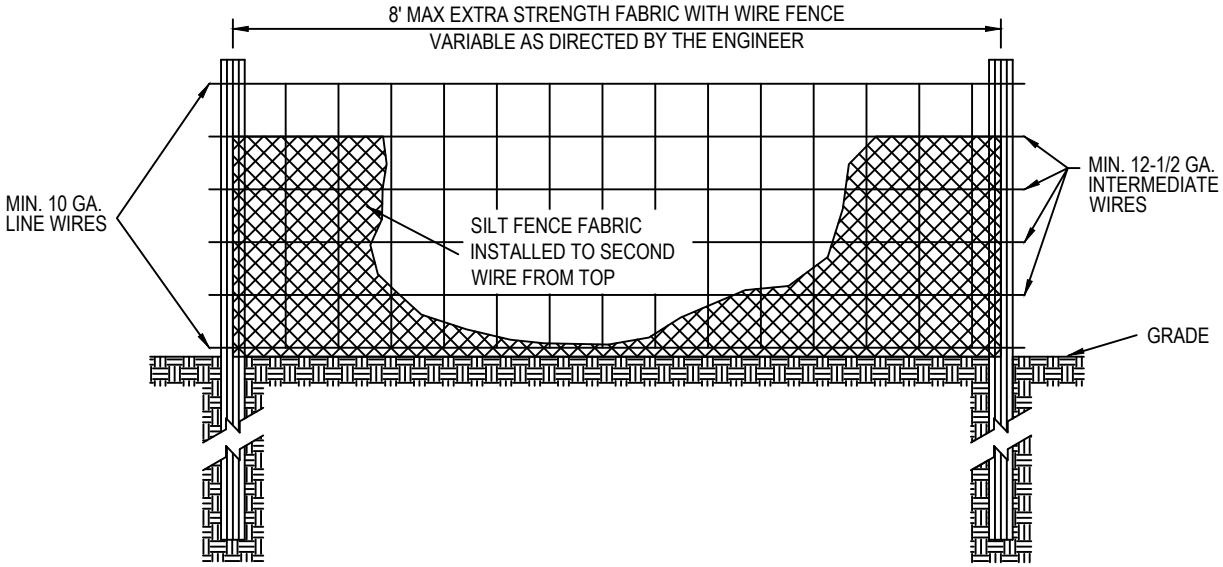
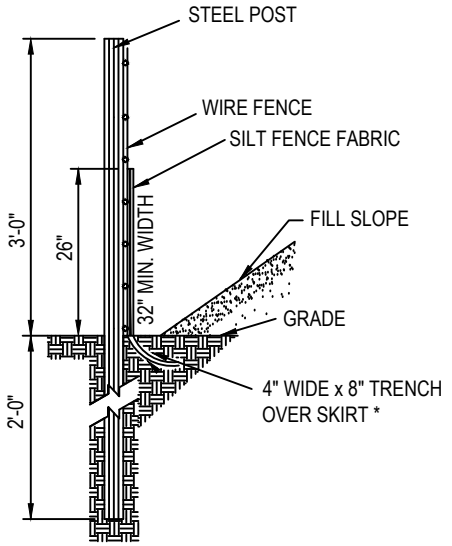


FRONT VIEW



SIDE VIEW

NOTES:

1. USE SILT FENCE ONLY WHEN DRAINAGE AREA DOES NOT EXCEED 1/4 ACRE AND NEVER IN AREAS OF CONCENTRATED FLOW.

2. UV RESISTANT SILT FENCE FABRIC MUST BE USED NO ORANGE SILT FENCE PERMITTED.

MAINTENANCE:
INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.

SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY

REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.

DRAWING NOT TO SCALE

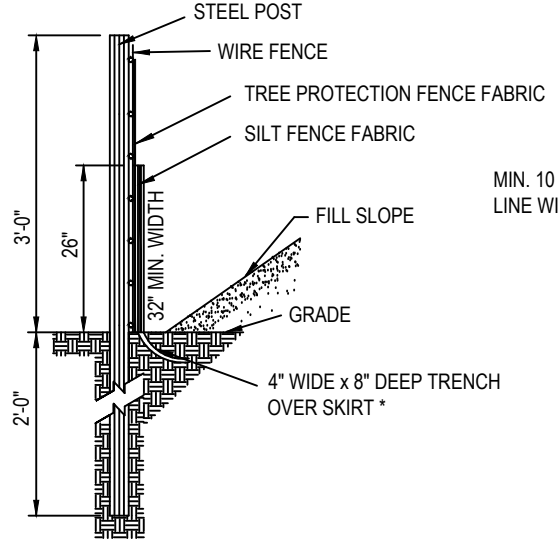
STANDARD TEMPORARY SILT FENCE

TOWN OF HOLLY SPRINGS

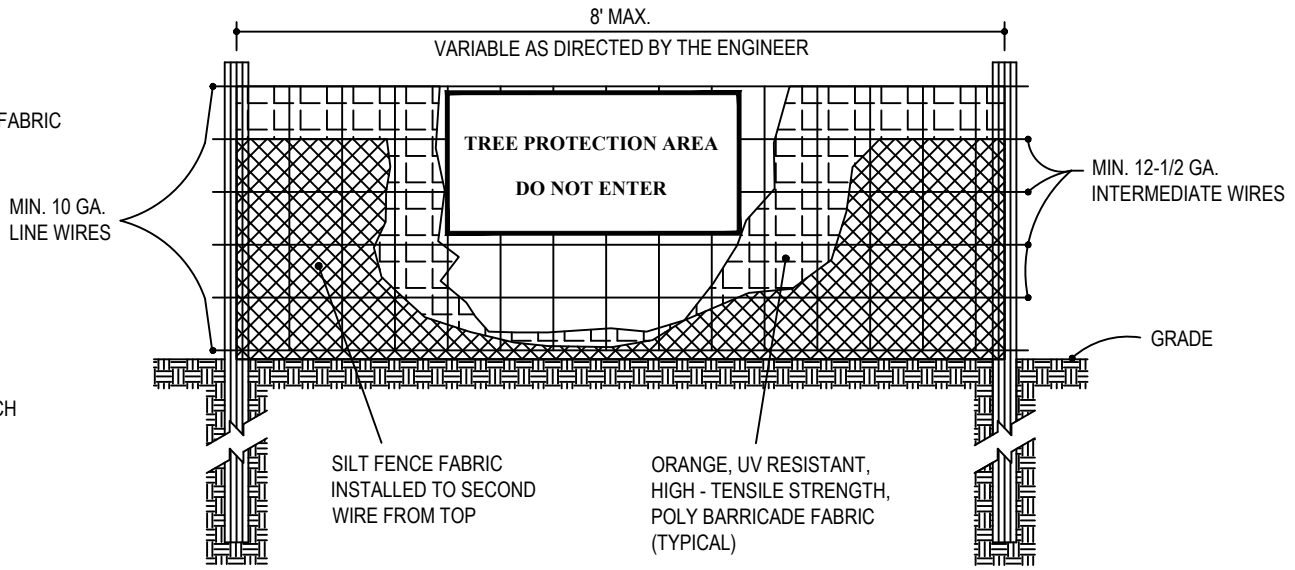
STANDARD DETAIL NUMBER: HS401

DATE	REVISIONS
7/24/09	
6/11/24	

HOLLY SPRINGS
North Carolina



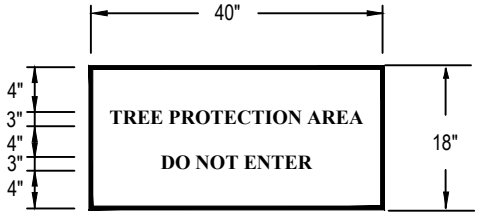
SIDE VIEW



FRONT VIEW

NOTES:

1. NO ORANGE SILT FENCE PERMITTED.
2. USE SILT FENCE ONLY WHEN DRAINAGE AREA DOES NOT EXCEED 1/4 ACRE AND NEVER IN AREAS OF CONCENTRATED FLOW.
3. TREE PROTECTION FENCE MUST BE ORANGE, UV RESISTANT, HIGH-TENSILE STRENGTH POLY BARRICADE FABRIC.
4. END OF SILT FENCE NEEDS TO BE TURNED UPHILL
5. WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL.
6. LETTERS TO BE 3" HIGH MINIMUM, CLEARLY LEGIBLE AND SPACED AS DETAILED.
7. SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS.
8. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER.
9. FOR TREE PROTECTION AREAS LESS THAN 200' IN PERIMETER, PROVIDE NO LESS THAN ONE SIGN PER PROTECTION AREA.
10. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC.
11. MAINTAIN TREE PROTECTION FENCE THROUGHOUT DURATION OF PROJECT.
12. ADDITIONAL SIGNS MAY BE REQUIRED BY TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT BASED ON ACTUAL FIELD CONDITIONS.



WARNING SIGN DETAIL

MAINTENANCE:
INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.

SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.

REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.

DRAWING NOT TO SCALE

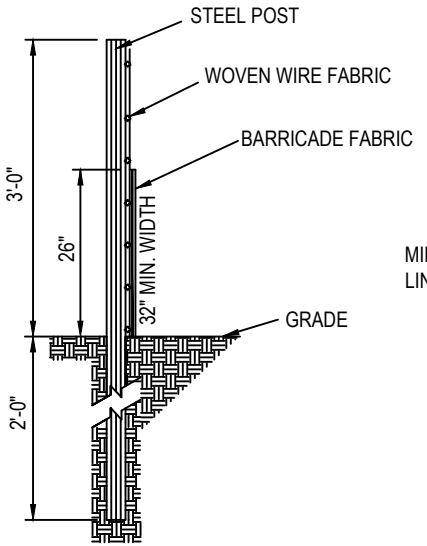
COMBINATION SILT / TREE PROTECTION FENCE

TOWN OF HOLLY SPRINGS

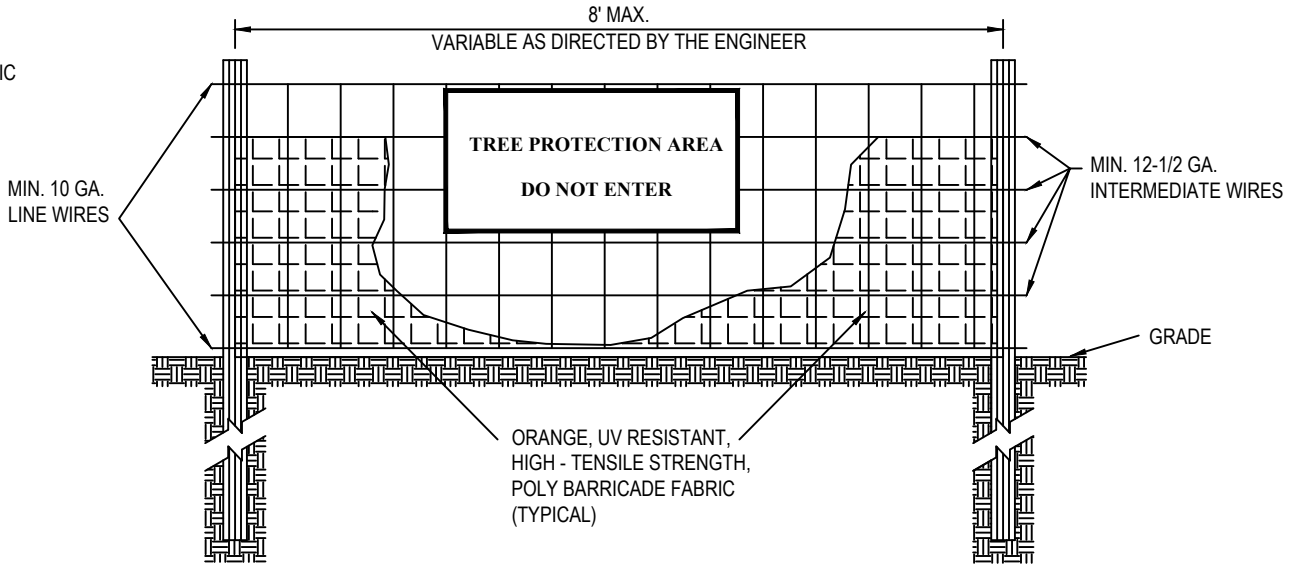
STANDARD DETAIL NUMBER: HS402

DATE	REVISIONS
9/22/16	
6/11/24	

HOLLY SPRINGS
North Carolina



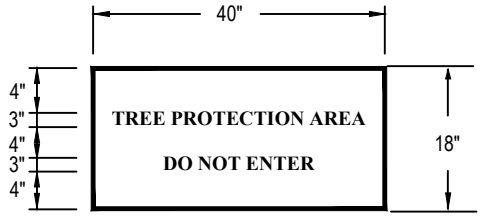
SIDE VIEW



FRONT VIEW

NOTES:

1. NO ORANGE SILT FENCE PERMITTED.
2. TREE PROTECTION FENCE MUST BE ORANGE UV RESISTANT HIGH-TENSILE STRENGTH POLY BARRICADE FABRIC.
3. WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL.
4. LETTERS TO BE 3" HIGH MINIMUM, CLEARLY LEGIBLE AND SPACED AS DETAILED.
5. SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS.
6. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER.
7. FOR TREE PROTECTION AREAS LESS THAN 200' IN PERIMETER, PROVIDE NO LESS THAN ONE SIGN PER PROTECTION AREA.
8. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC.
9. MAINTAIN TREE PROTECTION FENCE THROUGHOUT DURATION OF PROJECT.
10. ADDITIONAL SIGNS MAY BE REQUIRED BY TOWN OF HOLLY SPRINGS INSPECTIONS DEPARTMENT BASED ON ACTUAL FIELD CONDITIONS.



WARNING SIGN DETAIL

DRAWING NOT TO SCALE

STANDARD TREE PROTECTION DETAIL

TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS403

DATE	REVISIONS
7/24/09	
6/11/24	

HOLLY SPRINGS
North Carolina

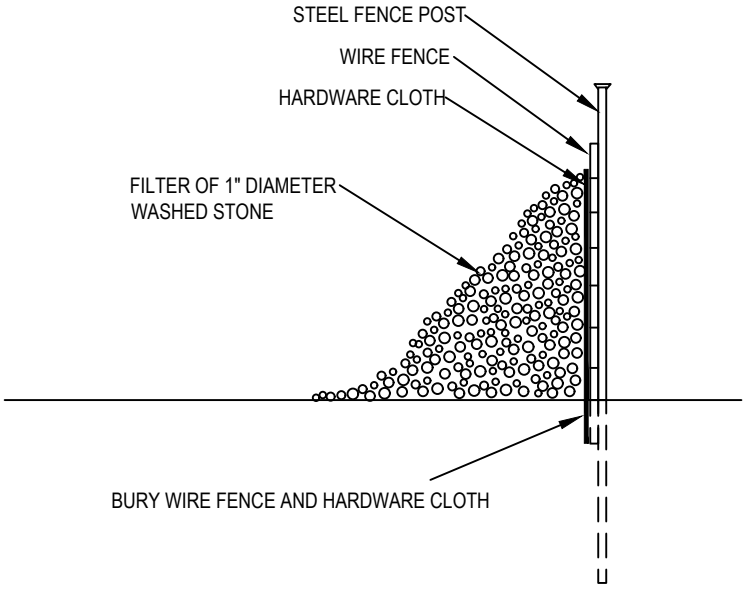
NOTES:

1. MINIMUM 6" OVERLAP OF HARDWARE CLOTH AND SILT FENCE.
2. HARDWARE CLOTH TO BE INSTALLED ON UPSLOPE SIDE OF SILT FENCE.

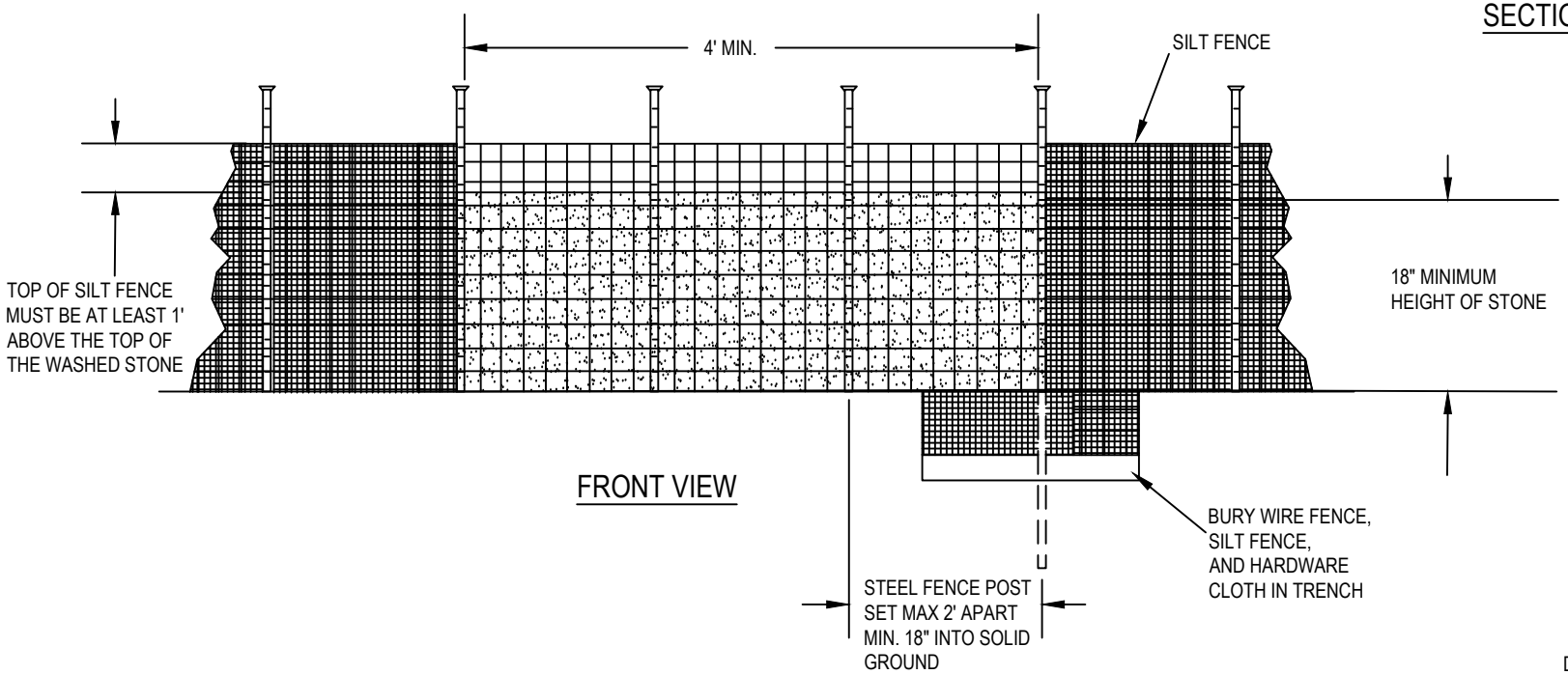
MAINTENANCE:
INSPECT SILT FENCE OUTLETS AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.

SHOULD THE STONE BECOME INUNDATED WITH SEDIMENT OR OTHER DEBRIS, OR HARDWARE CLOTH AND STONE DAMAGED OR WASHED OUT, REPLACE IMMEDIATELY WITH CLEAN WASH STONE AND NEW HARDWARE CLOTH. REPAIR OR REPLACE T-POSTS IF NEEDED.

REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE PROPER FLOW THROUGH THE STONE. TAKE CARE TO AVOID DAMAGING THE HARDWARE CLOTH DURING CLEANOUT.



SECTION VIEW



FRONT VIEW

DRAWING NOT TO SCALE

SILT FENCE OUTLET

TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS404

DATE	REVISIONS
4/6/17	
6/11/24	

HOLLY SPRINGS
North Carolina

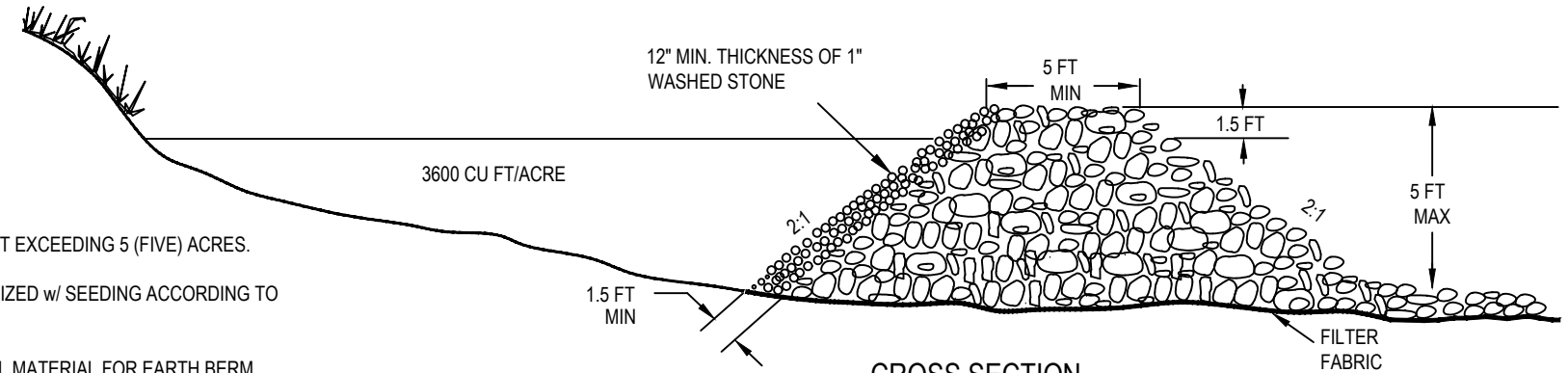
NOTES:

1. USE FOR DRAINAGE AREAS NOT EXCEEDING 5 (FIVE) ACRES.

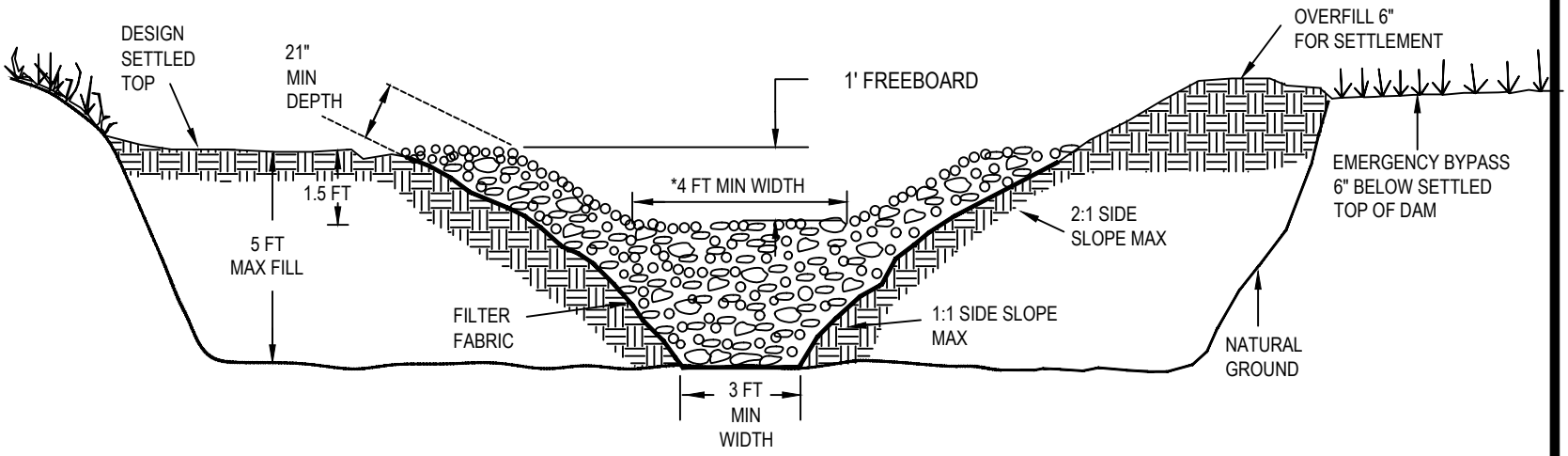
2. EARTH BERM SHALL BE STABILIZED w/ SEEDING ACCORDING TO TOWN SPECIFICATIONS.

3. USE CLEAN COMPACTABLE FILL MATERIAL FOR EARTH BERM.

4. USE POROUS BAFFLES.



CROSS SECTION



FRONT VIEW

*MAINTENANCE

INSPECT TEMPORARY SEDIMENT TRAPS AFTER EACH PERIOD OF SIGNIFICANT RAINFALL. REMOVE SEDIMENT AND RESTORE TRAP TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. PLACE THE SEDIMENT THAT IS REMOVED IN A DESIGNATED DISPOSAL AREA AND REPLACE THE CONTAMINATED PART OF THE GRAVEL FACING.

CHECK THE STRUCTURE FOR DAMAGE FROM EROSION OR PIPING. PERIODICALLY CHECK THE DEPTH OF THE SPILLWAY TO ENSURE IT IS A MINIMUM OF 1.5 FT BELOW THE LOW POINT OF THE EMBANKMENT. IMMEDIATELY FILL ANY SETTLEMENT OF THE EMBANKMENT TO SLIGHTLY ABOVE DESIGN GRADE. ANY RIPRAP DISPLACED FROM THE SPILLWAY MUST BE REPLACED IMMEDIATELY.

STABILIZE THE EMBANKMENT AND ALL DISTURBED AREAS ABOVE THE SEDIMENT POOL AND DOWNSTREAM FROM THE TRAP IMMEDIATELY AFTER CONSTRUCTION WITH SEEDING.

DRAWING NOT TO SCALE

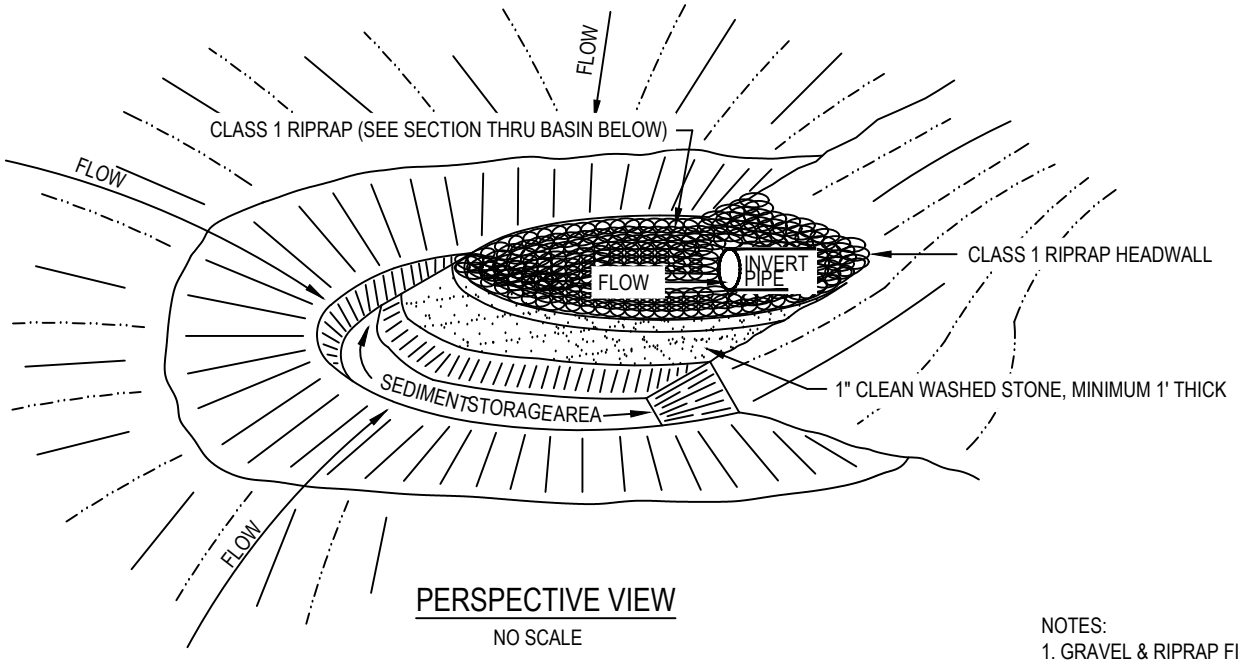
TEMPORARY SEDIMENT TRAP

TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS405

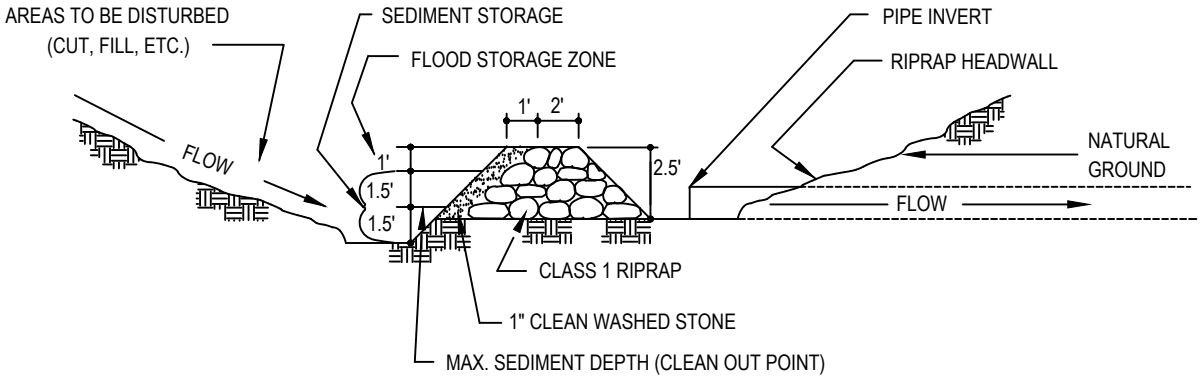
DATE	REVISIONS
7/24/09	
6/11/24	

HOLLY SPRINGS
North Carolina



PERSPECTIVE VIEW

NO SCALE



SECTION THROUGH BASIN, FILTER AND CULVERT PIPE

NO SCALE

NOTES:

1. GRAVEL & RIPRAP FILTER BERM BASIN DETAIL IS DESIGNED TO PROTECT EXISTING PIPE INVERTS THAT DRAIN 5 ACRES OR LESS.

2. DIMENSIONS ARE MINIMUM ACCEPTABLE UNLESS OTHERWISE NOTED.

MAINTENANCE:
INSPECT ROCK PIPE INLET PROTECTION AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE SEDIMENT STORAGE AREA TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. PLACE THE SEDIMENT THAT IS REMOVED IN THE DESIGNATED DISPOSAL AREA AND REPLACE THE CONTAMINATED PART OF THE GRAVEL FACING.

CHECK THE STRUCTURE FOR DAMAGE. ANY RIPRAP DISPLACED FROM THE STONE HORSESHOE MUST BE REPLACED IMMEDIATELY.

DRAWING NOT TO SCALE

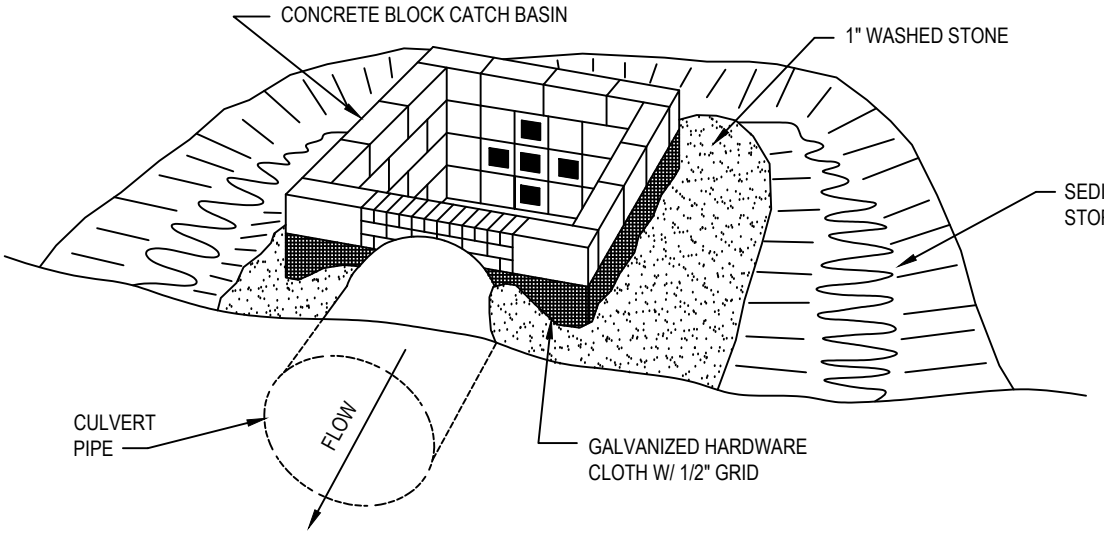
(EXISTING PIPE INVERTS)
GRAVEL & RIPRAP FILTER BERM BASIN

TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS407

DATE	REVISIONS
8/19/09	
6/11/24	

HOLLY SPRINGS
North Carolina



PERSPECTIVE VIEW

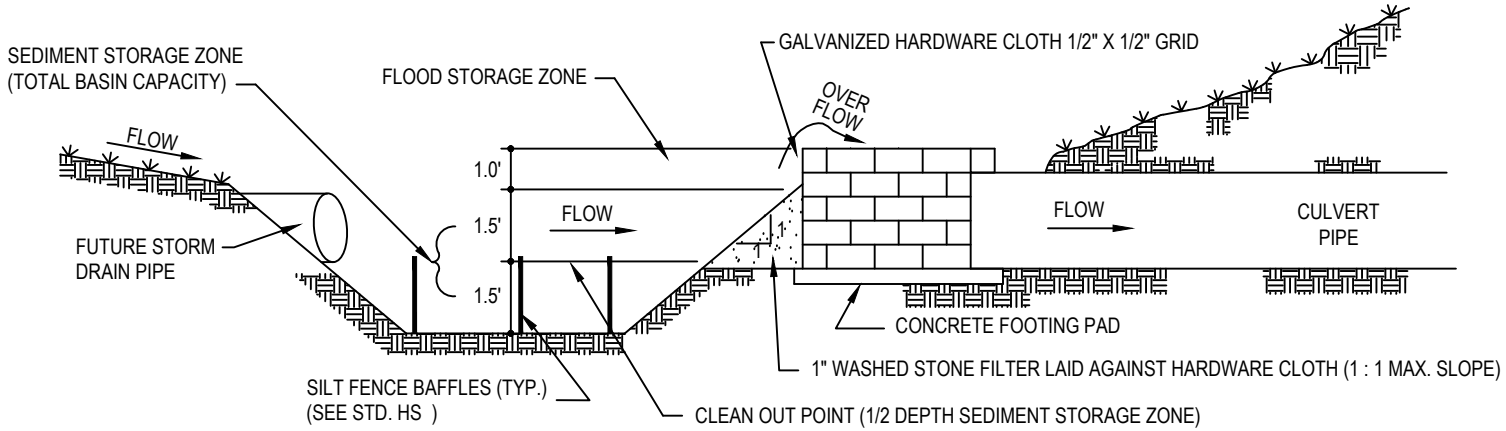
MAINTENANCE:
INSPECT WEEKLY AND AFTER EACH SIGNIFICANT RAIN EVENT. REMOVE SEDIMENT AND RESTORE BASIN AND BAFFLES TO ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH.

SHOULD THE STONE BECOME INUNDATED WITH SEDIMENT OR OTHER DEBRIS, OR HARDWARE CLOTH AND STONE DAMAGED OR WASHED OUT, REPLACE IMMEDIATELY WITH CLEAN WASH STONE AND NEW HARDWARE CLOTH.

NOTES:
1. AT END OF PROJECT, CATCH BASIN CAN BE RAISED AS NEEDED PLUGGING OPEN COURSE OF BLOCK WITH MORTAR.

2. RISER CAN BE BUILT AS A STANDARD CATCH BASIN/JUNCTION BOX (WITH WEEP HOLES) IN RECEIVING WALL AND BE UTILIZED AS SUCH WHEN PROJECT IS STABLE.

3. IF DRAINAGE AREA IS OVER 5 ACRES THEN THIS STRUCTURE NEEDS TO BE TREATED AS A RISER STRUCTURE AND ALL RELATED INFORMATION NEEDS TO BE SUPPLIED. (TRASH RACK, ELEVATIONS, ETC.).



SECTION VIEW

DRAWING NOT TO SCALE

CATCH BASIN RISER/FILTER

TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS408

DATE	REVISIONS
7/24/09	
6/11/24	

HOLLY SPRINGS
North Carolina

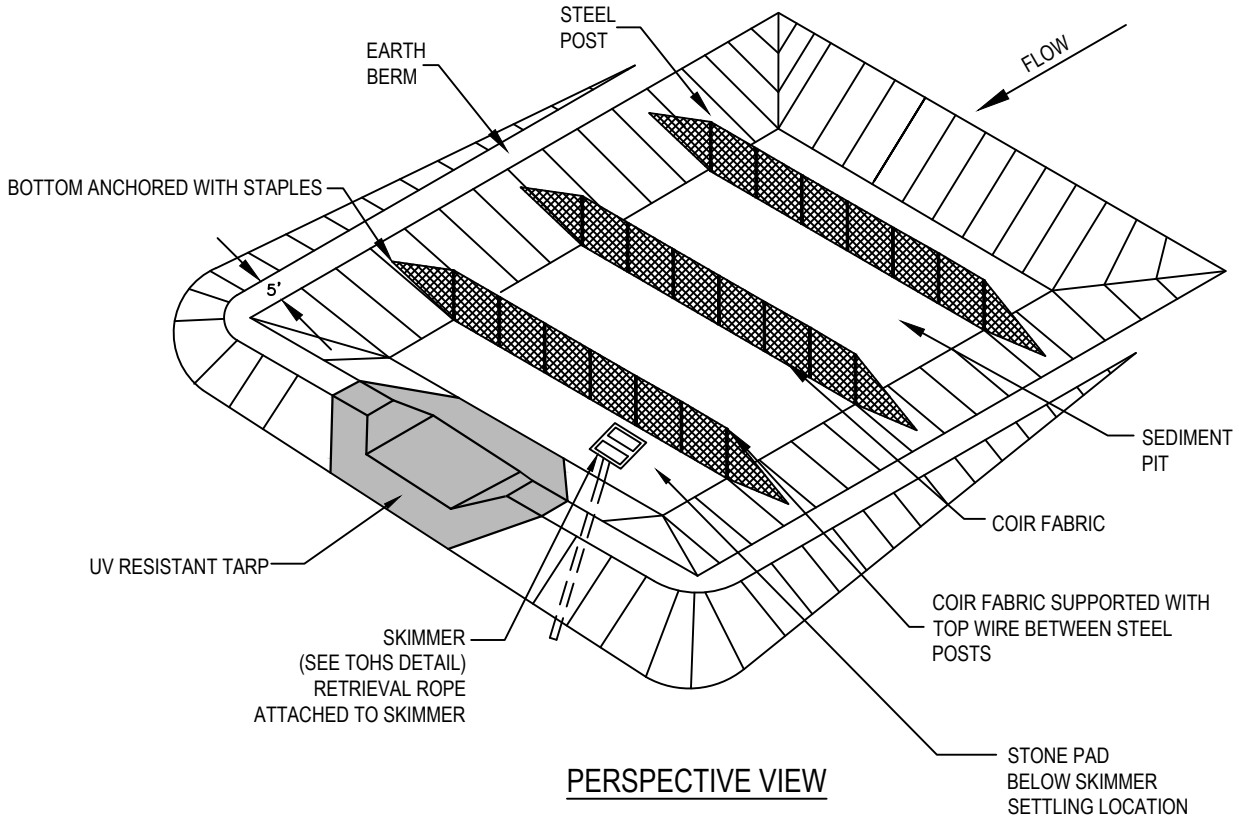
MAINTENANCE:
INSPECT SKIMMER SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE-HALF THE HEIGHT OF THE FIRST BAFFLE. PULL THE SKIMMER TO ONE SIDE SO THAT THE SEDIMENT UNDERNEATH IT CAN BE EXCAVATED. EXCAVATE THE SEDIMENT FROM THE ENTIRE BASIN, NOT JUST AROUND THE SKIMMER OR THE FIRST CELL. REPAIR THE BAFFLES IF THEY ARE DAMAGED. RE-ANCHOR THE BAFFLES IF WATER IS FLOWING UNDERNEATH OR AROUND THEM. IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USE ROPE TO SHAKE AND TRY TO DISLODGE THE DEBRIS AND RESTORE FLOW. IF THIS DOES NOT WORK, PULL THE SKIMMER OVER SEE IF IT IS CLOGGED; IF SO REMOVE THE DEBRIS. ENSURE VEGETATION GROWING IN THE BOTTOM OF THOSE BASIN DOES NOT HOLD DOWN THE SKIMMER.

IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION CLEARED WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH WATER. BE SURE AND REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER.

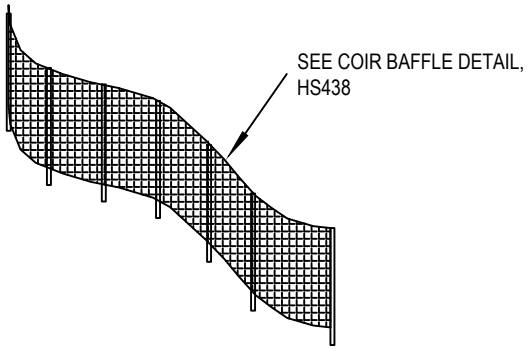
CHECK THE FABRIC LINED SPILLWAY FOR DAMAGE AND MAKE ANY REQUIRED REPAIRS WITH FABRIC THAT SPANS THE FULL WIDTH OF THE SPILLWAY. CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLETS FOR EROSION DAMAGE, AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE SKIMMER AND POOL AREAS.

NOTES:
1. STONE PAD INSTALLED AT LOCATION SKIMMER SETTLES (3'X3'X1'D)

*IF BASIN WILL BE CONVERTED TO PERMANENT SCM, PERMANENT RISER STRUCTURE MUST BE INSTALLED PRIOR TO ISSUANCE OF CERTIFICATE OF COMPLIANCE, WITH THE SKIMMER ATTACHED TO THE RISER STRUCTURE AT THE PROPER ELEVATION.



PERSPECTIVE VIEW



DRAWING NOT TO SCALE

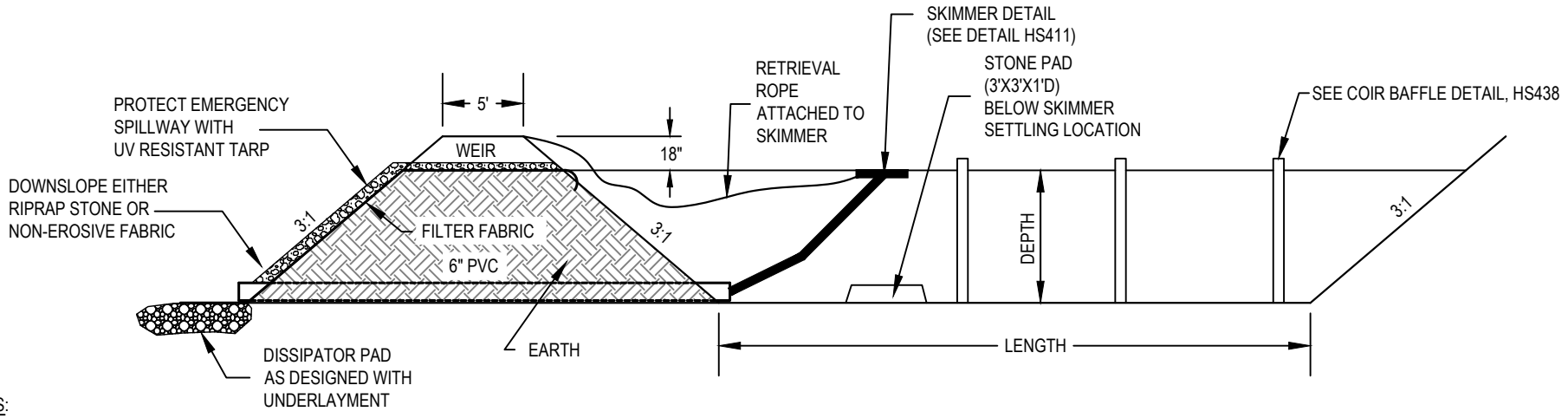
STANDARD SKIMMER FILTER BASIN (PLAN VIEW)

TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS409

DATE	REVISIONS
4/16/19	
6/11/24	

HOLLY SPRINGS
North Carolina



NOTES:

1. USE FOR DRAINAGE AREAS NOT EXCEEDING 5 (FIVE) ACRES.

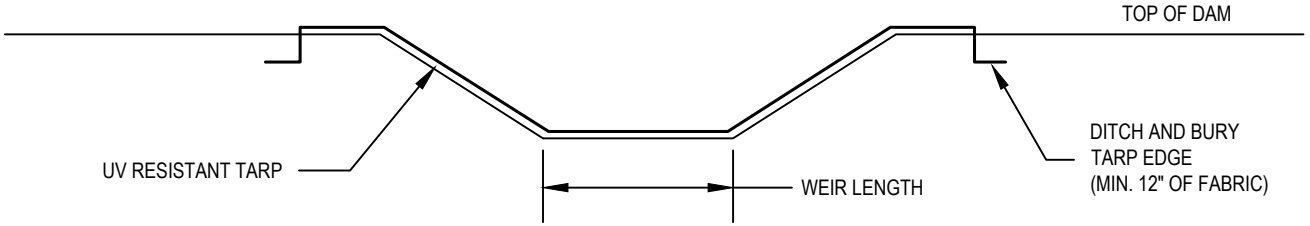
2. EARTH BERM SHALL BE STABILIZED W/ SEEDING ACCORDING TO TOWN SPECIFICATIONS.

EMERGENCY SPILLWAY DETAIL

DESIGN OF SPILLWAYS

DRAINAGE AREA (ACRES)	WEIR LENGTH (FT) [1]
1	4.0
2	6.0
3	8.0
4	10.0
5	12.0

[1] DIMENSIONS SHOWN ARE MINIMUM



MAINTENANCE

INSPECT TEMPORARY SEDIMENT TRAPS AND EMPTY SKIMMER OF ALL DEBRIS AFTER EACH PERIOD OF SIGNIFICANT RAINFALL. REMOVE SEDIMENT AND RESTORE TRAP TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. PLACE THE SEDIMENT THAT IS REMOVED IN A DESIGNATED DISPOSAL AREA AND REPLACE THE CONTAMINATED PART OF THE GRAVEL FACING.

CHECK THE STRUCTURE FOR DAMAGE FROM EROSION OR PIPING. PERIODICALLY CHECK THE DEPTH OF THE SPILLWAY TO ENSURE IT IS A MINIMUM OF 1.5 FT BELOW THE LOW POINT OF THE EMBANKMENT. IMMEDIATELY FILL ANY SETTLEMENT OF THE EMBANKMENT TO SLIGHTLY ABOVE DESIGN GRADE. ANY RIPRAP DISPLACED FROM THE SPILLWAY MUST BE REPLACED IMMEDIATELY.

STABILIZE THE EMBANKMENT AND ALL DISTURBED AREAS ABOVE THE SEDIMENT POOL AND DOWNSTREAM FROM THE TRAP IMMEDIATELY AFTER CONSTRUCTION WITH SEEDING.

DRAWING NOT TO SCALE

STANDARD SKIMMER FILTER BASIN (PROFILE VIEW)

TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS410

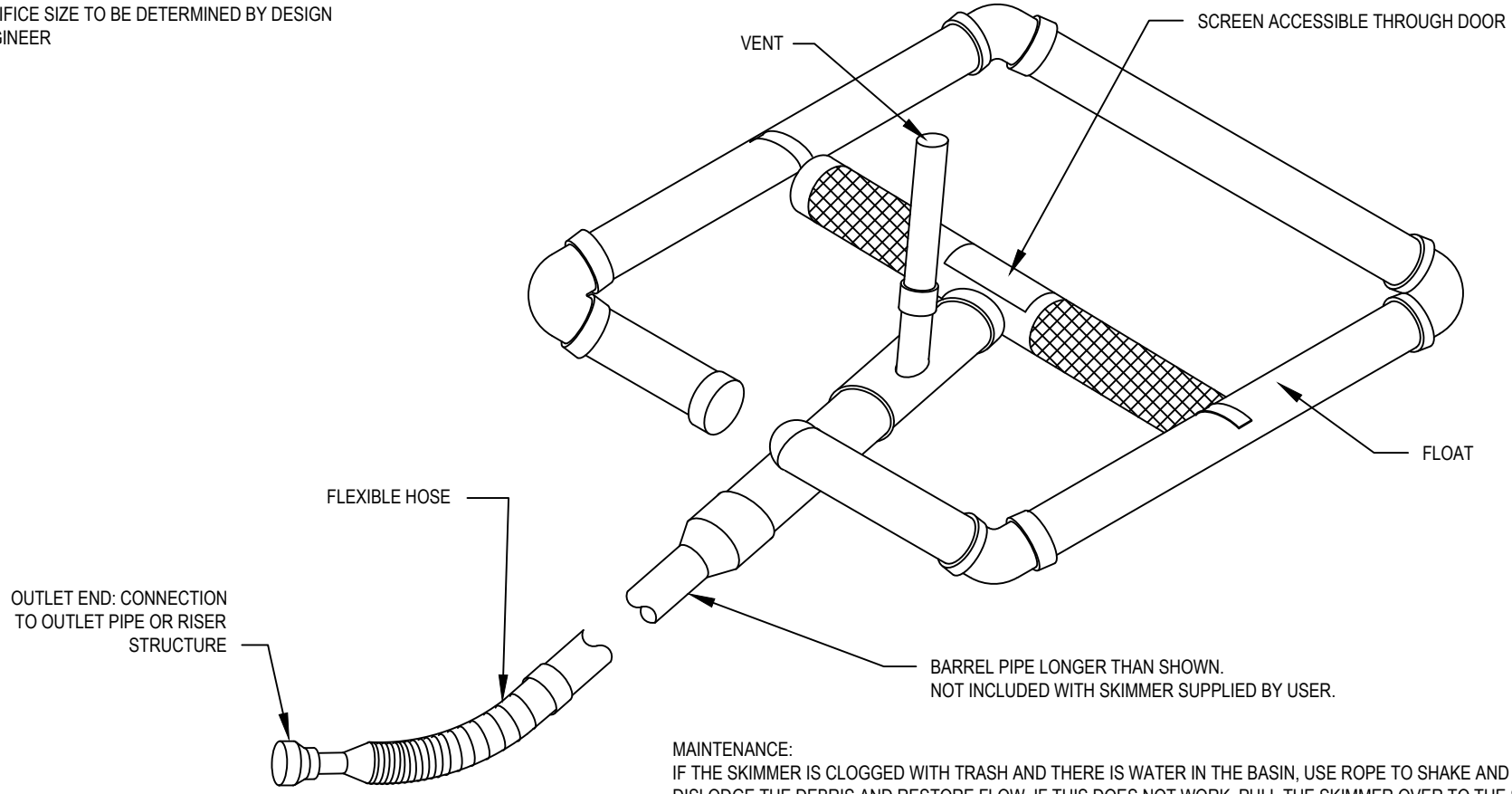
DATE	REVISIONS
4/16/19	
6/11/24	

HOLLY SPRINGS
North Carolina

NOTES:

1. SKIMMER IS TO BE A SURFACE DEWATERING DEVICE SUCH AS BMP SKIMMER OR APPROVED DEVICE.

2. *ORIFICE SIZE TO BE DETERMINED BY DESIGN ENGINEER



MAINTENANCE:
IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USE ROPE TO SHAKE AND TRY TO DISLODGE THE DEBRIS AND RESTORE FLOW. IF THIS DOES NOT WORK, PULL THE SKIMMER OVER TO THE SIDE OF THE BASIN AND REMOVE THE DEBRIS. ALSO CHECK THE ORIFICE INSIDE THE SKIMMER TO SEE IF IT IS CLOGGED; IF SO REMOVE THE DEBRIS. ENSURE VEGETATION GROWING IN THE BOTTOM OF THE BASIN DOES NOT HOLD DOWN THE SKIMMER.

IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION CLEARED WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH WATER. BE SURE AND REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER.

DRAWING NOT TO SCALE

STANDARD SKIMMER DETAIL

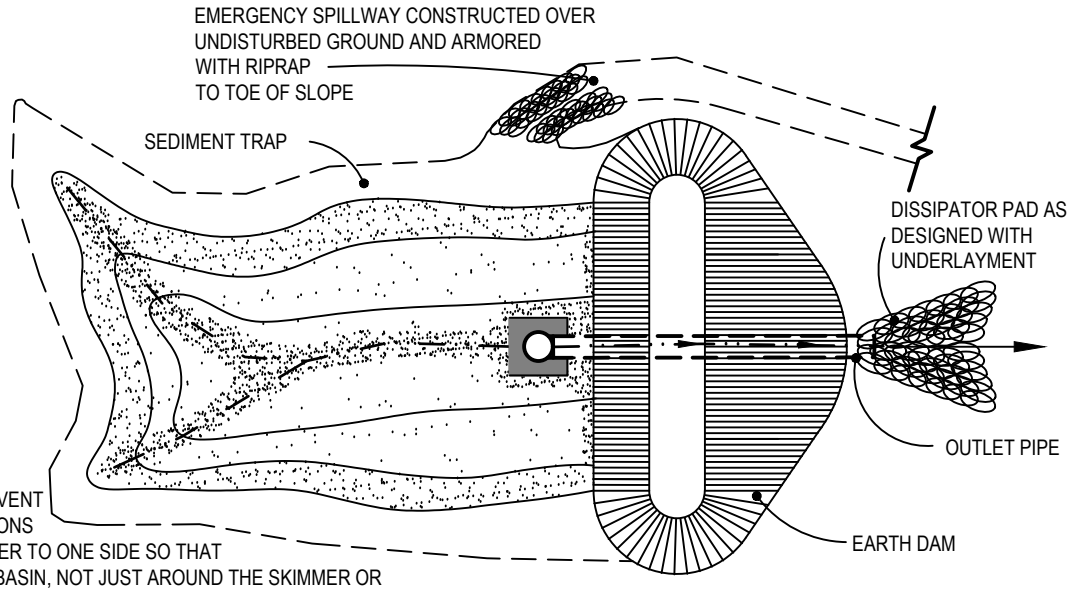
TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS411

DATE	REVISIONS
7/24/09	
6/11/24	

HOLLY SPRINGS
North Carolina

	DIMENSIONS	ELEV.
EMERGENCY SPILLWAY		
TOP OF DAM WIDTH		
ANTI-SEEP COLLAR		
RIPRAP DISSIPATER PAD		
ANTI-FLOATATION DEVICE		
TOP OF RISER		
OUTLET PIPE INVERT IN		
OUTLET PIPE INVERT OUT		
SEDIMENT STORAGE AREA		



PLAN VIEW

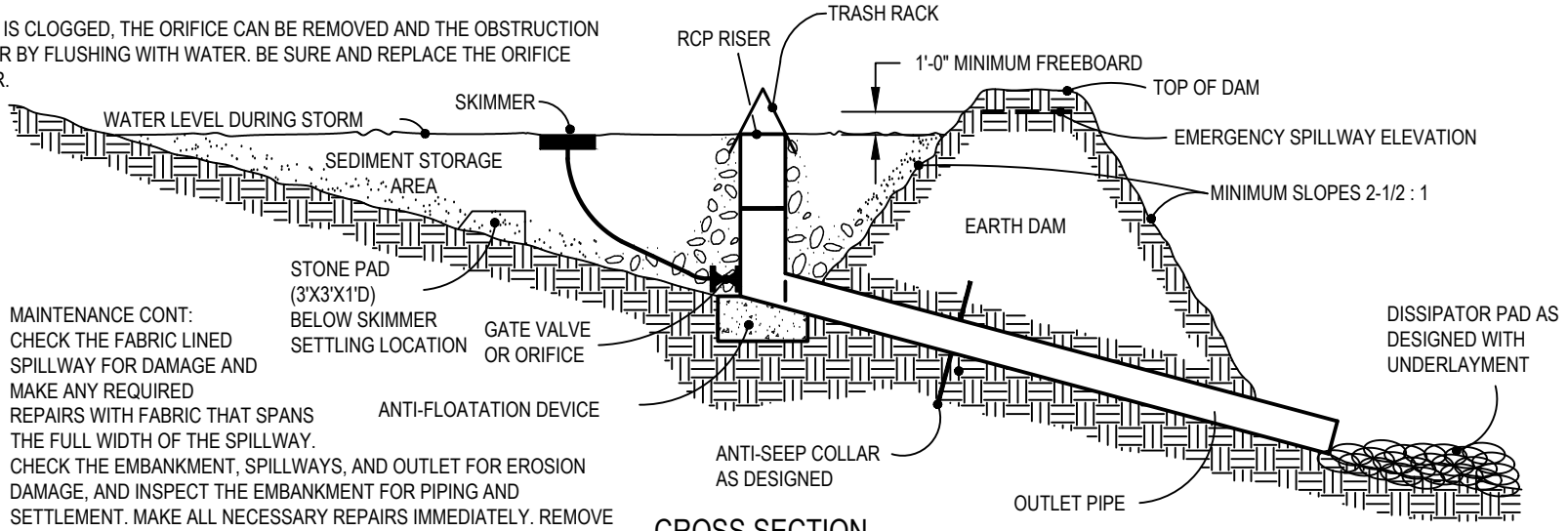
MAINTENANCE:
INSPECT SKIMMER SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE-HALF THE HEIGHT OF THE FIRST BAFFLE. PULL THE SKIMMER TO ONE SIDE SO THAT THE SEDIMENT UNDERNEATH IT CAN BE EXCAVATED. EXCAVATE THE SEDIMENT FROM THE ENTIRE BASIN, NOT JUST AROUND THE SKIMMER OR THE FIRST CELL. REPAIR THE BAFFLES IF THEY ARE DAMAGED. RE-ANCHOR THE BAFFLES IF WATER IS FLOWING UNDERNEATH OR AROUND THEM.

IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USE ROPE TO SHAKE AND TRY TO DISLODGE THE DEBRIS AND RESTORE FLOW. IF THIS DOES NOT WORK, PULL THE SKIMMER OVER TO THE SIDE OF THE BASIN AND REMOVE THE DEBRIS. ALSO CHECK THE ORIFICE INSIDE THE SKIMMER TO SEE IF IT IS CLOGGED; IF SO REMOVE THE DEBRIS. ENSURE VEGETATION GROWING IN THE BOTTOM OF THE BASIN DOES NOT HOLD DOWN THE SKIMMER.

IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION CLEARED WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH WATER. BE SURE AND REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER.

NOTE:
RETRIEVAL ROPE ATTACHED TO SKIMMER

DESIGN ENGINEER MUST SIGN AND SEAL BASIN DESIGN BELOW



CROSS SECTION

MAINTENANCE CONT:
CHECK THE FABRIC LINED SPILLWAY FOR DAMAGE AND MAKE ANY REQUIRED REPAIRS WITH FABRIC THAT SPANS THE FULL WIDTH OF THE SPILLWAY.
CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE, AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE SKIMMER AND POOL AREAS.

DRAWING NOT TO SCALE

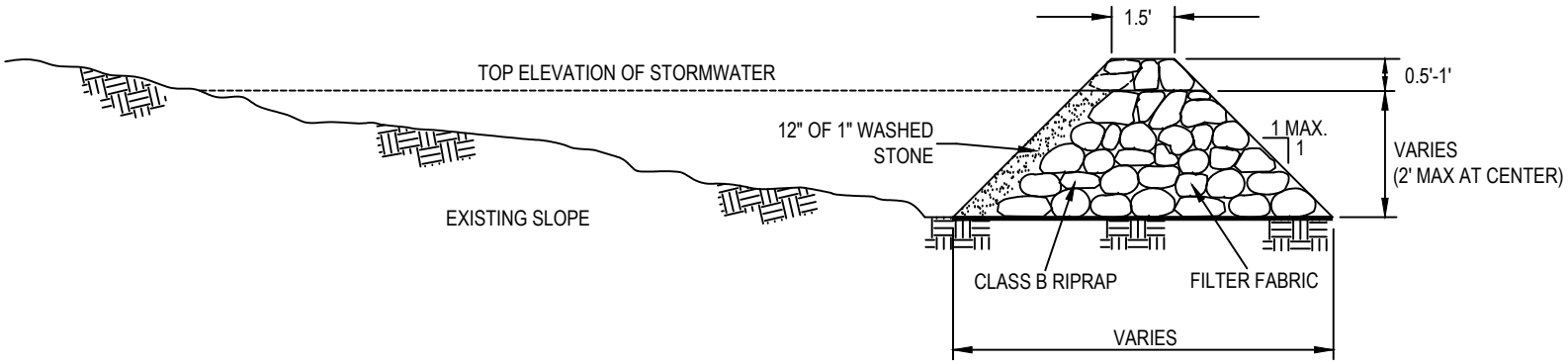
STANDARD RISER-BARREL SEDIMENT BASIN (WITH SKIMMER)

TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS412

DATE	REVISIONS
12/18/18	
6/11/24	

HOLLY SPRINGS
North Carolina



SIDE VIEW

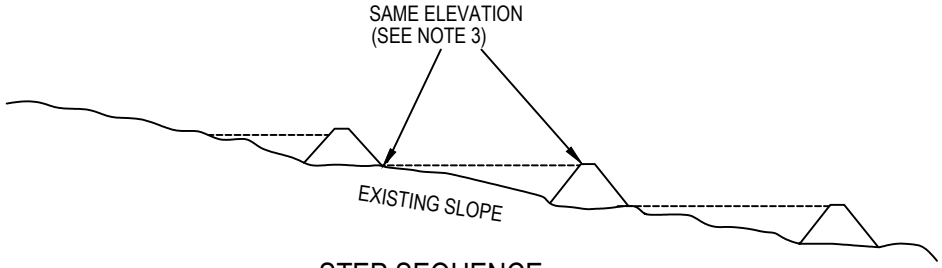
NOTES:
1. HEIGHT & WIDTH DETERMINED BY EXISTING TOPOGRAPHY AND SEDIMENT STORAGE REQUIRED.

2. KEY RIPRAP INTO THE DAM FOR STABILIZATION.

3. TOP OF DOWNHILL CHECK DAM IS TO BE SAME ELEVATION OF BOTTOM OF UPHILL CHECK DAM.

MAINTENANCE;
INSPECT CHECK DAMS AND CHANNELS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT AND REPAIR IMMEDIATELY. CLEAN OUT SEDIMENT, STRAW, LIMBS, OR OTHER DEBRIS THAT COULD CLOG THE CHANNEL AND STONE AS NEEDED.

INSPECT FOR EROSION AROUND EDGES OF CHECK DAM AND UNDERMINING. CORRECT ALL DAMAGE IMMEDIATELY. REPLACE STONE AS NEEDED.



STEP SEQUENCE

DRAWING NOT TO SCALE

CHECK DAM

TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS413

DATE	REVISIONS
9/21/16	
6/11/24	

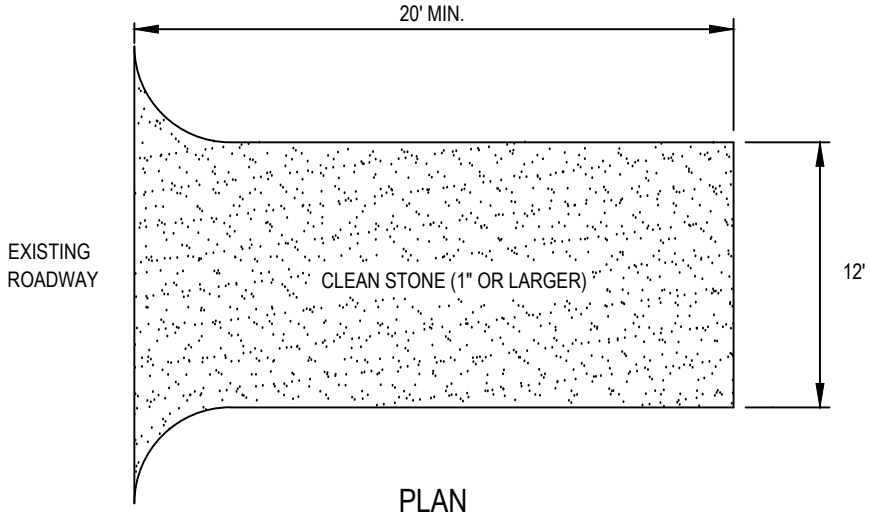
HOLLY SPRINGS
North Carolina

MAINTENANCE:
MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT TRACKING OF SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH MINIMUM SAME SIZE STONE.

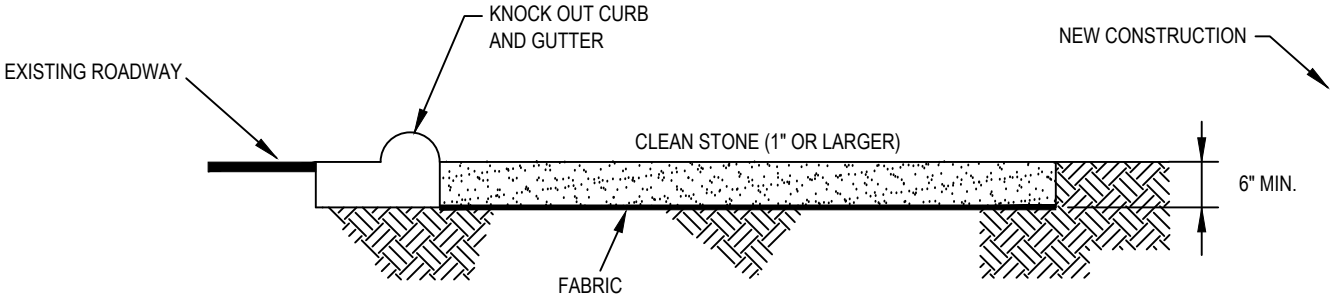
ANY MATERIAL WHICH STILL MAKES IT ONTO STREET MUST BE CLEANED IMMEDIATELY.

NOTES:

1. REFER TO DWG. STD. HS320 STANDARD DRIVEWAY APRON
2. REFER TO DWG. STD. HS323 STANDARD METHOD OF ENDING CURB AND GUTTER
3. FABRIC TO BE ADDED UNDER THE STONE



PLAN



CROSS SECTION

DRAWING NOT TO SCALE

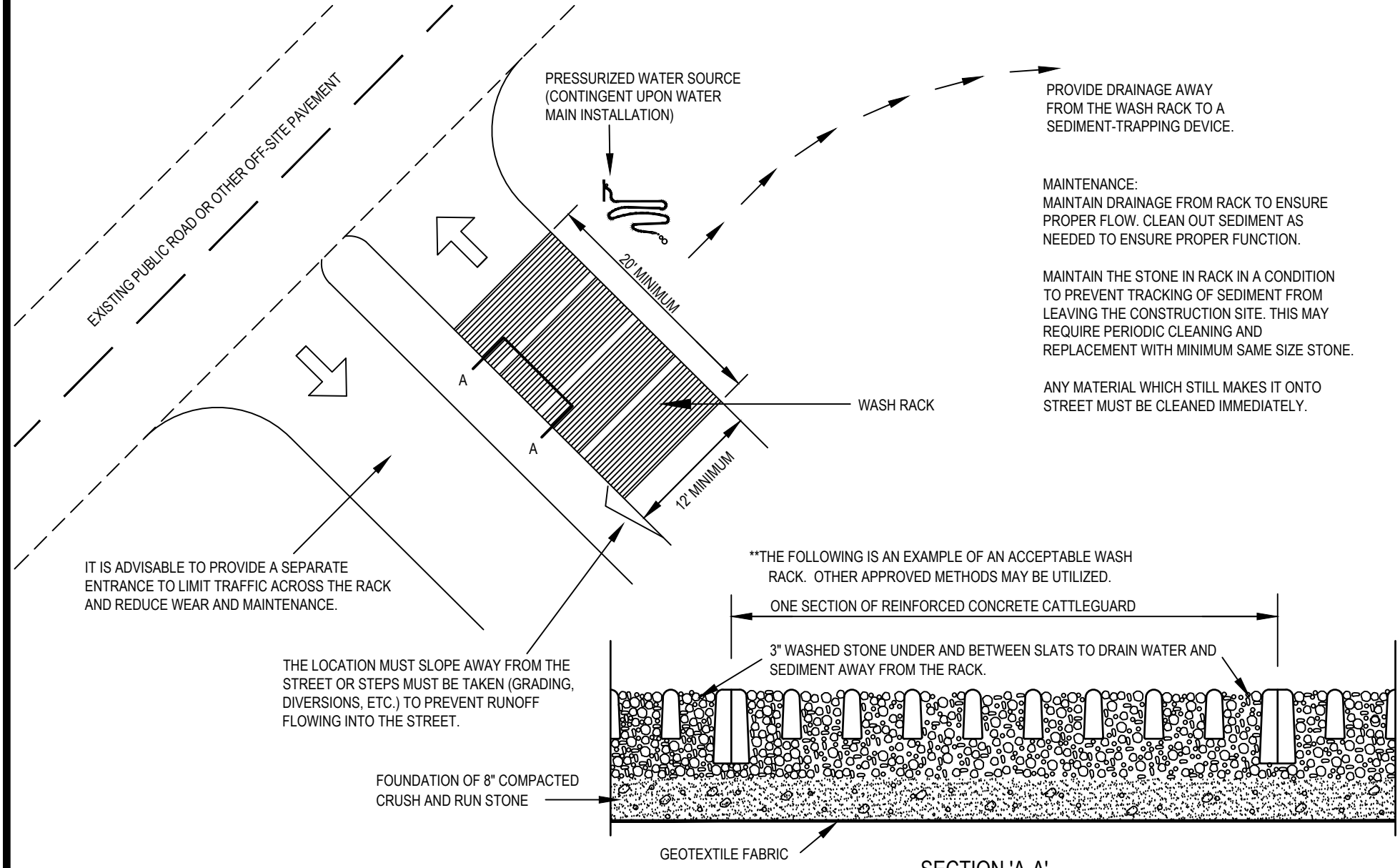
RESIDENTIAL CONSTRUCTION ENTRANCE (INDIVIDUAL LOT)

TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS415

DATE	REVISIONS
7/24/09	
6/11/24	

HOLLY SPRINGS
North Carolina



MAINTENANCE:
MAINTAIN DRAINAGE FROM RACK TO ENSURE PROPER FLOW. CLEAN OUT SEDIMENT AS NEEDED TO ENSURE PROPER FUNCTION.

MAINTAIN THE STONE IN RACK IN A CONDITION TO PREVENT TRACKING OF SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC CLEANING AND REPLACEMENT WITH MINIMUM SAME SIZE STONE.

ANY MATERIAL WHICH STILL MAKES IT ONTO STREET MUST BE CLEANED IMMEDIATELY.

**THE FOLLOWING IS AN EXAMPLE OF AN ACCEPTABLE WASH RACK. OTHER APPROVED METHODS MAY BE UTILIZED.

SECTION 'A-A'

DRAWING NOT TO SCALE

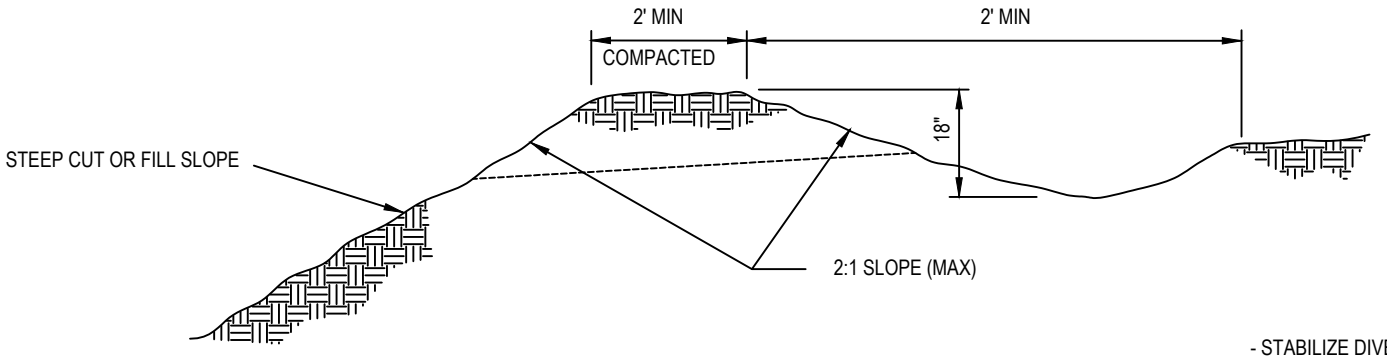
STANDARD CONSTRUCTION EXIT WASH RACK

TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS416

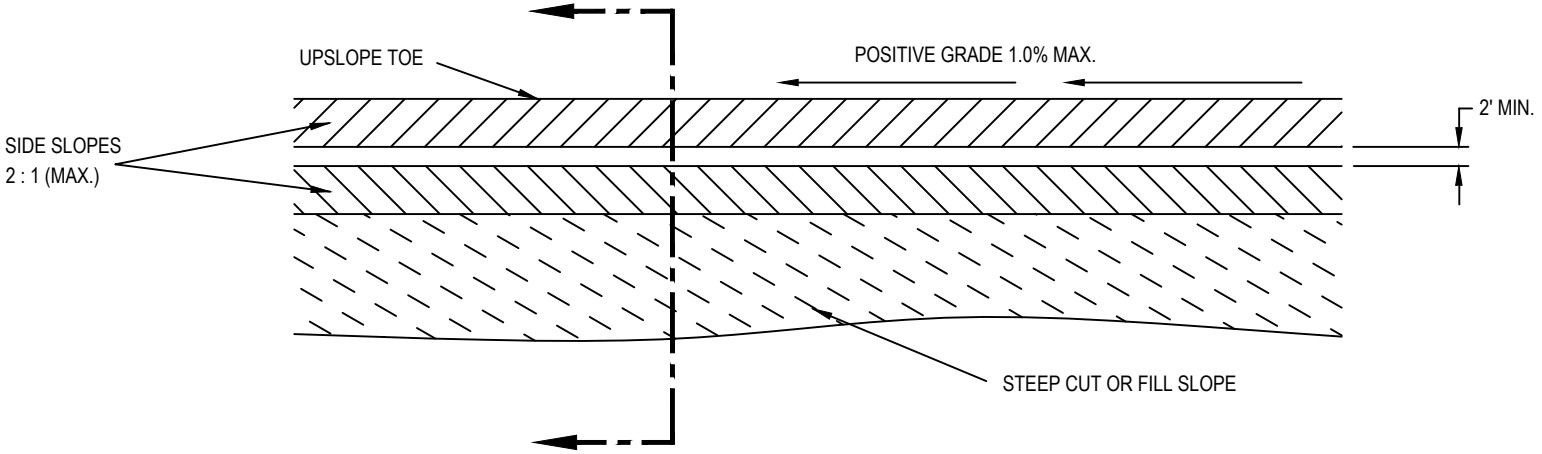
DATE	REVISIONS
7/24/09	
6/11/24	

HOLLY SPRINGS
North Carolina



CROSS SECTION

- STABILIZE DIVERSION DITCH WITH PERMANENT SEEDING AND EROSION CONTROL MATTING



PLAN VIEW

MAINTENANCE:
INSPECT DIVERSIONS ONCE A WEEK AND AFTER EVERY RAINFALL. IMMEDIATELY REMOVE SEDIMENT FROM THE FLOW AREA AND REPAIR THE DIVERSION RIDGE. CAREFULLY CHECK OUTLETS AND MAKE TIMELY REPAIRS AS NEEDED.

DRAWING NOT TO SCALE

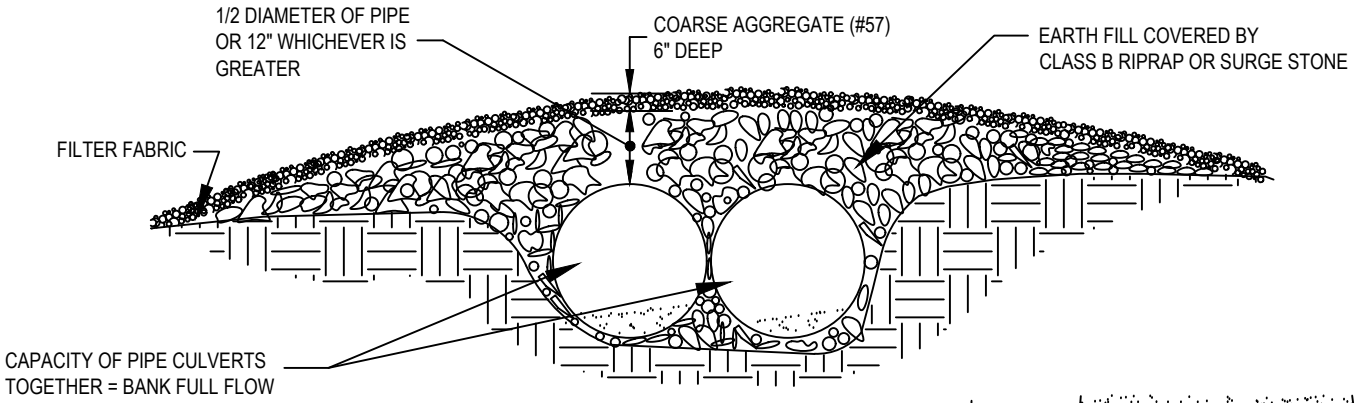
PERMANENT DIVERSION DITCH

TOWN OF HOLLY SPRINGS

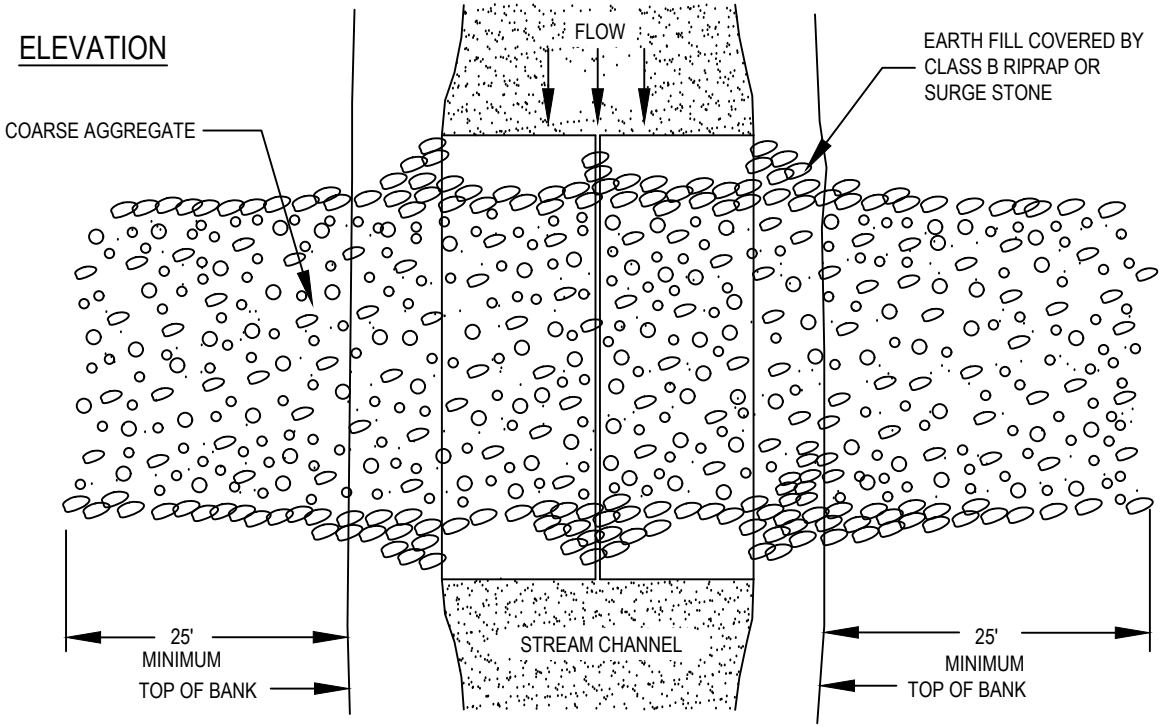
STANDARD DETAIL NUMBER: HS417

DATE	REVISIONS
7/24/09	
6/11/24	

HOLLY SPRINGS
North Carolina



ELEVATION



PLAN

MAINTENANCE:
INSPECT TEMPORARY STREAM CROSSINGS AFTER RUNOFF-PRODUCING RAINS TO CHECK FOR BLOCKAGE IN CHANNEL, EROSION OF ABUTMENTS, CHANNEL SCOUR, RIPRAP DISPLACEMET, OR PIPING. MAKE ALL REPAIRS IMMEDIATELY TO PREVENT FURTHER DAMAGE TO THE INSTALLATION.

DRAWING NOT TO SCALE

TEMPORARY STREAM CROSSING

TOWN OF HOLLY SPRINGS

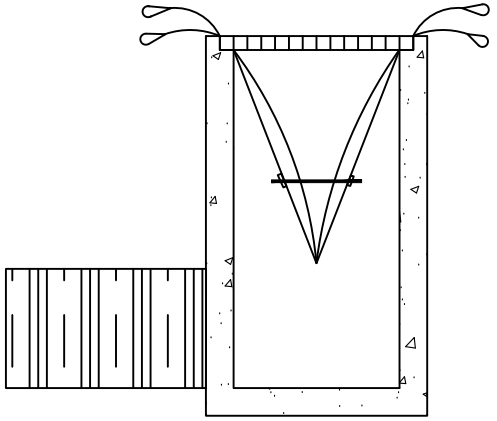
STANDARD DETAIL NUMBER: HS418

DATE	REVISIONS
7/24/09	
6/11/24	

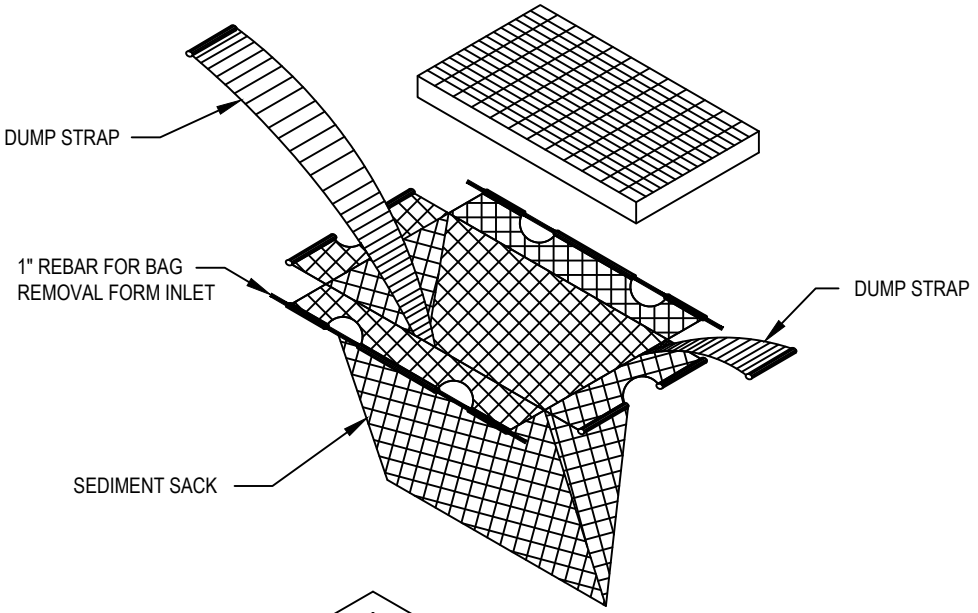
HOLLY SPRINGS
North Carolina

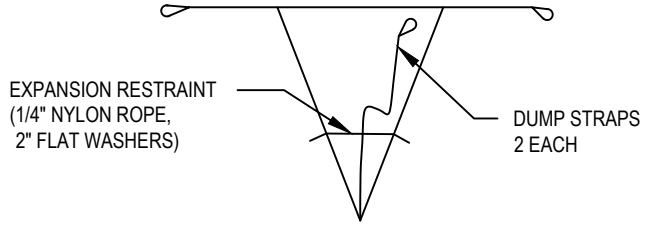
NOTES:

1. ALTERNATE SILT SACKS MAY BE USED PROVIDED THEY MEET MINIMUM DESIGN CRITERIA AND FUNCTION

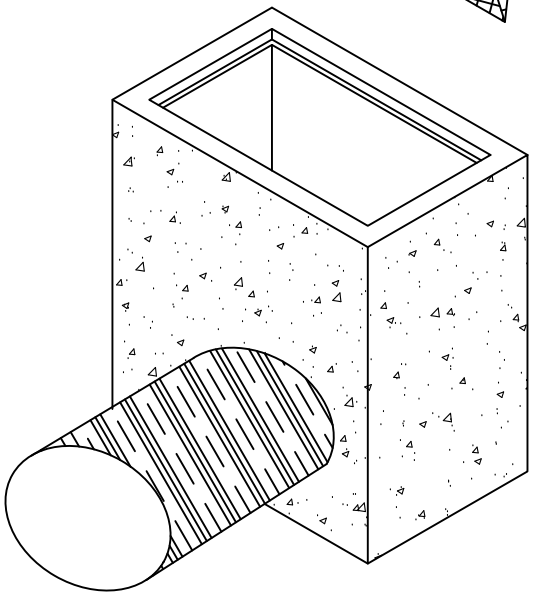


INSTALLATION DETAIL





BAG DETAIL



MAINTENANCE:
CLEAN OUT DEVICE WHEN HALF FULL OF SEDIMENT.

CHECK FOR RIPS, TEARS, AND HOLES AND REPLACE IF ANY ARE PRESENT.

ENSURE DEVICE IS SEATED IN INLET, NOT FALLING IN.

DRAWING NOT TO SCALE

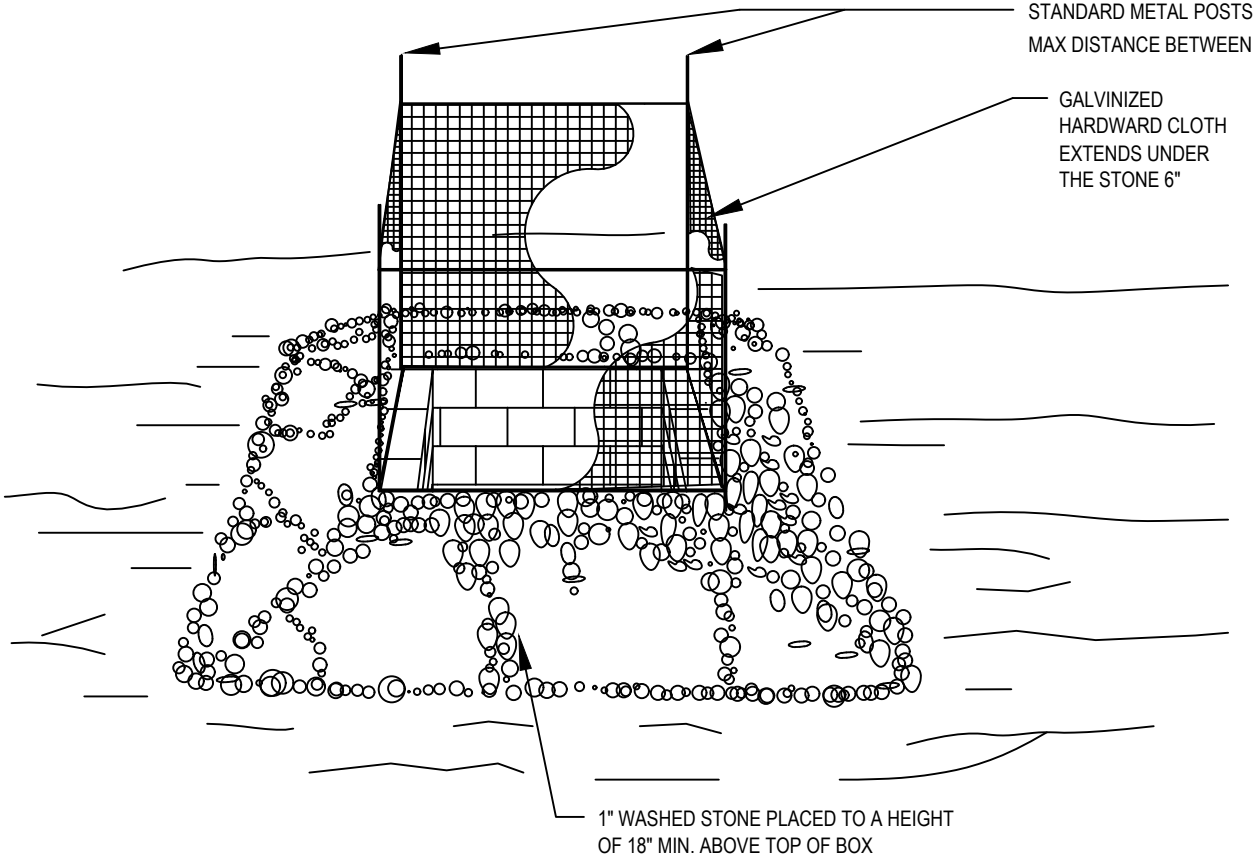
STANDARD INLET SEDIMENT CONTROL DEVICE

TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS420

DATE	REVISIONS
7/24/09	
6/11/24	

HOLLY SPRINGS
North Carolina



MAINTENANCE:
INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT RAIN EVENT. CLEAR THE HARDWARE CLOTH OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE HARDWARE CLOTH DURING SEDIMENT REMOVAL.

REPLACE STONE AND REPAIR HARDWARE CLOTH AS NEEDED.

DRAWING NOT TO SCALE

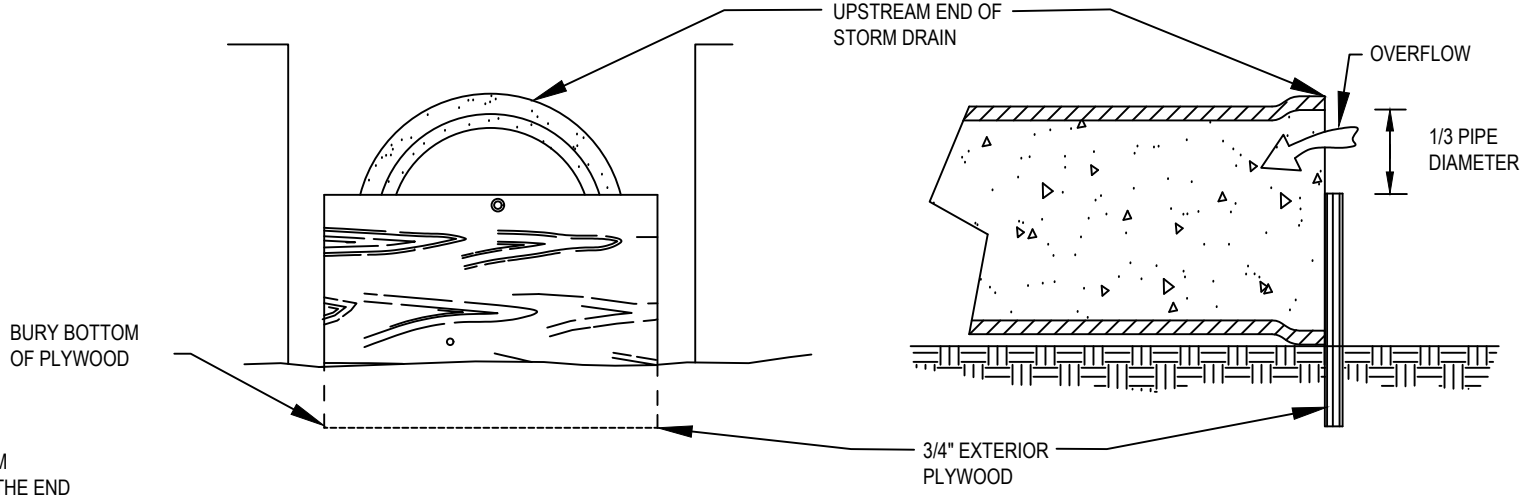
STANDARD CATCH BASIN/YARD INLET PROTECTION

TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS422

DATE	REVISIONS
9/21/16	
6/11/24	

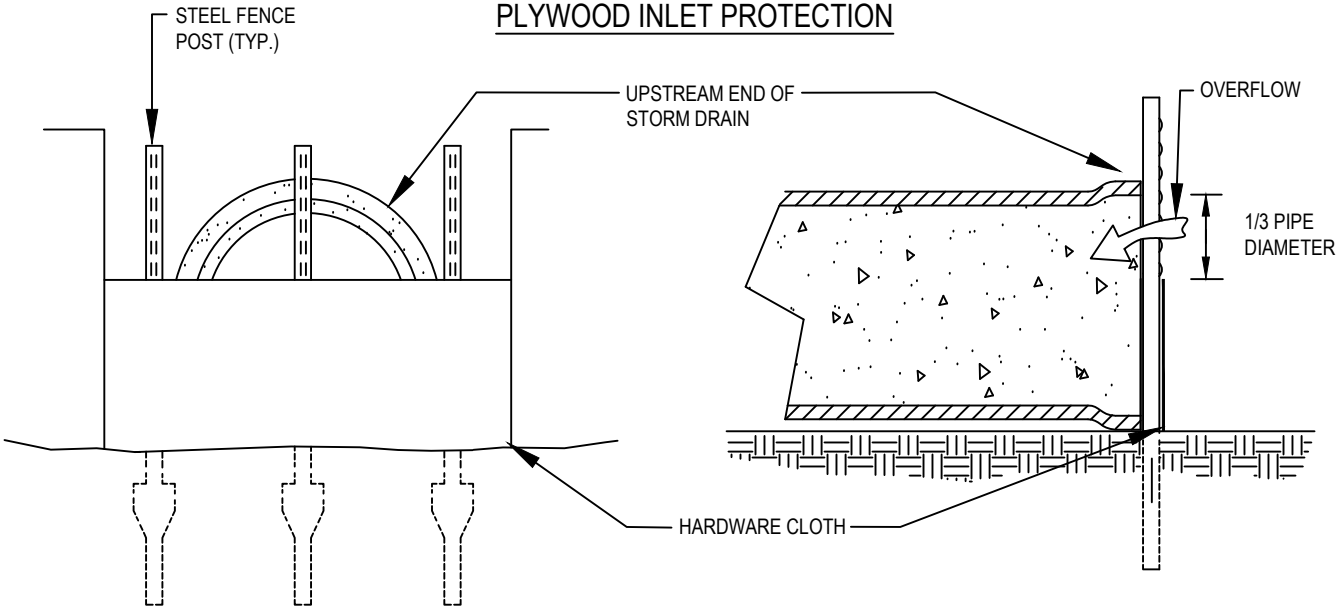
HOLLY SPRINGS
North Carolina



NOTES:

1. ALL PARTIALLY COMPLETED STORM DRAINS SHALL BE PROTECTED AT THE END OF EACH DAY IN ACCORDANCE WITH THESE DETAILS.

PLYWOOD INLET PROTECTION



STONE FILTER INLET PROTECTION

MAINTENANCE:
CLEAN SEDIMENT AND RESTORE THE SEDIMENT STORAGE AREA TO ITS ORIGINAL DIMENSIONS WHEN ACCUMULATED HALFWAY UP THE PIPE OR GREATER.

INSPECT AND REPAIR AS NEEDED THE PLYWOOD OR HARDWARE CLOTH/STONE AT LEAST WEEKLY AND AFTER EVERY SIGNIFICANT RAIN EVENT.

DRAWING NOT TO SCALE

PIPE INLET PROTECTION (PLYWOOD AND STONE)

TOWN OF HOLLY SPRINGS

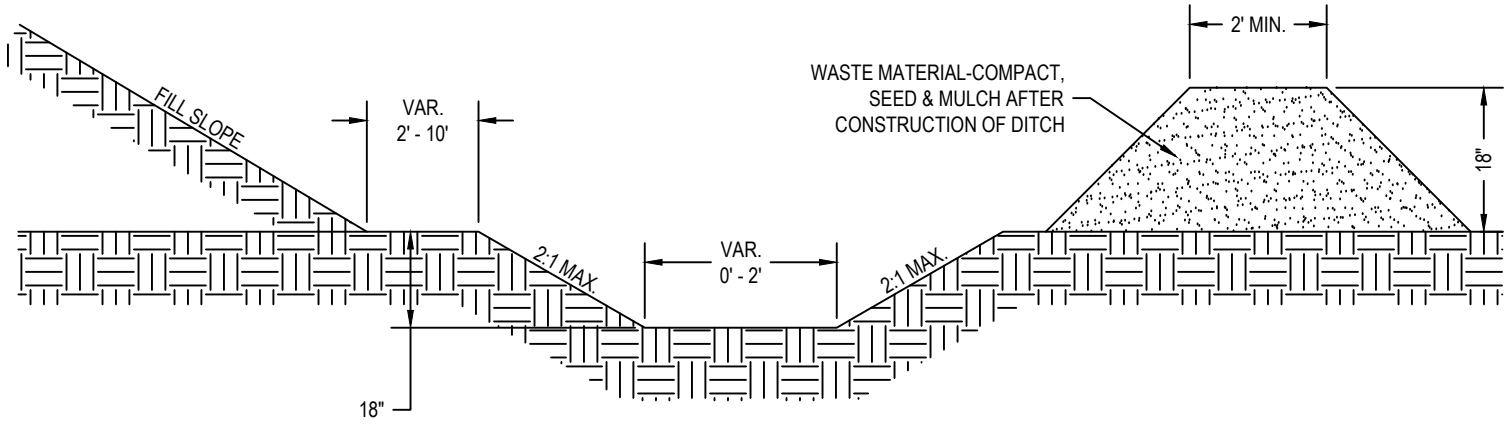
STANDARD DETAIL NUMBER: HS423

DATE	REVISIONS
9/21/16	
6/11/24	

HOLLY SPRINGS
North Carolina

NOTES:

1. TEMPORARY DIVERSION TO BE USED WHERE TOE OF FILL SLOPES EXCEEDS 3 FEET IN VERTICAL HEIGHT AND ALONG STREAMS TO INTERCEPT FLOW AND/OR DIVERT TO A CONTROLLED OUTLET.
2. SILT SHALL BE REMOVED WHEN SILT TEMPORARY DIVERSION IS ONE-HALF FULL.
3. TEMPORARY DIVERSION SHALL BE RECONSTRUCTED WHEN DAMAGED BY EQUIPMENT OR COVERED BY FILL.
4. ALL TEMPORARY AND PERMANENT DIVERSIONS ARE REQUIRED TO BE LINED WITH AN EROSION CONTROL MATTING THAT MEETS DESIGN CRITERIA.



CROSS SECTIONAL VIEW

DRAWING NOT TO SCALE

TEMPORARY DIVERSION

TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS424

DATE	REVISIONS
7/24/09	
6/11/24	

HOLLY SPRINGS
North Carolina

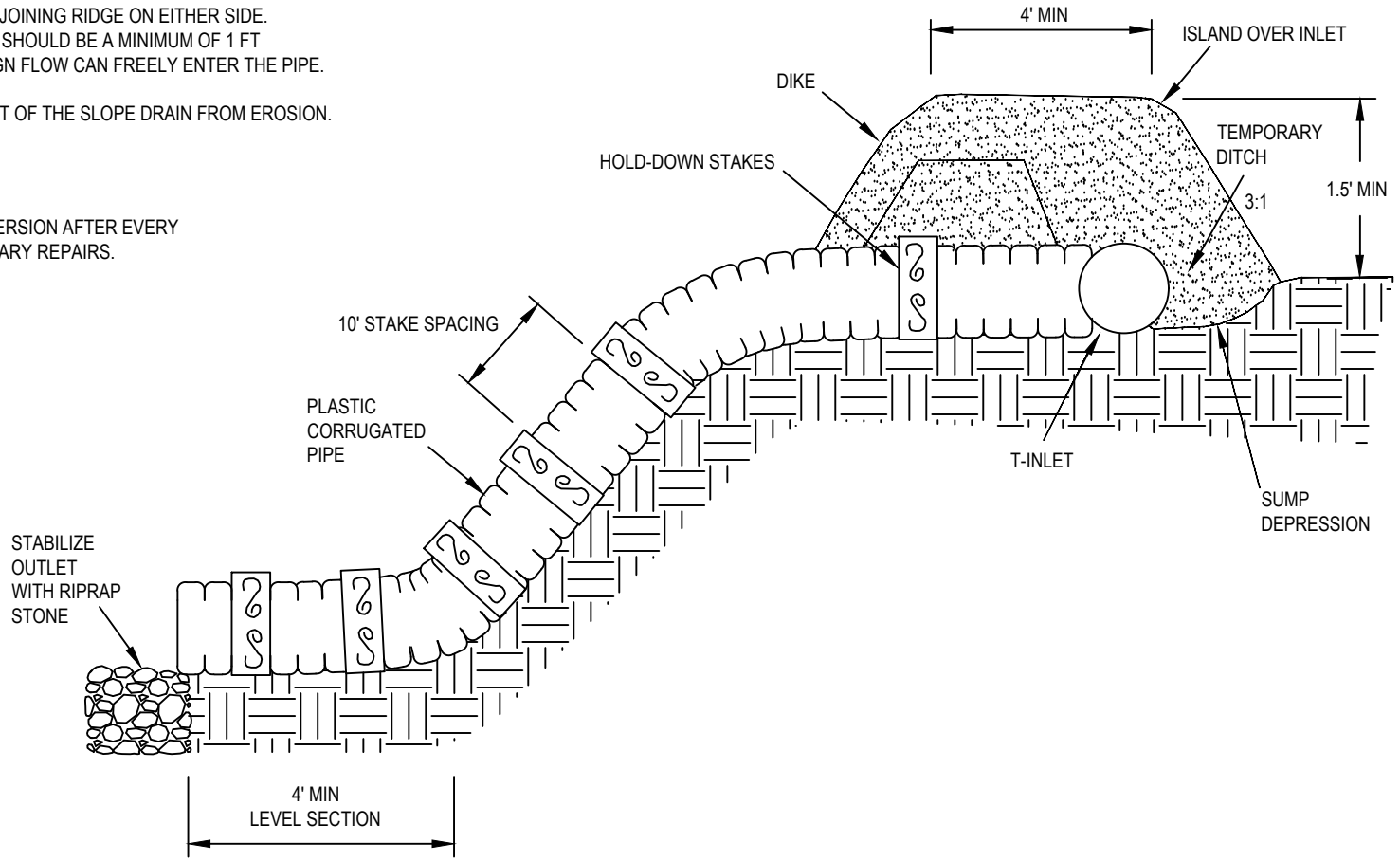
NOTES:

1. ENTRANCE-CONSTRUCT THE ENTRANCE TO THE SLOPE DRAIN OF A STANDARD FLARED-END SECTION OF PIPE WITH A MINIMUM 6-INCH METAL TOE PLATE (CROSS-SECTION VIEW). MAKE ALL FITTINGS WATERTIGHT. A STANDARD T-SECTION FITTING MAY ALSO BE USED AT THE INLET.

2. TEMPORARY DIVERSION-GENERALLY, USE AN EARTHEN DIVERSION WITH A DIKE RIDGE TO DIRECT SURFACE RUNOFF INTO THE TEMPORARY SLOPE DRAIN. MAKE THE HEIGHT OF THE RIDGE OVER THE DRAIN CONDUIT A MINIMUM OF 1.5 FT AND AT LEAST 6 INCHES HIGHER THAN THE ADJOINING RIDGE ON EITHER SIDE. THE LOWEST POINT OF THE DIVERSION RIDGE SHOULD BE A MINIMUM OF 1 FT ABOVE THE TOP OF THE DRAIN SO THAT DESIGN FLOW CAN FREELY ENTER THE PIPE.

3. OUTLET PROTECTION-PROTECT THE OUTLET OF THE SLOPE DRAIN FROM EROSION.

MAINTENANCE:
INSPECT SLOPE DRAIN AND SUPPORTING DIVERSION AFTER EVERY RAINFALL AND PROMPTLY MAKE ANY NECESSARY REPAIRS.



CROSS-SECTION VIEW

DRAWING NOT TO SCALE

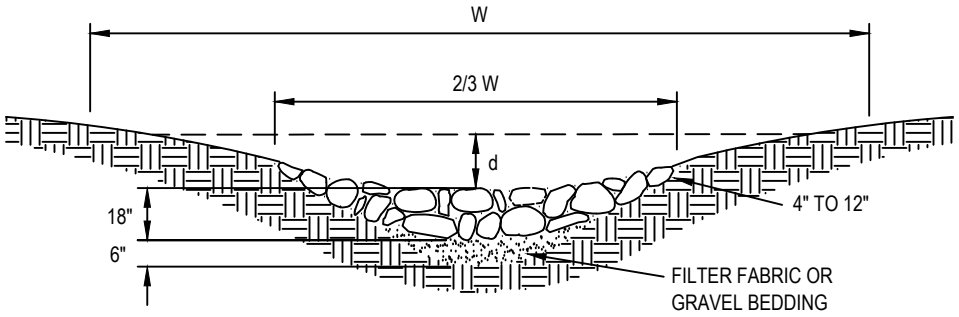
TEMPORARY SLOPE DRAIN

TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS425

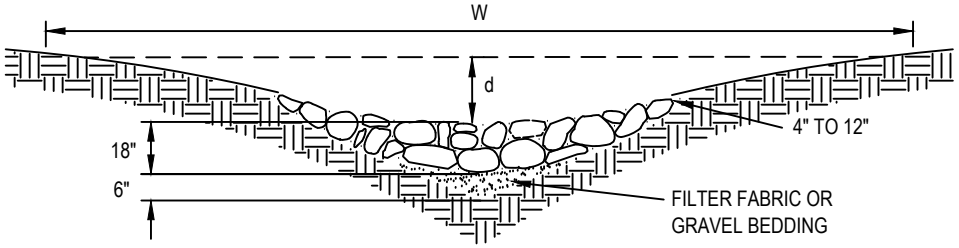
DATE	REVISIONS
7/24/09	
6/11/24	

HOLLY SPRINGS
North Carolina



PARABOLIC-SHAPED WATERWAY WITH STONE CENTER DRAIN

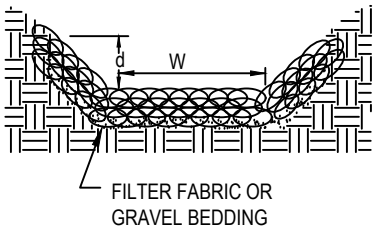
(SHAPED BY BULLDOZER)



V-SHAPED WATERWAY WITH STONE CENTER DRAIN

(SHAPED BY MOTOR GRADER)

TYPICAL RIPRAP CHANNEL



TRAPEZOIDAL

NOTES:

1. TO BE USED WHERE EXCESSIVE STORMWATER VELOCITIES PROHIBIT VEGETATIVE LININGS.
2. SIZE OF STONE MUST BE DETERMINED BY APPROPRIATE DESIGN PROCEDURE.
3. DIMENSIONS FOR d & W VARIES ACCORDING TO DESIGN.
4. RIPRAP DEPTH AS PER DESIGN OR REFER TO TABLE.

TABLE

STONE CLASSIFICATION	RIPRAP DEPTH
A	9"
B	18"
CLASS 1	24"
CLASS 2	24" - 36"

MAINTENANCE:

INSPECT CHANNELS AT REGULAR INTERVALS AS WELL AS AFTER MAJOR RAINS, AND MAKE REPAIRS PROMPTLY. GIVE SPECIAL ATTENTION TO THE OUTLET AND INLET SECTIONS AND OTHER POINTS WHERE CONCENTRATED FLOW ENTERS.

CAREFULLY CHECK STABILITY AT ROAD CROSSINGS, AND LOOK FOR INDICATIONS OF PIPING, SCOUR HOLES, OR BANK FAILURES. MAKE REPAIRS IMMEDIATELY.

MAINTAIN ALL VEGETATION ADJACENT TO THE CHANNEL IN A HEALTHY, VIGOROUS CONDITION TO PROTECT THE AREA FROM EROSION AND SCOUR DURING OUT-OF-BANK FLOW.

DRAWING NOT TO SCALE

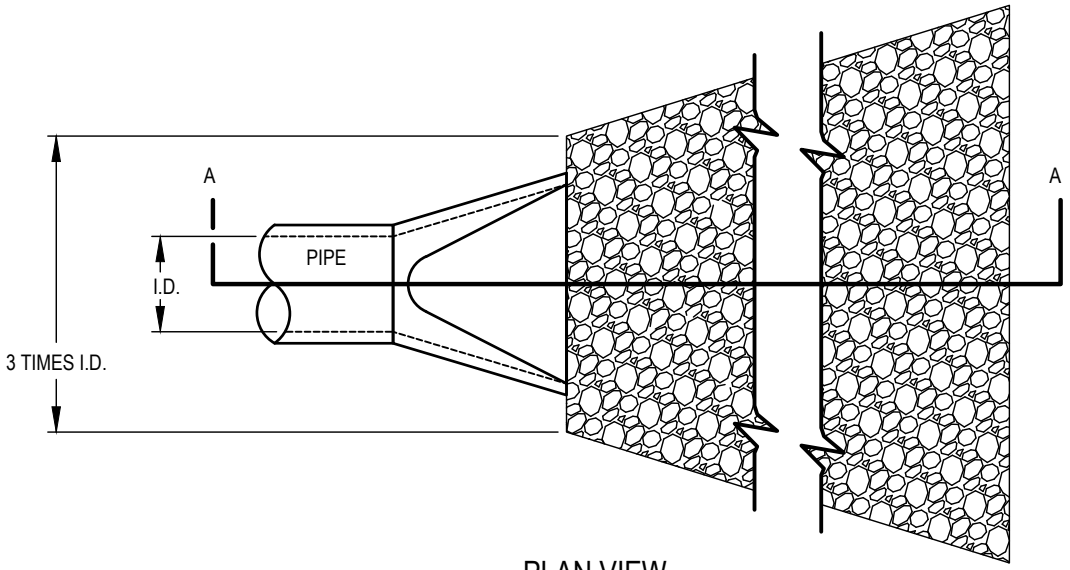
RIPRAP LINED CHANNEL

TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS426

DATE	REVISIONS
7/24/09	
6/11/24	

HOLLY SPRINGS
North Carolina



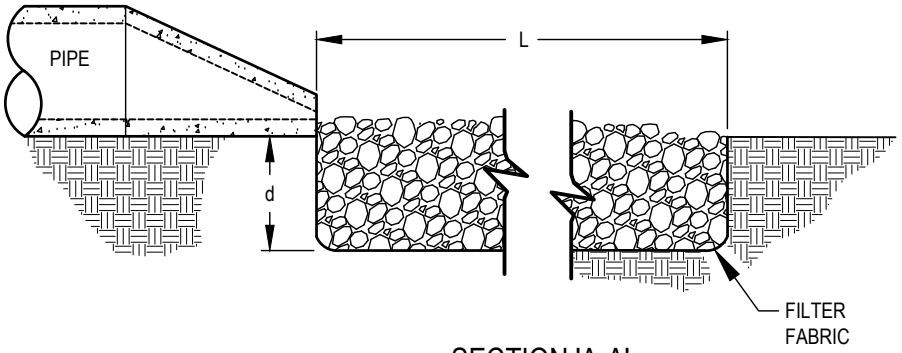
PLAN VIEW

MAINTENANCE:
INSPECT RIPRAP OUTLET STRUCTURES WEEKLY AND AFTER SIGNIFICANT RAIN EVENTS TO SEE IF ANY EROSION AROUND OR BELOW THE RIPRAP HAS TAKEN PLACE, OR IF STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

CLEAN OUT SEDIMENT/REPLACE ONCE INUNDATED WITH SEDIMENT AND NO LONGER FUNCTIONING TO DIFFUSE OR SLOW DOWN FLOW.

NOTES:

1. L = THE LENGTH OF THE RIPRAP APRON.
2. d = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6" (INCHES).
3. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.
4. TOP OF STONE MUST BE BELOW OUTLET ELEVATION TO PREVENT OBSTRUCTION.



SECTION 'A-A'

DRAWING NOT TO SCALE

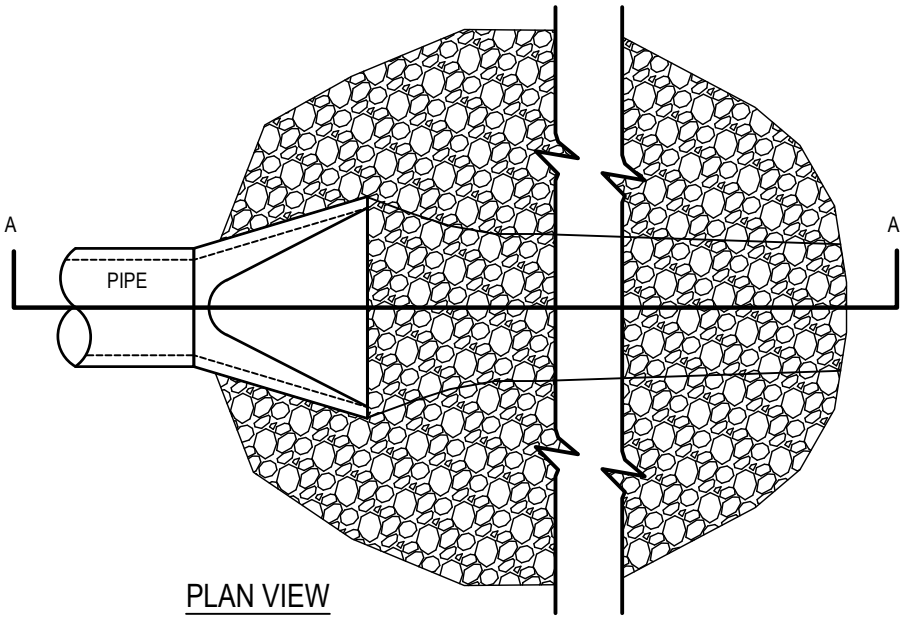
PIPE OUTLET TO FLAT AREA (NO WELL-DEFINED CHANNEL)

TOWN OF HOLLY SPRINGS

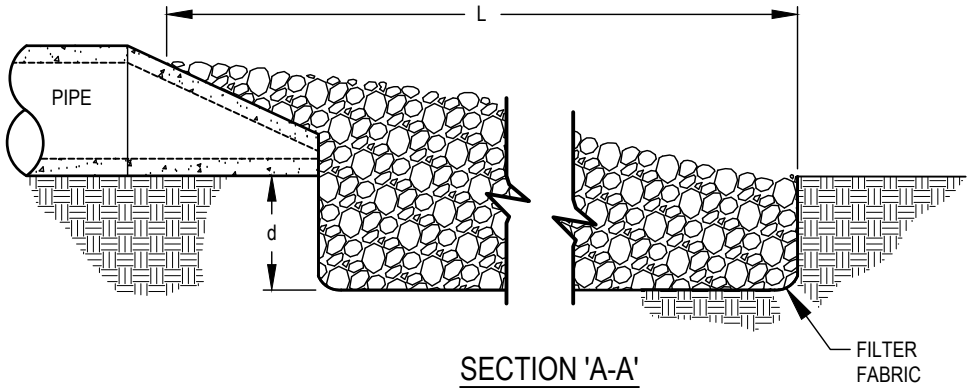
STANDARD DETAIL NUMBER: HS427

DATE	REVISIONS
7/24/09	
6/11/24	

HOLLY SPRINGS
North Carolina



PLAN VIEW



SECTION 'A-A'

MAINTENANCE:
INSPECT RIPRAP OUTLET STRUCTURES WEEKLY AND AFTER SIGNIFICANT RAIN EVENTS TO SEE IF ANY EROSION AROUND OR BELOW THE RIPRAP HAS TAKEN PLACE, OR IF STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

CLEAN OUT SEDIMENT/REPLACE RIPRAP ONCE INUNDATED WITH SEDIMENT AND NO LONGER FUNCTIONING TO DIFFUSE OR SLOW DOWN FLOW.

NOTES:

1. L = THE LENGTH OF THE RIPRAP APRON.
2. d = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6" (INCHES).
3. IN A WELL-DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" (INCHES) ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.
5. TOP OF STONE MUST BE BELOW OUTLET ELEVATION TO PREVENT OBSTRUCTION.

DRAWING NOT TO SCALE

PIPE OUTLET TO WELL-DEFINED CHANNEL

TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS428

DATE	REVISIONS
7/24/09	
6/11/24	

HOLLY SPRINGS
North Carolina

TABLE 4.1
SEEDING EROSION CONTROL SCHEDULE
(MAXIMUM SLOPE 3:1)

DATE**	TYPE	PLANTING RATE
AUGUST 15 – NOVEMBER 1	TALL FESCUE OR HARD FESCUE	300 LBS/ACRE
NOVEMBER 1 – MARCH 1	TALL FESCUE AND ABRUZZI RYE OR ANNUAL RYE	300 LBS/ACRE
MARCH 1 – APRIL 15	TALL FESCUE OR HARD FESCUE	300 LBS/ACRE
MARCH 1 – JULY 15	HULLED COMMON BERMUDA GRASS OR HYBRID BERMUDA GRASS OR CENTIPEDE GRASS OR ZOYSIA GRASS OR ST. AUGUSTINE GRASS	200 LBS/ACRE
APRIL 15 – JUNE 30	WEEPING LOVE GRASS OR BAHIA GRASS	25 LBS/ACRE
JULY 15 – AUGUST 15	TALL FESCUE, AND BROWNTOP MILLET OR SORGHUM–SUDAN HYBRID*	35 LBS/ACRE

*Temporary – Reseed according to optimum season for desired vegetation. Do not allow temporary cover to grow over 12 inches in height before mowing to keep fescue from being shaded out.

**Seeding dates will vary depending on weather conditions (e.g. temperature, rainfall, etc.)

Note on maintenance: refertilize if growth is not fully adequate. Reseed, refertilize and mulch immediately following erosion or other damage.

RIPARIAN AREAS TO BE RESEEDED WITH NATIVE GRASS MIX/ VEGETATION

SEEDING EROSION CONTROL SCHEDULE – TABLE 4.1

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS429

DATE	REVISIONS
9/21/16	

Holly Springs
Discover The Source.

TABLE 4.2
SEEDING EROSION CONTROL SCHEDULE
SLOPES (3:1 AND 2:1 – NOT MOWED)

DATE	TYPE	PLANTING RATE
MARCH 1 – JUNE 1	SERICEA LESPEDEZA (SCARIFIED),	50 LBS/ACRE
	AND	
MARCH 1 – APRIL 15	ADD TALL FESCUE,	120 LBS/ACRE
	OR	
MARCH 1 – JUNE 30	ADD WEEPING LOVEGRASS,	10 LBS/ACRE
	OR	
MARCH 1 – JUNE 30	ADD HULLED COMMON BERMUDAGRASS	25 LBS/ACRE
JUNE 1 – SEPTEMBER 1	TALL FESCUE, AND	120 LBS/ACRE
	ADD BROWNTOP MILLET,*	25 LBS/ACRE
	OR ADD SORGHUM–SUDAN HYBRIDS*	30 LBS/ACRE
SEPTEMBER 1 – MARCH 1	SERICEA LESPEDEZA (UNHULLED–UNSCARIFIED),	70 LBS/ACRE
	AND ADD TALL FESCUE,	120 LBS/ACRE
	AND ADD ABRUZZI RYE AND ANNUAL RYE	25 LBS/ACRE

*For temporary seeding purposes.

Note on maintenance: refertilize if growth is not fully adequate. Reseed, refertilize and mulch immediately following erosion or other damage.

RIPARIAN AREAS TO BE RESEEDED WITH NATIVE SEED MIX.

DRAWING NOT TO SCALE

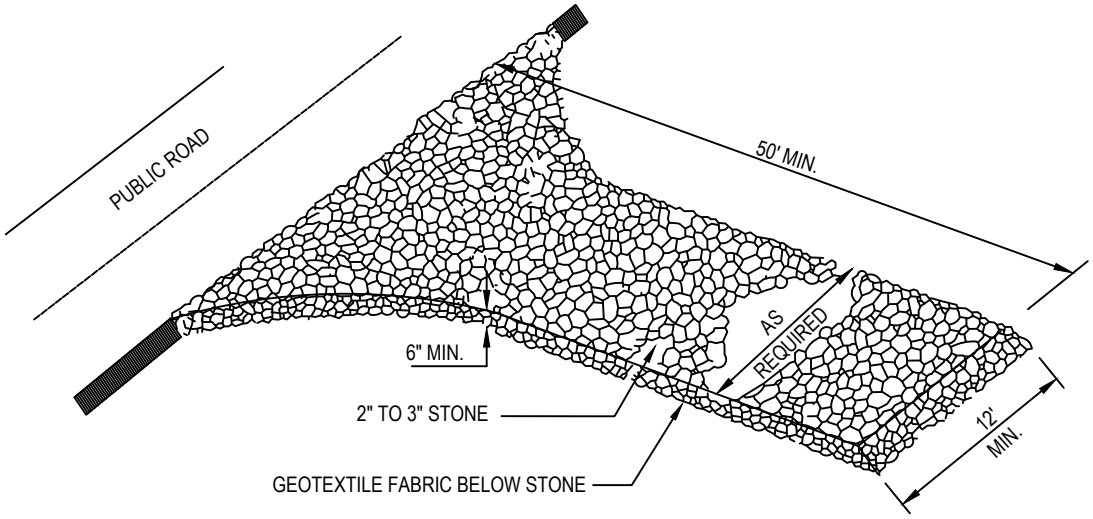
SEEDING EROSION CONTROL SCHEDULE – TABLE 4.2

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS430

DATE	REVISIONS
9/21/16	

Holly Springs
Discover The Source.



APPLICABLE AT ALL POINTS OF INGRESS & EGRESS UNTIL SITE IS STABILIZED. FREQUENT CHECKS OF THE DEVICE AND TIMELY MAINTENANCE MUST BE PROVIDED.

NOTES:

1. TURNING RADIUS SUFFICIENT TO ACCOMMODATE LARGER TRUCKS IS TO BE PROVIDED.
2. ENTRANCE(S) SHOULD BE LOCATED TO PROVIDE FOR MAXIMUM UTILIZATION BY ALL CONSTRUCTION TRUCKS.
3. MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF TRAFFIC ONTO STREETS. PERIODIC TOP DRESSING WITH STONE WILL BE NECESSARY, KEEP SOME ON HAND.
4. ANY MATERIAL WHICH STILL MAKES IT ONTO THE ROAD MUST BE CLEANED IMMEDIATELY.

DRAWING NOT TO SCALE

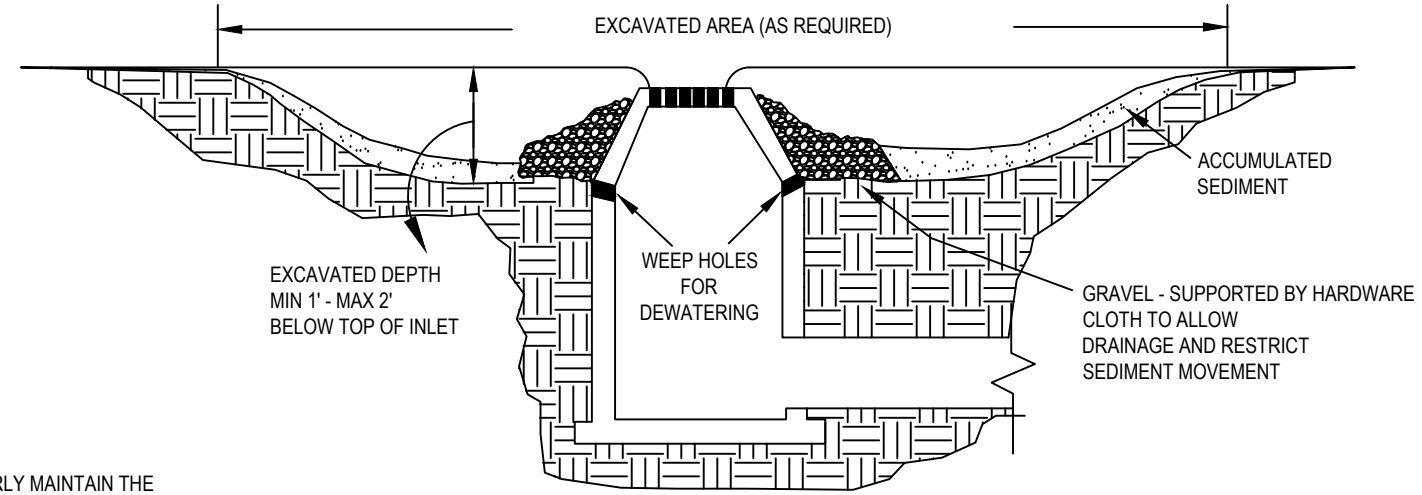
CONSTRUCTION ENTRANCE

TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS432

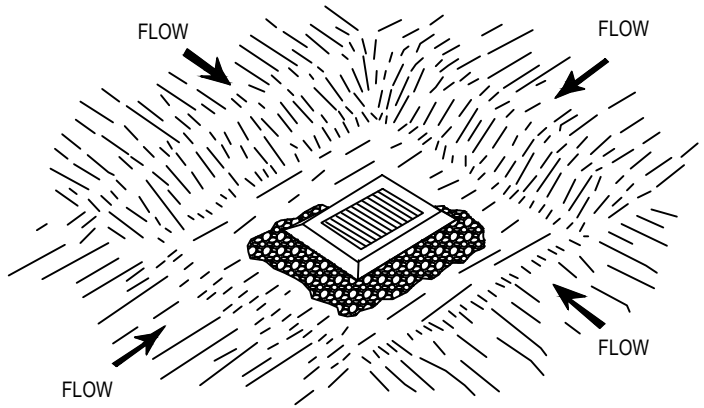
DATE	REVISIONS
8/30/19	
6/11/24	

HOLLY SPRINGS
North Carolina



MAINTENANCE:
INSPECT, CLEAN, AND PROPERLY MAINTAIN THE EXCAVATED BASIN AFTER EVERY SIGNIFICANT RAIN EVENT UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED.

REMOVE SEDIMENT WHEN THE VOLUME OF THE BASIN HAS BEEN REDUCED BY ONE-HALF.



DRAWING NOT TO SCALE

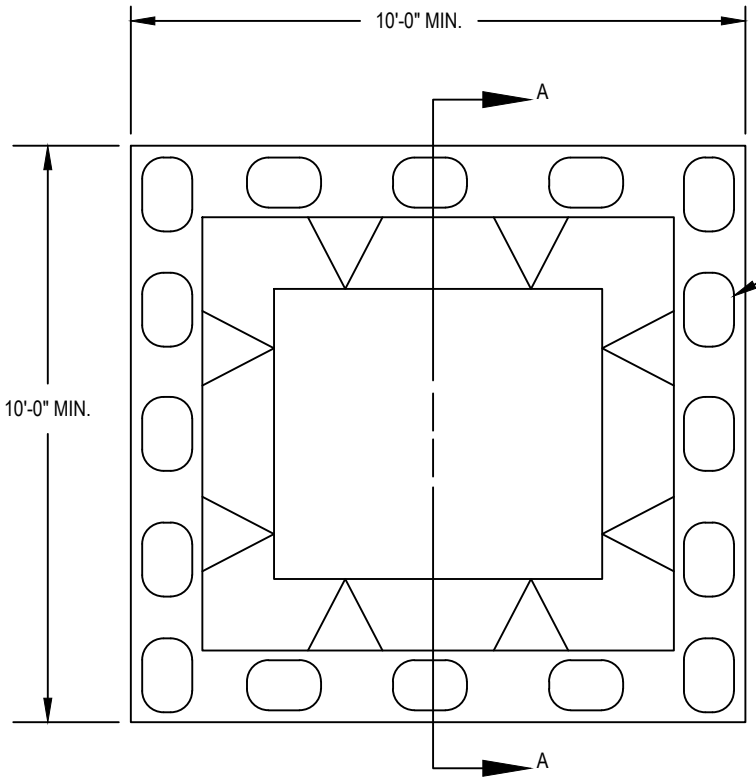
EXCAVATED DROP INLET PROTECTION

TOWN OF HOLLY SPRINGS

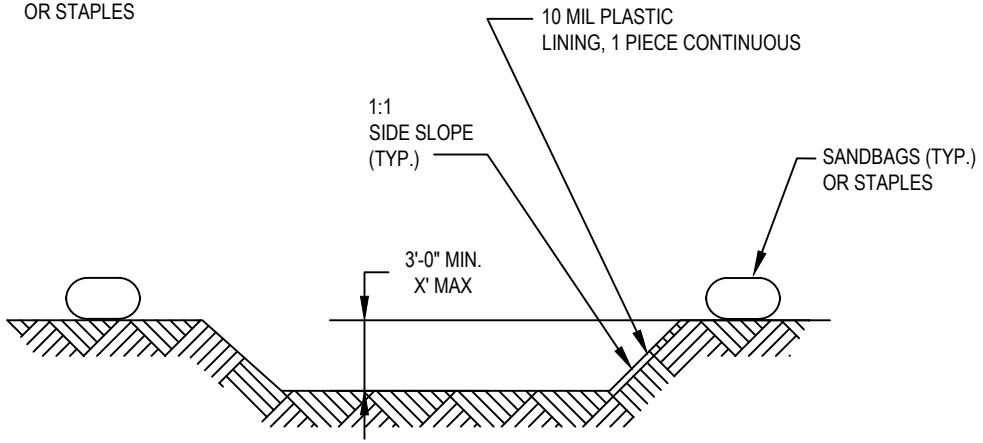
STANDARD DETAIL NUMBER: HS434

DATE	REVISIONS
7/24/09	
6/11/24	

HOLLY SPRINGS
North Carolina

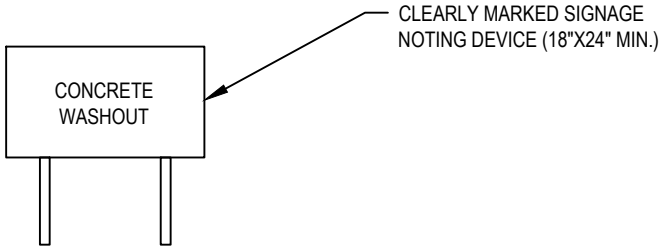


PLAN



SECTION A-A

*THE CONCRETE WASHOUT SHOULD BE LOCATED A MINIMUM OF 50' FROM STORM DRAIN INLETS, BUFFERS, SEDIMENT BASINS OR WATERCOURSES



NOTES:

1. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY.
2. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.
3. SELECT LOCATION SO CONCRETE EFFLUENT DOES NOT FLOW INTO ROADS.
4. MODIFIED CONSTRUCTION ENTRANCE MUST BE INSTALLED BETWEEN ROAD AND WASHOUT.

DRAWING NOT TO SCALE

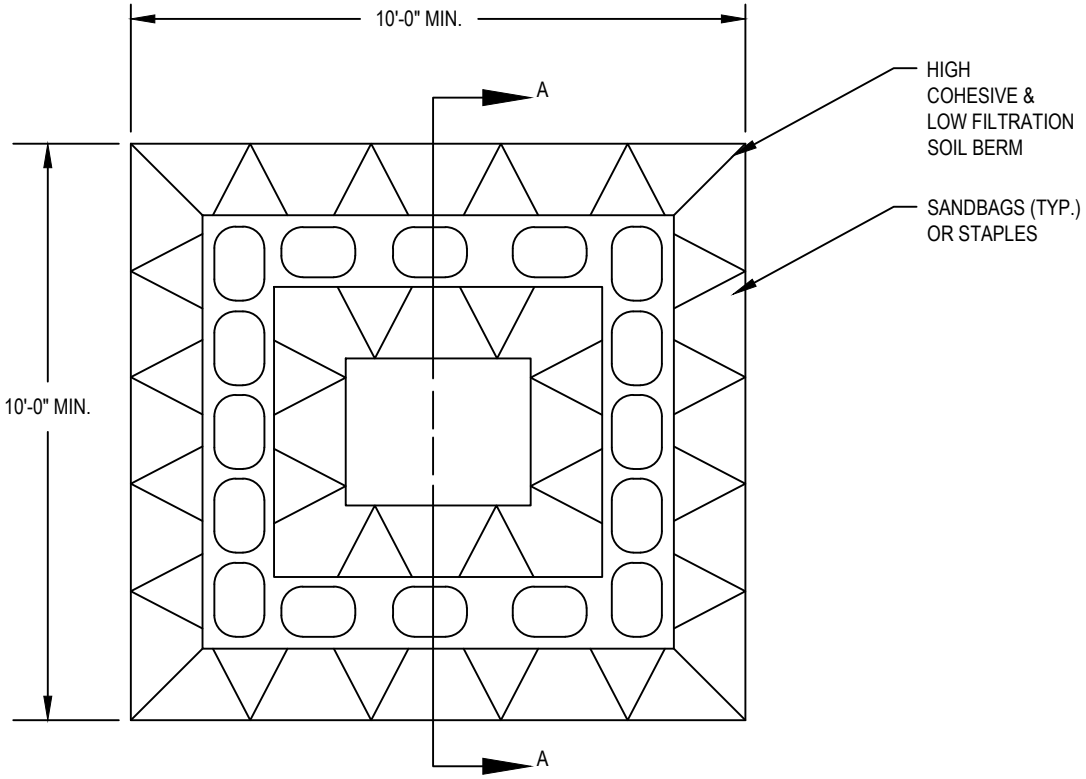
BELOW GRADE CONCRETE WASHOUT STRUCTURE

TOWN OF HOLLY SPRINGS

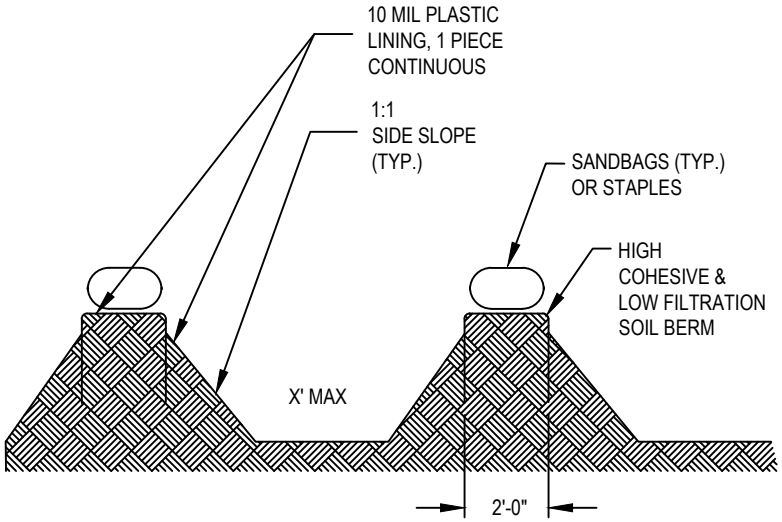
STANDARD DETAIL NUMBER: HS435

DATE	REVISIONS
4/15/19	
6/11/24	

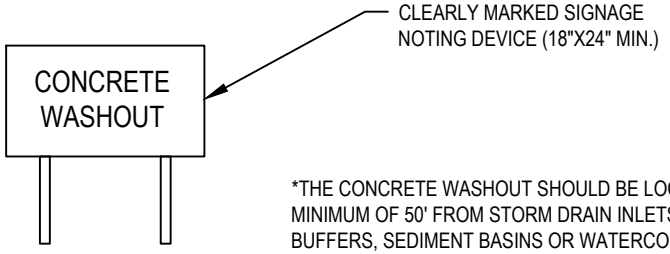
HOLLY SPRINGS
North Carolina



PLAN



SECTION A-A



*THE CONCRETE WASHOUT SHOULD BE LOCATED A MINIMUM OF 50' FROM STORM DRAIN INLETS, BUFFERS, SEDIMENT BASINS OR WATERCOURSES.

NOTES:

1. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
2. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.
3. SELECT LOCATION SO CONCRETE EFFLUENT DOES NOT FLOW INTO ROADS.
4. MODIFIED CONSTRUCTION ENTRANCE MUST BE INSTALLED BETWEEN ROAD AND WASHOUT.

DRAWING NOT TO SCALE

ABOVE GRADE CONCRETE WASHOUT STRUCTURE

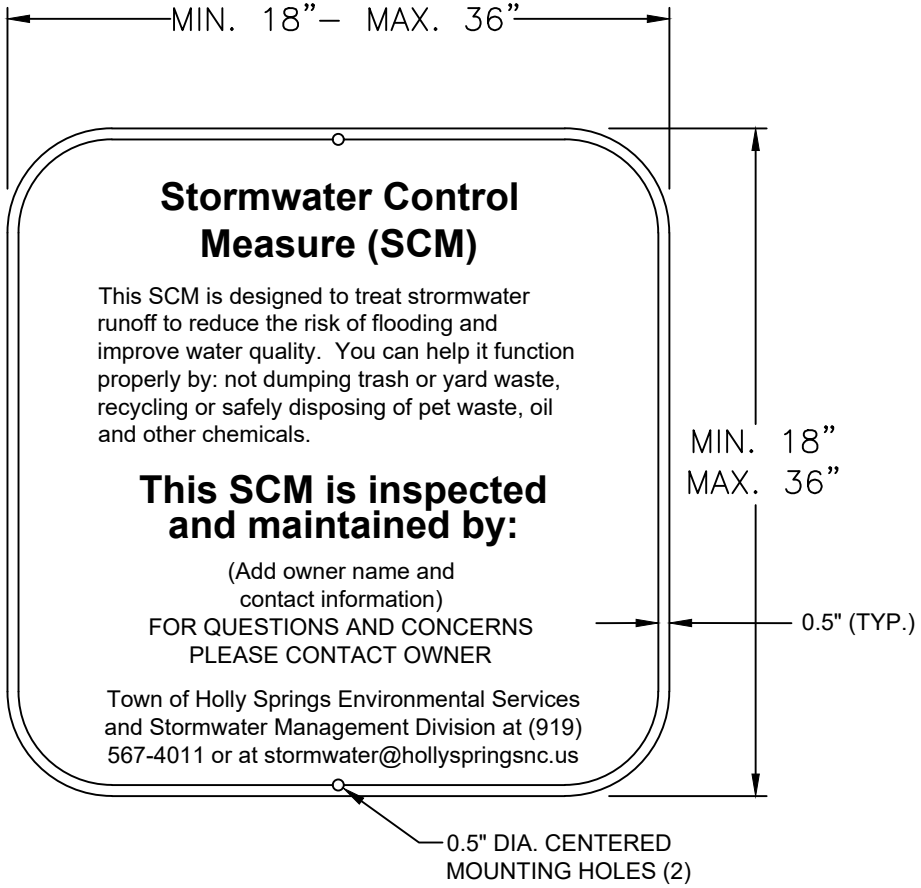
TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS436

DATE	REVISIONS
4/6/17	
6/11/24	

HOLLY SPRINGS
North Carolina

MINIMUM REQUIREMENTS FOR EDUCATIONAL SIGNAGE
FOR USE IN CONJUNCTION WITH STRUCTURAL
STORMWATER CONTROL MEASURES PRACTICES



MOUNTING:
1. SIGN SHOULD NOT BE OVER 8 FT TALL AT HIGHEST POINT.
2. SIGN SHOULD BE MOUNTED TO A U–CHANNEL POST (ADD SPECS) OR AFFIXED TO FENCE.

NOTE:
1. DECORATIVE SCM EDUCATIONAL SIGNAGE WILL BE REVIEWED ON A CASE BY CASE BASIS.
2. MATERIAL TO BE ALUMINUM, LETTERS TO BE BLACK ON A WHITE BACKGROUND.
3. SIGN SIZE AND MATERIAL MAY BE MODIFIED FOR THE SPECIFIC NEEDS OF THE SCM, BUT SHOULD BE NO SMALLER THAN 18" X 18" AND NO LARGER THAN 36" X 36".

DRAWING NOT TO SCALE

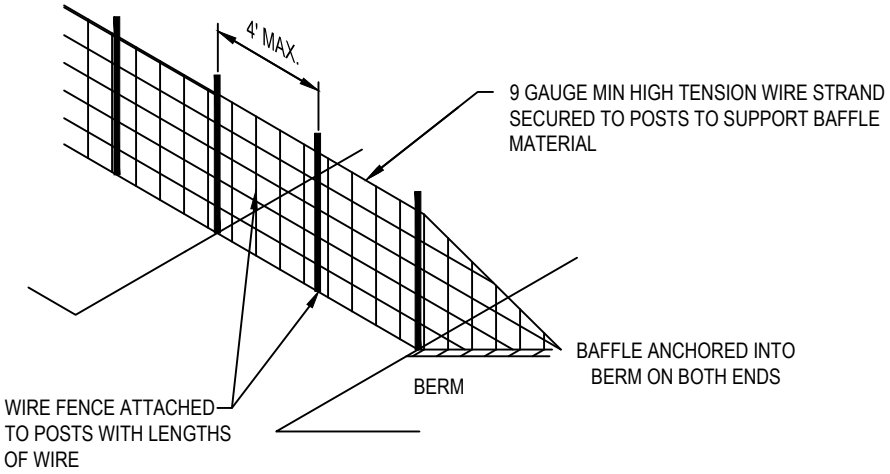
SCM Educational Signage	*STANDARD DETAIL NUMBER:* **HS437**	Holly Springs Discover The Source.
TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT	*DATE* 4/15/19 / *REVISIONS*	

MAINTENANCE NOTES:

INSPECT BAFFLES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.

BE SURE TO MAINTAIN ACCESS TO THE BAFFLES. SHOULD THE FABRIC OF A BAFFLE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.

REMOVE SEDIMENT DEPOSITS WHEN IT REACHES HALF FULL, TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE BAFFLES. TAKE CARE TO AVOID DAMAGING THE BAFFLES DURING CLEANOUT, AND REPLACE IF DAMAGED DURING CLEANOUT OPERATIONS. SEDIMENT DEPTH SHOULD NEVER EXCEED HALF THE DESIGNED STORAGE DEPTH.



NOTES:
1. DRIVE STEEL FENCE POST AT LEAST 18" INTO SOLID GROUND.

2. WOOD POSTS ARE NOT ACCEPTABLE.

3. USE STAPLES 1' APART TO ATTACH FABRIC TO BOTTOM OF BASIN.

4. 4' MAX BETWEEN POSTS.

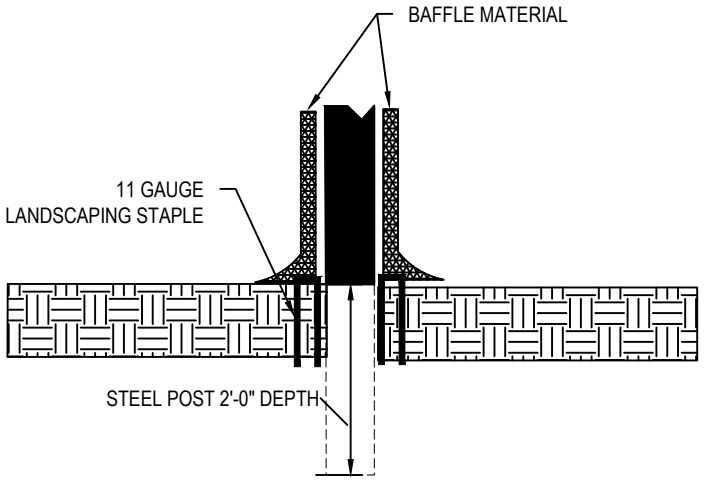
5. CLEAN OUT BASIN WHEN 1/2 FULL AND RESTORE TO ORIGINAL DIMENSIONS.

6. 700-900 GRAMS PER SQ. METER COIR FABRIC AS POROUS BAFFLE.

7. BAFFLES SHALL BE INSTALLED PERPENDICULAR TO FLOW.

8. INSTALL THREE COIR BAFFLES IN BASINS BETWEEN THE INLETS AND THE SKIMMER/OUTLET TO CREATE A SPACING OF 1/4 OF THE BASIN LENGTH BETWEEN BAFFLES.

9. BAFFLES SHOULD BE THE HEIGHT OF THE EMERGENCY SPILLWAY OR TOP OF THE RISER ELEVATION.



BAFFLE MATERIAL SHOULD BE SECURED TO THE BOTTOM AND SIDES OF BASIN USING 12" LANDSCAPE STAPLES

DRAWING NOT TO SCALE

COIR FIBER BAFFLE

TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS438

DATE	REVISIONS
4/16/19	
6/11/24	

HOLLY SPRINGS
North Carolina