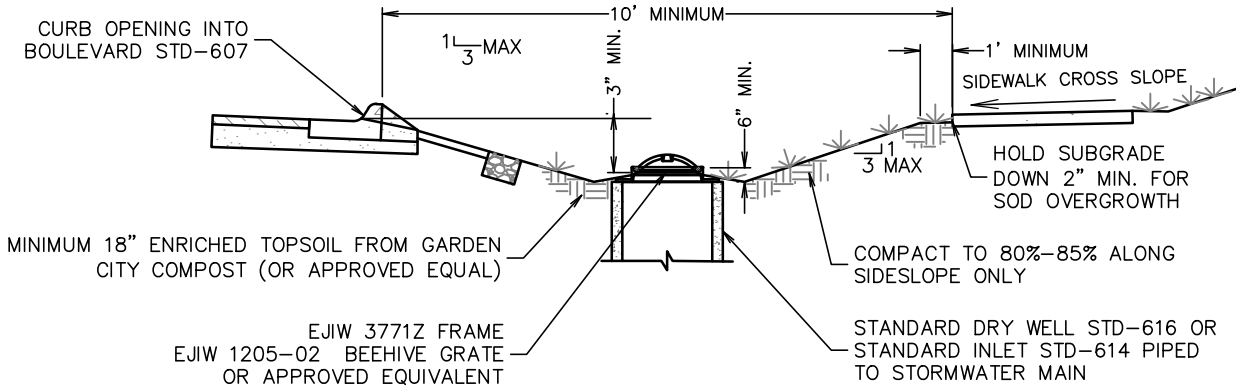
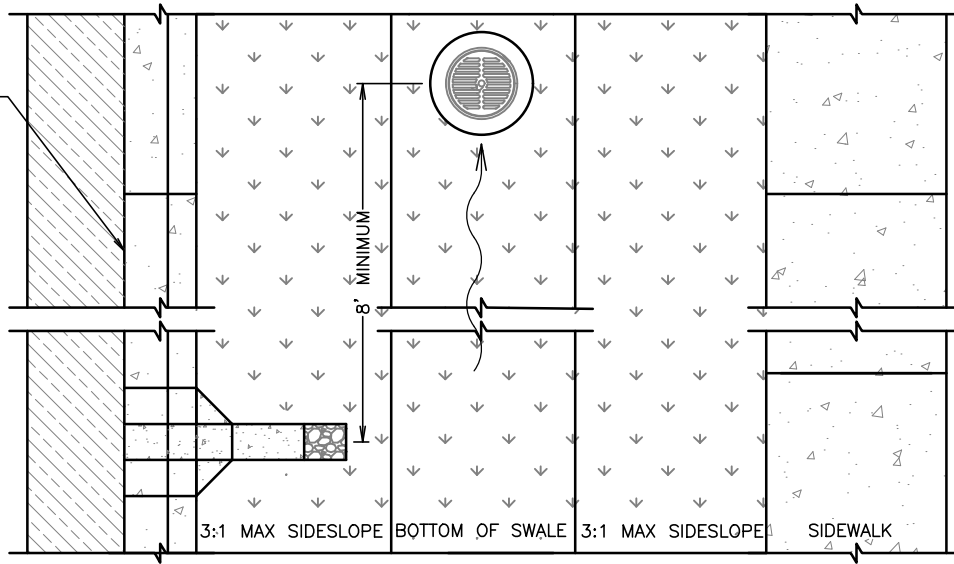


TYPICAL "L" TYPE CURB/GUTTER SECTION STD-740



GENERAL NOTES:

1. CONSTRUCTION MATERIALS AND PROCEDURES SHALL COMPLY WITH MONTANA PUBLIC WORKS STANDARD SPECIFICATIONS (MPWSS), 7TH EDITION, APRIL 2021, AS MODIFIED BY THE MISSOULA CITY PUBLIC WORKS STANDARDS AND SPECIFICATIONS MANUAL, APPENDIX 2-A (STANDARD MODIFICATIONS TO MPWSS), CURRENT EDITION.
2. SWALE DESIGN WIDTH, LENGTH AND DEPTH WILL VARY AS REQUIRED TO PROVIDE ADEQUATE TREATMENT STORAGE FOR THE GIVEN STORM VOLUME.
3. DRY WELL/INLET SHALL BE INSTALLED A MINIMUM OF 8 FT FROM THE NEAREST CURB OPENING TO PREVENT DIRECT INFLOW INTO THE OVERFLOW GRATE. PROVIDE A MINIMUM OF 3 INCH FREEBOARD BETWEEN THE LOWEST SWALE INLET AND THE BASE OF THE TOP OF THE BEEHIVE GRATE.
4. SWALES WITH LONGITUDINAL SLOPE STEEPER THAN 2% SHALL HAVE CHECK DAMS INSTALLED.
5. PROVIDE A MINIMUM 1 FT FLAT AREA ADJACENT TO SIDEWALK WHEN USING A SIDE-SLOPE NO STEEPER THAN 3:1. IF FLAT AREA IS NOT PROVIDED ADJACENT TO SIDEWALK, THEN USE A SIDE-SLOPE NO STEEPER THAN 4:1.
6. NO COMPACTION IN SWALE BOTTOM.
7. UTILITY SERVICE LINES SHALL NOT BE INSTALLED THROUGH BIOSWALES.
8. UNDERDRAINS SHALL BE UTILIZED IF SOIL BELOW IS FOUND TO DRAIN POORLY OR IF BIOSWALE IS UPSTREAM OF A PIPED STORMWATER SYSTEM.
9. BIOSWALE LANDSCAPING SHALL COMPLY WITH MISSOULA CITY MODIFICATION TO MPWSS SECTION 02900. BIOSWALES SHALL INCLUDE TREE PLANTINGS, EXCEPT DIRECTLY OVER UNDERDRAIN SYSTEMS, AND SHALL COMPLY WITH THE PARKS APPROVED STREET TREE LIST FOR "SWALE SUITABLE" TREES. TREES SHALL BE PLANTED PER PARKS AND RECREATION BALL AND BURLAP PLANTING SPECIFICATION WITH THE EXCEPTION THAT THEY ARE TO BE PLANTED 6" ABOVE FINAL GRADE.
10. TREES SHALL BE PLANTED A MINIMUM OF 10 FT FROM THE EDGE OF THE DRY WELL CONCRETE STRUCTURE.



Engineering Division

Bioswale

Approved By  
Utility Engineer  
Andy Schultz, PE

Revised: 01/01/2023

STD - 620