SOUTHERN MAINE VETERANS' CEMETERY 83 STANLEY ROAD, SPRINGVALE, MAINE

REGIONAL VICINITY MAP



DESIGN CONSULTANTS

LEAD / PROJECT ENGINEER Walsh Engineering Associates, Inc. One Karen Drive, Suite 2A Westbrook, Maine 04092 207.553.9898

LANDSCAPE ARCHITECT Scott Strynar Landscape Architect, LLC 98 Meehan Lane North Berwick, Maine 03906 207.957.4441

2024 CEMETERY EXPANSION

JANET T. MILLS, GOVERNOR

MAINE DEPARTMENT OF DEFENSE - VETERANS AND EMERGENCY MANAGEMENT, COMMISSIONER MAJOR GENERAL DIANE L. DUNN BUREAU OF MAINE VETERANS' SERVICES, DIRECTOR DAVID A. RICHMOND

NATIONAL CEMETERY ADMINISTRATION PROJECT #FAI ME-23-24 STATE OF MAINE, BUREAU OF GENERAL SERVICES PROJECT #3743

ISSUED FOR BID JULY 12, 2024

LOCAL VICINITY MAP







OWNER

State of Maine Bureau of Veteran's Services 125 State House Station, Augusta, ME 04333-0117 (207)287-8830 mainebvs@maine.gov

PARCEL INFORMATION

TOTAL AREA OF PARCEL: CURRENT ZONE:

TOWN OF SANFORD PARCEL: TAX MAP R2, LOT 20A TAX MAP K13 LOT 19 94.6 ACRES RURAL RESIDENTIAL

PROJECT SUMMARY:

Existing:

Total Acreage of

Developed Areas

Disturbed Area Th



DRAWING LIST

CO.0	Cover Sheet with Vicinity Maps
C1.0	Overall Cemetery and Site Index Plan
L1.2	Standard Boundary Survey - North
C2.0	Area B - Existing Conditions & Removals Plan
C2.1	Area B - Site Layout, Grading & Utilities Plan
C2.2	Area B - Cremains Numbering Plan
C2.3	Area B - Erosion Control Plan
C3.0	Area F - Existing Conditions & Removals Plan
C3.1	Area F - Site Layout & Utilities Plan
C3.2	Area F - Grading, Drainage & Erosion Control Plan
C3.3	Area F - Landscape Plan
C3.4	Area F - Phase 1 Columbaria Numbering Plan
C3.5	Area F - Phase 2 Columbaria Numbering Plan
C4.1	Alternates 1, 2 & 3
C5.1	Site Details
C5.2	Site Details
C5.3	Site Details
C5.4	Site Details
Col-1	Area F, Columbarium Plans, Elevations & Details
Col-2	Area F. Columbarium Foundation Plans. Details and Notes

Cemetery:	93.2± Acres
of Cemetery:	15.4 ± Acres
his Project:	0.7 ± Acres

Proposed:

es	Area B: Cremains Burial:			
res	4'x4' plots:			
	Area F: Columbaria Walls:			

Area F. Columbana Walls. 4 Walls of 210 Niches: 840 Niches

503 Plots





SURVEYOR'S NOTES

- 1 THIS SURVEY PLAN IS COPYRIGHT PROTECTED. THIS PLAN IS THE PROPERTY OF BOUNDARY POINTS, AND SHALL NOT BE USED FOR ANY PURPOSE WITHOUT THE WRITTEN CONSENT OF AN AUTHORIZED AGENT OF BOUNDARY POINTS. ALL RIGHTS RESERVED.
- 2 THIS SURVEY PLAN IS ONLY VALID IF AUTHENTIC EMBOSSED SEAL AND SIGNATURE OF CERTIFYING PROFESSIONAL APPEAR ON THE FACE OF THIS SURVEY PLAN.
- 3 REFERENCE IS MADE TO THE CONTRACTUAL AGREEMENT BETWEEN THE PROFESSIONAL LAND SURVEYOR AND THE CLIENT.
- 4 THIS SURVEY PLAN IS SUBJECT TO POSSIBLE REVISION UPON RECEIPT OF A CERTIFIED TITLE OPINION.
- 5 ON THE BASIS OF MY KNOWLEDGE, INFORMATION AND BELIEF I CERTIFY EXCLUSIVELY TO THE CLIENT THAT THIS SURVEY PLAN, MADE TO THE NORMAL STANDARD OF CARE, SUBSTANTIALLY CONFORMS TO THE MAINE BOARD OF LICENSURE FOR LAND SURVEYOR STANDARDS.
- 6 NO CERTIFICATION IS MADE TO THE EXISTANCE OR NONEXISTANCE OF HAZARDOUS SUBSTANCES, ENVIRONMENTALLY SENSITIVE AREAS, UNDERGROUND UTILITIES, UNDERGROUND STRUCTURES, OR REAL ESTATE TITLE.
- 7 THE SOURCE OF BEARINGS FOR THIS LAND, SURVEY WAS THE MAGNETIC MERIDIAN DETERMINED FROM THE PLAN REFERENCED IN NOTE 17 BELOW.
- 8 THE PROPERTY SURVEYED IS DESCRIBED IN A DEED TO TOWN OF SANFORD FROM PASSAMAQUODDY PROPERTIES, INC. DATED 6-9-58 AND IS RECORDED IN THE YORK COUNTY REGISTRY OF DEEDS IN BOOK 1378, PAGE 429.
- 9 THE PROPERTY IS DEPICTED ON THE TOWN ASSESSOR'S MAP R-2 AS LOT 20.
- 10 STANLEY ROAD IS A THREE ROD WIDE ROAD AS DESCRIBED IN THE 1877 LAYOUT RECORDED IN THE YORK COUNTY COMMISSIONER'S OFFICE VOLUME 23, PAGE 137.
- 11 REFERENCE IS MADE TO PLAN FOR EMILIEN & THELMA BERNARD DATED 4-26-84 RECORDED IN YORK COUNTY REGISTRY OF DEEDS IN PLAN BOOK 129, PAGE 6.
- 12 REFERENCE IS MADE TO PLAN FOR BUTLERS CORNER SUBSTATION LOT DATED 12-2-59 ON FILE WITH CENTRAL MAINE POWER COMPANY DRAWING 269.
- 13 REFERENCE IS MADE TO PLAN OF SECTION 185 MILE 3 BUILT 1950 ON FILE WITH CENTRAL MAINE POWER COMPANY DRAWING 639-443.
- 14 REFERENCE IS MADE TO RIGHT OF WAY MAP FOR SAWMILL BRIDGE ON FILE WITH MAINE DEPARTMENT OF TRANSPORTATION FILE 16-224.
- 15 REFERENCE IS MADE TO PLAN OF THE LAND NORTH OF SPRINGVALE, MAINE OWNED BY GOODALL WORSTED CO. DATED DECEMBER 1904.
- 16 REFERENCE IS MADE TO PLAN OF THE LAND OWNED BY B.C. JORDAN BY C.F. LANDER OF THE HIRAM K. LITTLEFIELD AND SUMNER I. KIMBALL LOTS DATED APRIL 1904.
- 17 REFERENCE IS MADE TO PLAN OF RIVERSIDE CEMETERY ASSOCIATION DATED 7-20-93
- BY P.L.S. 1350 OF CORNERPOST LAND SURVEYING IN SPRINGVALE, MAINE. 18 REFERENCE IS MADE TO STANDARD BOUNDARY SURVEY FOR DEPARTMENT OF DEFENSE VETERANS AND EMERGENCY MANAGEMENT DATED OCTOBER 2002 BY BOUNDARY POINTS PROFESSIONAL LAND SURVEYING PROJECT 02029.



EXISTING				
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PROPERTY SURVEYED ADJOINING PROPERTY SETBACK LINE EASEMENT DRILLHOLE MONÚMENT IRON PIPE/ROD 5/8" IRON REBAR EDGE OF STREAM/RIVER EDGE PAVEMENT GRAVEL ROAD TREELINE TEST PIT OVERHEAD ELEC. & TEL. UTILITY POLE CULVERT BARB WIRE FENCE STONE WALL

DESCRIPTION

PROPOSED



Test Pit	Northing	Facting	Existing Grade	Ledge/Refusal*	Depth of	Misc. Notes	
ID	Northing	Lasung	Elevation (ft)	Elevation (ft)	Overburden (ft)		
1	236610.12	2782622.07	432.2	428.9	3.3		
2	236591.55	2782623.72	432.7	430.5	2.3	2-3' Boulder Removed	
3	236569.53	2782623.90	432.2	Ø	> 4	No Refusal Encountered	
4	236566.36	2782610.74	432.0	428.7	3.2		
5	236587.13	2782607.82	432.1	428.8	3.3		
6	236605.28	2782606.52	432.1	429.7	2.4		
7	236628.66	2782588.06	430.6	427.5	3.2		
8	236597.28	2782581.42	430.9	427.7	3.2		
9	236573.65	2782579.56	430.9	427.7	3.2	2-3' Boulder Removed, Hard Cemented Material	
10	236549.02	2782560.26	430.0	427.3	2.8	2-3' Boulder Removed, Hard Cemented Material	
11	236574.91	2782544.45	429.5	427.0	2.5	2-3' Boulder Removed, Hard Cemented Material	
12	236606.32	2782549.77	429.4	426.6	2.8		
13	236632.16	2782557.79	429.7	426.8	2.9		
14	236642.98	2782537.22	428.8	425.6	3.2		
15	236612.22	2782528.96	428.1	424.9	3.2		
16	236566.58	2782520.74	428.0	425.2	2.8	Encountered thick layer of fairly clean topsoil (1-1.5')	
17	236585.54	2782506.27	427.0	424.2	2.8	Encountered thick layer of fairly clean topsoil (1')	
18	236630.17	2782521.72	427.5	425.3	2.2	Encountered thick layer of fairly clean topsoil (1-1.5')	

PROJECT NOTES:

1. SEE SHEET C1.0 FOR: PLAN REFERENCES GENERAL NOTES EXISTING UTILITY NOTES LAYOUT, MATERIALS, AND UTILITY NOTES LEGEND AND ABBREVIATIONS

DEMOLITION NOTES:

1. TOPSOIL TO BE REMOVED AND STOCKPILED, SEE C2.3 FOR TEMPORARY STOCKPILE LOCATION.

> EX. WORLD WAR I MEMORIAL GARDEN. PROTECT AREA WITH CONSTRUCTION FENCE. ANY DAMAGE TO THE LANDSCAPING OR MONUMENTS IS TO BE REPAIRED IMMEDIATELY. COORDINATE ANY REPAIR OR REPLACEMENT WORK WITH VETERAN'S ASSOCIATION PERSONNEL.

SOLDIER SILHOUETTES --- 437 -JK-MAL-----TO A BAR AND SHOW EX. CLEANOUT



IRRIGATION NOTES:

- 1. ALL WORK IS TO BE IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL CODES AND ORDINANCES.
- 2. ALL ELECTRICAL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICIAN AND BE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE, CENTRAL MAINE POWER STANDARDS AND CITY OF SANFORD ELECTRICAL REQUIREMENTS.
- 3. ALL UNDERGROUND ELECTRICAL CONNECTIONS ARE TO BE MADE WITH DBY-6 WIRE CONNECTORS.
- 4. ALL REMOTE CONTROL VALVES ARE TO BE INSTALLED IN VALVE BOXES OF APPROPRIATE SIZE.
- 5. ALL CONTROL WIRING DOWNSTREAM OF THE CONTROLLER IS TO BE # 14/2 UF, GROUNDED EVERY 500'.
- 6. ALL ROTORS SHALL BE INSTALLED ON RIGID SWING JOINTS.
- 7. ANY CHANGES IN AVAILABILITY OF SUPPLY SHOULD BE NOTED AND MODIFICATIONS TO THE DESIGN SHOULD BE MADE.
- 8. CONTRACTOR TO VERIFY WATER PRESSURE AND AVAILABILITY PRIOR TO INSTALLATION.
- 9. THE LOCATION OF ALL IRRIGATION IS DIAGRAMMATIC AND SUBJECT TO FIELD VERIFICATION.
- 10. ANY IRRIGATION PIPING SHOWN OUTSIDE OF CURBS FOR CLARITY ONLY.



SCALE: 1"=20'

SOLDIER

EX. CLEANOUT

INV. 418.62

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136

--438´

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PROJECT NOTES:

- 1. SEE SHEET C1.0 FOR: PLAN REFERENCES GENERAL NOTES EXISTING UTILITY NOTES LAYOUT, MATERIALS, AND UTILITY NOTES LEGEND AND ABBREVIATIONS
- 2. REFERENCES TO USE OF A "SURVEYOR" ARE TO INDICATE A SURVEYOR LICENSED IN THE STATE OF MAINE.





PROJECT NOTES:

1. SEE SHEET C1.0 FOR: PLAN REFERENCES GENERAL NOTES EXISTING UTILITY NOTES LAYOUT, MATERIALS, AND UTILITY NOTES LEGEND AND ABBREVIATIONS





















COLUMNS OF EACH NICHE SECTION. MATCH STYLE, SIZE AND LOCATION TO EXISTING COLUMBARIA. SUBMIT LAYOUT FOR APPROVAL

2 1/4" HIGH, TIMES NEW ROMAN CAST OR CHISELED NUMBERS AT THE SIDES OF EACH ROW. MATCH STYLE, SIZE AND LOCATION TO EXISTING COLUMBARIA. SUBMIT LAYOUT FOR APPROVAL.

Numbering Layout

Numbering Detail

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2024 Cemetery Expansion	at Southern Maine Veterans' Cemetery, 83 Stanley Road, Springvale, Maine	Maine Department of Defense, Veterans & Emergency Management Bureau of Veterans' Services	National Cemetery Administration Project #FAI ME-23-24 Bureau of General Services Project Number #3743
Rev. Date	Description	2	Drawn Check
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JDC

NGC

Drawn: Checked:

Layout

Detail



INTRODUCTION

THE FOLLOWING PLAN FOR CONTROLLING SEDIMENTATION AND EROSION IN THIS PROJECT IS BASED ON CONSERVATION PRACTICES FOUND IN THE MAINE EROSION & SEDIMENT CONTROL BMPS MANUAL, OCTOBER 2016, AND MAINE EROSION AND SEDIMENT CONTROL PRACTICE FIELD GUIDE FOR CONTRACTORS, REVISED 2014, MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION. THE CONTRACTOR WHO IMPLEMENTS THIS PLAN SHALL BE FAMILIAR WITH THESE PUBLICATIONS AND ADHERE TO THEM AND THE PRACTICES PRESENTED HEREIN

REFERENCE IS MADE TO THE GRADING AND DRAINAGE PLANS WITHIN THE PLAN SET, SHOWING THE LOCATIONS AND TYPES OF PROPOSED MEASURES TO BE IMPLEMENTED.

GENERAL EROSION AND SEDIMENTATION CONTROL PRACTICES

THE FOLLOWING IS A LIST OF GENERAL EROSION CONTROL PRACTICES THAT WILL BE USED TO PREVENT EROSION AND SEDIMENTATION BEFORE, DURING AND AFTER THE CONSTRUCTION OF THIS PROJECT. IN ADDITION, SPECIAL CARE SHALL BE USED AT ALL TIMES TO: LIMIT DISTURBANCE AND, HENCE, EROSION

1) CORRECT ANY EROSION PROBLEMS IMMEDIATELY 2) REGULARLY MONITOR THE IMPLEMENTED PRACTICES, ESPECIALLY AFTER EVERY RAINFALL 3) REVEGETATE DISTURBED AREAS AS SOON AS POSSIBLE AFTER CONSTRUCTION

4) CONFORM TO ALL REQUIREMENTS/STANDARDS OF THE SITE'S MAINE DEP EROSION & SEDIMENT CONTROL BMP MANUAL. SILT FENCE AND/OR EROSION CONTROL MIX SEDIMENT BARRIERS

SILT FENCE AND/OR EROSION CONTROL MIX SEDIMENT BARRIERS WILL BE INSTALLED ALONG THE DOWN GRADIENT SIDE OF THE PROPOSED GROUND DISTURBANCE AREAS PRIOR TO ANY CONSTRUCTION ACTIVITIES WHERE SLOPES EXCEED 8% OR THERE IS FLOWING WATER BOTH SILT FENCE AND EROSION CONTROL MATTING BERMS SHALL BE USED.

CATCH BASIN PROTECTION

CATCH BASIN PROTECTION WILL BE INSTALLED AT THE FIRST DOWNGRADIENT CATCH BASIN IN STREET ADJACENT TO ANY CONSTRUCTION ACTIVITIES AND IN ALL ONSITE CATCH BASINS UNTIL SITE HAS BEEN COMPLETELY STABILIZED.

1. EROSION AND SEDIMENTATION CONTROL BMPS SHALL BE INTALLED PRIOR TO THE COMMENCEMENT OF EARTHWORK ACTIVITIES.

CONSTRUCTION PHASE

∕C3.0∕

THE FOLLOWING GENERAL PRACTICES WILL BE IMPLEMENTED TO PREVENT EROSION DURING CONSTRUCTION ON THIS PROJECT:

- 2. ONLY THOSE AREAS UNDER ACTIVE CONSTRUCTION WILL BE CLEARED AND LEFT IN AN UNTREATED OR UNVEGETATED CONDITION. AN AREA NO LARGER THAN WHAT CAN BE MULCHED IN ONE DAY MAY BE OPEN AT ONCE. ONCE CONSTRUCTION OF AN AREA IS COMPLETE, FINAL GRADING, LOAMING AND SEEDING SHALL OCCUR IMMEDIATELY (REFER TO "POST CONSTRUCTION REVEGETATION" SECTION). IF DURING FINAL GRADING, LOAMING AND SEEDING CAN NOT OCCUR IMMEDIATELY. IT SHALL BE DONE PRIOR TO ANY STORM EVENT AND WITHIN 15 DAYS OF COMPLETING CONSTRUCTION IN THE AREA. IF FINAL GRADING, LOAMING AND SEEDING CANNOT OCCUR WITHIN 7 DAYS, OR IF THE AREA IS NOT UNDER ACTIVE CONSTRUCTION FOR A PERIOD LONGER THAN 7 DAYS, SEE ITEM NO. 4 BELOW.
- 3. PRIOR TO THE START OF CONSTRUCTION IN A SPECIFIC AREA, SILT FENCING SHALL BE INSTALLED ON DOWNGRADIENT PORTIONS OF THE SITE AS LOCATED ON THE PLANS TO PROTECT AGAINST ANY CONSTRUCTION RELATED EROSION.
- 4. TOPSOIL WILL BE STOCKPILED WHEN NECESSARY IN AREAS WHICH HAVE MINIMUM POTENTIAL FOR EROSION AND WILL BE KEPT AS FAR AS POSSIBLE FROM EXISTING DRAINAGE AREAS AND WETLANDS. ALL STOCKPILES EXPECTED TO REMAIN LONGER THAN 7 DAYS SHALL
- A. TREATED WITH ANCHORED MULCH (WITHIN 5 DAYS OF THE LAST DEPOSIT OF STOCKPILED SOIL).
- B. SEEDED WITH CONSERVATION MIX AND MULCHED IMMEDIATELY.
- C. STOCKPILES SHALL BE EITHER PLACED UPHILL OF AN EXISTING SEDIMENT BARRIER ON THE SITE OR ENCIRCLED BY A HAY BALE OR SILT FENCE BARRIER THE FIRST DAY THAT STOCKPILING COMMENCES.
- 5. ALL DISTURBED AREAS EXPECTED TO REMAIN LONGER THAN 7 DAYS SHALL BE:
- A. TREATED WITH STRAW AT A RATE OF 70-90 LBS. PER 1000 SQUARE FEET FROM 4/16 TO 10/1, OR AT A RATE OF 150-200 LBS. PER 1000 SQUARE FEET FROM 10/1 TO 4/15. B. SEEDED WITH CONSERVATION MIX OF PERENNIAL RYE GRASS (1.0 LBS/1000 SQ.FT.) AND MULCHED IMMEDIATELY. FROM 10/1 TO 4/15, FOLLOW THE SEEDING RATES AS OUTLINED BELOW IN SUB-SECTION 4.D. OF THE "POST CONSTRUCTION REVEGETATION"
- C. MONITORED EVERY TWO WEEKS UNTIL SEEDING CAN OCCUR AND REMULCHED AS NEEDED TO PROTECT SLOPES.
- 5. ALL GRADING WILL BE HELD TO A MAXIMUM 3:1 SLOPE WHERE PRACTICAL. GREATER SLOPES MAY BE USED WHERE THE BANKS ARE PROTECTED WITH SOFT ARMOUR MATTING, EROSION CONTROL MATTING, OR RIPRAP. ALL SLOPES WILL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY AFTER FINAL GRADING IS COMPLETE. (IT IS UNDERSTOOD THAT IMMEDIATELY MEANS WITHIN 5 DAYS OF THE COMPLETION OF WORK. SEE POST-CONSTRUCTION REVEGETATION FOR SEEDING SPECIFICATION).
- 6. APPLICATION RATE MUST BE 2 BALES (70-90 LBS.) PER 1,000 SQUARE FEET OR 1.5 TO 2 TONS (90-100 BALES) PER ACRE TO COVER 75 TO 90% OF THE GROUND SURFACE. DRIVE OVER WITH TRACKED CONSTRUCTION EQUIPMENT ON GRADES OF 5% AND LESS.
- 7. CONSTRUCTION TRAFFIC WILL BE DIRECTED OVER THE EXISTING SITE ENTRANCE. THE ROAD SHALL BE SWEPT AND VACUUMED DAILY SHOULD SEDIMENT BE TRACKED ONTO IT.
- 8. ALL AREAS DRAINING TO A STORMWATER FILTER OR BMP SHALL BE STABILIZED PRIOR TO CONSTRUCTION OF FILTER MEDIA TO PREVENT SEDIMENT FROM CLOGGING MEDIA

EROSION AND SEDIMENTATION CONTROL NOTES NOT TO SCALE



DEWATERING

POST CONSTRUCTION REVEGETATION

THE FOLLOWING GENERAL PRACTICES WILL BE IMPLEMENTED TO PREVENT EROSION AS SOON AS AN AREA IS READY TO UNDERGO FINAL GRADING:

- 1. A MINIMUM OF 6" OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND GRADED TO A UNIFORM DEPTH AND NATURAL APPEARANCE.
- 2. LAWN AREAS: "PARK MIX" GRASS SEED BY ALLEN, STERLING & LOTHROP (FALMOUTH, MAINE), OR APPROVED EQUAL.
- 3. MULCH SHALL BE HAY OR STRAW MULCHES THAT ARE DRY AND FREE FROM UNDESIRABLE SEEDS AND COURSE MATERIALS. A. APPLICATION RATE MUST BE 2 BALES (70-90 LBS.) PER 1,000 SQUARE FEET OR 1.5 TO 2 TONS (90-100 BALES) PER ACRE TO COVER
- 75 TO 90% OF THE GROUND SURFACE.
- B. DRIVE OVER WITH TRACKED CONSTRUCTION EQUIPMENT ON GRADES OF 5% AND LESS.
- C. BLANKET WITH TACKED PHOTODEGRADABLE/BIODEGRADABLE NETTING ON GRADES GREATER THAN 5%.
- 4. HYDRO-MULCH SHALL CONSIST OF A MIXTURE OF ASPHALT, WOOD FIBRE OR PAPER FIBRE AND WATER, WHICH IS SPRAYED OVER A SEEDED AREA. HYDRO-MULCH SHALL NOT BE USED BETWEEN 10/1 AND 4/15.

5. CONSTRUCTION SHALL BE PLANNED TO ELIMINATE THE NEED FOR SEEDING BETWEEN OCTOBER 1ST AND APRIL 15TH. SHOULD SEEDING BE NECESSARY BETWEEN THESE DATES, THE FOLLOWING PROCEDURE SHALL BE FOLLOWED:

- A. ONLY UNFROZEN LOAM SHALL BE USED.
- B. LOAMING, SEEDING AND MULCHING WILL NOT BE DONE OVER SNOW OR ICE COVER. IF SNOW EXISTS, IT MUST BE REMOVED PRIOR TO PLACEMENT OF SEED.
- C. WHERE PERMANENT SEEDING IS NECESSARY, ANNUAL WINTER RYE (1.2 LBS/1000 S.F.) SHALL BE SOWN INSTEAD OF THE PREVIOUSLY NOTED SEEDING RATE.
- D. WHERE TEMPORARY SEEDING IS REQUIRED, ANNUAL WINTER RYE (2.5 LBS/1000 S.F.) SHALL BE SOWN INSTEAD OF THE PREVIOUSLY NOTED SEEDING RATE.
- E. FERTILIZING, SEEDING AND MULCHING SHALL BE DONE ON LOAM THE DAY THE LOAM IS SPREAD.
- SUFFICE. WINTER MULCHING RATES, SHALL BE DOUBLE AS SPECIFIED ABOVE IN SUBSECTION 3.A OF THE "POST CONSTRUCTION REVEGETATION" SECTION, SHOULD BE APPLIED DURING THIS PERIOD.
- CATCH IS INADEQUATE.

MONITORING SCHEDULE

EROSION AND SEDIMENTATION CONTROLS OR APPOINTING A QUALIFIED SUBCONTRACTOR TO DO SO.

- 1. SILT FENCE SHALL BE INSPECTED AND REPAIRED. SEDIMENT TRAPPED BEHIND THESE BARRIERS SHALL BE EXCAVATED WHEN IT REACHES A DEPTH OF 6" AND REDISTRIBUTED TO AREAS UNDERGOING FINAL GRADING.
- 2. CONSTRUCTION ENTRANCE SHALL BE VISUALLY INSPECTED AND REPAIRED AS NEEDED. ANY AREAS SUBJECT TO RUTTING SHALL BE STABILIZED IMMEDIATELY. IF THE VOIDS OF THE CONSTRUCTION ENTRANCE BECOME FILLED WITH MUD, MORE CRUSHED STONE SHALL BE ADDED AS NEEDED. THE PUBLIC ROADWAY SHALL BE SWEPT AND VACUUMED SHOULD MUD BE DEPOSITED/TRACKED ONTO THEM.

STANDARDS FOR STABILIZING SITES FOR THE WINTER

- 1. STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SLOPES (ANY AREA HAVING A GRADE GREATER THAN 25%) THE CONTRACTOR WILL SEED AND MULCH ALL SLOPES TO BE VEGETATED BY SEPTEMBER 15TH. IF THE CONTRACTOR FAILS TO STABILIZE ANY SLOPE TO BE VEGETATED BY SEPTEMBER 15TH, THEN THE CONTRACTOR WILL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE SLOPE FOR LATE FALL AND WINTER.
- STABILIZE THE SOIL WITH TEMPORARY VEGETATION AND EROSION CONTROL MATS: BY OCTOBER 1ST THE CONTRACTOR WILL SEED THE DISTURBED SLOPE WITH WINTER RYE AT A RATE OF 3 POUNDS PER 1000 SQUARE FEET AND THEN INSTALL EROSION CONTROL MATS OR ANCHORED HAY MULCH OVER THE SEEDING AT TWICE THE RATE AS SPECIFIED ABOVE IN SUBSECTION 3.A OF THE "POST CONSTRUCTION REVEGETATION" SECTION. THE CONTRACTOR WILL MONITOR GROWTH OF THE RYE OVER THE NEXT 30 DAYS.
- GRADES GREATER THAN 50% (2H:IV) OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE.

METAL COUPLER







ALL DEWATERING DISCHARGE LOCATIONS SHALL BE LOCATED ON RELATIVELY FLAT GROUND AT LEAST 75' FROM STREAMS AND 25 FROM WETLANDS. THE CONTRACTOR SHALL UTILIZE DIRTBAGS, EROSION CONTROL MIX BERMS, OR SIMILAR METHODS FOR FILTRATION OF DEWATERING AND SHALL CONFORM TO THE MAINE EROSION AND SEDIMENT CONTROL BMPS G-1, G-2, AND G-3.

- FOLLOWING FINAL SEEDING, THE SITE WILL BE INSPECTED EVERY 30 DAYS UNTIL 90% COVER HAS BEEN ESTABLISHED. RESEEDING WILL BE CARRIED OUT BY THE CONTRACTOR WITHIN 10 DAYS OF NOTIFICATION BY THE DESIGN PROFESSIONAL THAT THE EXISTING
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING, MONITORING, MAINTAINING, REPAIRING, REPLACING AND REMOVING ALL OF THE
- MAINTENANCE MEASURES WILL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION CYCLE. IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL, AND AT LEAST ONCE A WEEK, A VISUAL INSPECTION WILL BE MADE OF ALL EROSION AND SEDIMENTATION CONTROLS AS
- THE FOLLOWING STANDARDS AND METHODOLOGIES SHALL BE USED FOR STABILIZING THE SITE DURING THE WINTER CONSTRUCTION PERIOD:
 - STABILIZE THE SLOPE WITH WOOD-WASTE COMPOST: THE CONTRACTOR WILL PLACE A SIX-INCH LAYER OF WOOD-WASTE COMPOST ON THE SLOPE BY NOVEMBER 15TH. THE CONTRACTOR WILL NOT USE WOOD-WASTE COMPOST TO STABILIZE SLOPES HAVING

- C. STABILIZE THE SLOPE WITH STONE RIPRAP: THE CONTRACTOR WILL PLACE A LAYER OF STONE RIPRAP ON THE SLOPE BY NOVEMBER 15TH. THE DEVELOPMENT'S OWNER WILL HIRE A REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE NEEDED FOR STABILITY ON THE SLOPE AND TO DESIGN A FILTER LAYER FOR UNDERNEATH THE RIPRAP.
- STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SOILS BY SEPTEMBER 15TH THE CONTRACTOR WILL SEED AND MULCH ALL DISTURBED SOILS ON THE SITE. IF THE CONTRACTOR FAILS TO STABILIZE THESE SOILS BY THIS DATE, THEN THE CONTRACTOR WILL TAKE ON OF THE FOLLOWING ACTIONS TO STABILIZE THE SOIL FOR LATE FALL AND WINTER.
- A. STABILIZE THE SOIL WITH TEMPORARY VEGETATION: BY OCTOBER 1ST THE CONTRACTOR WILL SEED THE DISTURBED SOIL WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET, LIGHTLY MULCH THE SEEDED SOIL WITH HAY OR STRAW AT 75 POUNDS PER 1000 SQUARE FEET, AND ANCHOR THE MULCH WITH PLASTIC NETTING. THE CONTRACTOR WILL MONITOR GROWTH OF THE RYE OVER THE NEXT 30 DAYS. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR FAILS TO COVER AT LEAST 75% OF THE DISTURBED SOIL BEFORE NOVEMBER, 1, THEN THE CONTRACTOR WILL MULCH THE AREA FOR OVER-WINTER PROTECTION AS DESCRIBED IN ITEM III OF THIS STANDARD.
- B. STABILIZE THE SOIL WITH SOD: THE CONTRACTOR WILL STABILIZE THE DISTURBED SOIL WITH PROPERLY INSTALLED SOD BY OCTOBER 1ST. PROPER INSTALLATION INCLUDES THE CONTRACTOR PINNING THE SOD ONTO THE SOIL WITH WIRE PINS, ROLLING THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL.
- C. STABILIZE THE SOIL WITH MULCH: BY NOVEMBER 15TH THE CONTRACTOR WILL MULCH THE DISTURBED SOIL BY SPREADING HAY OR STRAW AT A RATE OF AT LEAST 150 POUNDS PER 1000 SQUARE FEET ON THE AREA SO THAT NO SOIL IS VISIBLE THROUGH THE MULCH. IMMEDIATELY AFTER APPLYING THE MULCH, THE CONTRACTOR WILL ANCHOR THE MULCH WITH NETTING OR OTHER METHOD TO PREVENT WIND FROM MOVING THE MULCH OFF THE DISTURBED SOIL.

EROSION CONTROL REMOVAL

AN AREA IS CONSIDERED STABLE IF IT IS PAVED OR IF 90% GROWTH OF PLANTED SEEDS IS ESTABLISHED. ONCE AN AREA IS CONSIDERED STABLE, THE EROSION CONTROL MEASURES CAN BE REMOVED AS FOLLOWS:

- SILT FENCE: SILT FENCE SHALL BE DISPOSED OF LEGALLY AND PROPERLY OFF-SITE. ALL SEDIMENT TRAPPED BEHIND THESE CONTROLS SHALL BE DISTRIBUTED TO AN AREA UNDERGOING FINAL GRADING OR REMOVED AND RELOCATED OFF-SITE.
- STABILIZED CONSTRUCTION ENTRANCE: THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE REMOVED ONCE THE COMPACTED ROADWAY BASE IN IN PLACE. STONE AND SEDIMENT FROM THE CONSTRUCTION ENTRANCE SHALL BE REDISTRIBUTED TO AN AREA UNDERGOING GRADING OR REMOVED AND RELOCATED OFFSITE.
- 3. MISCELLANEOUS: ONCE ALL THE TRAPPED SEDIMENTS HAVE BEEN REMOVED FROM THE TEMPORARY SEDIMENTATION DEVICES THE DISTURBED AREAS MUST BE REGRADED IN AN AESTHETIC MANNER TO CONFORM TO THE SURROUNDING TOPOGRAPHY. ONCE GRADED THESE DISTURBED AREAS MUST BE LOAMED (IF NECESSARY), FERTILIZED, SEEDED AND MULCHED IN ACCORDANCE WITH THE RATES PREVIOUSLY STATED.

THE ABOVE EROSION CONTROLS MUST BE REMOVED WITHIN 30 DAYS OF FINAL STABILIZATION OF THE SITE. F. HAY MULCH SHALL BE SECURED WITH PHOTODEGRADABLE/BIODEGRADABLE NETTING. TRACKING BY MACHINERY ALONE WILL NOT CONFORMANCE WITH THIS PLAN AND FOLLOWING THESE PRACTICES WILL RESULT IN A PROJECT THAT COMPLIES WITH THE STATE REGULATIONS AND THE STANDARDS OF THE NATURAL RESOURCES PROTECTION ACT, AND WILL PROTECT WATER QUALITY IN AREAS DOWNSTREAM FROM THE

MAINE CONSTRUCTION GENERAL PERMIT REQUIRED

SUBMISSION OF A MAINE CONSTRUCTION GENERAL PERMIT (MCGP) IS REQUIRED PRIOR TO COMMENCEMENT OF ANY EXCAVATION ACTIVITIES. INSPECTION AND MAINTENANCE (APPENDIX B)

- INSPECTION AND MAINTENANCE REQUIREMENTS: INSPECT DISTURBED AND IMPERVIOUS AREAS, EROSION AND STORMWATER CONTROL MEASURES, AREAS USED FOR STORAGE THAT ARE EXPOSED TO PRECIPITATION, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE. INSPECT THESE AREAS AT LEAST ONCE A WEEK AS WELL AS BEFORE AND AFTER A SIGNIFICANT STORM EVENT (0.5 INCHES OF RAINFALL IN A 24-HOUR PERIOD) AND PRIOR TO COMPLETION OF PERMANENT STABILIZATION MEASURES. A PERSON WITH KNOWLEDGE OF EROSION AND STORMWATER CONTROL, INCLUDING THE STANDARDS IN THE MCGP AND ANY DEPARTMENTAL COMPANION DOCUMENT TO THE MCGP, MUST CONDUCT THE INSPECTION. THIS PERSON MUST BE IDENTIFIED IN THE INSPECTION LOG. IF BEST MANAGEMENT PRACTICES (BMPS) NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY, IMPLEMENTATION MUST BE STARTED BY THE END OF THE NEXT WORKIN DAY AND COMPLETED WITHIN 7 CALENDAR DAYS AND PRIOR TO ANY STORM EVENT (RAINFALL). ALL MEASURES MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION UNTIL AREAS AREA PERMANENTLY STABILIZED. DOCUMENTATION OF CORRECTION ACTIONS SHALL BE MAINTAINED WITH THE INSPECTION FORMS.
- INSPECTION LOG (REPORT): A LOG (REPORT) MUST BE KEPT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND OUALIFICATIONS OF THE PERSONNEL MAKING THE INSPECTION. THE DATE(S) OF THE INSPECTION. AND MAJOR OBSERVATIONS RELATING TO OPERATION OF EROSION AND SEDIMENTATION CONTROLS AND POLLUTION PREVENTION MEASURES. MAJOR OBSERVATIONS MUST INCLUDE BMPS THAT NEED MAINTENANCE, BMPS THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION, AND LOCATIONS(S) WHERE ADDITIONAL BMPS ARE NEEDED. FOR EACH BMP REQUIRING MAINTENANCE, BMP NEEDING REPLACEMENT, AND LOCATION NEEDING ADDITIONAL BMPS, NOTE IN THE INSPECTION LOG THE CORRECT ACTION TAKEN AND WHEN IT WAS TAKEN. THE LOG MUST BE MADE ACCESSIBLE TO THE DEPARTMENT STAFF AND A COPY MUST BE PROVIDED UPON REQUEST. THE PERMITTEE SHALL RETAIN A COPY OF THE LOG FOR A PERIOD OF AT LEAST THREE YEARS FROM THE COMPLETION OF THE PERMANENT STABILIZATION.

HOUSEKEEPING (APPENDIX (

PREVENTION: CONTROLS MUST BE USED TO PREVENT POLLUTANTS FROM CONSTRUCTION AND WASTE MATERIALS STORED ON SITE TO ENTER STORMWATER, WHICH INCLUDES STORAGE PRACTICES TO MINIMIZE EXPOSURE OF THE MATERIALS TO STORMWATER. THE SITE CONTRACTOR OR OPERATOR MUST DEVELOP, AND IMPLEMENT AS NECESSARY, APPROPRIATE SPILL PREVENTION, CONTAINMENT, AND RESPONSE PLANNING MEASURES.

NOTE: ANY SPILL OR RELEASE OF TOXIC OR HAZARDOUS SUBSTANCES MUST BE REPORTED TO THE DEPARTMENT. FOR OIL SPILLS, CALL 1-800-482-0777 WHICH IS AVAILABLE 24 HOURS A DAY. FOR SPILLS OF TOXIC OR HAZARDOUS MATERIAL, CALL 1-800-452-4664 WHICH IS AVAILABLE 24 HOURS A DAY. FOR MORE INFORMATION, VISIT THE DEPARTMENT'S WEBSITE AT: HTTP://WWW.MAINE.GOV/DEP/SPILLS/EMERGSPILLRESP



1 1/4" SQ. HARDWOOD POST

SUPPORT NET INDUSTRIAL POLYPROPYLENE

12-MONTH UV RESISTANT GEOTEXTILE: MIRAFI ENVIROFENCE OR APPROVED EQUAL



POST WRAP DETAIL

INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

2. SILT FENCE SHALL BE MAINTAINED CONTINUALLY THROUGHOUT THE ENTIRE CONSTRUCTION CYCLE.



NOTES:

SEDIMENT BARRIER

- 1. THE EROSION CONTROL MIX SHALL CONTAIN A WELL GRADED MIXTURE OF PARTICLE SIZES AND MAY CONTAIN ROCKS LESS THAN 4" DIAMETER. EROSION CONTROL MIX MUST BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH.
- 2. MATERIAL SHALL MEET THE FOLLOWING REQUIREMENTS
- A. THE ORGANIC CONTENT SHALL BE BEWTEEN 80 AND 100% DRY WEIGHT BASIS B. PARTICLE SIZE BY WIEGHT SHALL BE 100% PASSING A 6" SCREEN AND A MAXIMUM OF 85% PASSING A 0.75" SCREEN
- C. THE ORGANIC PORTION NEEDS TO BE FIBROUS AND ELONGATED
- D. LARGE PORTIONS OF SILTS, CLAYS, OR FINE SANDS ARE NOT ACCEPTABLE IN THE MIX E. SOLUBLE SALTS CONTENT SHALL BE <4.0 MMHOS/CM
- F. THE pH SHOULD FALL BETWEEN 5.0 AND 8.0
- 3. PLACE BARRIER ALONG A RELATIVELY FLAT CONTOUR. CUT TALL GRASSES OR WOODY VEGETATION TO AVOID CREATING VOIDS AND BRIDGES WHERE FINES CAN WASH UNDER THE BARRIER THROUGH GRASS BLADES AND BRANCHES.
- 4. PLACEMENT OF BARRIER SHOULD BE:
- AT TOE OF THE SLOPE.
- FROZEN GROUND, BEDROCK OR ROOTED FORESTED AREAS. - THE EDGE OF GRAVEL AND AREAS UNDER CONSTRUCTION.
- SEDIMENT BARRIER SHALL NOT BE USED ADJACENT TO WETLANDS
- REMOVE SEDIMENT DEPOSITS WHEN THEY REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER.
- WHEN BARRIER IS DECOMPOSED, CLOGGED WITH SEDIMENT, ERODED OR INEFFECTIVE, IT MUST BE REPLACED OR REPAIRED. THE BARRIER SHOULD BE RESHAPED AS NECESSARY
- IF ECM BERMS ARE USED AS A SILT BARRIER, THEY ARE PROHIBITED AT THE BASE OF A SLOPE STEEPER THAN 8% OR WHERE THERE IS FLOWING WATER WITHOUT THE SUPPORT OF ADDITIONAL MEASURES, SUCH AS A SILT FENCE.



EROSION CONTROL SEDIMENT BARRIER NOT TO SCALE

2. GROUNDWATER PROTECTION: DURING CONSTRUCTION, LIQUID PETROLEUM PRODUCTS AND OTHER HAZARDOUS MATERIALS WITH THE POTENTIAL TO CONTAMINATE GROUNDWATER MAY 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 SOILS, TOPOGRAPHY AND OTHER RELEVANT FACTORS ACCUMULATES RUNOFF THAT INFILTRATES INTO THE SOIL. DIKES, BERMS, SUMPS, AND OTHER FORMS OF SECONDARY CONTAINMENT THAT PREVENT DISCHARGE TO GROUNDWATER MAY BE USED TO ISOLATE PORTIONS OF THE SITE FOR THE PURPOSES OF STORAGE AND HANDLING OF THESE MATERIALS. ANY PROJECT PROPOSING

INFILTRATION OF STORMWATER MUST PROVIDE ADEQUATE PRE-TREATMENT OF STORMWATER PRIOR TO DISCHARGE OF STORMWATER TO THE INFILTRATION AREA, OR PROVIDE FOR TREATMENT WITHIN THE INFILTRATION AREA, IN ORDER TO PREVENT THE ACCUMULATION OF FINES, REDUCTION IN INFILTRATION RATE, AND CONSEQUENT FLOODING AND DESTABILIZATION.

NOTE .: LACK OF APPROPRIATE POLLUTANT REMOVAL BEST MANAGEMENT PRACTICES (BMPS) MAY RESULT IN VIOLATIONS OF THE GROUNDWATER QUALITY STANDARD ESTABLISHED BY 38 M.R.S.A. §465-C(1).

3. FUGITIVE SEDIMENT AND DUST: ACTIONS MUST BE TAKEN TO ENSURE THAT ACTIVITIES DO NOT RESULT IN NOTICEABLE EROSION OF SOILS OR FUGITIVE DUST EMISSIONS DURING OR AFTER CONSTRUCTION. OIL MAY NOT BE USED FOR DUST CONTROL, BUT OTHER WATER ADDITIVES MAY BE CONSIDERED AS NEEDED. A STABILIZED CONSTRUCTION ENTRANCE (SCE) SHOULD BE INCLUDED TO MINIMIZE TRACKING OF MUD AND SEDIMENT. IF OFF-SITE TRACKING OCCURS, PUBLIC ROADS SHOULD BE SWEPT IMMEDIATELY AND NO LESS THAN ONCE A WEEK AND PRIOR TO SIGNIFICANT STORM EVENTS. OPERATIONS DURING DRY MONTHS, THAT EXPERIENCE FUGITIVE DUST PROBLEMS, SHOULD WET DOWN UNPAVED ACCESS ROADS ONCE A WEEK OR MORE FREQUENTLY AS NEEDED WITH A WATER ADDITIVE TO SUPPRESS FUGITIVE SEDIMENT AND DUST.

NOTE: DEWATERING A STREAM WITHOUT A PERMIT FROM THE DEPARTMENT MAY VIOLATE STATE WATER QUALITY STANDARDS AND THE NATURAL RESOURCES PROTECTION ACT.

4. DEBRIS AND OTHER MATERIALS: MINIMIZE THE EXPOSURE OF CONSTRUCTION DEBRIS, BUILDING AND LANDSCAPING MATERIALS, TRASH, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS TO PRECIPITATION AND STORMWATER RUNOFF. THESE MATERIALS MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE.

NOTE: TO PREVENT THESE MATERIALS FROM BECOMING A SOURCE OF POLLUTANTS, CONSTRUCTION AND POST-CONSTRUCTION ACTIVITIES RELATED TO A PROJECT MAY BE REQUIRED TO COMPLY WITH APPLICABLE PROVISION OF RULES RELATED TO SOLID, UNIVERSAL, AND HAZARDOUS WASTE, INCLUDING, BUT NOT LIMITED TO, THE MAINE SOLID WASTE AND HAZARDOUS WASTE MANAGEMENT RULES; MAINE HAZARDOUS WASTE MANAGEMENT RULES; MAINE OIL CONVEYANCE AND STORAGE RULES; AND MAINE PESTICIDE REOUIREMENTS.

EXCAVATION DEWATERING: EXCAVATION DEWATERING IS THE REMOVAL OF WATER FROM TRENCHES, FOUNDATIONS, COFFER DAMS, PONDS, AND OTHER AREAS WITHIN THE CONSTRUCTION AREA THAT RETAIN WATER AFTER EXCAVATION. IN MOST CASES THE COLLECTED WATER IS HEAVILY SILTED AND HINDERS CORRECT AND SAFE CONSTRUCTION PRACTICES. THE COLLECTED WATER REMOVED FROM THE PONDED AREA, EITHER THROUGH GRAVITY OR PUMPING, MUST BE SPREAD THROUGH NATURAL WOODED BUFFERS OR REMOVED TO AREAS THAT ARE SPECIFICALLY DESIGNED TO COLLECT THE MAXIMUM AMOUNT OF SEDIMENT POSSIBLE, LIKE A COFFERDAM SEDIMENTATION BASIN. AVOID ALLOWING THE WATER TO FLOW OVER DISTURBED AREAS OF THE SITE. EQUIVALENT MEASURES MAY BE TAKEN IF APPROVED BY THE DEPARTMENT.

NOTE: DEWATERING CONTROLS ARE DISCUSSED IN THE "MAINE EROSION AND SEDIMENT CONTROL BMPS, MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION."

6. AUTHORIZED NON-STORMWATER DISCHARGES: IDENTIFY AND PREVENT CONTAMINATION BY NON-STORMWATER DISCHARGES. WHERE ALLOWED NON-STORMWATER DISCHARGES EXIST, THEY MUST BE IDENTIFIED AND STEPS SHOULD BE TAKEN TO ENSURE THE IMPLEMENTATION OF APPROPRIATE POLLUTION PREVENTION MEASURES FOR THE NON-STORMWATER COMPONENT(S) OF THE DISCHARGE. AUTHORIZED NON-STORMWATER DISCHARGES ARE:.

 DISCHARGES FROM FIREFIGHTING ACTIVITY; FIRE HYDRANT FLUSHINGS;

- VEHICLE WASHWATER IF DETERGENTS ARE NOT USED AND WASHING IS LIMITED TO THE EXTERIOR OF VEHICLES (ENGINE,
- UNDERCARRIAGE, AND TRANSMISSION WASHING IS PROHIBITED); DUST CONTROL RUNOFF IN ACCORDANCE WITH PERMIT CONDITIONS AND APPENDIX (C)(3):
- ROUTINE EXTERNAL BUILDING WASHDOWN, NOT INCLUDING SURFACE PAINT REMOVAL, THAT DOES NOT INVOLVE DETERGENTS; PAVEMENT WASHWATER (WHERE SPILLS/LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED, UNLESS ALL SPILLED MATERIAL HAD BEEN REMOVED) IF DETERGENTS ARE NOT USED;
- UNCONTAMINATED AIR CONDITIONING OR COMPRESSOR CONDENSATE:
- UNCONTAMINATED GROUNDWATER OR SPRING WATER; FOUNDATION OR FOOTER DRAIN-WATER WHERE FLOWS ARE NOT CONTAMINATED;
- UNCONTAMINATED EXCAVATION DEWATERING (SEE REQUIREMENTS IN APPENDIX C(5)); POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHINGS; AND
- LANDSCAPE IRRIGATION

UNAUTHORIZED NON-STORMWATER DISCHARGES: THE DEPARTMENT'S APPROVAL UNDER THIS CHAPTER DOES NOT AUTHORIZE A DISCHARGE THAT IS MIXED WITH A SOURCE OF NON-STORMWATER, OTHER THAN THOSE DISCHARGES IN COMPLIANCE WITH APPENDIX C (6). SPECIFICALLY, THE DEPARTMENT'S APPROVAL DOES NOT AUTHORIZE DISCHARGES OF THE FOLLOWING:

- WASTEWATER FROM THE WASHOUT OR CLEANOUT OF CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS OF OTHER CONSTRUCTION MATERIALS;
- FUELS, OILS OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE;
- SOAPS, SOLVENTS, OR DETERGENTS USED IN VEHICLE AND EQUIPMENT WASHING; AND • TOXIC OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE.
- 8. <u>ADDITIONAL REQUIREMENTS</u>: ADDITIONAL REQUIREMENTS MAY BE APPLIED ON A SITE-SPECIFIC BASIS.





ENGINEERING ASSOCIATES, INC.



TABLE 2 MDEP LOAMY COARSE SAND GRADATION		TAB SPECIFICA SANDY LOA SANDY	LE 3 TIONS FOR AM TO FINE (LOAM	
	SIEVE SIZE	% BY WEIGHT	SIEVE SIZE	% BY WEIGHT
	#10	85-100	#4	75-95
	#20	70-100	#10	60-90
	#60	15-40	#40	35-85
	#200	8-15	#200	20-70
	#200 CLAY SIZE	<2%	#200 CLAY	<2.0

	1"	WALSH
PEDGE) WITH GE		ENGINEERING ASSOCIATES, INC. One Karen Dr., Suite 2A Westbrook, Maine 04092 ph: 207.553.9898
1/4" PER FT.	1/4" PER FT.	Copyright © 2024
1/4" PER FT.	GRANITE CAP (PIECE 3)	TE OF M TE OF M WILLIAM R. WALSH, III
ALIGN WITH ORT WALLS	GRANITE CAP - PLAN D1	No. 8204 3 CENSE SS/OVAL ENGINE
	NOTES:	
LTERNATE #1 FOR #8 RCING @ TOP , EACH FACE. URFACE. ., EACH WAY, R SHALL OR APPROVAL	 GENERAL NOTES: 1. FOOTINGS PROPORTIONED USING AN ASSUMED ALLOWABLE BEARING PRESSURE OF 3,000 p/sf. REFER TO NOTE 7 BELOW FOR SUBGRADE PREPARATION REQUIREMENTS. EARTHWORK: 2. FOUNDATION BACKFILL SHALL MEET THE FOLLOWING GRADATION REQUIRMENTS: SIEVE %PASSING 3" 100 no. 40 0 - 70 no. 200 0 - 5 3. FOUNDATION BACKFILL SHALL BE PLACED WITHIN 2' HORIZONTALLY OF THE OUTSIDE 	
S TONE BASE	 OF FOUNDATION BACKFILE STALLE BE FEACED WITHIN 2 HORIZONTALET OF THE OUTSIDE OF FOUNDATION WALLS, MEASURED AT THE GROUND SURFACE. THE MAXIMUM PARTICLE SIZE SHALL BE 4". 4. 3/4" COARSE AGGREGATE BENEATH FOUNDATION SHALL CONSIST OF A STANDARD GRADING, SUCH AS ASTM C33 SIZE 6 OR 67. 5. ALL BACKFILL SHALL BE PLACED IN LIFT THICKNESSES THAT CAN BE COMPACTED TO A MINIMUM OF 95% OF THE SOIL MAXIMUM DRY DENSITY DETERMINED IN ACCORDANCE WITH ASTM D 1557. IN NO CASE SHALL THE LIFT THICKNESS EXCEED 12" 	ale, Maine agement 24
IICALLY D TO RING	 WITHOUT THE CONSENT OF THE GEOTECHNICAL ENGINEER. 6. SITE PREPARATION SHALL CONSIST OF GRUBBING AND THEN PROOFROLLING THE EXISTING SUBGRADE SOIL. PROOFROLLING SHALL CONSIST OF A MINIMUM OF 3 PASSES IN EACH OF TWO DIRECTIONS USING A VIBRATORY ROLLER. SOFT, WAVY OR WET AREAS SHOULD BE OVEREXCAVATED AND REPLACED WITH GRAVEL BORROW. EXCESSIVELY WET AND SOFT AREAS BENEATH FOOTINGS MAY REQUIRE GROUND IMPROVEMENTS SUCH AS GEOTEXTILE FABRIC AND/OR CRUSHED STONE. EXCAVATION OF FOOTINGS SHALL NOT OCCUR UNTIL THE FOUNDATION FOOTPRINT HAS BEEN PROOFROLLED. BEDROCK SURFACES SHALL BE CLEANED OF LOOSE AND WEATHERED BEDROCK. 	Kpansion ey Road, Springv Emergency Mana vices ject #FAI ME-23-3 t Number #3743
	CONCRETE & REINFORCING: 7. ALL CONCRETE FOR FOOTINGS AND WALLS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 p/si, A MAXIMUM AGGREGATE SIZE OF 3/4" AND ENTRAINED AIR OF 5% (±1%) AND A SLUMP OF 4" (±1"). APPROVAL IS REQUIRED PRIOR TO USE OF ADMIXTURES.	Bry EX at y, 83 Stanl eterans & terans' Ser tration Pro ces Projec
<u>S</u>	8. CONCRETE SHALL BE PROTECTED FROM WEATHER. CONCRETE SHOULD BE ALLOWED TO CURE FOR AT LEAST 24 hrs. PRIOR TO REMOVAL OF THE FORMS DURING AIR TEMPERATURES ABOVE 40° AND AT LEAST 72 HOURS WHEN AIR TEMPERATURES ARE LESS THAN 40°.	Det (emetery anse, V a of Vet dminis
	 9. ALL REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH ACI 315. 10. ALL REINFORCING SPLINES SHALL BE CONSIDERED CLASS C TENSION LAP SPLICES UNLESS OTHERWISE NOTED. 11. REINFORCEMENT SHALL HAVE THE MINIMUM CONCRETE COVER - A CONCRETE DEPOSITED ON OR EXPOSED TO EARTH: 2" 	24 Cel Veterans' Co ment of Defe Bureau Cemetery A u of Genera
UIRED DRIP ES, SEE DETAIL SHEET Col-1	 B - CONCRETE EXPOSED TO WEATHER: 1-1 1/2" C - CONCRETE NOT EXPOSED TO THE EARTH OR WEATHER: 1" 12. ONE SET OF 5 CYLINDERS SHALL BE CAST (ASTM C31) FOR TESTING FOR EACH COLUMBARIUM FOUNDATION. SLUMP (ASTM C143), TEMPERATURE (ASTM C1064) AND AIR CONTENT (ASTM C231) SHALL BE PERFORMED ON EACH SET. SPECIMENS SHALL BE TESTED IN ACCORDANCE WITH ASTM C39 AS FOLLOWS: 1 SPECIMEN AT 7 DAYS AND 3 SPECIMENS AT 28 DAYS. ONE SPECIMEN SHALL BE HELD AND TESTED ONLY AT THE DIRECTION OF THE ENGINEER. 	20 Duthern Maine Maine Departr National Burea
	MASONRY: 13. CONCRETE MASONRY UNITS (CMU) SHALL MEET ASTM C-90. CMU SHALL BE HOLLOW HAVING NOMINAL FACE DIMENSIONS OF 8" x 16" AND A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2.000 p/si. THE MAXIMUM ALLOWABLE DRYING SHRINKAGE SHALL BE 0.065%.	Š
B1	14. MORTAR MIX SHALL COMPLY WITH THE PROVISIONS OF ASTM C270. MORTAR SHALL BE TYPE N, M, OR S. MORTAR MATERIALS SHALL BE MIXED IN A MECHANICAL MIXER BETWEEN 3 & 5 MINUTUES WITH A SUFFICIENT AMOUNT OF WATER TO PRODUCE A WORKABLE CONSISTENCY.	Rev. Date Description Drawn Check
1	15. GROUT FOR FILLING CAVITIES SHALL MEET THE REQUIREMENTS OF ASTM C476 AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,000 p/si AT 28 DAYS.	
	PRECAST CONCRETE: 16. CONCRETE FOR SUPPORT PANEL SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 psi. ENTRAINED AIR SHALL BE ADDED TO PROVIDE AN AIR CONTENT OF 5% (+/- 1%)	
	17. STEEL FOR REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A-615 GRADE 60. REINFORCING SHALL HAVE A MINIMUM COVER OF 3/4". 18. REFER TO ARCHITECTURAL PLANS FOR PRECAST FINISH/FACING.	Sheet Title:
-A1		Job No 105.5 Date: JULY 12, 2024 Scale: AS SHOWN Drawn: JDC Checked: NGC