



NOTE ELEVATIONS FOR TOP OF GROUND BEHIND HEADWALL AND RETAINING WALL

LOT 16 DRAIN

KENASTON BLVD./BISHOP GRANDIN BLVD.  
SHOULDER

500x1000x300 THK. PROPOSED RIPRAP FOR DRAIN PIPE. DRAIN PIPE EXTENDED UNTIL DAYLIGHTED THROUGH EMBANKMENT  
APPROX. WATER LEVEL JULY 8, 2009 AND JANUARY 18, 2011 ELEV.=229.10

INVERT ELEV.=229.5  
C.O.W. R.O.W.

TRANSITION SLOPE TO MATCH EXISTING OVER 10m

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BENCHMARK: 84R635 - Lake Crest Rd. & Waverley St., Tblt. on top of 0.05m dia. x 2.4m iron pipe, 14.2m N. of S.L. of Lake Crest Rd. & 0.6m E. of E.L. of Waverley St.

APPROX. WATER LEVEL JULY 8, 2009 AND JANUARY 18, 2011 ELEV.=229.10

500x1000x300 THK PROPOSED RIPRAP FOR DRAIN PIPE. DRAIN PIPE EXTENDED UNTIL DAYLIGHTED THROUGH EMBANKMENT

**APEGM**  
Certificate of Authorization  
Stantec Consulting Ltd.  
No. 1301 Date: \_\_\_\_\_

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.			
NO.	REVISIONS	DATE	BY

B.M. 76-030			
ELEV. 232.457m			
0	ISSUED FOR TENDER	11.07.15	K.S.A.

**Stantec Consulting Ltd.**  
905 Waverley Street, Winnipeg, Manitoba  
Tel 204-489-5900 Fax 204-453-9012

DESIGNED BY	K.S.A.	CHECKED BY	B.J.W. / K.S.A.
DRAWN BY	J.M.B.	APPROVED BY	K.S.A.
HOR. SCALE:	1:150	RELEASED FOR CONSTRUCTION:	
VERTICAL:		DATE	09.12.11

ENGINEER'S SEAL  
PROVINCE OF MANITOBA  
K. S. AMY  
REGISTERED PROFESSIONAL ENGINEER  
MEMBER 23572  
CONSULTANT DRAWING NO. SS-104

**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION

**WWARP PART I**  
KENASTON BOULEVARD EXTENSION - N.B. LANES  
NORTH TOWN ROAD TO BISHOP GRANDIN BOULEVARD  
CONCRETE CULVERT EXTENSION  
SITE PLAN - COMPLETED CULVERT EXTENSION

SHEET 42 OF 65  
CAD FILE DRAWING NUMBER 04840ss-104-727.dwg  
CITY DRAWING NUMBER C375-II-04

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Date: 2011 Jul 15 11:35am Login: GSA, 1066