

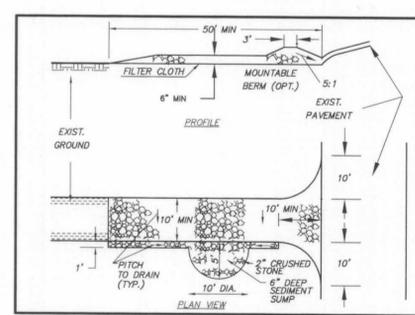
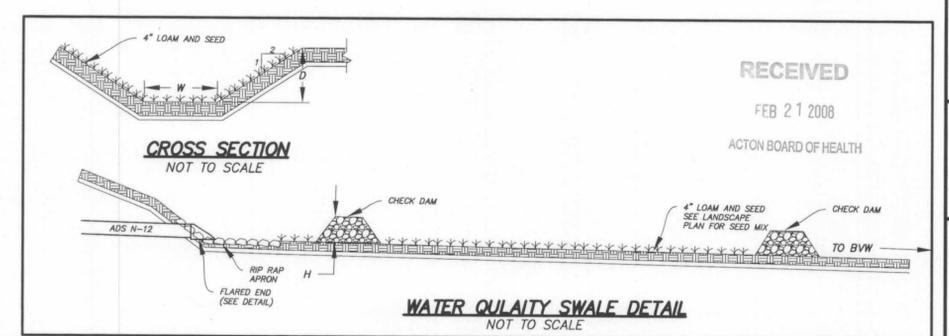
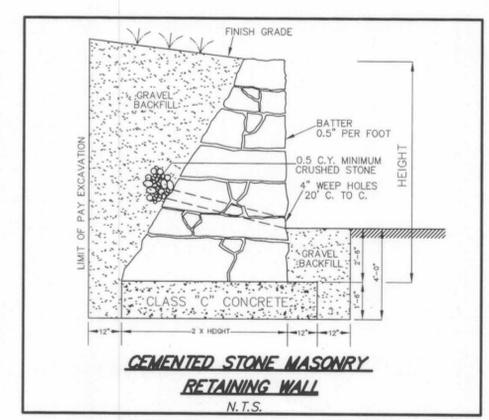
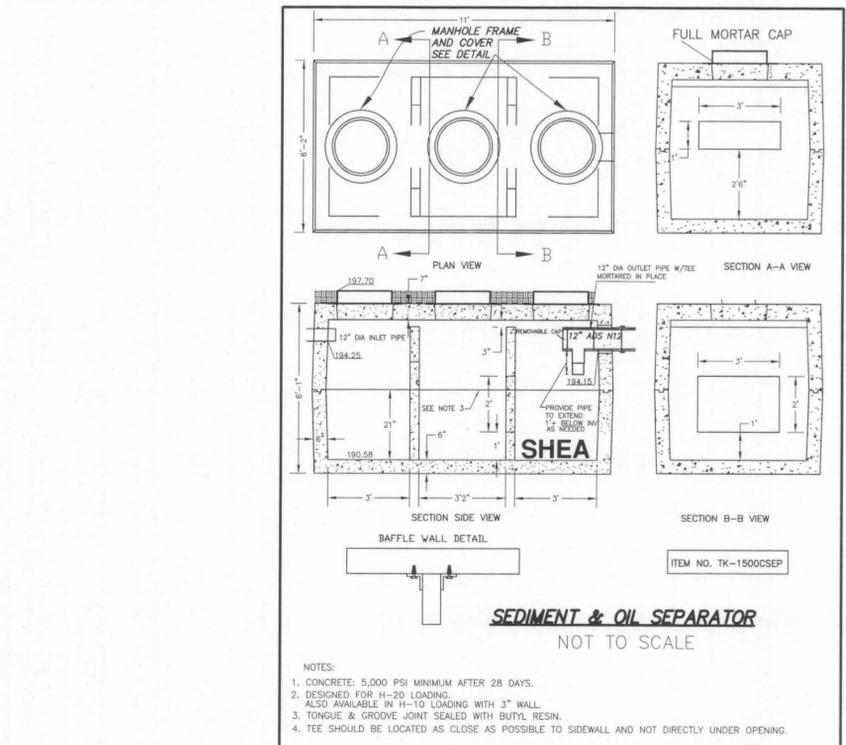
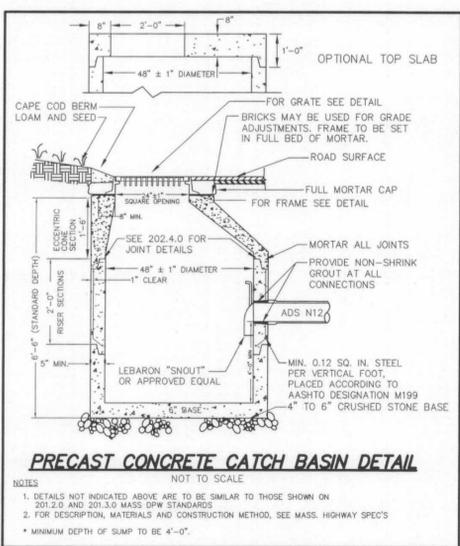
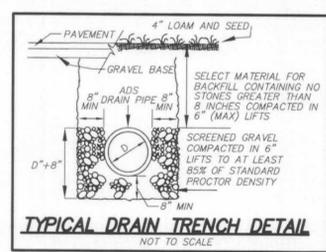
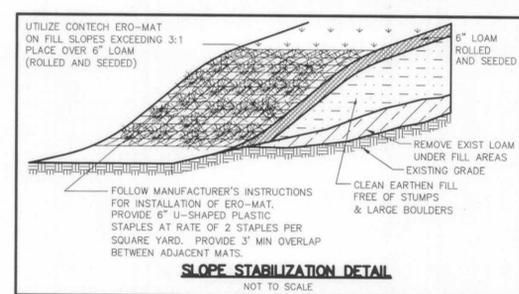
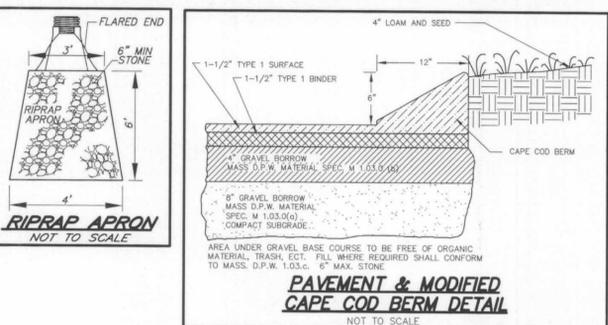
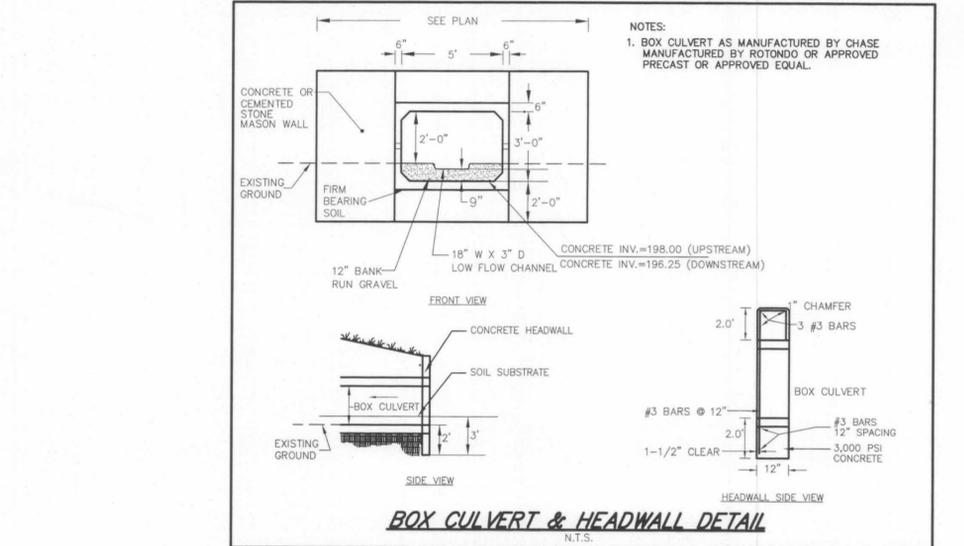
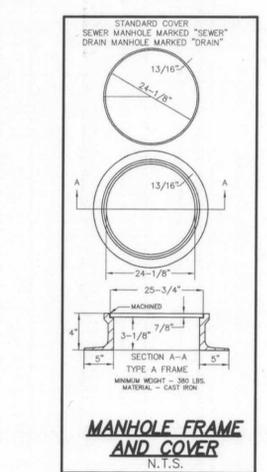
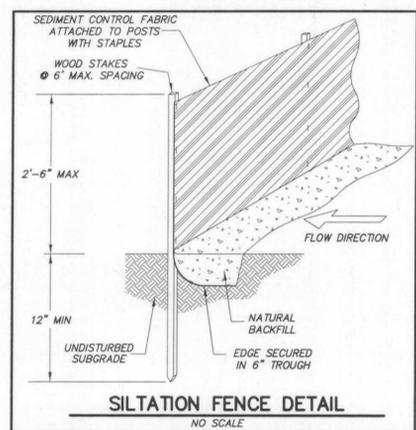
DRAINAGE SYSTEM OPERATION AND MAINTENANCE PLAN

- BMP OWNER: FAULKNER MILL REALTY, LLC
25 WESTFORD LANE
ACTON, MA 01720
OR ALL FUTURE OWNERS OF PROPERTY
- PARTIES RESPONSIBLE FOR MAINTENANCE: SAME AS ABOVE
- SCHEDULE FOR INSPECTION AND MAINTENANCE:

STREET SWEEPING:
*THE PAVEMENT SHALL BE SWEEPED OF ALL SEDIMENT ONCE IN THE SPRING AND ONCE ON THE FALL.
*DEEP SUMP AND HOODED CATCH BASIN / SEDIMENT AND OIL SEPARATOR:
*THE DEEP SUMPS FOR THE CATCH BASINS SHALL BE INSPECTED AND CLEANED ANNUALLY. THE CATCH BASINS HAVE A FOUR FOOT DEEP SUMP AND THE WATER LEVEL IS MAINTAINED BY THE DISCHARGE PIPE AT FOUR FEET. THE DISCHARGE PIPE IS HIDDEN FROM VIEW BY A HOODED OUTLET.
- THE DEPTH OF THE SEDIMENT IN THE BASIN SHALL NOT EXCEED A DEPTH OF 18 INCHES AS DETERMINED BY PROBING WITH A STICK. IF THE STICK HITS THE BOTTOM WITHIN 30 INCHES OF THE WATER LEVEL, MORE THAN 18 INCHES OF SEDIMENT HAS ACCUMULATED AND MUST BE REMOVED. LICENSED PERSONS SHOULD REMOVE AND DISPOSE OF THE CONTENTS OF THE SUMP IN ACCORDANCE WITH APPLICABLE REGULATIONS.
*THE DEEP SUMP FOR THE SEDIMENT AND OIL SEPARATOR SHALL BE INSPECTED AND CLEANED ANNUALLY. THE SEDIMENT AND OIL SEPARATOR HAS A 43 INCH DEEP SUMP AND THE WATER LEVEL IS MAINTAINED BY THE DISCHARGE PIPE AT 43 INCHES.
- THE DEPTH OF SEDIMENT SHALL BE OBSERVED AT THE MANHOLE. THE DEPTH OF THE SEDIMENT IN THE STRUCTURE SHALL NOT EXCEED A DEPTH OF 18 INCHES AS DETERMINED BY PROBING WITH A STICK. IF THE STICK HITS THE BOTTOM WITHIN 25 INCHES OF THE WATER LEVEL, MORE THAN 18 INCHES OF SEDIMENT HAS ACCUMULATED AND MUST BE REMOVED. ALL THREE COMPARTMENTS OF THE STRUCTURE SHALL BE CLEANED. LICENSED PERSONS SHOULD REMOVE AND DISPOSE OF THE CONTENTS OF THE SUMP IN ACCORDANCE WITH APPLICABLE REGULATIONS.

INFILTRATION BEDS (#1 & #2)
*THE INFILTRATION BEDS CLEANOUTS SHALL BE OPENED AND INSPECTED ANNUALLY. IF THE WATER LEVEL IS LESS THAN 20 INCHES FROM THE TOP OF CLEANOUT "A" OF INFILTRATION BED #1 OR LESS THAN 44 INCHES FROM TOP OF CLEANOUT "B" OF INFILTRATION BED #2, THE PIPES SHALL BE FLUSHED WITH A PRESSURE HOSE. IF AFTER 24 HOURS THE WATER LEVEL HAS NOT DROPPED, THE INFILTRATION BED MAY HAVE TO BE REPLACED. (NOTE THE RIM ELVATION OF CLEANOUT "A" MUST BE CONFIRMED TO BE 200.2 AND CLEANOUT "B" MUST BE CONFIRMED TO BE 202.2. THE DEPTH TO WATER WILL VARY OTHERWISE.) THIS INSPECTION SHOULD NOT BE DONE WITHIN 72 HOURS OF A RAIN EVENT.

WATER QUALITY SWALES:
*WATER QUALITY SWALES SHOULD BE INSPECTED AT LEAST SEMI-ANNUALLY, AND MAINTENANCE AND REPAIRS MADE AS NECESSARY. ADDITIONAL INSPECTIONS SHOULD BE SCHEDULED DURING FIRST FEW MONTHS TO MAKE SURE THE VEGETATION BECOMES ADEQUATELY ESTABLISHED. REPAIRS AND RESEEDING SHOULD BE DONE AS REQUIRED.
*SWALES SHOULD BE MOWED AT LEAST ONCE PER YEAR. GRASS CLIPPINGS SHOULD BE REMOVED. THE GRASS MUST NOT BE CUT TOO OFTEN OR SHORTER THAN FOUR INCHES, IN ORDER TO MAINTAIN THE EFFECTIVENESS OF THE SWALE
*SEDIMENT AND DEBRIS SHOULD BE REMOVED MANUALLY, AT LEAST ONCE PER YEAR, BEFORE THE VEGETATION IS ADVERSELY IMPACTED.
CARE SHOULD BE TAKEN TO PROTECT WATER QUALITY SWALES FROM SNOW REMOVAL AND DISPOSAL PRACTICES AND OFF STREET PARKING.



CONSTRUCTION SPECIFICATIONS

- THE ENTRANCE OF THE PROPOSED ROAD SHALL INITIALLY HAVE 6" OF 2" CRUSHED STONE LAID DOWN AS A TRAFFIC SEDIMENT CONTROL SURFACE AS SHOWN IN THE STABILIZED CONSTRUCTION ENTRANCE DETAIL. THIS STONE PACK SHALL BE PLACED OVER THE ROADWAY FOR A MINIMUM DISTANCE OF 50 FEET FROM THE EDGE OF PAVEMENT AND SHALL BE REMOVED AND REPLACED WITH ROADWAY GRAVEL PRIOR TO THE PLACEMENT OF PAVEMENT.
- STONE SIZE - USE 2" CRUSHED STONE.
- WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS OF INGRESS OR EGRESS.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO THE PLACEMENT OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED NEAR CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAYS. WHEN WASHING IS DONE IT SHALL BE DONE ON STABILIZED ENTRANCE WITH STONE AND WHICH DRAINS INTO THE SEDIMENT SUMP AS SHOWN.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

4 HIGH STREET
ACTON, MASS.

RECEIVED
FEB 21 2008
ACTON BOARD OF HEALTH

DETAIL SHEET 1
FOR: FAULKNER MILL REALTY, LLC
SCALE: AS SHOWN DATE: APRIL 4, 2007
REVISED: OCTOBER 18, 2007

STAMSKI AND McNARY, INC.
80 HARRIS STREET - ACTON, MASS.
ENGINEERING - PLANNING - SURVEYING

SM-3296A FILE:3296ActonE.DWG SHEET 4 OF 5

JOSEPH MARCH CIVIL #40472
WILLIAM F. McNARY No. 30753