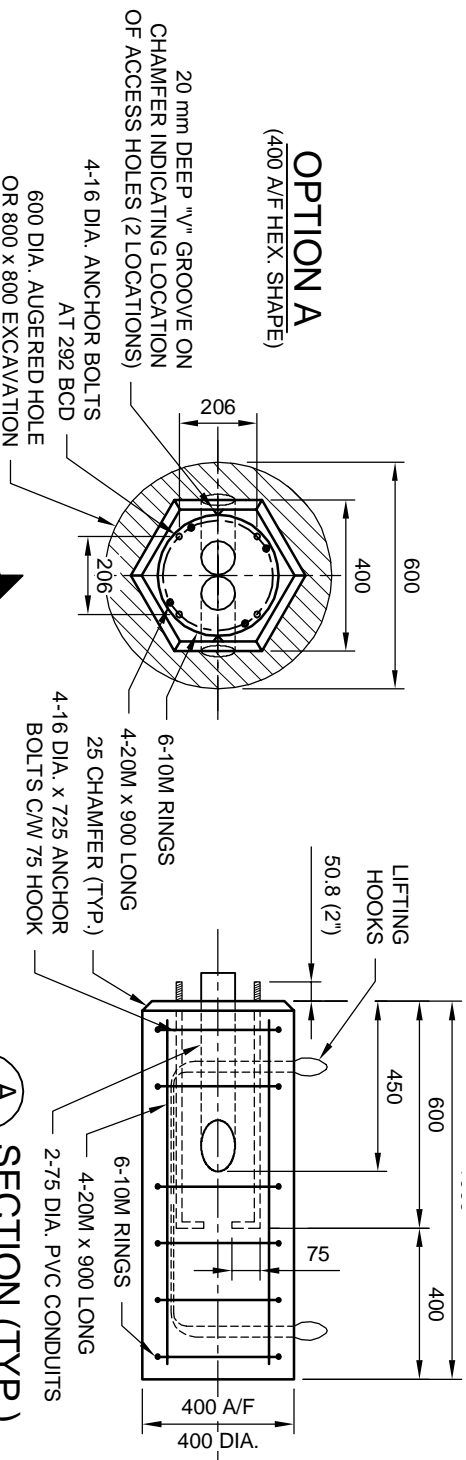
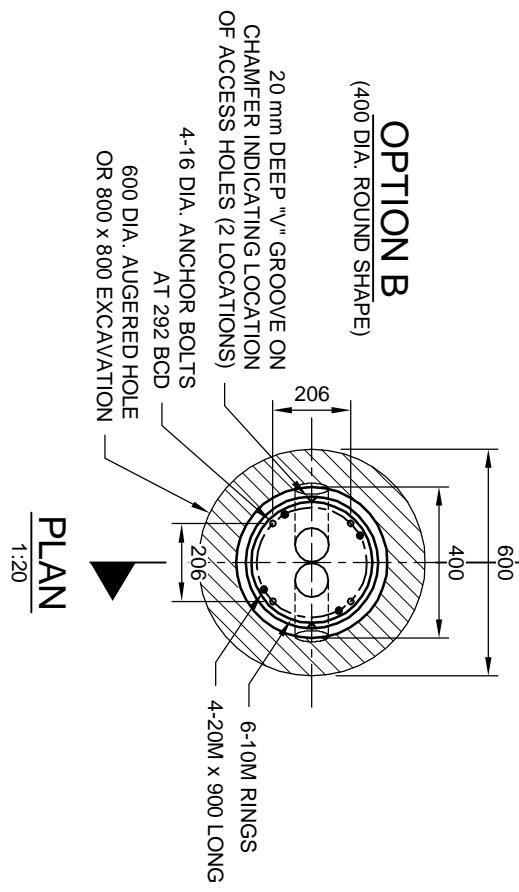


OPTION A
(400 A/F HEX. SHAPE)

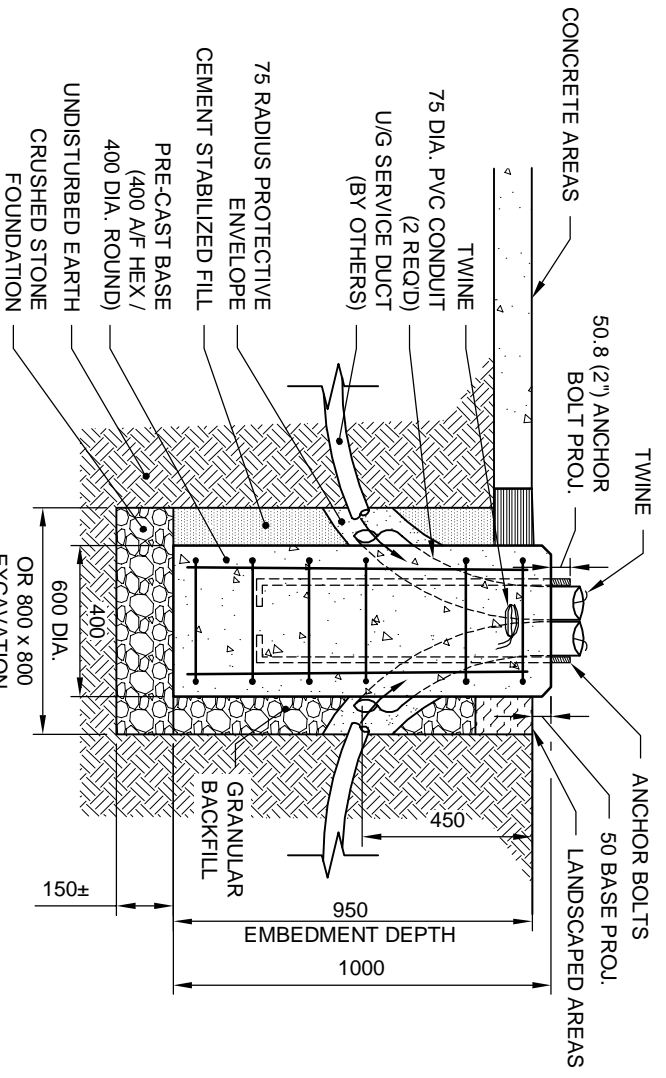


OPTION B
(400 DIA. ROUND SHAPE)



PLAN
1:20

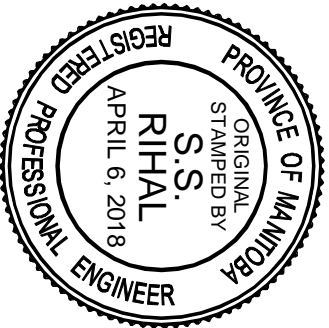
A SECTION (TYP.)
1:20



PRE-CAST BASE INSTALLATION
1:20

NOTES:

- ANCHOR BOLTS**
- 4-16 mm DIA. ANCHOR BOLTS 725 LONG CW 75 mm HOOK
 - ASTM F1554 GR.55 (380 MPa)
 - TOP 125 mm TREADED UNC CLASS 2A
 - HOT DIP GALVANIZED FULL LENGTH TO ASTM A153 CLASS C
 - BCD = BOLT CIRCLE DIAMETER TO CENTER OF BOLT GROUP
 - BOLTS SHALL BE HELD IN PLACE ACCURATELY WITH A STEEL TEMPLATE.
 - TREADED PORTION OF ANCHOR BOLTS SHALL BE PROTECTED FROM FOULING PRIOR TO CONCRETE POUR.
- PRE-CAST CONCRETE BASE**
- CAN/CSA SPECIFICATION: CAN3-A23.4-09
 - CEMENT: TYPE HS SULPHATE RESISTANT, S2 EXPOSURE
 - CONCRETE STRENGTH: 35 MPa AT 28 DAYS
 - MAXIMUM AGGREGATE: 20 mm, AIR CONTENT 3-6%
 - 25 mm CHAMFER ON ALL EXPOSED CONCRETE EDGES.
 - PVC CONDUITS: 75 (3") DIA. LONG RADIUS (24") SWEEP ELBOW (90°)
 - CONDUITS SHALL BE HELD SECURELY IN CENTER OF BASE PRIOR TO CONCRETE POUR.
 - CUT CONDUITS FLUSH AT TOP AND SIDES OF CONCRETE BASE AFTER CURING.
 - INDENT THE NUMBER "SD-XXX (1.0 m)" ON THE TOP OF THE BASE.
 - LIFTING HOOKS: 5 mm 7 x 19 STAINLESS STEEL CABLE
 - WEIGHT OF PRE-CAST BASE: 302 kg
- REINFORCING STEEL**
- CAN/CSA G30.18-GR.400W
 - ALL BARS TO BE HOT DIP GALVANIZED.
 - CLEAR COVER 35 mm
- BACKFILL MATERIAL**
- CRUSHED STONE FOUNDATION: TYPE 3 AS PER CW 2030-R7 2.1.2 AND 2.1.5.
 - BACKFILL AT LANDSCAPED AREAS: GRANULAR BACKFILL TYPE 2 AS PER CW 2030-R7 2.1.2 TO 2.1.5.
 - BACKFILL AT CONCRETE AREAS: CEMENT STABILIZED FILL: TYPE C AS PER CW 2160-R7 2.16.1 TO 2.16.4.
- INSTALLATION**
- MARK THE CENTER AND OFFSET LOCATIONS BEFORE EXCAVATING.
 - OPEN OR CUT OR AUGER DRILL EXCAVATION.
 - EXCAVATION DEPTH EQUALS THE EMBEDMENT DEPTH PLUS 150 mm ± FOR CRUSHED STONE FOUNDATION.
 - AUGER HOLE 600 DIA. OR EXCAVATION 800 x 800.
 - PLACE, LEVEL, AND COMPACT CRUSHED STONE FOUNDATION TO EDGE OF EXCAVATION.
 - VERIFY ORIENTATION OF PRE-CAST BASE ANCHOR BOLTS AND CONDUIT HOLES TO SITE LAYOUT DRAWINGS.
 - SET BASE UNIT WHILE IN A PLUMB ORIENTATION INTO FINAL LOCATION (DO NOT TILT UP).
 - SET UNIT TO PROPER ELEVATION, ±10 mm.
 - BRACE BASE AS REQUIRED TO MAINTAIN UNIT IS LEVEL, TRUE, AND PLUMB UNTIL BACKFILL HAS BEEN PLACED AND CONSOLIDATED.
 - PLACE AND COMPACT BACKFILL MATERIALS UNIFORMLY AROUND PERIMETER OF THE BASE IN 150 mm LIFTS.
 - PAUSE BACKFILLING AT BOTTOM OF CONDUIT TRENCH, THEN INSTALL BELOW GRADE ELECTRICAL CONNECTIONS.
 - FINISH BACKFILLING AND COMPACTING IN 150 mm LIFTS TO THE ROUGH GRADE OR AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
 - REMOVE SOILS OR STAINS FROM THE EXPOSED CONCRETE.



<p>THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT</p>		<p>Reference Spec. No. CW XXXX</p>	
<p>PRE-CAST BASE – 1.0 m CYCLIST / PUSHBUTTON</p>		<p>Scale : AS SHOWN Drawing No. SD-XXX</p>	
<p>Revisions</p>		<p>Dimensions are in millimetres (unless otherwise noted)</p>	
No.	Date	Description	By
1	04/06/18	DESIGNED BY DILLON CONSULTING	KNL
Designed By:	KNL	Drawn By:	KNL
Checked By:	SSR	Date:	04/06/2018
Approved:			