II.4 EROSION CONTROL MEASURES AND SITE STABILIZATION

THE PROPOSED EROSION AND SEDIMENTATION CONTROL PLAN MEETS OR EXCEEDS THE SOIL CONSERVATION SERVICE ENVIRON QUALITY HANDBOOK.

THE PRIMARY EMPHASES OF THE EROSION/SEDIMENTATION CONTROL PLAN TO BE IMPLEMENTED FOR THE INFRASTRUCTURE CONSTRUCTION ARE AS FOLLOWS:

- DEVELOPMENT OF A CAREFUL CONSTRUCTION SEQUENCE.
- RAPID REVEGETATION OF DENUDED AREAS TO MINIMIZE THE PERIOD OF SOIL EXPOSURE.
- RAPID STABILIZATION OF DRAINAGE PATHS TO AVOID RILL AND GULLY EROSION. • THE USE OF ON-SITE MEASURES TO CAPTURE SEDIMENT (STONE CHECK DAMS/HAY BALES/SILT FENCE, ETC.)

THE FOLLOWING TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL DEVICES WILL BE IMPLEMENTED AS PART OF DEVELOPMENT. THESE DEVICES SHALL BE INSTALLED AS INDICATED ON THE PLANS OR AS DESCRIBED WITHIN THIS REPORT. FOI REFERENCE, SEE THE MAINE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION: BEST MANAGEMENT PRACTICE

- TEMPORARY EROSION CONTROL MEASURES Α.
 - THE FOLLOWING MEASURES ARE PLANNED AS TEMPORARY EROSION/SEDIMENTATION CONTROL MEASURES DURING CONST
 - 1. A TEMPORARY CRUSHED STONE-STABILIZED CONSTRUCTION ENTRANCE SHALL BE PLACED AT ANY ACCESS ROUTES OUT CONSTRUCTION ZONE.
 - 2. SILTATION FENCE OR WOOD WASTE COMPOST BERMS SHALL BE INSTALLED DOWNGRADIENT OF ANY DISTURBED AREAS RUNOFF BORNE SEDIMENTS UNTIL THE SITE IS FULLY STABILIZED. THE SILT FENCE AND/OR THE WOOD WASTE COMPOST SHALL BE INSTALLED PER THE DETAILS PROVIDED IN THIS PACKAGE AND INSPECTED AT LEAST ONCE A WEEK AND BEFOR AFTER A STORM EVENT. REPAIRS SHALL BE MADE IF THERE ARE ANY SIGNS OF EROSION OR SEDIMENTATION BELOW THE BERM LINE. IF THERE ARE SIGNS OF UNDERCUTTING AT THE CENTER OR THE EDGES, OR IMPOUNDING OF LARGE VOLUME WATER BEHIND FENCE OR BERM, THE BARRIER SHALL BE REPLACED WITH A STONE CHECK DAM.
 - 3. STRAW OR HAY MULCH INCLUDING HYDROSEEDING IS INTENDED TO PROVIDE COVER FOR DENUDED OR SEEDED AREAS U REVEGETATION IS ESTABLISHED AND SHOULD BE APPLIED AT A RATE A 115 LBS / 1000 S.F. MULCH PLACED BETWEEN APRI AND OCTOBER 15TH ON SLOPES OF LESS THEN 15 PERCENT SHALL BE ANCHORED BY APPLYING WATER; MULCH PLACED OF EQUAL TO OR STEEPER THAN 15 PERCENT SHALL BE COVERED BY A FABRIC NETTING AND ANCHORED WITH STAPLES ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION. MULCH PLACED BETWEEN OCTOBER 15TH AND APRIL 15TH O EQUAL TO OR STEEPER THAN 8 PERCENT SHALL BE COVERED WITH A FABRIC NETTING AND ANCHORED WITH STAPLES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SLOPES STEEPER THAN 3:1, WHICH ARE TO BE REVEGE SHALL RECEIVE CURLEX BLANKETS BY AMERICAN EXCELSIOR OR EQUAL. MULCH APPLICATION RATES ARE PROVIDED IN ATTACHMENT A OF THIS SECTION. MULCH SHALL NOT BE PLACED OVER SNOW.
 - 4. TEMPORARY STOCKPILES OF STUMPS, GRUBBINGS, OR COMMON EXCAVATION WILL BE PROTECTED AS FOLLOWS:
 - a. TEMPORARY STOCKPILES SHALL NOT BE LOCATED WITHIN 50 FEET OF ANY WETLANDS, WHICH WILL NOT BE DISTURBE ANY SLOPES WHICH EXCEED 15%.
 - b. STOCKPILES SHALL BE STABILIZED WITHIN 7 DAYS BY EITHER TEMPORARILY SEEDING THE STOCKPILE BY A HYDROSE METHOD CONTAINING AN EMULSIFIED MULCH TACKIFIER OR BY COVERING THE STOCKPILE WITH MULCH.
 - c. STOCKPILES SHALL BE SURROUNDED BY SILT FENCE OR OTHER SEDIMENT BARIER AT THE TIME OF FORMATION.
 - 5. FOR WORK, WHICH IS CONDUCTED BETWEEN OCTOBER 15 AND APRIL 15 OF ANY CALENDAR YEAR, ALL DENUDED AREAS V COVERED WITH HAY MULCH, APPLIED AT TWICE THE NORMAL APPLICATION RATE AND ANCHORED WITH FABRIC NETTING. PERIOD FOR APPLYING MULCH AS NOTED IN PARAGRAPH II.4.A.3, SHALL BE LIMITED TO 7 DAYS FOR ALL AREAS.
 - 6. RIVERSIDE STREET SHALL BE SWEPT TO CONTROL MUD AND DUST AS NECESSARY.
 - 7. DURING GRUBBING OPERATIONS, STONE CHECK DAMS SHALL BE INSTALLED AT ANY EVIDENT CONCENTRATED FLOW DISC POINTS.
 - 8. SILT FENCING WITH A MINIMUM STAKE SPACING OF 6 FEET SHOULD BE USED, UNLESS THE FENCE IS SUPPORTED BY WIRE REINFORCEMENT OF MINIMUM 14 GAUGE AND WITH A MAXIMUM MESH SPACING OF 6 INCHES, IN WHICH CASE STAKES MAY SPACED A MAXIMUM OF 10 FEET APART. THE BOTTOM OF THE FENCE SHALL BE ANCHORED.
 - 9. WOOD WASTE COMPOST/BARK BERMS MAY BE USED IN LIEU OF SILTATION FENCING. BERMS SHALL BE REMOVED AND SP LAYER NOT TO EXCEED 3" THICK ONCE UPGRADIENT AREAS ARE COMPLETED AND A 90% CATCH OF VEGETATION IS ATTAI
 - 10. WATER AND/OR CALCIUM CHLORIDE SHALL BE FURNISHED AND APPLIED IN ACCORDANCE WITH MDOT SPECIFICATIONS S 637 - DUST CONTROL.
 - 11. TEMPORARY CATCH BASIN INLET BARRIERS SHALL BE INSTALLED THROUGHOUT THE COURSE OF CONSTRUCTION. ACCEF BARRIERS INCLUDE SILKSACKS, STONE SEDIMENT BARRIERS OR OTHER EQUIVALENT DEVICES.
 - 12. CONSTRUCT TEMPORARY SEDIMENT BASIN IN THE STORMWATER MANAGEMENT BASIN AREA. REFER TO RESTRICTIONS FOR CONSTRUCTION OF FINAL BASIN ON DETAIL SHEET C-7.0.
- PERMANENT EROSION CONTROL MEASURES В.
 - THE FOLLOWING PERMANENT EROSION CONTROL MEASURES HAVE BEEN DESIGNED AS PART OF THE EROSION/SEDIMENTATION CONTROL PLAN:
 - 1. ALL STORM DRAIN PIPE OUTLETS SHALL HAVE RIPRAP APRONS AT THEIR OUTLET TO PROTECT THE OUTLET AND RECEIVIN CHANNEL OF THE CULVERTS FROM SCOUR AND DETERIORATION. INSTALLATION DETAILS ARE INCLUDED WITHIN THE PLAI THIS PACKAGE. THE APRONS SHALL BE INSTALLED AND STABILIZED TO THE EXTENT PRACTICABLE PRIOR TO DIRECTING F THE TRIBUTARY PIPE OR CULVERT.
 - 2. ALL AREAS DISTURBED DURING CONSTRUCTION, BUT NOT SUBJECT TO OTHER RESTORATION (PAVING, RIPRAP, ETC.) WIL LOAMED, LIMED, FERTILIZED, MULCHED, AND SEEDED. FABRIC NETTING, ANCHORED WITH STAPLES, SHALL BE PLACED ON MULCH IN AREAS AS NOTED IN PARAGRAPH II.4.A.3. ALL AREAS WITHIN 50 FEET OF AN UNDISTURBED WETLAND SHALL BE PRIOR TO ANY PREDICTED RAIN EVENT REGARDLESS OF THE 7-DAY WINDOW. NATIVE TOPSOIL SHALL BE STOCKPILED AN FOR FINAL RESTORATION WHEN IT IS OF SUFFICIENT QUALITY.
- C. IMPLEMENTATION SCHEDULE

THE FOLLOWING CONSTRUCTION SEQUENCE SHALL BE REQUIRED FOR THE SITE DEVELOPMENT TO INSURE THE EFFECTIVENESS OF T EROSION AND SEDIMENTATION CONTROL MEASURES ARE OPTIMIZED:

NOTE: FOR ALL GRADING ACTIVITIES, THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION NOT TO OVEREXPOSE THE SITE BY LIMIT DISTURBED AREA.

- 1. INSTALL STABILIZED CONSTRUCTION ENTRANCE(S) SITE ENTRY/EXIST LOCATIONS.
- 2. CLEAR AREA NECESSARY FOR THE PARKING AREA/BUILDING CONSTRUCTION.
- 3. INSTALL PERIMETER SILTATION FENCE AND/OR WOOD WASTE BERMS PRIOR TO GRUBBING RESPECTIVE AREAS.
- 4. GRUB WORK AREA FOR PARKING LOTS AND BUILDINGS.
- 5. DURING GRUBBING OPERATIONS, INSTALL STONE CHECK DAMS AT ANY EVIDENT CONCENTRATED FLOW DISCHARGE POIN
- 6. COMMENCE EARTHWORK AND GRADING TO SUBGRADE AS NECESSARY FOR THE PARKING LOTS AND WALKWAYS.
- 7. COMMENCE EARTHWORK AND GRADING TO SUBGRADE AS NECESSARY FOR THE BUILDING FOUNDATION.
- 8. COMMENCE INSTALLATION OF DRAINAGE APPURTENANCES, INCLUDING CATCH BASINS, MANHOLES, ETC.
- 9. COMMENCE INSTALLATION OF UNDERGROUND UTILITIES.

PRELIMINARY - NOT FOR CONSTRUCT

IMENTAL	10. CONTINUE EARTHWORK AND GRADING TO SUBGRADE AS NECESSARY FO	FABRIC NETTING ANCHORED WITH STAPLES. IF DORMANT SEEDING IS USED FOR THE SITE, ALL DISTURBED AREAS SHALL RECEIVE 4" OF LOAM AND SEED AT AN APPLICATION RATE OF 5 LBS/1000 S.F. ALL AREAS SEEDED DURING THE WINTER SHALL BE INSPECTED IN THE SPRING FOR ADEQUATE CATCH. ALL AREAS INSUFFICIENTLY VEGETATED (LESS THAN 75% CATCH) SHALL BE REVEGETATED BY REPLACING LOAM, SEED AND MULCH. IF DORMANT SEEDING IS NOT USED FOR THE SITE, ALL DISTURBED AREAS SHALL BE REVEGETATED IN THE SPRING.				
	12. COMMENCE BUILDING FOUNDATIONS.	7. DEWATERING				
	 13. INSTALL SUBBASE AND BASE COURSE GRAVELS WITHIN PARKING LOTS AND WALKWAYS. 14. COMPLETE INSTALLATION OF DRAINAGE APPURTENANCES AND UTILITY APPURTENANCES. 15. COMPLETE UNDERGROUND TANK INSTALLATION AND REINFORCED CONCRETE PADS FOR TRUCK FILLING. 		WATER FROM CONSTRUCTION TRENCH DEWATERING SHALL PASS FIRST THROUGH A FILTER BAG OR SECONDARY CONTAINMENT STRUCTURE (E.G. HAY BALE LINED POOL) PRIOR TO DISCHARGE. THE DISCHARGE SITE SHALL BE SELECTED TO AVOID FLOODING, ICING, AND SEDIMENT DISCHARGES TO A PROTECTED RESOURCE. IN NO CASE SHALL THE FILTER BAG OR CONTAINMENT STRUCTURE BE LOCATED WITHIN 50 FEET OF A PROTECTED NATURAL RESOURCE. 8. INSPECTION AND MONITORING			
THE SITE	16. INSTALL BASE COURSE PAVING FOR THE PARKING LOTS.	CRETE FADO FOR TROOR FILLING.	MAINTENANCE MEASURES SH	ALL BE APPLIED AS NEEDED DURING THE ENTIRE CON	NSTRUCTION SEASON. AFTER EACH RAINFALL, SNOW STORM	
R FURTHER			OR PERIOD OF THAWING AND RUNOFF, THE SITE CONTRACTOR SHALL PERFORM A VISUAL INSPECTION OF ALL INSTALLED EROSION CONTROL MEASURES AND PERFORM REPAIRS AS NEEDED TO INSURE THEIR CONTINUOUS FUNCTION. FOLLOWING THE TEMPORARY AND/OR FINAL			
:S.	17. CONTINUE BUILDING CONSTRUCTION.		,	CONTRACTOR SHALL IN THE SPRING INSPECT AND F IVER MEANS A MINIMUM OF 85% TO 90% OF AREAS VE	REPAIR ANY DAMAGES AND/OR UNESTABLISHED SPOTS. EGETATED WITH VIGOROUS GROWTH.	
	18. INSTALL SURFACE COURSE PAVING FOR THE PARKING, AND WALKWAY A	REAS.	F. <u>STANDARDS FOR TIM</u>	IELY STABILIZATION OF CONSTRUCTION SITES DURIN	NG WINTER	
RUCTION:	19. LOAM, LIME, FERTILIZE, SEED AND MULCH DISTURBED AREAS.		1. STANDARD FOR THE TIMELY STABILIZATION OF DITCHES AND CHANNELS THE APPLICANT SHALL CONSTRUCT AND STABILIZE ALL			
OF THE	20. REMOVE ACCUMULATED SEDIMENT FROM AHEAD OF ANY SEDIMENT BARRIERS AS NECESSARY.		STONE-LINED DITCHES AND CHANNELS ON THE SITE BY NOVEMBER 15. THE APPLICANT SHALL CONSTRUCT AND STABILIZE ALL GRASS-LINED DITCHES AND CHANNELS ON THE SITE BY SEPTEMBER 15. IF THE APPLICANT FAILS TO STABILIZE A DITCH OR CHANNEL TO BE GRASS-LINED BY			
TO TRAP	21. ONCE THE SITE IS STABILIZED AND A 90% CATCH OF VEGETATION HAS BE CONTROL MEASURES.	EEN OBTAINED, REMOVE ALL TEMPORARY EROSION	SEPTEMBER 15, THEN THE APP	PLICANT WILL TAKE ONE OF THE FOLLOWING ACTION	S TO STABILIZE THE DITCH FOR LATE FALL AND WINTER.	
BERMS E AND	22. TOUCH UP LOAM AND SEED.				THE DITCH WITH PROPERLY INSTALLED SOD BY OCTOBER 1. OD ONTO THE SOIL WITH WIRE PINS, ROLLING THE SOD TO	
E FENCE OR ES OF	23. COMPLETE PAVEMENT MARKINGS AND SIGNAGE		GUARANTEE	CONTACT BETWEEN THE SOD AND UNDERLYING SOIL	, WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE IC MESH TO PREVENT THE SOD STRIPS FROM SLOUGHING	
				V CONDITIONS.		
JNTIL IL 15TH	PRIOR TO CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL SUBMIT TO THE WHICH WILL SATISFY THE FOLLOWING CRITERIA:	OWNER A SCHEDULE FOR THE COMPLETION OF THE WORK,			NE THE DITCH WITH STONE RIPRAP BY NOVEMBER 15. THE TO DETERMINE THE STONE SIZE AND LINING THICKNESS	
ON SLOPES	1. THE ABOVE CONSTRUCTION SEQUENCE SHOULD GENERALLY BE COMPL		NEEDED TO V	VITHSTAND THE ANTICIPATED FLOW VELOCITIES AND	FLOW DEPTHS WITHIN THE DITCH. IF NECESSARY, THE	
IN N SLOPES	SEPARATE ITEMS MAY BE CONSTRUCTED SIMULTANEOUSLY. WORK MUS	ST ALSO BE SCHEDULED OR PHASED TO LIMIT THE EXTENT		HALL REGRADE THE DITCH PRIOR TO PLACING THE S IE DITCH'S CROSS-SECTIONAL AREA.	TONE LINING SO TO PREVENT THE STONE LINING FROM	
TATED,	OF THE EXPOSED AREAS AS SPECIFIED BELOW. THE INTENT OF THIS SEQUENCE IS TO PROVIDE FOR EROSION CONTROL AND TO HAVE STRUCTURAL MEASURES SUCH AS SILT FENCE AND CONSTRUCTION ENTRANCES IN PLACE BEFORE LARGE AREAS OF LAND ARE DENUDED. 2. THE WORK SHALL BE CONDUCTED IN SECTIONS WHICH WILL:		2. <u>STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SLOPES</u> THE APPLICANT SHALL CONSTRUCT AND STABILIZE STONE-COVERED SLOPES BY NOVEMBER 15. THE APPLICANT SHALL SEED AND MULCH ALL SLOPES TO BE VEGETATED BY SEPTEMBER 15. THE DEPARTMENT			
					O BE VEGETATED BY SEPTEMBER 15. THE DEPARTMENT A SLOPE. IF THE APPLICANT FAILS TO STABILIZE ANY SLOPE TO	
			BE VEGETATED BY SEPTEMBER AND WINTER.	R 15, THEN THE APPLICANT SHALL TAKE ONE OF THE	FOLLOWING ACTIONS TO STABILIZE THE SLOPE FOR LATE FALL	
ED AND	 a. LIMIT THE AMOUNT OF EXPOSED AREA TO THOSE AREAS IN WHICH V PROCEEDING 30 DAYS. 	a. STABILIZE TH	E SOIL WITH TEMPORARY VEGETATION AND EROSIO	N CONTROL MATS BY OCTOBER 1 THE APPLICANT SHALL		
	b. REVEGETATE DISTURBED AREAS AS RAPIDLY AS POSSIBLE. ALL ARE	EAS SHALL BE PERMANENTLY STABILIZED WITHIN 7 DAYS OF	SEED THE DIS	STURBED SLOPE WITH WINTER RYE AT A SEEDING RA	ATE OF 3 POUNDS PER 1,000 SQUARE FEET AND APPLY ICANT SHALL MONITOR GROWTH OF THE RYE OVER THE NEXT	
ED	FINAL GRADING OR BEFORE A STORM EVENT.		30 DAYS. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR COVER AT LEAST 75% OF THE DISTURBED SLOPE BY NOVEMBER 1, THEN THE APPLICANT SHALL COVER THE SLOPE WITH A LAYER OF WOODWASTE COMPOST AS DESCRIBED IN ITEM			
	c. INCORPORATE PLANNED INLETS AND DRAINAGE SYSTEM AS EARLY AS POSSIBLE INTO THE CONSTRUCTION PHASE.			ANDARD OR WITH STONE RIPRAP AS DESCRIBED IN I		
VILL BE	A. EROSION, SEDIMENTATION AND STABILIZATION CONTROL PLAN				ZE THE DISTURBED SLOPE WITH PROPERLY INSTALLED SOD BY INNING THE SOD ONTO THE SLOPE WITH WIRE PINS, ROLLING	
THE TIME	THE EROSION, SEDIMENTATION AND STABILIZATION CONTROL DETAILS ARE INCLUDED IN THE PLAN SET. B. WINTER STABILIZATION PLAN		THE SOD TO GUARANTEE CONTACT BETWEEN THE SOD AND UNDERLYING SOIL, AND WATERING THE SOD TO PROMOTE ROOT GROWTH INTO THE DISTURBED SOIL. THE APPLICANT SHALL NOT USE LATE-SEASON SOD INSTALLATION TO STABILIZE SLOPES HAVING A GRADE GREATER THAN 33% (3H:1V).			
	THE WINTER CONSTRUCTION PERIOD IS FROM NOVEMBER 1 THROUGH APRIL 15. IF T				CANT SHALL PLACE A SIX-INCH LAYER OF WOODWASTE	
CHARGE	PAVEMENT, A ROAD GRAVEL BASE, 75% MATURE VEGETATION COVER OR RIPRAP BY NOVEMBER 15 THEN THE SITE NEEDS TO BE PROTECTED WITH OVER-WINTER STABILIZATION. AN AREA CONSIDERED OPEN IS ANY AREA NOT STABILIZED WITH PAVEMENT; VEGETATION, MULCHING,		COMPOST ON THE SLOPE BY NOVEMBER 15. PRIOR TO PLACING THE WOODWASTE COMPOST, THE APPLICANT WILL REMOVE ANY SNOW ACCUMULATION ON THE DISTURBED SLOPE. THE APPLICANT SHALL NOT USE WOODWASTE COMPOST TO STABILIZE SLOPES HAVING GRADES GREATER THAN 50% (2H:1V) OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE.			
FENCE	EROSION CONTROL MATS, RIPRAP OR GRAVEL BASE ON A PARKING LOT.					
Υ BE	WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED SUCH THAT NO MORE ANY ONE TIME. LIMIT THE EXPOSED AREA TO THOSE AREAS IN WHICH WORK IS EXPE	d. STABILIZE THE SLOPE WITH STONE RIPRAP THE APPLICANT SHALL PLACE A LAYER OF STONE RIPRAP ON THE SLOPE BY NOVEMBER 15. THE APPLICANT SHALL HIRE A REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE NEEDED				
READ IN A	DAYS AND THAT CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT.	FOR STABILITY AND TO DESIGN A FILTER LAYER FOR UNDERNEATH THE RIPRAP.				
NED.	ALL AREAS SHALL BE CONSIDERED TO BE DENUDED UNTIL THE SUBBASE GRAVEL IS INSTALLED IN PARKING AREAS OR THE AREAS OF FUTURE LOAM AND SEED HAVE BEEN LOAMED, SEEDED AND MULCHED. HAY AND STRAW MULCH RATE SHALL BE A MINIMUM OF 150 LBS./1,000 S.F. (3				ER 15 THE APPLICANT SHALL SEED AND MULCH ALL DISTURBED ABILIZE THESE SOILS BY THIS DATE, THEN THE APPLICANT	
SECTION	TONS/ACRE) AND SHALL BE PROPERLY ANCHORED.		SHALL TAKE ONE OF THE FOLL	OWING ACTIONS TO STABILIZE THE SOIL FOR LATE F	ALL AND WINTER.	
TABLE	THE CONTRACTOR SHALL INSTALL ANY ADDED MEASURES, WHICH MAY BE NECESSARY TO CONTROL EROSION/SEDIMENTATION FROM THE SITE DEPENDENT UPON THE ACTUAL SITE AND WEATHER CONDITIONS. CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED, IN ORDER TO MINIMIZE AREAS WITHOUT EROSION CONTROL PROTECTION. <u>1. SOIL STOCKPILES</u>		 a. <u>STABILIZE THE SOIL WITH TEMPORARY VEGETATION</u> BY OCTOBER 1 THE APPLICANT SHALL 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 APPLICANT SHALL MONITOR GROWTH OF THE RYE OVER THE NEXT 30 DAYS. IF THE RYE FAILS GROW AT LEAST THREE INCHES OR COVER AT LEAST 75% OF THE DISTURBED SOIL BEFORE NOVEMBER 15, THEN THE APPLICANT SHALL MULCH THE AREA FOR OVER-WINTER PROTECTION AS DESCRIBED IN ITEM III OF THIS STANDARD. b. <u>STABILIZE THE SOIL WITH SOD</u> THE APPLICANT SHALL STABILIZE THE DISTURBED SOIL WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES THE APPLICANT 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 			
OR						
	STOCKPILES OF SOIL OR SUBSOIL SHALL BE MULCHED FOR OVER WINTER PROTECTION WITH HAY OR STRAW AT TWICE THE NORMAL RATE OR AT 150 LBS/1,000 S.F. (3 TONS PER ACRE) OR WITH A FOUR-INCH LAYER OF WOODWASTE EROSION CONTROL MIX. THIS SHALL BE DONE WITHIN 24 HOURS OF STOCKING AND RE-ESTABLISHED PRIOR TO ANY RAINFALL OR SNOWFALL. ANY SOIL STOCKPILE SHALL NOT BE PLACED (EVEN COVERED WITH HAY OR STRAW) WITHIN 50 FEET FROM ANY NATURAL RESOURCES.					
אר	2. NATURAL RESOURCE PROTECTION			O THE DISTURBED SOIL.	ING SOIL, AND WATERING THE SOD TO PROMOTE ROOT	
	ANY AREAS WITHIN 50 FEET FROM ANY NATURAL RESOURCES, IF NOT STABILIZED WITHIN BE MULCHED BY DECEMBER 1 AND ANCHORED WITH PLASTIC NETTING OR PROTECTE	 c. <u>STABILIZE THE SOIL WITH MULCH</u> BY NOVEMBER 15 THE APPLICANT SHALL 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. PRIOR TO APPLYING THE MULCH, THE APPLICANT SHALL REMOVE ANY SNOW ACCUMULATION ON THE DISTURBED AREA. IMMEDIATELY AFTER APPLYING THE MULCH, THE APPLICANT WILL ANCHOR THE MULCH WITH PLASTIC NETTING TO PREVENT WIND FROM MOVING THE MULCH OFF THE DISTURBED SOIL. G. <u>MAINTENANCE OF FACILITIES</u> 				
NG N SET WITH	CONSTRUCTION, A DOUBLE LINE OF SEDIMENT BARRIERS (I.E. SILT FENCE BACKED W					
RUNOFF TO	PLACED BETWEEN ANY NATURAL RESOURCE AND THE DISTURBED AREA. EXISTING PROJECTS NOT STABILIZED BY DECEMBER 1 SHALL BE PROTECTED WITH THE SECOND LINE OF SEDIMENT BARRIER TO ENSURE FUNCTIONALITY DURING THE SPRING THAW AND RAINS. 3. SEDIMENT BARRIERS DURING EDURING AND FROM AN EDURING AND FROM AN EDURING THE DEPURE AN EDURING THE DEPURE AN EDURING THE DEPURE					
L BE /ER THE	DURING FROZEN CONDITIONS, SEDIMENT BARRIERS SHALL CONSIST OF WOODWASTE FILTER BERMS AS FROZEN SOIL PREVENTS THE PROPEF INSTALLATION OF HAY BALES AND SEDIMENT SILT FENCES.		THE STORMWATER FACILITIES WILL BE MAINTAINED BY THE APPLICANT, OR THEIR ASSIGNED HEIRS. THE CONTRACT DOCUMENTS WILL REQUIRE			
MULCHED D REUSED	4. MULCHING		THE CONTRACTOR TO DESIGNATE A PERSON, WHO HAS KNOWLEDGE OF EROSION AND STORMWATER CONTROL INCLUDING THE STANDARDS AND CONDITIONS IN THE PERMIT, TO BE RESPONSIBLE FOR MAINTENANCE OF THE SEDIMENTATION CONTROL FEATURES DURING CONSTRUCTION			
	AN AREA SHALL BE CONSIDERED DENUDED UNTIL AREAS OF FUTURE LOAM AND SEED HAVE BEEN LOAMED, SEEDED AND MULCHED. HAY AND STRAW MULCH SHALL BE APPLIED AT A RATE OF 150 LB. PER 1,000 SQUARE FEET OR 3 TONS/ACRE (TWICE THE NORMAL ACCEPTED RATE OF 75-LBS./1,000 S.F. OR 1.5 TONS/ACRE) AND SHALL BE PROPERLY ANCHORED. MULCH SHALL NOT BE SPREAD ON TOP OF SNOW. THE SNOW SHALL BE REMOVED DOWN TO A ONE-INCH DEPTH OR LESS PRIOR TO APPLICATION. AFTER EACH DAY OF FINAL GRADING, THE AREA SHALL BE PROPERLY STABILIZED WITH ANCHORED HAY OR STRAW OR EROSION CONTROL MATTING. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR HAY AT A RATE OF 150 LB. PER 1,000 SQUARE FEET (3		AS REQUIRED BY THE EROSION CONTROL REPORT. DOCUMENTATION OF ANY INSPECTIONS, MAINTENANCE, AND ANY CORRECTIVE ACTIONS TAKEN SHALL BE SUMMARIZED IN A LOG (REPORT). THE LOG SHALL COMPLY WITH CHAPTER 500 APPENDIX B,1,C AND APPENDIX B,2,D, OF THE STATE OF MAINE DEP, STORMWATER MANAGEMENT RULES. LONG-TERM OPERATION/MAINTENANCE RECOMMENDED FOR THE STORMWATER FACILITY IS PRESENTED BELOW. THE RESPONSIBLE PARTY MAY CONTRACT WITH SUCH PROFESSIONALS, AS MAY BE NECESSARY IN ORDER TO COMPLY WITH THIS PROVISION AND MAY RELY ON THE ADVICE OF SUCH PROFESSIONALS IN CARRYING OUT ITS DUTY HEREUNDER, PROVIDED, THAT THE FOLLOWING OPERATION AND MAINTENANCE PROCEDURES ARE HEREBY ESTABLISHED AS A MINIMUM FOR COMPLIANCE WITH THIS SECTION. • PARKING LOTS - CLEAR ACCUMULATIONS OF WINTER SAND AT LEAST FOUR TIMES A YEAR, PREFERABLY IN THE SPRING. EXCESS SHOULDER MATERIAL SHALL BE REMOVED MANUALLY OR BY FRONT-END LOADER. INSPECT PARKING LOT SIDE SLOPES ON AN ANNUAL BASIS FOR SLOUGHING OR UNDESIRABLE GROWTH.			
ΉE						
	TONS/ACRE) AND ADEQUATELY ANCHORED THAT GROUND SURFACE IS NOT VISIBLE THOUGH THE MULCH.					
TING THE	BETWEEN THE DATES OF NOVEMBER 1 AND APRIL 15, ALL MULCH SHALL BE ANCHORED BY EITHER PEG LINE, MULCH NETTING, ASPHALT EMULSION CHEMICAL, TRACK OR WOOD CELLULOSE FIBER. WHEN GROUND SURFACE IS NOT VISIBLE THROUGH THE MULCH THEN COVER IS SUFFICIENT. AFTER NOVEMBER 1ST, MULCH AND ANCHORING OF ALL BARE SOIL SHALL OCCUR AT THE END OF EACH FINAL GRADING WORKDAY.					
	<u>5. MULCHING ON SLOPES AND DITCHES</u> SLOPES SHALL NOT BE LEFT EXPOSED FOR ANY EXTENDED TIME OF WORK SUSPENSION UNLESS FULLY MULCHED AND ANCHORED WITH PEG					
	AND NETTING OR WITH EROSION CONTROL BLANKETS. MULCHING SHALL BE APPLIED AT A RATE OF 230 LBS/1,000 S.F. ON ALL SLOPES GREATER THAN 8% OR GREATER.		 CATCH BASINS - REMOVINVERT BUT NO LESS TI 		HAS ACCUMULATED TO WITHIN 6 INCHES OF THE OUTLET	
	MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A					
TS.	DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAT 8%. EROSION CONTROL BLANKETS SHALL BE USED IN LIEU OF MULCH IN ALL DRAINAGE WAYS WITH SLOPES 8% OR GREATER. EROSION CONTROL MIX CAN BE USED TO SUBSTITUTE EROSION CONTROL BLANKETS ON ALL					
	SLOPES EXCEPT DITCHES.					
	6. SEEDING BETWEEN THE DATES OF OCTOBER 15 AND APRIL 1ST LOAM OR SEED WILL NOT BE R	6. SEEDING BETWEEN THE DATES OF OCTOBER 15 AND APRIL 1ST, LOAM OR SEED WILL NOT BE REQUIRED. DURING PERIODS OF ABOVE FREEZING				
	TEMPERATURES FINISHED AREAS SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDED AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED. IF THE DATE IS AFTER NOVEMBER 1ST AND IF THE EXPOSED AREA HAS BEEN LOAMED,					
FINAL GRADED WITH A UNIFORM SURFACE, THEN THE AREA MAY BE DORMANT SEEDED AT A RATE OF 3 TIMES HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. DORMANT SEEDING MAY BE SELECTED TO BE PLACED PRIOR TO THE PLACEMENT OF MULCH AND						
	FERMANENT SEED AND THEN MULCHED. DURMANT SEEDING MAY BE SELECTED TO E					
			WHEOF MAMA	SUBURBAN PROPANE	STANTEC CONSULTING SERVICES INC.	
			16 MM	RELOCATION	778 MAIN ST, SUITE 8	
			BO KENNEDY No. 11994	SHEET TITLE	SOUTH PORTLAND, ME 04106 WWW.STANTEC.COM	
			The source all	EROSION CONTROL NOTES	DRAWN: DED DATE: SEPT 2014	
2 02.29.16 FINAL SITE AND SUBDIVISION PLANS SUBMITTED TO CITY 1 01.22.16 SUBMITTED TO CLIENT FOR REVIEW		Stonal Built	CLIENT THOMPSON'S POINT	DESIGNED:BEKSCALE:AS NOTEDCHECKED:BEKJOB NO.195350142		
101.22.16REVDATE		REV DATE DESCRIPTION	P.E.OBGAKEANNEDY	DEVELOPMENT CO. INC.	FILE NAME: SP-M157 DETAILS SHEET C-6 1	
		REVISIONS	LIC. # 11994		SHEET C-6.1	