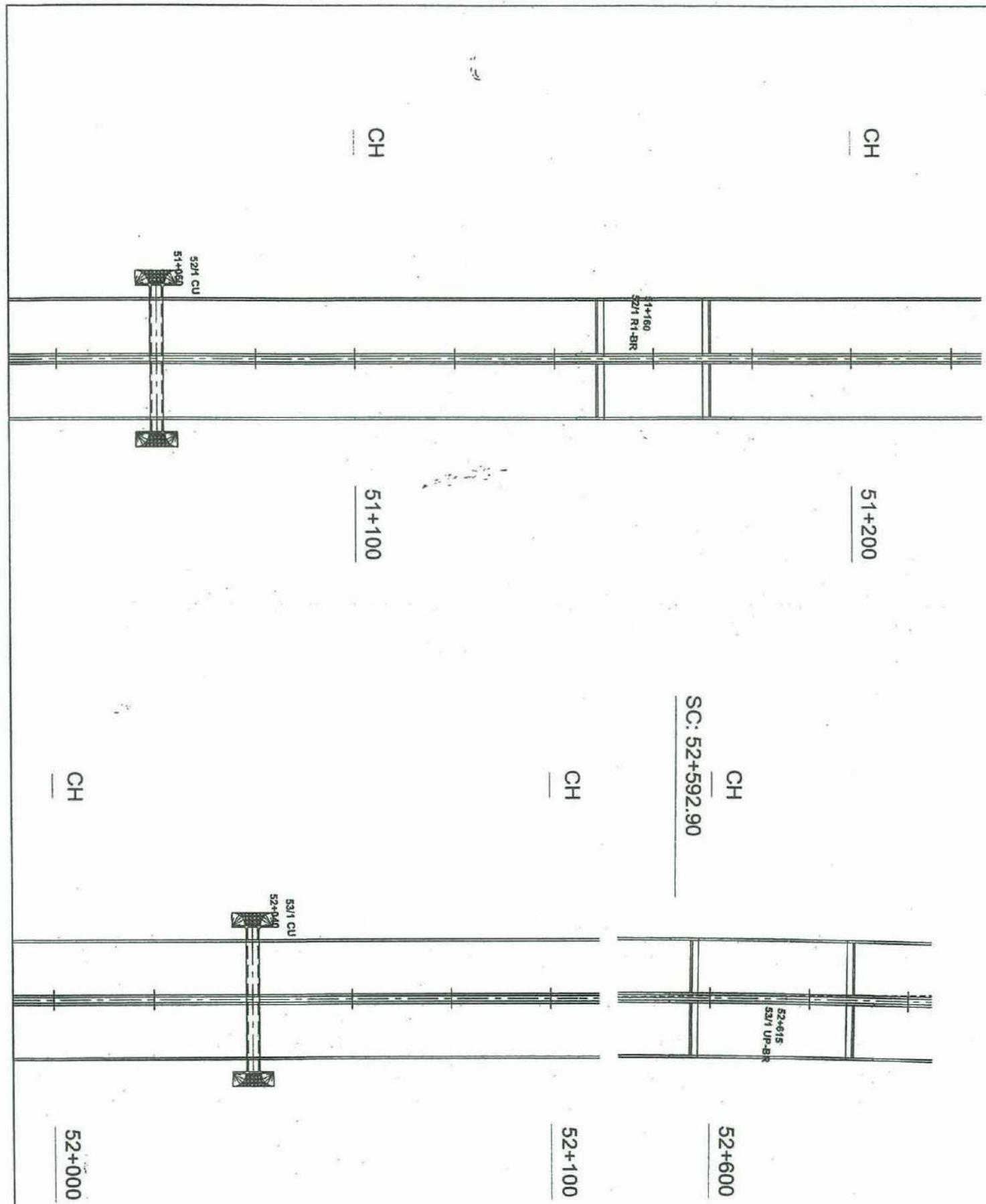
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Sheet 02 of 02

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Culvert No	Chainage	Type	Opening Size	Fill Height (m)	Structure Length (m)
52/1 CU	51+060	BOX	2X2	5.300	51.800
52/2 CU	51+700	BOX	2X2	5.900	54.200
52/3 CU	51+830	BOX	2X2	4.900	50.200
53/1 CU	52+040	BOX	2X2	5.300	51.800

Structure No.	Location	Road Class	Structure	Height
52/1 RI-BR	51+160		A1	7.1
			A2	7.1
			w.wall	
			deck & diph	
			aprch. slab	

Structure No.	Location	Road Class	Structure	Height
53/1 UP-BR	52+615	B2	A1	6.2
			A2	6.2
			w.wall	
			deck & diph	
			aprch. slab	

ST.No	CH	Road Class	Structure Height	Structure Length
52/1 UP	51+580	E	7.725	28.0

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
( SECTION -2 )**

**STRUCTURE ARRANGEMENT - LENGTH V (50+700 - 56+000)**

**STRUCTURE LOCATION (CH 51+000 TO CH 52+615)**

46



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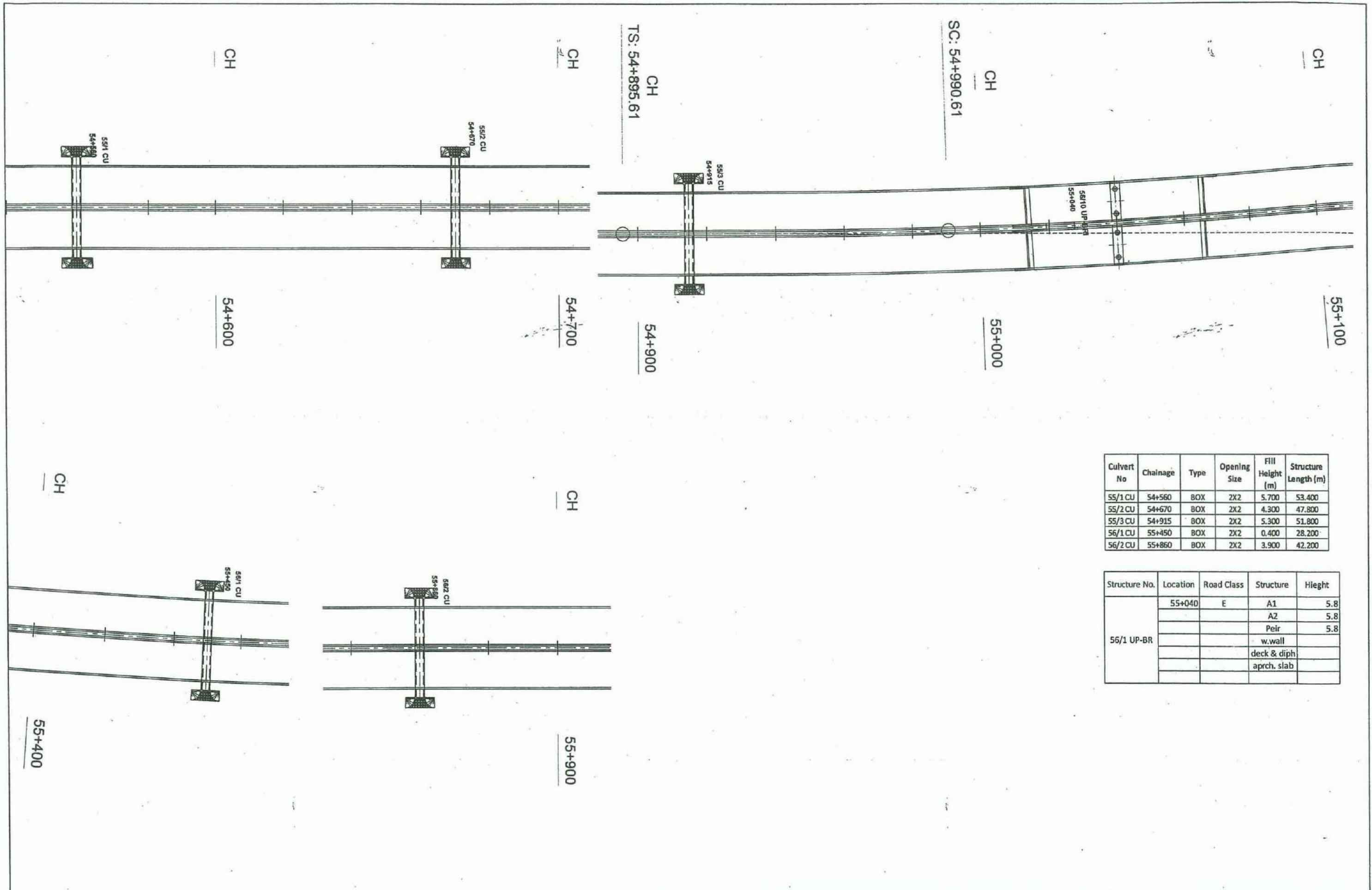
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Culvert No	Chainage	Type	Opening Size	Fill Height (m)	Structure Length (m)
55/1 CU	54+560	BOX	2X2	5.700	53.400
55/2 CU	54+670	BOX	2X2	4.300	47.800
55/3 CU	54+915	BOX	2X2	5.300	51.800
56/1 CU	55+450	BOX	2X2	0.400	28.200
56/2 CU	55+860	BOX	2X2	3.900	42.200

Structure No.	Location	Road Class	Structure	Height
56/1 UP-BR	55+040	E	A1	5.8
			A2	5.8
			Peir	5.8
			w.wall	
			deck & diph	
		aprch. slab		

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
(SECTION -2)**

**STRUCTURE ARRANGEMENT - LENGTH V (50+700 - 56+000)**

**STRUCTURE LOCATION (CH 54+560 TO CH 56+000)**

48



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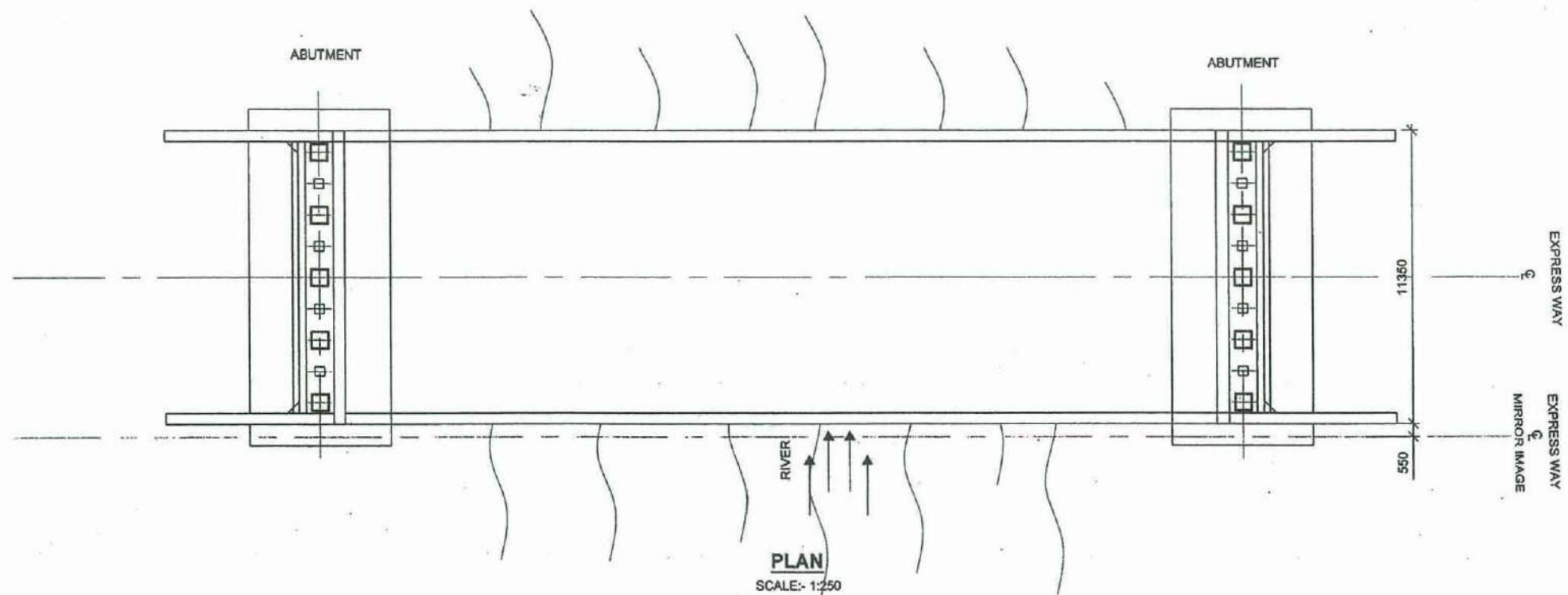
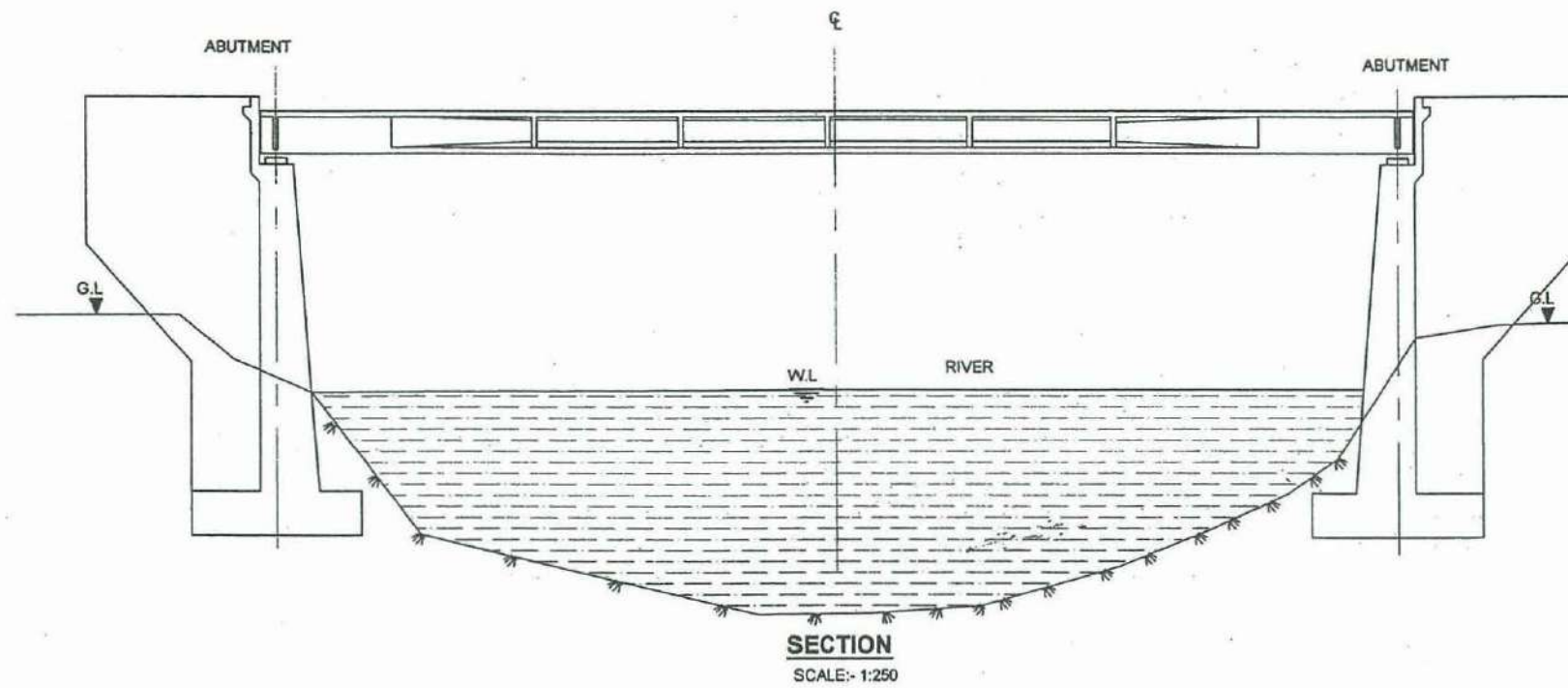
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**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
( SECTION -2)**

TYPICAL GENERAL ARRANGEMENT FOR RIVER BRIDGES

50



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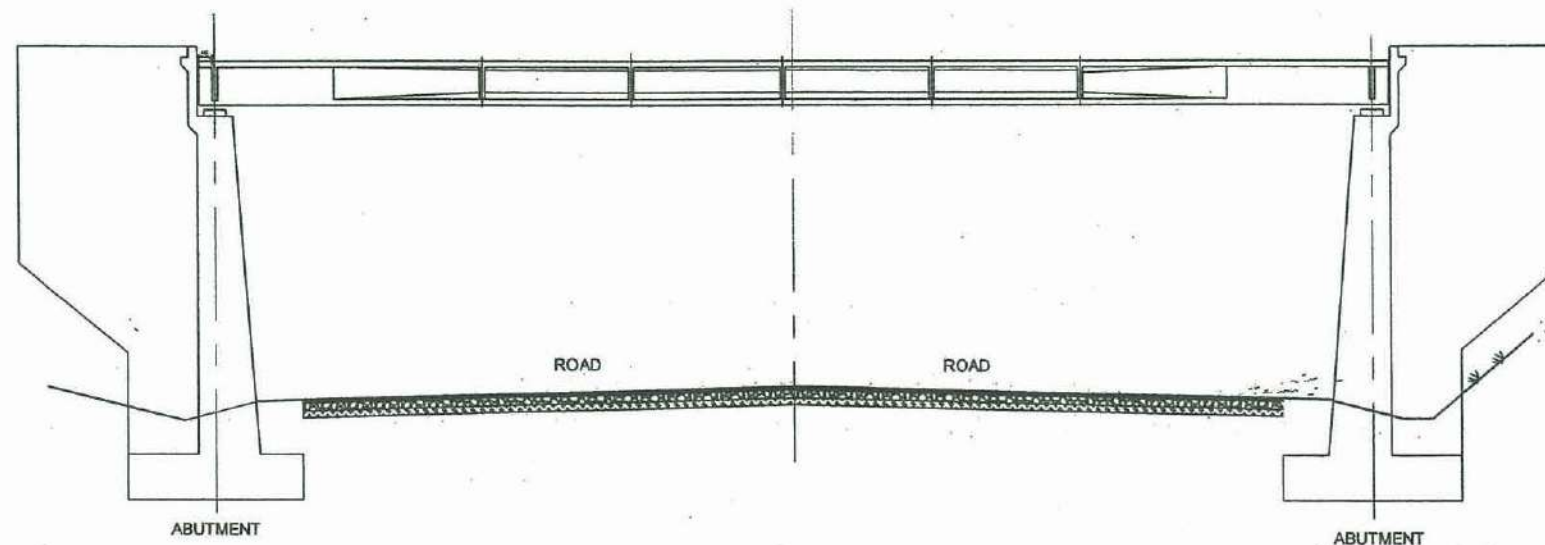
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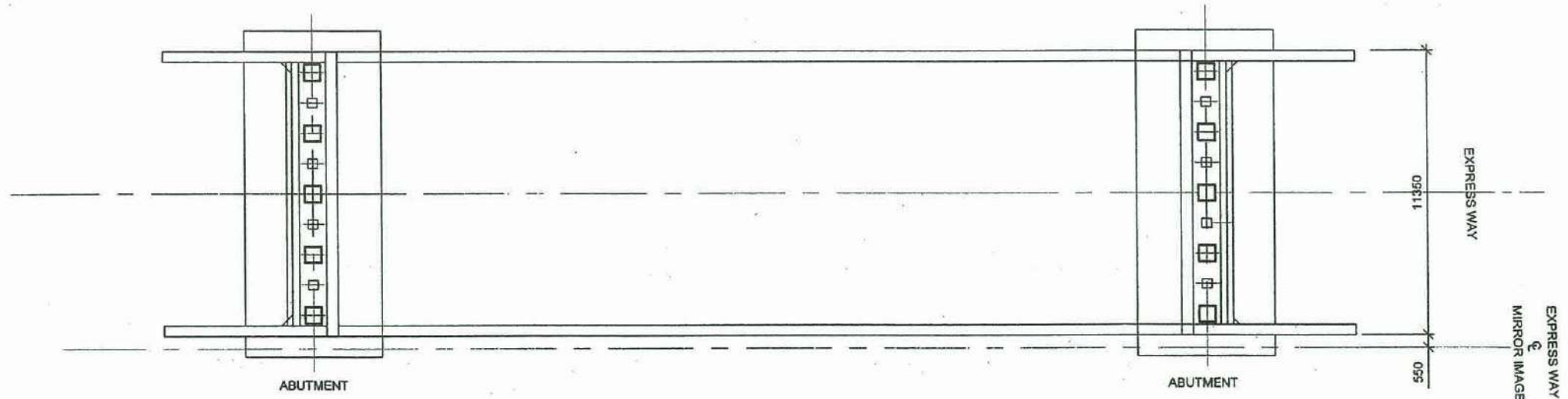
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**SECTION**  
SCALE:- 1:250



**PLAN**  
SCALE:- 1:250

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
( SECTION -2 )**

TYPICAL GENERAL ARRANGEMENT FOR UNDERPASS BRIDGES

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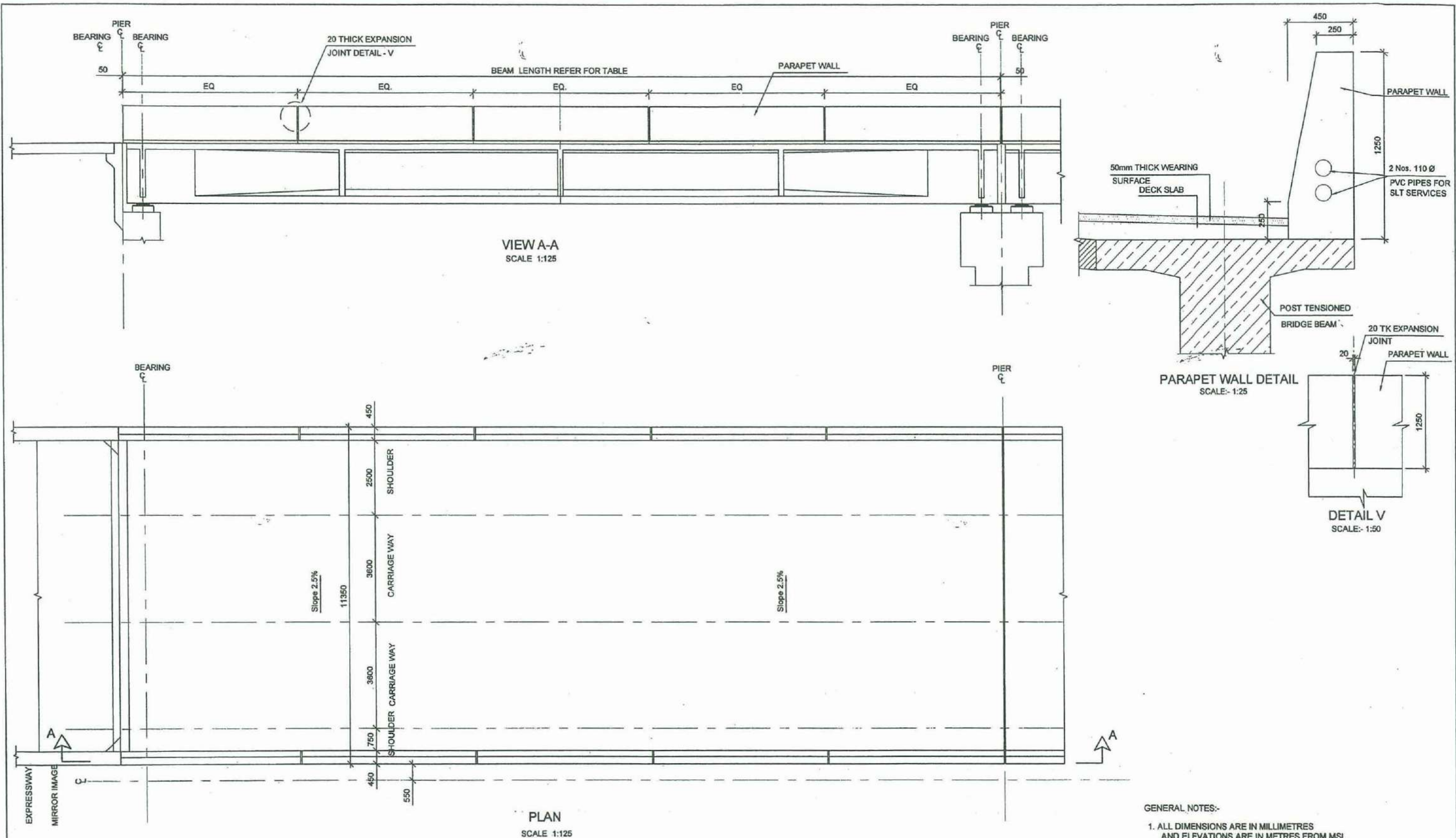
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Sheet 03 of 03



# TYPICAL DRAWINGS

AW A








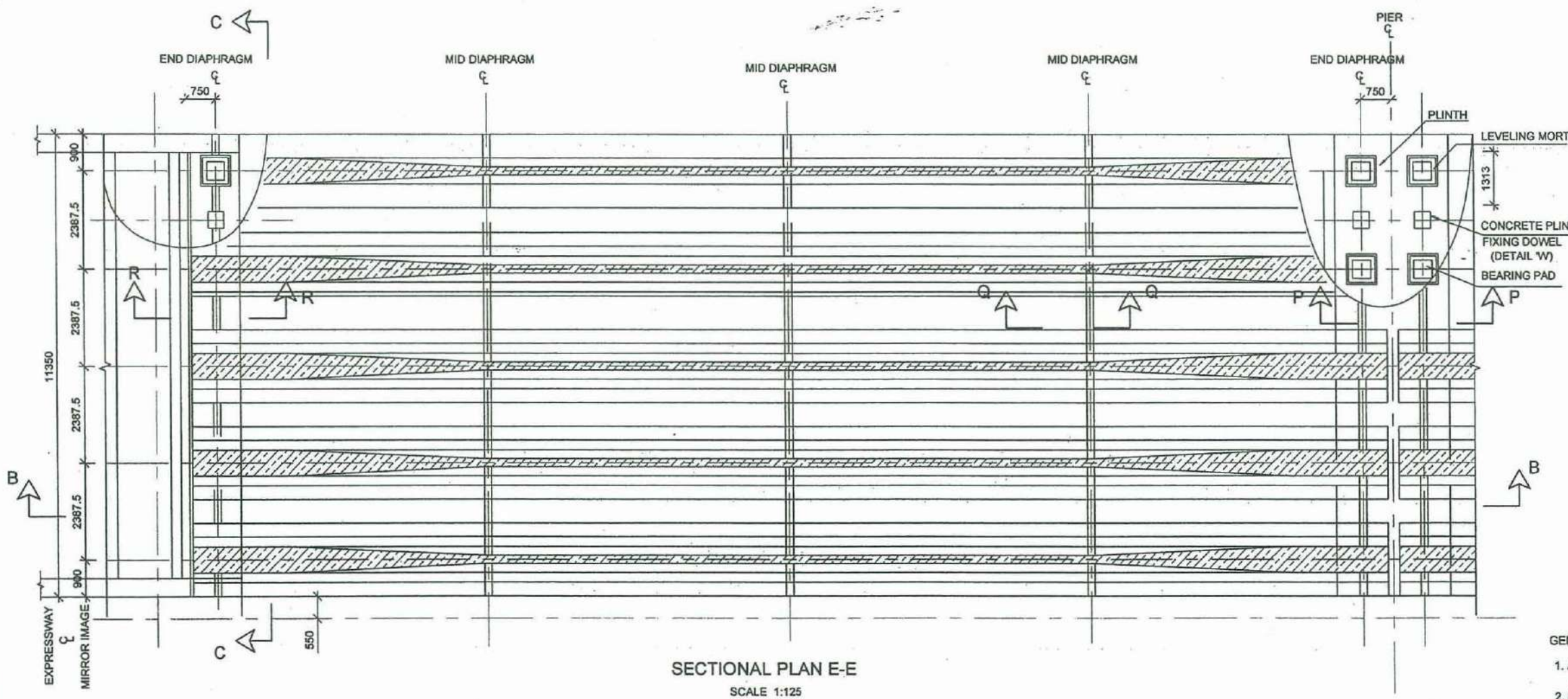
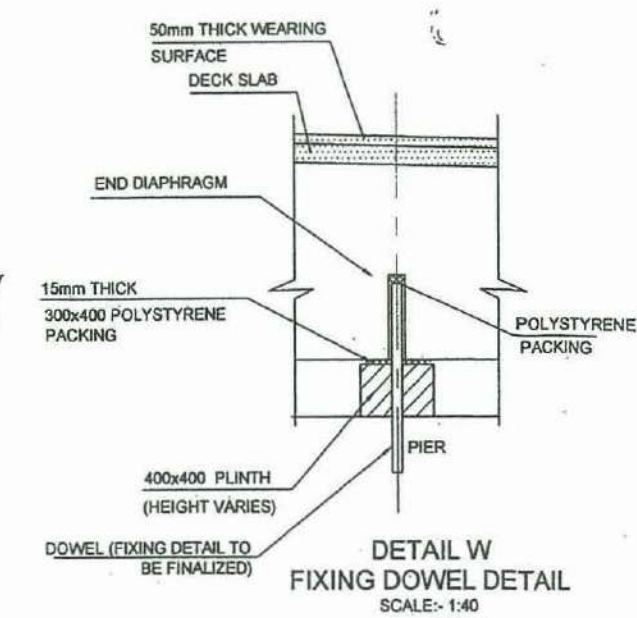
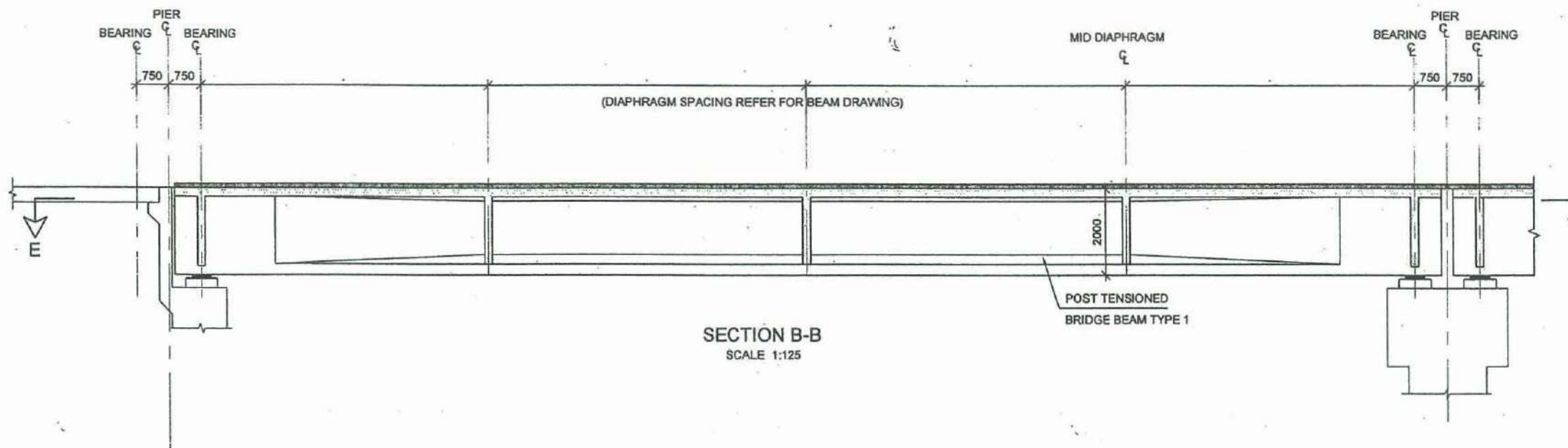
- GENERAL NOTES:-
- ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES FROM MSL
  - MINIMUM CONCRETE COVER TO REINFORCEMENT SHALL BE
    - 45 mm AT TOP OF THE DECK SLAB
    - 30 mm FOR INNER FACE & 35mm FOR OUTERFACE IN POST-TENSIONED BRIDGE BEAM
    - 30mm ELSEWHERE
  - STRUCTURAL CONCRETE SHALL BE
    - GRADE 40(20) FOR DECK SLAB & DIAPHRAGM
    - GRADE 50(20) FOR POST-TENSIONED REINFORCED BRIDGE BEAM

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
(SECTION -2)**

TYPICAL DETAILS OF RIVER BRIDGE DECK AND UNDER PASS BRIDGE DECK - CONCRETE OUTLINE

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- GENERAL NOTES:-
1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES FROM MSL
  2. MINIMUM CONCRETE COVER TO REINFORCEMENT SHALL BE
    - I. 45 mm AT TOP OF THE DECK SLAB
    - II. 30 mm FOR INNER FACE & 35mm FOR OUTERFACE IN POST-TENSIONED BRIDGE BEAM
    - III. 30mm ELSEWHERE
  3. STRUCTURAL CONCRETE SHALL BE
    - I. GRADE 40(20) FOR DECK SLAB & DIAPHRAGM
    - II. GRADE 50(20) FOR POST-TENSIONED REINFORCED BRIDGE BEAM

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA (SECTION -2)**

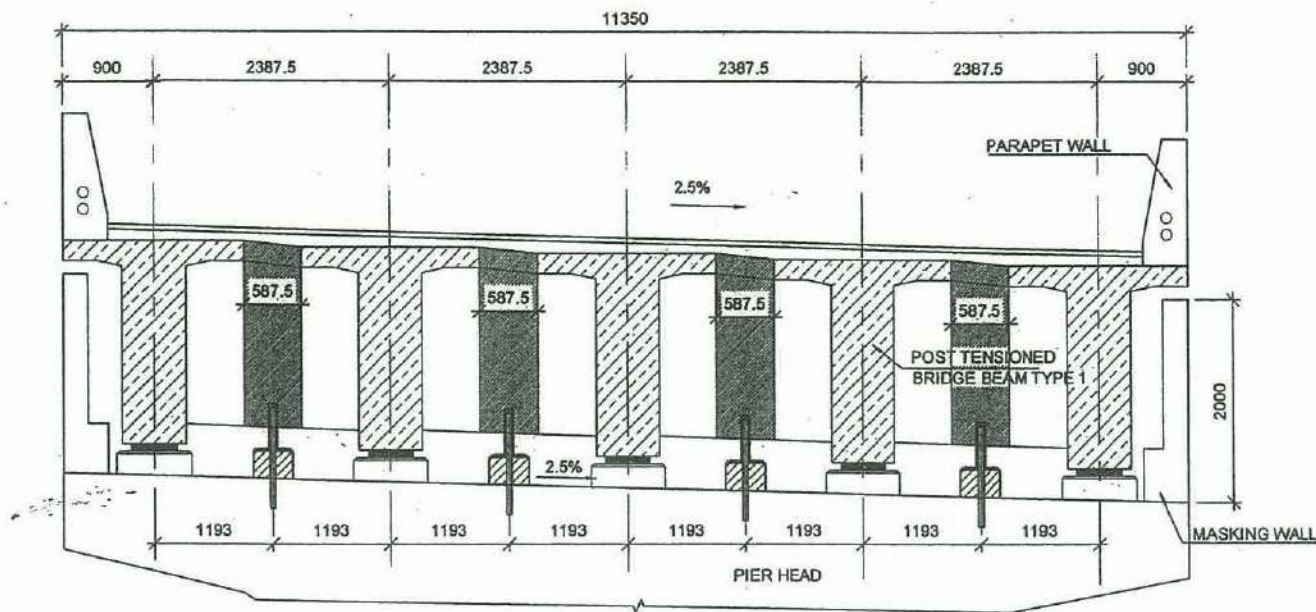
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TYPICAL DETAILS OF RIVER BRIDGE DECK AND UNDER PASS BRIDGE DECK - CONCRETE OUTLINE

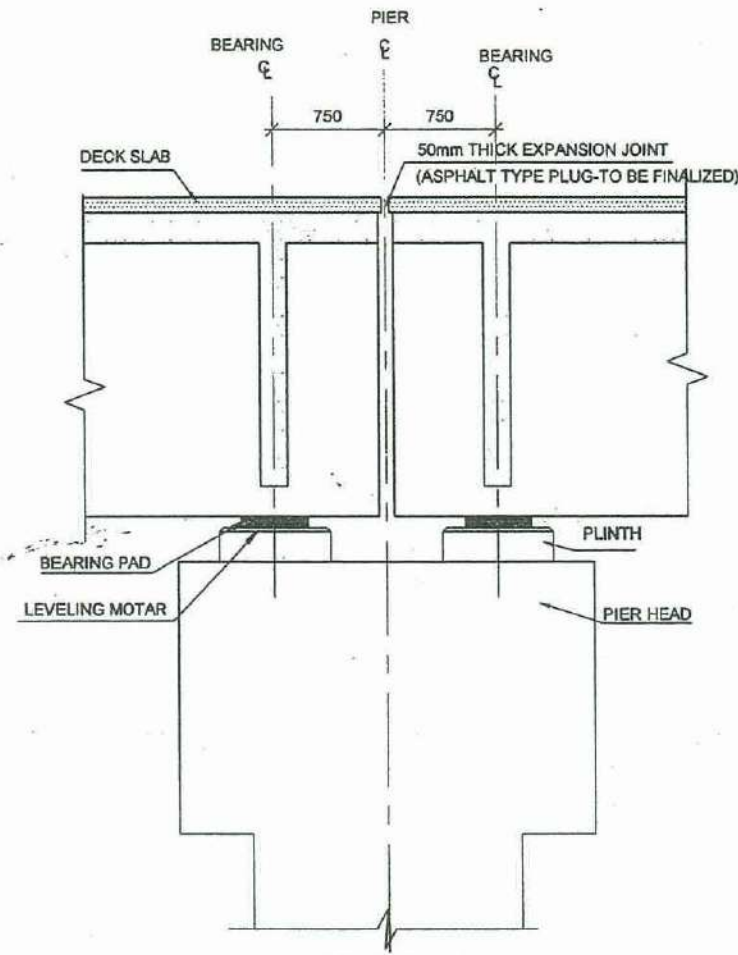
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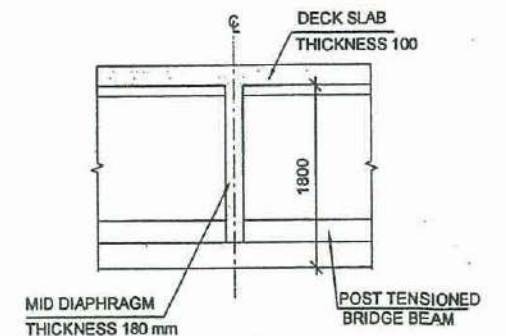




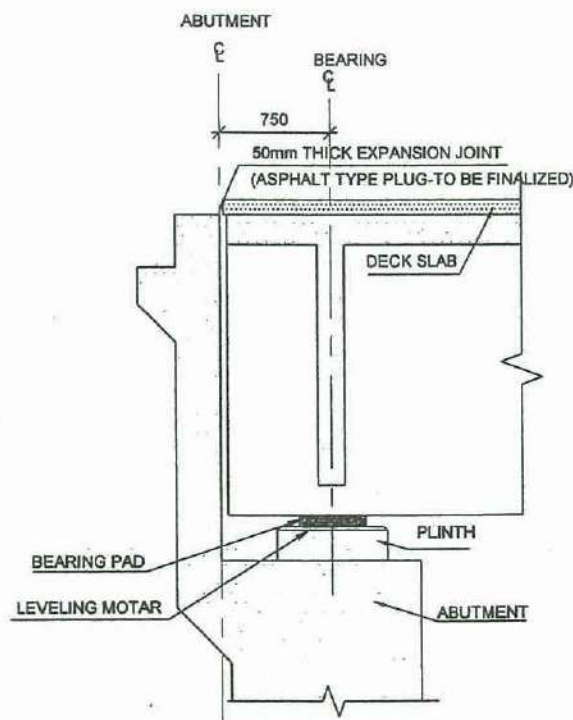
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SCALE:- 1:75



SECTION P-P  
SCALE:- 1:50



SECTION Q-Q  
SCALE:- 1:75



SECTION R-R  
SCALE:- 1:50

GENERAL NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES FROM MSL
2. MINIMUM CONCRETE COVER TO REINFORCEMENT SHALL BE
  - I. 45 mm AT TOP OF THE DECK SLAB
  - II. 30 mm FOR INNER FACE & 35mm FOR OUTER-FACE IN POST-TENSIONED BRIDGE BEAM
  - III. 30mm ELSEWHERE
3. STRUCTURAL CONCRETE SHALL BE
  - I. GRADE 40(20) FOR DECK SLAB & DIAPHRAGM
  - II. GRADE 50(20) FOR POST-TENSIONED REINFORCED BRIDGE BEAM

EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
(SECTION -2)

TYPICAL DETAILS OF RIVER BRIDGE DECK AND UNDER PASS BRIDGE DECK - CONCRETE OUTLINE

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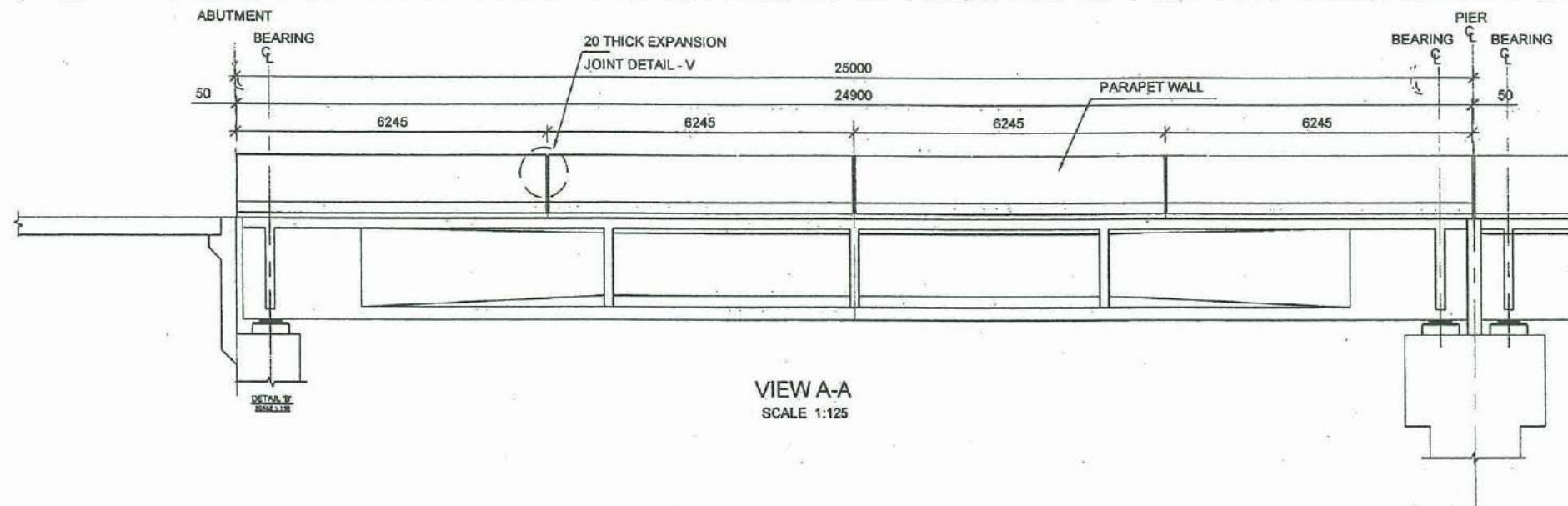


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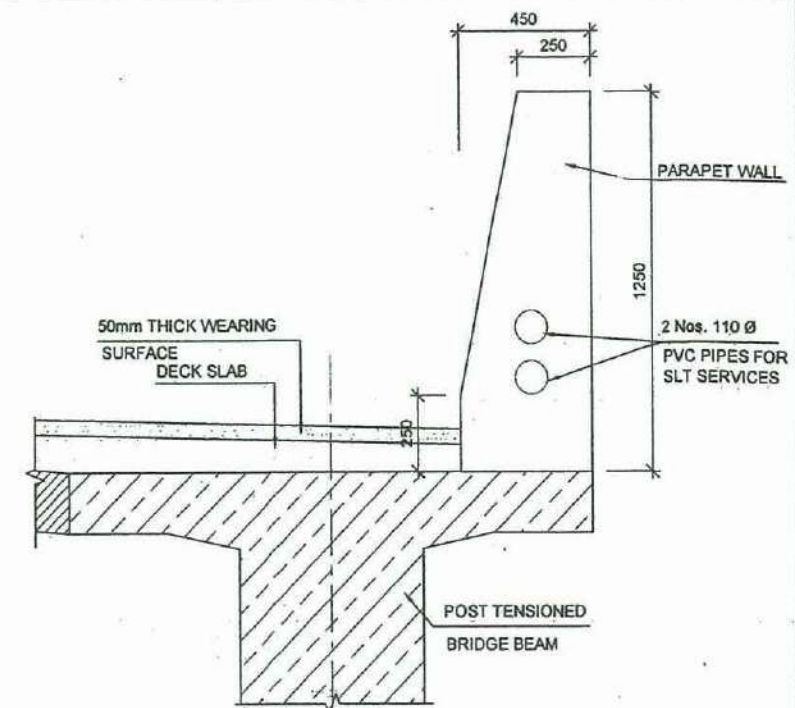
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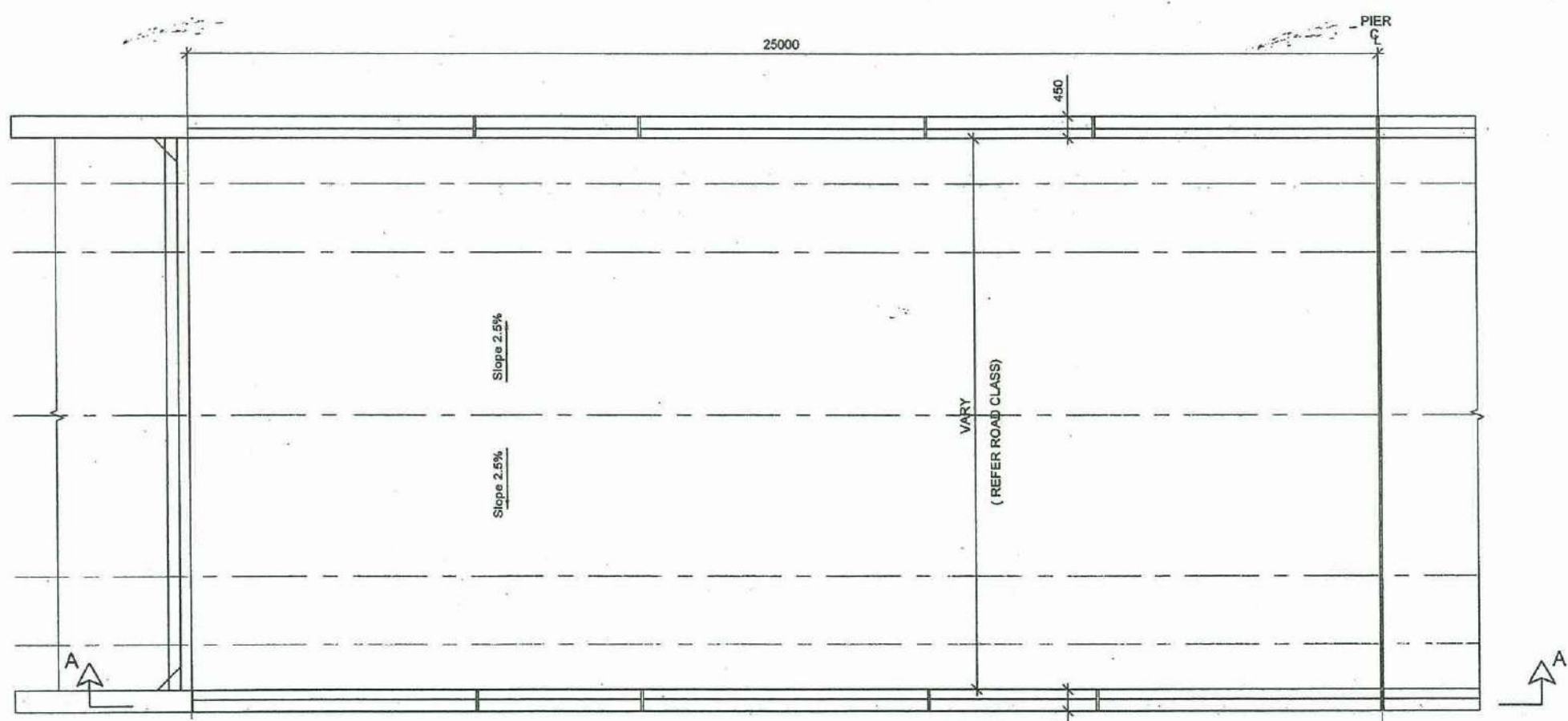




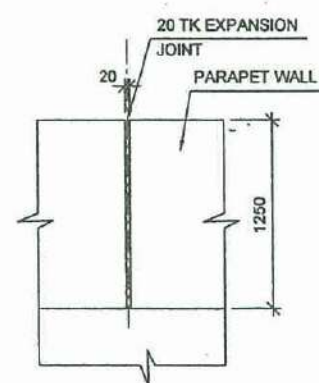
VIEW A-A  
SCALE 1:125



PARAPET WALL DETAIL  
SCALE:- 1:25



PLAN  
SCALE 1:125



DETAIL V  
SCALE:- 1:50

ROAD CLASS	ROAD WIDTH	NO OF BEAM FOR SPAN
A	22100	10
B2	22100	10
B3	13900	6
C	10900	5
D	7400	3
E	6800	3

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    - 30mm ELSEWHERE
  - STRUCTURAL CONCRETE SHALL BE
    - GRADE 40(20) FOR DECK SLAB & DIAPHRAGM
    - GRADE 50(20) FOR POST-TENSIONED REINFORCED BRIDGE BEAM

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA (SECTION 2)**

TYPICAL DETAILS OF OVER PASS BRIDGE DECK - CONCRETE OUTLINE

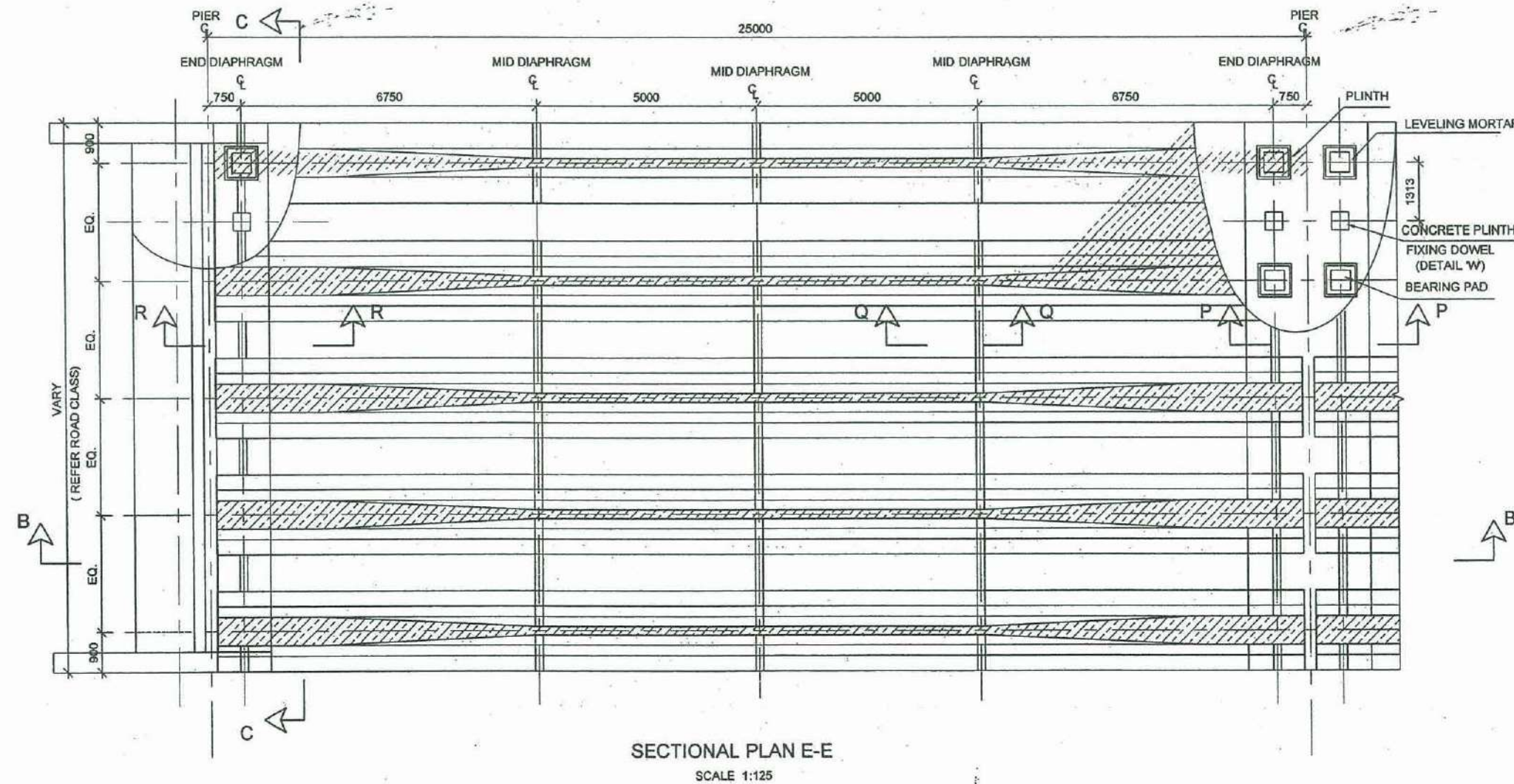
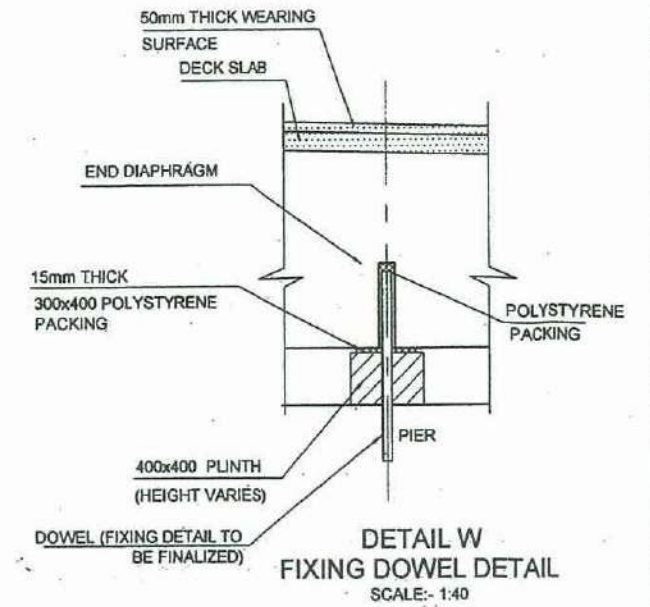
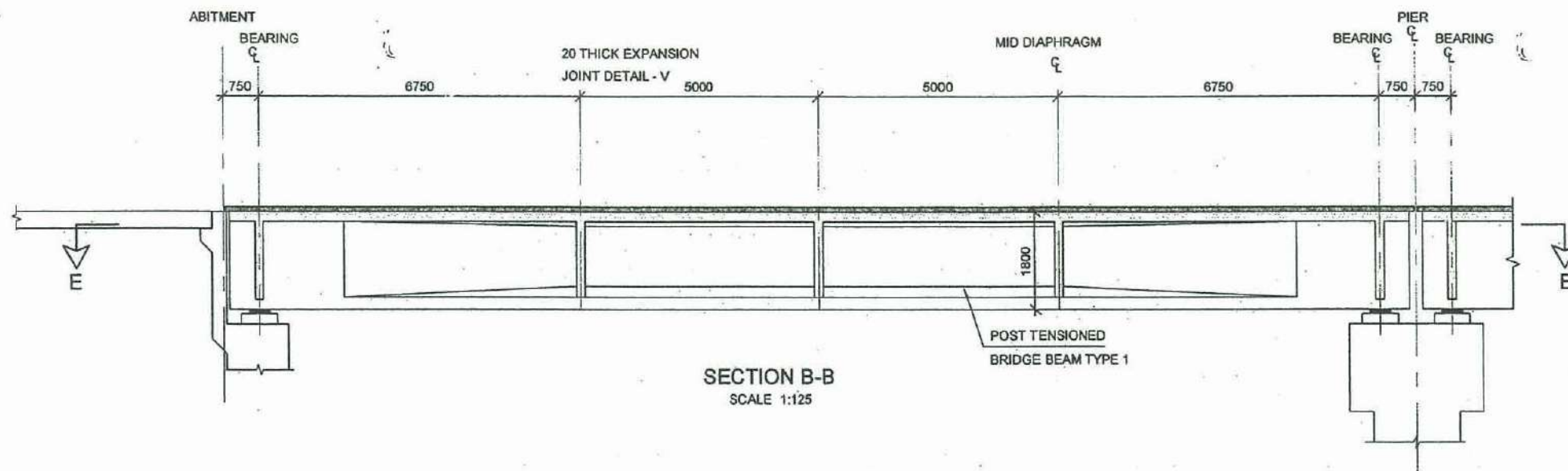
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- GENERAL NOTES:-
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    - 30 mm FOR INNER FACE & 35mm FOR OUTERFACE IN POST-TENSIONED BRIDGE BEAM
    - 30mm ELSEWHERE
  - STRUCTURAL CONCRETE SHALL BE
    - GRADE 40(20) FOR DECK SLAB & DIAPHRAGM
    - GRADE 50(20) FOR POST-TENSIONED REINFORCED BRIDGE BEAM

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA**  
( SECTION -2)

TYPICAL DETAILS OF OVER PASS BRIDGE DECK - CONCRETE OUTLINE

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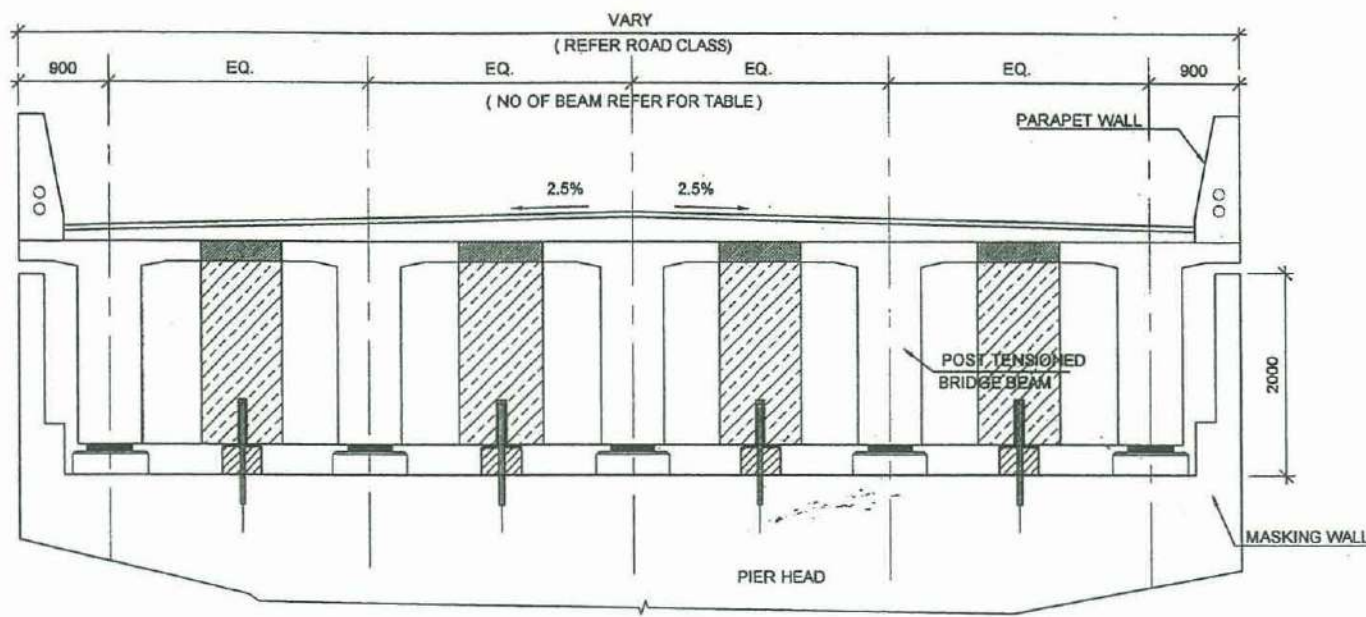
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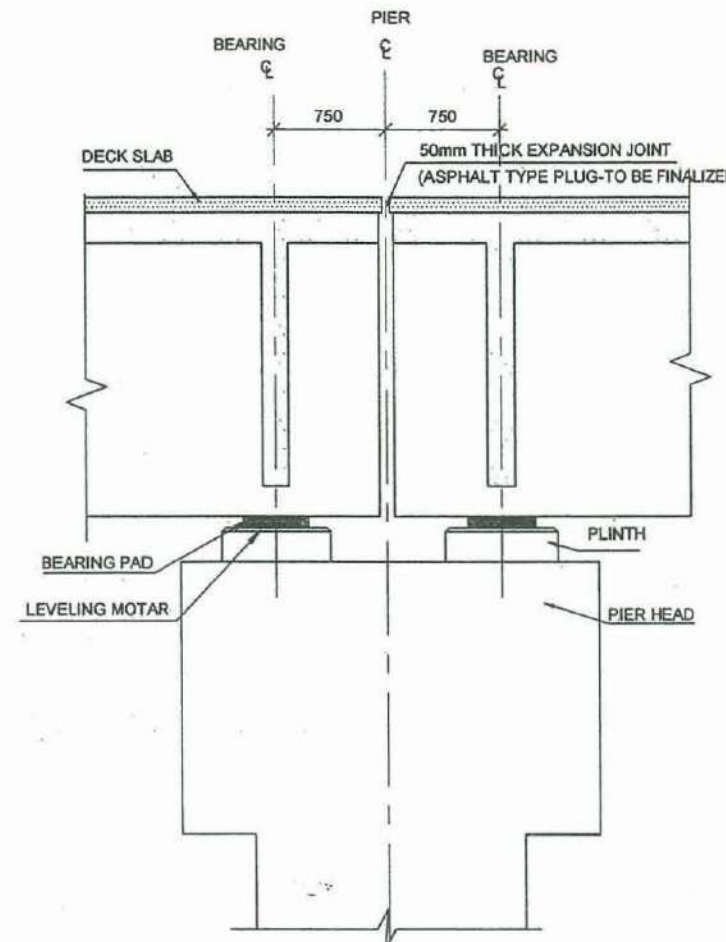
DRG.No. : DD-PWD-SP-ESE-ST-EW-F3-S2-CO-002

Sheet 02 of 03

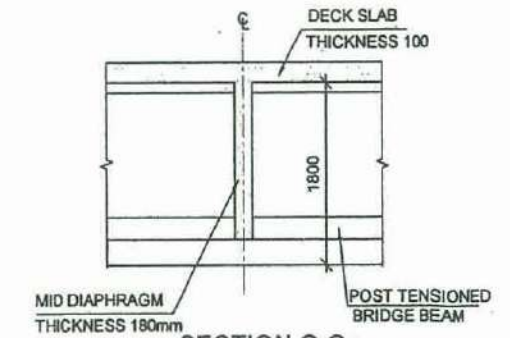




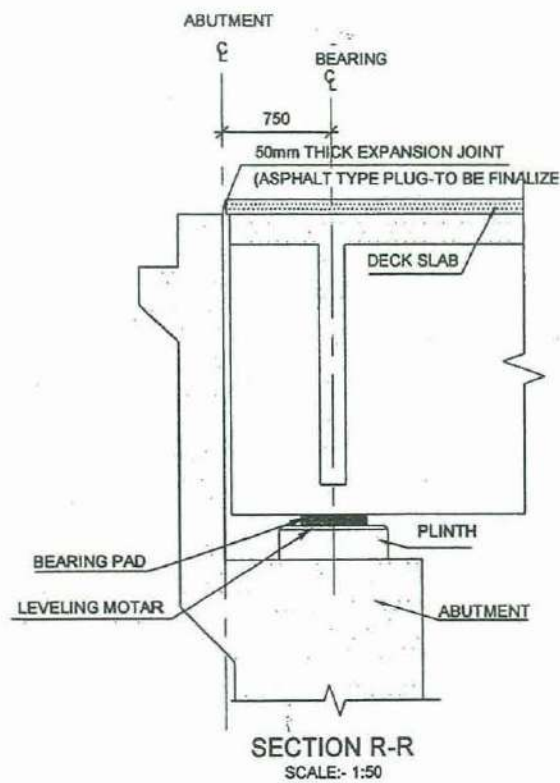
SECTIONAL ELEVATION C-C  
SCALE:- 1:75



SECTION P-P  
SCALE:- 1:50



SECTION Q-Q  
SCALE:- 1:75



SECTION R-R  
SCALE:- 1:50

ROAD CLASS	ROAD WIDTH	NO OF BEAM FOR SPAN
A	22100	10
B2	22100	10
B3	13900	6
C	10900	5
D	7400	3
E	6800	3

GENERAL NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES FROM MSL
- MINIMUM CONCRETE COVER TO REINFORCEMENT SHALL BE
  - 45 mm AT TOP OF THE DECK SLAB
  - 30 mm FOR INNER FACE & 35mm FOR OUTERFACE IN POST-TENSIONED BRIDGE BEAM
  - 30mm ELSEWHERE
- STRUCTURAL CONCRETE SHALL BE
  - GRADE 40(20) FOR DECK SLAB & DIAPHRAGM
  - GRADE 50(20) FOR POST-TENSIONED REINFORCED BRIDGE BEAM

EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
(SECTION -2)

TYPICAL DETAILS OF OVER PASS BRIDGE DECK - CONCRETE OUTLINE

57



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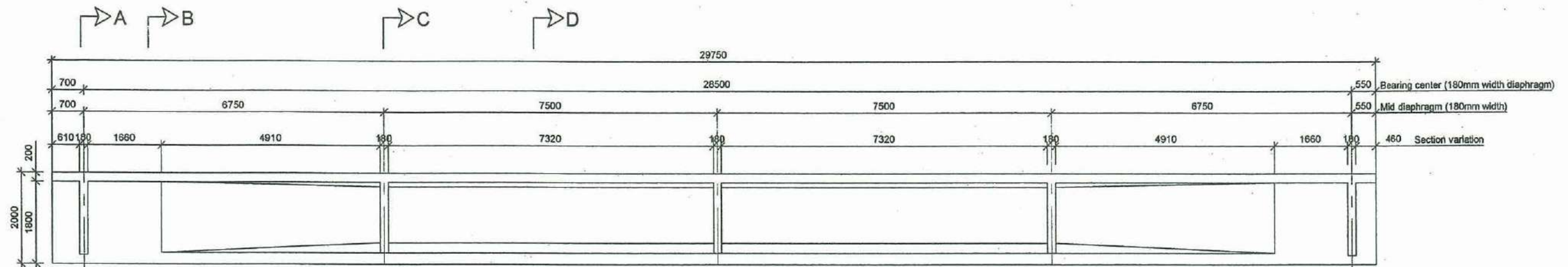
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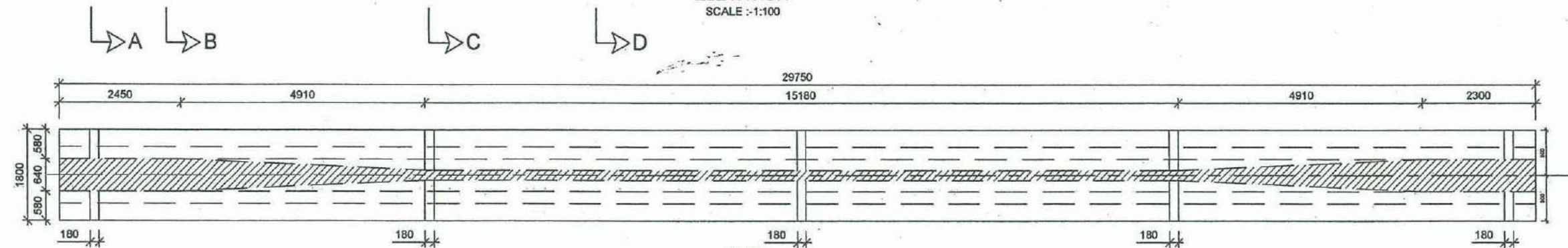
Sheet 03 of 03

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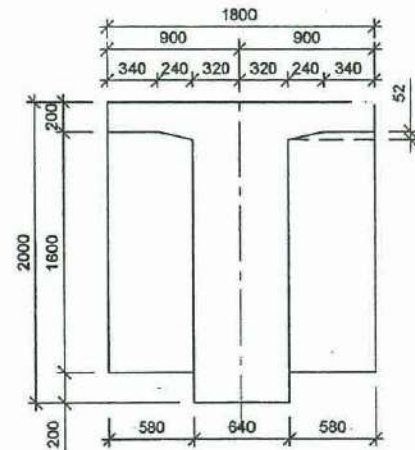




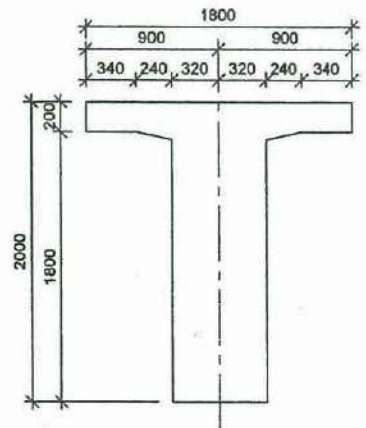
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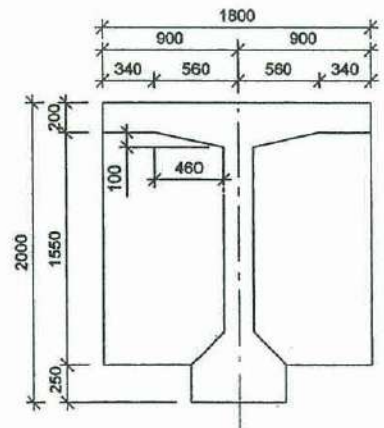
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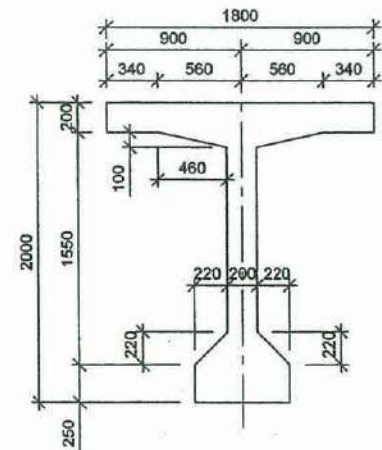
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SCALE:- 1:50



SECTION B-B  
SCALE:- 1:50



SECTION C-C  
SCALE:- 1:50



SECTION D-D  
SCALE:- 1:50

GENERAL NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES FROM MSL
2. MINIMUM CONCRETE COVER TO REINFORCEMENT SHALL BE
  - I. 45 mm AT TOP OF THE DECK SLAB
  - II. 30 mm FOR INNER FACE & 35mm FOR OUTERFACE IN POST-TENSIONED BRIDGE BEAM
  - III. 30mm ELSEWHERE
3. STRUCTURAL CONCRETE SHALL BE
  - I. GRADE 40(20) FOR DECK SLAB & DIAPHRAGM
  - II. GRADE 50(20) FOR POST-TENSIONED REINFORCED BRIDGE BEAM

EXTENSION TO SOUTHERN EXPRESS WAY FROM MATARA TO HAMBANTOTA  
( SECTION 2 - FROM CH.30+000 - CH 56+000 )

30m BEAM - CONCRETE OUTLINE

58



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DATE :  
Sheet 01 of 02  
DRG.No. : DD-FWD-SP-ESE-ST-EW-FS-S2-CO-003



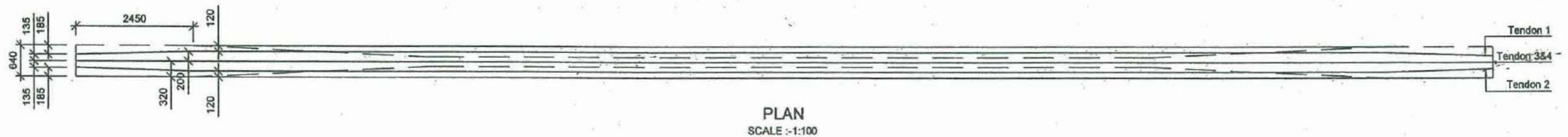
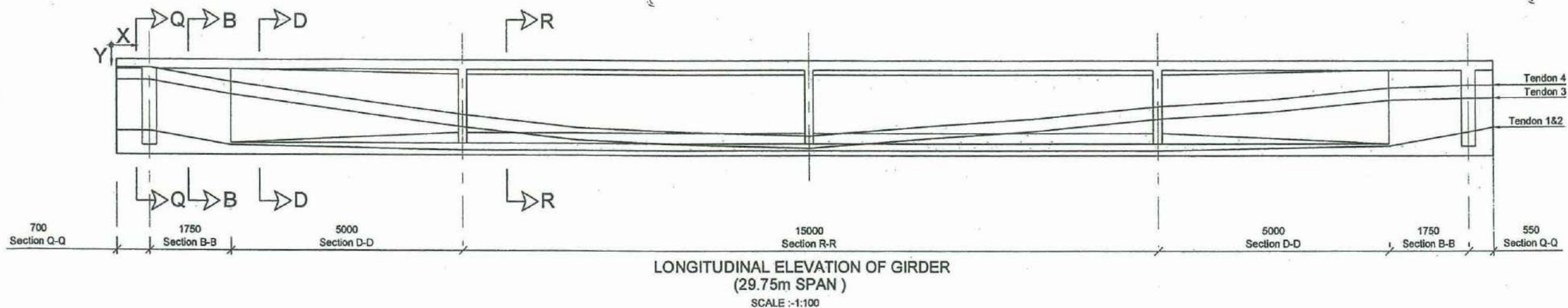
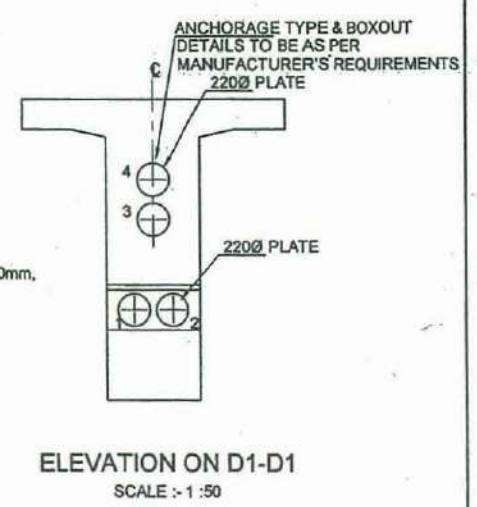
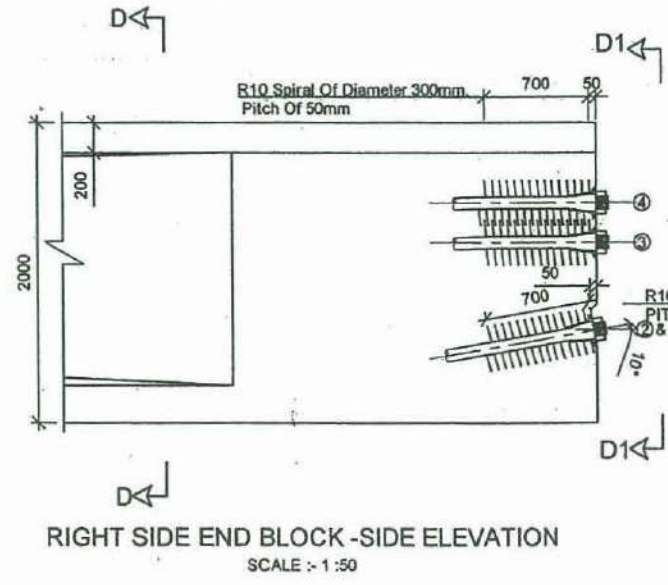
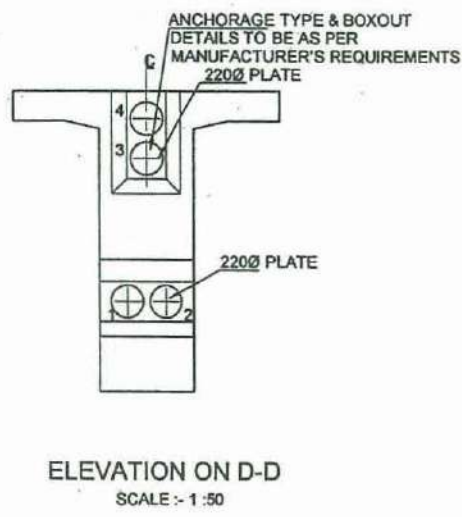
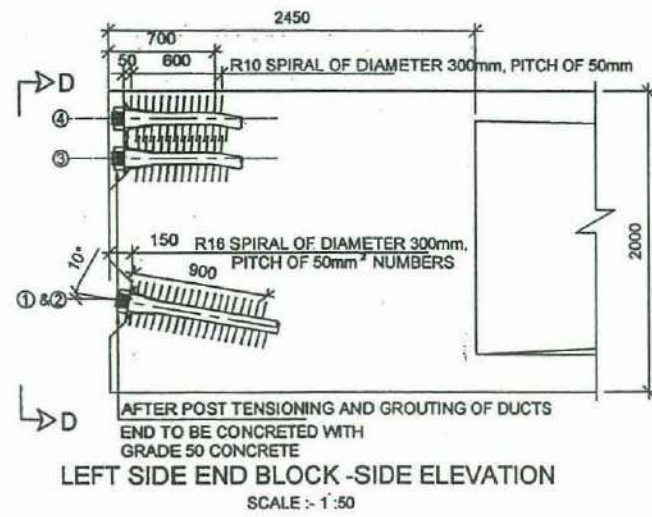
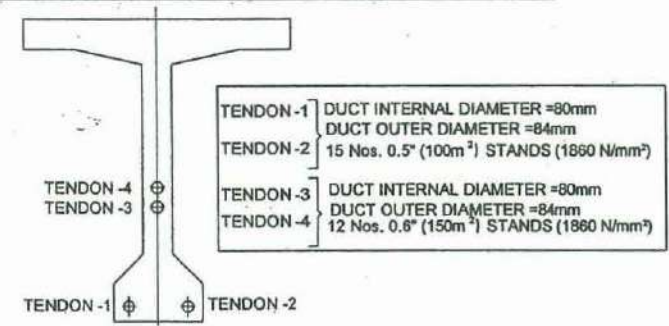


TABLE 01  
COORDINATES OF CENTRE OF GRAVITY OF TENDONS  
(X-FROM GIRDER EDGE AT C.L, Y-FROM GIRDER TOP)

X mm \ Y mm	700	2450	4950	7450	9950	12450	14950	17450	19950	22450	24950	27450	29200
TENDON 4	170	470	820	1150	1420	1520	1590	1390	1220	970	820	570	520
TENDON 3	430	730	1080	1410	1680	1780	1850	1650	1480	1230	1080	830	780
TENDON 1 & 2	1500	1800	1850	1900	1900	1900	1900	1900	1900	1900	1850	1800	1500

GIRDER TYPE 1 INITIAL PRE-STRESSED DETAILS



EXTENSION TO SOUTHERN EXPRESS WAY FROM MATARA TO HAMBANTOTA  
( SECTION 2 - FROM CH 30+000 - CH 56+00 )

30m BEAM - CONCRETE OUTLINE

59

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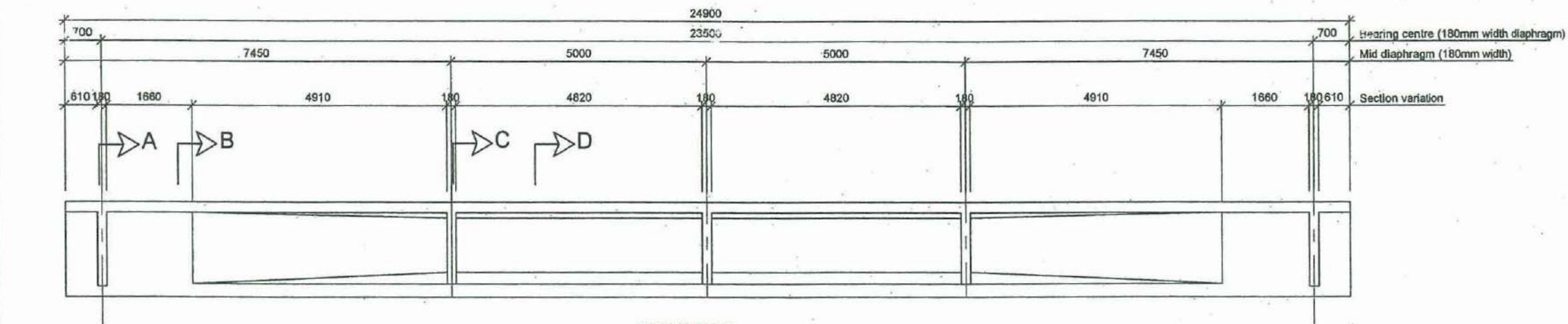
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DATE : \_\_\_\_\_

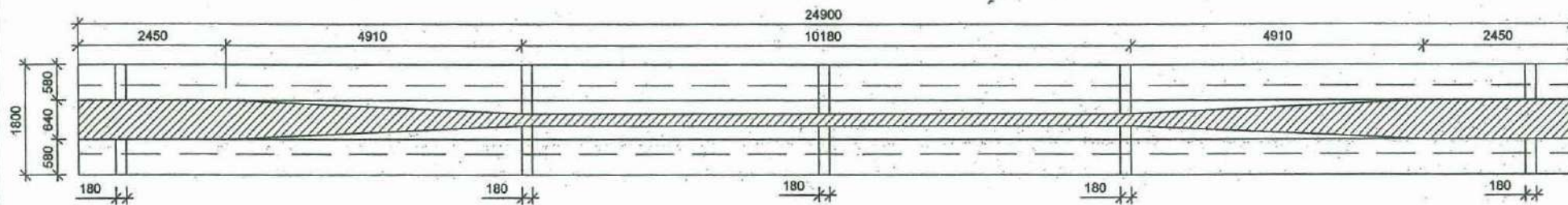
Sheet 02 of 02

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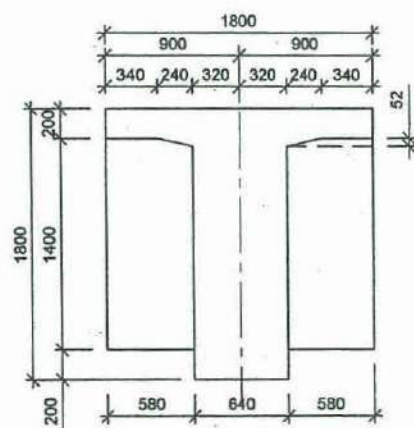




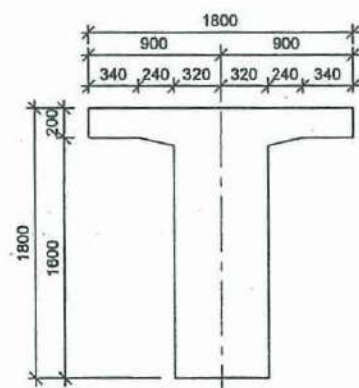
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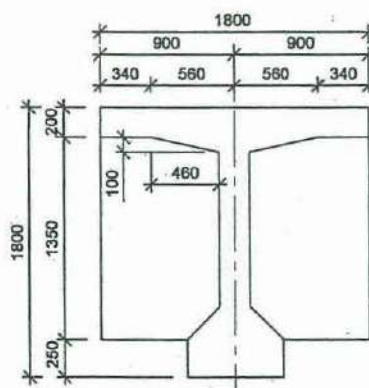
PLAN  
SCALE :-1:100



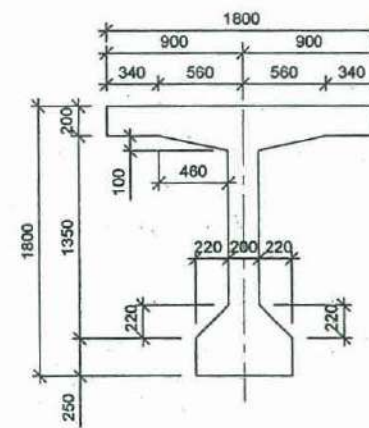
SECTION A-A  
SCALE:- 1:50



SECTION B-B  
SCALE:- 1:50



SECTION C-C  
SCALE:- 1:50




SECTION D-D  
SCALE:- 1:50

GENERAL NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES FROM MSL
2. MINIMUM CONCRETE COVER TO REINFORCEMENT SHALL BE
  - I. 45 mm AT TOP OF THE DECK SLAB
  - II. 30 mm FOR INNER FACE & 35mm FOR OUTERFACE IN POST-TENSIONED BRIDGE BEAM
  - III. 45mm ELSEWHERE
3. STRUCTURAL CONCRETE SHALL BE
  - I. GRADE 40(20) FOR DECK SLAB & DIAPHRAGM
  - II. GRADE 50(20) FOR POST-TENSIONED REINFORCED BRIDGE BEAM

EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
(SECTION -2)

25m BEAM - CONCRETE OUTLINE

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DATE : \_\_\_\_\_  
Sheet 01 of 02  
DRG.No. : DD-FWD-SP-ESE-ST-EW-FS-S2-CO-004



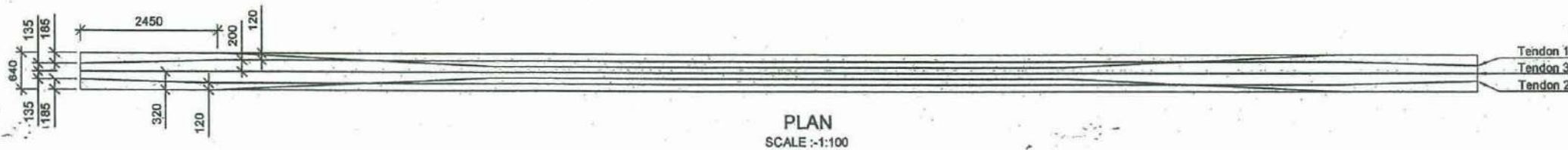
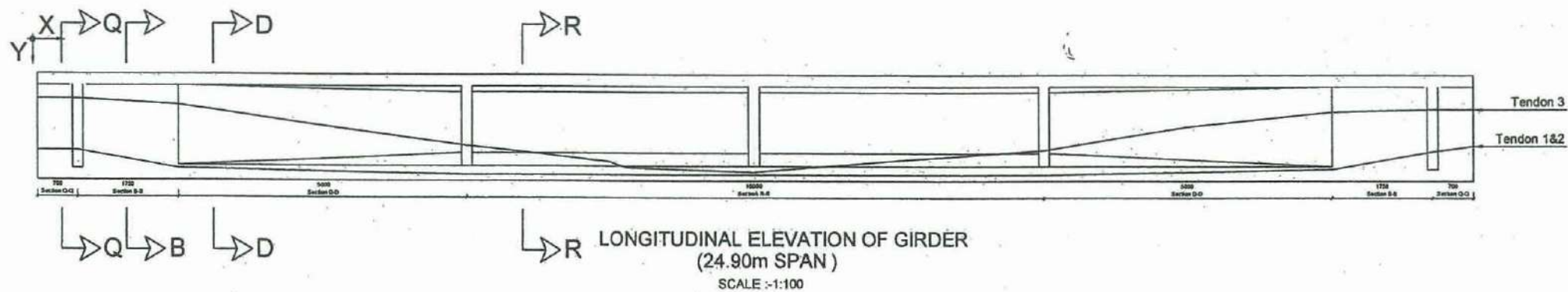
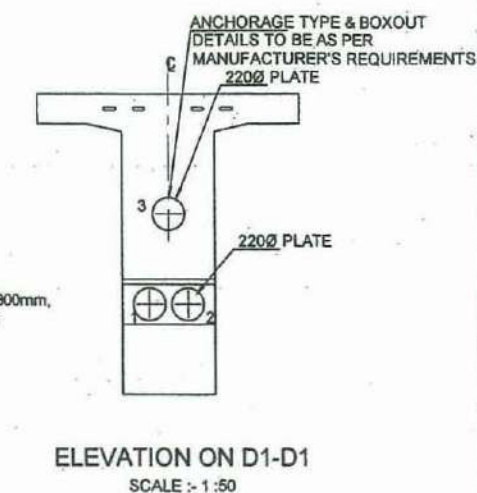
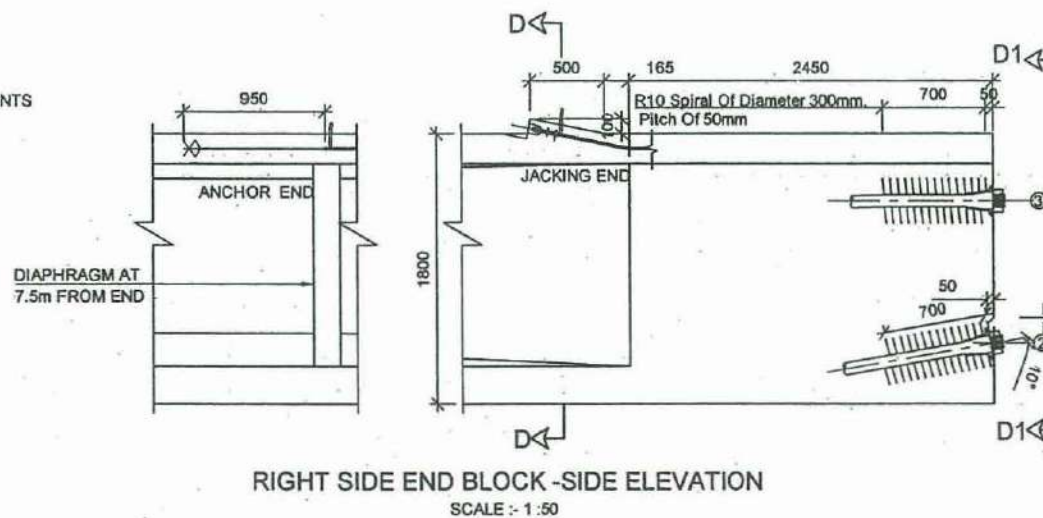
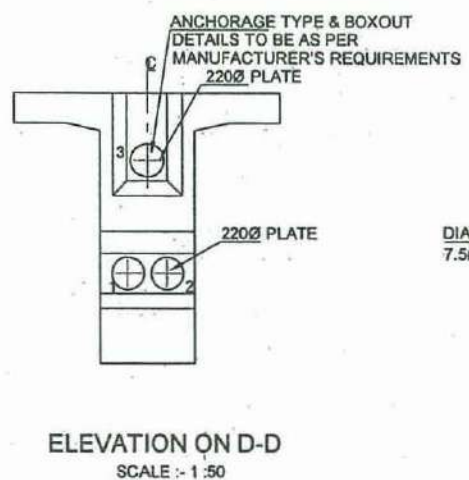
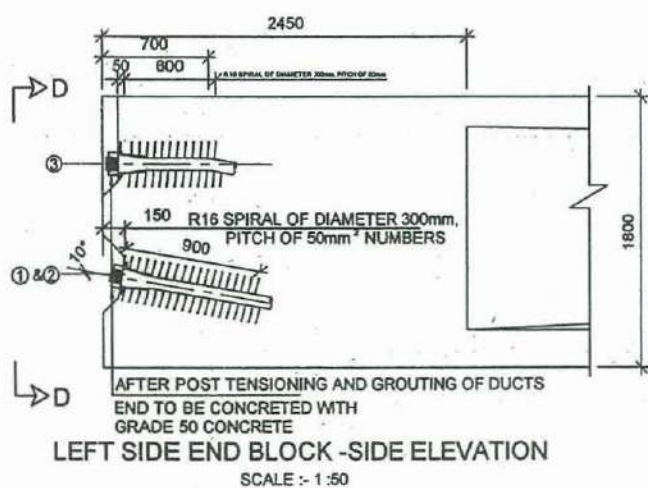
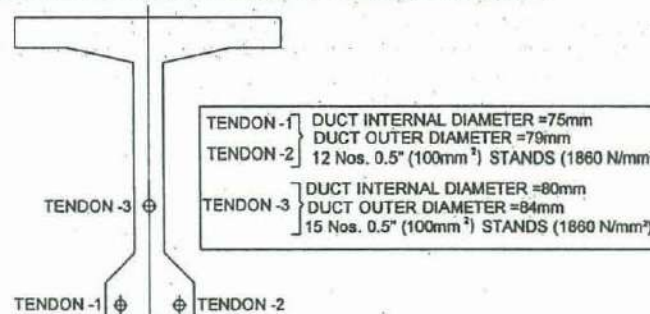


TABLE 01  
COORDINATES OF CENTRE OF GRAVITY OF TENDONS  
(X-FROM GIRDER EDGE AT C.L., Y-FROM GIRDER TOP)

Y mm.	X mm		X mm										
			0	2500	5000	7500	10000	12500	15000	17500	20000	22500	25000
TENDON 3	2300kN	300	100	1100	1500	1550	1700	1550	1500	1100	100	300	
TENDON 1 & 2	1500kN	900	1600	1700	1700	1700	1700	1700	1700	1700	1600	900	

GIRDER TYPE 1 INITIAL PRE-STRESSED DETAILS



EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
(SECTION -2)

25m BEAM - CONCRETE OUTLINE

61



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MINISTRY OF PORTS & HIGHWAYS

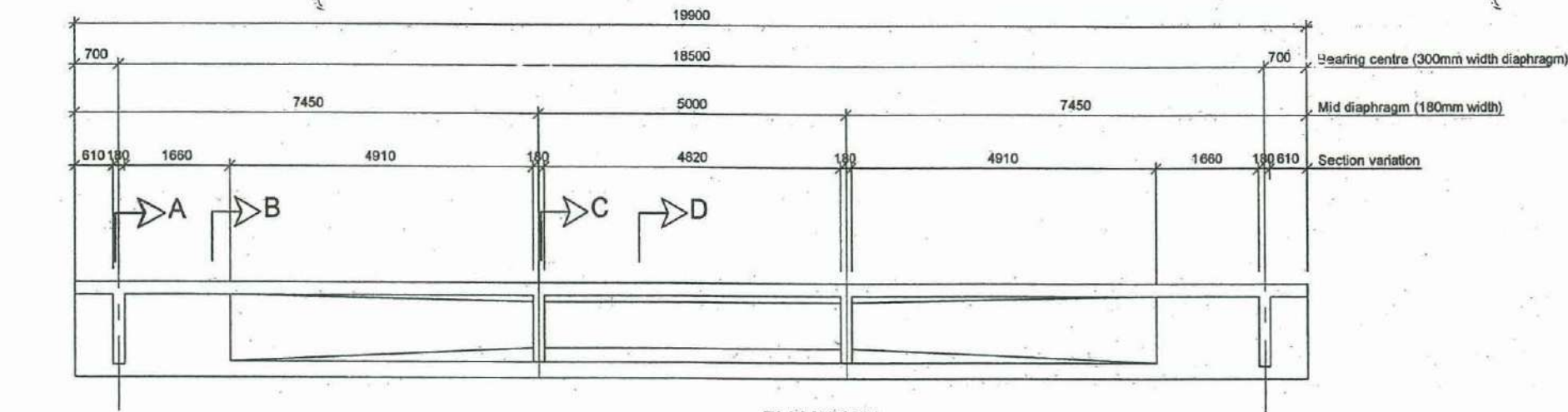


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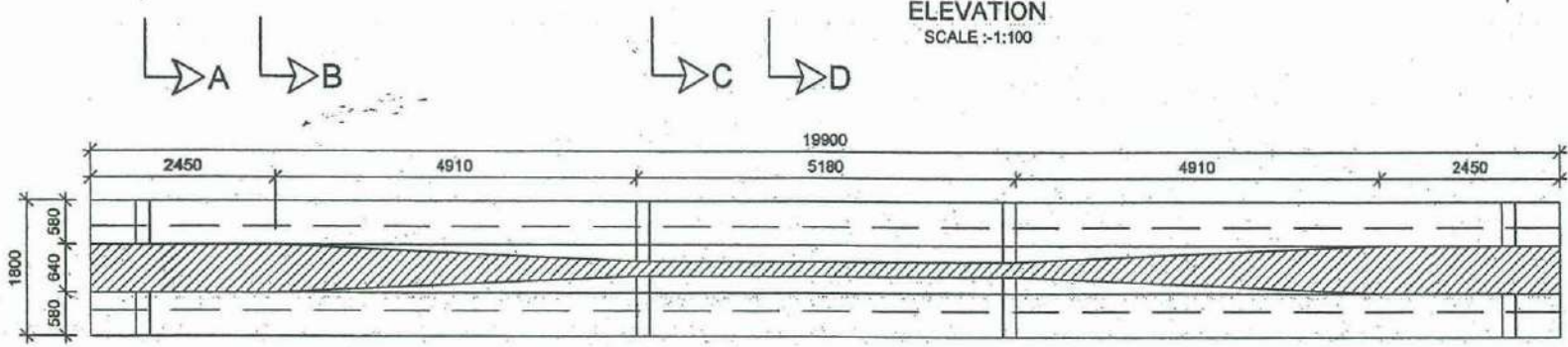
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DATE :  
Sheet 01 of 02  
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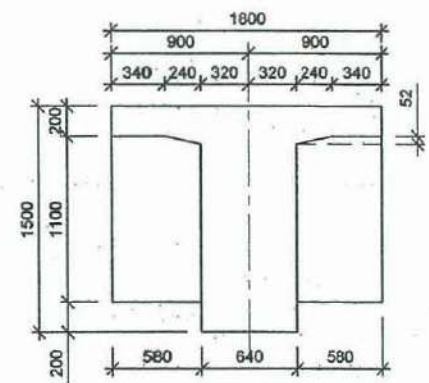




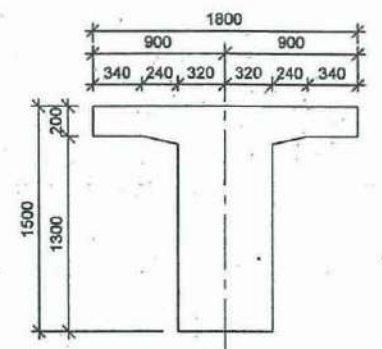
ELEVATION  
SCALE :-1:100



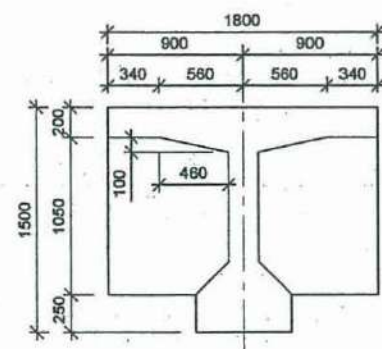
PLAN  
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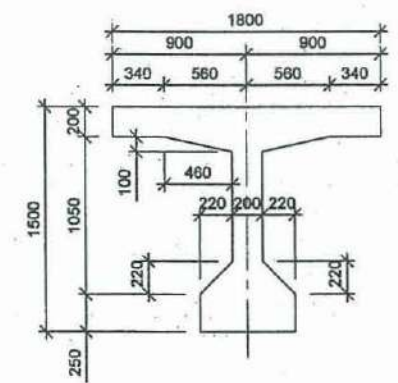
SECTION A-A  
SCALE:- 1:50



SECTION B-B  
SCALE:- 1:50



SECTION C-C  
SCALE:- 1:50



SECTION D-D  
SCALE:- 1:50

- GENERAL NOTES:-
- ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS ARE IN METRES FROM MSL
  - MINIMUM CONCRETE COVER TO REINFORCEMENT SHALL BE
    - 45 mm AT TOP OF THE DECK SLAB
    - 30 mm FOR INNER FACE & 35mm FOR OUTERFACE IN POST-TENSIONED BRIDGE BEAM
    - 45mm ELSEWHERE
  - STRUCTURAL CONCRETE SHALL BE
    - GRADE 40(20) FOR DECK SLAB & DIAPHRAGM
    - GRADE 50(20) FOR POST-TENSIONED REINFORCED BRIDGE BEAM

EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
( SECTION -2 )

20m BEAM - CONCRETE OUTLINE

62



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DATE : \_\_\_\_\_ Sheet 01 of 02

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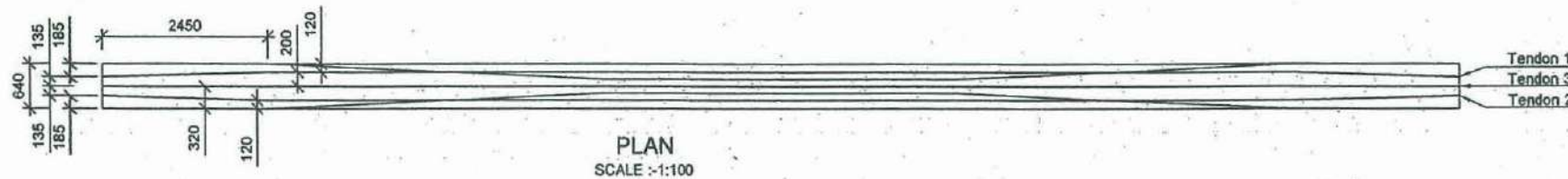
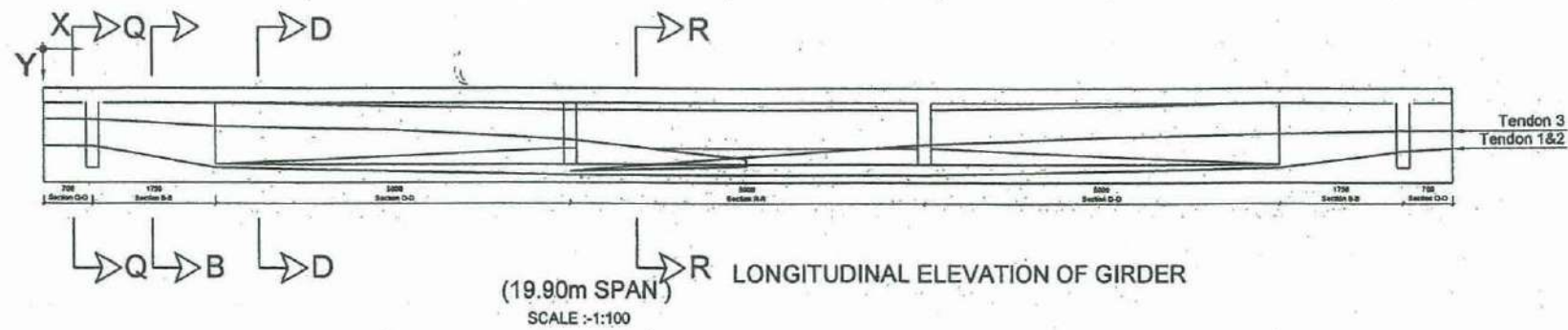
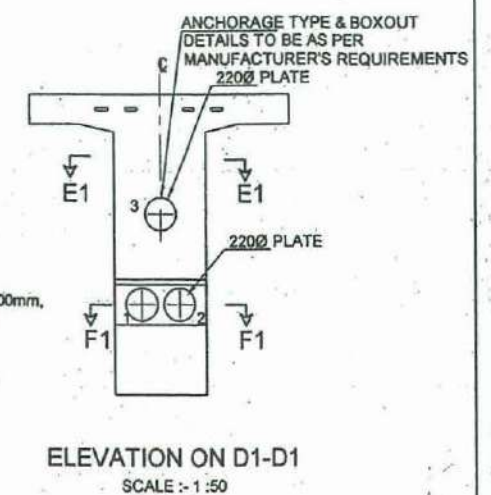
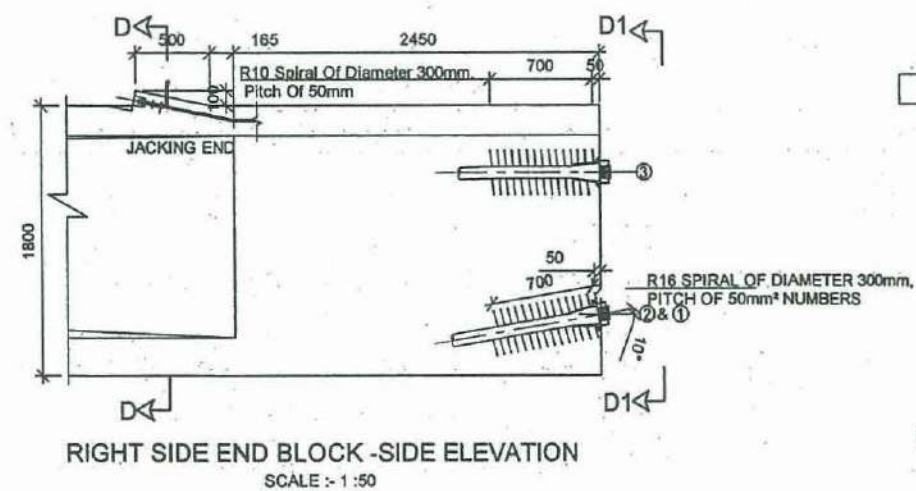
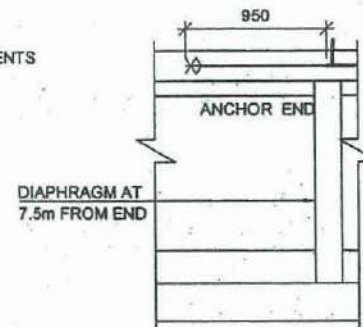
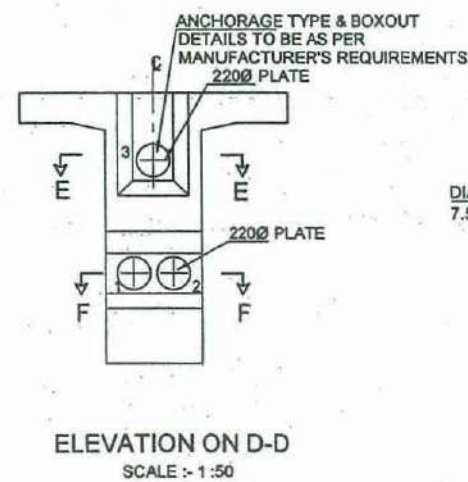
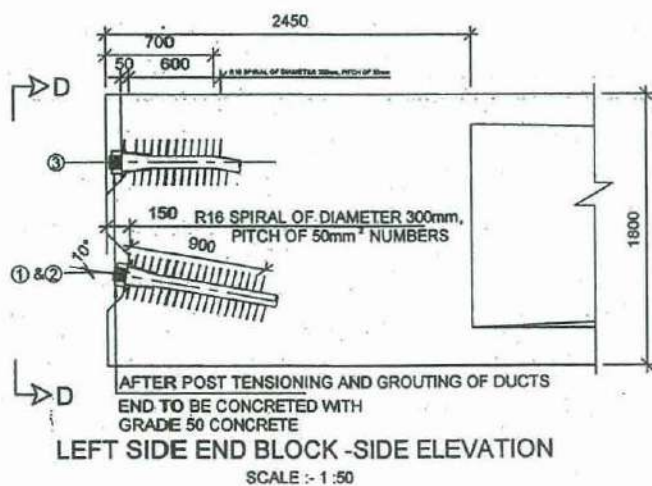
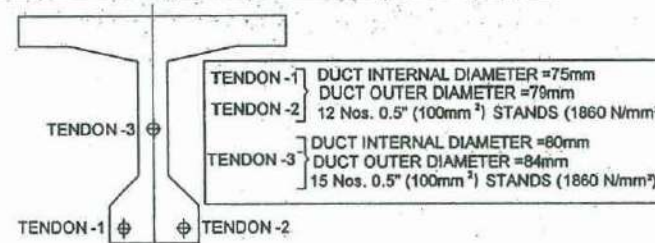


TABLE 01  
COORDINATES OF CENTRE OF GRAVITY OF TENDONS  
(X-FROM GIRDER EDGE AT C.L, Y-FROM GIRDER TOP)

Y mm.	X mm	X mm								
		0	2500	5000	7500	10000	12500	15000	17500	20000
TENDON 3	1900kN	300	100	1100	1350	1400	1350	1100	100	300
TENDON 1 & 2	1500kN	900	1350	1400	1400	1400	1400	1400	1350	900

GIRDER TYPE 1 INITIAL PRE-STRESSED DETAILS.



EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
(SECTION -2)

20m BEAM - CONCRETE OUTLINE

63



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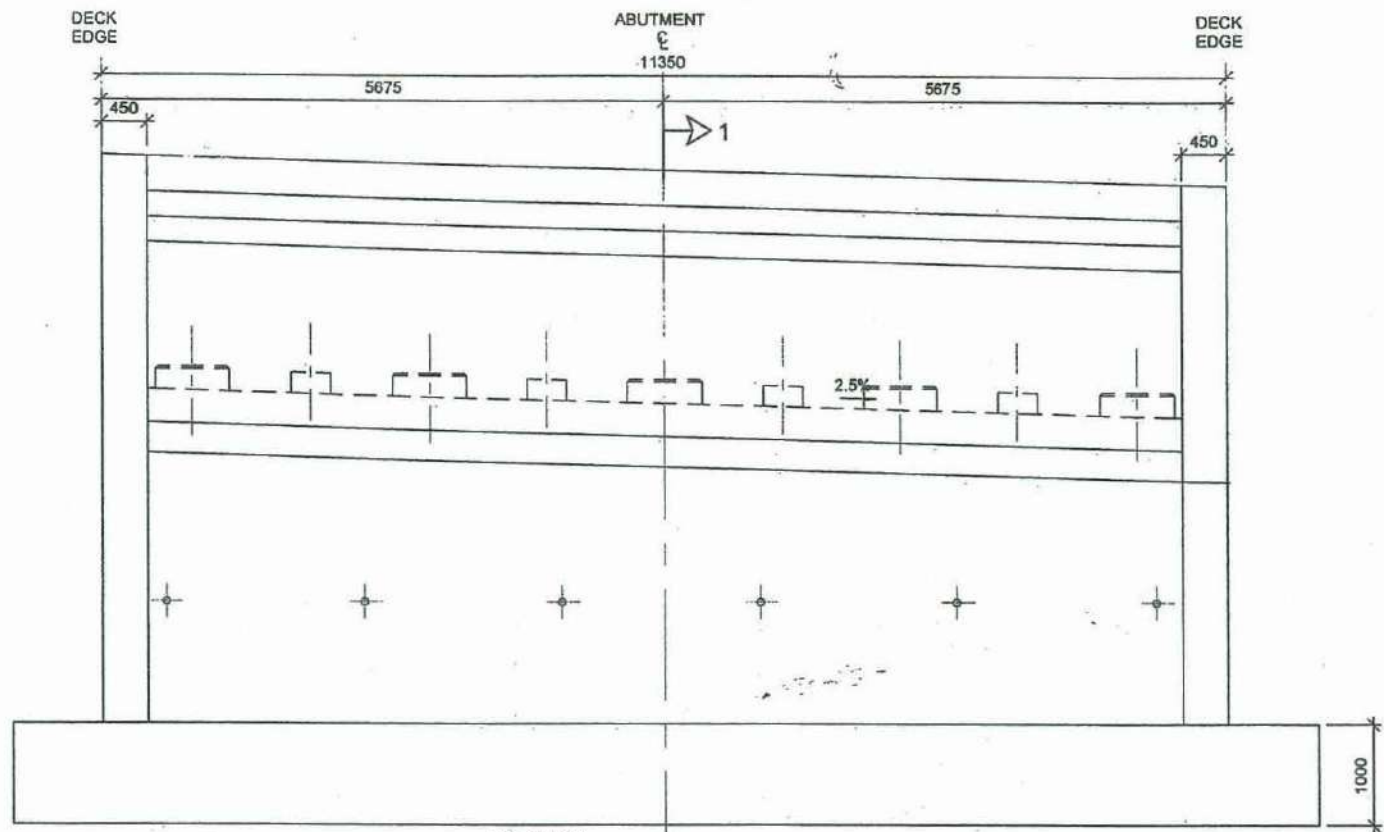


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S.W.R.D. BANDARANAIKE MAWATHA, KANDY  
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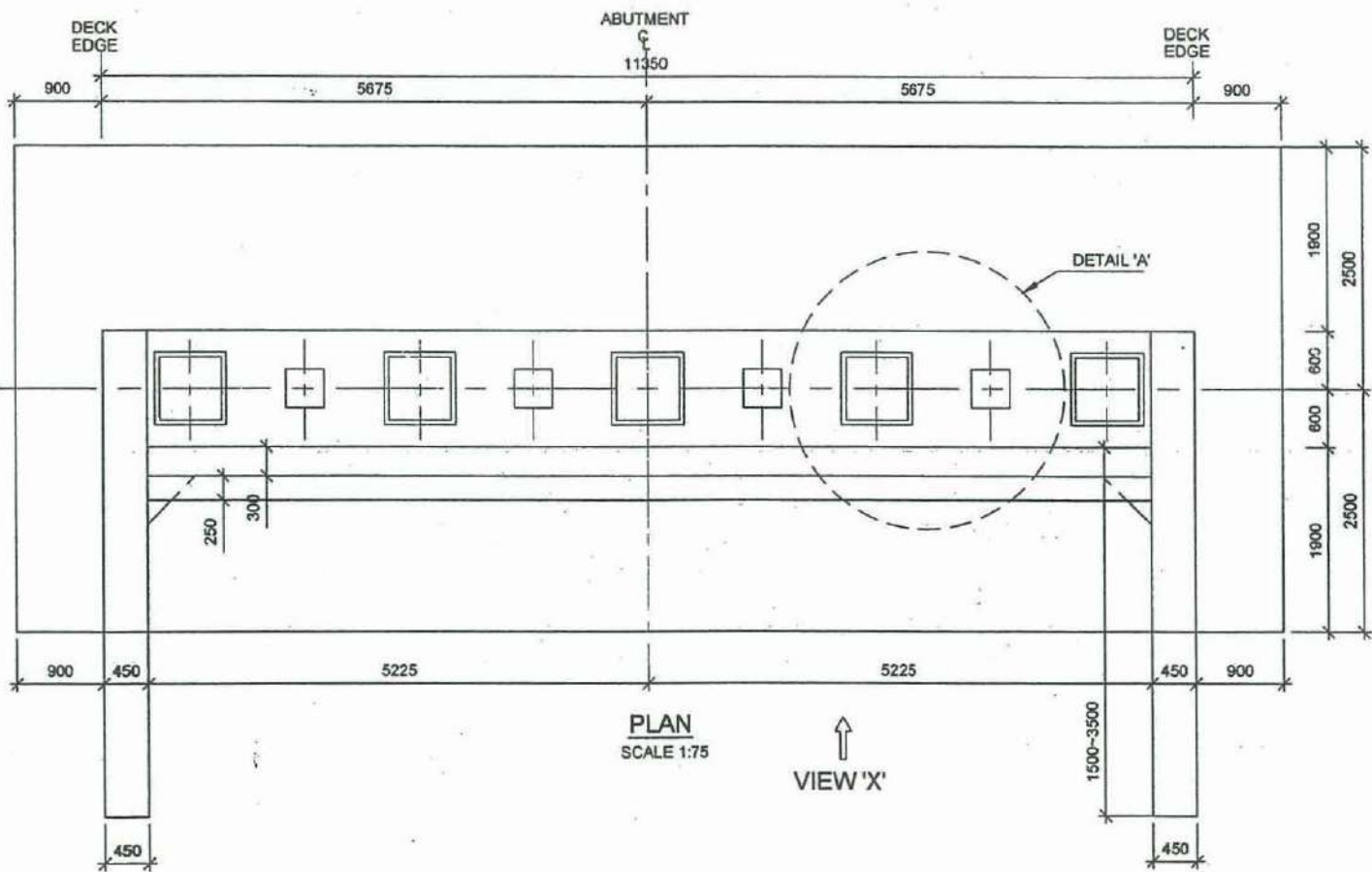
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DATE :  
Sheet 02 of 02  
DRG.No. : DD-FWD-SP-ESE-ST-EW-F9-S2-CO-006

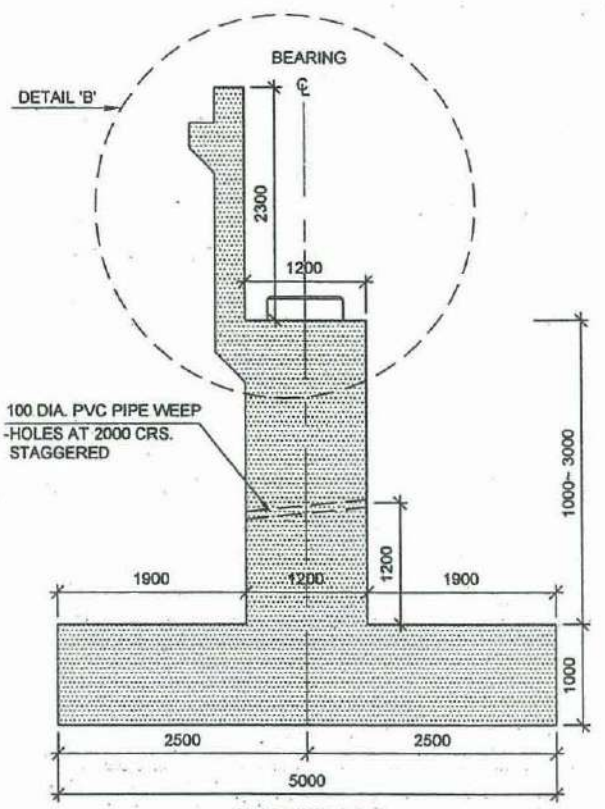




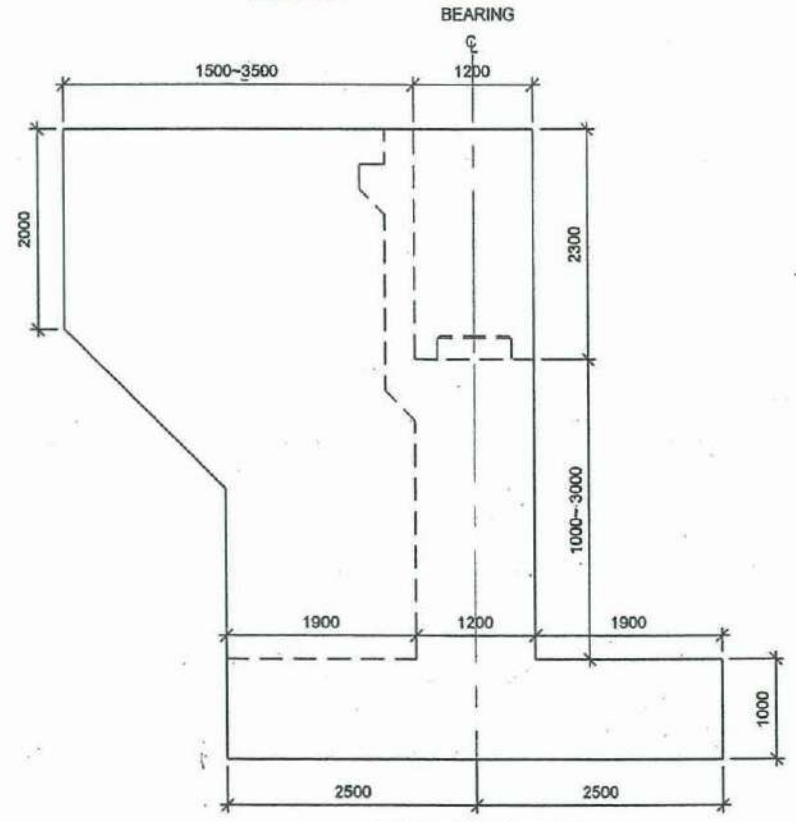
**VIEW 'X'**  
ELEVATION  
SCALE 1:75



**PLAN**  
SCALE 1:75  
VIEW 'X'

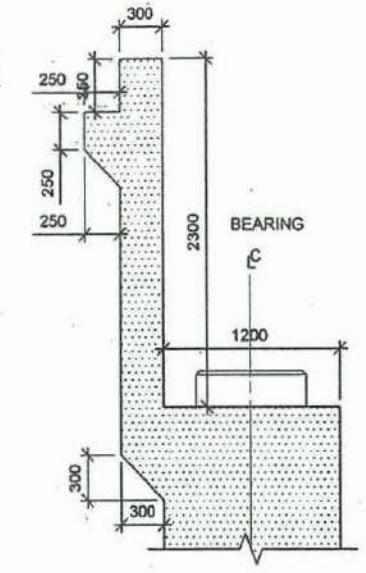


**SECTION 1-1**  
SCALE 1:75

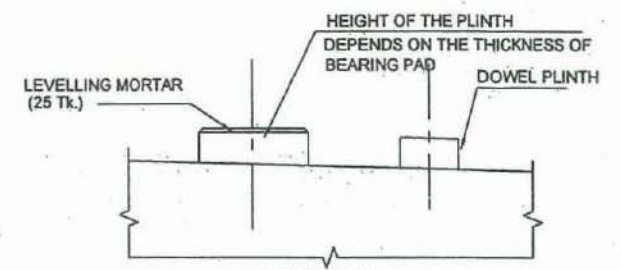


**LEFT WING WALL**  
SCALE 1:75

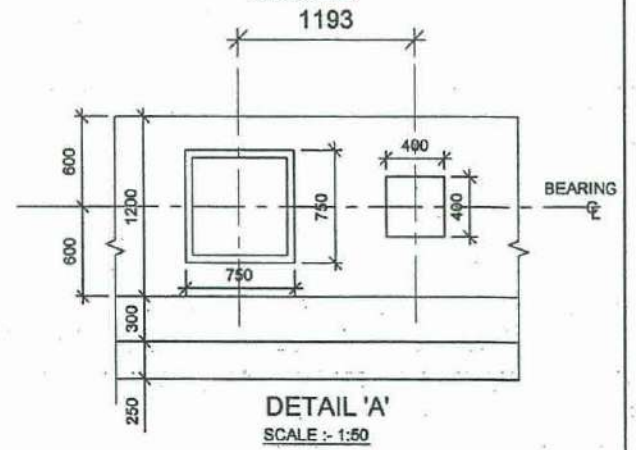
NOTE: CONCRETE OUTLINE OF RIGHT SIDE WING WALL (VIEW 'Y') IS SIMILAR TO ABOVE



**DETAIL 'B'**  
SCALE 1:50



**VIEW 'Y'**  
SCALE 1:50



**DETAIL 'A'**  
SCALE 1:50

- NOTES :-
1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES ABOVE MEAN SEA LEVEL UNLESS OTHERWISE STATED.
  2. STRUCTURAL CONCRETE SHALL BE OF GRADE 30(20).
  3. FOR LEVELLING MORTAR USE PROPRIETARY TYPE WITH MINIMUM STRENGTH OF 30 N/mm<sup>2</sup> AT 7 DAYS

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TOWETIYA (SECTION -2)**

TYPICAL DETAILS OF RIVER AND UNDERPASS BRIDGE - ABUTMENT (TYPE 01)

64



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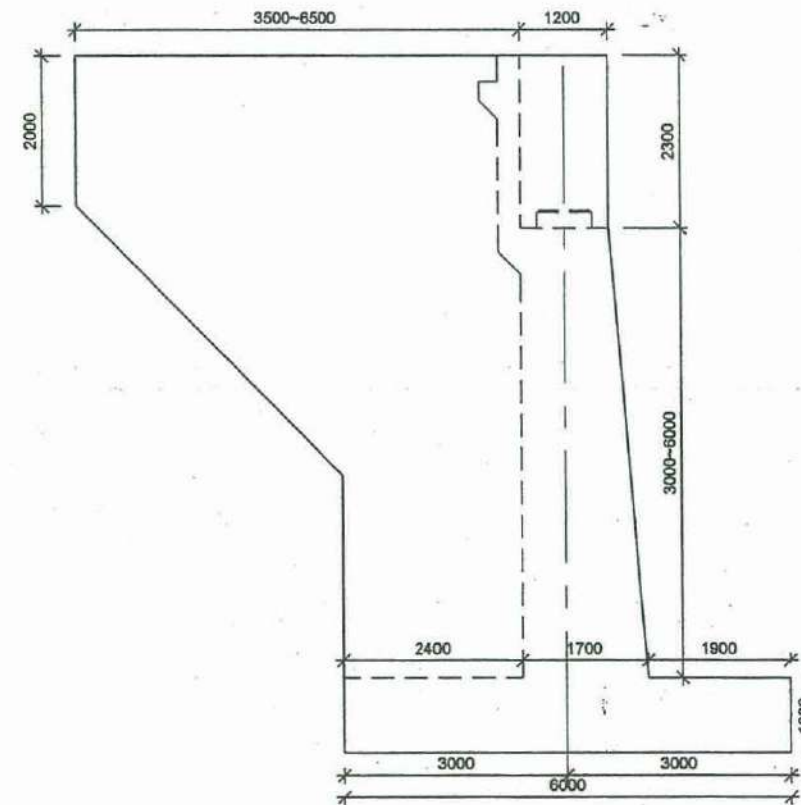
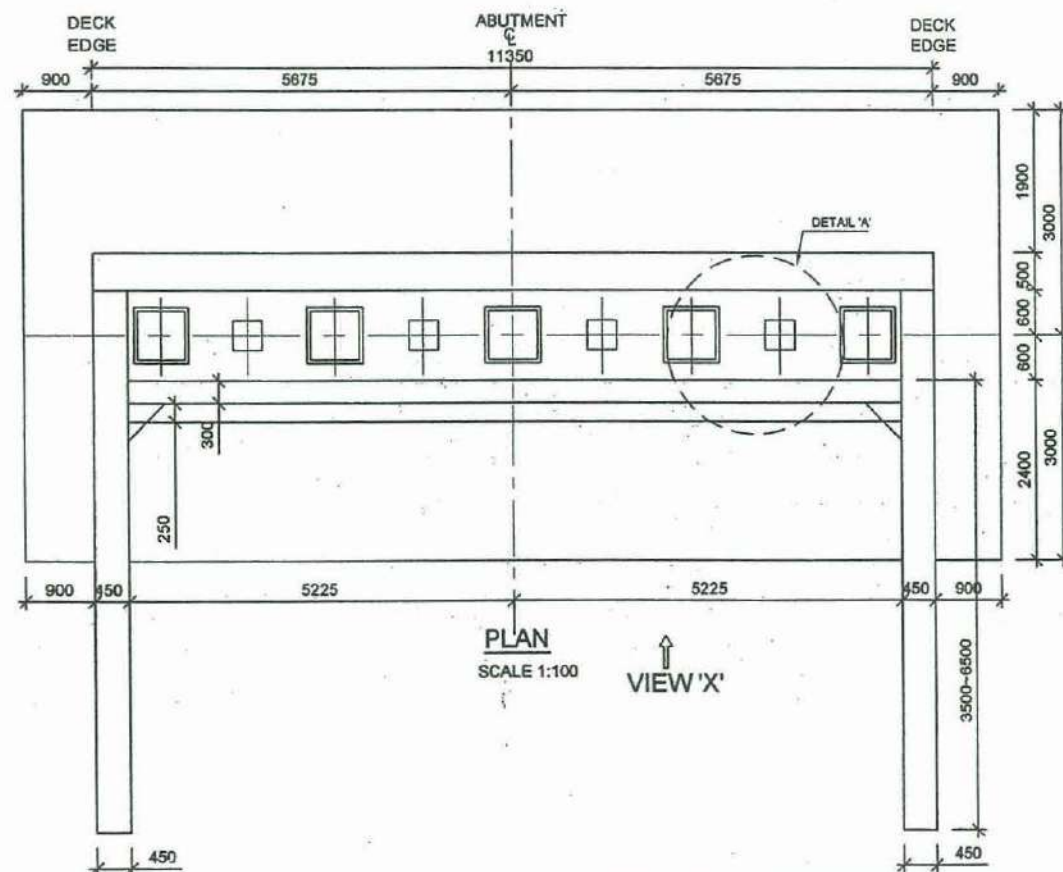
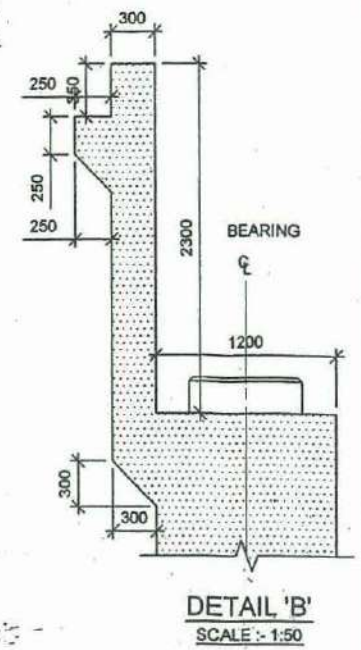
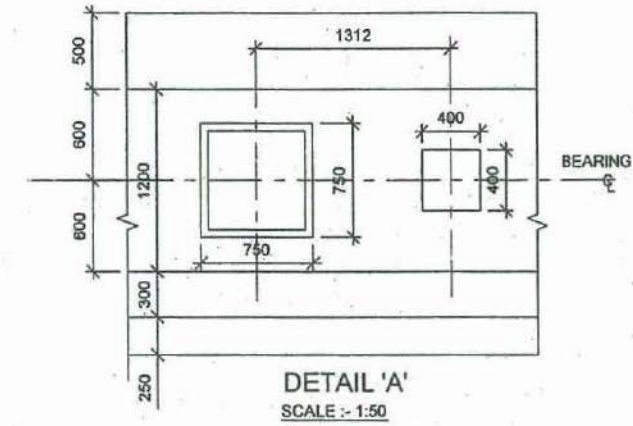
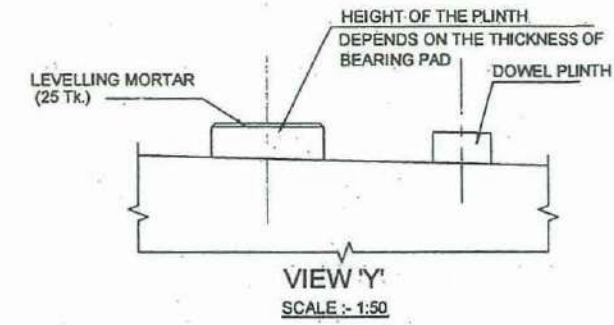
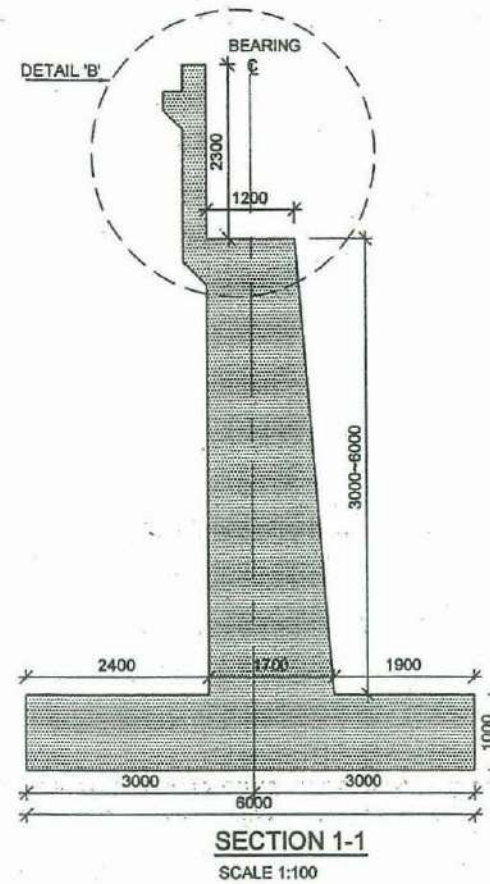
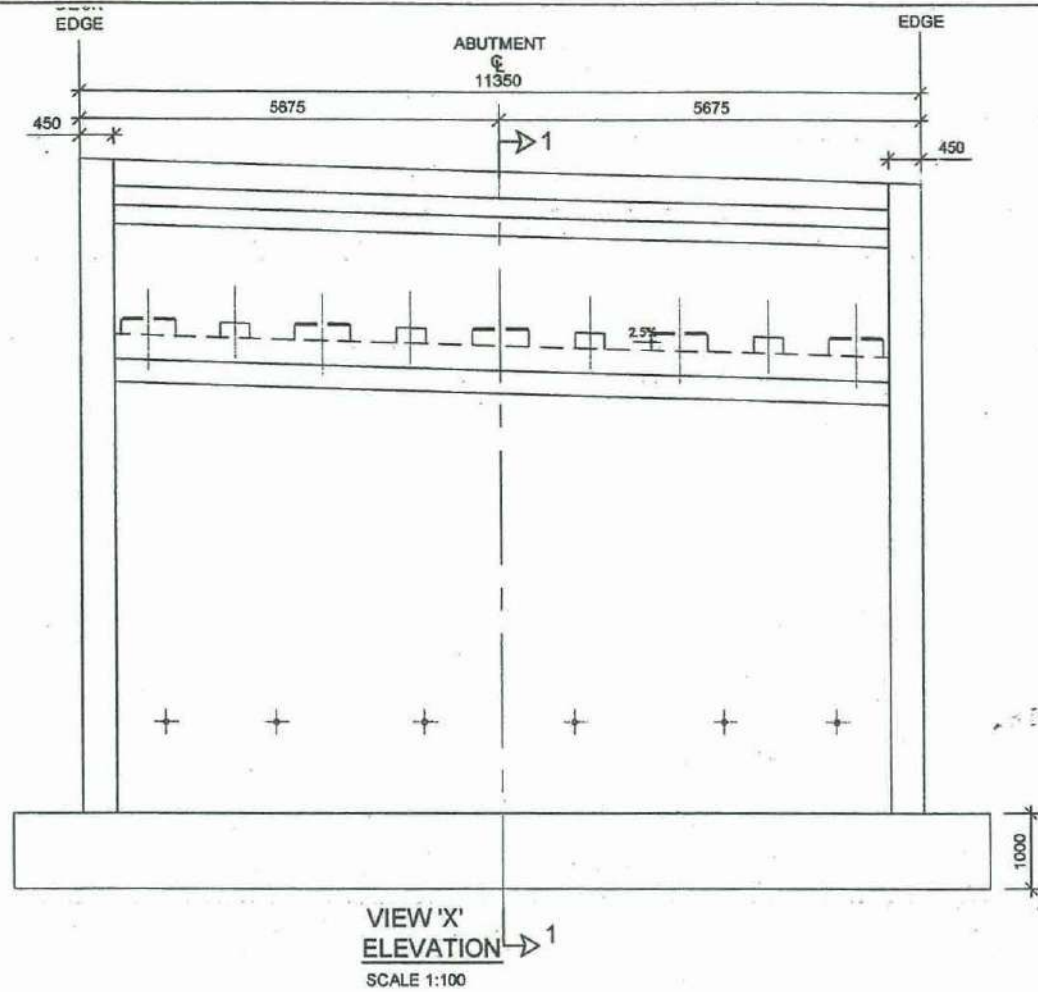
DESIGN OFFICE (C.P.),  
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S.W.R.D. BANDARANAIKE MAWATHA, KANDY  
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*Handwritten initials/signature*

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NOTE: CONCRETE OUTLINE OF RIGHT SIDE WING WALL (VIEW 'Y') IS SIMILAR TO ABOVE  
SCALE 1:100

- NOTES :-
1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES ABOVE MEAN SEA LEVEL UNLESS OTHERWISE STATED.
  2. STRUCTURAL CONCRETE SHALL BE OF GRADE 30(20).
  3. FOR LEVELLING MORTAR USE PROPRIETARY TYPE WITH MINIMUM STRENGTH OF 30 N/mm<sup>2</sup> AT 7 DAYS

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
(SECTION -2)**

TYPICAL DETAILS OF RIVER BRIDGE AND UNDERPASS BRIDGE - ABUTMENT (TYPE 02)

G5



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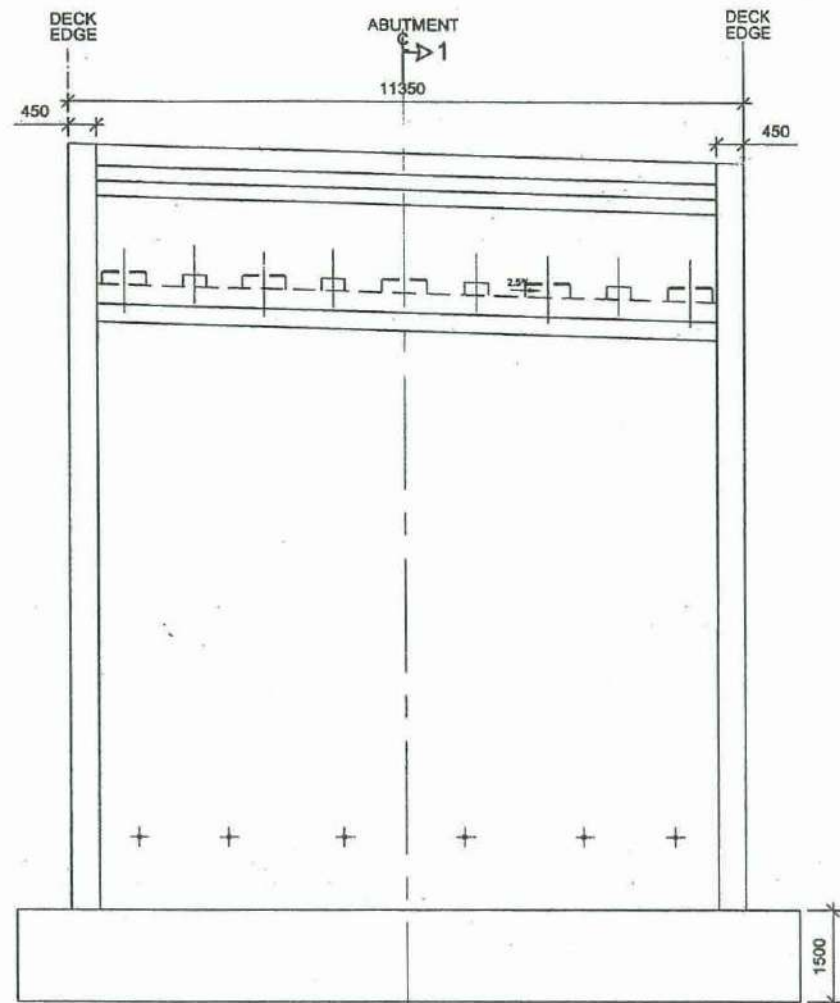


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S.W.R.D. BANDARANAIKE MAWATHA, KANDY  
TEL : 0612234267 FAX : 0612234267 email : docp@da.gov.lk

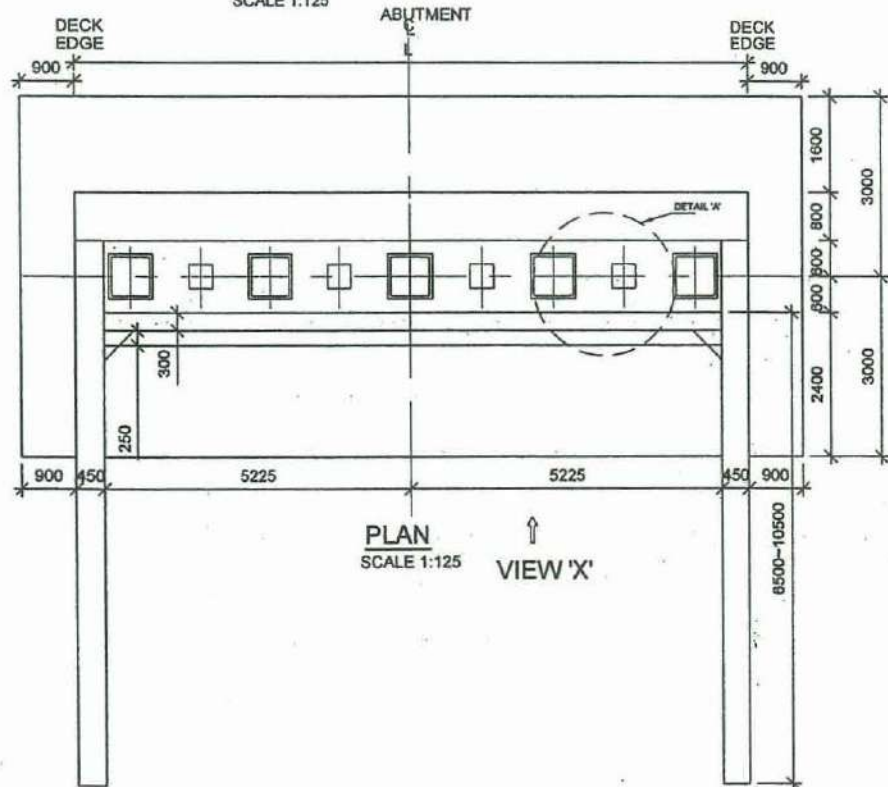
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DATE : \_\_\_\_\_  
Sheet 02 of 02  
DRG.No. : DD-FWD-SP-ESE-ST-EW-F3-52-CO-006

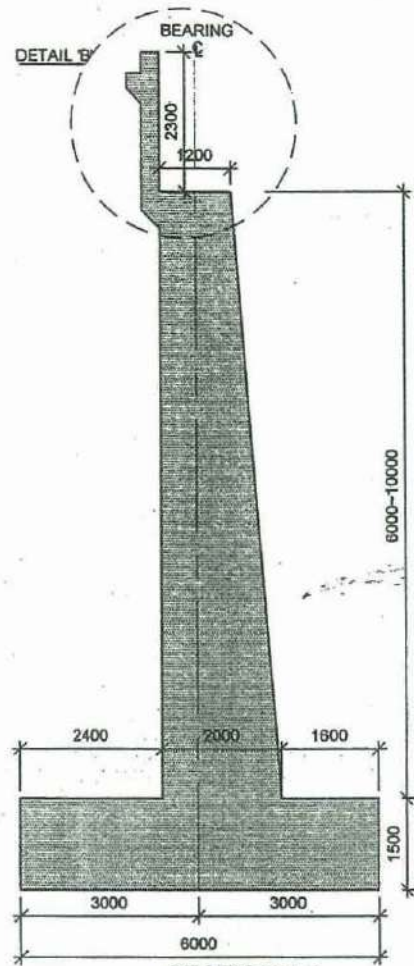




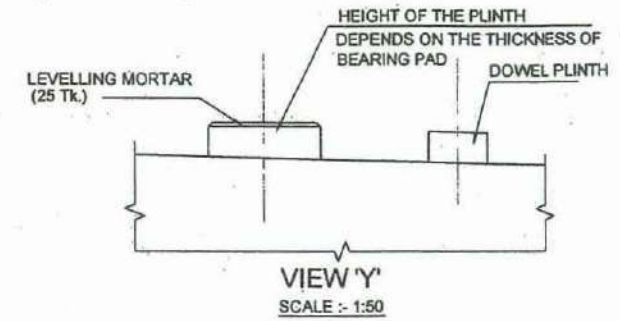
VIEW 'X'  
ELEVATION  
SCALE 1:125



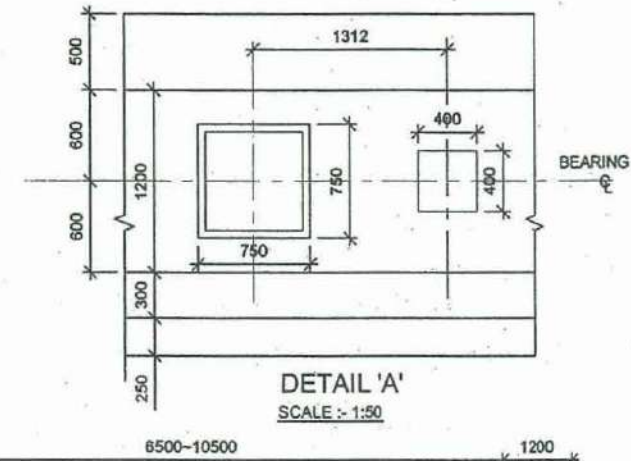
PLAN  
SCALE 1:125



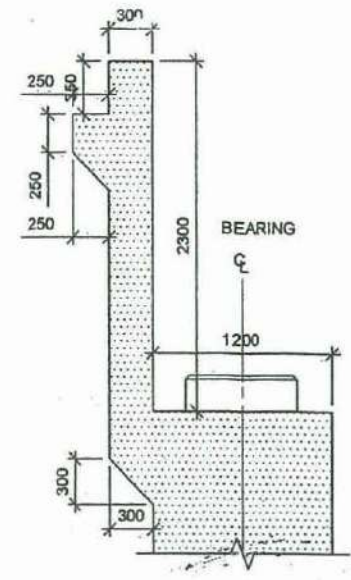
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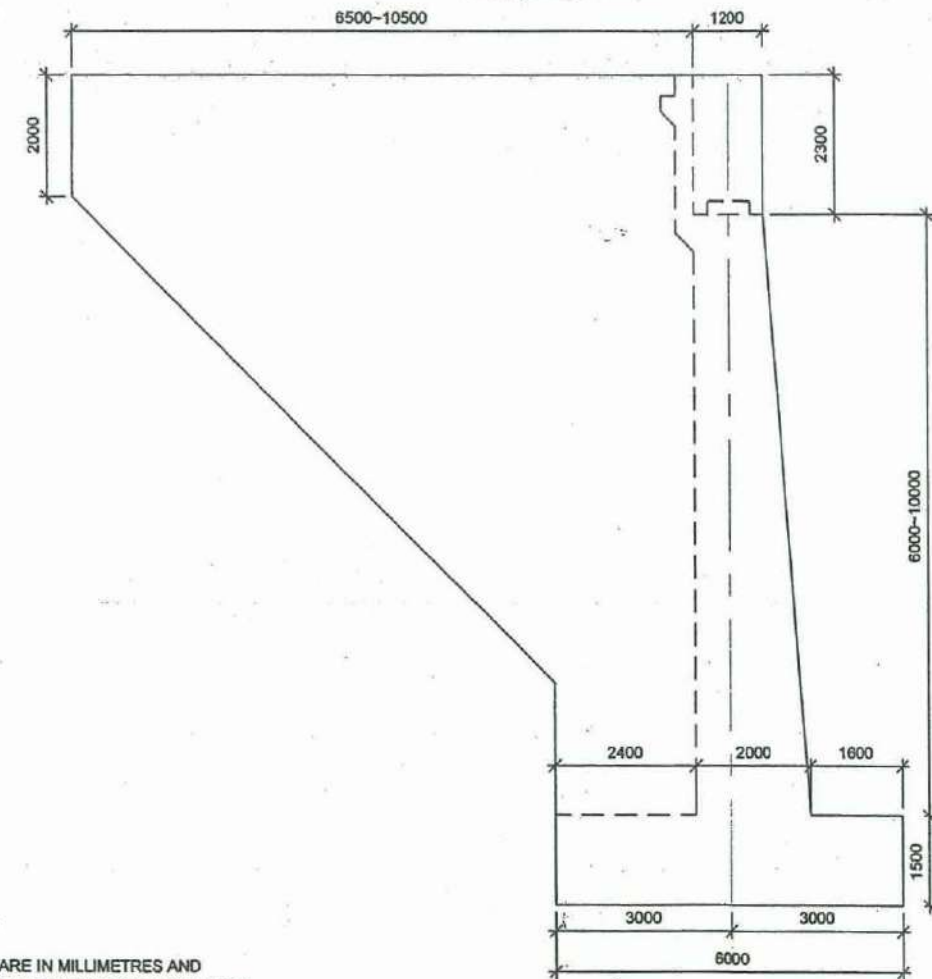
VIEW 'Y'  
SCALE 1:50



DETAIL 'A'  
SCALE 1:50



DETAIL 'B'  
SCALE 1:50



LEFT WING WALL

NOTE: CONCRETE OUTLINE OF RIGHT SIDE WING WALL (VIEW 'Y') IS SIMILAR TO ABOVE  
SCALE 1:125

NOTES :-

1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES ABOVE MEAN SEA LEVEL UNLESS OTHERWISE STATED.
2. STRUCTURAL CONCRETE SHALL BE OF GRADE 30(20).
3. FOR LEVELLING MORTAR USE PROPRIETARY TYPE WITH MINIMUM STRENGTH OF 30 N/mm<sup>2</sup> AT 7 DAYS

EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
(SECTION -2)

TYPICAL DETAILS OF RIVER BRIDGE AND UNDERPASS BRIDGE - ABUTMENT (TYPE 03)

66



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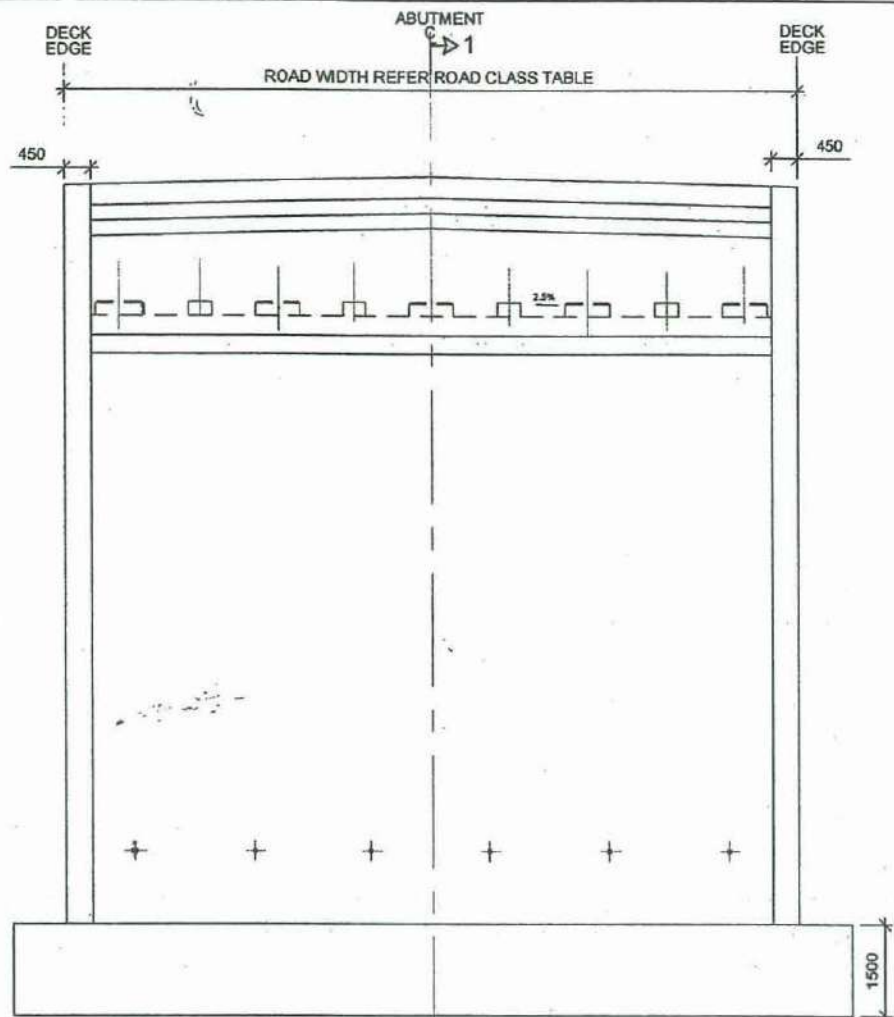
DESIGN OFFICE (C.P.),  
ROAD DEVELOPMENT AUTHORITY  
S.W.R.D. BANDARANAIKE MAWATHA, KANDY  
TEL : 0812234267 FAX : 0812234267 email : docp@rda.gov.lk

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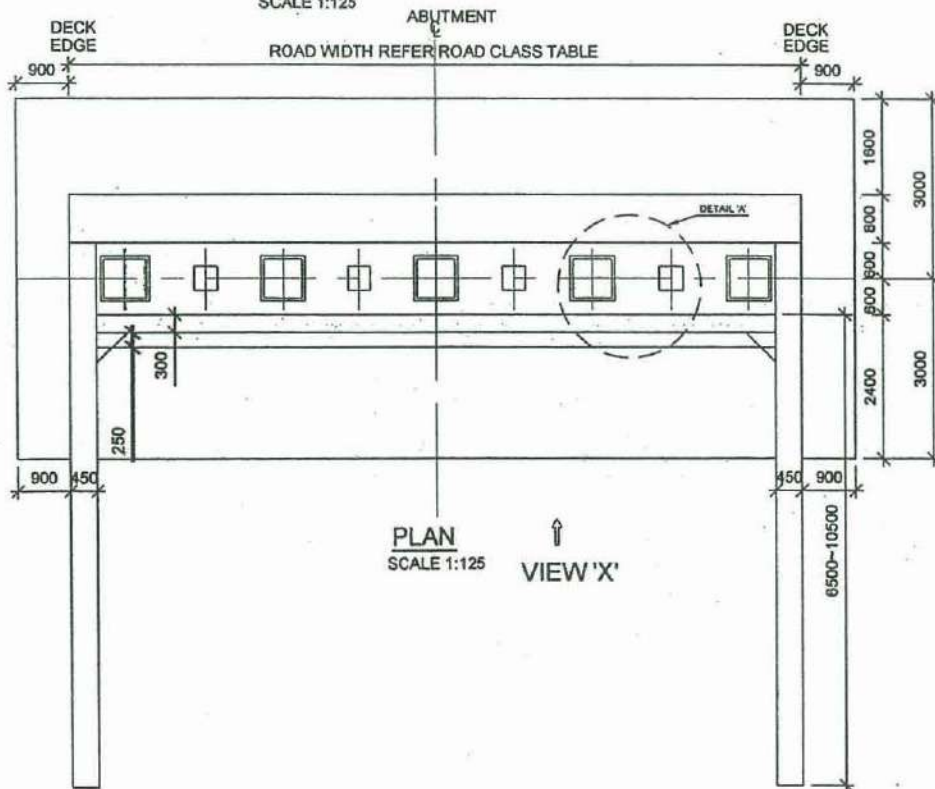
DATE : \_\_\_\_\_ Sheet 03 of 03

DRG.No. : DD-PWD-SP-ESE-ST-EW-FS-S2-CO-006

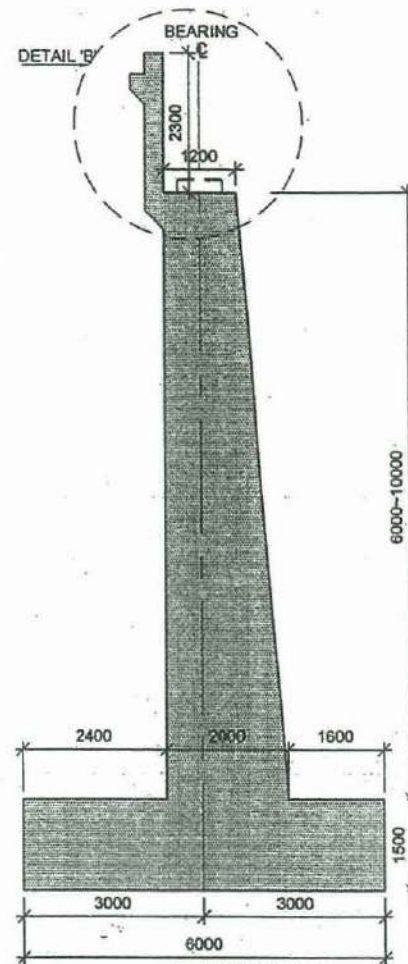




VIEW 'X'  
ELEVATION  
SCALE 1:125

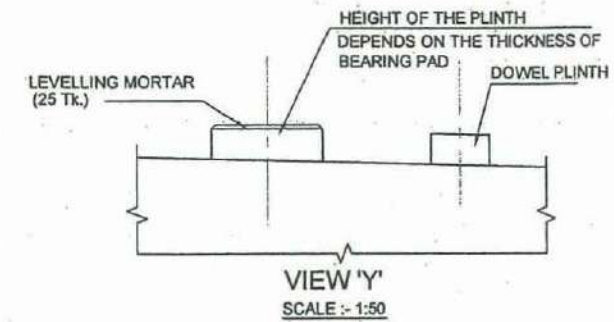


PLAN  
SCALE 1:125  
VIEW 'X'

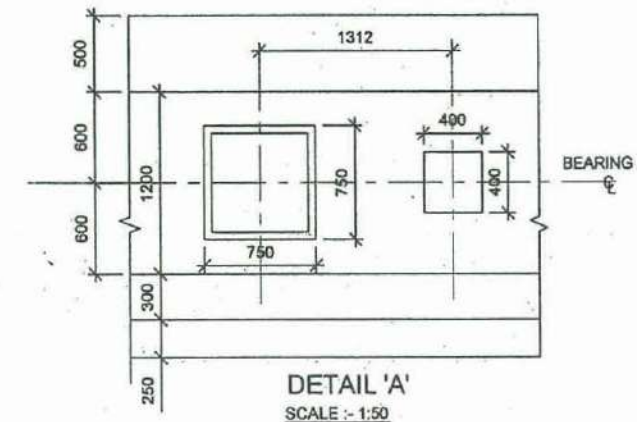


SECTION 1-1  
SCALE 1:125

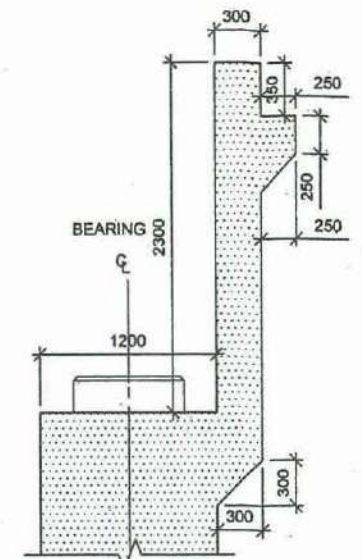
ROAD CLASS	ROAD WIDTH	NO OF BEAM FOR SPAN
A	22100	10
B2	22100	10
B3	13900	6
C	10900	5
D	7400	3
E	6800	3



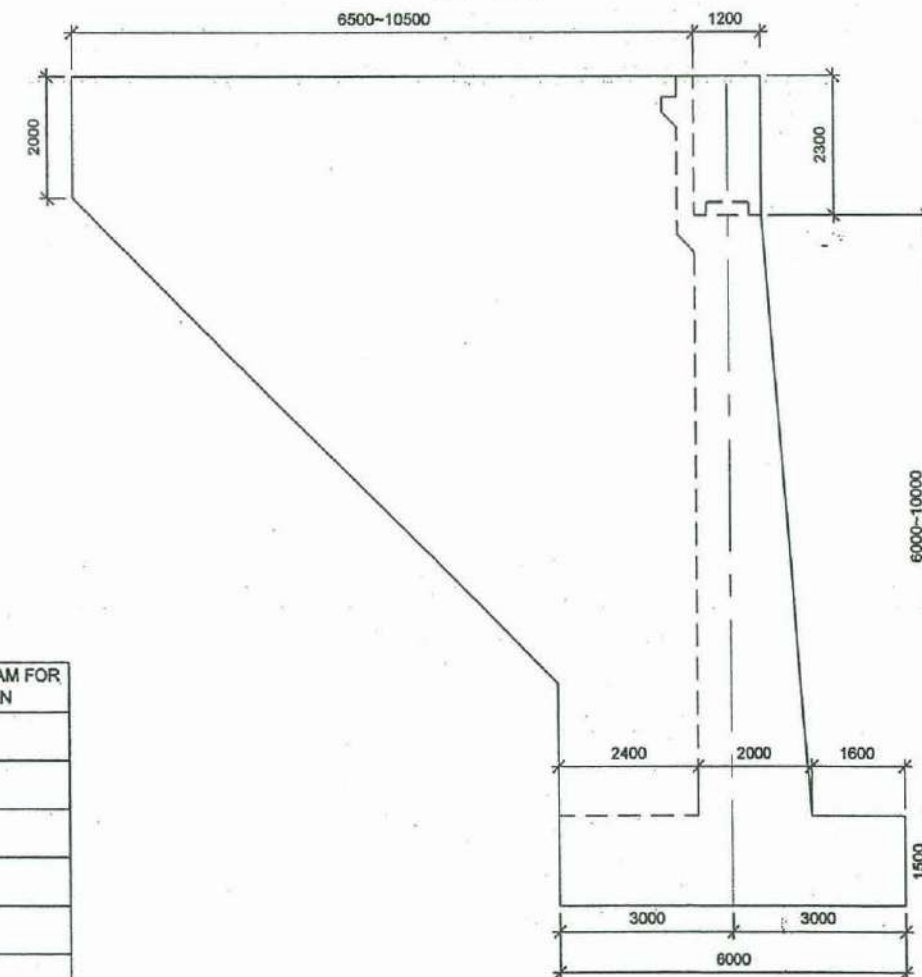
VIEW 'Y'  
SCALE 1:50



DETAIL 'A'  
SCALE 1:50



DETAIL 'B'  
SCALE 1:50



LEFT WING WALL

NOTE: CONCRETE OUTLINE OF RIGHT SIDE WING WALL (VIEW 'Y') IS SIMILAR TO ABOVE  
SCALE 1:125

EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
(SECTION -2)

TYPICAL DETAILS OF OVER PASS BRIDGE - ABUTMENT



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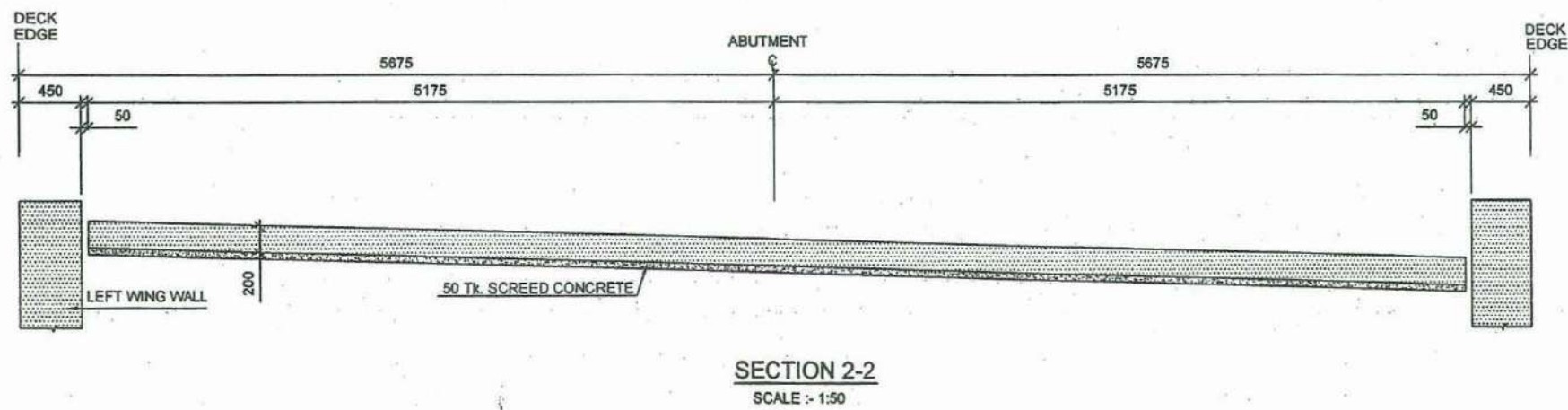
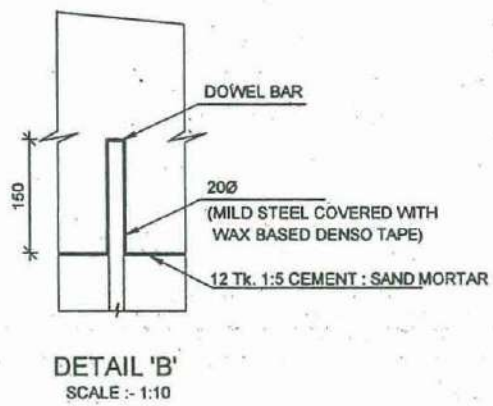
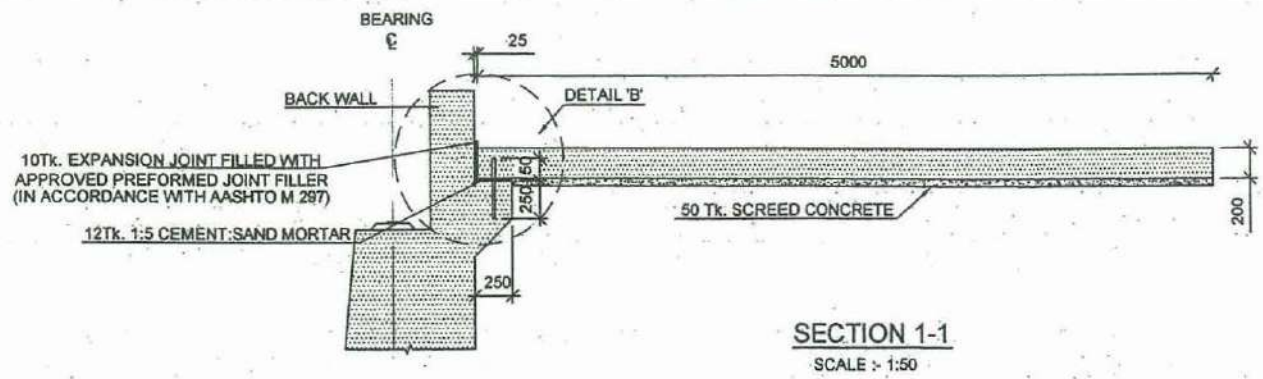
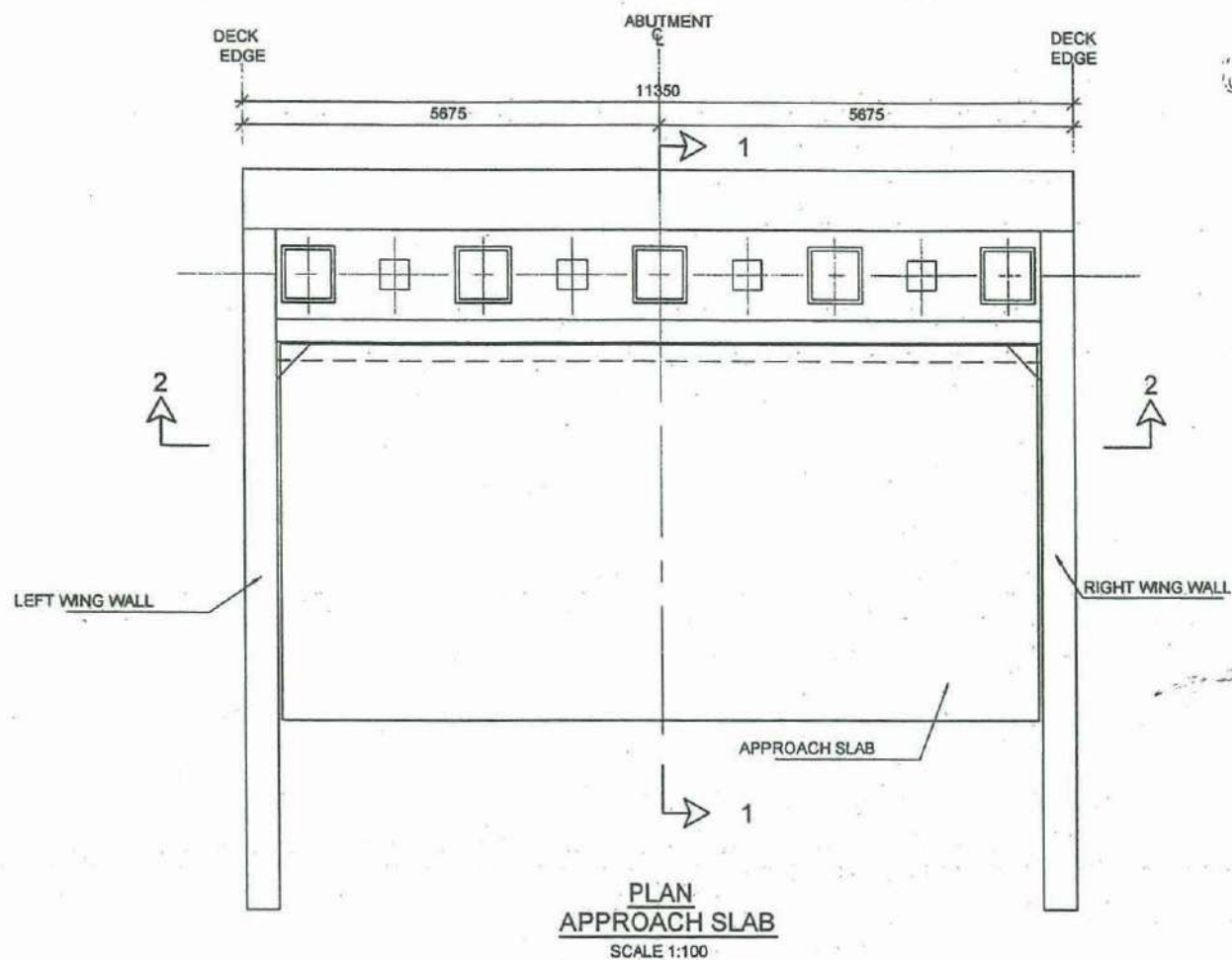
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ROAD DEVELOPMENT AUTHORITY  
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*BW*

DATE : \_\_\_\_\_ Sheet 01 of 01


DRG.No. : DD-FWD-SP-E3E-ST-EW-FS-32-CO-007





- NOTES :-
1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES ABOVE MEAN SEA LEVEL UNLESS OTHERWISE STATED.
  2. STRUCTURAL CONCRETE SHALL BE OF GRADE 30(20).
  3. FOR LEVELLING MORTAR USE PROPRIETARY TYPE WITH MINIMUM STRENGTH OF 30 N/mm<sup>2</sup> AT 7 DAYS

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA (SECTION -2)**

68  **DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA**  
**MINISTRY OF PORTS & HIGHWAYS**

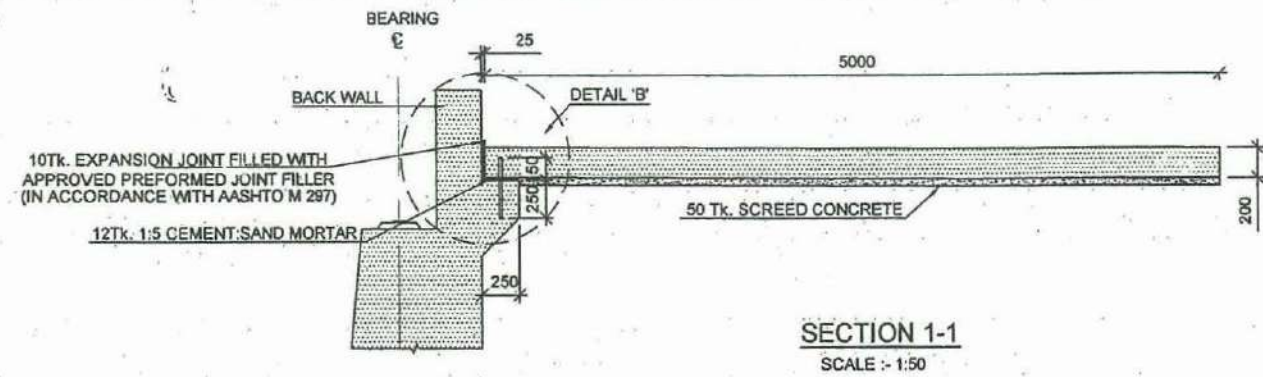
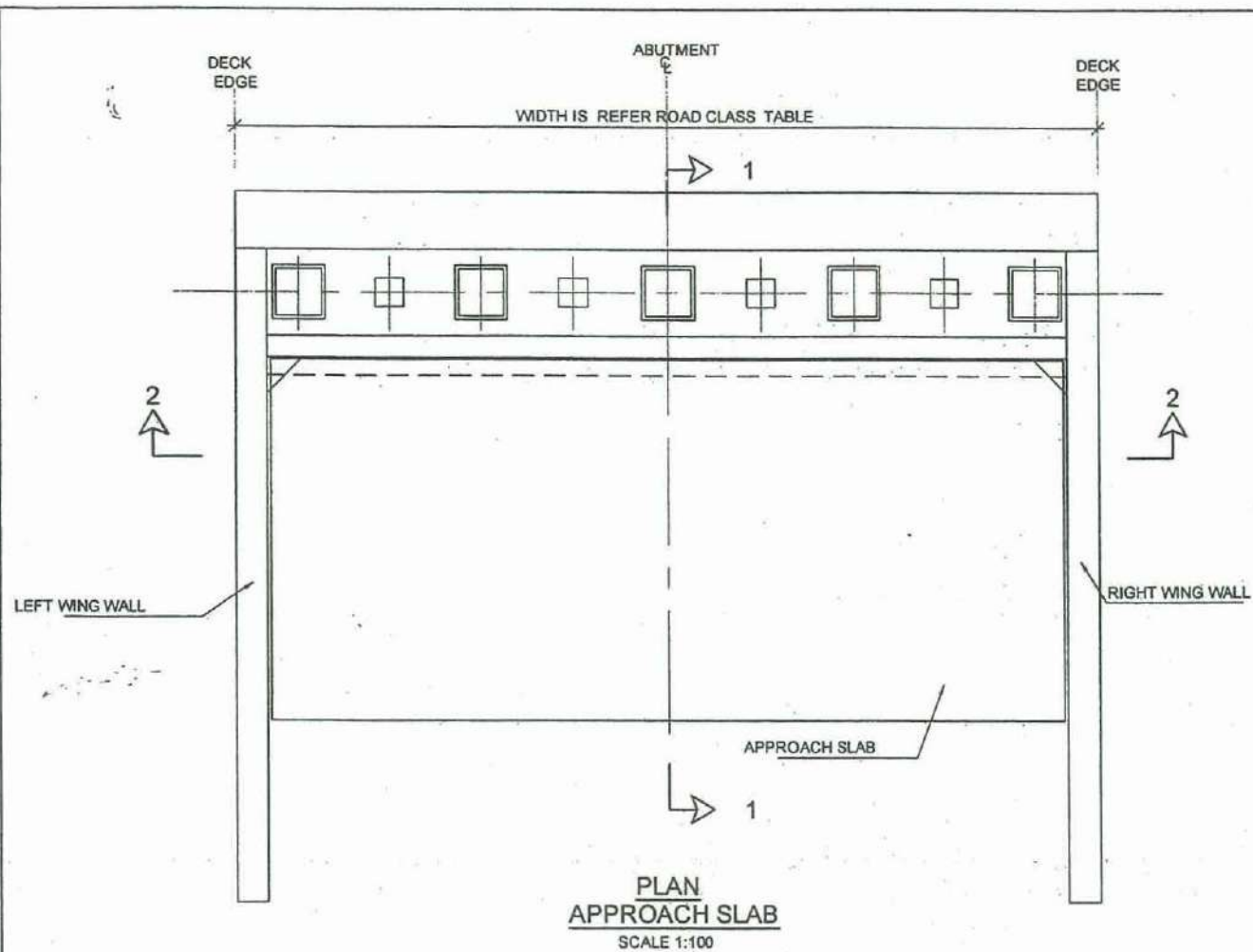
TYPICAL DETAILS OF RIVER BRIDGE AND UNDERPASS BRIDGE - TYPICAL APPROACH SLAB

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S.W.R.D. BANDARANAIKE MAWATHA, KANDY  
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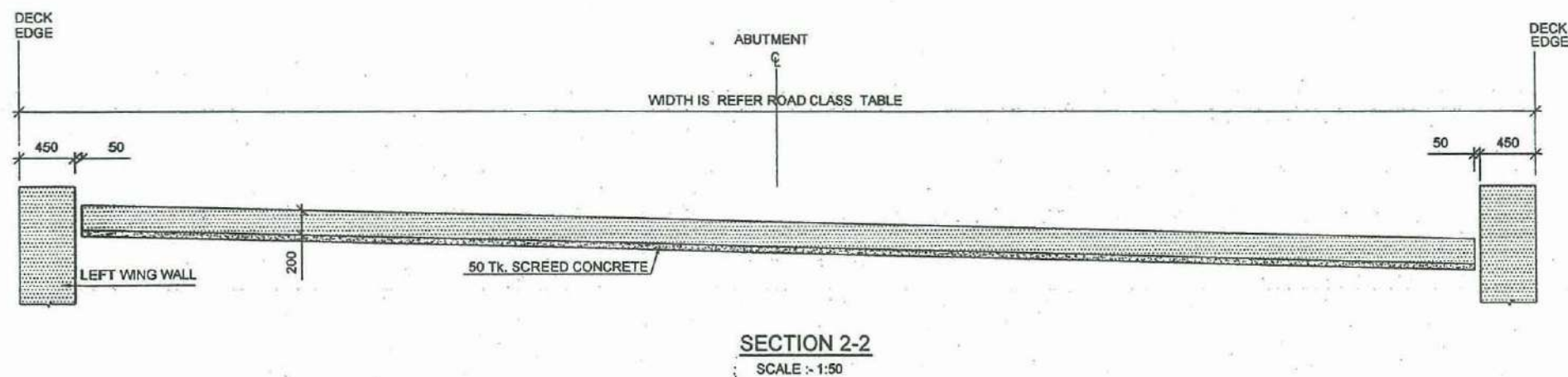
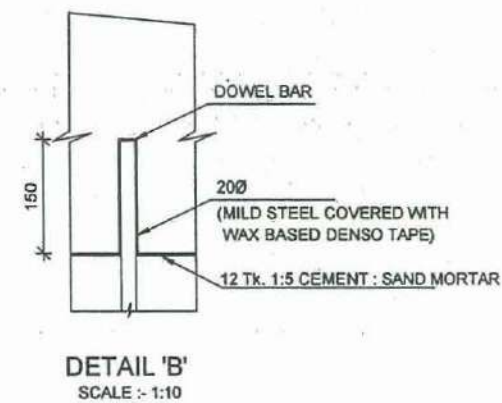
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DATE : \_\_\_\_\_  
DRG.No. : DD-FWD-SP-ESE-ST-EW-FS-SZ-CO-008  
Sheet 01 of 01





ROAD CLASS	ROAD WIDTH	NO OF BEAM FOR SPAN
A	22100	10
B2	22100	10
B3	13900	6
C	10900	5
D	7400	3
E	6800	3



- NOTES :-
1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES ABOVE MEAN SEA LEVEL UNLESS OTHERWISE STATED.
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  3. FOR LEVELLING MORTAR USE PROPRIETARY TYPE WITH MINIMUM STRENGTH OF 30 N/mm<sup>2</sup> AT 7 DAYS

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA (SECTION -2)**

TYPICAL DETAILS OF OVER PASS BRIDGE - TYPICAL APPROACH SLAB

69



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA  
MINISTRY OF PORTS & HIGHWAYS



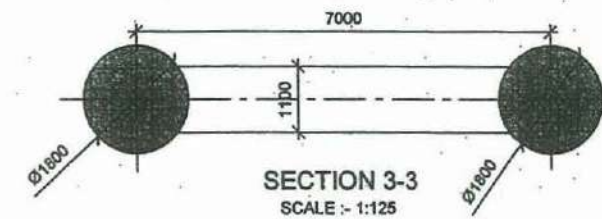
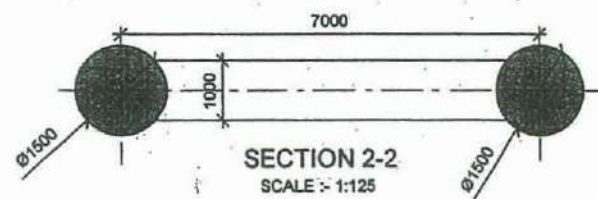
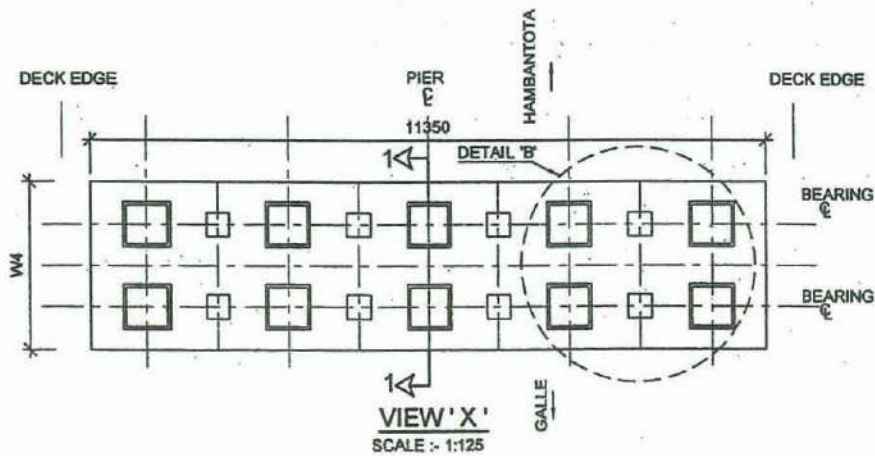
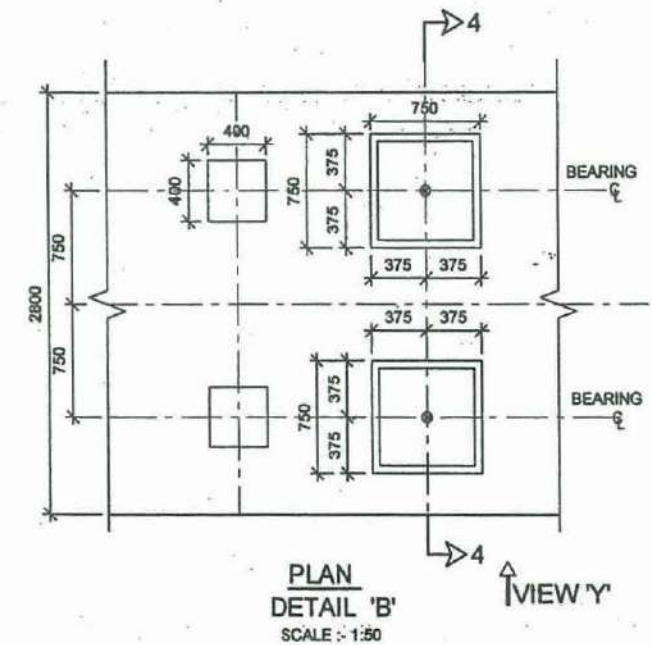
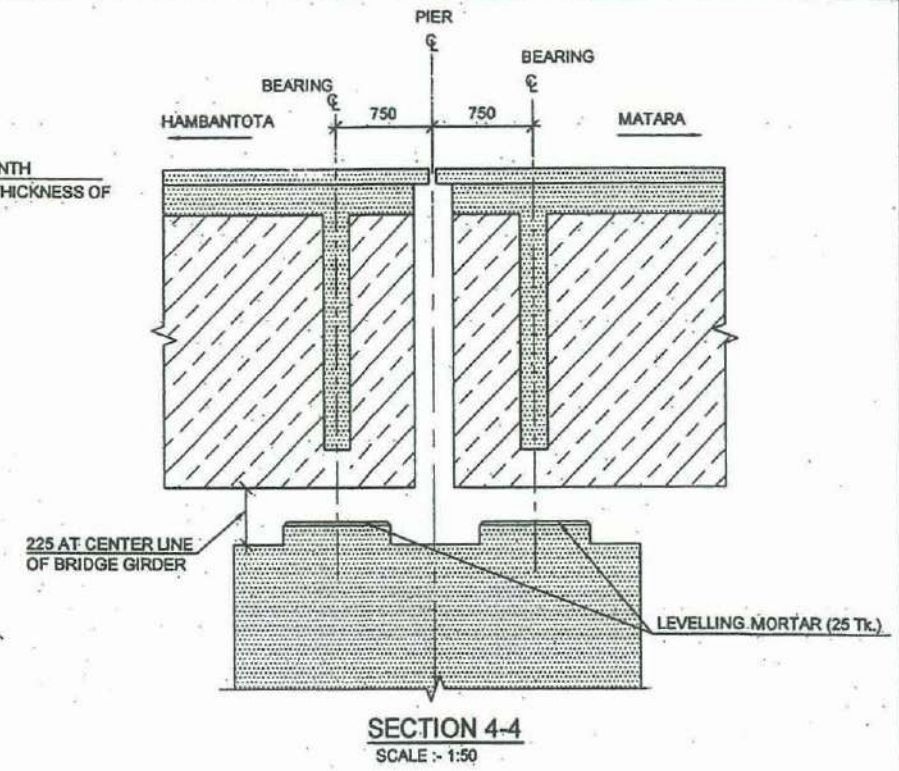
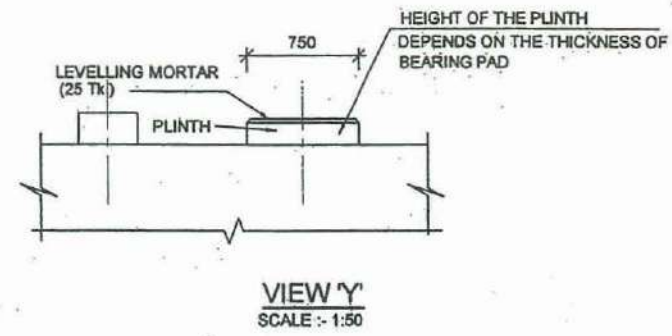
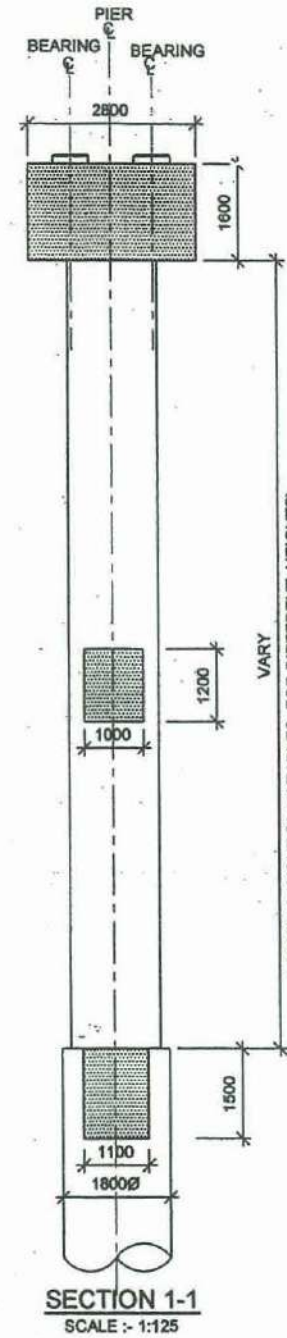
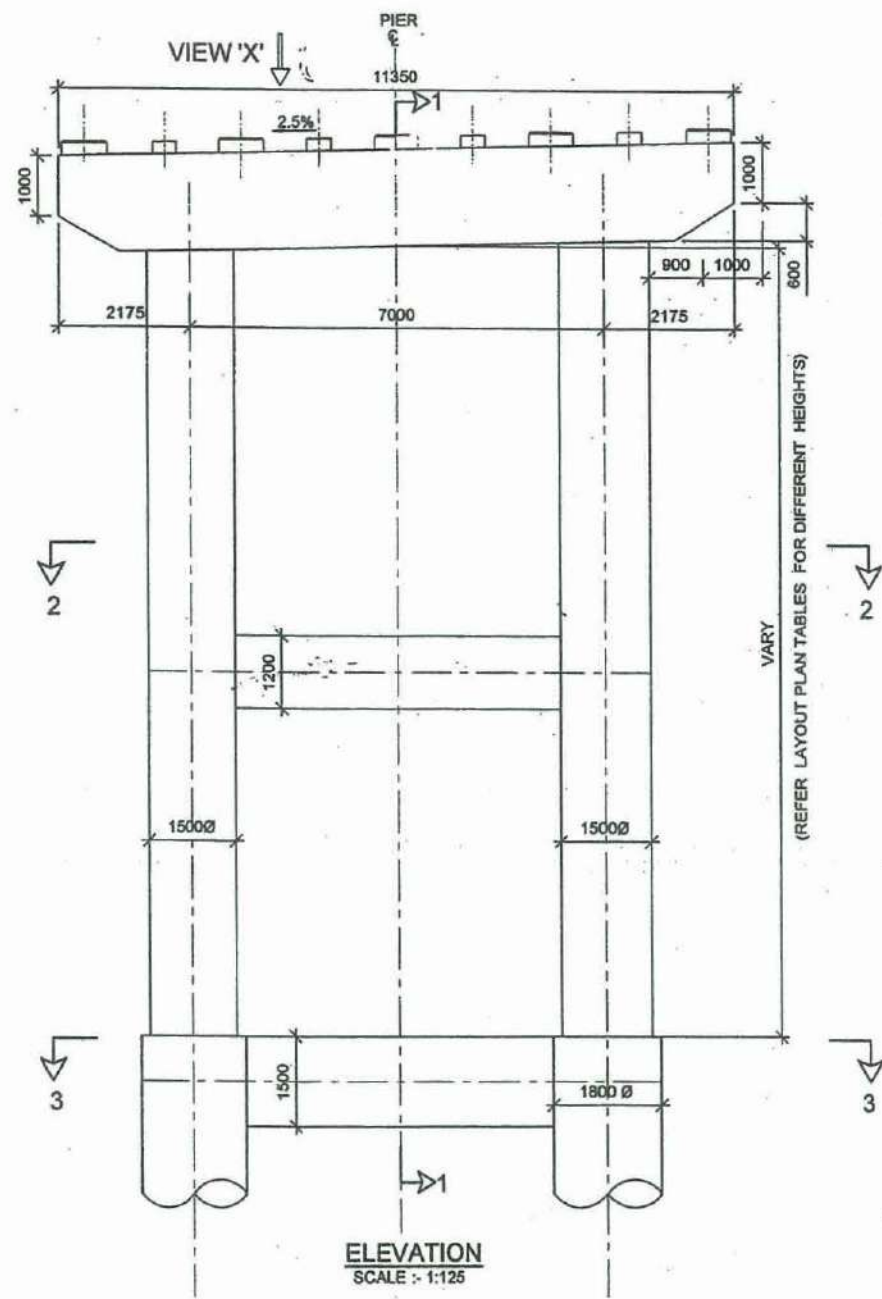
DESIGN OFFICE (C.P.),  
ROAD DEVELOPMENT AUTHORITY  
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TEL : 0812234267 FAX : 0812234267 email : decp@nda.gov.lk

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Sheet 01 of 01





- NOTES :-**
1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES ABOVE MEAN SEA LEVEL UNLESS OTHERWISE STATED.
  2. STRUCTURAL CONCRETE SHALL BE OF GRADE 30(20).
  3. FOR LEVELLING MORTAR USE PROPRIETARY TYPE WITH MINIMUM STRENGTH OF 30 N/mm<sup>2</sup> AT 7 DAYS

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
(SECTION -2)**

**CONCRETE OUT LINE OF PIER TYPE -01 (TYPICAL DETAILS)**

70



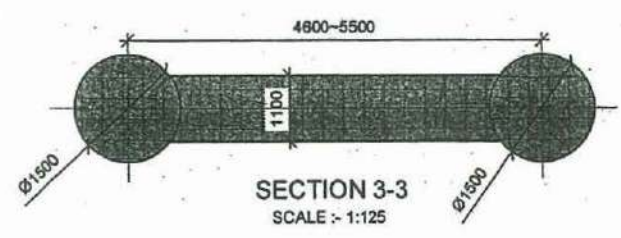
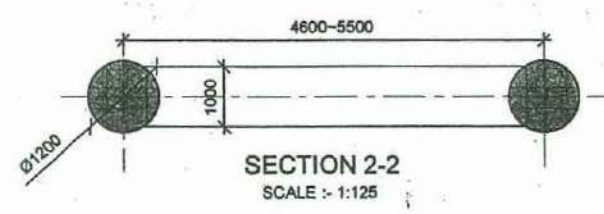
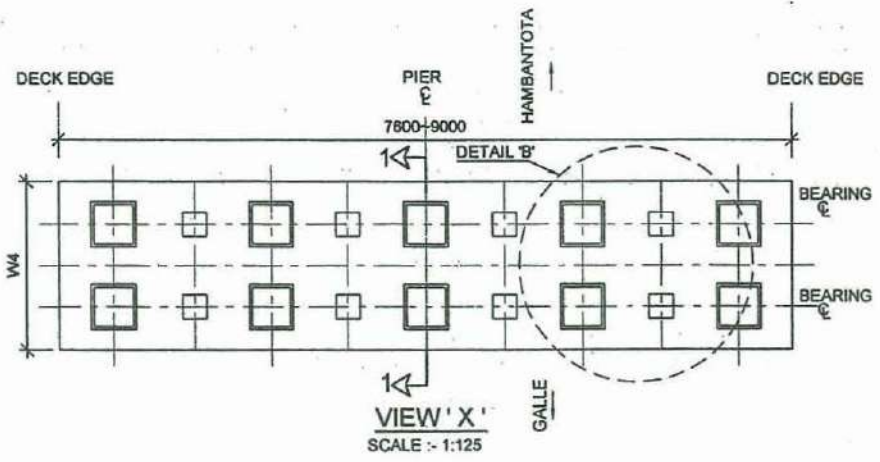
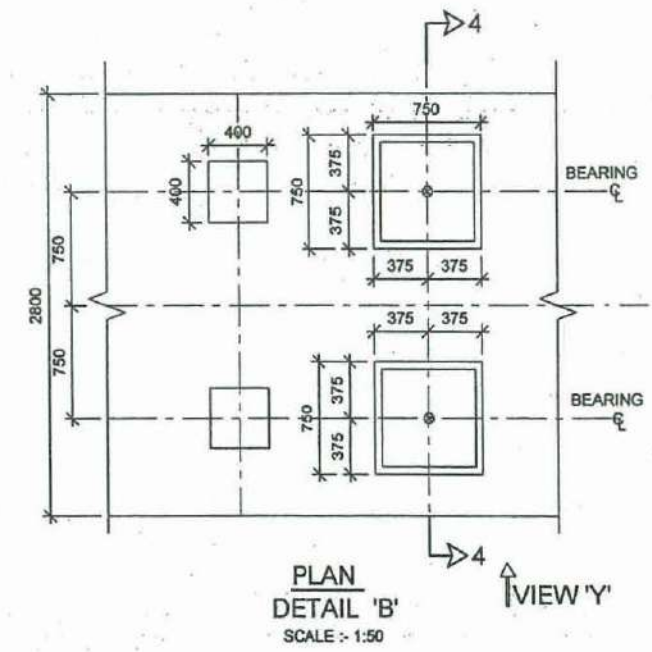
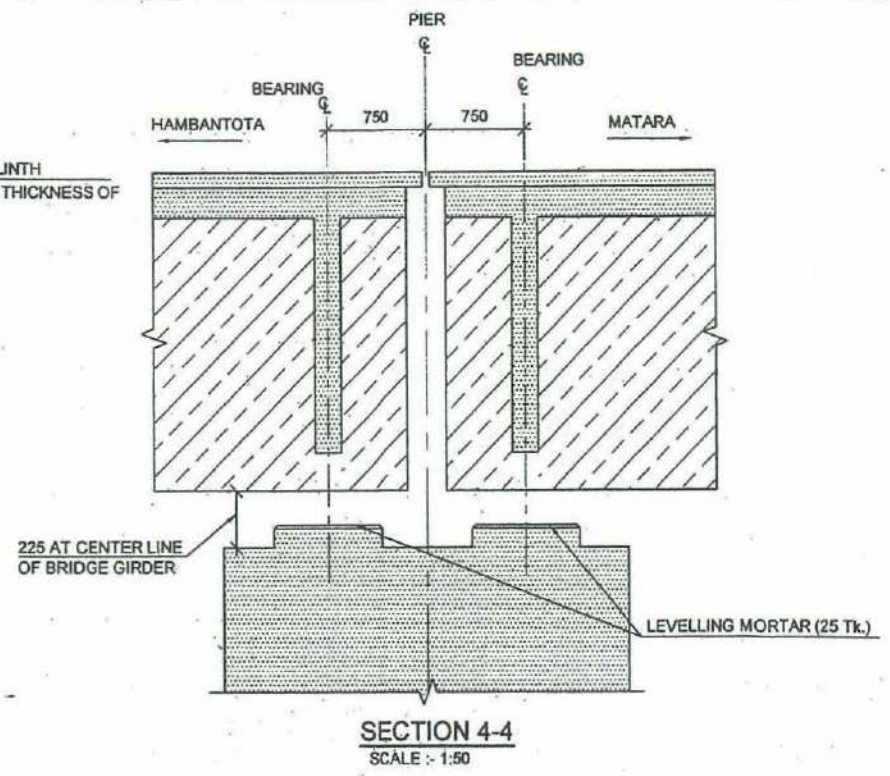
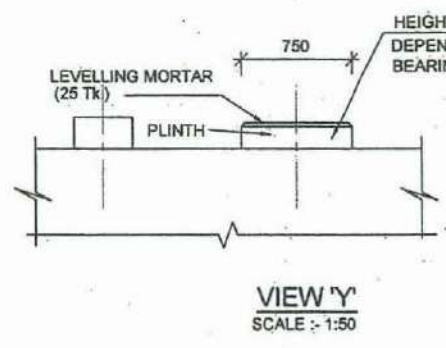
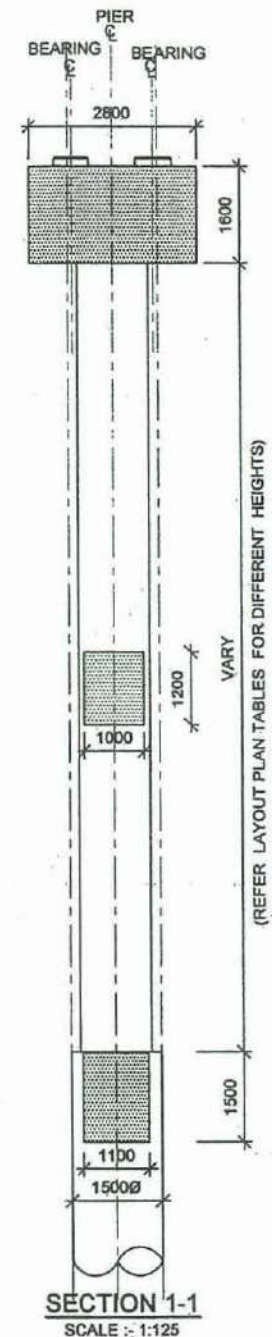
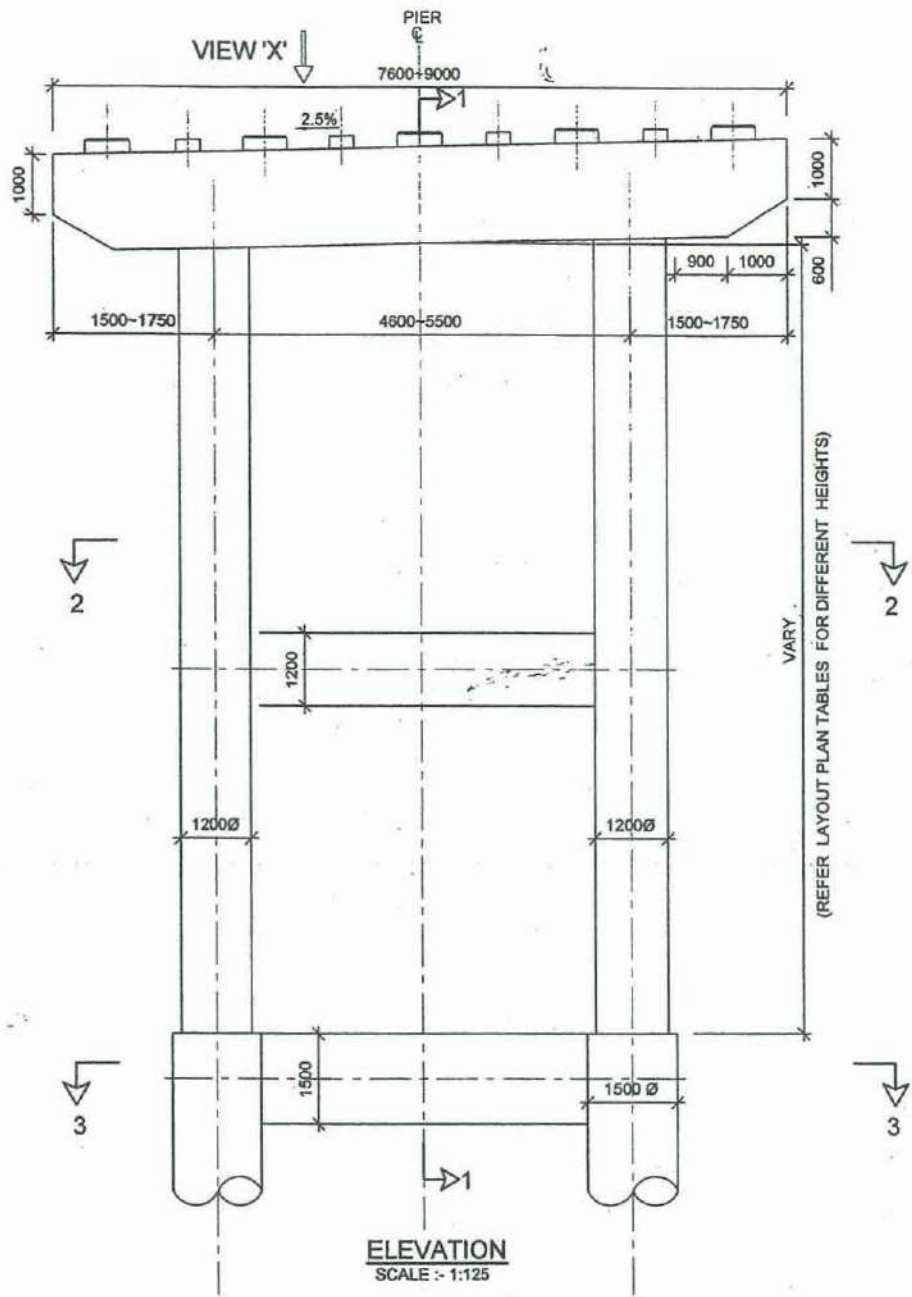
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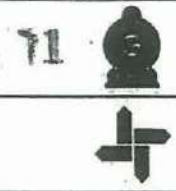




- NOTES :-
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  2. STRUCTURAL CONCRETE SHALL BE OF GRADE 30(20).
  3. FOR LEVELLING MORTAR USE PROPRIETARY TYPE WITH MINIMUM STRENGTH OF 30 N/mm<sup>2</sup> AT 7 DAYS

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA (SECTION -2)**

CONCRETE OUT LINE OF PIER TYPE -02 ( TYPICAL DETAILS )



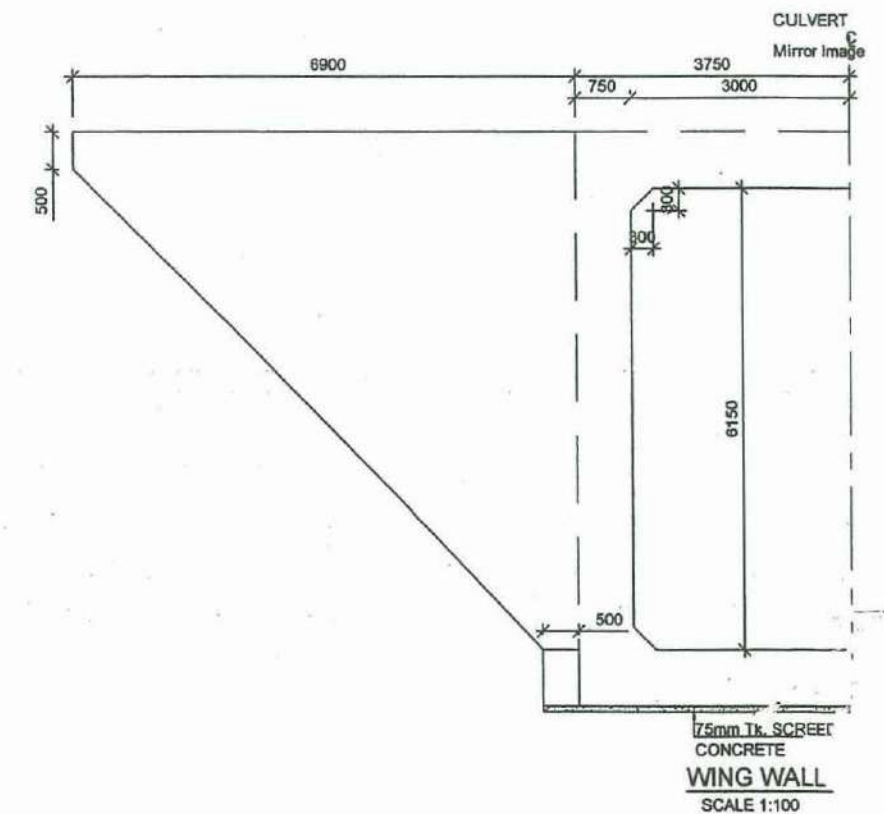
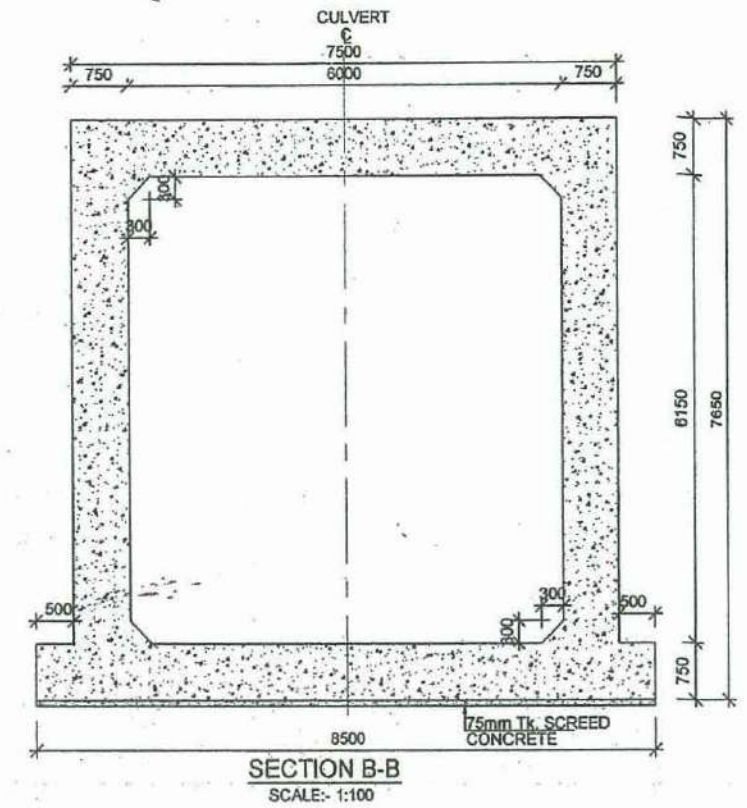
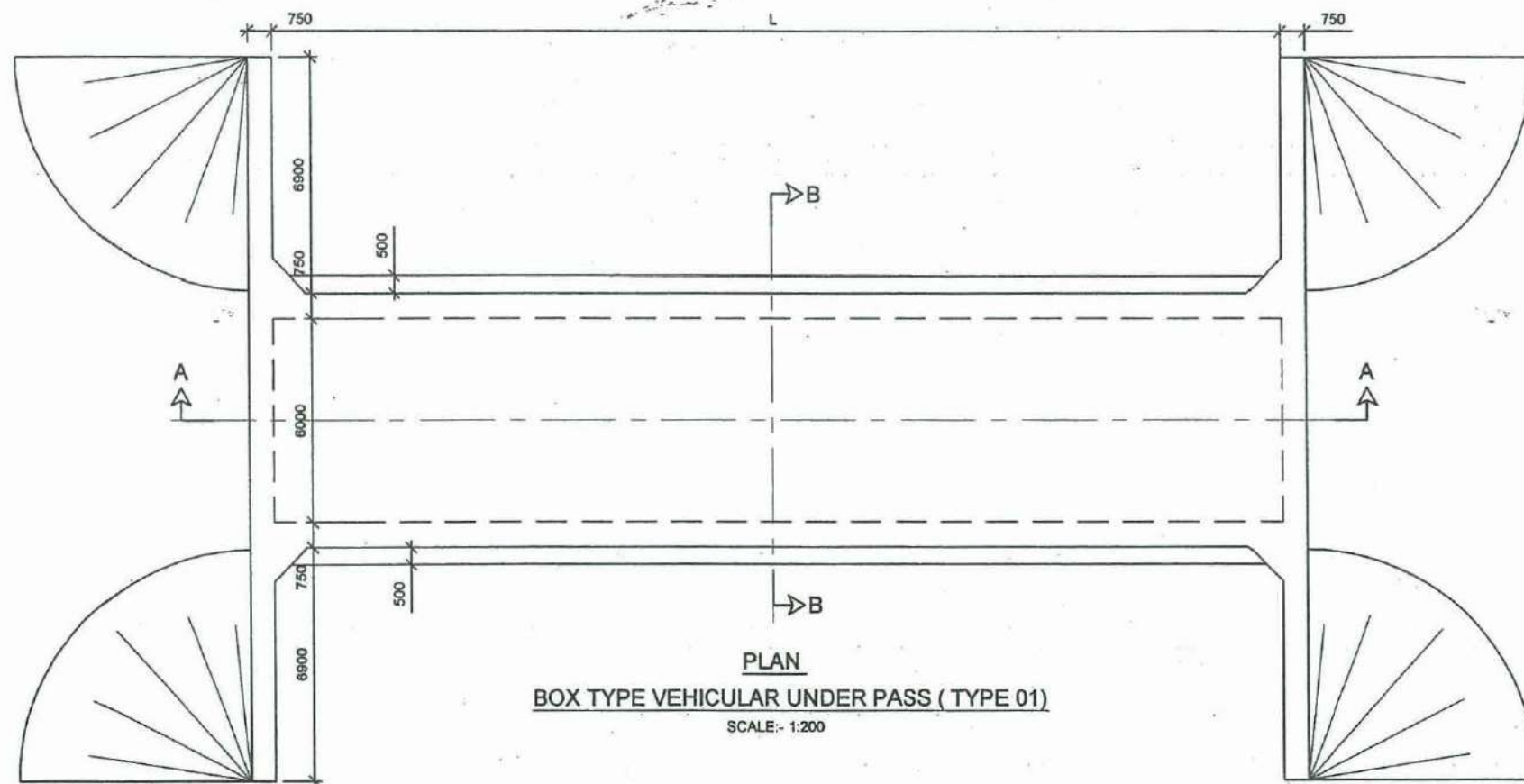
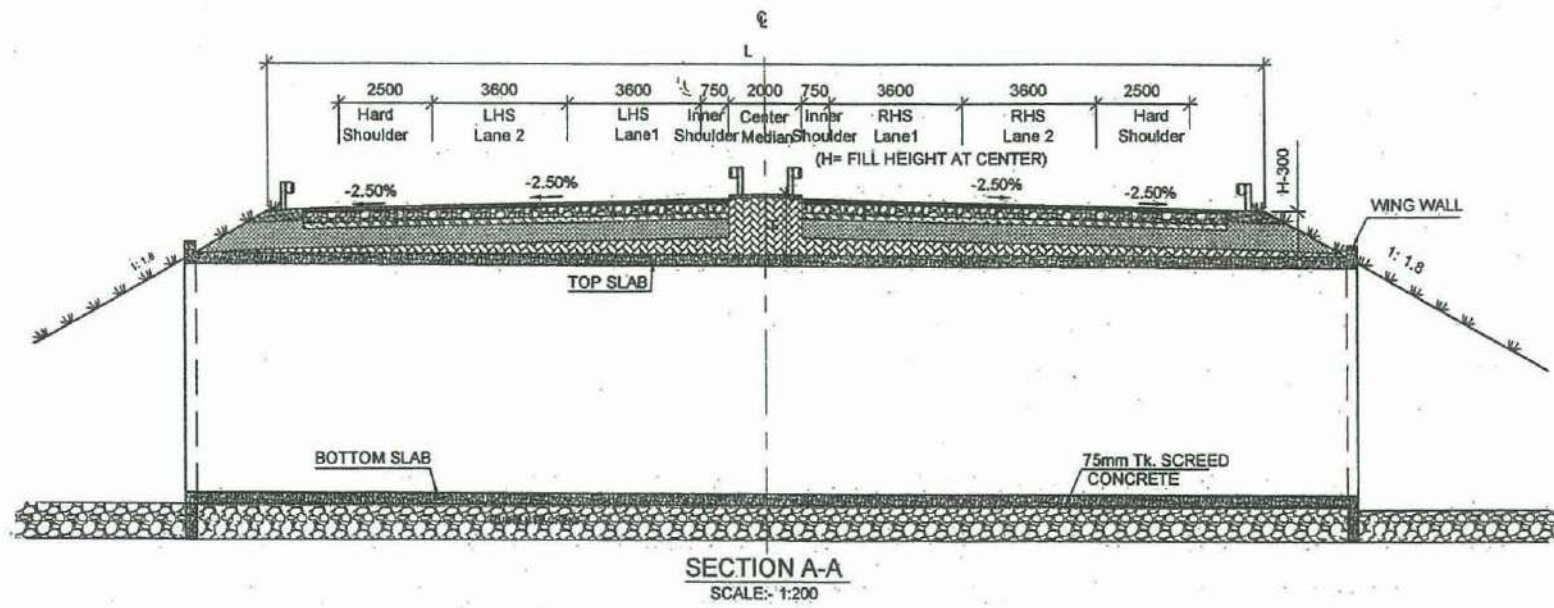
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ROAD DEVELOPMENT AUTHORITY  
S.W.R.D. BANDARANAIAKE MAWATHA, KANDY  
TEL : 0812234287 FAX : 0812234287 email : docp@rda.gov.lk

DATE:   
 *BW*

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DRG.No. : DD-FWD-SP-ESE-ST-EW-FS-S2-CO-011





NOTES:-  
1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA**  
**( SECTION -2 )**

**BOX TYPE VEHICULAR UNDER PASS - CLASS 'E' & CLASS 'D' ROAD ( SINGLE LANE )**

72



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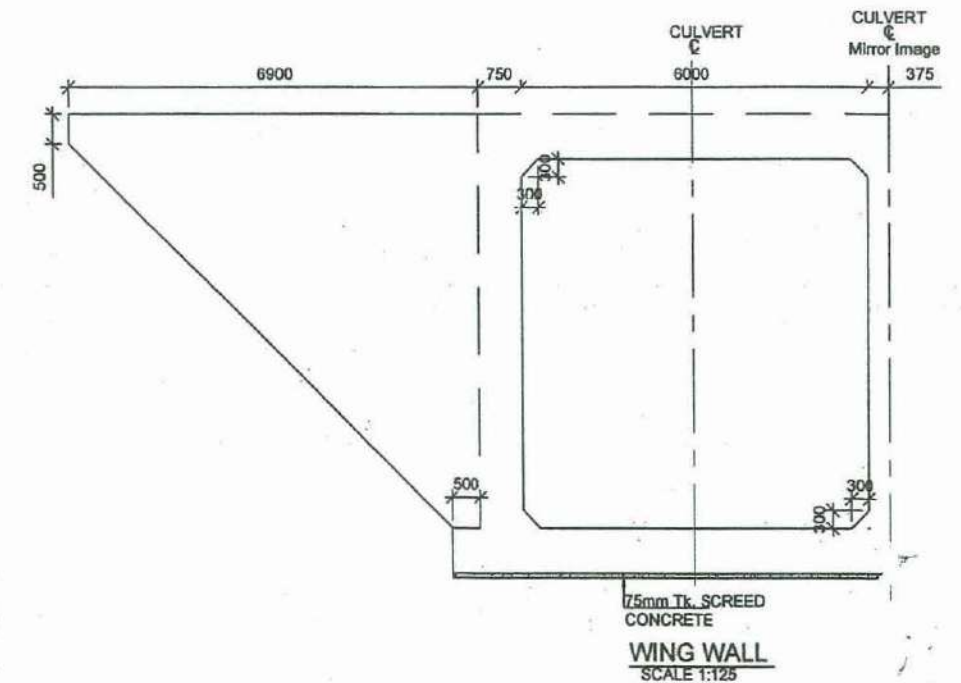
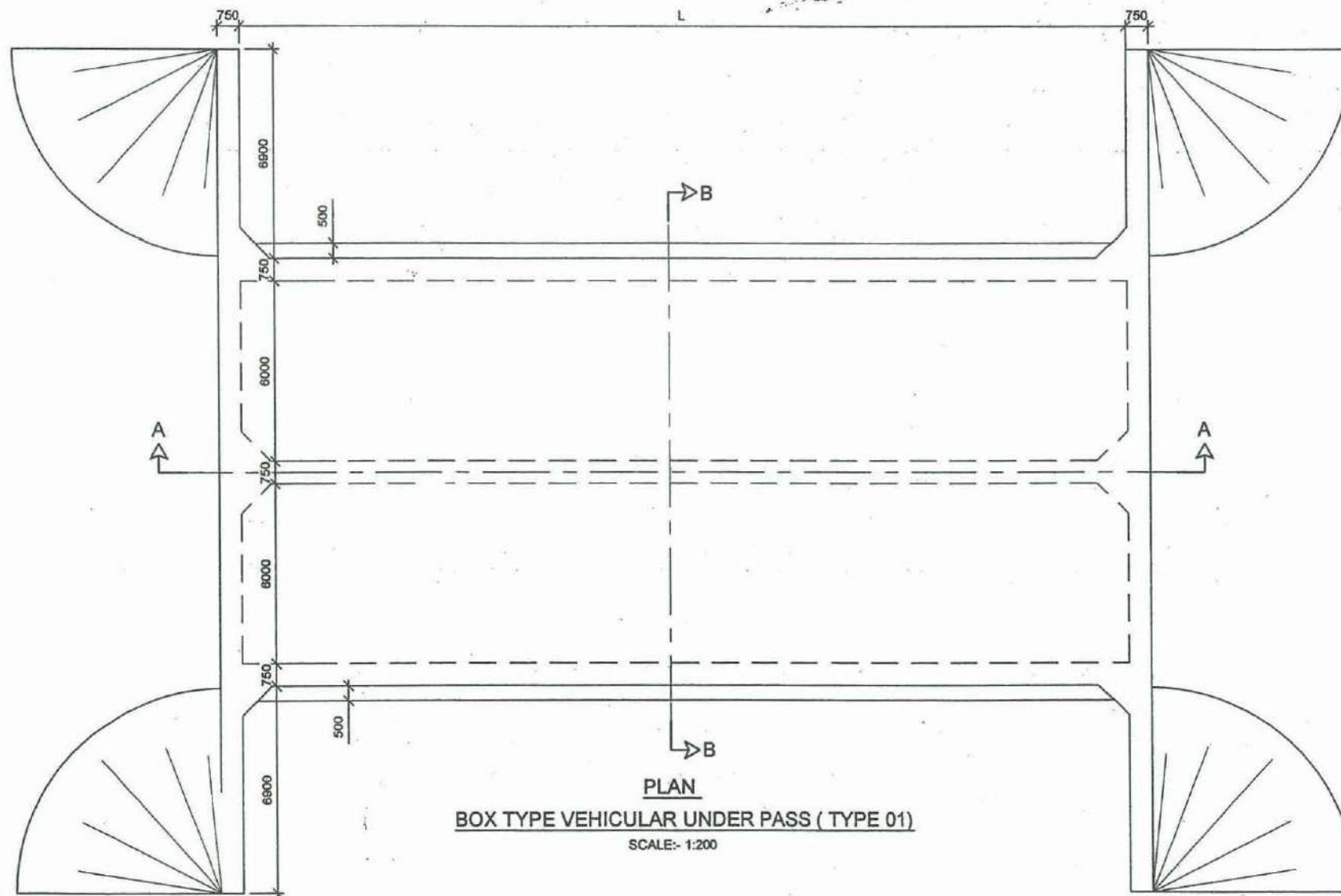
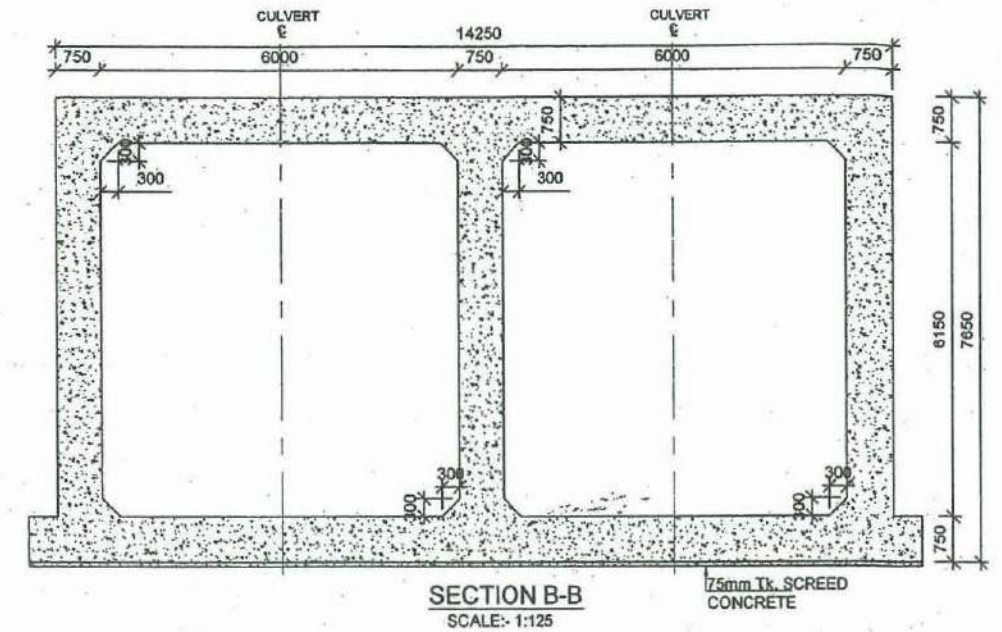
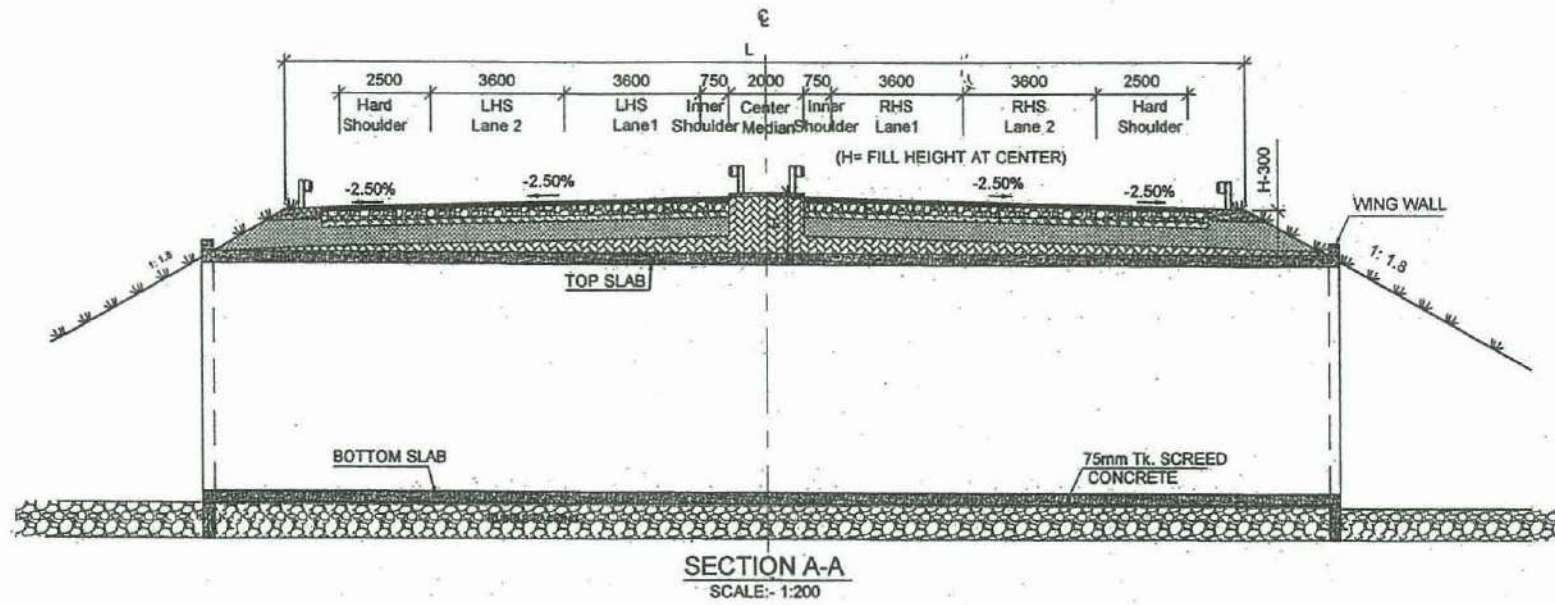
DESIGN OFFICE (C.P.),  
ROAD DEVELOPMENT AUTHORITY  
S.W.R.D. BANDARANAIKE MAWATHA, KANDY  
TEL : 0812234287 FAX : 0812234287 email : docp@rda.gov.lk

DATE :

Sheet 01 of 02

DRG.No. : DD-PWD-SP-E6E-ST-EW-FS-02-CO-012





NOTES:-  
1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA**  
( SECTION -2 )

BOX TYPE VEHICULAR UNDER PASS - CLASS 'B' & CLASS 'C' ROAD ( TWO LANE )

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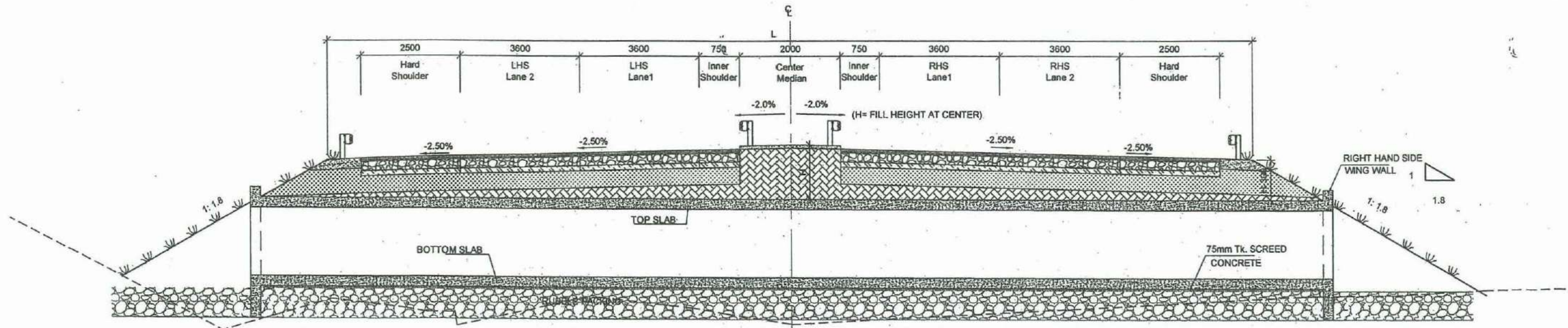
DESIGN OFFICE (C.P.),  
ROAD DEVELOPMENT AUTHORITY  
S.W.R.D. BANDARANAIKE MAWATHA, KANDY  
TEL : 0812234287 FAX : 0812234287 email : docp@rda.gov.lk

BW

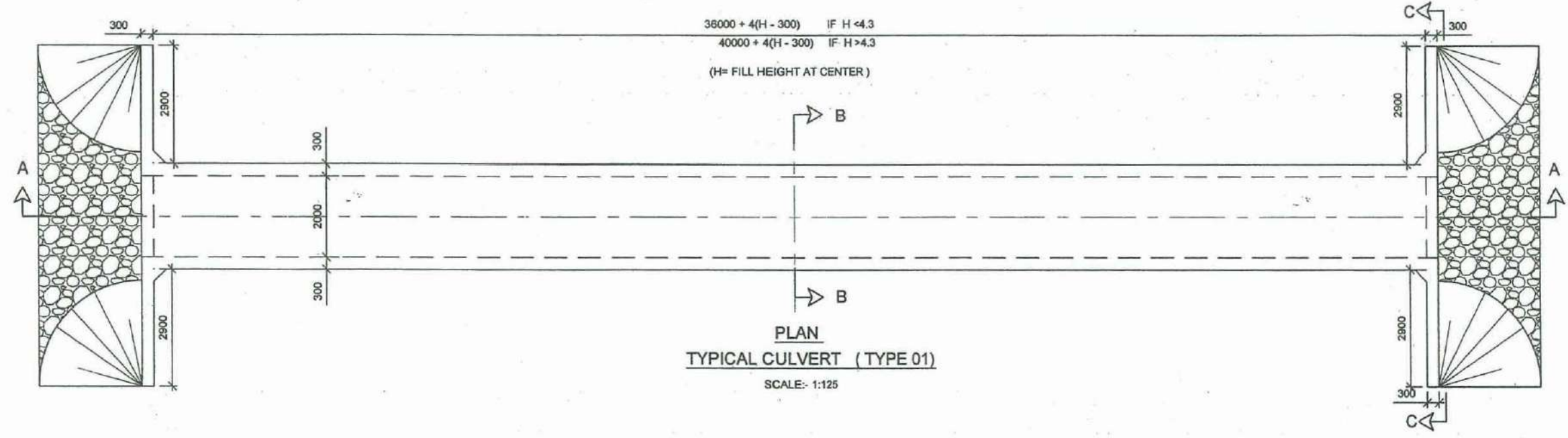
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DRG.No. : DO-PWD-SP-ESE-ST-EWF-FS-S2-CO-012

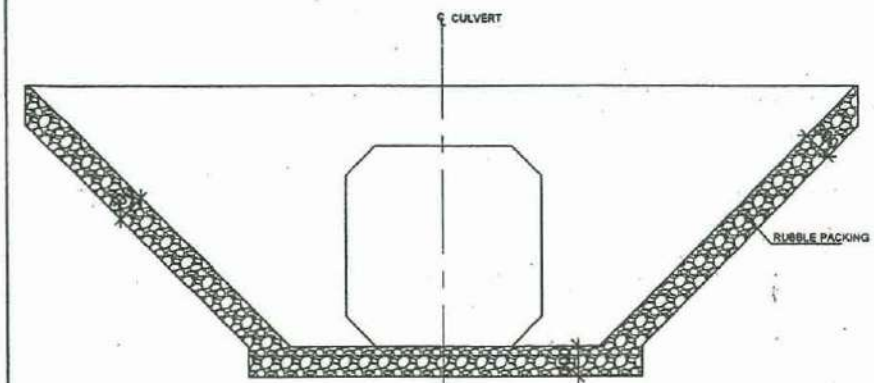




SECTION A-A  
SCALE:- 1:125



PLAN  
TYPICAL CULVERT (TYPE 01)  
SCALE:- 1:125



SECTION C-C  
SCALE:- 1:75

NOTES:-  
1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES

EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
(SECTION -2)

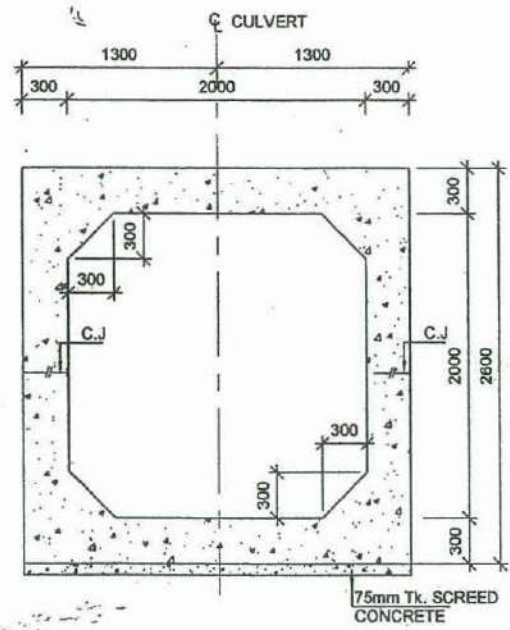
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74  
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MINISTRY OF PORTS & HIGHWAYS

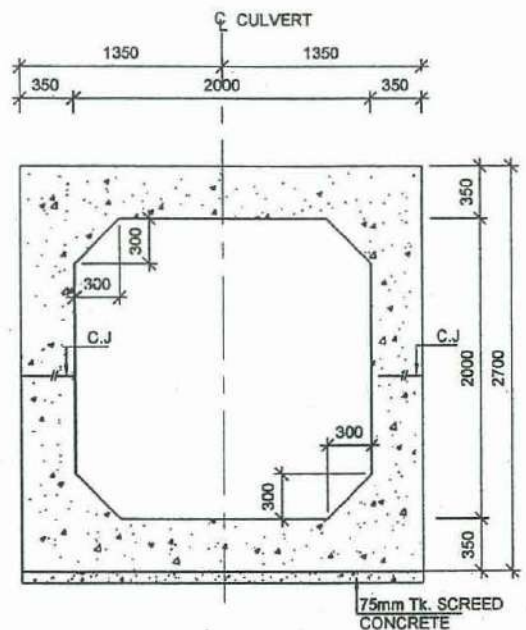
DESIGN OFFICE (C.P.),  
ROAD DEVELOPMENT AUTHORITY  
S.W.R.D. BANDARANAIKE MAWATHA, KANDY  
TEL : 0812234267 FAX : 0812234267 email : docp@rda.gov.lk

DATE :  
Sheet 01 of 08  
DRG.No. : dd-FWD-SP-ESE-ST-EW-FS-61-CO-013

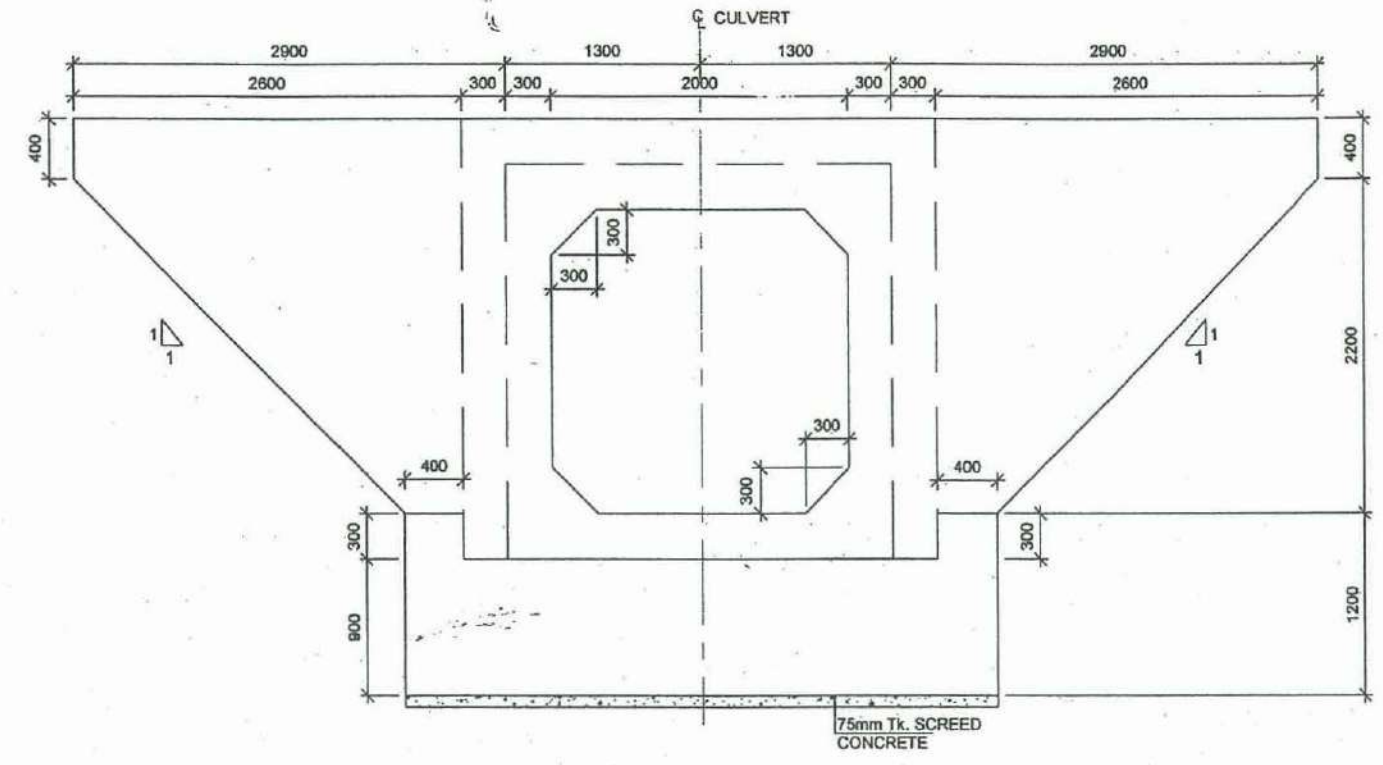




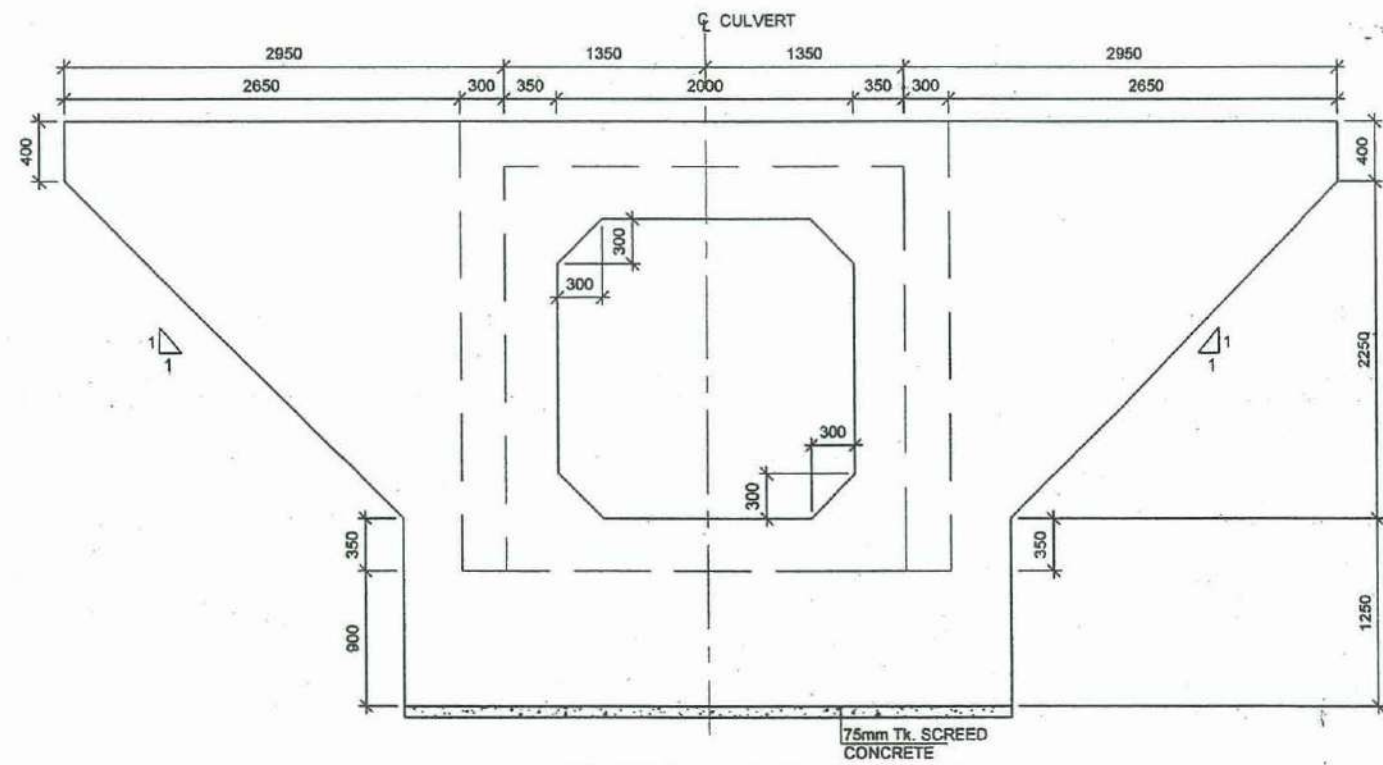
SECTION B-B (IF H < 4.0m)  
SCALE: 1:50



SECTION B-B (IF H > 4.0m)  
SCALE: 1:50



WING WALL (IF H < 4.0m)  
SCALE 1:50




WING WALL (IF H > 4.0m)  
SCALE 1:50

NOTES:-  
1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
(SECTION -2)**

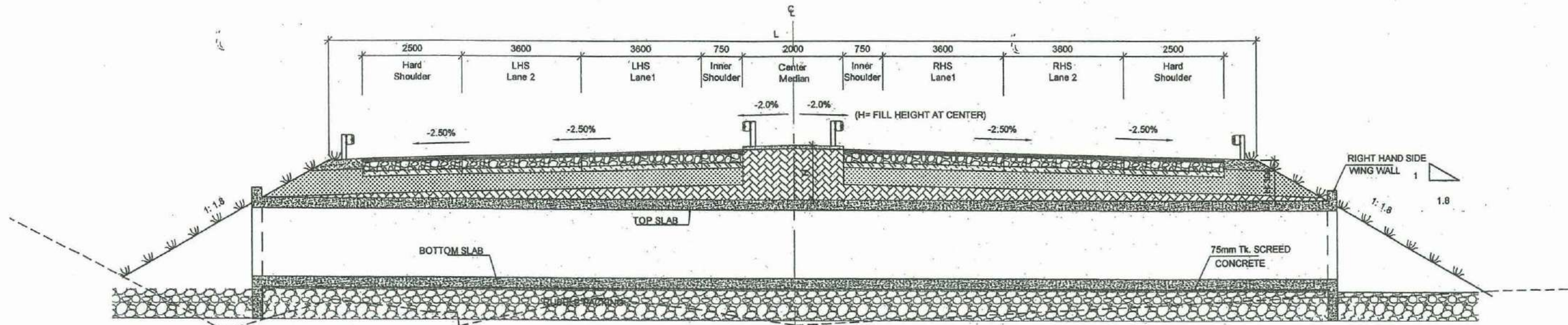
TYPICAL CULVERT TYPE 01-( 2.0m x2.0m SINGLE CELL)

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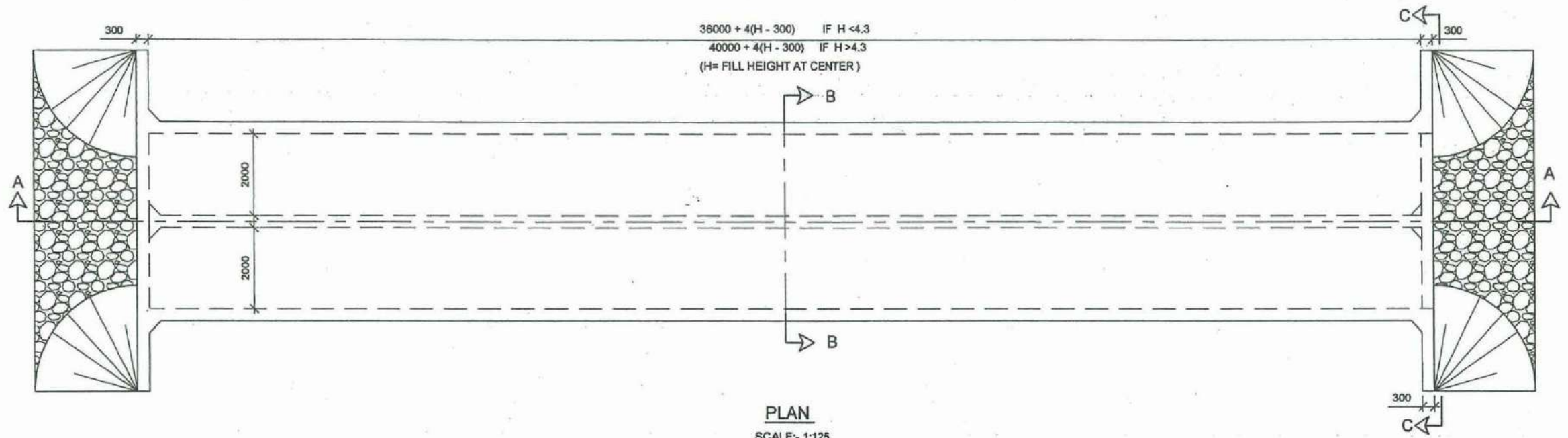
DESIGN OFFICE (C.P.),  
ROAD DEVELOPMENT AUTHORITY  
S.W.R.D. BANDARANAIKE MAWATHA, KANDY  
TEL : 0812234287 FAX : 0812234287 email : doop@rda.gov.lk

*BW*  
DATE: . . . . .  
DRG.No.: 00-FWD-SP-ESE-ST-EWFS-02-CO-013  
Sheet 02 of 08

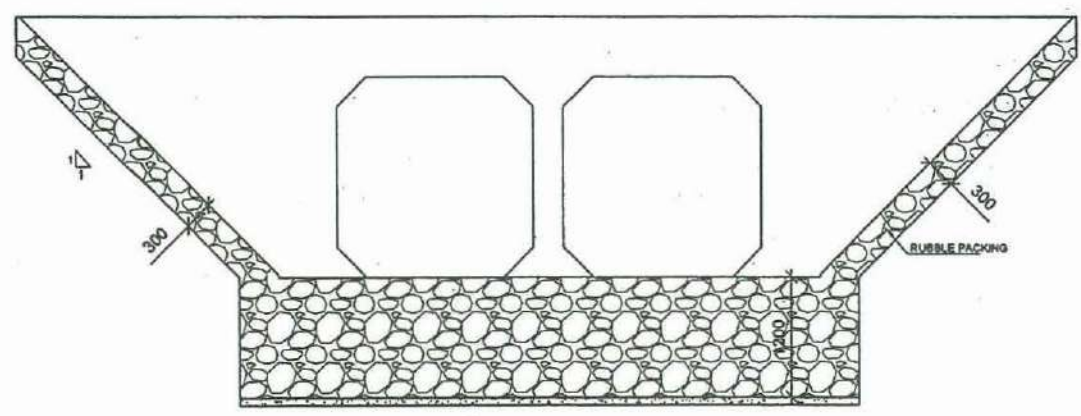




**SECTION A-A**  
SCALE:- 1:125



**PLAN**  
SCALE:- 1:125  
**TYPICAL CULVERT (TYPE 02)**



**SECTION C-C**  
SCALE:- 1:75

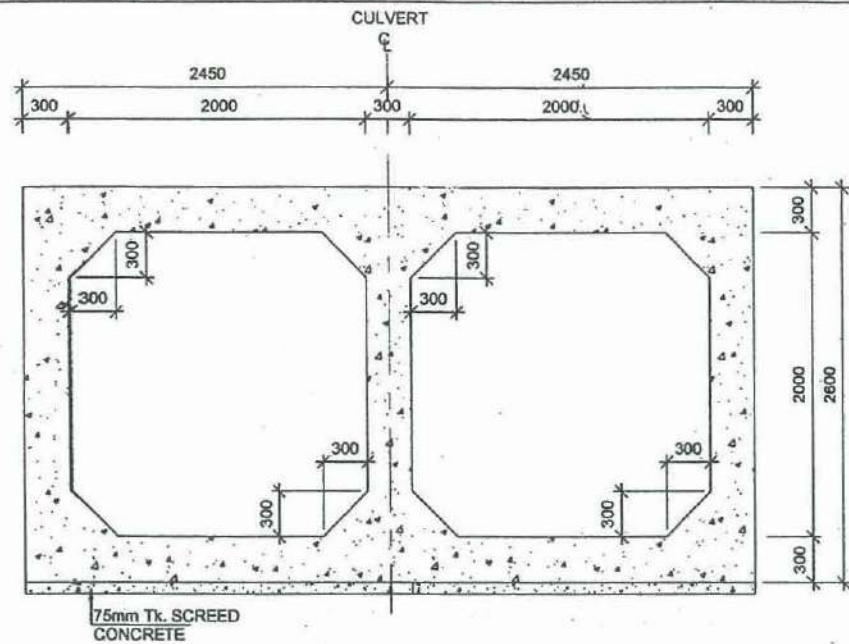
NOTES:-  
1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA**  
(SECTION -2)

TYPICAL CULVERT TYPE 02-( 2.0m x2.0m TWO CELL)

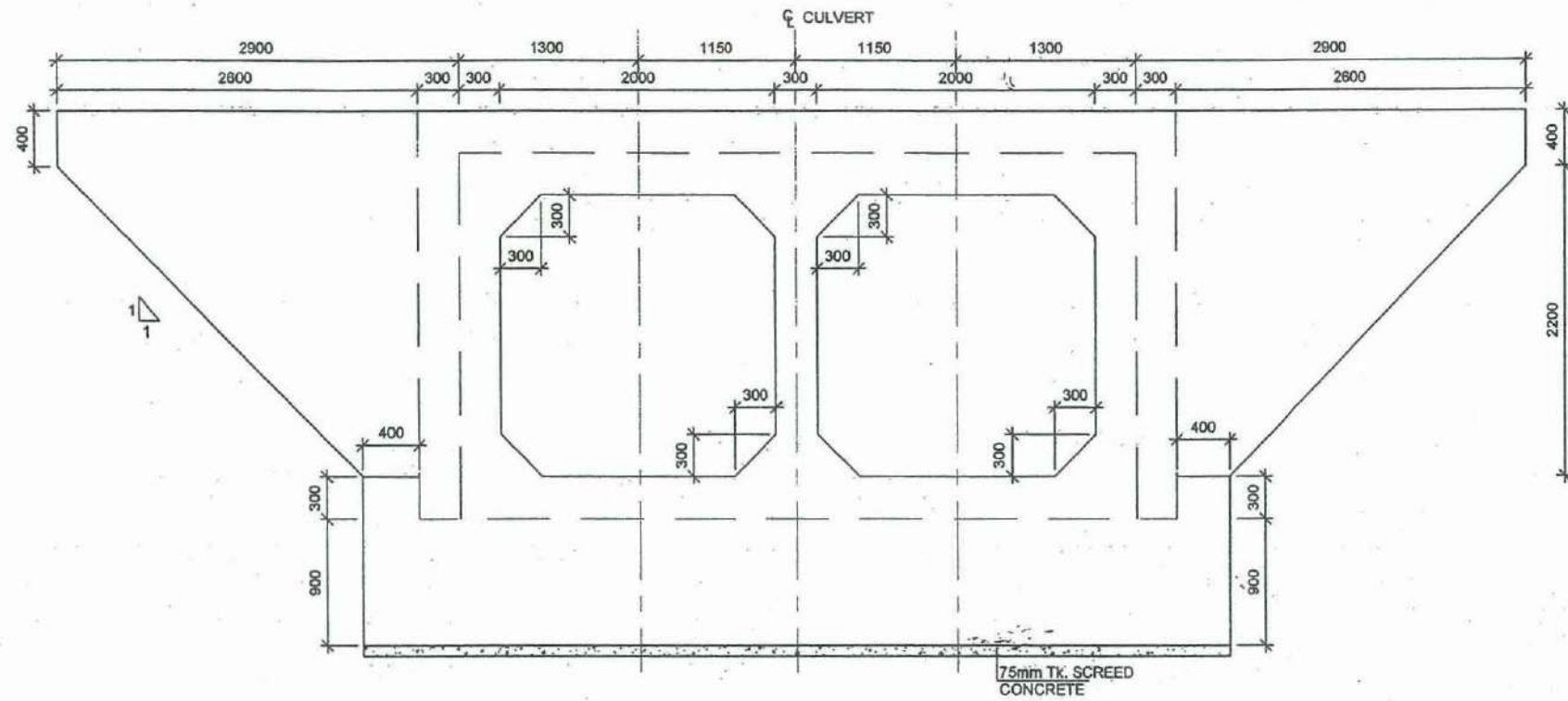
	DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF PORTS & HIGHWAYS	DATE: _____ Sheet 03 of 06
	DESIGN OFFICE (C.P.), ROAD DEVELOPMENT AUTHORITY S.W.R.D. BANDARANAIKE MAWATHA, KANDY TEL : 0812234267 FAX : 0812234267 email : docp@rdta.gov.lk	DRG.No. : DD-FWD-SP-ESE-ST-EW-FS-S2-CO-013





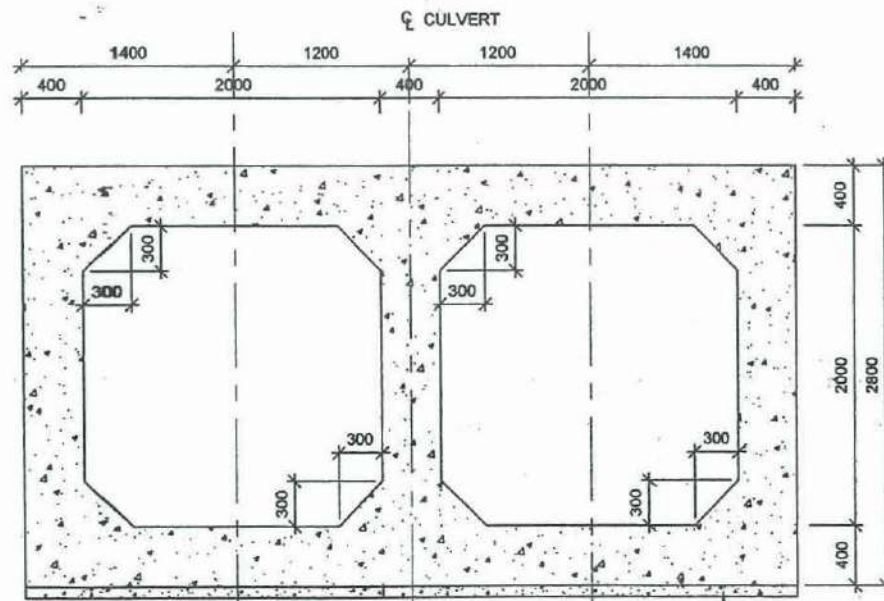
SECTION B-B (IF H < 4.0m)

SCALE:- 1:50



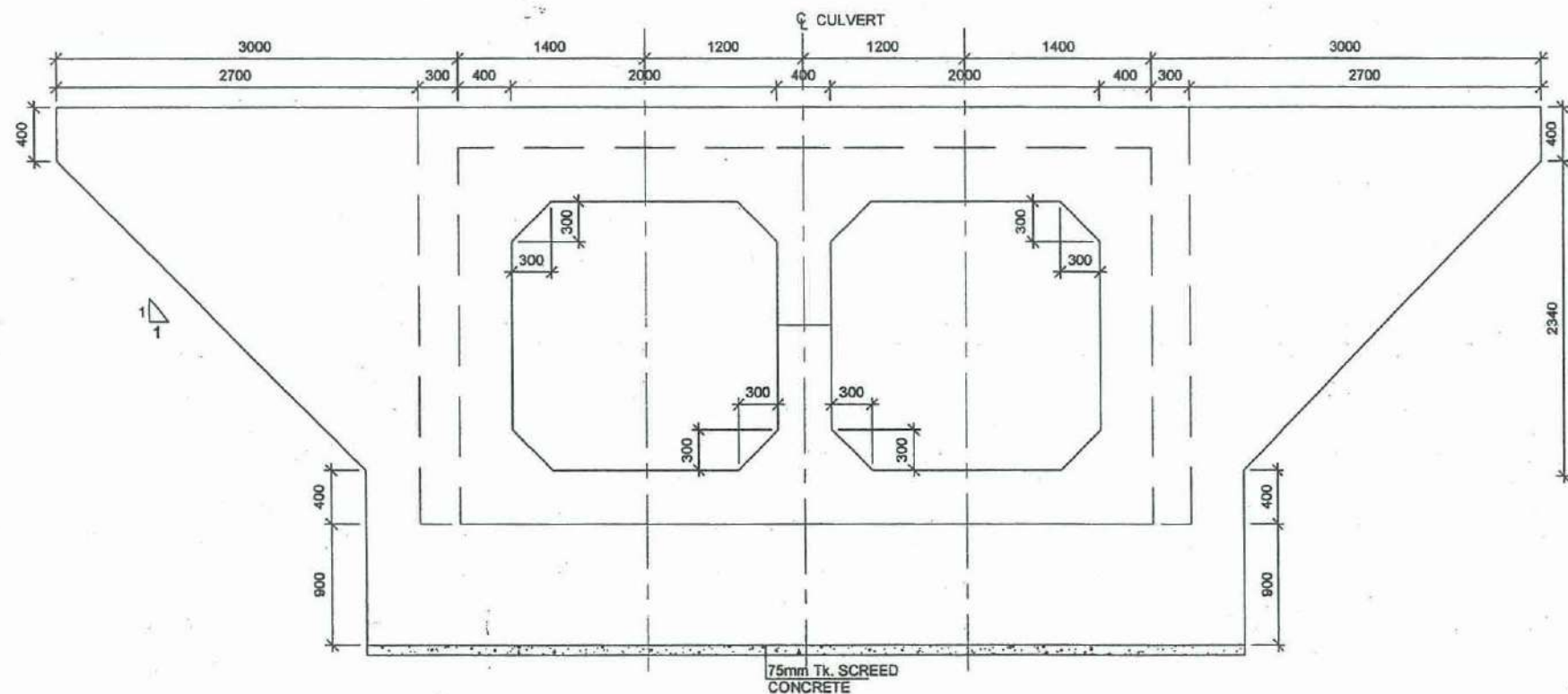
WING WALL (IF H < 4.0m)

SCALE 1:50



SECTION B-B (IF H > 4.0m)

SCALE:- 1:50



WING WALL (IF H > 4.0m)

SCALE 1:50

NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
(SECTION -2)**

TYPICAL CULVERT TYPE 02-( 2.0m x2.0m TWO CELL)

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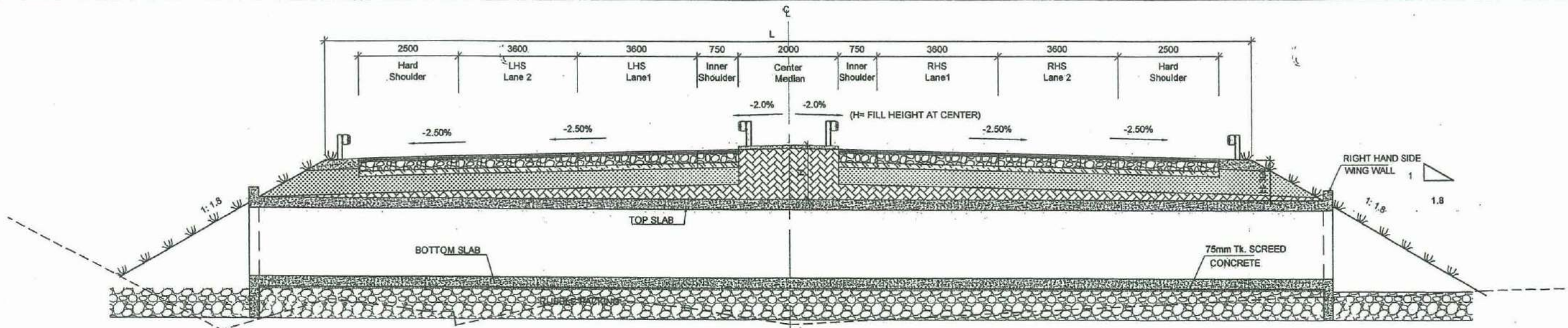
*Handwritten signature*

DATE :

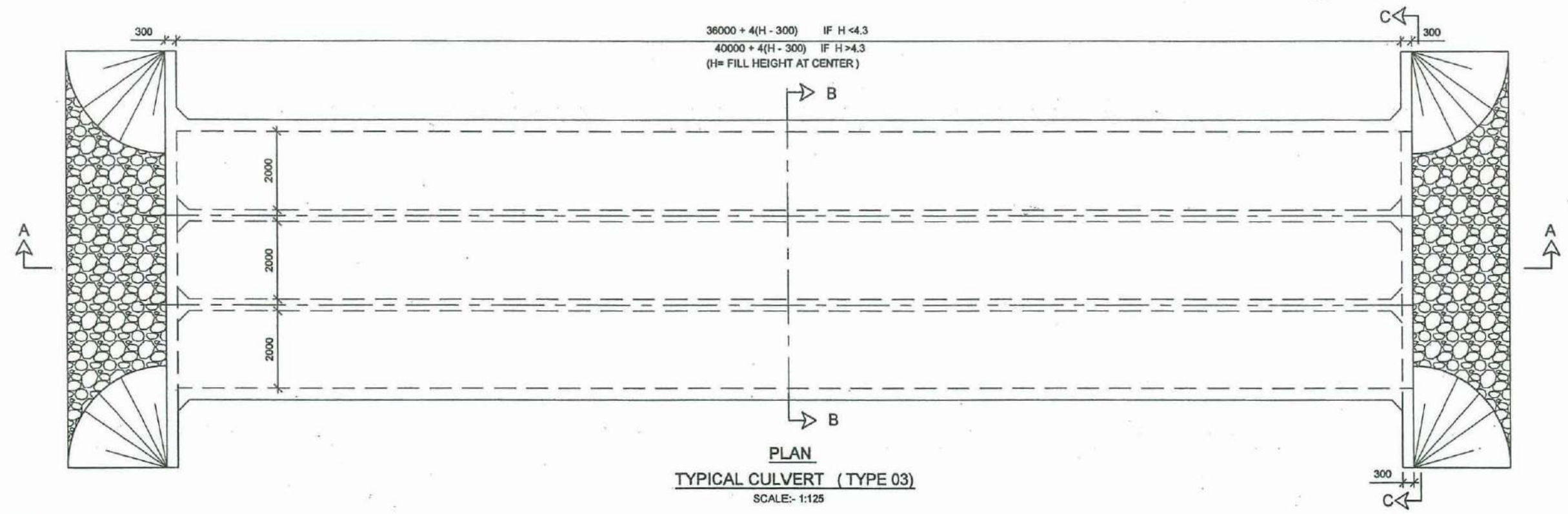
Sheet 04 of 08

DRG.No.: DD-PWD-SP-ESE-ST-EW-FS-S1-CO-013

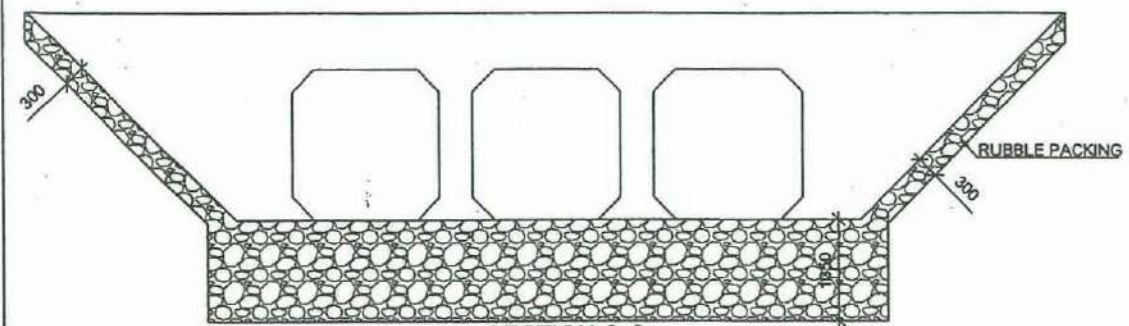




SECTION A-A  
SCALE:- 1:125



PLAN  
TYPICAL CULVERT (TYPE 03)  
SCALE:- 1:125



SECTION C-C  
SCALE:- 1:100

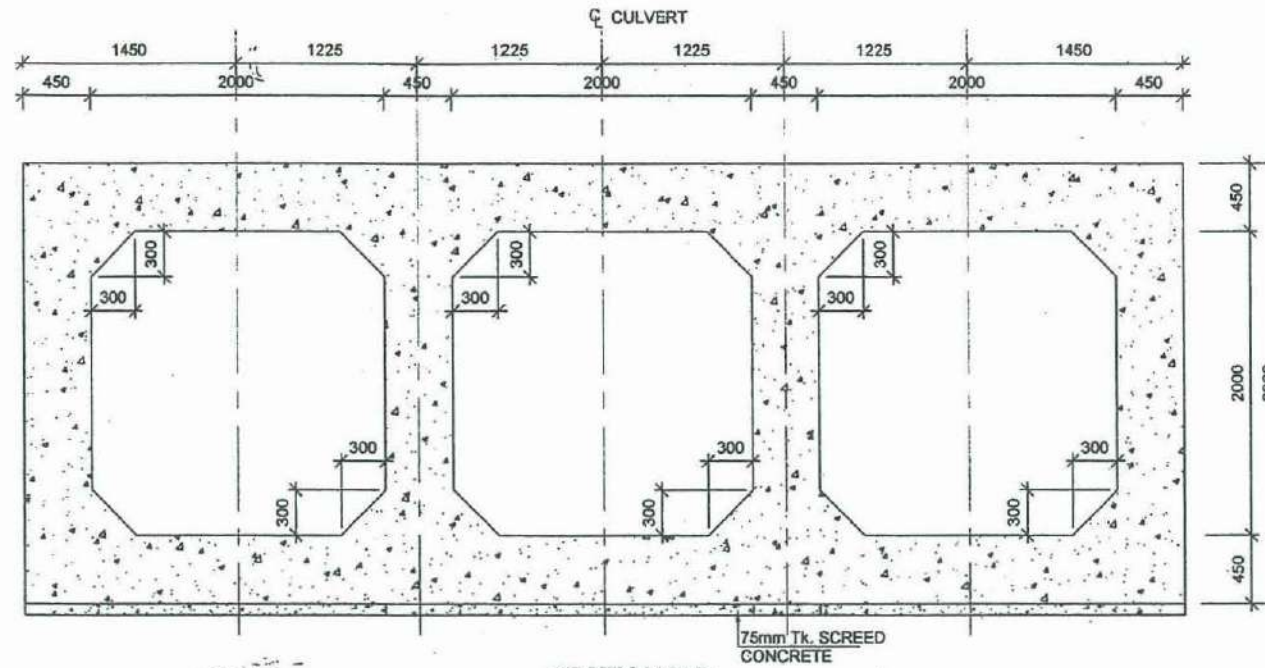
NOTES:-  
1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
(SECTION -2)**

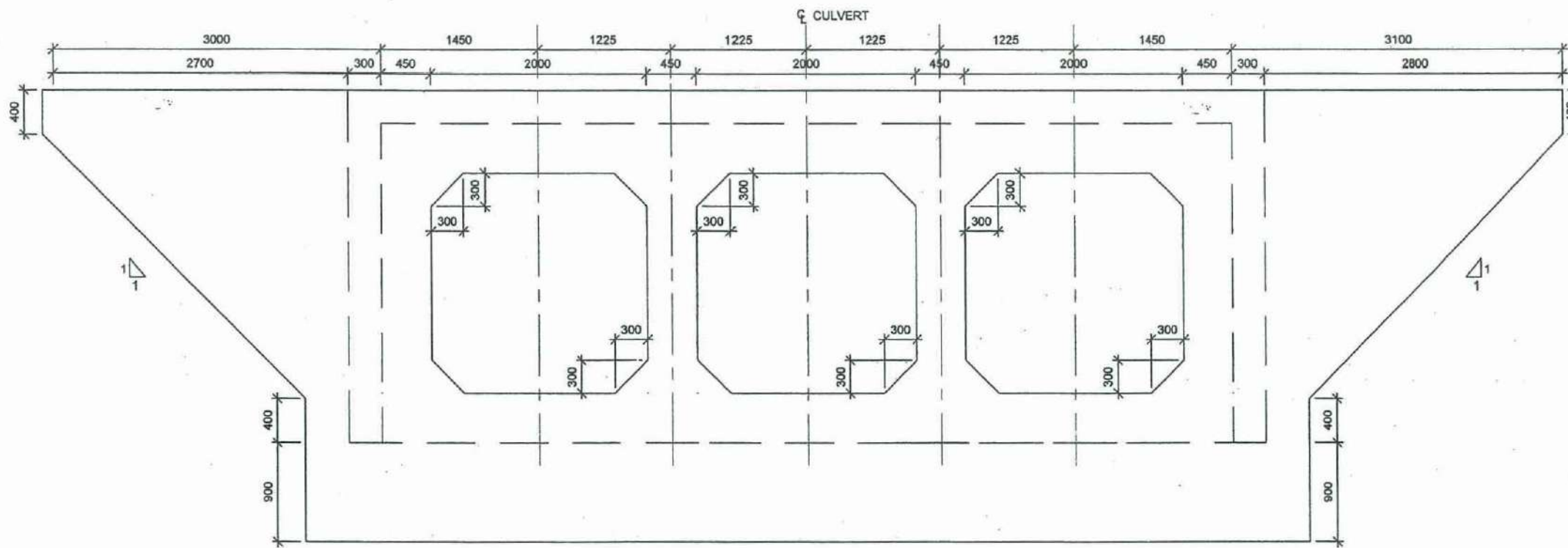
TYPICAL CULVERT TYPE 03-( 2.0m X2.0m THREE CELL)

78	DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF PORTS & HIGHWAYS	 DATE: _____ Sheet 05 of 09
	 DESIGN OFFICE (C.P.), ROAD DEVELOPMENT AUTHORITY S.W.R.D. BANDARANAIKE MAWATHA, KANDY TEL : 0812234287 FAX : 0812234287 email : docp@rda.gov.lk	





**SECTION B-B**  
SCALE: 1:50



**WING WALL**  
SCALE 1:50

NOTES:-  
1. ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA**  
( SECTION -2 )

TYPICAL CULVERT TYPE 03-( 2.0m X2.0m THREE CELL)

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MINISTRY OF PORTS & HIGHWAYS



DESIGN OFFICE (C.P.),  
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S.W.R.D. BANDARANAIKE MAWATHA, KANDY  
TEL : 0812234297 FAX : 0812234297 email : docp@rda.gov.lk

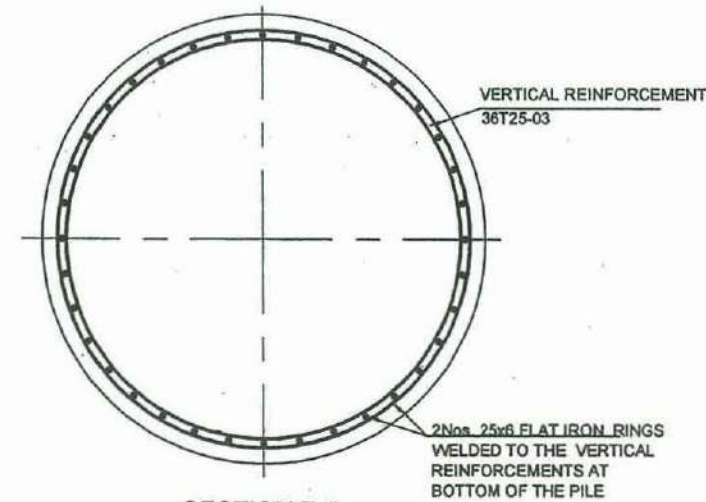
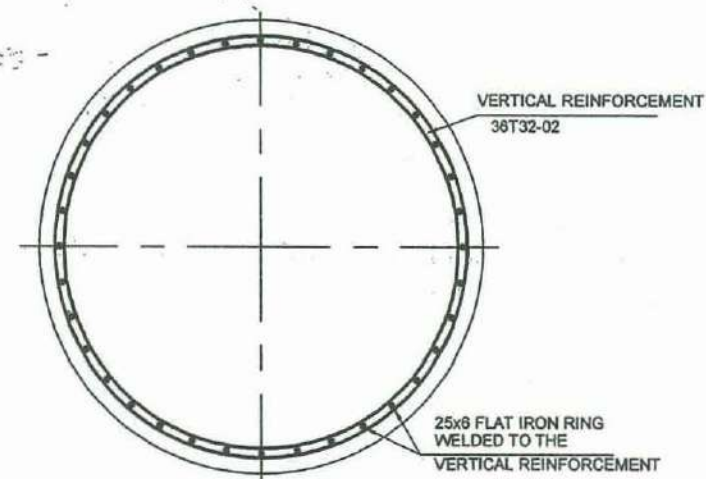
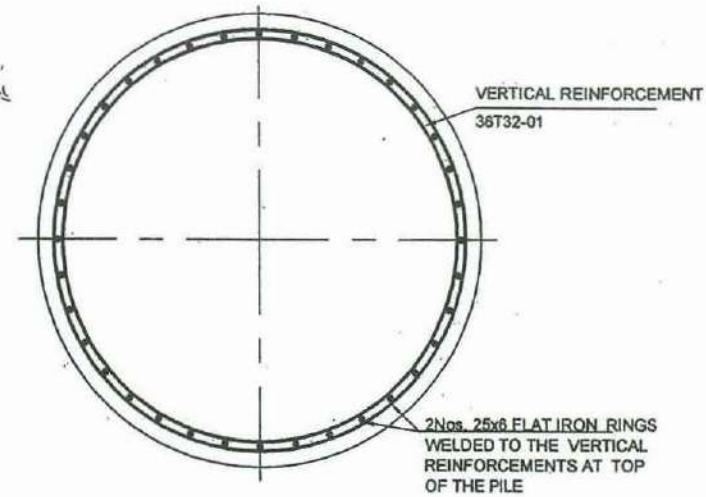
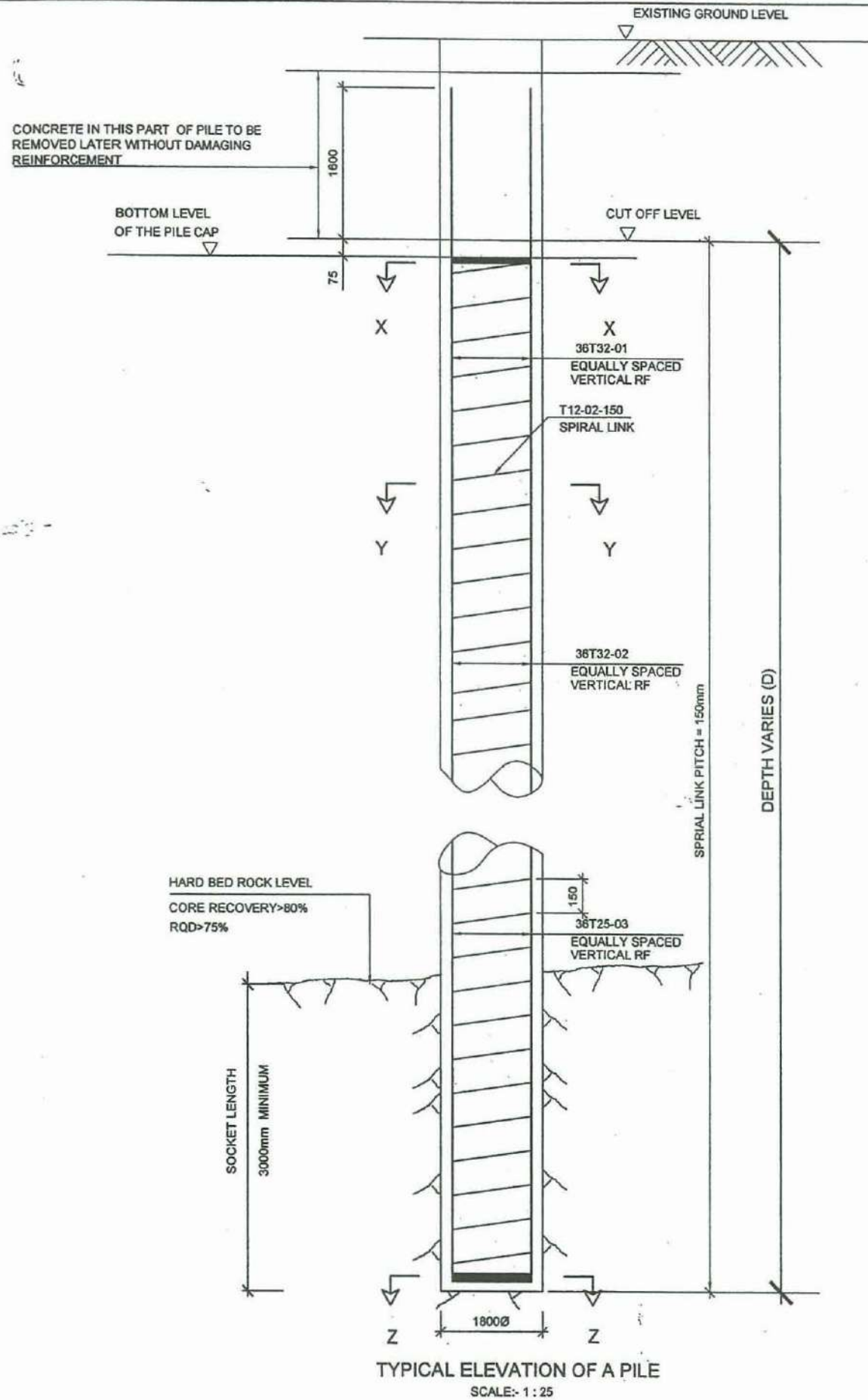
DATE:

*Handwritten signature and initials*

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DRG.No. : DD-PWD-SP-ESE-ST-EW-FS-S2-CO-013





**NOTES**

1. ALL DIMENSIONS ARE IN MILLIMETRES AND ALL ELEVATIONS ARE IN METRES ABOVE MEAN SEA LEVEL UNLESS OTHERWISE STATED.
2. STRUCTURAL CONCRETE SHALL BE OF GRADE 30 (20).
5. MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE 45 mm UNLESS OTHERWISE INDICATED.
6. CLEAR CONCRETE COVER FOR REINFORCEMENT SHOULD BE 50 mm UNLESS OTHERWISE SPECIFIED
7. BAR NOTATION  

5 T 20 - 02 - 175 BF	BAR LOCATION (BF -Both Face, NF-Near Face)
	BAR SPACING
	BAR MARK
	BAR DIAMETER
	BAR TYPE (T- HIGH YIELD STEEL OF CHARACTERISTIC STRENGTH OF 460N/sq.mm TO BS 4449)
	NUMBER OF BARS
8. LEVELS GIVEN IN THE DRAWING ARE AT PIER CENTER LINE

**EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
(SECTION -2)**

TYPICAL PILE DETAILS (1800mm Diameter)

80



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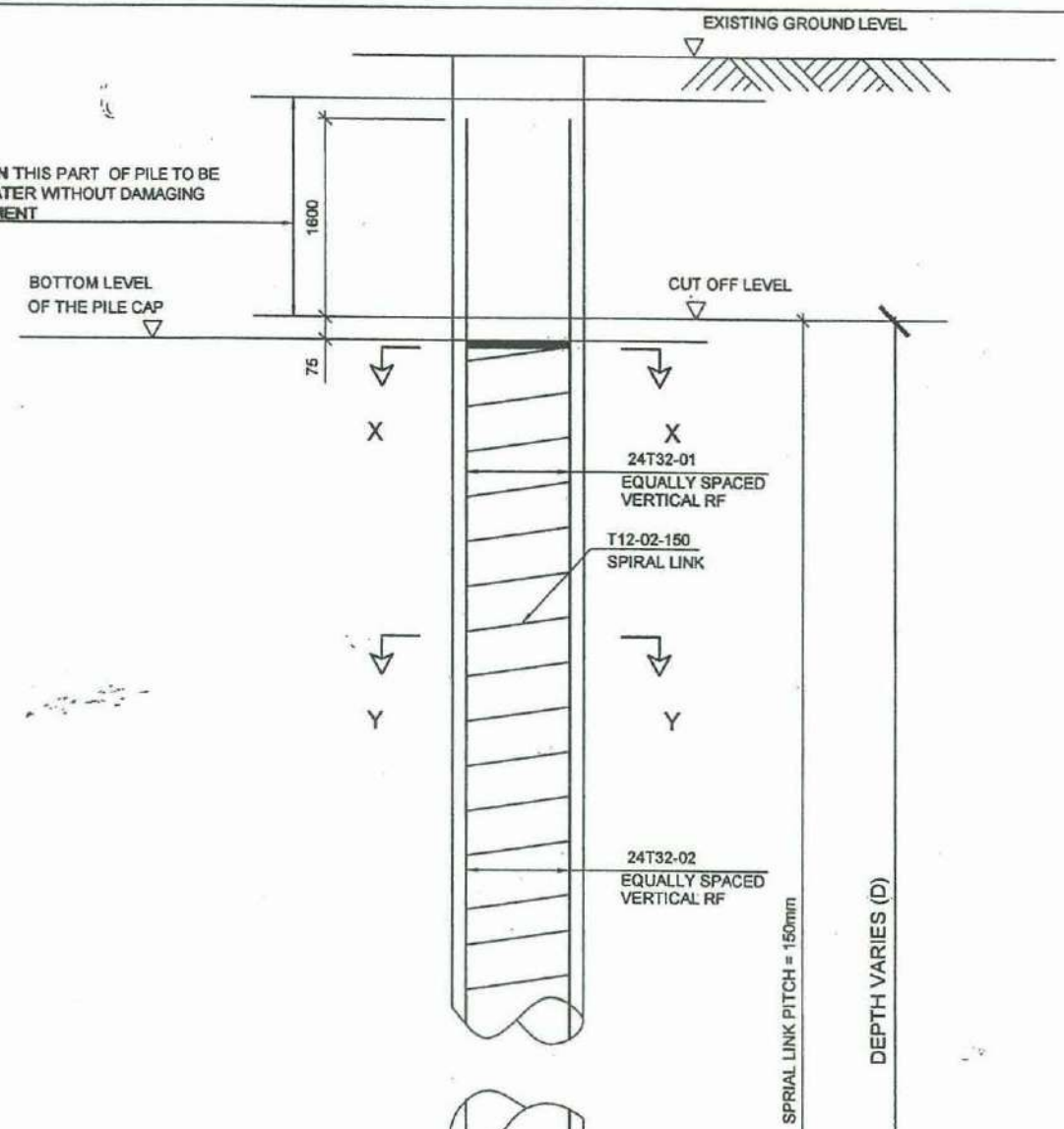
DESIGN OFFICE (C.P.),  
ROAD DEVELOPMENT AUTHORITY  
S.W.R.D. BANDARANAIKE MAWATHA, KANDY  
TEL : 0812234257 FAX : 0812234257 email : docp@rda.gov.lk

*BW*

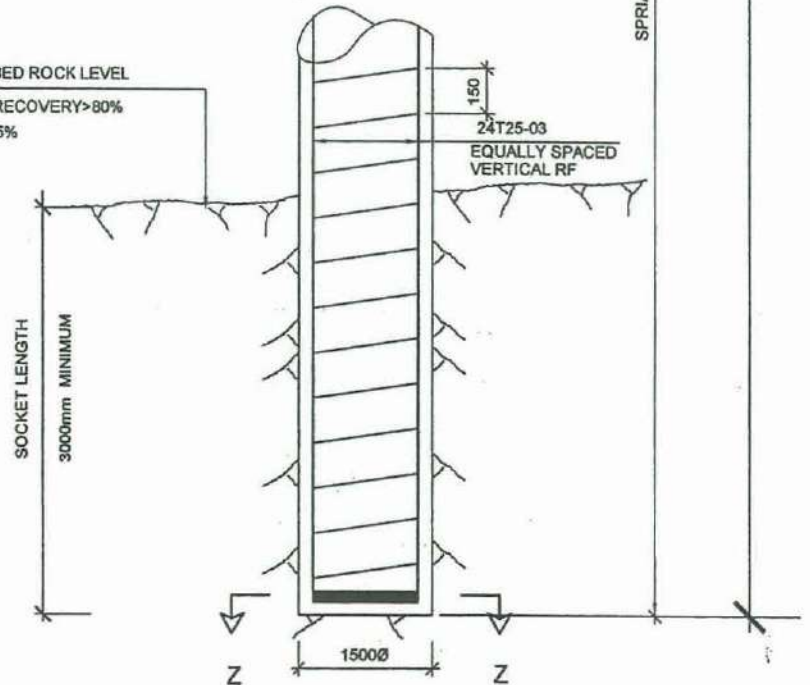
DATE : \_\_\_\_\_  
DRG.No. : DD-FWD-SP-ESE-ST-EW-FS-32-CO-014



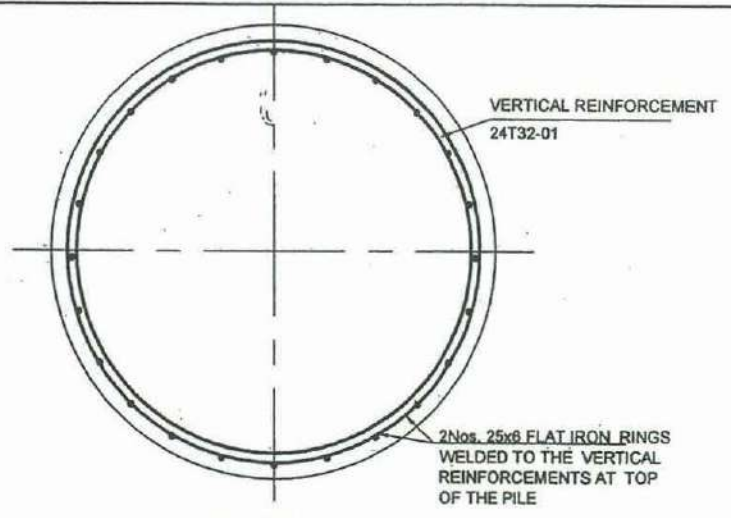
CONCRETE IN THIS PART OF PILE TO BE REMOVED LATER WITHOUT DAMAGING REINFORCEMENT



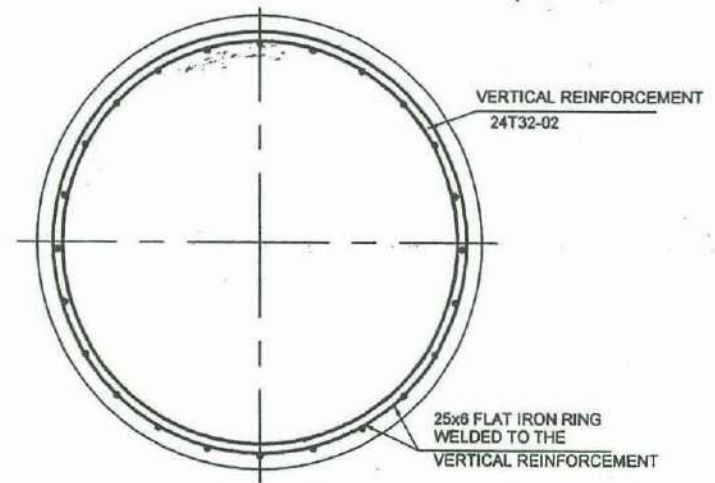
HARD BED ROCK LEVEL  
CORE RECOVERY > 80%  
RQD > 75%



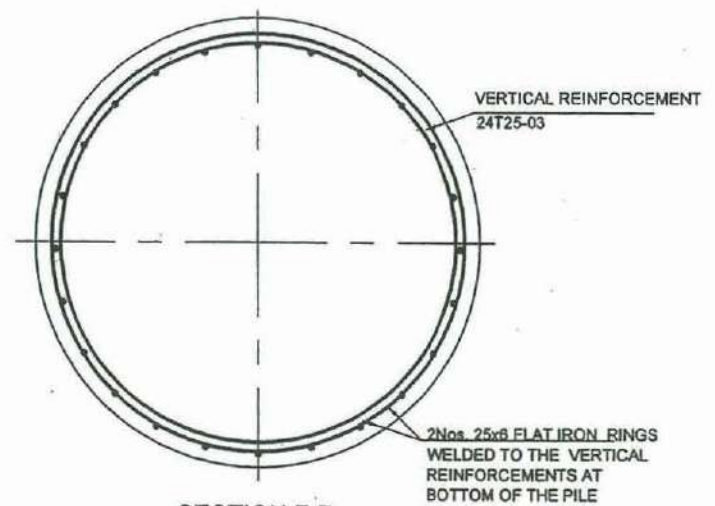
TYPICAL ELEVATION OF A PILE  
SCALE: 1:25



SECTION X-X  
SCALE: 1:25



SECTION Y-Y  
SCALE: 1:25



SECTION Z-Z  
SCALE: 1:25

NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES AND ALL ELEVATIONS ARE IN METRES ABOVE MEAN SEA LEVEL UNLESS OTHERWISE STATED.
- STRUCTURAL CONCRETE SHALL BE OF GRADE 30 (20).
- MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE 45 mm UNLESS OTHERWISE INDICATED.
- CLEAR CONCRETE COVER FOR REINFORCEMENT SHOULD BE 50mm UNLESS OTHERWISE SPECIFIED
- BAR NOTATION  
5 T 20 - 02 - 175 BF  

BAR LOCATION (BF -Both Face, NF-Near Face)
BAR SPACING
BAR MARK
BAR DIAMETER
BAR TYPE (T: HIGH YIELD STEEL OF CHARACTERISTIC STRENGTH OF 460N/sq.mm TO BS 4449)
NUMBER OF BARS
- LEVELS GIVEN IN THE DRAWING ARE AT PIER CENTER LINE

EXTENSION TO SOUTHERN EXPRESS WAY FROM BELIATTE TO WETIYA  
( SECTION -2 )

TYPICAL PILE DETAILS (1500mm Diameter)

81



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MINISTRY OF PORTS & HIGHWAYS



DESIGN OFFICE (C.P.),  
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*Signature*

DATE :

Sheet 82 of 82

DRG.No. : DD-FWD-SP-ESE-ST-EW-FS-S3-CO-014



# Coordinates

AS 2



**Extension of Southern Expressway Section 2 from Beliatta to  
Wetiya Centreline Co-ordinates**

Station	Northing	Easting
30+000.00	397,008.4435m	496,541.5681m
30+020.00	397,021.7699m	496,556.4809m
30+040.00	397,035.0966m	496,571.3940m
30+060.00	397,048.4232m	496,586.3071m
30+080.00	397,061.7499m	496,601.2202m
30+100.00	397,075.0766m	496,616.1333m
30+120.00	397,088.4032m	496,631.0464m
30+140.00	397,101.7299m	496,645.9595m
30+160.00	397,115.0565m	496,660.8725m
30+180.00	397,128.3832m	496,675.7856m
30+200.00	397,141.7099m	496,690.6987m
30+220.00	397,155.0365m	496,705.6118m
30+240.00	397,168.3632m	496,720.5249m
30+260.00	397,181.6899m	496,735.4380m
30+280.00	397,195.0165m	496,750.3511m
30+300.00	397,208.3432m	496,765.2641m
30+320.00	397,221.6698m	496,780.1772m
30+340.00	397,234.9965m	496,795.0903m
30+360.00	397,248.3232m	496,810.0034m
30+380.00	397,261.6498m	496,824.9165m
30+400.00	397,274.9765m	496,839.8296m
30+420.00	397,288.3031m	496,854.7426m
30+440.00	397,301.6298m	496,869.6557m
30+460.00	397,314.9565m	496,884.5688m
30+480.00	397,328.2831m	496,899.4819m
30+500.00	397,341.6098m	496,914.3950m
30+520.00	397,354.9364m	496,929.3081m
30+540.00	397,368.2631m	496,944.2212m
30+560.00	397,381.5898m	496,959.1342m
30+580.00	397,394.9164m	496,974.0473m
30+600.00	397,408.2431m	496,988.9604m
30+620.00	397,421.5698m	497,003.8735m
30+640.00	397,434.8964m	497,018.7866m
30+660.00	397,448.2231m	497,033.6997m
30+680.00	397,461.5497m	497,048.6128m
30+700.00	397,474.8764m	497,063.5258m
30+720.00	397,488.2031m	497,078.4389m
30+740.00	397,501.5297m	497,093.3520m
30+760.00	397,514.8564m	497,108.2651m
30+780.00	397,528.1830m	497,123.1782m
30+800.00	397,541.5097m	497,138.0913m
30+820.00	397,554.8364m	497,153.0043m

Station	Northing	Easting
30+840.00	397,568.1630m	497,167.9174m
30+860.00	397,581.4897m	497,182.8305m
30+880.00	397,594.8163m	497,197.7436m
30+900.00	397,608.1430m	497,212.6567m
30+920.00	397,621.4697m	497,227.5698m
30+940.00	397,634.7963m	497,242.4829m
30+960.00	397,648.1230m	497,257.3959m
30+980.00	397,661.4497m	497,272.3090m
31+000.00	397,674.7763m	497,287.2221m
31+020.00	397,688.1030m	497,302.1352m
31+040.00	397,701.4296m	497,317.0483m
31+060.00	397,714.7563m	497,331.9614m
31+080.00	397,728.0830m	497,346.8745m
31+100.00	397,741.4096m	497,361.7875m
31+120.00	397,754.7363m	497,376.7006m
31+140.00	397,768.0629m	497,391.6137m
31+160.00	397,781.3896m	497,406.5268m
31+180.00	397,794.7163m	497,421.4399m
31+200.00	397,808.0429m	497,436.3530m
31+220.00	397,821.3696m	497,451.2660m
31+240.00	397,834.6962m	497,466.1791m
31+260.00	397,848.0229m	497,481.0922m
31+280.00	397,861.3496m	497,496.0053m
31+300.00	397,874.6762m	497,510.9184m
31+320.00	397,887.9973m	497,525.8365m
31+340.00	397,901.2907m	497,540.7792m
31+360.00	397,914.5542m	497,555.7484m
31+380.00	397,927.7878m	497,570.7442m
31+400.00	397,940.9913m	497,585.7664m
31+420.00	397,954.1648m	497,600.8150m
31+440.00	397,967.3082m	497,615.8899m
31+460.00	397,980.4213m	497,630.9910m
31+480.00	397,993.5043m	497,646.1183m
31+500.00	398,006.5569m	497,661.2718m
31+520.00	398,019.5793m	497,676.4514m
31+540.00	398,032.5712m	497,691.6569m
31+560.00	398,045.5327m	497,706.8885m
31+580.00	398,058.4637m	497,722.1459m
31+600.00	398,071.3642m	497,737.4291m
31+620.00	398,084.2341m	497,752.7381m
31+640.00	398,097.0733m	497,768.0729m
31+660.00	398,109.8819m	497,783.4332m

Station	Northing	Easting
31+680.00	398,122.6597m	497,798.8192m
31+700.00	398,135.4067m	497,814.2307m
31+720.00	398,148.1228m	497,829.6676m
31+740.00	398,160.8081m	497,845.1300m
31+760.00	398,173.4624m	497,860.6177m
31+780.00	398,186.0857m	497,876.1306m
31+800.00	398,198.6779m	497,891.6688m
31+820.00	398,211.2391m	497,907.2321m
31+840.00	398,223.7691m	497,922.8206m
31+860.00	398,236.2679m	497,938.4340m
31+880.00	398,248.7354m	497,954.0724m
31+900.00	398,261.1717m	497,969.7358m
31+920.00	398,273.5766m	497,985.4239m
31+940.00	398,285.9501m	498,001.1369m
31+960.00	398,298.2921m	498,016.8745m
31+980.00	398,310.6026m	498,032.6368m
32+000.00	398,322.8816m	498,048.4237m
32+020.00	398,335.1290m	498,064.2352m
32+040.00	398,347.3448m	498,080.0711m
32+060.00	398,359.5288m	498,095.9314m
32+080.00	398,371.6811m	498,111.8160m
32+100.00	398,383.8016m	498,127.7249m
32+120.00	398,395.8972m	498,143.6528m
32+140.00	398,407.9908m	498,159.5821m
32+160.00	398,420.0844m	498,175.5115m
32+180.00	398,432.1780m	498,191.4408m
32+200.00	398,444.2717m	498,207.3702m
32+220.00	398,456.3653m	498,223.2995m
32+240.00	398,468.4589m	498,239.2289m
32+260.00	398,480.5526m	498,255.1582m
32+280.00	398,492.6462m	498,271.0876m
32+300.00	398,504.7398m	498,287.0169m
32+320.00	398,516.8335m	498,302.9463m
32+340.00	398,528.9271m	498,318.8756m
32+360.00	398,541.0207m	498,334.8049m
32+380.00	398,553.1144m	498,350.7343m
32+400.00	398,565.2080m	498,366.6636m
32+420.00	398,577.3016m	498,382.5930m
32+440.00	398,589.3953m	498,398.5223m
32+460.00	398,601.4889m	498,414.4517m
32+480.00	398,613.5825m	498,430.3810m
32+500.00	398,625.6762m	498,446.3104m

Station	Northing	Easting
32+520.00	398,637.7698m	498,462.2397m
32+540.00	398,649.8634m	498,478.1691m
32+560.00	398,661.9571m	498,494.0984m
32+580.00	398,674.0507m	498,510.0278m
32+600.00	398,686.1443m	498,525.9571m
32+620.00	398,698.2380m	498,541.8864m
32+640.00	398,710.3316m	498,557.8158m
32+660.00	398,722.4252m	498,573.7451m
32+680.00	398,734.5188m	498,589.6745m
32+700.00	398,746.6125m	498,605.6038m
32+720.00	398,758.7061m	498,621.5332m
32+740.00	398,770.7997m	498,637.4625m
32+760.00	398,782.8934m	498,653.3919m
32+780.00	398,794.9870m	498,669.3212m
32+800.00	398,807.0806m	498,685.2506m
32+820.00	398,819.1743m	498,701.1799m
32+840.00	398,831.2679m	498,717.1093m
32+860.00	398,843.3615m	498,733.0386m
32+880.00	398,855.4552m	498,748.9679m
32+900.00	398,867.5488m	498,764.8973m
32+920.00	398,879.6424m	498,780.8266m
32+940.00	398,891.7361m	498,796.7560m
32+960.00	398,903.8297m	498,812.6853m
32+980.00	398,915.9233m	498,828.6147m
33+000.00	398,928.0170m	498,844.5440m
33+020.00	398,940.1106m	498,860.4734m
33+040.00	398,952.2042m	498,876.4027m
33+060.00	398,964.2979m	498,892.3321m
33+080.00	398,976.3915m	498,908.2614m
33+100.00	398,988.4851m	498,924.1908m
33+120.00	399,000.5788m	498,940.1201m
33+140.00	399,012.6724m	498,956.0494m
33+160.00	399,024.7660m	498,971.9788m
33+180.00	399,036.8596m	498,987.9081m
33+200.00	399,048.9533m	499,003.8375m
33+220.00	399,061.0469m	499,019.7668m
33+240.00	399,073.1405m	499,035.6962m
33+260.00	399,085.2342m	499,051.6255m
33+280.00	399,097.3278m	499,067.5549m
33+300.00	399,109.4214m	499,083.4842m
33+320.00	399,121.5151m	499,099.4136m
33+340.00	399,133.6087m	499,115.3429m

BW  
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**Extension of Southern Expressway Section 2 from Beliatta to  
Wetiya Centreline Co-ordinates**

Station	Northing	Easting
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33+360.00	399,145.7023m	499,131.2722m
33+380.00	399,157.7960m	499,147.2016m
33+400.00	399,169.8896m	499,163.1309m
33+420.00	399,181.9832m	499,179.0603m
33+440.00	399,194.0769m	499,194.9896m
33+460.00	399,206.1705m	499,210.9190m
33+480.00	399,218.2641m	499,226.8483m
33+500.00	399,230.3578m	499,242.7777m
33+520.00	399,242.4514m	499,258.7070m
33+540.00	399,254.5450m	499,274.6364m
33+560.00	399,266.6387m	499,290.5657m
33+580.00	399,278.7323m	499,306.4951m
33+600.00	399,290.8259m	499,322.4244m
33+620.00	399,302.9196m	499,338.3537m
33+640.00	399,315.0132m	499,354.2831m
33+660.00	399,327.1068m	499,370.2124m
33+680.00	399,339.2005m	499,386.1418m
33+700.00	399,351.2941m	499,402.0711m
33+720.00	399,363.3877m	499,418.0005m
33+740.00	399,375.4813m	499,433.9298m
33+760.00	399,387.5750m	499,449.8592m
33+780.00	399,399.6686m	499,465.7885m
33+800.00	399,411.7622m	499,481.7179m
33+820.00	399,423.8559m	499,497.6472m
33+840.00	399,435.9495m	499,513.5766m
33+860.00	399,448.0431m	499,529.5059m
33+880.00	399,460.1368m	499,545.4352m
33+900.00	399,472.2304m	499,561.3646m
33+920.00	399,484.3240m	499,577.2939m
33+940.00	399,496.4177m	499,593.2233m
33+960.00	399,508.5113m	499,609.1526m
33+980.00	399,520.6049m	499,625.0820m
34+000.00	399,532.6986m	499,641.0113m
34+020.00	399,544.7922m	499,656.9407m
34+040.00	399,556.8858m	499,672.8700m
34+060.00	399,568.9795m	499,688.7994m
34+080.00	399,581.0731m	499,704.7287m
34+100.00	399,593.1667m	499,720.6581m
34+120.00	399,605.2604m	499,736.5874m
34+140.00	399,617.3540m	499,752.5167m
34+160.00	399,629.4476m	499,768.4461m
34+180.00	399,641.5413m	499,784.3754m

Station	Northing	Easting
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34+200.00	399,653.6349m	499,800.3048m
34+220.00	399,665.7285m	499,816.2341m
34+240.00	399,677.8221m	499,832.1635m
34+260.00	399,689.9158m	499,848.0928m
34+280.00	399,702.0094m	499,864.0222m
34+300.00	399,714.1030m	499,879.9515m
34+320.00	399,726.1967m	499,895.8809m
34+340.00	399,738.2903m	499,911.8102m
34+360.00	399,750.3839m	499,927.7395m
34+380.00	399,762.4776m	499,943.6689m
34+400.00	399,774.5712m	499,959.5982m
34+420.00	399,786.6648m	499,975.5276m
34+440.00	399,798.7585m	499,991.4569m
34+460.00	399,810.8521m	500,007.3863m
34+480.00	399,822.9457m	500,023.3156m
34+500.00	399,835.0394m	500,039.2450m
34+520.00	399,847.1330m	500,055.1743m
34+540.00	399,859.2266m	500,071.1037m
34+560.00	399,871.3203m	500,087.0330m
34+580.00	399,883.4139m	500,102.9624m
34+600.00	399,895.5075m	500,118.8917m
34+620.00	399,907.6012m	500,134.8210m
34+640.00	399,919.6948m	500,150.7504m
34+660.00	399,931.7884m	500,166.6797m
34+680.00	399,943.8821m	500,182.6091m
34+700.00	399,955.9757m	500,198.5384m
34+720.00	399,968.0693m	500,214.4678m
34+740.00	399,980.1629m	500,230.3971m
34+760.00	399,992.2566m	500,246.3265m
34+780.00	400,004.3502m	500,262.2558m
34+800.00	400,016.4438m	500,278.1852m
34+820.00	400,028.5375m	500,294.1145m
34+840.00	400,040.6311m	500,310.0439m
34+860.00	400,052.7247m	500,325.9732m
34+880.00	400,064.8184m	500,341.9025m
34+900.00	400,076.9120m	500,357.8319m
34+920.00	400,089.0056m	500,373.7612m
34+940.00	400,101.0993m	500,389.6906m
34+960.00	400,113.1929m	500,405.6199m
34+980.00	400,125.2865m	500,421.5493m
35+000.00	400,137.3802m	500,437.4786m
35+020.00	400,149.4738m	500,453.4080m

Station	Northing	Easting
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35+040.00	400,161.5674m	500,469.3373m
35+060.00	400,173.6611m	500,485.2667m
35+080.00	400,185.7547m	500,501.1960m
35+100.00	400,197.8483m	500,517.1253m
35+120.00	400,209.9420m	500,533.0547m
35+140.00	400,222.0356m	500,548.9840m
35+160.00	400,234.1292m	500,564.9134m
35+180.00	400,246.2229m	500,580.8427m
35+200.00	400,258.3165m	500,596.7721m
35+220.00	400,270.4187m	500,612.6949m
35+240.00	400,282.5468m	500,628.5980m
35+260.00	400,294.7015m	500,644.4808m
35+280.00	400,306.8826m	500,660.3434m
35+300.00	400,319.0901m	500,676.1856m
35+320.00	400,331.3240m	500,692.0075m
35+340.00	400,343.5843m	500,707.8089m
35+360.00	400,355.8709m	500,723.5899m
35+380.00	400,368.1837m	500,739.3504m
35+400.00	400,380.5229m	500,755.0904m
35+420.00	400,392.8882m	500,770.8097m
35+440.00	400,405.2797m	500,786.5085m
35+460.00	400,417.6974m	500,802.1865m
35+480.00	400,430.1412m	500,817.8439m
35+500.00	400,442.6110m	500,833.4804m
35+520.00	400,455.1069m	500,849.0962m
35+540.00	400,467.6288m	500,864.6911m
35+560.00	400,480.1767m	500,880.2652m
35+580.00	400,492.7505m	500,895.8183m
35+600.00	400,505.3503m	500,911.3504m
35+620.00	400,517.9759m	500,926.8615m
35+640.00	400,530.6273m	500,942.3515m
35+660.00	400,543.3045m	500,957.8204m
35+680.00	400,556.0075m	500,973.2682m
35+700.00	400,568.7362m	500,988.6948m
35+720.00	400,581.4906m	501,004.1002m
35+740.00	400,594.2707m	501,019.4842m
35+760.00	400,607.0764m	501,034.8470m
35+780.00	400,619.9077m	501,050.1884m
35+800.00	400,632.7645m	501,065.5083m
35+820.00	400,645.6469m	501,080.8069m
35+840.00	400,658.5547m	501,096.0839m
35+860.00	400,671.4880m	501,111.3394m

Station	Northing	Easting
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35+880.00	400,684.4467m	501,126.5733m
35+900.00	400,697.4307m	501,141.7856m
35+920.00	400,710.4401m	501,156.9763m
35+940.00	400,723.4748m	501,172.1452m
35+960.00	400,736.5347m	501,187.2924m
35+980.00	400,749.6199m	501,202.4178m
36+000.00	400,762.7262m	501,217.5250m
36+020.00	400,775.8349m	501,232.6300m
36+040.00	400,788.9435m	501,247.7351m
36+060.00	400,802.0521m	501,262.8402m
36+080.00	400,815.1608m	501,277.9453m
36+100.00	400,828.2694m	501,293.0504m
36+120.00	400,841.3780m	501,308.1555m
36+140.00	400,854.4867m	501,323.2606m
36+160.00	400,867.5953m	501,338.3656m
36+180.00	400,880.7040m	501,353.4707m
36+200.00	400,893.8126m	501,368.5758m
36+220.00	400,906.9212m	501,383.6809m
36+240.00	400,920.0299m	501,398.7860m
36+260.00	400,933.1385m	501,413.8911m
36+280.00	400,946.2471m	501,428.9962m
36+300.00	400,959.3558m	501,444.1012m
36+320.00	400,972.4644m	501,459.2063m
36+340.00	400,985.5731m	501,474.3114m
36+360.00	400,998.6817m	501,489.4165m
36+380.00	401,011.7903m	501,504.5216m
36+400.00	401,024.8990m	501,519.6267m
36+420.00	401,038.0076m	501,534.7318m
36+440.00	401,051.1162m	501,549.8369m
36+460.00	401,064.2249m	501,564.9419m
36+480.00	401,077.3335m	501,580.0470m
36+500.00	401,090.4422m	501,595.1521m
36+520.00	401,103.5508m	501,610.2572m
36+540.00	401,116.6594m	501,625.3623m
36+560.00	401,129.7681m	501,640.4674m
36+580.00	401,142.8767m	501,655.5725m
36+600.00	401,155.9853m	501,670.6775m
36+620.00	401,169.0940m	501,685.7826m
36+640.00	401,182.2026m	501,700.8877m
36+660.00	401,195.3113m	501,715.9928m
36+680.00	401,208.4199m	501,731.0979m
36+700.00	401,221.5285m	501,746.2030m

B/A



**Extension of Southern Expressway Section 2 from Beliatta to  
Wetiya Centreline Co-ordinates**

Station	Northing	Easting
36+720.00	401,234.6372m	501,761.3081m
36+740.00	401,247.7458m	501,776.4131m
36+760.00	401,260.8544m	501,791.5182m
36+780.00	401,273.9631m	501,806.6233m
36+800.00	401,287.0717m	501,821.7284m
36+820.00	401,300.1803m	501,836.8335m
36+840.00	401,313.2890m	501,851.9386m
36+860.00	401,326.3976m	501,867.0437m
36+880.00	401,339.5063m	501,882.1488m
36+900.00	401,352.6149m	501,897.2538m
36+920.00	401,365.7235m	501,912.3589m
36+940.00	401,378.8322m	501,927.4640m
36+960.00	401,391.9408m	501,942.5691m
36+980.00	401,405.0494m	501,957.6742m
37+000.00	401,418.1581m	501,972.7793m
37+020.00	401,431.2667m	501,987.8844m
37+040.00	401,444.3754m	502,002.9894m
37+060.00	401,457.4840m	502,018.0945m
37+080.00	401,470.5926m	502,033.1996m
37+100.00	401,483.7013m	502,048.3047m
37+120.00	401,496.8099m	502,063.4098m
37+140.00	401,509.9185m	502,078.5149m
37+160.00	401,523.0272m	502,093.6200m
37+180.00	401,536.1358m	502,108.7250m
37+200.00	401,549.2445m	502,123.8301m
37+220.00	401,562.3531m	502,138.9352m
37+240.00	401,575.4617m	502,154.0403m
37+260.00	401,588.5704m	502,169.1454m
37+280.00	401,601.6790m	502,184.2505m
37+300.00	401,614.7876m	502,199.3556m
37+320.00	401,627.8963m	502,214.4607m
37+340.00	401,641.0049m	502,229.5657m
37+360.00	401,654.1136m	502,244.6708m
37+380.00	401,667.2222m	502,259.7759m
37+400.00	401,680.3308m	502,274.8810m
37+420.00	401,693.4395m	502,289.9861m
37+440.00	401,706.5481m	502,305.0912m
37+460.00	401,719.6567m	502,320.1963m
37+480.00	401,732.7654m	502,335.3013m
37+500.00	401,745.8740m	502,350.4064m
37+520.00	401,758.9826m	502,365.5115m
37+540.00	401,772.0913m	502,380.6166m
37+560.00	401,785.1999m	502,395.7217m
37+580.00	401,798.3086m	502,410.8268m

Station	Northing	Easting
37+600.00	401,811.4172m	502,425.9319m
37+620.00	401,824.5258m	502,441.0369m
37+640.00	401,837.6345m	502,456.1420m
37+660.00	401,850.7431m	502,471.2471m
37+680.00	401,863.8517m	502,486.3522m
37+700.00	401,876.9604m	502,501.4573m
37+720.00	401,890.0690m	502,516.5624m
37+740.00	401,903.1777m	502,531.6675m
37+760.00	401,916.2863m	502,546.7725m
37+780.00	401,929.3949m	502,561.8776m
37+800.00	401,942.5036m	502,576.9827m
37+820.00	401,955.6122m	502,592.0878m
37+840.00	401,968.7208m	502,607.1929m
37+860.00	401,981.8295m	502,622.2980m
37+880.00	401,994.9381m	502,637.4031m
37+900.00	402,008.0468m	502,652.5082m
37+920.00	402,021.1554m	502,667.6132m
37+940.00	402,034.2640m	502,682.7183m
37+960.00	402,047.3727m	502,697.8234m
37+980.00	402,060.4813m	502,712.9285m
38+000.00	402,073.5899m	502,728.0336m
38+020.00	402,086.6986m	502,743.1387m
38+040.00	402,099.8072m	502,758.2438m
38+060.00	402,112.9159m	502,773.3488m
38+080.00	402,126.0245m	502,788.4539m
38+100.00	402,139.1331m	502,803.5590m
38+120.00	402,152.2418m	502,818.6641m
38+140.00	402,165.3504m	502,833.7692m
38+160.00	402,178.4590m	502,848.8743m
38+180.00	402,191.5677m	502,863.9794m
38+200.00	402,204.6763m	502,879.0844m
38+220.00	402,217.7849m	502,894.1895m
38+240.00	402,230.8936m	502,909.2946m
38+260.00	402,244.0022m	502,924.3997m
38+280.00	402,257.1109m	502,939.5048m
38+300.00	402,270.2195m	502,954.6099m
38+320.00	402,283.3281m	502,969.7150m
38+340.00	402,296.4368m	502,984.8201m
38+360.00	402,309.5454m	502,999.9251m
38+380.00	402,322.6540m	503,015.0302m
38+400.00	402,335.7627m	503,030.1353m
38+420.00	402,348.8713m	503,045.2404m
38+440.00	402,361.9800m	503,060.3455m
38+460.00	402,375.0886m	503,075.4506m

Station	Northing	Easting
38+480.00	402,388.1972m	503,090.5557m
38+500.00	402,401.3059m	503,105.6607m
38+520.00	402,414.4145m	503,120.7658m
38+540.00	402,427.5231m	503,135.8709m
38+560.00	402,440.6318m	503,150.9760m
38+580.00	402,453.7348m	503,166.0859m
38+600.00	402,466.8066m	503,181.2229m
38+620.00	402,479.8169m	503,196.4128m
38+640.00	402,492.7368m	503,211.6796m
38+660.00	402,505.5547m	503,227.0321m
38+680.00	402,518.2700m	503,242.4697m
38+700.00	402,530.8821m	503,257.9917m
38+720.00	402,543.3905m	503,273.5974m
38+740.00	402,555.7945m	503,289.2862m
38+760.00	402,568.0937m	503,305.0574m
38+780.00	402,580.2875m	503,320.9101m
38+800.00	402,592.3753m	503,336.8439m
38+820.00	402,604.3566m	503,352.8578m
38+840.00	402,616.2309m	503,368.9513m
38+860.00	402,627.9976m	503,385.1236m
38+880.00	402,639.6563m	503,401.3739m
38+900.00	402,651.2063m	503,417.7016m
38+920.00	402,662.6473m	503,434.1060m
38+940.00	402,673.9786m	503,450.5863m
38+960.00	402,685.1999m	503,467.1417m
38+980.00	402,696.3105m	503,483.7716m
39+000.00	402,707.3100m	503,500.4752m
39+020.00	402,718.1979m	503,517.2517m
39+040.00	402,728.9737m	503,534.1005m
39+060.00	402,739.6369m	503,551.0207m
39+080.00	402,750.1878m	503,568.0112m
39+100.00	402,760.6426m	503,585.0610m
39+120.00	402,771.0344m	503,602.1493m
39+140.00	402,781.3971m	503,619.2553m
39+160.00	402,791.7562m	503,636.3635m
39+180.00	402,802.1152m	503,653.4717m
39+200.00	402,812.4743m	503,670.5798m
39+220.00	402,822.8334m	503,687.6880m
39+240.00	402,833.1924m	503,704.7962m
39+260.00	402,843.5515m	503,721.9044m
39+280.00	402,853.9106m	503,739.0126m
39+300.00	402,864.2696m	503,756.1207m
39+320.00	402,874.6287m	503,773.2289m
39+340.00	402,884.9878m	503,790.3371m

Station	Northing	Easting
39+360.00	402,895.3468m	503,807.4453m
39+380.00	402,905.7059m	503,824.5534m
39+400.00	402,916.0650m	503,841.6616m
39+420.00	402,926.4240m	503,858.7698m
39+440.00	402,936.7831m	503,875.8780m
39+460.00	402,947.1422m	503,892.9861m
39+480.00	402,957.5012m	503,910.0943m
39+500.00	402,967.8603m	503,927.2025m
39+520.00	402,978.2194m	503,944.3107m
39+540.00	402,988.5784m	503,961.4189m
39+560.00	402,998.9375m	503,978.5270m
39+580.00	403,009.2966m	503,995.6352m
39+600.00	403,019.6556m	504,012.7434m
39+620.00	403,030.0147m	504,029.8516m
39+640.00	403,040.3738m	504,046.9597m
39+660.00	403,050.7328m	504,064.0679m
39+680.00	403,061.0919m	504,081.1761m
39+700.00	403,071.4510m	504,098.2843m
39+720.00	403,081.8100m	504,115.3925m
39+740.00	403,092.1691m	504,132.5006m
39+760.00	403,102.5282m	504,149.6088m
39+780.00	403,112.8872m	504,166.7170m
39+800.00	403,123.2463m	504,183.8252m
39+820.00	403,133.6054m	504,200.9333m
39+840.00	403,143.9644m	504,218.0415m
39+860.00	403,154.3235m	504,235.1497m
39+880.00	403,164.6826m	504,252.2579m
39+900.00	403,175.0416m	504,269.3660m
39+920.00	403,185.4007m	504,286.4742m
39+940.00	403,195.7598m	504,303.5824m
39+960.00	403,206.1188m	504,320.6906m
39+980.00	403,216.4779m	504,337.7988m
40+000.00	403,226.8370m	504,354.9069m
40+020.00	403,237.1960m	504,372.0151m
40+040.00	403,247.5551m	504,389.1233m
40+060.00	403,257.9142m	504,406.2315m
40+080.00	403,268.2732m	504,423.3396m
40+100.00	403,278.6323m	504,440.4478m
40+120.00	403,288.9914m	504,457.5560m
40+140.00	403,299.3504m	504,474.6642m
40+160.00	403,309.7095m	504,491.7724m
40+180.00	403,320.0686m	504,508.8805m
40+200.00	403,330.4276m	504,525.9887m
40+220.00	403,340.7867m	504,543.0969m



**Extension of Southern Expressway Section 2 from Beliatta to  
Wetiya Centreline Co-ordinates**

Station	Northing	Easting
36+720.00	401,234.6372m	501,761.3081m
36+740.00	401,247.7458m	501,776.4131m
36+760.00	401,260.8544m	501,791.5182m
36+780.00	401,273.9631m	501,806.6233m
36+800.00	401,287.0717m	501,821.7284m
36+820.00	401,300.1803m	501,836.8335m
36+840.00	401,313.2890m	501,851.9386m
36+860.00	401,326.3976m	501,867.0437m
36+880.00	401,339.5063m	501,882.1488m
36+900.00	401,352.6149m	501,897.2538m
36+920.00	401,365.7235m	501,912.3589m
36+940.00	401,378.8322m	501,927.4640m
36+960.00	401,391.9408m	501,942.5691m
36+980.00	401,405.0494m	501,957.6742m
37+000.00	401,418.1581m	501,972.7793m
37+020.00	401,431.2667m	501,987.8844m
37+040.00	401,444.3754m	502,002.9894m
37+060.00	401,457.4840m	502,018.0945m
37+080.00	401,470.5926m	502,033.1996m
37+100.00	401,483.7013m	502,048.3047m
37+120.00	401,496.8099m	502,063.4098m
37+140.00	401,509.9185m	502,078.5149m
37+160.00	401,523.0272m	502,093.6200m
37+180.00	401,536.1358m	502,108.7250m
37+200.00	401,549.2445m	502,123.8301m
37+220.00	401,562.3531m	502,138.9352m
37+240.00	401,575.4617m	502,154.0403m
37+260.00	401,588.5704m	502,169.1454m
37+280.00	401,601.6790m	502,184.2505m
37+300.00	401,614.7876m	502,199.3556m
37+320.00	401,627.8963m	502,214.4607m
37+340.00	401,641.0049m	502,229.5657m
37+360.00	401,654.1136m	502,244.6708m
37+380.00	401,667.2222m	502,259.7759m
37+400.00	401,680.3308m	502,274.8810m
37+420.00	401,693.4395m	502,289.9861m
37+440.00	401,706.5481m	502,305.0912m
37+460.00	401,719.6567m	502,320.1963m
37+480.00	401,732.7654m	502,335.3013m
37+500.00	401,745.8740m	502,350.4064m
37+520.00	401,758.9826m	502,365.5115m
37+540.00	401,772.0913m	502,380.6166m
37+560.00	401,785.1999m	502,395.7217m
37+580.00	401,798.3086m	502,410.8268m

Station	Northing	Easting
37+600.00	401,811.4172m	502,425.9319m
37+620.00	401,824.5258m	502,441.0369m
37+640.00	401,837.6345m	502,456.1420m
37+660.00	401,850.7431m	502,471.2471m
37+680.00	401,863.8517m	502,486.3522m
37+700.00	401,876.9604m	502,501.4573m
37+720.00	401,890.0690m	502,516.5624m
37+740.00	401,903.1777m	502,531.6675m
37+760.00	401,916.2863m	502,546.7725m
37+780.00	401,929.3949m	502,561.8776m
37+800.00	401,942.5036m	502,576.9827m
37+820.00	401,955.6122m	502,592.0878m
37+840.00	401,968.7208m	502,607.1929m
37+860.00	401,981.8295m	502,622.2980m
37+880.00	401,994.9381m	502,637.4031m
37+900.00	402,008.0468m	502,652.5082m
37+920.00	402,021.1554m	502,667.6132m
37+940.00	402,034.2640m	502,682.7183m
37+960.00	402,047.3727m	502,697.8234m
37+980.00	402,060.4813m	502,712.9285m
38+000.00	402,073.5899m	502,728.0336m
38+020.00	402,086.6986m	502,743.1387m
38+040.00	402,099.8072m	502,758.2438m
38+060.00	402,112.9159m	502,773.3488m
38+080.00	402,126.0245m	502,788.4539m
38+100.00	402,139.1331m	502,803.5590m
38+120.00	402,152.2418m	502,818.6641m
38+140.00	402,165.3504m	502,833.7692m
38+160.00	402,178.4590m	502,848.8743m
38+180.00	402,191.5677m	502,863.9794m
38+200.00	402,204.6763m	502,879.0844m
38+220.00	402,217.7849m	502,894.1895m
38+240.00	402,230.8936m	502,909.2946m
38+260.00	402,244.0022m	502,924.3997m
38+280.00	402,257.1109m	502,939.5048m
38+300.00	402,270.2195m	502,954.6099m
38+320.00	402,283.3281m	502,969.7150m
38+340.00	402,296.4368m	502,984.8201m
38+360.00	402,309.5454m	502,999.9251m
38+380.00	402,322.6540m	503,015.0302m
38+400.00	402,335.7627m	503,030.1353m
38+420.00	402,348.8713m	503,045.2404m
38+440.00	402,361.9800m	503,060.3455m
38+460.00	402,375.0886m	503,075.4506m

Station	Northing	Easting
38+480.00	402,388.1972m	503,090.5557m
38+500.00	402,401.3059m	503,105.6607m
38+520.00	402,414.4145m	503,120.7658m
38+540.00	402,427.5231m	503,135.8709m
38+560.00	402,440.6318m	503,150.9760m
38+580.00	402,453.7348m	503,166.0859m
38+600.00	402,466.8066m	503,181.2229m
38+620.00	402,479.8169m	503,196.4128m
38+640.00	402,492.7368m	503,211.6796m
38+660.00	402,505.5547m	503,227.0321m
38+680.00	402,518.2700m	503,242.4697m
38+700.00	402,530.8821m	503,257.9917m
38+720.00	402,543.3905m	503,273.5974m
38+740.00	402,555.7945m	503,289.2862m
38+760.00	402,568.0937m	503,305.0574m
38+780.00	402,580.2875m	503,320.9101m
38+800.00	402,592.3753m	503,336.8439m
38+820.00	402,604.3566m	503,352.8578m
38+840.00	402,616.2309m	503,368.9513m
38+860.00	402,627.9976m	503,385.1236m
38+880.00	402,639.6563m	503,401.3739m
38+900.00	402,651.2063m	503,417.7016m
38+920.00	402,662.6473m	503,434.1060m
38+940.00	402,673.9786m	503,450.5863m
38+960.00	402,685.1999m	503,467.1417m
38+980.00	402,696.3105m	503,483.7716m
39+000.00	402,707.3100m	503,500.4752m
39+020.00	402,718.1979m	503,517.2517m
39+040.00	402,728.9737m	503,534.1005m
39+060.00	402,739.6369m	503,551.0207m
39+080.00	402,750.1878m	503,568.0112m
39+100.00	402,760.6426m	503,585.0610m
39+120.00	402,771.0344m	503,602.1493m
39+140.00	402,781.3971m	503,619.2553m
39+160.00	402,791.7562m	503,636.3635m
39+180.00	402,802.1152m	503,653.4717m
39+200.00	402,812.4743m	503,670.5798m
39+220.00	402,822.8334m	503,687.6880m
39+240.00	402,833.1924m	503,704.7962m
39+260.00	402,843.5515m	503,721.9044m
39+280.00	402,853.9106m	503,739.0126m
39+300.00	402,864.2696m	503,756.1207m
39+320.00	402,874.6287m	503,773.2289m
39+340.00	402,884.9878m	503,790.3371m

Station	Northing	Easting
39+360.00	402,895.3468m	503,807.4453m
39+380.00	402,905.7059m	503,824.5534m
39+400.00	402,916.0650m	503,841.6616m
39+420.00	402,926.4240m	503,858.7698m
39+440.00	402,936.7831m	503,875.8780m
39+460.00	402,947.1422m	503,892.9861m
39+480.00	402,957.5012m	503,910.0943m
39+500.00	402,967.8603m	503,927.2025m
39+520.00	402,978.2194m	503,944.3107m
39+540.00	402,988.5784m	503,961.4189m
39+560.00	402,998.9375m	503,978.5270m
39+580.00	403,009.2966m	503,995.6352m
39+600.00	403,019.6556m	504,012.7434m
39+620.00	403,030.0147m	504,029.8516m
39+640.00	403,040.3738m	504,046.9597m
39+660.00	403,050.7328m	504,064.0679m
39+680.00	403,061.0919m	504,081.1761m
39+700.00	403,071.4510m	504,098.2843m
39+720.00	403,081.8100m	504,115.3925m
39+740.00	403,092.1691m	504,132.5006m
39+760.00	403,102.5282m	504,149.6088m
39+780.00	403,112.8872m	504,166.7170m
39+800.00	403,123.2463m	504,183.8252m
39+820.00	403,133.6054m	504,200.9333m
39+840.00	403,143.9644m	504,218.0415m
39+860.00	403,154.3235m	504,235.1497m
39+880.00	403,164.6826m	504,252.2579m
39+900.00	403,175.0416m	504,269.3660m
39+920.00	403,185.4007m	504,286.4742m
39+940.00	403,195.7598m	504,303.5824m
39+960.00	403,206.1188m	504,320.6906m
39+980.00	403,216.4779m	504,337.7988m
40+000.00	403,226.8370m	504,354.9069m
40+020.00	403,237.1960m	504,372.0151m
40+040.00	403,247.5551m	504,389.1233m
40+060.00	403,257.9142m	504,406.2315m
40+080.00	403,268.2732m	504,423.3396m
40+100.00	403,278.6323m	504,440.4478m
40+120.00	403,288.9914m	504,457.5560m
40+140.00	403,299.3504m	504,474.6642m
40+160.00	403,309.7095m	504,491.7724m
40+180.00	403,320.0686m	504,508.8805m
40+200.00	403,330.4276m	504,525.9887m
40+220.00	403,340.7867m	504,543.0969m



**Extension of Southern Expressway Section 2 from Beliatta to  
Wetiya Centreline Co-ordinates**

Station	Northing	Easting
40+240.00	403,351.1458m	504,560.2051m
40+260.00	403,361.5048m	504,577.3132m
40+280.00	403,371.8639m	504,594.4214m
40+300.00	403,382.2230m	504,611.5296m
40+320.00	403,392.5820m	504,628.6378m
40+340.00	403,402.9411m	504,645.7459m
40+360.00	403,413.3002m	504,662.8541m
40+380.00	403,423.6592m	504,679.9623m
40+400.00	403,434.0183m	504,697.0705m
40+420.00	403,444.3774m	504,714.1787m
40+440.00	403,454.7364m	504,731.2868m
40+460.00	403,465.0955m	504,748.3950m
40+480.00	403,475.4546m	504,765.5032m
40+500.00	403,485.8136m	504,782.6114m
40+520.00	403,496.1727m	504,799.7195m
40+540.00	403,506.5318m	504,816.8277m
40+560.00	403,516.8908m	504,833.9359m
40+580.00	403,527.2499m	504,851.0441m
40+600.00	403,537.6090m	504,868.1523m
40+620.00	403,547.9680m	504,885.2604m
40+640.00	403,558.3271m	504,902.3686m
40+660.00	403,568.6862m	504,919.4768m
40+680.00	403,579.0452m	504,936.5850m
40+700.00	403,589.4043m	504,953.6931m
40+720.00	403,599.7634m	504,970.8013m
40+740.00	403,610.1224m	504,987.9095m
40+760.00	403,620.4815m	505,005.0177m
40+780.00	403,630.8406m	505,022.1259m
40+800.00	403,641.1996m	505,039.2340m
40+820.00	403,651.5587m	505,056.3422m
40+840.00	403,661.9178m	505,073.4504m
40+860.00	403,672.2768m	505,090.5586m
40+880.00	403,682.6359m	505,107.6667m
40+900.00	403,692.9950m	505,124.7749m
40+920.00	403,703.3540m	505,141.8831m
40+940.00	403,713.7131m	505,158.9913m
40+960.00	403,724.0722m	505,176.0994m
40+980.00	403,734.4312m	505,193.2076m
41+000.00	403,744.7903m	505,210.3158m
41+020.00	403,755.1494m	505,227.4240m
41+040.00	403,765.5084m	505,244.5322m
41+060.00	403,775.8675m	505,261.6403m
41+080.00	403,786.2266m	505,278.7485m
41+100.00	403,796.5856m	505,295.8567m

Station	Northing	Easting
41+120.00	403,806.9447m	505,312.9649m
41+140.00	403,817.3038m	505,330.0730m
41+160.00	403,827.6628m	505,347.1812m
41+180.00	403,838.0219m	505,364.2894m
41+200.00	403,848.3810m	505,381.3976m
41+220.00	403,858.7400m	505,398.5058m
41+240.00	403,869.0991m	505,415.6139m
41+260.00	403,879.4582m	505,432.7221m
41+280.00	403,889.8172m	505,449.8303m
41+300.00	403,900.1763m	505,466.9385m
41+320.00	403,910.5354m	505,484.0466m
41+340.00	403,920.8944m	505,501.1548m
41+360.00	403,931.2535m	505,518.2630m
41+380.00	403,941.6126m	505,535.3712m
41+400.00	403,951.9717m	505,552.4793m
41+420.00	403,962.3307m	505,569.5875m
41+440.00	403,972.6898m	505,586.6957m
41+460.00	403,983.0489m	505,603.8039m
41+480.00	403,993.4079m	505,620.9121m
41+500.00	404,003.7670m	505,638.0202m
41+520.00	404,014.1261m	505,655.1284m
41+540.00	404,024.4851m	505,672.2366m
41+560.00	404,034.8442m	505,689.3448m
41+580.00	404,045.2033m	505,706.4529m
41+600.00	404,055.5623m	505,723.5611m
41+620.00	404,065.9214m	505,740.6693m
41+640.00	404,076.2805m	505,757.7775m
41+660.00	404,086.6395m	505,774.8857m
41+680.00	404,096.9986m	505,791.9938m
41+700.00	404,107.3577m	505,809.1020m
41+720.00	404,117.7167m	505,826.2102m
41+740.00	404,128.0758m	505,843.3184m
41+760.00	404,138.4349m	505,860.4265m
41+780.00	404,148.7939m	505,877.5347m
41+800.00	404,159.1530m	505,894.6429m
41+820.00	404,169.5121m	505,911.7511m
41+840.00	404,179.8711m	505,928.8592m
41+860.00	404,190.2302m	505,945.9674m
41+880.00	404,200.5893m	505,963.0756m
41+900.00	404,210.9483m	505,980.1838m
41+920.00	404,221.3074m	505,997.2920m
41+940.00	404,231.6665m	506,014.4001m
41+960.00	404,242.0255m	506,031.5083m
41+980.00	404,252.3846m	506,048.6165m

Station	Northing	Easting
42+000.00	404,262.7437m	506,065.7247m
42+020.00	404,273.1027m	506,082.8328m
42+040.00	404,283.4618m	506,099.9410m
42+060.00	404,293.8209m	506,117.0492m
42+080.00	404,304.1799m	506,134.1574m
42+100.00	404,314.5390m	506,151.2656m
42+120.00	404,324.8981m	506,168.3737m
42+140.00	404,335.2571m	506,185.4819m
42+160.00	404,345.6162m	506,202.5901m
42+180.00	404,355.9753m	506,219.6983m
42+200.00	404,366.3343m	506,236.8064m
42+220.00	404,376.6934m	506,253.9146m
42+240.00	404,387.0525m	506,271.0228m
42+260.00	404,397.4115m	506,288.1310m
42+280.00	404,407.7706m	506,305.2392m
42+300.00	404,418.1297m	506,322.3473m
42+320.00	404,428.4887m	506,339.4555m
42+340.00	404,438.8478m	506,356.5637m
42+360.00	404,449.2074m	506,373.6715m
42+380.00	404,459.5877m	506,390.7668m
42+400.00	404,470.0335m	506,407.8222m
42+420.00	404,480.5906m	506,424.8888m
42+440.00	404,491.2954m	506,441.7027m
42+460.00	404,502.1534m	506,458.4986m
42+480.00	404,513.1636m	506,475.1951m
42+500.00	404,524.3251m	506,491.7908m
42+520.00	404,535.6370m	506,508.2844m
42+540.00	404,547.0984m	506,524.6744m
42+560.00	404,558.7083m	506,540.9596m
42+580.00	404,570.4658m	506,557.1385m
42+600.00	404,582.3699m	506,573.2100m
42+620.00	404,594.4196m	506,589.1725m
42+640.00	404,606.6139m	506,605.0248m
42+660.00	404,618.9518m	506,620.7656m
42+680.00	404,631.4323m	506,636.3936m
42+700.00	404,644.0544m	506,651.9075m
42+720.00	404,656.8169m	506,667.3060m
42+740.00	404,669.7190m	506,682.5879m
42+760.00	404,682.7594m	506,697.7518m
42+780.00	404,695.9371m	506,712.7966m
42+800.00	404,709.2510m	506,727.7209m
42+820.00	404,722.7001m	506,742.5236m
42+840.00	404,736.2832m	506,757.2034m
42+860.00	404,749.9992m	506,771.7591m

Station	Northing	Easting
42+880.00	404,763.8469m	506,786.1896m
42+900.00	404,777.8253m	506,800.4935m
42+920.00	404,791.9331m	506,814.6698m
42+940.00	404,806.1692m	506,828.7173m
42+960.00	404,820.5324m	506,842.6347m
42+980.00	404,835.0215m	506,856.4210m
43+000.00	404,849.6354m	506,870.0750m
43+020.00	404,864.3728m	506,883.5956m
43+040.00	404,879.2324m	506,896.9817m
43+060.00	404,894.2132m	506,910.2321m
43+080.00	404,909.3138m	506,923.3458m
43+100.00	404,924.5330m	506,936.3217m
43+120.00	404,939.8695m	506,949.1587m
43+140.00	404,955.3221m	506,961.8557m
43+160.00	404,970.8895m	506,974.4118m
43+180.00	404,986.5704m	506,986.8258m
43+200.00	405,002.3635m	506,999.0967m
43+220.00	405,018.2674m	507,011.2236m
43+240.00	405,034.2810m	507,023.2053m
43+260.00	405,050.4028m	507,035.0410m
43+280.00	405,066.6314m	507,046.7299m
43+300.00	405,082.9543m	507,058.2869m
43+320.00	405,099.3409m	507,069.7532m
43+340.00	405,115.7599m	507,081.1732m
43+360.00	405,132.1848m	507,092.5848m
43+380.00	405,148.6096m	507,103.9964m
43+400.00	405,165.0345m	507,115.4080m
43+420.00	405,181.4593m	507,126.8196m
43+440.00	405,197.8841m	507,138.2312m
43+460.00	405,214.3090m	507,149.6428m
43+480.00	405,230.7338m	507,161.0544m
43+500.00	405,247.1587m	507,172.4660m
43+520.00	405,263.5835m	507,183.8776m
43+540.00	405,280.0084m	507,195.2892m
43+560.00	405,296.4332m	507,206.7008m
43+580.00	405,312.8581m	507,218.1124m
43+600.00	405,329.2829m	507,229.5239m
43+620.00	405,345.7078m	507,240.9355m
43+640.00	405,362.1326m	507,252.3471m
43+660.00	405,378.5574m	507,263.7587m
43+680.00	405,394.9823m	507,275.1703m
43+700.00	405,411.4071m	507,286.5819m
43+720.00	405,427.8320m	507,297.9935m
43+740.00	405,444.2568m	507,309.4051m



**Extension of Southern Expressway Section 2 from Beliatta to  
Wetiya Centreline Co-ordinates**

Station	Northing	Easting
43+760.00	405,460.6817m	507,320.8167m
43+780.00	405,477.1065m	507,332.2283m
43+800.00	405,493.5314m	507,343.6399m
43+820.00	405,509.9562m	507,355.0515m
43+840.00	405,526.3810m	507,366.4631m
43+860.00	405,542.8059m	507,377.8747m
43+880.00	405,559.2307m	507,389.2863m
43+900.00	405,575.6556m	507,400.6978m
43+920.00	405,592.0804m	507,412.1094m
43+940.00	405,608.5053m	507,423.5210m
43+960.00	405,624.9301m	507,434.9326m
43+980.00	405,641.3550m	507,446.3442m
44+000.00	405,657.7798m	507,457.7558m
44+020.00	405,674.2047m	507,469.1674m
44+040.00	405,690.6295m	507,480.5790m
44+060.00	405,707.0543m	507,491.9906m
44+080.00	405,723.4792m	507,503.4022m
44+100.00	405,739.9040m	507,514.8138m
44+120.00	405,756.3289m	507,526.2254m
44+140.00	405,772.7537m	507,537.6370m
44+160.00	405,789.1786m	507,549.0486m
44+180.00	405,805.6034m	507,560.4602m
44+200.00	405,822.0283m	507,571.8717m
44+220.00	405,838.4531m	507,583.2833m
44+240.00	405,854.8779m	507,594.6949m
44+260.00	405,871.3028m	507,606.1065m
44+280.00	405,887.7276m	507,617.5181m
44+300.00	405,904.1525m	507,628.9297m
44+320.00	405,920.5773m	507,640.3413m
44+340.00	405,937.0022m	507,651.7529m
44+360.00	405,953.4270m	507,663.1645m
44+380.00	405,969.8519m	507,674.5761m
44+400.00	405,986.2767m	507,685.9877m
44+420.00	406,002.7016m	507,697.3993m
44+440.00	406,019.1264m	507,708.8109m
44+460.00	406,035.5512m	507,720.2225m
44+480.00	406,051.9761m	507,731.6341m
44+500.00	406,068.4009m	507,743.0456m
44+520.00	406,084.8258m	507,754.4572m
44+540.00	406,101.2506m	507,765.8688m
44+560.00	406,117.6755m	507,777.2804m
44+580.00	406,134.1003m	507,788.6920m
44+600.00	406,150.5252m	507,800.1036m
44+620.00	406,166.9500m	507,811.5152m

Station	Northing	Easting
44+640.00	406,183.3748m	507,822.9268m
44+660.00	406,199.7997m	507,834.3384m
44+680.00	406,216.2245m	507,845.7500m
44+700.00	406,232.6494m	507,857.1616m
44+720.00	406,249.0742m	507,868.5732m
44+740.00	406,265.4991m	507,879.9848m
44+760.00	406,281.9239m	507,891.3964m
44+780.00	406,298.3488m	507,902.8080m
44+800.00	406,314.7736m	507,914.2196m
44+820.00	406,331.1985m	507,925.6311m
44+840.00	406,347.6233m	507,937.0427m
44+860.00	406,364.0481m	507,948.4543m
44+880.00	406,380.4730m	507,959.8659m
44+900.00	406,396.8978m	507,971.2775m
44+920.00	406,413.3227m	507,982.6891m
44+940.00	406,429.7475m	507,994.1007m
44+960.00	406,446.1724m	508,005.5123m
44+980.00	406,462.5972m	508,016.9239m
45+000.00	406,479.0221m	508,028.3355m
45+020.00	406,495.4469m	508,039.7471m
45+040.00	406,511.8717m	508,051.1587m
45+060.00	406,528.2966m	508,062.5703m
45+080.00	406,544.7214m	508,073.9819m
45+100.00	406,561.1463m	508,085.3935m
45+120.00	406,577.5711m	508,096.8050m
45+140.00	406,593.9960m	508,108.2166m
45+160.00	406,610.4208m	508,119.6282m
45+180.00	406,626.8457m	508,131.0398m
45+200.00	406,643.2705m	508,142.4514m
45+220.00	406,659.6954m	508,153.8630m
45+240.00	406,676.1202m	508,165.2746m
45+260.00	406,692.5450m	508,176.6862m
45+280.00	406,708.9699m	508,188.0978m
45+300.00	406,725.3947m	508,199.5094m
45+320.00	406,741.8196m	508,210.9210m
45+340.00	406,758.2444m	508,222.3326m
45+360.00	406,774.6693m	508,233.7442m
45+380.00	406,791.0941m	508,245.1558m
45+400.00	406,807.5190m	508,256.5674m
45+420.00	406,823.9438m	508,267.9789m
45+440.00	406,840.3687m	508,279.3905m
45+460.00	406,856.7935m	508,290.8021m
45+480.00	406,873.2183m	508,302.2137m
45+500.00	406,889.6432m	508,313.6253m

Station	Northing	Easting
45+520.00	406,906.0680m	508,325.0369m
45+540.00	406,922.4929m	508,336.4485m
45+560.00	406,938.9177m	508,347.8601m
45+580.00	406,955.3426m	508,359.2717m
45+600.00	406,971.7674m	508,370.6833m
45+620.00	406,988.1923m	508,382.0949m
45+640.00	407,004.6171m	508,393.5065m
45+660.00	407,021.0419m	508,404.9181m
45+680.00	407,037.4668m	508,416.3297m
45+700.00	407,053.8916m	508,427.7413m
45+720.00	407,070.3165m	508,439.1529m
45+740.00	407,086.7413m	508,450.5644m
45+760.00	407,103.1662m	508,461.9760m
45+780.00	407,119.5910m	508,473.3876m
45+800.00	407,136.0159m	508,484.7992m
45+820.00	407,152.4407m	508,496.2108m
45+840.00	407,168.8656m	508,507.6224m
45+860.00	407,185.2904m	508,519.0340m
45+880.00	407,201.7152m	508,530.4456m
45+900.00	407,218.1401m	508,541.8572m
45+920.00	407,234.5649m	508,553.2688m
45+940.00	407,250.9898m	508,564.6804m
45+960.00	407,267.4146m	508,576.0920m
45+980.00	407,283.8395m	508,587.5036m
46+000.00	407,300.2643m	508,598.9152m
46+020.00	407,316.6892m	508,610.3268m
46+040.00	407,333.1140m	508,621.7383m
46+060.00	407,349.5388m	508,633.1499m
46+080.00	407,365.9637m	508,644.5615m
46+100.00	407,382.3885m	508,655.9731m
46+120.00	407,398.8134m	508,667.3847m
46+140.00	407,415.2382m	508,678.7963m
46+160.00	407,431.6631m	508,690.2079m
46+180.00	407,448.0879m	508,701.6195m
46+200.00	407,464.5128m	508,713.0311m
46+220.00	407,480.9376m	508,724.4427m
46+240.00	407,497.3625m	508,735.8543m
46+260.00	407,513.7873m	508,747.2659m
46+280.00	407,530.2121m	508,758.6775m
46+300.00	407,546.6370m	508,770.0891m
46+320.00	407,563.0618m	508,781.5007m
46+340.00	407,579.4867m	508,792.9122m
46+360.00	407,595.9115m	508,804.3238m
46+380.00	407,612.3364m	508,815.7354m

Station	Northing	Easting
46+400.00	407,628.7612m	508,827.1470m
46+420.00	407,645.1861m	508,838.5586m
46+440.00	407,661.6109m	508,849.9702m
46+460.00	407,678.0357m	508,861.3818m
46+480.00	407,694.4606m	508,872.7934m
46+500.00	407,710.8854m	508,884.2050m
46+520.00	407,727.3103m	508,895.6166m
46+540.00	407,743.7351m	508,907.0282m
46+560.00	407,760.1600m	508,918.4398m
46+580.00	407,776.5848m	508,929.8514m
46+600.00	407,793.0097m	508,941.2630m
46+620.00	407,809.4345m	508,952.6746m
46+640.00	407,825.8594m	508,964.0861m
46+660.00	407,842.2842m	508,975.4977m
46+680.00	407,858.7090m	508,986.9093m
46+700.00	407,875.1338m	508,998.3210m
46+720.00	407,891.5586m	509,009.7326m
46+740.00	407,907.9834m	509,021.1442m
46+760.00	407,924.4082m	509,032.5558m
46+780.00	407,940.8330m	509,043.9674m
46+800.00	407,957.2578m	509,055.3790m
46+820.00	407,973.6826m	509,066.7906m
46+840.00	407,990.1074m	509,078.2022m
46+860.00	408,006.5322m	509,089.6138m
46+880.00	408,022.9570m	509,101.0254m
46+900.00	408,039.3818m	509,112.4370m
46+920.00	408,055.8066m	509,123.8486m
46+940.00	408,072.2314m	509,135.2602m
46+960.00	408,088.6562m	509,146.6718m
46+980.00	408,105.0810m	509,158.0834m
47+000.00	408,121.5058m	509,169.4950m
47+020.00	408,137.9306m	509,180.9066m
47+040.00	408,154.3554m	509,192.3182m
47+060.00	408,170.7802m	509,203.7298m
47+080.00	408,187.2050m	509,215.1414m
47+100.00	408,203.6298m	509,226.5530m
47+120.00	408,220.0546m	509,237.9646m
47+140.00	408,236.4794m	509,249.3762m
47+160.00	408,252.9042m	509,260.7878m
47+180.00	408,269.3290m	509,272.1994m
47+200.00	408,285.7538m	509,283.6110m
47+220.00	408,302.1786m	509,295.0226m
47+240.00	408,318.6034m	509,306.4342m
47+260.00	408,335.0282m	509,317.8458m

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**Extension of Southern Expressway Section 2 from Beliatta to  
Wetiya Centreline Co-ordinates**

Station	Northing	Easting
47+280.00	408,312.1450m	509,377.5685m
47+300.00	408,325.5064m	509,392.4505m
47+320.00	408,338.7432m	509,407.4432m
47+340.00	408,351.8547m	509,422.5458m
47+360.00	408,364.8399m	509,437.7571m
47+380.00	408,377.6978m	509,453.0761m
47+400.00	408,390.4313m	509,468.4987m
47+420.00	408,403.0655m	509,484.0027m
47+440.00	408,415.6346m	509,499.5596m
47+460.00	408,428.1728m	509,515.1414m
47+480.00	408,440.7071m	509,530.7265m
47+500.00	408,453.2413m	509,546.3115m
47+520.00	408,465.7755m	509,561.8965m
47+540.00	408,478.3097m	509,577.4816m
47+560.00	408,490.8439m	509,593.0666m
47+580.00	408,503.3782m	509,608.6516m
47+600.00	408,515.9124m	509,624.2367m
47+620.00	408,528.4466m	509,639.8217m
47+640.00	408,540.9808m	509,655.4067m
47+660.00	408,553.5150m	509,670.9918m
47+680.00	408,566.0493m	509,686.5768m
47+700.00	408,578.5835m	509,702.1618m
47+720.00	408,591.1177m	509,717.7469m
47+740.00	408,603.6519m	509,733.3319m
47+760.00	408,616.1862m	509,748.9169m
47+780.00	408,628.7204m	509,764.5020m
47+800.00	408,641.2546m	509,780.0870m
47+820.00	408,653.7888m	509,795.6720m
47+840.00	408,666.3230m	509,811.2571m
47+860.00	408,678.8573m	509,826.8421m
47+880.00	408,691.3915m	509,842.4272m
47+900.00	408,703.9257m	509,858.0122m
47+920.00	408,716.4599m	509,873.5972m
47+940.00	408,728.9941m	509,889.1823m
47+960.00	408,741.5284m	509,904.7673m
47+980.00	408,754.0626m	509,920.3523m
48+000.00	408,766.5968m	509,935.9374m
48+020.00	408,779.1310m	509,951.5224m
48+040.00	408,791.6652m	509,967.1074m
48+060.00	408,804.1995m	509,982.6925m
48+080.00	408,816.7337m	509,998.2775m
48+100.00	408,829.2679m	510,013.8625m
48+120.00	408,841.8021m	510,029.4476m
48+140.00	408,854.3363m	510,045.0326m

Station	Northing	Easting
48+160.00	408,866.8706m	510,060.6176m
48+180.00	408,879.4048m	510,076.2027m
48+200.00	408,891.9390m	510,091.7877m
48+220.00	408,904.4732m	510,107.3728m
48+240.00	408,917.0074m	510,122.9578m
48+260.00	408,929.5417m	510,138.5428m
48+280.00	408,942.0759m	510,154.1279m
48+300.00	408,954.6101m	510,169.7129m
48+320.00	408,967.1443m	510,185.2979m
48+340.00	408,979.6785m	510,200.8830m
48+360.00	408,992.2128m	510,216.4680m
48+380.00	409,004.7470m	510,232.0530m
48+400.00	409,017.2812m	510,247.6381m
48+420.00	409,029.8154m	510,263.2231m
48+440.00	409,042.3496m	510,278.8081m
48+460.00	409,054.8839m	510,294.3932m
48+480.00	409,067.4181m	510,309.9782m
48+500.00	409,079.9523m	510,325.5632m
48+520.00	409,092.4865m	510,341.1483m
48+540.00	409,105.0207m	510,356.7333m
48+560.00	409,117.5550m	510,372.3183m
48+580.00	409,130.0892m	510,387.9034m
48+600.00	409,142.6234m	510,403.4884m
48+620.00	409,155.1576m	510,419.0735m
48+640.00	409,167.6918m	510,434.6585m
48+660.00	409,180.2261m	510,450.2435m
48+680.00	409,192.7603m	510,465.8286m
48+700.00	409,205.2945m	510,481.4136m
48+720.00	409,217.8287m	510,496.9986m
48+740.00	409,230.3629m	510,512.5837m
48+760.00	409,242.8972m	510,528.1687m
48+780.00	409,255.4314m	510,543.7537m
48+800.00	409,267.9656m	510,559.3388m
48+820.00	409,280.4998m	510,574.9238m
48+840.00	409,293.0341m	510,590.5088m
48+860.00	409,305.5683m	510,606.0939m
48+880.00	409,318.1025m	510,621.6789m
48+900.00	409,330.6367m	510,637.2639m
48+920.00	409,343.1709m	510,652.8490m
48+940.00	409,355.7052m	510,668.4340m
48+960.00	409,368.2394m	510,684.0191m
48+980.00	409,380.7736m	510,699.6041m
49+000.00	409,393.3078m	510,715.1891m
49+020.00	409,405.8420m	510,730.7742m

Station	Northing	Easting
49+040.00	409,418.3763m	510,746.3592m
49+060.00	409,430.9105m	510,761.9442m
49+080.00	409,443.4447m	510,777.5293m
49+100.00	409,455.9789m	510,793.1143m
49+120.00	409,468.5131m	510,808.6993m
49+140.00	409,481.0474m	510,824.2844m
49+160.00	409,493.5816m	510,839.8694m
49+180.00	409,506.1158m	510,855.4544m
49+200.00	409,518.6500m	510,871.0395m
49+220.00	409,531.1842m	510,886.6245m
49+240.00	409,543.7185m	510,902.2095m
49+260.00	409,556.2527m	510,917.7946m
49+280.00	409,568.7869m	510,933.3796m
49+300.00	409,581.3211m	510,948.9646m
49+320.00	409,593.8553m	510,964.5497m
49+340.00	409,606.3896m	510,980.1347m
49+360.00	409,618.9238m	510,995.7198m
49+380.00	409,631.4580m	511,011.3048m
49+400.00	409,643.9922m	511,026.8898m
49+420.00	409,656.5264m	511,042.4749m
49+440.00	409,669.0607m	511,058.0599m
49+460.00	409,681.5949m	511,073.6449m
49+480.00	409,694.1291m	511,089.2300m
49+500.00	409,706.6633m	511,104.8150m
49+520.00	409,719.1975m	511,120.4000m
49+540.00	409,731.7318m	511,135.9851m
49+560.00	409,744.2660m	511,151.5701m
49+580.00	409,756.8002m	511,167.1551m
49+600.00	409,769.3415m	511,182.7345m
49+620.00	409,781.9033m	511,198.2973m
49+640.00	409,794.4858m	511,213.8433m
49+660.00	409,807.0891m	511,229.3726m
49+680.00	409,819.7130m	511,244.8851m
49+700.00	409,832.3576m	511,260.3807m
49+720.00	409,845.0229m	511,275.8594m
49+740.00	409,857.7088m	511,291.3212m
49+760.00	409,870.4153m	511,306.7661m
49+780.00	409,883.1423m	511,322.1941m
49+800.00	409,895.8900m	511,337.6050m
49+820.00	409,908.6581m	511,352.9990m
49+840.00	409,921.4468m	511,368.3759m
49+860.00	409,934.2560m	511,383.7358m
49+880.00	409,947.0856m	511,399.0785m
49+900.00	409,959.9357m	511,414.4042m

Station	Northing	Easting
49+920.00	409,972.8062m	511,429.7127m
49+940.00	409,985.6971m	511,445.0040m
49+960.00	409,998.6084m	511,460.2781m
49+980.00	410,011.5401m	511,475.5350m
50+000.00	410,024.4920m	511,490.7746m
50+020.00	410,037.4643m	511,505.9970m
50+040.00	410,050.4569m	511,521.2020m
50+060.00	410,063.4697m	511,536.3897m
50+080.00	410,076.5028m	511,551.5600m
50+100.00	410,089.5560m	511,566.7130m
50+120.00	410,102.6295m	511,581.8485m
50+140.00	410,115.7232m	511,596.9666m
50+160.00	410,128.8369m	511,612.0672m
50+180.00	410,141.9709m	511,627.1503m
50+200.00	410,155.1249m	511,642.2159m
50+220.00	410,168.2989m	511,657.2640m
50+240.00	410,181.4931m	511,672.2944m
50+260.00	410,194.7059m	511,687.3085m
50+280.00	410,207.9227m	511,702.3190m
50+300.00	410,221.1395m	511,717.3296m
50+320.00	410,234.3562m	511,732.3401m
50+340.00	410,247.5730m	511,747.3507m
50+360.00	410,260.7898m	511,762.3612m
50+380.00	410,274.0066m	511,777.3718m
50+400.00	410,287.2234m	511,792.3823m
50+420.00	410,300.4402m	511,807.3929m
50+440.00	410,313.6569m	511,822.4034m
50+460.00	410,326.8737m	511,837.4140m
50+480.00	410,340.0905m	511,852.4245m
50+500.00	410,353.3073m	511,867.4351m
50+520.00	410,366.5241m	511,882.4456m
50+540.00	410,379.7409m	511,897.4562m
50+560.00	410,392.9577m	511,912.4667m
50+580.00	410,406.1744m	511,927.4773m
50+600.00	410,419.3912m	511,942.4878m
50+620.00	410,432.6080m	511,957.4984m
50+640.00	410,445.8248m	511,972.5089m
50+660.00	410,459.0416m	511,987.5195m
50+680.00	410,472.2584m	512,002.5300m
50+700.00	410,485.4751m	512,017.5406m
50+720.00	410,498.6919m	512,032.5511m
50+740.00	410,511.9087m	512,047.5617m
50+760.00	410,525.1255m	512,062.5722m
50+780.00	410,538.3423m	512,077.5828m

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**Extension of Southern Expressway Section 2 from Beliatta to  
Wetiya Centreline Co-ordinates**

Station	Northing	Easting
50+800.00	410,551.5591m	512,092.5933m
50+820.00	410,564.7758m	512,107.6039m
50+840.00	410,577.9926m	512,122.6144m
50+860.00	410,591.2094m	512,137.6250m
50+880.00	410,604.4262m	512,152.6355m
50+900.00	410,617.6430m	512,167.6461m
50+920.00	410,630.8598m	512,182.6566m
50+940.00	410,644.0766m	512,197.6672m
50+960.00	410,657.2933m	512,212.6777m
50+980.00	410,670.5101m	512,227.6883m
51+000.00	410,683.7269m	512,242.6988m
51+020.00	410,696.9437m	512,257.7094m
51+040.00	410,710.1605m	512,272.7199m
51+060.00	410,723.3773m	512,287.7305m
51+080.00	410,736.5940m	512,302.7410m
51+100.00	410,749.8108m	512,317.7516m
51+120.00	410,763.0276m	512,332.7621m
51+140.00	410,776.2444m	512,347.7727m
51+160.00	410,789.4612m	512,362.7832m
51+180.00	410,802.6780m	512,377.7938m
51+200.00	410,815.8948m	512,392.8043m
51+220.00	410,829.1115m	512,407.8149m
51+240.00	410,842.3283m	512,422.8254m
51+260.00	410,855.5451m	512,437.8360m
51+280.00	410,868.7619m	512,452.8465m
51+300.00	410,881.9787m	512,467.8571m
51+320.00	410,895.1955m	512,482.8676m
51+340.00	410,908.4122m	512,497.8782m
51+360.00	410,921.6290m	512,512.8887m
51+380.00	410,934.8458m	512,527.8993m
51+400.00	410,948.0626m	512,542.9098m
51+420.00	410,961.2794m	512,557.9204m
51+440.00	410,974.4962m	512,572.9309m
51+460.00	410,987.7130m	512,587.9415m
51+480.00	411,000.9297m	512,602.9520m
51+500.00	411,014.1465m	512,617.9626m
51+520.00	411,027.3633m	512,632.9731m
51+540.00	411,040.5801m	512,647.9837m
51+560.00	411,053.7969m	512,662.9942m
51+580.00	411,067.0137m	512,678.0048m
51+600.00	411,080.2304m	512,693.0153m
51+620.00	411,093.4472m	512,708.0259m
51+640.00	411,106.6640m	512,723.0364m
51+660.00	411,119.8808m	512,738.0470m

Station	Northing	Easting
51+680.00	411,133.0976m	512,753.0575m
51+700.00	411,146.3144m	512,768.0681m
51+720.00	411,159.5311m	512,783.0786m
51+740.00	411,172.7479m	512,798.0892m
51+760.00	411,185.9647m	512,813.0997m
51+780.00	411,199.1815m	512,828.1103m
51+800.00	411,212.3983m	512,843.1208m
51+820.00	411,225.6151m	512,858.1314m
51+840.00	411,238.8319m	512,873.1419m
51+860.00	411,252.0486m	512,888.1525m
51+880.00	411,265.2654m	512,903.1630m
51+900.00	411,278.4822m	512,918.1736m
51+920.00	411,291.6990m	512,933.1841m
51+940.00	411,304.9158m	512,948.1947m
51+960.00	411,318.1326m	512,963.2052m
51+980.00	411,331.3493m	512,978.2158m
52+000.00	411,344.5661m	512,993.2263m
52+020.00	411,357.7829m	513,008.2369m
52+040.00	411,370.9997m	513,023.2474m
52+060.00	411,384.2165m	513,038.2580m
52+080.00	411,397.4333m	513,053.2685m
52+100.00	411,410.6501m	513,068.2791m
52+120.00	411,423.8668m	513,083.2896m
52+140.00	411,437.0836m	513,098.3002m
52+160.00	411,450.3004m	513,113.3107m
52+180.00	411,463.5172m	513,128.3213m
52+200.00	411,476.7340m	513,143.3318m
52+220.00	411,489.9508m	513,158.3424m
52+240.00	411,503.1675m	513,173.3529m
52+260.00	411,516.3843m	513,188.3635m
52+280.00	411,529.6011m	513,203.3740m
52+300.00	411,542.8179m	513,218.3846m
52+320.00	411,556.0347m	513,233.3951m
52+340.00	411,569.2515m	513,248.4057m
52+360.00	411,582.4682m	513,263.4162m
52+380.00	411,595.6850m	513,278.4268m
52+400.00	411,608.9018m	513,293.4373m
52+420.00	411,622.1186m	513,308.4479m
52+440.00	411,635.3354m	513,323.4584m
52+460.00	411,648.5522m	513,338.4690m
52+480.00	411,661.7690m	513,353.4795m
52+500.00	411,674.9857m	513,368.4901m
52+520.00	411,688.2025m	513,383.5006m
52+540.00	411,701.4176m	513,398.5127m

Station	Northing	Easting
52+560.00	411,714.6114m	513,413.5434m
52+580.00	411,727.7541m	513,428.6188m
52+600.00	411,740.8158m	513,443.7646m
52+620.00	411,753.7775m	513,458.9959m
52+640.00	411,766.6373m	513,474.3132m
52+660.00	411,779.3948m	513,489.7160m
52+680.00	411,792.0493m	513,505.2035m
52+700.00	411,804.6003m	513,520.7750m
52+720.00	411,817.0472m	513,536.4298m
52+740.00	411,829.3894m	513,552.1672m
52+760.00	411,841.6265m	513,567.9866m
52+780.00	411,853.7578m	513,583.8872m
52+800.00	411,865.7829m	513,599.8684m
52+820.00	411,877.7011m	513,615.9293m
52+840.00	411,889.5120m	513,632.0694m
52+860.00	411,901.2151m	513,648.2878m
52+880.00	411,912.8097m	513,664.5839m
52+900.00	411,924.2955m	513,680.9569m
52+920.00	411,935.6719m	513,697.4061m
52+940.00	411,946.9383m	513,713.9308m
52+960.00	411,958.0944m	513,730.5302m
52+980.00	411,969.1395m	513,747.2037m
53+000.00	411,980.0732m	513,763.9504m
53+020.00	411,990.8950m	513,780.7696m
53+040.00	412,001.6045m	513,797.6606m
53+060.00	412,012.2011m	513,814.6227m
53+080.00	412,022.6898m	513,831.6517m
53+100.00	412,033.0981m	513,848.7299m
53+120.00	412,043.4598m	513,865.8365m
53+140.00	412,053.8076m	513,882.9514m
53+160.00	412,064.1552m	513,900.0666m
53+180.00	412,074.5027m	513,917.1818m
53+200.00	412,084.8502m	513,934.2969m
53+220.00	412,095.1977m	513,951.4121m
53+240.00	412,105.5452m	513,968.5273m
53+260.00	412,115.8928m	513,985.6424m
53+280.00	412,126.2403m	514,002.7576m
53+300.00	412,136.5878m	514,019.8728m
53+320.00	412,146.9353m	514,036.9879m
53+340.00	412,157.2828m	514,054.1031m
53+360.00	412,167.6304m	514,071.2182m
53+380.00	412,177.9779m	514,088.3334m
53+400.00	412,188.3254m	514,105.4486m
53+420.00	412,198.6729m	514,122.5637m

Station	Northing	Easting
53+440.00	412,209.0204m	514,139.6789m
53+460.00	412,219.3680m	514,156.7941m
53+480.00	412,229.7155m	514,173.9092m
53+500.00	412,240.0630m	514,191.0244m
53+520.00	412,250.4105m	514,208.1396m
53+540.00	412,260.7580m	514,225.2547m
53+560.00	412,271.1056m	514,242.3699m
53+580.00	412,281.4531m	514,259.4851m
53+600.00	412,291.8006m	514,276.6002m
53+620.00	412,302.1481m	514,293.7154m
53+640.00	412,312.4956m	514,310.8305m
53+660.00	412,322.8431m	514,327.9457m
53+680.00	412,333.1907m	514,345.0609m
53+700.00	412,343.5382m	514,362.1760m
53+720.00	412,353.8857m	514,379.2912m
53+740.00	412,364.2332m	514,396.4064m
53+760.00	412,374.5807m	514,413.5215m
53+780.00	412,384.9283m	514,430.6367m
53+800.00	412,395.2758m	514,447.7519m
53+820.00	412,405.6233m	514,464.8670m
53+840.00	412,415.9708m	514,481.9822m
53+860.00	412,426.3183m	514,499.0974m
53+880.00	412,436.6659m	514,516.2125m
53+900.00	412,447.0134m	514,533.3277m
53+920.00	412,457.3609m	514,550.4428m
53+940.00	412,467.7084m	514,567.5580m
53+960.00	412,478.0559m	514,584.6732m
53+980.00	412,488.4035m	514,601.7883m
54+000.00	412,498.7510m	514,618.9035m
54+020.00	412,509.0985m	514,636.0187m
54+040.00	412,519.4460m	514,653.1338m
54+060.00	412,529.7935m	514,670.2490m
54+080.00	412,540.1411m	514,687.3642m
54+100.00	412,550.4886m	514,704.4793m
54+120.00	412,560.8361m	514,721.5945m
54+140.00	412,571.1836m	514,738.7097m
54+160.00	412,581.5311m	514,755.8248m
54+180.00	412,591.8786m	514,772.9400m
54+200.00	412,602.2262m	514,790.0551m
54+220.00	412,612.5737m	514,807.1703m
54+240.00	412,622.9212m	514,824.2855m
54+260.00	412,633.2687m	514,841.4006m
54+280.00	412,643.6162m	514,858.5158m
54+300.00	412,653.9638m	514,875.6310m

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**Extension of Southern Expressway Section 2 from Beliatta to  
Wetiya Centreline Co-ordinates**

Station	Northing	Easting
50+800.00	410,551.5591m	512,092.5933m
50+820.00	410,564.7758m	512,107.6039m
50+840.00	410,577.9926m	512,122.6144m
50+860.00	410,591.2094m	512,137.6250m
50+880.00	410,604.4262m	512,152.6355m
50+900.00	410,617.6430m	512,167.6461m
50+920.00	410,630.8598m	512,182.6566m
50+940.00	410,644.0766m	512,197.6672m
50+960.00	410,657.2933m	512,212.6777m
50+980.00	410,670.5101m	512,227.6883m
51+000.00	410,683.7269m	512,242.6988m
51+020.00	410,696.9437m	512,257.7094m
51+040.00	410,710.1605m	512,272.7199m
51+060.00	410,723.3773m	512,287.7305m
51+080.00	410,736.5940m	512,302.7410m
51+100.00	410,749.8108m	512,317.7516m
51+120.00	410,763.0276m	512,332.7621m
51+140.00	410,776.2444m	512,347.7727m
51+160.00	410,789.4612m	512,362.7832m
51+180.00	410,802.6780m	512,377.7938m
51+200.00	410,815.8948m	512,392.8043m
51+220.00	410,829.1115m	512,407.8149m
51+240.00	410,842.3283m	512,422.8254m
51+260.00	410,855.5451m	512,437.8360m
51+280.00	410,868.7619m	512,452.8465m
51+300.00	410,881.9787m	512,467.8571m
51+320.00	410,895.1955m	512,482.8676m
51+340.00	410,908.4122m	512,497.8782m
51+360.00	410,921.6290m	512,512.8887m
51+380.00	410,934.8458m	512,527.8993m
51+400.00	410,948.0626m	512,542.9098m
51+420.00	410,961.2794m	512,557.9204m
51+440.00	410,974.4962m	512,572.9309m
51+460.00	410,987.7130m	512,587.9415m
51+480.00	411,000.9297m	512,602.9520m
51+500.00	411,014.1465m	512,617.9626m
51+520.00	411,027.3633m	512,632.9731m
51+540.00	411,040.5801m	512,647.9837m
51+560.00	411,053.7969m	512,662.9942m
51+580.00	411,067.0137m	512,678.0048m
51+600.00	411,080.2304m	512,693.0153m
51+620.00	411,093.4472m	512,708.0259m
51+640.00	411,106.6640m	512,723.0364m
51+660.00	411,119.8808m	512,738.0470m

Station	Northing	Easting
51+680.00	411,133.0976m	512,753.0575m
51+700.00	411,146.3144m	512,768.0681m
51+720.00	411,159.5311m	512,783.0786m
51+740.00	411,172.7479m	512,798.0892m
51+760.00	411,185.9647m	512,813.0997m
51+780.00	411,199.1815m	512,828.1103m
51+800.00	411,212.3983m	512,843.1208m
51+820.00	411,225.6151m	512,858.1314m
51+840.00	411,238.8319m	512,873.1419m
51+860.00	411,252.0486m	512,888.1525m
51+880.00	411,265.2654m	512,903.1630m
51+900.00	411,278.4822m	512,918.1736m
51+920.00	411,291.6990m	512,933.1841m
51+940.00	411,304.9158m	512,948.1947m
51+960.00	411,318.1326m	512,963.2052m
51+980.00	411,331.3493m	512,978.2158m
52+000.00	411,344.5661m	512,993.2263m
52+020.00	411,357.7829m	513,008.2369m
52+040.00	411,370.9997m	513,023.2474m
52+060.00	411,384.2165m	513,038.2580m
52+080.00	411,397.4333m	513,053.2685m
52+100.00	411,410.6501m	513,068.2791m
52+120.00	411,423.8668m	513,083.2896m
52+140.00	411,437.0836m	513,098.3002m
52+160.00	411,450.3004m	513,113.3107m
52+180.00	411,463.5172m	513,128.3213m
52+200.00	411,476.7340m	513,143.3318m
52+220.00	411,489.9508m	513,158.3424m
52+240.00	411,503.1675m	513,173.3529m
52+260.00	411,516.3843m	513,188.3635m
52+280.00	411,529.6011m	513,203.3740m
52+300.00	411,542.8179m	513,218.3846m
52+320.00	411,556.0347m	513,233.3951m
52+340.00	411,569.2515m	513,248.4057m
52+360.00	411,582.4682m	513,263.4162m
52+380.00	411,595.6850m	513,278.4268m
52+400.00	411,608.9018m	513,293.4373m
52+420.00	411,622.1186m	513,308.4479m
52+440.00	411,635.3354m	513,323.4584m
52+460.00	411,648.5522m	513,338.4690m
52+480.00	411,661.7690m	513,353.4795m
52+500.00	411,674.9857m	513,368.4901m
52+520.00	411,688.2025m	513,383.5006m
52+540.00	411,701.4176m	513,398.5127m

Station	Northing	Easting
52+560.00	411,714.6114m	513,413.5434m
52+580.00	411,727.7541m	513,428.6188m
52+600.00	411,740.8158m	513,443.7646m
52+620.00	411,753.7775m	513,458.9959m
52+640.00	411,766.6373m	513,474.3132m
52+660.00	411,779.3948m	513,489.7160m
52+680.00	411,792.0493m	513,505.2035m
52+700.00	411,804.6003m	513,520.7750m
52+720.00	411,817.0472m	513,536.4298m
52+740.00	411,829.3894m	513,552.1672m
52+760.00	411,841.6265m	513,567.9866m
52+780.00	411,853.7578m	513,583.8872m
52+800.00	411,865.7829m	513,599.8684m
52+820.00	411,877.7011m	513,615.9293m
52+840.00	411,889.5120m	513,632.0694m
52+860.00	411,901.2151m	513,648.2878m
52+880.00	411,912.8097m	513,664.5839m
52+900.00	411,924.2955m	513,680.9569m
52+920.00	411,935.6719m	513,697.4061m
52+940.00	411,946.9383m	513,713.9308m
52+960.00	411,958.0944m	513,730.5302m
52+980.00	411,969.1395m	513,747.2037m
53+000.00	411,980.0732m	513,763.9504m
53+020.00	411,990.8950m	513,780.7696m
53+040.00	412,001.6045m	513,797.6606m
53+060.00	412,012.2011m	513,814.6227m
53+080.00	412,022.6898m	513,831.6517m
53+100.00	412,033.0981m	513,848.7299m
53+120.00	412,043.4598m	513,865.8365m
53+140.00	412,053.8076m	513,882.9514m
53+160.00	412,064.1552m	513,900.0666m
53+180.00	412,074.5027m	513,917.1818m
53+200.00	412,084.8502m	513,934.2969m
53+220.00	412,095.1977m	513,951.4121m
53+240.00	412,105.5452m	513,968.5273m
53+260.00	412,115.8928m	513,985.6424m
53+280.00	412,126.2403m	514,002.7576m
53+300.00	412,136.5878m	514,019.8728m
53+320.00	412,146.9353m	514,036.9879m
53+340.00	412,157.2828m	514,054.1031m
53+360.00	412,167.6304m	514,071.2182m
53+380.00	412,177.9779m	514,088.3334m
53+400.00	412,188.3254m	514,105.4486m
53+420.00	412,198.6729m	514,122.5637m

Station	Northing	Easting
53+440.00	412,209.0204m	514,139.6789m
53+460.00	412,219.3680m	514,156.7941m
53+480.00	412,229.7155m	514,173.9092m
53+500.00	412,240.0630m	514,191.0244m
53+520.00	412,250.4105m	514,208.1396m
53+540.00	412,260.7580m	514,225.2547m
53+560.00	412,271.1056m	514,242.3699m
53+580.00	412,281.4531m	514,259.4851m
53+600.00	412,291.8006m	514,276.6002m
53+620.00	412,302.1481m	514,293.7154m
53+640.00	412,312.4956m	514,310.8305m
53+660.00	412,322.8431m	514,327.9457m
53+680.00	412,333.1907m	514,345.0609m
53+700.00	412,343.5382m	514,362.1760m
53+720.00	412,353.8857m	514,379.2912m
53+740.00	412,364.2332m	514,396.4064m
53+760.00	412,374.5807m	514,413.5215m
53+780.00	412,384.9283m	514,430.6367m
53+800.00	412,395.2758m	514,447.7519m
53+820.00	412,405.6233m	514,464.8670m
53+840.00	412,415.9708m	514,481.9822m
53+860.00	412,426.3183m	514,499.0974m
53+880.00	412,436.6659m	514,516.2125m
53+900.00	412,447.0134m	514,533.3277m
53+920.00	412,457.3609m	514,550.4428m
53+940.00	412,467.7084m	514,567.5580m
53+960.00	412,478.0559m	514,584.6732m
53+980.00	412,488.4035m	514,601.7883m
54+000.00	412,498.7510m	514,618.9035m
54+020.00	412,509.0985m	514,636.0187m
54+040.00	412,519.4460m	514,653.1338m
54+060.00	412,529.7935m	514,670.2490m
54+080.00	412,540.1411m	514,687.3642m
54+100.00	412,550.4886m	514,704.4793m
54+120.00	412,560.8361m	514,721.5945m
54+140.00	412,571.1836m	514,738.7097m
54+160.00	412,581.5311m	514,755.8248m
54+180.00	412,591.8786m	514,772.9400m
54+200.00	412,602.2262m	514,790.0551m
54+220.00	412,612.5737m	514,807.1703m
54+240.00	412,622.9212m	514,824.2855m
54+260.00	412,633.2687m	514,841.4006m
54+280.00	412,643.6162m	514,858.5158m
54+300.00	412,653.9638m	514,875.6310m

*Handwritten signature or initials*



**Extension of Southern Expressway Section 2 from Beliatta to  
Wetiya Centreline Co-ordinates**

Station	Northing	Easting
54+320.00	412,664.3113m	514,892.7461m
54+340.00	412,674.6588m	514,909.8613m
54+360.00	412,685.0063m	514,926.9765m
54+380.00	412,695.3538m	514,944.0916m
54+400.00	412,705.7014m	514,961.2068m
54+420.00	412,716.0489m	514,978.3220m
54+440.00	412,726.3964m	514,995.4371m
54+460.00	412,736.7439m	515,012.5523m
54+480.00	412,747.0914m	515,029.6674m
54+500.00	412,757.4390m	515,046.7826m
54+520.00	412,767.7865m	515,063.8978m
54+540.00	412,778.1340m	515,081.0129m
54+560.00	412,788.4815m	515,098.1281m
54+580.00	412,798.8290m	515,115.2433m
54+600.00	412,809.1766m	515,132.3584m
54+620.00	412,819.5241m	515,149.4736m
54+640.00	412,829.8716m	515,166.5888m
54+660.00	412,840.2191m	515,183.7039m
54+680.00	412,850.5666m	515,200.8191m
54+700.00	412,860.9141m	515,217.9342m
54+720.00	412,871.2617m	515,235.0494m
54+740.00	412,881.6092m	515,252.1646m
54+760.00	412,891.9567m	515,269.2797m
54+780.00	412,902.3042m	515,286.3949m
54+800.00	412,912.6517m	515,303.5101m
54+820.00	412,922.9993m	515,320.6252m
54+840.00	412,933.3468m	515,337.7404m
54+860.00	412,943.6943m	515,354.8556m
54+880.00	412,954.0418m	515,371.9707m
54+900.00	412,964.3894m	515,389.0858m
54+920.00	412,974.7369m	515,406.1937m
54+940.00	412,985.0844m	515,423.2720m
54+960.00	412,995.4319m	515,440.2960m
54+980.00	413,006.2787m	515,457.2404m
55+000.00	413,017.0694m	515,474.0796m
55+020.00	413,028.0455m	515,490.7984m
55+040.00	413,039.2068m	515,507.3943m
55+060.00	413,050.5517m	515,523.8651m
55+080.00	413,062.0789m	515,540.2089m
55+100.00	413,073.7871m	515,556.4236m
55+120.00	413,085.6746m	515,572.5072m
55+140.00	413,097.7402m	515,588.4577m
55+160.00	413,109.9822m	515,604.2731m
55+180.00	413,122.3991m	515,619.9516m

Station	Northing	Easting
55+200.00	413,134.9896m	515,635.4912m
55+220.00	413,147.7518m	515,650.8899m
55+240.00	413,160.6844m	515,666.1458m
55+260.00	413,173.7857m	515,681.2571m
55+280.00	413,187.0541m	515,696.2219m
55+300.00	413,200.4880m	515,711.0384m
55+320.00	413,214.0856m	515,725.7047m
55+340.00	413,227.8454m	515,740.2190m
55+360.00	413,241.7656m	515,754.5795m
55+380.00	413,255.8445m	515,768.7844m
55+400.00	413,270.0803m	515,782.8321m
55+420.00	413,284.4713m	515,796.7207m
55+440.00	413,299.0158m	515,810.4486m
55+460.00	413,313.7119m	515,824.0140m
55+480.00	413,328.5578m	515,837.4153m
55+500.00	413,343.5516m	515,850.6510m
55+520.00	413,358.6805m	515,863.7320m
55+540.00	413,373.9145m	515,876.6905m
55+560.00	413,389.2224m	515,889.5617m
55+580.00	413,404.5739m	515,902.3809m
55+600.00	413,419.9396m	515,915.1831m
55+620.00	413,435.3057m	515,927.9847m
55+640.00	413,450.6719m	515,940.7863m
55+660.00	413,466.0380m	515,953.5879m
55+680.00	413,481.4042m	515,966.3896m
55+700.00	413,496.7703m	515,979.1912m
55+720.00	413,512.1365m	515,991.9928m
55+740.00	413,527.5026m	516,004.7944m
55+760.00	413,542.8688m	516,017.5960m
55+780.00	413,558.2349m	516,030.3976m
55+800.00	413,573.6011m	516,043.1992m
55+820.00	413,588.9673m	516,056.0009m
55+840.00	413,604.3334m	516,068.8025m
55+860.00	413,619.6996m	516,081.6041m
55+880.00	413,635.0657m	516,094.4057m
55+900.00	413,650.4319m	516,107.2073m
55+920.00	413,665.7980m	516,120.0089m
55+940.00	413,681.1642m	516,132.8105m
55+960.00	413,696.5303m	516,145.6122m
55+980.00	413,711.8965m	516,158.4138m
56+000.00	413,727.2626m	516,171.2154m

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