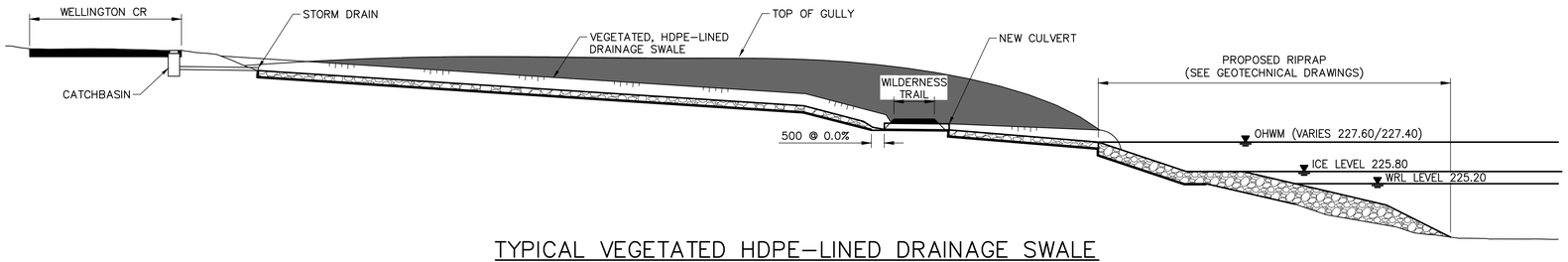
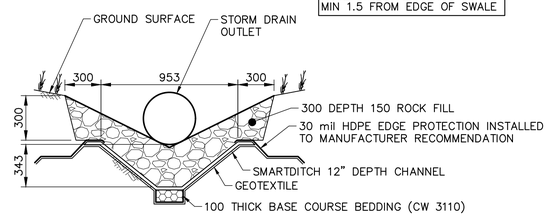


TYPICAL VEGETATED HDPE-LINED DRAINAGE SWALE

SCALE: NTS

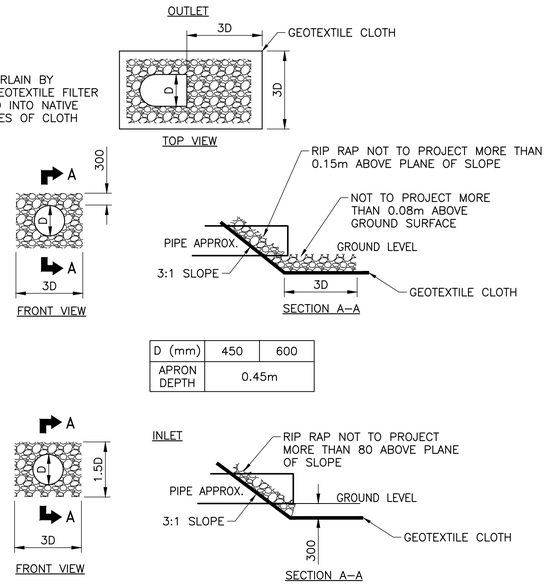
NOTE: TREE PLANTINGS TO BE MIN 1.5 FROM EDGE OF SWALE



TYPICAL SWALE SECTION

SCALE: 1:20

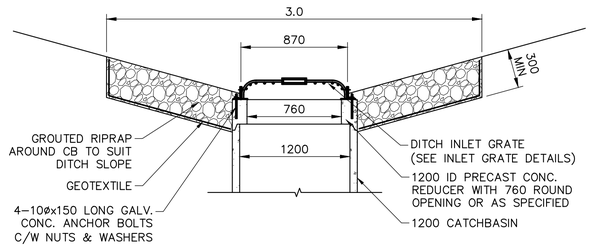
NOTES:
1. RIP RAP TO BE UNDERLAIN BY MEDIUM THICKNESS GEOTEXTILE FILTER CLOTH THAT IS KEYED INTO NATIVE MATERIAL AT ALL EDGES OF CLOTH



D (mm)	450	600
APRON DEPTH	0.45m	

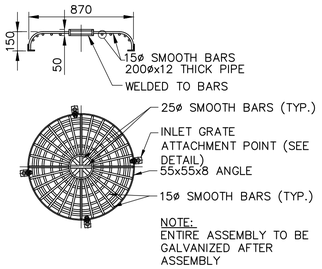
CULVERT INLET RIPRAP PLACEMENT

SCALE: NTS



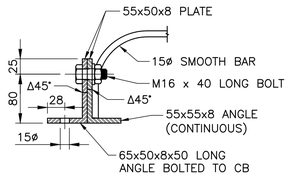
BEEHIVE CATCH BASIN DETAIL

SCALE: 1:25



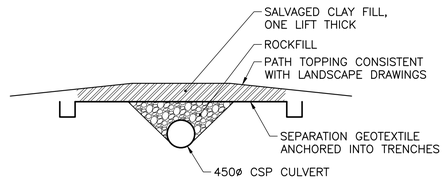
BEEHIVE INLET GRATE DETAIL

SCALE: 1:25



BEEHIVE INLET GRATE ATTACHMENT DETAIL

SCALE: 1:5



PROPOSED CSP SWALE CROSSING DETAIL

SCALE: NTS

PROPERTY LIMITS DELINEATION

DELINEATION OF PROPERTY LIMITS AS SHOWN ON THIS DWG DOES NOT REPRESENT A "LEGAL SURVEY". KGS GROUP MAKES NO REPRESENTATION OR WARRANTY AS TO THE ACCURACY OF PROPERTY LIMITS DELINEATED ON THIS DWG, NOR ON THE DIMENSIONAL ACCURACY OF DWG FEATURES RELATIVE TO THOSE PROPERTY LIMITS.

WARNING

NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.

TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.

SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED
300 LDS	LAND DRAINAGE SEWER	300 LDS						
250 WWS	WASTE WATER SEWER	250 WWS		TEST HOLE				
	GAS			GUY WIRE				
	HYDRO			LIGHT STANDARD			℄ PROFILE	
	M.T.S.			BACK OF CURB			NORTH & WEST GUTTER	
150 WM	WATERMAIN	150 WM		CONCRETE			SOUTH & EAST GUTTER	
	HYDRANT			ASPHALT			NORTH & WEST DITCH	
	VALVE			SIDEWALK			SOUTH & EAST DITCH	
	MANHOLE			PROPERTY LINE			N/W LANE PL	
	CATCH BASIN			SURVEY BAR			S/E MEDIAN PL	
	CURB INLET			GEODETIC BENCHMARK		C	PARKING/DRIVEWAY	
	POLES T-MTS H-HYDRO		231.334	ELEVATION	232.231		WINDOW/DOOR SILL	

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.

B.M. KGS_BASE
ELEV. 249.213
COORDINATE SYSTEM: CGVD28

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	20/10/05	RBO

KGS GROUP

DESIGNED BY NGV	CHECKED BY
DRAWN BY GEL	APPROVED BY
HOR. SCALE: AS NOTED VERTICAL: –	RELEASED FOR CONSTRUCTION:
DATE 04/21/20	DATE

ENGINEER'S SEAL

CONSULTANT DRAWING NO.
CU-07g

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

PROJECT TITLE
WELLINGTON CRESCENT
RIVERBANK, PATH AND
ROADWAY PROJECT
STORM DRAIN
DETAILS

SHEET 33 OF 69

COMPUTER FILE NAME

CITY DRAWING NUMBER
P-3536-26

R:\PROJECTS\2018\18-0107-011\DWG\MUN\18-0107-011_CALL STORM DRAINS.DWG
PLOT 1:1 (A-1)