PARKWAY SWALE WITH NO STREET PARKING

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STANDARD PLAN
S-483-0

SUPERSEDES
S-410
S-480
S-484

REFERENCES

VAULT INDEX NUMBER
B-4642

SHEET 1 OF 8 SHEETS
INLET PIPES AT FACE OF WARPED CURB AND GUTTER

OUTLET PIPES AT FACE OF CURB

TYPICAL TRANSVERSE BRACE WALL
PLANTING TEMPLATES (SCHEMATIC ONLY*)

* SEE APPROVED PLANT MATERIAL LIST ON SHEET 9 OF STANDARD PLAN NO. S-484.
PLANTED FOREBAY WITH APPROVED TOPSOIL IS REQUIRED. PLANTING PLANS MAY BE ALTERNATED OR COMBINED.

PLANTING MATERIALS AND OBJECTIVES:

FOREBAY: REDUCE INFLOW VELOCITY AND REDUCE EROSION.

TYPE A:
INCLUDES A PLANTED FOREBAY. USE INUNDATION TOLERANT SPECIES WITH GROWTH FORMS THAT REDUCE INFLOW VELOCITY AND ROOTS THAT ASSIST IN EROSION CONTROL. INSTALL WITH MULCH OR PEAGRAVEL.

TYPE B:
INUNDATION AND DROUGHT TOLERANT SPECIES WITH ROOT SYSTEMS THAT RESISTS EROSION. INSTALL WITH MULCH OR PEAGRAVEL.
1. PARKWAY SWALE SHALL CONFORM TO REQUIREMENTS SPECIFIED IN STANDARD PLAN S-480, LATEST EDITION.
2. PARKWAY SWALES SHALL ONLY BE CONSTRUCTED IN AREAS WITH WELL DRAINING SOILS. THE MINIMUM SITE SOIL PERCOLATION RATE SHALL BE 0.5 INCHES PER HOUR.
3. PARKWAY SWALE STANDARD PLANS SHALL NOT BE USED IN LOCATIONS WITH A LONGITUDINAL STREET SLOPE GREATER THAN 5 PERCENT. WHERE THE STREET LONGITUDINAL SLOPE EXCEEDS 2%, USE THE TRANSVERSE BRACE WALLS AS CHECK DAMS TO LIMIT THE LONGITUDINAL SLOPE WITHIN THE SWALE TO 2% MAX. SEE LONGITUDINAL SWALE SECTION FOR ADDITIONAL INFORMATION.
4. PARKWAY SWALE SHALL BE LOCATED SO AS NOT TO REQUIRE ANY RELOCATION OF EXISTING STREET LIGHTS, TRAFFIC LIGHTS, UTILITY POLES, OR REMOVAL OF STREET TREES. SEE DWP POLE AND ANCHOR CLEARANCES PLAN FOR PARKWAY SWALE SETBACKS FROM UTILITY POLES AND ANCHOR RODS.
5. MINIMUM LENGTH OF SWALE TO BE 16 FEET AND MAXIMUM LENGTH TO BE 20 FEET.
6. CONSTRUCT CONCRETE SIDEWALK WHEN SPECIFIED ON PLAN. SIDEWALK TO BE MINIMUM 5'-0" IN CLEAR WIDTH.
7. FOR PARKWAY SWALE INSTALLATIONS IN EXISTING SIDEWALKS, REPAIR/REPLACE ANY PORTIONS OF SIDEWALKS TO REMAIN WHICH ARE DAMAGED, SEVERELY CRACKED AND/OR UPLIFTING.
8. A MINIMUM 4-FOOT WIDE CONCRETE WALKWAY SHALL BE PROVIDED AT EACH END OF SWALE FOR PEDESTRIAN TRAVEL.
9. LOCAL DEPRESSION (WARPED GUTTER) PER APWA STANDARD PLAN 313, EXCEPT FOR "K" DIMENSION AS SHOWN HEREON. PROVIDE MINIMUM 8-INCH THICK COMPACTED CRUSHED MISC. BASE BELOW WARPED GUTTER.
10. CONSTRUCT INTEGRAL CURB AND GUTTER PER STANDARD PLAN S-410 WHEN SPECIFIED ON PLANS.
11. ALL CONCRETE SHALL BE CLASS 520-C-2500 PORTLAND CEMENT CONCRETE.
12. CURB WALLS, END WALLS, AND TRANSVERSE BRACE WALLS SHALL EACH BE Poured MONOLITHIC. Joints between Walls shall be sealed per sect.303-1.8.7 of the Green Book.
13. ALL CURB, BRACE AND ENDS WALLS TO HAVE 3/8-INCH RADIUS ROUNDED CORNERS AT TOP EDGES.
14. EXPANSION JOINTS SHALL BE PROVIDED WITH APPROVED POLYSTYRENE JOINT FILLER AND TWO-PART POLYURETHANE SEALANT.
15. PLACEMENT OF GEOFABRICATION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECT 305-8 OF THE GREEN BOOK.
16. IMPERMEABLE LINER TO BE A MINIMUM OF 18 MIL THICKNESS.
17. CEMENT GROUT SHALL BE COMPOSED OF ONE PART CEMENT, THREE PARTS SAND AND THE MINIMUM AMOUNT OF WATER NECESSARY FOR THE MIXTURE TO FLOW UNDER ITS OWN WEIGHT.
18. COBBLE STONES TO BE ROUNDED AND 2-INCH TO 4-INCH IN DIAMETER AND SHALL BE EMBEDDED ONE INCH MINIMUM INTO TWO INCH THICK CEMENT GROUT.
19. PLACEMENT OF GRAVEL (1-INCH PERMEABLE AGGREGATE BASE) TO BE SELF COMPACTION.
20. COMPACT TOP SOIL TO 80-85 PERCENT RELATIVE COMPACTION. TOP SOIL TO BE PLACED IN A MINIMUM OF TWO EQUAL LIFTS, IN ORDER TO MINIMIZE COMPACTION AND EXCESSIVE SETTLEMENT.
21. SOIL AMENDMENTS SHALL CONFORM TO THE REQUIREMENTS OF S-480.
22. A TEMPORARY IRRIGATION SYSTEM IS REQUIRED TO BE INSTALLED FOR PLANT ESTABLISHMENT.
23. INLET AND OUTLET PIPES SHALL BE GALVANIZED 4" DIAMETER STANDARD PIPE.