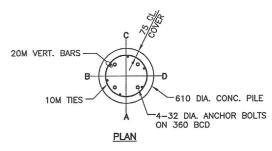
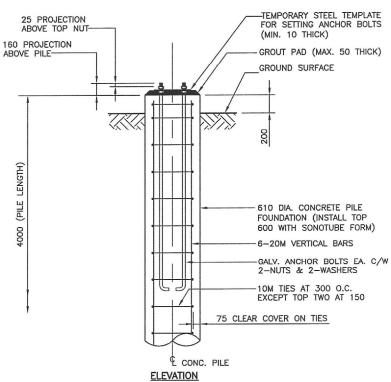


ANCHOR BOLTS LAYOUT





CONCRETE PILE FOUNDATION FOR S759

PILE CONSTRUCTION NOTES

- 1. REINFORCING STEEL

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

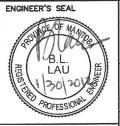
4-32 DIA. x 1500 LONG + 150 HOOK EACH BOLT C/W 2 NUTS & 2 WASHERS HOT DIP GALVANIZED FULL LENGTH

- 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:
 - i) FOR BORED PILES, 1.0 m BELOW FINAL GRADE
 - 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

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

B.M. ELEV. DILLON CONSULTING CHECKED DESIGNED DRAWN APPROVED RELEASED FOR CONSTRUCTION BY: AS SHOWN HOR. SCALE: AS SHOWN VERTICAL: 0 ISSUED FOR TENDER 12/01/30 JGW DATE BY DATE 2012/01/30 NO. REVISIONS DATE



FOUNDATION DETAILS

THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT Winnipeg TRANSPORTATION ENGINEERING DIVISION

CITY DRAWING NUMBER INKSTER BOULEVARD WIDENING PROJECT S759-11-03 OF 8 BROOKSIDE BOULEVARD TO SHEET 7 KEEWATIN STREET STRUCTURE NO. S759