

project title:

FALCON RIDGE SUBDIVISION

prepared for applicant:

TAYLOR LANE LLC
357 NORTH STREET
GEORGETOWN, MA 01833

parcel identification:

map: 9 & 12

block: N.A.

parcel: N.A.

lot: 2, 3, 4, & 23

revisions

no.	date	description
0	04.16.20	ISSUED FOR REVIEW
1	06.23.20	ISSUED FOR REVIEW

plan submission

NOTICE OF INTENT

date: 04.16.2020

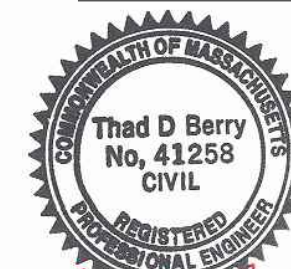
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job no: 2017-22

DEP no: 063-0692 O.R.A.D.

DEP no: 063-0693 N.O.I. -O.S.R.D.

DEP no: 063-0699 N.O.I.



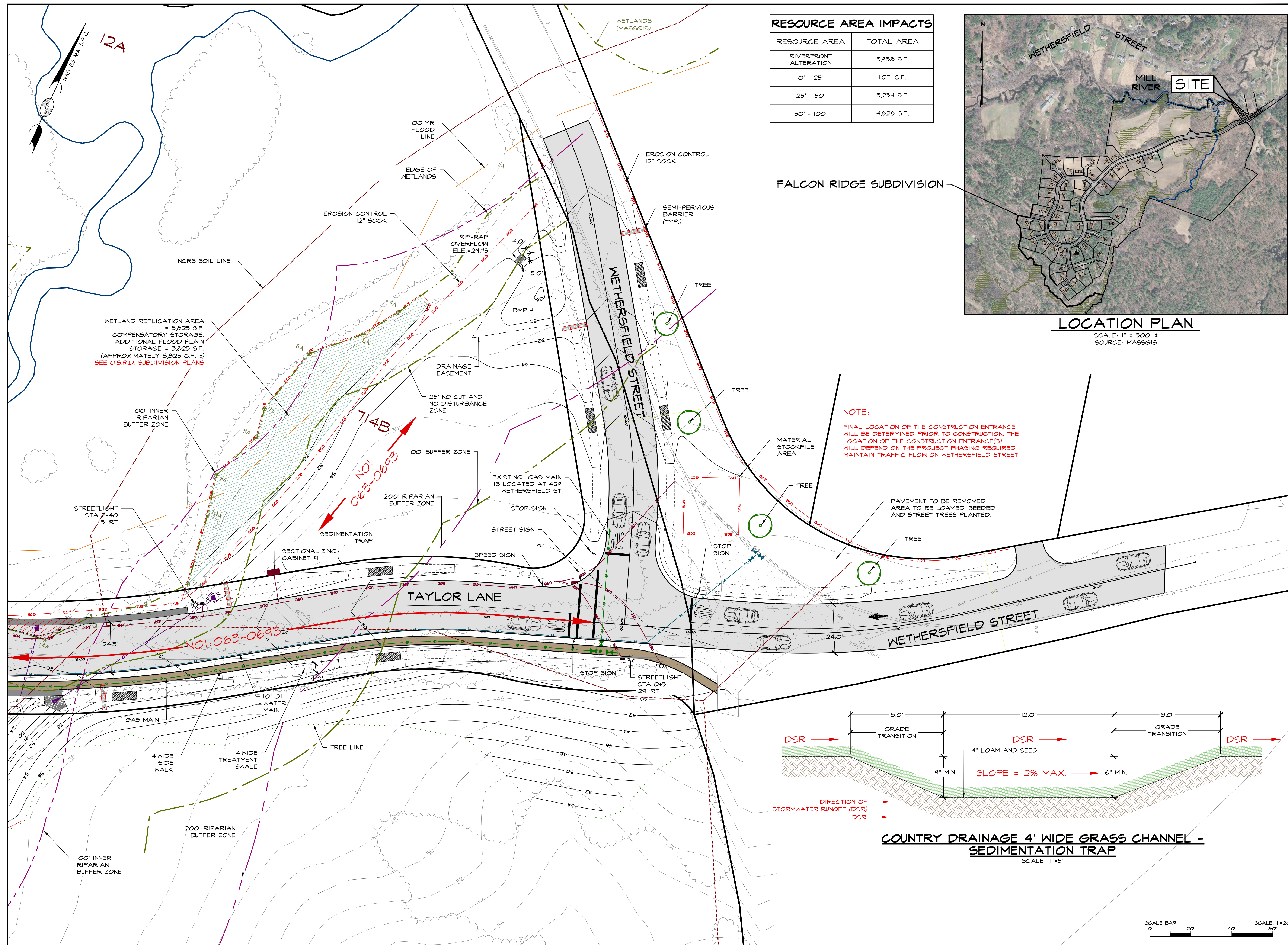
drawing name

WETHERSFIELD STREET
INTERSECTION
REALIGNMENT

drawing number



sheet 1 of 2



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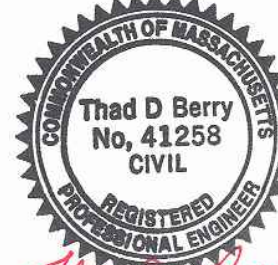
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drawing name

EROSION
CONTROL
DETAILS

drawing number

C2

sheet 2 of 2

EROSION CONTROL NOTES

EROSION CONTROL PRINCIPLES

- A. THE FOLLOWING EROSION CONTROL PRINCIPLES SHALL APPLY TO THE LAND GRADING AND CONSTRUCTION PHASES:
- 1) STRIPPING OF VEGETATION, GRADING, OR OTHER SOIL DISTURBANCE SHALL BE DONE IN A MANNER WHICH WILL MINIMIZE SOIL EROSION.
 - 2) WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED.
 - 3) EXTENT OF AREA WHICH IS EXPOSED AND FREE OF VEGETATION AND DURATION OF ITS EXPOSURE SHALL BE KEPT WITHIN PRACTICAL LIMITS.
 - 4) TEMPORARY SEEDING, MULCHING, OR OTHER SUITABLE STABILIZATION MEASURES SHALL BE USED TO PROTECT EXPOSED CRITICAL AREAS DURING PROLONGED CONSTRUCTION OR OTHER LAND DISTURBANCE.
 - 5) DRAINAGE PROVISIONS SHALL ACCOMMODATE INCREASED RUNOFF RESULTING FROM MODIFICATIONS OF SOIL AND SURFACE CONDITIONS DURING AND AFTER DEVELOPMENT OR DISTURBANCE. SUCH PROVISIONS SHALL BE IN ADDITION TO EXISTING REQUIREMENTS.
 - 6) SEDIMENT SHALL BE RETAINED ON-SITE.
 - 7) EROSION CONTROL DEVICES SHALL BE INSTALLED AS EARLY AS POSSIBLE IN THE CONSTRUCTION SEQUENCE PRIOR TO START OF CLEARING AND GRUBBING OPERATIONS AND EXCAVATION WORK.
- B. CUT AND FILL SLOPES AND STOCKPILED MATERIALS SHALL BE PROTECTED TO PREVENT EROSION. SLOPES SHALL BE PROTECTED WITH PERMANENT EROSION PROTECTION WHEN EROSION EXPOSURE PERIOD IS GREATER THAN OR EQUAL TO SIX MONTHS, AND TEMPORARY EROSION PROTECTION WHEN EROSION EXPOSURE PERIOD IS EXPECTED TO BE LESS THAN SIX MONTHS (SEE NOTE 18).

- 1) PERMANENT EROSION PROTECTION SHALL BE ACCOMPLISHED BY SEEDING WITH GRASS AND COVERING WITH AN EROSION PROTECTION MATERIAL, AS APPROPRIATE FOR PREVAILING CONDITIONS.

- 2) EXCEPT WHERE SPECIFIED SLOPE IS INDICATED ON DRAWINGS, FILL SLOPES SHALL BE LIMITED TO A GRADE OF 3:1 (HORIZONTAL:VERTICAL) AND CUT SLOPES SHALL BE LIMITED TO A GRADE OF 3:1.

SILTATION SOCK

INSTALL SILTATION SOCK IN ACCORDANCE WITH THE PLAN DETAIL.

MAINTENANCE AND REMOVAL OF CONTROL DEVICES

- A. WETLAND AREAS, WATER COURSES, AND DRAINAGE SHALES ADJACENT TO CONSTRUCTION ACTIVITIES SHALL BE MONITORED TWICE EACH MONTH FOR EVIDENCE OF SILT INTRUSION AND OTHER ADVERSE ENVIRONMENTAL IMPACTS, WHICH SHALL BE CORRECTED IMMEDIATELY UPON DISCOVERY.

- B. CULVERTS AND DRAINAGE DITCHES SHALL BE KEPT CLEAN AND CLEAR OF OBSTRUCTIONS DURING CONSTRUCTION PERIOD.

- C. EROSION CONTROL DEVICES:

- 1) SEDIMENT BEHIND THE EROSION CONTROL DEVICE SHALL BE CHECKED TWICE EACH MONTH AND AFTER EACH HEAVY RAIN. SILT SHALL BE REMOVED IF GREATER THAN 6-INCHES DEEP.

- 2) CONDITION OF EROSION CONTROL DEVICE SHALL BE CHECKED TWICE EACH MONTH OR MORE FREQUENTLY AS REQUIRED. DAMAGED AND/OR DETERIORATED ITEMS SHALL BE REPLACED. EROSION CONTROL DEVICES SHALL BE MAINTAINED IN-PLACE AND IN EFFECTIVE CONDITION.

- 3) HAY BALES SHALL BE INSPECTED FREQUENTLY AND MAINTAINED OR REPLACED AS REQUIRED TO MAINTAIN BOTH EFFECTIVENESS AND INSTALLED CONDITION. UNDERSIDE OF BALES SHALL BE KEPT IN CLOSE CONTACT WITH THE EARTH BELOW AT ALL TIMES, AS REQUIRED TO PREVENT WATER FROM WASHING BENEATH BALES.

- 4) SEDIMENT SHALL BE REMOVED FROM THE RETENTION PONDS AT THE COMPLETION OF THE PROJECT AND PERIODICALLY DURING CONSTRUCTION. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN SEDIMENT HAS ACCUMULATED TO A DEPTH OF 6 INCHES, OR AS DIRECTED.

- 5) SEDIMENT DEPOSITS SHALL BE DISPOSED OF OFF-SITE, IN A LOCATION AND MANNER WHICH WILL NOT CAUSE SEDIMENT NUISANCE ELSEWHERE.

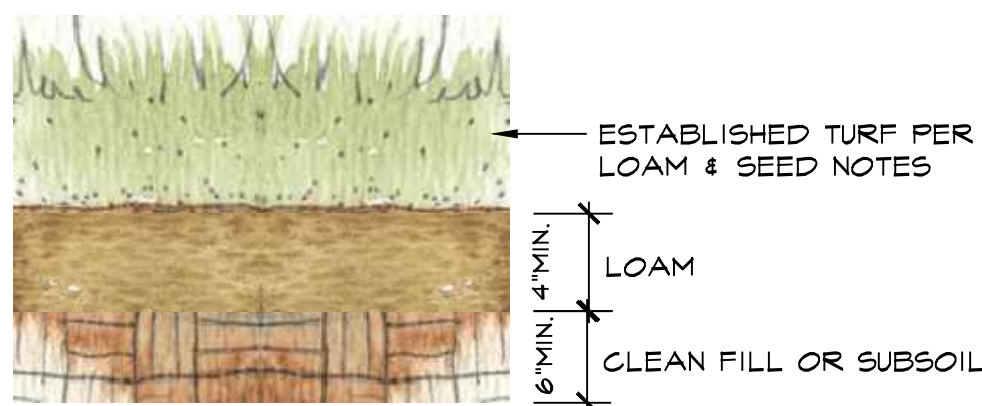
- D. REMOVAL OF EROSION CONTROL DEVICES:

- 1) THE CONSERVATION COMMISSION AGENT MUST INSPECT THE SITE AND APPROVE REMOVAL OF ANY EROSION CONTROL DEVICE.

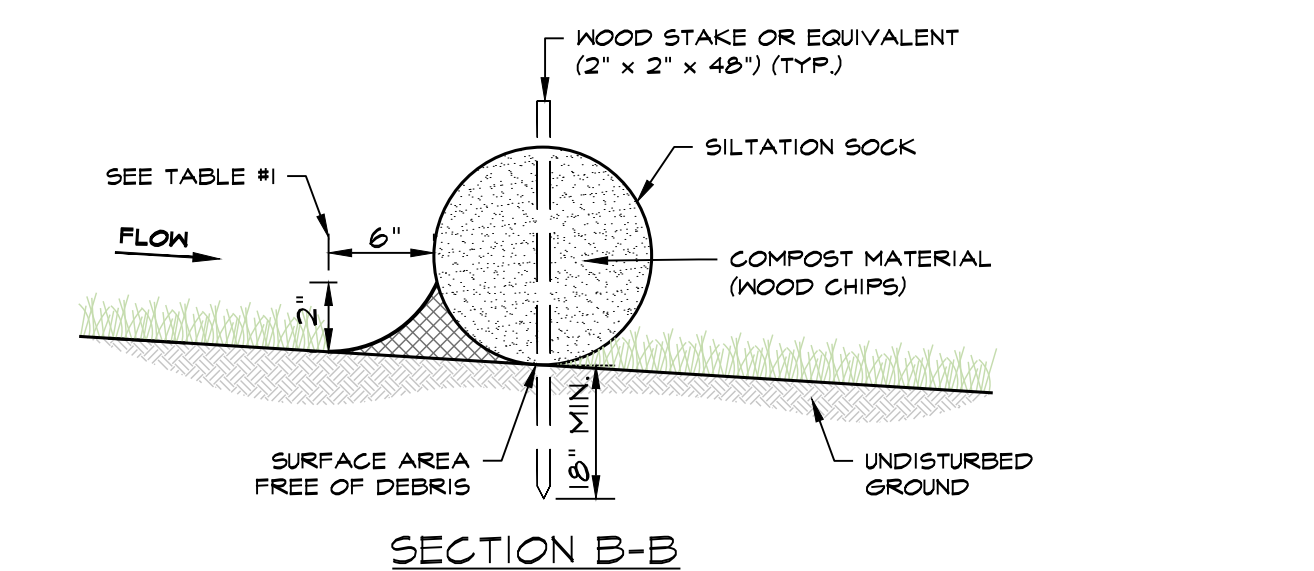
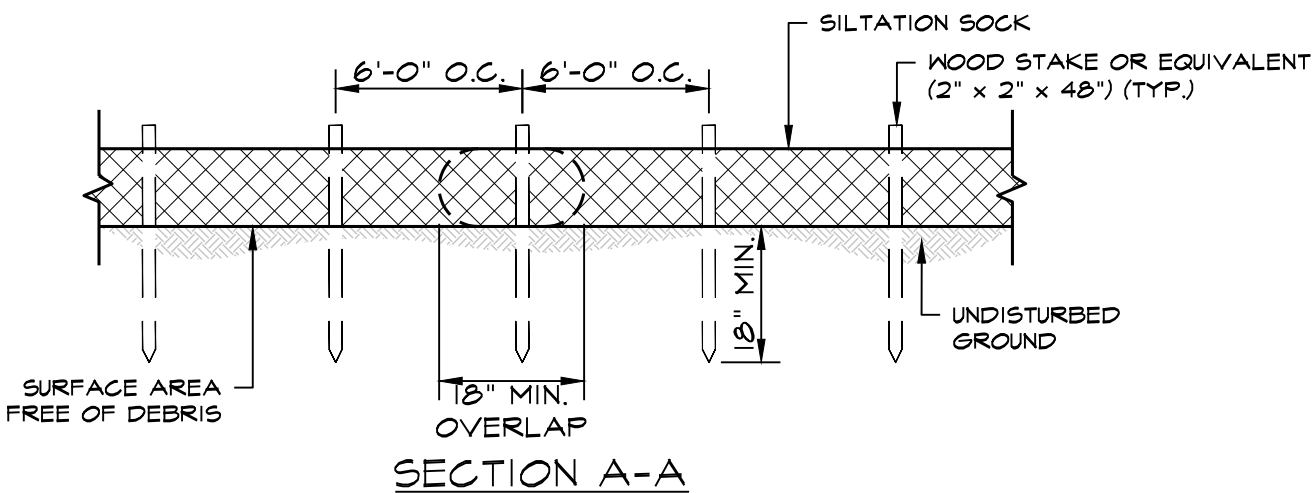
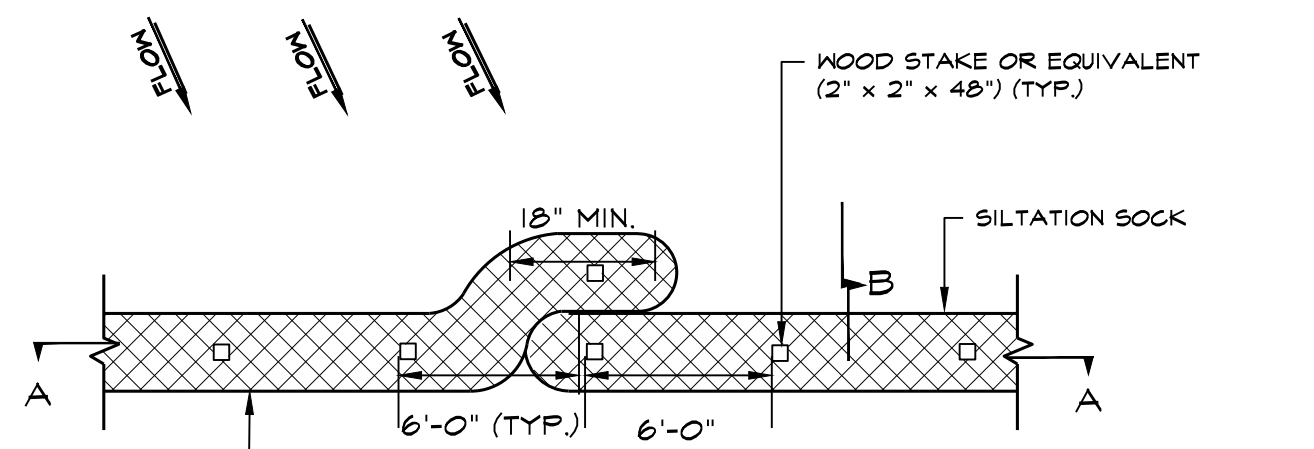
- 2) EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL ALL DISTURBED EARTH HAS BEEN PAVED OR VEGETATED. AT WHICH TIME THEY SHALL BE REMOVED. AFTER REMOVAL, AREAS DISTURBED BY THESE DEVICES SHALL BE RE-GRADED AND SEEDED.

- 3) EROSION CONTROL NETTING SHALL BE KEPT SECURELY ANCHORED UNTIL START OF PERMANENT TURF CONSTRUCTION.

- 4) EROSION PROTECTION MATERIAL SHALL BE KEPT SECURELY ANCHORED UNTIL ACCEPTANCE OF COMPLETED SLOPE OR ENTIRE PROJECT, WHICHEVER IS LATER.



LOAM & SEED DETAIL



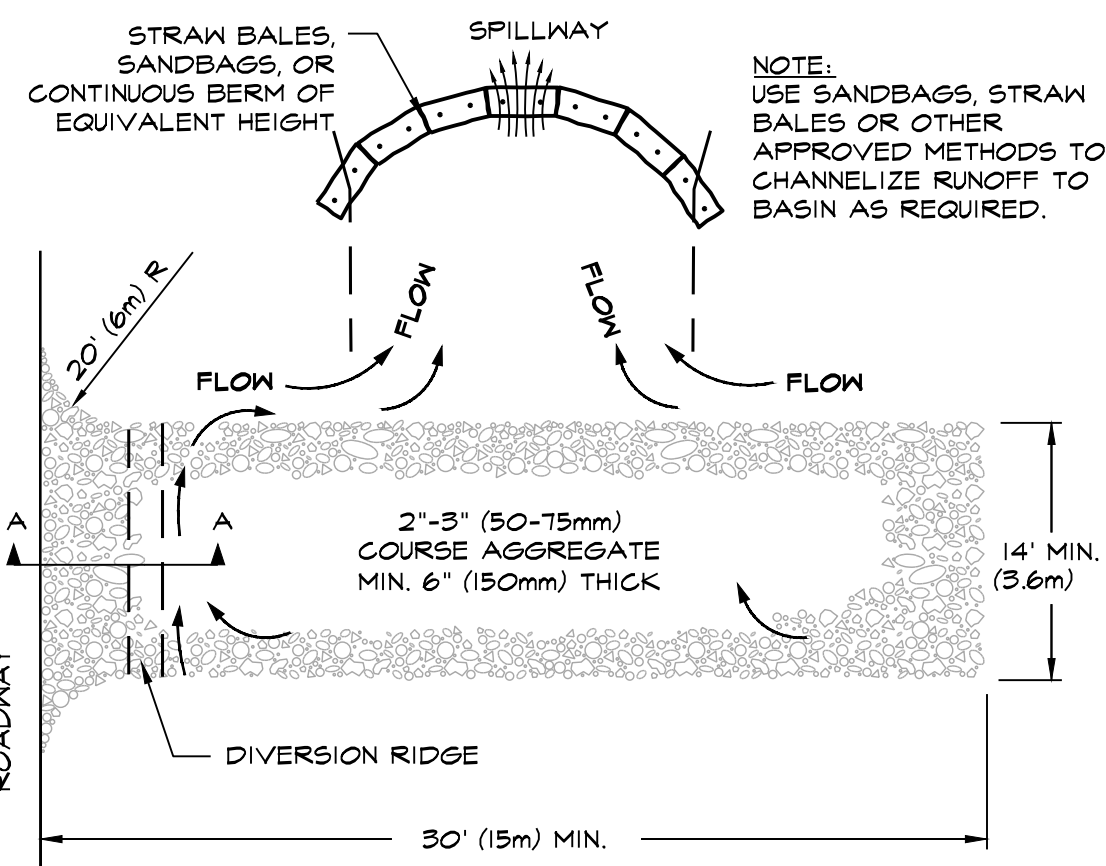
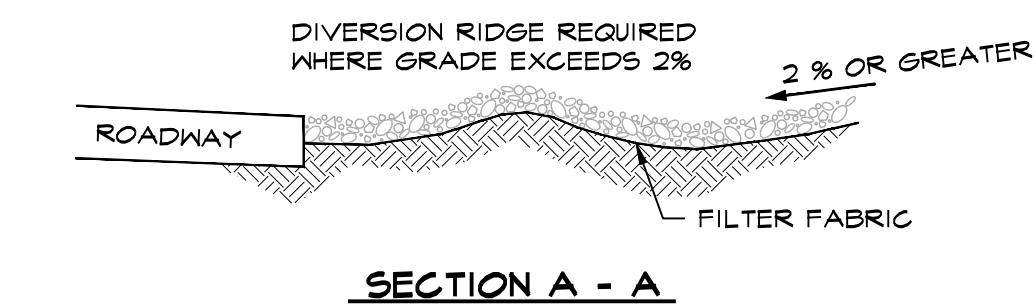
SILTATION SOCK DETAIL

NOT TO SCALE

INSTALLATION NOTES:

1. INSTALL SILT SOCK ON A SURFACE CLEAR OF DEBRIS.
2. OVERLAP ENDS BY A MINIMUM OF 18-INCHES.
3. END OF SILT SOCK TO BE DIRECTED UP SLOPE.
4. PLACE STAKES THROUGH SILT SOCK OR ON DOWNSTREAM SIDE.
5. ON SLOPES GREATER THAN 2:1 (2:1) SEED COMPOST SOCK IS RECOMMENDED.

TABLE #1			
SLOPE	SOCK DIAMETER (MIN)	STAKING	2" COMPOST BARRIER (WOOD CHIPS)
< 50:1	9"	6' O.C.	---
50:1 TO 10:1	9"	6' O.C.	---
10:1 TO 5:1	12"	6' O.C.	---
3:1 TO 2:1	12"	4' O.C.	---
> 2:1	18"	4' O.C.	---

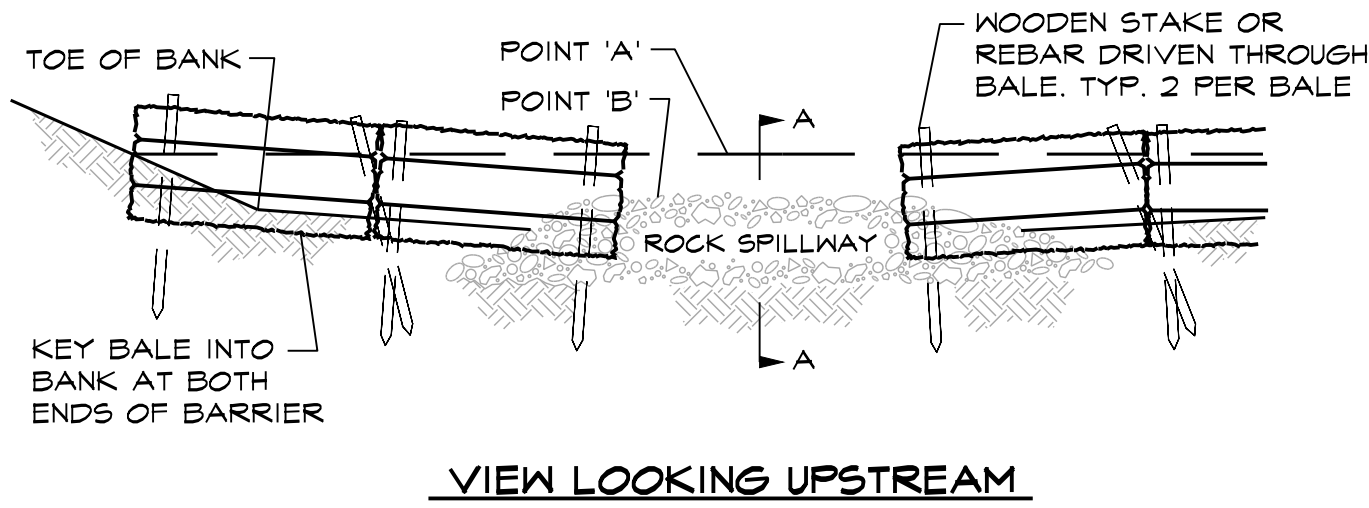
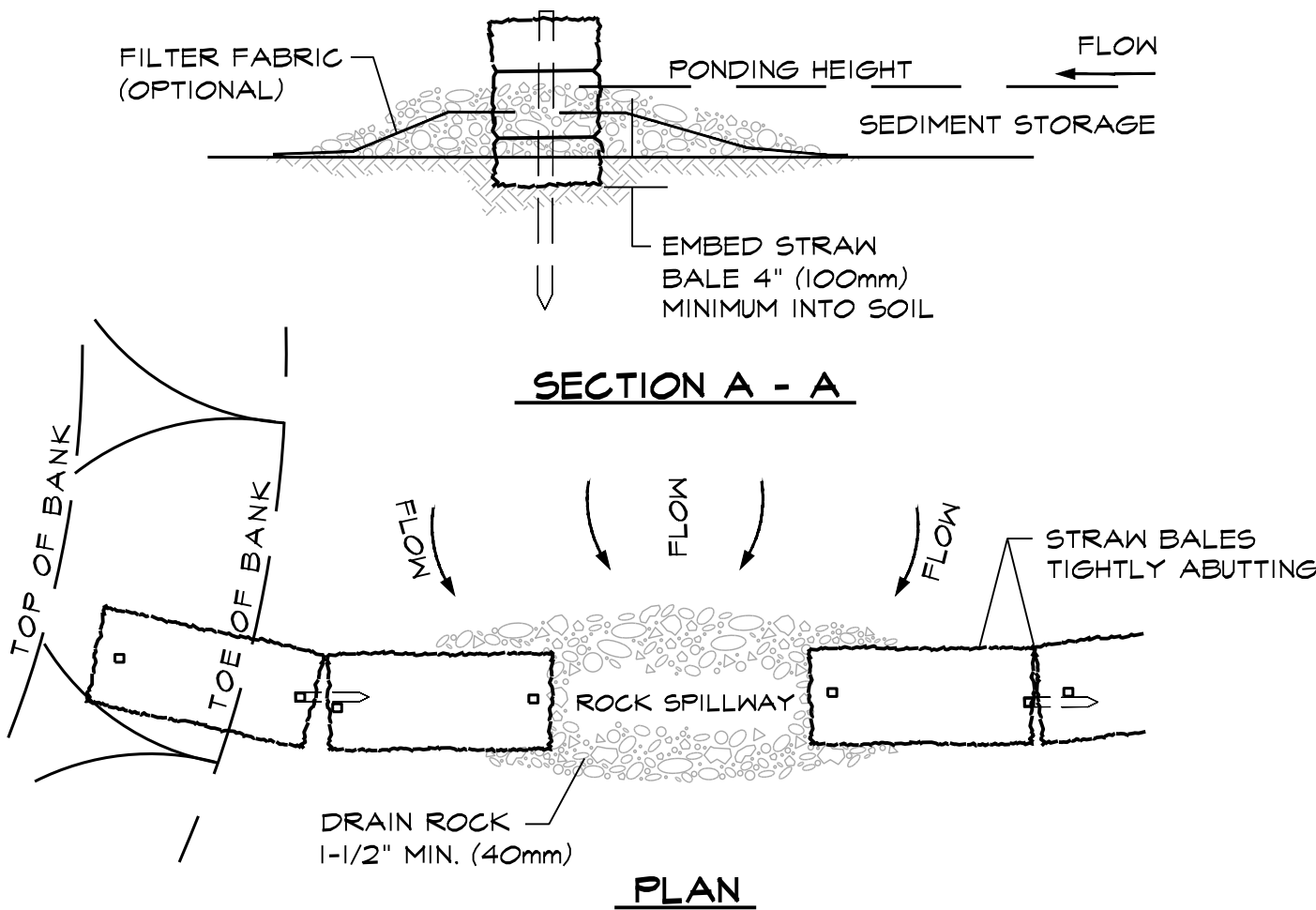


NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. ADJACENT STREETS SHALL BE SWEEP.

TEMPORARY
CONSTRUCTION ENTRANCE

NOT TO SCALE



NOTES:

1. PLACE BALES PERPENDICULAR TO FLOW.
2. EMBED THE BALE 4" (100mm) INTO THE SOIL AND "KEY" THE END BALES INTO THE CHANNEL BANKS TO PREVENT FLOW AROUND THE BALES.
3. BALES PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING.
4. POINT "A" SHALL BE HIGHER THAN POINT "B".
5. SPILLWAY HEIGHT SHALL NOT EXCEED 24" (0.6m).

SEMI-PERVIOUS
STRAW BALE SEDIMENT BARRIER

NOT TO SCALE

EROSION CONTROL

STORMWATER POLLUTION PREVENTION PLAN NOTES:

1. LOCATION OF CONSTRUCTION ENTRANCE/VEHICLE WASH AREA WILL BE DETERMINE PRIOR TO CONSTRUCTION AND WILL DEPEND ON THE PHASING ON THE RECONSTRUCTION (ALSO SEE NOTE 6).
2. EROSION CONTROL BARRIER TO BE STAKED IN THE FIELD BY SURVEYOR PRIOR TO CONSTRUCTION.
3. MATERIAL STOCKPILE AREA WILL BE SURROUNDED BY AN EROSION CONTROL BARRIER (HAY BALES, SILTATION FENCE, AND/OR SILTATION SOCK). FINAL MATERIAL STOCKPILE AREAS WILL BE DETERMINED AT THE TIME OF CONSTRUCTION. CONTRACTOR SHALL PROVIDE CONSTRUCTION SCHEDULE AND FINAL STORMWATER POLLUTION PREVENT PLAN DETAILING MATERIAL STOCKPILE AREAS FOR ROADWAY AND BMP CONSTRUCTION. DURING CONSTRUCTION, MATERIAL STOCKPILE AREAS SHALL BE PLACED WITHIN AREA TO BE CLEAR FOR UNIT CONSTRUCTION AND OUTSIDE THE 100' BUFFER ZONE.
4. ALL LOAM IS TO REMAIN ON SITE UNTIL ALL AREAS ARE LOAMED AND SEEDDED. EXCESS LOAM SHALL BE REMOVED FROM THE SITE AT THE COMPLETION FOR ROADWAY AND LOT CONSTRUCTION.
5. CONSTRUCTION ENTRANCE WILL BE INSTALLED FOR VEHICLE ACCESS TO CONSTRUCTION STAGING AREA.
6. CONCRETE WASHOUT AREA WILL BE A MINIMUM OF 6'x6' AND BE SURROUNDED BY A SINGLE ROW OF STACKED HAY BALES. ALL HARDENED CONCRETE WILL BE REMOVED AND DISPOSED OF OFF SITE IN ACCORDANCE WITH THE MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTIONS (MADEP) RULES AND REGULATIONS.
7. ALL CATCH BASINS WILL BE PROTECTED BY A "SILT BAG INLET PROTECTION".
8. BMP'S WILL ACT AS TEMPORARY SEDIMENTATION POND DURING CONSTRUCTION. THEREFORE THE INITIAL BASIN EXCAVATION SHOULD BE TAKEN TO NO MORE THAN 1 FT OF THE FINISH BASIN FLOOR ELEVATION EXCEPT TO ACCOMMODATE THE BASIN OUTLET. ACCUMULATED SEDIMENTS SHALL BE REMOVED DURING FINAL BMP CONSTRUCTION AND STABILIZATION. REMOVE SEDIMENTS WHEN DEPTH REACHES 12".
9. DURING BUILDING CONSTRUCTION A VEHICLE WASH AREA WILL BE LOCATED WITHIN THE GENERAL BUILDING AREA CONSTRUCTION LIMITS.
10. CONTRACTOR SHALL OBTAIN NPDES GENERAL PERMIT PRIOR TO CONSTRUCTION.
11. CONTRACTOR SHALL KEEP A COPY OF THE APPROVED PLANS ALONG WITH THE TOWN OF ROWLEY'S CONSERVATION COMMISSION'S ORDER OF CONDITIONS AND TOWN OF ROWLEY'S PLANING BOARD CONDITIONS OF APPROVAL AT ALL TIMES.

SEED MIX PLANTING

FINAL SEEDING LOCATIONS OTHER THAN THOSE IN THE BMP'S WILL BE DETERMINED AT TIME OF FINAL SITE RESTORATION.