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 21,039.94 SF, 30 UNIT, APARTMENT BUILDING IN PORTLAND. MAINE, THIS PLAN IS BASED ON THE STORMWATER MANAGEMENT FOR MAINE VOLUME III BMPS TECHNICAL DESIGN MANUAL DATED JANUARY 2006.

THE PROJECT CONSISTS OF CONSTRUCTION OF A PROPOSED 3-STORY BUILDING WITH A 7,808 SF FOOTPRINT AND PARKING AREA. THE ASSOCIATED GRADING DEFINES THE LIMITS OF PROPOSED EARTH MOVEMENT FOR THE DEVELOPMENT. THE HORIZONTAL AND VERTICAL PLACEMENT PROPOSED BUILDING ADDRION 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 SEDMENTATION SHALL BE UTILIZED: EACH GROUND AREA, GPENED OR EXPOSED, WHETHER DIFFECTLY OR INDIRECTLY DUE TO THE DEVELOPMENT, SHALL BE MINIMIZED AND SHALL BE STABILIZED WITHIN 15 DAYS OF INITIAL DISTURBANCE OF SOIL AND SHALL BE PERMANENTLY STABILIZED WITHIN SEVEN DAYS OF FINIAL 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 BIASE GRAVEL, OR ASPHALT BINDER COURSE AS FOLLOWS:

TEMPORARY SEEDING: SEED SHALL BE AROUSTOOK RYE APPLIED AT 2.60#/1000 SF LIME SHALL BE AGRICULTURAL GROUND LIMESTONE APPLIED AT 138#/1000 SF. FERTILIZER SHALL BE 10-10-10 CLASSIFICATION APPLIED AT 15.8#/1000 SF. MULCH SHALL CONSIST OF HAY AND STRAW MULCH AND SPREAD EVENLY AT A RATE OF 70-904/1000 SF. 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 130-200#/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 GRAVEL: BASE GRAVEL UNDER PAVEMENT SHALL 9E SUITABLE AS TEMPORARY SOIL STABILIZATION UNDER THE FOLLOWING CONDITIONS:

O. SLOPES SHALL BE LESS THAN EIGHT PERGENT;

D. 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 TO 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 DORMANT SEEDING OF THE FIRST KILLING FROST. DORMANT 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 FORLOWS.

SEED: THE SEED MIXTURE SHALL CONSIST OF SEED PROPORTIONED BY WEIGHT. ALL SEED SECU: THE SECU MINIONES SHALL CONSIST OF SECU PROPORTIONED BY WEIGHT. ALL SECU SHALL BE FRESH, CLEAN, "NEW CROP" SEED. HARMLESS INERT MATTER AND WEIGHT SEED SHALL SE 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 APPLICATION RATES SHALL BE REQUIRED FOR PERMANENT SEEDING:

0.69#/1000 SF 0.57#/1000 SF 0.46#/1000 SF CREEPING RED RESCUE: KENTUCKY BLUEGRASS: PERENNIAL RYE GRASS: REDTOP: 0.12 # 21000 SF

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 STAYE COMMERCIAL SOIL TESTING LABORATORY.

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

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 REESTABLISH THE CONDITION AND GRADE OF THE SOIL PRIOR TO SEEDING AND SHALL, THEN BE REFERTILIZED, RESEEDED AND REMULCHED.

D. WINTER CONSTRUCTION

IN MITTER CONSTRUCTION
THE WINTER CONSTRUCTION PERIOD IS FRON 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 CASE THE LIMIT THE EXPOSED AREA TO THOSE AREAS IN WHICH WORK IS EXPECTED TO SE UNDERTRAKEN
DURING THE PROCEEDING 15 DAYS AND THAT CAN SE MULCHED IN ONE CAY PRICE TO ANY SNOW EVENT. HAY
AND STRAW MULCH RATE SHALL DE A MINIMUM OF 150 USS /1700 SF. (3 TOTS/AGRE) AND SHALL BE PROPERLY
ANCHORED. THE CONTRACTOR SHALL INSTALL ANY ADDED MEASURES WHICH MAY SE NECESSARY TO CONTROL
EXCOSION/SEDIMENTATION FROM THE SITE. DEPENDENT UPON THE ACTUAL SITE AND WEATHER COMUNITIONS
CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL
SURPPACE ON THE AREA BEING WORKED HAS GEEN STABILIZED, IN ORDER TO MINIMIZE AREAS WITHOUT EROSON
CONTROL PROFECTION.

E. CONSTRUCTION SEQUENCE

THE GENERAL SEQUENCE OF WORK SHALL BE AS FOLLOWS:

1. INSTALL EROSION CONTROL DEVICES.

2. ORADE SITE.

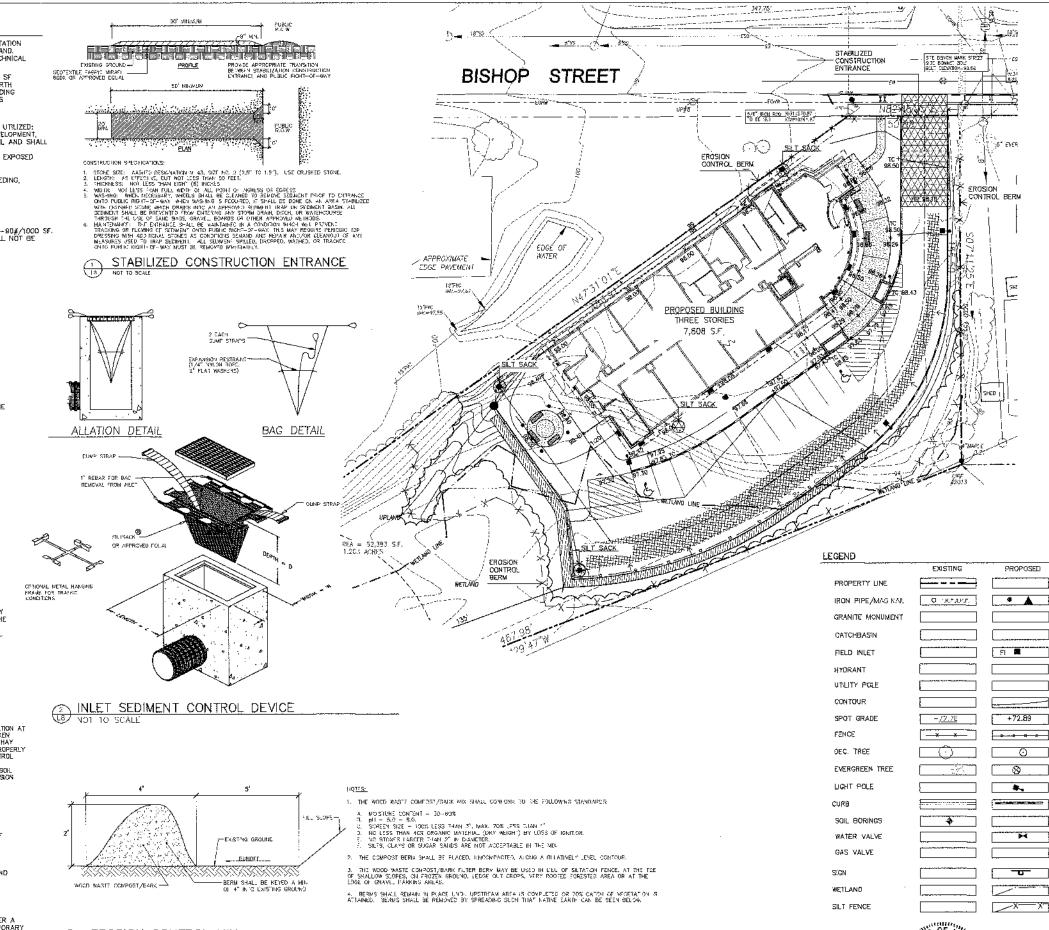
3. TEMPORARILY STABILIZE DISTURBED AREAS BY MULCHING ALL EXPOSED SOIL WITHIN 15 DAYS OF

INITIAL DISTURBANCE.
4. COMPLETE SITE CONSTRUCTION WORK
5. CONSTRUCT PARKING AREA

D. CONSTRUCT PARMANENT VEGETATION ON ALL EXPOSED AREAS WITHIN 15 DAYS OF FINAL GRADING. 7. PERFORM CONTINUING MAINTENANCE ON ALL EROSION AND SEDIMENTATION CONTROL DEVICES AND

F. SITE INSPECTION & MAINTENANCE

HEELTY INSPECTIONS, AS WILL AS ROUTINE INSPECTIONS FOLLOWING RAINFALLS OF 0.8" OVER A CONSECUTIVE 24—HOUR PERIOD, SHALL BE CONDUCTED BY THE SITE CONTRACTOR OF ALL TEMPORARY AND PERMANENT EROSSON CONTROL DEVICES UNTIL FINAL ACCEPTANCE OF THE PROJECT, NECESSARY REPAIRS SHALL BE MADE TO CORRECT UNDERMINING OR DETERIORATION, FINAL ACCEPTANCE SHALL INCLIDE A SITE INSPECTION TO VERREY THE STABLITY OF ALL DISTURBED AREAS AND SLOPES, GIVTLE FINAL INSPECTION, ALE EROSION AND SEDIMENTATION CONTROL MESAURES SHALL IMMEDIATELY BE CLEANED, AND REPAIRED BY THE SITE CONTRACTOR AS REQUIRED. DISPOSAL, OF ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE STE CONTRACTOR.
CONTINUED TEMPORARY MAINTENANCE AND LONG TERM PROVISIONS FOR PERMANENT MAINTENANCE OF ALL EROSION AND SEDIMENTATION. CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE PROJECT SHALL BE



EROSION CONTROL MIX

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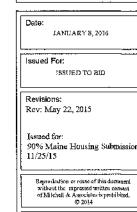
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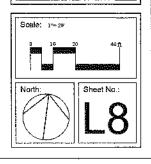
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Title:



EROSION AND

SEDIMENTATION CONTROL

PLAN.