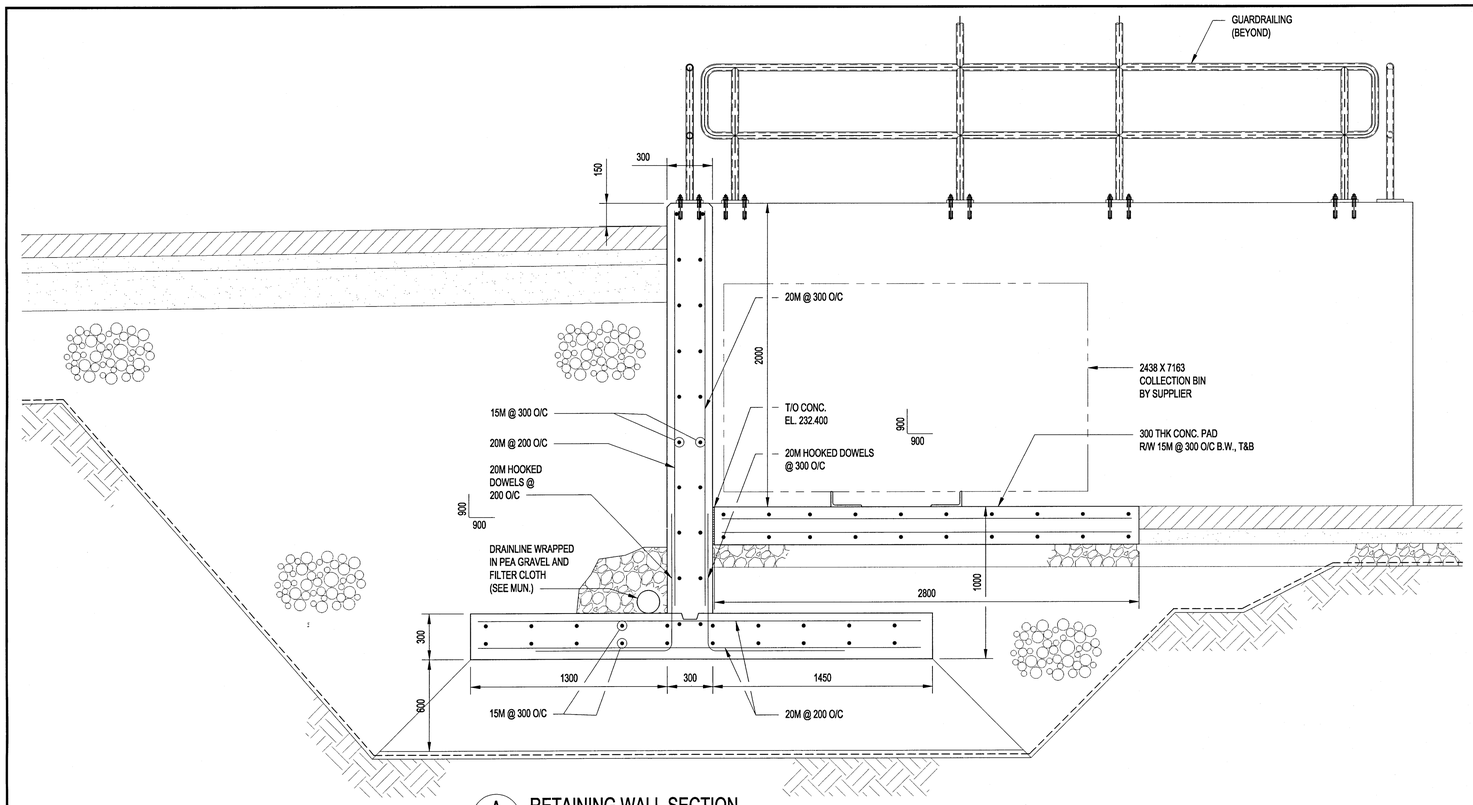
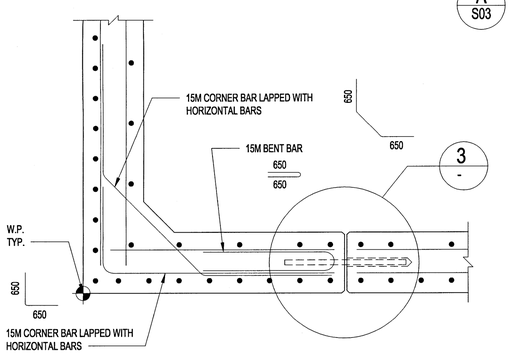
GENERAL NOTES:

1. ALL EXTERIOR STEEL ELEMENTS TO BE GALVANIZED.



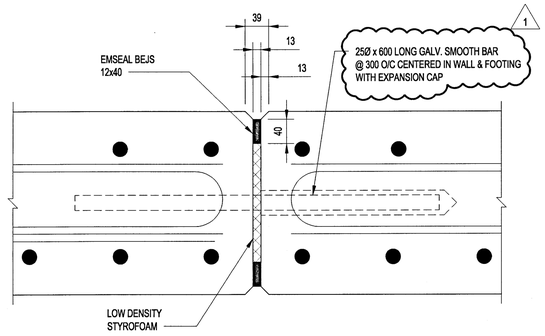
A / S03 **RETAINING WALL SECTION**

SCALE: 1:20



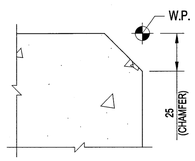
1 / S03 **DETAIL**

SCALE: 1:10



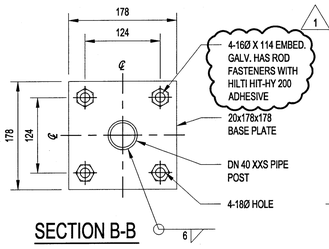
3 / - **EXPANSION JOINT DETAIL**

SCALE: 1:5



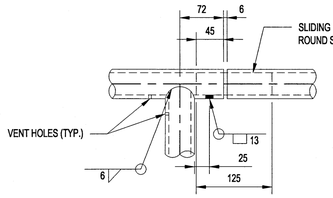
4 / - **DETAIL**

SCALE: 1:2



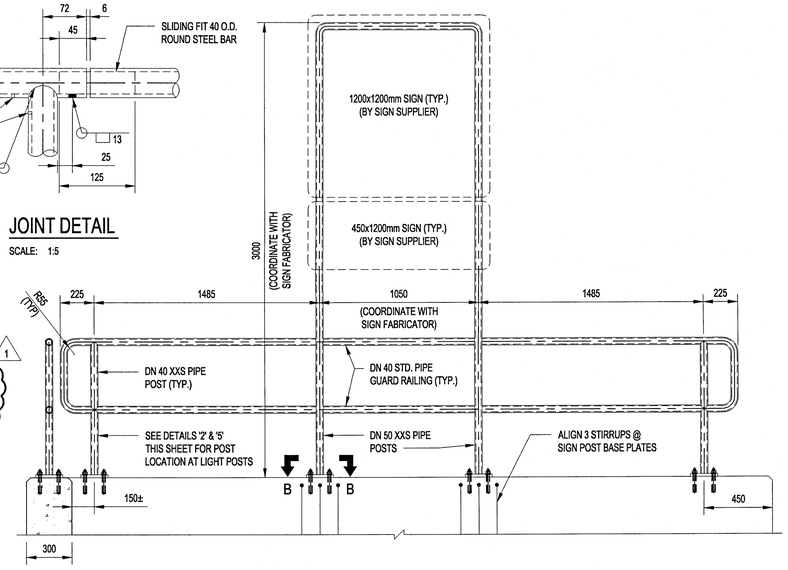
SECTION B-B

SCALE: 1:5



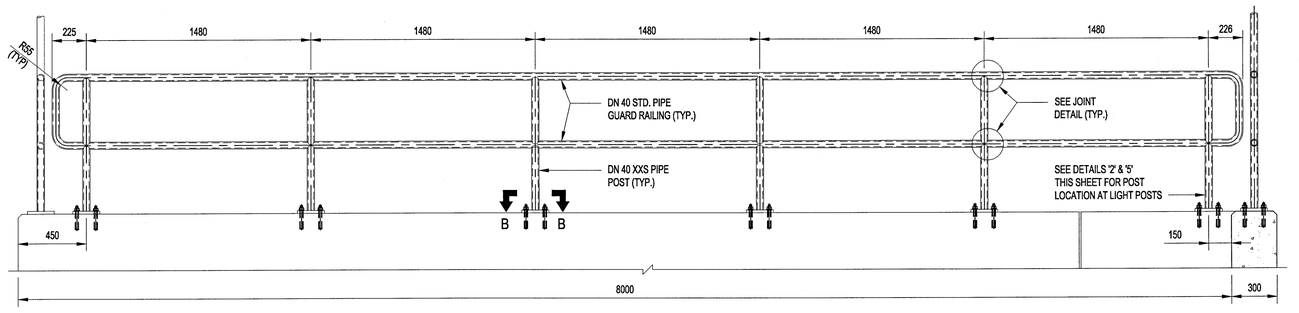
JOINT DETAIL

SCALE: 1:5



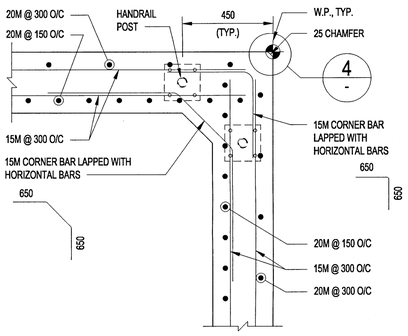
GUARD RAILING ELEVATION - SHORT WALL

SCALE: 1:20



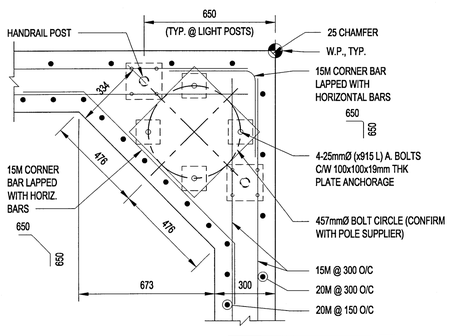
GUARD RAILING ELEVATION - LONG WALL

SCALE: 1:20



2 / S03 **DETAIL**

SCALE: 1:10



5 / S03 **DETAIL**

SCALE: 1:10

NOTES:
TYPICAL AT 5 LOCATIONS. COORDINATE WITH ELECTRICAL.

FOR CAMERA POLES, REPLACE 25mm ANCHOR BOLTS WITH 19mmØ ANCHOR BOLTS. LAYOUTS TO SUIT POLE BASE PLATE.

LOCATION APPROVED
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.

NO.	REVISIONS	DATE	BY
	B.M. ELEV.		
1	RE-ISSUED FOR TENDER	17/04/27	DJP
0	ISSUED FOR TENDER	17/03/29	DJP

KGS GROUP CONSULTING ENGINEERS

DESIGNED BY	DJP	CHECKED BY	CMS
DRAWN BY	JAR	APPROVED BY	DJP
HOR. SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION:	
VERTICAL:	AS NOTED	DATE	
DATE	16/08/11		

ENGINEER'S SEAL

PROVINCE OF MANITOBA — D.J. PETRAK — 27 Member 2017 — REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
16-0107-010

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

PROJECT TITLE
4R WINNIPEG DEPOT
EAST WINNIPEG COMMUNITY RESOURCE RECOVERY CENTRE

RETAINING WALL SECTIONS AND DETAILS

SHEET 20 OF 41

COMPUTER FILE NAME
16-0107-010

CONSULTANT DRAWING NUMBER
S04

16-0107-010\16-0107-010_S03.dwg