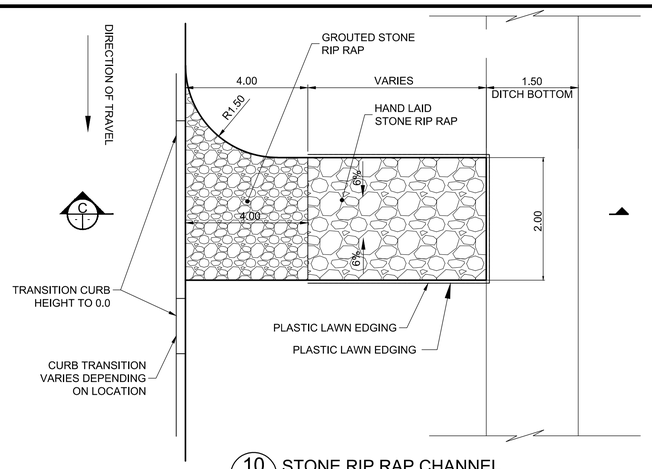
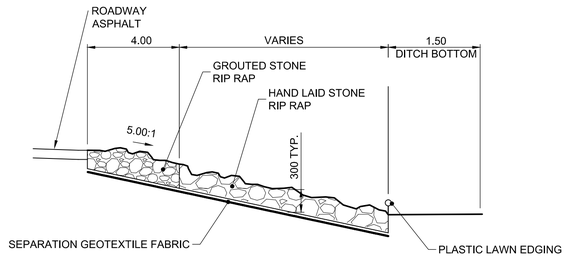
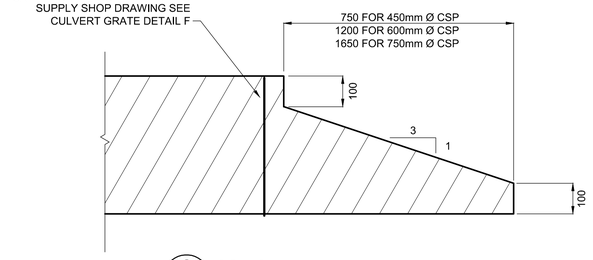


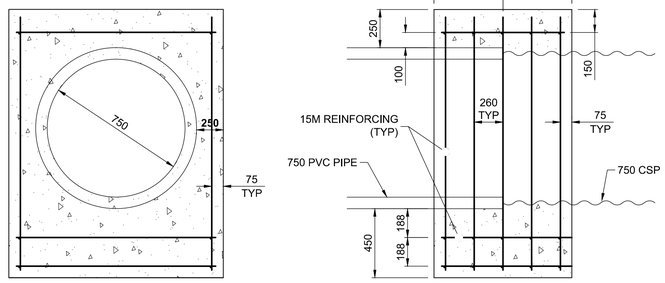
10 STONE RIP RAP CHANNEL
SCALE : NTS



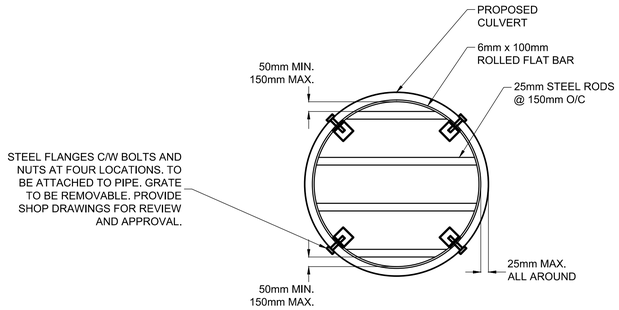
C STONE RIPRAP CHANNEL SECTION
SCALE NTS



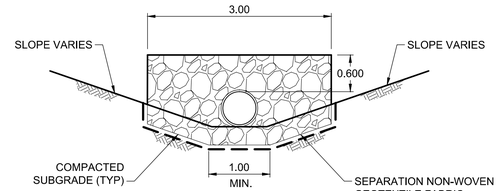
6 CSP CULVERT BEVELLED END
SCALE 1:10



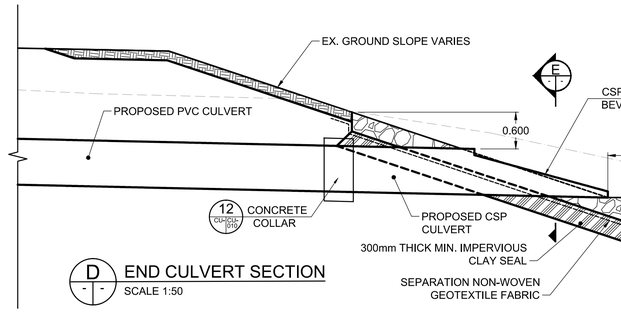
12 CONCRETE COLLAR
SCALE N.T.S.



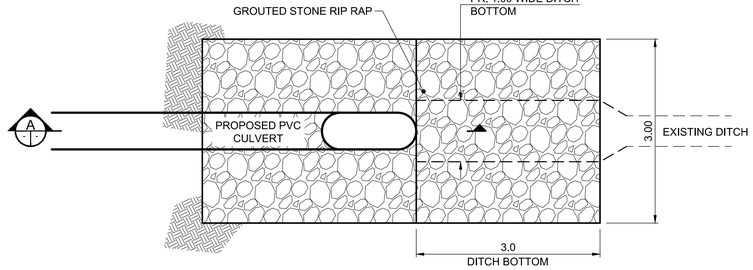
F CULVERT GRATE
SCALE 1:10



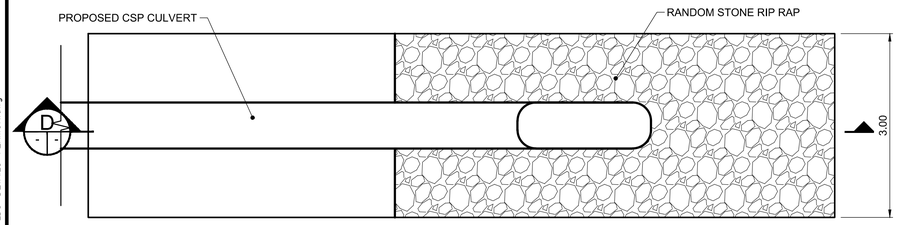
B SECTION
SCALE 1:50



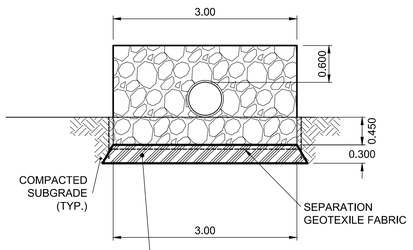
D END CULVERT SECTION
SCALE 1:50



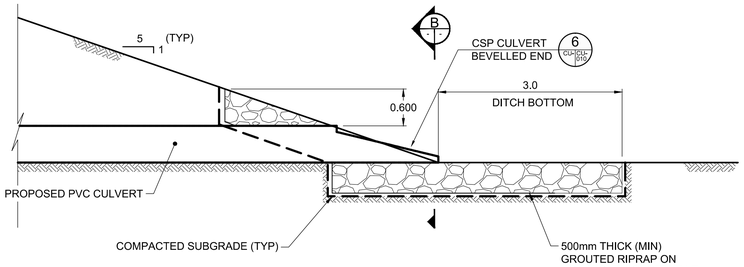
8 CULVERT INLET/OUTLET
SCALE 1:50



7 DRAINAGE OUTLET TO RIVER
SCALE 1:50



E SECTION
SCALE 1:50



A SECTION
SCALE 1:50

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:

1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
2. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.
3. OBTAIN EXCAVATION PERMITS PRIOR TO CONSTRUCTION.

APEGM
Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 **Date:** 18/02/01

150 WM	WATERMAIN	150 WM		CONCRETE		150 WM	WATERMAIN	150 WM
	HYDRANT			ASPHALT		300 LDS	LAND DRAINAGE SEWER	300 LDS
	VALVE			PLANING		250 WWS	WASTE WATER SEWER	250 WWS
	MANHOLE			SIDEWALK			HYDRANT	
	CATCH BASIN			PAVING STONES			VALVE	
	CURB INLET			PARTIAL DEPTH REPAIR			℄ PROFILE	
300 LDS	LAND DRAINAGE SEWER	300 LDS		PROPERTY LINE			NORTH/WEST GUTTER	
250 WWS	WASTE WATER SEWER	250 WWS		DRAINAGE ARROW			SOUTH/EAST GUTTER	
HYDRO	HYDRO	HYDRO		CURB RAMP (SD-229C)			NORTH/WEST DITCH	
MTS	M.T.S.	MTS		DETECTABLE WARNING SURFACE TILE (SD-229AA)			SOUTH/EAST DITCH	
100 GAS	GAS	100 GAS						
EXISTING	LEGEND–PLAN	PROPOSED	EXISTING	LEGEND–PLAN	PROPOSED	EXISTING	LEGEND–PROFILE	PROPOSED

UNDERGROUND STRUCTURES

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 EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

NO.	REVISIONS	DATE	BY
	B.M. ELEV.		
0	ISSUED FOR TENDER	18/02/09	WPN

DESIGNED BY –
DRAWN BY –
CHECKED BY –
APPROVED BY –
HOR. SCALE 1:500
VERTICAL 1:50
RELEASED FOR CONSTRUCTION
DATE

DILLON CONSULTING

ENGINEER'S SEAL
PROVINCE OF MANITOBA
W.P. NAIRN
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT PROJECT NUMBER
17-5932

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

FERMOR AVENUE BRIDGE OVER SEINE RIVER
BRIDGE REHABILITATION, PEDESTRIAN-CYCLIST UNDERPASS STRUCTURE AND ROADWORKS FROM ST. ANNE'S ROAD TO ARCHIBALD STREET

CITY DRAWING NUMBER P-3489-2017-CU-010
SHEET 010 OF 11
CONSULTANT DRAWING NUMBER CU-010

LDS STANDARD DETAILS 2

G:\CAD\175932\Drawings\Utilities\Contract\175932-CON-CU-LDS-DETAILS-FERMOR.dwg