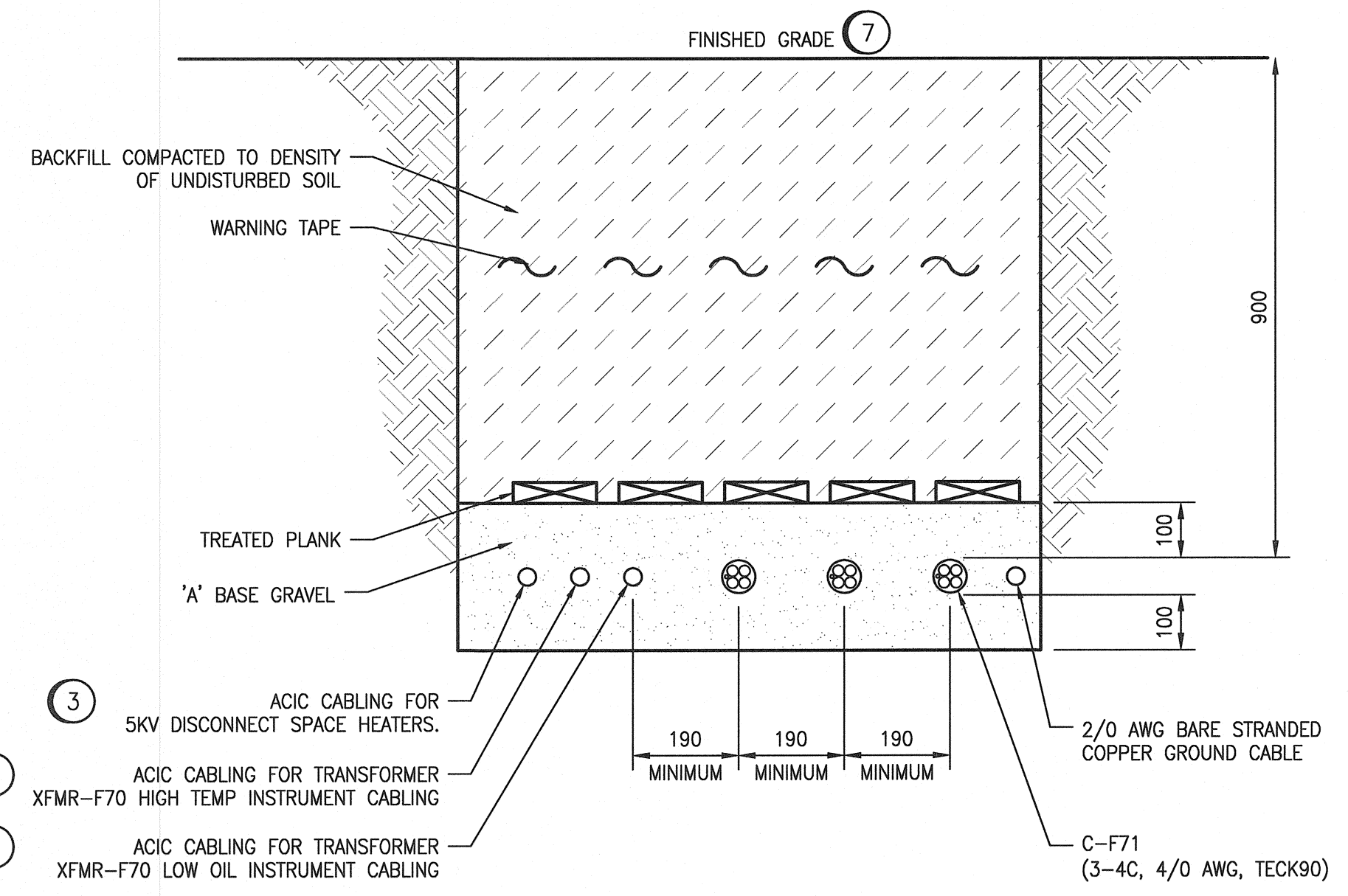


A C-UTIL TRENCH LAYOUT
SCALE: 1 : 10

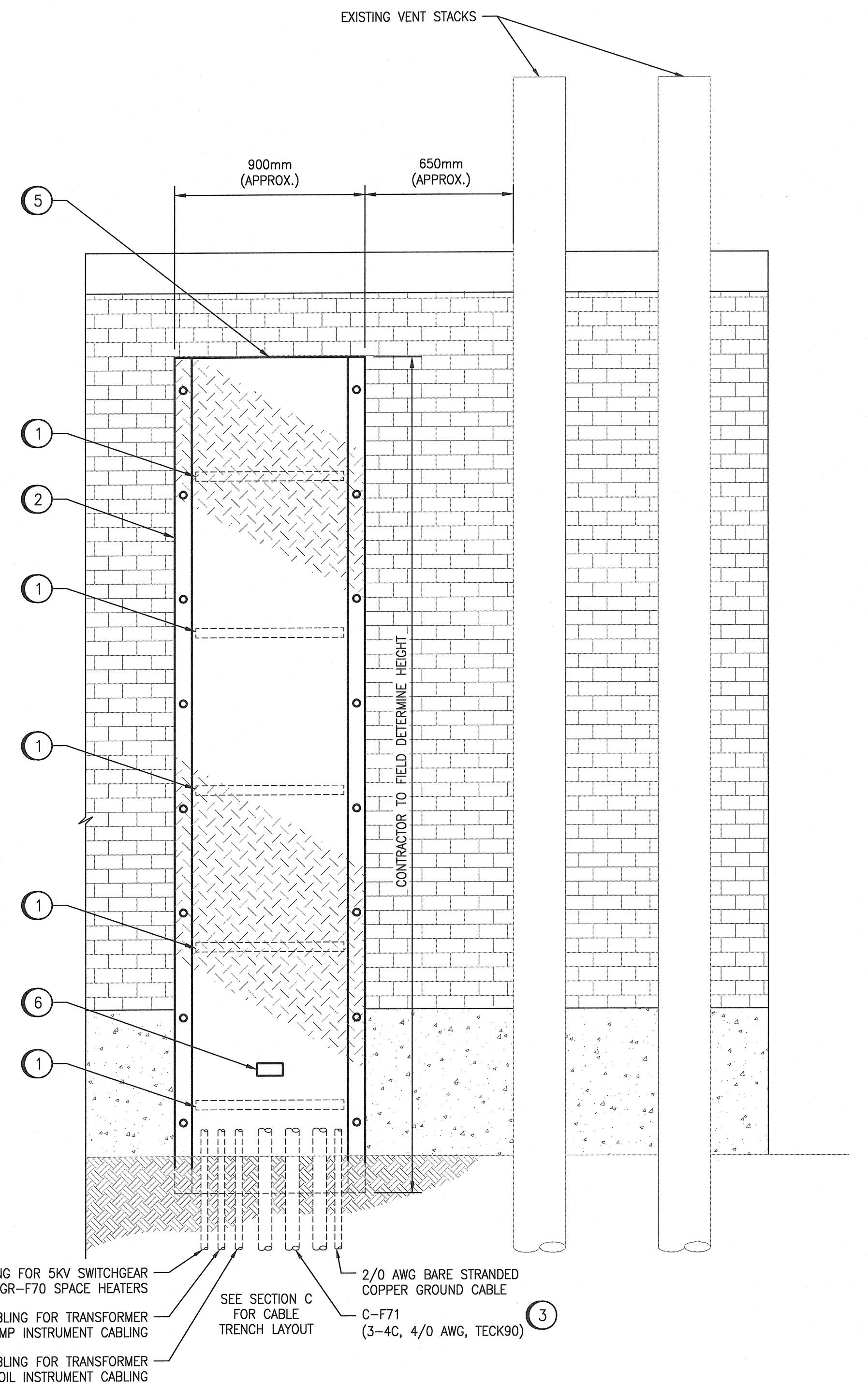


C C-F71 TRENCH LAYOUT
SCALE: 1 : 10

UNDERGROUND CONDUCTORS
CIRCUIT I.D.: C-F71
YEAR INSTALLED: 2019
DIAGRAM: D10 DETAIL: 3 TABLE: D10A
SIZE/TYPE OF CONDUCTOR: 3-4C, 4/0 AWG, TECK90
AMPACITY: 840A MAX. OVERCURRENT: 600A
(REFER TO GENERAL NOTE 1)

B C-F71 LAMACOID
SCALE: NTS

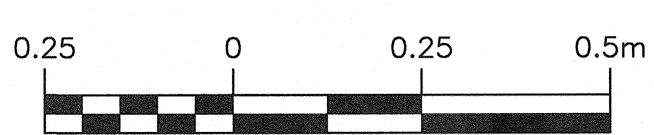
- CONSTRUCTION NOTES**
- 1 PROVIDE AND INSTALL NEW BACK-TO-BACK STAINLESS STEEL UNISTRUT FOR SECURING CABLING TO BUILDING EXTERIOR WALL.
 - 2 PROVIDE AND INSTALL NEW ENCLOSED DIAMOND CHECKER PLATE COVER TO CONCEAL CABLING.
 - 3 MAINTAIN A MINIMUM 100% CABLE DIAMETER SPACING BETWEEN CABLES.
 - 4 CONFIRM EXACT TRENCH SIZE (DEPTH, WIDTH & LENGTH) TO EXCAVATE FOR MANITOBA HYDRO. CONTRACTOR TO BACKFILL TRENCH ONCE UTILITY CABLING C-UTIL IS INSTALLED IN THE TRENCH.
 - 5 DIAMOND CHECKER PLATE COVER SHALL BE FULLY SEALED AT THE TOP OF THE PLATE TO PREVENT THE INGRESS OF WATER. A TOP PIECE SHALL BE PROVIDED COMPLETE WITH CONTINUOUS WELDED SEAMS TO THE VERTICAL SECTION. PROVIDE SEALANT TO FULLY SEAL CHECKER PLATE TO EXISTING BRICK WALL.
 - 6 PROVIDE AND INSTALL TWO NEW C-F71 LAMACOIDS FOR IDENTIFICATION OF UNDERGROUND CABLING, ONE FOR EACH END OF THE CABLING, AS PER CITY OF WINNIPEG BYLAW RULE 2-100. LAMACOID ON DIAMOND CHECKER PLATE SHALL BE INSTALLED A MINIMUM OF 300MM ABOVE FINISHED GRADE LEVEL.
 - 7 FOR TRENCH AREAS WHERE CABLING WILL BE WITHIN GROUND GRID AND 1000mm BEYOND GROUND GRID, 150mm OF CLEAN CRUSHED STONE WILL BE REQUIRED BELOW FINISHED GRADE. REFER TO DRAWINGS 1-0179F-E0004 AND 1-0179F-E0005 FOR FURTHER DETAILS.



D CABLE AND CONDUIT COVER
SCALE: N.T.S.

GENERAL NOTES:

1. THE STATED AMPACITY OF THE CABLE C-F71 ON THE LAMACOID IS FOR THE DIRECT BURIED PORTION OF THE CABLE. THE AMPACITY OF THE EXPOSED PORTION OF THE CABLE IS BASED ON CEC TABLE 2, 690 AMPS.



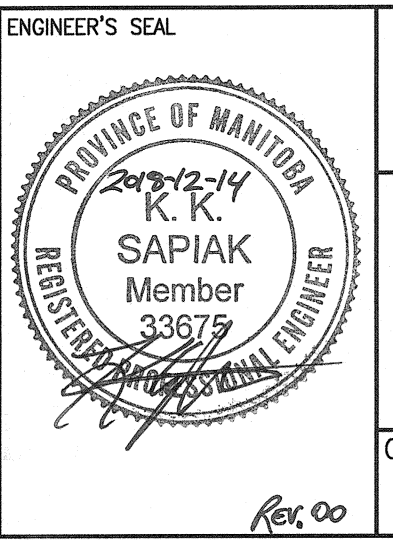
1 : 10



NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER AND CONSTRUCTION	2018/12/14	KS	BC

SNC-LAVALIN INC.
148 Nature Park Way
Winnipeg, MB, Canada R3P 0X7
204-786-9080

DESIGNED BY: K. SAPIAK
CHECKED BY: B. CLEVEN
DRAWN BY: K. SAPIAK
APPROVED BY: B. CLEVEN
SCALE: AS SHOWN
ISSUED FOR CONSTRUCTION BY: K. ZUREK
DATE: 2018/08/24
DATE: 2018/12/14



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

ROLAND FLOOD PUMPING STATION
2019 UPGRADES
INSTALLATION DETAILS
600V POWER CABLING

CITY DRAWING NUMBER: 1-0179F-E0006
SHEET: 001
REV: 00
SIZE: A1