SHEET: COW-A1 (05/2005)

EXISTING DITCH

CENTERLINE TRACK

CENTERLINE SIDING

INSTALL 18M X 450ø CULVERT (2.0mm GA.)

GROUND GRID (BY OTHERS)

TRANSFORMER PADS CONSTRUCTED BY CONTRACTOR AND TRANSFORMERS INSTALLED BY HYDRO.

EMERGENCY GENERATOR BUILDING
MAIN FLR. ELEV. 237.700

CONSTRUCT REINF. 3M X 6M CONC. PAD (SEE STRUCTURAL DWGS)

SITE GRADING FOR GROUND GRID AREA AS DIRECTED BY CONTRACT ADMINISTRATOR

CONSTRUCT CONC. SIDEWALK (SEE STRUCTURAL DWGS)

EXISTING PROPERTY LINE

CONSTRUCT 150mm REINFORCED CONCRETE PAD (NOT IN THIS CONTRACT)

PROPOSED DUCTBANK

INSTALL BOLLARDS (SEE SECTIONS AND DETAILS)

FUTURE ROAD ELEVATIONS

FUTURE ROAD

CONSTRUCT LIP CURB (NOT IN THIS CONTRACT)

GRADING LIMIT FOR GENERATOR BUILDING

FUEL TANK PAD

PROPOSED DUCTBANK

CONTRACT LIMIT

CONSTRUCT 150mm THICK REINFORCED CONCRETE PAD SEE DETAIL 4 WG-C0102

INSTALL 6.8m X 300ø CULVERT (1.6mm GA.)

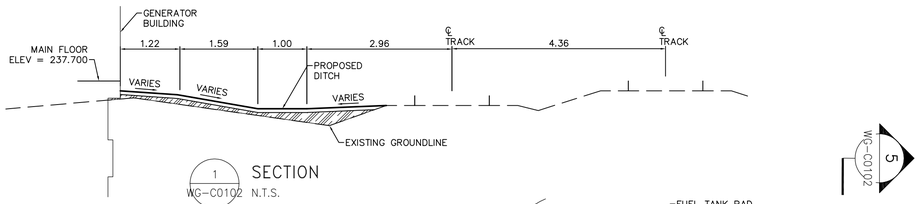
CONSTRUCT 100mm THICK CONCRETE SIDEWALK (NOT IN THIS CONTRACT)

CONSTRUCT LIP CURB (NOT IN THIS CONTRACT)

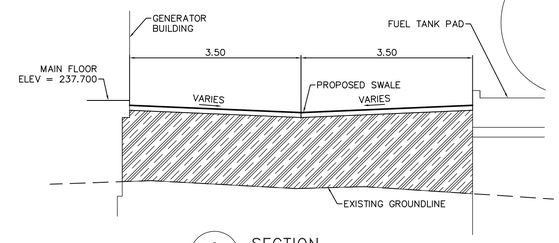
22.4 @ 3.35%
10.78 @ 8.25%
30.9 @ 1.02%
45.6 @ 1.25%
69.3 @ 0.38%
27.92 @ 6.55%
17.53 @ 0.8%
17.53 @ 0.8%

0+400 0+440 0+460 0+480 0+489.154 0+320

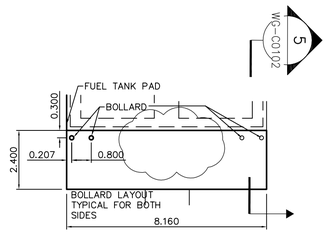
PT = 0+405.962



1 SECTION WG-C0102 N.T.S.

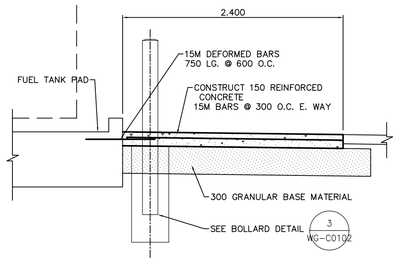


2 SECTION WG-C0102 N.T.S.

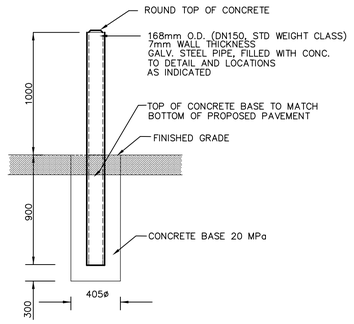


4 DETAIL WG-C0102 N.T.S.

0 10m 20m
SCALE



5 SECTION WG-C0102 N.T.S.



3 DETAIL WG-C0102 N.T.S.

LAYOUT COORDINATES		
STANDBY GENERATOR BUILDING		
GRID No.	NORTHING	EASTING
A1	5524188.169	647813.468
C1	5524177.668	647807.665
A9	5524159.926	647864.574
C9	5524149.425	647858.770
FUEL TANK PAD		
1	5524154.522	647870.114
2	5524150.576	647877.256
3	5524146.444	647865.650
4	5524142.497	647872.791

REFERENCE NOTES:
A. ADD 200.00 TO PROPOSED ELEVATIONS ONLY TO OBTAIN GEODETIC DATUM
B. ALL EXISTING UNDERGROUND UTILITIES SHALL BE CONFIRMED PRIOR TO CONSTRUCTION
C. SOD (NOT IN THIS CONTRACT)
D. REFER TO STRUCTURAL DRAWINGS FOR BUILDING CONSTRUCTION WORKS
E. ALL CONSTRUCTION TO CONFORM TO CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.

EXISTING	LEGEND – PLAN	PROPOSED	EXISTING	LEGEND – PLAN	PROPOSED	EXISTING	LEGEND – PLAN	PROPOSED
150 mm W.M.	WATERMAIN	150 mm W.M.		HYDRO			LIGHT STANDARD	
	HYDRANT			M.T.S.			ANCHOR	
	VALVE			CONCRETE			POLE	
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.		ASPHALT		391.0	CONTOURS	
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.		PROPERTY LINE			RAIL X-ING SIGNAL	
	MANHOLE			SURVEY BAR			℄ RAILWAY TRACK	
	CATCH BASIN		232.750	ELEVATION	32.750		DITCH	
	CURB INLET		2500ø	TREE				
	JUNCTIONS			ANODE				
	CULVERT			CONCRETE SIDEWALK				
	GAS			FENCE				

APEGM
Certificate of Authorization
Earth Tech Canada Inc.
No. 730 Expiry: April 30, 2007

B.M. PILE NO. 136
N=5523873.734, E=647764.406
ELEV. ELEV.= 236.242

NO.	REVISIONS	DATE	BY
01	498-2006 ADDENDUM 6	06/10/13	JNC
00	ISSUED FOR TENDER	06/08/30	JNC

CH2MHILL
Fredrickson Cooper ARCHITECTS
EarthTech A Tyco International Ltd. Company

DESIGNED BY	JNC	CHECKED BY	
DRAWN BY	PAAP	APPROVED BY	ALBERT LI
SCALE:	1:200	RELEASED FOR CONSTRUCTION BY:	RON SOROKOWSKI
DATE	2006/06/15	DATE	2006/08/30

ENGINEER'S SEAL
ORIGINAL SIGNED BY
JEFF CRANG
2006/08/28

CONSULTANT DRAWING NO.
WG-C0102

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

WATER TREATMENT PLANT
STANDBY POWER GENERATOR

CIVIL
GENERATOR BUILDING, TRANSFORMER AND FUEL TANKS GRADING PLAN

CITY FILE NUMBER
SHEET OF
CITY DRAWING NUMBER
1-0601G-A-C0102-001-01D

Last Save: 2006-10-13 4:23 PM

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