END WALL TO BE SAME HEIGHT AND DEPTH AS CURB WALL

CURB WALL WITH IMPERMEABLE LINER

GROUTED COBBLES (SEE NOTE NO.18)

SIDWALK

(C) OR NEW 4" THK CONCRETE PAVEMENT

CURB WALL WITH IMPERMEABLE LINER

(D) OR NEW TYPE "C" INTEGRAL CURB AND GUTTER

NOTE: TOP SLAB NOT SHOWN FOR CLARITY.

PARTIAL PLAN
TOP AND BOTTOM OF OUTLET STRUCTURE

NOTE: SEE SHT 2 FOR OUTLET STRUCTURE TOP SLAB DETAILS

SEE SECTION 6-6 ON SHT. 2 FOR DETAILS OF TOP SLAB

6" THK GUTTER

6" THK SLAB

END WALL (BEYOND)

BOTTOM SLAB OF OUTLET STRUCTURE TO BE LEVEL

SECTION C-C
TOP AND BOTTOM OF OUTLET SECTION

STANDARD PLAN NO. S-481-0

B-4644 SHEET 4 OF 8 SHEETS
SECTION D-D

LONGITUDINAL SECTION OF PARKWAY SWALE ON STREETS
WITH LONGITUDINAL SLOPE OF 2% OR GREATER (5% MAXIMUM)
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.
NOTES:

1. PARKWAY SWALE SHALL CONFORM TO THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPCW) AS AMENDED BY THE BROWN BOOK, LATEST EDITION AND TO THE 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 SWALES 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 CLEARANCE REQUIREMENTS 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 TRAFFIC.

9. LOCAL DEPRESSION (WRAPPED GUTTER) PER APWA STANDARD PLAN 31.3, EXCEPT FOR "X" DIMENSION AS SHOWN HEREON. PROVIDE MINIMUM 8-INCH THICK COMPACTED CRUSHED MISC. BASE BELOW WRAPPED 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 END WALLS TO HAVE 3'-0" 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 GEOTEXTILE FABRIC SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECT 300-8 OF THE GREEN BOOK.

16. IMPERMEABLE LINER TO BE A minimum OF 16 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 COMPACTING.

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.