









CONCRETE PILE FOUNDATION FOR S738 1:20 (BY OTHERS EXCEPT AS NOTED)

LOCATION WANDELE CONTRACTOR OF THE PARTY OF THE PARTY

LOCATION PLAN

PILE CONSTRUCTION NOTES (BY OTHERS EXCEPT AS NOTED)

- REINFORCING STEEL
 CSA G30.12 GR, 400
 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
- 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 1.0 m. OF PILE SHALL BE FORMED WITH A TABULAR FORM (SONOTUBE).
- CONTRACTOR SHALL REMOVE THE BASE TEMPLATE, NUTS AND FORM, FOLLOWING A MINIMUM 24 HOUR CONCRETE CURING PERIOD.
- 6. APPLY CONCRETE CURE AND PROTECTION SYSTEM FOR TOP 600 mm OF PILE. APPROVED PRODUCT HORSEY SET WDE (WATER-DISPERSED EPOXY), MADE BY WATSON BOWMAN ACME, AS SUPPLIED BY C.D. JOHNSTON LTD.
- 7. 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: MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS = 35 MPc
- MAXIMUM WATER/CEMENT RATIO = 0.45 MINIMUM CEMENT CONTENT = 340 kg/m
- SLUMP = $80 \text{ mm} \pm 30 \text{ mm}$ AGGREGATE: 20 mm NOMINAL
- AIR CONTENT: 5.0 TO 8.0 PERCENT
- CEMENT TYPE HS, HIGH SULFATE-RESISTANT.

B.M. ELEV.				DESIGNED BY:	\$.5.R.		ENGINEER'S SEAL
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NQ.	REVISIONS	DATE	87	CON BRIDGE ENGINEE	wit-	Zao (05 12	06-6011-1000

THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT Winnipèg

OHSS-06-04

OVERHEAD SIGN SUPPORT STRUCTURE MAINTENANCE WORKS 2006 PROGRAM

S738 PEMBINA HIGHWAY N/B NORTH OF HARROW ST.

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