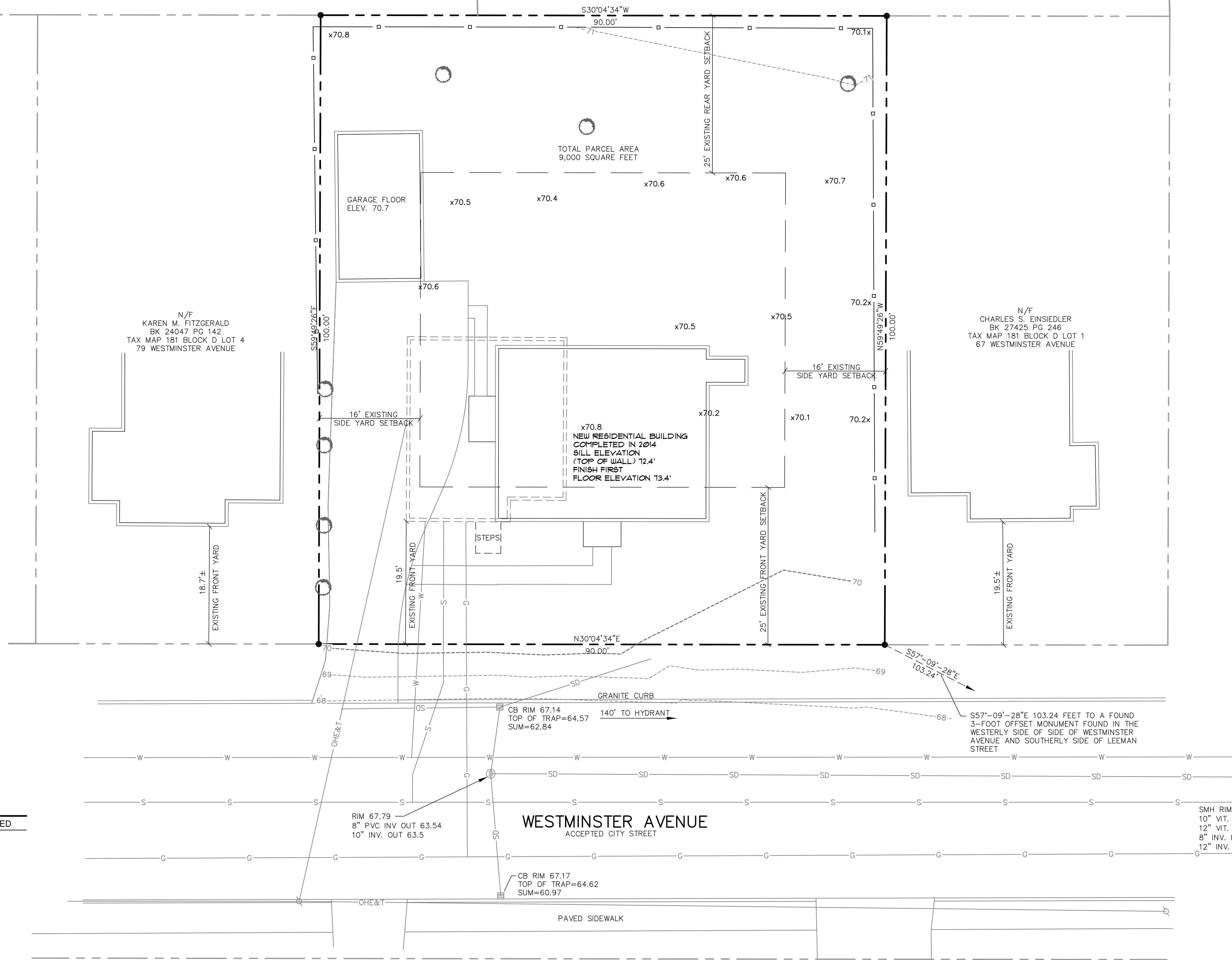


N/F
DARLENE M. ST JOHN
KEVIN C. MURPHY
BK 15901 PG 66
TAX MAP 181 BLOCK D LOT 21
14 MERRIAM STREET

N/F
CHRISTOPHER A. GLEESON
LISA GLEESON
BK 24573 PG 322
TAX MAP 181 BLOCK D LOT 14
35 LEEMAN STREET

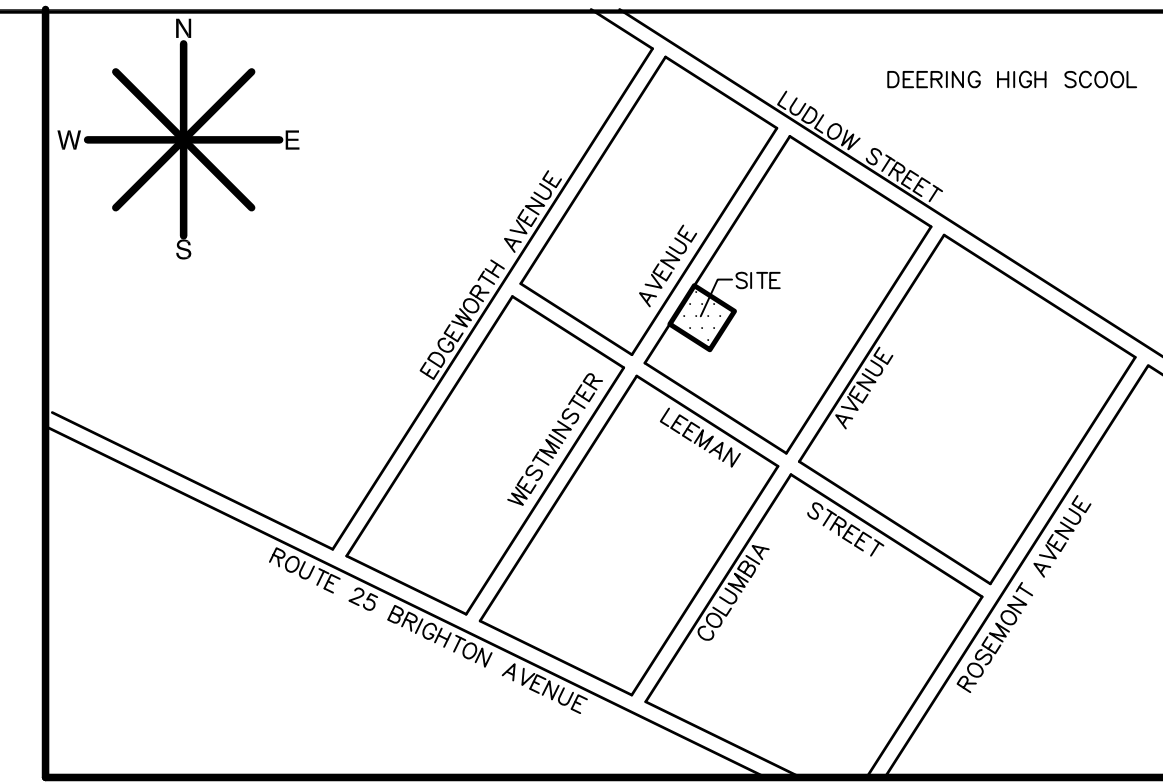
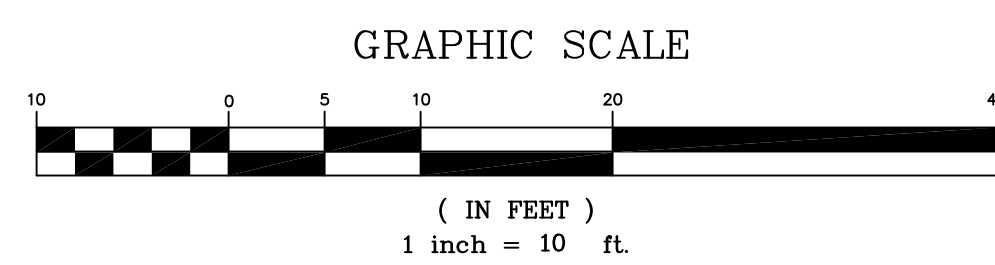
N/F
KAREN M. FITZGERALD
BK 24047 PG 142
TAX MAP 181 BLOCK D LOT 4
79 WESTMINSTER AVENUE

N/F
CHARLES S. EINSIEDLER
BK 27425 PG 246
TAX MAP 181 BLOCK D LOT 1
67 WESTMINSTER AVENUE



LEGEND

EXISTING	DESCRIPTION	PROPOSED
---	BOUNDARY LINE/R.O.W.	---
---	ABUTTER LINE/R.O.W.	---
---	SETBACK	---
□	MONUMENT	□
○	IRON PIPE/ROD	○
▭	BUILDING	▭
---	EDGE PAVEMENT	---
---	CURBLINE	---
---	CONTOURS	---
30.20	SPOT GRADE	30.20
---	STOCKADE FENCE	---
○	TREE/SHRUB	○
○	GAS	○
W	WATER	W
S	SEWER	S
⊙	SEWER MH	⊙
SD	STORM DRAIN	SD
⊕	CATCH BASIN	⊕
⊙	DRAINAGE MH	⊙
○	UTILITY POLE	○
OHE	OVERHEAD ELEC. & TEL.	OHE



LOCATION MAP

N.T.S.

GENERAL NOTES

1) THE RECORD OWNER OF THE PROPERTY IS PAMELA W. CASSIDY AS DESCRIBED IN A DEED OF MICHAEL S. CASSIDY DATED JUNE 02, 2003 AND RECORDED AT THE CUMBERLAND COUNTY REGISTRY OF DEEDS IN BOOK 19410 PAGE 3.

RECORD OWNER: PAMELA W. CASSIDY
75 WESTMINSTER AVENUE
PORTLAND, ME 04103

THE APPLICANT IS: PAMELA W. (CASSIDY) BARRINGER
SAM BARRINGER
75 WESTMINSTER AVENUE
PORTLAND, ME 04103

2) THE PROPERTY IS LOCATED ON THE CITY OF PORTLAND TAX MAP 181 SHOWN AS LOT 002 AND 003 IN BLOCK D AND IS LOCATED IN THE R-3 ZONING DISTRICT.

3) THE BEARING AND NORTH ORIENTATION SHOWN HEREON ARE BASED UPON GRID NORTH, NORTH AMERICAN DATUM OF 1983 MAINE WEST ZONE. CONTOURS AND ELEVATIONS ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29). HORIZONTAL AND VERTICAL CONTROL WAS PROVIDED BY THE CITY OF PORTLAND DEPARTMENT OF PUBLIC WORKS ENGINEERING DEPARTMENT. THE SITE BENCHMARK IS A FOUND 3-FOOT OFFSET MONUMENT FOUND AT THE WESTERLY CORNER OF WESTMINSTER AVENUE AND SOUTHERLY LINE OF LUDLOW STREET HAVING AN ESTABLISHED ELEVATION OF 123.6 (NGVD29) AS PROVIDED BY THE CITY OF PORTLAND.

4) PLAN REFERENCES:

A) EDGEWORTH PARK DATED MAY 1926 BY J.A. JONES ENGINEER, RECORDED IN PLAN BOOK II PAGE 11.

B) PLAN OF ROSEMONT MADE FOR MERRIAM HORNE REALTY, CO. DATED FEBRUARY 1928 BY E.C. JORDAN & CO. CIVIL ENGINEERS, RECORDED IN PLAN BOOK II PAGE 123.

C) CITY OF PORTLAND DEPARTMENT OF PUBLIC WORKS WESTMINSTER AVENUE SEWER SEPARATION PROJECT PLAN AND PROFILE STA. 0+00 TO STA. 9+00 "AS-BUILT" ON FILE AT THE CITY OF PORTLAND DEPARTMENT OF PUBLIC WORKS ENGINEERING DEPARTMENT.

D) CITY OF PORTLAND RIGHT OF WAY INFORMATION "BLUE SHEET" FOR WESTMINSTER AVENUE ON FILE AT THE CITY OF PORTLAND PUBLIC WORKS ENGINEERING DEPARTMENT.

5) THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN HEREON IS BASED UPON THE ABOVE GROUND LOCATION OF EXISTING STRUCTURES AND THE LOCATION OF UTILITIES SHOWN ON PLAN 4G REFERENCED ABOVE.

6) THE TOTAL AREA OF THE PROPERTY IS 9,000 SQUARE FEET.

7) THE TOTAL AREA OF EXISTING IMPERVIOUS IS AS FOLLOWS:

EXISTING RESIDENTIAL HOUSE:	980 SF.
EXISTING DECK:	131 SF.
EXISTING GARAGE:	336 SF.
EXISTING PAVEMENT:	1300 SF.
TOTAL IMPERVIOUS:	2247 SF.

8) THE PROPERTY IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA AS IDENTIFIED ON THE FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL NUMBER 230051 0013 B HAVING AN EFFECTIVE DATE OF JULY 11, 1986.

9) THE TOPOGRAPHIC SURVEY WAS COMPLETED DURING DECEMBER OF 2013 WITH APPROXIMATELY 12-INCHES OF SNOW COVER ON THE GROUND. EXISTING FEATURES MAY EXIST THAT WERE NOT FIELD LOCATED AND NOT SHOWN ON THIS PLAN AS THESE ITEMS WERE COVERED BY SNOW.

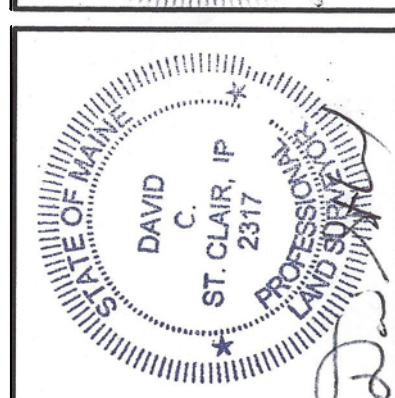
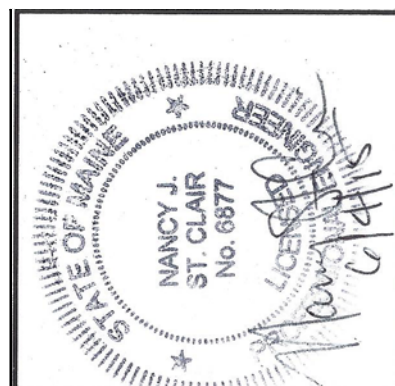
10) THIS PLAN IS BASED UPON A BOUNDARY SURVEY PERFORMED IN ACCORDANCE WITH THE STATE OF MAINE BOARD OF LICENSURE FOR PROFESSIONAL LAND SURVEYORS STANDARDS OF PRACTICE WITH THE EXCEPTION THAT NOT REPORT OF SURVEY HAS BEEN PREPARED, NO NEW LEGAL DESCRIPTION HAS BEEN PREPARED AND THE PROPOSED MONUMENTATION SHOWN HEREON HAS NOT BEEN SET AT THE ISSUANCE OF THIS PLAN.

SPACE & BULK REQUIREMENTS

THE PROPERTY IS LOCATED IN THE R-3 RESIDENTIAL ZONE, THE SPACE AND BULK REQUIREMENTS FOR THE R-3 RESIDENTIAL ZONE ARE LISTED BELOW:

MINIMUM LOT SIZE:	6,500 SF.
MINIMUM STREET FRONTAGE:	50 FEET
MINIMUM FRONT YARD:	25 FEET
MINIMUM REAR YARD:	25 FEET
MINIMUM SIDE YARD:	8 FEET - 1 STORY BUILDING
	8 FEET - 1 1/2 STORY BUILDING
	14 FEET - 2 STORY BUILDING
	16 FEET - 2 1/2 STORY BUILDING
	35%
MAXIMUM LOT COVERAGE:	65 FEET
MINIMUM LOT WIDTH:	35 FEET
MAXIMUM STRUCTURE HEIGHT:	35 FEET

* NOTE: A FRONT YARD NEED NOT EXCEED THE AVERAGE DEPTH OF FRONT YARDS ON EITHER SIDE OF THE LOT. A LOT OF RECORD EXISTING AS OF JUNE 5, 1981, AND LESS THAN 100 FEET DEEP NEED NOT BE DEEPER THAN TWENTY (20%) OF THE DEPTH OF THE LOT.



PROJECT NO.	FIELD BOOK	DESIGN	CHKD	DRAWN
13057	ELECT	NUS	DCS	DCS

ST. CLAIR ASSOCIATES

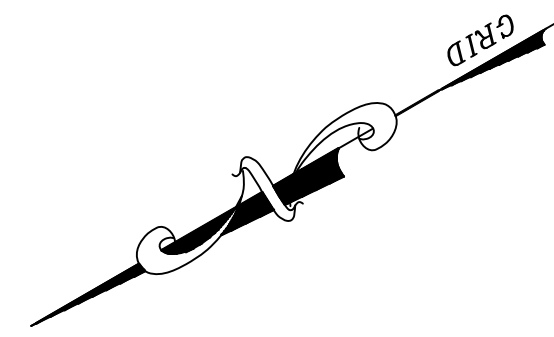
LAND SURVEYING AND CIVIL ENGINEERING
34 Forest Lane
Cumberland, ME 04021
Tel (207) 899-5558

BOUNDARY & TOPOGRAPHIC SURVEY

OF: CASSIDY PROPERTY
75 WESTMINSTER AVENUE
PORTLAND, MAINE

FOR RECORD OWNER:
PAMELA (CASSIDY) BARRINGER
75 WESTMINSTER AVENUE
PORTLAND, ME 04103

DATE	SCALE
12-20-13	1"=10'

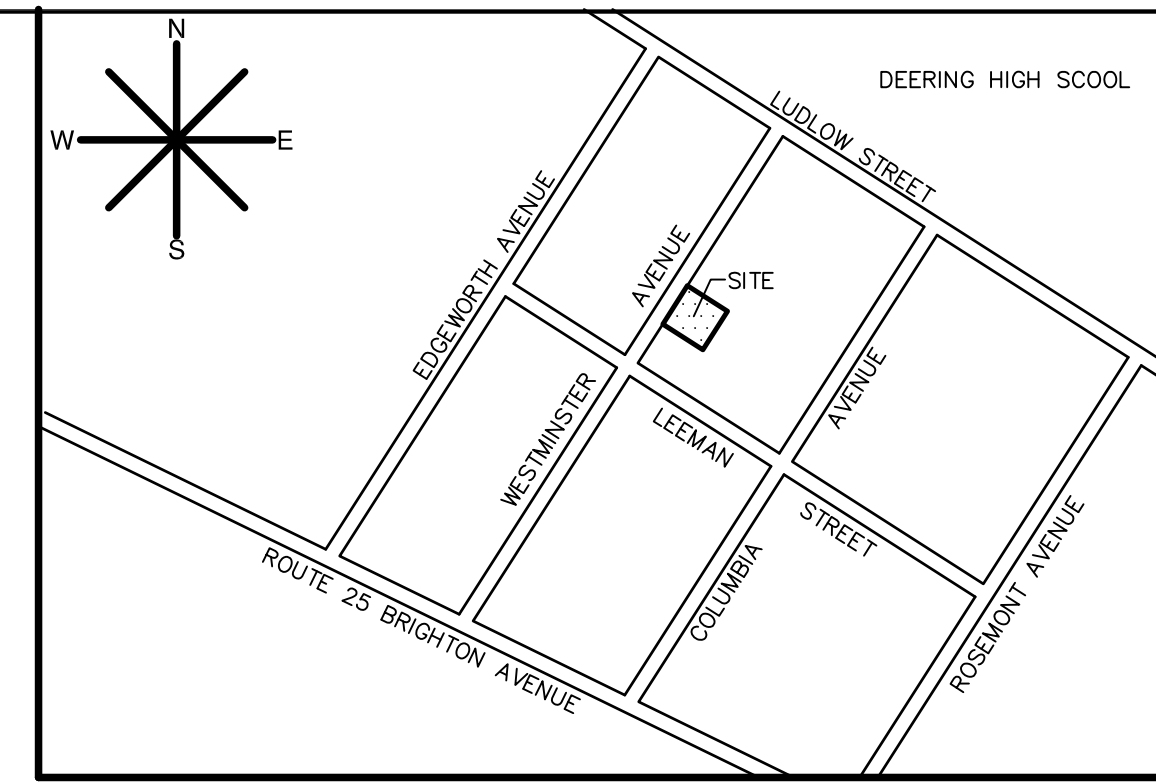


N/F
DARLENE M. ST JOHN
KEVIN C. MURPHY
BK 15901 PG 66
TAX MAP 181 BLOCK D LOT 21
14 MERRIAM STREET

N/F
CHRISTOPHER A. GLEESON
LISA GLEESON
BK 24573 PG 322
TAX MAP 181 BLOCK D LOT 14
35 LEEMAN STREET

N/F
KAREN M. FITZGERALD
BK 24047 PG 142
TAX MAP 181 BLOCK D LOT 4
79 WESTMINSTER AVENUE

N/F
CHARLES S. EINSIEDLER
BK 27425 PG 246
TAX MAP 181 BLOCK D LOT 1
67 WESTMINSTER AVENUE



LOCATION MAP N.T.S.

GENERAL NOTES

1) THE RECORD OWNER OF THE PROPERTY IS PAMELA W. CASSIDY AS DESCRIBED IN A DEED OF MICHAEL S. CASSIDY DATED JUNE 02, 2003 AND RECORDED AT THE CUMBERLAND COUNTY REGISTRY OF DEEDS IN BOOK 13410 PAGE 3.

RECORD OWNER: PAMELA W. CASSIDY
75 WESTMINSTER AVENUE
PORTLAND, ME 04103

THE APPLICANTS ARE: PAMELA W. (CASSIDY) BARRINGER
5471 BARRINGER
75 WESTMINSTER AVENUE
PORTLAND, ME 04103

2) THE PROPERTY IS LOCATED ON THE CITY OF PORTLAND TAX MAP 181 SHOWN AS LOT 002 AND 003 IN BLOCK D AND IS LOCATED IN THE R-3 ZONING DISTRICT.

3) THE BEARING AND NORTH ORIENTATION SHOWN HEREON IS BASED UPON GRID NORTH, NORTH AMERICAN DATUM OF 1983 MAINE WEST ZONE. CONTOURS AND ELEVATIONS ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29). HORIZONTAL AND VERTICAL CONTROL WAS PROVIDED BY THE CITY OF PORTLAND DEPARTMENT OF PUBLIC WORKS ENGINEERING DEPARTMENT. THE SITE BENCHMARK IS A FOUND 3-FOOT OFFSET MONUMENT FOUND AT THE WESTERLY CORNER OF WESTMINSTER AVENUE AND SOUTHERLY LINE OF LUDLOW STREET HAVING AN ESTABLISHED ELEVATION OF 12.36 (NGVD29) AS PROVIDED BY THE CITY OF PORTLAND.

4) PLAN REFERENCES:

- A) EDGEWORTH PARK DATED 1906 BY J.A. JONES ENGINEER, RECORDED IN PLAN BOOK 11 PAGE 11.
- B) PLAN OF ROSEMONT MADE FOR MERRIAM HORNE REALTY, CO. DATED FEBRUARY 1908 BY E.C. JORDAN & CO. CIVIL ENGINEERS, RECORDED IN PLAN BOOK 11 PAGE 123.
- C) CITY OF PORTLAND DEPARTMENT OF PUBLIC WORKS WESTMINSTER AVENUE SEWER SEPARATION PROJECT PLAN AND PROFILE STA. 0+00 TO STA. 9+00 "AS-BUILT" ON FILE AT THE CITY OF PORTLAND DEPARTMENT OF PUBLIC WORKS ENGINEERING DEPARTMENT.
- D) CITY OF PORTLAND RIGHT OF WAY INFORMATION "BLUE SHEET" FOR WESTMINSTER AVENUE ON FILE AT THE CITY OF PORTLAND PUBLIC WORKS ENGINEERING DEPARTMENT.

5) THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN HEREON IS BASED UPON THE ABOVE GROUND LOCATION OF EXISTING STRUCTURES AND THE LOCATION OF UTILITIES SHOWN ON PLAN 4C REFERENCED ABOVE.

6) THE TOPOGRAPHIC SURVEY WAS COMPLETED DURING DECEMBER OF 2013 WITH APPROXIMATELY 12-INCHES OF SNOW COVER ON THE GROUND. EXISTING FEATURES MAY EXIST THAT WERE NOT FIELD LOCATED AND NOT SHOWN ON THIS PLAN AS THESE ITEMS WERE COVERED BY SNOW.

7) THIS PLAN IS BASED UPON A BOUNDARY SURVEY PERFORMED IN ACCORDANCE WITH THE STATE OF MAINE BOARD OF LICENSURE FOR PROFESSIONAL LAND SURVEYORS STANDARDS OF PRACTICE WITH THE EXCEPTION THAT NO REPORT OF SURVEY HAS BEEN PREPARED, NO NEW LEGAL DESCRIPTION HAS BEEN PREPARED AND THE PROPOSED MONUMENTATION SHOWN HEREON HAS NOT BEEN SET AT THE ISSUANCE OF THIS PLAN.

8) THE TOTAL AREA OF THE PROPERTY IS 9,000 SQUARE FEET.

9) THE TOTAL AREA OF EXISTING IMPERVIOUS IS AS FOLLOWS:

EXISTING RESIDENTIAL HOUSE:	980 SF.
EXISTING DECK:	131 SF.
EXISTING GARAGE:	336 SF.
EXISTING PAVEMENT:	1130 SF.
TOTAL IMPERVIOUS:	2241 SF.

10) THE TOTAL AREA OF THE PROPOSED PAVEMENT FOR THE FRONT SIDEWALK, EXTENSION AND DRIVEWAY EXPANSION IS APPROXIMATELY 82 SQUARE FEET. THE EXISTING DRIVEWAY SHALL REMAIN.

11) THE TOTAL AREA OF THE PROPOSED GROUND FLOOR AREA OF THE BUILDING IS APPROXIMATELY 1168 SQUARE FEET (RESIDENCE, DECK/STEPS & BULK-HEAD).

12) THE TOTAL AREA OF THE PROPOSED SITE DISTURBANCE FOR CONSTRUCTION EXCAVATION IS APPROXIMATELY 2500 SQUARE FEET. APPROXIMATELY 1239 SQUARE FEET SHALL BE RETURNED TO ITS PRIOR VEGETATED STATE.

13) THE PROPERTY IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA AS IDENTIFIED ON THE FLOOD INSURANCE RATE (FIRM) COMMUNITY PANEL NUMBER 230251 0213 B HAVING AN EFFECTIVE DATE OF JULY 11, 1986.

14) THE PROPOSED GRADING SHOWN HEREON IS INTENDED ALLOW FOR REDEVELOPMENT OF THE PROPERTY AND NOT INTENDED TO SIGNIFICANTLY CHANGE EXISTING GRADES ON THE PROPERTY.

15) PER THE NATURAL RESOURCE CONSERVATION SERVICE (NRCS) WEB SOIL SURVEY (WSS) THE EXISTING SOILS IN THE AREA OF 75 WESTMINSTER AVENUE, PORTLAND, MAINE ARE IDENTIFIED AS BELGRADE VERY FINE SANDY LOAM.

LANDSCAPE NOTES

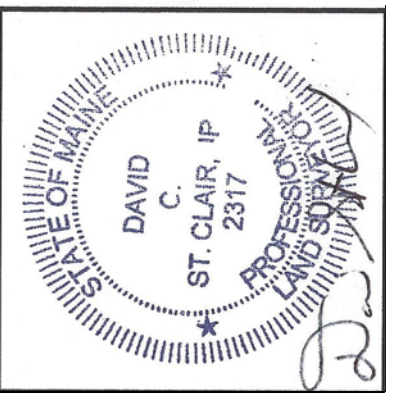
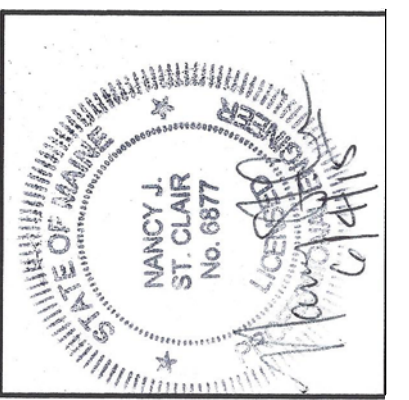
- 1) EXISTING HEALTHY TREES SHALL BE PROTECTED AND RETAINED AS NOTED ON THIS PLAN AND ALONG THE NORTHERLY & EASTERLY SIDELINE TO PROVIDE A BUFFER TO THE ADJUTING PROPERTIES.
- 2) ALL DISTURBED AREAS SHALL BE RAKED & LOAMED, (IF NEEDED) AND SEEDED.
- 3) PROVIDE 2 STREET TREES 25-FEET TO 35-FEET ON CENTER PLANTED WITHIN THE CITY RIGHT OF WAY. TREE SPECIES SHALL BE SELECTED ACCORDING TO THE CITY OF PORTLAND RECOMMENDED TREE LIST (FIGURE IV-1).

SPACE & BULK REQUIREMENTS

THE PROPERTY IS LOCATED IN THE R-3 RESIDENTIAL ZONE, THE SPACE AND BULK REQUIREMENTS FOR THE R-3 RESIDENTIAL ZONE ARE LISTED BELOW:

MINIMUM LOT SIZE:	6500 SF.
MINIMUM STREET FRONTAGE:	50 FEET
MINIMUM FRONT YARD:	25 FEET
MINIMUM REAR YARD:	25 FEET
MINIMUM SIDE YARD:	8 FEET - 1 STORY BUILDING 8 FEET - 1 1/2 STORY BUILDING 14 FEET - 2 STORY BUILDING 16 FEET - 2 1/2 STORY BUILDING
MAXIMUM LOT COVERAGE:	35%
MINIMUM LOT WIDTH:	65 FEET
MAXIMUM STRUCTURE HEIGHT:	35 FEET

* NOTE: A FRONT YARD NEED NOT EXCEED THE AVERAGE DEPTH OF FRONT YARDS ON EITHER SIDE OF THE LOT. RECORDS EXISTING AS OF JUNE 5, 1997, AND LESS THAN 100 FEET DEEP NEED NOT BE DEEPER THAN TWENTY (20%) OF THE DEPTH OF THE LOT.



6-04-15	ADD PROPOSED GARAGE REVISION NOTE 9	STATUS:	FOR REVIEW
1-24-14	ADD STONE DRIP EDGE & NOTE 15	DATE:	12-21-13
1-22-14	ADD BULK-HEAD	BY:	DAVID C. ST. CLAIR
1-22-14	ADJUST HOUSE LOCATION	REV:	12-21-13
1-22-14	ADJUST DRIVEWAY AND HOUSE LOCATION	REV:	12-21-13
1-22-13	ADJUST DRIVEWAY AND HOUSE LOCATION	REV:	12-21-13
1-22-13	ADJUST DRIVEWAY AND HOUSE LOCATION	REV:	12-21-13

ST. CLAIR ASSOCIATES
LAND SURVEYING AND CIVIL ENGINEERING
34 Forest Lane
Cumberland, ME 04021
Tel (207) 899-5558

PROJECT NO. 13067
FIELD BOOK 13067
DESIGN NUS
DRAWN DCS
CHECK DCS
ELECT 13067

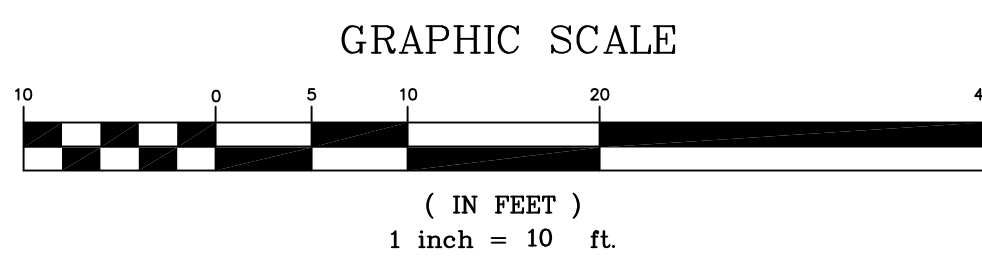
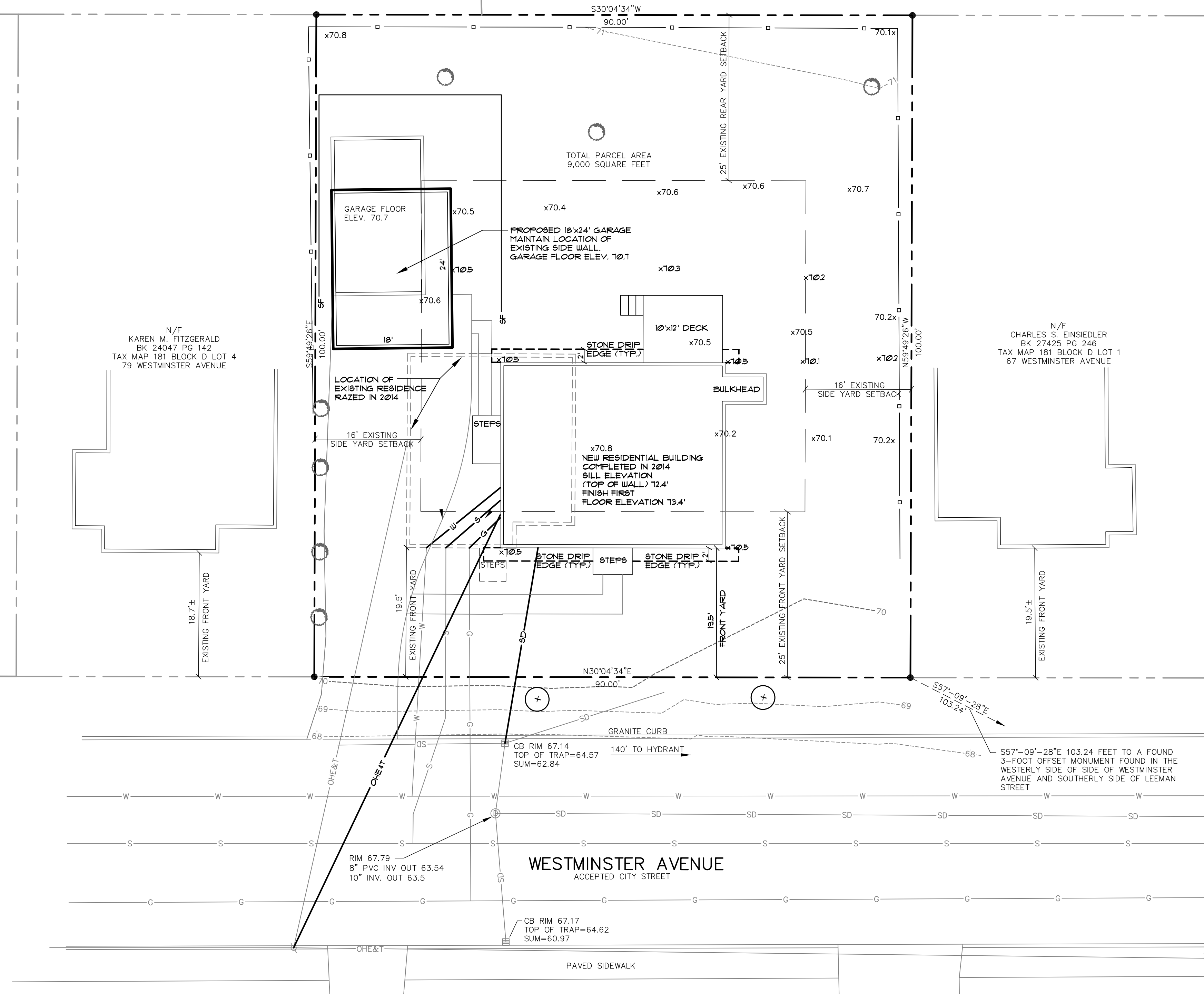
LOT GRADING PLAN
OF:
CASSIDY PROPERTY
75 WESTMINSTER AVENUE
PORTLAND, MAINE
FOR:
PAMELA (CASSIDY) BARRINGER
75 WESTMINSTER AVENUE
PORTLAND, ME 04103

DATE	SCALE
12-20-13	1"=10'

SHEET 2 OF 3

LEGEND

EXISTING	DESCRIPTION	PROPOSED
---	BOUNDARY LINER/O.W.	
---	ABUTTER LINER/O.W.	
---	SETBACK	
---	MONUMENT	
---	IRON PIPE/ROD	
---	BUILDING	
---	STONE DRIP EDGE	
---	EDGE PAVEMENT	
---	EDGE OF FUTURE DRIVEWAY	
---	CURBLINE	
---	CONTOURS	
70.2	SPOT GRADE	+ 70.2
---	STOCKADE FENCE	
G	GAS	G
W	WATER	W
S	SEWER	S
SMH	SEWER MH	SMH
SD	STORM DRAIN	SD
CB	CATCH BASIN	CB
DB	DRAINAGE MH	DB
U	UTILITY POLE	U
OHE	OVERHEAD ELEC. & TEL.	OHE
EF	EROSION CONTROL FENCE	EF
TS	TREE/SHRUB	TS



LEEMAN STREET

EROSION & SEDIMENTATION CONTROL

A. EROSION PREVENTION AND GENERAL HOUSEKEEPING

- MINIMIZATION OF EXPOSED SOIL AREAS. IN ORDER TO PROTECT DOWNGRADIENT AREAS AND BUFFERS, AND TO AVOID POTENTIAL EROSION OF ANY OPEN DRAINAGE CHANNELS, SWALES, OR OTHER NATURAL RESOURCES, THE CONTRACTOR SHALL TAKE NECESSARY AND PHASE EARTHWORKS OPERATIONS TO LIMIT THE AMOUNT OF DISTURBED SOIL TO ONLY WHAT IS ABSOLUTELY NECESSARY TO COMPLY WITH THE PROJECT REQUIREMENTS. CONSTRUCT THE PROPOSED IMPROVEMENTS TO THE EXTENT PRACTICABLE TO RETAIN NATURAL COVER, AND PERMANENTLY STABILIZE AREAS AS SOON AS EARTHWORKS ARE COMPLETED. LESS EXPOSED SOIL RESULTS IN FEWER EROSION CONTROLS TO INSTALL AND MAINTAIN. IF WORK WITH EXPOSED AREAS IS NOT ANTICIPATED TO BEGIN WITHIN TWO WEEKS, THE CONTRACTOR SHALL CONSIDER LEAVING THE AREA IN ITS NATURALLY EXISTING COVER.
- SOIL PREVENTION CONTROLS MUST BE USED TO PREVENT POLLUTANTS FROM BEING DISCHARGED FROM MATERIALS ON SITE, INCLUDING STORAGE MATERIALS, TO THE RECEIVING WATERWAY, AND PREVENT CONTAMINATION AND RESPONSIVE PLANNING AND IMPLEMENTATION.
- GROUNDWATER PROTECTION. DURING CONSTRUCTION, LIQUID PETROLEUM PRODUCTS AND OTHER HAZARDOUS MATERIALS WITH THE POTENTIAL TO CONTAMINATE GROUNDWATER THAT NOT BE STORED OR HANDLED IN AREAS OF THE SITE DRAINING TO AN INFILTRATION AREA. AN "INFILTRATION AREA" IS ANY AREA OF THE SITE THAT BY DESIGN OR AS A RESULT OF SOIL TOPOGRAPHY AND OTHER RELEVANT FACTORS ACCUMULATES RAINFALL THAT INFILTRATES INTO THE SOIL. DITCHES, BARRIERS, AND OTHER FORMS OF SECONDARY CONTAMINATION THAT PREVENT DISCHARGE TO GROUNDWATER MAY BE USED TO ISOLATE PORTIONS OF THE SITE FOR THE PURPOSES OF STORAGE AND HANDLING OF THESE MATERIALS.
- EROSION PREVENTION. EROSION PREVENTION CONTROLS MUST BE USED TO PREVENT EROSION OF EXPOSED SOIL AREAS. EROSION PREVENTION CONTROLS MUST BE USED TO PREVENT EROSION OF EXPOSED SOIL AREAS. EROSION PREVENTION CONTROLS MUST BE USED TO PREVENT EROSION OF EXPOSED SOIL AREAS.
- DEBRIS AND OTHER MATERIALS. LITTER, CONSTRUCTION DEBRIS, AND CHEMICALS EXPOSED TO STORMWATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE.
- NON-STORMWATER DISCHARGES. IDENTIFY AND PREVENT CONTAMINATION BY NON-STORMWATER DISCHARGES.

B. STRUCTURAL AND NON-STRUCTURAL MEASURES

- SEDIMENT BARRIERS.** PRIOR TO SOIL DISTURBANCE, THE CONTRACTOR SHALL PROPERLY INSTALL SEDIMENT BARRIERS ACROSS OR AT THE TOE OF A SLOPE AND AT THE DOWNGRADIENT EDGE OF ANY DISTURBED AREA. SEDIMENT BARRIERS SHALL BE INSTALLED IN LOCATIONS WHERE SEDIMENTATION MAY REDUCE THE PROTECTION SYSTEMS, UPSTREAM OF ADJACENT WETLANDS AND/OR WATERCOURSES, AND OTHER AREAS THAT MAY BE AFFECTED BY SEDIMENT. SEDIMENT BARRIERS SHALL NOT BE USED IN AREAS OF CONCENTRATED FLOOD SEDIMENT BARRIERS MAY BE SILT FENCE OR A BERRY OF EROSION CONTROL MIX, OR OTHER APPROVED FILTER MATERIALS.
- SILT FENCE.** SILT FENCE IS GENERALLY A BERRY OF EROSION CONTROL MIX, OR OTHER APPROVED FILTER MATERIALS, USED FOR 60 DAYS OR LONGER, DEPENDING ON MANUFACTURER'S RECOMMENDATIONS. PROPER INSTALLATION OF SILT FENCE IS CRITICAL TO ITS FUNCTION (SEE DETAIL).
- EROSION CONTROL MIX BERRY.** EROSION CONTROL MIX BERRY IS A MIXTURE OF EROSION CONTROL MIX AND OTHER APPROVED FILTER MATERIALS. IT SHALL CONTAIN A WELL-GRADED MIXTURE OF PARTICLE SIZES AND MAY CONTAIN ROCKS LESS THAN 4" IN DIAMETER. THE MIX COMPOSITION SHALL MEET THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION STANDARDS FOR ORGANIC MATTER AND PARTICLE SIZE BY WEIGHT. SOLUBLE SALTS AND LEACHABLE EROSION CONTROL MIX MUST BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH. THE EROSION CONTROL MIX BERRY MUST BE PLACED ALONG A RELATIVELY LEVEL CONTOUR CUT TALL GRASSES OR WOODY VEGETATION TO AVOID CREATING VOIDS AND BRIDGES THAT WOULD ENABLE FINES TO USH UNDER THE BARRIER.
- CONTAINED BERRY FILTER BERRY.** CONTAINED BERRY FILTER BERRY IS USED IN AREAS WHERE TRENCING IS NOT FEASIBLE SUCH AS OVER FROZEN GROUND OR OVER PAVEMENT. A VEHICLE CAN EVEN PASS OVER IT.
- INSPECTION AND MAINTENANCE.** SEDIMENT BARRIERS ARE EFFECTIVE ONLY IF INSTALLED AND MAINTAINED PROPERLY. IF THERE IS EVIDENCE OF END FLOW ON PROPERLY INSTALLED BARRIERS, THE CONTRACTOR SHALL EXTEND BARRIERS UPHILL OR REPLACE THEM WITH TEMPORARY CHECK DAMS. SEDIMENT BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING FROLOUNGED RAINFALLS. IF THERE ARE SIGNS OF EROSION OR SIGNIFICANT DEGRADATION OF THE BARRIER, REPAIRS SHALL BE MADE IMMEDIATELY. IF THERE ARE SIGNS OF UNDERCUTTING AT THE CENTER OR THE EDGES OF THE BARRIER, OR IMPROVING OF LARGE VOLUMES OF WATER BEHIND THEM, SEDIMENT BARRIERS SHALL BE REPLACED WITH TEMPORARY CHECK DAMS. CHECK DAMS SHALL BE INSTALLED AT THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER SHALL BE REPLACED PROMPTLY. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN DEPOSITS REACHING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHOULD BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED. THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT BARRIERS UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED. SEDIMENT BARRIERS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED.

- TEMPORARY CHECK DAMS.** MUST BE CONSTRUCTED OF EITHER STONE OR CONTAINED BERRY OF EROSION CONTROL MIX. TEMPORARY CHECK DAMS ALSO MAY TRAP SMALL AMOUNTS OF SEDIMENT BUT SHALL NOT BE USED IN PLACE OF SEDIMENT BARRIERS. THE DAM SHALL BE LEFT IN PLACE PERMANENTLY UNLESS REMOVAL IS NECESSARY TO PREVENT DAMAGE TO THE DAM OR TO ADJACENT AREAS. THE DAM SHALL BE CONSTRUCTED FROM A GRASS-LINED CHANNEL, WHICH WILL BE MOVED, THE CONTRACTOR SHALL ENSURE THAT ALL STONES ARE REMOVED, INCLUDING ANY STONES WASHED DOWNSTREAM.
- SIZING AND PLACEMENT.** THE MAXIMUM HEIGHT OF THE CHECK DAM SHALL BE 2 FEET. THE CENTER OF THE CHECK DAM MUST BE AT LEAST 6 INCHES LOWER THAN THE OUTER EDGES. THE MAXIMUM SPACING BETWEEN THE DAMS SHALL BE SUCH THAT THE TOE OF THE UPSTREAM DAM IS AT THE SAME ELEVATION AS THE TOP OF THE CHECK DAM. CHECK DAMS SHALL BE INSTALLED BEFORE THE LATTER PROTECTION ENTRANCE. ON DRAINAGE DITCH SHOULDER CHECK DAMS SHALL BE CONSTRUCTED OF 2 TO 3 INCH STONE, HAND OR MECHANICAL PLACEMENT IS NECESSARY TO PROPERLY INSTALL (SEE DETAIL). THE CONTRACTOR SHALL PROPERLY INSTALL CHECK DAMS TO AVOID UNDERCUTTING AND BYPASS OF THE FLOW AROUND THE CHECK DAMS OF THE CHECK DAMS.
- INSPECTIONS AND MAINTENANCE.** THE CONTRACTOR SHALL MAKE REGULAR INSPECTIONS TO ENSURE THAT THE CENTER OF THE DAM IS LOWER THAN THE EDGES. EROSION CAUSED BY HIGH FLOWS AROUND THE EDGES OF THE DAM SHALL BE CORRECTED IMMEDIATELY. IF EVIDENCE OF SLOTTING IN THE DAM IS APPARENT, THE CONTRACTOR SHALL ADJUST THE DAM TO BE PROPERLY INSTALLED. CHECK DAMS SHALL BE CHECKED FOR SEDIMENT ACCUMULATION AFTER EACH SIGNIFICANT RAINFALL. SEDIMENT MUST BE REMOVED WHEN IT REACHES ONE HALF THE HEIGHT OR BEFORE. IF IT IS POSSIBLE, LEAVE THE DAM IN PLACE PERMANENTLY. THE STONE MAY BE SPREAD ALONG THE DITCH EXIT TO PROVIDE ADDITIONAL PROTECTION.

- STABILIZED CONSTRUCTION ENTRANCE/EXIT.** PRIOR TO THE START OF CONSTRUCTION, IF A STABILIZED CONSTRUCTION ENTRANCE IS NOT ALREADY AVAILABLE, THE CONTRACTOR SHALL INSTALL A STABILIZED CONSTRUCTION ENTRANCE/EXIT AT THE POINT OF ACCESS TO THE EXISTING ROAD. THIS AREA SHALL CONSIST OF A STABILIZED PAD OF AGGREGATE UNDERLAIN WITH FILTER CLOTH. THE CONTRACTOR SHALL MONITOR PAVED AREAS FOR CRACKING OR RAVELING OF THE EXISTING PAVEMENT EDGES IN THE AREA OF ANY UNPROTECTED ENTRANCE. IF THE EXISTING PAVEMENT EDGE SHOWS SIGNS OF IMPACT, THEN THE STABILIZED CONSTRUCTION EXIT SHALL BE USED FOR ALL TRUCKING AND EXISTING CONSTRUCTION VEHICLES. WHEN OR WHENEVER CONSTRUCTION VEHICLES SHALL BE PLACED ON THE STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL CONSIST OF 10' WIDE (MINIMUM) BY 50' LONG (MINIMUM) 6" THICK PAD OF 2-3" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT. THE PAD SHALL EXTEND THE FULL WIDTH OF POINTS WHERE INGRESS OR EGRESS OCCURS. THE EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. WHEN THE STABILIZED PAD BECOMES INEFFECTIVE, THE STONE SHALL BE REMOVED ALONG WITH THE COLLECTED SOIL MATERIAL AND REDISTRIBUTED ON SITE IN A SUITABLE MANNER. NEW ENTRANCE SHALL BE RECONSTRUCTED. THE CONTRACTOR SHALL SUEEF OR WASH PAVEMENT AT THE POINT OF ACCESS TO THE PAVEMENT OR TRAVELED WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING STORM DRAINS, DITCHES, OR WATERWAYS.

- STORMDRAIN INLET PROTECTION.** IF A SEDIMENT FILTER IS INSTALLED ALONG A STORM DRAIN DROP INLET OR CURB INLET TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAINAGE SYSTEM PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA, THE INLET PROTECTION DEVICE SHALL BE CONSTRUCTED IN A MANNER THAT WILL FACILITATE CLEAN-OUT AND DISPOSAL OF TRAPPED SEDIMENTS AND MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES. ANY RESULTANT FLOWING OF STORMWATER MUST NOT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT AREAS OR STRUCTURES.
- MANUFACTURED SEDIMENT BARRIERS AND FILTERS.** INCLUDE VARIOUS TYPES OF SYSTEMS SUCH AS THE 'SILT BAC' OR OTHER MANUFACTURED MATERIALS. THESE MEASURES ARE ACCEPTABLE AS LONG AS THEY ARE INSTALLED, USED, AND MAINTAINED AS SPECIFIED BY THE VENDOR OR MANUFACTURER.
- INSPECTION AND MAINTENANCE OF STORMDRAIN INLET PROTECTION.** THE STRUCTURES SHALL BE INSPECTED BEFORE AND AFTER EACH RAIN EVENT AND REPAIRS AS NEEDED. IF THE FILTER BECOMES CLOGGED WITH SEDIMENT, IT SHALL BE CLEANED IMMEDIATELY. THE FILTER SHALL BE CLEANED AND REPLACED. SEDIMENT SHALL BE REMOVED AND THE STORMDRAIN SEDIMENT FILTER RESTORED TO ORIGINAL OPERATIONAL CONDITION. SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT. SEDIMENT DEPOSITS SHALL BE REMOVED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE. SEDIMENT FILTERS SHALL BE REMOVED AND THE AREA STABILIZED AFTER THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED. THE CONTRACTOR SHALL CLEAN ALL CATCHBASINS AND STORMDRAIN INLETS AT THE END OF CONSTRUCTION AND AFTER THE SITE HAS BEEN FULLY STABILIZED.

- STORMWATER CHANNELS, DITCHES, SWALES, AND OTHER OPEN STORMWATER CHANNELS** MUST BE CONSTRUCTED AND STABILIZED USING MEASURES THAT ACHIEVE LONG-TERM EROSION CONTROL. DITCHES, SWALES, AND OTHER OPEN STORMWATER CHANNELS SHOULD BE CONSTRUCTED IN SECTIONS SO THAT THE GRADING, SHAPING, AND INSTALLATION OF THE PERMANENT LINING ON EACH SECTION CAN BE COMPLETED IN ONE OPERATION. IF A CHANNEL'S FINAL GRADING OR LINING INSTALLATION REQUIRES SEVERAL SECTIONS, THE CONTRACTOR 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, OR A TEMPORARY LINING SHALL BE INSTALLED ALONG THE CHANNEL TO PREVENT SCOURING.
- TRENCH OR FOUNDATION DEWATERING.** ACCUMULATED WATER IN TRENCHES, FOUNDATIONS, PONDS, AND OTHER AREAS THAT RETAIN WATER AFTER EXCAVATION MUST BE CAREFULLY REMOVED TO AVOID DOWNSTREAM IMPACTS DUE TO THE HEAVILY SILTED WATER. THE COLLECTED WATER MUST BE REMOVED FROM THE PONDING AREA, EITHER THROUGH GRAVITY OR PUMPING, AND MUST BE RETURNED TO AREAS THAT ARE SPECIFICALLY DESIGNED TO COLLECT THE MAXIMUM AMOUNT OF SEDIMENT POSSIBLE, LIKE A SEDIMENTATION BASIN OR DEVICE SUCH AS A "DIRT BAG" FILTER OR EQUAL. AVOID ALLOWING THE WATER TO FLOOD OVER DISTURBED AREAS. THE CONTRACTOR SHALL USE A NON-WOVEN GEOTEXTILE SEDIMENT CONTROL BAG SUCH AS A DIRT BAG OR EQUIVALENT IS A PREFERRED OPTION.

- ADDITIONAL REQUIREMENTS.** ADDITIONAL REQUIREMENTS MAY BE REQUIRED BY THE ENGINEER OR INSPECTOR AND SHALL BE APPLIED BY THE CONTRACTOR ON A SITE SPECIFIC BASIS AT NO ADDITIONAL COST.

C. STABILIZATION MEASURES

- TEMPORARY STABILIZATION.** THE CONTRACTOR SHALL STABILIZE ANY EXPOSED SOILS THAT WILL NOT BE WORKED FOR MORE THAN 1 DAYS WITH MULCH OR OTHER NON-ERODIBLE COVER. STABILIZE AREAS WITHIN 15 FEET OF A WETLAND OR WATERBODY WITHIN 48 HOURS OF THE INITIAL DISTURBANCE OF THE SOIL OR PRIOR TO ANY STORM EVENT, WHICHEVER COMES FIRST.
- SOIL STOCKPILES.** STOCKPILES OF SOIL OR SUBSOIL SHALL BE MULCHED WITH HAY OR STRAW AT A RATE OF 15 LBS/1000 SF. (15 TONS PER ACRE) OR WITH A FOUR-INCH LAYER OF EROSION CONTROL MIX. THIS WILL BE DONE WITHIN 24 HOURS OF STOCKING AND RE-STABILIZED PRIOR TO ANY RAINFALL. SOIL STOCKPILES WITHIN 500 FEET FROM ANY NATURAL RESOURCES SHALL BE AVOIDED.
- NATURAL RESOURCES PROTECTION.** ANY AREAS WITHIN 100 FEET FROM ANY NATURAL RESOURCES, IF NOT STABILIZED WITH A MINIMUM OF 15% MATURE VEGETATION CATCH, SHALL BE MULCHED USING TEMPORARY MULCHING WITHIN 1 DAYS OF EXPOSURE OR PRIOR TO ANY STORM EVENT. SEDIMENT BARRIERS SHALL BE PLACED BETWEEN ANY NATURAL RESOURCE AND THE DISTURBED AREA.

- PERMANENT STABILIZATION.** IF THE AREA HAS BEEN BROUGHT TO FINAL GRADE OR WILL NOT BE WORKED FOR MORE THAN ONE YEAR, THE CONTRACTOR SHALL PERMANENTLY STABILIZE THE AREA WITHIN 15 DAYS BY PLANTING VEGETATION, SEEDING, SOIL OR THROUGH THE USE OF PERMANENT MULCH, OR RIPRAP, OR OTHER APPROVED MEASURES. USING VEGETATION FOR STABILIZATION MEANS SEEDING SUBSOILS WITH TOPSOIL, COMPOST, OR FERTILIZERS; PROTECTED SEEDING AREAS WITH MULCH OR, IF NECESSARY, EROSION CONTROL BLANKETS; AND SCHEDULED SOODING PLANTING AND SEEDING TO AVOID DIE-OFF FROM STORM DROUGHT AND FALL FROST. NEARLY SEEDS OR SOODING AREAS MUST BE PROTECTED FROM VEHICLE TRAFFIC, EXCESSIVE PEDESTRIAN TRAFFIC, AND CONCENTRATED RUNOFF UNTIL THE VEGETATION IS WELL-ESTABLISHED. IF GERMINATION IS SPARSE, PLANT COVERAGE IS SPOTTY, OR TOPSOIL EROSION IS EVIDENT THE CONTRACTOR SHALL RESEED AND MULCH THE AREAS ONE OR MORE TIMES OF THE FOLLOWING MAY APPLY TO A PARTICULAR SITE.
 - SEEDING AREAS: FOR SEEDS AREAS, PERMANENT STABILIZATION MEANS A 90% COVER OF HEALTHY PLANTS WITH NO EVIDENCE OF WASHING OR RILLING OF THE TOPSOIL.
 - SOODDED AREAS: FOR SOODDED AREAS, PERMANENT STABILIZATION MEANS THE COMPLETE BINDING OF THE SOO ROOTS INTO THE UNDERLYING SOIL WITH NO SLUFFING OF THE SOO OR DIE-OFF.
- PERMANENT MULCH FOR MULCHED AREAS.** PERMANENT MULCHING MEANS TOTAL COVERAGE OF THE EXPOSED AREA WITH AN APPROVED MULCH MATERIAL. EROSION CONTROL MIX MAY BE USED AS MULCH FOR PERMANENT STABILIZATION ACCORDING TO THE MDPF APPROVED APPLICATION RATES AND LIMITATIONS.
- RIPRAP.** FOR AREAS STABILIZED WITH RIPRAP, PERMANENT STABILIZATION MEANS THAT SLOPES STABILIZED WITH RIPRAP HAVE AN APPROPRIATE BACKING OF A WELL-GRADED GRAVEL OR APPROVED GEOTEXTILE TO PREVENT SOIL MOVEMENT FROM BEHIND THE RIPRAP.
- PAVER AREAS.** FOR PAVEMENT AREAS, PERMANENT STABILIZATION MEANS THE PLACEMENT OF PERMANENT PAVEMENT.
- DITCHES, CHANNELS, AND SWALES.** FOR OPEN CHANNELS, PERMANENT STABILIZATION MEANS THE CHANNEL IS STABILIZED WITH A 90% COVER OF HEALTHY VEGETATION WITH A WELL-GRADED RIPRAP LINING OR WITH ANOTHER NON-EROSIVE LINING SUCH AS CONCRETE OR PAVEMENT. THERE MUST BE NO EVIDENCE OF SLUFFING OF THE CHANNEL LINING OR UNDERCUTTING OF THE CHANNEL BANKS OR DOWNSTREAM OF THE CHANNEL.
- REMOVAL OF STABILIZATION MEASURES:** WITHIN 30 DAYS AFTER PERMANENT STABILIZATION IS ATTAINED THE CONTRACTOR SHALL REMOVE ANY TEMPORARY SEDIMENT CONTROL MEASURES SUCH AS SILT FENCE, ETC. AT GROUND LEVEL TO AVOID ADDITIONAL SOIL DISTURBANCE.

D. TEMPORARY VEGETATION

- THE FOLLOWING SHALL APPLY IN AREAS TO RECEIVE TEMPORARY SEEDING.
 - ANCHORING AS NEEDED AND FEASIBLE TO PERMIT THE USE OF EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCH ANCHORING. INSTALL EROSION CONTROL MEASURES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, SEDIMENT BASINS AND GRASSSED WATERWAYS TO PROTECT NEARLY SEEDS AREAS.
 - APPLY LIMESTONE AND FERTILIZER AT THE RATE OF 600 POUNDS PER ACRE OR 1.8 POUNDS PER 1000 SQUARE FEET USING 10-20-20 (N-P2O5-K2O) OR EQUIVALENT. APPLY LIMESTONE (EQUIVALENT TO 30 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE (138 LB. PER 1000 SQUARE FEET) WHERE THE SOIL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOOSEN SOIL TO A DEPTH OF 2 INCHES BEFORE APPLYING FERTILIZER LINE AND SEED.
 - SEEDING RATES AND DEPTHS SHALL BE AS SPECIFIED ON THE PLAN SET, OR AS IDENTIFIED IN THE SEEDING TABLE BELOW. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER TYPE SEEDER OR HYDROSEEDER (SLURRY INCLUDING SEED AND FERTILIZER). HYDROSEEDING THAT INCLUDES MULCH MAY BE LEFT ON SOIL SURFACE. SEEDING RATES MUST BE INCREASED 10% WHEN HYDROSEEDING.
 - APPLY MULCH OVER SEEDS AREAS.
 - TEMPORARY SEEDING SHALL BE PERIODICALLY INSPECTED, AT A MINIMUM 95% OF THE SOIL SURFACE SHOULD BE COVERED BY VEGETATION. IF ANY EVIDENCE OF EROSION OR SEDIMENTATION IS APPARENT, REPAIRS SHALL BE MADE AND OTHER TEMPORARY MEASURES USED IN THE INTERIM (MULCH, FILTER BARRIERS, CHECK DAMS, ETC.).

TEMPORARY SEEDING TABLE

SEED	Lb./Ac. (7.5 Bu)	SEEDING DEPTH	DEPTH/SEEDING	DATES	NOTES
WINTER RYE	80	(2.5 Bu)	1-1.5 IN	8/15-10/1	GOOD FOR FALL SEEDING, SELECT HARDY SPECIES SUCH AS BROOKS RYE.
OATS	80	(2.5 Bu)	1-1.5 IN	4/1-11 (SPRING) 8/15-9/5 (FALL)	BEST FOR SPRING SEEDING, FALL SEEDING REQUIRES MULCH GROUP QUICKLY BUT IS OF SHORT DURATION. USE WHERE APPEARANCE IS IMPORTANT, CAN BE USED THROUGHOUT GROWING SEASON IF MULCHED.
ANNUAL RYEGRASS	400		2.5 IN	4/1-11	GOOD COVER DURING HOT SUMMER. GOOD COVER LONGER LASTING THAN ANNUAL RYEGRASS. CAN BE USED THROUGHOUT GROWING SEASON. IF MULCHED REFER TO TEMPORARY MULCHING OR PERMANENT VEGETATION.
SUDANGRASS	40	(1.0 Bu)	0.5-1.0 IN	5/15-8/15	
PERENNIAL RYEGRASS	40	(1.0 Bu)	0.25 IN	8/15-9/15	

TEMPORARY MULCH

E. TEMPORARY MULCHING

- APPLY TEMPORARY MULCHING TO PROTECT THE EXPOSED SOIL SURFACE AND AID IN THE GROWTH OF VEGETATION.
 - IN SENSITIVE AREAS (WITHIN 100 FT OF STREAMS, WETLANDS AND IN LAKE WATERBODIES) TEMPORARY MULCH MUST BE APPLIED WITHIN 1 DAYS OF EXPOSING SOIL OR PRIOR TO ANY STORM EVENT.
 - IN OTHER AREAS, THE TIME PERIOD CAN RANGE FROM 14 TO 30 DAYS, DEPENDING ON SITE CONDITIONS (SOIL, ERODIBILITY, SEASON OF YEAR, EXTENT OF DISTURBANCE, PROXIMITY TO SENSITIVE RESOURCES, ETC.) AND THE POTENTIAL IMPACT OF EROSION ON ADJACENT AREAS.
 - AREAS WHICH HAVE BEEN TEMPORARILY OR PERMANENTLY SEEDDED, SHALL BE MULCHED IMMEDIATELY FOLLOWING SEEDING.
 - IF A PORTION OF THE MULCH IS NOT SEEDDED WITHIN THE GROWING SEASON, THE AREA SHOULD BE MULCHED FROM OVER-WINTER PROTECTION, AND THE AREA SHOULD BE SEEDDED AT THE BEGINNING OF THE GROWING SEASON.
- MULCH CAN BE USED IN CONJUNCTION WITH TREE, SHRUB, VINE, AND GROUND COVER PLANTINGS.
- MULCH ANCHORING SHOULD BE USED ON SLOPES GREATER THAN 5% IN LATE FALL (PAST SEPTEMBER 15), AND OVER-WINTER (SEPTEMBER 15 - APRIL 15).
- WHEN MULCH IS APPLIED TO PROVIDE PROTECTION OVER WINTER (PAST THE GROWING SEASON), IT SHOULD BE APPLIED TO A DEPTH OF FOUR INCHES (150-200 LBS. OF HAY PER 1000 SQ. FT. OR DOUBLE STANDARD APPLICATION RATE). SEEDING CANNOT GENERALLY BE EXPECTED TO GROW UP THROUGH THIS DEPTH OF MULCH AND WILL BE SMOOTHERED. IF VEGETATION IS DESIRED, THE MULCH WILL NEED TO BE REMOVED IN THE SPRINGTIME AND THE AREA RESEEDED AND MULCHED.
- ALL MULCHES MUST BE INSPECTED PERIODICALLY, IN PARTICULAR AFTER RAINFALLS, TO CHECK FOR RILL EROSION. IF LESS THAN 90% OF THE SOIL SURFACE IS COVERED BY MULCH, ADDITIONAL APPLIED NETS MUST BE INSPECTED IMMEDIATELY AFTER RAIN EVENTS FOR DISLOCATION OR FAILURE. IF WASHOUTS OR BREAKAGE OCCUR, RE-INSTALL THE NETS AS NECESSARY AFTER REPAIRING DAMAGE TO THE SLOPE. INSPECTIONS SHALL TAKE PLACE UNTIL GRASSES ARE FULLY ESTABLISHED (95% SOIL SURFACE COVERED WITH GRASS).
- WHERE MULCH IS USED IN CONJUNCTION WITH ORNAMENTAL PLANTINGS, INSPECT PERIODICALLY THROUGHOUT THE YEAR TO DETERMINE IF MULCH IS MAINTAINING COVERAGE OF THE SOIL SURFACE. REPAIR AS NEEDED.
- WHEN MULCH IS USED TO PROTECT EXISTING STRUCTURES, PHYSICAL FEATURES, AND MAINTAIN SITE STABILITY, CONTRACTOR SHALL INCLUDE HAY AND STRAW OR EROSION CONTROL MIX.
- HAY AND STRAW
- EROSION CONTROL MIX INCLUDING HAY AND STRAW MUST BE AIR-DRYED FREE OF UNDESIRABLE SEEDS AND COARSE MATERIALS.
- APPLICATION RATE SHALL BE 2 BALES (10-30 POUNDS) PER 1000 SQ. FT. OR 15 TO 1 TONS (30-40 TONS BALES) PER ACRE TO COVER 15 TO 30 % OF THE GROUND SURFACE. HAY/MULCH IS SUBJECT TO WIND BLOWING UNLESS KEPT MOIST OR ANCHORED.
- ANCHORED EROSION CONTROL MIX NETS MUST BE LEFT IN PLACE, VEGETATION ADOPT STABILITY AND SHOULD BE PROMOTED. IF THE MULCH ACCORDING TO MANUFACTURER'S RECOMMENDATION.
- EROSION CONTROL MIX CAN BE MANUFACTURED ON OR OFF THE PROJECT SITE. IT MUST CONSIST PRIMARILY OF ORGANIC MATERIAL AND WILL INCLUDE ANY OF THE FOLLOWING: SHREDDED BARK, STUMP GRINDINGS, COMPOSTED BARK OR OTHER ACCEPTABLE PRODUCTS BASED ON A 100% COVER OF MULCH. MULCH SHALL BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH. THE MIX COMPOSITION SHALL MEET THE MAINE DEP STANDARD.
- EROSION CONTROL MIX SHALL CONTAIN A WELL-GRADED MIXTURE OF PARTICLE SIZES AND MAY CONTAIN ROCKS LESS THAN 4" IN DIAMETER. THE MIX COMPOSITION SHALL MEET THE MAINE DEP STANDARD.
- EROSION CONTROL MIX SHALL BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH. THE MIX COMPOSITION SHALL MEET THE MAINE DEP STANDARD.
- OTHER REINFORCEMENT TYPES (IE. RIPRAP) SHALL BE USED.
- ON STEEPER SLOPES AND SLOPES WITH GROUNDWATER SEEPAGE AND AT LOW POINTS WITH CONCENTRATED FLOWS AND IN GULLIES:

- THE MULCH MAY BE PLACED WITH A HYDRAULIC BUCKET, WITH A PNEUMATIC BLOWER OR BY HAND. IT SHALL BE PLACED EVENLY AND MUST PROVIDE 100% SOIL COVERAGE WITH THE SOIL TOTALLY UNVISIBLE.
- ANY REQUIRED REPAIRS SHOULD BE MADE IMMEDIATELY, WITH ADDITIONAL EROSION CONTROL MIX PLACED ON TOP OF THE MULCH TO REACH THE RECOMMENDED THICKNESS, WHEN THE MIX IS DECOMPOSED, CLOGGED WITH SEDIMENT, ERODED OR INEFFECTIVE, IT MUST BE REPLACED OR REPAIRED. EROSION CONTROL MIX NETS MUST BE LEFT IN PLACE. VEGETATION ADOPT STABILITY AND SHOULD BE PROMOTED. IF THE MULCH NEEDS TO BE REMOVED SPREAD IT OUT INTO THE LANDSCAPE.
- USE MULCH ON SLOPES:
- USING MULCH ON SPRAY-ON EMULSIONS THAT ARE MIXED WITH WATER TO HOLD WOOD FIBER, HYDRO-MULCHES OR STRAW TO THE SOIL SURFACE, THE CONTRACTOR SHALL CONSULT WITH THE MANUFACTURER TO DETERMINE ADEQUATE APPLICATION RATES, ESPECIALLY FOR STEEP SLOPES.
- AVOID APPLICATION DURING WINDY DAYS. A 24-HOUR CURING PERIOD AT A SOIL TEMPERATURE HIGHER THAN 45 DEGREES FAHRENHEIT IS OFTEN REQUIRED.
- APPLICATION SHOULD GENERALLY BE HEAVIEST AT EDGES OF AREAS AND AT CRESTS OF RIDGES AND BANKS TO PREVENT LOSS BY WIND. THE REMAINDER OF THE AREA SHOULD HAVE BINDER APPLIED UNIFORMLY. BINDERS MAY BE APPLIED AFTER MULCH IS SPREAD OR MAY BE APPLIED BEFORE SEEDING RATES WHEN USING THE METHOD.
- EROSION CONTROL, BLANKETS AND MATS:
- MANUFACTURED COMBINATIONS OF MULCH AND NETTING MAY BE USED, DURING THE GROWING SEASON (APRIL 15 - SEPTEMBER 15) USE MATS (OR MULCH AND NETTING) ON:
 - THE BASE OF GRASSSED WATERWAYS
 - STEEP SLOPES (5% OR GREATER)
 - ANY DISTURBED SOIL WITHIN 100 FEET OF LAKES, STREAMS AND WETLANDS
 - MONITOR PAVED AREAS FOR CRACKING OR RAVELING OF THE EXISTING PAVEMENT EDGES IN THE AREA OF ANY UNPROTECTED ENTRANCE.
 - GRADE MATS (OR MULCH AND NETTING) ON:
 - SIDE SLOPES OF GRASSSED WATERWAYS
 - MODERATE SLOPES (5%)
 - THERE MAY BE CASES WHERE MATS WILL BE NEEDED ON SLOPES FLATTER THAN 5%.
 - THE MOST CRITICAL ASPECT OF INSTALLING MATS IS OBTAINING FIRM CONTINUOUS CONTACT BETWEEN THE MAT AND THE SOIL, WITHOUT SUCH CONTACT THE MAT IS USELESS AND EROSION OCCURS. INSTALL MATS AND STAPLE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

F. PERMANENT VEGETATION

- THE FOLLOWING SHALL APPLY IN AREAS TO RECEIVE PERMANENT VEGETATION:
 - SEEDBED PREPARATION.
 - GRADE AS FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION AND MONITOR PAVED AREAS FOR CRACKING OR RAVELING OF THE EXISTING PAVEMENT EDGES IN THE AREA OF ANY UNPROTECTED ENTRANCE.
 - APPLY LIMESTONE AND FERTILIZER AT THE RATE OF 600 POUNDS PER ACRE OR 1.8 POUNDS PER 1000 SQUARE FEET USING 10-20-20 (N-P2O5-K2O) OR EQUIVALENT. APPLY LIMESTONE (EQUIVALENT TO 30 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE (138 LB. PER 1000 SQ. FT.).
 - WORK LINE AND FERTILIZER INTO THE SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC, SPRING TOOTH HARROW OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OPERATION SHOULD BE ON THE GENERAL CONTOUR THROUGHOUT THE ENTIRE AREA. REASONABLY UNIFORM FINE SEEDBED IS PREPARED. ALL BUT CLAY OR SILT SOILS AND COARSE SANDS SHOULD BE ROLLED TO FIRM THE SEEDBED WHEREVER FEASIBLE. REMOVE FROM THE SURFACE ALL STONES 2 INCHES OR LARGER IN ANY DIMENSION.
 - REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CABLE, TREE ROOTS, CONCRETE CLOGS, LIMPS OR OTHER UNSUITABLE MATERIALS.
 - INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACTED, THE AREA MUST BE TILLED AND FIRMED AS ABOVE.
 - SPRING SEEDING USUALLY GIVES THE BEST RESULTS FOR ALL SEED MIXES OR WITH LEGUMES.
 - 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 GROUND VEGET IS SEEDING IN LATER SUMMER, AT LEAST 33% OF THE SEED SHOULD BE HARD SEED (UNSCARIFIED).
 - IF SEEDING CANNOT BE DONE WITHIN THE SEEDING DATES, DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD AND MULCH APPLICATION TO THE TEMPORARY MULCHING REQUIREMENTS AND WINTER STABILIZATION AND CONSTRUCTION METHODS DESCRIBED HEREIN TO PROTECT THE SITE.
 - SEEDING:
 - UNLESS OTHERWISE SPECIFIED WITHIN THE PLAN SET, THE CONTRACTOR SHALL SELECT A SEED MIXTURE THAT IS APPROPRIATE FOR THE SOIL TYPE AND MOISTURE CONTENT AS FOUND AT THE SITE, AND FOR THE AMOUNT OF SOIL EXPOSURE AND LEVEL OF USE.
 - NOGLATE ALL LEGUME SEED WITH THE CORRECT TYPE AND AMOUNT OF INOCULANT.
 - APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER TYPE SEEDER OR HYDROSEEDER.
 - CLOSURE: SEEDING DEPTH IS FROM 1/4 TO 1/2 INCH.
 - HYDROSEEDING WITH MULCH MAY BE LEFT ON SOIL SURFACE.
 - WHERE FEASIBLE, EXCEPT WHERE EITHER A CULTIPACKER TYPE SEEDER OR HYDROSEEDER IS USED, THE SEEDBED SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER OR LIGHT DRAG. SEEDING OPERATIONS SHOULD BE ON THE CONTOUR.
 - APPLY MULCH ACCORDING TO THE TEMPORARY MULCHING REQUIREMENTS DESCRIBED HEREIN. ALL NEARLY SEEDS AREAS WILL NEED MULCHING AND MULCH ANCHORING.
 - HYDROSEEDING:
 - THE CONTRACTOR SHALL PREPARE THE SEEDBED IN THE CONVENTIONAL WAY OR BY HAND RAKING TO LOOSEN AND SMOOTH THE SOIL and TO REMOVE SURFACE STONES LARGER THAN 6 INCHES IN DIAMETER.
 - SLOPES MUST BE NO STEEPER THAN 2 TO 1 (2 FEET HORIZONTALLY TO 1 FOOT VERTICALLY).
 - CLIME AND FERTILIZER MAY BE APPLIED SIMULTANEOUSLY WITH THE SEED.
 - IF THE CONTRACTOR SHALL USE STRAW MULCH AND HOLD IT WITH ADHESIVE.
 - SEEDING RATES MUST BE INCREASED 10% WHEN HYDROSEEDING.
 - DORMANT SEEDING: DORMANT SEEDS NEED TO BE ANCHORED EXTREMELY WELL ON SLOPES, BUT SHOULD NOT BE USED IN DITCH BASES AND AREAS OF CONCENTRATED FLOW.
 - DORMANT SEEDING SHALL NOT BE USED SINCE THIS IS A WATER-SHED SENSITIVE TO WATER QUALITY IMPACTS. THE SITE SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT SEEDING BY SEPTEMBER 15.
 - SOODING: SOODING MAY BE USED BETWEEN SEPTEMBER 15TH AND NOVEMBER 15TH WHEN NEW SEEDING CANNOT BE GUARANTEED. GROUND PREPARATION AND MAINTENANCE ARE AS IMPORTANT WITH SOO AS WITH SEED. LOCATIONS PARTICULARLY SUITED TO STABILIZATION WITH SOO ARE WATERWAYS CARRYING INTERMITTENT FLOW, AREAS AROUND DROP INLETS IN GRASSSED SWALES, AND RESIDENTIAL OR COMMERCIAL LAUNS WHERE AESTHETICS IS A FACTOR.
 - BEFORE LAYING SOO, PROVIDE ADEQUATE DRAINAGE WHERE INTERNAL WATER MOVEMENT, ESPECIALLY AT THE TOE OF SLOPES, MAY CAUSE EROSION OF SOO.
 - PROVIDE THE BEST POSSIBLE SOIL CONDITIONS FOR SOODING. THE DESIRABLE SOIL TEXTURES INCLUDE SANDY LOAM, LOAM, AND SILT LOAM.
 - FILL AREAS MUST BE COMPACTED ENOUGH TO PREVENT UNEVEN SETTLING. THE ENTIRE SURFACE TO BE SOODDED SHALL BE FREE FROM LARGE CLOSURE STONES OR OTHER DEBRIS. LOOSEN SOIL TO A DEPTH OF 1 INCH AND THOROUGHLY DAMPENED. IF NOT ALREADY MOIST, INCORPORATE NEEDED LINE AND FERTILIZER UNIFORMLY. SOO SHALL NOT BE LAID ON DRY SOIL.
 - LAY STRIPS OF SOO AT RIGHT ANGLES TO DIRECTION OF SLOPE OR FLOW OR WATER STARTING AT THE LOWEST ELEVATION. UEDGE THE EDGES OF SOO TOGETHER TO HOLD STRIPS TOGETHER AND TAKE OR ROLL. STAPLE JOINTS MAKE THE TOP OF THE SOO STRIPS FLUSH WITH THE TOP OF THE UNDISTURBED GROUND.
 - WHERE STAPLES, FINE MESH WIRE OR WOOD PINS AND BINDER TUNE ON VERY STEEP SLOPES TO HOLD SOO IN PLACE UNTIL SECURED BY PLANT GROWTH.

CONSTRUCTION NOTES

- SITE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO CONSTRUCTION.
- ALL WORK SHALL CONFORM TO THE APPLICABLE CODES AND ORDINANCES. ALL WORK PERFORMED BY THE GENERAL CONTRACTOR AND/OR TRADE SUBCONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF LOCAL, STATE OR FEDERAL LAWS, AS WELL AS ANY OTHER GOVERNING REQUIREMENTS, WHETHER OR NOT SPECIFIED ON THE DRAWINGS.
- CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIM OR HERSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIM OR HERSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- CONTRACTOR SHALL NOTIFY ENGINEER OF ALL PRODUCTS OR ITEMS NOTED AS "EXISTING" WHICH ARE NOT FOUND IN THE FIELD.

- THE CONTRACTOR IS HEREBY CAUTIONED THAT DIG SAFE NOT BE USED AS A SUBSTITUTE FOR THE INFORMATION PROVIDED BY UTILITY CONTRACTORS. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT DIG SAFE (1-888-DIGSAFE) AT LEAST THREE (3) BUT NOT MORE THAN THIRTY (30) DAYS PRIOR TO COMMENCEMENT OF EXCAVATION OR DEMOLITION TO VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES.
- CONTRACTOR SHALL BE CAUTIONED THAT DIG SAFE ONLY NOTIFIED ITS "MEMBER" UTILITIES ABOUT THE DIG. OTHER UTILITIES MAY BE PRESENT IN THE WORK AREA. WHEN NOTIFIED, DIG SAFE WILL ADVISE CONTRACTOR OF MEMBER UTILITIES IN THE AREA. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND CONTACTING NON-MEMBER UTILITIES DIRECTLY. NON-MEMBER UTILITIES MAY INCLUDE LOCAL WATER AND SEWER DISTRICTS AND SMALL LOCAL UTILITIES.

- CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE REQUIREMENTS OF 33 MRS.A 3360-A (PROTECTION OF UNDERGROUND FACILITIES). IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE APPROPRIATE UTILITIES TO OBTAIN AUTHORIZATION PRIOR TO RELOCATION OF ANY EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS. IF A UTILITY CONFLICT ARISES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER, THE MUNICIPALITY AND APPROPRIATE UTILITY COMPANY PRIOR TO PROCEEDING WITH ANY RELOCATION.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH MAINE EROSION AND SEDIMENTATION CONTROL HANDBOOK FOR CONSTRUCTION. BEST MANAGEMENT PRACTICES PUBLISHED BY THE CUMBERLAND COUNTY SOIL AND WATER CONSERVATION DISTRICT AND MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION, 2003 OR LATEST EDITION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO POSSESS A COPY OF THE EROSION CONTROL PLAN AT ALL TIMES.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL. ANY UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ATTENTION OF THE ENGINEER.

- INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND OWNER'S REQUIREMENTS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- CONTRACTOR SHALL INCORPORATE PROVISIONS AS NECESSARY DURING CONSTRUCTION TO PROTECT EXISTING STRUCTURES, PHYSICAL FEATURES, AND MAINTAIN SITE STABILITY. CONTRACTOR SHALL RESTORE ALL AREAS TO ORIGINAL OR GREATER CONDITION AND AS SPECIFIED ON THE PLANS.
- CONTRACTOR SHALL CLEAN AND REMOVE DEBRIS AND SEDIMENT DEPOSITED ON PUBLIC STREETS, SIDEWALKS, ADJACENT AREAS, OR OTHER PUBLIC WAYS DUE TO CONSTRUCTION.
- ALL PAVEMENT MARKINGS AND DIRECTIONAL SIGNAGE SHOWN ON THE PLAN SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS.
- ALL PAVEMENT JOINTS SHALL BE SAUCUT PRIOR TO PAVING TO PROVIDE A DURABLE AND UNIFORM JOINT.
- NO HOLES, TRENCHES OR STRUCTURES SHALL BE LEFT OPEN OVERNIGHT IN ANY EXCAVATION ACCESSIBLE TO THE PUBLIC OR IN PUBLIC RIGHTS-OF-WAY.
- ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL REQUIRE PERMITS FROM THE MUNICIPALITY AS WELL AS M.D.O.T. AS APPLICABLE.

- THE PROPOSED LIMITS OF CLEARING SHOWN HEREON ARE APPROXIMATE BASED UPON THE PROPOSED LIMITS OF SITE GRADING. THE APPLICANT RESERVES THE RIGHT TO PERFORM NORMAL FOREST MANAGEMENT ACTIVITIES OUTSIDE OF THE CLEARING LIMIT AS SHOWN. TREE REMOVAL OUTSIDE OF THE LIMITS OF CLEARING MAY BE NECESSARY TO REMOVE DEAD OR DYING TREES OR TREE LIMBS. THIS REMOVAL IS DUE TO POTENTIAL SAFETY HAZARDS AND TO PROMOTE PROPER FOREST GROWTH.
- IMMEDIATELY UPON COMPLETION OF CUTS/FILLS, THE CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH EROSION CONTROL NOTES AND AS SPECIFIED ON PLANS.
- THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR THE REMOVAL, REPLACEMENT AND RECTIFICATION OF ALL DAMAGED AND DEFECTIVE MATERIAL AND WORKMANSHIP IN CONNECTION WITH THE CONTRACT WORK. THE CONTRACTOR SHALL REPLACE OR REPAIR AS DIRECTED BY THE OWNER. ALL SUCH DAMAGED OR DEFECTIVE MATERIALS WHICH APPEAR WITHIN A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.
- WHERE THE TERMS "APPROVED EQUAL", "OTHER APPROVED", "EQUAL TO", "ACCEPTABLE" OR OTHER GENERAL QUALIFYING TERMS ARE USED IN THESE NOTES PERTAINING TO ENGINEERING MATTERS, IT SHALL BE UNDERSTOOD THAT REFERENCE IS MADE TO THE JUDGMENT AND DECISION OF ST.CLAIR ASSOCIATES.

- THE GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTION FOR THE WORK UNTIL TURNED OVER TO THE OWNER.
- THE GENERAL CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DRAWINGS ON SITE DURING ALL PHASES OF CONSTRUCTION FOR USE OF ALL TRADES.
- THE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ANY CHANGES AND DEVIATION OF APPROVED PLANS NOT AUTHORIZED BY THE ARCHITECT/ENGINEER AND/OR CLIENT/OWNER.
- DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. ANY MODIFICATION TO