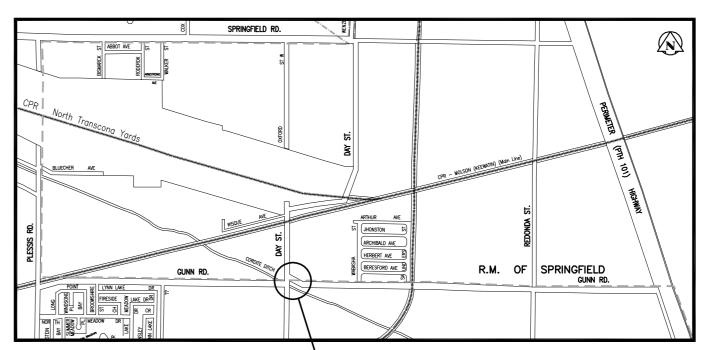






THE CITY OF WINNIPEG

PUBLIC WORKS DEPARTMENT TRANSPORTATION ENGINEERING DIVISION



INTERSECTION OF GUNN ROAD & DAY STREET

GUNN ROAD RECONSTRUCTION

CORDITE DITCH CULVERT REPLACEMENT AT DAY STREET AND GUNN ROAD

BID OPPORTUNITY No. 923-2009

DESIGN DATA

DESIGN SPECIFICATION - CAN/CSA-S6-06 LIVE LOAD - CL625 - DESIGN LANE LOAD - CSA G30.18 - M92 (R2002) GRADE 400W REINFORCING STEEL

CONCRETE STRENGTH AT 28 DAYS - 35 MPa

HYDRAULIC DESIGN DATA

1. DESIGN DISCHARGE 1% FUTURE FLOOD Q= 5.5m³/S V= 2.45m/S W.L.= 232.3

2. 50% FUTURE FLOOD Q= 0.8m³/S V= 0.9m/S W.L.= 231.7

GENERAL NOTES

THESE DRAWINGS TO BE READ IN CONJUNCTION WITH THE CONTRACT SPECIFICATIONS.

EXISTING DIMENSIONS ARE APPROXIMATE ONLY. CONTRACTOR SHALL SITE VERIFY ALL DIMENSIONS.

REINFORCING

CONCRETE CLEAR COVER TO REINFORCEMENT 65mm FOR TOP FACE OF CULVERT, 50mm FOR ALL OTHER SURFACES.

SUPPLY SUPPORT BARS TO SUPPORT MAIN REINFORCEMENT AS REQUIRED

LAP SPLICE SCHEDULE IS FOR CLASS B SPLICE UNLESS NOTED OTHERWISE AND APPLIES TO REINFORCING SPLICES NOT OTHERWISE DETAILED.

LOCATE REINFORCING SPLICES NOT INDICATED ON THE DRAWINGS AT POINTS OF MINIMUM STRESS. LOCATIONS OF SPLICES TO BE APPROVED BY THE ENGINEER.

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LIST OF ABBREVIATIONS

LUM. PPROX. VE. C. C. DT. /W J. /W ONC. DNT. L.	APPROXIMATE AVENUE BEGINNING OF CURB BOTTOM BOTH WAYS CAST—IN—PLACE CONTRUCTION JOINT CENTRE LINE COMPLETE WITH CONCRETE CONTINUOUS CLEAR CRESCENT DOUBLE DIAMETER DETAIL DRAWING END OF CURB EACH END EACH END EACH END	m MIN. mm No. 0/C 0/O PL. 0/C 0/O PL. R REINF. S.U. THK. TYP. T/O U.N.O. OTHERWIS VERT. WM WP	MARK MAXIMUM METRE MINIMUM MILLIMETRE NUMBER ON CENTRE OUTSIDE TO OUTSID PLATE QUANTITY RADIUS REINFORCEMENT SHEET SUBSTRUCTURE UNI THICK TYPICAL TOP OF UNLESS NOTED E UNDERSIDE

LOCATION PREFIX H - HEADWALL REINFORCING MARK NUMBERING SYSTEM





C365-10-01



Stantec

G-001

Stantec Consulting Ltd.

RELEASED FOR CONSTRUCTION BY:

KEN TURKO, P.ENG.

WINNIPEG

MANITOBA

CONSULTANT DRAWING No CITY DRAWING No.

CAD FILE DRAWING No 05170g-001-726.dwg