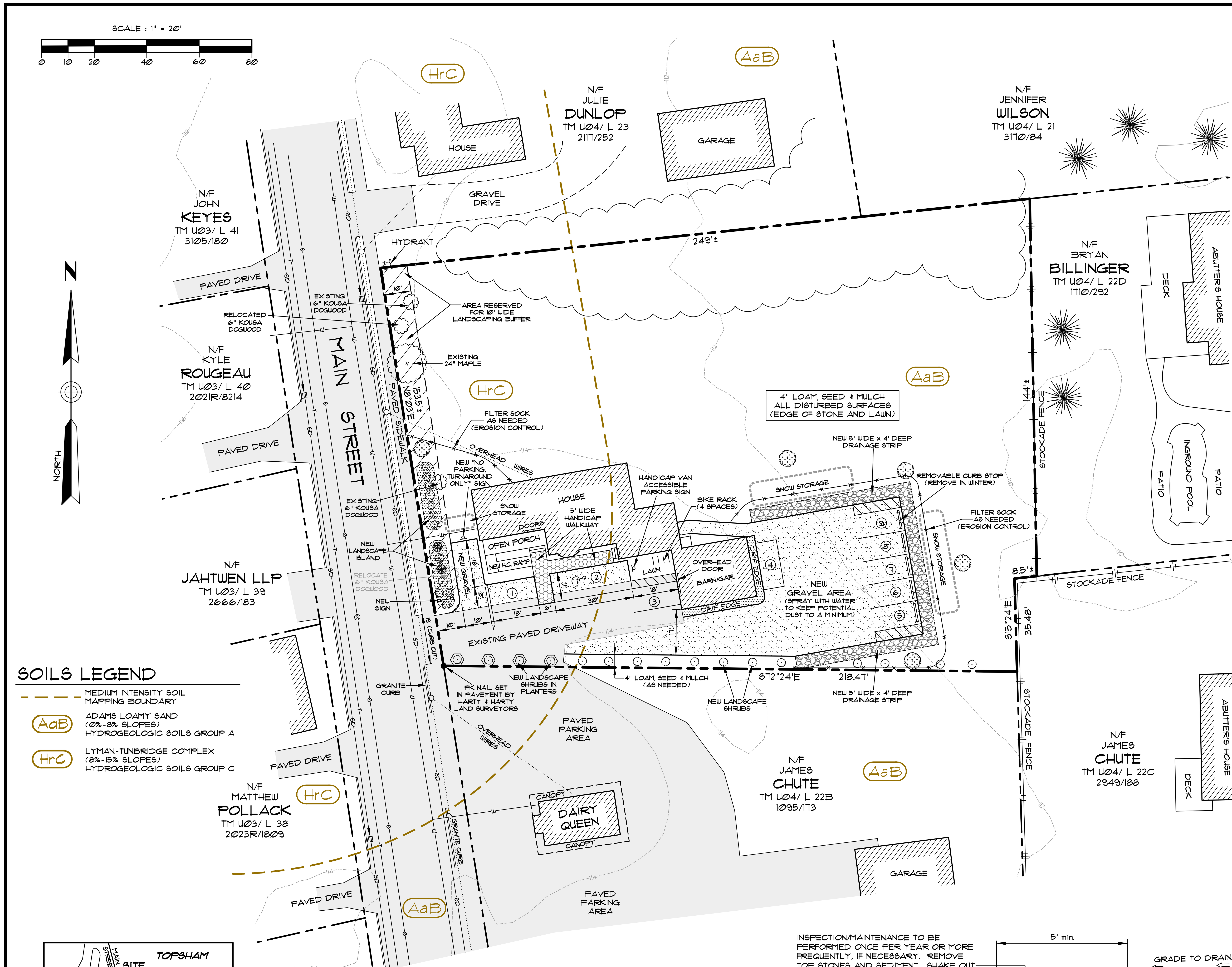
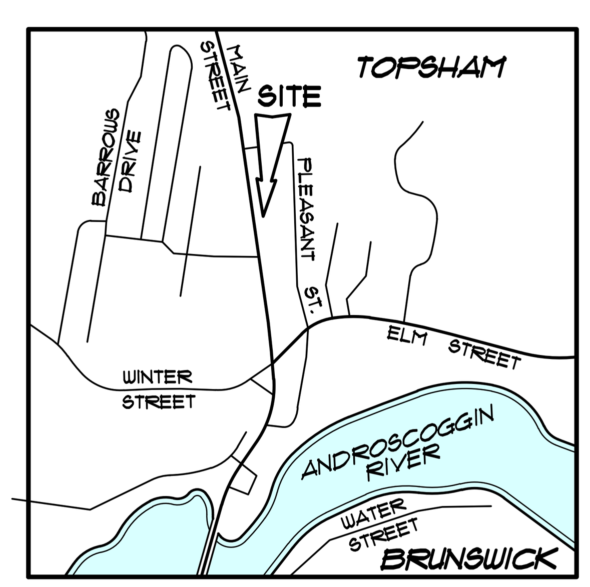


SOILS LEGEND

- MEDIUM INTENSITY SOIL MAPPING BOUNDARY
- AaB — ADAMS LOAMY SAND (0%-8% SLOPES) HYDROGEOLOGIC SOILS GROUP A
- HrC — LYMAN-TUNBRIDGE COMPLEX (8%-15% SLOPES) HYDROGEOLOGIC SOILS GROUP C



LOCATION MAP

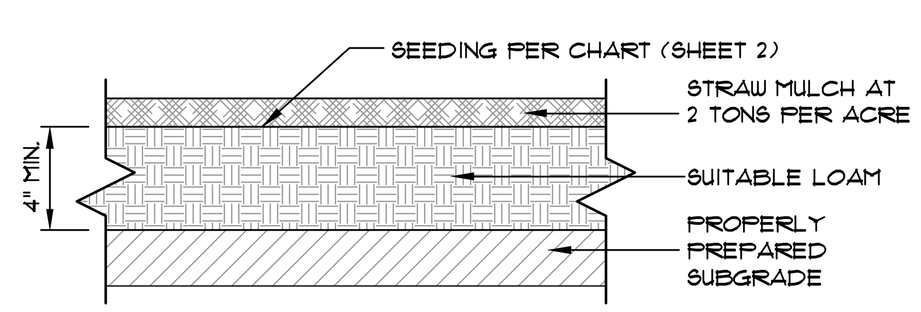
SITE TABULATIONS

EXISTING CONDITIONS

BUILDING & STEPS = 2713 sf
DRIVEWAY = 2005 sf
TOTAL IMPERVIOUS = 4718 sf (12.0%)
GREEN SPACE = 34,462 sf (88.0%)
TOTAL AREA = 39,180 sf

PROPOSED CONDITIONS

BUILDING, STEPS & H.C. RAMP = 2793 sf
DRIVEWAY, PARKING & WALKWAY = 6861 sf
TOTAL IMPERVIOUS = 9654 sf (24.6%)
GREEN SPACE = 29,526 sf (75.4%)
TOTAL AREA = 39,180 sf

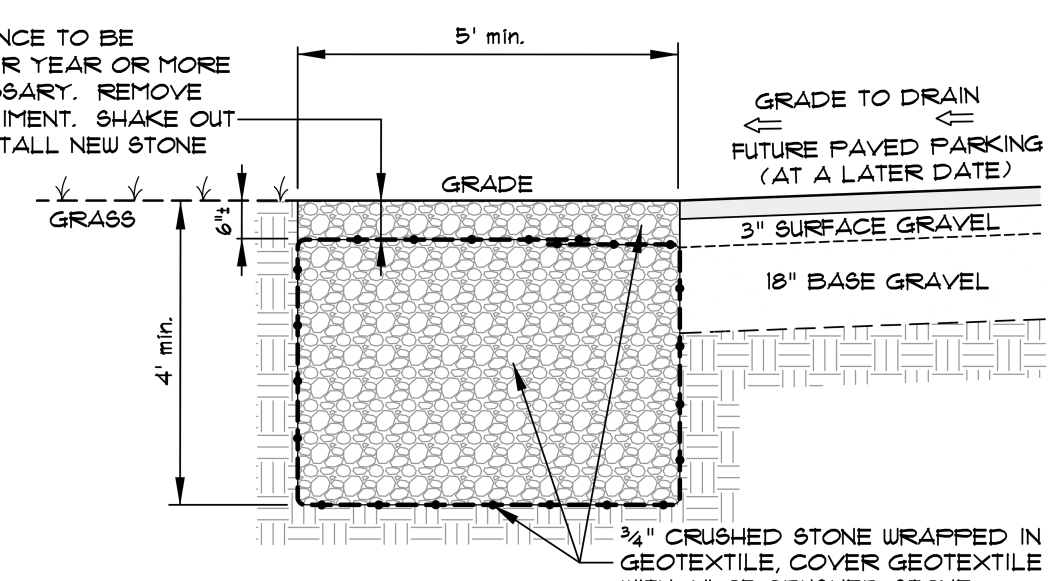


PLACE LOAM & SEED ON ALL DISTURBED AREAS NOT TO BE RIP RAPPED OR GRAVELED

LOAM & SEED DETAIL

NOT TO SCALE

INSPECTION/MAINTENANCE TO BE PERFORMED ONCE PER YEAR OR MORE FREQUENTLY, IF NECESSARY. REMOVE TOP STONES AND SEDIMENT. SHAKE OUT OVERLAP FABRIC, INSTALL NEW STONE



CRUSHED STONE DRAINAGE STRIP

NOT TO SCALE

NOTES

1) ALL BOOK AND PAGE NUMBERS REFER TO THE SAGADAHOC COUNTY REGISTRY OF DEEDS.
2) BOUNDARY INFORMATION WAS TAKEN FROM A PLAN ENTITLED "PROPERTY SURVEY OF DAIRY QUEEN LOT", DATED JULY 11, 1985, RECORDED AT SAID REGISTRY IN PLAN BOOK 27, PAGE 51.
3) PROPERTY OWNER INFORMATION WAS TAKEN FROM TOWN OF TOPSHAM ASSESSING RECORDS.
4) OWNER OF RECORD - CP ROGERS, LLC DEED REFERENCES - BOOK 2025R, PAGE 971 TAX MAP U04, LOT 22
5) PARCEL AREA = 39,180 sf
6) CONTOUR LINES (2' INTERVAL, LIDAR) WERE DOWNLOADED FROM THE N.O.A.A. WEBSITE AND ARE DATED 2023.
7) THE PARCEL IS LOCATED IN THE MIDDLE VILLAGE ZONING DISTRICT. MINIMUM LOT SIZE = 15,000 sf MINIMUM FRONTAGE = 100' MINIMUM SETBACKS: FRONT & REAR = 25', SIDE = 15'
8) THE PARCEL IS NOT LOCATED WITHIN A 100-YEAR FLOOD HAZARD AREA AS SHOWN ON THE F.E.M.A. FLOOD INSURANCE RATE MAP, PANEL #23023C 187F, DATED JULY 16, 2015.
9) TOPOGRAPHIC CONTOURS (2020, 2ft LIDAR) WERE OBTAINED FROM THE N.O.A.A. WEBSITE.
10) REFERENCE IS MADE TO A PLAN ENTITLED "STATE OF MAINE, DEPARTMENT OF TRANSPORTATION, RIGHT OF WAY MAP", DATED AUGUST 2001, RECORDED AT SAID REGISTRY IN PLAN BOOK 40, PAGE 38.
11) LANDSCAPING INFORMATION PROVIDED BY SHADY HILL GREENHOUSE & NURSERY, LONDONDERRY, NH.
12) PROPOSAL IS TO CREATE A GRAVEL PARKING LOT. IT MAY BE POSSIBLE TO PAVE THE PARKING AREA IN THE FUTURE.
13) A PERFORMANCE GUARANTEE WILL BE REQUIRED FOR ALL REQUIRED LANDSCAPE MATERIAL AS WELL AS ANY WORK THAT MAY OCCUR IN THE TOWN RIGHT-OF-WAY.

LEGEND

- BOUNDARY LINE (SUBJECT PARCEL)
- BOUNDARY LINE (OTHER PARCEL)
- N/F — NOW OR FORMERLY
- 23776/269 — BOOK AND PAGE NUMBER
- TM U04, L 24 — TAX MAP AND LOT NUMBER
- 260 — EXISTING CONTOUR (SEE NOTE 9)
- UTILITY POLE WITH OVERHEAD WIRES
- TREE LINE
- S — SEWER LINE (PER PLAN IN NOTE 10)
- W — WATER LINE (PER PLAN IN NOTE 10)
- SD — STORM DRAIN LINE (PER PLAN IN NOTE 10)
- T — UNDERGROUND TELEPHONE LINE (PER PLAN IN NOTE 10)
- EXISTING CATCH BASIN
- NEW GRAVEL AREA
- EXISTING PAVEMENT
- EXISTING BUILDING

LANDSCAPING LEGEND SEE NOTE 11

- (18) ARBORVITAE, EMERALD GREEN, 4-5 ft
- (5) MAPLE, OCTOBER GLORY, 2-2.5" CALIPER
- (9) PENSTEMON DIGITALIS, 'HUSKER RED', 1 GALLON
- (2) POTENTILLA FRUTICOSA, CINQUEFOIL BUSH, 3 GALLON
- (1) PICEA PUNGENS, SPRUCE, BLUE LUNDEBY'S DWARF, 6 GALLON

WAIVERS GRANTED

1) REQUIRED 24' TRAVEL LANE REDUCED TO 17' FROM BARN TO EDGE OF GRAVEL/PAVEMENT, LUO 225-27-E-6-C.
2) REMOVED REQUIREMENT FOR A BOUNDARY SURVEY. APPLICANT HAS AGREED AND HAS ALREADY HIRED A SURVEYOR TO MARK THE ROGERS/DAIRY QUEEN' SIDELINE AND PLANT ABORVITAE PARALLEL TO THAT LINE ON THE PARCEL, LUO 175-5A(4).
3) REMOVED REQUIREMENT TO LOCATE ALL TREES GREATER THAN 4" CALIPER MEASURED 6" ABOVE GROUND, LUO 175-1DA(2)(A).
4) REMOVED REQUIREMENT FOR STORMWATER MANAGEMENT AGREEMENT, LUO 225-34.D(2)(b).

APPROVAL

APPROVED BY THE TOWN OF TOPSHAM PLANNING BOARD

CHAIRMAN DATE

STATE OF MAINE STEPHEN J. ROBERGE #... LICENSED PROFESSIONAL ENGINEER

FOR APPROVALS ONLY

REV.	BY:	DATE:	
3	SJR	6-3-2025	REVISIONS PER TOWN PLANNER
2	SJR	6-1-2025	REVISIONS PER PEER ENGINEER REVIEW
1	SJR	5-31-2025	REVISIONS PER TOWN REVIEW

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SJR ENGINEERING, INC.

SJR ENGINEERING, INC.
16 THURSTON DRIVE
MONMOUTH, MAINE 04259
(207) 242-6248 tel
steve@sjreng.com
SJR ENGINEERING

SITE PLAN

61 MAIN STREET
TOPSHAM, MAINE
PREPARED FOR
CP ROGERS LLC
19 MAIN STREET - TOPSHAM, MAINE

DATE	PROJECT
MAY 6, 2025	2025-16
DRAWN BY	SCALE
SJR	1" = 20'

SHEET 1

EROSION AND SEDIMENT CONTROL PRACTICES

GENERAL

THIS PLAN HAS BEEN DEVELOPED TO PROVIDE A STRATEGY FOR DEALING WITH SOIL EROSION DURING AND AFTER THE CONSTRUCTION OF THE PROJECT. THIS PLAN IS BASED ON THE STANDARDS AND SPECIFICATIONS FOR EROSION PREVENTION AS CONTAINED IN THE "2016 BEST MANAGEMENT PRACTICES MANUAL FOR DESIGNERS AND ENGINEERS" BY THE SOIL AND WATER CONSERVATION DISTRICT AND MAINE DEP.

THE CONTRACTOR SHALL LIMIT CONSTRUCTION DISTURBANCE TO (ie DISTURBED UNSTABLE GROUND SURFACE) NO MORE THAN 10 ACRES AT ANY ONE TIME. AN AREA CONSIDERED "OPENED" INCLUDES ANY AREA NOT STABILIZED WITH PAVEMENT, VEGETATION, MULCH, MATS, RIPRAP, OR GRAVEL BASE ON ROAD/PAVEMENT LOCATIONS. OPEN AREAS MUST HAVE TEMPORARY EROSION CONTROL INSTALLED WITHIN 14 DAYS OF DISTURBANCE (AND PRIOR TO A ½" OR MORE RAIN EVENT). AREAS OPENED WITHIN 100' OF ENVIRONMENTAL RESOURCES MUST HAVE TEMPORARY EROSION CONTROLS INSTALLED WITHIN 7 DAYS. WHILE THE EROSION CONTROL PLAN IS COMPREHENSIVE, ADDITIONAL MEASURES MAY BE NECESSARY TO CONTROL EROSION FROM THE SITE.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO BE AWARE OF WEATHER CONDITIONS AT ANY TIME DURING THE CONSTRUCTION OF THE PROJECT, AND TO MAKE APPROPRIATE EROSION CONTROL DECISIONS REGARDING THE CURRENT CONDITION OF THE SITE FOR THE ANTICIPATED RAINFALL EVENT. THE SITE EROSION CONTROLS MUST BE ABLE TO PREVENT SIGNIFICANT EROSION DURING THE EXPECTED EVENT.

A PRE-CONSTRUCTION MEETING WITH THE TOWN, OWNER, AND CONTRACTOR IS RECOMMENDED TO SPECIFICALLY DISCUSS HOW THE EROSION CONTROL PLAN WILL BE CONSTRUCTED AND MONITORED.

CONSTRUCTION IS EXPECTED TO BEGIN FOLLOWING OBTAINING PERMITS FOR APPROVAL. IT IS EXPECTED THAT CONSTRUCTION ACTIVITIES WILL BE STARTED IN THE SUMMER OF 2025. SPECIAL ATTENTION SHOULD BE GIVEN TO THE SECTIONS PERTAINING TO FALL AND WINTER SEEDING, AS THE PROJECT MAY OVERLAP INTO THE WINTER CONSTRUCTION SEACH
SON.

THE PRINCIPAL EROSION CONTROL DEVICES WILL BE FILTER SOCKS (SILT FENCES OR EROSION CONTROL MULCH BERMS ARE ACCEPTABLE ALTERNATIVES), HAY MULCH, LOAM AND SEED DISTURBED AREAS TO PROTECT EXISTING TREES, BUILDINGS, AND DRAINAGE PATHS FROM THE REGIONS UNDERGOING CONSTRUCTION. FEATURES SUCH AS CRUSHED STONE INFILTRATION STRIPS, EXISTING GRASSED WATERWAYS, AND LANDSCAPING WILL BE UTILIZED AS PERMANENT EROSION CONTROLS.

DURING CONSTRUCTION, THE CONTRACTOR WILL MONITOR AND SWEEP DEBRIS FROM THE PAVED DRIVEWAY ENTRANCE TO MINIMIZE POTENTIAL TRACKING OF SOILS FROM THE PROJECT CONSTRUCTION ONTO PAVED PUBLIC ROADS.

STRUCTURAL MEASURES

1. <u>FILTER SOCKS (SILT FENCING/EROSION CONTROL MIX BERM)</u> SHALL BE INSTALLED ALONG THE CONTOUR AND PERPENDICULAR TO THE PREDOMINANT SLOPE OF THE LAND JUST BEYOND THE DOWNSLOPE LIMITS OF CLEARING AND GRUBBING AND/OR JUST ABOVE ANY ADJACENT PROPERTY LINE AND STREAMS WHERE INDICATED ON THE PLAN TO PROTECT AGAINST CONSTRUCTION RELATED EROSION. INSTALLATION SHALL BE AS SHOWN ON THE PLANS OR APPROVED EQUAL.

2. <u>NATURALLY VEGETATED BUFFERS AND GRASS FILTER STRIPS</u> REMOVE SEDIMENT AND OTHER POLLUTANTS FROM RUNOFF BY INFILTRATION, DEPOSITION, ABSORPTION AND DECOMPOSITION. FILTERS ARE EFFECTIVE ONLY IF USED TO REMOVE SEDIMENT FROM SHEET (OVERLAND) FLOW.

3. <u>PAVED DRIVEWAY ENTRANCE</u> IS TO BE MONITORED AND SWEPT OF SOIL DEBRIS DURING CONSTRUCTION, WHERE TRAFFIC IS ENTERING OR LEAVING CONSTRUCTION SITE. THIS WILL REDUCE OR ELIMINATE THE TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY.

4. <u>DUST CONTROL</u> WILL BE ADDRESSED THROUGH THE USE OF SPRAYING THE GROUND WITH WATER AND/OR APPLYING CALCIUM CHLORIDE TO THE SURFACE TO MINIMIZE DUST CREATION.

VEGETATIVE MEASURES

1. TOPSOIL ON SITE SHALL BE STOCKPILED AT A STABLE LOCATION ON SITE AND COVERED WITH ANCHORED MULCH FOR TEMPORARY EROSION CONTROL.

2. IF ANY DISTURBED AREA OF SOIL WILL BE LEFT BARE FOR MORE THAN TWO WEEKS, OR IF CONSTRUCTION IS TO BE COMPLETED IN PHASES OVER AN EXTENDED DURATION, TEMPORARY SEEDING AND MULCHING SHALL COMMENCE IMMEDIATELY FOLLOWING INITIAL FINE GRADING OF SITE. IN SENSITIVE AREAS (WITHIN 100' OF WETLANDS) TEMPORARY MULCH MUST APPLIED WITHIN 7 DAYS OR PRIOR TO ANY STORM EVENT ON ALL DISTURBED SURFACES. IT SHALL BE MAINTAINED AND RESEEDED AS NECESSARY TO INSURE GOOD VEGETATIVE COVER FOR THE ENTIRE DURATION OF CONSTRUCTION. SEED WILL BE SELECTED FROM THE FOLLOWING TABLE, ACCORDING TO THE TIME OF THE YEAR.

<u>TEMPORARY SEED MIXTURE</u>

SEED TYPE	lbs/acre	lbs/1000 sf	SEEDING DEPTH	RECOMMENDED SEEDING DATE
WINTER RYE	112	2.6	1" - 1.5"	AUG. 15 TO OCT. 1
OATS OR ANNUAL RYEGRASS	80 40	1.8 0.9	1" - 1.5" ¼"	APRIL 1 TO JULY 1 AUG. 15 TO SEPT. 15
SUDANGRASS	40	0.9	½" - 1"	MAY 15 TO AUG. 15
PERENNIAL RYEGRASS	40	0.9	¼"	AUG. 15 TO OCT. 15
TEMPORARY MULCH				OCT. 1 TO APRIL 1

MULCH WILL BE APPLIED WITH SEEDING ACCORDING TO MULCH TABLE. IF IT IS NOT POSSIBLE TO SEED 45 DAYS OR MORE PRIOR TO FROST, THAN DORMANT SEEDING AND ANCHORED MULCH SHALL BE APPLIED. THE APPLICATION OF MULCH SHALL BE SUCH THAT THE BARE GROUND IS BARELY VISIBLE.

3. PERMANENT SEEDING OF GRASS COVER SHALL BE APPLIED TO ALL DISTURBED AREAS. ALL SURFACE WATER CONTROL MEASURES AND FINAL LAND GRADING IN THE VICINITY SHOULD BE COMPLETED. GROUND PREPARATION SHALL INCLUDE TILLING TO A MINIMUM 3" DEPTH OF FINE BUT FRIABLE SOIL FREE OF CLODS OR STONES. PERMANENT SEED SHALL BE SELECTED ACCORDING TO ITS FINAL DESTINATION. (SEE PERMANENT SEED MIXTURE TABLE)

4. ALL SEEDING WILL REQUIRE MULCH. MULCH PROVIDES SEVERAL BENEFITS: CONSERVES MOISTURE, PREVENTS SURFACE COMPACTION, IMPROVES WATER QUALITY, REDUCES RUNOFF AND EROSION, CONTROLS WEEDS, AND HELPS ESTABLISH PLANT COVER. MULCH SHALL BE APPLIED ACCORDING TO THE FOLLOWING TABLES:

<u>PERMANENT SEED MIX</u>

SEED TYPE	APPLICATION RATE	
	PARKS/LAWN lbs/1000 sf	ROADSIDE, DITCHES, BASINS lbs/1000 sf
KENTUCKY BLUEGRASS	0.46	
CREEPING RED FESCUE	0.46	0.46
PERENNIAL RYEGRASS	0.11	
REDTOP		0.05
TALL FESCUE	1.03	0.46
TOTAL SEED RATE	1.03	0.97

NOTE: 1. THE CONTRACTOR MAY WISH TO FINAL SEED FROM 10/1 TO 11/1 WITH THE SAME SOIL PREPARATIONS, SEEDING MIXES (DOUBLING THE SEED RATE) AND MULCHING, BUT IT MAY RESULT IN WINTER KILL. VEGETATION MUST BE INSPECTED AND RESEEDED AS NECESSARY IN THE FOLLOWING SPRING TO ASSURE GOOD VEGETATIVE COVER.

2. NO SEEDING SHALL BE PERMITTED ON THE SNOW.

3. MULCH SHALL BE APPLIED AFTER ALL SEED APPLICATIONS (SEE MULCH) AND IN ENOUGH QUANTITY TO COVER ALL BARE SPOTS SUCH THAT BARE GROUND IS NOT VISIBLE. ANY SITE GRADING PERFORMED IN WINTER CONDITIONS SHALL BE COVERED WITH MULCH ON A DAILY BASIS. MULCH RATE SHALL BE TWICE THE NORMAL RATE.

4. PERMANENT SEEDING SHOULD BE MADE 45 DAYS OR MORE PRIOR TO THE FIRST KILLING FROST (SEED BY SEPTEMBER 15TH) OR AS A TEMPORARY AND DORMANT SEEDING AFTER THE FIRST KILLING FROST.

MAINTENANCE

DURING THE PERIOD OF CONSTRUCTION AND/OR UNTIL LONG TERM VEGETATION IS ESTABLISHED:

1. SEEDED AREAS WILL BE FERTILIZED AND RESEEDED AS NECESSARY TO INSURE 90% VEGETATIVE ESTABLISHMENT.

2. AT A MINIMUM, THE HAY BALE/SILT FENCE BARRIERS SHALL BE INSPECTED AND REPAIRED ONCE A WEEK AND IMMEDIATELY FOLLOWING ALL SIGNIFICANT RAINFALL OR SNOW MELT. SEDIMENT TRAPPED BEHIND THESE BARRIERS SHALL BE EXCAVATED WHEN IT REACHES A DEPTH OF 6 SIX INCHES AND REGRADED ONTO THE SITE.

3. DIVERSION DITCHES AND SWALES WILL BE CHECKED WEEKLY AND REPAIRED WHEN NECESSARY UNTIL ADEQUATE VEGETATION IS ESTABLISHED.

4. THE OWNER AND CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL PROPOSED TEMPORARY AND PERMANENT EROSION CONTROL MEASURES INCLUDING VEGETATION. THE CONTRACTOR MUST INSTALL OR CONSTRUCT ALL REQUIRED IMPROVEMENTS SHOWN ON THE PLANS. THE CONTRACTOR MUST INCORPORATE ALL OTHER SITE IMPROVEMENTS, RESTRICTIONS, CONSTRUCTION LIMITS, DRAINAGE IMPROVEMENTS, NATURAL VEGETATED BUFFERS, PROPOSED LANDSCAPING, ETC. THE CONTRACTOR MUST OBTAIN A COMPLETE SET OF PLANS, REPORTS, PERMIT APPROVALS, AND DOCUMENTS PERTAINING TO THE PROJECT BEFORE BEGINNING CONSTRUCTION.

5. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL DEVICES FROM THE SITE AFTER CONSTRUCTION IS COMPLETE AND THE SITE IS PERMANENTLY STABILIZED.

WINTER CONSTRUCTION (AS APPLICABLE)

THE WINTER CONSTRUCTION PERIOD IS FROM NOVEMBER 1 THROUGH APRIL 15. IF THE CONSTRUCTION SITE IS NOT STABILIZED WITH 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, EROSION CONTROL MATS, RIPRAP OR GRAVEL BASE ON A ROAD. WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED SUCH THAT NO MORE THAN 1 ACRES OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME. LIMIT THE EXPOSED AREA TO THOSE AREAS IN WHICH WORK IS EXPECTED TO BE UNDERTAKEN DURING THE PROCEEDING 15 DAYS AND THAT CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT.

ALL AREAS SHALL BE CONSIDERED TO BE DENUDED UNTIL THE SUBBASE GRAVEL IS INSTALLED IN ROADWAY 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 TONS/ACRE) AND SHALL BE PROPERLY ANCHORED.

THE CONTRACTOR MUST 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>SOIL STOCKPILES</u>

STOCKPILES OF SOIL OR SUBSOIL WILL 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 (4") LAYER OF EROSION CONTROL MIX. THIS WILL BE DONE WITHIN 24 HOURS OF STOCKING AND RE-ESTABLISHED PRIOR TO ANY RAINFALL OR SNOWFALL. ANY SOIL STOCKPILE WILL NOT BE PLACED (EVEN COVERED WITH HAY OR STRAW) WITHIN 100 FEET FROM ANY NATURAL RESOURCES.

<u>NATURAL RESOURCES PROTECTION</u>

ANY AREAS WITHIN 100 FEET FROM ANY NATURAL RESOURCES, IF NOT STABILIZED WITH A MINIMUM OF 75 % MATURE VEGETATION CATCH, SHALL BE MULCHED BY DECEMBER 1 AND ANCHORED WITH PLASTIC NETTING OR PROTECTED WITH EROSION CONTROL MATS.

DURING WINTER CONSTRUCTION, A DOUBLE LINE OF SEDIMENT BARRIERS (I.E. SILT FENCE BACKED WITH HAY BALES OR EROSION CONTROL MIX) WILL BE PLACED BETWEEN ANY NATURAL RESOURCE AND THE DISTURBED AREA.

PROJECTS CROSSING A NATURAL RESOURCE SHALL BE PROTECTED A MINIMUM DISTANCE OF 100 FEET ON EITHER SIDE FROM THE RESOURCE. 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.

<u>SEDIMENT BARRIERS</u>

DURING FROZEN CONDITIONS, SEDIMENT BARRIERS SHALL CONSIST OF EROSION CONTROL FILTER BERMS AS FROZEN SOIL PREVENTS THE PROPER INSTALLATION OF HAY BALES AND SEDIMENT SILT FENCES.

<u>MULCHING</u>

ALL AREA SHALL BE CONSIDERED TO BE 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 WILL BE REMOVED DOWN TO A ONE-INCH DEPTH OR LESS PRIOR TO APPLICATION.

AFTER EACH DAY OF FINAL GRADING, THE AREA WILL 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 TONS/ACRE) AND ADEQUATELY ANCHORED SO THAT THE GROUND SURFACE IS NOT VISIBLE THROUGH THE MULCH.

BETWEEN THE DATES OF NOVEMBER 1 AND APRIL 15, ALL MULCH SHALL BE ANCHORED BY EITHER PEG LINE, MULCH NETTING, ASPHALT EMULSION CHEMICAL, TRACKING INTO THE SURFACE OR WOOD CELLULOSE FIBER. THE MULCH COVER IS SUFFICIENT WHEN THE GROUND SURFACE IS NOT VISIBLE. AFTER NOVEMBER 1, MULCH AND ANCHORING OF ALL BARE SOIL SHALL OCCUR AT THE END OF EACH FINAL GRADING WORKDAY.

<u>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 SF ON ALL SLOPES GREATER THAN 8%.

MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3 % FOR SLOPES EXPOSED TO 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.

<u>SEEDING</u>

BETWEEN THE DATES OF OCTOBER 15 AND APRIL 1, 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 1 AND THE EXPOSED AREA HAS BEEN LOAMED AND 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 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 5LBS/1000 S.F. ALL AREAS SEEDED DURING THE WINTER WILL BE INSPECTED IN THE SPRING FOR ADEQUATE CATCH. ALL AREAS INSUFFICIENTLY VEGETATED (LESS THAN 75 % CATCH) SHALL BE REVEGETATED BY REMOVING THE MULCH AND RESEEDING AND REMULCHING.

IF DORMANT SEEDING IS NOT USED FOR THE SITE, ALL DISTURBED AREAS SHALL BE REVEGETATED IN THE SPRING.

<u>TRENCH DEWATERING AND TEMPORARY STREAM DIVERSION</u>

WATER FROM CONSTRUCTION TRENCH DEWATERING OR TEMPORARY STREAM DIVERSION WILL 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 100 FEET OF A PROTECTED NATURAL RESOURCE.

<u>INSPECTION AND MONITORING</u>

MAINTENANCE MEASURES SHALL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION SEASON. AFTER EACH RAINFALL, SNOW STORM 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 SEEDING AND MULCHING, THE CONTRACTOR SHALL INSPECT AND REPAIR ANY DAMAGES AND UNVEGETATED SPOTS. ESTABLISHED VEGETATIVE COVER MEANS A MINIMUM OF 85 TO 90 % OF AREAS VEGETATED WITH VIGOROUS GROWTH.

<u>TIMELY STABILIZATION STANDARDS FOR CONSTRUCTION DURING WINTER</u>

1. STANDARD FOR THE TIMELY STABILIZATION OF DITCHES AND CHANNELS: THE CONTRACTOR WILL CONSTRUCT AND STABILIZE ALL STONE-LINED DITCHES AND CHANNELS ON THE SITE BY NOVEMBER 15. THE CONTRACTOR WILL CONSTRUCT AND STABILIZE ALL GRASS-LINED DITCHES AND CHANNELS ON THE SITE BY SEPTEMBER 15. IF THE CONTRACTOR FAILS TO STABILIZE A DITCH OR CHANNEL TO BE GRASS-LINED BY SEPTEMBER 15, THEN THE CONTRACTOR WILL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE DITCH FOR LATE FALL AND WINTER.

- INSTALL A SOD LINING IN THE DITCH: THE CONTRACTOR WILL LINE THE DITCH WITH PROPERLY INSTALLED SOD BY OCTOBER 1. 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.

- INSTALL A STONE LINING IN THE DITCH: THE CONTRACTOR WILL LINE THE DITCH WITH STONE RIPRAP BY NOVEMBER 15. THE CONTRACTOR WILL HIRE A REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE AND LINING THICKNESS NEEDED TO WITHSTAND THE ANTICIPATED FLOW VELOCITIES AND FLOW DEPTHS WITHIN THE DITCH. IF NECESSARY, THE CONTRACTOR WILL REGRADE THE DITCH PRIOR TO PLACING THE STONE LINING SO TO PREVENT THE STONE LINING, FROM REDUCING THE DITCH'S CROSS-SECTIONAL AREA.

2. STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SLOPES: THE CONTRACTOR WILL CONSTRUCT AND STABILIZE STONE-COVERED SLOPES BY NOVEMBER 15. THE CONTRACTOR WILL SEED AND MULCH ALL SLOPES TO BE VEGETATED BY SEPTEMBER 15. THE DEPARTMENT WILL CONSIDER ANY AREA HAVING A GRADE GREATER THAN 15% TO BE A SLOPE. IF THE CONTRACTOR FAILS TO STABILIZE ANY SLOPE TO BE VEGETATED BY SEPTEMBER 15, 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 1, THE CONTRACTOR WILL SEED THE DISTURBED SLOPE WITH WINTER RYE AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET AND APPLY EROSION CONTROL MATS (OR MULCH WITH JUTE NETTING) OVER THE MULCHED SLOPE. THE CONTRACTOR WILL MONITOR GROWTH OF THE RYE OVER THE NEXT 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 CONTRACTOR WILL COVER THE SLOPE WITH AN ADDITIONAL LAYER OF WINTER MULCH APPLICATION, STONE RIPRAP, OR EROSION CONTROL MIX AS DESCRIBED BELOW.

- STABILIZE THE SLOPE WITH SOD: THE CONTRACTOR WILL STABILIZE THE DISTURBED SLOPE WITH PROPERLY INSTALLED SOD BY OCTOBER 1. PROPER INSTALLATION INCLUDES THE CONTRACTOR PINNING THE SOD ONTO THE SLOPE 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. THE CONTRACTOR WILL NOT USE LATE-SEASON SOD INSTALLATION TO STABILIZE SLOPES HAVING A GRADE GREATER THAN 33%.

- STABILIZE THE SLOPE WITH EROSION CONTROL MIX: THE CONTRACTOR WILL PLACE A SIX-INCH LAYER OF EROSION CONTROL MIX ON THE SLOPE BY NOVEMBER 15. PRIOR TO PLACING THE EROSION CONTROL MIX, THE CONTRACTOR WILL REMOVE ANY SNOW ACCUMULATION ON THE DISTURBED SLOPE. THE CONTRACTOR WILL NOT USE EROSION CONTROL MIX TO STABILIZE SLOPES HAVING GRADES GREATER THAN 50% OR HAVING GROUNDWATER SEEPS ON THE SLOPE FACE.

- STABILIZE THE SLOPE WITH STONE RIPRAP: THE CONTRACTOR WILL PLACE A LAYER OF STONE RIPRAP ON THE SLOPE BY NOVEMBER 15. THE CONTRACTOR WILL HIRE A REGISTERED PROFESSIONAL ENGINEER TO DETERMINE THE STONE SIZE NEEDED FOR STABILITY AND TO DESIGN A FILTER LAYER FOR UNDERNEATH THE RIPRAP.

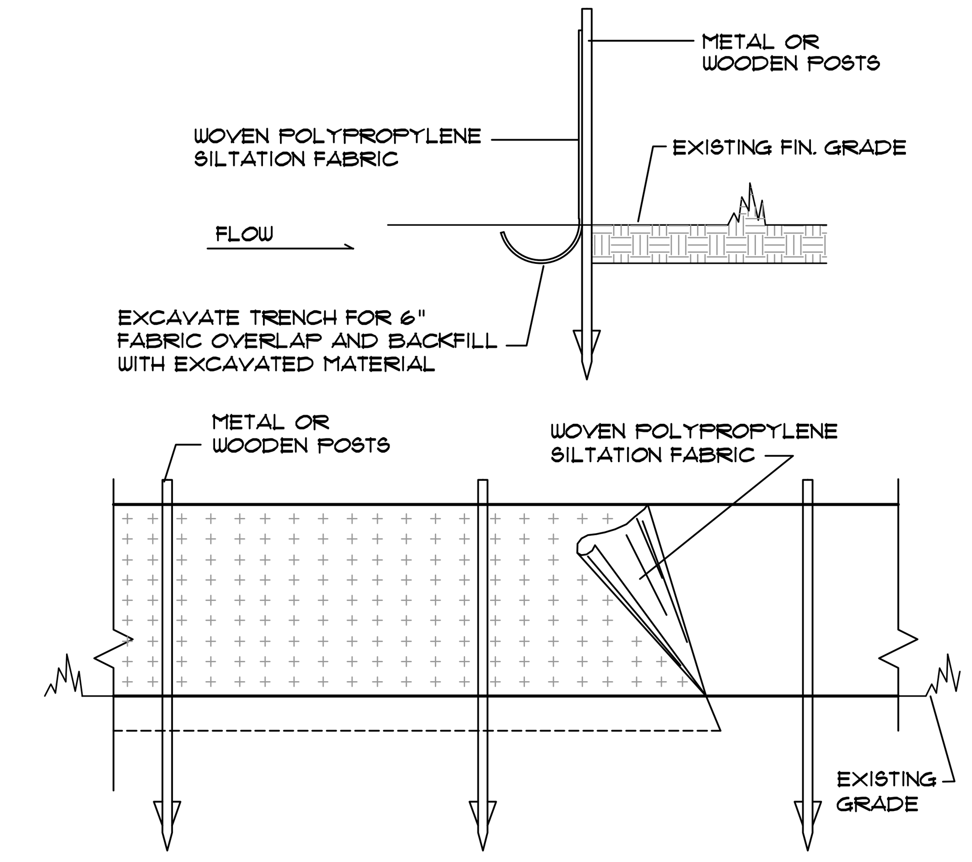
3. STANDARD FOR THE TIMELY STABILIZATION OF DISTURBED SOILS: BY SEPTEMBER 15 THE CONTRACTOR WILL SEED AND MULCH ALL DISTURBED SOILS ON AREAS HAVING A SLOPE LESS THAN 15%. IF THE CONTRACTOR FAILS TO STABILIZE THESE SOILS BY THIS DATE, THEN THE CONTRACTOR WILL TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE SOIL FOR LATE FALL AND WINTER:

- STABILIZE THE SOIL WITH TEMPORARY VEGETATION: BY OCTOBER 1, 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 OR JUTE NETTING. THE CONTRACTOR WILL 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 CONTRACTOR WILL MULCH THE AREA FOR OVER-WINTER PROTECTION AS DESCRIBED IN ONE OF THE ITEMS BELOW OF THIS STANDARD.

- STABILIZE THE SOIL WITH SOD: THE CONTRACTOR WILL STABILIZE THE DISTURBED SOIL WITH PROPERLY INSTALLED SOD BY OCTOBER 1. 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.

- STABILIZE THE SOIL WITH MULCH: BY NOVEMBER 15, 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. PRIOR TO APPLYING THE MULCH, THE CONTRACTOR WILL REMOVE ANY SNOW ACCUMULATION ON THE DISTURBED AREA. IMMEDIATELY AFTER APPLYING THE MULCH, THE CONTRACTOR WILL ANCHOR THE MULCH WITH PLASTIC OR JUTE NETTING TO PREVENT WIND FROM MOVING THE MULCH OFF THE DISTURBED SOIL.

PLEASE FEEL FREE TO CONTACT ME IF YOU HAVE ANY QUESTIONS CONCERNING THE USE OF THESE MEASURES. WE FEEL THAT THESE MEASURES IF PROPERLY CONSTRUCTED AND MAINTAINED WILL BE SUFFICIENT TO CONTROL EROSION ON YOUR PROJECT WITHOUT ANY ADVERSE IMPACT TO THE AREA. THANK YOU FOR INVOLVING THIS FIRM ON YOUR PROJECT.



NOTES

REFERENCE IS MADE TO THE BEST MANAGEMENT PRACTICE FOR EROSION AND SEDIMENT CONTROL:

SILT FENCE DETAIL

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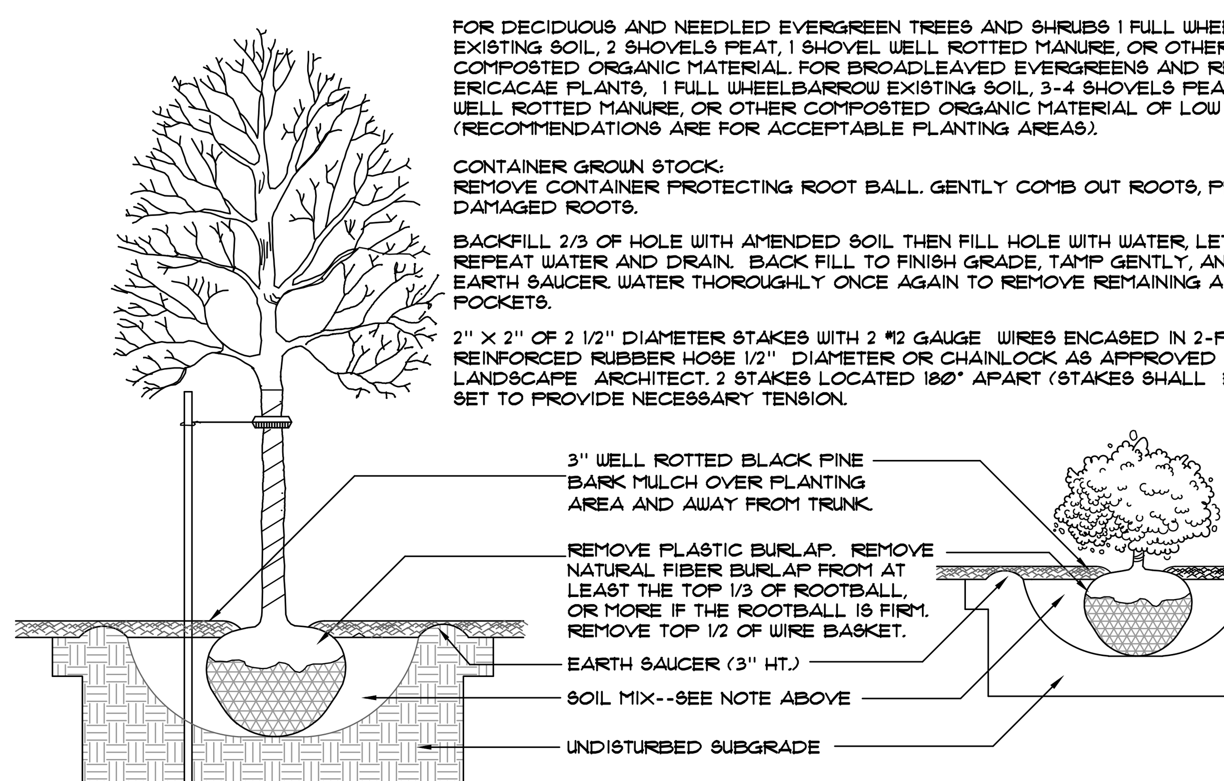
DIG HOLE AT LEAST 2 TIMES THE WIDTH OF ROOT BALL AND AS DEEP AS THE ROOT BALL (NO DEEPER). SET ROOT BALL CENTERED, WITH TOP AT GROUND LEVEL OR SLIGHTLY HIGHER. CORRECT HOLE DEPTH AS NEEDED.

FOR DECIDUOUS AND NEEDLED EVERGREEN TREES AND SHRUBS 1 FULL WHEELBARROW EXISTING SOIL, 2 SHOVELS PEAT, 1 SHOVEL WELL ROTTED MANURE, OR OTHER COMPOSTED ORGANIC MATERIAL. FOR BROADLEAVED EVERGREENS AND RELATED ERICACAE PLANTS, 1 FULL WHEELBARROW EXISTING SOIL, 3-4 SHOVELS PEAT, 1 SHOVEL WELL ROTTED MANURE, OR OTHER COMPOSTED ORGANIC MATERIAL OF LOW pH (RECOMMENDATIONS ARE FOR ACCEPTABLE PLANTING AREAS).

CONTAINER GROWN STOCK:
REMOVE CONTAINER PROTECTING ROOT BALL. GENTLY COMB OUT ROOTS, PRUNE DAMAGED ROOTS.

BACKFILL 2/3 OF HOLE WITH AMENDED SOIL THEN FILL HOLE WITH WATER, LET DRAIN, REPEAT WATER AND DRAIN. BACK FILL TO FINISH GRADE, TAMP GENTLY, AND CREATE EARTH SAUCER. WATER THOROUGHLY ONCE AGAIN TO REMOVE REMAINING AIR POCKETS.

2" X 2" OF 2 1/2" DIAMETER STAKES WITH 2 #12 GAUGE WIRES ENCASED IN 2-PLY REINFORCED RUBBER HOSE 1/2" DIAMETER OR CHAINLOCK AS APPROVED BY LANDSCAPE ARCHITECT. 2 STAKES LOCATED 180° APART (STAKES SHALL BE FIRMLY SET TO PROVIDE NECESSARY TENSION.



TREE & SHRUB INSTALLATION DETAIL

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INSPECTION AND MAINTENANCE PLAN

DATE: MAY 2025

THE EARTHWORK CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTION, MAINTENANCE, AND OPERATIONS OF THE STORMWATER SYSTEM DURING CONSTRUCTION. UPON APPROVAL OF THE FINAL CONSTRUCTION BY THE OWNER, THE OWNER WILL BE RESPONSIBLE FOR THE INSPECTION, MAINTENANCE, AND OPERATION OF THE STORMWATER SYSTEM. WE HAVE ATTACHED THE 'MAINE ESC BMPS (10/2016)" AT THE END OF THE NARRATIVE THAT MORE FULLY IDENTIFIES THE PARTY'S E+S RESPONSIBILITIES.

INSPECTIONS – CONTRACTOR DURING CONSTRUCTION

AREAS OF PROPOSED CONSTRUCTION THAT WILL REQUIRE INSPECTIONS/MAINTENANCE OF THE STORMWATER SYSTEM INCLUDE THE FOLLOWING:

- DETENTION/RETENTION/INFILTRATION FACILITIES
  - SOIL FILTER MEDIA INSPECTION AND MAINTENANCE
  - SEDIMENT REMOVAL AND DISPOSAL
- BUFFERS/LANDSCAPING
  - LANDSCAPING INSPECTION AND MAINTENANCE
  - LANDSCAPING TURF INSPECTION AND MAINTENANCE
  - DEBRIS REMOVAL AND DISPOSAL
- GENERAL SITE EROSION CONTROLS
  - SEDIMENT BARRIERS (SILT FENCE, EROSION CONTROL BERM MATERIAL)
  - TEMPORARY/PERMANENT SEED AND MULCH
  - HAY MULCH

THERE MAY BE OTHER AREAS OF INSPECTION/MAINTENANCE SPECIFIC TO THE PROJECT DURING CONSTRUCTION THAT MAY NOT BE IDENTIFIED ABOVE. THE CONTRACTOR IS DIRECTED TO UTILIZE THE 2014 REVISION TO THE MAINE EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONTRACTORS.

THE CONTRACTORS REPRESENTATIVE WILL INSPECT THE GENERAL EROSION CONTROL ITEMS IDENTIFIED ABOVE INCLUDING THE DRAINAGE SYSTEM, SWALES, AND CHANNELS TO DETERMINE IF A SOIL BLOCKAGE OR IMPAIRED CAPACITY TO PASS FLOW EXISTS. DURING CONSTRUCTION, THE INSPECTION WILL BE DONE PRIOR TO AND WITHIN 24 HOURS AFTER A STORM EVENT GREATER THAN ½" IN 24 HOURS. A RECORD OF INSPECTIONS AND MAINTENANCE OR CORRECTIVE MEASURES SHALL BE KEPT BY THE CONTRACTOR.

MAINTENANCE AND CLEANING

THE EARTHWORK CONTRACTOR WILL REGULARLY INSPECT FOR SEDIMENT ACCUMULATION, OBSTRUCTIONS, DEBRIS, AND OTHER POTENTIAL CAUSES FOR OPERATIONAL DIFFICULTY IN THE CONVEYANCE OF STORMWATER INCLUDING THE INFILTRATION SYSTEM. IMMEDIATE ACTION SHALL BE TAKEN TO REMEDY DETRIMENTAL OBSTRUCTIONS.

THE CONTRACTOR WILL REGULARLY INSPECT THE INFILTRATION RATE OF THE CRUSHED STONE FILTER STRIPS AFTER EVERY MAJOR STORM EVENT (1/2" RAIN EVENT IN 24 HOURS) IN THE FIRST FEW MONTHS TO ENSURE PROPER FUNCTION. SEDIMENT SHALL BE REMOVED FROM THE STRIP SURFACE WHEN SEDIMENT IS IMPEDING FLOW INTO THE STRIP. THE REMOVED SEDIMENT SHALL BE HAULED OFF SITE AND DISPOSED IN AN APPROVED LOCATION. ONGOING MAINTENANCE WILL BE REQUIRED AS NECESSARY.

RECORD KEEPING

THE CONTRACTOR WILL MAINTAIN INSPECTION RECORDS, WITH RECORDINGS OF CONDITION OF ITEMS IDENTIFIED ABOVE AND ANNOTATION OF SUBSTANTIAL PRECIPITATION EVENTS OR MITIGATING CIRCUMSTANCES IN THE INTERVENING TIME FOR TRENDS TO DEVELOP FOR ANTICIPATED FUTURE PREVENTIVE MAINTENANCE SCHEDULE.

INSPECTIONS – OWNER POST-CONSTRUCTION

AREAS OF THE COMPLETED CONSTRUCTION THAT WILL REQUIRE ONGOING INSPECTIONS AND MAINTENANCE OF THE STORMWATER SYSTEM INCLUDE THE FOLLOWING:

- DETENTION/RETENTION/INFILTRATION FACILITIES
  - SOIL FILTER MEDIA INSPECTION AND MAINTENANCE
  - SEDIMENT REMOVAL AND DISPOSAL
- BUFFERS/LANDSCAPING
  - LANDSCAPING INSPECTION AND MAINTENANCE
  - LANDSCAPING TURF INSPECTION AND MAINTENANCE
  - DEBRIS REMOVAL AND DISPOSAL
- GENERAL SITE EROSION CONTROLS
  - PERMANENT SEED AND MULCH

THERE MAY BE OTHER AREAS OF INSPECTION/MAINTENANCE SPECIFIC TO THE PROJECT IDENTIFIED AFTER CONSTRUCTION THAT MAY NOT BE IDENTIFIED ABOVE. THE OWNER IS DIRECTED TO UTILIZE THE 2014 REVISION TO THE MAINE EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONTRACTORS FOR THESE SITUATIONS.

THE OWNERS REPRESENTATIVE WILL INSPECT THE GENERAL EROSION CONTROL ITEMS IDENTIFIED ABOVE INCLUDING THE DRAINAGE SYSTEM, SWALES, AND CHANNELS TO DETERMINE IF A SOIL BLOCKAGE OR IMPAIRED CAPACITY TO PASS FLOW EXISTS. POST CONSTRUCTION, THE INSPECTION WILL BE DONE WITHIN 24 HOURS AFTER A STORM EVENT GREATER THAN ½" IN 24 HOURS. GENERAL POST-CONSTRUCTION INSPECTIONS WILL BE PERFORMED ON A MONTHLY BASIS FROM MARCH TO NOVEMBER, AND QUARTERLY DURING THE REMAINDER OF THE YEAR. A RECORD OF INSPECTIONS AND MAINTENANCE OR CORRECTIVE MEASURES SHALL BE KEPT BY THE OWNER.

MAINTENANCE AND CLEANING

THE OWNER WILL REGULARLY INSPECT FOR SEDIMENT ACCUMULATION, OBSTRUCTIONS, DEBRIS, AND OTHER POTENTIAL CAUSES FOR OPERATIONAL DIFFICULTY IN THE CONVEYANCE AND CRUSHED STONE INFILTRTION SYSTEM. IMMEDIATE ACTION SHALL BE TAKEN TO REMEDY DETRIMENTAL OBSTRUCTIONS.

THE OWNER WILL REGULARLY INSPECT THE INFILTRATION RATE OF THE CRUSHED STONE FILTER STRIPS AFTER EVERY MAJOR STORM EVENT (1/2" RAIN EVENT IN 24 HOURS) IN THE FIRST FEW MONTHS TO ENSURE PROPER FUNCTION. THEREAFTER, THE STONE FILTER STRIPS SHOULD BE INSPECTED BI-ANNUALLY TO ENSURE THAT THEY DRAINING WITHIN 24-48 HOURS. SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT FOREBAY WHEN SEDIMENT IS IMPEDING THE INFLOW OF RUNOFF WATER INTO THE STRIPS. THE REMOVED SEDIMENT SHALL BE HAULED OFF SITE AND DISPOSED IN AN APPROVED LOCATION.

A MANDATORY SCHEDULED MAINTENANCE WILL BE PERFORMED EVERY FOUR WEEKS FOR A PERIOD OF ONE HUNDRED AND TWENTY (120) DAYS AND WILL BEGIN AFTER SATISFACTORY COMPLETION AND ACCEPTANCE OF PROJECT CONSTRUCTION. ONGOING MAINTENANCE MAY BE REQUIRED AS NECESSARY.

RECORD KEEPING

THE OWNER WILL MAINTAIN INSPECTION RECORDS, WITH RECORDINGS OF CONDITION OF ITEMS IDENTIFIED ABOVE AND ANNOTATION OF SUBSTANTIAL PRECIPITATION EVENTS OR MITIGATING CIRCUMSTANCES IN THE INTERVENING TIME FOR TRENDS TO DEVELOP THE FUTURE PREVENTIVE MAINTENANCE SCHEDULE.

MAINTENANCE LOG SHEET

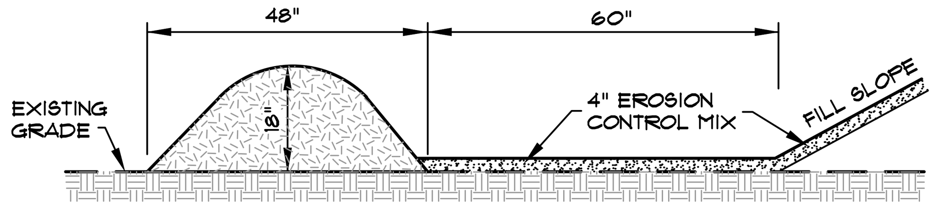
INSPECTOR NAME	DATE	MAINTENANCE TASK COMPLETED
INFILTRATION FILTER STRIP		
CRUSHED STONE FILTER MEDIA		
OTHER		
GRAVEL/GRASS INTERFACE		
GRAVEL DEBRIS/DUST		
LANDSCAPING BUFFERS		
90% VEGETATION		
ROOF DRIP EDGE		
SNOWPLOW/GROUND SURFACE		

THE FILTER BERM SHALL CONSIST OF A WOOD WASTE COMPOST/BARK MULCH MIX OR RECYCLED COMPOSTED BARK FLUME GRIT AND FRAGMENTED WOOD GENERATED FROM WATER FLUME LOG HANDLING SYSTEMS. COMPARABLE COMPOSTED MIXES CAN BE USED UPON WRITTEN APPROVAL OF THE ENGINEER.

THE MIX SHALL CONFORM TO THE FOLLOWING: pH BETWEEN 5.0-8.0, PARTICLE SIZE - 100% PASSING THROUGH A 6" SCREEN AND 80% RETAINED ON A ¾" SCREEN, SOLUBLE SALTS CONTENT SHALL BE LESS THAN 4.0 mmhos/cm.

THE COMPOSTED BERM SHALL BE PLACED, UNCOMPACTED, ALONG A RELATIVELY LEVEL CONTOUR.

THE BERM MAY BE USED IN COMBINATION WITH SILT FENCE TO IMPROVE SEDIMENT REMOVAL AND PREVENT CLOGGING OF THE BERM BY LARGER SEDIMENT PARTICLES (SILT FENCE PLACED ON THE UPHILL SIDE OF BERM).



EROSION CONTROL FILTER BERM

NOT TO SCALE

STATE OF MAINE
STEPHEN J. ROGERS
PROFESSIONAL ENGINEER

FOR APPROVALS ONLY

REV:	BY:	DATE:

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SJR ENGINEERING, INC.

SJR ENGINEERING, INC.
16 THURSTON DRIVE
MONMOUTH, MAINE 04259
(207) 242-6248 tel
steve@sjreng.com
SJR ENGINEERING

CONSTRUCTION NOTES & DETAILS
61 MAIN STREET
TOPSHAM, MAINE
PREPARED FOR
CP ROGERS LLC
13 MAIN STREET - TOPSHAM, MAINE

DATE	PROJECT
JUNE 3, 2025	2025-16
DRAWN BY	SCALE
SJR	1" = 20'