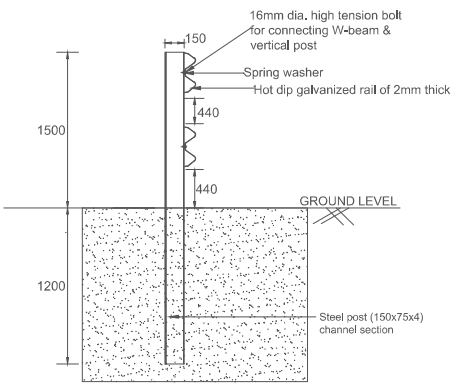
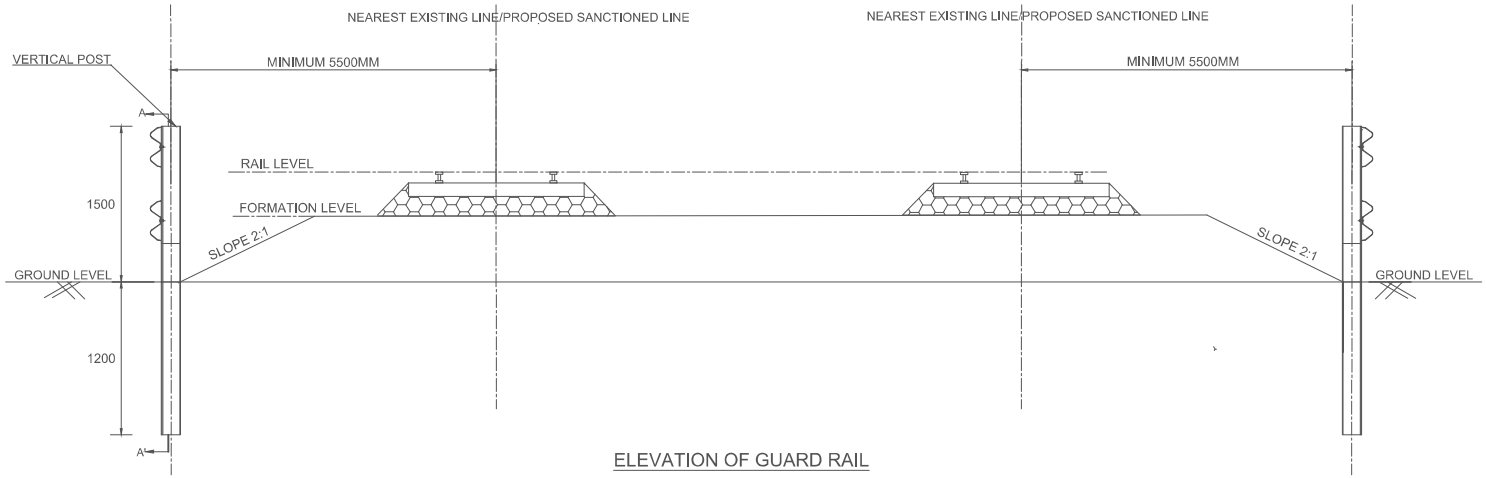
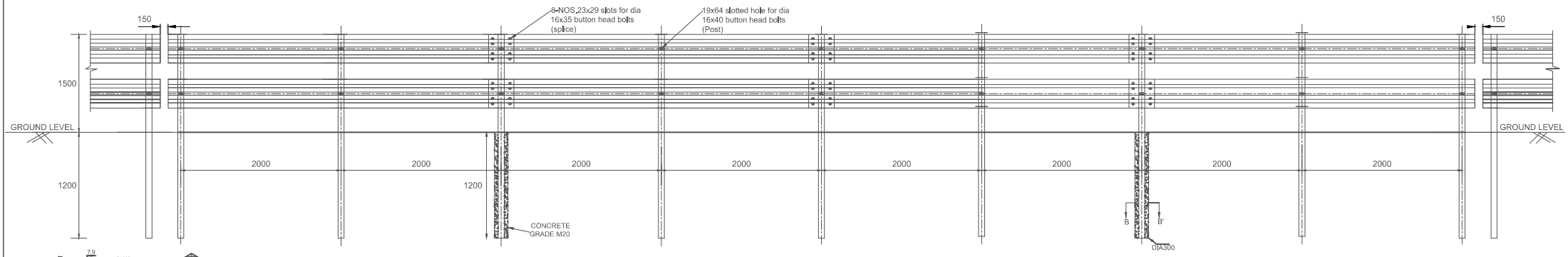
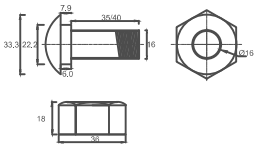




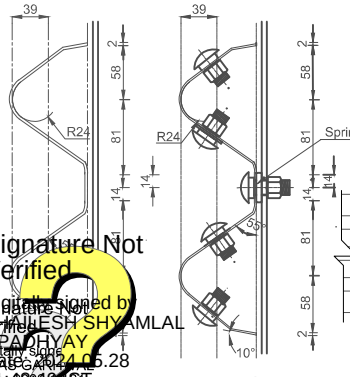
ELEVATION OF GUARD RAIL

DETAILS OF POST

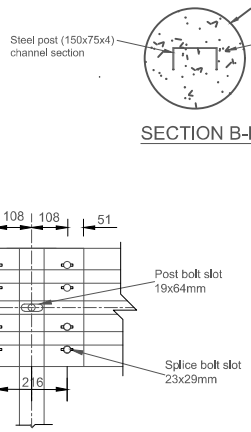




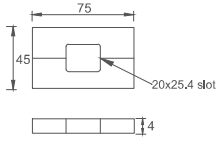
SPLICE/POST BOLT AND NUT(ALT.1(a))



BOLT NUT ASSEMBLY (ALT.-1(a))



BEAM SPLICE



SPLICE WASHER

SECTION OF W-BEAM

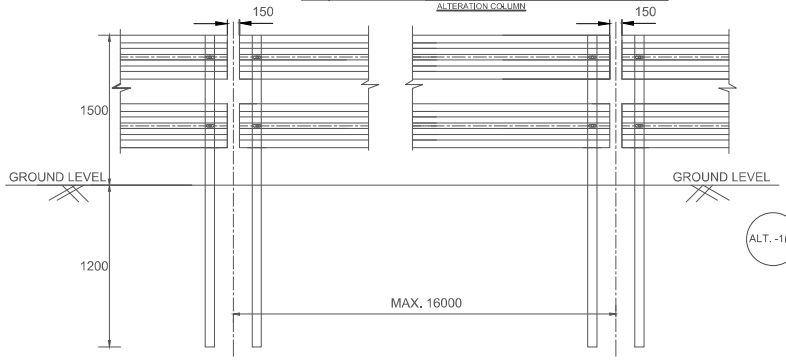
SECTION B-B'

SECTION A-A'
(TYPICAL ARRANGEMENT FOR 16M LENGTH)

Sr.No.	DESCRIPTION	Signature block		
1.	ALT. -1(a) TYPICAL DETAIL OF BOLT, NUT & THEIR ARRANGEMENT ALT. -1(b) NOTE NO. 12 ADDED & NOTE NO. 3 DELETED	DYCE-DESIGN-CCG	HIMANSHU SHARMA	Digitally signed by HIMANSHU SHARMA Date: 2022.11.30 18:06:49 +05'30'
		XEN-DESIGN-CCG	TANUJ GUPTA	Digitally signed by TANUJ GUPTA Date: 2022.11.30 18:23:03 +05'30'
		SSE-DESIGN-III-CCG	SHAILESH SHEKHAR SHETTY	

ALTERATION COLUMN

ALT. -1(b)



ALT. -1(b)

TYPICAL ARRANGEMENT "A"
ELECTRICAL ISOLATION AT EVERY 16M

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE.
2. ALL PUNCHING DIMENSIONS UNLESS OTHERWISE STATED ± 1MM.
3. ~~FOR GUARD RAIL BEAMS, POSTS & SPACER MATERIAL SHALL CONFORM TO IS:1079, GRADE-II, IS:808, IS: 2062 & IS 5986.~~
4. THE OVER LAPPING OF THE GUARD RAIL BEAM SHALL BE ACHIEVED USING SUITABLE SIZE WASHERS.
5. W-BEAM GUARD RAIL ARE TO BE FABRICATED & INSTALLED AS PER SECTION 811 OF MORTH SPECIFICATION FOR METAL BEAM CRASH BARRIER.
6. THE 'W' BEAM, THE POST, THE FASTENERS SHALL BE GALVANIZED AS PER IS 4759 BY HOT DIP PROCESS(ZINC COATED WITH 0.55 KG/ PER SQUARE METER, MINIMUM, SINGLE SPOT).
7. THE GALVANIZING ON ALL OTHER STEEL PARTS SHALL CONFORM TO IS: 4759.
8. MINOR VARIATION IN C/C DISTANCE OF POST & DEPTH BELOW GROUND AS PER SITE CONDITION MAY BE APPROVED BY ENGINEER REPRESENTATIVE/ENGINEER-INCHARGE.
9. DRILLING FOR CONCRETING OF TWO PILLAR IN TYPICAL 16 PILLAR ARRANGEMENT AS SHOWN IN SECTION A-A' SHALL BE DONE BY AUGER BORING.
10. ARRANGEMENT OF FIXING OF BEAM & PILLAR SHOULD BE MADE ANTI-THEFT.
11. GAP OF 150MM TO BE PROVIDED AT 16M FOR ELECTRICAL ISOLATION AS SHOWN IN TYPICAL ARRANGEMENT "A".THE LENGTH MAY VARY AS PER SITE CONDITIONS SUBJECT TO MAXIMUM OF 16M.
12. GRADE OF STEEL FOR W- BEAM SHOULD BE OF IS 5986 GRADE -205 OR EQUIVALENT AND GRADE OF STEEL FOR CHANNEL SECTION POSTS SHOULD BE OF IS 5986 GRADE-355 OR EQUIVALENT.

TYPICAL DETAIL OF
W-BEAM TYPE METAL FENCING

PED/CE(P) RB	ATUL B KHARE	
DIR CE(PLG.) RB	PRADEEP NAGAR	Digitally signed by PRADEEP NAGAR Date: 2022.11.22 19:23:53 +05'30'
DYCE-DESIGN-CCG WR	HIMANSHU SHARMA	Digitally signed by HIMANSHU SHARMA Date: 2022.11.22 11:00:52 +05'30'
XEN-DESIGN-CCG WR	TANUJ GUPTA	Digitally signed by TANUJ GUPTA Date: 2022.11.22 10:55:45 +05'30'
SSE-DESIGN-CCG WR	SHAILESH SHEKHAR SHETTY	Digitally signed by SHAILESH SHEKHAR SHETTY Date: 2022.11.22 19:49:08 +05'30'

DRG NO. TP BR- 95 / 2022-RB/**(R)**

Signature Not Verified
Digitally signed by SHAILESH SHYAMLAL UPADHYAY
Date: 2024.05.28 16:48:29 IST
Reason: APPROVED
Location: New Delhi