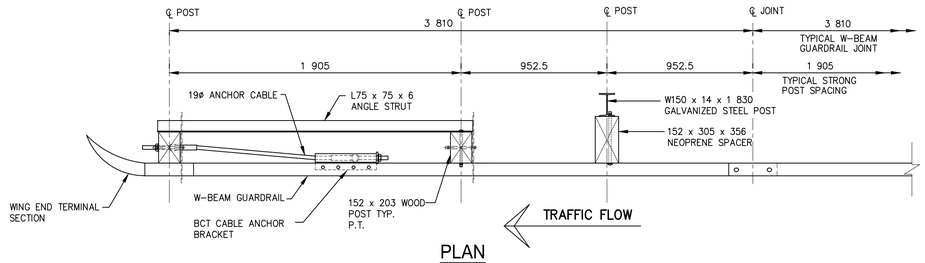
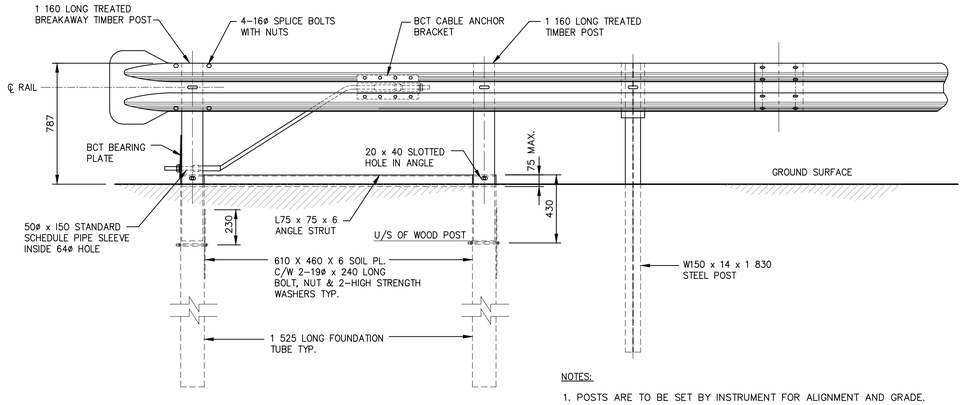


PLAN

SCALE: 1:20

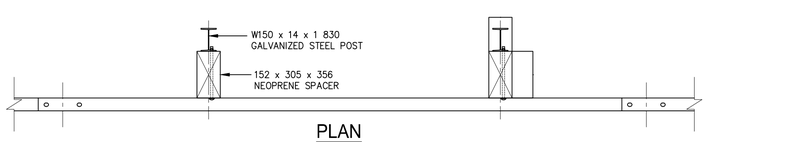


CABLE ANCHOR TERMINAL ELEVATION

SCALE: 1:20

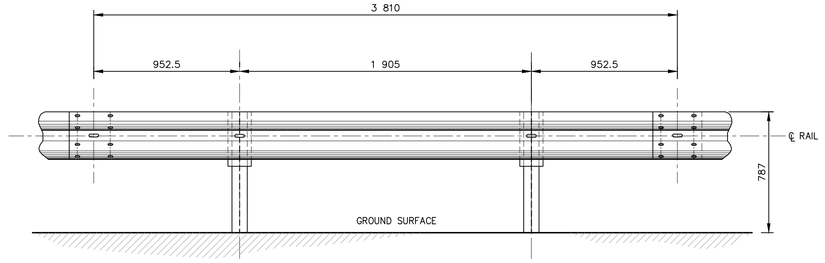
NOTES:

1. POSTS ARE TO BE SET BY INSTRUMENT FOR ALIGNMENT AND GRADE.
2. BCT CABLE ANCHOR HARDWARE SHALL CONFORM TO AASHTO TASK FORCE 13 REPORT 'A GUIDE TO STANDARDIZED HIGHWAY BARRIER HARDWARE'.
3. LAP ALL GUARDRAIL SECTIONS IN THE DIRECTION OF TRAFFIC FLOW.
4. ALL REQUIRED FITTINGS AND HARDWARE SHALL BE GALVANIZED.
5. CABLE ANCHOR TO BE TIGHTENED DURING INSTALLATION TO TAKE OUT ANY SLACK.



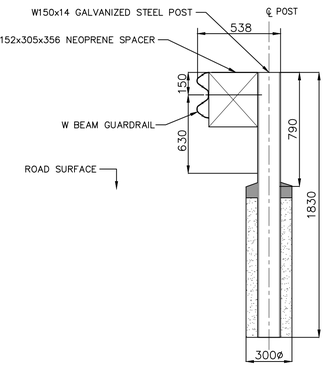
PLAN

1:20



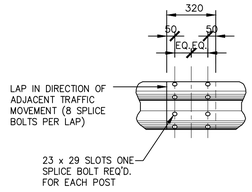
ELEVATION

1:20



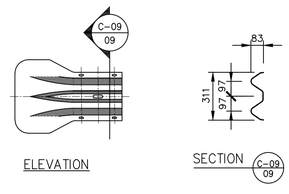
POST SPACER DETAILS

1:20



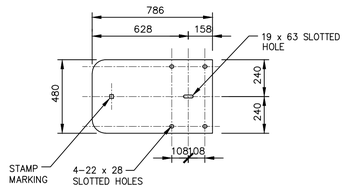
RAIL SPLICE DETAIL

1:20

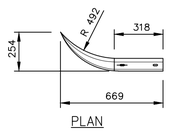


ELEVATION

SECTION



BLANK LAYOUT

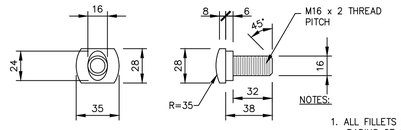


PLAN

THICKNESS OF STEEL= 2.82mm AFTER GALVANIZING

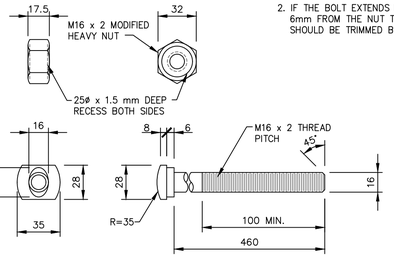
W-BEAM GUARDRAIL END SECTION

1:20

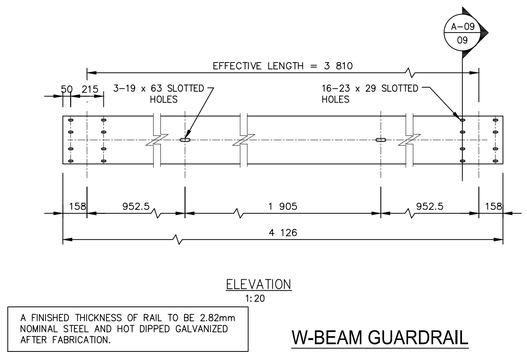


NOTES:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 2mm.
2. IF THE BOLT EXTENDS MORE THAN 6mm FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

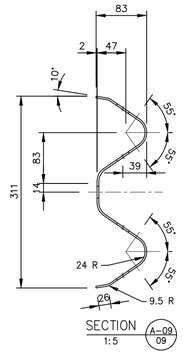


GUARDRAIL BOLT AND RECESSED NUT



ELEVATION

1:20

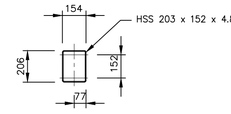


SECTION

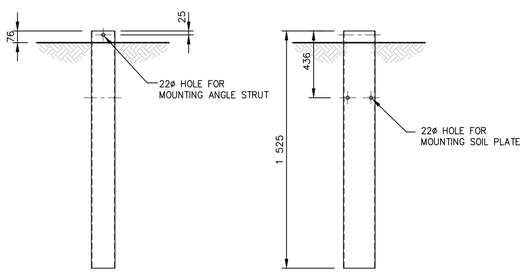
1:5

A FINISHED THICKNESS OF RAIL TO BE 2.82mm NOMINAL STEEL AND HOT DIPPED GALVANIZED AFTER FABRICATION.

W-BEAM GUARDRAIL



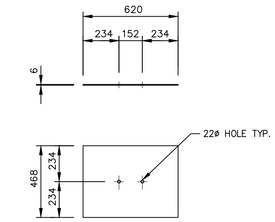
PLAN



FRONT ELEVATION SIDE ELEVATION

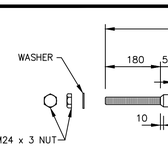
CABLE ANCHOR TERMINAL FOUNDATION TUBE

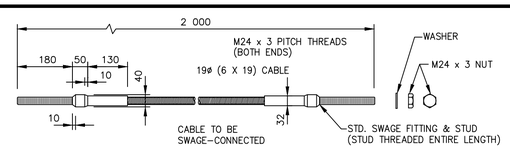
1:20



CABLE ANCHOR TERMINAL FOUNDATION TUBE SOIL PLATE

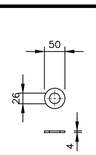
1:20



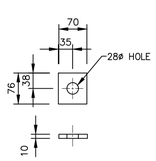


BCT CABLE ANCHOR ASSEMBLY

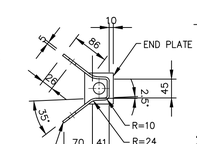
1:10



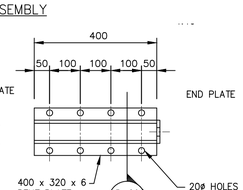
WASHER

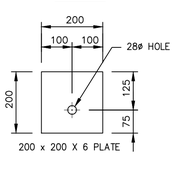


END PLATE N.T.S.



SECTION N.T.S.





1:10

W-BEAM CABLE ANCHOR TERMINAL HARDWARE

NOTE:
These design documents are prepared solely for the use by the party with whom the design professional has entered into a contract and there are no representations of any kind made by the design professional to any party with whom the design professional has not entered into a contract.

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
WSP Canada Inc.
No. 5750

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

FOR TENDER PURPOSES ONLY

NOT FOR CONSTRUCTION

LOCATIONS APPROVED UNDERGROUND STRUCTURES

SIGNED BY:

SUPV. U/G STRUCTURES DATE

LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING

G.B.M. BOLT ON LAMP STANDARD SW CORNER RIVER ROAD AND ABINOJII MIKANAH
ELEV. 231.926

NO.	REVISIONS	DATE	BY
7			
6			
5			
4			
3			
2			
1			
0	ISSUED FOR TENDER	2025/03/24	KG

WSP Canada Inc.
1600 Buffalo Place
Winnipeg, MB R3T 6B8
t. 204.477.6650
f. 204.474.2864
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HOR. SCALE	1:500	RELEASED FOR CONSTRUCTION	----
VERTICAL	N/A		
DATE		DATE	----

ENGINEER'S SEAL

CONSULTANT ACAD DWG. NO.
CA0013525.0407-109

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES DIVISION

ABINOJII MIKANAH WESTBOUND - RUBBLIZATION AND MILL & FILL
GUARDRAIL DETAILS

CITY DRAWING NUMBER P-3592-09
SHEET 09 OF 25
TENDER NO. 166-2025

Mar 24, 2025 – 12:44pm
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