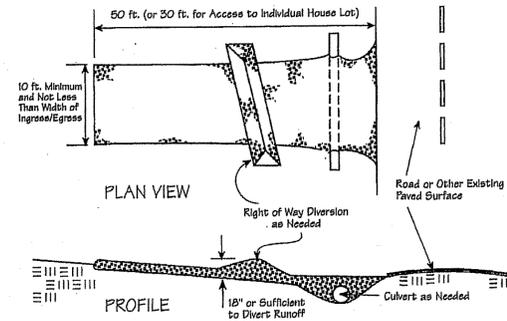


Specifications for Construction Entrance



1. Stone Size--Two-inch stone shall be used, or recycled concrete equivalent.
2. Length--The construction entrance shall be as long as required to stabilize high traffic areas but not less than 50 ft. (except on single residence lot where a 30-ft. minimum length applies).
3. Thickness--The stone layer shall be at least 6 in. thick.
4. Width--The entrance shall be at least 10 ft. wide, but not less than the full width at points where ingress or egress occurs.
5. Bedding--A geotextile shall be placed over the entire area prior to placing stone. It shall have a Grab Tensile Strength of at least 200 lb. and a Mullen Burst Strength of at least 190 lb.
6. Culvert--A pipe or culvert shall be constructed under the entrance if needed to prevent surface water flowing across the entrance from being directed out onto paved surfaces.
7. Water Bar--A water bar shall be constructed as part of the construction entrance if needed to prevent surface runoff from flowing the length of the construction entrance and out onto paved surfaces.
8. Maintenance--Top dressing of additional stone shall be applied as conditions demand. Mud spilled, dropped, washed or tracked onto public roads, or any surface where runoff is not checked by sediment controls, shall be removed immediately. Removal shall be accomplished by scraping or sweeping.
9. Construction entrances shall not be relied upon to remove mud from vehicles and prevent off-site tracking. Vehicles that enter and leave the construction-site shall be restricted from muddy areas.

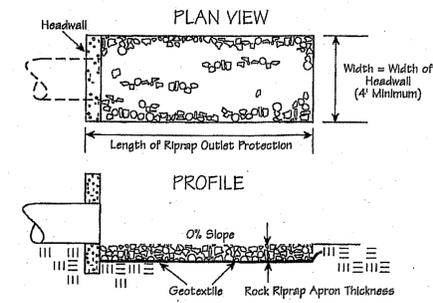
CONSTRUCTION ENTRANCE - PG 158

Specifications for Sediment Basins

1. Sediment basins shall be constructed and operational before upslope land disturbance begins.
2. Site Preparation--The area under the embankment shall be cleared, grubbed, and stripped of any vegetation and root mat. The pool area shall be cleared as needed to facilitate sediment cleanout. Gullies and sharp breaks shall be sloped to no steeper than 1:1. The surface of the foundation area will be thoroughly scarified before placement of the embankment material.
3. Cut-Off Trench--The cutoff trench shall be excavated along the centerline of the embankment. The minimum depth shall be 2 ft. unless specified deeper on the plans or as a result of site conditions. The minimum bottom width shall be 4 ft., but wide enough to permit operation of compaction equipment. The trench shall be kept free of standing water during backfill operations.
4. Embankment--The fill material shall be free of all sod, roots, frozen soil, stones over 6 in. in diameter, and other objectionable material. The placing and spreading of the fill material shall be started at the lowest point of the foundation and the fill shall be brought up in approximately 6-in. horizontal layers or of such thickness that the required compaction can be obtained with the equipment used. Construction equipment shall be operated over each layer in a way that will result in the required compaction. Special equipment shall be used when the required compaction cannot be obtained without it. The moisture content of fill material shall be such that the required degree of compaction can be obtained with the equipment used.
5. Pipe Spillway--The pipe conduit barrel shall be placed on a firm foundation to the lines and grades shown on the plans. Connections between the riser and barrel, the anti-seep collars and barrel and all pipe joints shall be watertight. Selected backfill material shall be placed around the conduit in layers and each layer shall be compacted to at least the same density as the adjacent embankment. All compaction within 2 ft. of the pipe spillway will be accomplished with hand-operated tamping equipment.
6. Riser Pipe Base--The riser pipe shall be set a minimum of 6 in. in the concrete base.
7. Trash Racks--Both the top of the riser and the dewatering orifice shall be fitted with trash racks firmly fastened to the riser pipe.
8. Emergency Spillway--The emergency spillway shall be cut in undisturbed ground. Accurate construction of the spillway elevation and width is critical and shall be within a tolerance of 0.2 ft.
9. Seed and Mulch--The sediment basin shall be stabilized immediately following its construction. In no case shall the embankment or emergency spillway remain bare for more than 7 days.
10. Sediment Cleanout--Sediment shall be removed and the sediment basin restored to its original dimensions when the sediment has filled one-half the pond's original depth or as indicated on the plans. Sediment removed from the basin shall be placed so that it will not erode.
11. Final removal - Sediment basins shall be removed after the upstream drainage area is stabilized or as indicated in the plans. Dewatering and removal shall NOT cause sediment to be discharged. The sediment basin site and sediment removed from the basin shall be stabilized.

SEDIMENT BASIN - PAGE 110

Specifications for Outlet Protection



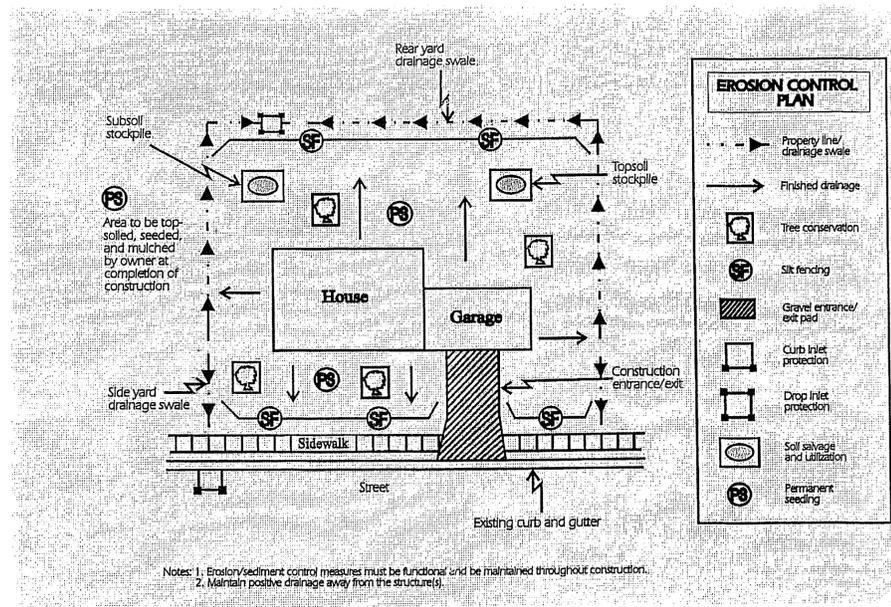
1. The subgrade for the filter and riprap shall be prepared to the required lines and grades as shown on the plan.
2. The riprap shall conform to the grading limits as shown on the plan.
3. Geotextile shall be woven or nonwoven monofilament yarn and shall meet the following:
  - Thickness 20-60 mils
  - Grab Strength 90-120 lb.
  - ASTM D-1777 and ASTM D-1682
4. Riprap may be placed by equipment but shall be placed in a manner to prevent damage to the geotextile.

Type of Rock or Riprap	Size of Rock	
	50% by weight	85% by weight
Type D	> 6 in.	3 - 12 in.
Type C	> 12 in.	6 - 18 in.
Type B	> 18 in.	12 - 24 in.
Type A	> 24 in.	18 - 30 in.

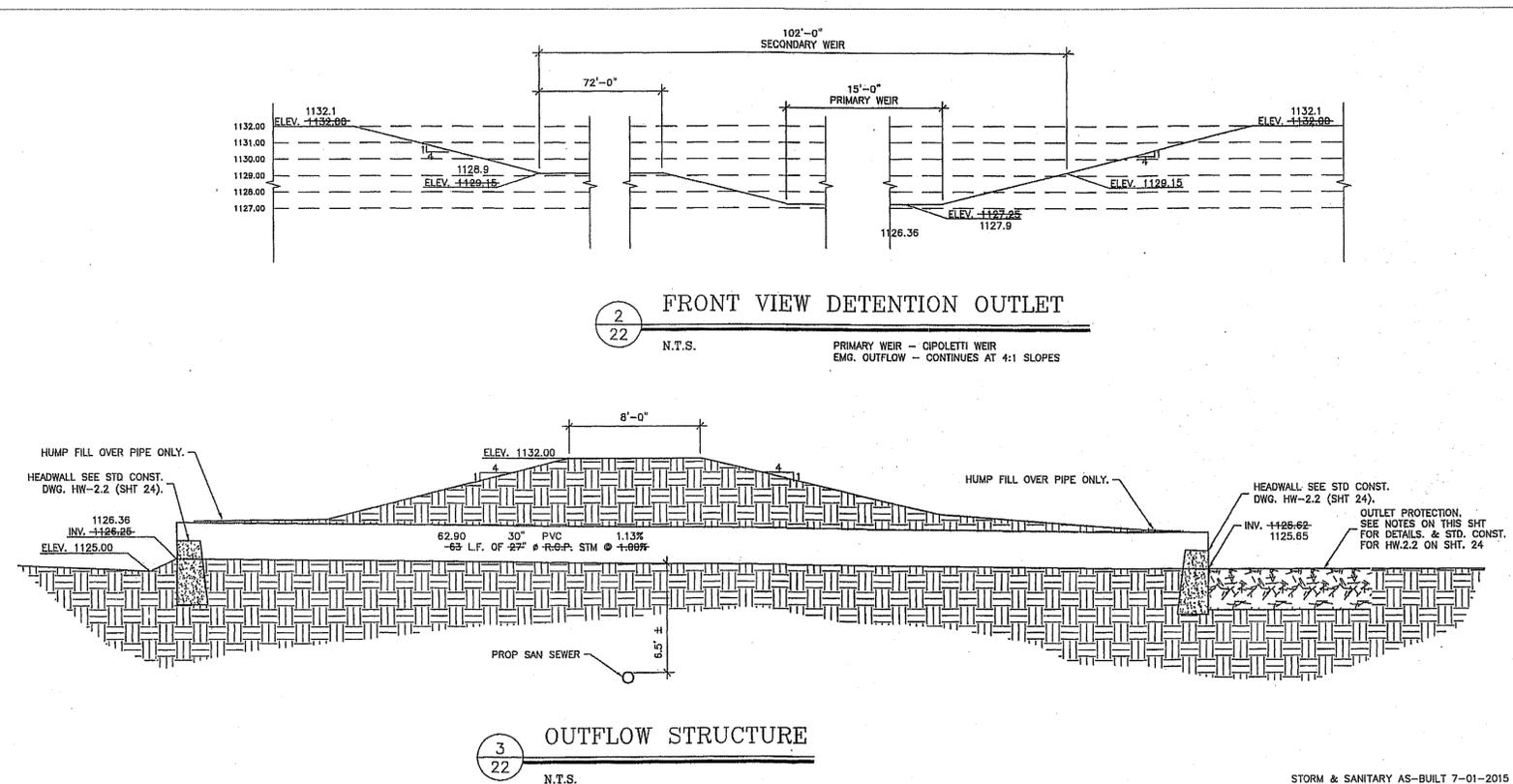
OUTLET PROTECTION - PAGE 57

SPECIFICATIONS FOR OUTLET PROTECTION

1. LENGTH OF OUTLET PROTECTION SHALL BE 10'
2. WIDTH OF OUTLET PROTECTION SHALL BE 4' WIDER THAN PIPE DIA. OR WIDTH OF HEADWALL, WHICHEVER IS GREATER.
3. USE 30" OF TYPE "B" ROCK. HEADWALL SPECIFICATIONS FOUND ON SHEET 26.
4. REFER TO SPECIFICATIONS FOR OUTLET PROTECTION ON THIS SHEET SHOWN ABOVE FOR ALL OTHER REQUIREMENTS.



INDIVIDUAL LOT SWPPP



3  
22  
OUTFLOW STRUCTURE  
N.T.S.

REVISION  
DATE  
DRAWN  
CHECKED  
SCALE  
AS NOTED  
KIDS JABER, LLC  
LIONS PARK ALLOTMENT & CONDOMINIUMS  
MARIETTA AVE., SPRINGFIELD TOWNSHIP, OHIO

04-23-05  
07-13-05  
04-24-15

SWP3 DETAILS & NOTES

SPAGNUOLO & ASSOCIATES, LLC  
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