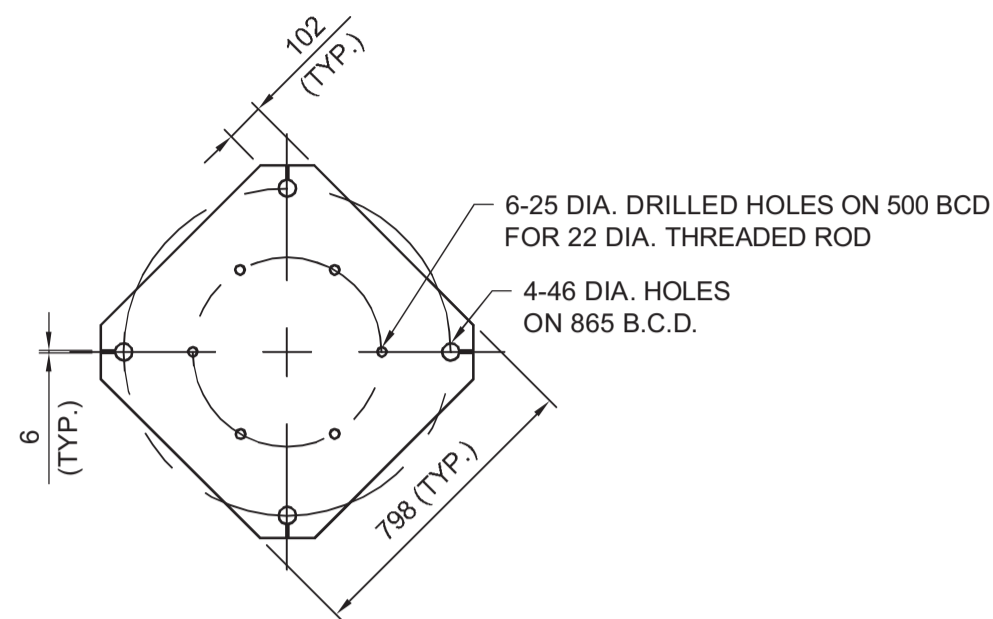
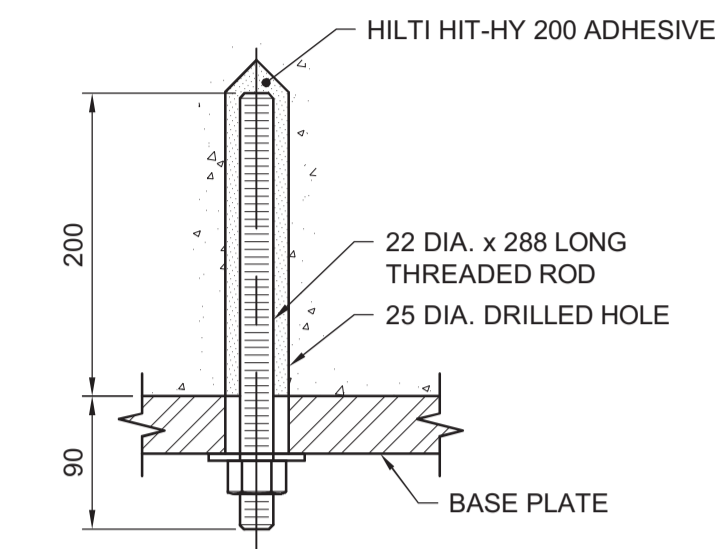


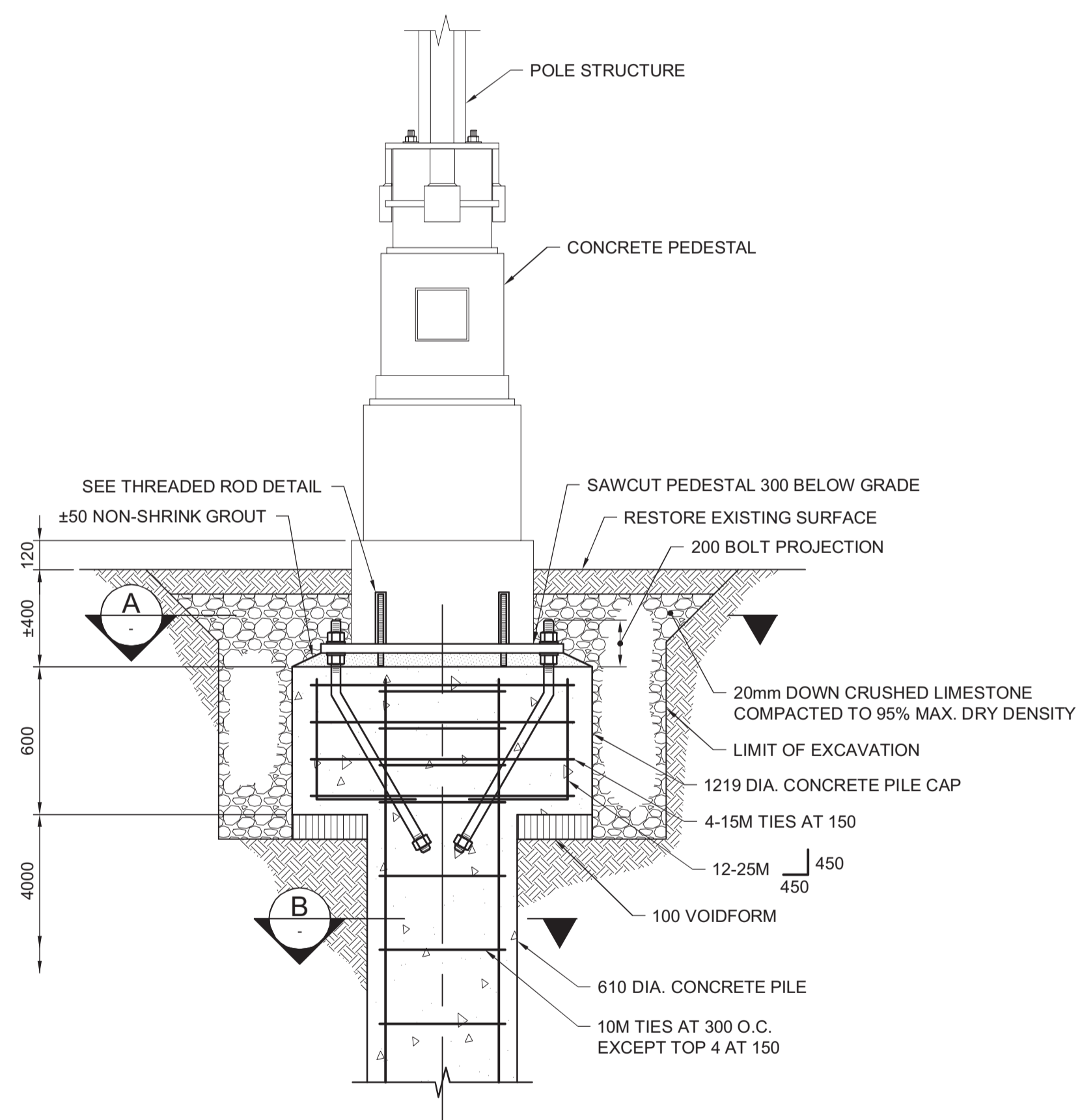
SITE PLAN



BASE PLATE DETAIL
1:20 (1 REQUIRED)



THREADED ROD DETAIL
1:5



ELEVATION
1:20

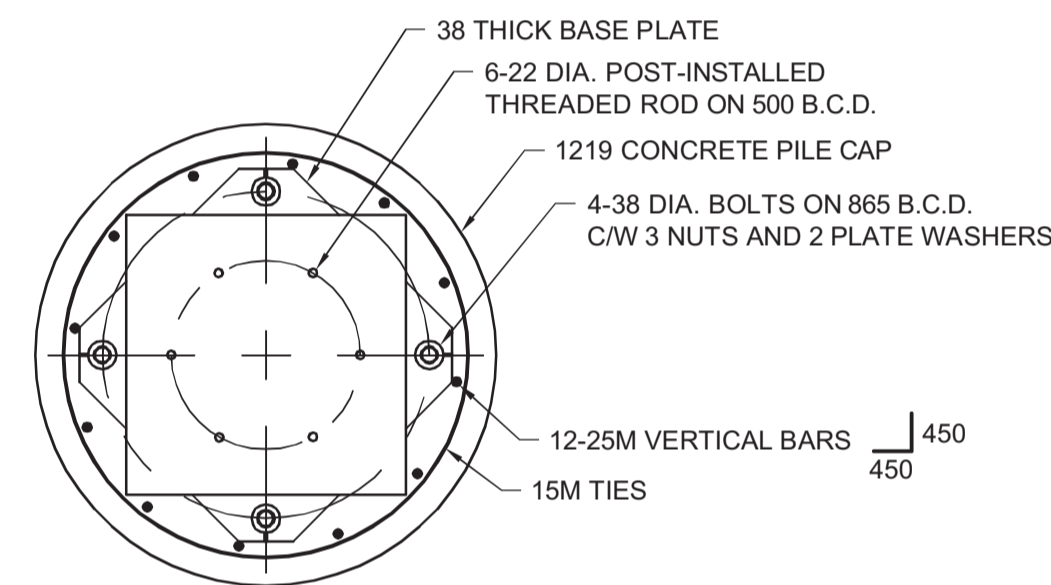
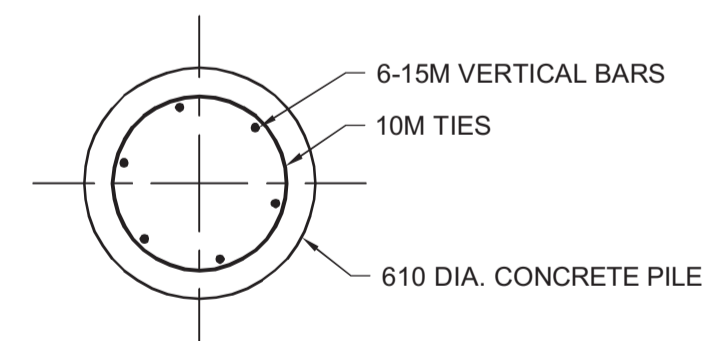
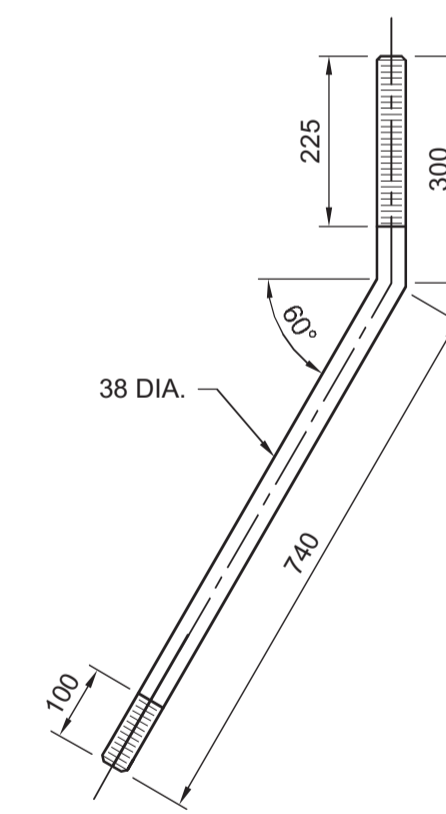


PLATE WASHER DETAIL
1:2 (8 REQUIRED)

A SECTION
1:20 (610 PILE REINFORCING NOT SHOWN FOR CLARITY)



B SECTION
1:20



ANCHOR BOLT DETAIL
1:10 (4 REQUIRED)

NOTES:

- PEDESTAL**
 - WIRE CUT EXISTING CONCRETE PEDESTAL ±300 BELOW GRADE
 - ABANDON EXISTING FOUNDATION TO 1.0m BELOW GRADE
 - CONTRACTOR SHALL HANDLE THE CONCRETE PEDESTAL WITH CARE AND PROTECT FROM DAMAGE DURING THE COURSE OF CONSTRUCTION
- EXCAVATION**
 - CONTRACTOR SHALL PERFORM ALL OPERATIONS IN ACCORDANCE WITH APPLICABLE REGULATIONS
 - EXCAVATION FOR 610 DIA. PILE SHALL BE ACCOMPLISHED BY HYDRO JET
 - 1219 DIA. PILE CAP SHALL BE FORMED WITH A TUBULAR FORM (SONOTUBE)
- REINFORCING STEEL**
 - CSA G30.18 GR. 400W
 - HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A767 CLASS II
- ANCHOR BOLTS (38 DIA.)**
 - ASTM F1554 GRADE 380 MPa, AS DETAILED
 - HOT DIP GALVANIZED FULL LENGTH
 - ANCHOR BOLTS SHALL BE ALIGNED USING A TEMPORARY STEEL TEMPLATE. PLACEMENT OF ANCHOR BOLTS AND CONCRETE WITHOUT THE TEMPLATE WILL NOT BE PERMITTED
- POST-INSTALLED THREADED ROD (22 DIA.)**
 - 22 DIA. THREADED ROD SHALL BE INSTALLED USING THE HILTI HIT-HY 200 ADHESIVE ANCHORING SYSTEM
 - INSTALL THREADED ROD IN ACCORDANCE WITH ADHESIVE ANCHORING SYSTEM MANUFACTURERS INSTRUCTIONS
 - THREADED ROD SHALL BE STAINLESS STEEL, ASTM F593, 290 LONG C/W NUT AND WASHER
 - MAXIMUM INSTALLATION TORQUE = 169 NM (125 ftlb)
- MISCELLANEOUS STEEL**
 - BASE PLATE AND PLATE WASHERS IN ACCORDANCE WITH CSA G40.21 300W GALVANIZED IN ACCORDANCE WITH ASTM A123
- CONCRETE MIX DESIGN**

PROPORTIONING OF FINE AGGREGATE, COARSE AGGREGATE, CEMENT, WATER, AND AIR ENTRAINING AGENT SHALL YIELD CONCRETE HAVING THE REQUIRED STRENGTH AND WORKABILITY AS FOLLOWS:

 - CLASS OF EXPOSURE: S-1
 - COMPRESSIVE STRENGTH AT 28 DAYS: 35MPa
 - WATER/CEMENTING MATERIALS RATIO: 0.4
 - AIR CONTENT: CATEGORY 2 PER TABLE 4 OF CSA A123.1-09 (4-7%)
 - CEMENT - TYPE HS OR Hsb HIGH SULFATE RESISTANT
- SEQUENCE OF OPERATIONS**
 - REMOVAL OF POLE STRUCTURE FROM CONCRETE PEDESTAL (BY OTHERS)
 - WIRE CUT PEDESTAL BELOW GRADE AND STORE
 - INSTALL NEW CONCRETE FOUNDATION
 - INSTALL THREADED ROD IN UNDERSIDE OF PEDESTAL USING ADHESIVE ANCHORING SYSTEM AND FASTEN BASE PLATE TO PEDESTAL
 - ATTACH BASE PLATE AND PEDESTAL TO NEW CONCRETE FOUNDATION USING ANCHOR BOLTS
 - RESTORE EXISTING GROUND SURFACE
 - INSTALLATION OF REFURBISHED POLE STRUCTURE (BY OTHERS)



BID OPPORTUNITY NO. 712-2013

B.M. ELEV.						THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT	PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION CONTRACT 3	CITY DRAWING NUMBER U238-2014-2163 SHEET 63 OF 66
DESIGNED BY	CDW							
DRAWN BY	JLD	APPROVED BY	DPK			TRANSCONA BIZ PEDESTAL RELOCATION		CT-0063
HOR. SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION BY:						
A	ISSUED FOR TENDER	2013/11/21	TJP	CONSULTANT DRAWING NO. 12-6576-CT-0063				
NO.	REVISIONS	DATE	BY	DATE	2013/11/21			

2013-09-09