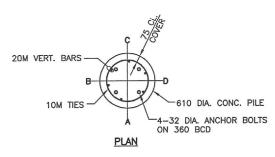
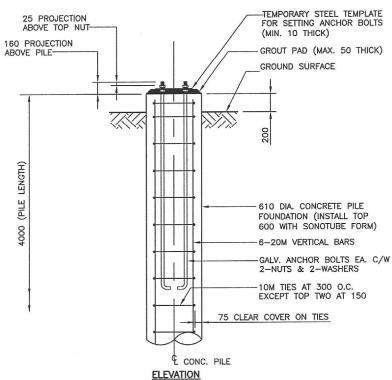


ANCHOR BOLTS LAYOUT





CONCRETE PILE FOUNDATION FOR S758

PILE CONSTRUCTION NOTES

- REINFORCING STEEL
 CSA G30.18 400W
 - VERTICAL BARS FULL LENGTH OF PILE
 HOT DIP GALVANIZED
- 2. ANCHORS BOLTS CSA G40.21 GR. 300W

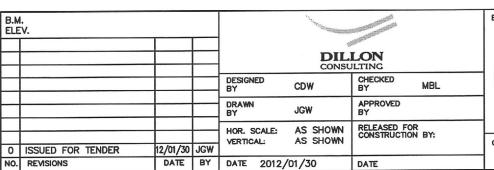
4-32 DIA. x 1500 LONG + 150 HOOK EACH BOLT C/W 2 NUTS & 2 WASHERS TOP 300 THREADED
HOT DIP GALVANIZED FULL LENGTH

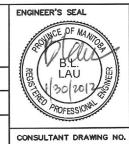
- 3. ANCHOR BOLTS SHALL BE ALIGNED WITH A TEMPORARY STEEL TEMPLATE. PLACEMENT OF ANCHOR BOLTS AND CONCRETE WITHOUT THE TEMPLATE WILL NOT BE PERMITTED.
- 4. TOP OF PILE SHALL BE FORMED WITH A
- TABULAR FORM (SONOTUBE) AS FOLLOWS:
- FOR BORED PILES, 1.0 m BELOW FINAL GRADE ii) FOR HYDRO-JET EXCAVATED PILES, 1.5 m BELOW FINAL GRADE
- 5. CONTRACTOR SHALL REMOVE THE BASE TEMPLATE, NUTS AND FORM, FOLLOWING A MINIMUM 24 HOUR CONCRETE CURING

PERIOD.

6. CONCRETE MIX DESIGN
PROPORTIONING OF FINE AGGREGATE, COARSE AGGREGATE,
CEMENT, WATER, AND AIR ENTRAINING AGENT SHALL BE SUCH AS YIELD CONCRETE HAVING THE REQUIRED STRENGTH AND WORKABILITY AS FOLLOWS:

- CLASS OF EXPOSURE: S-1
- COMPRESSIVE STRENGTH AT 56 DAYS = 35 MPa
- WATER/CEMENTING MATERIALS RATIO = 0.4 AIR CONTENT: CATEGORY 2 PER TABLE 4 OF CSA A23.1-04 (4-7%)
- CEMENT TYPE HS OR HSb HIGH SULPHATE RESISTENT





THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT Winnipeg TRANSPORTATION ENGINEERING DIVISION

CITY DRAWING NUMBER INKSTER BOULEVARD S758-11-03 WIDENING PROJECT OF 8 BROOKSIDE BOULEVARD TO SHEET 3 KEEWATIN STREET STRUCTURE NO. S758 FOUNDATION DETAILS