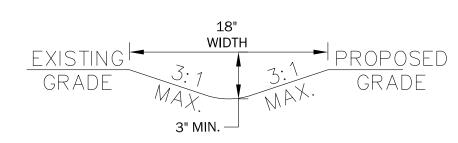


RECOMMENDED MAINTENANCE SCHEDULE -EACH SILTSACK SHOULD BE INSPECTED WEEKLY DURING CONSTRUCTION AND AFTER EVERY MAJOR

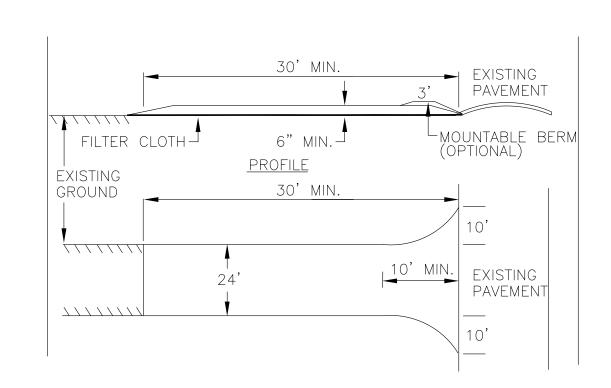
-THE RESTRAINT CORD SHOULD BE VISIBLE AT ALL TIMES. IF CORD IS COVERED WITH SEDIMENT, THE SILTSACK SHOULD BE EMPTIED.

SILTSACK DETAIL NOT TO SCALE



PROPOSED PERIMETER SWALE CROSS-SECTION

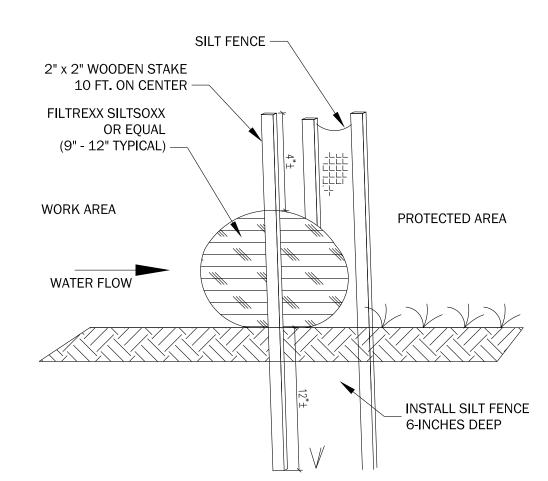
NOT TO SCALE



<u>Plan view</u>

- 1. STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE 2 TO 4 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
- 2. THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 50 FEET, EXCEPT FOR A SINGLE RESIDENTIAL LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
- 3. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES.
- 4. THE WIDTH OF THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE ENTRANCE WHERE INGRESS OR EGRESS OCCURS OR 10 FEET, WHICH EVER IS GREATER.
- 5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE. FILTER CLOTH IS NOT REQUIRED FOR A SINGLE FAMILY RESIDENCE LOT.
- 6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
- 7. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS—OF—WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.

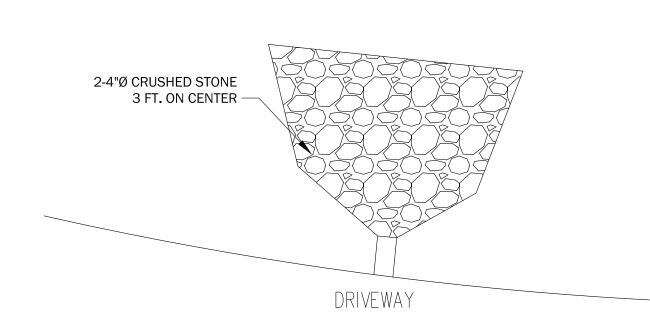
STABILIZED CONSTRUCTION ENTRANCE

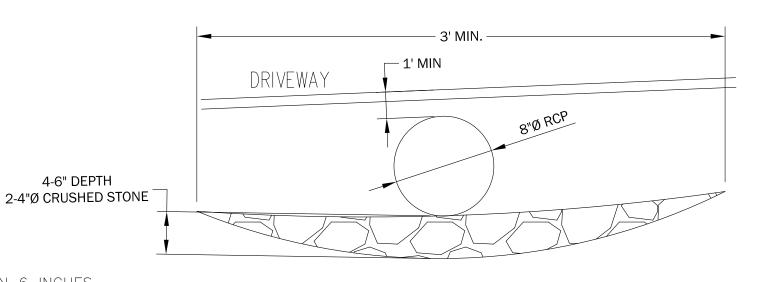


## NOTES:

- 1. ALL MATERIALS TO MEET INSTALLER SPECIFICATIONS.
- 2. COMPOST/SOIL/ROCK/SEED FILL TO MEET APPLICATION REQUIREMENTS. 3. LARGER SILT SOXX OR EQUAL TO BE PROVIDED FOR STEEP SLOPES AND
- **HEAVY FLOW AREAS.** 4. SILTSOXX OR EQUAL TO BE REMOVED, COMPOSTED, OR DISPERSED AS
- PER CONSERVATION COMMISSION DIRECTION. 5. SILT FENCE TO BE INSPECTED DAILY AND REPAIRED AS NECESSARY.
- 6. SEDIMENT TO BE REMOVED WHEN ACCUMULATED LEVEL REACHS 1/3 THE HEIGHT OF THE BMP, OR 6 INCHES, WHICHEVER IS LESS.

SILT FENCE(W/STRAW WATTLE AS NECESSARY) NOT TO SCALE



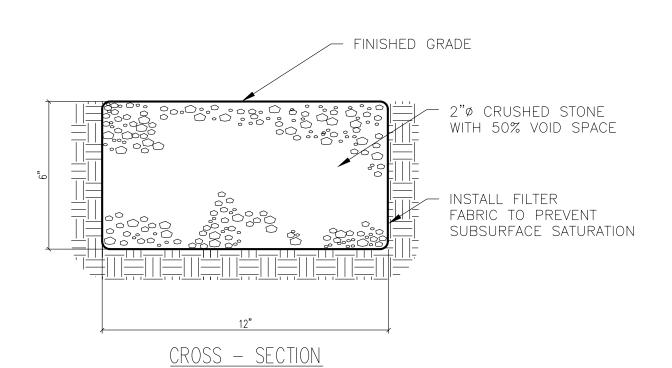


4-6" DEPTH

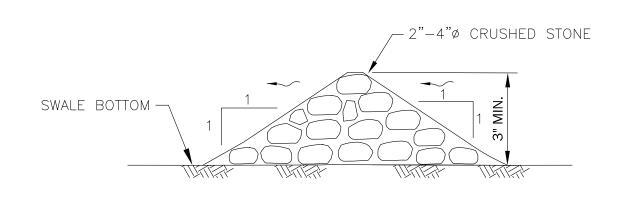
GRAVEL APRON NOT TO SCALE

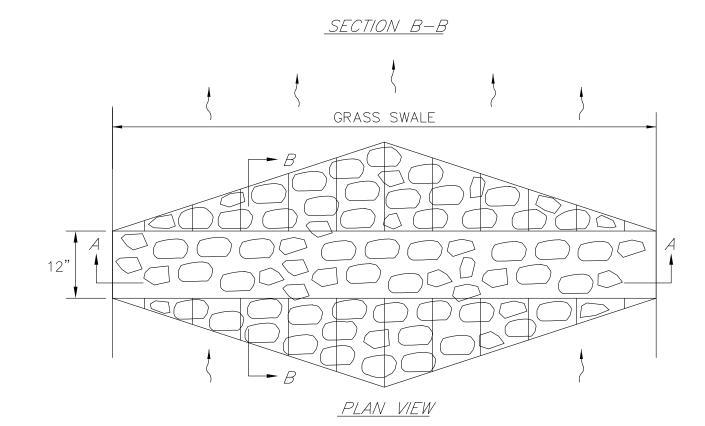
## EROSION CONTROL NOTE:

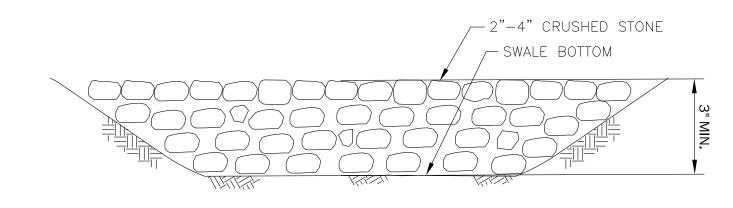
AT A MINIMUM, ALL EROSION CONTROL MEASURES SHALL BE INSPECTED IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION AGENCY'S 2012 CONSTRUCTION GENERAL PERMIT. SPECIFICALLY, SITE INSPECTIONS SHALL BE PERFORMED ONCE EVERY 7 DAYS OR ONCE EVERY 14 DAYS AND WITHIN 24 HOURS OF A STORM EVENT OF 0.25 INCHES OR GREATER, AT A MINIMUM.



NOT TO SCALE







SECTION A-A RIPRAP CHECK DAM NOT TO SCALE

TYPICAL GRAVEL CHECK DAM NOT TO SCALE

- IF THE LAND SHOWN IS SOLD OR TRANSFERRED BEFORE WORK UNDER THE PERMIT IS COMPLETE, THE PERMIT 'S VOID UNTIL SUCH TIME THAT THE NEW OWNER OF RECORD HAS FILED A STATEMENT WITH THE BOARD THAT THE CONDITIONS UNDER WHICH THE PERMIT WAS ISSUED HAVE NOT BEEN ALTERED. IN ALL CASES, ACTUAL CONSTRUCTION MAY NOT COMMENCE UNTIL THE INSTALLER HAS AN APPROVED DWCP AND PAID THE PERMIT FEE.

## GENERAL NOTES

- 1. Elevations refer to USGS based on GPS measurements. (See Bench Mark located on plot plan.)
- Finish grading to be done in accordance with plot plan.
- Tight joint piping to consist of Polyvinyl Chloride Pipe
- (P.V.C.), Schedule 40, unless otherwise noted. 4. In cases where ledge or boulders are present, Beals
- Associates, Inc. will not be responsible for assuring the amount of rock to be encountered.
- 5. Any alterations to the design of this plan must be approved in writing by Beals Associates, Inc. Heavy machinery shall not be permitted to pass over the
- soil absorption system.
- 7. No permanent structure may be constructed over the 100% reserve leaching area.
- 8. Construction within 100 feet of a wetland resource area as defined in the Massachusetts Wetlands Regulations (310 CMR 10.00) shall not be performed until an Order of Conditions or Negative determination of Applicability has been obtained from the local Conservation Commission.
- Property lines shall be determined prior to the construction or installation of any of the proposed improvements shown hereon.
- 10. Beals Associates, Inc. recommends that the contractor
- contact DIG SAFE at 1-888-DIG-SAFE prior to excavation. 11. All surface water to be diverted away from the dwelling.
- 12. A 1/2% min. grade shall be maintained for a distance of 10 feet away from the house.
- 13. For detail on easement areas please refer to the Lot 4 deed and the Hickory Beech Definitive Subdivision Easement and Layout sheets.

STORMWATER MANAGEMENT PLAN FOR A 4-BEDROOM DWELLING AT LOT 4 HICKORY LANE TOPSFIELD, MA ASSESSORS MAP 50-20 BK: 32331 PG: 164

> Prepared for Owner of Record: PATCH DEVELOPMENT, LLC 8 CHRISTIAN WAY ANDOVER, MASSACHUSETTS

## Prepared by:

BEALS · ASSOCIATES INC.

2 THIRTEENTH STREET CHARLESTOWN, MA 02129

617 242-1120 617 242-1190

SCALE: JULY 20, 2015 AS SHOWN DESIGNED BY: TRG CHECKED BY: TPM DRAWN BY: TRG DATE: **REVISIONS:** PROJECT NUMBER: SHEET NUMBER: C - 407.103-3