EROSION AND SEDIMENTATION CONTROL PLAN

THIS PLAN HAS BEEN DEVELOPED AS A STRATEGY TO CONTROL SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION OF A 29.724 SF ADDITION TO BAYSIDE BOWL PORTLAND. MAINE. THIS PLAN IS BASED ON THE STORMWATER MANAGEMENT FOR MAINE VOLUME II BMPS TECHNICAL DESIGN MANUAL

THE PROJECT CONSISTS OF CONSTRUCTION OF A PROPOSED 29,724 SF BUILDING ADDITION AND PAVED PARKING LOT. THE ASSOCIATED GRADING DEFINES THE LIMITS OF PROPOSED EARTH MOVEMENT FOR THE DEVELOPMENT. THE HORIZONTAL AND VERTICAL PLACEMENT PROPOSED BUILDING ADDITION AND PARKING LOT HAVE BEEN DESIGNED TO MAXIMIZE THE TOPOGRAPHIC OPPORTUNITIES AVAILABLE.

B. EROSION CONTROL PRACTICES/TEMPORARY MEASURES

THE FOLLOWING TEMPORARY MEASURES TO CONTROL EROSION AND SEDIMENTATION SHALL BE UTILIZED: EACH GROUND AREA, OPENED OR EXPOSED, WHETHER DIRECTLY OR INDIRECTLY DUE TO THE DEVELOPMENT.
SHALL BE MINIMIZED AND SHALL BE STABILIZED WITHIN 15 DAYS OF INITIAL DISTURBANCE OF SOIL AND SHALL BE
PREMANENTLY STABILIZED WITHIN SEVEN DAYS OF FINAL GRADING.
THIS STATEMENT APPLIES TO DISTURBED AREAS BEYOND THE LIMITS OF THE PROPOSED BUILDING. EXPOSED AREAS SHALL BE STABILIZED PRIOR TO A RAIN EVENT.

TEMPORARY SOIL STABILIZATION SHALL BE EITHER BY TEMPORARY MULCHING. TEMPORARY SEEDING. PERMANENT BASE GRAVEL. OR ASPHALT BINDER COURSE AS FOLLOWS:

TEMPORARY SEEDING: SEED SHALL BE AROOSTOOK RYE APPLIED AT 2.60#/1000 SF. LIME SHALL BE AGRICULTURAL GROUND LIMESTONE APPLIED AT 13.8#/1000 SF. FERTILIZER SHALL BE 10-10-10 CLASSIFICATION APPLIED AT 13.8#/1000 SF. MULCH SHALL CONSIST OF HAY AND STRAW MULCH AND SPREAD EVENLY AT A RATE OF 70-90#/1000

TEMPORARY SEEDING SHALL ONLY BE MADE BETWEEN APRIL 15 AND OCTOBER 1, AND SHALL NOT BE

TEMPORARY MULCHING: MULCH SHALL CONSIST OF CHOPPED HAY OR STRAW MULCH AND SPREAD BY MECHANICAL BLOWER EVENLY AT A RATE OF 150-200#/1000 SF. TEMPORARY MULCH SHALL BE REMOVED PRIOR TO PERMANENT SOIL STABILIZATION. MULCH MUST NOT BE PLACED OVER SNOW. SNOW SHALL BE REMOVED PRIOR TO MULCHING

PERMANENT BASE CRAVEL: BASE CRAVEL UNDER PAVEMENT SHALL BE SUITABLE AS TEMPORARY SOIL STABILIZATION UNDER THE FOLLOWING CONDITIONS:

a. SLOPES SHALL BE LESS THAN EIGHT PERCENT;

b. GRAVEL SHALL MEET THE SPECIFICATIONS FOR BASE OR SUBBASE GRAVEL FOR THE PROPOSED COMPLETED PAVEMENT.

ASPHALT BINDER COURSE: ASPHALT BINDER SHALL MEET THE SPECIFICATIONS FOR THE ASPHALT BINDER COURSE TASPHALT BINDER SHALL MEET THE SPECIFICATIONS FOR THE ASPHALT BINDER COURSE FOR THE PROPOSED COMPLETED PAVEMENT.

C. EROSION CONTROL PRACTICES/PERMANENT MEASURES

THE FOLLOWING PERMANENT MEASURES TO CONTROL EROSION AND SEDIMENTATION SHALL BE UTILIZED:

1. PERMANENT SEEDING SHALL BE PERFORMED DURING CONSTRUCTION OPERATIONS AS EACH DISTURBED AREA HAS BEEN BROUGHT TO FINISH GRADE. PERMANENT SEEDINGS SHALL BE MADE AS DORNANT SEEDING AFTER THE FIRST KILLING FROST. DORNANT SEEDING AND MULCH SHALL BE USED AT TWO TIMES THE PERMANENT SEEDING AND MULCHING RATE SHOWN BELOW FOR BOTH LAWN AS WELL AS EMBANKMENTS, SEED, LOAM, LIME, FERTILIZER AND MULCH ARE TO BE AS

SEED: THE SEED MIXTURE SHALL CONSIST OF SEED PROPORTIONED BY WEIGHT. ALL SEED SHALL BE FRESH, CLEAN, "NEW CROP" SEED. HARMLESS NERT MATTER AND WEED SEEDS SHALL BE PERMITTED UP TO ONE PERCENT OF THE GROSS WEIGHT OF EACH VARIETY OF SEED, ALL SEED SUPPLIED SHALL BE PACKED IN APPROVED CONTAINERS BEARING THE MANUFACTURER'S NAME AND ANALYSIS OF CONTENTS. THE FOLLOWING MATERIALS AND APPLICATION RATES SHALL BE REQUIRED FOR PERMANENT SEEDING:

CREEPING RED RESCUE: KENTUCKY BLUEGRASS: 0.69#/1000 SF 0.57#/1000 SF PERENNIAL RYE GRASS: 0.46#/1000 SF REDTOP: 0.12#/1000 5 TOTAL:

LOAM SHALL BE FREE OF GRASSES. ROOTS, LARGE STONE AND INORGANIC DEBRIS. PLACE LOAM AT FOUR INCHES MINIMUM DEPTH OVER ALL DISTURBED AREAS. FINAL GRADING OF ALL LAWN AREAS TO BE APPROVED BY LANDSCAPE ARCHITECT BEFORE SEEDING.

LIME: LIME SHALL BE AGRICULTURAL GROUND LIMESTONE AND APPLIED AS PER RECOMMENDATION OF A STATE COMMERCIAL SOIL TESTING LABORATORY FERTILIZER: FERTILIZER SHALL BE 10-20-20 CLASSIFICATION AND APPLIED AS PER RECOMMENDATION OF A STATE COMMERCIAL SOIL TESTING LABORATORY.

MULCH: MULCH SHALL CONSIST OF HAY OR STRAW MULCH. MULCH SHALL BE SPREAD EVENLY AT A RATE OF TWO AND ONE HALF TONS PER ACRE OVER ALL SEEDING, AFTER APPLICATION.
THE MULCH SHALL BE THOROUGHLY WETTED. N. STEEP AREAS, THE MULCH SHALL BE HELD IN
PLACE BY THE USE OF JUTE EROSION CONTROL NETTING OR APPROVED ALTERNATIVE NETTING
MATERIAL. NOTE: ALL EXPOSED SOIL MUST BE COVERED REGARDLESS OF MULCHING RATES

THE CONTRACTOR SHALL MAINTAIN THE SEEDED AND MULCHED AREAS UNTIL FINAL ACCEPTANCE OR THE WORK, MAINTENANCE SHALL CONSIST OF PROVIDING PROPER WATERING, PROTECTION AGAINST TRAFFIC AND REPAIRING ANY AREAS DAMAGED DUE TO WIND, WATER, EROSION, FIRE OR OTHER CAUSES, SUCH DAMAGED AREAS SHALL BE REPAIRED TO REFSTABLISH THE CONDITION AND GRADE OF THE SOIL PRIOR TO SEEDING AND SHALL THEN BE REFERTILIZED. RESEEDED AND REMULCHED.

D. WINTER CONSTRUCTION

THE WINTER CONSTITUTION PERIOD IS FROM NOVEMBER 1 THROUGH APRIL 15. WINTER EXCAVATION AND EARTHWORK SHALL BE COMPILETED SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE THE LIMIT THE EXPOSED AREA TO THOSE AREAS IN WHICH WORK IS EXPECTED TO BE UNDERTRIVEN DURING THE PROCEEDING 15 DAYS AND THAT CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT. HAY AND STRAW MULCH RATE SHALL BE A INNIHUM OF 150 LBS-/10,000 S.F. C3 TONS-ACRED AND SHALL BE PROPERLY ANCHORED. THE CONTRACTOR SHALL NSTALL ANY ADDED MEASURES WHICH MAY BE NECESSARY TO CONTROL EROSION/SEDIMENTATION FROM THE SITE. DEPENDENT UPON THE ACTUAL SITE AND WEATHER CONDITIONS. CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGN UNTIL THE EXPOSED SOIL SUFFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED, IN ORDER TO MINMIZE AREAS WITHOUT EROSION CONTROL PROTECTION.

E. CONSTRUCTION SEQUENCE

THE GENERAL SEQUENCE OF WORK SHALL BE AS FOLLOWS:

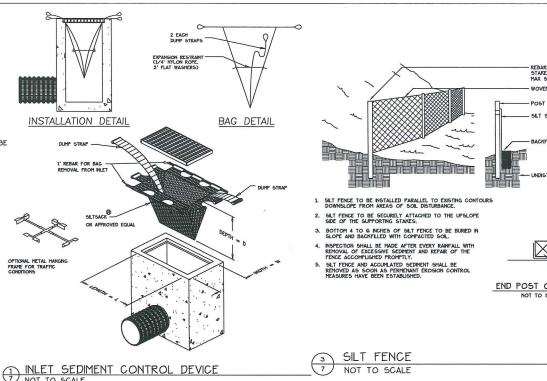
- INSTALL EROSION CONTROL DEVICES. GRADE SITE
- TEMPORARILY STABILIZE DISTURBED AREAS BY MULCHING ALL EXPOSED SOIL WITHIN 15 DAYS OF INITIAL DISTURBANCE.

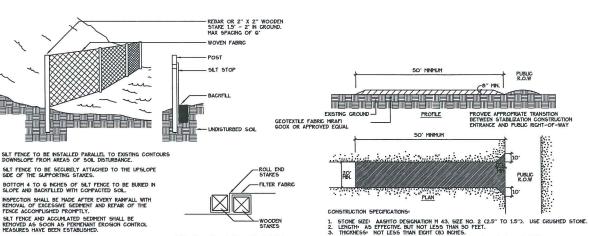
 COMPLETE SITE CONSTRUCTION WORK
- CONSTRUCT PARKING AREA
- I PARINDU FARINDU AREA

 INSTALL PERMANENT VEGETATION ON ALL EXPOSED AREAS WITHIN 15 DAYS OF FINAL GRADING.
 PERFORM CONTINUING MAINTENANCE ON ALL EROSION AND SEDIMENTATION CONTROL DEVICES AND MEASURES.

F. SITE INSPECTION + MAINTENANCE

WEEKLY INSPECTIONS, AS WELL AS ROUTINE INSPECTIONS FOLLOWING RAINFALLS OF 0.5" OVER A WEEKLY INSPECTIONS, AS WELL AS ROUTINE INSPECTIONS FOLLOWING RAINFALLS OF 0.5' OVER A CONSECUTIVE 24-HOUR PERIOD, SHALL BE CONDUCTED BY THE SITE CONTRACTOR OF ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES UNTIL FINAL ACCEPTANCE OF THE PROJECT. NECESSARY REPARS SHALL BE MADE TO CORRECT UNDERNINING OR DETERIORATION. FINAL ACCEPTANCE SHALL INCLUDE A SITE INSPECTION TO VERIFY THE STABILITY OF ALL DISTURBED AREAS AND SLOPES. UNTIL FINAL INSPECTION, ALL EROSION AND SEDMENTATION CONTROL MEASURES SHALL IMMEDIATELY BE CLEANED, AND REPARED BY THE SITE CONTRACTOR AS REQUIRED, DISPOSAL OF ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE SITE CONTRACTOR. CONTINUED TEMPORARY MAINTENANCE AND LONG TERM PROVISIONS FOR PERMANENT MAINTENANCE OF ALL EROSION AND SEDMENTATION CONTROL FACILITIES AFTER ACCEPTANCE OF THE PROJECT SHALL BE THE RESPONSIBILITY OF BOPO, LLC OR ASSIGNS.





NOT TO SCALE

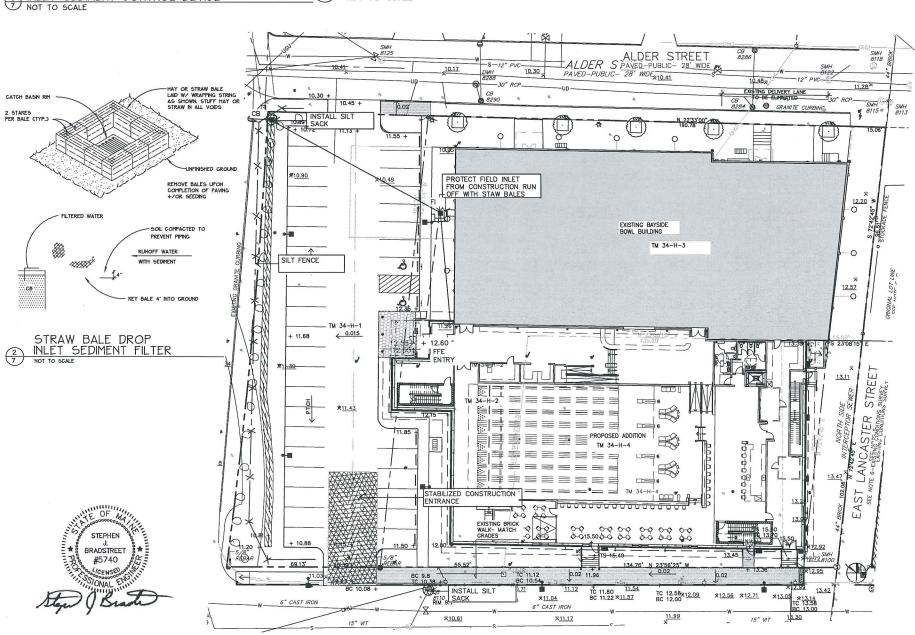
THICRUSESS TOT LESS THAN EIGHT CO NICHES.

WOTH NOT LESS THAN ELGHT CO NICHES.

WASHNO! WHEN NECESSARY, WHESTES SHALL BE CLEAKED TO REHOVE SEDRENT FROR TO ENTRANCE ONTO PUBLIC RICHT-OF-WAY. WHICH WASHNO IS REQUIRED. IT SHALL BE DONE ON AN AREA STABLIZED WITH RUBSHED STONE WHICH DRANS NTO AN APPROVED SEDRIENT TRAP OR SEDRENT BASH, ALL SEDRENT SHALL BE PREVENTED FROM ENTERS ANY STORM DRAN, DITCH, OR WHERECORES THROUGH THE USE OF SAND BAGS, GRAVEL, BOARDS OR OTHER APPROVED NETHODS.

HANTENANCE: THE ENTRANCE SHALL BE MANABED N A CONDITION WHICH WHE PREVENT TRACKING OR FLOWING OF SEDRENT ONTO PUBLIC RICHT-OT-WAY. THIS HAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL SONES AS CONDITIONS DEFINED AND OR TEXA RANOFOR CLEANOUT OF ANY PEASARES USED TO RAP SEDRENT. ALL SEDRENT SHILLED, DROPPED, WASHED, OR TRACKED ONTO PREDIC RICHT-OT-WAY HAS BE REPORTED SHEED.

STABILIZED CONSTRUCTION ENTRANCE



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