



RED RIVER SOILS LTD.  
2427 WAVERLEY STREET

SEE DRAWING C00XX

MATCH LINE 4+900

RELOCATE EXISTING  
INLET & 1500 $\phi$   
MANHOLE

CONNECT TO EXISTING MANHOLE  
750 SW INV 27.262  
375 NW INV 28.620

RELOCATED INLET CHAMBER  
SEE DETAIL DWG XXX  
RIM EL. XXX  
INV EL. XXX  
BOT EL. XXX

750 CSP INLET  
24.2m @ 1.08%  
RIM. 31.305  
INV.27.720

INSTALL 300mm PLUG  
INV. 29.290

INSTALL HYDRANT TEE  
INV. 29.300  
FLANGE EL. 32.670

INSTALL 450mm CSP  
CULVERT INV. 32.170

PROPOSED MAILBOX CONCRETE  
PAD 1.2m x 3.66m  
SEE DETAIL 4,  
DWG C0019

INSTALL 300mm 22 $\frac{1}{2}$ "  
BEND INV 29.200

INSTALL 300mm GV

CONNECT TO  
EXISTING 300mm  
WATERMAIN  
INV  $\pm$  28.400

375 CSP INLET  
29.0m @ 3.0%  
RIM 31.140  
INV. 29.490  
SUMP 28.890

FUTURE  
PATHWAY

0.10%

0.16%

0.57%

0.31%

0.48%

EX 400 FM

0.13%

FIBRE OPTIC CABLE

SD-200 CURB &  
GUTTER (TYP.)

300 CSP INLET  
22.3m @ 2.15%  
INV. 31.850  
3 X 3 RIPRAP PAD  
SEE DETAIL 2,  
DWG C0019

300 CSP OUTLET  
INV. 31.370  
3 X 3 RIPRAP PAD  
SEE DETAIL 2,  
DWG C0019

TIE INTO  
EXISTING DITCH

CLEAR DITCH FOR  
POSITIVE DRAINAGE

CAUTION: FIBRE OPTIC

CONNECT TO EXISTING  
LDS MANHOLE  
375 NW INV 29.444  
INSTALL 45" BEND  
1.5m FROM  
MANHOLE

INSTALL 25.2m  
OF 375 CB  
LEAD @ 3.0%  
RIM 31.550  
INV. 29.900  
SUMP 29.300

CAUTION: WATERMAIN  
DO NOT OPERATE HEAVY OR VIBRATORY  
EQUIPMENT OVER OR WITHIN 3.0m OF  
CENTRE LINE OF FEEDERMAIN.  
CONTACT THE WATER AND WASTE DEPARTMENT  
CONSTRUCTION SERVICES COORDINATOR AT  
986-3823  
A MINIMUM OF SEVEN DAYS PRIOR TO  
CROSSING OR WORKING ADJACENT TO  
FEEDERMANS TO ARRANGE FOR INSPECTION.  
EXPOSE AQUEDUCT OR FEEDERMAIN BY HYDRO  
VACUUM OR OTHER SOFT DIG METHODS TO  
CONFIRM DEPTH AND ALIGNMENT OF PIPE.

**APEGM**  
Certificate of Authorization  
Wardrop Engineering Inc.  
No. 195 Expiry: April 30, 2012

EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED
150 WM	WATERMAIN	150 WM	TEE	TEE	15.240	LEGAL DIMENSION		
400 FM	FEEDERMAIN	400 FM	CURB STOP	CURB STOP		SURVEY BAR		
300 LDS	LAND DRAINAGE SEWER	300 LDS	PLUG	PLUG		GAS		
250 WWS	WASTEWATER SEWER	250 WWS	MANHOLE	MANHOLE		HYDRO		
300 CS	COMBINED SEWER	300 CS	CATCHBASIN	CATCHBASIN		MTS		
200 FCM	FORCEMAIN	200 FCM	CURB INLET	CURB INLET		DITCH		
	JUNCTIONS		ADDRESS	ADDRESS		CULVERT		
	HYDRANT		HYDRO POLE	HYDRO POLE		CONCRETE		
	VALVE		LIGHT STANDARD	LIGHT STANDARD		ASPHALT		
	BEND		RAMP CURB	RAMP CURB		GRANULAR		

LOCATION APPROVED  
UNDERGROUND  
STRUCTURES

SUPV. U/G STRUCTURES  
COMMITTEE

DATE

NOTE:  
LOCATION OF UNDERGROUND STRUCTURES  
AS SHOWN ARE BASED ON THE BEST  
INFORMATION AVAILABLE. BUT NO GUARANTEE  
IS GIVEN THAT ALL EXISTING UTILITIES ARE  
SHOWN OR THAT THE GIVEN LOCATIONS ARE  
EXACT. CONFIRMATION OF EXISTENCE AND  
EXACT LOCATION OF ALL SERVICES MUST BE  
OBTAINED FROM THE INDIVIDUAL UTILITIES  
BEFORE PROCEEDING WITH CONSTRUCTION.

B.M.	CITY OF WINNIPEG 82-024	ELEV.	232.259m
A	ISSUED FOR TENDER	11.05.13	
NO.	REVISIONS	DATE	BY

**WARDROP**  
A TETRA TECH COMPANY

PEOPLE, PASSION, PERFORMANCE.  
TRUSTED GLOBALLY

DESIGNED BY GC/BGD  
CHECKED BY

DRAWN BY GP  
APPROVED BY

HOR. SCALE: 1 : 500  
RELEASED FOR CONSTRUCTION

VERTICAL:

DATE 11.04.13

**PRELIMINARY  
DRAWING**

NOT TO BE  
USED FOR  
CONSTRUCTION

CONSULTANT DRAWING NO.  
0800040100-DWG-C0001-00

**THE CITY OF WINNIPEG**

Waverley Street  
Twinning and Associated Works

Waverley Street Plan  
30m North of S Limit of Warwick Ave  
to 71m North of N Limit of Lee Blvd

CITY DRAWING NUMBER  
9 OF 19  
C0009