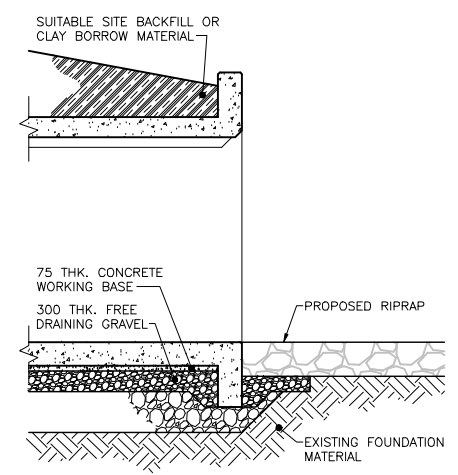
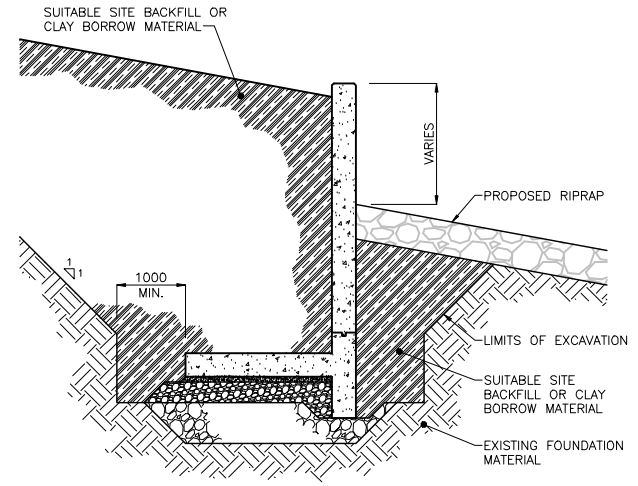


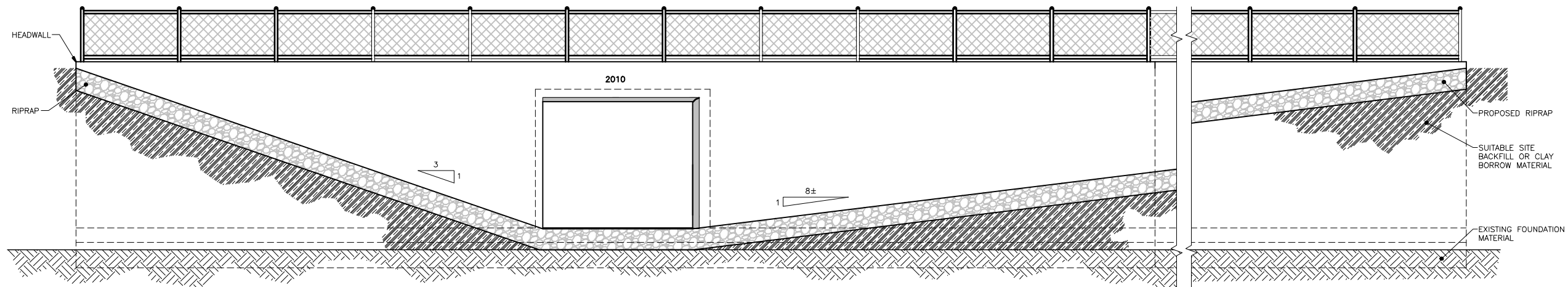
DETAIL OF CULVERT FILL



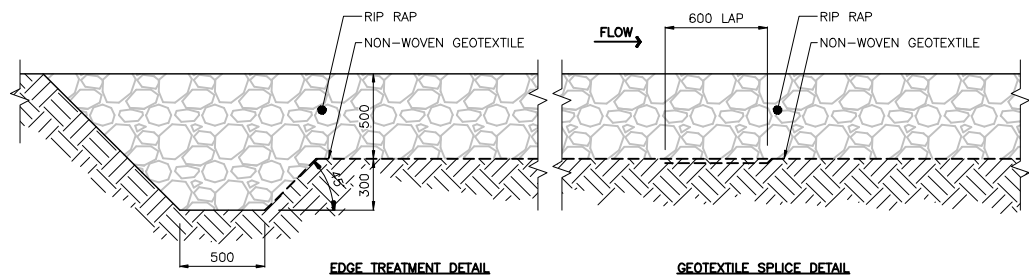
DETAIL OF OUTLET FILL



DETAIL OF HEADWALL & WINGWALL FILL



DETAIL OF HEADWALL & WINGWALL FILL



RIPRAP DETAILS
1:20

LOCATION APPROVED UNDERGROUND STRUCTURES COMMITTEE

SUPV. U/G STRUCTURES 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
0	ISSUED FOR TENDER	11.01.06	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	K.S.A.
DRAWN BY	J.M.B.	APPROVED BY	K.S.A.
SCALE:	1:50	RELEASED FOR CONSTRUCTION:	
	U.N.O.	DATE	09.12.11

ENGINEER'S SEAL

CONSULTANT DRAWING NO.
SS-105

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

Winnipeg

KENASTON BOULEVARD
AT BISHOP GRANDIN BOULEVARD
CONCRETE CULVERT EXTENSION
EXCAVATION & EARTHWORK DETAILS

SHEET	6	OF	13
CAD FILE DRAWING NUMBER	04840s-105-727.dwg		
CITY DRAWING NUMBER	C375-10-06		

