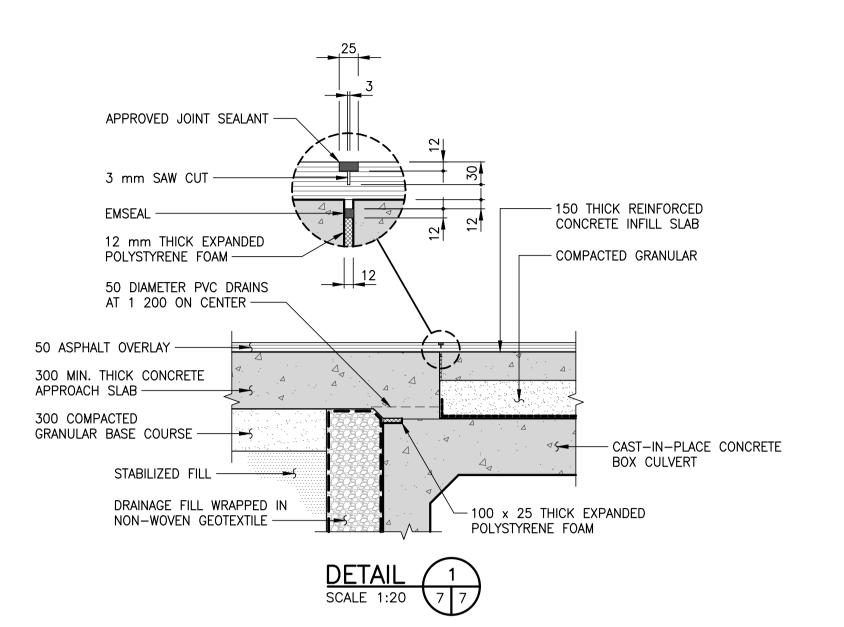
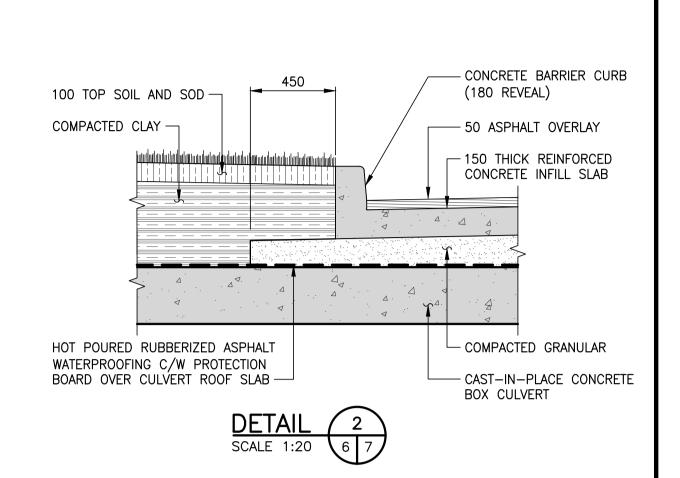
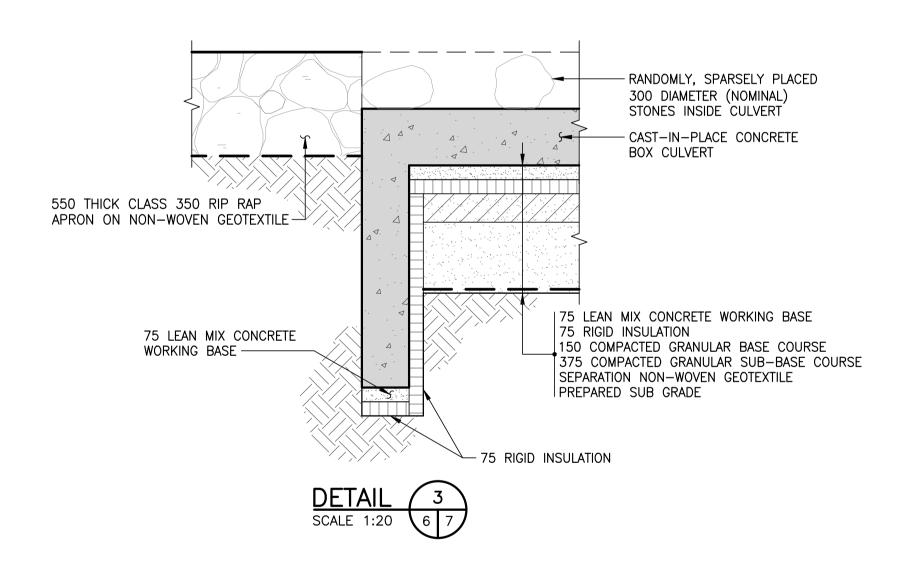
TYPICAL CROSS-SECTION PERPENDICULAR TO CULVERT (A

4 000

1 000







600

75 LEAN MIX CONCRETE WORKING BASE

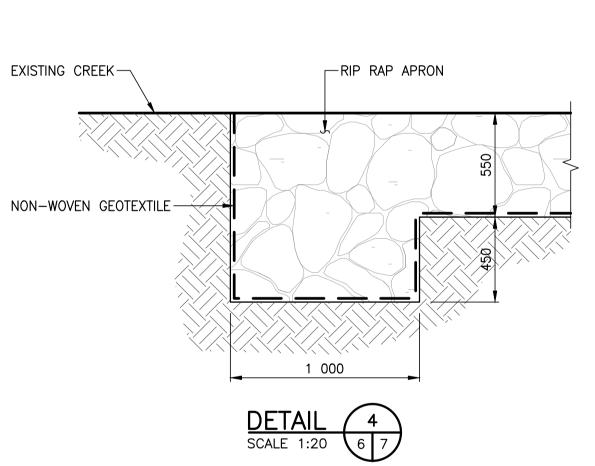
SEPARATION NON-WOVEN GEOTEXTILE

150 COMPACTED GRANULAR BASE COURSE

375 COMPACTED GRANULAR SUB-BASE COURSE

75 RIGID INSULATION

PREPARED SUB GRADE



-150 DIA. HDPE PERFORATED DRAIN C/W GEOTEXTILE FILTER SOCK (MIN. 1% CROSS

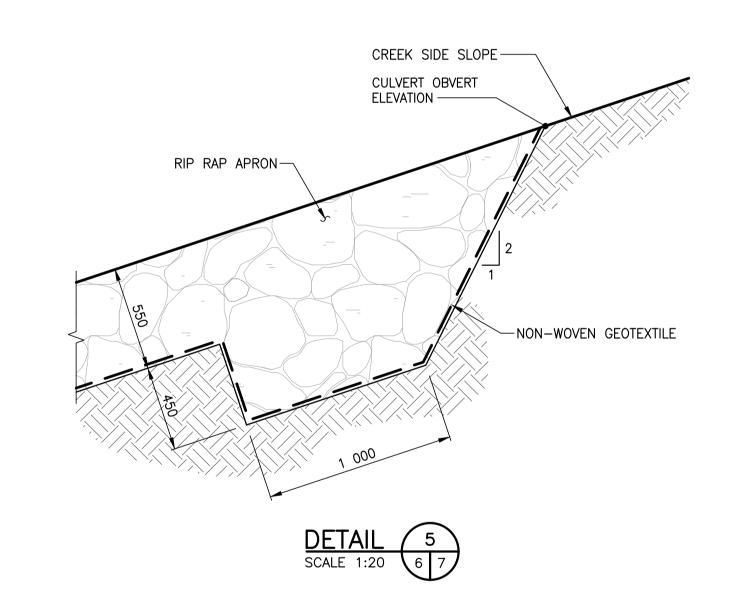
GEOTEXTILE. TYPICAL BEHIND HEAD WALLS, WING WALLS AND RETAINING WALL.

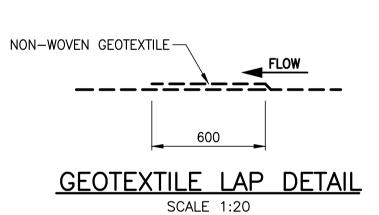
- EXISTING 2.50 m WIDE x 1.75 m HIGH

CMP ARCH CULVERT TO BE DEMOLISHED

DAYLIGHT DRAIN THROUGH HEAD WALL APPROX. 300 mm ABOVE CULVERT INVERT

SLOPE FROM CENTER OF CULVERT) AND 300 DRAINAGE FILL WRAPPED IN NON-WOVEN





METRIC

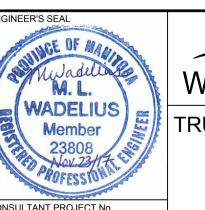
WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES

ENGINEERS GEOSCIENTISTS **Certificate of Authorization WSP Canada Group Limited**

No. 6657

LOCATIONS APPROVED UNDERGROUND STRUCTURES							
SIGNED BY:							
SUPV U/G STRUCTURES DATE							
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							
EXISTANCE AND EXACT LOCATION OF ALL SERVICES	_						
MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING	_						
	-						

G.B.M. = TOP NUT OF FIRST HYDRANT SOUTH OF INTERSECTION BETWEEN NESS AVENUE AND LINWOOD STREET ELEV. = 233.659				11		93 Lomba	anada Group Limited rd Avenue, Suite 111 nipeg MB R3B 3B1 T+ 1 204-943-3178 F+ 1 204-943-4948 www.wsp.com	ENGINEER'S S
				DESIGNED BY	MLW	CHECKED BY	WC	WA WA
				DRAWN BY	СР	APPROVED BY	JL	FRED PR
		47.44.00		HOR. SCALE	AS SHOWN AS SHOWN	RELEASED FOR CONSTRUCTION		CONSULTANT
	0 ISSUED FOR TENDER	17.11.23	JL	VERTICAL	AGGITOWN			17M
١	lo. REVISIONS	DATE	BY	DATE	17.11.23	DATE		17101



THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT

Winnipeg **ENGINEERING DIVISION** TRURO CREEK CULVERT REPLACEMENT AT WINCHESTER STREET

C322-17-07 BID OPPORTUNITY NUMBER 1014-2017 SHEET

These design documents are prepared solely for the use by the party with whom the design professional has entered into a contract and there are no representations of any kind made by the design professional to any party with whom the design professional has not entered into a contract.

M-00806-00

SECTIONS AND DETAILS