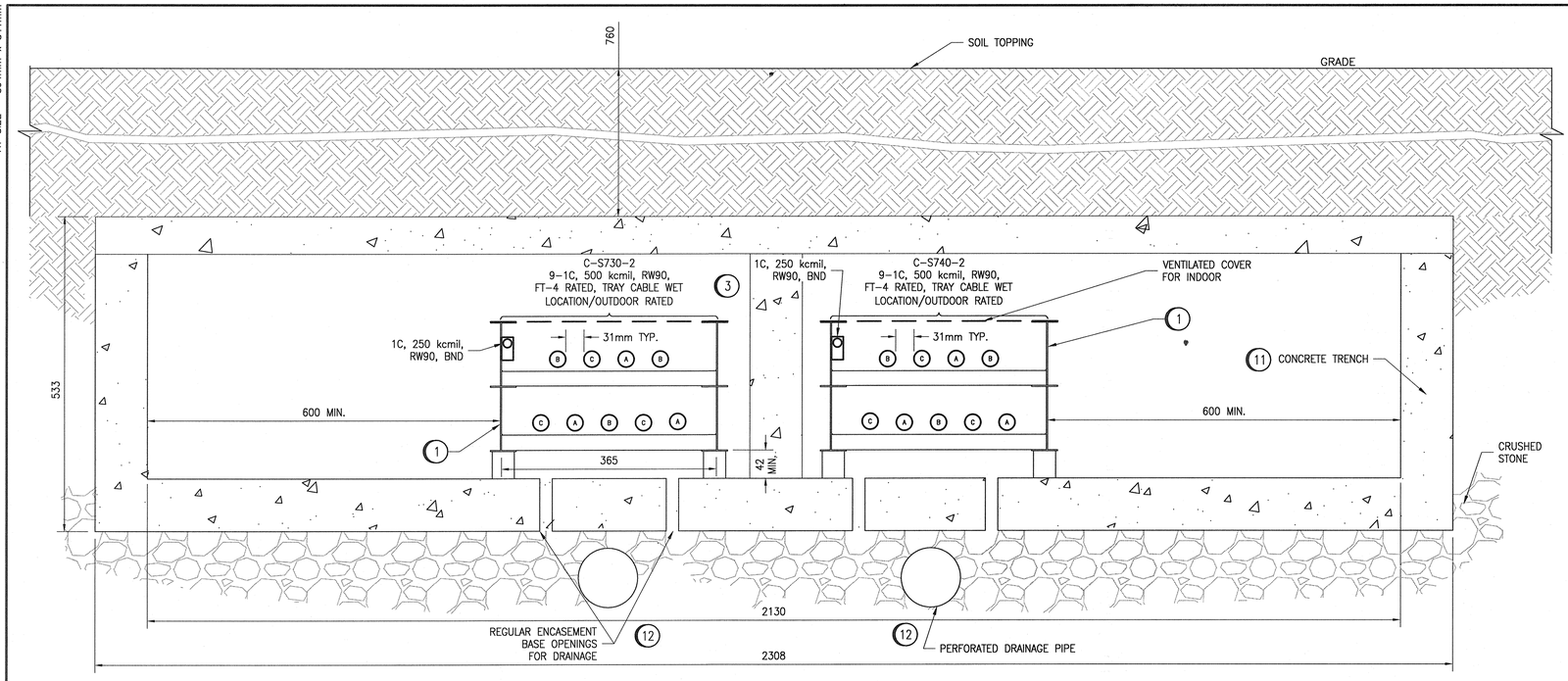
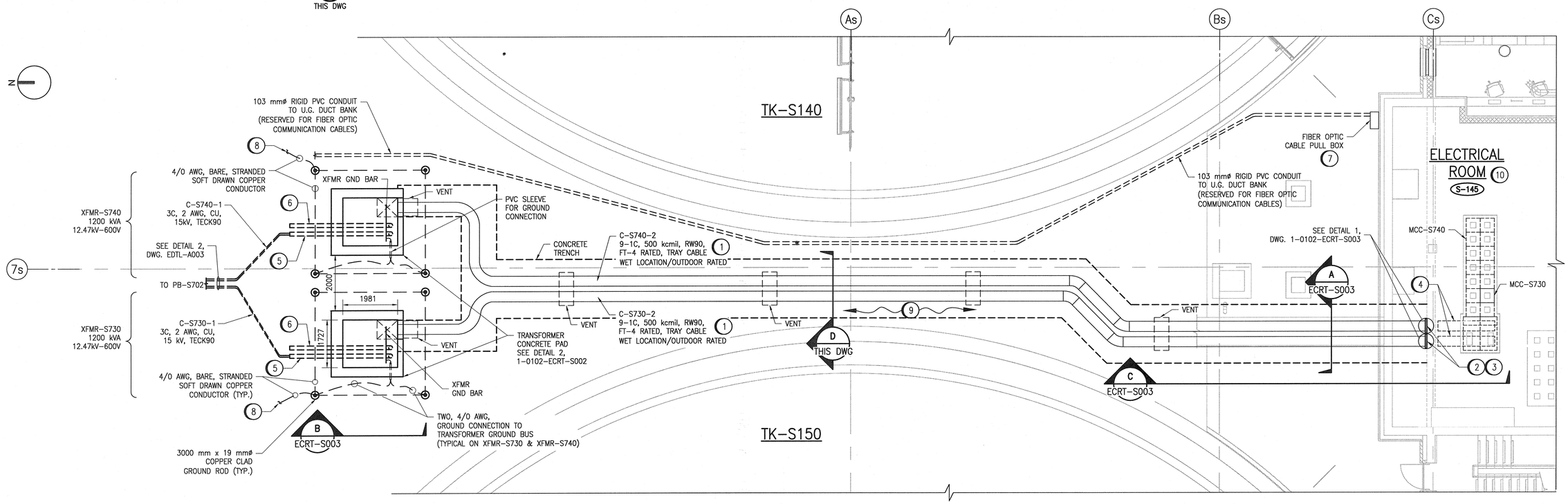
A1 SIZE – 594mm x 841mm



D SECTION – CABLE BUS BELOW GRADE

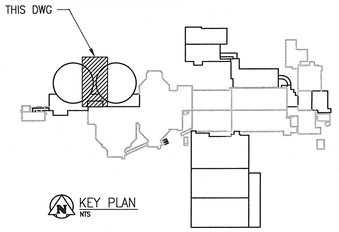
THIS DWG

NTS



GENERAL NOTES

1. REFER TO TECHNICAL SPECIFICATION 26 25 01 FOR DETAILS ON MAXIAMP CABLE BUS TRENCH.
2. ALL DIMENSIONS SHOWN AS APPROXIMATE AND SHALL BE COORDINATED/DETERMINED BY THE CONTRACTORS.
3. PROVIDE ROXTEC WEATHERPROOF SEALS FOR ALL CABLE / CONDUIT ENTRY INTO THE BUILDING.



SPECIFIC NOTES:

1. PROVIDE MAXIAMP CABLE BUS SYSTEM. DETAILS ON ECRT–S003.
2. PROVIDE ROXTEC CABLE SEALS AS SHOWN. ENSURE CABLE SEALS ARE APPROPRIATELY SIZED FOR THE CABLES SUPPLIED.
3. FOR EACH FRAME, CONSTRUCT A CONCRETE OPENING OF 409mm x 245mm FOR INSTALLATION OF ROXTEC CABLE SEAL SYSTEM. CONFIRM OPENING SIZE WITH ROXTEC. COORDINATE WORK WITH STRUCTURAL.
4. RUN CABLE BUS SYSTEM DIRECTLY BELOW THE ELECTRICAL ROOM TO THE MAIN BREAKER COMPARTMENTS. PROVIDE UNISTRUT SUPPORT FOR THE CABLE BUS SYSTEM.
5. PROVIDE 129 mmø RIGID PVC CONDUIT SLEEVES THROUGH CONCRETE PAD EXTENDING APPROX. 1500 mm PAST THE PAD FOR ROUTING OF THE 15KV MAIN POWER CABLE.
   PROVIDE WEATHERPROOF SEAL AT BOTH ENDS OF THE CONDUIT SLEEVE AFTER INSTALLATION OF CABLES.
6. PROVIDE 129 mmø RIGID PVC CONDUIT SLEEVES (SPARE) THROUGH CONCRETE PAD EXTENDING APPROX. 1500 mm PAST THE PAD. CAP BOTH ENDS.
7. PROVIDE A NEMA 4, 610 mm X 610 mm X 305 mm PULL BOX FOR FIBER OPTIC CABLE
8. CONNECT TRANSFORMER GROUND ELECTRODES / GROUND GRID TO THE BUILDING SERVICE GROUNDING SYSTEM. REFER TO DRAWING 1–0102–EGRD–S002 002.
9. FROM THE SUPPLY TRANSFORMER THE CABLE BUS TRENCH WILL BE RUN BELOW GRADE AS SHOWN ON SECTION D OF THIS DRAWING. THE CABLE BUS TRENCH SHALL GRADUALLY TRANSITION UPWARDS FROM THE SECTION D LOCATION (APPROXIMATE) UNTIL TOP OF CONCRETE IS AT GRADE LEVEL AS SHOWN ON SECTION A ON DWG. ECRT–S003. THE CABLE BUS AND CONCRETE TRENCH WILL THEN BE RUN AT THIS ELEVATION ALL THE WAY TO THE ELECTRICAL ROOM.
10. PARTIAL EQUIPMENT LAYOUT SHOWN. REFER TO DWG. EGAD–S002 FOR COMPLETE LAYOUT OF THE ELECTRICAL ROOM.
11. REFER TO STRUCTURAL DRAWINGS FOR EXACT DETAILS AND DIMENSIONS OF CONCRETE TRENCH.
12. PROVIDE DRAIN TIED INTO WEEPING TILE SYSTEM.

GROUND FLOOR PLAN

1 : 75

1:10 100 0 200 400

1:75 750 0 1500 3000

REFERENCE DRAWINGS	DESCRIPTION
1–0102–ECRT–S003	CABLE ROUTING, CABLE BUS SYSTEM SECTIONS & DETAILS

APEGM Certificate of Authorization
SNC-Lavalin Inc.
No. 4489

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER – B.O. 899–2015	01/2016	WE	DEB

CH2MHILL. SNC·LAVALIN KGS GROUP CONSULTING ENGINEERS

DESIGNED BY: V. ELIMBAN	CHECKED BY: D. BECKER
DRAWN BY: MJ. PERSSON	APPROVED BY: E. RYCZKOWSKI
SCALE: AS SHOWN	ISSUED FOR CONSTRUCTION BY: T. TURZAK
DATE: 2015/11/20	DATE: 2016/01/29
CONSULTANT NO.: 474248	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
E. M. RYCZKOWSKI
Member 4771
REGISTERED PROFESSIONAL ENGINEER
2016/01/27

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPCC UPGRADING/EXPANSION PROJECT
ELECTRICAL – CABLE ROUTING
SECONDARY CLARIFIERS 4 AND 5
CABLE BUS SYSTEM LAYOUT

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1–0102–ECRT–S002	001	00	A1

LAST SAVE: 2016/01/27 – 1:27pm
PATH: C:\pw_workdir\ch2mhill_kbg\mp006714\d0356519\1–0102–ECRT–S002.dwg

PLOT DATE: Jan 27, 2016 – 1:27pm

FILE NAME: 1–0102–ECRT–S002.dwg