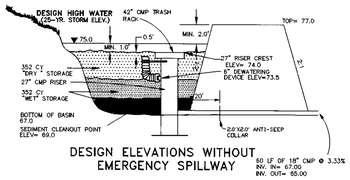
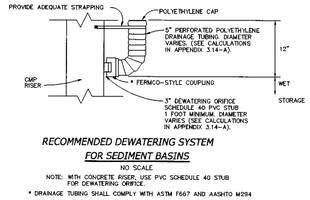
TEMPORARY SEDIMENT BASIN "1"

NOTE: A MEASURING DEVICE SHALL BE INSTALLED IN THE SEDIMENT BASIN MARKING THE CLEAN OUT ELEVATIONS FOR MAINTENANCE.



DESIGN ELEVATIONS WITHOUT EMERGENCY SPILLWAY

60 LF OF 18" CMP @ 3.33%
INV. IN= 67.00
INV. OUT= 65.00

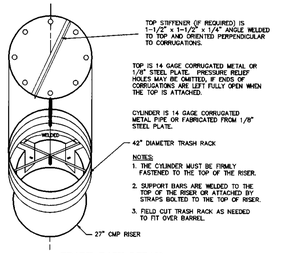


RECOMMENDED DEWATERING SYSTEM
FOR SEDIMENT BASINS

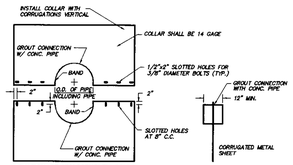
NO SCALE

NOTE: WITH CONCRETE RISER, USE PVC SCHEDULE 40 STUB FOR DEWATERING ORIFICE.

* DRAINAGE TUBING SHALL COMPLY WITH ASTM F667 AND AASHTO M294



TRASH RACK DETAIL
N.T.S.

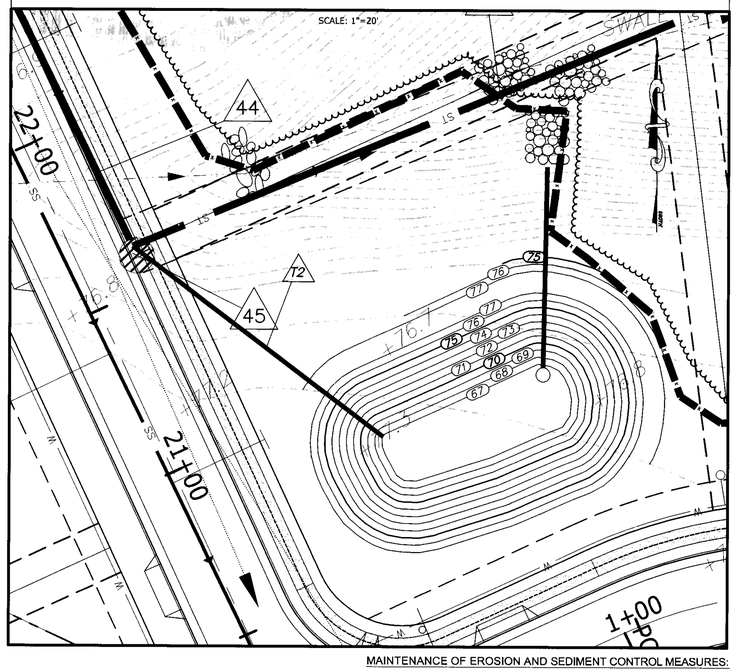


ELEVATION OF UNASSEMBLED COLLAR — END SECTION

NOTES FOR COLLAR:

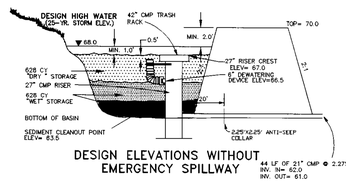
1. UNASSEMBLED COLLARS SHALL BE MARKED BY PAINTING OR TAGGING TO IDENTIFY MATCHING PAIRS.
2. THE LAP BETWEEN THE TWO HALF SECTIONS AND BETWEEN THE PIPE AND CONNECTING BAND SHALL BE CAULKED WITH ASPHALT MASTIC AT TIME OF INSTALLATION.

CORRUGATED METAL ANTI-SEEP COLLAR DETAIL
NO SCALE



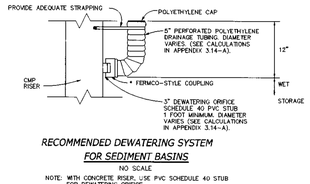
TEMPORARY SEDIMENT BASIN "2"

NOTE: A MEASURING DEVICE SHALL BE INSTALLED IN THE SEDIMENT BASIN MARKING THE CLEAN OUT ELEVATIONS FOR MAINTENANCE.



DESIGN ELEVATIONS WITHOUT EMERGENCY SPILLWAY

44 LF OF 21" CMP @ 2.27%
INV. IN= 62.0
INV. OUT= 61.0

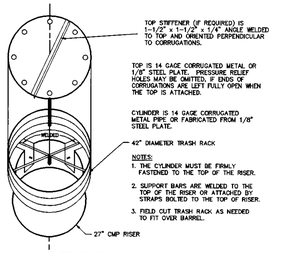


RECOMMENDED DEWATERING SYSTEM
FOR SEDIMENT BASINS

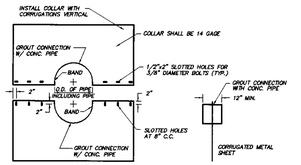
NO SCALE

NOTE: WITH CONCRETE RISER, USE PVC SCHEDULE 40 STUB FOR DEWATERING ORIFICE.

* DRAINAGE TUBING SHALL COMPLY WITH ASTM F667 AND AASHTO M294



TRASH RACK DETAIL
N.T.S.

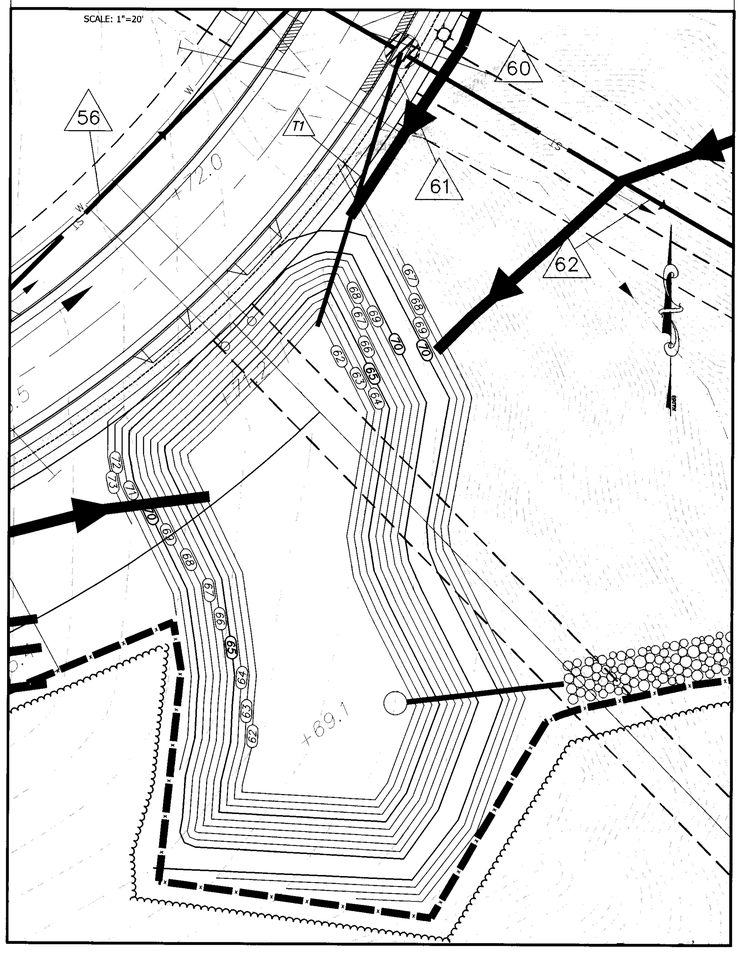


ELEVATION OF UNASSEMBLED COLLAR — END SECTION

NOTES FOR COLLAR:

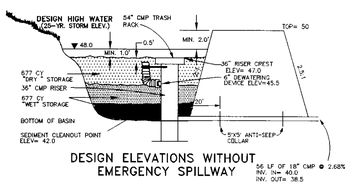
1. UNASSEMBLED COLLARS SHALL BE MARKED BY PAINTING OR TAGGING TO IDENTIFY MATCHING PAIRS.
2. THE LAP BETWEEN THE TWO HALF SECTIONS AND BETWEEN THE PIPE AND CONNECTING BAND SHALL BE CAULKED WITH ASPHALT MASTIC AT TIME OF INSTALLATION.

CORRUGATED METAL ANTI-SEEP COLLAR DETAIL
NO SCALE



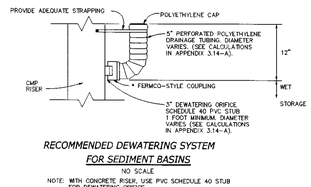
TEMPORARY SEDIMENT BASIN "3"

NOTE: A MEASURING DEVICE SHALL BE INSTALLED IN THE SEDIMENT BASIN MARKING THE CLEAN OUT ELEVATIONS FOR MAINTENANCE.



DESIGN ELEVATIONS WITHOUT EMERGENCY SPILLWAY

56 LF OF 18" CMP @ 2.68%
INV. IN= 40.0
INV. OUT= 38.5

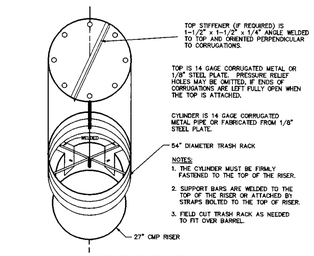


RECOMMENDED DEWATERING SYSTEM
FOR SEDIMENT BASINS

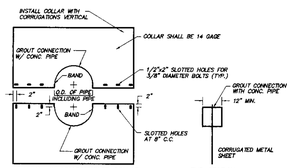
NO SCALE

NOTE: WITH CONCRETE RISER, USE PVC SCHEDULE 40 STUB FOR DEWATERING ORIFICE.

* DRAINAGE TUBING SHALL COMPLY WITH ASTM F667 AND AASHTO M294



TRASH RACK DETAIL
N.T.S.

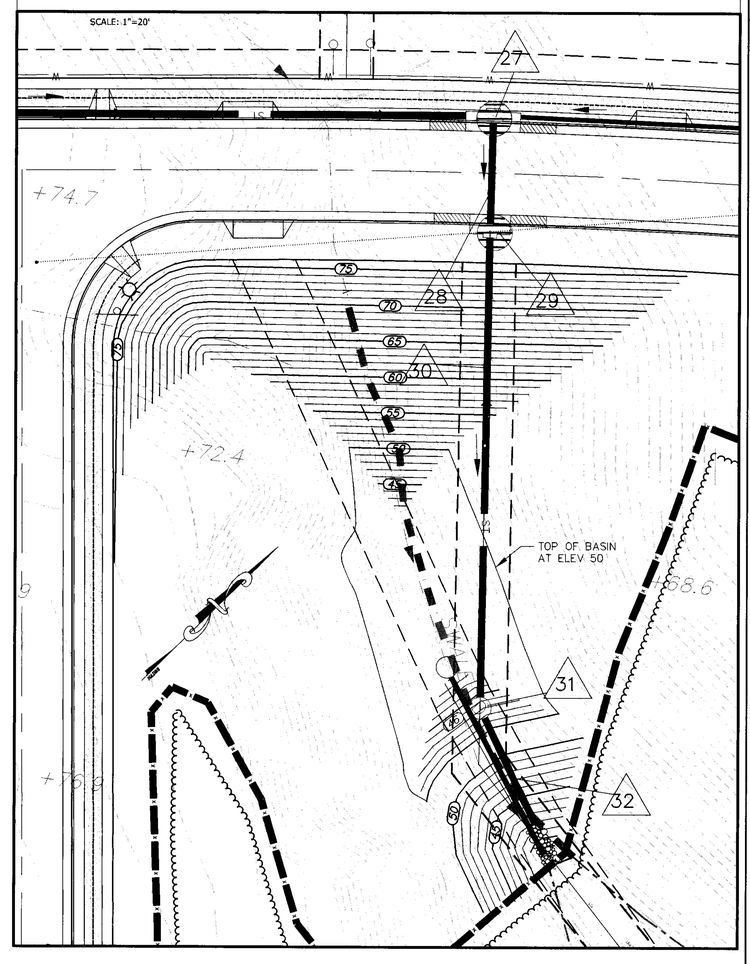


ELEVATION OF UNASSEMBLED COLLAR — END SECTION

NOTES FOR COLLAR:

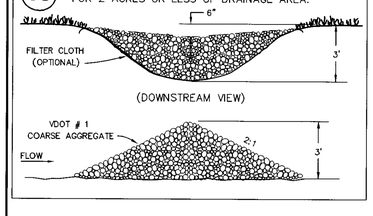
1. UNASSEMBLED COLLARS SHALL BE MARKED BY PAINTING OR TAGGING TO IDENTIFY MATCHING PAIRS.
2. THE LAP BETWEEN THE TWO HALF SECTIONS AND BETWEEN THE PIPE AND CONNECTING BAND SHALL BE CAULKED WITH ASPHALT MASTIC AT TIME OF INSTALLATION.

CORRUGATED METAL ANTI-SEEP COLLAR DETAIL
NO SCALE



ROCK CHECK DAM

CD FOR 2 ACRES OR LESS OF DRAINAGE AREA:



MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES:

SILT FENCE: INSPECT AFTER EACH RAINFALL EVENT. REMOVE SEDIMENT FROM SILT FENCE WHEN IT REACHES ONE-HALF THE HEIGHT OF THE BARRIER. REPAIR ANY TORN FENCE PROMPTLY.

SEDIMENT BASIN: INSPECT AFTER EACH RAIN AND REMOVE SEDIMENT WHEN IT REACHES THE CLEAN OUT LEVEL (THIS LEVEL SHOULD BE MARKED OR PAINTED ON THE STRUCTURE). CHECK THE BASIN EMBANKMENT TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT.

SEDIMENT TRAP: 1. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE HALF THE DESIGN VOLUME OF THE WET STORAGE(THIS LEVEL SHOULD BE MARKED OR PAINTED ON THE STRUCTURE). SEDIMENT REMOVAL FROM THE BASIN SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE AND CAUSE SEDIMENTATION PROBLEMS.

2. FILTER STONE SHALL BE REGULARLY CHECKED TO ENSURE THAT FILTRATION PERFORMANCE IS MAINTAINED. STONE CHOKED WITH SEDIMENT SHALL BE REMOVED AND CLEANED OR REPLACED.

3. THE STRUCTURE SHOULD BE CHECKED REGULARLY TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT. THE HEIGHT OF THE STONE OUTLET SHOULD BE CHECKED TO ENSURE THAT ITS CENTER IS AT LEAST 1 FOOT BELOW THE TOP OF THE EMBANKMENT.

4. INSPECT AFTER EACH RAIN.

CONSTRUCTION ENTRANCE: TOPDRESS WITH ADDITIONAL STONE OR WASH AND REWORK EXISTING STONE AS NEEDED TO PREVENT MUD FROM BEING TRACKED OFF THE SITE. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

INLET PROTECTION: INSPECT AFTER EACH RAIN. REMOVE SEDIMENT WHEN IT ACCUMULATES TO ONE-HALF THE DESIGN DEPTH OF THE TRAP.

EROSION BLANKET OR MAT: INSPECT AFTER EACH RAIN FOR EROSION OR UNDERMINING. REPAIR ANY DISLOCATION OR FAILURE IMMEDIATELY AND REINSTALL THE MATERIAL.

DIVERSION DITCHES: INSPECT AFTER EACH RAIN AND EVERY TWO WEEKS. REPAIR THE DIKE, FLOW CHANNEL, OUTLET OR SEDIMENT TRAPPING FCILITY AS NECESSARY. DAMAGES CAUSED BY CONSTRUCTION TRAFFIC OR OTHER ACTIVITIES MUST BE REPAIRED BEFORE THE END OF EACH WORKING DAY.

COMMONWEALTH OF VIRGINIA
DERICK A. JOHNSON
Lic. No. 24761
11-23-09
PROFESSIONAL ENGINEER

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Site Development | Residential | Infrastructure | Technology

DATE	REVISION DESCRIPTION
02-16-06	COUNTY COMMENTS
02-01-08	COUNTY COMMENTS
11-23-09	COUNTY COMMENTS

DATE	12/12/05
DRAWN BY	K. HALPAUS
DESIGNED BY	K. HALPAUS
CHECKED BY	D. JOHNSON
SCALE	AS SHOWN

TIMMONS GROUP

CHAPPELL CREEK ON THE JAMES
BLAND DISTRICT * PRINCE GEORGE COUNTY, VIRGINIA
EROSION CONTROL NOTES

JOB NO. 22595

SHEET NO. C4.3

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