

# POMHAM SOLAR PERMITTING PLANS

## PROPERTY:

OFF IRON MINE HILL ROAD  
NORTH SMITHFIELD, RI 02896  
AP 16 LOTS 18 & 19

## LOT 18 PROPERTY OWNER:

JOSEPH AND SANDRA AUTHIER  
850 IRON MINE HILL ROAD  
NORTH SMITHFIELD, RI 02896

## LOT 19 PROPERTY OWNER / PREPARED FOR:

ISLANDER SOLAR, LLC  
396 SPRINGFIELD AVENUE, 2ND FLOOR  
SUMMIT, NJ 07901

JANUARY 7, 2022

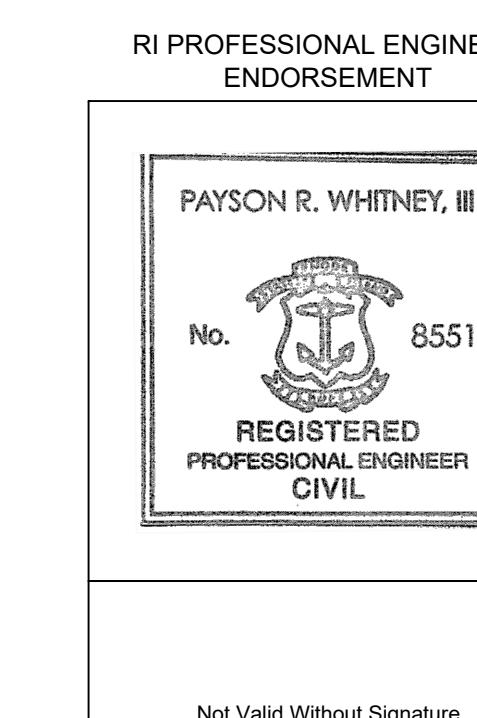
REVISED: JULY 19, 2022 & JULY 21, 2023

## PREPARED BY:



A TRC COMPANY

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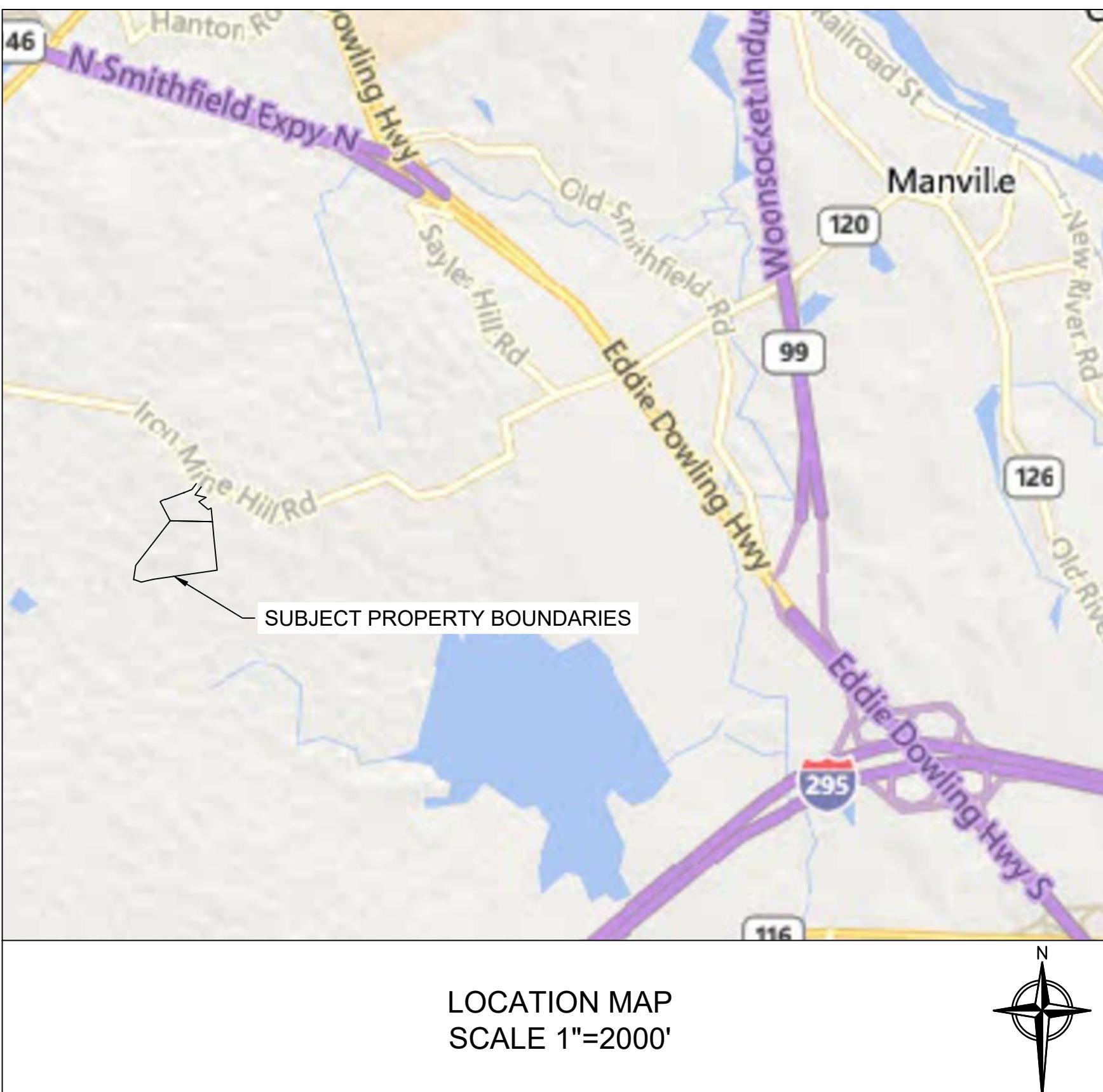
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## ATTACHMENTS

"LIMITED CONTENT BOUNDARY SURVEY", DATED DECEMBER 19, 2019,  
NORTHEAST ENGINEERS & CONSULTANTS.

"ONE LINE DIAGRAM", DATED SEPTEMBER 11, 2018 AND REVISED  
DECEMBER 19, 2018 AND FEBRUARY 12, 2019, PURE POWER ENGINEERING.



**FOR PERMITTING ONLY**

**GENERAL NOTES:**

1. BASE PLAN: "LIMITED CONTENT BOUNDARY SURVEY WITH EXISTING CONDITIONS AND TOPOGRAPHY", DATED DECEMBER 17, 2019, NORTHEAST ENGINEERS & CONSULTANTS.
2. ENGINEER'S ENDORSEMENT IS FOR PERMITTING PURPOSES ONLY. PLANS NOT INTENDED FOR CONSTRUCTION.
3. WETLANDS WERE DELINEATED BY TETRATECH IN 2019 AND SUBSEQUENTLY BY ESS IN AUGUST 2019.
4. PORTIONS OF EXISTING TRAIL SCALED FROM RIGIS WINTER 2019-2020 (LEAF-OFF) DIGITAL AERIAL PHOTOGRAPH.
5. A PORTION OF THE SITE IS LOCATED WITHIN A RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT NATURAL HERITAGE AREA. NATURAL HERITAGE AREA BOUNDARY OBTAINED FROM RHODEMAP, RIGIS, AND RIDEM DATED DECEMBER 2021. NATURAL HERITAGE AREA BOUNDARY LOCATIONS ARE APPROXIMATE.
6. SITE IS NOT LOCATED WITHIN A TOWN REGULATED GROUNDWATER PROTECTION OVERLAY DISTRICT.

**CONSTRUCTION NOTES:**

1. NO CHANGES ARE TO BE MADE UNLESS AUTHORIZED BY THE OWNER.
2. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING, UNDERSTANDING, AND COMPLYING WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL SAFETY CODES, REGULATIONS, LEGAL REQUIREMENTS, PERMIT CONDITIONS, ETC.
3. ALL PRODUCTS TO BE INSTALLED PER MANUFACTURER'S OR DISTRIBUTOR'S INSTRUCTIONS. NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO INSTALLATION.
4. UNLESS OTHERWISE NOTED, ALL WORK SHALL CONFORM TO RIDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION AMENDED 2018, WITH ALL REVISIONS AND R.I. STANDARD DETAILS, 1998 EDITION, WITH ALL REVISIONS.
5. REFER TO CONSTRUCTION RECOMMENDATIONS INCLUDED IN THE "GEOTECHNICAL ENGINEERING REPORT" PREPARED BY TERRACON CONSULTANTS, INC., DATED JANUARY 21, 2021 AS REVISED.
6. THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS TO PROTECT ALL WALKS, STREETS, PAVEMENTS, HIGHWAY GUARDS, CURBING, EDGING, TREES AND PLANTINGS, ETC. ON OR OFF THE PREMISES, AND SHALL REPAIR AND REPLACE OR OTHERWISE MAKE GOOD AT THE CONTRACTOR'S EXPENSE ANY ITEMS DAMAGED AS A RESULT OF THE CONTRACTOR'S WORK.
7. IN THE EVENT THAT SUSPECTED CONTAMINATED SOIL, SEDIMENT, GROUNDWATER, OR OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
8. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING AND GENERATED RUBBLE, DEBRIS AND OTHER DELETERIOUS MATERIAL IN ACCORDANCE WITH THE SPECIFICATIONS AND ALL APPLICABLE CODES AND REGULATIONS.
9. THE CONTRACTOR SHALL MAINTAIN THE PROJECT SITE IN A SAFE AND CLEAN CONDITION FOR THE DURATION OF CONSTRUCTION.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
11. UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS. CONTRACTOR SHALL NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, OR FIRE HYDRANTS WITHOUT APPROPRIATE PERMITS.
12. AREAS OUTSIDE THE LIMITS OF THE PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE AND NO ADDITIONAL COST TO THE OWNER.
13. DAMAGE RESULTING FROM CONSTRUCTION LOADS SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND NO ADDITIONAL COST TO THE OWNER.
14. THE CONTRACTOR SHALL USE DESIGNATED LOCATIONS WITHIN THE ESTABLISHED LIMITS OF DISTURBANCE TO ACCESS THE SITE.
15. BLASTING WILL NOT BE USED FOR THIS PROJECT.

**CONSTRUCTION SEQUENCE NOTES:**

1. PHASING AND CONSTRUCTION SEQUENCE SHALL BE IMPLEMENTED TO MINIMIZE THE AMOUNT OF EARTH DISTURBANCE AT ANY ONE TIME. EARTH DISTURBANCE ACTIVITIES DURING EACH PHASE OF CONSTRUCTION SHALL BE LIMITED TO A MAXIMUM OF 5 ACRES WITH A COMMON DRAINAGE LOCATION. INITIATE APPROPRIATE STABILIZATION PRACTICES ON ALL DISTURBED AREAS AS SOON AS POSSIBLE, BUT NOT MORE THAN FOURTEEN DAYS AFTER THE CONSTRUCTION ACTIVITY IN THE AREA HAS TEMPORARILY OR PERMANENTLY CEASED AND PRIOR TO INITIATING LAND DISTURBANCE IN SUBSEQUENT PHASES.
2. WORK ASSOCIATED WITH THE PROJECT IS EXPECTED TO OCCUR IN THE FOLLOWING GENERAL ORDER, THOUGH SOME TASKS MAY OCCUR SIMULTANEOUSLY OR IN A DIFFERENT ORDER BASED ON CONTRACTOR'S MEANS AND METHODS:

- 2.1. **PHASE 1 SITE ACCESS**
  - 2.1.1. ERECT OR POST A TWELVE (12) INCH WIDE BY EIGHTEEN (18) INCH LONG WEATHER RESISTANT SIGN WHICH BOLDLY STATES THE RIDEM PERMIT NUMBER. SIGN SHALL NOT BE INSTALLED TO A LIVE TREE.
  - 2.1.2. CLEARLY MARK LIMITS OF DISTURBANCE FOR ALL PHASES.
  - 2.1.3. INSTALL ALL PERIMETER EROSION, RUNOFF, AND SEDIMENT CONTROLS AND TEMPORARY POLLUTION PREVENTION MEASURES THAT ARE REQUIRED TO BE IN PLACE AND FUNCTIONAL BEFORE ANY SITE WORK BEGINS. THIS SHALL BE DONE IN ACCORDANCE WITH THE RI SESC HANDBOOK. UPON ACCEPTABLE COMPLETION OF SITE PREPARATION AND INSTALLATION OF EROSION, RUNOFF, AND SEDIMENT CONTROLS AND TEMPORARY POLLUTION PREVENTION MEASURES, SITE CONSTRUCTION ACTIVITIES MAY COMMENCE.
  - 2.1.4. MARK SHADE TREES TO BE CUT FOR APPROVAL.
  - 2.1.5. CLEAR TREES AND SELECTIVELY CUT APPROVED SHADE TREES
  - 2.1.6. CLEAR AND GRUB ONLY AREAS REQUIRED TO COMPLETE THE WORK INCLUDED IN PHASE 1.
  - 2.1.7. INSTALL AND MAINTAIN CONSTRUCTION ENTRANCE AND LAYDOWN AREA.
- 2.2. **PHASE 2 SITE STORMWATER CONTROLS**

- 2.2.1. INSTALL INTERIOR EROSION AND SEDIMENT CONTROLS.
- 2.2.2. CLEAR AND GRUB ONLY AS NEEDED TO COMPLETE THE WORK INCLUDED IN PHASE 2.
- 2.2.3. INSTALL BASINS.
- 2.2.4. SPECIAL CARE SHALL BE TAKEN TO PREVENT SEDIMENT-LADEN RUNOFF FROM ENTERING THE BASINS. ANY SEDIMENT DEPOSITED WITHIN THE BASINS OR TRAPPED BY THE FILTER SOCK MUST BE PROMPTLY REMOVED. SEDIMENT-LADEN RUNOFF HAS THE POTENTIAL TO ADVERSELY AFFECT THE INFILTRATION CAPACITY OF UNDERLYING SOILS. IF SEDIMENT IS DEPOSITED INTO THE BASINS THE UNDERLYING SOILS MUST BE EXCAVATED TO REMOVE ANY DEPOSITED SEDIMENT AND SUPPLEMENTED TO RE-ESTABLISH THE INFILTRATION CAPACITY OF THE UNDERLYING SOILS TO THEIR PRE-CONSTRUCTION CONDITION.
- 2.3. **PHASE 3. EQUIPMENT AND FENCE INSTALLATION**
  - 2.3.1. CLEAR AND GRUB ONLY AS NEEDED TO COMPLETE THE WORK INCLUDED IN PHASE 3.
  - 2.3.2. INSTALL TEMPORARY SEDIMENT TRAPS.
  - 2.3.3. GRADE AND PREPARE AREA WITHIN FENCE AS NECESSARY FOR SOLAR ARRAY INSTALLATION.
  - 2.3.4. INSTALL TEMPORARY STABILIZATION.
  - 2.3.5. RESTORE TEMPORARY SEDIMENT TRAPS.
  - 2.3.6. INSTALL PERIMETER FENCE, SOLAR ARRAY, AND ASSOCIATED WORK.
  - 2.3.7. REMOVE AND RESTORE TEMPORARY LAYDOWN AREA BY REMOVING CRUSHED STONE AND FILTER CLOTH AND SUITABLY TILLING AND AMENDING SOILS TO RESTORE INFILTRATION CAPACITY. AERATE ANY EXISTING TURF AREAS THAT HAVE BECOME COMPACTED DURING CONSTRUCTION.
- 2.4. **PHASE 4 FINAL SITE STABILIZATION**
  - 2.4.1. PERMANENTLY STABILIZE SITE.
  - 2.4.2. INSPECT, CLEAN, AND REPAIR ALL BASINS AND FOREBAYS.
  - 2.4.3. REMOVE RIDEM PERMIT SIGN, LOD MARKINGS, TEMPORARY POLLUTION PREVENTION MEASURES, AND TEMPORARY EROSION AND SEDIMENT CONTROLS. INSPECT AND REPAIR OR REPLACE PERMANENT FILTER SOCK INSTALLED IN BASIN 1 SAND FILTER.
  - 2.4.4. COMPLETE FINAL SITE STABILIZATION OF ALL REMAINING DISTURBED AREAS AFTER REMOVAL OF TEMPORARY EROSION, RUNOFF, AND SEDIMENT CONTROLS AND TEMPORARY POLLUTION PREVENTION MEASURES.
  - 2.4.5. COMPLETE SITE CLEANUP AND RESTORATION.

**EROSION & SEDIMENTATION CONTROL NOTES:**

1. THE CONTRACTOR IS REQUIRED TO REVIEW AND IMPLEMENT THE SOIL EROSION AND SEDIMENT CONTROL PLAN THROUGHOUT CONSTRUCTION. THE PLAN MUST BE MAINTAINED AT THE SITE. IT IS THE OPERATOR'S RESPONSIBILITY TO MANAGE THE SITE DURING EACH CONSTRUCTION PHASE SO AS TO PREVENT POLLUTANTS FROM LEAVING THE SITE. THIS MAY REQUIRE THE CONTRACTOR TO REVISE AND AMEND THE SESC PLAN DURING CONSTRUCTION TO ADDRESS VARYING SITE AND/OR WEATHER CONDITIONS, SUCH AS BY ADDING OR REALIGNING EROSION OR SEDIMENT CONTROLS TO ENSURE THE SESC PLAN REMAINS COMPLIANT WITH THE RIDES CONSTRUCTION GENERAL PERMIT.
2. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED AS SHOWN HEREIN OR AS DIRECTED BY THE ENGINEER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING EROSION CONTROL MEASURES TO PREVENT OFF-SITE TRACKING OF EARTH, SEDIMENT AND DEBRIS. THE CONTRACTOR SHALL REMOVE ANY SEDIMENT TRACKED ONTO PUBLIC RIGHT OF WAYS AT THE END OF EACH DAY.
4. TEMPORARY CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. THE ENTRANCE SHALL BE APPROXIMATELY 50 FEET LONG, AND SHALL BE MADE OF CRUSHED STONE CONSISTENT WITH RIDOT MATERIAL SPECIFICATION M-01-09 TABLE I, COLUMN II. THE WIDTH OF THE CONSTRUCTION ENTRANCE SHALL BE EQUAL TO THE WIDTH OF THE PROPOSED SITE ENTRANCE. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED BY THE CONTRACTOR IN A CONDITION THAT SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO ROADS. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO ROADS SHALL BE REMOVED. DURING WET WEATHER, IT MAY BE NECESSARY TO WASH VEHICLE TIRES AT THESE LOCATIONS PRIOR TO VEHICLES LEAVING THE SITE.
5. PERIMETER SOIL AND EROSION CONTROLS SHALL BE PLACED PRIOR TO ANY CONSTRUCTION ACTIVITIES. CONTRACTOR TO NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES. ALL SOIL AND EROSION CONTROLS SHALL BE CHECKED AND REPAIRED AS NECESSARY.
6. ALL TEMPORARY EROSION, RUNOFF, SEDIMENT, AND POLLUTION PREVENTION CONTROL MEASURES SHALL BE INSTALLED BY THE TIME EACH PHASE OF EARTH DISTURBANCE HAS BEGUN.
7. EXISTING PLANTABLE SOIL SHALL BE PRESERVED TO THE MAXIMUM EXTENT FEASIBLE AND AS NECESSARY TO SUPPORT HEALTHY VEGETATION, PROMOTE SOIL STABILIZATION, AND INCREASE STORMWATER INFILTRATION RATES.
8. EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF EACH STORM EVENT GREATER THAN 0.25 INCHES OF RAINFALL. ALL DAMAGED FILTER SOCKS SHALL BE REPLACED. ACCUMULATED SEDIMENT SHALL BE STOCKPILED FOR LATER REUSE.
9. INITIATE APPROPRIATE TEMPORARY OR PERMANENT STABILIZATION PRACTICES ON ALL DISTURBED AREAS AS SOON AS POSSIBLE, BUT NOT MORE THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THE AREA HAS TEMPORARILY OR PERMANENTLY CEASED. ANY DISTURBED AREA THAT WILL NOT HAVE ACTIVE CONSTRUCTION ACTIVITY OCCURRING WITHIN 14 DAYS MUST BE STABILIZED IN ACCORDANCE WITH THE RI SESC HANDBOOK.
10. TEMPORARY STRAW MULCH, WOOD CHIP MULCH, OR TEMPORARY EROSION CONTROL BLANKETS SHALL BE USED WHERE NON-VEGETATIVE COVER IS REQUIRED FOR A PERIOD GREATER THAN 14 DAYS BUT LESS THAN SIX MONTHS. MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MACHINE RESULTING IN 100% COVERAGE OF THE DISTURBED SOIL. IF ANCHORING IS NECESSARY, TACKIFIERS AND/OR NETTING EITHER WITH THE MULCH OR IMMEDIATELY FOLLOWING MULCH APPLICATION SHALL BE USED.

11. TEMPORARY SEEDING SHALL BE USED WHERE VEGETATIVE COVER IS REQUIRED FOR A PERIOD GREATER THAN ONE MONTH BUT LESS THAN TWELVE MONTHS ON DISTURBED SOIL AREAS. RAPIDLY GROWING ANNUAL GRASSES WILL BE UNIFORMLY APPLIED AT THE RATE ASSOCIATED WITH HYDRAULIC APPLICATION (HYDROSEED). THE SITE SHALL BE CHECKED PERIODICALLY TO ASSESS THE GROWTH OF THE PLANTS. IF SEEDING FAILS TO GROW, THE AREA SHALL BE RE-ESTABLISHED TO PROVIDE ADEQUATE EROSION CONTROL. THE SEED MIXTURE SHALL BE RIDOT TEMPORARY SEED MIX (M18.10.5), OR APPROVED EQUIVALENT.

12. EROSION CONTROL MEASURES SHALL BE REMOVED WHEN THE DISTURBED AREA IS STABILIZED OR AS SPECIFIED BY THE ENGINEER. DISTURBED AREA RESULTING FROM THE FILTER SOCK REMOVAL OPERATION SHALL BE PERMANENTLY SEEDED. ALL ACCUMULATED SEDIMENT SHALL BE STOCKPILED FOR LATER REUSE.

13. ALL DISTURBED OR UNVEGETATED SOIL SHALL HAVE A MINIMUM OF SIX INCHES OF LOAM (RIDOT M.18.01) OR PLANTABLE SOIL (RIDOT M.18.02) PLACED BEFORE BEING PERMANENTLY SEEDED AND MULCHED AS APPLICABLE. LOAM OR PLANTABLE SOIL FROM AN OFF SITE BORROW SOURCE SHALL BE SAMPLED AND APPROVED FOR USE PRIOR TO ITS DELIVERY TO THE SITE.

14. PERMANENT SEEDING SHALL BE APPLIED WITH A HYDROMULCH APPROVED BY THE ENGINEER. APPROVED HYDRO-MULCH SHALL BE APPLIED AS PERMANENT SEEDING PRIOR TO INSTALLING EROSION CONTROL BLANKETS OR TURF REINFORCEMENT MATS. GROUNDWATER SEEPAGE OCCURRING AT CUT SLOPES SHALL BE ADDRESSED PRIOR TO INSTALLING HYDRO-MULCH AND EROSION CONTROL BLANKET/TURF REINFORCEMENT MAT.

15. PERMANENT SEEDING SHALL BE USED ON AREAS SHOWN AND WHERE PERMANENT VEGETATIVE COVER IS NEEDED TO STABILIZE THE SOIL AND REDUCE EROSION AND SEDIMENTATION. RAPIDLY GROWING ANNUAL GRASSES SHALL BE UNIFORMLY APPLIED AT THE RATE ASSOCIATED WITH HYDRAULIC APPLICATION (HYDROSEEDING). THE SEED MIXTURES TO BE USED FOR PERMANENT STABILIZATION ARE SHOWN HEREIN.

16. FULL ADVANTAGE SHALL BE TAKEN OF TIME AND WEATHER CONDITIONS BEST SUITED FOR SEEDING. THE NORMAL DATES FOR PERMANENT SEEDING SHALL BE FROM APRIL 1ST TO MAY 31ST OR AUGUST 15TH TO OCTOBER 15TH. AREAS THAT DO NOT HAVE ADEQUATE VEGETATIVE STABILIZATION BY NOVEMBER 15TH, MUST BE STABILIZED THROUGH THE USE OF NON-VEGETATIVE EROSION CONTROL MEASURES. AREAS SEEDED BETWEEN MAY 31ST AND AUGUST 15TH SHALL BE COVERED WITH STRAW MULCH. DURING THESE MONTHS, TEMPORARY AND PERMANENT SEEDED AREAS SHALL BE MULCHED IMMEDIATELY FOLLOWING SEEDING.

17. DUST FROM THE SITE SHALL BE CONTROLLED BY USING COVERED TRUCKS, WETTING EXPOSED SOIL AREAS, SEEDING, INSTALLING WIND SCREENS AND/OR BARRIERS, MINIMIZING UNNECESSARY TRANSFERS AND DISTURBANCES OF EARTH MATERIALS AND ON-GOING CONSTRUCTION CLEAN-UP. SEVERAL APPLICATIONS PER DAY MAY BE NECESSARY DEPENDING UPON WEATHER CONDITIONS AND WORK ACTIVITY. DUST CONTROL TREATMENT AGENTS SHALL NOT BE APPLIED.

18. CARE SHOULD BE TAKEN TO THE BEST OF THE OPERATOR'S ABILITY TO AVOID DISTURBING LARGE AREAS PRIOR TO ANTICIPATED PRECIPITATION EVENTS. AT A MINIMUM, STORM EVENTS MUST BE MONITORED AND TRACKED IN ORDER TO DETERMINE WHEN POST-STORM EVENT INSPECTIONS MUST BE CONDUCTED.

19. INSPECTIONS OF EROSION CONTROLS MUST BE CONDUCTED AND DOCUMENTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN TWENTY-FOUR (24) HOURS AFTER ANY STORM EVENT, WHICH GENERATES AT LEAST 0.25 INCHES OF RAINFALL PER TWENTY-FOUR (24) HOUR PERIOD AND/OR AFTER A SIGNIFICANT AMOUNT OF RUNOFF OR SNOWMELT. ALL DAMAGED FILTER SOCKS SHALL BE REPLACED. ACCUMULATED SEDIMENT SHALL BE STOCKPILED FOR LATER REUSE.

20. FILL MATERIAL SHALL BE FREE OF STUMPS, WOODS, ROOTS, AND OTHER DELETERIOUS MATERIAL.

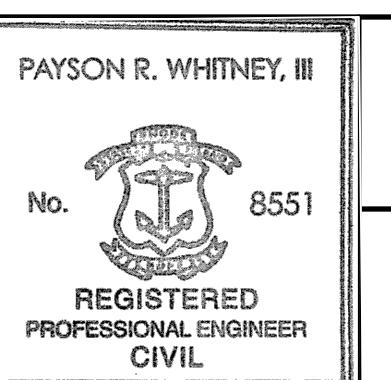
21. SOIL AND MATERIAL STOCKPILES SHALL BE LOCATED AND MANAGED AS SHOWN HEREIN, AND AS SPECIFIED BY THE ENGINEER. ALL SOIL STOCKPILES SHALL BE SURROUNDED BY EROSION CONTROL BARRIERS REGARDLESS OF THEIR DURATION OF EXPOSURE UNTIL SUCH TIME AS THE MATERIAL IS RESPADED AND STABILIZED OR TRANSPORTED OFF SITE. STOCKPILES THAT ARE NOT TO BE USED WITHIN 30 DAYS SHALL BE TEMPORARILY STABILIZED WITH SEED AND MULCH OR COVERED WITH POLYETHYLENE SHEETING.

22. HERBICIDES SHALL NOT BE USED TO CONTROL VEGETATION ON THE SITE PER NORTH SMITHFIELD PRELIMINARY PLAN APPROVAL STIPULATION L.

**TEMPORARY SEDIMENT TRAP NOTES**

1. CLEAR, GRUB AND STRIP ANY VEGETATION AND ROOT MAT FROM ANY PROPOSED EMBANKMENT AND OUTLET AREA. REMOVE STONES AND ROCKS WHOSE DIAMETER IS GREATER THAN THREE (3) INCHES AND OTHER DEBRIS.
2. EXCAVATE WET STORAGE AND CONSTRUCT THE EMBANKMENT AND/OR OUTLET AS NEEDED TO ATTAIN THE NECESSARY STORAGE REQUIREMENTS. USE ONLY FILL MATERIAL FOR THE EMBANKMENT THAT IS FREE FROM EXCESSIVE ORGANICS, DEBRIS, LARGE ROCKS (OVER SIX (6) INCHES) OR OTHER UNSUITABLE MATERIALS. COMPACT THE EMBANKMENT IN 9-INCH LAYERS BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
3. STABILIZE THE EARTHEN EMBANKMENT USING ANY OF THE FOLLOWING MEASURES, SEEDING FOR TEMPORARY VEGETATIVE COVER; SEEDING FOR PERMANENT VEGETATIVE COVER; OR SLOPE PROTECTION, IMMEDIATELY AFTER INSTALLATION.
4. CARRY OUT CONSTRUCTION OPERATIONS IN SUCH A MANNER THAT EROSION AND WATER POLLUTION ARE MINIMIZED.
5. INSPECT THE TEMPORARY SEDIMENT TRAP AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.25 INCH OR GREATER. CHECK THE OUTLET TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT. THE HEIGHT OF THE STONE OUTLET OR WEIR CREST SHOULD BE MAINTAINED AT LEAST 1 FOOT BELOW THE CREST OF THE EMBANKMENT. ALSO CHECK FOR SEDIMENT ACCUMULATION AND FILTRATION PERFORMANCE.
6. WHEN SEDIMENTS HAVE ACCUMULATED TO ONE HALF THE MINIMUM REQUIRED VOLUME OF THE WET STORAGE, DEWATER THE TRAP AS NEEDED. REMOVE SEDIMENTS AND RESTORE THE TRAP TO ITS ORIGINAL DIMENSIONS. DISPOSE OF THE SEDIMENT REMOVED FROM THE BASIN IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE AND CAUSE SEDIMENTATION PROBLEMS.
7. THE TEMPORARY SEDIMENT TRAP MAY BE REMOVED AFTER THE CONTRIBUTING DRAINAGE AREA IS STABILIZED.

8. THE TEMPORARY SEDIMENT TRAP MAY BE REMOVED AFTER THE CONTRIBUTING DRAINAGE AREA IS STABILIZED.



1. TOWN PRELIMINARY APPROVAL STIPULATIONS K & L	7/18/2023	GJR	GJR	PRW	
No.	REVISION	DATE	DRAWN	DESIGN	CHK
1					

#### STORMWATER BASIN NOTES:

- AREAS DESIGNATED FOR BORROW AREAS, EMBANKMENT AND STRUCTURAL WORKS SHALL BE CLEARED, GRUBBED AND STRIPPED OF PLANTABLE SOIL. ALL TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED. ALL GRADED AREAS SHALL BE NO STEEPER THAN 3:1. ALL TREES SHALL BE CLEARED AND GRUBBED WITHIN 15 FEET OF THE TOE OF THE EMBANKMENT, AND WITHIN 25 FEET OF THE PRINCIPAL SPILLWAY OUTLET. AREAS TO BE COVERED BY THE DETENTION BASIN WILL BE CLEARED OF ALL BOULDERS, TREES, BRUSH, LOGS, FENCES, RUBBISH AND OTHER OBJECTIONABLE MATERIAL.
- ALL WORK ON BASIN STRUCTURES SHALL BE CARRIED OUT IN AREAS FREE FROM WATER. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN ALL TEMPORARY DIKES, LEVEES, COFFERDAMS, DRAINAGE CHANNELS, AND DIVERSION SWALES AS NECESSARY TO PROTECT THE AREAS TO BE OCCUPIED BY THE DETENTION BASINS.
- THE CONTRACTOR SHALL ALSO FURNISH, INSTALL, OPERATE, AND MAINTAIN ALL NECESSARY PUMPING AND OTHER EQUIPMENT REQUIRED FOR REMOVAL OF WATER FROM VARIOUS PARTS OF THE WORK AND FOR MAINTAINING THE EXCAVATIONS, FOUNDATION, AND OTHER PARTS OF THE WORK FREE FROM WATER AS REQUIRED OR DIRECTED BY THE ENGINEER FOR CONSTRUCTING EACH PART OF THE WORK. AFTER HAVING SERVED THEIR PURPOSE, ALL TEMPORARY PROTECTIVE WORKS SHALL BE REMOVED OR LEVELED AND GRADED TO THE EXTENT REQUIRED TO PREVENT OBSTRUCTION IN ANY DEGREE WHATSOEVER OF THE FLOW OF WATER TO THE SPILLWAY OR OUTLET WORKS AND SO AS NOT TO INTERFERE IN ANY WAY WITH THE OPERATION OR MAINTENANCE OF THE STRUCTURE. THE REMOVAL OF WATER FROM THE REQUIRED EXCAVATION AND THE FOUNDATION SHALL BE ACCOMPLISHED IN A MANNER AND TO THE EXTENT THAT WILL MAINTAIN STABILITY OF THE EXCAVATED SLOPES AND BOTTOM REQUIRED EXCAVATIONS AND WILL ALLOW SATISFACTORY PERFORMANCE OF ALL CONSTRUCTION OPERATIONS. DURING THE PLACING AND COMPACTION OF MATERIAL IN REQUIRED EXCAVATIONS, THE WATER LEVEL AT THE LOCATIONS BEING REFILLED SHALL BE MAINTAINED BELOW THE BOTTOM OF THE EXCAVATION AT SUCH LOCATIONS WHICH MAY REQUIRE DRAINING THE WATER SUMPS FROM WHICH THE WATER SHALL BE PUMPED.
- ALL EXCAVATED AREAS SHALL BE GRADED TO PROVIDE PROPER DRAINAGE AND LEFT IN A SIGHTLY CONDITION. ALL EXPOSED SURFACES OF THE EMBANKMENT, SPILLWAY, SPOIL AND BORROW AREAS, AND BERMS SHALL BE STABILIZED BY SEEDING, LIMING, FERTILIZING AND MULCHING.
- THE OUTLET PIPE SHALL BE LAID IN A CONCRETE BEDDING / CRADLE FOR ITS ENTIRE LENGTH. THIS BEDDING / CRADLE SHALL CONSIST OF HIGH SLUMP CONCRETE PLACED UNDER THE PIPE AND UP THE SIDES OF THE PIPE AT LEAST 50% OF ITS OUTSIDE DIAMETER WITH A MINIMUM THICKNESS OF 6 INCHES. WHERE A CONCRETE CRADLE IS NOT NEEDED FOR STRUCTURAL REASONS, FLOWABLE FILL MAY BE USED AS DESCRIBED IN NOTE 6 BELOW. GRAVEL BEDDING IS NOT PERMITTED.
- BACKFILL ADJACENT TO PIPES OR STRUCTURES SHALL BE OF THE TYPE AND QUALITY CONFORMING TO THAT SPECIFIED FOR THE ADJOINING FILL MATERIAL. THE FILL SHALL BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED FOUR INCHES IN THICKNESS AND COMPACTION BY HAND TAMPERS OR OTHER MANUALLY DIRECTED COMPACTION EQUIPMENT. THE MATERIAL NEEDS TO FILL COMPLETELY ALL SPACES UNDER AND ADJACENT TO THE PIPE. AT NO TIME DURING THE BACKFILLING OPERATION SHALL DRIVEN EQUIPMENT BE ALLOWED TO OPERATE CLOSER THAN FOUR FEET, MEASURED HORIZONTALLY, TO ANY PART OF A STRUCTURE. UNDER NO CIRCUMSTANCES SHALL EQUIPMENT BE DRIVEN OVER ANY PART OF A CONCRETE STRUCTURE OR PIPE, UNLESS THERE IS A COMPACTED FILL OF 24 INCHES OR GREATER OVER THE STRUCTURE OR PIPE. STRUCTURE BACKFILL MAY BE FLOWABLE FILL MEETING THE REQUIREMENTS OF THE FEDERAL HIGHWAY ADMINISTRATION STANDARDS. THE MIXTURE SHALL HAVE A 100-200 PSI, 28-DAY UNCONFINED COMPRESSIVE STRENGTH. THE FLOWABLE FILL SHALL HAVE A MINIMUM PH OF 4.0 AND A MINIMUM RESISTIVITY OF 2,000 OHM-CM. MATERIAL SHALL BE PLACED SUCH THAT A MINIMUM OF 6 INCHES (MEASURED PERPENDICULAR TO THE OUTSIDE OF THE PIPE) OF FLOWABLE FILL SHALL BE UNDER (BEDDING), OVER AND, ON THE SIDES OF THE PIPE. IT ONLY NEEDS TO EXTEND UP TO THE SPRING LINE FOR RIGID CONDUITS. AVERAGE SLUMP OF THE FILL SHALL BE 7 INCHES TO ASSURE FLOWABILITY OF THE MATERIAL. ADEQUATE MEASURES SHALL BE TAKEN (SAND BAGS, ETC.) TO PREVENT FLOATING THE PIPE. ANY ADJOINING SOIL FILL SHALL BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED 4 INCHES IN THICKNESS AND COMPACTION BY HAND TAMPERS OR OTHER MANUALLY DIRECTED COMPACTION EQUIPMENT. THE MATERIAL SHALL COMPLETELY FILL ALL VOIDS ADJACENT TO THE FLOWABLE FILL ZONE. AT NO TIME DURING THE BACKFILLING OPERATION SHALL DRIVEN EQUIPMENT BE ALLOWED TO OPERATE CLOSER THAN FOUR FEET, MEASURED HORIZONTALLY, TO ANY PART OF A STRUCTURE. UNDER NO CIRCUMSTANCES SHALL EQUIPMENT BE DRIVEN OVER ANY PART OF A CONCRETE STRUCTURE OR PIPE UNLESS THERE IS A COMPACTED FILL OF 24 INCHES OR GREATER OVER THE STRUCTURE OR PIPE. BACKFILL MATERIAL OUTSIDE THE STRUCTURAL BACKFILL (FLOWABLE FILL) ZONE SHALL BE OF THE TYPE AND QUALITY CONFORMING TO THAT SPECIFIED FOR THE CORE OF THE EMBANKMENT OR OTHER EMBANKMENT MATERIALS.
- FILL MATERIAL - THE FILL MATERIAL SHALL BE TAKEN FROM APPROVED DESIGNATED BORROW AREAS. IT SHALL BE FREE OF ROOTS, STUMPS, WOOD, RUBBISH, STONES GREATER THAN 6 INCHES, FROZEN OR OTHER OBJECTIONABLE MATERIALS. FILL MATERIAL FOR THE CENTER OF THE EMBANKMENT SHALL CONFORM TO UNIFIED SOIL CLASSIFICATION GC, SC, CH, OR CL AND MUST HAVE AT LEAST 30% PASSING THE #200 SIEVE. MATERIALS USED IN THE OUTER SHELL OF THE EMBANKMENT MUST HAVE THE CAPABILITY TO SUPPORT VEGETATION OF THE QUALITY REQUIRED TO PREVENT EROSION OF THE EMBANKMENT.
- PLACEMENT - AREAS ON WHICH FILL IS TO BE PLACED SHALL BE SCARIFIED PRIOR TO PLACEMENT OF FILL. MATERIALS SHALL BE PLACED IN MAXIMUM 8-INCH THICK (BEFORE COMPACTION) LAYERS WHICH ARE TO BE CONTINUOUS OVER THE ENTIRE LENGTH OF THE FILL. THE MOST PERMEABLE BORROW MATERIAL SHALL BE PLACED IN THE DOWNSTREAM PORTIONS OF THE EMBANKMENT. THE PRINCIPAL SPILLWAY MUST BE INSTALLED CONCURRENTLY WITH FILL PLACEMENT AND NOT EXCAVATED INTO THE EMBANKMENT.
- COMPACTION - THE MOVEMENT OF THE HAULING AND SPREADING EQUIPMENT OVER THE FILL SHALL BE CONTROLLED SO THAT THE ENTIRE SURFACE OF EACH LIFT SHALL BE TRAVESED BY NOT LESS THAN ONE TREAD TRACK OF HEAVY EQUIPMENT OR COMPACTION SHALL BE ACHIEVED BY A MINIMUM OF FOUR COMPLETE PASSES OF A SHEEPSFOOT, RUBBER TIRED OR VIBRATORY ROLLER. FILL MATERIAL SHALL CONTAIN SUFFICIENT MOISTURE SUCH THAT THE REQUIRED DEGREE OF COMPACTION WILL BE OBTAINED WITH THE EQUIPMENT USED. THE FILL MATERIAL SHALL CONTAIN SUFFICIENT MOISTURE SO THAT IF FORMED INTO A BALL IT WILL NOT CRUMBLE, YET NOT BE SO WET THAT WATER CAN BE SQUEEZED OUT. WHEN REQUIRED BY THE APPROVING AGENCY THE MINIMUM REQUIRED DENSITY SHALL NOT BE LESS THAN 95% OF MAXIMUM DRY DENSITY WITH A MOISTURE CONTENT WITHIN 2% OF THE OPTIMUM. EACH LAYER OF FILL SHALL BE COMPACTION AS NECESSARY TO OBTAIN THAT DENSITY, AND IS TO BE CERTIFIED BY THE ENGINEER AT THE TIME OF CONSTRUCTION. ALL COMPACTION IS TO BE DETERMINED BY AASHTO METHOD T-99 (STANDARD PROCTOR).

#### UTILITIES NOTES:

- THE CONTRACTOR SHALL CALL "DIG SAFE" AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO EXCAVATION.
- THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE AGENCIES AND UTILITY COMPANIES, IN WRITING, A MINIMUM OF 72 HOURS PRIOR TO ANY CONSTRUCTION WITHIN 15 FEET OF A UTILITY LINE.
- EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE. ADDITIONAL UTILITIES MAY EXIST THAT ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE AND UTILITIES BOTH UNDERGROUND AND OVERHEAD BEFORE EXCAVATION BEGINS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT DIGSAFE, NOTIFY ALL NON-MEMBER UTILITY COMPANIES AND ENSURE THAT ALL UTILITIES HAVE BEEN MARKED PRIOR TO COMMENCING WORK. ANY DAMAGE TO EXISTING UTILITIES MARKED IN THE FIELD, OR AS A RESULT OF FAILING TO CONTACT THE APPROPRIATE UTILITY COMPANY, SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- BEFORE STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAKING ALL NECESSARY ARRANGEMENTS AND FOR PERFORMING ANY NECESSARY WORK INVOLVED IN CONNECTION WITH THE DISCONTINUANCE OR JURISDICTION OF THE UTILITY COMPANIES, SUCH AS ELECTRICITY, TELEPHONE, WATER, GAS AND ANY SYSTEM OR SYSTEMS WHICH WILL BE AFFECTED BY THE WORK TO BE PERFORMED UNDER THIS CONTRACT.
- UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES.
- IF REQUIRED, OVERHEAD LINES SHALL BE RELOCATED BY THE UTILITY COMPANY AT THE CONTRACTOR'S EXPENSE.
- WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
- THE CONTRACTOR SHALL EXERCISE EXTREME CARE WHEN EXCAVATING NEAR AND BACKFILLING IN THE VICINITY OF EXISTING UTILITIES, INCLUDING THE USE OF HAND EXCAVATION WHERE APPROPRIATE.

#### DOCUMENT USE:

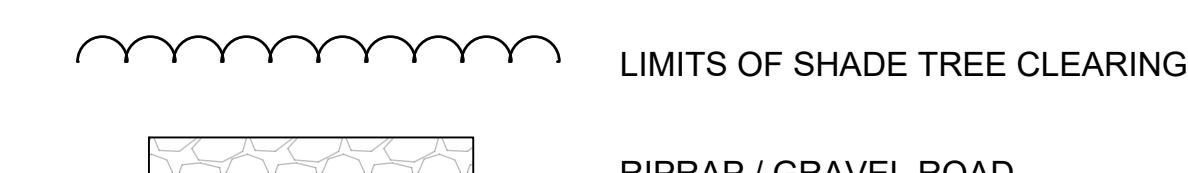
- THESE PLANS AND THE CORRESPONDING CAD DOCUMENTS ARE INSTRUMENTS OF PROFESSIONAL SERVICE PREPARED BY ESS GROUP, INC., AND SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN FOR WHICH IT WAS CREATED WITHOUT THE EXPRESSED WRITTEN CONSENT OF ESS GROUP, INC. ANY UNAUTHORIZED USE, REUSE, MODIFICATION, OR ALTERATION, INCLUDING AUTOMATED CONVERSION OF THIS DOCUMENT, SHALL BE AT THE USER'S SOLE RISK WITHOUT LIABILITY OR LEGAL EXPOSURE TO ESS GROUP, INC.
- CONTRACTOR SHALL NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, OR DATA FILES THAT ARE OBTAINED FROM THE DESIGNERS OR OWNER, BUT SHALL VERIFY LOCATIONS OF PROJECT FEATURES IN ACCORDANCE WITH THE PAPER COPIES OF THE PLANS AND SPECIFICATIONS THAT ARE SUPPLIED AS PART OF THE CONTRACT DOCUMENTS.
- SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS, AND ARE NOT NECESSARILY SCALED TO THEIR ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS. THE CONTRACTOR SHALL REFER TO THE DETAIL SHEET DIMENSIONS, MANUFACTURER'S LITERATURE, SHOP DRAWINGS, AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.

#### GENERAL GROUND-MOUNTED SOLAR PHOTOVOLTAIC SYSTEM (SPS) NOTES:

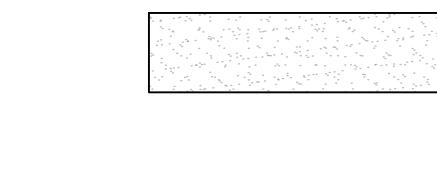
- THE CONSTRUCTION OF ALL PROPOSED SPS EQUIPMENT SHALL BE CONSISTENT WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- UTILITY CONNECTIONS FOR THE SPS SYSTEM SHALL BE INSTALLED UNDERGROUND ON THE SUBJECT PROPERTY. ALL ELECTRICAL COMPONENTS OF THE SOLAR PHOTOVOLTAIC SYSTEM SHALL CONFORM TO ALL RELEVANT AND APPLICABLE LOCAL, STATE AND NATIONAL CODES, LAWS AND REGULATIONS.
- THE SPS SHALL BE DESIGNED AND OPERATED TO ELIMINATE SOLAR REFLECTION FROM THE GROUND LEVEL UP TO 35 FEET UPON ALL NEIGHBORING PROPERTIES.

## PROPOSED LEGEND

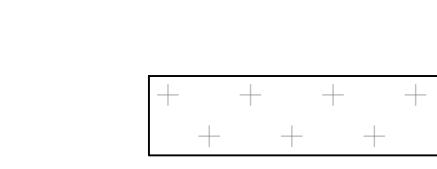
OHW	OHW	OVERHEAD WIRES
UGE	UGE	UNDERGROUND ELECTRIC
*	*	CHAIN LINK FENCE
LOD	LOD	LIMITS OF DISTURBANCE
SLOD	SLOD	COMBINED LIMIT OF DISTURBANCE/ 12" FILTER SOCK
SF		FILTER SOCK & SILT FENCE
FS		FILTER SOCK



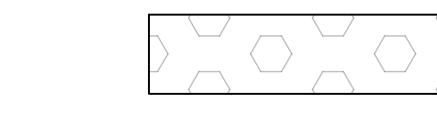
RIPRAP / GRAVEL ROAD



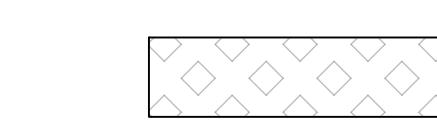
SANDFILTER



FOREBAY



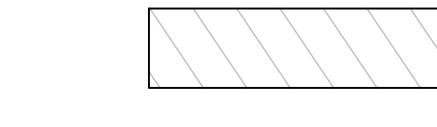
ERNST NORTHEAST SOLAR POLLINATOR 3-Ft SEED MIX (ERNMX-612) OR APPROVED EQUAL



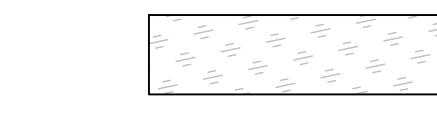
SHADE TREE CLEARING LIMITS. SEED DISTURBED GROUND WITH NEW ENGLAND WETLAND PLANTS, INC. (NEWP) EROSION CONTROL / RESTORATION MIX FOR DRY SITES OR EQUAL



NEW ENGLAND WETLAND PLANTS, INC. (NEWP) RESTORATION MIX FOR DETENTION BASINS OR APPROVED EQUAL



MAINTAIN EXISTING VEGETATION



LANDSCAPE SCREEN



UTILITY POLE (CUSTOMER OWNED)



UTILITY POLE (UTILITY OWNED)



APPROX. TEST PIT LOCATION

## PERMITTING PLANS NOTES

FOR PERMITTING ONLY

DRAWING NO:  
N-2

PROJECT NO: P322-001  
DATE OF ISSUE: 1/7/2022  
SHEET NO: 3 OF 18



DATE: Jul 21, 2023 – 12:37PM  
FILENAME: C:\Users\mobrien\AppData\Local\Temp\AcPublish\_6212\P322-001 Pomham Solar Permitting 200FT Radius Map.dwg

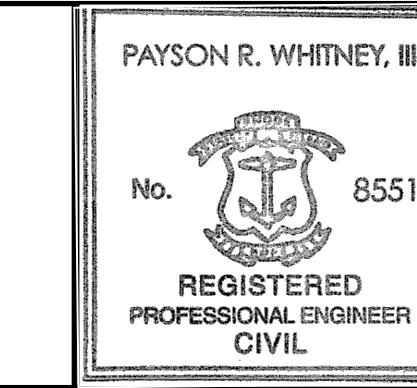


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**ISLANDER SOLAR, LLC**  
**396 SPRINGFIELD AVENUE, 2ND FLOOR**  
**SUMMIT, NJ 07901**

**POMHAM SOLAR  
AP 16 LOTS 18 & 19  
OFF IRON MINE HILL ROAD  
NORTH SMITHFIELD, RI 02899**



A scale bar diagram for a map. It features a horizontal line with a length of 120'. The line is divided into four segments: the first and third segments are black, and the second and fourth segments are white. The segments are separated by thin white lines. At the far left, there is a small vertical tick mark with the number '0' above it. At the far right, there is a small vertical tick mark with the number '240'' above it. Below the horizontal line, the text 'SCALE: 1" = 120'' is centered.

## PERMITTING PLANS 200-FT RADIUS MAP

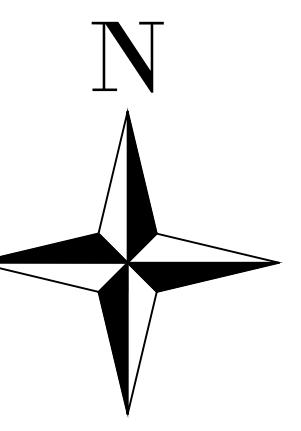
# **FOR PERMITTING ONLY**

DRAWING NO:  
**R-1**

PROJECT NO: P322-001  
DATE OF ISSUE: 1/7/2022  
SHEET NO: 5 OF 18

NOTES:

1. FINAL LOCATION OF ALL ELECTRICAL EQUIPMENT, WIRES, POLES, INVERTERS, ETC. TO BE DETERMINED BY OTHERS AND APPROVED BY OWNER. ALL ELECTRICAL CONNECTION AND DISTRIBUTION WITHIN THE ARRAY SHALL BE UNDERGROUND. ALL UNDERGROUND ELECTRICAL NOT SHOWN ON THIS PLAN SET.
2. FINAL NUMBER AND LOCATION OF SOLAR MODULES TO BE DESIGNED BY OTHERS. PRIOR TO INSTALLATION. FINAL NUMBER AND LOCATION MAY VARY AS NEEDED WITHIN PROPOSED FENCE LINE. MAX PANEL HEIGHT SHALL NOT EXCEED 15 FEET.
3. SIGNAGE INDICATING MANUFACTURER'S IDENTIFICATION, INSTALLER'S IDENTIFICATION, EQUIPMENT INFORMATION, INDICATION OF OWNERSHIP, AND APPROPRIATE WARNING STATEMENTS SHALL BE POSTED ON OR NEAR THE SOLAR MODULES IN A CLEAR VISIBLE MANNER AND SHALL COMPLY WITH PREVAILING REGULATIONS.
4. WARNING/DANGER SIGNAGE TO BE INSTALLED AT 300 FT INTERVALS ON PERIMETER FENCE AND NO TRESPASSING SIGN TO BE INSTALLED AT 100 FT INTERVALS, WITH A MINIMUM OF ONE (1) SIGN EACH FENCE SIDE AROUND THE FULL INSTALLATION PERIMETER.
5. POST SIGNAGE WITH 24-HOUR EMERGENCY CONTACT INFORMATION ON THE VEHICLE GATE.
6. EXTERIOR LIGHTING IS NOT PROPOSED.



— — — —

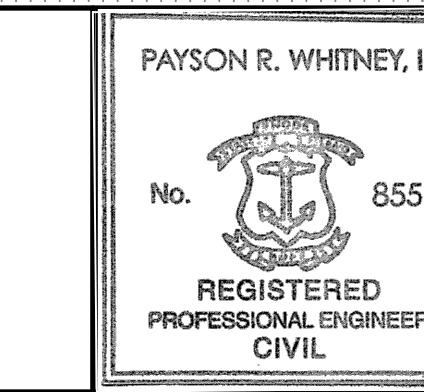
**MATCH LINE DRAWING NO. C-2**

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FILENAME: C:\Users\mobrien\AppData\Local\Temp\AcPublish\_6212\P322-001 Pomham Solar Permitting Layout and Materials.dwg

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**ISLANDER SOLAR, LLC  
396 SPRINGFIELD AVENUE, 2ND FLOOR  
SUMMIT, NJ 07901**

**POMHAM SOLAR  
AP 16 LOTS 18 & 19  
OFF IRON MINE HILL ROAD  
NORTH SMITHFIELD, RI 02890**



# **PERMITTING PLANS LAYOUT AND MATERIALS PLAN OR PERMITTING ONLY**

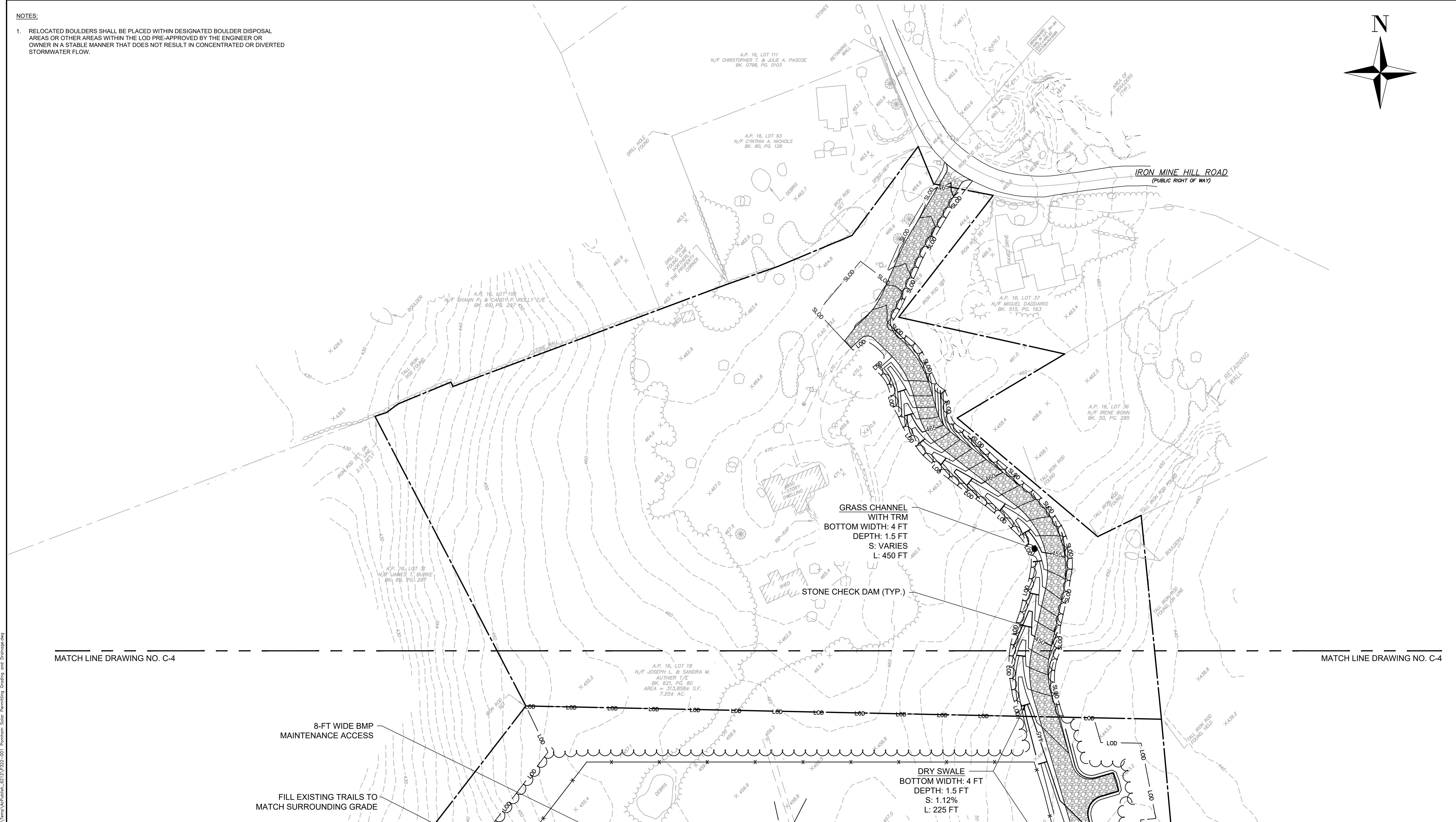
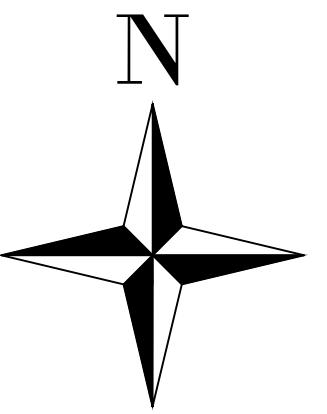
DRAWING NO:  
**C-1**

PROJECT NO: P322-001  
DATE OF ISSUE: 1/7/2022  
SHEET NO: 6 OF 18



## NOTES

1. RELOCATED BOULDERS SHALL BE PLACED WITHIN DESIGNATED BOULDER DISPOSAL AREAS OR OTHER AREAS WITHIN THE LOD PRE-APPROVED BY THE ENGINEER OR OWNER IN A STABLE MANNER THAT DOES NOT RESULT IN CONCENTRATED OR DIVERTED STORMWATER FLOW.

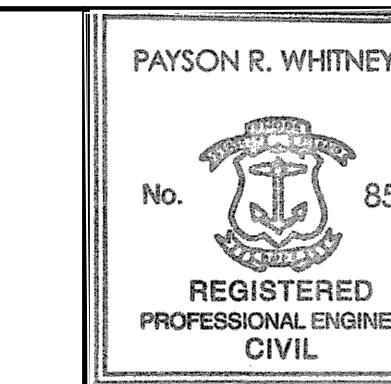


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SUMMIT, NJ 07901**

**POMHAM SOLAR  
AP 16 LOTS 18 & 19  
OFF IRON MINE HILL ROA  
NORTH SMITHFIELD, RI 02893**



0 50'

SCALE: 1" = 50'

# **PERMITTING PLANS GRADING AND DRAINAGE PLAN**

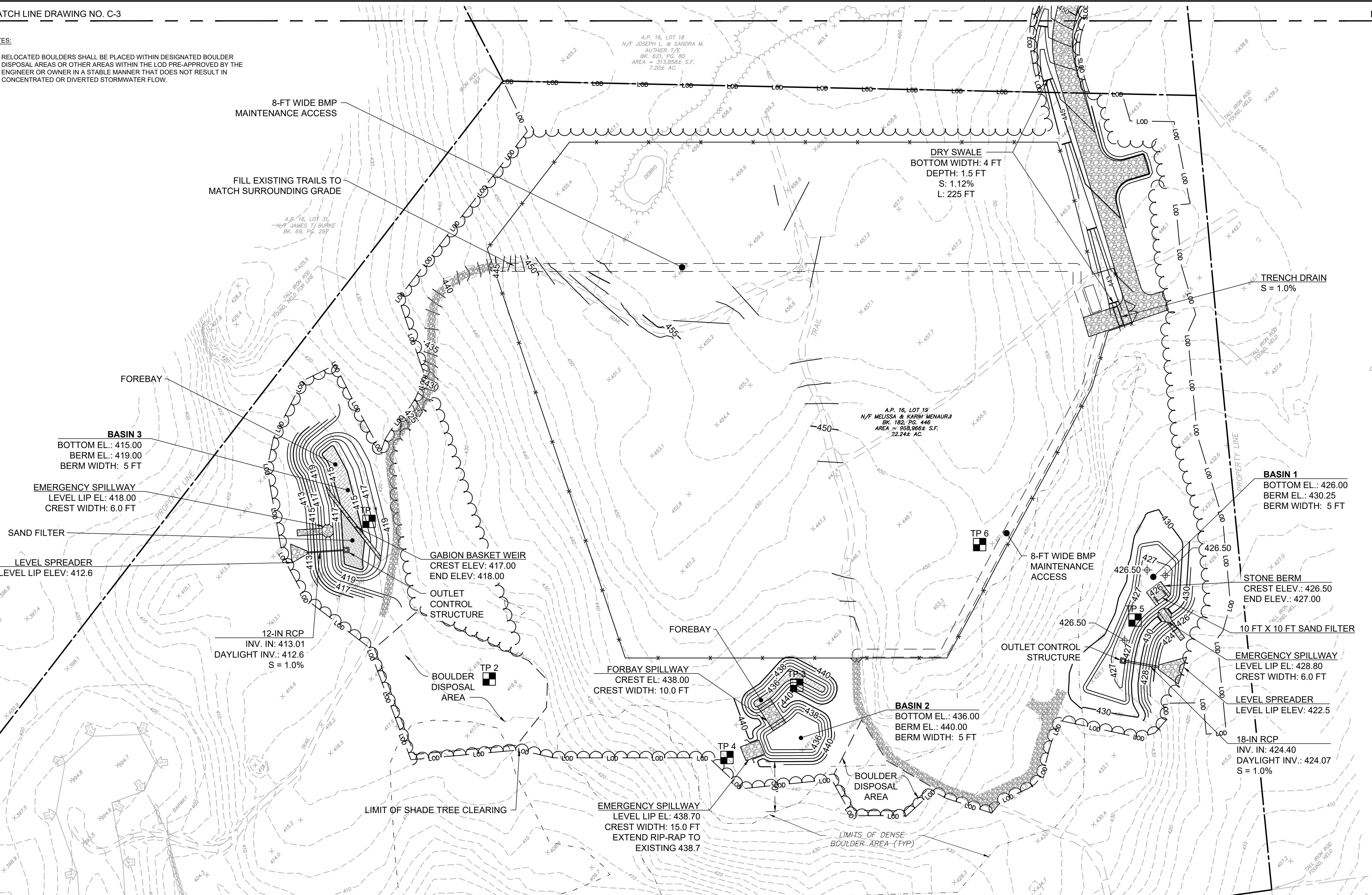
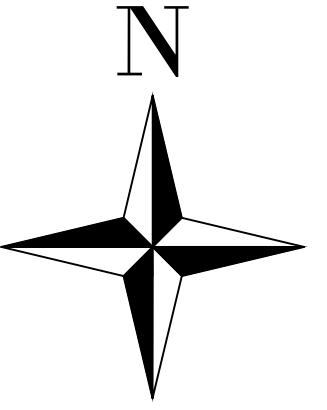
## ***FOR PERMITTING ONLY***

DRAWING NO:  
**C-3**

PROJECT NO: P322-001  
DATE OF ISSUE: 1/7/2022  
SHEET NO: 8 OF 18

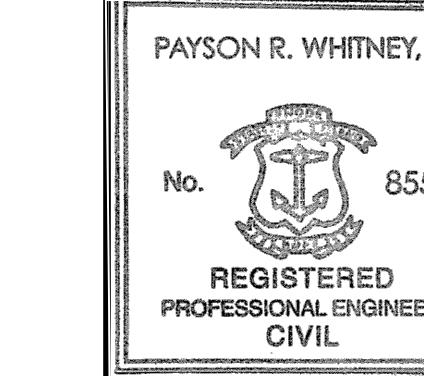
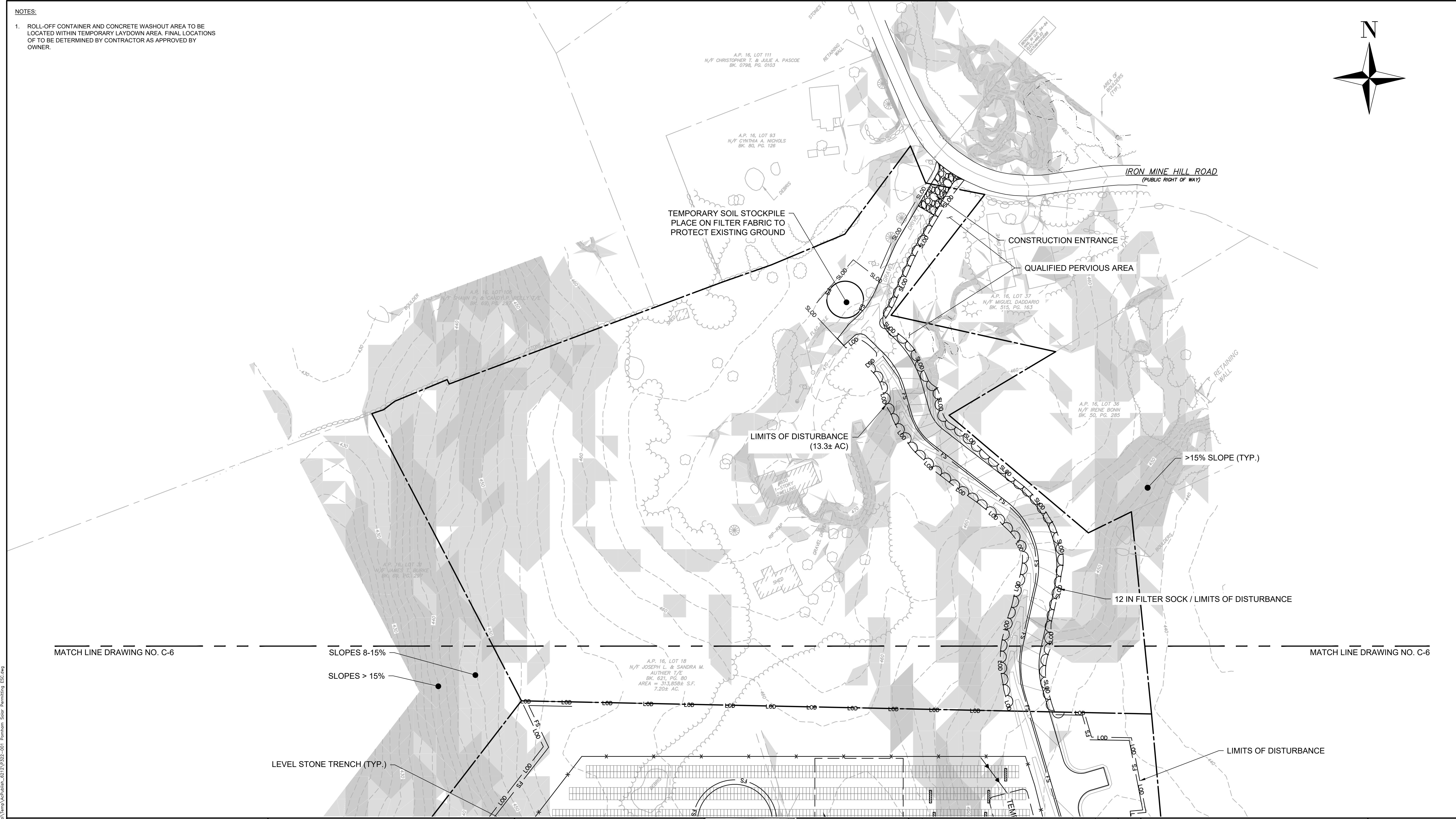
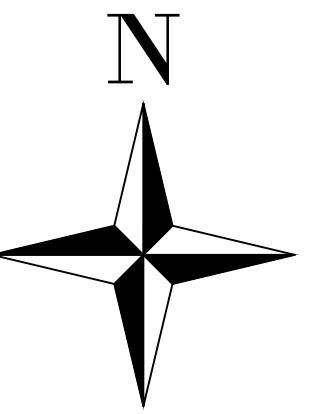
## NOTES:

- RELOCATED BOULDERS SHALL BE PLACED WITHIN DESIGNATED BOULDER DISPOSAL AREAS OR OTHER AREAS WITHIN THE LOD PRE-APPROVED BY THE ENGINEER OR OWNER IN A STABLE MANNER THAT DOES NOT RESULT IN CONCENTRATED OR DIVERTED STORMWATER FLOW.



## NOTES:

1. ROLL-OFF CONTAINER AND CONCRETE WASHOUT AREA TO BE LOCATED WITHIN TEMPORARY LAYDOWN AREA. FINAL LOCATIONS OF TO BE DETERMINED BY CONTRACTOR AS APPROVED BY OWNER.



0 50' 100'

SCALE: 1" = 50'

51

ER

1 TOWN PRELIMINA

No. REVISION

DRAWN BY: GJR DE

# **PERMITTING PLANS**

## **EROSION AND SEDIMENT CONTROL PLAN**

## **FOR PERMITTING ONLY**

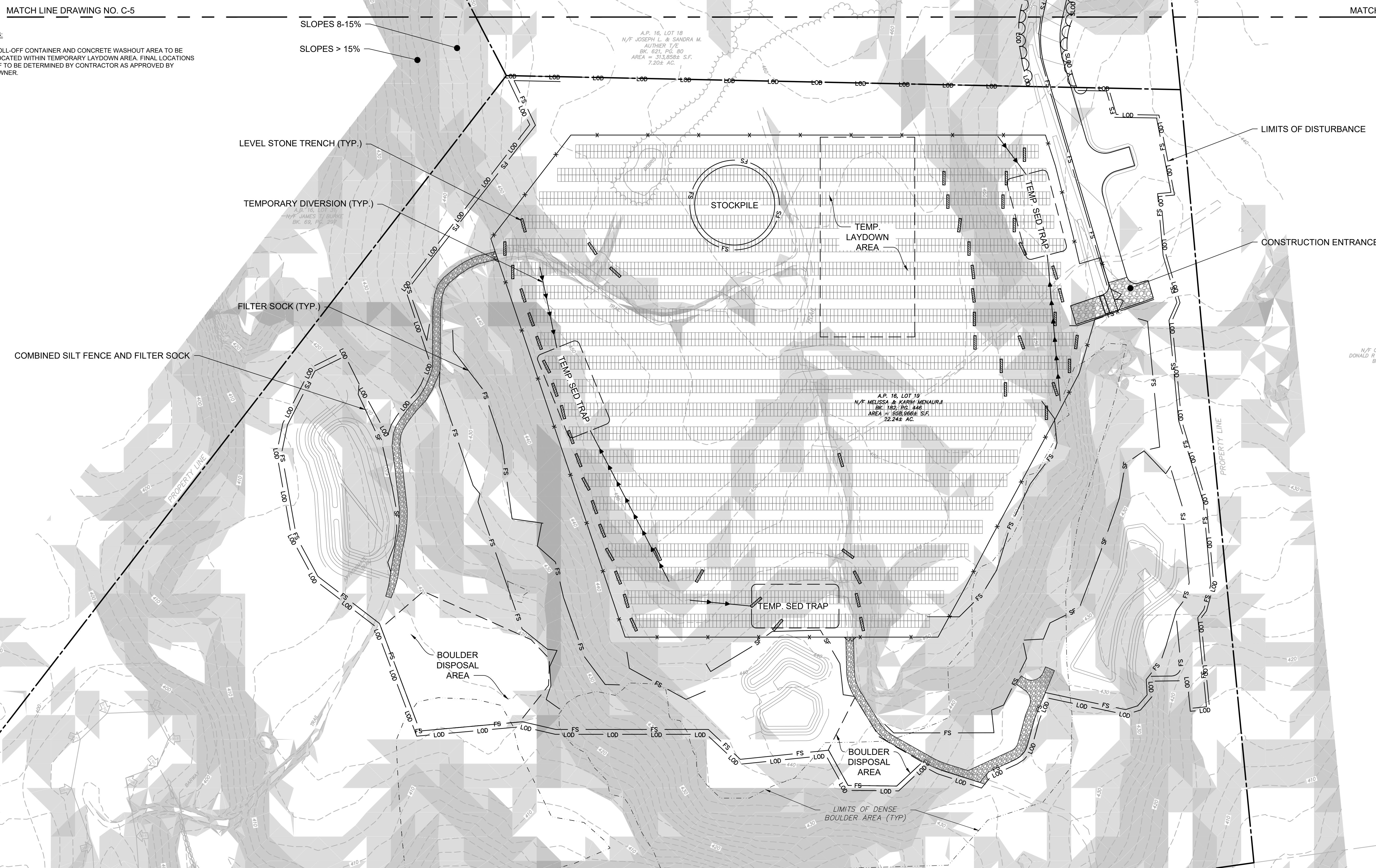
DRAWING NO:

MATCH LINE DRAWING NO. C-5

MATCH LINE DRAWING NO. C-5

NOTES:

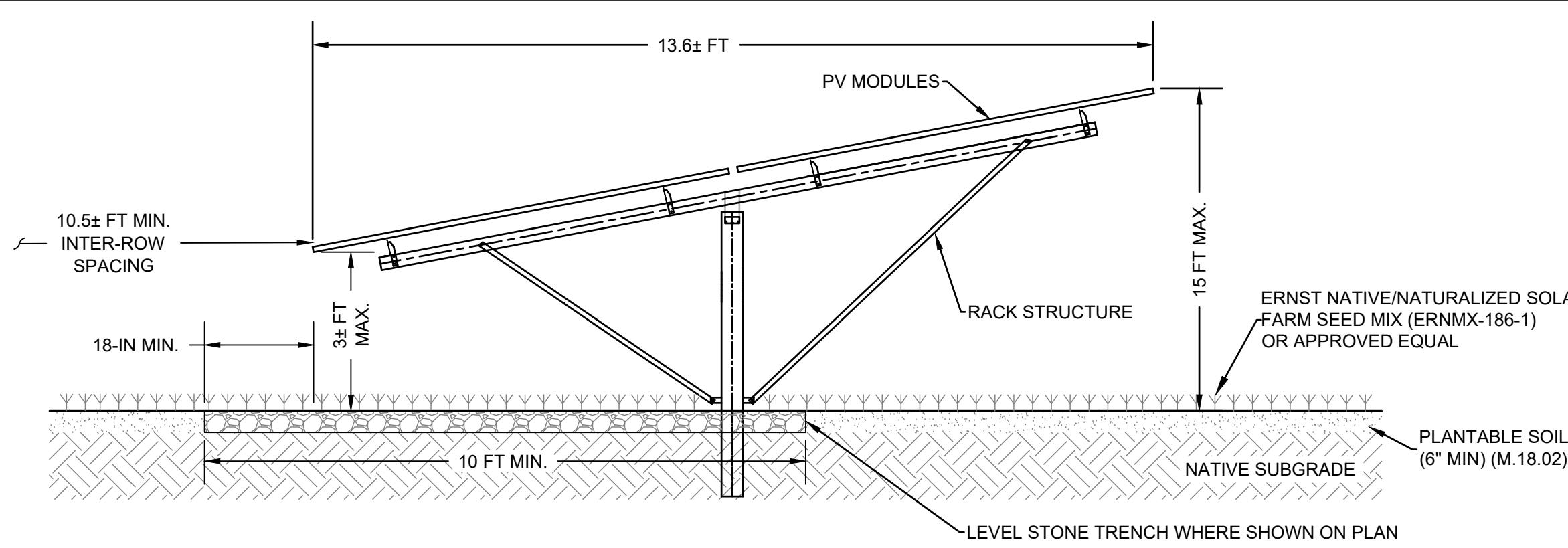
1. ROLL-OFF CONTAINER AND CONCRETE WASHOUT AREA TO BE LOCATED WITHIN TEMPORARY LAYDOWN AREA. FINAL LOCATIONS OF TO BE DETERMINED BY CONTRACTOR AS APPROVED BY OWNER.



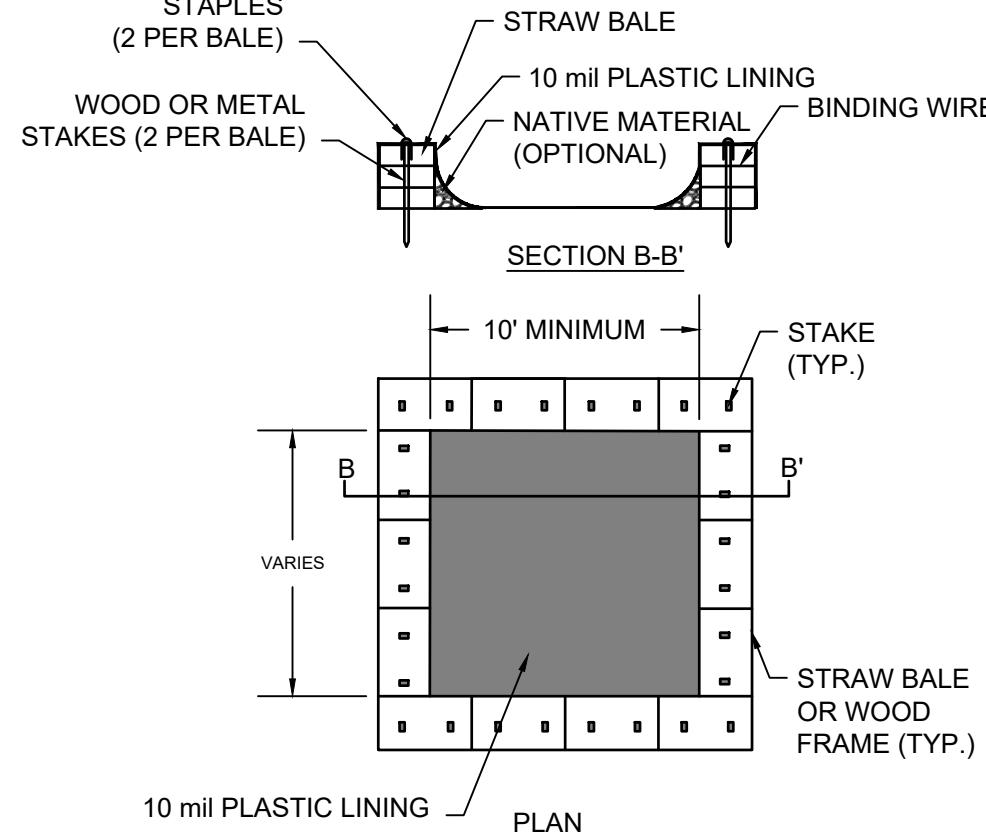
A.P. 16, LOT 18  
N/F CROTEAU FAMILY TRUST  
DONALD R & ZMEJDANA M. TRUSTEES  
BK. 0794, PG. 0076

DATE: Jul 21, 2023 - 12:23:20 PM  
FILE NAME: C:\Users\ESS\OneDrive\ESS\Projects\2022-001\Permit Solar\Permitting ESC.dwg  
Version: 1  
Acquisition Date: 2023-07-21 12:23:20 PM

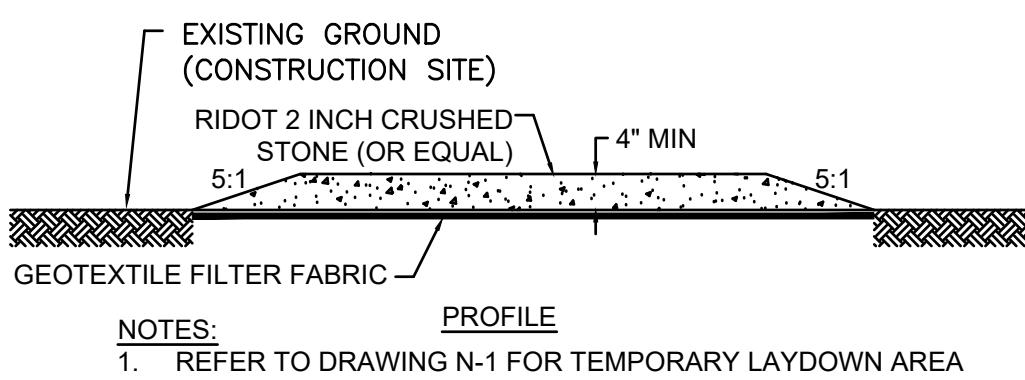




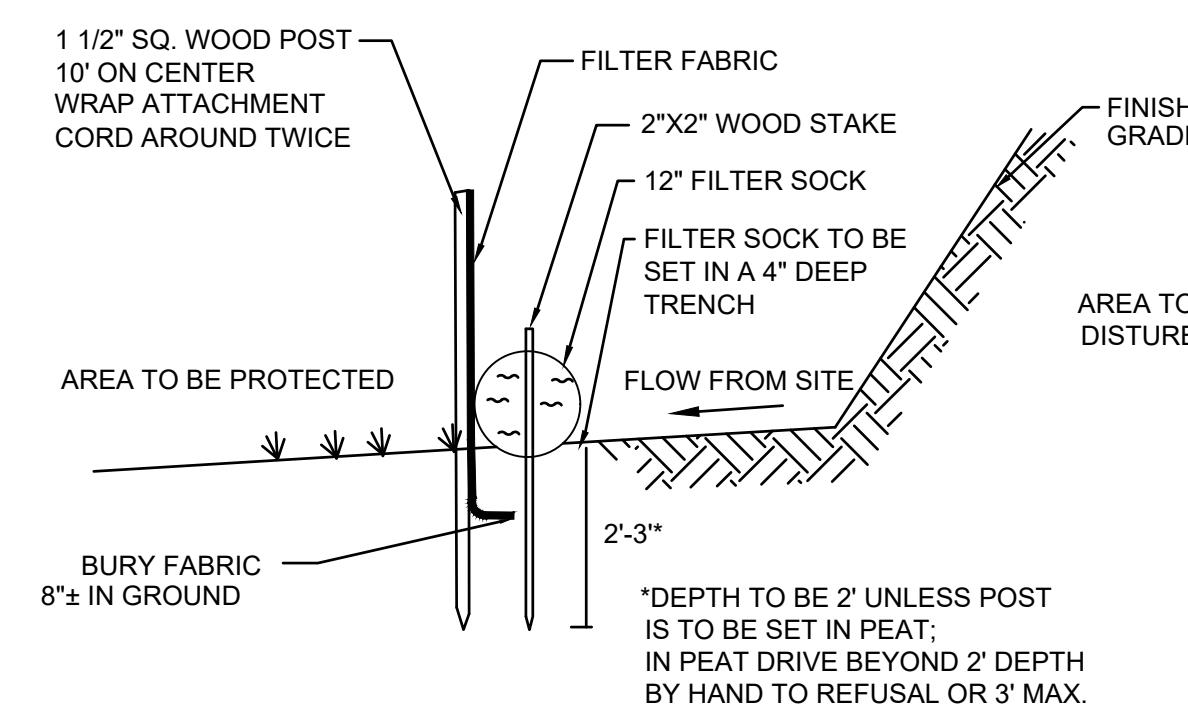
**1**  
12  
TYPICAL SOLAR PANEL AND RACK  
SCALE: NTS



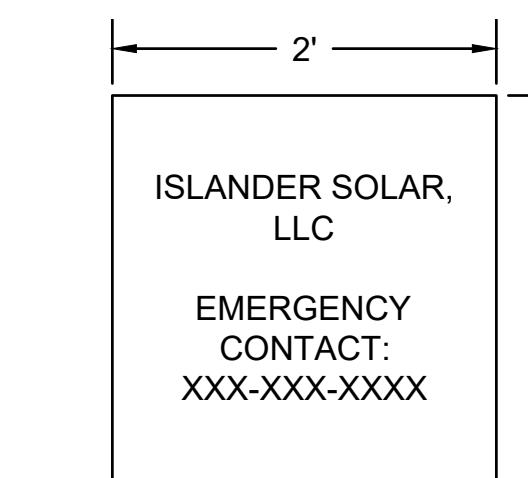
**4**  
12  
TYPICAL CONCRETE WASHOUT  
SCALE: NTS



**6**  
12  
TYPICAL LAYDOWN AREA  
SCALE: NTS



**2**  
12  
TYPICAL COMBINED SILT FENCE & FILTER SOCK  
SCALE: NTS



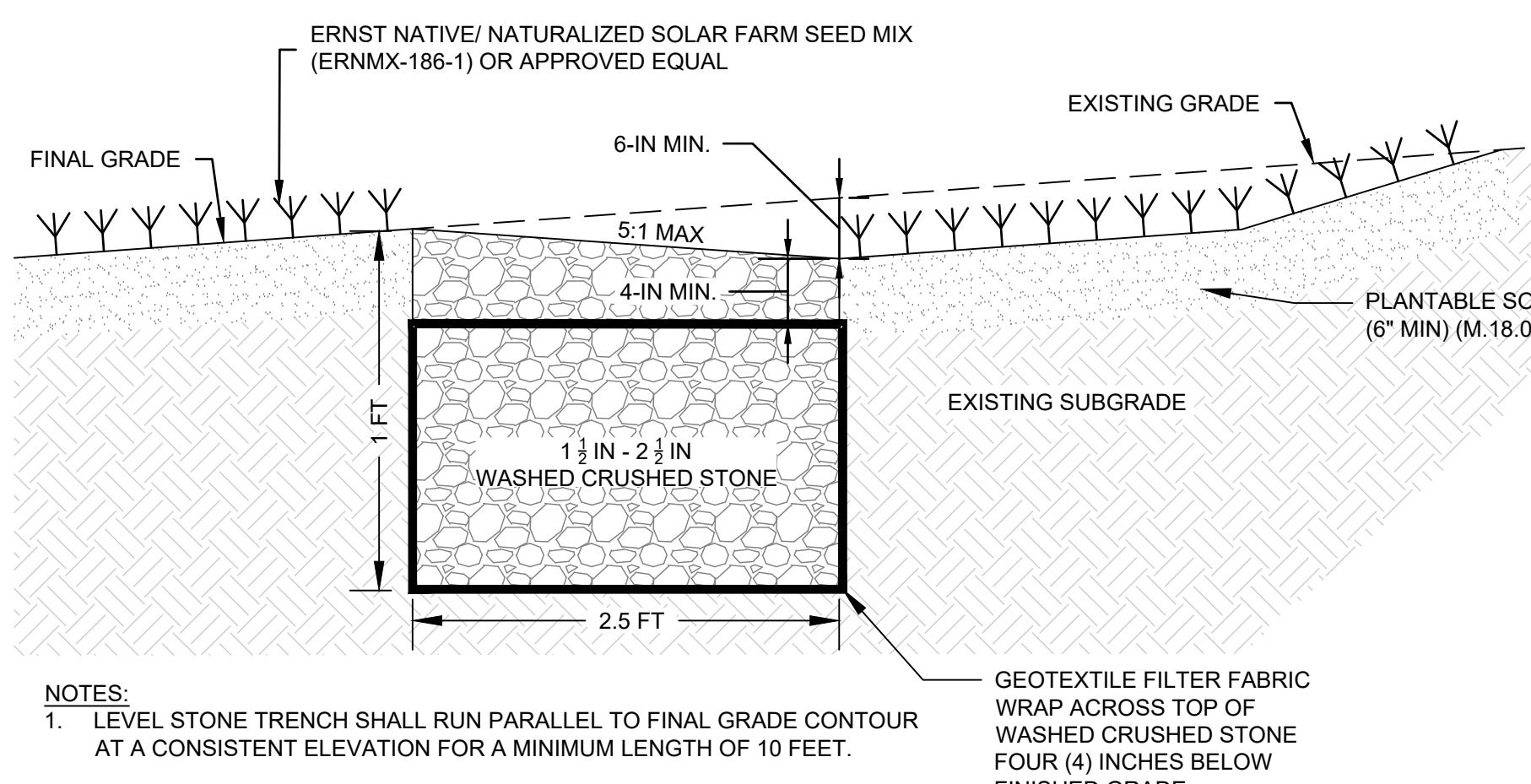
**ANCHORING DETAIL**

**CONSTRUCTION SPECIFICATIONS**

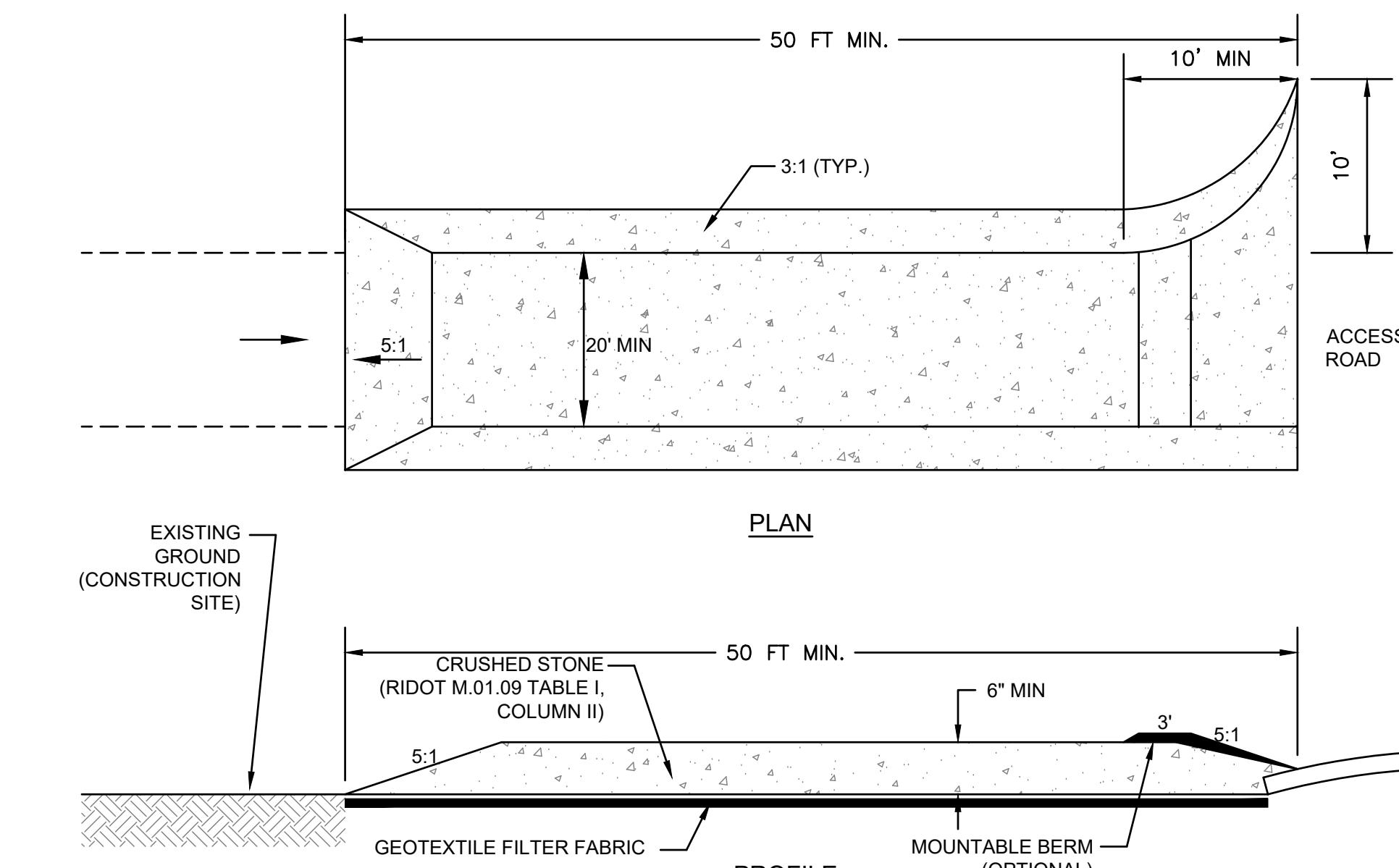
1. FILTER SOCKS SHALL BE FILTREXX SILT SOCKS OR APPROVED EQUIVALENT. FILTER SOCK AND COMPOST MATERIALS SHALL BE IN ACCORDANCE WITH ASHTO MP 9-06, LATEST REVISION.
2. FILTER SOCKS SHALL BE 12 INCHES IN DIAMETER.
3. FILTER SOCKS SHALL BE PLACED IN ACCORDANCE WITH THIS PLAN SET AND IN A ROW WITH ENDS OVERLAPPING 2 FEET (MIN.).
4. FILTER SOCKS SHALL BE SECURELY ANCHORED IN PLACE BY WOOD STAKES, 10 FEET ON CENTER (MAX).
5. INSPECTION SHALL BE FREQUENT AND REPAIR AND/OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. FILTER SOCKS SHALL NOT BE MOVED TO OTHER LOCATIONS IN THE PROJECT ONCE PLACED.

**3**  
12  
TYPICAL FILTER SOCK  
SCALE: NTS

**5**  
12  
TYPICAL SIGN DETAILS  
SCALE: NTS



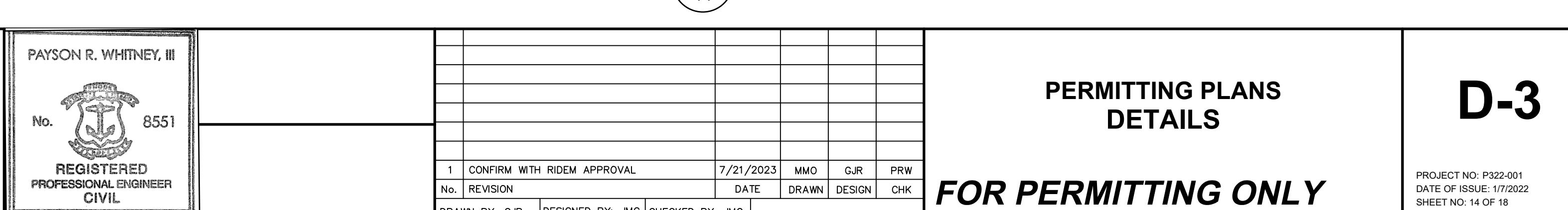
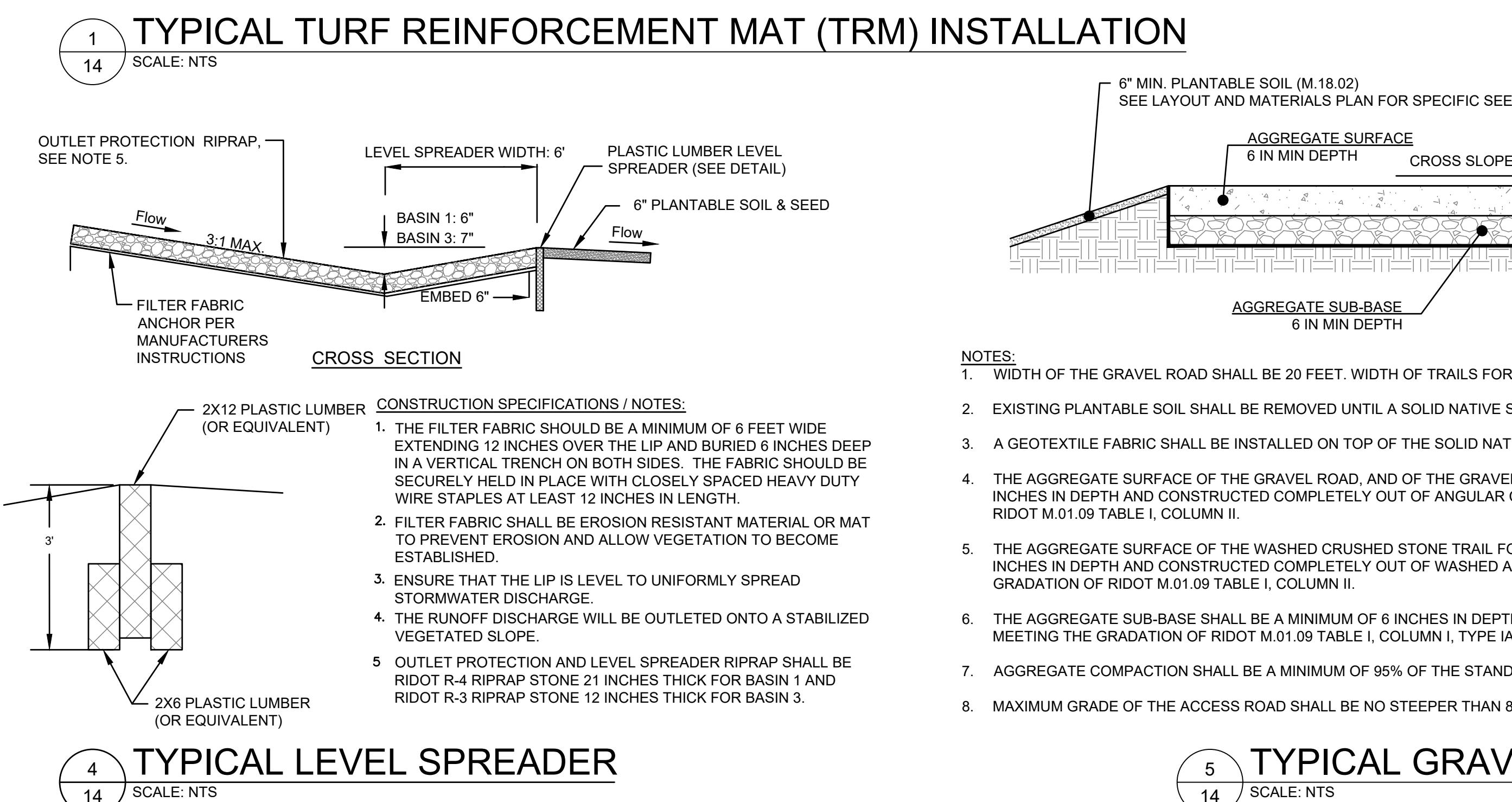
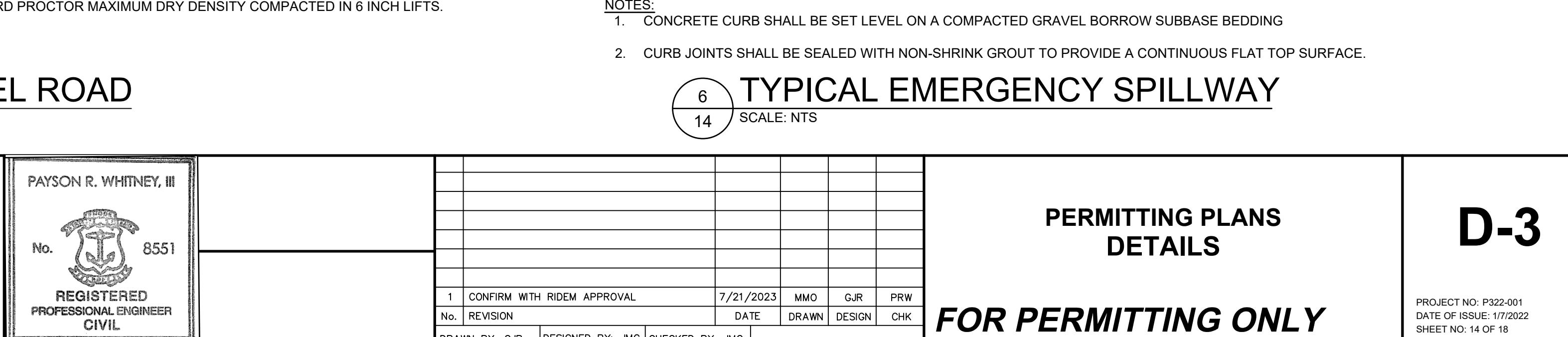
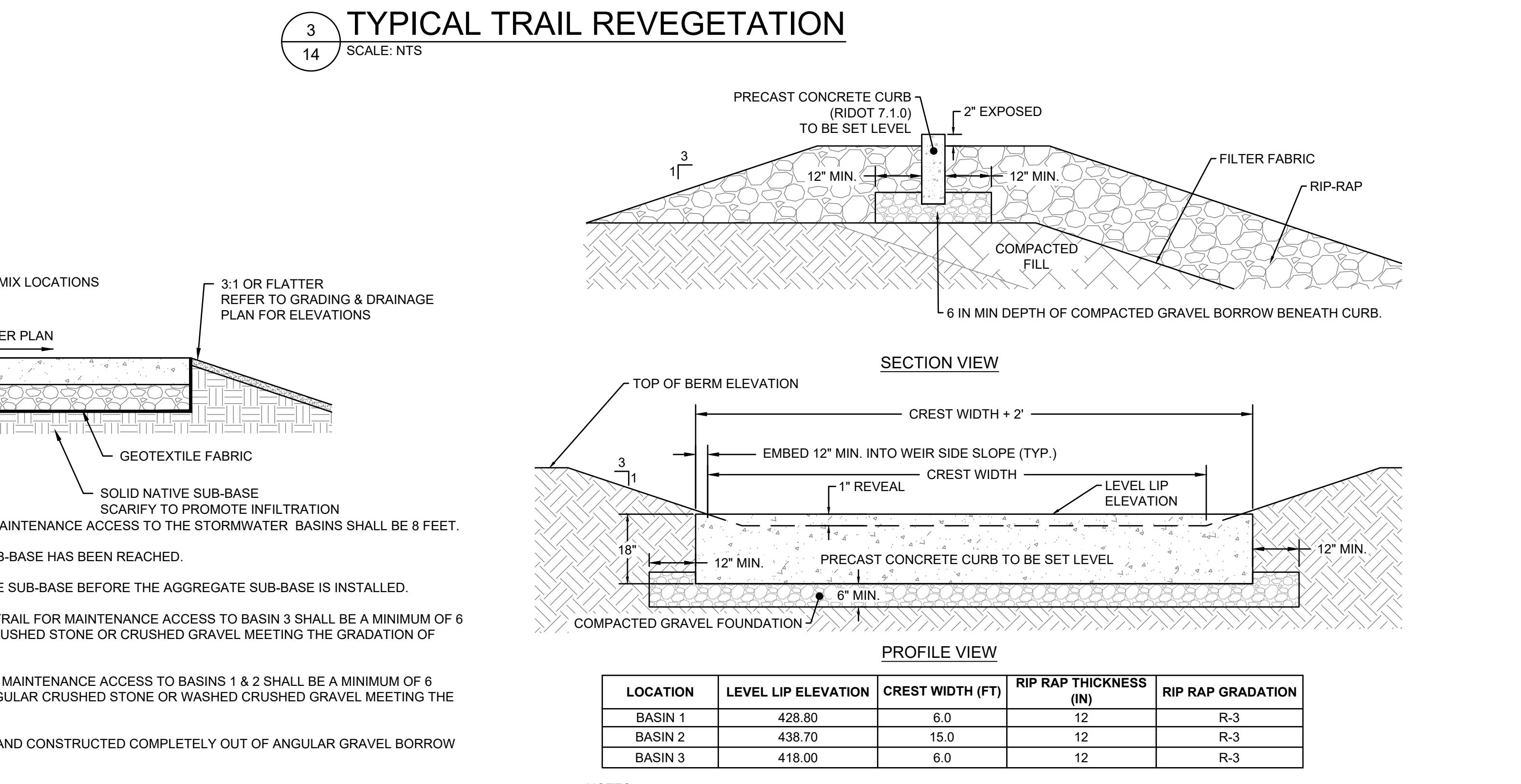
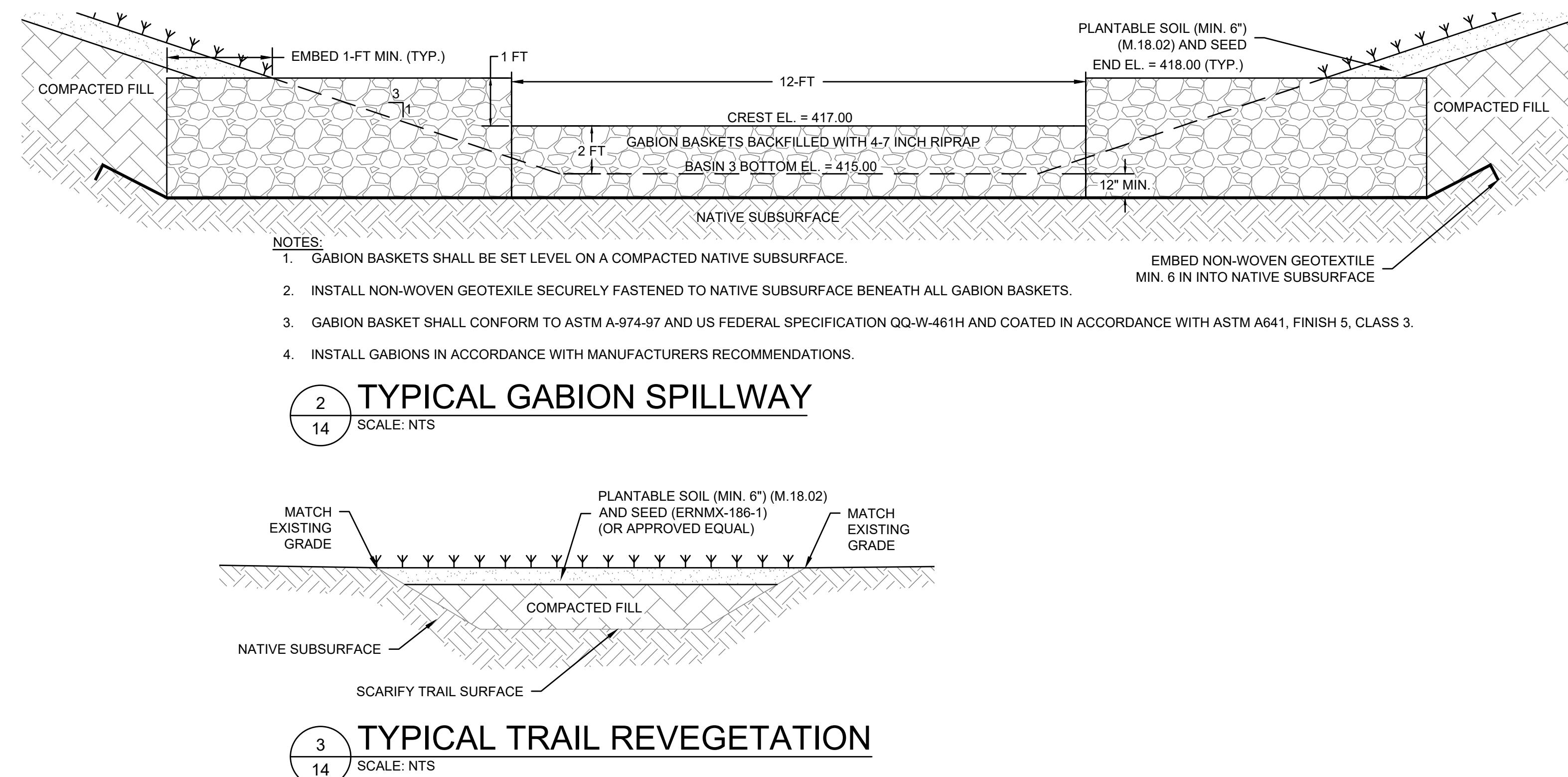
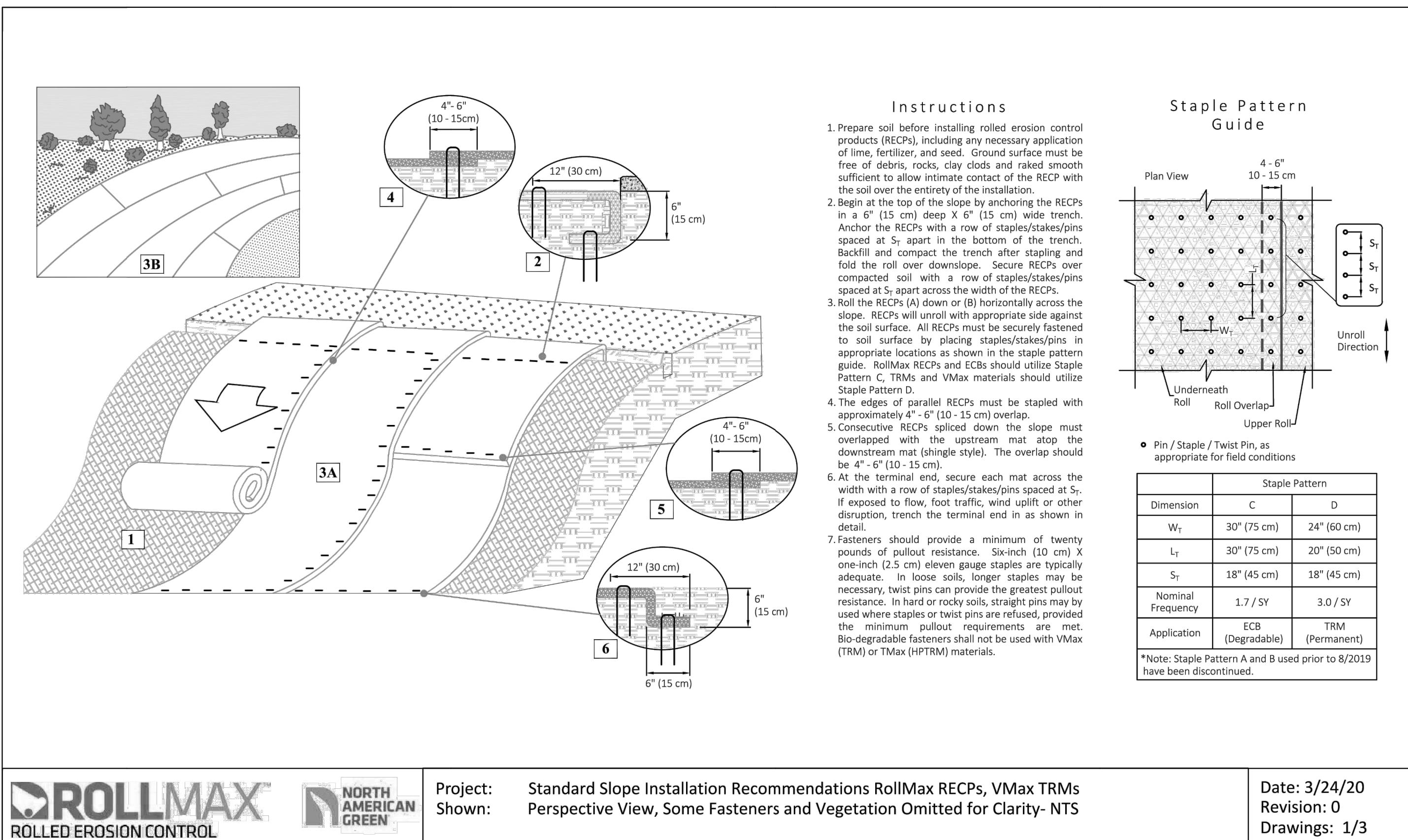
**7**  
12  
TYPICAL LEVEL STONE TRENCH  
SCALE: NTS

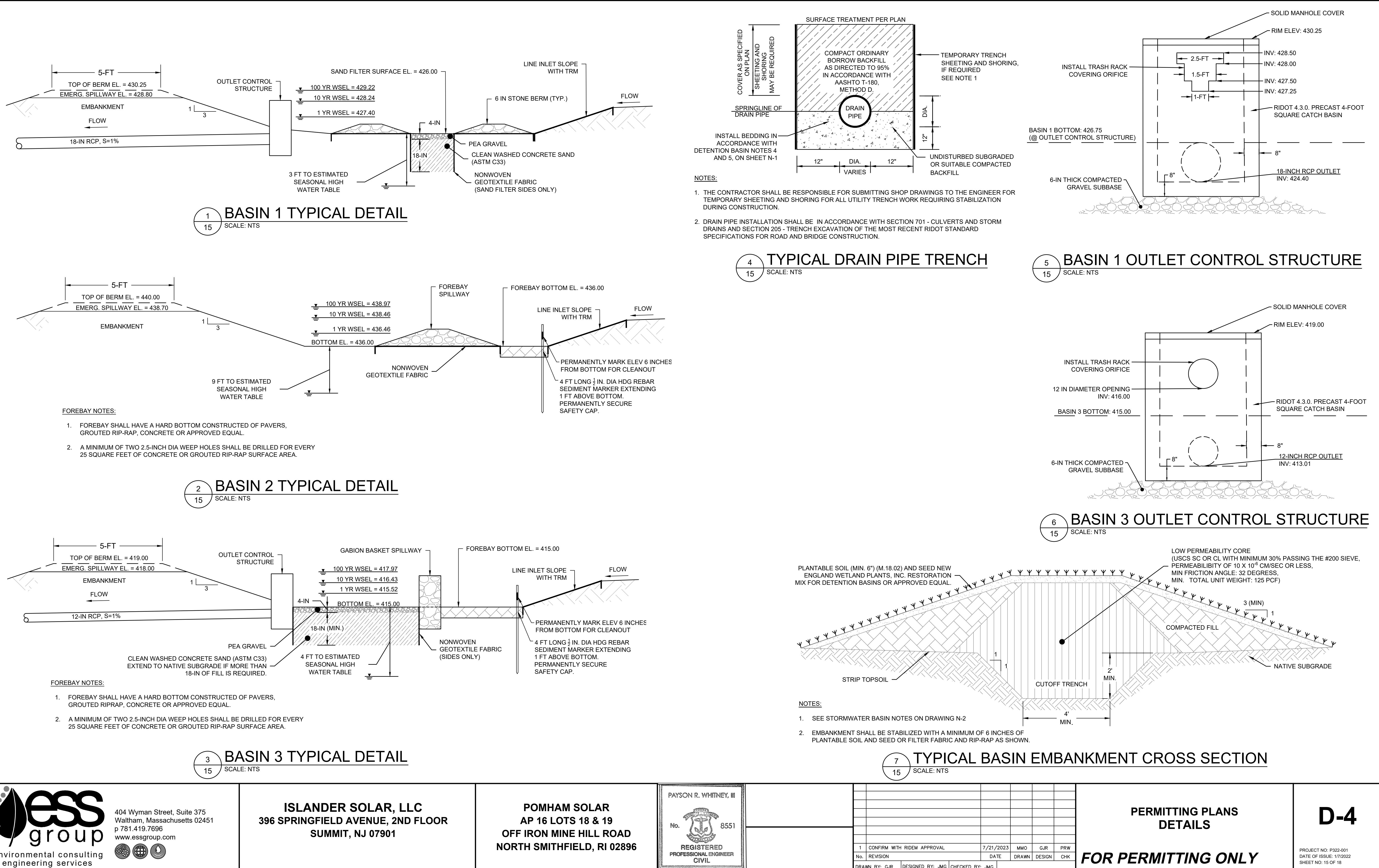


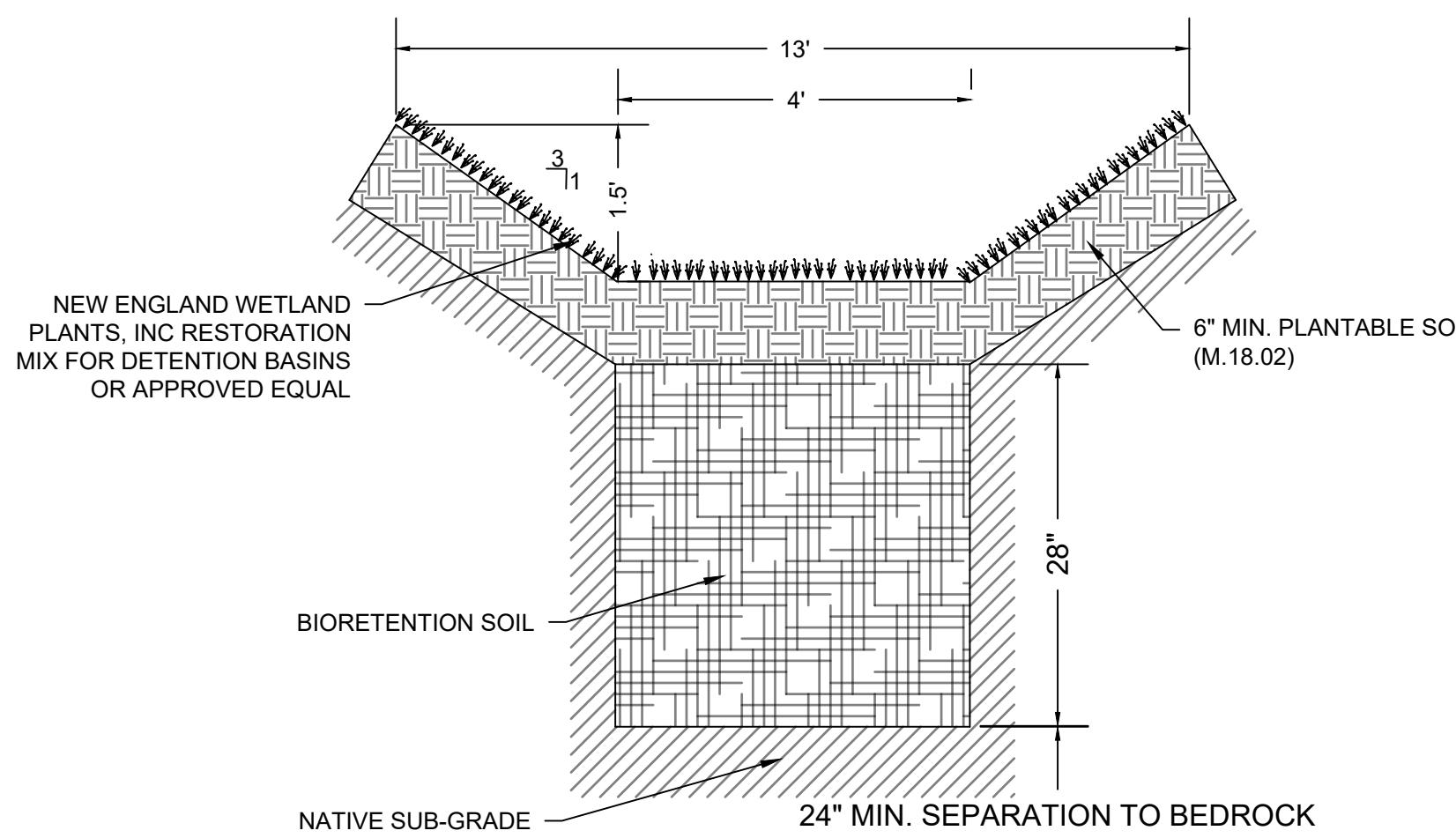
**8**  
12  
TYPICAL CONSTRUCTION ENTRANCE  
SCALE: NTS







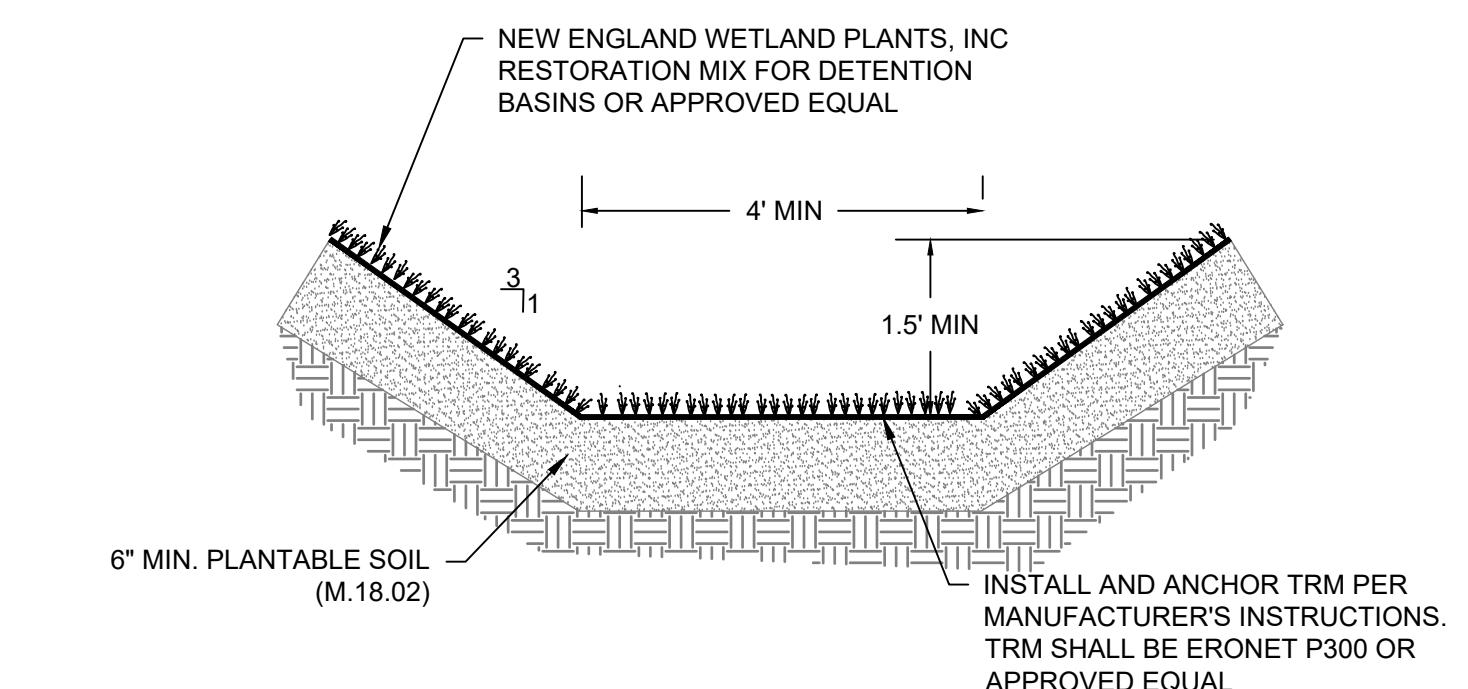




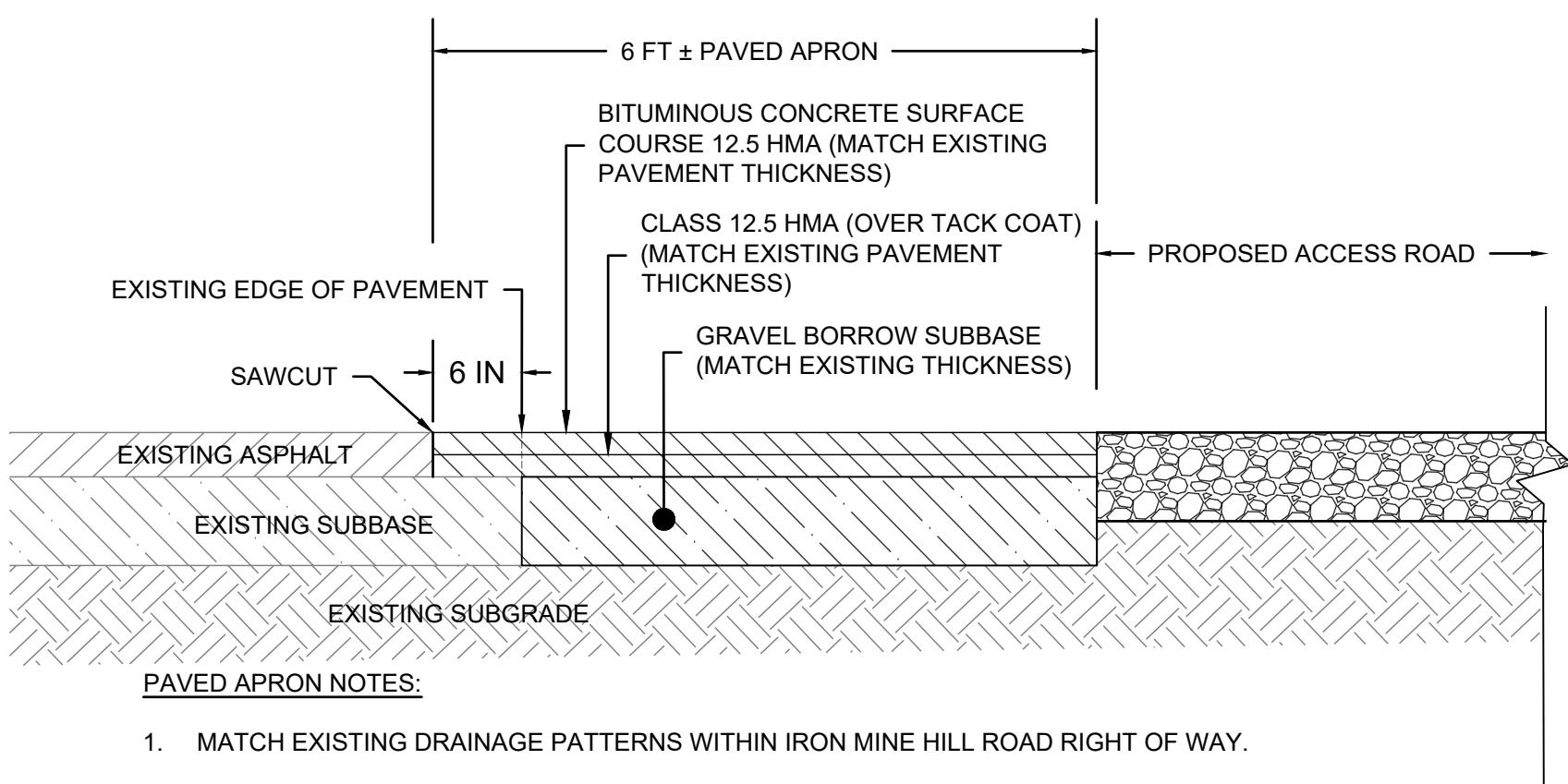
NOTES:

1. BIORETENTION SOIL MIX SHALL HAVE A LOAMY SAND TEXTURE PER USDA TEXTURAL TRIANGLE WITH A MAXIMUM CLAY CONTENT OF LESS THAN 2%. SOIL MIXTURE SHALL BE 85-88% SAND, 8-12% SOIL FINES (NO MORE THAN 2% CLAY), AND 3-5% ORGANIC MATTER.
2. ADD 20% (BY VOLUME) OF WELL AGED (6-12 MONTHS), WELL AERATED, LEAF COMPOST (OR APPROVED EQUIVALENT) TO THE ABOVE PLANTING SOIL MIXTURE. WHERE SOIL CONTENT IS LESS THAN 12% ADD A CORRESPONDING % OF LEAF COMPOST.
3. THE BIORETENTION SOIL SOIL SHALL BE UNIFORM MIX, FREE OF STONES, STUMPS, ROOTS, OR OTHER SIMILAR OBJECTS LARGER THAN TWO INCHES. SOIL SHALL BE FREE OF BERMUDA GRASS, QUACKGRASS, JOHNSON GRASS, MUGWORT, NUTSEDGE, POISON IVY, CANADIAN THISTLE, TEARHUB, OR OTHER NOXIOUS WEEDS.
4. PRIOR TO INSTALLATION, BIORETENTION SOIL SOIL SHALL BE TESTED AND CONFORM TO THE FOLLOWING CRITERIA.
  - 4.1. PH RANGE: 5.7 - 7.0
  - 4.2. MAGNESIUM: NOT TO EXCEED 32 PPM
  - 4.3. PHOSPHORUS P205: NOT TO EXCEED 69 PPM
  - 4.4. POTASSIUM K20: NOT TO EXCEED 78 PPM
  - 4.5. SOLUBLE SALTS: NOT TO EXCEED 500 PPM

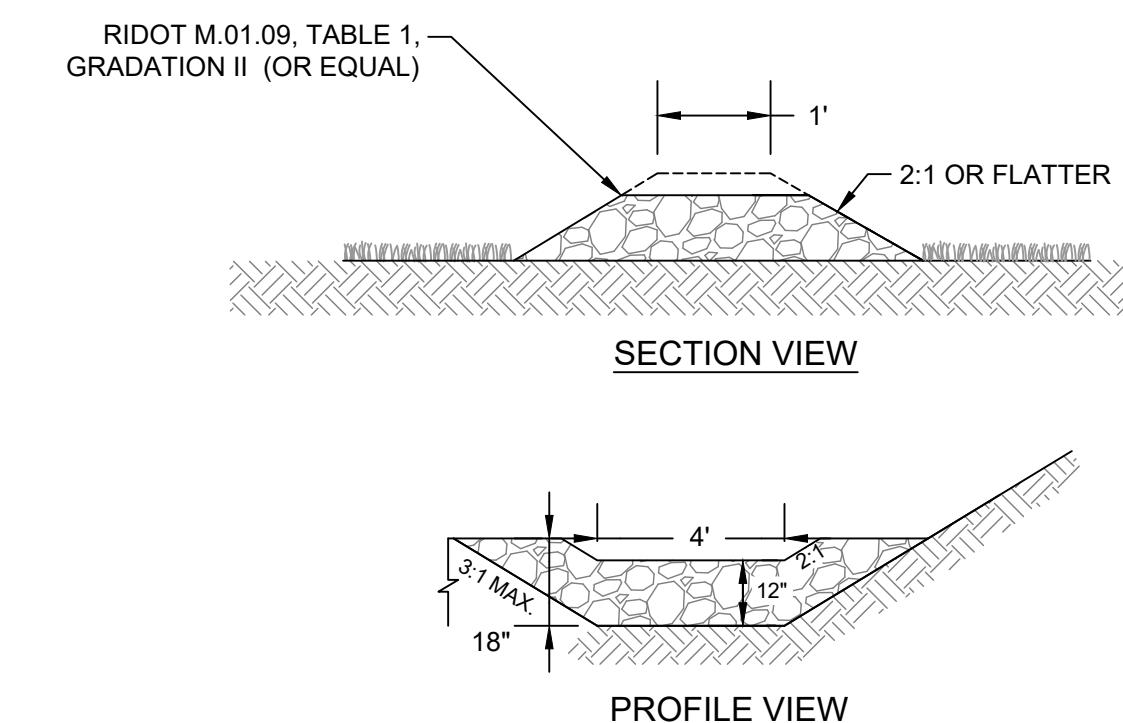
**1 TYPICAL DRY SWALE**  
16 SCALE: NTS



**2 TYPICAL GRASS CHANNEL**  
16 SCALE: NTS



**3 TYPICAL PAVED APRON**  
16 SCALE: NTS



**4 TYPICAL STONE CHECK DAM**  
16 SCALE: NTS

## GENERAL LANDSCAPE AND SEEDING NOTES

1. THE LANDSCAPE PLAN AND DETAILS ARE FOR LANDSCAPING INFORMATION ONLY. PLEASE REFER TO THE SITE LAYOUT PLAN, GRADING PLAN AND/OR UTILITIES PLAN FOR ALL OTHER INFORMATION.
2. THE CONTRACTOR SHALL MONITOR AND GUARANTEE THAT ALL PLANTS, TREES, AND SHRUBS SHALL BE HEALTHY AND FREE OF DISEASE FOR A PERIOD OF (1) ONE YEAR AFTER SUBSTANTIAL COMPLETION AND ACCEPTANCE BY THE OWNER. CONTRACTOR SHALL REPLACE ANY DEAD OR UNHEALTHY PLANTS AT CONTRACTOR'S EXPENSE. FINAL ACCEPTANCE SHALL BE MADE IF ALL PLANTS MEET THE GUARANTEE REQUIREMENTS INCLUDING MAINTENANCE, MAINTENANCE RESPONSIBILITIES INCLUDE INVASIVE SPECIES MONITORING, REMOVAL, AND SUPPLEMENTATION. MONITORING OF THE PROJECT SITE SHALL OCCUR IN THE SPRING AND THE FALL TO DETERMINE THE PRESENCE OF INVASIVE SPECIES. SHOULD ANY INVASIVE SPECIES BE IDENTIFIED WITHIN THE PROJECT SITE, THE INVASIVE SPECIES SHALL BE REMOVED ACCORDING TO METHODS MOST LIKELY TO BE EFFECTIVE IN CONTROLLING THAT SPECIES AND SUPPLEMENTING ITS REPLACEMENT WITH APPROPRIATE VEGETATION AND SEED MIX IDENTIFIED (AND APPROVED) ON THIS PLAN AND/OR AN APPROVED EQUAL. ADDITIONAL MAINTENANCE RESPONSIBILITIES INCLUDE: APPROVED CULTIVATING, SPRAYING, WEEDING, WATERING, TIGHTENING OF TREE STRAP GUYS, PRUNING, FERTILIZING, MULCHING, AND ANY OTHER OPERATIONS NECESSARY TO MAINTAIN PLANT VIABILITY. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING AND CONTINUE UNTIL 90 DAYS AFTER FINAL ACCEPTANCE.
3. THE CONTRACTOR SHALL SUPPLY ALL LABOR, PLANTS, APPROVED SEEDING MIX, AND MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE WORK SHOWN ON THE DRAWINGS(S) AND LISTED IN THE PLANT SCHEDULE(S) AND/OR SEEDING TABLE(S). IN THE EVENT OF A DISCREPANCY BETWEEN QUANTITIES SHOWN IN THE PLANT SCHEDULE AND/OR SEEDING TABLE AND THOSE REQUIRED BY THE DRAWINGS, THE LARGER SHALL APPLY. ALL PLANTS SHALL BE ACCLIMATED BY THE SUPPLY NURSERY TO THE LOCAL HARDINESS ZONE AND BE CERTIFIED THAT THE PLANTING MATERIAL HAS BEEN GROWN FOR A MINIMUM OF (2) TWO YEARS AT THE SOURCE AND OBTAINED WITHIN 200 MILES OF PROJECT SITE UNLESS OTHERWISE APPROVED BY OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE ARCHITECT.
4. THE LOCATIONS FOR PLANT MATERIAL ARE APPROXIMATE AND ARE SUBJECT TO FIELD ADJUSTMENT DUE TO SLOPE, VEGETATION, AND SITE FACTORS SUCH AS THE LOCATION OF ROCK OUTCROPS. PRIOR TO PLANTING THE CONTRACTOR SHALL ACCURATELY STAKE OUT THE LOCATIONS FOR ALL PLANTS. THE OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE ARCHITECT SHALL APPROVE THE FIELD LOCATIONS OR ADJUSTMENTS OF THE PLANT MATERIAL.
5. ALL SHRUB MASSING SHALL BE MULCHED TO A DEPTH OF 2' AND SHREDDED HARDWOOD BARK MULCH SHALL BE USED FOR SHRUB MASSING AREAS.
6. NO PLANT SHALL BE PLACED IN THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY THE OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE CONTRACTOR. STAKING THE LOCATION OF ALL TREES AND SHRUBS SHALL BE COMPLETED PRIOR TO PLANTING FOR APPROVAL BY THE OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE ARCHITECT. STAKING OF THE INSTALLED TREE MUST BE COMPLETED THE SAME DAY AS IT IS INSTALLED. ALL TREES SHALL BE STAKED OR GUYED AS PER THE DETAIL SEE LANDSCAPING PLANS( ) FOR PLANTING DETAILS.
7. COORDINATE PLANT MATERIAL LOCATIONS WITH SITE UTILITIES. SEE SITE LAYOUT, GRADING AND/OR UTILITY PLANS FOR STORM, SANITARY, GAS, ELECTRIC, TELEPHONE AND WATER LINES. UTILITY LOCATIONS ARE APPROXIMATE. EXERCISE CARE WHEN DIGGING IN AREAS OF POTENTIAL CONFLICT WITH UNDERGROUND OR OVERHEAD UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE DUE TO CONTRACTOR'S NEGLIGENCE AND SHALL REPLACE OR REPAIR ANY DAMAGE AT CONTRACTOR'S EXPENSE.
8. LANDSCAPE PLANTING PITS MUST BE FREE DRAINING. PAVEMENT, COMPAKTED SUBGRADE, AND BLASTED ROCK SHALL BE REMOVED TO A DEPTH OF 2' OR TO A GREATER DEPTH IF REQUIRED BY PLANTING DETAILS OR SPECIFICATIONS. REPLACE SOIL WITH MODERATELY COMPAKTED LOAM OR SANDY LOAM FREE FROM STONES AND RUBBISH 1" OR GREATER IN DIAMETER AND ANY OTHER MATERIAL HARMFUL TO PLANT GROWTH AND DEVELOPMENT. PLANTING INSTALLATION SHALL BE AS DETAILED AND CONTAIN PLANTING MIX AS SPECIFIED UNLESS RECOMMENDED OTHERWISE BY SOIL ANALYSIS.

PLANTING SOIL MIXTURE:  
 2 PARTS PEAT MOSS  
 5 PARTS TOPSOIL  
 MYCORRHIZA INOCULANT - "TRANSPLANT 1-STEP" AS MANUFACTURED BY ROOTS, INC. OR APPROVED EQUAL. USE PER MANUFACTURER'S RECOMMENDATIONS FOR TREES AND SHRUBS. FERTILIZER/LIME AS RECOMMENDED BY SOIL ANALYSIS

- TREES, AND SHRUBS: TREES AND SHRUBS SHALL BE NURSERY GROWN UNLESS OTHERWISE NOTED AND HARDY UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCATION OF THE PROJECT. THEY SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY, WITH NORMAL HABIT OF GROWTH. THEY SHALL BE SOUND, HEALTHY, VIGOROUS, WELL-BRANCHED AND DENSELY FOLIATED WHEN IN LEAF. THEY SHALL BE FREE OF DISEASE, INSECT PESTS, EGGS, OR LARVAE. THEY SHALL HAVE HEALTHY AND WELL-DEVELOPED ROOT SYSTEMS. ALL TREES SHALL HAVE STRAIGHT SINGLE TRUNKS WITH THEIR MAIN LEADER INTACT UNLESS OTHERWISE STATED. THE OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE ARCHITECT SHALL ONLY PERMIT SUBSTITUTIONS UPON WRITTEN APPROVAL. THEIR SIZES SHALL CONFORM TO THE MEASUREMENT SPECIFIED ON THE DRAWINGS. PLANTS LARGER THAN SPECIFIED ON THE DRAWINGS MAY BE USED IF APPROVED. THE USE OF SUCH PLANTS SHALL NOT INCREASE THE CONTRACT PRICE. ALL TREES AND SHRUBS SHALL BE MULCHED IN ACCORDANCE WITH THE SPECIFIED PLANTING DETAIL(S) PROVIDED IN THE LANDSCAPING PLAN.
- ALL PRUNING SHALL CONFORM TO THE TREE CARE INDUSTRY ASSOCIATION (TCIA) ANSI A300 (PART 1) - 2017 PRUNING STANDARDS. PRUNING STANDARDS SHALL RECOGNIZE BUT, ARE NOT LIMITED TO, THE FOLLOWING PRUNING OBJECTIVES: MANAGE RISK, MAINTAIN HEALTH, DEVELOP STRUCTURE, PROVIDE CLEARANCE, MANAGE SIZE OR SHAPE, IMPROVE AESTHETICS, MANAGE PRODUCTION OF FRUIT, FLOWERS, OR OTHER PRODUCTS, AND/OR MANAGE WILDLIFE HABITAT. DEVELOPING STRUCTURE SHALL IMPROVE BRANCH AND TRUNK ARCHITECTURE, PROMOTE OR SUBORDINATE CERTAIN LEADERS, STEMS, OR BRANCHES; PROMOTE DESIRABLE BRANCH SPACING; PROMOTE OR DISCOURAGE GROWTH IN A PARTICULAR DIRECTION (DIRECTIONAL PRUNING); MINIMIZE FUTURE INTERFERENCE WITH TRAFFIC, LINES OF SIGHT, INFRASTRUCTURE, OR OTHER PLANTS; RESTORE PLANTS FOLLOWING DAMAGE; AND/OR REJUVENATE SHRUBS. PROVIDING CLEARANCE SHALL ENSURE SAFE AND RELIABLE UTILITY SERVICES; MINIMIZE CURRENT INTERFERENCE WITH TRAFFIC, LINES OF SITE, INFRASTRUCTURE, OR OTHER PLANTS; RAISE CROWN(S) FOR MOVEMENT OF TRAFFIC OR LIGHT PENETRATION; ENSURE LINES OF SIGHT OR DESIRED VIEWS; PROVIDE ACCESS TO SITES, BUILDINGS, OR OTHER STRUCTURES; AND/OR COMPLY WITH REGULATIONS.
- TOPSOIL SHALL BE INSTALLED AT A MINIMUM DEPTH OF 6 INCHES. CONTRACTOR SHALL SUBMIT TOPSOIL TO A CERTIFIED TESTING LABORATORY TO DETERMINE PH, FERTILITY, ORGANIC CONTENT AND MECHANICAL COMPOSITION. THE CONTRACTOR SHALL SUBMIT THE TEST RESULTS FROM REGIONAL EXTENSION OFFICE OF USDA TO THE OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTOR SHALL INCORPORATE AMENDMENTS FOR GOOD PLANT GROWTH AND PROPER SOIL ACIDITY RECOMMENDED FROM THE TOPSOIL TEST.
- NO PHOSPHOROUS SHALL BE USED AT PLANTING TIME UNLESS SOIL TESTING HAS BEEN COMPLETED AND TESTED BY A HORTICULTURAL TESTING LAB AND SOIL TESTS SPECIFICALLY INDICATE A PHOSPHOROUS DEFICIENCY THAT IS HARMFUL, OR WILL PREVENT NEW LAWNS/GRASSES AND PLANTINGS FROM ESTABLISHING PROPERLY.
- IF SOIL TESTS INDICATE A PHOSPHOROUS DEFICIENCY THAT WILL IMPACT PLANT AND LAWN ESTABLISHMENT, PHOSPHOROUS SHALL BE APPLIED AT THE MINIMUM RECOMMENDED LEVEL PRESCRIBED IN THE SOIL TEST FOLLOWING ALL APPLICABLE STANDARDS, REQUIREMENTS, AND/OR REGULATIONS.
- ALL SLOPES GREATER THAN 3:1 RECEIVING A WILDFLOWER, WETLAND, AND/OR GRASS SEEDING MIXTURE SHALL BE COVERED WITH AN EROSION CONTROL BLANKET.
- ALL WILDFLOWERS AND GRASSES SOWED SHALL BE ALLOWED TO GROW TO THEIR NATURALLY OCCURRING HEIGHTS WHENEVER POSSIBLE. NATIVE WILDFLOWERS AND/OR GRASSES CAN BE MOVED/MAINTAINED (WITHIN ACCEPTABLE AREAS IDENTIFIED AND/OR APPROVED BY APPROPRIATE REGULATORY AGENCIES) AS OFTEN AS NEEDED TO KEEP THE VEGETATION AT A DESIRED AND/OR MANAGEABLE/MAINCURED HEIGHT.

### SEEDING

1. APPLY SEED AT RATE PER – SEED MIXTURES
2. PLANTING SEASON: SEED FROM MARCH 15 TO MAY 1, AND AUGUST 15 TO OCTOBER 1. TEMPORARY SEEDING CAN OCCUR OUTSIDE OF THE PLANTING SEASON IN ACCORDANCE WITH THE MIXTURES AND RATES SPECIFIED WITHIN THE APPROVED STORMWATER POLLUTION PREVENTION PLAN.
3. DO NOT SOW IMMEDIATELY FOLLOWING RAIN, WHEN GROUND IS TOO DRY, OR WHEN WINDS EXCEED 12 MPH.
4. APPLY WATER WITH FINE SPRAY IMMEDIATELY AFTER EACH AREA HAS BEEN MULCHED. SATURATE TO 4 INCHES OF SOIL.

### HYDROSEEDING:

1. APPLY SEED AT RATES SPECIFIED ON SEED MIX TABLES. APPLICATION RATES FOR SLOPES GREATER THAN 3:1 RECEIVING A WILDFLOWER, AND/OR GRASS SEEDING MIXTURE MAY INCREASE PER SITE CONDITIONS. SEE MANUFACTURER'S RECOMMENDATIONS FOR STEEP SLOPES.
2. PLANTING SEASON: SEE SEEDING NOTE 2 ABOVE FOR TIMING.
3. DO NOT HYDROSEED IMMEDIATELY FOLLOWING RAIN, WHEN GROUND IS TOO DRY, OR WHEN WINDS EXCEED 12 MPH.
4. APPLY GEOPERM BONDED FIBER MATRIX, OR APPROVED EQUAL, AND SEDED SLURRY WITH HYDRAULIC SEEDER AT RATE OF 5,000 LBS. PER ACRE, DRY WEIGHT, AND SEED COMPONENT IS DEPOSITED EVENLY IN ONE PASS AND NOT LESS THAN THE SPECIFIED SEED-SOWING RATE; MANUFACTURED BY GEOENVIRONMENTAL OR AN APPROVED EQUIVALENT.
  - GEOPERM: 3,000 LBS./ACRE
  - SEED MIXTURE: PER SEED MIX (ADD SEED DRY WEIGHT TO TOTAL APPLICATION RATE)
5. AFTER APPLICATION, APPLY WATER WITH FINE SPRAY IMMEDIATELY AFTER EACH AREA HAS BEEN HYDROSEEDED. SATURATE TO 4 INCHES OF SOIL AND MAINTAIN MOISTURE LEVELS TWO TO FOUR INCHES.
6. THE CONTRACTOR SHALL ALSO FOLLOW THE TYPICAL MANUFACTURERS INSTALLATION RECOMMENDATIONS AND FINAL APPLICATION RATES.

### MAINTENANCE

1. OCCASIONALLY MOW GRASS WITHIN THE SOLAR FARM TO MAINTAIN SEPARATION DISTANCES BETWEEN LOWER SIDE OF THE SOLAR PANEL AND VEGETATION TO AVOID ANY POTENTIAL SHADING OF THE SOLAR PANELS, AT THE DIRECTION OF THE OWNER'S REPRESENTATIVE – MINIMUM OF 2 TO 3 TIMES PER GROWING SEASON.
2. WATER TO PREVENT SEED MIXTURES AND SOIL FROM DRYING OUT.
3. HAND RAKE AND SMOOTH SURFACE TO REMOVE MINOR DEPRESSIONS OR IRRREGULARITIES.
4. CONTROL GROWTH OF WEEDS AND INVASIVE SPECIES USING MECHANICAL METHODS ONLY. CHEMICAL PESTICIDES, HERBICIDES, INSECTICIDES, FUNGICIDES, AND RODENTICIDES SHALL NOT BE USED.
5. IMMEDIATELY RESEED AREAS SHOWING BARE SPOTS WITH SPECIFIED SEED MIXTURE AND APPLICATION RATE.
6. REPAIR WASHOUTS OR GULLIES.
7. PROTECT SEEDED AREAS WITH WARNING SIGNS DURING MAINTENANCE PERIOD.

## PRELIMINARY SOLAR FARM GRASS SEED MIX

ERNST NATIVE/NATURALIZED SOLAR FARM SEED MIX: ERNMX -186-1, OR APPROVED EQUAL				
MIX CONCENTRATION	BOTANICAL NAME	COMMON NAME	RATE (LBS/ACRE)	RATE (LBS/1000 FT <sup>2</sup> )
34.0%	FESTUCA RUBRA	CREEPING RED FESCUE		
33.0%	FESTUCA OVINA	SHEEP FESCUE		
10.0%	FESTUCA BREVIPILA 'BEACON'	HARD FESCUE 'BEACON'		
5.0%	FESTUCA OVINA VAR. DURIUSCULA 'RHINO'	HARD FESCUE 'RHINO'		
5.0%	FESTUCA OVINA VAR. GLAUCA (F. ARVERNENSIS) (F. GLAUCA)	BLUE FESCUE, 'BLUE RAY'		
5.0%	POA PRATENSIS, 'ARGYLE'	KENTUCKY BLUEGRASS 'ARGYLE'		
5.0%	POA PRATENSIS, 'SHAMROCK'	KENTUCKY BLUEGRASS 'SHAMROCK'		
3.0%	AGROSTIS PERENNANS, ALBANY PINE BUSH-NY ECOTYPE	AUTUMN BENTGRASS, ALBANY PINE BUSH-NY ECOTYPE		

### NOTE:

GRASS SEED MIXES ARE COMPRISED OF GRASSES THAT ARE NATIVE AND/OR INDIGENOUS TO THE AREA AND/OR CONSIDERED FAVORABLE FOR WILDLIFE HABITAT AND SUSTAINABLE GROWTH. ADDITIONALLY, THE SOLAR FARM SEED MIX WAS DEVELOPED ESPECIALLY FOR GRASS PLANTINGS AROUND SOLAR ARRAY FIELDS AND SHALL BE UTILIZED ACCORDINGLY. THESE GRASSES WILL MATURE OUT TO A HEIGHT OF APPROXIMATELY 2 TO 2 1/2 FEET HIGH. THERE ARE NO WILDFLOWER OR POLLINATOR SEED SPECIES CONTAINED IN THESE NATIVE GRASS SEED MIXES.

## ALTERNATE PRELIMINARY SOLAR FARM GRASS SEED MIX

ERNST SOLAR FARM SEED MIX: ERNMX - 186, OR APPROVED EQUAL (BASED ON AVAILABILITY)				
MIX CONCENTRATION	BOTANICAL NAME	COMMON NAME	RATE (LBS/ACRE)	RATE (LBS/1000 FT <sup>2</sup> )
45.5%	FESTUCA RUBRA	CREEPING RED FESCUE		
15.0%	FESTUCA OVINA VAR. DURIUSCULA, 'JETTY'	HARD FESCUE, 'JETTY'		
15.0%	FESTUCA OVINA VAR. DURIUSCULA, 'GLADIATOR'	HARD FESCUE, 'GLADIATOR'		
10.0%	FESTUCA RUBRA SSP. COMMUTATA	CHEWING FESCUE		
5.0%	POA PRATENSIS, 'KELLY'	KENTUCKY BLUEGRASS, 'KELLY'		
5.0%	POA PRATENSIS, 'MAVERICK'	KENTUCKY BLUEGRASS, 'MAVERICK'		
4.5%	TRIFOLIUM REPENS, DUTCH	WHITE CLOVER, DUTCH		

### NOTE:

GRASS SEED MIXES ARE COMPRISED OF GRASSES THAT ARE NATIVE AND/OR INDIGENOUS TO THE AREA AND/OR CONSIDERED FAVORABLE FOR WILDLIFE HABITAT AND SUSTAINABLE GROWTH. ADDITIONALLY, THE SOLAR FARM SEED MIX WAS DEVELOPED ESPECIALLY FOR GRASS PLANTINGS AROUND SOLAR ARRAY FIELDS AND SHALL BE UTILIZED ACCORDINGLY. THESE GRASSES WILL MATURE OUT TO A HEIGHT OF APPROXIMATELY 1 TO 3 FEET HIGH. WHITE CLOVER IS THE ONLY WILDFLOWER OR POLLINATOR SEED SPECIES CONTAINED IN THESE GRASS SEED MIX.

## LEGEND - OVERALL PLANTING TOTALS

LANDSCAPE PLANTING SCHEDULE VISUAL MITIGATION PLANTING TEMPLATE TYPES

### EVERGREEN TREES

(VISUAL BUFFER/SCREENING WITH EVERGREEN TREES & SHRUBS)

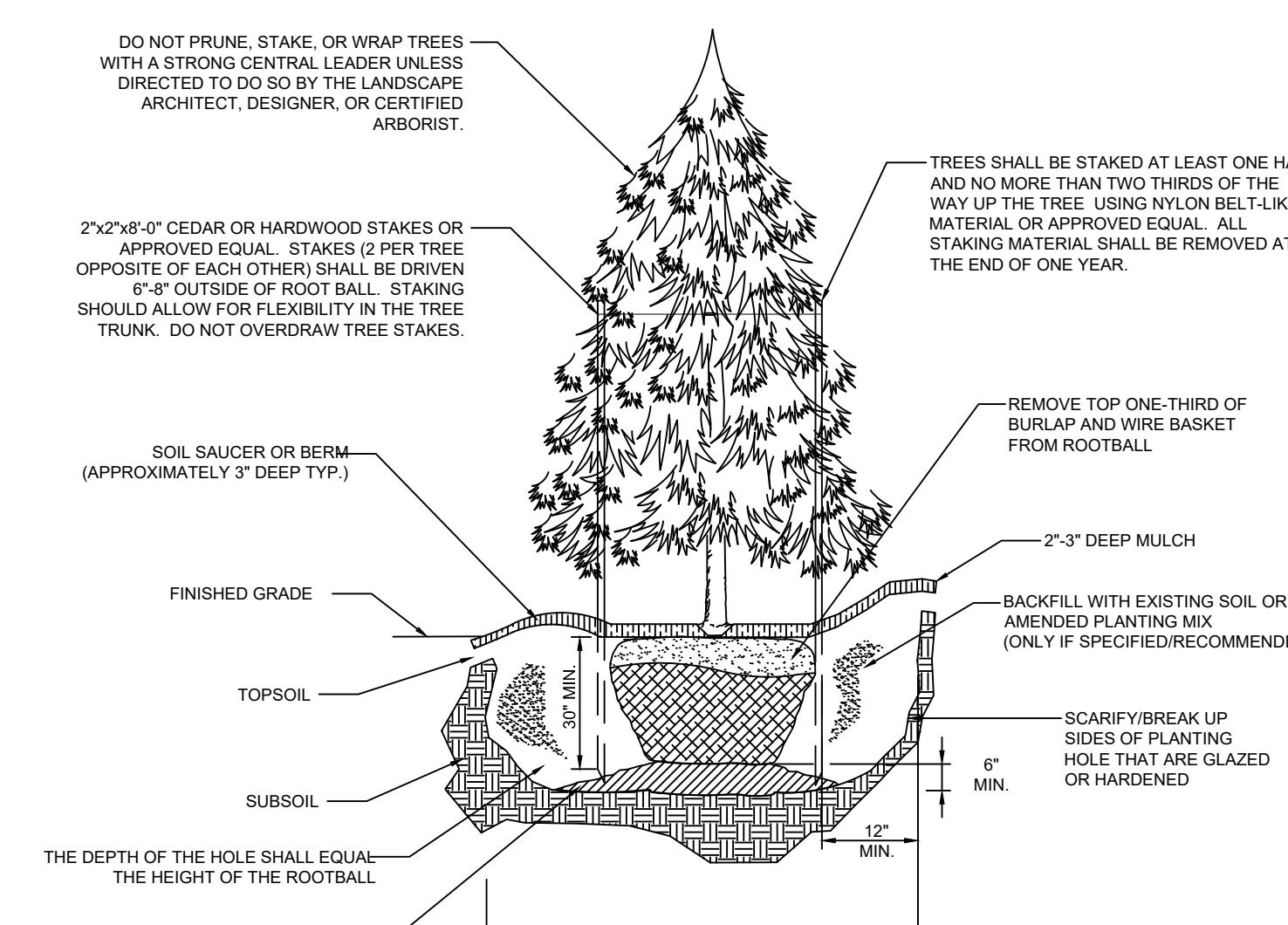
SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	46	5'-6' HT	B&B	40'-50' HT.
PM	PICEA MARINA BLACK SPRUCE	62	5'-6' HT	B&B	40'-60' HT.
CT	CHAMAECYPARIS THYOIDES ATLANTIC WHITE CEDAR	38	5'-6' HT	B&B	30'-40' HT.

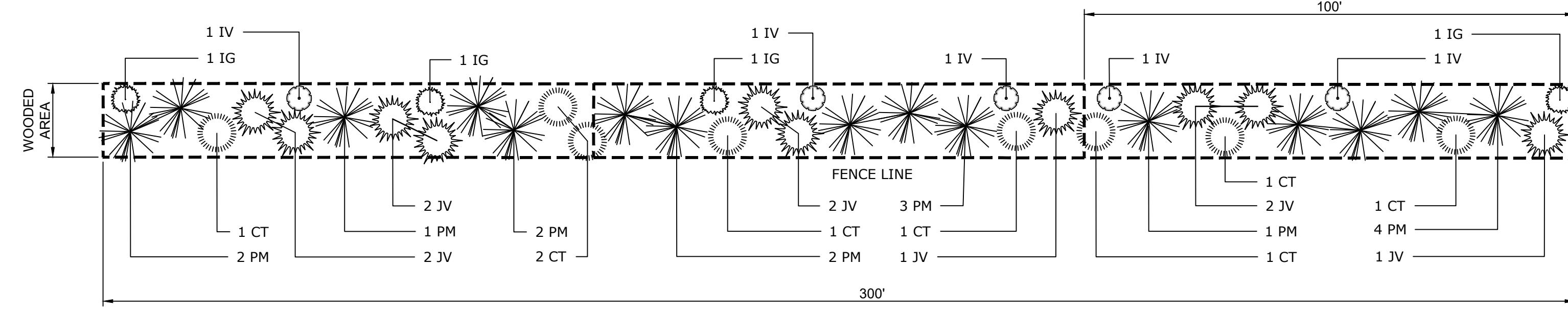
### SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
IG	ILEX GLABRA INKBERRY HOLLY	21	36"-42" HT.	#3/5 CONT.	8'-10' HT.
IV	ILEX VERTICILLATA COMMON WINTERBERRY	24	36"-42" HT.	#3/5 CONT.	10'-12' HT.

### LANDSCAPING NOTES:

1. SEE LANDSCAPE NOTES & DETAILS SHEETS L-1 & L-2 FOR GENERAL LANDSCAPE AND SEEDING NOTES; GRASS SEED MIXES, PLANTING DETAILS, PLATES, AND SCHEDULES OF VEGETATIVE SCREENING MITIGATION TABLES.
2. SUPPLEMENT EXISTING WOODS AS NEEDED TO GENERALLY BUFFER VIEW OF SOLAR PROJECT FROM OFF-SITE LOCATIONS. ALL MATURE HEALTHY VEGETATION IN THIS AREA SHALL REMAIN. SELECT UNHEALTHY / UNDESIRABLE VEGETATION SHALL BE THINNED / REMOVED TO FACILITATE PLANTING OF ADDITIONAL VEGETATION. A MIX OF NATIVE SHRUB SPECIES SHALL BE UTILIZED WITH EVERGREEN TREE SPECIES WHERE APPROPRIATE IN THIS AREA TO SUPPLEMENT THE EXISTING BUFFER. PROPOSED VEGETATION QUANTITIES AND SPECIES TYPES PLANTED IN THESE AREAS WILL BE SELECTIVE IN NATURE AND BASED ON DISCRETIONARY DECISIONS THAT ARE MADE IN THE FIELD DURING CONSTRUCTION. WIDTH OF BUFFER/SCREEN WILL VARY WITHIN HATCHED AREA BUT WILL BE NO LESS THAN 15 FEET.





## LEGEND

VISUAL MITIGATION PLANTING TEMPLATE - WOODED AREA  
LANDSCAPE PLANTING SCHEDULE: 15' SUPPLEMENTAL VISUAL BUFFER/SCREENING

### EVERGREEN TREES

(15' VISUAL BUFFER/SCREENING WITH EVERGREEN TREES AND SHRUBS)

SYMBOL	BOTANICAL NAME/COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	10	5'-6' HT	B&B	40'-50' HT.
PM	PICEA MARIANA BLACK SPRUCE	15	5'-6' HT	B&B	40'-60' HT.
CT	CHAMAECYPARIS THYOIDES ATLANTIC WHITE CEDAR	8	5'-6' HT	B&B	30'-40' HT.

### SHRUBS

(BOTANICAL NAME/COMMON PLANT NAME)

SYMBOL	BOTANICAL NAME/COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
IG	ILEX GLABRA INKBERRY HOLLY	4	36"-42" HT.	#3/5 CONT.	8'-10' HT.
IV	ILEX VERTICILLATA COMMON WINTERBERRY	5	36"-42" HT.	#3/5 CONT.	10'-12' HT.

## LEGEND - VM1

PLANTING TEMPLATE - LOCATION WEST OF ACCESS ROAD  
LANDSCAPE PLANTING SCHEDULE  
TOTAL MITIGATION LENGTH = 530 LF

### EVERGREEN TREES

(15' VISUAL BUFFER/SCREENING WITH EVERGREEN TREES & SHRUBS)

SYMBOL	BOTANICAL NAME/COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	19	5'-6' HT	B&B	40'-50' HT.
PM	PICEA MARIANA BLACK SPRUCE	26	5'-6' HT	B&B	40'-60' HT.
CT	CHAMAECYPARIS THYOIDES ATLANTIC WHITE CEDAR	15	5'-6' HT	B&B	30'-40' HT.

### SHRUBS

SYMBOL	BOTANICAL NAME/COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
IG	ILEX GLABRA INKBERRY HOLLY	7	36"-42" HT.	#3/5 CONT.	8'-10' HT.
IV	ILEX VERTICILLATA COMMON WINTERBERRY	9	36"-42" HT.	#3/5 CONT.	10'-12' HT.

## LEGEND - VM2

PLANTING TEMPLATE - LOCATION EAST PROPERTY  
LANDSCAPE PLANTING SCHEDULE  
TOTAL MITIGATION LENGTH = 710 LF

### EVERGREEN TREES

(15' VISUAL BUFFER/SCREENING WITH EVERGREEN TREES & SHRUBS)

SYMBOL	BOTANICAL NAME/COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	24	5'-6' HT	B&B	40'-50' HT.
PM	PICEA MARIANA BLACK SPRUCE	36	5'-6' HT	B&B	40'-60' HT.
CT	CHAMAECYPARIS THYOIDES ATLANTIC WHITE CEDAR	19	5'-6' HT	B&B	30'-40' HT.

### SHRUBS

SYMBOL	BOTANICAL NAME/COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
IG	ILEX GLABRA INKBERRY HOLLY	10	36"-42" HT.	#3/5 CONT.	8'-10' HT.
IV	ILEX VERTICILLATA COMMON WINTERBERRY	11	36"-42" HT.	#3/5 CONT.	10'-12' HT.

## LEGEND - WOODED AREA TOTALS

LANDSCAPE PLANTING SCHEDULE

VISUAL MITIGATION PLANTING TEMPLATE

### EVERGREEN TREES

(LANDSCAPE PLANTING SCHEDULE: 15' SUPPLEMENTAL VISUAL BUFFER/SCREENING)

SYMBOL	BOTANICAL NAME/COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	43	5'-6' HT	B&B	40'-50' HT.
PM	PICEA MARIANA BLACK SPRUCE	62	5'-6' HT	B&B	40'-60' HT.
CT	CHAMAECYPARIS THYOIDES ATLANTIC WHITE CEDAR	34	5'-6' HT	B&B	30'-40' HT.

### SHRUBS

SYMBOL	BOTANICAL NAME/COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
IG	ILEX GLABRA INKBERRY HOLLY	17	36"-42" HT.	#3/5 CONT.	8'-10' HT.
IV	ILEX VERTICILLATA COMMON WINTERBERRY	20	36"-42" HT.	#3/5 CONT.	10'-12' HT.

## LEGEND - VM3

PLANTING TEMPLATE - LOCATION AT PATHWAY OPENING  
LANDSCAPE PLANTING SCHEDULE  
TOTAL MITIGATION LENGTH = 60 LF

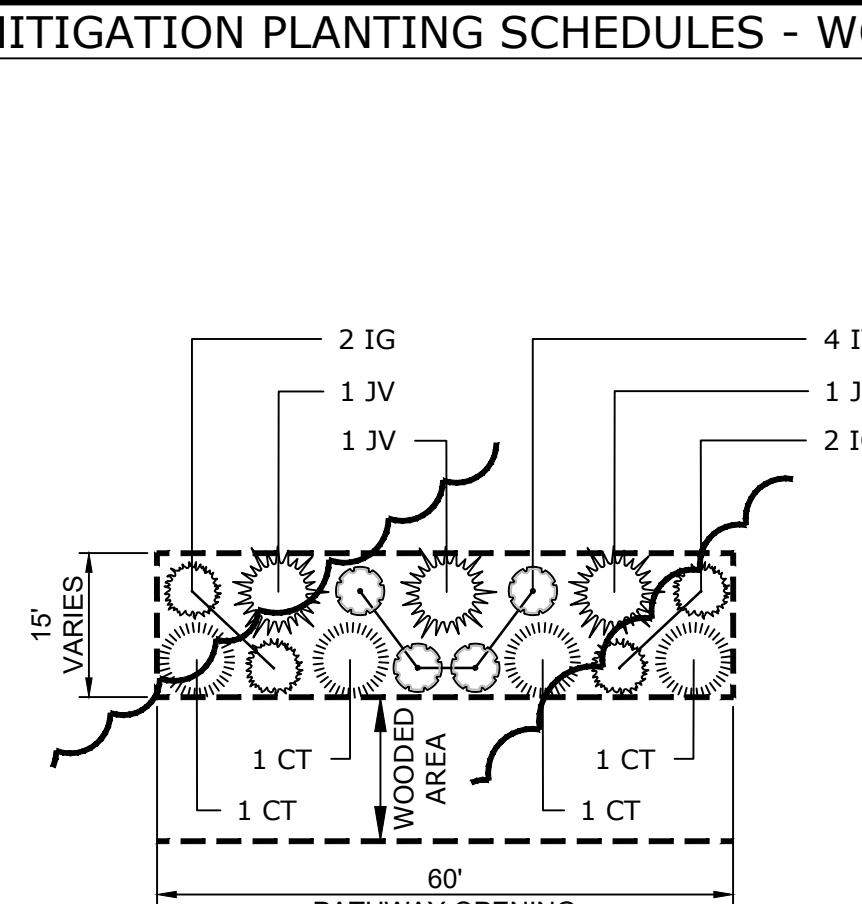
### EVERGREEN TREES

(15' VISUAL INFILL BUFFER/SCREENING WITH EVERGREEN TREES AND SHRUBS)

SYMBOL	BOTANICAL NAME/COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	3	5'-6' HT	B&B	40'-50' HT.
CT	CHAMAECYPARIS THYOIDES ATLANTIC WHITE CEDAR	4	5'-6' HT	B&B	30'-40' HT.

### SHRUBS

SYMBOL	BOTANICAL NAME/COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
IG	ILEX GLABRA INKBERRY HOLLY	4	36"-42" HT.	#3/5 CONT.	8'-10' HT.
IV	ILEX VERTICILLATA COMMON WINTERBERRY	4	36"-42" HT.	#3/5 CONT.	10'-12' HT.



## VISUAL MITIGATION PLANTING TEMPLATE & SCHEDULES - PATHWAY OPENING

## LEGEND

VISUAL MITIGATION PLANTING TEMPLATE - PATHWAY OPENING  
LANDSCAPE PLANTING SCHEDULE: 15' INFILL VISUAL BUFFER/SCREENING

### EVERGREEN TREES

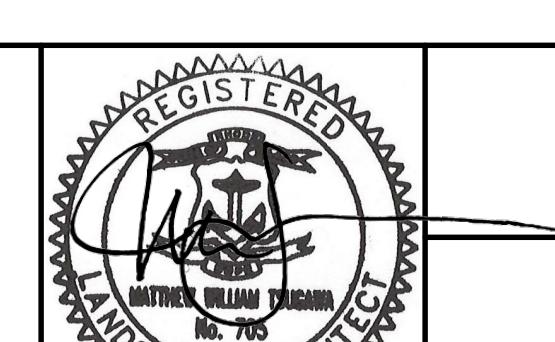
(15' VISUAL INFILL BUFFER/SCREENING WITH EVERGREEN TREES AND SHRUBS)

SYMBOL	BOTANICAL NAME/COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	3	5'-6' HT	B&B	40'-50' HT.
CT	CHAMAECYPARIS THYOIDES ATLANTIC WHITE CEDAR	4	5'-6' HT	B&B	30'-40' HT.

### SHRUBS

SYMBOL	BOTANICAL NAME/COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
IG	ILEX GLABRA INKBERRY HOLLY	4	36"-42" HT.	#3/5 CONT.	8'-10' HT.
IV	ILEX VERTICILLATA COMMON WINTERBERRY	4	36"-42" HT.	#3/5 CONT.	10'-12' HT.

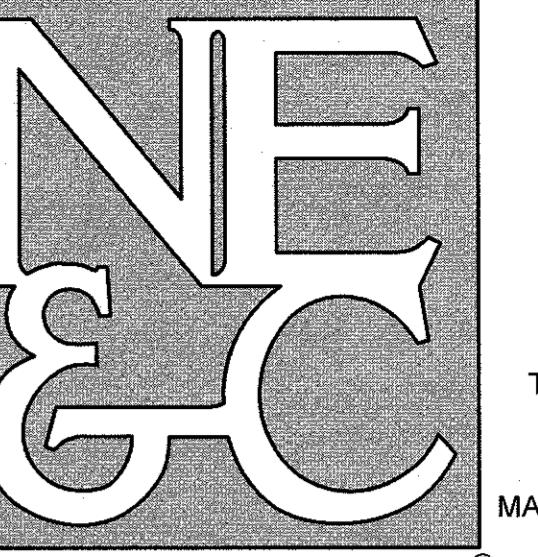
POMHAM SOLAR  
AP 16 LOTS 18 & 19  
OFF IRON MINE HILL ROAD  
NORTH SMITHFIELD, RI 02896



1	TOWN PRELIMINARY APPROVAL STIPULATION B	7/19/2023	GT	GT	MT
No.	REVISION	DATE	DRAWN	DESIGN	CHK
			DRAWN BY: GJR	DESIGNED BY: JMG	CHECKED BY: JMG

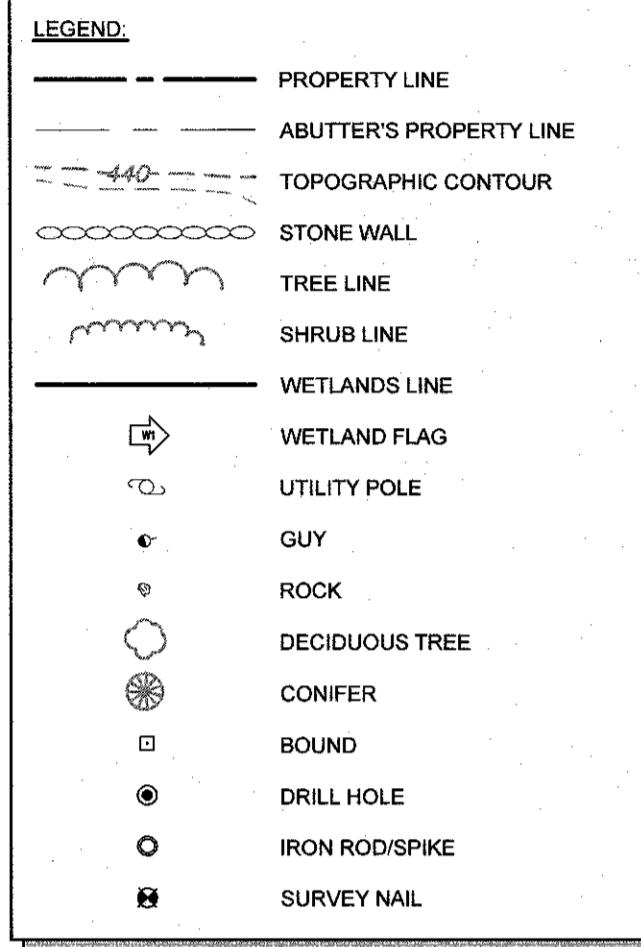
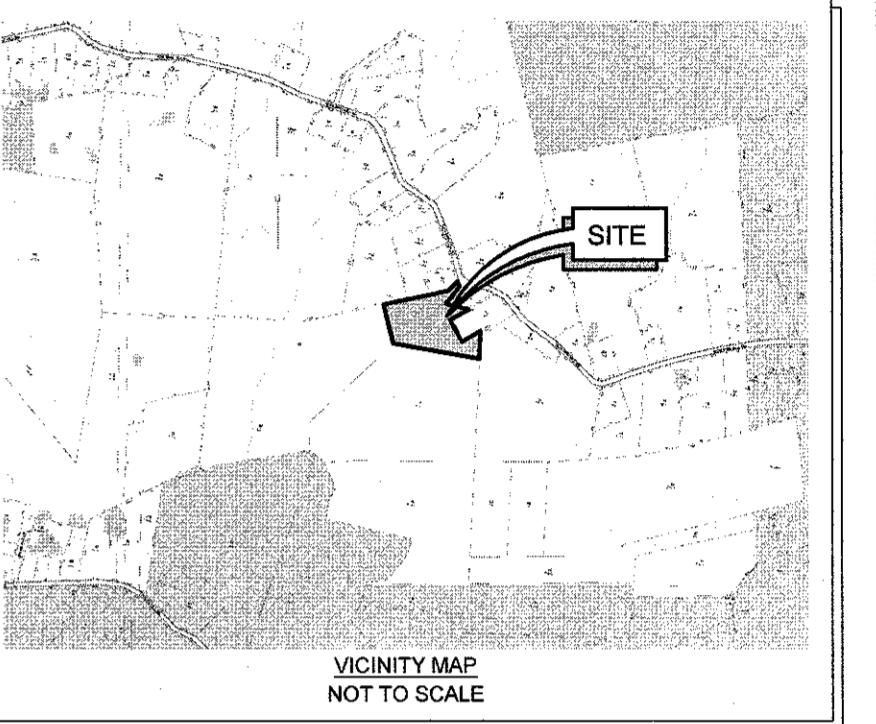
PERMITTING PLANS  
LANDSCAPE DETAILS  
FOR PERMITTING ONLY

DRAWING NO: L-2  
PROJECT NO: P322-001  
DATE OF ISSUE: 2/10/2023  
S



A KNOWLEDGE CORPORATION®

55 JOHN CLARKE ROAD MIDDLETOWN RHODE ISLAND 02842  
PHONE (401) 849-0810 FAX (401) 846-4169  
WWW.NORTHEASTENGINEERS.COM



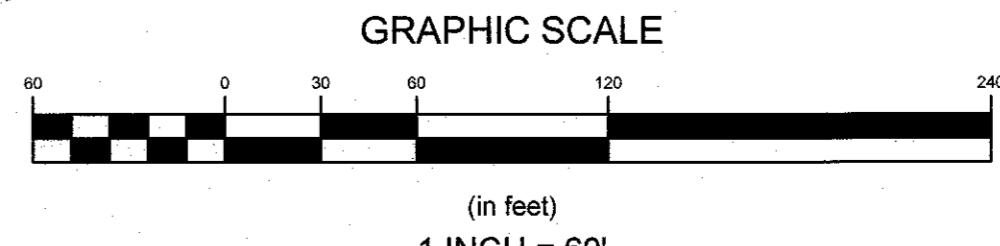
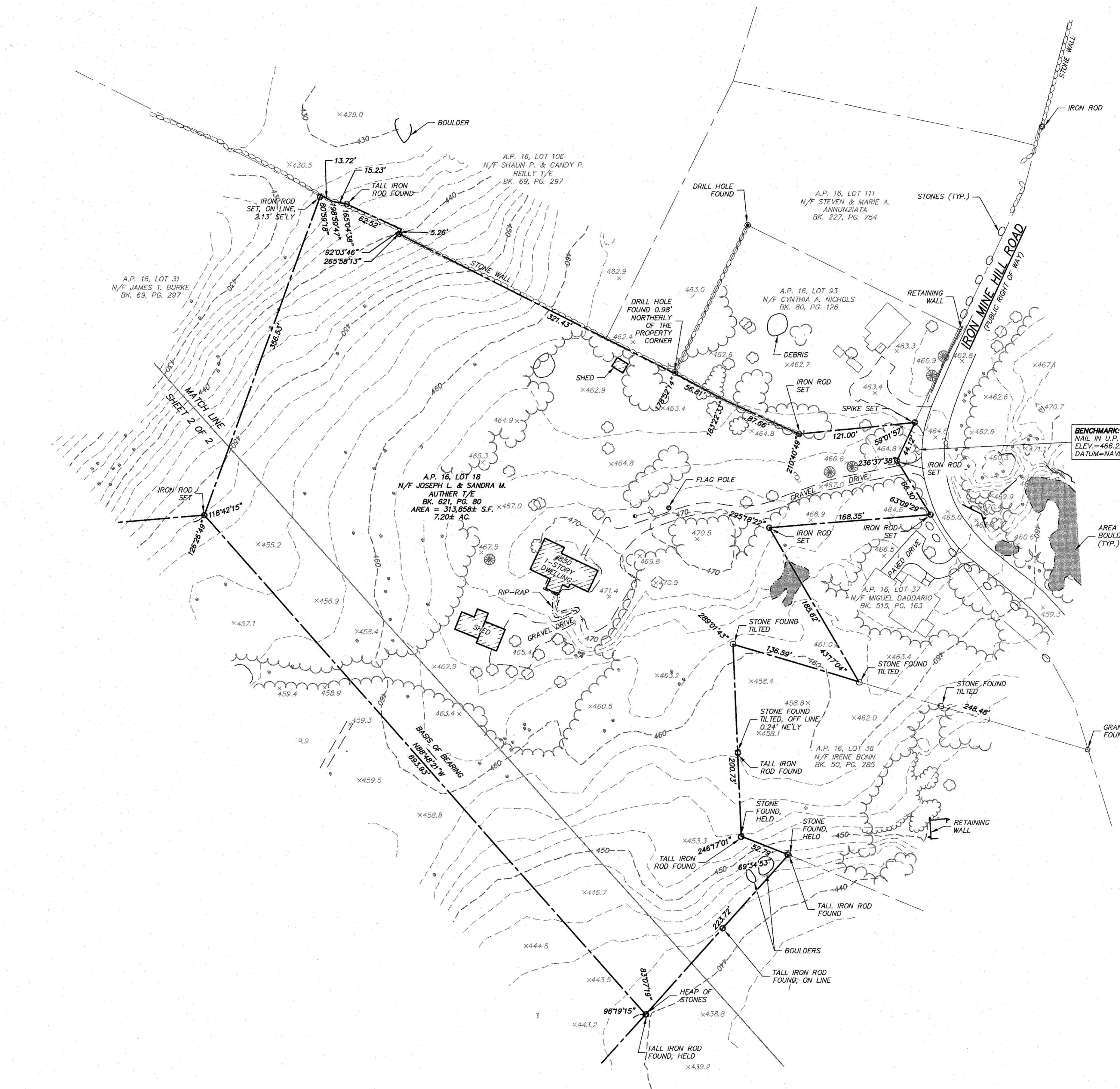
**GENERAL NOTES:**

- EXISTING CONDITIONS ARE THE RESULT OF A FIELD SURVEY BY NORTHEAST ENGINEERS & CONSULTANTS, INC. IN OCTOBER AND DECEMBER 2019.
- TOPOGRAPHY PROVIDED BY BLUESKY GEOSPATIAL LTD. VIA AERIAL PHOTOGRAPHMETRIC METHODS IN DECEMBER 2019.
- VERTICAL DATUM IS NAVD88.
- NORTH ARROW AND BASIS OF BEARING BASED ON RTK/GNSS OBSERVATION.

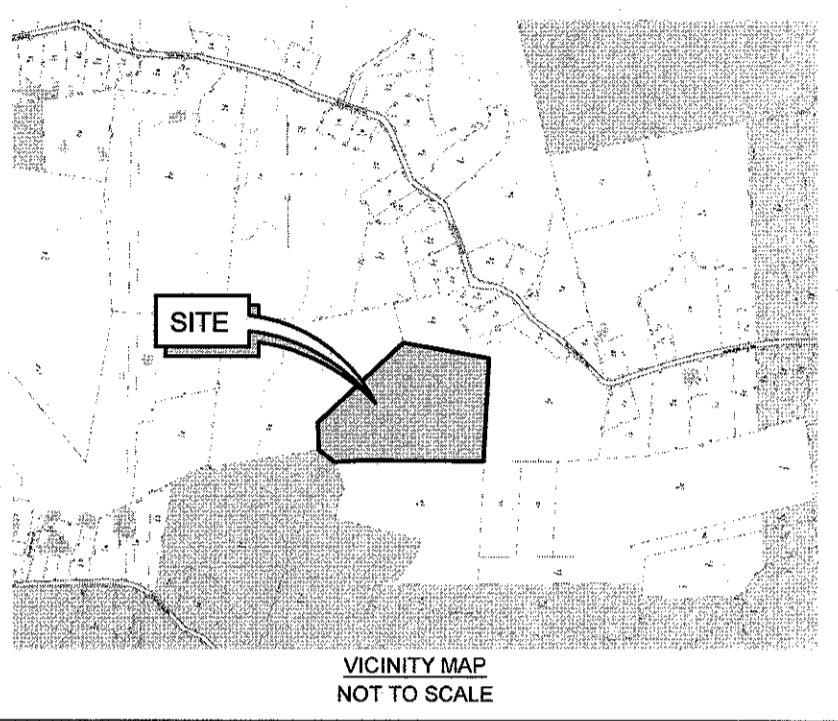
**PLAN REFERENCES:**

- PLAN ENTITLED "DIVISION OF LAND FOR LOUIS A. & FLORENCE R. COULOMBE NORTH SMITHFIELD, R.I." PREPARED BY BIBEAULT AND FLORENTZ ENGINEERING CO., INC. SCALE 1 INCH = 80 FEET, DATED JANUARY, 1999.
- PLAN ENTITLED "REDIVISION OF LAND FOR LOUIS A. & FLORENCE R. COULOMBE NORTH SMITHFIELD, R.I." PREPARED BY BIBEAULT AND FLORENTZ ENGINEERING CO., INC. SCALE 1 INCH = 80 FEET, DATED FEBRUARY, 1990.
- PLAN ENTITLED "MINOR SUBDIVISION FOR LOUIS COULOMBE NORTH SMITHFIELD, R.I." PREPARED BY BIBEAULT AND FLORENTZ ENGINEERING CO., INC. SCALE 1 INCH = 80 FEET, DATED FEBRUARY, 1999.
- PLAN ENTITLED "OXFORD CREEK FINAL PLAN ADMINISTRATIVE SUBDIVISION & MINOR SUBDIVISION OF PLAT 16 LOTS 20, 21, 28 & PLAT 20, LOTS 16 & 35" PREPARED BY MARC S. NYBERG ASSOCIATES, INC. SCALE 1"=100', DATED JULY 17, 2000.

<b>SURVEYOR'S CERTIFICATION:</b>	
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO 43-RICR-00-01-1 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON APRIL 28, 2018, AS FOLLOWS:	
TYPE OF BOUNDARY SURVEY:	MEASUREMENT SPECIFICATION:
LIMITED CONTENT BOUNDARY SURVEY TOPOGRAPHIC SURVEY ACCURACY	CLASS I CLASS T-3
<b>STATEMENT OF PURPOSE:</b>	
THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:	
TO DETERMINE AND MONUMENT THE LOCATION OF THE PROPERTY BOUNDARIES OF A.P.16, LOTS 18 & 19 AND TO SHOW EXISTING CONDITIONS AT THE SITE.	
BY:	
MARC S. THAYER No. 1889 COA NO. A356 12-17-2019 PROFESSIONAL LAND SURVEYOR	



No.	Revision	Date	App.
Designed By:	Drawn by:	VAL	Checked by: MST
Scale:	1"=60'	Date:	17DEC2019
Project Title: A.P. 16, LOTS 18 & 19 IRON MINE HILL ROAD NORTH SMITHFIELD, RHODE ISLAND			
Client/Owner: ESS GROUP, INC., C/O BARBARA CABRAL 10 HEMINGWAY DR., 2ND FLOOR EAST PROVIDENCE, RI 02815			
Issued for:			
Drawing Title: LIMITED CONTENT BOUNDARY SURVEY WITH EXISTING CONDITIONS AND TOPOGRAPHY			
Drawing Number: L-1		Sheet 1 of 2	
Project Number: 19178.0		Survey Index: 25 - 16 - 18 & 19	
OWNERSHIP AND USE OF DOCUMENTS: DRAWINGS AND SPECIFICATIONS, AS INSTRUMENTS OF PROFESSIONAL SERVICE, ARE AND SHALL REMAIN THE PROPERTY OF THE ENGINEER. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECTS OR PURPOSES, OR BY ANY OTHER PARTIES, THAN THOSE PROPERLY AUTHORIZED BY CONTRACT, WITHOUT THE EXPRESS AUTHORIZATION OF THE ENGINEER.			



No.	Revision	Date	App.
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Designed By:	Drawn by:	VAL	Checked by:	MST
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Scale:	1"=60'	Date:	17DEC2019
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Project Title:

**A.P. 16, LOTS 18 & 19  
IRON MINE HILL ROAD  
NORTH SMITHFIELD, RHODE ISLAND**

Client/Owner:  
ESS GROUP, INC., C/O BARBARA CABRAL  
10 HEMINGWAY DR., 2ND FLOOR  
EAST PROVIDENCE, RI 02915

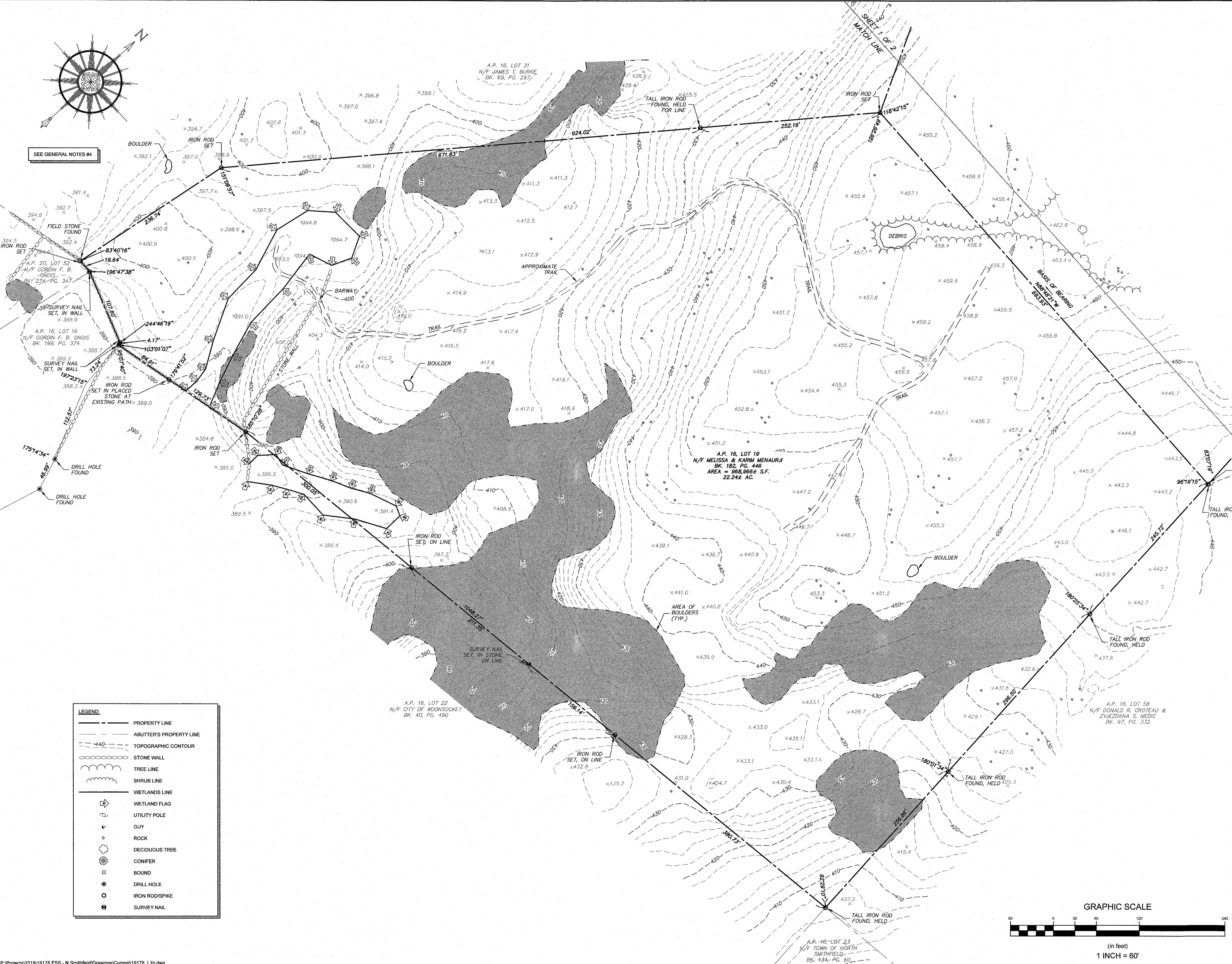
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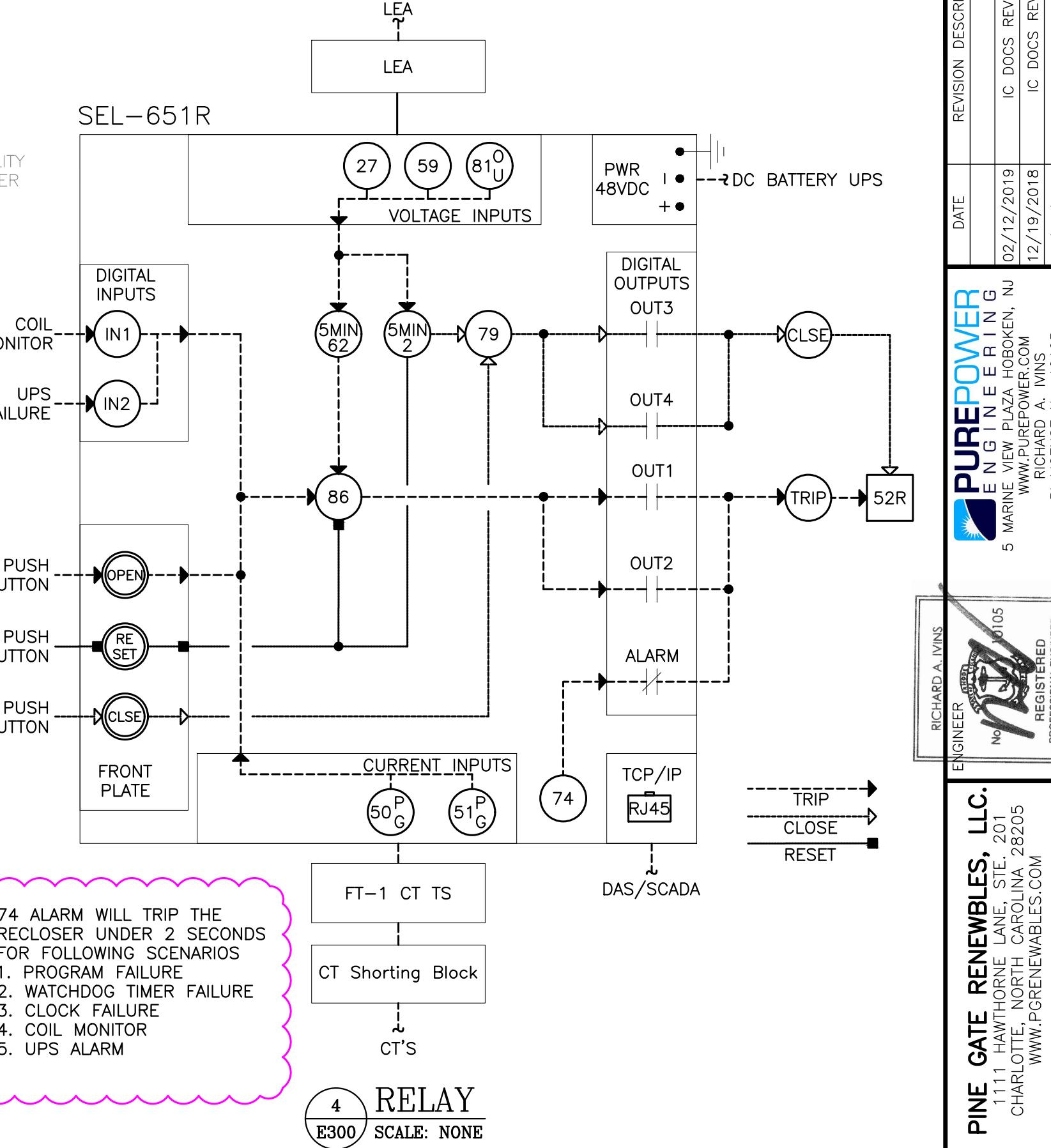
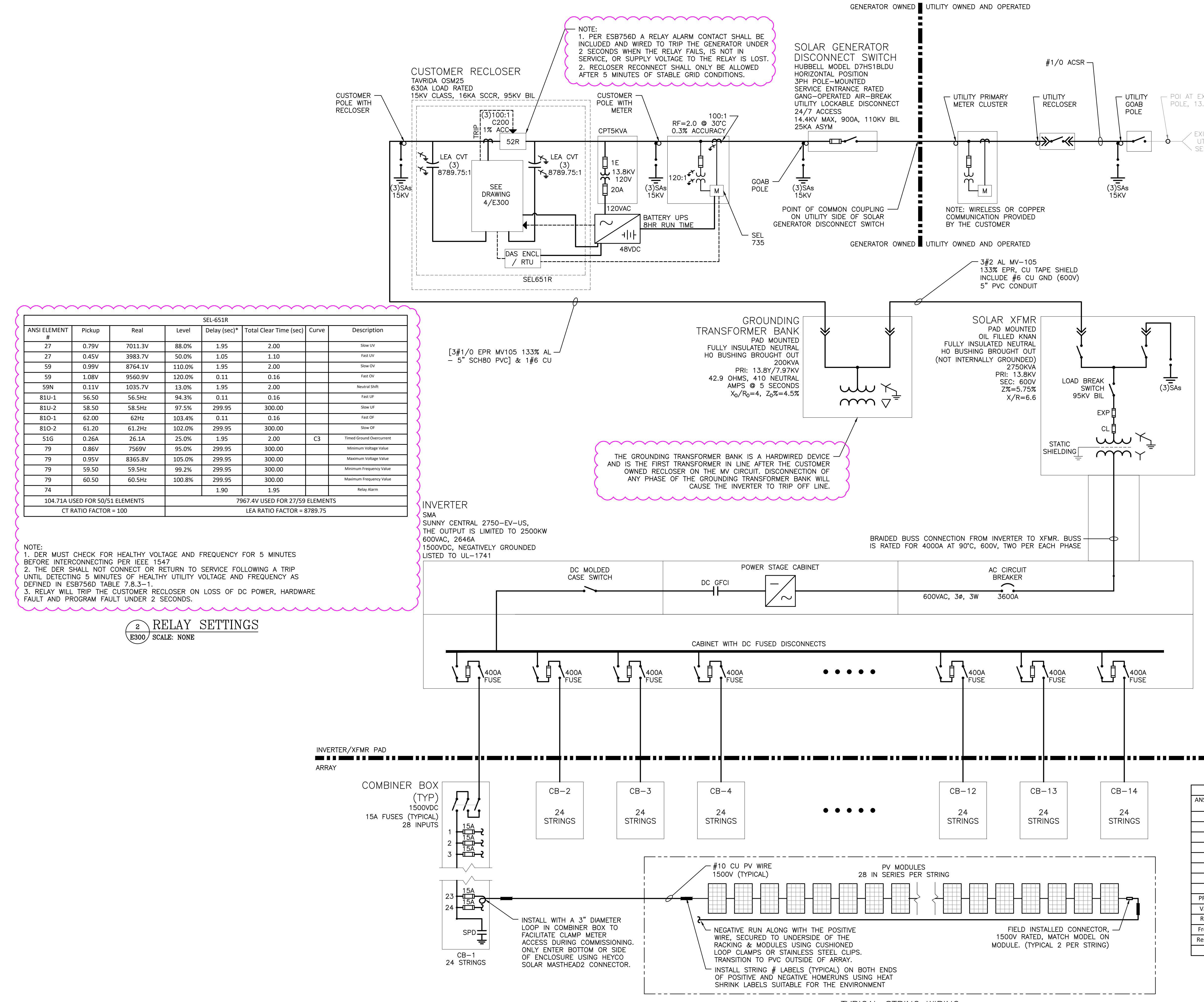
Drawing Title:  
**LIMITED CONTENT  
BOUNDARY SURVEY  
WITH EXISTING CONDITIONS  
AND TOPOGRAPHY**

Drawing Number:  
**L-1**

Sheet 2 of 2
Project Number: <b>19178.0</b>
Survey Index: <b>25 - 16 - 18 &amp; 19</b>

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TE: THE INVERTER OUTPUT IS LIMITED  
2500KVA VIA FACTORY SETTING.

SYSTEM SUMMARY	
SYSTEM SIZE	3,393.04 KW
SYSTEM SIZE	2,500.00 KW
ODULE QTY	9,296
ODULE TYPE	TRINA SOLAR TSM-DE14A 365W
ERTER	SMA SC2750-EV-US
ERTER QTY	1
MUTH/TILT	180° / 20°

# INVERTER SETTINGS