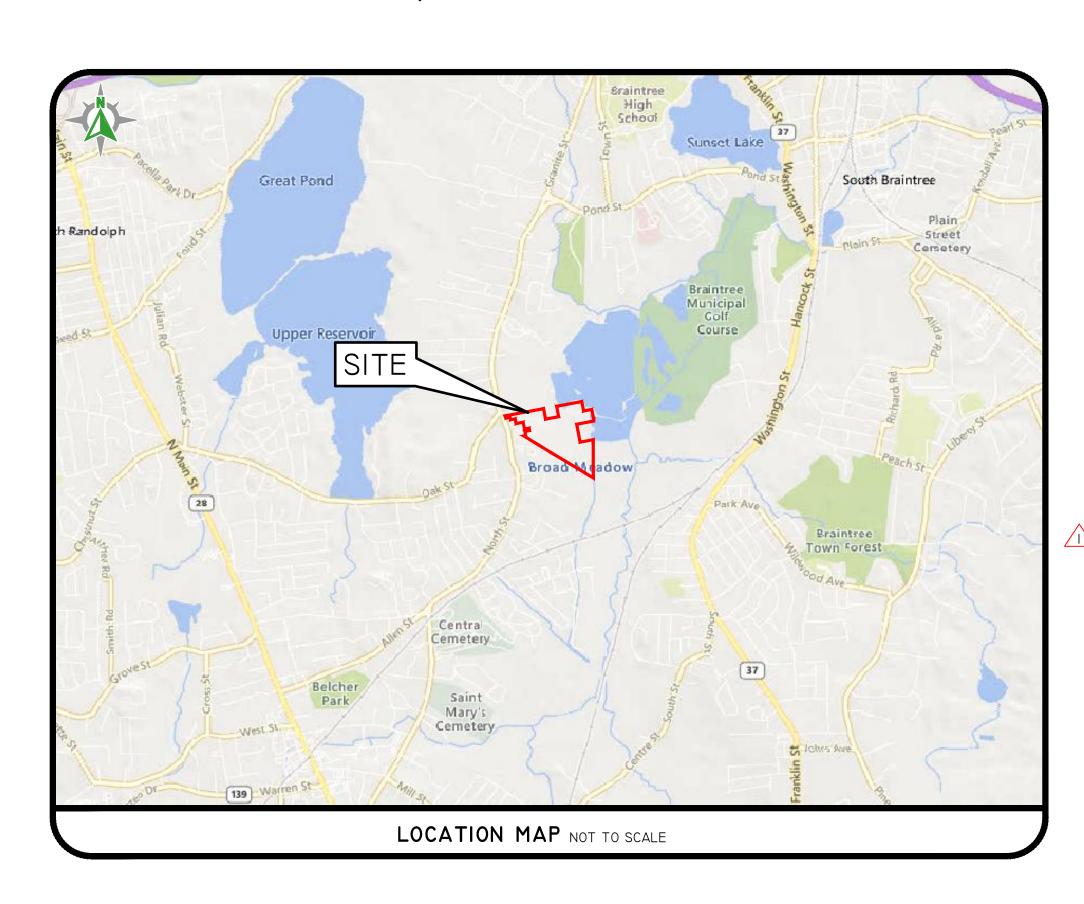
RANDOLPH ROAD

MULTIPLE PARCELS LOCATED IN RANDOLPH, MASSACHUSETTS



SHEET LIST TABLE

- COVER SHEET
- 2 AERIAL HALF-MILE RADIUS & USGS MAP
- 3 Notes and Legend
- 4 APPROVAL NOT REQUIRED SUBDIVISION
- 5 Soil Erosion & Sediment Control Plan
- 6 OVERALL SITE PLAN
- RANDOLPH ROAD OVERLAY PLAN
- 8 SITE LAYOUT & SIGNAGE PLAN
- 9 TRUCK TURN PLAN
- 10 GRADING PLAN
- II DRAINAGE PLAN
- 12 UTILITIES PLAN
- 13 POND DETAILS
- 14 SESC DETAIL SHEET
- 15 DETAIL SHEET-I
- 16 DETAIL SHEET-2
- 17 LANDSCAPE PLAN
- 18 LANDSCAPE NOTES & DETAILS

OTHER SHEETS

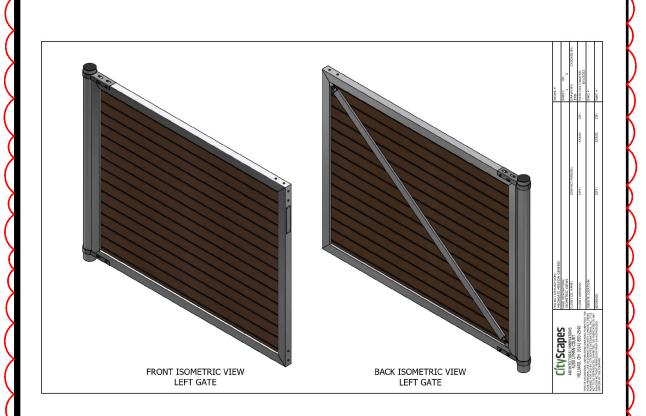
LIGHTING LAYOUT (RAB) SHEET 2 OF 2 LIGHTING LAYOUT (RAB)

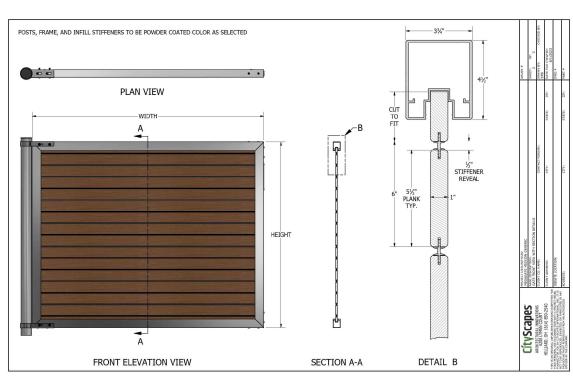
AND MUST BE MAINTAINED BY THE CONTRACTOR AND OWNER ON SITE.

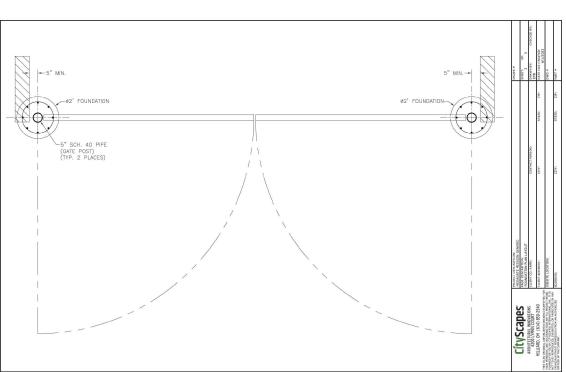
COVER
RANDOL
WAREHOUSE
RANDOLPH, P
PREPARED FOR:
BLUEWATE

NNFASTORAGENENDEMAINNERO, IECTSN2054,-003 RANDOI PH ROAD HIAHITOCAD DRAWINGSN2054,-003-SITE DWG PLOTTED: 6/23/2023

OR AS APPROVED BY THE RANDOLPH CONSERVATION COMMISSION.





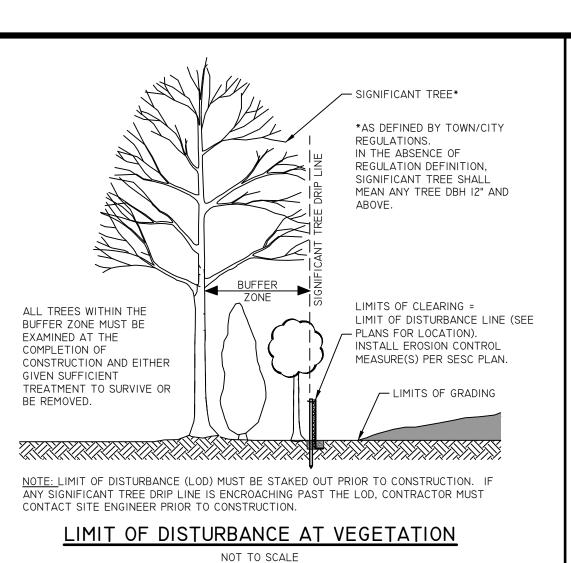


NOTES:

I. CONTRACTOR TO COORDINATE FINAL PRODUCT SELECTION WITH OWNER. 2. COVRIT (TM) TOUGHGATE / MEGAGATE OR ENGINEER APPROVED EQUAL.

SOUND BARRIER DETAIL

NOT TO SCALE



(OR APPROVED EQUAL) 2"X2"X36" WOODEN STAKES BLOWN/PLACED PLACED IO' O.C. FILTER MEDIA WORK AREA AREA TO BE PROTECTED MINIMUM 2"X2"X36" WOODEN STAKES PLACED 10' O.C. ALL MATERIAL TO MEET FILTREXX(R) AREA TO BE SPECIFICATIONS 2. FILTER MEDIA(TM) FILL TO MEET APPLICATION REQUIREMENTS. 3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER WORK AREA 4. STAKES ARE NOT TO BE USED IN PAVEMENT 5. SELF WEIGHT OF FILTREXX SYSTEM IS FILTREXX(R) SOXX(TM) ADEQUATE TO PREVENT SYSTEM MOVEMENT (I2" TYP) ONCE POSITIONED ALONG AREA SHOWN ON (OR APPROVED EQUAL) THE PLANS. 6. CONTRACTOR TO PLACE FILTREXX SEDIMENT CONTROL OR APPROVED EQUAL AROUND ALL CURB INLET LOCATIONS AS SPECIFIED ON FILTREXX SEDIMENT CONTROL (OR APPROVED EQUAL)

NOT TO SCALE

FILTREXX(R) SOXX(TM) (I2" TYP)

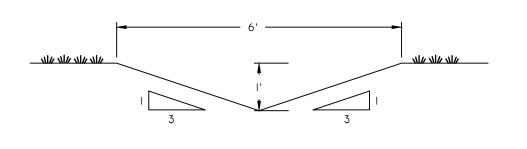
SILT FENCE TO EXTEND AROUND ENTIRE PERIMETER OF STOCKPILE STOCKPILE -ALL STOCKPILES MUST BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS. DIVERT ALL STORMWATER AWAY FROM STOCKPILES SOIL STOCKPILES THAT ARE NOT TO BE USED WITHIN 30 DAYS MUST BE SEEDED AND MULCHED IMMEDIATELY AFTER FORMATION OF THE STOCKPILE WITH SEED MIX COMPATIBLE WITH THE SOIL

4. STOCKPILE AND SILT FENCE MUST BE INSPECTED AT LEAST ONCE PER WEEK AND AFTER RAIN EVENTS IN EXCESS OF $\frac{1}{2}$ " OF RAINFALL. REPAIR/ REPLACE SILT FENCE (AND STOCKPILE COVERS WHERE APPLICABLE) AS NEEDED TO KEEP THEM FUNCTIONING ADEQUATELY.

STOCKPILE PROTECTION

NOT TO SCALE

. SEDIMENT TRAPPED BY SILT FENCES MUST BE REMOVED AND PROPERLY DISPOSED OF WHENEVER SIGNIFICANT ACCUMULATION OCCURS.



DiP

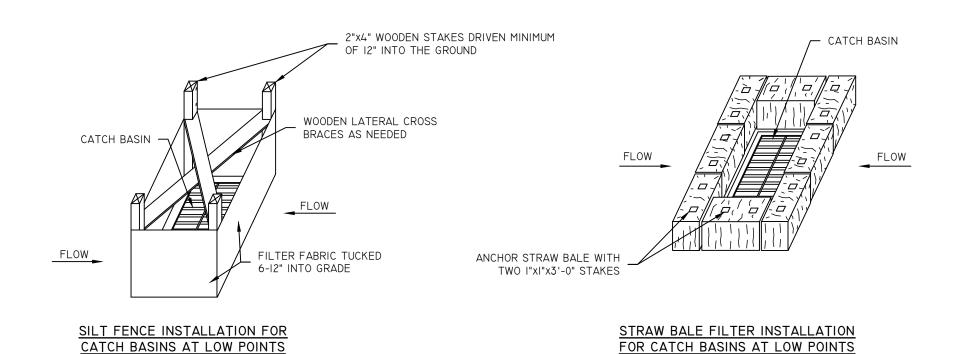
SEDIMENT BARRIER

- SEDIMENT CATCHMEN1

GRADE TO FLOW

NTO NEARBY SEDIMENT CATCHMENT

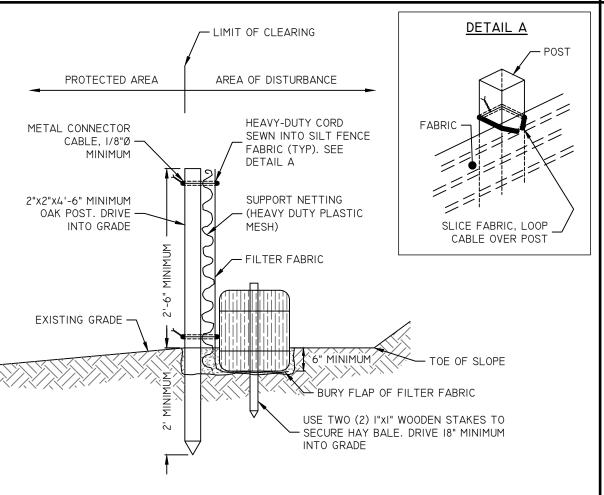
TEMPORARY DIVERSION CHANNEL



- NOTES:

 I. STORMWATER INLETS WHICH DO NOT DISCHARGE TO SEDIMENT TRAPS OR BASINS MUST BE PROTECTED
- UNTIL THE TRIBUTARY AREAS ARE STABILIZED. SEDIMENT MUST BE REMOVED FROM INLET PROTECTION AFTER EACH STORM. REFER TO LONG TERM/SHORT TERM MAINTENANCE NOTES AND OPERATION & MAINTENANCE PLAN FOR

TIMING OF PLACEMENT AND REMOVAL OF EROSION CONTROL ELEMENTS. CATCH BASIN EROSION CONTROL



FUNCTIONING CORRECTLY TO PREVENT TRACKING OF SEDIMENT BY CONSTRUCTION VEHICLES THAT THE MAINTENANCE SHALL INCLUDE TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH A CONDITIONS DEMAND OR AS DIRECTED BY THE ENGINEER. ALL SEDIMENTS SPILLED, DROPPED, WASHED,

GEOTEXTILE FABRIC

STABILIZE FOUNDATION

OR TRACKED ON THE PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR. . CONTRACTOR PERSONNEL SHALL SUPERVISE EXITING TRAFFIC, CLEAN OFF VEHICLES, AND MAINTAIN

CONTRACTOR SHALL MONITOR AND MAINTAIN THE ENTRANCE TO ENSURE THAT IT IS CLEANED AND

THE SEDIMENT CATCHMENT AREA. 4. ADJACENT ENTRANCE/ EXIT ROADWAYS SHALL BE SWEPT DAILY BY CONTRACTOR.

TEMPORARY GRAVEL CONSTRUCTION

ENTRANCE/ EXIT PAD

NOT TO SCALE

RESTORE THE TRAP TO ITS ORIGINAL DIMENSIONS. DEWATER IF NECESSARY. 2. DISPOSE OF THE SEDIMENT REMOVED FROM THE TRAP IN A SUITABLE AREA.

3. INSPECT THE TEMPORARY SEDIMENT TRAP AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.25 INCH OR GREATER.

I. INSTALL "SEDIMENT STORAGE" STAKE WITH A MARKER AT ONE HALF DESIGN DEPTH. THIS WILL BE THE

'CLEANOUT LEVEL'. REMOVE SEDIMENT WHEN IT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH AND

4. CLEAN OR REPLACE SPILLWAY GRAVEL FACING IF CLOGGED. PROMPTLY REPLACE ANY DISPLACED RIPRAP,

ENSURING THAT NO STONES IN SPILLWAY ARE ABOVE DESIGN GRADE.

1.5"-2" COARSE

AGGREGATI

CENTER OF CONSTRUCTION EXIT PAD TO

BE DEPRESSED TO PREVENT DIRT AND -DIRTY WATER FROM LEAVING THE SITE

INSPECTION, MAINTENANCE, AND REMOVAL REQUIREMENT

5. INSPECT VEGETATION; RESEED AND REMULCH IF NECESSARY. 6. CHECK SPILLWAY DEPTH PERIODICALLY TO ENSURE MINIMUM OF 1.5 FEET DEPTH FROM LOWEST POINT OF THE SETTLED EMBANKMENT TO HIGHEST POINT OF SPILLWAY CREST. FILL ANY LOW AREAS OF THE EMBANKMENT TO

MAINTAIN DESIGN ELEVATION. 7. AFTER ALL SEDIMENT-PRODUCING AREAS HAVE BEEN STABILIZED, INSPECTED AND APPROVED, REMOVE THE SEDIMENT TRAP AND ALL UNSTABLE SEDIMENT. RESTORE AREA TO DESIGN GRADE AND STABILIZE IN ACCORDANCE WITH LANDSCAPE PLAN/ COVER AS SHOWN ON APPLICABLE PLANS.

INSTALLATION NOTES:

 CLEAR, GRUB AND STRIP ALL VEGETATION AND ROOT MAT FROM ANY PROPOSED EMBANKMENT AND OUTLET AREA. USE STABLE MINERAL SOIL FREE OF ROOTS, ROCKS, DEBRIS, ORGANIC MATERIAL AND OTHER

 PLACE EMBANKMENT FILL IN 9-INCH LIFTS, MAXIMUM. THE FILL SHOULD BE COMPACTED BY ROUTING THE
 CONSTRUCTION EQUIPMENT SO THAT THE ENTIRE AREA OF THE FILL IS TRAVERSED BY AT LEAST ONE WHEEL OR TREAD TRACK OF THE EQUIPMENT. CONSTRUCT SIDE SLOPES 2:1 OR FLATTER (3:1 RECOMMENDED FOR BACKSLOPE TO IMPROVE STABILITY OF STONE SPILLWAY).

OVERFILL EMBANKMENT TO 6 INCHES ABOVE DESIGN ELEVATION TO ALLOW FOR SETTLEMENT.

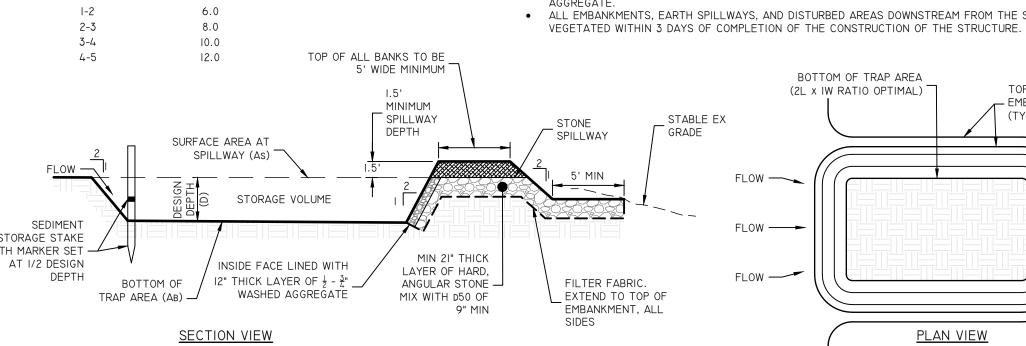
 EXCAVATE TRAPEZOIDAL STONE OUTLET SECTION FROM COMPACTED EMBANKMENT. ALLOW FOR THICKNESS OF STONE SIDE SLOPES (21 INCHES MINIMUM). INSTALL FILTER FABRIC UNDER STONE. EXTEND FABRIC UP THE SIDES TO THE TOP OF EMBANKMENT. PLACE SPECIFIED STONE TO LINES AND GRADES SHOW ON PLANS, WORKING THE SMALL STONES INTO THE VOIDS TO ACHIEVE A DENSE MASS. SPILLWAY CREST MUST BE LEVEL WITH MINIMUM DIMENSIONS SPECIFIED. MEASURE SPILLWAY DEPTH FROM THE HIGHEST STONES IN THE SPILLWAY TO THE DESIGN ELEVATION OF TOP OF

EMBANKMENT. MINIMUM DEPTH IS 1.5 FEET KEEP SIDES OF THE STONE OUTLET SECTION AT LEAST 21 INCHES THICK THROUGH THE LEVEL SECTION AND THE DOWNSTREAM FACE OF EMBANKMENT.

 EXTEND OUTLET APRON BEYOND TOE OF EMBANKMENT ON LEVEL GRADE UNTIL STABLE CONDITIONS ARE REACHED (5' MINIMUM). EDGES AND END OF THE STONE APRON SECTION MUST BE FLUSH WITH SURROUNDING

GROUND. NO OVERFALL SHOULD EXIST. COVER INSIDE OF FACE OF STONE OUTLET SECTION WITH A 1-FOOT THICK LAYER OF 1/2 TO 3/4 INCH

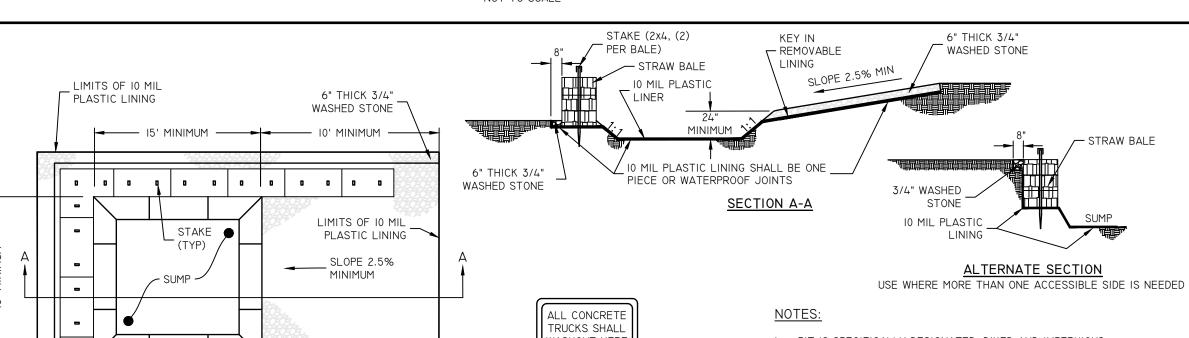
ALL EMBANKMENTS, EARTH SPILLWAYS, AND DISTURBED AREAS DOWNSTREAM FROM THE STRUCTURE SHOULD BE



TEMPORARY SEDIMENT TRAP DETAIL

NOT TO SCALE

NOT TO SCALE <u>DANDY SACK</u>® SEWER -THAT POP GRATE OPEN AND SUPPORT REINFORCED CORNERS OVERFLOW MANAGEABLE 2 CONTAINMENT AREA VELCRO CLOSURE SEWER -INLET SEDIMENT CONTROL DEVICES GRATE



WASHOUT HERE WASHOUT SIGN

LIMITS OF 10 MIL

PLASTIC LINING

STRAW BALE

<u>PLAN</u>

I. PIT IS SPECIFICALLY DESIGNATED, DIKED AND IMPERVIOUS CONTAINMENT TO PREVENT CONTACT BETWEEN CONCRETE WASH AND STORMWATER. WASH WATER SHALL NOT BE ALLOWED TO FLOW TO SURFACE WATER.

WASTE WITH A MINIMUM FREEBOARD OF 12." 4. FACILITY SHALL NOT BE FILLED BEYOND 95% CAPACITY UNLESS A NEW FACILITY IS CONSTRUCTED SAWCUT PORTLAND CEMENT CONCRETE, RESIDUE FROM SAWCUT AND

GRINDING TO BE DISPOSED OF IN THE PIT. 6. CONCRETE WASHOUTS SHALL BE LOCATED A MINIMUM OF 100' FROM DRAINAGE WAYS, INLETS, AND SURFACE WATERS. MANUFACTURED CONCRETE WASHOUT DEVICES MAY BE USED IF REMOVED FROM THE SITE WHEN 95% FULL CAPACITY.

STORAGE STAKE WITH MARKER SET -AT I/2 DESIGN

<u>PLAN VIEW</u>

- EMBANKMEN

STONE

CONCRETE WASHOUT AREA

NOT TO SCALE

FACILITY MUST HOLD SUFFICIENT VOLUME TO CONTAIN CONCRETE

HAY BALE AND SILT FENCE DETAIL

TEMPORARY SEDIMENT TRAPS SHALL MEET ALL REQUIREMENTS FOR TEMPORARY SEDIMENT TRAPS OUTLINED IN THE MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS (LATEST REVISION).

NOT TO SCALE

2. THE TEMPORARY SEDIMENT TRAP SHALL HAVE A MINIMUM STORAGE VOLUME OF 67 CUBIC YARDS PER ACRE OF CONTRIBUTING DRAINAGE AREA.

3. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.

4. THE OUTLET SPILLWAY SHALL BE LOCATED AT THE MOST DISTANT HYDRAULIC POINT FROM THE INLET.

5. THE OUTLET SPILLWAY SHALL CONSISTED OF HARD, ANGULAR, WELL-GRADED STONE

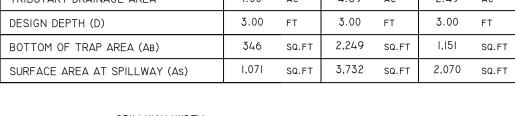
MIXTURE WITH D50 OF 9 INCHES MINIMUM. INSIDE FACING OF SPILLWAY TO BE LINED WITH A I-FOOT THICK OF $\frac{1}{2}$ TO $\frac{3}{4}$ INCH WASHED AGGREGATE. SEE DETAIL 6. TEMPORARY SEDIMENT TRAPS MUST OUTLET ONTO RIPRAP APRON 5 FEET LONG

(MINIMUM) WITH FILTER FABRIC FOUNDATION. 7. MINIMUM WIDTH OF TOP OF EMBANKMENT IS 5 FEET.

8. MAXIMUM HEIGHT OF EMBANKMENT IS 5 FEET FROM OUTER EMBANKMENT TOE TO TOP OF EMBANKMENT.

9. SEDIMENT TRAPS ARE LIMITED TO A MAXIMUM CONTRIBUTING DRAINAGE AREA OF 5 ACRES, AND A STRUCTURE LIFE OF 2 YEARS.

SEDIMENT TRAP DIMENSIONS	TRAP A		TRAP B		TRAP C	
TRIBUTARY DRAINAGE AREA	1.00	AC	4.69	AC	2.49	AC
DESIGN DEPTH (D)	3.00	FT	3.00	FT	3.00	FT
BOTTOM OF TRAP AREA (AB)	346	SQ.FT	2,249	SQ.FT	1,151	SQ



SPILLWAY WIDTH MIN. BOTTOM WIDTH OF TRIBUTARY SPILLWAY DRAINAGE AREA (AC)