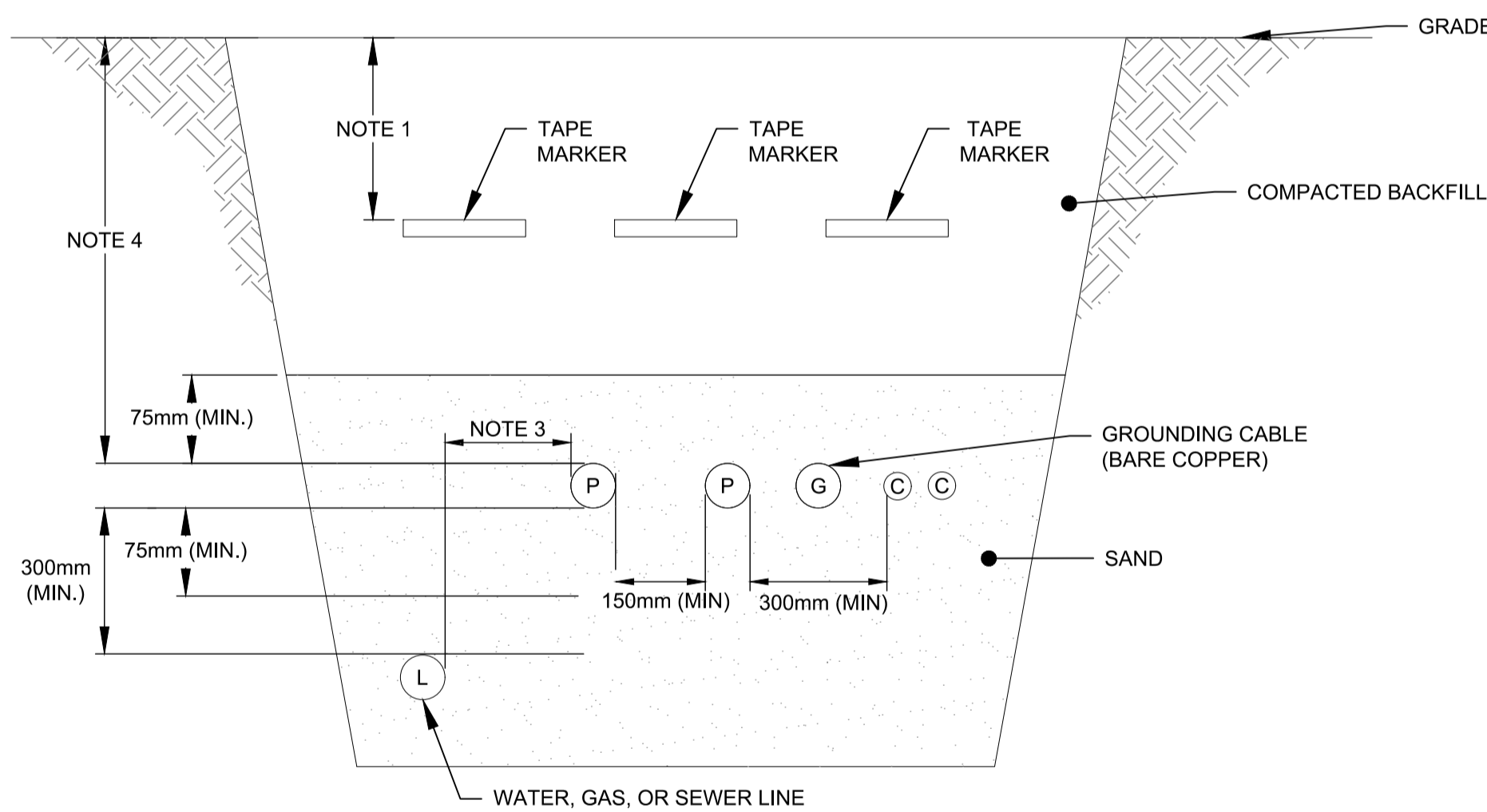


1 | MANHOLE CONTROL PANEL ELEVATION (TYP.)

Scale N.T.S.

NOTES:

1. PROVIDE CABLE GLAND/SEAL SUITABLE FOR ZONE 2 INSTALLATIONS
2. RECEPTACLE TO BE WATERPROOF COMPLETE WITH WET WHILE COVER IN PLACE. MOUNT MINIMUM 1000mm AFG AND INSTALL AT 45° FROM THE HORIZONTAL.
3. PANEL SHALL BE COMPLETE WITH INDICATORS AND CONTROLS MOUNTED ON THE INNER DOOR FOR EASE OF OPERATOR USE. LCP SHALL COME WITH LOCK PROVISION.
4. CONTROL PANEL SUPPORTS TO BE DESIGNED BY A STRUCTURAL ENGINEER REGISTERED IN THE PROVINCE OF MANITOBA, MINIMUM 200mmX200mm TREATED LUMBER POST BURIED 1500mm BELOW GRADE.
5. FOR CLARITY, NOT ALL CABLES CONNECTED TO THE CONTROL PANEL ARE SHOWN. PROVIDE CONDUITS FOR THE PUMPS' POWER, PUMPS' MONITORING, AND FLOATS.

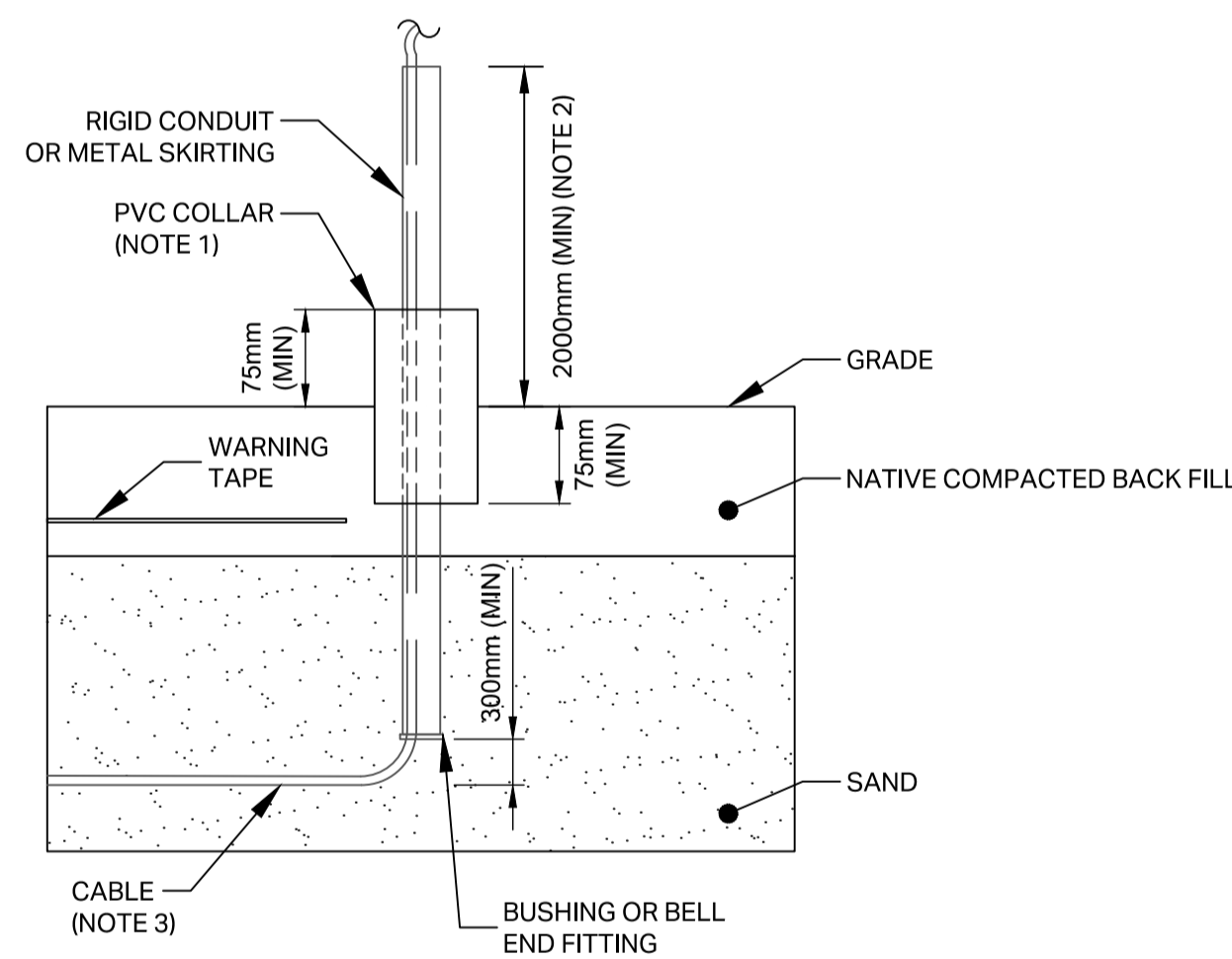


2 | TYPICAL DIRECT BURIED TRENCH (NOTE 2)

Scale N.T.S.

NOTES:

1. MARKER TAPE TO BE BURIED HALFWAY BETWEEN INSTALLATION AND GRADE LEVEL.
2. TYPICAL CABLES SHOWN. EACH TRENCH WILL CONTAIN THE REQUIRED CABLES AND SPARES BURIED AS PER MANITOBA ELECTRICAL CODE.
3. PROVIDE 1000mm HORIZONTAL DISTANCE FROM DEEP BURIED SERVICES. WHERE FIELD CONDITIONS DO NOT PERMIT 1000mm SPACING, THE DISTANCE SHALL BE REDUCED TO NO LESS THAN 300mm.
4. CABLES TO BE BURIED MINIMUM 1000MM BELOW GRADE WHEN CROSSING UNDER ROADWAYS OR VEHICULAR AREAS. ALL OTHER AREAS SHALL ME A MINIMUM BURIAL DEPTH OF 600mm

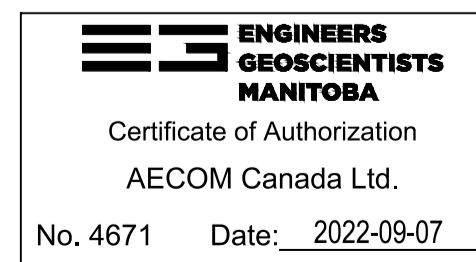


3 | BURIED CABLE ACCESS CONDUIT PROTECTION DETAIL (TYP.)

Scale N.T.S.

NOTES:

1. PVC COLLAR TO BE MINIMUM 25mm LARGER THAN CONDUIT. COLLAR TO EXTEND 75mm BELOW AND 75mm ABOVE GRADE.
2. CABLES RISING FROM TRENCH REQUIRE PROTECTION FOR ALL ROUTING WITHIN 2000mm AFG.
3. PROVIDE COIL OF SLACK IN TRENCH TO ALLOW FOR SETTLEMENT.



METRIC
 WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES

		ENGINEER'S SEAL		<p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT</p>
		ORIGINAL SIGNED BY C.L. ROBINSON 2022-09-06		
DESIGNED BY: CR	CHECKED BY: JG	WATER TREATMENT PLANT - FLOOD PROTECTION WTP/DBPS ELECTRICAL DETAILS		CITY DRAWING NUMBER 1-0601B-E0006-001
DRAWN BY: TW	APPROVED BY: KWF	SCALE: AS SHOWN RELEASED FOR CONSTRUCTION BY: MATTHEW SKINNER		
DATE: 2022-09-07	DATE: 2022-09-08	CONSULTANT NO.: E-0006		REV. PB
PB ISSUED FOR CONSTRUCTION	22/09/06	CR	JG	SIZE A1
PA ISSUED FOR 90%	22/07/13	CR	TW	
NO. REVISIONS	DATE	DESIGN	CHECK	