## TRURO CREEK CULVERT SURVEY DATA

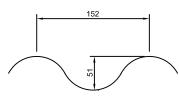
STATION	WIDTH	HEIGHT	ELEVATION	COMMENT						
0+00	2.62	2.62	100.000							
0+05	2.57	2.57	100.127	INVERT CORRODED THROUGH						
0+10	2.55	2.63	99.981	270 O.D. SERVICE PIPE AT 9.5 m						
0+15	2.65	2.64	99.923							
0+20	2.70	2.57	99.987							
0+25	2.72	2.57	99.957							
0+30	2.69	2.54	99.947							
0+35	2.72	2.47	99.931							
0+40	2.74	2.47	99.847							
0+45	2.72	2.45	99.852							
0+49.3	2.64	2.59	99.747							

NOTE: - INVERT ELEVATION AT NORTH END OF CULVERT TAKEN AS 100.000.

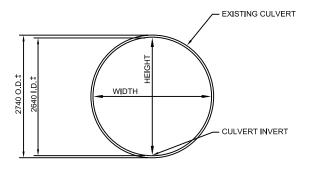
-150 TO 400 mm OF DEBRIS PRESENT ALONG INVERT OF CULVERT.

## NOTES:

- 1. WORK TO BE UNDERTAKEN IN WINTER WHEN TEMPERATURES ARE BELOW ZERO DEGREES CELCIUS AND CREEK FLOW IS MINIMAL.
- 2. CONTRACTOR RESPONSIBLE TO BY-PASS PUMP OR OTHERWISE PERMIT ANY FLOWS TO PASS THROUGH CULVERT IF AND WHEN IT IS NECESSARY.
- 3. CONTRACTOR MAY CLOSE OFF CURB LANES ON PORTAGE AVENUE FOR WORK STAGING / LAYDOWN AREAS.
- 4. CONTRACTOR MAY CONSTRUCT ACCESS WAYS TO NORTH AND SOUTH END WORK AREAS AND ACCESS WAYS TO BE RESTORED TO PRE-EXISTING CONDITIONS AT COMPLETION OF CONSTRUCTION.
- 5. CONTRACTOR TO SITE VERIFY AND PROTECT ALL UTILITIES.
- 6. CONTRACTOR RESPONSIBLE TO FIELD VERIFY ALL
- 7. NEW LINER TO BE INSTALLED AND SHIMMED AS REQUIRED TO PROVIDE CONSISTENT GRADE.



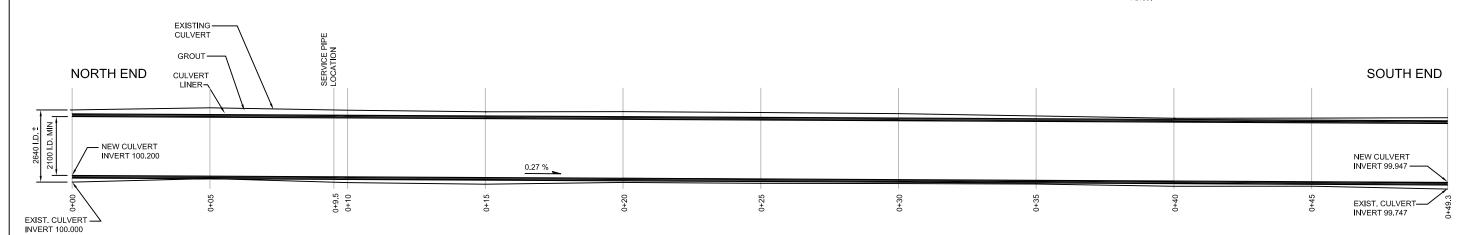
CULVERT CORRUGATIONS
N.T.S.



EXISTING CULVERT



SITE PLAN PHOTO



CULVERT PROFILE

LOCATION APPROVED UNDERGROUND STRUCTURES		B.M ELEV.			DESIGNED BY: D.N.B.	ENGINEER'S SEAL
					DRAWN BY: M.R.T.	SOUNCE OF MA
SUPR. U/G STRUCTURES DATE					CHECKED BY: D.N.B.	SIGNED BY: D.N. BURME\ 2010/11/25
NOTE:					APPROVED BY: D.N.B.	
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					AUTHORIZED BY:	PROFESSION
					1	
		ISSUED FOR TENDER	25/11/10	M.T.	ORIGINAL SIGNED BY D.N. BURMEY	BID OPPORTUNITY
OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.	NO.	REVISION	DATE	BY	D.N. BURMEY BRIDGE MAINTENANCE ENGINEER	882-2010

Winnipeg ENGINEERING DIVISION

SIGNED BY BURMEY

## CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT

PORTAGE AVENUE AT TRURO CREEK CULVERT RELINING

HORIZONTAL: N.T.S. VERTICAL: N.T.S.

SITE PLAN PHOTO, SURVEY DATA, PROFILE & NOTES

CITY DRAWING NUMBER: C307-10-02

SHEET 2 OF 2

**METRIC**