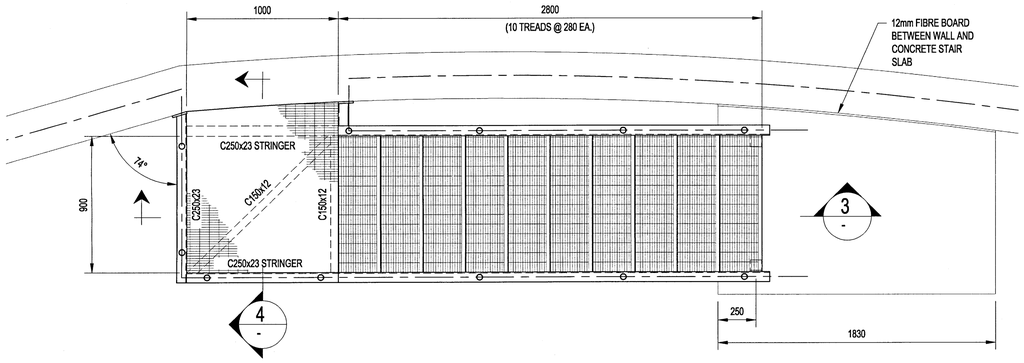
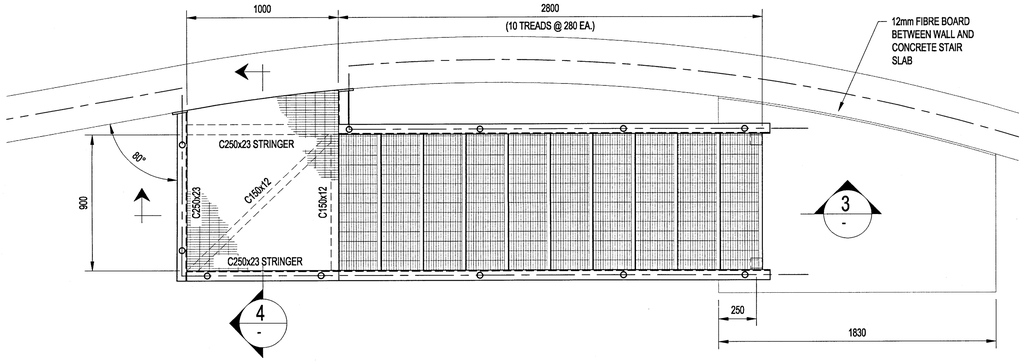
GENERAL NOTES:

1. ALL EXTERIOR STEEL ELEMENTS TO BE GALVANIZED.
2. STEEL STAIR DETAILING AND CONNECTIONS TO CONCRETE RETAINING WALL BY MISCELLANEOUS METAL DESIGNER.



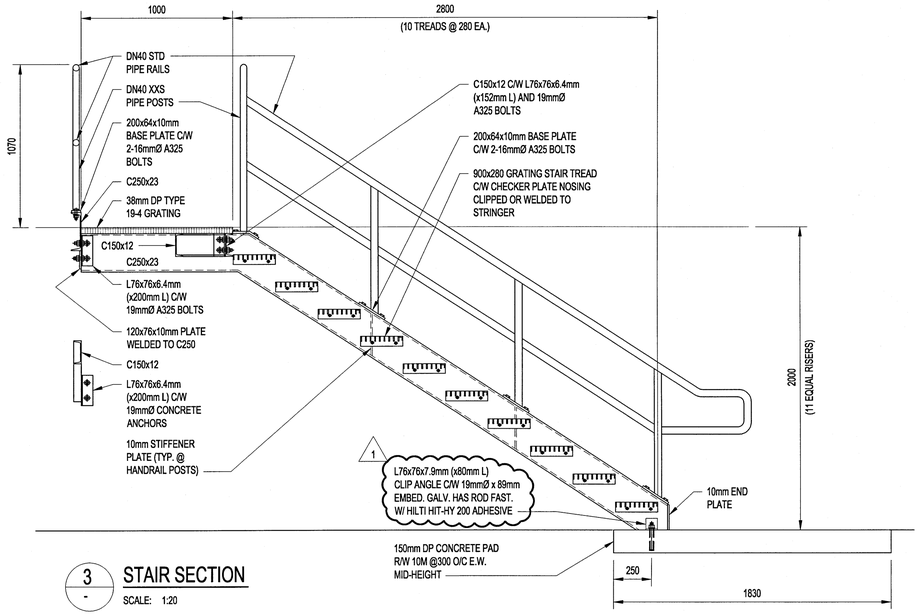
1 - RETAINING WALL STAIR PLAN
SCALE: 1:20

DESIGN LOADS FOR STAIR:
LIVE LOAD - 4.8 kPa
DEAD LOAD - 1.0 kPa

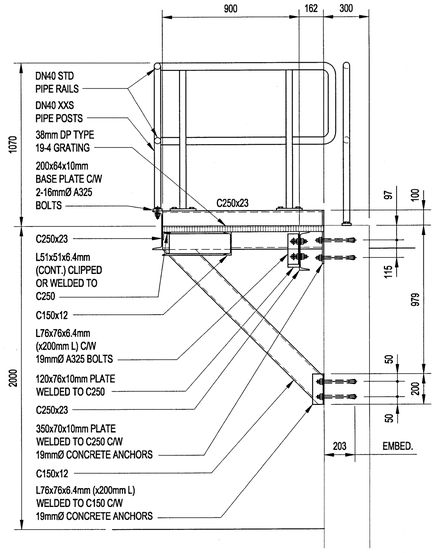


2 - RETAINING WALL STAIR PLAN
SCALE: 1:20

DESIGN LOADS FOR STAIR:
LIVE LOAD - 4.8 kPa
DEAD LOAD - 1.0 kPa



3 - STAIR SECTION
SCALE: 1:20



4 - STAIR SECTION
SCALE: 1:20

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.

B.M. ELEV.

NO.	REVISIONS	DATE	BY
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	MBB	APPROVED BY	DJP
HOR. SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION:	
VERTICAL:	AS NOTED		
DATE	17/02/15	DATE	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
D.J. PETRAK
Member
24052
17 APR 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 STAIR DETAILS

SHEET 21 OF 41
COMPUTER FILE NAME 16-0107-010
CONSULTANT DRAWING NUMBER S05

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