## D. Riprap. For areas stabilized with riprap, permanent stabilization appropriate backing of a well-graded gravel or approved geotextile must be sized appropriately. It is recommended that angular stone E. Vegetated waterway. Upon final grading, the disturbed areas shall be immediately seeded to permanent vegetation and mulched and will not be used as outlets until a dense, vigorous vegetative cover has been obtained. Once soil is exposed for waterway construction, it should be immediately shaped, graded and stabilized. Vegetated waterways need to be stabilized early during the growing season (prior to september 15). If final seeding of waterways is delayed past september 15, emergency provisions such as sod or riprap may be required to stabilize the channel. Waterways should be fully stabilized prior to directing runoff to them. C. Riprap: Since riprap is used where erosion potential is high, construction must be sequenced so that the riprap is put in place with the minimum delay. Disturbance of areas where riprap is to be placed should be undertaken only when final preparation and placement of the riprap can follow immediately behind the initial disturbance. Where riprap is used for outlet protection, the riprap should be placed before or in conjunction with the construction of the pipe or channel so that it is in place when the pipe or channel begins to operate. Maintain temporary riprap, such as temporary check dams until the disturbed area is permanently stabilized. C. Work lime and fertilizer into the soil as nearly as practical to a depth of 4 inches with a disc, spring suitable equipment. The final harrowing operation should be on the general contour. Continue tillage uniform, fine seedbed is prepared. All but clay or silty soils and coarse sands should be rolled to firm the feasible. D. Remove from the surface all stones 2 inches or larger in any dimension. Remove all other cable, tree roots, concrete, clods, lumps or other unsuitable material. B. Apply limestone and fertilizer according to soil tests such as those offered by the university of maine soil testing laboratory. Soil sample mailers are available from the local cooperative extension service office. If soil testing is not feasible on small or variable sites, or where timing is critical, fertilizer may be applied at the rate of 800 pounds per acre or 18.4 pounds per 1,000 square feet using 10-20-20 (n-p2o5-k2o) or equivalent. Apply ground limestone (equivalent to 50% calcium plus magnesium Permanent stabilization defined A. Seeded areas. For seeded areas, permanent stabilization plants with no evidence of washing or rilling of the topsoil. F. Permanent seeding should be made 45 days prior to the first killing frost or as a dormant seeding with mulch after the first killing frost and before snowfall. When crown vetch is seeded in later summer, at least 35% of the seed should be hard seed (unscarified). If seeding cannot be done within the seeding dates, mulch according to the temporary mulching bmp and overwinter stabilization and construction to protect the site and delay seeding until the next recommended seeding period. N. All graded areas shall be permanently stabilized immediately follo B. Sodded areas. For sodded areas, perm soil with no slumping of the sod or die-off. **EROSION AND** The inspecting engineer at his/her discretion, may re egetative provisions to maintain stability of earthworks oviding and installing any supplemental measures as ngineer's directions will result in discontinuation of con Agricultural use. For construction projects on land used for agricultural purposermanent stabilization may be accomplished by returning the disturbed land to emporary stabilization. Stabilize with temporary seeding, mulch, or other non-erodable cover any exposed soils that will ain unworked for more than 14 days except, stabilize areas within 100 feet of a wetland or waterbody within 7 days or to a predicted storm event, whichever comes first. If hay or straw mulch is used, the application rate must be 2 bales 30 pounds) per 1000 sf or 1.5 to 2 tons (90-100 bales) per acre to cover 75 to 90% of the ground surface. Hay mulch be kept moist or anchored to prevent wind blowing. An erosion control blanket or mat shall be used at the base of sed waterways, steep slopes (15% or greater) and on any disturbed soil within 100 feet of lakes, streams and wetlands. Iling shall be planned so as to minimize the length of time between initial soil exposure and final grading. On large projects should be accomplished by phasing the operation and completing the first phase up to final grading and seeding before ing the second phase, and so on. Phase control measures shall be followed by SEDIMENT seeding. If traffic has left the applied in accordance non-structural fills, fill material shall be free of brush, rubbish, aterials that would interfere with or prevent construction of satis of 3 inch nent mulching CONTROL n disturbed areas where permanent, long sediment and runoff, and to enhance the n means that a e to prevent s e be used. , settlement, : ompacted in 尸 Ž area must be tilled and firmed as channel is stal sive lining capa w. There must ng tooth harrow or other e until a reasonably n the seedbed wherever er debris, such as wire, See the vegetation measures for more information Install an erosion control blanket in all drain I ditch lines that have not been stabilized by stabilized with an appropriate stone lining based from this standard by the department. FENCE , ELONGATED ARE NOT ACCEPTABLE IN THE MIX. november 1, or will be worked during the winter construction acked by an appropriate gravel bed or geotextile unless POSTS SECTION B-B seeded at a rate of 3 lbs./1,000 s.F., 10% perennial ryegrass, 20% EROSION CONTROL MIX BERM 6' MAX SPACING WITHOUT WIRE SUPPORT FENCE (10' MAX SPACING WITH WIRE SUPPORT FENCE) FABRIC -BACKFILL WITH EXCAVATED MAT'L OR SELECT BACKFILL AS DIRECTED BY THE ENGINEER 3/4" CRUSHED ———— STONE PIPE BEDDING PIPE SIZE AS ..... TYPICAL NOT TO SCALE TRENCH SECTION PIPE AND TRENCH UNPAVED AREAS

1"=10'	SCALE	07-18-12	DATE	1225	ON BOL	EROSION CONTROL PLAN & DETAILS  12 KENNETH STREET
2	)	JO	7	)	LEEHS	PREPARED FOR RECORD OWNER  MZ PROPERTIES, LLC  126 UNDERWOOD ROAD  FALMOUTH, ME 04105

1/2" O.D.

- VARIABLE DEPTH IN ACCORDANCE TO PIPE DEPTH

- SIDE OF TRENCH
MAY BE SLOPED
BACK TO MEET
SAFETY
REQUIREMENTS
WHERE EXTRA
WIDTH IS
POSSIBLE

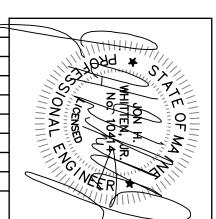
1/2" O.D. + 6"



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Civil Engineering - Land Planning - Stormwater Design - Environmental Permitting

10.	DATE	REVISIONS



JHW

BY