1. PRIME ALL GROUT, INSTALLING BOLTS AND NUTS COMPLETELY, CHECKING FOR TIGHTNESS, AND FILLING HOLE FOR INSTRUCTIONS AND RECORDING NOTES. SEE APPENDIX SPECIFICATIONS OR DRAWING.

2. REMOVE THE TOP OF THE SLOPE BY BACKFILLING THE RECP's WITH 2" OR 3" OR 4" DEEP AND TAMING WITH APPROXIMATELY 100% OF RECP's EXTENDED BEFORE THE APPLICATION OF THE SHEETING. FOR THE RECP's, CONTACT THE CONTRACTOR'S ATTACHMENT LAYOUT TO BE COMPLETELY TANGLED AND SECURED. SEE APPENDIX FOR STAPLES OR STAKES SPACED APPROXIMATELY 12" (30 CM) AROUND THE WIDTH OF THE RECP's.

3. ROLL THE RECP's DOWN OR HORIZONTALLY ACROSS THE SLOPE. RECP's WILL UNROLL WITH APPROPRIATE SIDE RESTORATION AND SEEDING NOTES, AND AEP STANDARD SPECIFICATION SS-160102.

4. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP's IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECP's. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP's BACK OVER SEED AND COMPACTED SOIL. SECURE RECP's OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND APPROXIMATELY 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS AGAINST THE SOIL SURFACE. ALL RECP's MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES APPROXIMATELY 12" (30 CM) OF RECP's EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP's MULCH BLANKET SLOPE PATTERN.

MULCH BLANKET SLOPE PATTERN

1. SCALE: NONE

2. MULCH BLANKET STAPLE PATTERN FOR GEOTEXTILE FABRIC, TOE IN AROUND FOR OUTLETS FROM DETENTION BASINS

3. PIPE DIAMETER OR AS REQUIRED

4. BARRIERS REQUIRED TO BE EXAMINED AND RECONDITIONED AS NEEDED

5. REINFORCED MINIMUM = DIAMETER PIPE

6. PRIME AND PAINT YELLOW, 2 COATS. CONCRETE PAVEMENT, WITH ISOLATION JOINT 24"Ø CONCRETE FOUNDATION WITH CONCRETE AND ROUND OFF TOP. PREPARE, PLACE CHECK DAM AT PERIMETER OF 6" PIPE BOLLARDS SHALL BE 12" FROM SIDEWALK IN CENTER OF BARRIER NOTE: CENTER OF 6" PIPE BOLLARDS SHALL BE 12" FROM SIDEWALK IN CENTER OF BARRIER

7. FREE PARKING SPACES, REFER TO SIGNAGE FOR USE OF STOKE ON STREET LOCATED GREATER THAN 15' BEYOND STREET.

8. BEND DOWN BACK OF CURB TO MATCH SIDEWALK MAINTAIN A MIN. OF 5' OF SIDEWALK WIDTH THROUGHOUT RAMP. BARRIER FREE RAMP IN ACCORDANCE WITH ADA REQUIREMENTS.

9. CURB AND GUTTER AND ADJACENT PAVEMENT MAX SLOPE 1:20 RAMP SLOPE, 3/4" PER FT (MAXIMUM 1" PER FT)

10. WATER MAIN OR BURIAL 2% CROSS SLOPE (TYP.) MAINTAIN FLOW LINE IN GUTTER ACROSS RAMP DUMP DOWN BACK OF CURB TO MATCH SIDEWALK MAINTAIN A MIN. OF 5' OF SIDEWALK WIDTH THROUGHOUT RAMP. BARRIER FREE RAMP IN ACCORDANCE WITH ADA REQUIREMENTS.

11. CURB AND GUTTER - DETAIL C4

12. CURB AND STORM INLET PROTECTION DETAIL WHEN THE CONTRIBUTING DRAINAGE AREAS HAVE BEEN STABILIZED.

13. PIPE BOLLARD DETAIL

14. INLET PROTECTION DETAIL

15. TYPICAL END SECTION DETAIL

16. STANDARD SIDEWALK

17. CURB RAMP - DETAIL C4

18. SIDEWALK RAMP TYPE 1

19. SECTION THROUGH CURB CUT

20. SECTION A - A (TYPICAL RAMP DETAILS)

21. RIPRAP TABLE

22. riprap

23. STANDARD" MULCH BLANKET

24. TYPICAL SIDEWALK DETAIL

25. TYPICAL CURB DETAIL

26. TYPICAL GUTTER DETAIL

27. TYPICAL INLET DETAIL

28. TYPICAL PIPE DETAIL

29. TYPICAL BOLLARD DETAIL

30. TYPICAL STAPLE DETAIL

31. TYPICAL SEALANT DETAIL

32. TYPICAL UPHILL RAMP DETAIL

33. TYPICAL DOWNHILL RAMP DETAIL

34. TYPICAL LIFT STRAP DETAIL

35. TYPICAL Bypass Port DETAIL

36. TYPICAL FABRIC DETAIL

37. TYPICAL FOUNDATION DETAIL

38. TYPICAL GROUT DETAIL

39. TYPICAL PIPE DETAIL

40. TYPICAL SEALANT DETAIL

41. TYPICAL UPHILL RAMP DETAIL

42. TYPICAL DOWNHILL RAMP DETAIL

43. TYPICAL LIFT STRAP DETAIL

44. TYPICAL Bypass Port DETAIL

45. TYPICAL FABRIC DETAIL

46. TYPICAL FOUNDATION DETAIL

47. TYPICAL GROUT DETAIL

48. TYPICAL PIPE DETAIL

49. TYPICAL SEALANT DETAIL

50. TYPICAL UPHILL RAMP DETAIL

51. TYPICAL DOWNHILL RAMP DETAIL

52. TYPICAL LIFT STRAP DETAIL

53. TYPICAL Bypass Port DETAIL

54. TYPICAL FABRIC DETAIL

55. TYPICAL FOUNDATION DETAIL

56. TYPICAL GROUT DETAIL

57. TYPICAL PIPE DETAIL

58. TYPICAL SEALANT DETAIL

59. TYPICAL UPHILL RAMP DETAIL

60. TYPICAL DOWNHILL RAMP DETAIL

61. TYPICAL LIFT STRAP DETAIL

62. TYPICAL Bypass Port DETAIL

63. TYPICAL FABRIC DETAIL

64. TYPICAL FOUNDATION DETAIL

65. TYPICAL GROUT DETAIL

66. TYPICAL PIPE DETAIL

67. TYPICAL SEALANT DETAIL

68. TYPICAL UPHILL RAMP DETAIL

69. TYPICAL DOWNHILL RAMP DETAIL

70. TYPICAL LIFT STRAP DETAIL

71. TYPICAL Bypass Port DETAIL

72. TYPICAL FABRIC DETAIL

73. TYPICAL FOUNDATION DETAIL

74. TYPICAL GROUT DETAIL

75. TYPICAL PIPE DETAIL

76. TYPICAL SEALANT DETAIL

77. TYPICAL UPHILL RAMP DETAIL

78. TYPICAL DOWNHILL RAMP DETAIL

79. TYPICAL LIFT STRAP DETAIL

80. TYPICAL Bypass Port DETAIL

81. TYPICAL FABRIC DETAIL

82. TYPICAL FOUNDATION DETAIL

83. TYPICAL GROUT DETAIL

84. TYPICAL PIPE DETAIL

85. TYPICAL SEALANT DETAIL

86. TYPICAL UPHILL RAMP DETAIL

87. TYPICAL DOWNHILL RAMP DETAIL

88. TYPICAL LIFT STRAP DETAIL

89. TYPICAL Bypass Port DETAIL

90. TYPICAL FABRIC DETAIL

91. TYPICAL FOUNDATION DETAIL

92. TYPICAL GROUT DETAIL

93. TYPICAL PIPE DETAIL

94. TYPICAL SEALANT DETAIL

95. TYPICAL UPHILL RAMP DETAIL

96. TYPICAL DOWNHILL RAMP DETAIL

97. TYPICAL LIFT STRAP DETAIL

98. TYPICAL Bypass Port DETAIL

99. TYPICAL FABRIC DETAIL

100. TYPICAL FOUNDATION DETAIL
STORMTECH CHAMBER SPECIFICATIONS

1. QUALITY ASSURANCE SPECIFICATIONS
   a. The Stormtech Chamber construction shall be in accordance with applicable codes and standards.
   b. The manufacturer shall provide a detailed quality assurance plan describing the inspection and testing procedures to be followed during the installation.
   c. The inspection and testing shall be performed by an independent, certified third-party inspector.
   d. The contractor shall provide written evidence of the inspection and testing results to the owner.

2. MATERIALS SPECIFICATIONS
   a. The Stormtech Chamber shall be manufactured from high-density polyethylene (HDPE) or high-density polypropylene (HDPP) in accordance with ASTM D4540 and ASTM D969.
   b. The material shall be free of defects, including cracks, voids, and other imperfections.
   c. The material thickness shall be as specified in the Stormtech Chamber Specifications.

3. MANUFACTURING SPECIFICATIONS
   a. The Stormtech Chamber shall be manufactured using a rotational molding process.
   b. The mold shall be designed to prevent warping and distortion of the chamber.
   c. The mold shall be designed to allow for easy removal of the chamber from the mold.
   d. The mold shall be designed to prevent the chamber from warping or sagging during the rotation process.

4. INSTALLATION SPECIFICATIONS
   a. The Stormtech Chamber shall be installed in accordance with the manufacturer's installation instructions.
   b. The installation shall be performed by a certified installer.
   c. The installation shall be performed in accordance with applicable codes and standards.
   d. The installation shall be performed in a manner that minimizes the risk of damage to the chamber.

5. INTEGRITY SPECIFICATIONS
   a. The Stormtech Chamber shall be designed to withstand the loads and pressures specified in the Stormtech Chamber Specifications.
   b. The Stormtech Chamber shall be designed to withstand the soil conditions specified in the Stormtech Chamber Specifications.
   c. The Stormtech Chamber shall be designed to withstand the environmental conditions specified in the Stormtech Chamber Specifications.
   d. The Stormtech Chamber shall be designed to withstand the load factors specified in the Stormtech Chamber Specifications.

6. QUALITY ASSURANCE SPECIFICATIONS
   a. The Stormtech Chamber shall be tested for strength and durability in accordance with ASTM D4540 and ASTM D969.
   b. The Stormtech Chamber shall be tested for compliance with applicable codes and standards.
   c. The Stormtech Chamber shall be tested for compliance with the Stormtech Chamber Specifications.
   d. The Stormtech Chamber shall be tested for compliance with the manufacturer's installation instructions.

7. MANUFACTURER'S WARRANTIES
   a. The manufacturer shall provide a warranty for the Stormtech Chamber.
   b. The warranty shall cover defects in materials and workmanship for a period of ten years.
   c. The warranty shall cover defects in materials and workmanship for a period of twenty years for underground applications.
   d. The warranty shall cover defects in materials and workmanship for a period of thirty years for above-ground applications.

8. CONSTRUCTION GUIDE
   a. The Stormtech Chamber shall be installed in accordance with the Construction Guide.
   b. The Construction Guide shall include instructions for the installation of the Stormtech Chamber.
   c. The Construction Guide shall include instructions for the installation of the Stormtech Chamber in a variety of soil conditions.
   d. The Construction Guide shall include instructions for the installation of the Stormtech Chamber in a variety of load conditions.

9. ACCEPTABLE FILL MATERIALS
   a. The Stormtech Chamber shall be installed using the acceptable fill materials specified in the Stormtech Chamber Specifications.
   b. The acceptable fill materials shall include high-density polyethylene (HDPE) or high-density polypropylene (HDPP).
   c. The acceptable fill materials shall include high-density polyethylene (HDPE) or high-density polypropylene (HDPP) in a density of 97%.
   d. The acceptable fill materials shall include high-density polyethylene (HDPE) or high-density polypropylene (HDPP) in a density of 94%.

10. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
    a. StoneShooter located off the chamber bed.
    b. "DUMP AND PUSH" method.
    c. Pre-Construction meeting with the installer.

11. NOTES:
    a. StoneShooter located off the chamber bed.
    b. "DUMP AND PUSH" method.
    c. Pre-Construction meeting with the installer.
    d. Stormtech recommends 3 backfill methods.