

EROSION CONTROL NOTES

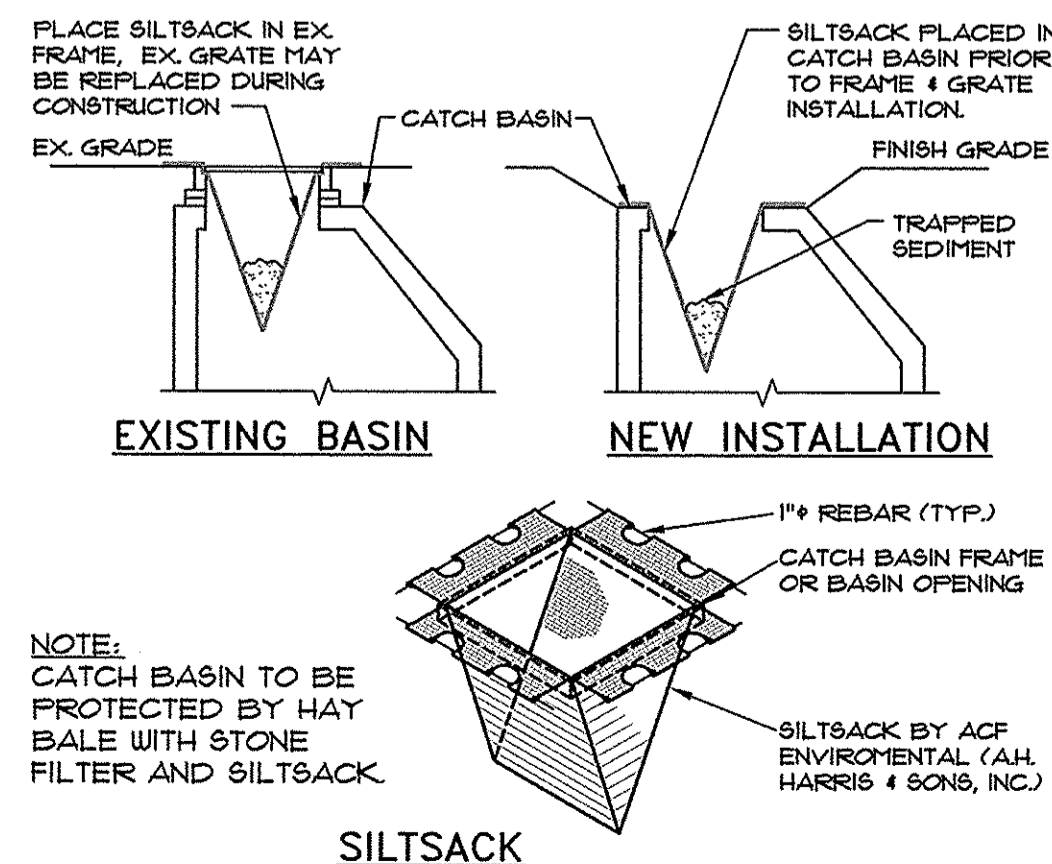
GENERAL:

THE DRAWINGS DEPICT THE REQUIRED SOIL EROSION CONTROL MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE CONSTRUCTION SITE IN SUCH A MANNER THAT:

- 1. SOIL EROSION IS KEPT TO A MINIMUM.
2. NO SEDIMENT LEAVES THE CONSTRUCTION SITE PROPER.
3. ALL POSSIBLE MEASURES ARE EMPLOYED TO PREVENT SEDIMENT FROM ENTERING DRAINAGE COURSES AND WETLANDS EVEN BEYOND THE DETAILS SHOWN ON THIS PLAN IF NECESSARY.
4. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MAINE EROSION AND SEDIMENT CONTROL BYLAW PUBLISHED BY THE BUREAU OF LAND AND WATER QUALITY, MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION, MARCH 2003.
5. THE CONTRACTOR IS RESPONSIBLE FOR ALL FINES RESULTING FROM EROSION OR SEDIMENTATION FROM THE SITE TO SURROUNDING PROPERTIES, WATERBODIES, OR WETLAND AS A RESULT OF THIS PROJECT.
6. LOAM AND SEED ALL DISTURBED AREAS AS SOON AS POSSIBLE AFTER DISTURBANCE, BUT NO LONGER THAN 1 DAY.
7. TEMPORARILY SEED WITHIN 7 DAYS ANY AREA WHICH WILL BE LEFT DISTURBED AND UNWORKED FOR MORE THAN 14 DAYS WITH THE TEMPORARY SEED MIX LISTED BELOW.
8. MULCH ALL AREAS SEEDED SO THAT SOIL IS NOT VISIBLE THROUGH THE MULCH REGARDLESS OF THE APPLICATION RATE.
9. FOLLOW SILT FENCE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS FOR INSTALLATION OF SILT FENCE.
10. PLACE AND GRADE LOAM IN A REASONABLY UNIFORM MANNER.
11. ALL CATCH BASINS, NEW OR EXISTING, THAT MAY RECEIVE RUNOFF FROM DISTURBED AREAS MUST BE PROTECTED BY INSTALLING AND MAINTAINING SILT BAGS DURING CONSTRUCTION.

SUGGESTED SEQUENCE OF CONSTRUCTION TO CONTROL EROSION

- 1. INSTALL PERIMETER SILT FENCE.
2. CLEAR AND GRUB WORK AREAS. TEMPORARILY SEED AREAS NOT TO BE WORKED ON WITHIN 14 DAYS.
3. BEGIN EARTHWORK FOR BUILDING FOUNDATION.
4. STABILIZE AREAS DRAINING TO STORM DRAIN SYSTEM.
5. INSTALL NEW STRUCTURES AND CONNECT STORM DRAIN SYSTEM TO EXISTING SYSTEM.
6. BEGIN BUILDING CONSTRUCTION.
7. FINE GRADE STREET SIDEWALKS AND ROUGH GRADE REMAINDER OF SITE.
8. RESEED OR TEMPORARILY SEED ANY AREA WHICH WILL BE LEFT UNDISTURBED FOR MORE THAN 14 DAYS.
9. COMPLETE FINE GRADING AND INSTALLATION OF SIDEWALKS, REAR WALK AND STREET PAVEMENT REPAIRS.
10. CLEAN STORM DRAIN SYSTEM OF CONSTRUCTION SEDIMENTATION.
11. FINE GRADE, LOAM, SEED AND FERTILIZE REMAINDER OF SITE.
12. REMOVE TEMPORARY SOIL EROSION MEASURES.



3 CATCH BASIN PROTECTION

TOPSOIL:

- 1. SUITABLE TOPSOIL SALVAGED FROM SITE OR SCREENED, LOOSE AND FRIABLE SANDY LOAM OR LOAM AS DEFINED BY THE USDA SOIL CONSERVATION SERVICE CLASSIFICATION SYSTEM.
2. MATERIAL: SAND - 0.02 IN. TO 0.002 IN. DIAMETER (% BY VOLUME) ... 45 - 75 SILT - 0.002 IN. TO 0.0008 IN. DIAMETER (% BY VOLUME) ... 20 - 40 CLAY - LESS THAN 0.0008 IN. DIAMETER (% BY VOLUME) ... 5 - 15
ORGANICS (SHALL MEET THE REQUIREMENTS OF MDOT STANDARD SPECIFICATION TITLE 03 FEAT HUMUS) (% BY VOLUME) ... 10 - 20
NUTRIENTS: CALCIUM (CA) (% SATURATION) ... 60 - 80 MAGNESIUM (MG) (% SATURATION) ... 10 - 25 POTASSIUM (K) (% SATURATION) ... 21 - 30 PHOSPHORUS (P) (POUNDS/ACRE) ... 10 - 40 PH ... 6.0 - 6.5
PERMEABILITY (INCHES PER HOUR) ... 3 - 10
MAXIMUM STONE SIZE (INCHES) ... 3/4

SEEDING:

USE TEMPORARY SEED MIXES AND RATES BETWEEN 5/15 AND 9/30. USE TEMPORARY SEED MIXES FOR PERIODS LESS THAN 12 MONTHS. IF USING TEMPORARY SEED MIXES AND RATES BETWEEN 10/1 AND 5/14, RE-SEED WITH PERMANENT SEED MIX AFTER 5/15.

PERMANENT SEED:

MDOT TITLE 03(A) METHOD NUMBER 3

TEMPORARY SEED:

Table listing seed mixes and rates for various conditions: OATS, ANNUAL RYEGRASS, SUDANGRASS, etc.

LIME AND FERTILIZER:

APPLY GROUND LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE (135 POUNDS PER 1000 SQUARE FEET). APPLY FERTILIZER (10-20-20) AT A RATE OF 800 POUNDS PER ACRE (18.4 POUNDS PER 1000 SQUARE FEET).

MULCH:

Table showing mulch materials and application rates for different areas: STRAW OR HAY, EXCELISIOR MAT, etc.

MULCH ANCHORING:

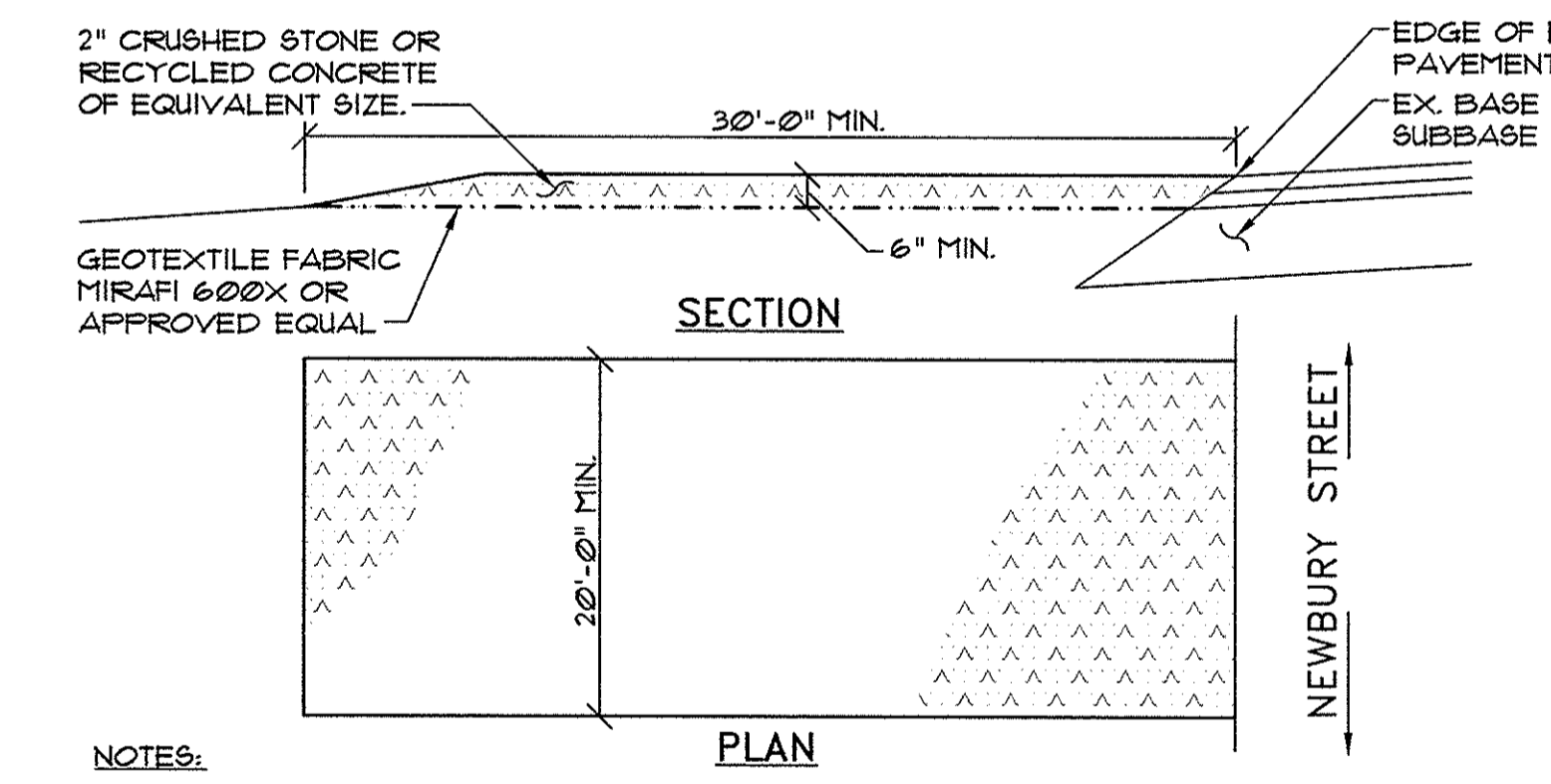
Table showing mulch anchoring materials: PEG AND TWINE, MULCH NETTING, ASPHALT EMULSION.

WINTER CONSTRUCTION:

THE WINTER CONSTRUCTION PERIOD IS FROM NOVEMBER 1 THROUGH APRIL 15. IF THE CONSTRUCTION SITE IS NOT STABILIZED WITH PAVEMENT, A ROAD GRAVEL BASE, 15% MATURE VEGETATION COVER OR RIP RAP BY NOVEMBER 15 THEN THE SITE NEEDS TO BE PROTECTED WITH OVER-WINTER STABILIZATION...

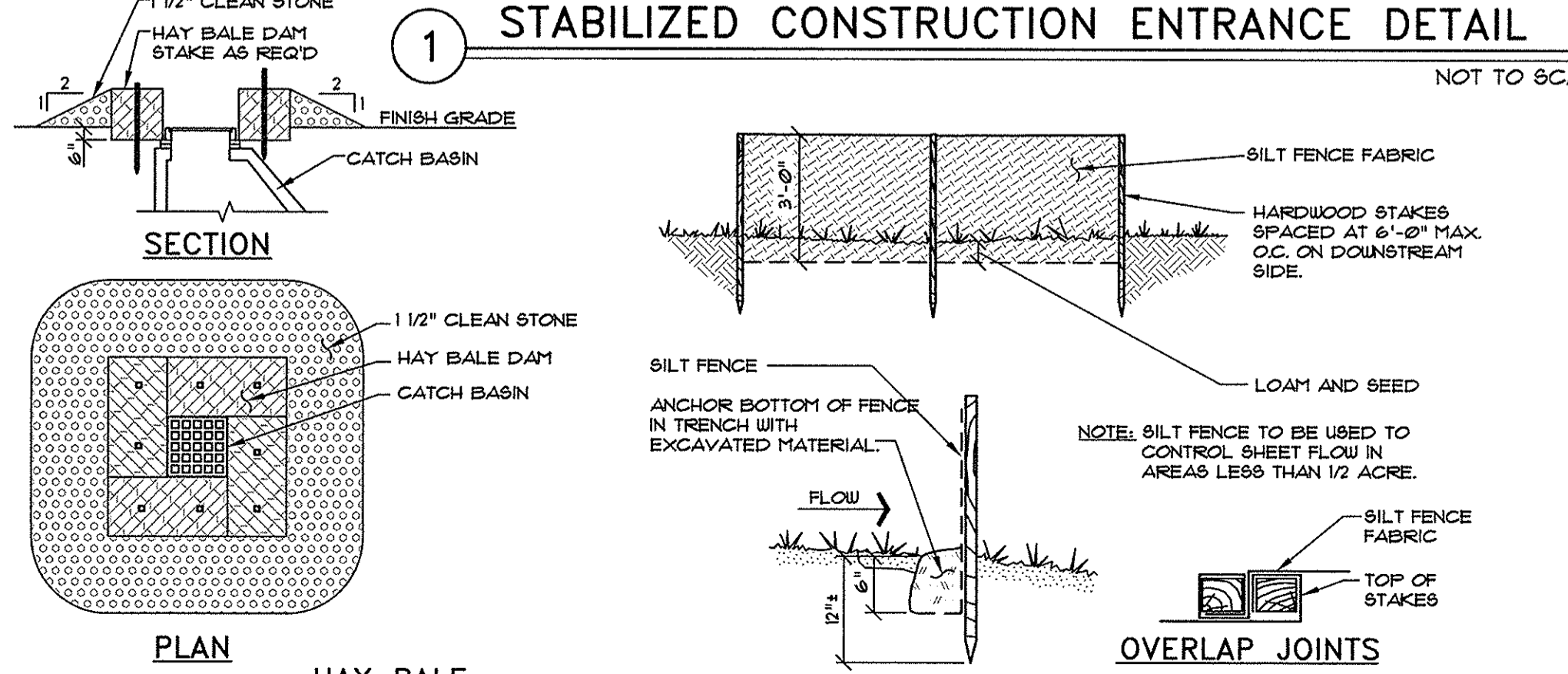
- 1. SOIL STOCKPILES: STOCKPILES OF SOIL OR SUBSOIL WILL BE MULCHED FOR OVER-WINTER PROTECTION WITH HAY OR STRAW AT TWICE THE NORMAL RATE OR AT 150 LBS/1000 SF.
2. SEDIMENT BARRIERS: BETWEEN FROZEN CONDITIONS, SEDIMENT BARRIERS SHALL CONSIST OF EROSION CONTROL MIX SEDIMENT BARRIERS AS FROZEN SOIL PREVENTS THE PROPER INSTALLATION OF HAY BALES AND SEDIMENT SILT FENCES.
3. MULCHING: ALL AREA SHALL BE CONSIDERED TO BE DENIED UNTIL AREAS OF FUTURE LOAM AND SEED HAVE BEEN LOAMED, SEEDED AND MULCHED. HAY AND STRAW MULCH SHALL BE APPLIED AT A RATE OF 150 LBS/1000 SF OR 3 TONS/ACRE...

BETWEEN THE DATES OF NOVEMBER 1 AND APRIL 15, ALL MULCH SHALL BE ANCHORED BY EITHER PEG LINE, MULCH NETTING, ASPHALT EMULSION CHEMICAL TACK, OR WOOD CELLULOSE FIBER...

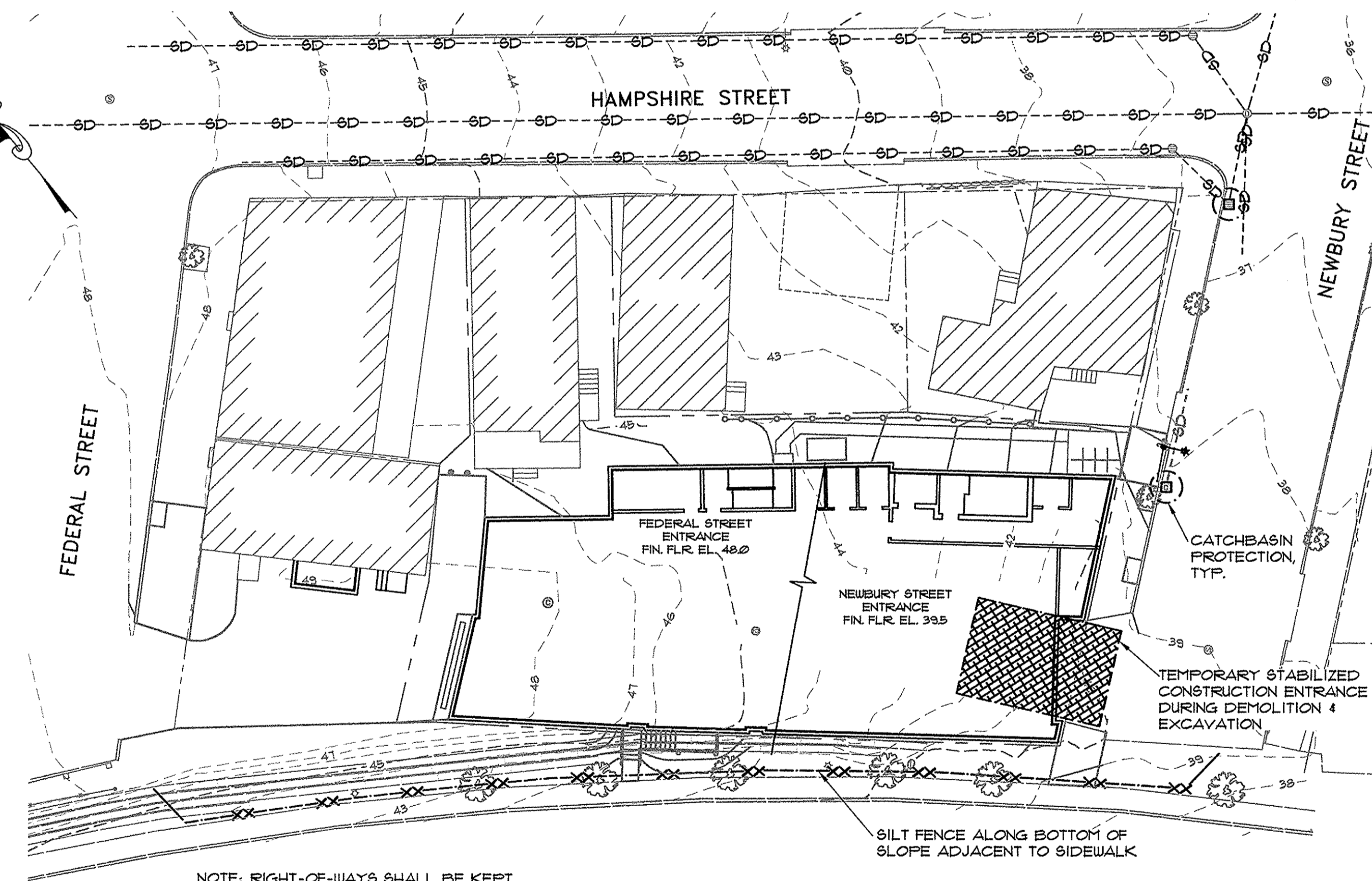


NOTES: 1. MAINTAIN ENTRANCE IN A CONDITION THAT WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. 2. REMOVE STABILIZED CONSTRUCTION ENTRANCE AFTER EXCAVATION IS COMPLETE.

1 STABILIZED CONSTRUCTION ENTRANCE DETAIL NOT TO SCALE



2 SILT FENCE DETAIL NOT TO SCALE



NOTE: RIGHT-OF-WAYS SHALL BE KEPT CLEAN FROM DUST, TRACKED SOIL OR MUD AND CONSTRUCTION DEBRIS AND SWEEP AS NECESSARY OR AS REQUESTED BY THE CITY OF PORTLAND TO MINIMIZE DUST AND SEDIMENT ORIGINATING FROM THE SITE. GRAPHIC SCALE 1 inch = 20 ft.

EROSION CONTROL LEGEND

- (Symbol) CATCH BASIN PROTECTION WITH HAYBALES AND SILTSACK
--- SILT FENCE
--- STABILIZED ENTRANCE

FOR PLAN LEGEND SEE SHEET C1.4

EROSION CONTROL PLAN

SCALE: 1"=20'

Professional seal for Pinkham & Greer Civil Engineers, project information table, and project title: LUMINATO CONDOMINIUMS 169 NEWBURY STREET, PORTLAND, MAINE. EROSION CONTROL PLAN, NOTES AND DETAILS. C1.5