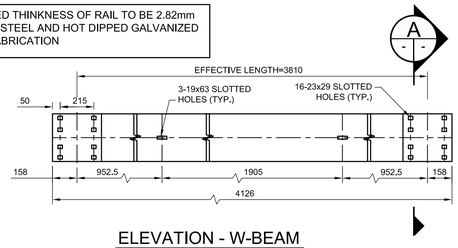
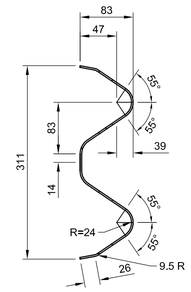
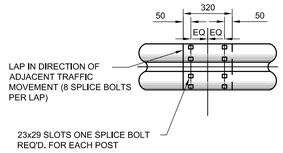
A FINISHED THINKNESS OF RAIL TO BE 2.82mm NOMINAL STEEL AND HOT DIPPED GALVANIZED AFTER FABRICATION



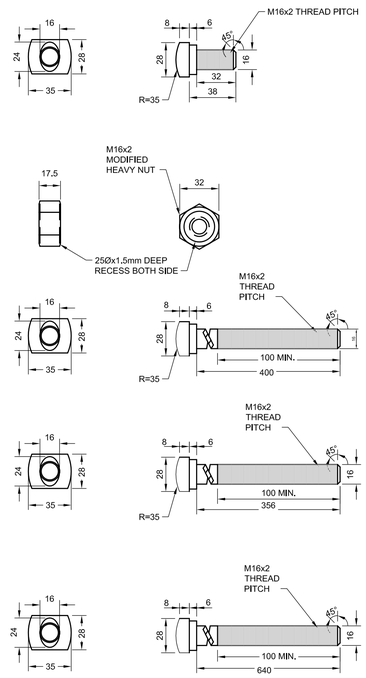
ELEVATION - W-BEAM
1:20



A SECTION
1:5

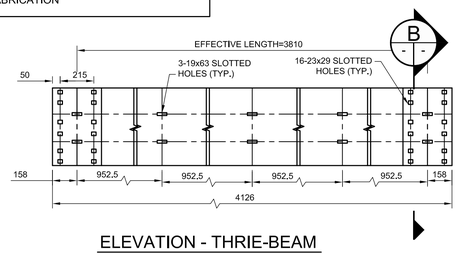


RAIL SPLICE DETAIL
1:20

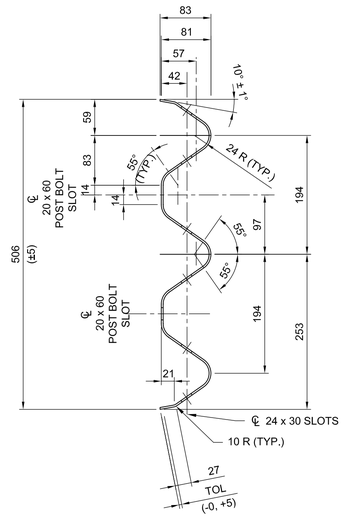


GUARDRAIL BOLT AND RECESSED NUT
1:2.5

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

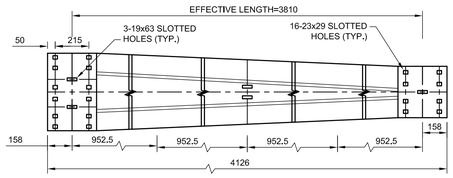


ELEVATION - THRIE-BEAM
1:20

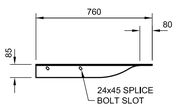


B SECTION
1:5

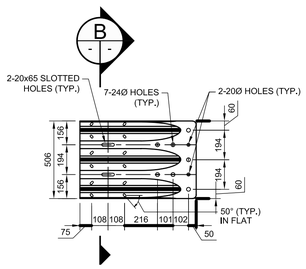
A FINISHED THINKNESS OF RAIL TO BE 2.82mm NOMINAL STEEL AND HOT DIPPED GALVANIZED AFTER FABRICATION



ELEVATION - TRANSITION-BEAM
1:20



PLAN - THRIE-BEAM TERMINAL CONNECTOR
1:20



ELEVATION - THRIE-BEAM TERMINAL CONNECTOR
1:20

APEGM
Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 **Date:** 2013/08/01

UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE — DATE

NOTE:
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 WITH CONSTRUCTION.

B.M.
ELEV.

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	13/08/08	MBL

DESIGNED BY
DRAWN BY MRD
CHECKED BY
APPROVED BY
HOR. SCALE AS SHOWN
VERTICAL
DATE 2013/08/01

DILLON CONSULTING

RELEASED FOR CONSTRUCTION
DATE

ENGINEER'S SEAL

ENGINEER'S SEAL
N/A

CONSULTANT PROJECT NUMBER
12-6606

Winnipeg
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

WAVERLEY WEST ARTERIAL ROADS PROJECT (WWARP) PART 3 - CONTRACT 2
ROUTE 90 TO ROUTE 165, OVERPASS (KENASTON BLVD.) AND ASSOCIATED WORKS

APPROACH GUARDRAIL DETAILS 2 OF 2

CITY DRAWING NUMBER
B242-13-54

SHEET 54 OF 128

CONSULTANT DRAWING NUMBER

G:\CAD\126606\Contract\contract_2\Current\Struct_Approach Guardrail Details 3 of 5.dwg