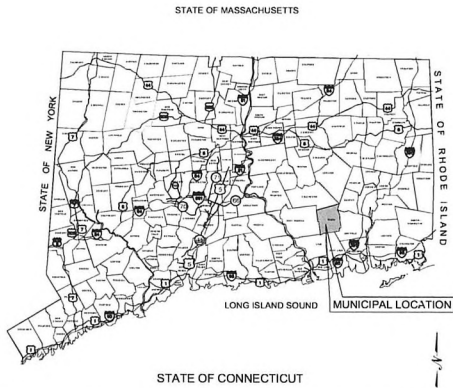


ATTACHMENT 1
(Civil Plan Set)



"SALEM BESS"

FAIRY LAKE, LLC

380 NEW LONDON ROAD SALEM, CT 06420

LIST OF DRAWINGS

T-1 TITLE SHEET

1 OF 1 TOPOGRAPHIC SURVEY

GN-1 GENERAL NOTES & LEGEND

OP-1 OVERALL LOCUS MAP

EC-1 EROSION & SEDIMENT CONTROL PLAN

EC-2 EROSION & SEDIMENT CONTROL NOTES

EC-3 EROSION & SEDIMENT CONTROL DETAILS

SP-1 SITE PLAN

SP-2 SITE PLAN DETAILS

TA-1 VEHICLE TURNING ANALYSIS

PR-1 ACCESS ROAD PLAN & PROFILE

GD-1 GRADING & DRAINAGE PLAN

GD-2 GRADING & DRAINAGE DETAILS

SITE INFORMATION

SITE NAME: "SALEM BESS"

LOCATION: 380 NEW LONDON ROAD
SALEM, CT 06420

SITE TYPE/DESCRIPTION: ENERGY STORAGE SYSTEM 5 MW
CONSISTING OF APPROX 7 SOLBANK 3.0
BATTERIES, 5 EPC POWER CAB1000
INVERTERS, 2 TRANSFORMERS AND 2 DC
RECOMBINERS

PROPERTY OWNER: 380 NEW LONDON ROAD HOLDINGS, LLC
380 NEW LONDON ROAD
SALEM, CT 06420

PETITIONER: FAIRY LAKE, LLC
116 HUNTINGTON AVENUE - SUITE 601
BOSTON, MA 02116

ENGINEER CONTACT: THOMAS E. LITTLE, P.E.
(860) 552-2046

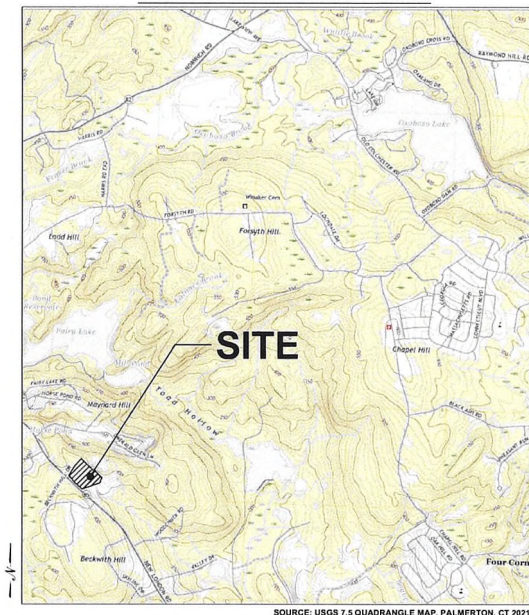
LATITUDE: N 41° 27' 29.80"
LONGITUDE: W 72° 14' 30.23"

MBLU: 06/002/800
ZONE: SBA
LAND USE: STORE/SHOP MDL-94
LAND CLASS CODE: 3220

TOTAL SITE ACREAGE: 14.48 ± AC.
TOTAL DISTURBED AREA: 2.2 ± AC.

APPROX. VOLUME OF CUT: 1,486 ± CY
APPROX. VOLUME OF FILL: 3,738 ± CY
APPROX. NET VOLUME: 2,252 ± CY OF FILL

USGS TOPOGRAPHIC MAP



FAIRY LAKE, LLC

116 HUNTINGTON AVE
SUITE 601
BOSTON, MA 02116



CSC SUBMISSION	
NO.	DATE REVISION
1	
2	
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4	
5	
6	
7	

DESIGN PROFESSIONALS OF RECORD
PROF. THOMAS E. LITTLE, P.E.
COMP. ALL-POINTS TECHNOLOGY
CORPORATION, P.C.
ADD: 567 VAUXHALL STREET
EXTENSION - SUITE 311
WATERFORD, CT 06385

OWNER: 380 NEW LONDON RD
HOLDINGS LLC
ADDRESS: 380 NEW LONDON ROAD
SALEM, CT 06420

SALEM BESS

SITE ADDRESS:
380 NEW LONDON ROAD
SALEM, CT 06420

APT FILING NUMBER: CT769106

DRAWN BY: UKAVELZ

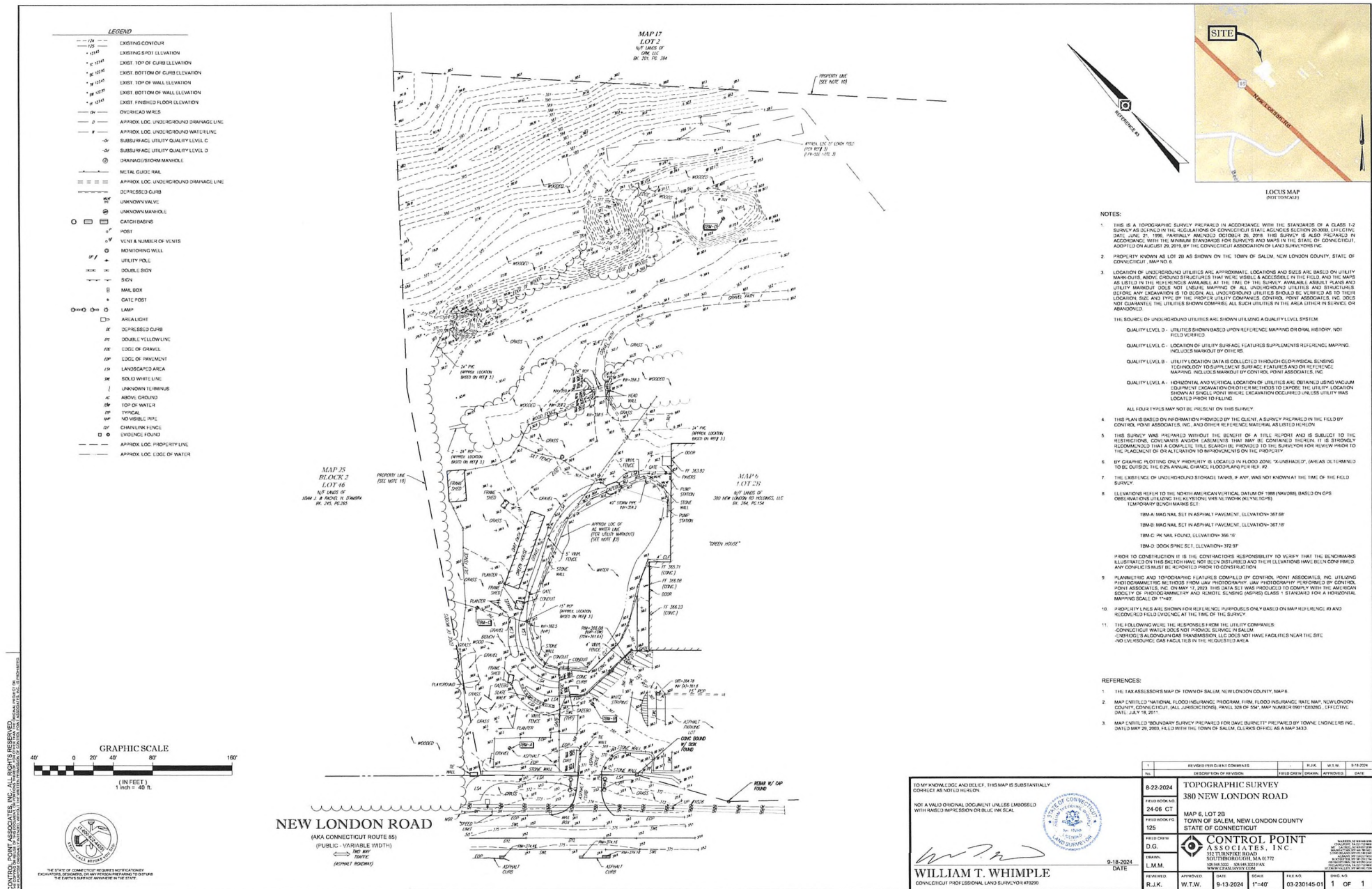
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GENERAL NOTES

1. ALL CONSTRUCTION SHALL COMPLY WITH PROJECT DEVELOPER STANDARDS, TOWN OF SALEM STANDARDS, CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS IN THE ABOVE REFERENCED INCREASING HIERARCHY. IF SPECIFICATIONS ARE IN CONFLICT, THE MORE STRINGENT SPECIFICATION SHALL APPLY.
2. IF NO PROJECT CONSTRUCTION SPECIFICATION PACKAGE IS PROVIDED BY THE PROJECT DEVELOPER OR THEIR REPRESENTATIVE, THE CONTRACTOR SHALL COMPLY WITH THE MANUFACTURER, TOWN OF SALEM, OR CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, AND BE IN ACCORDANCE WITH ALL APPLICABLE OSHA, FEDERAL, STATE AND LOCAL REGULATIONS.
3. THE PROJECT DEVELOPER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY ZONING AND STORMWATER PERMITS REQUIRED BY GOVERNMENT AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL TOWN OF SALEM CONSTRUCTION PERMITS. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
4. REFER TO PLANS, DETAILS AND REPORTS PREPARED BY ALL POINTS TECHNOLOGY CORPORATION FOR ADDITIONAL INFORMATION. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS IN THE FIELD AND CONTACT THE PROJECT DEVELOPER IF THERE ARE ANY QUESTIONS OR CONFLICTS REGARDING THE CONSTRUCTION DOCUMENTS AND/OR FIELD CONDITIONS SO THAT APPROPRIATE REVISIONS CAN BE MADE PRIOR TO BEGINNING CONSTRUCTION. ANY CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS SHALL BE SUBMITTED WITH THE PROJECT DEVELOPERS CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.
5. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL PRODUCTS, MATERIALS PER PLANS, AND SPECIFICATIONS TO THE PROJECT DEVELOPER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY TO THE SITE. ALLOW A MINIMUM OF 14 WORKING DAYS FOR REVIEW.
6. SHOULD ANY UNKNOWN OR INCORRECTLY LOCATED EXISTING PIPES OR OTHER UTILITIES BE UNCOVERED DURING EXCAVATION, CONSULT THE PROJECT DEVELOPER IMMEDIATELY FOR DIRECTIONS BEFORE PROCEEDING FURTHER WITH WORK IN THIS AREA.
7. DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED AND USED BY THE PROJECT DEVELOPER OR OTHERS DURING OCCUPIED HOURS, EXCEPT WHEN SUCH INTERRUPTIONS HAVE BEEN AUTHORIZED IN WRITING BY THE PROJECT DEVELOPER AND THE LOCAL MUNICIPALITY. INTERRUPTIONS SHALL ONLY OCCUR AFTER ACCEPTABLE TEMPORARY SERVICE HAS BEEN PROVIDED.
8. THE CONTRACT LIMIT IS THE PROPERTY LINE UNLESS OTHERWISE SPECIFIED OR SHOWN ON THE CONTRACT DRAWINGS.
9. THE CONTRACTOR SHALL ABIDE BY ALL OSHA, FEDERAL, STATE AND LOCAL REGULATIONS WHEN OPERATING CRANES, BOOMS, HOISTS, ETC. IN CLOSE PROXIMITY TO OVERHEAD ELECTRICAL LINES. IF CONTRACTOR MUST OPERATE EQUIPMENT CLOSE TO ELECTRICAL LINES, CONTACT POWER COMPANY TO MAKE ARRANGEMENTS FOR PROPER SAFEGUARDS. ANY UTILITY COMPANY FEES SHALL BE PAID FOR BY THE CONTRACTOR.
10. NO CONSTRUCTION SHALL COMPLY WITH OSHA 29 CFR PART 1926 FOR EXCAVATION, TRENCHING AND TRENCH PROTECTION REQUIREMENTS.
11. THE ENGINEER IS NOT RESPONSIBLE FOR SITE SAFETY MEASURES TO BE EMPLOYED DURING CONSTRUCTION. THE ENGINEER HAS NO CONTROL OVER THE SAFETY MEASURES OR METHODS OR MEANS OF THE WORK. JOB SITE RESPONSIBILITIES, SUPERVISION OF PERSONNEL, OR TO SUPERVISE SAFETY AND DO NOT VOLUNTARILY ASSUME ANY SUCH DUTY OR RESPONSIBILITY.
12. THE CONTRACTOR SHALL RESTORE ANY DAMAGE TO STRUCTURE, PIPE, CONDUIT, PAVEMENT, CURBS, SIDEWALKS, LANDSCAPED AREAS OR DRAINAGE DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER, AS APPROVED BY THE PROJECT DEVELOPER OR TOWN OF SALEM.
13. THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORDS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES) TO THE PROJECT DEVELOPER AT THE END OF CONSTRUCTION.
14. ALTERNATIVE METHODS AND PRODUCTS, OTHER THAN THOSE SPECIFIED, MAY BE USED IF REVIEWED AND APPROVED BY THE PROJECT DEVELOPER, ENGINEER, AND APPROPRIATE REGULATORY AGENCY PRIOR TO INSTALLATION DURING THE BIDDING/CONSTRUCTION PROCESS.
15. INFORMATION ON EXISTING UTILITIES AND STORM DRAINAGE SYSTEMS HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY PROVIDER AND MUNICIPAL RECORD MAPS AND/OR FIELD SURVEY AND IS NOT GUARANTEED CORRECT OR COMPLETE. UTILITIES AND STORM DRAINAGE SYSTEMS ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND STORM DRAINAGE SYSTEMS INCLUDING SERVICES. PRIOR TO DEMOLITION OR CONSTRUCTION, THE CONTRACTOR SHALL CONTACT CALL BEFORE YOU DIG 72 HOURS BEFORE COMMENCEMENT OF WORK AT 811 AND VERIFY ALL UTILITY AND STORM DRAINAGE SYSTEM LOCATIONS.
16. NO CONSTRUCTION OR DEMOLITION SHALL BEGIN UNTIL APPROVAL OF THE FINAL PLANS AND PERMITS ARE GRANTED BY ALL GOVERNING AND REGULATORY AGENCIES.

SITE PLAN NOTES

1. THE SURVEY WAS PROVIDED BY CONTROL POINT ASSOCIATES, INC. DATED SEPTEMBER 18, 2024.
2. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDED SEQUENCE OF CONSTRUCTION NOTES PROVIDED ON THE EROSION CONTROL PLAN OR SUBMIT AN ALTERNATE PLAN FOR APPROVAL BY THE ENGINEER AND/OR PERMITTING AGENCIES PRIOR TO THE START CONSTRUCTION. ALLOW A MINIMUM OF 14 WORKING DAYS FOR REVIEW.
3. PROPER CONSTRUCTION PROCEDURES SHALL BE FOLLOWED ON ALL IMPROVEMENTS WITHIN THIS PARCEL SO AS TO PREVENT THE SETTING OF ANY WATERCOURSE OR BAYS IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. IN ADDITION, THE CONTRACTOR SHALL ADHERE TO THE "SEMI-ARTIFICIAL EROSION CONTROL PLAN" CONTAINED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE TO POST ALL BONDS AS REQUIRED BY PERMITTING AGENCIES WHICH WOULD GUARANTEE THE PROPER IMPLEMENTATION OF THE PLAN.
4. ALL SITE WORK, MATERIALS OR CONSTRUCTION, AND CONSTRUCTION METHODS FOR EARTHWORK AND STORM DRAINAGE WORK SHALL CONFORM TO THE SPECIFICATIONS AND DETAILS AND APPLICABLE SECTIONS OF THE PROJECT SPECIFICATIONS MANUAL. OTHERWISE, THIS WORK SHALL CONFORM TO THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION AND PROJECT "GEOTECHNICAL REPORT" IF THERE IS NO PROJECT SPECIFICATIONS MANUAL. ALL FILL MATERIAL UNDER STRUCTURES AND PAVED AREAS SHALL BE PER THE ABOVE STATED APPLICABLE SPECIFICATIONS, AND/OR PROJECT "GEOTECHNICAL REPORT" AND SHALL BE PLACED IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL ENGINEER. MATERIAL SHALL BE COMPACTED IN 8" LIFTS TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 1557 AT 95% PERCENT OF OPTIMUM MOISTURE CONTENT.
5. ALL DISTURBANCE INCURRED IN PUBLIC, MUNICIPAL, COUNTY, STATE PROPERTY DUE TO CONSTRUCTION SHALL BE RESTORED TO ITS PREVIOUS CONDITION OR BETTER, TO THE SATISFACTION OF THE TOWN OF SALEM AND STATE OF CONNECTICUT.
6. IF IMPACTED OR COMMINATED SOIL IS ENCOUNTERED BY THE CONTRACTOR, THE CONTRACTOR SHALL SUSPEND EXCAVATION WORK OF IMPACTED SOIL AND NOTIFY THE PROJECT DEVELOPER AND/OR PROJECT DEVELOPER ENVIRONMENTAL CONSULTANT.

CONSTRUCTION SEQUENCE NOTES

- CONSTRUCTION ACTIVITIES ARE EXPECTED TO TAKE UP TO NINE MONTHS.
- THE GENERAL CONSTRUCTION NOTES ARE AS FOLLOWS:
1. THE SITE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT ROADS/HIGHWAYS AND THEIR DRAINAGE SYSTEM. NEIGHBORING PROPERTIES, WETLANDS AND REGULATORY PROTECTED AREAS, WHERE SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT. DESIGNATED ACCESS DRIVES MUST BE USED TO THE MAXIMUM EXTENT POSSIBLE. IT IS REQUIRED THAT THE SITE CONTRACTOR PERFORM A DAILY INSPECTION OF ALL EROSION AND SEDIMENT CONTROL MEASURES EMPLOYED AT THE SITE.
2. A CERTIFIED APPROVED QUALIFIED INSPECTOR SHALL BE ASSIGNED TO BE RESPONSIBLE FOR PERFORMING INSPECTIONS AND PREPARING REPORTS IN ACCORDANCE WITH SECTION 589a(8)(b) OF THE CONSTRUCTION GENERAL PERMIT. THESE INSPECTIONS SHALL TAKE PLACE WEEKLY, AT A MINIMUM, AND SHALL BE REQUIRED WITHIN 24 HOURS OF A RAINFALL EVENT EXCEEDING 0.5 INCHES. THE ENGINEER OF RECORD SHALL BE REQUIRED TO REVIEW AND COUNTER SIGN THE PREPARED WEEKLY REPORTS.
- ENGINEER OF RECORD WILL PERFORM MONTHLY PLAN IMPLEMENTATION INSPECTIONS UNTIL EROSION CONTROLS ARE IN PLACE, OR THE FIRST THREE MONTHS (WHICHEVER IS GREATER) AND WILL PREPARE REPORTS OF THE FINDINGS.
4. THROUGHOUT THE COURSE OF THE CONSTRUCTION PROJECT, ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE WARRANTED AT THE DISCRETION OF THE QUALIFIED INSPECTOR AND/OR DESIGN ENGINEER. THESE IMPROVEMENTS MUST BE IMPLEMENTED IN A TIMELY FASHION IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONSTRUCTION GENERAL PERMIT.
5. PRIOR TO CONSTRUCTION, THE APPLICANT SHALL PROVIDE THE TOWN OF GRANBY WITH THE NAME OF CONTACT AND 24-HOUR CONTACT INFORMATION.
6. THE CONTRACTOR SHALL ADHERE TO 2024 CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL, AS AMENDED.
7. THE CONTRACTOR SHALL HOLD PRE-CONSTRUCTION MEETINGS. ATTENDEES SHALL INCLUDE, BUT NOT BE LIMITED TO, REPRESENTATIVES OF THE GENERAL CONTRACTOR, SITE CONTRACTOR, CDEEP, TOWN OF GRANBY, ENGINEER OF RECORD, AND QUALIFIED SWPPP INSPECTOR.
8. THE CONTRACTOR SHALL CONTACT CALL BEFORE YOU DIG (1-800-922-4455) PRIOR TO ENGAGING IN ANY EXCAVATION ACTIVITIES AT THE SITE.
9. THE CONTRACTOR SHALL NOTIFY THE TOWN OF GRANBY AGENT, ZONING ENFORCEMENT OFFICER, AND ENGINEERING DEPARTMENT, 48 HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY.
10. NO CONSTRUCTION OF SITE IMPROVEMENTS MAY BEGIN UNTIL THE PROPER EROSION CONTROL MEASURES SERVING THE AREA TO BE DISTURBED ARE IN PLACE.
11. ANTICIPATED WORK HOURS WILL BE BETWEEN 7:00 AM AND 5:00 PM MONDAY THROUGH FRIDAY. IF ANY VARIATION FROM THIS SCHEDULE IS REQUIRED TO MAINTAIN THE PROJECT, THE TEAM SHALL PROVIDE NOTICE TO CONNECTICUT BIDDING COMMUNITY.
12. HIGH FLOTATION TIRE EQUIPMENT SHALL BE USED TO THE MAXIMUM EXTENT PRACTICABLE IN LIEU OF "TRACK CONSTRUCTION EQUIPMENT" IN AN EFFORT TO AVOID COMPACTION OF THE NATIVE SOIL.

THE EROSION CONTROL SITE PROTECTION SEQUENCE

1. SURVEY AND MARK ALL WOODS AND CLEARING LIMITS.
2. EXISTING AND PROPOSED ACCESS ROADS SHALL BE DESIGNATED AS EARLY AS FEASIBLE AND USED PRIMARILY FOR CONSTRUCTION TRAFFIC.
3. FIELD SURVEY AND MARK BOUNDARY BETWEEN CLEARING LIMITS AND GRUBBING LIMITS.
4. INSTALL EROSION AND SEDIMENT CONTROLS FOLLOWING THE CT GUIDELINES AND MANUFACTURERS DIRECTIONS. DURING CONSTRUCTION, THE CONTRACTOR SHALL INSTALL MEASURES AS REQUIRED BY THE ENGINEER OF RECORD OR QUALIFIED INSPECTOR, TO PREVENT SEDIMENT LOADING RUNOFF FROM REACHING WETLANDS OR DISCHARGING OFFSITE.
5. INSTALL TEMPORARY BRIDGE PER MANUFACTURER RECOMMENDATIONS.
6. INSTALL STORMWATER BASIN AS EARLY AS FEASIBLE. IN ACCORDANCE WITH THE APPROVED SITE SPECIFIC SWPPP AND CT GUIDELINES, DISCHARGE AREAS BELOW OUTFALLS MUST BE INSPECTED TO CONFORM FLOW WILL BE OVER STABLE GROUND AND SHEET FLOW IS ENCOURAGED. IF DISTURBED SOILS ARE PRESENT, THE ENGINEER OF RECORD TO PROVIDE CORRECT MEASURES TO ADDRESS CONDITION.
7. SEED AND PROTECT DISTURBED SOILS AROUND SEDIMENT TRAPS AND BASINS WITHIN 72 HOURS OF COMPLETION.
8. CLEAR AND GRUB VEGETATION PER SITE PLANS.
9. THE USE OF A TUB GRINDER IS RECOMMENDED FOR THE MULDINGS OF FALLED TREES IF CHIPPED ON SITE. MULCH SHALL NOT BE GAST WIDESPREAD ADDRESS SITE AS IT WILL INHIBIT VEGETATIVE GROWTH.
10. PERFORM EARTHWORK AND SHAPING ON THE SITE. TOPSOIL SHALL BE STRIPPED AND STOCKPILED FROM AREAS PROPOSED FOR REGRADING. EXCESS SOIL WHICH IS NOT REUSED IN PROPOSED SITE GRADING AS DETICED ON PLANS CAN BE Hauled OFF-SITE.
11. TOPSOIL SHALL BE REPLACED OVER REGRADDED AREAS UPON COMPLETION OF MAJOR EARTHWORK ACTIVITIES AND AREAS WHICH WERE DISTURBED BY MAJOR EARTHWORK OPERATIONS SHALL BE RESEED WITHIN 72 HOURS OF COMPLETION.
12. THROUGHOUT CONSTRUCTION, THE CONTRACTOR SHALL ADDRESS ONGOING EROSION PROBLEMS USING TEMPORARY DIVERSIONS AND FILLING AND GRADING GULLIES.

CONSTRUCTION SEQUENCE

1. INSTALL STABILIZED GRAVEL ROADS.
2. INSTALL ELECTRICAL COMPONENTS AND INTERCONNECTION.
3. INSTALL SITE FENCING AND/OR SOUND WALL.
4. RESEED, REPAVE, AND/OR REPLANT ANY AREAS DISTURBED BY CONSTRUCTION.
5. AFTER SITE IS STABILIZED, AND AFTER INSPECTION BY DESIGN ENGINEER, OR OTHER OWNERS REPRESENTATIVE, REMOVE TEMPORARY EROSION AND SEDIMENT CONTROLS. ENTIRE SITE SHALL BE CHECKED FOR AND CLEANED OF SEDIMENT AS NEEDED.

UTILITY NOTES

1. CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE TOWN OF SALEM TO SECURE CONSTRUCTION PERMITS AND FOR PAYMENT OF FEES FOR STREET CUTS AND CONNECTIONS TO EXISTING UTILITIES.
2. REFER TO DRAWINGS BY PROJECT DEVELOPER FOR THE ONSITE ELECTRICAL DRAWINGS AND RECONSTRUCTION ELECTRICAL GRID. SITE CONTRACTOR OR SHALL SUPPLY AND INSTALL PIPE ADAPTERS AS NECESSARY AT BUILDING CONNECTION POINT OR AT EXISTING UTILITY OR PIPE CONNECTION POINT. THESE DETAILS ARE NOT INCLUDED IN THESE PLANS.
3. UTILITY LOCATIONS AND PENETRATIONS ARE SHOWN FOR THE CONTRACTORS INFORMATION AND WILL BE VERIFIED WITH THE ELECTRICAL ENGINEER AND THE PROJECT DEVELOPERS CONSTRUCTION MANAGER PRIOR TO THE START OF CONSTRUCTION.
4. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY THE ELEVATION AND LOCATION OF ALL UTILITIES BY VARIOUS MEANS PRIOR TO BEGINNING ANY EXCAVATION. TEST PITS SHALL BE DUG AT ALL LOCATIONS WHERE PROPOSED SANITARY SEWERS AND WHERE PROPOSED STORM PIPING WILL CROSS EXISTING UTILITIES, AND THE HORIZONTAL AND VERTICAL LOCATIONS OF THE UTILITIES SHALL BE DETERMINED. THE CONTRACTOR SHALL CONTACT THE PROJECT DEVELOPER IN THE EVENT OF ANY DISCOVERED OR UNFORESEEN CONFLICTS BETWEEN EXISTING AND PROPOSED SANITARY SEWERS, STORM PIPING AND UTILITIES SO THAT AN APPROPRIATE MODIFICATION MAY BE MADE.
5. UTILITY CONNECTION DESIGN AS REFLECTED ON THE PLAN MAY CHANGE SUBJECT TO UTILITY PROVIDER AND GOVERNING AUTHORITY STAFF REVIEW.
6. THE CONTRACTOR SHALL ENSURE THAT ALL UTILITY PROVIDERS AND GOVERNING AUTHORITY STANDARDS FOR MATERIALS AND CONSTRUCTION METHODS ARE MET. THE CONTRACTOR SHALL PERFORM PROPER COORDINATION WITH THE RESPECTIVE UTILITY PROVIDER.
7. THE CONTRACTOR SHALL ARRANGE FOR AND COORDINATE WITH THE RESPECTIVE UTILITY PROVIDERS FOR SERVICE INSTALLATIONS AND CONNECTIONS. THE CONTRACTOR SHALL COORDINATE WORK TO BE PERFORMED BY THE VARIOUS UTILITY PROVIDERS AND SHALL PAY ALL FEES FOR CONNECTIONS, DISCONNECTIONS, RELOCATIONS AND DEMOLITION UNLESS OTHERWISE STATED IN THE PROJECT SPECIFICATIONS MANUAL AND/OR GENERAL CONDITIONS OF THE CONTRACT.
8. ALL EXISTING PAVEMENT WHERE UTILITY PIPING IS TO BE INSTALLED SHALL BE SAW CUT AFTER UTILITY INSTALLATION IS COMPLETED. THE CONTRACTOR SHALL INSTALL TEMPORARY AND/OR PERMANENT PAVEMENT REPAIR AS DETAILED ON THE DRAWINGS OR AS REQUIRED BY THE TOWN OF SALEM.
9. ALL PIPES SHALL BE LAID ON STRAIGHT ALIGNMENTS AND EVEN GRADES USING A PIPE LASER OR OTHER ACCURATE METHOD.
10. RELOCATION OF UTILITY PROVIDER FACILITIES, SUCH AS POLES, SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE RESPECTIVE UTILITY PROVIDER.
11. THE CONTRACTOR SHALL COMPACT PIPE BACKFILL IN 8" LIFTS ACCORDING TO THE PIPE BEDDING DETAILS. TRENCH BOTTOM SHALL BE STABLE IN HIGH GROUNDWATER AREAS. A PIPE FOUNDATION SHALL BE INSTALLED AS DETAILED ON THE DRAWINGS OR AS REQUIRED BY THE TOWN OF SALEM.
12. CONTRACTOR TO PROVIDE STEEL SLEEVES AND ANNUAL SPACE SAND FILL FOR UTILITY PIPE AND CONDUIT CONNECTIONS UNDER FOOTINGS.
13. ALL UTILITY CONSTRUCTION IS SUBJECT TO INSPECTION FOR APPROVAL PRIOR TO BACKFILLING, IN ACCORDANCE WITH THE APPROPRIATE UTILITY PROVIDER REQUIREMENTS.
14. A ONE FOOT MINIMUM VERTICAL CLEARANCE BETWEEN WATER, GAS, ELECTRICAL, AND TELEPHONE LINES AND STORM PIPING SHALL BE PROVIDED. A SIX-INCH MINIMUM CLEARANCE SHALL BE MAINTAINED BETWEEN STORM PIPING AND SANITARY SEWER. A 6-INCH TO 18-INCH VERTICAL CLEARANCE BETWEEN SANITARY SEWER PIPING AND STORM PIPING SHALL REQUIRE CONCRETE ENCASEMENT OF THE SANITARY PIPING.
15. THE CONTRACTOR SHALL RESTORE ANY UTILITY STRUCTURE, PIPE, CONDUIT, PAVEMENT, CURBS, SIDEWALKS, DRAINAGE STRUCTURE, SWALES OR LANDSCAPED AREAS DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE PROJECT DEVELOPER AND TOWN OF SALEM.
16. INFORMATION ON EXISTING UTILITIES AND STORM DRAINAGE HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY PROVIDER AND MUNICIPAL RECORD MAPS AND/OR FIELD SURVEY AND IS NOT GUARANTEED CORRECT OR COMPLETE. UTILITIES AND STORM DRAINAGE ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND STORM DRAINAGE INCLUDING SERVICES. CONTRACT CALL BEFORE YOU DIG AT 811 72 HOURS PRIOR TO CONSTRUCTION AND VERIFY ALL UNDERGROUND AND OVERHEAD UTILITY AND STORM DRAINAGE LOCATIONS. THE CONTRACTOR SHALL EMPLOY THE USE OF A UTILITY LOCATING COMPANY TO PROVIDE SUBSURFACE UTILITY ENGINEERING CONSISTING OF DESIGNATING UTILITIES AND STORM PIPING ON PRIVATE PROPERTIES WITHIN THE CONTRACT LIMIT AND CONSIDERING OR DESIGNATING AND LOCATING WHERE PROPOSED UTILITY AND STORM PIPING CROSS EXISTING UTILITIES AND STORM PIPING WITHIN THE CONTRACT LIMITS.
17. THE CONTRACTOR SHALL ARRANGE AND COORDINATE WITH UTILITY PROVIDERS FOR WORK TO BE PERFORMED BY UTILITY PROVIDERS. THE CONTRACTOR SHALL PAY ALL UTILITY FEES UNLESS OTHERWISE STATED IN THE PROJECT SPECIFICATION MANUAL AND GENERAL CONDITIONS, AND REPAIR PAVEMENT IS AS NECESSARY.
18. ELECTRIC DRAWINGS AND REQUIREMENTS ARE NOT INCLUDED AS PART OF THIS DRAWING SET AND SHOULD BE OBTAINED FROM THE PROJECT DEVELOPER.
19. ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE PROJECT DEVELOPER, ENGINEER, AND APPROPRIATE REGULATORY AGENCIES PRIOR TO INSTALLATION.
20. THE CONTRACTOR SHALL MAINTAIN ALL FLOWS AND UTILITY CONNECTIONS TO EXISTING BUILDINGS WITHOUT INTERRUPTION UNLESS/UNTIL AUTHORIZED TO DISCONNECT BY THE PROJECT DEVELOPER, TOWN OF SALEM, UTILITY PROVIDERS AND GOVERNING AUTHORITIES.

ENVIRONMENTAL NOTES - RESOURCES PROTECTION MEASURES

- BAT PROTECTION PROGRAM**
- THE PROPOSED FACILITY IS LOCATED WITHIN SENSITIVE HABITAT KNOWN TO BE USED BY NORTHERN LONG-EARED BAT ("NLEB") AND/OR SEPTENTRIONALIS, A FEDERALLY- AND STATE- LISTED ENDANGERED SPECIES, AND "TRICOLORED BAT" ("TCB"), PERMITS/IN SUBPARVING, A FEDERAL AND STATE ENDANGERED SPECIES. THE CONTRACTOR SHALL BE REQUIRED TO PROTECT THESE BAT SPECIES AND PREVENT INCIDENTAL TAKE, PROTECTION AND CONSERVATION MEASURES ARE PROPOSED DURING CONSTRUCTION AND OPERATION OF THE FACILITY. IT IS OF THE MOST IMPORTANT THAT THE CONTRACTOR COMPLY WITH THE REQUIREMENT FOR IMPLEMENTATION OF THESE PROTECTIVE MEASURES AND THE EDUCATION OF ITS EMPLOYEES AND SUBCONTRACTORS PERFORMING WORK ON THE PROJECT. SITE ALL POINTS TECHNOLOGY CORPORATION, P.C. ("APT") WILL SERVE AS THE ENVIRONMENTAL MONITOR FOR THIS PROJECT TO ENSURE THAT THESE PROTECTION AND CONSERVATION MEASURES ARE IMPLEMENTED PROPERLY. APT WILL PROVIDE AN EDUCATION SESSION FOR THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION ACTIVITIES ON THE POTENTIAL PRESENCE OF NLEB AND TCB. THE CONTRACTOR SHALL CONTACT DEAN QUAST ARSON, SENIOR BIOLOGIST AT APT, AT LEAST 5 BUSINESS DAYS PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES TO SCHEDULE A PRE-CONSTRUCTION MEETING. MR. QUAST ARSON CAN BE REACHED BY PHONE AT (860) 552-2023 OR VIA EMAIL AT QUASTARSON@ALLPOINTSTECH.COM.
- THIS PROTECTION PROGRAM CONSISTS OF SEVERAL COMPONENTS: EDUCATION OF ALL CONTRACTORS AND SUBCONTRACTORS ON PRE-INSTALLATION OF WORK ON THE SITE, PROTECTIVE AND CONSERVATION MEASURES, PERIODIC INSPECTION OF THE CONSTRUCTION PROJECT; AND, REPORTING OF ALL NLEB AND TCB PRE-CONSTRUCTION MEASURES. IT IS IMPLEMENTED IN ASSOCIATION WITH CONSTRUCTION AND OPERATION OF THE FACILITY AND PROVIDED BELOW.
1. **PRE-CONSTRUCTION MEETING**
- 1.1 PRIOR TO WORK ON SITE, THE CONTRACTOR SHALL ATTEND AN EDUCATIONAL SESSION AT THE PRE-CONSTRUCTION MEETING WITH APT. THIS ORIENTATION AND EDUCATIONAL MEASURES AS DESCRIBED IN SECTIONS BELOW.
- 1.2 THE CONTRACTOR WILL BE PROVIDED WITH CELL PHONE AND EMAIL CONTACTS FOR APT PERSONNEL TO IMMEDIATELY REPORT ANY ENCOUNTERS WITH NLEB OR TCB. THE EDUCATIONAL POSTER MATERIALS WILL BE PROVIDED BY APT AND DISPLAYED ON THE JOB SITE TO MAINTAIN WORKER AWARENESS AS THE PROJECT PROGRESSES.
- 1.3 IF ANY BARE SPECIES ARE ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY CEASE ALL WORK, AVOID ANY DISTURBANCE TO THE SPECIES, AND CONTACT APT.
- BAT PROTECTION RESTRICTION**
2. A TIME OF YEAR RESTRICTION ("OTYR") FOR TREE CLEARING RESTRICTS TREE REMOVAL TO OCCUR ONLY BETWEEN NOVEMBER 1ST THROUGH APRIL 14TH DURING THE BAT'S INACTIVE SEASON. WHEN NLEB AND TCB WOULD LIKELY BE IN HIBERNACULA AND NOT PRESENT IN FORESTED HABITAT ON THE SUBJECT PROPERTY. DO NOT REMOVE TREES BETWEEN APRIL 15TH THROUGH OCTOBER 31ST.
3. NLEB AND TCB CONSERVATION
- 3.1 TWO (2) MILE² CHAMBER NURSERY BAT HOUSES WILL BE INSTALLED IN THE NORTHERN PORTION OF THE SUBJECT PROPERTY LOCATED IN AN EXISTING CLEARED AREA. THE BAT HOUSES WILL BE PERMANENTLY MAINTAINED AND THE BAT HOUSES WILL BE INSTALLED ON EITHER SIDE OF A SINGLE PERSPECTIVE TREATED 20' FOOT LONG 4" INCH BY 6" BLACK POST EMBEDDED 4 FEET INTO THE GROUND. BAT HOUSE BOXES WILL BE PAINTED BLACK OR A DARK SHADE OF BROWN AND INSTALLED FACING SOUTHEAST TO CAPTURE MORNING SUN AND AT AN SUN EXPOSURE FOR A MINIMUM OF 6 HOURS DAILY. IDEAL CONDITIONS FOR REPAIRS TO BAT HOUSES WILL BE PROVIDED.
4. REPORTING
- 4.1 A COMPLIANCE MONITORING REPORT (BRIEF NARRATIVE AND APPLICABLE PHOTOS) DOCUMENTED AT INSPECTION VERIFYING TOWN OF TREE REMOVAL WAS ADHERED TO AND INSTALLATION OF THE BAT HOUSES WILL BE SUBMITTED BY APT TO THE PERMITTEE FOR COMPLIANCE VERIFICATION. ANY OBSERVATIONS OF BAT'S WILL BE INCLUDED IN THE REPORTS.
- 4.2 FOLLOWING COMPLETION OF THE CONSTRUCTION PROJECT, APT WILL PROVIDE A FINAL COMPLIANCE MONITORING REPORT TO THE PERMITTEE DOCUMENTING IMPLEMENTATION OF THIS RULES AND TCB PROTECTION AND CONSERVATION PROGRAM AND ANY SPECIES OBSERVATIONS. THE PERMITTEE SHALL PROVIDE A COPY OF THE FINAL COMPLIANCE MONITORING REPORT TO THE CONNECTICUT BIDDING COMMUNITY FOR COMPLIANCE.
- 4.3 ANY OBSERVATIONS OF BARE SPECIES WILL BE REPORTED TO DEPT BY APT ON THE APPROPRIATE SPECIAL ANNUAL REPORTING FORM, WITH PHOTO DOCUMENTATION OF THE ANIMAL.

GENERAL LEGEND

	EXISTING	PROPOSED
PROPERTY LINE	----	----
BUILDING SETBACK	----	----
BASEMENT	----	----
TREE LINE	----	----
WETLAND	----	----
WETLAND NOISE BARRIER	----	----
WETLAND BUFFER	----	----
VERNAL POOL	----	----
VERNAL POOL BUFFER	----	----
WATERCOURSE	----	----
WATERCOURSE BUFFER	----	----
MAJOR CONTOUR	----	----
MINOR CONTOUR	----	----
UNDERGROUND ELECTRIC	----	----
OVERHEAD ELECTRIC	----	----
BASIN	----	----
SWALE	----	----
FENCE	----	----
LIMIT OF DISTURBANCE	----	----
FILTER SOCK	----	----
SILT FENCE	----	----

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DESIGN PROFESSIONALS OF RECORD

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GENERAL NOTES & LEGEND

SHEET NUMBER:

GN-1



FAIRY LAKE, LLC

EROSION AND SEDIMENT CONTROL PLAN NOTES

- | CONSTRUCTION OPERATION AND MAINTENANCE PLAN - BY CONTRACTOR | | |
|---|--|---|
| EAS MEASURE | INSPECTION SCHEDULE | MAINTENANCE REQUIRED |
| CONSTRUCTION ENTRANCE | DAILY | PLACE ADDITIONAL STONE, EXTEND THE LENGTH OF REMOVE AND REPLACE THE STONE. CLEAN PAVED SURFACES OF "TRACKED" DEBRISH. |
| COMPOST FILTER SOCK | WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.25" | REPAIR/REPLACE WHEN FAILURE OR DETEIORATION IS OBSERVED |
| SILT FENCE | WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.25" | REPAIR/REPLACE WHEN FAILURE OR DETEIORATION IS OBSERVED. REMOVE SILT WHEN IT REACHES 1/2" THE HEIGHT OF THE FENCE. |
| TOPSOIL/SBORROW STOCKPILES | DAILY | REPAIR/REPLACE SEDIMENT BARRIERS AS NECESSARY. |
| TEMPORARY SOIL PROTECTION | WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.25" | REPAIR ERODED OR BARE AREAS IMMEDIATELY. RESEED AND MULCH. |

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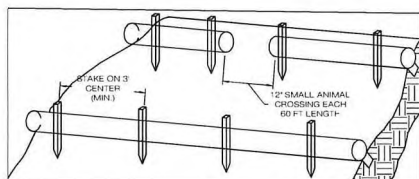
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EROSION &
SEDIMENT CONTROL
NOTES

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EC-2



1. BEGIN AT THE LOCATION WHERE THE SODS ARE TO BE INSTALLED BY EXCAVATING A 2' BY 6' 0" DEEP X 1' 0" (22.9 CM DEEP X 15.2 CM DEEP) TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SODS SHOULD BE PLACED UP SLOPE FROM THE ANCHOR TRENCH.

2. CONTINUE TRENCHING SLOPE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE SODS ON THE UPHILL SIDE. SODS SHALL BE INSTALLED IN 10 FT. CONJUGAL LENGTHS WITH ADJACENT SODS TIGHTLY ABUT. EVERY 60 FT. THE SOD ROW SHALL BE SPACED 12 INCHES CLEAR, END TO END, FOR AMPHIBIAN AND REPTILE TRAVEL. THE OPEN SPACES SHALL BE PLACED IN THE NEARLY HORIZONTAL AREAS OF THE SLOPE.

3. SECURE THE SODS WITH 1/2" (12.7 MM) STAKES EVERY 3' (91.4 CM) AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE SOD LEAVING AT LEAST 2' (61 CM) OF STAKE EXTENDING ABOVE THE SOD. STAKES SHOULD BE DRIVEN PERPENDICULAR TO THE SLOPE FACE.

4. CONSULT WITH THE MANUFACTURER'S SPECIFICATIONS AND INSTALL DIRECTION'S IF DIRECTION OF WATER IS PROVIDED ABOVE.

[illegible]

NOTE
SILT FENCE SHALL BE LAPPED ONLY
WHEN NECESSARY PER THE
MANUFACTURER RECOMMENDATIONS

A diagram showing a cross-section of a single row of composite fiber rock. It features a central core with a wavy, irregular shape, surrounded by a thick, uniform outer layer. The entire structure is enclosed within an oval boundary. The diagram is labeled 'SINGLE ROW OF COMPOSITE FIBER ROCK' at the bottom.

NOTES
1. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF

2. SOIL AGGREGATE STOCKPILE SITES TO BE WHERE SHOWN ON THE DRAWINGS
3. RESTORE STOCKPILE SITES TO PRE-EXISTING PROJECT CONDITION AND RESEED AS REQUIRED
4. STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER

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Date: July 12, 2022

Quick Erosion Control Cover Mix - ERNMX-104

Botanical Name	Common Name
50.00 % <i>Lolium multiflorum</i>	Annual Ryegrass
50.00 % <i>Lolium perenne</i> , 'Blackstone'	Perennial Ryegrass, 'Blackstone'
100.00 %	
Seeding Rate: 50 lb per acre	
Erosion Control & Revegetation	

Designed to achieve that quick, green color and fast erosion control with strong, fibrous roots. Mix formulations are so change without notice depending on the availability of existing and new products. While the formula may change, the philosophy and function of the mix will not.



Date: July 17, 2022

Rain Garden Mix - ERNMX-180

[illegible]

Seeding Rates: 20 lb per acre with a cover crop. For sites that drain within 24 hours of a rain event use 1 lb of the following cover crops: Oats (1 Jan to 31 Jul); 20 lb/acre), Japanese Vetch (1 May to 31 Aug; 10 lb/acre), or grain rye (1 Aug to 31 Dec; 30 lb/acre).

Stormwater Management: Uplands & Meadows

The native perennial forbs and grasses provide food and cover for rain garden biodiversity. Mix formulations are subject to change without notice depending on the availability of existing and new products. While the formula may change, the guiding philosophy and function of the mix will not.



Date: October 24, 2024

Native Steep Slope Mix w/Annual Ryegrass - ERNMX-181

Botanical Name	Common Name
<i>Andropogon gerardii</i> , 'Prairie View' <i>PI Ecotype</i>	Big Bluestem, 'Prairie View' <i>PI Ecotype</i>
<i>Urochloa virgata</i> , Madison <i>PI Ecotype</i>	Virginia Wildrye, Madison <i>PI Ecotype</i>
<i>Lolium multiflorum</i>	Italian Ryegrass
<i>Sorghastrum nutans</i> , <i>NIH Ecotype</i>	Indiangrass, <i>NIH Ecotype</i>
<i>Zinnia purpurea</i> , 'Shawnee'	Shawnee, 'Shawnee'
<i>Andropogon scoparius</i> , 'Prairie View' <i>PI Ecotype</i>	Andropogon, 'Prairie View' <i>PI Ecotype</i>
<i>Sorghum glandulosum</i> , <i>PI Ecotype</i>	Downy Wood-Peat <i>PI Ecotype</i>
<i>Rudbeckia hirta</i>	Black-eyed Susan
<i>Composita leucostachya</i>	Lanceolate Composita
<i>Echinacea purpurea</i>	Purple Coneflower
<i>Helianthus scaberrimus</i> , <i>PI Ecotype</i>	Darwin Sunflower, <i>PI Ecotype</i>
<i>Aster pilosus</i> , <i>PI Ecotype</i>	Heist Aster, <i>PI Ecotype</i>
<i>Horridula rubra</i>	Wild Bergamot
<i>Aquilegia canadensis</i> , <i>PI Ecotype</i>	Indian-pink, <i>PI Ecotype</i>
<i>Aster sp.</i>	Common Yarrow
<i>Solidago rugosa</i> , <i>PI Ecotype</i>	Worm-leaved Goldenrod, <i>PI Ecotype</i>

Seeding Rate: 60 lb per acre, or 1.5 lb per 1,000 sq ft
Erosion Control & Revegetation; Grasses & Grass-like Species - Herbaceous Perennial; Herbaceous Flowering Species - Herbaceous

The native grass and forb species tolerate poor soils typically found on steep slopes in the eastern United States. Mix formulations are subject to change without notice depending on the availability of existing and new products. While the formula may change, the guiding philosophy and function of the mix will not.

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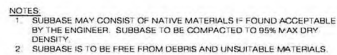
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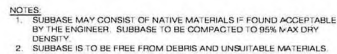
**EROSION &
SEDIMENT CONTROL
DETAILS**

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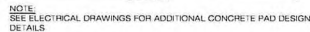
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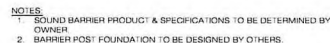
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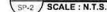
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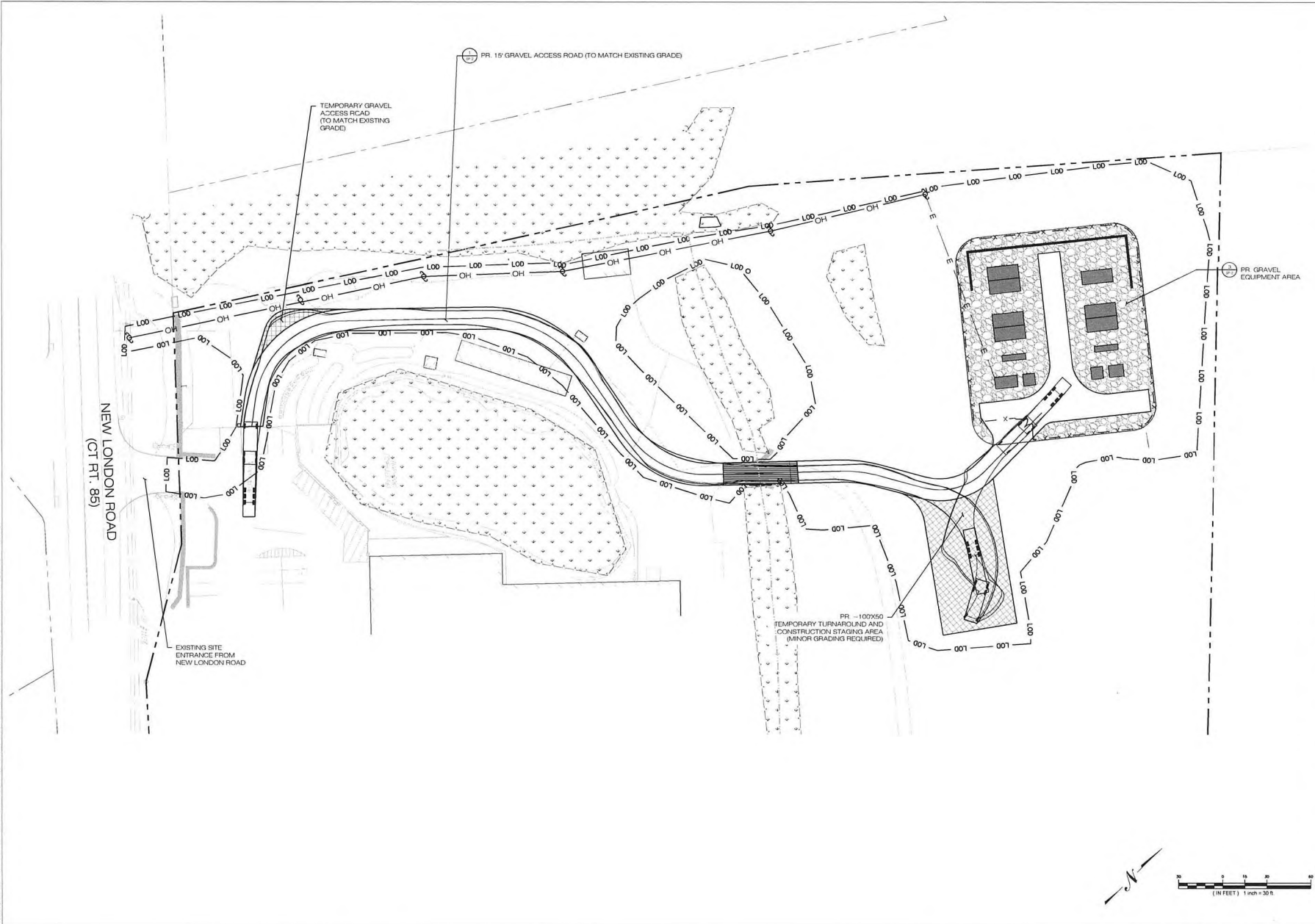
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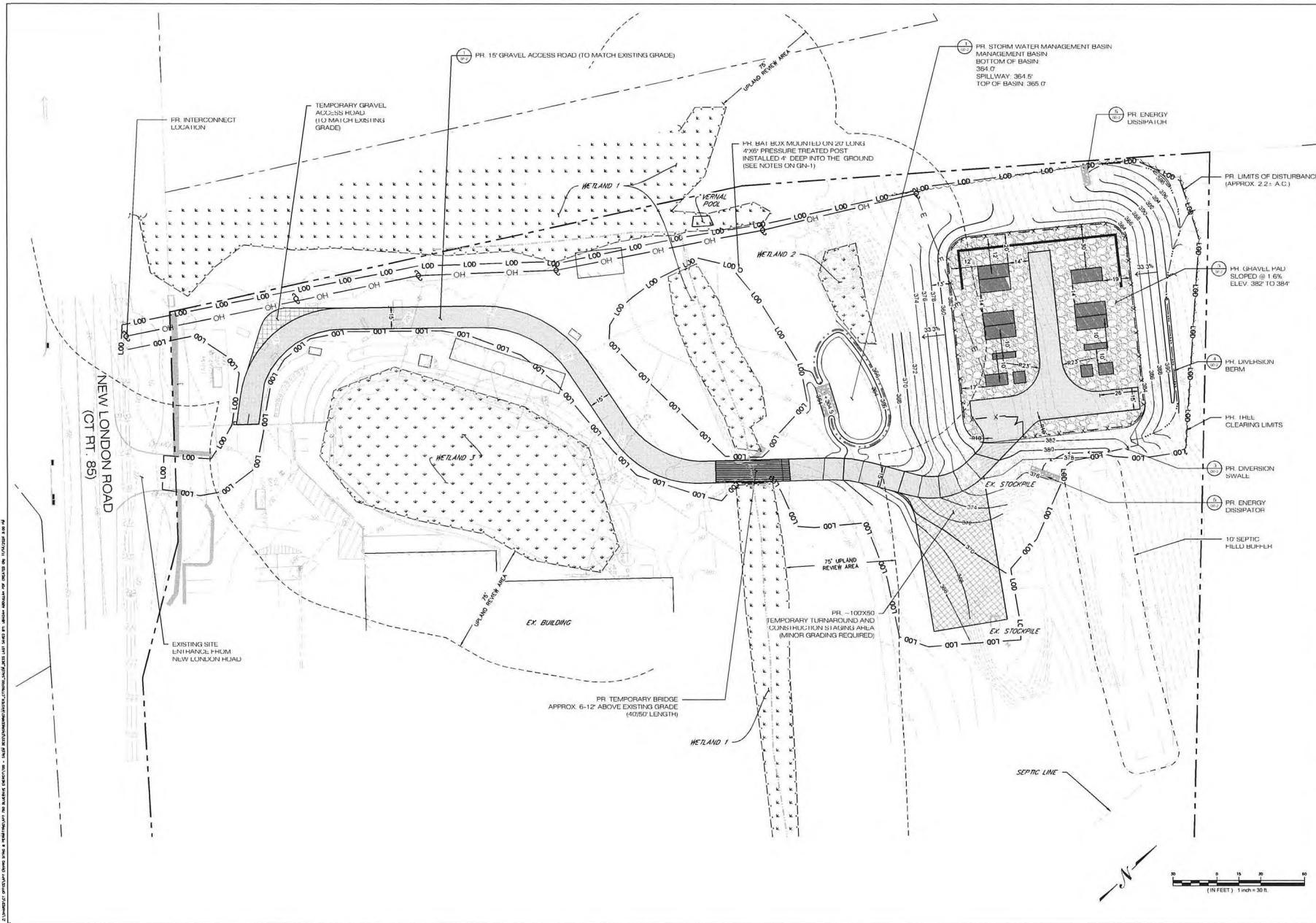
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**VEHICLE
TURNING ANALYSIS**

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TA-1



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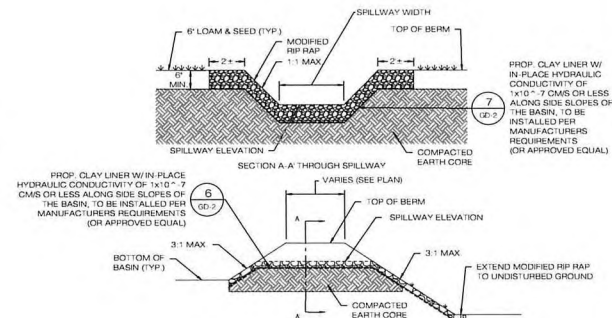
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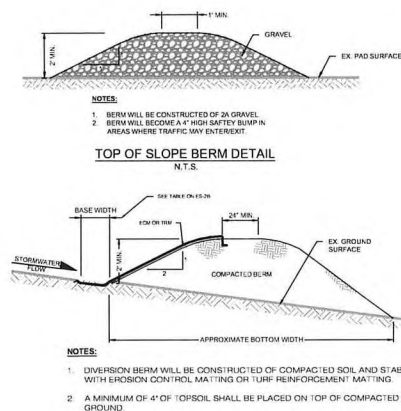
GRADING &
DRAINAGE PLAN

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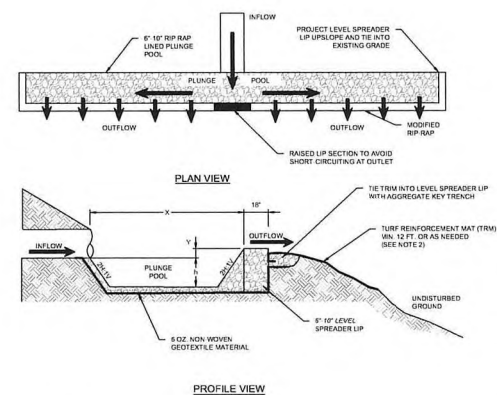
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