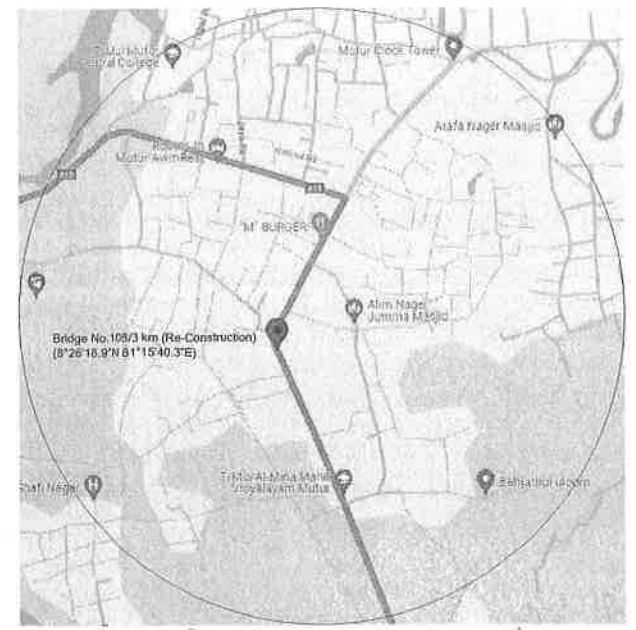
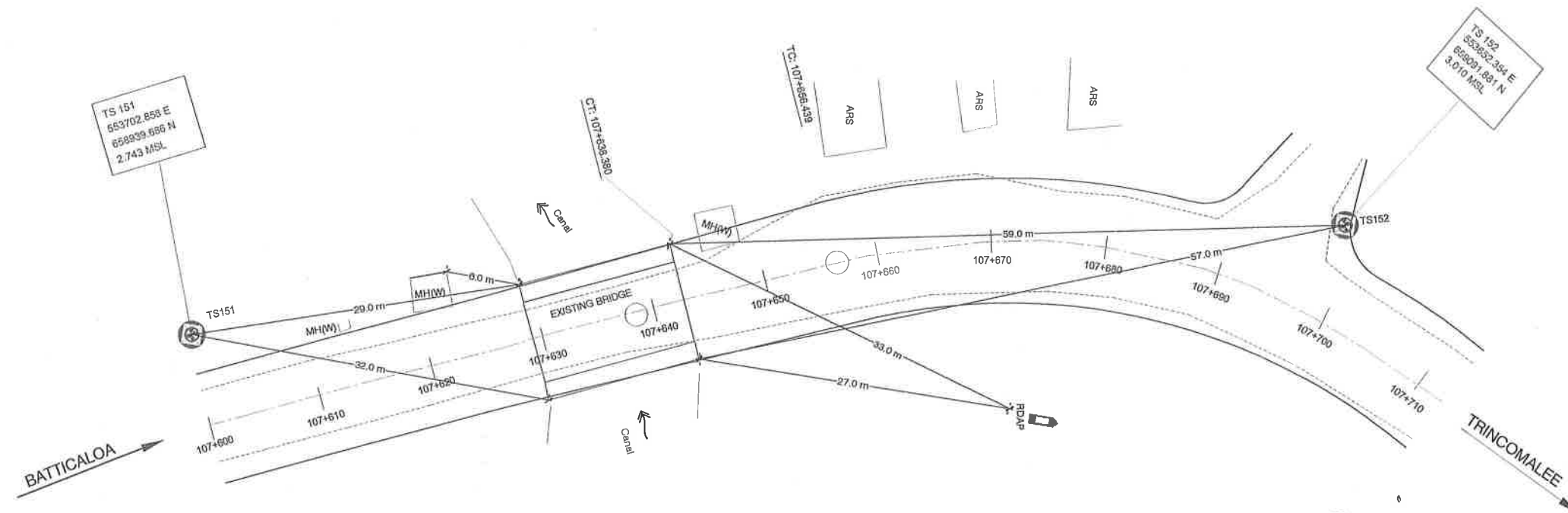


SITE PLAN  
SCALE - 1:500



SITE PLAN  
SCALE - 1:500



KEY DIAGRAM FOR REFERENCE POINTS  
SCALE - 1:250

CHAINAGE	CO-ORDINATE	
	EASTING	NORTHING
107+540	553714.80	658933.59
107+550	553710.49	658942.61
107+560	553706.22	658951.65
107+570	553701.98	658960.71
107+580	553697.76	658969.78
107+590	553693.58	658978.88
107+600	553689.43	658987.98
107+610	553685.30	658997.07
107+620	553681.21	659006.19
107+630	553677.15	659015.33
107+640	553673.12	659024.48
107+650	553669.12	659033.65
107+660	553665.13	659042.82
107+670	553661.23	659052.03
107+680	553658.59	659061.66
107+690	553657.58	659071.60
107+700	553658.24	659081.58
107+710	553660.53	659091.28
107+720	553664.41	659100.49
107+730	553669.98	659109.17
107+740	553674.39	659117.82

	CO-ORDINATE		
	EASTING (x)	NORTHING (y)	ELEVATION (z)
TS151	553702.858	658939.686	2.743 MSL
TS152	553652.354	658091.881	3.010 MSL

NOTES:  
1. Setting out of bridge and approaches to be done simultaneously and shall be referred to the Engineer prior to foundation excavation.

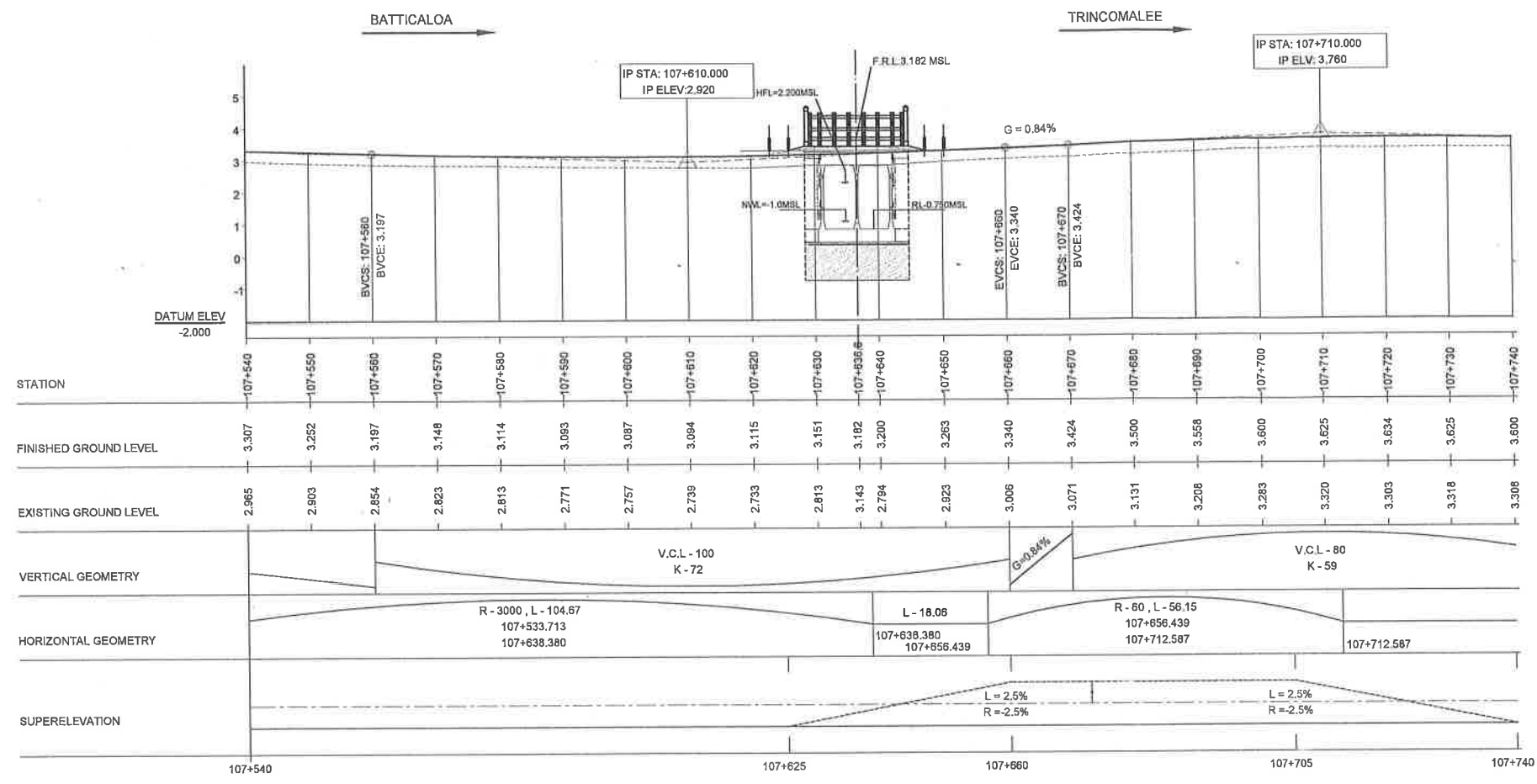
*T. Ramachandran*  
17/05/2024

BATTICALOA THIRUKKONDIYADIMADU TRINCOMALEE ROAD.(A - 015)  
Br.No. 108/3 km. (RE -CONSTRUCTION)

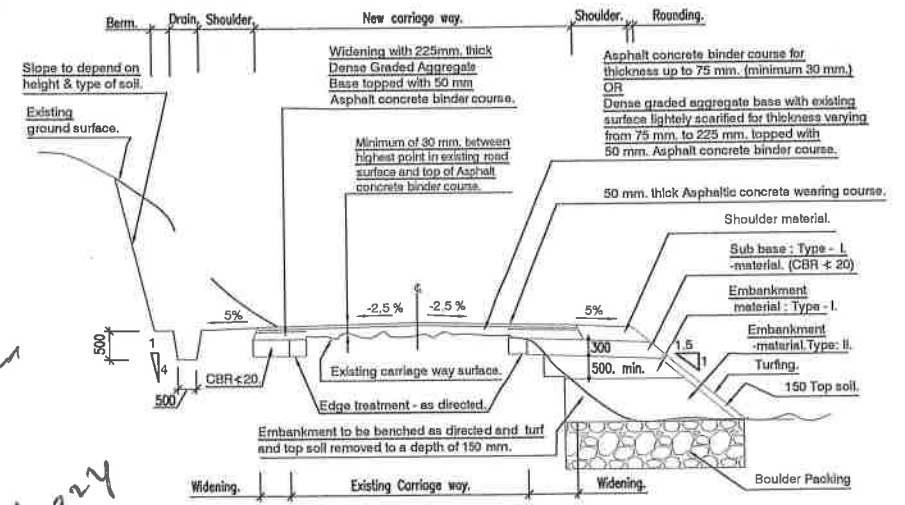
SITE PLAN

REV.	DESCRIPTION	BY	DATE

MINISTRY OF HIGHWAYS - SRI LANKA ROAD DEVELOPMENT AUTHORITY		BRIDGE DESIGNS OFFICE *MAGANEKUMA MAHAMEDURA BATTARAMULLA
DESIGNED : T. Ramachandran DRAWN : M.S. Ahmed CHECKED : CHECKED FILE NO. : EP-38	SENIOR ENGINEER - DESIGNS DEPUTY DIRECTOR - BRIDGE DESIGNS	
DRG. NO. EP/B/1474/1		NUMBER: 0177



LONGITUDINAL SECTION  
Scale - Vertical 1:100  
Horizontal 1:500



TYPICAL ROAD SECTION WIDENING : CUTTING & FILLING.  
NOT TO SCALE

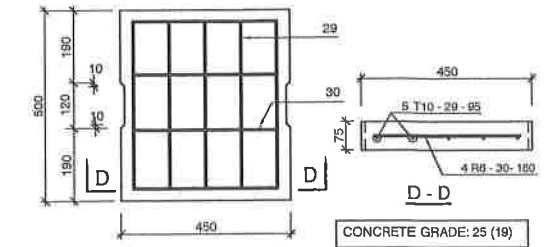
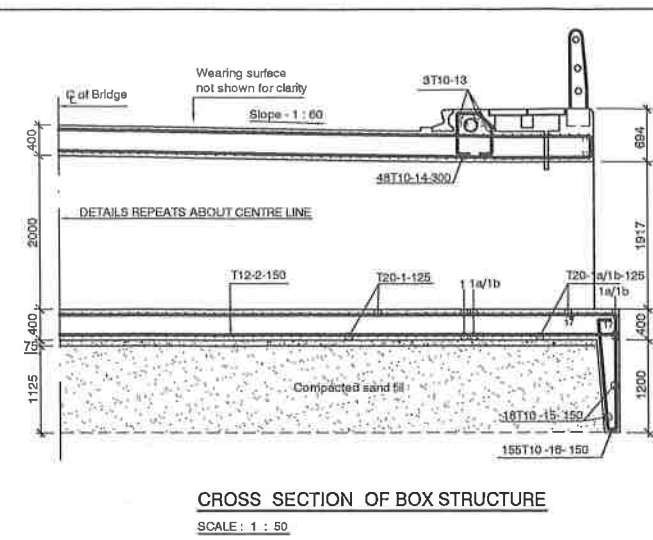
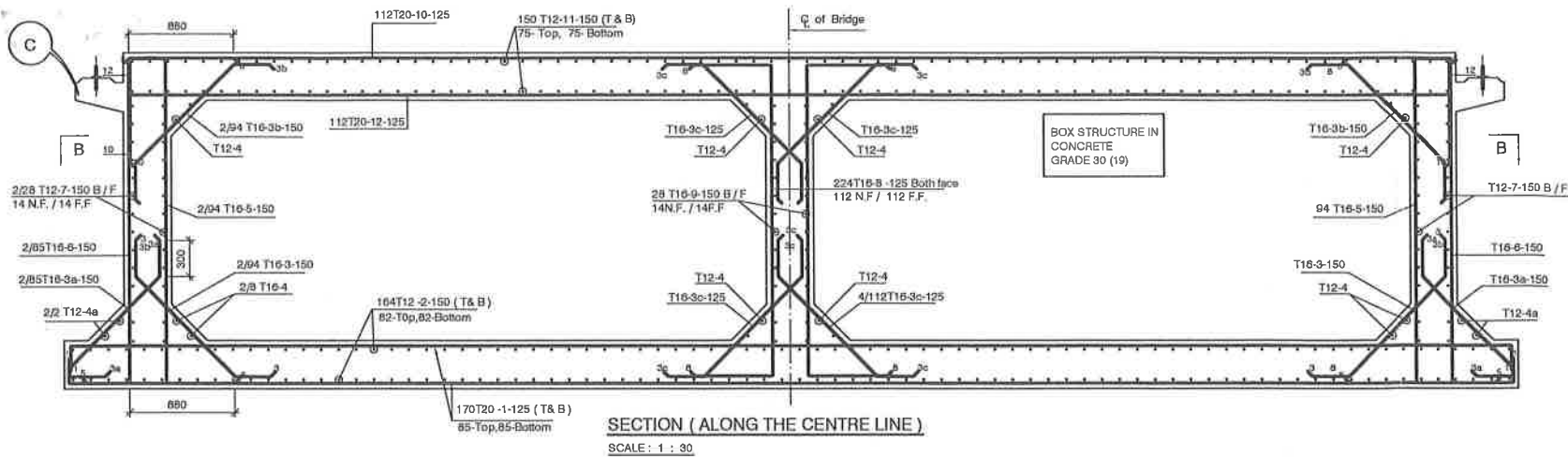
*Handwritten notes:*  
Tender 193m  
19/05/2024

BATTICALOA THIRUKKONDIYADIMADU TRINCOMALEE ROAD.(A - 015)  
Br.No. 108/3 km. (RE -CONSTRUCTION)

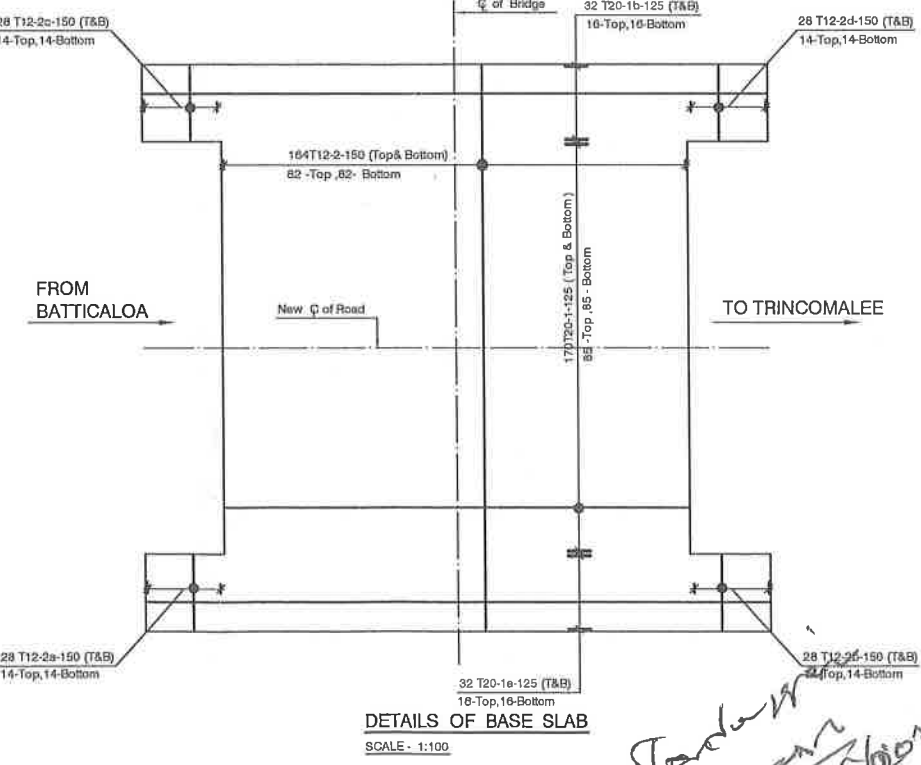
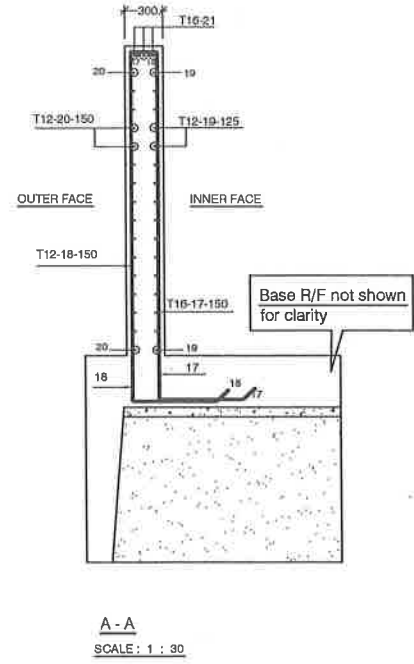
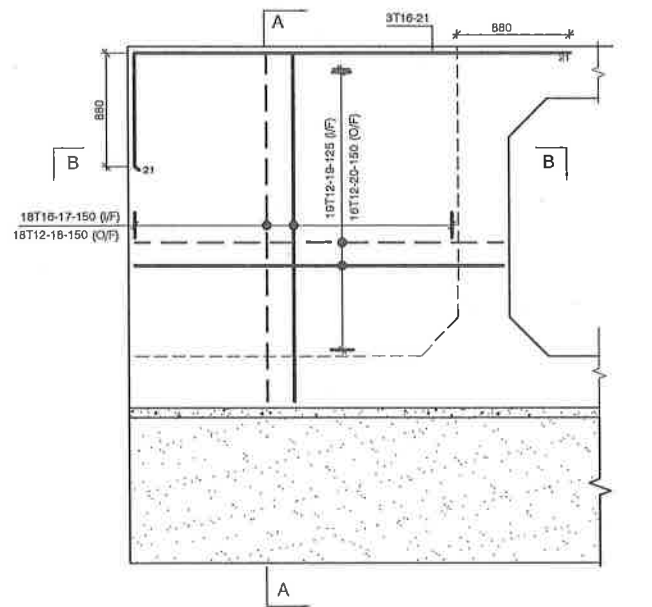
LONGITUDINAL SECTION

REV.	DESCRIPTION	BY	DATE

MINISTRY OF HIGHWAYS - SRI LANKA ROAD DEVELOPMENT AUTHORITY			BRIDGE DESIGNS OFFICE MAGANEKUMA MAHAMEDURA BATTARAMULLA
DESIGNED : T.Ramachandran DRAWN : M.S.Ahamed CHECKED : CHIRCKRD FILE NO. : KP-38 DRG. NO. EP/B/1474/2	SENIOR ENGINEER - DESIGNS DEPUTY DIRECTOR - BRIDGE DESIGNING	DEPUTY DIRECTOR GENERAL (S.D) ADDITIONAL DIRECTOR GENERAL (C.O) FOR DIRECTOR GENERAL	NUMBER: 1532 10/27



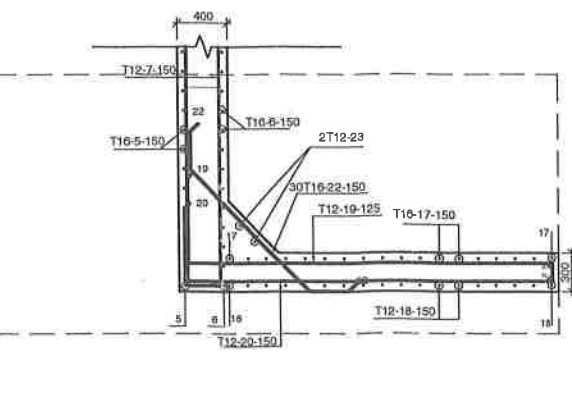
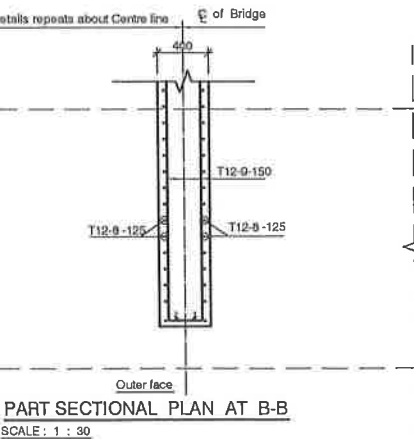
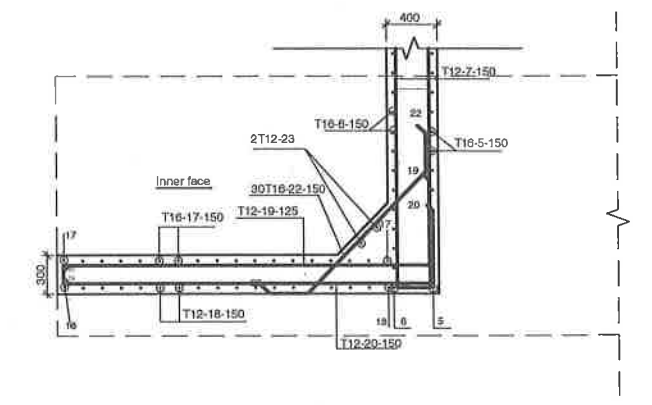
- NOTES: REINFORCEMENT**
- Concrete Grade -  
Foot walk, Approach slab : Grade 25 (19)  
Lower Kerb : Grade 20 (14)  
Wing walls, Walls, Deck slab, Foundation slab : Grade 40 (19)  
Screed under foundation slab : Nominal mix. 1:3:6 (19)  
Apron : Nominal mix. 1:3:6 (37.5)
  - All bars marked 'R' shall be hot rolled mild steel plain bars of yield strength not less than 250 N/mm<sup>2</sup>.
  - All bars marked 'T' shall be high yield deformed bars of yield strength not less than 460 N/mm<sup>2</sup>.
  - Bars shall be bent & hooked in accordance with BS.4466:1999.
  - Bars of cut length larger than the spliced length should be spliced with a lap length = 55x bar diameter and splicing should be staggered.
  - Clear cover to reinforcements shall be 45 mm.
  - Top Slab thickness is constant throughout the Bridge.



**SCHEDULE OF REINFORCEMENT.**

Location	Bar mark	Type & size	No. of mtrs	No. of bars in each	Total number	Length of each bar in mm	Total length in m.	Weight in kg.	Bending.
Base slab	1	T20	1	170	170	12700	2159.0	5324.1	
	1a	T20	1	32	32	16900	540.8	1333.6	
	1b	T20	1	32	32	16900	540.8	1333.6	
	2	T12	1	164	164	15150	2484.6	2208.3	
	2a	T12	1	28	28	2500	70.0	172.6	
	2b	T12	1	28	28	2500	70.0	172.6	
Walls	3	T16	1	2/94	188	1775	333.7	526.6	
	3a	T16	1	2/85	170	1745	296.7	468.1	
	3b	T16	1	2/94	188	1775	333.7	526.6	
	3c	T16	1	4/112	448	1775	795.2	1254.8	
	4	T12	1	2/8	16	13900	222.4	197.5	
	4a	T12	1	2/2	4	12500	50.0	44.4	
	5	T16	1	2/94	188	3575	672.1	1060.6	
	6	T16	1	2/85	170	4435	754.0	1190.0	
	7	T12	1	2/26	56	14500	812.0	721.1	
	8	T12	1	2/24	224	4370	679.0	869.4	
Top slab / Deck	10	T20	1	112	112	13300	1489.6	3673.4	
	11	T12	1	150	150	14500	2175.0	1931.4	
	12	T20	1	112	112	11700	1310.4	3231.4	
Starter bars for Footwalk	13	T10	2	3	6	11100	66.6	41.1	
	14	T10	2	48	96	1705	163.7	101.0	
Drop wall	15	T10	2	18	36	15100	543.6	335.4	
	16	T10	2	102	204	9720	756.9	488.2	
	17	T16	4	18	72	9880	279.36	440.8	
	18	T12	4	18	72	3660	263.5	234.0	
	19	T12	4	19	76	3635	291.4	258.6	
	20	T12	4	16	64	3835	245.4	217.95	
	21	T16	4	3	12	3720	44.6	70.4	
Wing wall	22	T12	4	18	72	1925	138.6	123.1	
	23	T12	4	2	8	2700	21.6	19.2	
	24	R6	2	98	196	5300	103.9	23.1	
Corbel for approach slab	25	R6	2	2	4	9840	39.4	8.7	
	26	T10	2	6	12	9640	115.7	71.4	
Cover slab (75mm thick) R/F for 1 no.	27	T12	2	65	130	1915	249.0	221.1	
	28	R6	1	4	4	380	1.5	0.3	

NOTE: This R/F schedule is indicative only. The contractor shall be responsible for producing his own R/F schedule.



**BATTICALOA THIRUKKONDIYADIMADU TRINCOMALEE ROAD.(A - 015)**  
Br.No. 108/3 km. (RE -CONSTRUCTION)

**R/F DETAILS**

REV.	DESCRIPTION	BY	DATE

**MINISTRY OF HIGHWAYS - SRI LANKA**  
**ROAD DEVELOPMENT AUTHORITY**

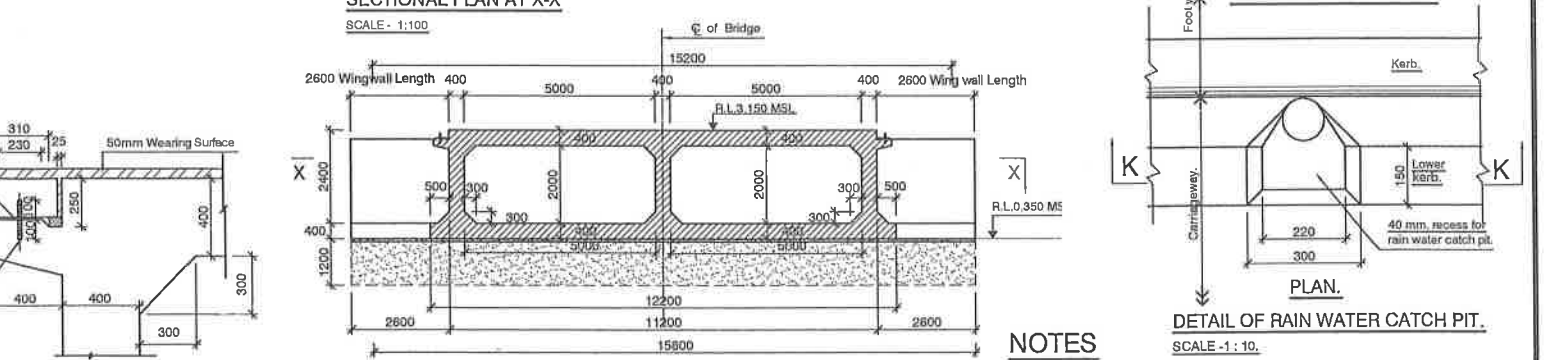
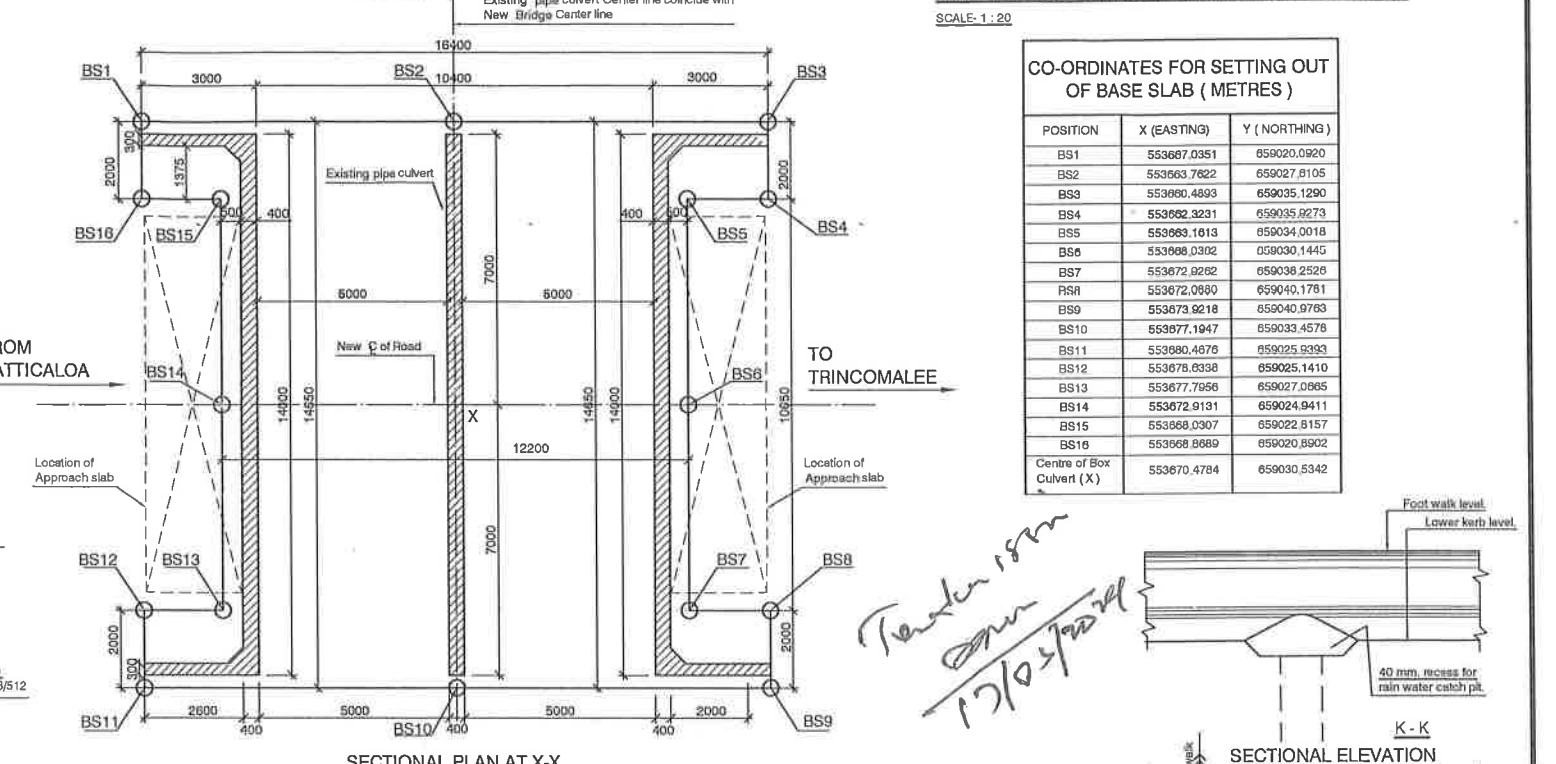
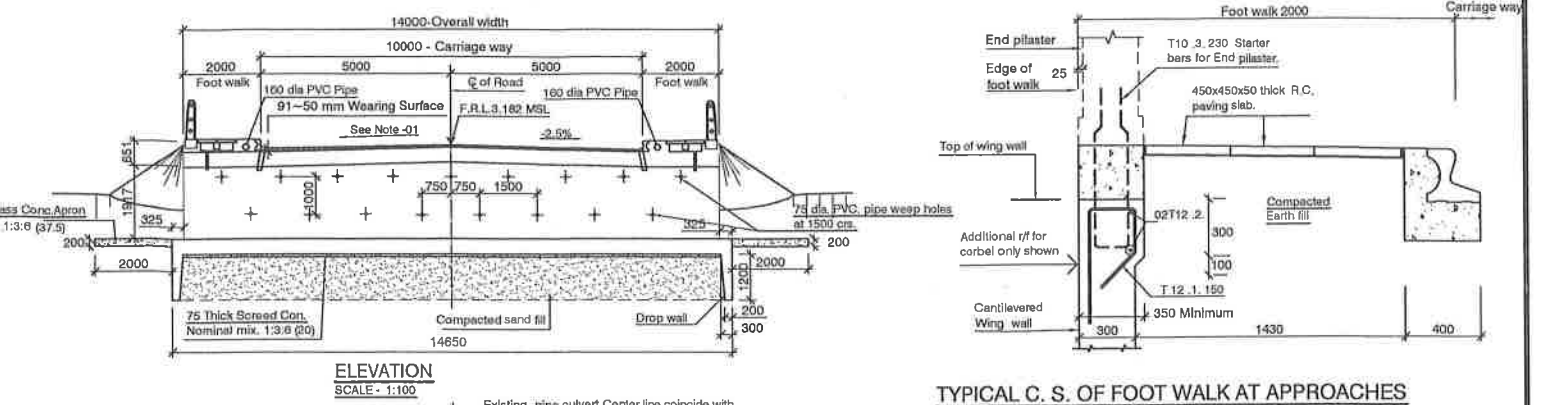
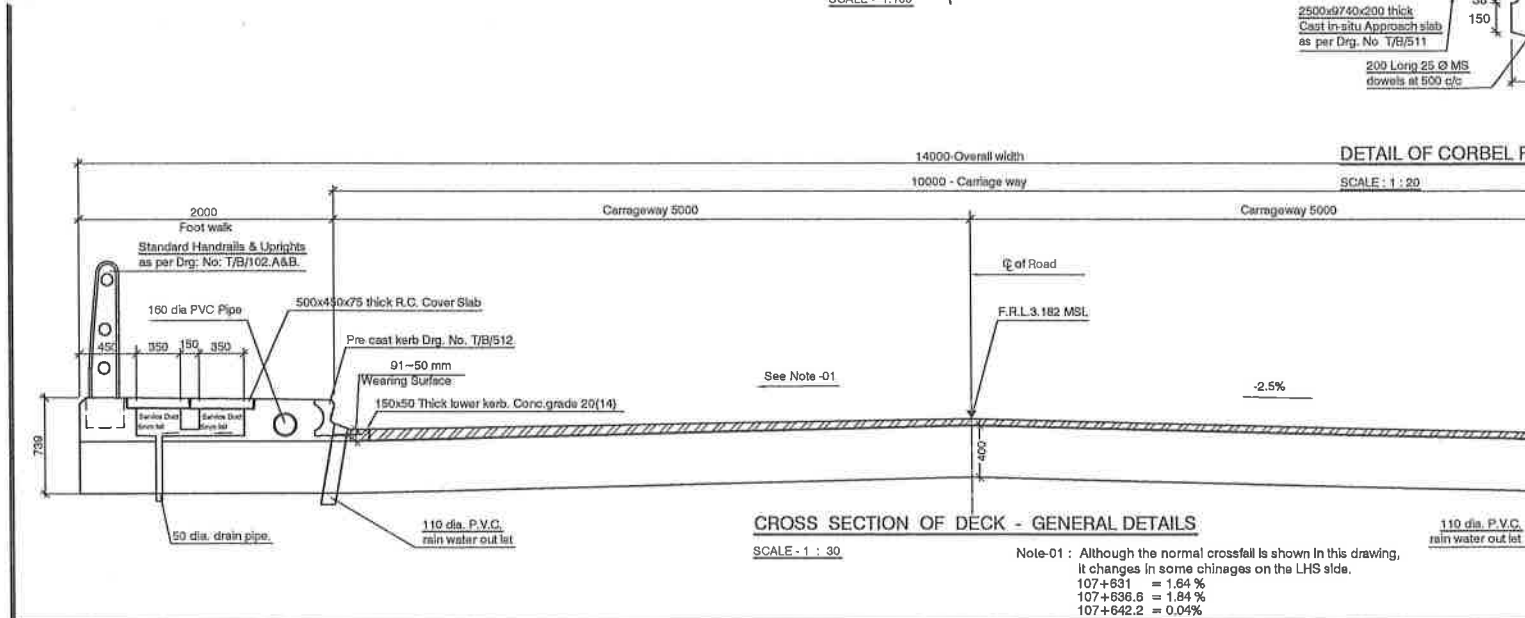
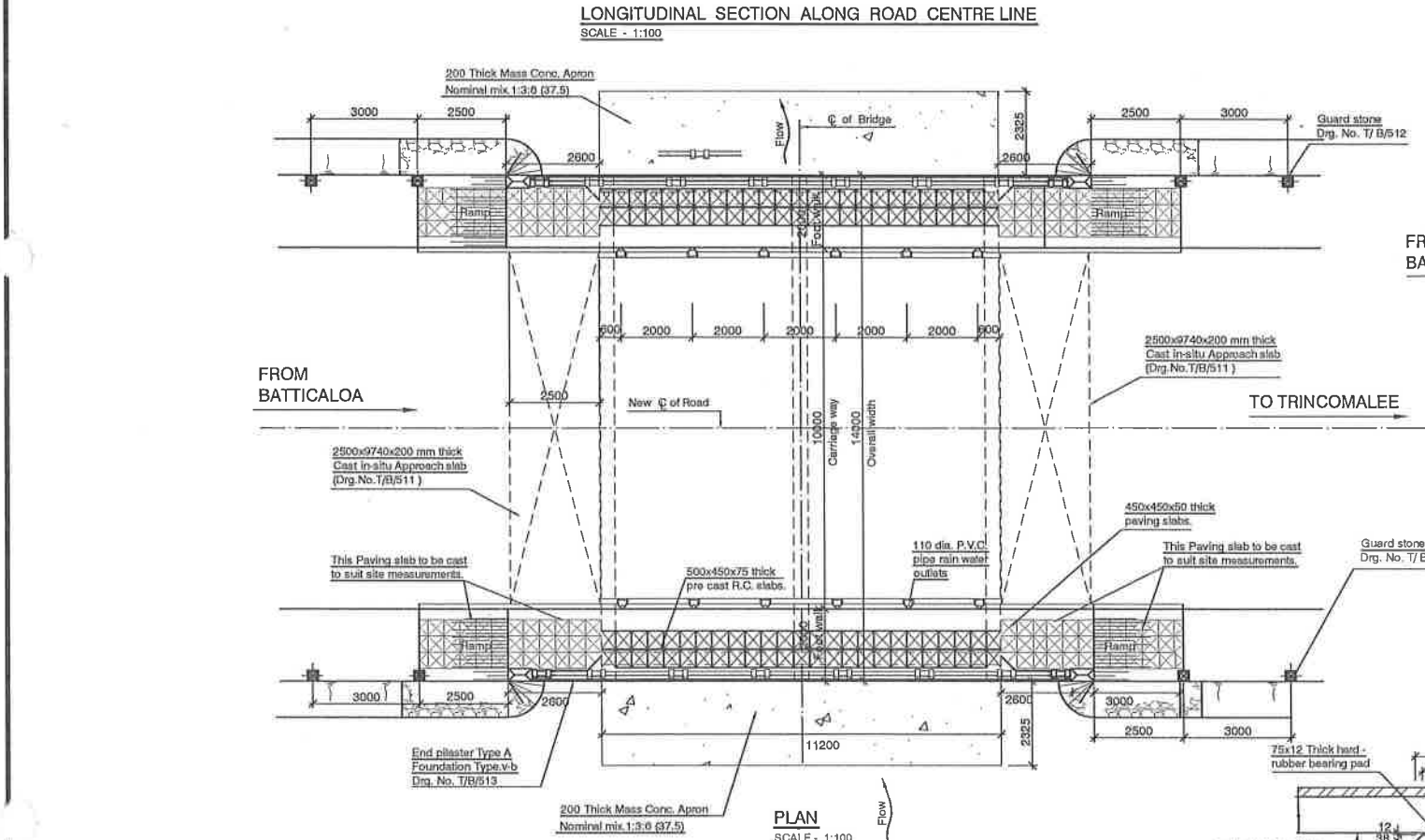
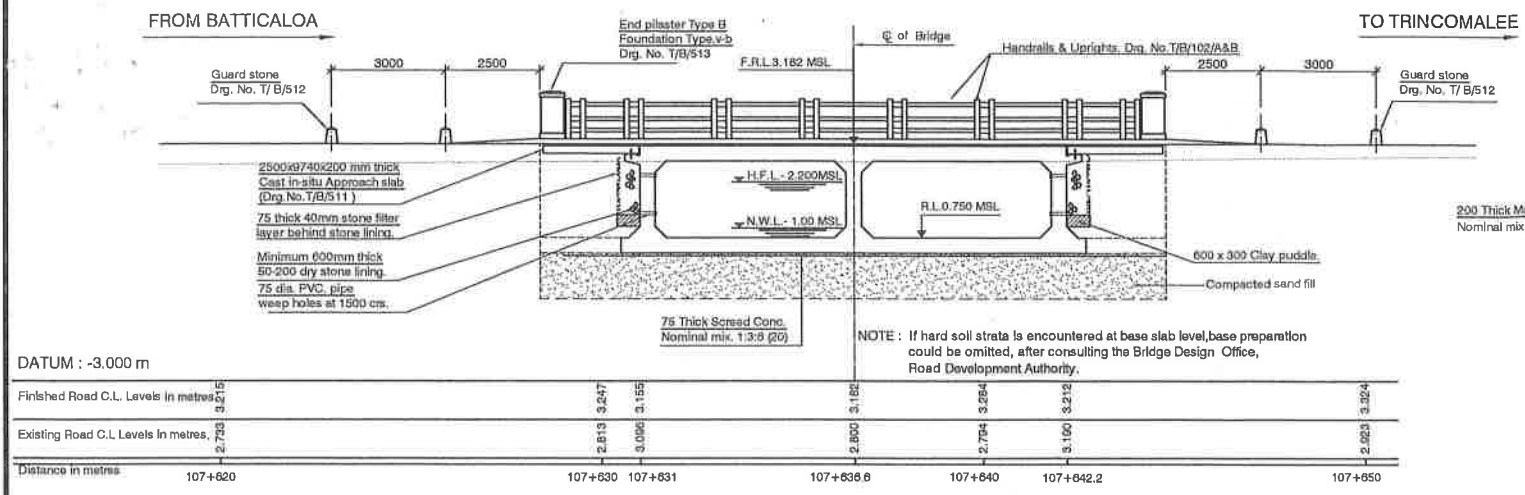
DESIGNED : T. Ramachandran  
DRAWN : K.A.S. Ekanayake  
CHECKED : XXXXX  
FILE NO. : SP-98  
DRG. NO. : EP/B/14/4/4

SENIOR ENGINEER - DESIGN  
ADDITIONAL DIRECTOR - BRIDGE DESIGN

BRIDGE DESIGNS OFFICE  
MAGANEGUMA MAHAMEDURA  
BATTARAMULLA

DEPUTY DIRECTOR GENERAL (E.D.)  
ADDITIONAL DIRECTOR GENERAL (E.S.)  
FOR DIRECTOR GENERAL





- NOTES**
- All dimensions are in millimetres unless otherwise stated.
  - This drawing to be read in conjunction with Drg. Nos. EP/B/1474-2 and Standard Specifications for Construction and Maintenance of Roads and Bridges.
  - Dimensions shall not be obtained by scaling.
  - Any discrepancies in the contract drawings shall be referred to the Engineer for revisions before proceeding with work.
  - Any setting out dimensions shown on drawing shall be verified.
  - All workmanship and materials are to be in accordance with the requirements of the specifications and by laws of the authority.
  - Additional weep holes are to be provided if necessary to suit site condition.
  - If hard soil strata is encountered at base slab level, base preparation could be omitted, after consulting the Bridge Design Office, Road Development Authority.
  - The height of the structure shall be suitably adjusted by keeping maximum height shown here in.
  - Top slab thickness is constant throughout the Bridge.
  - Maximum Design bearing Pressure 100 kN/m<sup>2</sup>.
- DRG. INDEX-**
- |                         |               |
|-------------------------|---------------|
| 1. Site Plan            | - EP/B/1474/1 |
| 2. Longitudinal Section | - EP/B/1474/2 |
| 3. General Details      | - EP/B/1474/3 |
| 4. R/F Details          | - EP/B/1474/4 |

**BATTICALOA THIRUKKONDIYADIMADU TRINCOMALEE ROAD.(A - 015)**  
Br.No. 108/3 km. (RE -CONSTRUCTION)

**GENERAL DETAILS**

REV.	DESCRIPTION	BY	DATE

**MINISTRY OF HIGHWAYS - SRI LANKA**  
**ROAD DEVELOPMENT AUTHORITY**

DESIGNED : T.Ramachandran  
 DRAWN : K.A.G. Sumanasekera  
 CHECKED :  
 FILE NO. : EP-38  
 DRG. NO. : EP/B/1474/3

BRIDGE DESIGNS OFFICE  
 \*MAGANEGUMA MAHAMEDURA  
 BATTARAMULLA

DEPUTY DIRECTOR GENERAL (S.D.)  
 ADDITIONAL DIRECTOR GENERAL (F.S.)  
 FOR DIRECTOR GENERAL