S, UPLAND, OR COASTAL OR FRESHWATER

OF ANY PROTECTED NATURAL RESOURCE. IF
'URAL RESOURCE, AND STORMWATER
; PERIMETER EROSION CONTROLS MUST BE
NATURAL RESOURCE, AND STORMWATER
; PERIMETER EROSION CONTROLS MUST BE
IIN 7 DAYS.

MPORARILY OR PERMANENTLY SEEDED. ANY
RARY MULCH WITHIN 48 HOURS FOLLOWING
Y MULCH WITHIN 7 DAYS OF DISTURBANCE.
VER-WINTER PROTECTION. THE FOLLOWING ARE

MATERIALS. APPLICATION RATE MUST BE 2 BALES
6 OF THE GROUND SURFACE. HAY OR STRAW CAN
AN BE ANCHORED WITH JUTE, WOOD FIBER OR

ANY OF THE FOLLOWING: SHREDDED BARK,
R RAW SOURCE. WOOD OR BARK CHIPS,
EROSION CONTROL MIX CAN BE USED AS A
AINING IN SHEET FLOW. IT CAN BE PLACED WITH
OIL COVERAGE.

% PASSING 0.75 IN. SCREEN

THE FOLLOWING:

AND 3:1 SLOPE

4.0 IN.
5.0 IN.
6.0 IN.

ONTRACTOR SHALL CONSULT WITH THE

OM OF GRASSED WATERWAYS, OR AS OTHERWISE
T WITH THE SOIL AND STAPLED ACCORDING TO

LESS THAN 90% OF THE SOIL SURFACE IS COVERED
ND MULCH ANCHORING MUST BE INSPECTED
CTIONS SHALL TAKE PLACE UNTIL 95% OF THE SOIL
ENTAL PLANTINGS, INSPECT PERIODICALLY
URFACE, AND REPAIR AS NEEDED.

INAL GRADE FOR A PERIOD OF MORE THAN 30
ARY MULCH SHALL BE APPLIED THROUGH THE
ING SEASON THE FOLLOWING YEAR. TO PREPARE
E OF 10-10-10 (N-P205-K20) OR EQUIVALENT AND
CHES IN AREAS THAT HAVE BEEN COMPACTED BY
THE PLANTING WILL TAKE PLACE AS SUMMARIZED

MENDED SEEDING DATES
/15 - 10/1
1 8/15 - 9/15
/1 - 7/1

TIVE COVER OF SOIL SURFACE. IF ANY EVIDENCE
ARY MEASURES SHALL BE USED IN THE INTERIM

NGRADIENT EDGE OF ANY AREA TO BE
MENT BARRIERS INCLUDE ANY OF THE

PLANS AND IN ACCORDANCE WITH
ROPYLENE, NYLON, POLYESTER OR ETHYLENE
G PROTECTION AGAINST ULTRA-VIOLET LIGHT.
L NOT EXCEED 6 FEET. JOINTS IN THE FENCE
AT A SUPPORT POST WITH A MINIMUM 6 INCH
EP, AND THE BOTTOM 6-8 INCHES OF FABRIC
HE FABRIC PRIOR TO BURIAL.

TH THE ENDS OF ADJACENT BALES TIGHTLY
RRIER SHALL BE ENTRENCHED AND BACKFILLED
OODEN STAKES OR STEEL REBAR PER BALE.
LES SHALL BE CHINKED WITH HAY.

AS SPECIFIED ABOVE. THE BERM MUST BE A
HAN 5%. STEEPER SLOPES OR SLOPES GREATER
T THE BASE OF A LONG OR STEEP SLOPE MAY
OVIDE ADDITIONAL STABILIZATION AGAINST HIGH

S ADDITIONAL STABILITY TO AN EROSION
AT RECEIVE CONCENTRATED FLOW.

ES AND STORMWATER PREVENTED RUNNING
NFALL EVENT AND REPAIRED IMMEDIATELY IF
SIGNS OF UNDERCUTTING AT THE CENTER OR
IER, IT MAY BE NECESSARY TO REPLACE THE
ACHES HALF THE BARRIER HEIGHT. AFTER THE
ORM WITH THE EXISTING TOPOGRAPHY AND

MWATER VELOCITIES AS SHOWN ON THE PLANS.
ONJUNCTION WITH SEDIMENT BARRIERS
CASES. CHECK DAMS SHOULD BE NO HIGHER
HAN THE OUTSIDE EDGES. CHECK DAMS SHOULD
ION AS THE TOE OF THE UPSTREAM CHECK DAM.
G RUNOFF TO THEM.

IZED SHALL BE PROTECTED WITH A FILTER UNTIL
OLLOWING ARE ACCEPTABLE BMPS ASSOCIATED

ED AROUND A CATCH BASIN INLET FRAME AND
PEN PIPE (CULVERT) INLETS, FIELD INLETS OR

ASIN INLETS IN PAVED OR GRAVEL ROADWAYS.
ABOVE OR BELOW THE GRATE THAT TRAPS
ATIONS SUCH AS WEATHER CONDITIONS, SLOPES,
ED INTO MAKING A DECISION ON ANY
ND MAINTENANCE SHALL BE STRICTLY ADHERED

GRADING SHALL BE PLANNED SO AS TO MINIMIZE THE LENGTH OF TIME BETWEEN INITIAL SOIL EXPOSURE AND FINAL GRADING. ON LARGE PROJECTS THIS SHOULD BE ACCOMPLISHED BY PHASING THE OPERATION AND COMPLETING THE FIRST PHASE UP TO FINAL GRADING AND SEEDING BEFORE STARTING THE NEXT PHASE. ANY EXPOSED AREA THAT WILL NOT BE FINISH GRADED WITHIN 14 DAYS SHALL BE TREATED WITH MULCH OR PLANTED WITH TEMPORARY VEGETATION. PROVISIONS SHALL BE MADE TO SAFELY CONVEY SURFACE RUNOFF TO STORM DRAINS, PROTECTED OUTLETS OR TO STABLE WATER COURSES TO ENSURE THAT SURFACE RUNOFF WILL NOT DAMAGE SLOPES OR OTHER GRADED AREAS. CUT AND FILL SLOPES THAT ARE TO BE STABILIZED WITH GRASS SHALL NOT BE STEEPER THAN 2:1. AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS OR OTHER OBJECTIONABLE MATERIALS. AREAS SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 INCHES PRIOR TO PLACEMENT OF TOPSOIL. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES. ALL FILLS SHALL BE PLACED AND COMPACTED IN LAYERS NOT TO EXCEED 8 INCHES IN THICKNESS. FILL MATERIAL SHALL BE FREE OF STUMPS, BUILDING DEBRIS AND OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY LIFTS. FROZEN MATERIAL OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILL SLOPES OR STRUCTURAL FILLS. FILL SHALL NOT BE PLACED ON A FROZEN FOUNDATION. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED APPROPRIATELY. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING FINISHED GRADING.

9. TOPSOIL

IF POSSIBLE, TOPSOIL SHALL BE STOCKPILED ON THE PROJECT SITE AND REUSED. HIGH QUALITY TOPSOIL SHALL BE FRIABLE AND LOAMY (LOAM, SANDY LOAM, SILT LOAM, SANDY CLAY LOAM, CLAY LOAM), AND SHALL BE FREE OF DEBRIS, TRASH, STUMPS, ROCKS, ROOTS AND NOXIOUS WEEKS. AFTER THE AREAS TO BE TOPSOILED HAVE BEEN BROUGHT TO GRADE, AND IMMEDIATELY PRIOR TO SPREADING THE TOPSOIL, THE SUBGRADE SHALL BE LOOSENED BY SCARIFYING TO A DEPTH OF AT LEAST 2 INCHES TO ENSURE BONDING WITH SUBSOIL. THE TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED TO A MINIMUM COMPACTED DEPTH OF 4 INCHES. ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS. IT IS NECESSARY TO COMPACT THE TOPSOIL ENOUGH TO ENSURE GOOD CONTACT WITH THE UNDERLYING SOIL, BUT UNDUE COMPACTION IS TO BE AVOIDED.

10. PERMANENT SOIL STABILIZATION

IF THE AREA WILL NOT BE WORKED FOR MORE THAN ONE YEAR OR HAS BEEN BROUGHT TO FINAL GRADE, THEN PERMANENTLY STABILIZE THE AREA WITHIN 7 DAYS BY PLANTING VEGETATION, SEEDING, SOD, OR THROUGH THE USE OF PERMANENT MULCH, OR RIPRAP, OR ROAD SUB-BASE. IF USING VEGETATION FOR STABILIZATION, SELECT THE PROPER VEGETATION FOR THE LIGHT, MOISTURE, AND SOIL CONDITIONS; AMEND AREAS OF DISTURBED SUBSOILS WITH TOPSOIL, COMPOST, OR FERTILIZERS; PROTECT SEEDED AREAS WITH MULCH OR, IF NECESSARY, EROSION CONTROL BLANKETS; AND SCHEDULE SODDING, PLANTING, AND SEEDING SO TO AVOID DIE-OFF FROM SUMMER DROUGHT AND FALL FROSTS. NEWLY SEEDED OR SODDED AREAS MUST BE PROTECTED FROM VEHICLE TRAFFIC, EXCESSIVE PEDESTRIAN TRAFFIC, AND CONCENTRATED RUNOFF UNTIL THE VEGETATION IS WELL-ESTABLISHED WITH 90% COVER BY HEALTHY VEGETATION. IF NECESSARY, AREAS MUST BE REWORKED AND RESTABILIZED IF GERMINATION IS SPARSE, PLANT COVERAGE IS SPOTTY, OR TOPSOIL EROSION IS EVIDENT. ONE OR MORE OF THE FOLLOWING MAY APPLY TO A PARTICULAR SITE.

SEEDED AREAS: TO PREPARE THE SEEDBED, APPLY 10-20-20 FERTILIZER AT A RATE OF 800 POUNDS PER ACRE AND GROUND LIMESTONE AT A RATE OF 3 TONS PER ACRE. WORK THE FERTILIZER AND LIMESTONE INTO THE TOPSOIL TO A DEPTH OF 4 INCHES AND REMOVE ANY STONES, ROOTS OR OTHER VISIBLE DEBRIS. SELECT A SEED MIXTURE THAT IS APPROPRIATE FOR THE SOIL TYPE AND MOISTURE CONTENT AS FOUND AT THE SITE, AND FOR THE AMOUNT OF SUN EXPOSURE AND FOR LEVEL OF USE. REFER TO THE USDA SOIL CONSERVATION SERVICE OR THE LOCAL SOIL AND WATER CONSERVATION DISTRICT FOR APPROPRIATE SEED MIXTURES. APPLY SEED UNIFORMLY IN ACCORDANCE WITH SUPPLIER RECOMMENDATIONS AND IMMEDIATELY COVER WITH MULCH AS DESCRIBED IN THE TEMPORARY MULCHING SECTION OF THIS PLAN.

HYDROSEEDING SHALL BE DONE IN ACCORDANCE WITH SUPPLIERS RECOMMENDATIONS. FOR SEEDED AREAS TO BE PERMANENTLY STABILIZED, 90% OF THE DISTURBED SOIL SHALL BE COVERED WITH MATURE HEALTHY PLANTS WITH NO EVIDENCE OF WASHING OR RILLING OF THE TOPSOIL.

SOD STRIPS SHALL BE LAID AT RIGHT ANGLES TO DIRECTION OF SLOPE OR FLOW OF WATER STARTING AT LOWEST ELEVATION. JOINTS SHALL BE STAGGERED, AND ALL STRIPS SHALL BE ROLLED OR TAMPED INTO PLACE. ON SLOPES, SOD SHALL BE ANCHORED WITH STAPLES, WIRE OR PINS. IRRIGATE SODDED AREA IMMEDIATELY AFTER INSTALLATION. FOR SODDED AREAS TO BE PERMANENTLY STABILIZED, THE ROOTS OF THE SOD MUST BE COMPLETELY BOUND INTO THE UNDERLYING SOIL WITH NO SLUMPING OF THE SOD OR DIE-OFF.

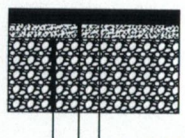
PERMANENT MULCH IS A LONG TERM COVER THAT PROVIDES A GOOD BUFFER AROUND DISTURBED AREAS. THE EROSION CONTROL MIX SHALL CONSIST PRIMARILY OF ORGANIC MATERIAL AND MAY INCLUDE SHREDDED BARK, STUMP GRINDINGS OR COMPOSTED BARK. WOOD CHIPS, GROUND CONSTRUCTION DEBRIS, REPROCESSED WOOD PRODUCTS OR BARK CHIPS ARE NOT ACCEPTABLE. THE EROSION CONTROL MIX SHALL CONTAIN A WELL-GRADED MIXTURE OF PARTICLE SIZES AND MAY CONTAIN ROCKS LESS THAN 4 INCHES IN DIAMETER. EROSION CONTROL MIX MUST BE FREE OF REFUSE, PHYSICAL CONTAMINANTS AND MATERIAL TOXIC TO PLANT GROWTH.

RIPRAP STONE SHALL CONSIST OF SUB-ANGULAR FIELD STONE OR ROUGH UNEVEN QUARRY STONE OF APPROXIMATELY RECTANGULAR SHAPE. THE DEPTH OF STONE SHALL BE A MINIMUM OF 2.2 TIMES THE MAXIMUM STONE DIAMETER. A GRAVEL OR GEOTEXTILE FILTER BLANKET SHALL BE PLACED BETWEEN THE RIPRAP AND UNDERLYING SOIL SURFACE. GRAVEL FILTER BLANKETS SHALL MEET MDOT TYPE-C UNDERDRAIN MATERIAL SPECIFICATIONS AND BE AT LEAST 6 INCHES THICK. GEOTEXTILE FILTER BLANKETS SHALL BE SPECIFIED BASED ON SITE CONDITIONS. RIPRAP SLOPES SHALL BE TOED INTO THE BASE OF THE EMBANKMENT BY EXCAVATING A TRENCH AT THE BOTTOM OF THE SLOPE AND INSTALLING A STABLE BASE OF RIPRAP TO GRADE.

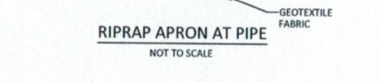
DITCHES, CHANNELS AND SWALES ARE CONSIDERED PERMANENTLY STABILIZED WHEN THE CHANNEL HAS 90% COVER OF HEALTHY VEGETATION WITH A WELL GRADED RIPRAP LINING, EROSION CONTROL BLANKET, OR WITH ANOTHER NON-EROSIVE LINING SUCH AS CONCRETE OR ASPHALT PAVEMENT. THERE MUST BE NO EVIDENCE OF SLUMPING OF THE CHANNEL LINING, UNDERCUTTING OF THE BANKS, OR DOWNCUTTING OF THE CHANNEL.

11. STORMWATER CHANNELS

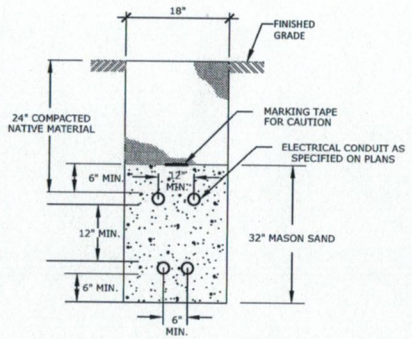
EACH CHANNEL SHOULD BE CONSTRUCTED IN SECTIONS SO THAT THE SECTION'S GRADING, SHAPING, AND INSTALLATION OF THE PERMANENT LINING CAN BE COMPLETED THE SAME DAY. IF A CHANNEL'S FINAL GRADING OR LINING INSTALLATION MUST BE DELAYED, THEN DIVERSION BERMS MUST BE USED TO DIVERT STORMWATER AWAY FROM THE CHANNEL, PROPERLY-SPACED CHECK DAMS MUST BE INSTALLED IN THE CHANNEL TO SLOW THE WATER VELOCITY, AND A TEMPORARY LINING INSTALLED ALONG THE CHANNEL TO PREVENT SCOURING.



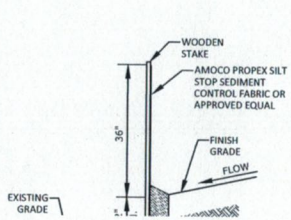
TYPICAL DRIVEWAY SECTION
NOT TO SCALE

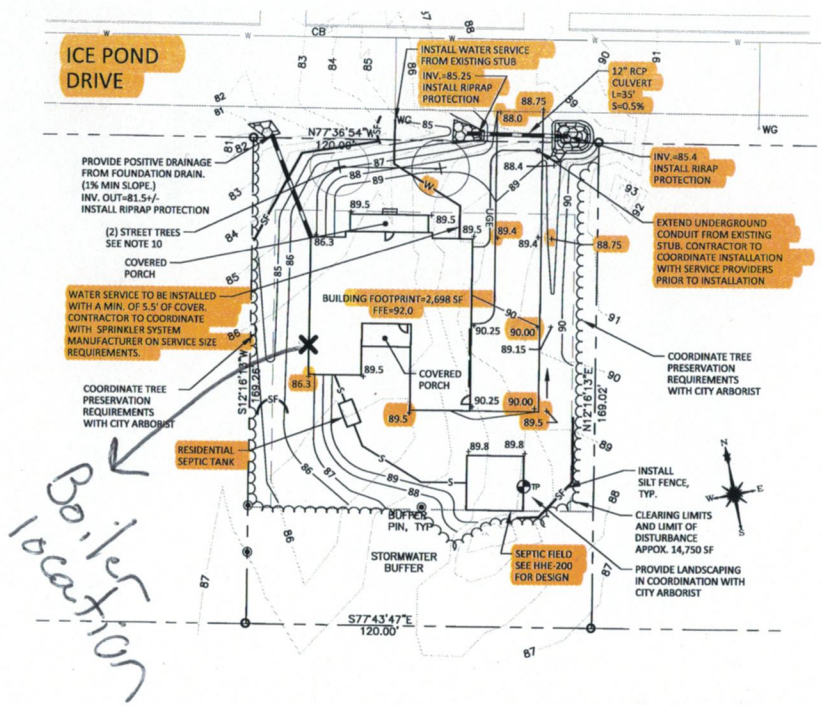


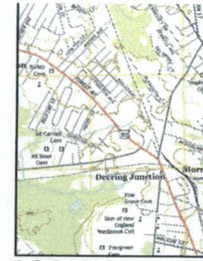
RIPRAP APRON AT PIPE
NOT TO SCALE



TRENCH DETAIL - ELECTRICAL CONDUIT







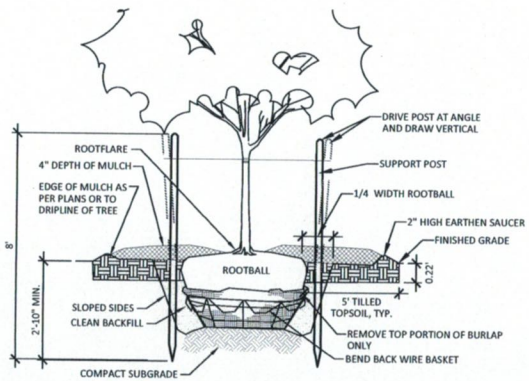
LOCATION MAP
NOT TO SCALE

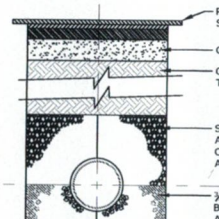
GENERAL NOTES:

1. THE OWNER OF RECORD OF THE PROPE
THE CUMBERLAND COUNTY REGISTRY
2. TOTAL AREA OF THE PARCEL IS APPROX
3. PARCEL TAX MAP REFERENCE: CITY OF
4. PLAN REFERENCES:
A: "SITE PLAN OF EXISTING CONDITI
MAINE, PREPARED FOR EC BUILDERS
LAND SURVEYING CORPORATION.
B: "OLD BARN ESTATES" PREPARED F
LAND SURVEYING AND RECORDED
DEEDS IN PLAN BOOK 213 PAGE 200.
5. HORIZONTAL DATUM: MAINE STATE PL
6. VERTICAL DATUM: NORTH AMERICAN
7. THE PROPERTY IS LOCATED IN THE R-3 F
8. SPACE AND BULK REQUIREMENTS: R-3 I

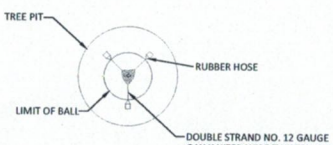
MIN LOT SIZE:
MIN STREET FRONTAGE:
MIN FRONT YARD:
MIN REAR YARD:
MIN SIDE YARD:
MAX BUILDING COVERAGE:
MAX STRUCTURE HEIGHT:

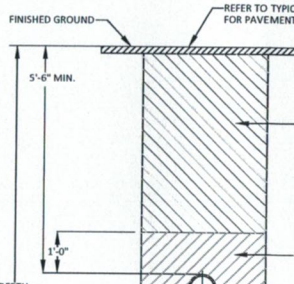
9. PARCEL IS INDICATED AS LOT 6 ON PLAN
10. STREET TRESS SHALL BE ACER TRI-LORU
GREATER THAN 35' O.C. OR CITY OF PO





TYPICAL TRENCH SECTION
NOT TO SCALE



NOTES:
1. SUPPORT STAKES SHALL BE REMOVED BY THE CONTRACTOR ONE YEAR AFTER INSTALLATION

TREE DETAIL
NOT TO SCALE