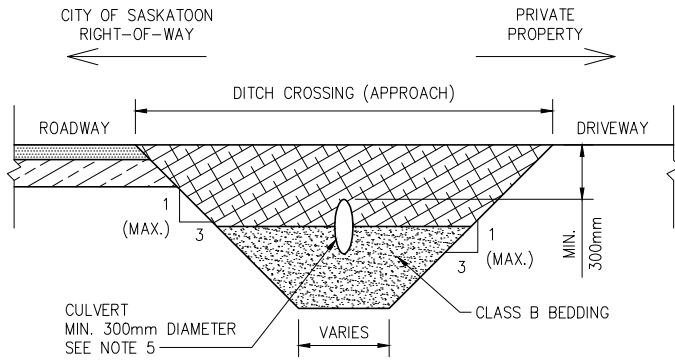
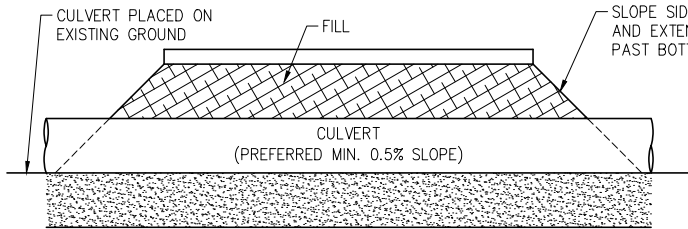


PLAN VIEW

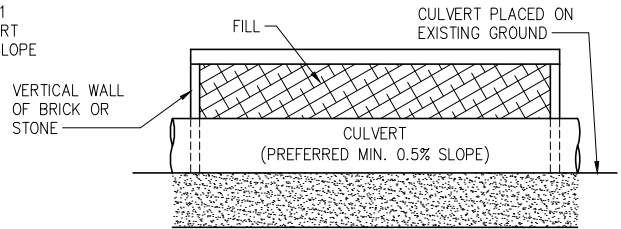


PROFILE VIEW
3X VERTICAL EXAGGERATION



SECTION A-A - OPTION 1
3X VERTICAL EXAGGERATION

* IF DITCH CROSSINGS (APPROACHES) ARE IN CLOSE PROXIMITY THAT DOES NOT ALLOW 3:1 SIDE SLOPE, OPTION 2 (VERTICAL SIDE WALL) SHALL BE USED.



SECTION A-A - OPTION 2
3X VERTICAL EXAGGERATION

NOTES:


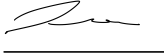
1. MAXIMUM DRIVEWAYS WIDTHS SHALL BE THE LESSER OF:
 - 1.1. RESIDENTIAL = 6.1m
 - 1.2. COMMERCIAL = 10.7m
 - 1.3. INDUSTRIAL = 12.2m
 OR
- 1.4. PRIVATE PROPERTIES IN MONTGOMERY PLACE WITH DITCH & CULVERT DRAINAGE MAY HAVE A MAXIMUM CROSSING WIDTH OF ONE-THIRD OF PROPERTY FRONTAGE UP TO A MAXIMUM OF 16m.
2. MINIMUM CULVERT SIZES SHALL:
 - 2.1. RESIDENTIAL = 300mm
 - 2.2. COMMERCIAL = 450mm
 - 2.3. INDUSTRIAL = 450mm
3. ANY ALTERNATE CULVERT SIZE AND MINIMUM COVER SHALL BE REVIEWED AND APPROVED BY THE CITY.
4. ALL DRIVEWAYS REQUIRE AN APPLICATION FOR A PRIVATE DRIVEWAY CROSSING PERMIT.
5. CULVERT MATERIAL SPECIFICATIONS:
 - 5.1. CORRUGATED STEEL PIPE (CSP)
 - 5.1.1. 68mm x 13mm CORRUGATION PROFILE.
 - 5.2. POLYVINYL CHLORIDE (PVC)
 - 5.2.1. SOLID WALL PVC
CERTIFIED TO CSA B182.2 AND CONFORMING TO ASTM D3034 WITH MINIMUM PIPE STIFFNESS OF 320MPa @ 5% DEFLECTION.
 - 5.2.2. PROFILE PIPE
CERTIFIED TO CSA B182.4 AND CONFORMING TO ASTM F794 WITH MINIMUM PIPE STIFFNESS OF 320MPa @ 5% DEFLECTION.
 - 5.3. REINFORCED CONCRETE PIPE (RCP)
 - 5.3.1. 300mm - 600mm COVER
RCP TO BE ASTM CLASS V.
 - 5.3.2. MORE THAN 600mm COVER
RCP CLASS TO BE REVIEWED AND APPROVED BY THE CITY.
 - 5.4. CORRUGATED POLYETHYLENE (CPE)
 - 5.4.1. CERTIFIED TO CSA 182.8 AND CONFORMING TO ASTM 3350 WITH MINIMUM PIPE STIFFNESS OF 320MPa @ 5% DEFLECTION.

PLAN DESCRIPTION/REVISION	DATE	BY
1 ORIGINAL DRAWING	2000-JUL-26	MRH
2 DIMENSION CHANGE AND NOTES ADDED	2018-MAR-05	EDH
3 ADDED MONTGOMERY PLACE MAXIMUM CROSSING WIDTH AND	2019-DEC-31	DLH
3 CULVERT MATERIAL SPECIFICATIONS	2019-DEC-31	DLH



**City of
Saskatoon**

STANDARD DITCH CROSSING
CULVERT REQUIREMENTS

APPROVALS	
 SIGNATURE Mitchell McMann	 SIGNATURE Maciej Jurkiewicz
NAME J	NAME Jan 22, 2021
DATE SIGNED	DATE SIGNED
SCALES: HOR. 1:125 VERT. AS NOTED	PLAN NO. 102-0018-009r003