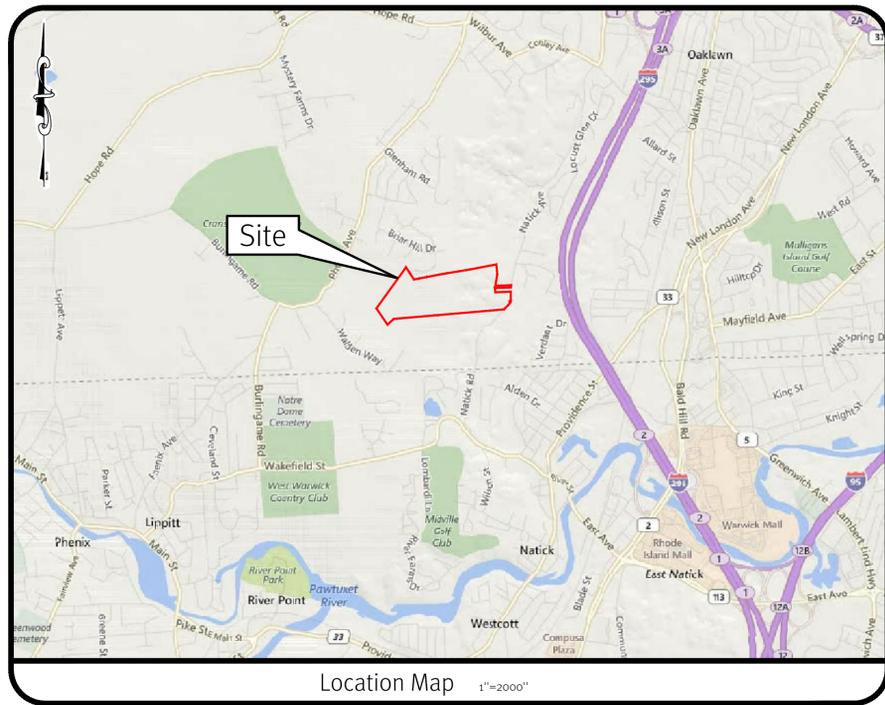


Development Plan Review & Preliminary Plan Submission

Natick Avenue Solar

Located on Natick Avenue
Cranston, Rhode Island

Assessor's Plat 22-3 Lots 108 & 119



Sheet List Table

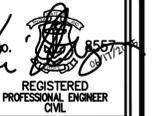
- 1 Cover Sheet
- 2 Half Mile Radius Aerial & USGS Map
- 3 General Notes & Legend
- 4 Existing Conditions Plan
- 5 Site Layout Plan
- 6 Site Development Plan
- 7 Soil Erosion and Sediment Control Plan
- 8 BMP Details - A & E
- 9 BMP Details - B & H
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Landscape Plans-

- Prepared by John C. Carter & Co., Inc.
- (1 of 6) Buffer Plan
 - (2 of 6) Cross Sections 1, 2, & 3
 - (3 of 6) Cross Sections 4, 5, & 6
 - (4 of 6) Cross Sections 7, 8, & 9
 - (5 of 6) Cross Sections 10, 11, & 12
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SESC / O&M

The Soil Erosion and Sediment Control Plan (SESC) and Operations and Maintenance Plan (O&M) are required documents with this plan set and must be maintained by the contractor and owner onsite.



THIS PLAN SET MUST NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS IT IS APPROVED BY THE REGISTERED PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING.

DIPRETE ENGINEERING ONLY WARRANTS PLANS ON A DIPRETE PROFESSIONAL ENGINEER OF DIPRETE ENGINEERING. DIPRETE ENGINEERING DOES NOT WARRANT PLANS OF ANY OTHER PARTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL METHODS, SAFETY PRECAUTIONS AND REQUIREMENTS, AND OSHA DESIGN REQUIREMENTS IN THE IMPLEMENTATION OF THIS PLAN AND DESIGN.

EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR OBTAINING OR VERIFYING THE LOCATION OF ANY UTILITIES. SEE UTILITY NOTE ON SHEET 3.

| NO. | DATE | DESCRIPTION | BY | DESIGN BY |
|-----|------------|-----------------------|-----|-----------|
| 1 | 12/18/2025 | Preliminary Comments | SKK | SKK |
| 2 | 12/18/2025 | Final Plan Submission | SKK | SKK |
| 3 | 12/18/2025 | Final Plan Submission | SKK | SKK |
| 4 | 12/18/2025 | Final Plan Submission | SKK | SKK |
| 5 | 12/18/2025 | Final Plan Submission | SKK | SKK |
| 6 | 12/18/2025 | Final Plan Submission | SKK | SKK |

General Notes:

- THE SITE IS LOCATED ON THE CITY OF CRANSTON ASSessor'S PLAT 22-3 LOTS 108 AND 119.
- THE SITE IS APPROXIMATELY 64.03 ACRES AND IS ZONED A-80.
- THE OWNER OF AP 22-3 LOTS 108 AND 119 IS: RONALD ROSSI, 1925 PHOENIX AVE, CRANSTON, RI 02920
- THIS SITE IS LOCATED IN FEMA FLOOD ZONES X UNSHADED. REFERENCE FEMA FLOOD INSURANCE RATE MAP 44007C04076 & 44007C02464H, MAPS REVISED OCTOBER 2, 2015. (FLOOD PLAIN DESCRIPTIONS SHOWN BELOW)
ZONE X (UNSHADED) - THIS SITE IS LOCATED IN FEMA FLOOD ZONE X. ZONE X ARE AREAS WHERE THERE IS MINIMAL FLOODING.
- THE BOUNDARY LINE AS SHOWN ON THIS PLAN DEPICTS THE RESULTS OF A CLASS I BOUNDARY RETRACEMENT SURVEY AS PERFORMED BY DIPRETE ENGINEERING ASSOCIATES, INC. THIS PLAN IS NOT TO BE CONSTRUED AS A CLASS I BOUNDARY RETRACEMENT SURVEY PLAN AND IS NOT SUITABLE FOR RECORDING AS A CLASS I STANDARD SURVEY PLAN. PLEASE REFER TO THE BOUNDARY SURVEY AT THE END OF THIS PLANSET.
- THE SITE IS NOT WITHIN A: GROUNDWATER PROTECTION AREA (RIDEM) NATURAL HERITAGE AREA (RIDEM) GROUNDWATER PROTECTION OVERLAY DISTRICT (TOWN)
- THE FOLLOWING DOCUMENTS ARE CONSIDERED PART OF THE PROJECT PLANS AND THE CONTRACTOR/OWNER MUST MAINTAIN THESE DOCUMENTS AS PART OF A FULL PLAN SET:
 - SOIL EROSION AND SEDIMENT CONTROL PLAN (SESC). THE SESC CONTAINS THE FOLLOWING:
 - EROSION CONTROL MEASURES
 - SHORT TERM MAINTENANCE
 - ESTABLISHMENT OF VEGETATIVE COVER
 - CONSTRUCTION POLLUTION PREVENTION
 - SEQUENCE OF CONSTRUCTION
 - OPERATION & MAINTENANCE PLAN (O&M). THE O&M CONTAINS:
 - LONG TERM MAINTENANCE
 - LONG TERM POLLUTION PREVENTION
- THE SITE DOES NOT REQUIRE ANY WATER OR SEWER SERVICE.
- ALL PROPOSED CRUSHED STONE ACCESS PATHS ARE TO BE 20' WIDE.
- NO LIGHTING IS PROPOSED ON-SITE.
- TEST PITS AND SOIL EVALUATIONS WERE COMPLETED BY DIPRETE ENGINEERING ON FEBRUARY 21, 2019.
- WETLANDS ON THIS SITE WERE FLAGGED BY NATURAL RESOURCE SERVICES, INC. (NRS). REFER TO THE NRS REPORT DATED JULY 11, 2018.
- THIS PLAN SET REFERENCES RIDOT STANDARD DETAILS (DESIGNATED AS RIDOT STD X.X.X). RIDOT STANDARD DETAILS ARE AVAILABLE FROM RIDOT AND ONLINE AT: HTTP://WWW.DOT.RI.GOV/BUSINESS/CONTRACTORSANDCONSULTANTS.PHP.

Soil Information:

(REFERENCE: USDA NATURAL RESOURCES CONSERVATION SERVICE)

SOIL NAME DESCRIPTION

| | |
|-----|--|
| CAD | CANTON-CHARLTON-ROCK OUTCROP COMPLEX, IS TO 35 PERCENT SLOPES |
| CEC | CANTON AND CHARLTON FINE SANDY LOAMS, VERY ROCKY, 3 TO 15 PERCENT SLOPES |
| CHB | CANTON AND CHARLTON VERY STONY FINE SANDY LOAMS, 3 TO 8 PERCENT SLOPES |
| RF | RIDGEBURY, WHITMAN, AND LEICESTER EXTREMELY STONY FINE SANDY LOAMS |
| WCB | WAPPING VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES |

Soil Erosion and Sedimentation Control Notes:

- ALL EROSION CONTROL, TEMPORARY SWALES, TEMPORARY SEDIMENT TRAPS, ETC. MUST BE INSTALLED PER THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (LATEST EDITION) AND THE SOIL EROSION AND SEDIMENT CONTROL PLAN (SESC).
- TEMPORARY SWALES MUST BE USED TO CONTROL RUNOFF DURING CONSTRUCTION OF THE PROPOSED ROADWAY. TEMPORARY SWALES MUST BE VEGETATED AFTER CONSTRUCTION. EROSION CONTROL MATS MUST BE INSTALLED IF NECESSARY TO PREVENT EROSION AND SUPPORT VEGETATION. AFTER CONSTRUCTION IS COMPLETE AND TRIBUTARY AREAS TO THE SWALES HAVE BEEN STABILIZED, THE TEMPORARY SWALES MUST BE CLEARED AND FINAL CONSTRUCTION, INCLUDING INSTALLATION OF THE GRASS SWALE MUST BE PER THE DESIGN PLANS.
- ONCE THE SEDIMENT TRAPS ARE NO LONGER REQUIRED AND ALL TRIBUTARY AREAS HAVE BEEN STABILIZED, THE SEDIMENT TRAPS MUST BE CLEANED AND BROUGHT TO FINAL DESIGN GRADES.
- SEE SECTION 2.2 OF THE SESC FOR SEQUENCE OF CONSTRUCTION ACTIVITY, AND PROJECT PHASING.
- CONTRACTOR MAY MODIFY SEQUENCE OF CONSTRUCTION WITH APPROVAL FROM DESIGN ENGINEER.
- AS NOTED IN THE OPERATION & MAINTENANCE PLAN, IF SOIL EROSION IS OBSERVED BELOW THE DRIP EDGE OF THE SOLAR PANELS, TURF REINFORCEMENT MUST BE INSTALLED PER ENGINEER-APPROVED MANUFACTURER SPECIFICATIONS, ALONG AND DOWNGRADIENT OF ALL DRIP EDGES WHERE EROSION IS OBSERVED.

General Notes - Gas Pipeline Easement

- PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST MARK OUT AND COORDINATE WITH THE TENNESSEE GAS COMPANY (TGC) PRIOR TO CUTTING ANY TREES ALONG THE SOUTHERN PROPERTY LINE.
- PRIOR TO CLEARING ALONG THE SOUTHERN PROPERTY LINE, CONTRACTOR MUST ERECT A LINE OF ORANGE SNOW FENCE ALL ALONG THE NORTHERN LIMIT OF THE TGC PIPELINE EASEMENT.
- PRIOR TO CONSTRUCTION, CONTRACTOR MUST EMPLOY APPROPRIATE CONSTRUCTION PROTECTION MATS FOR EQUIPMENT TRAVELING OVER THE TGC PIPELINE EASEMENT. CONTRACTOR MUST COORDINATE WITH TGC PRIOR TO INSTALLING CONSTRUCTION PROTECTION MATS.
- WHILE CLEARING ALONG THE SOUTHERN PROPERTY LINE, CONTRACTOR MUST ENSURE THAT FELLEED TREES DO NOT FALL WITHIN THE TGC PIPELINE EASEMENT.
- CONTRACTOR MUST ERECT THE PERMANENT FENCE ALONG THE SOUTHERN PROPERTY LINE AS SOON AS POSSIBLE.
- ANY BLASTING WITHIN 300 FEET OF THE TGC PIPELINE EASEMENT MUST BE APPROVED BY TGC. MAXIMUM ALLOWABLE PEAK PARTICLE VELOCITY IS 1.0 INCHES/SEC.

Grading and Utility Notes:

- THE CONTRACTOR IS RESPONSIBLE FOR ALL SOIL EROSION AND SEDIMENT CONTROL ON-SITE. THE CONTRACTOR IS TO NOTIFY THE DESIGN ENGINEER, THE DIRECTOR OF PUBLIC WORKS, THE TOWN ENGINEER, AND RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR MUST OBTAIN ALL FEDERAL, STATE AND MUNICIPAL APPROVALS PRIOR TO THE START OF CONSTRUCTION.
- CONSTRUCTION TO COMMENCE SPRING 2026 OR UPON RECEIPT OF ALL NECESSARY APPROVALS.
- ALL WORK PERFORMED HEREIN IS TO BE GOVERNED BY CURRENT EDITIONS OF THE RHODE ISLAND STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND CITY OF CRANSTON STANDARD SPECIFICATIONS AND DETAILS.
- THE CONTRACTOR MUST COORDINATE WITH ALL OF THE APPROPRIATE UTILITY COMPANIES FOR AGREEMENTS TO SERVICE THE PROPOSED BUILDING. THIS MUST BE DONE PRIOR TO CONSTRUCTION. NO REPRESENTATIONS ARE MADE BY DIPRETE ENGINEERING THAT UTILITY SERVICE IS AVAILABLE.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING FINISH GRADING AND DRAINAGE AROUND THE STRUCTURES TO ENSURE SURFACE WATER AND/OR GROUNDWATER ARE DIRECTED AWAY FROM THE STRUCTURE.
- PRIOR TO START OF CONSTRUCTION, CONTRACTOR MUST VERIFY EXISTING PAVEMENT ELEVATIONS AT INTERFACE WITH PROPOSED PAVEMENTS, AND EXISTING GROUND ELEVATIONS ADJACENT TO DRAINAGE OUTLETS TO ASSURE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED FACILITIES. CONTRACTOR MUST NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- ALL PROPOSED UTILITIES SERVING THE SITE AND BUILDINGS MUST BE COORDINATED WITH APPLICANT, ARCHITECT, AND ENGINEER PRIOR TO INSTALLATION.
- ALL TRAFFIC CONTROL MUST CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION INCLUDING ALL REVISIONS.
- ALL PROPOSED UTILITIES SERVING THE SITE AND BUILDINGS MUST BE COORDINATED WITH APPLICANT, ARCHITECT, AND ENGINEER PRIOR TO INSTALLATION.
- ALL EXCESS SOIL, TREES, ROCKS, BOULDERS, AND OTHER REFUSE, MUST BE DISPOSED OFF SITE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. STUMPS MUST BE GROUND ON SITE OR REMOVED.
- NO STUMP DUMPS ARE PROPOSED ON SITE.
- ALL EXISTING UTILITIES SHOWN ARE FROM VISIBLE INFORMATION, DRAWINGS FROM OTHERS, OR INFORMATION PROVIDED TO DIPRETE ENGINEERING AND ARE SUBJECT TO CHANGE. THE LOCATIONS OF UNDERGROUND PIPES AND CONDUITS HAVE BEEN DETERMINED FROM AFOREMENTIONED PLANS OF RECORD AND ARE APPROXIMATE ONLY. PRIOR TO CONSTRUCTION, THE PROPER UTILITY ENGINEERING DEPARTMENTS MUST BE CONTACTED AND THE ACTUAL LOCATION OF SUBSURFACE STRUCTURES MUST BE DETERMINED IN THE FIELD BY THE CONTRACTOR. CALL THE DIG SAFE CENTER TOLL FREE AT 1-888-344-7233 IN MA, ME, NH, RI, & VT PRIOR TO EXCAVATION. NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES PRIOR TO EXCAVATION. ANY DAMAGE TO UTILITIES WHICH ARE SHOWN ON THE PLANS OR DETAILED BY DIG SAFE MUST BE THE SITE CONTRACTORS RESPONSIBILITIES.
- IF CONCRETE TRUCKS ARE WASHED OUT ON-SITE, ALL WASHOUT MUST BE COMPLETED IN THE DESIGNATED CONCRETE WASHOUT AREA.
- ALL DRAINAGE PIPE INSTALLED WITHIN THE SEASONAL HIGH GROUNDWATER TABLE MUST BE WATER TIGHT.

Lidar Note:

CONTOUR DATA SHOWN ON THIS PLAN CONFORMS TO A T-4 TOPOGRAPHICAL SURVEY STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. SAID DATA IS BASED ON ELEVATION INFORMATION THAT WAS COLLECTED WITH AIRBORNE LIDAR TECHNOLOGY FOR THE ENTIRE AREA OF RHODE ISLAND BETWEEN APRIL 22 AND MAY 6, 2011 AS PART OF THE NORTHEAST LIDAR PROJECT. THIS DATA'S POSITIONAL ACCURACY AND RELIABILITY HAS NOT BEEN VERIFIED BY DIPRETE ENGINEERING AND IS SUBJECT TO CHANGES AN AUTHORITY FIELD SURVEY MAY DISCLOSE.

GRADING, DRAINAGE, AND UTILITY NOTES:

- CONSTRUCTION TO COMMENCE SPRING 2026 OR UPON RECEIPT OF ALL NECESSARY APPROVALS.
- THE CONTRACTOR MUST COORDINATE WITH ALL OF THE APPROPRIATE UTILITY COMPANIES FOR AGREEMENTS TO SERVICE THE PROPOSED BUILDING. THIS MUST BE DONE PRIOR TO CONSTRUCTION. NO REPRESENTATIONS ARE MADE BY DIPRETE ENGINEERING THAT UTILITY SERVICE IS AVAILABLE.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING FINISH GRADING AND DRAINAGE AROUND THE BUILDING TO ENSURE SURFACE WATER AND/OR GROUNDWATER IS DIRECTED AWAY FROM THE STRUCTURE.
- PRIOR TO START OF CONSTRUCTION, CONTRACTOR MUST VERIFY EXISTING PAVEMENT ELEVATIONS AT INTERFACE WITH PROPOSED PAVEMENTS, AND EXISTING GROUND ELEVATIONS ADJACENT TO DRAINAGE OUTLETS TO ASSURE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED FACILITIES. CONTRACTOR MUST NOTIFY THE CEOR OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- ALL PROPOSED UNDERGROUND UTILITIES SERVING THE SITE AND BUILDINGS MUST BE COORDINATED WITH OWNER, ARCHITECT, AND ENGINEER PRIOR TO INSTALLATION.
- ALL RETAINING WALLS AND STEEP SLOPES ARE SUBJECT TO FINAL STRUCTURAL DESIGN. DIPRETE ENGINEERING IS NOT PROVIDING THE STRUCTURAL DESIGN OF THESE ITEMS. ALL WALLS AND STEEP SLOPES MUST BE DESIGNED AND BUILT UNDER THE DIRECTION OF A RHODE ISLAND LICENSED PROFESSIONAL ENGINEER SUITABLY QUALIFIED IN GEOTECHNICAL ENGINEERING AND CERTIFIED TO THE OWNER PRIOR TO THE COMPLETION OF THE PROJECT. SHOP DRAWINGS MUST BE SUBMITTED PRIOR TO CONSTRUCTION. FINAL STRUCTURAL DESIGN MUST INCORPORATE THE INTENT OF THE GRADING SHOWN ON THESE PLANS AND ALL WORK MUST BE WITHIN THE LIMIT OF DISTURBANCE SHOWN ON THE PLANS.
- ALL CUT AND FILL WORK MUST BE DONE UNDER THE DIRECTION OF A PROFESSIONAL GEOTECHNICAL ENGINEER, WITH TESTING AND CERTIFICATION PROVIDED TO THE OWNER AT THE COMPLETION OF THE PROJECT. DIPRETE ENGINEERING IS NOT PROVIDING THE FILL SPECIFICATION, GEOTECHNICAL ENGINEERING, STRUCTURAL ENGINEERING SERVICES, OR SUPERVISION AS PART OF THESE DRAWINGS.
- MATERIAL STOCKPILES MUST NOT BE LOCATED IN THE RIGHT-OF-WAY, AND TRENCHES MUST NOT BE LEFT OPEN OVERNIGHT.
- ALL LOAM IN DISTURBED AREAS MUST BE STOCKPILED FOR FUTURE USE. ALL STOCKPILED LOAM MUST BE REUSED ON-SITE.
- TOPSOIL PRESERVATION
 - TO THE EXTENT PRACTICABLE, THE AREAS OF A PARCEL TO BE DISTURBED SHALL BE MINIMIZED.
 - DISTURBED AREAS SHALL BE STABILIZED IN A TIMELY MANNER BY SEEDING OR PLANTING LANDSCAPING MATERIALS.
 - TOPSOIL MOVED DURING SITE WORK SHALL BE STOCKPILED IN DESIGNATED AREAS THAT ARE STABILIZED TO PREVENT EROSION AND REUSED IN ACCORDANCE WITH THE LANDSCAPE PLAN.
- ALL EXCESS SOIL, TREES, ROCKS, BOULDERS, AND OTHER REFUSE, MUST BE DISCARDED OFF SITE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. STUMPS MUST BE GROUND ON SITE OR REMOVED.
- ALL DRAINAGE OUTFALLS ARE DESIGNED TO BE INSTALLED AT EXISTING GROUND ELEVATION. CONTRACTOR MUST IMMEDIATELY NOTIFY THE CEOR OF ANY DISCREPANCIES WHERE EXISTING GROUND IS HIGHER THAN OUTFALL DESIGN ELEVATION. ANY RESOLUTION OF DISCREPANCIES BY THE CONTRACTOR, UNLESS AUTHORIZED IN WRITING IN ADVANCE BY THE OWNER AND THE CEOR, IS DONE AT THE CONTRACTOR'S RISK.
- CONTRACTOR MUST PROVIDE SAW CUTTING AND FULL DEPTH PAVEMENT RESTORATION IN AREAS WHERE PAVEMENT AND/OR SIDEWALK IS REMOVED FOR UTILITY INSTALLATION.
- CONTRACTOR MUST HOLD/ SUPPORT/ RESTORE ALL EXISTING UTILITY COMPONENTS INCLUDING (BUT NOT LIMITED TO) POLES, MAST ARMS AND ABOVEGROUND OBJECTS AS NECESSARY DURING THE PROPOSED WORKS AND ELECTRICAL INSTALLATION. CONTRACTOR MUST COORDINATE SAID WORKS WITH ALL ASSOCIATED UTILITY OWNERS ACCORDINGLY. ANY EXISTING ITEMS DAMAGED OR REMOVED AS INCIDENTAL DURING UTILITY CONNECTION/ ELECTRICAL INSTALLATION INCLUDING (BUT NOT LIMITED TO) CURB IN THE ROW MUST BE REPLACED IN KIND FOLLOWING COMPLETION OF WORKS.

- DRAINAGE**
ALL DRAINAGE PIPING MUST BE HIGH-DENSITY POLYETHYLENE (HDPE), OR EQUAL, WITH WATERTIGHT JOINTS WITHIN THE SEASONAL HIGH GROUNDWATER TABLE, UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS. ALL DRAINAGE STRUCTURES MUST BE WATERTIGHT. ALL STORMWATER PIPE WITHIN THE STATE'S RIGHT-OF-WAY MUST BE REINFORCED CONCRETE PIPE (RCP).
- DRAINAGE STRUCTURES MUST BE AS FOLLOWS (UNLESS OTHERWISE NOTED ON PLANS):
- CATCH BASINS NOT ALONG CURBING: RIDOT STD 4.4.0, 4' DIAMETER
 - CATCH BASINS MUST HAVE 3 FT STUMPS WITHOUT SEEP HOLES
 - SINGLE FRAME CATCH BASIN GRATES: RIDOT STD 6.3.2
 - DROP INLETS: RIDOT STD 4.5.0, 4.5.1 OR 4.5.2
 - APRON STONE, WHERE REQUIRED: RIDOT STD 7.1.7 OR 7.1.8
 - HEADWALLS: RIDOT STD 2.1.0 IF NEEDED
 - FOR ALL OTHER DRAINAGE STRUCTURES: IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE APPROPRIATE STRUCTURE TOP REQUIRED (E.G. CONE TOP, FLAT TOP ETC) TO MEET THE DESIGN PARAMETERS AS SHOWN ON THESE PLANS, INCLUDING (BUT NOT LIMITED TO) THE RELATIONSHIP BETWEEN FINISH SURFACE ELEVATION/ DEPTH TO PIPE INVERTS AND MEETING MANUFACTURER/ AHJ REQUIREMENTS & SPECIFICATIONS.

ELECTRIC
PROPOSED ELECTRIC UTILITIES ARE SHOWN SCHEMATICALLY AND ARE PROPOSED TO BE UNDERGROUND. OWNER AND CONTRACTOR MUST COORDINATE FINAL DESIGN WITH APPROPRIATE UTILITY COMPANIES. ALL WORK MUST BE IN ACCORDANCE WITH EACH UTILITY COMPANY'S STANDARDS AND DETAILS AS WELL AS LOCAL AND FEDERAL REGULATIONS. THIS INCLUDES BUT IS NOT LIMITED TO POLES, TRANSFORMERS, FULL BOXES, CONCRETE PADS, CONCRETE ENCASEMENTS AND CONDUITS. CONNECTION POINTS FOR ELECTRIC AND TELECOM UTILITIES, AT THE EXISTING INFRASTRUCTURE, ARE CURRENTLY SHOWN AS UNDERGROUND UTILITIES. THESE UTILITIES MAY BE UNDERGROUND OR OVERHEAD AND MUST BE COORDINATED WITH RI ENERGY PRIOR TO CONSTRUCTION.

SITE LIGHTING
NO NEW SITE LIGHTING FACILITIES ARE PROPOSED.

ABBREVIATIONS LEGEND

| | | | |
|-------|--|-------|---|
| ADA | AMERICANS WITH DISABILITY ACT | N/F | NOW OR FORMERLY |
| AHJ | AUTHORITY HAVING JURISDICTION | OHW | OVERHEAD WIRE |
| AP | ASSESSOR'S PLAT | PE | POLYETHYLENE |
| ARCH | ARCHITECT | PL | PROPERTY LINE |
| BC | BOTTOM OF CURB | PR | PROPOSED |
| BT | BUILDING | PVC | POLYVINYL CHLORIDE |
| BIT | BITUMINOUS (BERM) | R | RADIUS |
| BIO | BIORETENTION | RBD | REMOVE AND DISPOSE |
| BS | BASEMENT SLAB ELEVATION | RCP | REINFORCED CONCRETE PIPE |
| BW | FINISHED GRADE AT BOTTOM OF WALL | RHB | RHODE ISLAND |
| CB | CATCH BASIN | RL | HIGHWAY BOUND |
| (C) | CALCULATED | RL | ROOF LEADER |
| CL | CENTERLINE | ROW | RIGHT-OF-WAY |
| (CA) | CHORD ANGLE | S | SLOPE |
| CEOR | CIVIL ENGINEER OF RECORD. DIPRETE ENGINEERING UNLESS DESIGNATED OTHERWISE BY OWNER | SD | SUBDRAIN |
| CLDIP | CONCRETE LINED DUCTILE IRON PIPE | SED | SEDIMENT FOREBAY |
| CO | CLEAN OUT | SF | SQUARE FOOT |
| CONC | CONCRETE | SFL | STATE FREEWAY LINE |
| (D) | DEED | SFM | SEWER FORCE MAIN |
| DCB | DOUBLE CATCH BASIN | SG | SLAB ON GRADE ELEVATION |
| DI | DROP INLET | SHL | STATE HIGHWAY LINE |
| DMH | DRAINAGE MANHOLE | SMH | SEWER MANHOLE |
| DP | DETENTION POND | SNDF | SAND FILTER |
| ELEV | ELEVATION | SS | SIDE SLOPE |
| EGP | EDGE OF PAVEMENT | STA | STATION |
| ESC | EROSION AND SEDIMENT CONTROL | TC | TOP OF CURB |
| EX | EXISTING | TF | TOP OF FOUNDATION |
| FES | FLARED END SECTION | TRANS | TRANSITION |
| FFE | FINISH FLOOR ELEVATION | TW | TOP OF WALL (FINISHED GRADE AT TOP OF WALL) |
| GS | GARAGE SLAB ELEVATION | TYP | TYPICAL |
| GW | GROUND WATER TABLE | UDS | UNDERGROUND |
| HW | HEADWALL | UDS | DETENTION SYSTEM |
| HC | HIGH CAPACITY CATCH BASIN GRATE | UIS | UNDERGROUND |
| HOPE | HIGH DENSITY POLYETHYLENE | UIS | INFILTRATION SYSTEM |
| ID | INLINE DRAIN | UP | UTILITY POLE |
| INV | INVERT | WQ | WALKOUT ELEVATION |
| IP | INFILTRATION POND | WQ | WATER QUALITY |
| LARCH | LANDSCAPE ARCHITECT | | |
| LF | LINEAR FEET | | |
| LOD | LIMIT OF DISTURBANCE | | |
| LP | LIGHT POLE | | |
| (M) | MEASURED | | |
| MEP | MECHANICAL/ELECTRICAL/ PLUMBING ENGINEER | | |

Existing Legend

NOT ALL ITEMS SHOWN WILL APPEAR ON PLANS

| | | | |
|--|------------------------|--|-----------------------|
| | PROPERTY LINE | | NAIL FOUND/SET |
| | ASSESSOR'S LINE | | DRILL HOLE FOUND/SET |
| | BUILDING | | BOUND FOUND/SET |
| | BRUSHLINE | | SIGN |
| | TREELINE | | BOLLARD |
| | GUARDRAIL | | SOIL EVALUATION |
| | FENCE | | CATCH BASIN |
| | RETAINING WALL | | DOUBLE CATCH BASIN |
| | STONE WALL | | DRAINAGE MANHOLE |
| | PATH | | FLARED END SECTION |
| | MINOR CONTOUR LINE | | GUY POLE |
| | MAJOR CONTOUR LINE | | ELECTRIC MANHOLE |
| | WATER LINE | | UTILITY/POWER POLE |
| | SEWER LINE | | LIGHTPOST |
| | SEWER FORCE MAIN | | SEWER/SEPTIC MANHOLE |
| | GAS LINE | | SEWER VALVE |
| | ELECTRIC LINE | | CLEANOUT |
| | OVERHEAD WIRES | | HYDRANT |
| | DRAINAGE LINE | | IRRIGATION VALVE |
| | SOILS LINES | | WATER VALVE |
| | 50' PERIMETER WETLAND | | WELL |
| | 100' RIVERBANK WETLAND | | MONITORING WELL |
| | 200' RIVERBANK WETLAND | | UNKNOWN MANHOLE |
| | FEMA BOUNDARY | | GAS VALVE |
| | TYPICAL | | BENCH MARK |
| | STREAM | | STREAM FLOW DIRECTION |

Proposed Legend

NOT ALL ITEMS SHOWN WILL APPEAR ON PLANS

| | | | |
|--|---------------------------------------|--|--|
| | DRAINAGE LINE | | SEDIMENTATION BARRIER |
| | PERFORATED SUBDRAIN | | SILT FENCE (RIDOT STD 9.2.0) |
| | SWALE | | COMPOST STOCK OR APPROVED EQUAL |
| | SEWER FORCE MAIN | | UNDERGROUND STORMWATER MANHOLE 3:1 (2-1 OR 1-1 SLOPES) |
| | GAS LINE | | POND ACCESS |
| | WATER LINE | | RIPRAP |
| | HYDRANT ASSEMBLY | | SAND FILTER |
| | WATER SHUT OFF | | BIO RETENTION |
| | THRUST BLOCK | | CATCH BASIN |
| | SEWER LINE | | DOUBLE CATCH BASIN |
| | OVERHEAD WIRE | | MANHOLE |
| | ELECTRIC, TELEPHONE, CABLE LINE | | FLARED END SECTION |
| | SPOT ELEVATION | | HEADWALL |
| | EDGE OF PAVEMENT | | BUILDING INGRESS/EGRESS |
| | BITUMINOUS BERM (RIDOT STD 7.5.1) | | ELECTRIC UTILITY POLE |
| | CONCRETE CURB (RIDOT STD 7.1.0) | | SOLAR ARRAY (TYP) |
| | BUILDING FOOTPRINT | | Zone A80 |
| | BUILDING OVERHANG | | Zone A8 |
| | ASPHALT PAVEMENT | | |
| | HEAVY DUTY ASPHALT PAVEMENT | | |
| | HEAVY DUTY CONCRETE | | |
| | CONCRETE | | |
| | ASPHALT SIDEWALK | | |
| | SAWCUT LINE | | |
| | SIGN (RIDOT STD 24.6.2 AS APPLICABLE) | | |
| | SINGLE LIGHT | | |
| | DOUBLE LIGHT | | |
| | OVERHANGING LIGHT | | |
| | ACCESSIBLE PARKING SPACE SYMBOLS | | |
| | BUILDING INGRESS/EGRESS | | |
| | ELECTRIC UTILITY POLE | | |

UTILITY NOTE:

ALL UNDERGROUND UTILITIES SHOWN ON THESE PLANS WERE PROVIDED BY OTHERS AND ARE APPROXIMATE ONLY. LOCATIONS MUST BE DETERMINED IN THE FIELD BEFORE EXCAVATION, BLASTING, UTILITY INSTALLATION, BACKFILLING, GRADING, PAVEMENT RESTORATION, AND ALL OTHER SITE WORK. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE CONTACTED INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THESE DOCUMENTS. CONTACT DIG SAFE A MINIMUM OF 72 WORKING HOURS PRIOR TO ANY CONSTRUCTION AT 811. DIG SAFE IS RESPONSIBLE FOR CONTACTING MEMBER UTILITY COMPANIES. DIG SAFE MEMBER UTILITY COMPANIES ARE RESPONSIBLE TO MARK ONLY THE FACILITIES THAT THEY OWN OR MAINTAIN. NON DIG SAFE MEMBER COMPANIES ARE NOT NOTIFIED BY DIG SAFE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE AND NOTIFY IF ANY PRIVATELY OWNED OR NON DIG SAFE MEMBER UTILITIES ARE IN THE AREA.

PER THE CODE OF FEDERAL REGULATIONS - TITLE 29, PART 1926 IT IS THE SITE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ACCURATE UNDERGROUND UTILITY LINE LOCATIONS FROM THE UTILITY COMPANIES, UTILITY OWNERS AND, OR VIA UNDERGROUND UTILITY LOCATION EQUIPMENT AS NEEDED TO ESTABLISH ACCURATE LOCATIONS PRIOR TO ANY EXCAVATION. THE USE OF PROFESSIONAL UTILITY LOCATING COMPANIES PRIOR TO ANY EXCAVATION IS RECOMMENDED.

DIPRETE ENGINEERING IS NOT A PROFESSIONAL UTILITY LOCATION COMPANY, AND IS NOT RESPONSIBLE FOR UNDERGROUND UTILITIES, DEPICTED OR NOT, EITHER IN SERVICE OR ABANDONED. ANY SIZES, LOCATIONS, EXISTENCE, OR LACK OF EXISTENCE TO UTILITIES SHOWN ON THESE PLANS SHOULD BE CONSIDERED APPROXIMATE UNTIL VERIFIED BY A PROFESSIONAL UTILITY LOCATION COMPANY. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED.

PERMIT NOTE:

THE PURPOSE OF THIS PLAN SET IS TO OBTAIN A PERMIT FROM THE REGULATORY AGENCY IT WAS SUBMITTED TO. THIS PLAN SET CONTAINS THE REQUIRED INFORMATION NECESSARY FOR APPROVAL BY THE SPECIFIC AGENCY IT WAS SUBMITTED TO AND MAY NOT HAVE INFORMATION NECESSARY FOR OTHER REGULATORY AGENCIES. THIS PLAN SET MUST NOT BE CONSTRUED AS A FULL CONSTRUCTION OR BID SET. ADDITIONAL DETAIL IS REQUIRED FOR CONSTRUCTION AND BID DOCUMENTS, SUCH AS (BUT NOT LIMITED TO) FINE GRADING, GRADING BETWEEN THE CONTOUR INTERVAL, ADDITIONAL SURVEY/MAPPING, BUILDING SHAPE/ LOCATION, ADA UTILITY CONNECTIONS, UTILITY CROSSING AND GROUND WATER MITIGATION, SOIL STABILITY AND CONSISTENCY, SPECIFIC END USER NEEDS, CONSTRUCTABILITY ISSUES, ETC. ANY USER OF THESE PLANS SHOULD UNDERSTAND THIS LIMITATION.

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REGISTERED PROFESSIONAL ENGINEER CIVIL

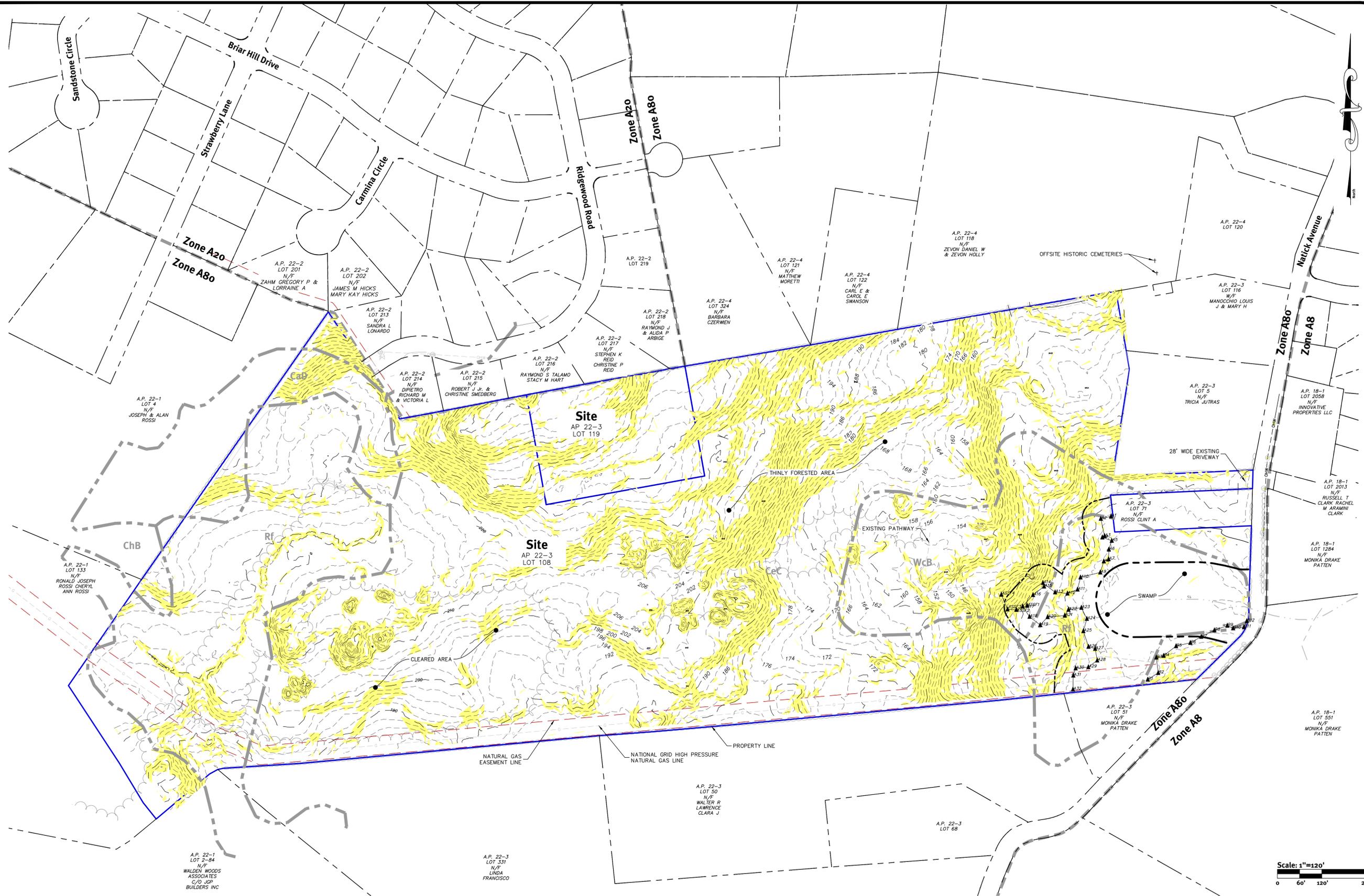
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| | | |
|------------|-------------|-----|
| DATE | DESCRIPTION | BY |
| 05/07/2025 | DESIGN | SKK |

General Notes & Legend
Natick Avenue Solar
Assessor's Plat 22-3 Lots 108 & 119
Cranston, Rhode Island
Natick Solar, LLC
349 Centerville Road, Warwick, Rhode Island 02886
tel: 781-371-2001

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Existing Conditions Note:

SEE SHEET 13 FOR CLASS I BOUNDARY SURVEY.

| STEEP SLOPES TABLE | |
|--------------------|--------|
| SLOPE | COLOR |
| 1 >15.00% | Yellow |

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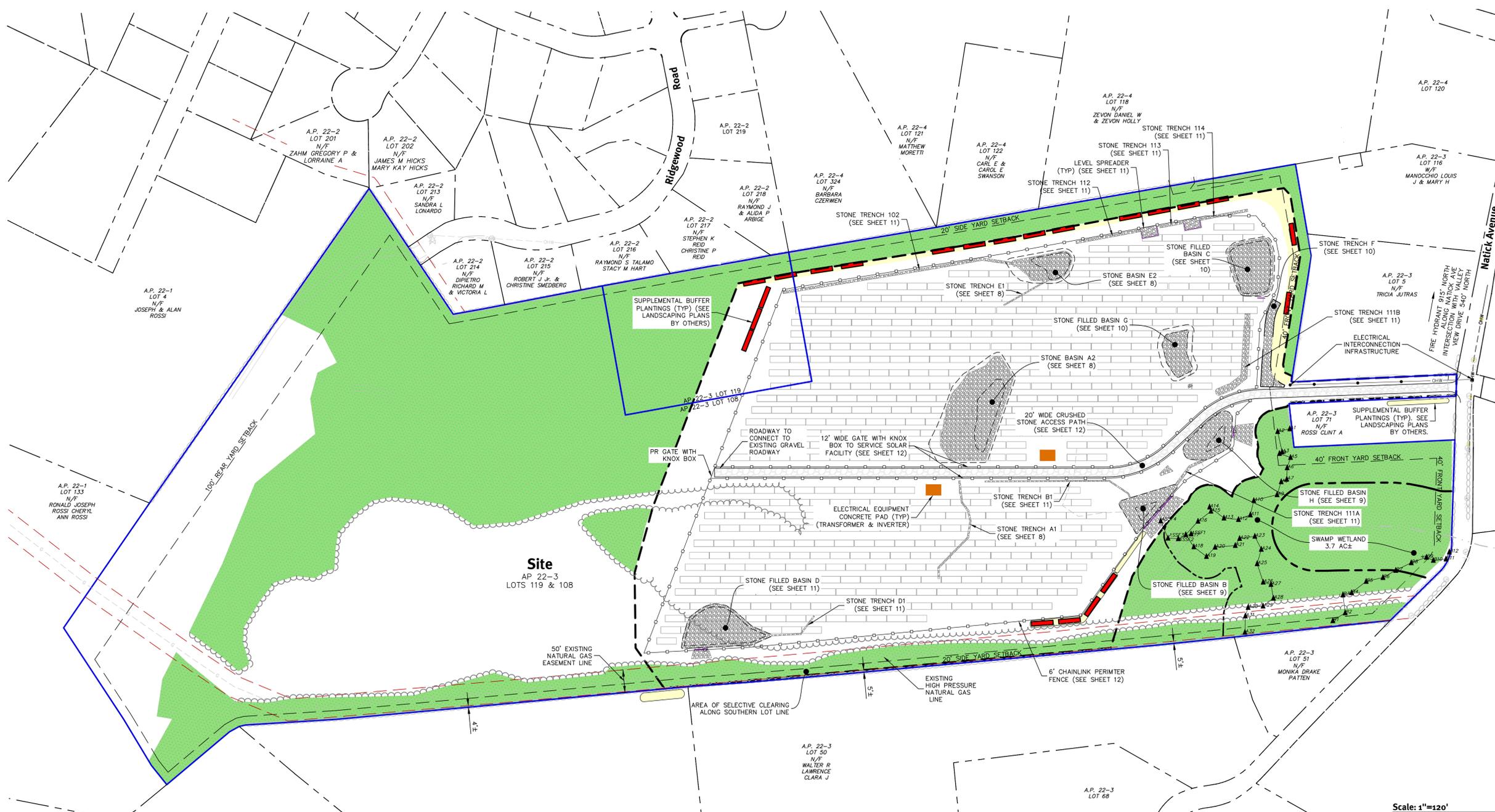
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| Date | Description | By | Design By |
|------------|-----------------------------------|-----|-----------|
| 12/03/2025 | DPE & Preliminary Plan Submission | WBC | SEK |
| 12/03/2025 | Major Plan Resubmission | KAR | SEK |
| 12/03/2025 | Final Plan Submission | WBC | SEK |
| 12/03/2025 | Final Plan Submission | WBC | SEK |
| 12/03/2025 | Final Plan Submission | WBC | SEK |
| 12/03/2025 | Preliminary Submission | WBC | SEK |

Existing Conditions Plan
Natick Avenue Solar
 Cranston, Rhode Island
Natick Solar, LLC
 349 Centerville Road, Warwick, Rhode Island 02886
 tel 781-371-2001
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--- REQUIRED MINIMUM SETBACK LINE
 ■ VARIABLE WIDTH LANDSCAPED BUFFER
 ■ WOODED AREAS TO REMAIN

Dimensional Regulations:
 CURRENT ZONING: A-80
 MINIMUM LOT AREA: 80,000 SF
 MINIMUM FRONTAGE AND LOT WIDTH: 200'
 MINIMUM FRONT YARD: 40'
 MINIMUM SIDE YARD (NORTH): 20'
 MINIMUM SIDE YARD (SOUTH): 20'
 MINIMUM REAR YARD: 100'
 MINIMUM BUFFER (NORTH): 5'
 MINIMUM BUFFER (EAST): 10'
 MINIMUM BUFFER (SOUTH): 5'
 MINIMUM BUFFER (WEST): 5'

| REQUIRED | PROPOSED |
|-----------------|-----------------|
| 2,789,020 SF | 500' |
| 473' | 473' |
| 94' | 94' |
| 100' | 100' |
| 1,024' | 1,024' |
| 50' | 50' |
| 25' | 25' |
| 5'-10' VARIABLE | 5'-10' VARIABLE |
| 108' | 108' |

Site Layout Plan Notes:

- THE SITE IS NOT WITHIN A NATURAL HERITAGE AREA, PER RIGIS ONLINE DATABASE.
- THERE ARE NO KNOWN ENVIRONMENTAL HAZARDS OR IMPAIRMENTS ON SITE.

Commercial Solar Farm

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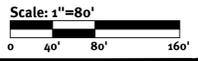
EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR OBTAINING UTILITIES INFORMATION FROM ANY SOURCE OTHER THAN THE INFORMATION PROVIDED BY THE CLIENT. SEE UTILITY MAPS ON SHEET 3.

| NO. | DATE | DESCRIPTION | BY |
|-----|------------|------------------------|-----|
| 1 | 12/18/2025 | PRELIMINARY SUBMISSION | SEK |
| 2 | 12/18/2025 | PRELIMINARY SUBMISSION | SEK |
| 3 | 12/18/2025 | PRELIMINARY SUBMISSION | SEK |
| 4 | 12/18/2025 | PRELIMINARY SUBMISSION | SEK |
| 5 | 12/18/2025 | PRELIMINARY SUBMISSION | SEK |
| 6 | 12/18/2025 | PRELIMINARY SUBMISSION | SEK |

Drawn By: SEK Design By: SEK

Site Layout Plan
Natick Avenue Solar
 Accessors: 018-22-3 LOTS 108 & 119
 Cranston, Rhode Island
Natick Solar, LLC
 349 Centerville Road, Warwick, Rhode Island 02886
 tel 781-371-2001

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| NO. | DATE | DESCRIPTION | BY |
|-----|------------|------------------------|----|
| 1 | 12/12/2024 | Preliminary Submission | SK |
| 2 | 12/12/2024 | Final Submission | SK |
| 3 | 12/12/2024 | Final Submission | SK |
| 4 | 12/12/2024 | Final Submission | SK |
| 5 | 12/12/2024 | Final Submission | SK |
| 6 | 12/12/2024 | Final Submission | SK |

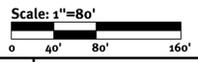
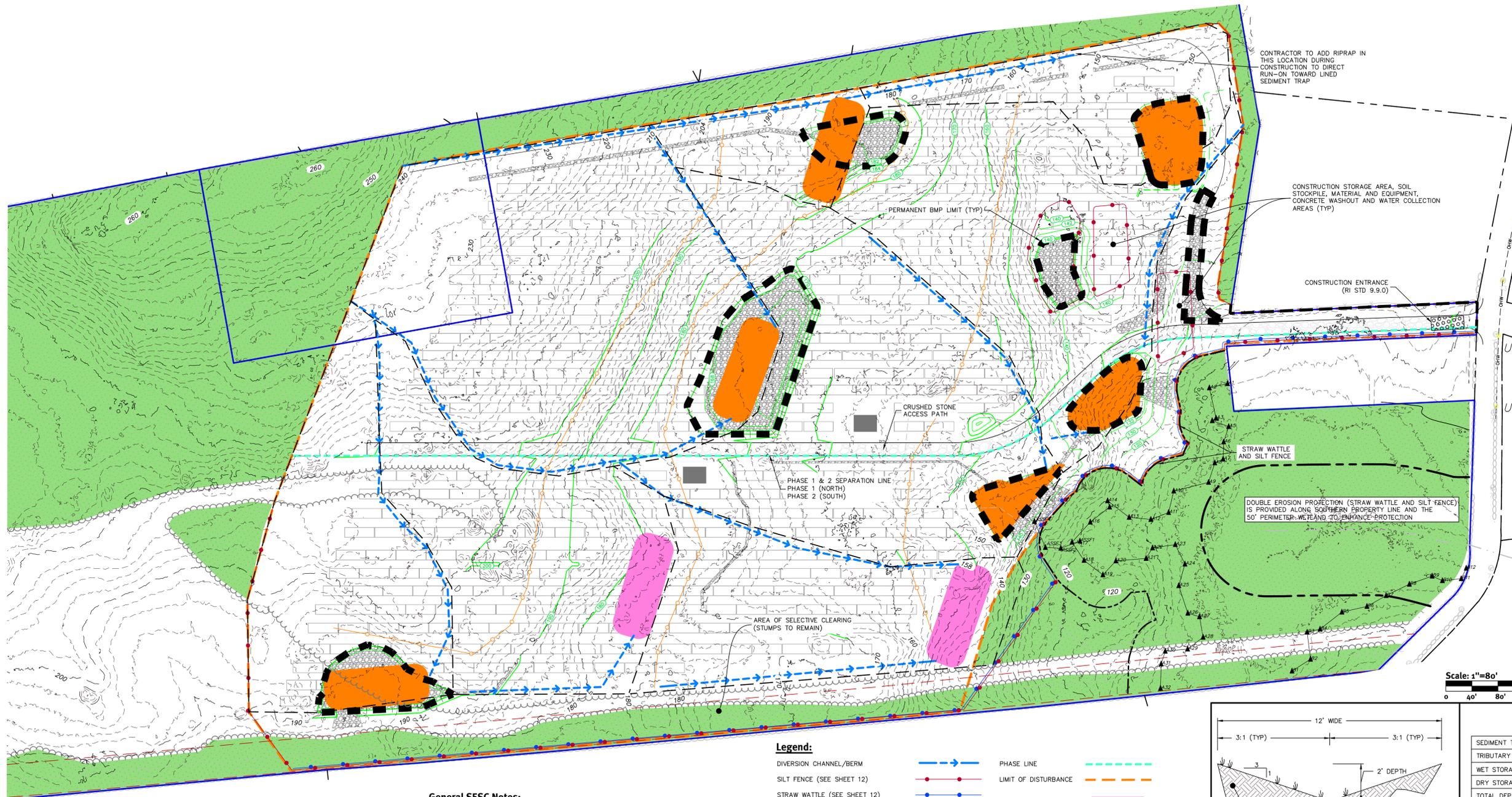
Drawn By: SEK Design By: SEK

Site Development Plan
Natick Avenue Solar
 Accessors: Plat 22-3 Lots 108 & 119
 Cranston, Rhode Island
Client
Natick Solar, LLC
 349 Centerville Road, Warwick, Rhode Island 02886
 tel 781-371-2001

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Scale: 1"=80'
 0 40' 80' 160'

SHEET **6** OF 13



Legend:

- DIVERSION CHANNEL/BERM
- SILT FENCE (SEE SHEET 12)
- STRAW WATTLE (SEE SHEET 12)
- COMPOST FILTER SOCK (8" DIAMETER)
- APPROXIMATE SESC TRAP DISTURBANCE AREA LINE (5 ACRE MAX)
- FINAL CONTOUR
- PHASE LINE
- LIMIT OF DISTURBANCE
- TEMPORARY SEDIMENT TRAPS (UNLINED)
- TEMPORARY SEDIMENT TRAPS (LINED)

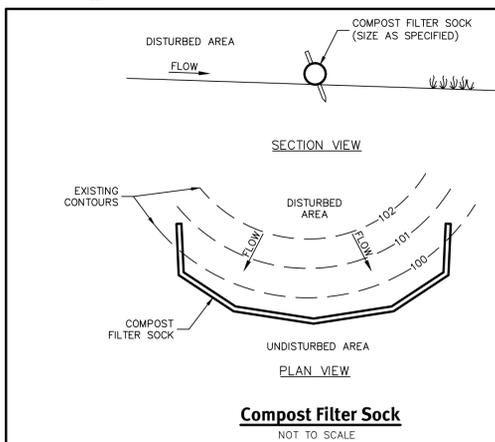
General SESC Notes:

- INTERNAL SEDIMENT CONTROL SHOWN IS THE MINIMUM AMOUNT REQUIRED. CONTRACTOR MUST MONITOR THE SITE AND IF AREAS OF EROSION ARE OBSERVED FOLLOWING STORM EVENTS (PRECIPITATION OF 0.25" OR GREATER), CONTRACTOR MUST SUPPLEMENT WITH ADDITIONAL EROSION CONTROL MEASURES AS SHOWN AND SPECIFIED IN SECTION SIX OF THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.
- CLASS R-3 RIPRAP TO BE INSTALLED WHERE EXISTING SURFACE FORMS A NATURAL SWALE.

Erosion Control SESC Trap Disturbance Area Notes:

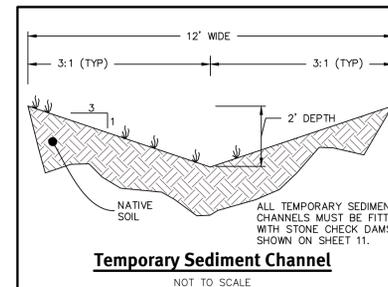
THE FOLLOWING STEPS MUST BE FOLLOWED WHEN CLEARING AND STUMPING THE SESC TRAP DISTURBANCE AREAS:

- TREE CLEARING AND EARTHWORK
- TREE CLEARING WILL COMMENCE LEAVING ALL STUMPS IN PLACE.
- THE ENTIRETY OF ALL PHASE 1 AND 2 EROSION CONTROL MUST BE INSTALLED (SEE PLANS).
- STUMPING MUST BE PERFORMED WITHIN THE APPROXIMATE DISTURBANCE AREAS LINES (SEE PLANS) AND DIVERSION CHANNELS (ALONG WITH PERMANENT SWALES) AND TRAPS MUST BE INSTALLED BEFORE MOVING TO THE NEXT STUMPING AREA.
- ONCE TRAPS ARE IN PLACE COMPOST FILTER SOCKS MUST BE INSTALLED AS SHOWN ON THIS SHEET.
- CONTRACTOR TO THEN BEGIN FINAL SITE GRADING.
- ONCE GRADING IS COMPLETED, AREA MUST BE SEEDED WITHIN 72 HOURS.
- ONCE GRASS HAS BEEN ESTABLISHED, TEMPORARY MEASURES CAN BE TAKEN OFFLINE.
- ONCE TEMPORARY MEASURES ARE REMOVED THE CONTRACTOR MUST SCARIFY THE BOTTOM OF THE LINED TRAPS UNDER THE SUPERVISION OF THE ENGINEER OF RECORD TO ENSURE INFILTRATION CAN OCCUR IN BMP AREAS REQUIRING SUCH.
- PERMANENT DRAINAGE FEATURES CAN THEN BE BROUGHT ONLINE.

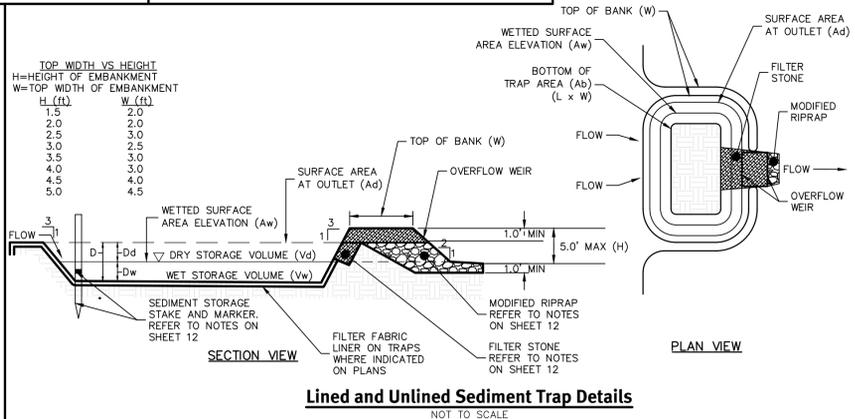


Notes:

- COMPOST FILTER SOCKS MUST BE USED TO CONSTRUCT THE FILTER BERMS ON SITE.
- COMPOST FILTER SOCKS MUST BE USED ON SIGNIFICANT FLOW PATHS AND PLACED PARALLEL TO THE SLOPE OF THE FLOW BASED ON THE COMPOST FILTER SOCK REQUIREMENTS IN THE RI SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (2016).
- TALL GRASSES MUST BE CUT PRIOR TO INSTALLATION TO MINIMIZE POTENTIAL FOR UNDERCUTTING. COMPOST FILTER SOCKS MUST BE NETTED OR OTHERWISE ANCHORED AFTER INSTALLATION.
- SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE ABOVE GROUND HEIGHT OF THE SOCK.
- ANY SECTION OF COMPOST FILTER SOCK WHICH HAVE BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED. CONCENTRATED FLOWS MUST NOT BE DIRECTED TOWARDS ANY COMPOST FILTER SOCK.
- CONTRACTOR MUST FIELD ADJUST FILTER SOCKS AS NECESSARY. CERTAIN AREAS MAY BE OMITTED AS NECESSARY OR ADDITIONAL MEASURES ADDED BASED ON FIELD CONDITIONS.
- CONTRACTOR TO MODIFY FILTER SOCK CONDITIONS AS SITE GRADING IS REVISED. FILTER SOCKS MUST BE IN PLACE WHEN A RAINFALL GREATER THAN 0.25" IS EXPECTED.



| SEDIMENT TRAP DIMENSIONS | TRAP TYPICAL |
|-----------------------------|--------------|
| TRIBUTARY DRAINAGE AREA | 1.0-5.0 AC |
| WET STORAGE DEPTH (Dw) | 3.00 FT |
| DRY STORAGE DEPTH (Dd) | 2.00 FT |
| TOTAL DEPTH (D) | 5.00 FT |
| BOTTOM OF TRAP AREA (Ab) | 1,140 SQFT |
| WETTED SURFACE AREA (Aw) | 3,935 SQFT |
| SURFACE AREA AT OUTLET (Ad) | 9,272 SQFT |



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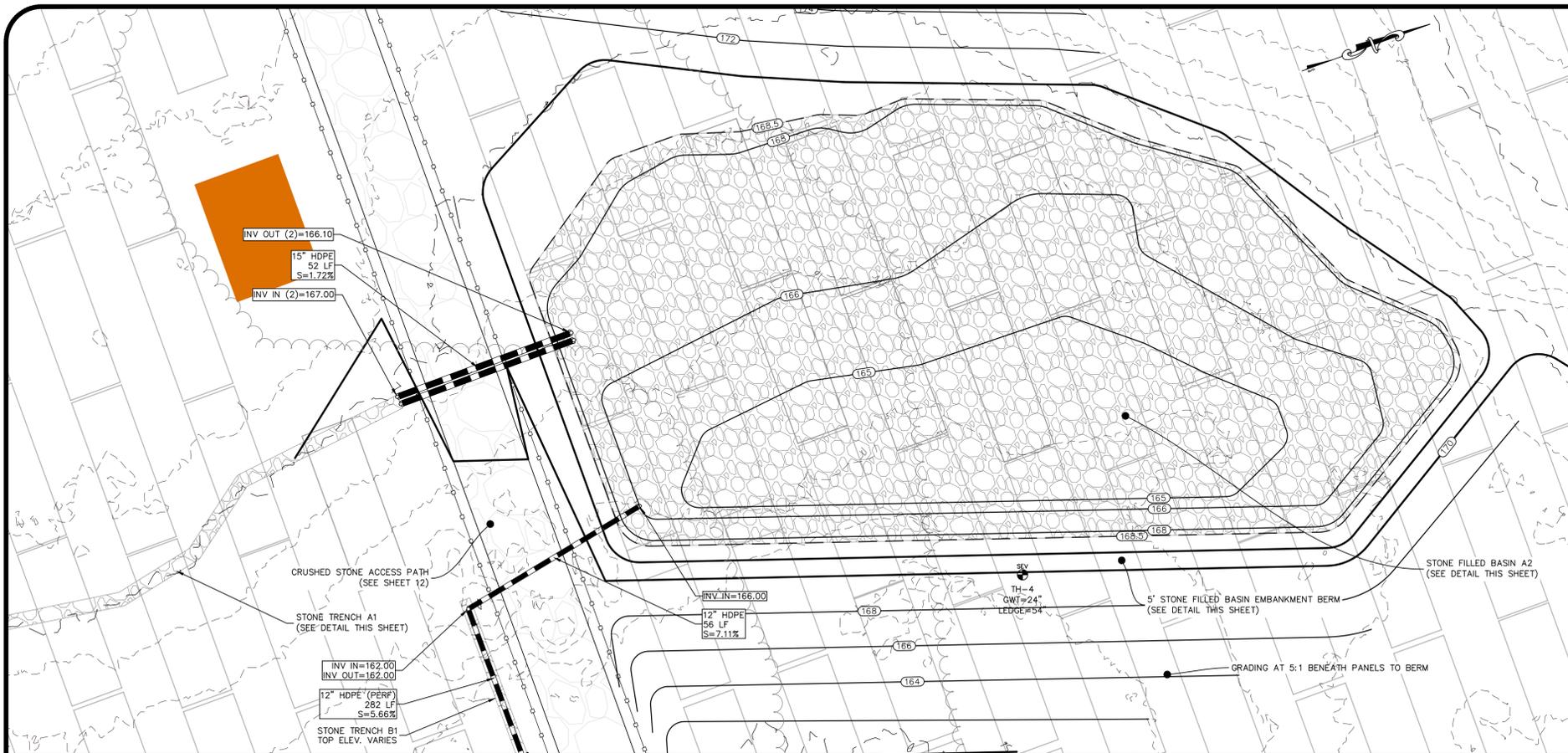
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| NO. | DATE | DESCRIPTION | BY |
|-----|------------|------------------------|-----|
| 1 | 12/18/2025 | PRELIMINARY SUBMISSION | SKK |
| 2 | 12/18/2025 | PRELIMINARY SUBMISSION | SKK |
| 3 | 12/18/2025 | PRELIMINARY SUBMISSION | SKK |
| 4 | 12/18/2025 | PRELIMINARY SUBMISSION | SKK |
| 5 | 12/18/2025 | PRELIMINARY SUBMISSION | SKK |
| 6 | 12/18/2025 | PRELIMINARY SUBMISSION | SKK |

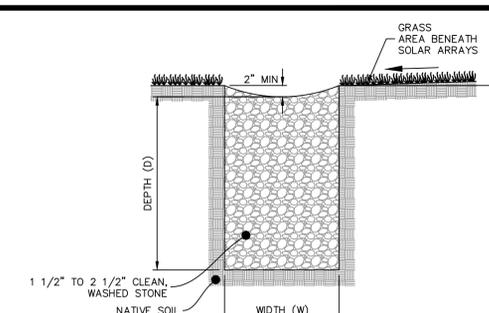
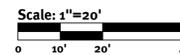
Drawn By: SKK
 Design By: SKK

Soil Erosion And Sediment Control Plan
Natick Avenue Solar
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 tel 781-371-2001

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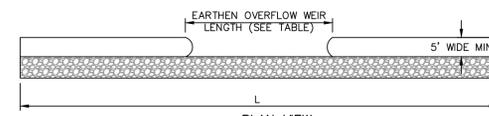


Stone Trench A1 & Stone Filled Basin A2



- NOTES:
- TRENCHES TO BE INSTALLED PARALLEL TO GRADE.
 - TRENCHES ARE DESIGNED TO FACILITATE INFILTRATION AND SHEET FLOW OF STORMWATER. CONTRACTOR MUST TAKE CARE TO ENSURE THE TRENCHES ARE INSTALLED PARALLEL TO THE CONTOURS, WITH NO LOW POINTS.
 - TRENCHES TO BE INSTALLED AFTER ESTABLISHMENT OF VEGETATION OTHERWISE TRENCHES MUST BE PROTECTED FROM RECEIVING ANY RUNOFF UNTIL ALL TRIBUTARY AREAS ARE STABILIZED.

Stone Trench



| LOCATION | TRENCH DEPTH (D) | TRENCH WIDTH (W) | TRENCH LENGTH (L) |
|-----------|------------------|------------------|-------------------|
| TRENCH A1 | 36" | 48" | 238' |
| TRENCH E1 | 12" | 36" | 72.5' |

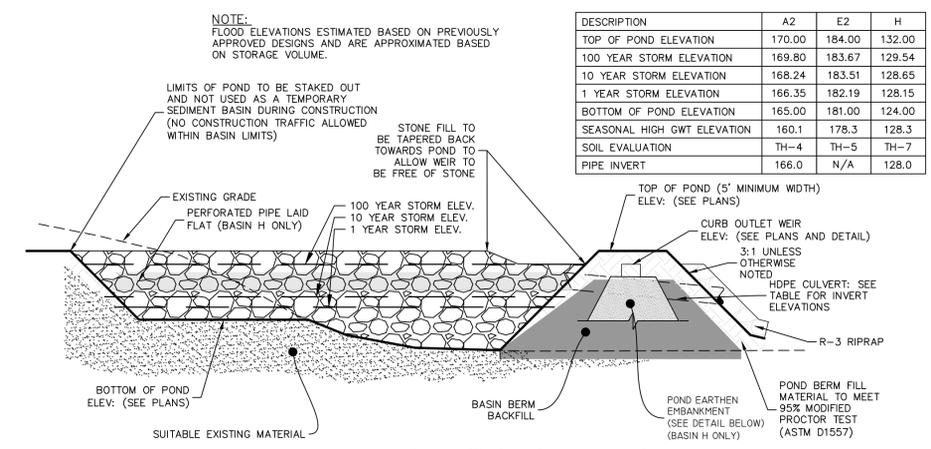
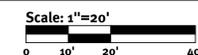
- NOTE:
- ALL STONE TRENCHES ARE TO INCLUDE AN EARTHEN OVERFLOW WEIR.

Stone Trench Detail

NOT TO SCALE



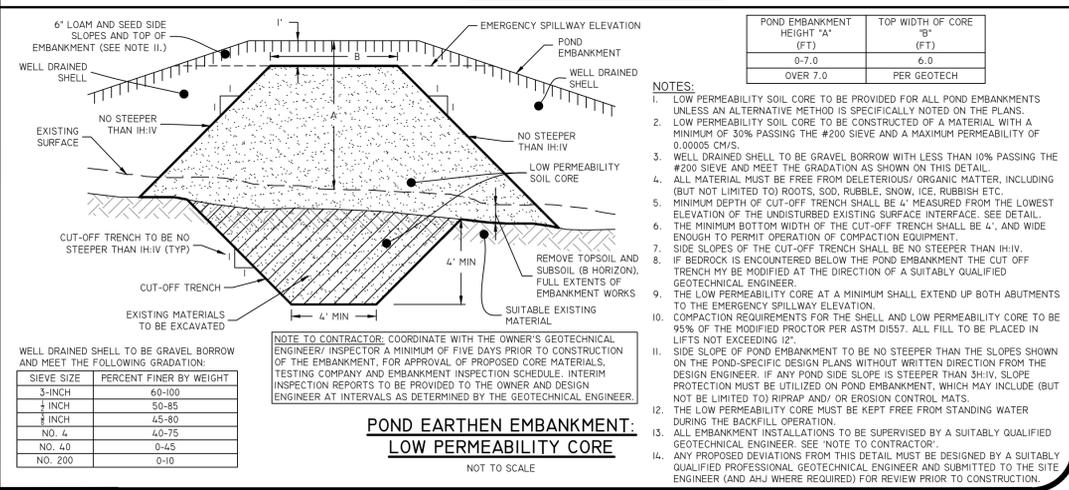
Stone Trench E1 & Stone Filled Basin E2



Stone Filled Basin A2, E2, and H

| DESCRIPTION | A2 | E2 | H |
|-----------------------------|--------|--------|--------|
| TOP OF POND ELEVATION | 170.00 | 184.00 | 132.00 |
| 100 YEAR STORM ELEVATION | 169.80 | 183.67 | 129.54 |
| 10 YEAR STORM ELEVATION | 168.24 | 183.51 | 128.65 |
| 1 YEAR STORM ELEVATION | 166.35 | 182.19 | 128.15 |
| BOTTOM OF POND ELEVATION | 165.00 | 181.00 | 124.00 |
| SEASONAL HIGH GWT ELEVATION | 160.1 | 178.3 | 128.3 |
| SOIL EVALUATION | TH-4 | TH-5 | TH-7 |
| PIPE INVERT | 166.0 | N/A | 128.0 |

- NOTE:
- FLOOD ELEVATIONS ESTIMATED BASED ON PREVIOUSLY APPROVED DESIGNS AND ARE APPROXIMATED BASED ON STORAGE VOLUME.
- LIMITS OF POND TO BE STAKED OUT AND NOT USED AS A TEMPORARY SEDIMENT BASIN DURING CONSTRUCTION (NO CONSTRUCTION TRAFFIC ALLOWED WITHIN BASIN LIMITS)



POND EARTHEN EMBANKMENT: LOW PERMEABILITY CORE

| POND EMBANKMENT HEIGHT "A" (FT) | TOP WIDTH OF CORE "B" (FT) |
|---------------------------------|----------------------------|
| 0-7.0 | 6.0 |
| OVER 7.0 | PER GEOTECH |

- NOTES:
- LOW PERMEABILITY SOIL CORE TO BE PROVIDED FOR ALL POND EMBANKMENTS UNLESS AN ALTERNATIVE METHOD IS SPECIFICALLY NOTED ON THE PLANS.
 - LOW PERMEABILITY SOIL CORE TO BE CONSTRUCTED OF A MATERIAL WITH A MINIMUM OF 30% PASSING THE #200 SIEVE AND A MAXIMUM PERMEABILITY OF 0.00005 CM/S.
 - WELL DRAINED SHELL TO BE GRAVEL BORROW WITH LESS THAN 10% PASSING THE #200 SIEVE AND MEET THE GRADATION AS SHOWN ON THIS DETAIL.
 - ALL MATERIAL MUST BE FREE FROM DELETERIOUS/ ORGANIC MATTER, INCLUDING (BUT NOT LIMITED TO) ROOTS, SOIL, RUBBLE, SNOW, ICE, RUBBISH ETC.
 - MINIMUM DEPTH OF CUT-OFF TRENCH SHALL BE 4' MEASURED FROM THE LOWEST ELEVATION OF THE UNDISTURBED EXISTING SURFACE INTERFACE. SEE DETAIL.
 - THE MINIMUM BOTTOM WIDTH OF THE CUT-OFF TRENCH SHALL BE 4', AND WIDE ENOUGH TO PERMIT OPERATION OF COMPACTION EQUIPMENT.
 - SIDE SLOPES OF THE CUT-OFF TRENCH SHALL BE NO STEEPER THAN 4:1.
 - IF BEDROCK IS ENCOUNTERED BELOW THE POND EMBANKMENT THE CUT OFF TRENCH MAY BE MODIFIED AT THE DIRECTION OF A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER.
 - THE LOW PERMEABILITY CORE AT A MINIMUM SHALL EXTEND UP BOTH ABUTMENTS TO THE EMERGENCY SPILLWAY ELEVATION.
 - COMPACTION REQUIREMENTS FOR THE SHELL AND LOW PERMEABILITY CORE TO BE 95% OF THE MODIFIED PROCTOR PER ASTM D1557. ALL FILL TO BE PLACED IN LIFTS NOT EXCEEDING 12".
 - SIDE SLOPE OF POND EMBANKMENT TO BE NO STEEPER THAN THE SLOPES SHOWN ON THE POND-SPECIFIC DESIGN PLANS WITHOUT WRITTEN DIRECTION FROM THE DESIGN ENGINEER. IF ANY POND SIDE SLOPE IS STEEPER THAN 3H:1V, SLOPE PROTECTION MUST BE UTILIZED ON POND EMBANKMENT, WHICH MAY INCLUDE (BUT NOT BE LIMITED TO) RIPRAP AND/ OR EROSION CONTROL MATS.
 - THE LOW PERMEABILITY CORE MUST BE KEPT FREE FROM STANDING WATER DURING THE BACKFILL OPERATION.
 - ALL EMBANKMENT INSTALLATIONS TO BE SUPERVISED BY A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER. SEE NOTE TO CONTRACTOR.
 - ANY PROPOSED DEVIATIONS FROM THIS DETAIL MUST BE DESIGNED BY A SUITABLY QUALIFIED PROFESSIONAL GEOTECHNICAL ENGINEER AND SUBMITTED TO THE SITE ENGINEER (AND A.H.J. WHERE REQUIRED) FOR REVIEW PRIOR TO CONSTRUCTION.

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 tel 401-943-1000 fax 401-641-6006 www.diprete-eng.com

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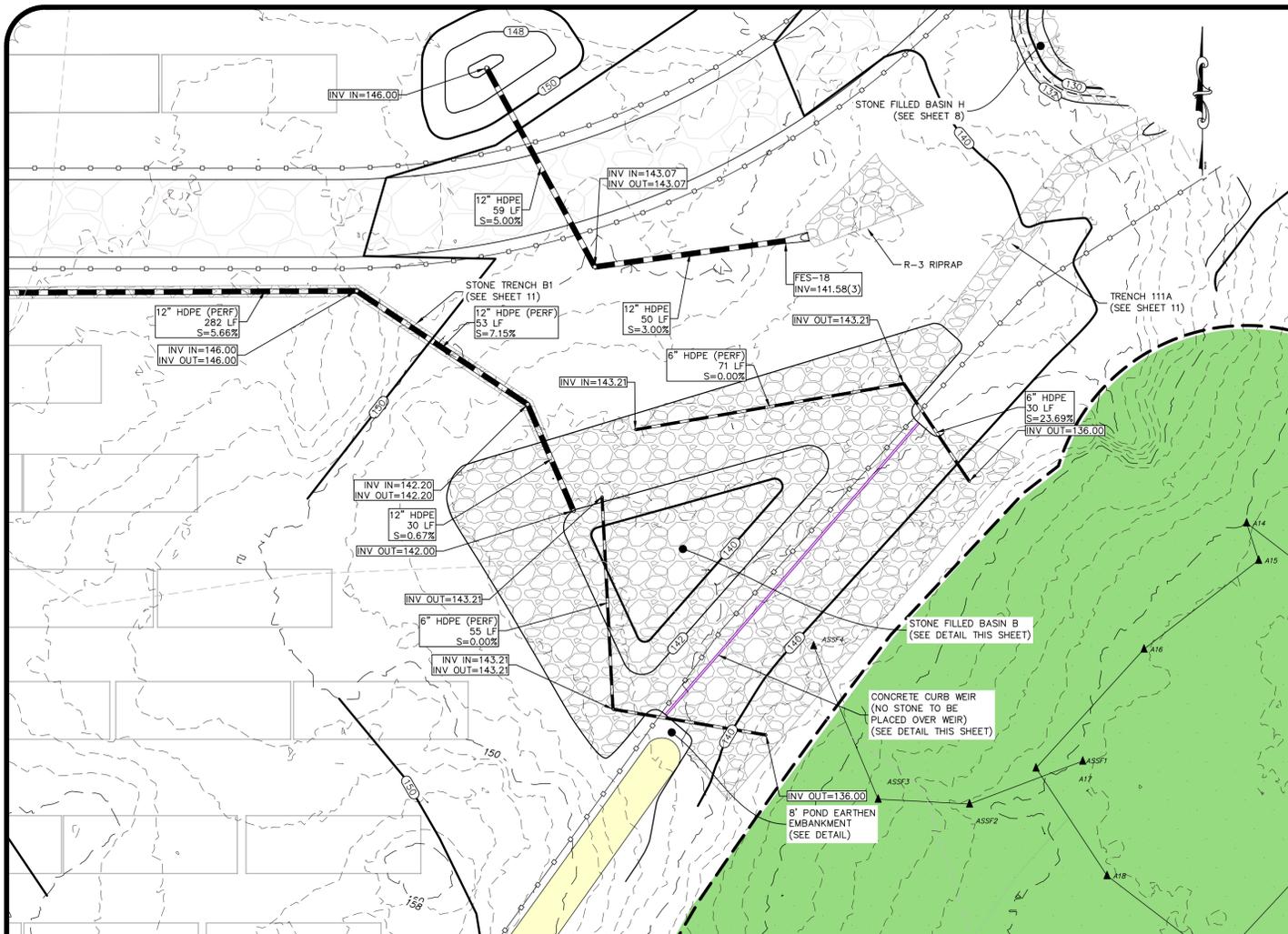
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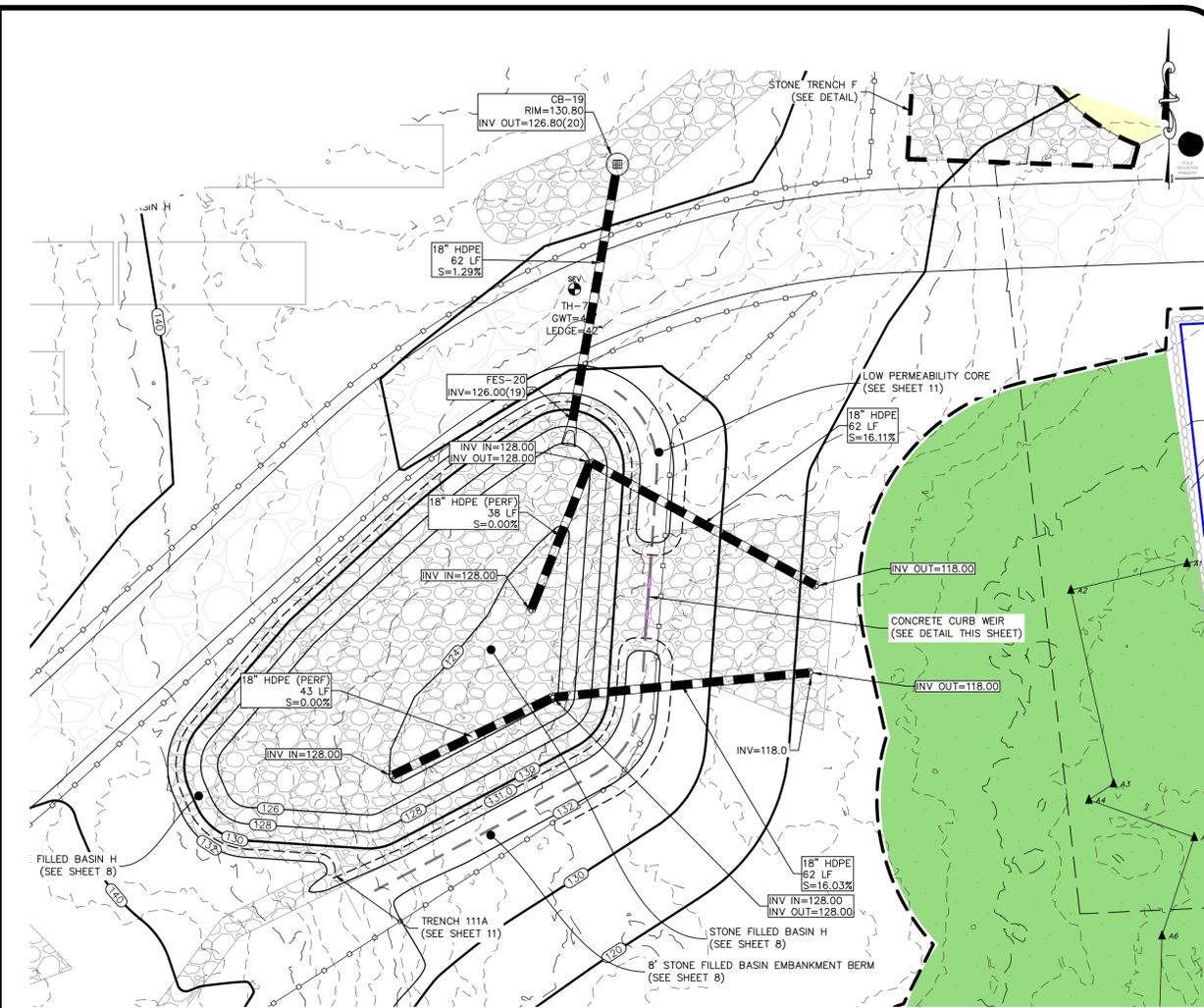
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| 1 | 12/12/2025 | PRELIMINARY SUBMISSION | SEK |
| 2 | 12/12/2025 | PRELIMINARY SUBMISSION | SEK |
| 3 | 12/12/2025 | PRELIMINARY SUBMISSION | SEK |
| 4 | 12/12/2025 | PRELIMINARY SUBMISSION | SEK |
| 5 | 12/12/2025 | PRELIMINARY SUBMISSION | SEK |
| 6 | 12/12/2025 | PRELIMINARY SUBMISSION | SEK |

BMP Details - A & E
Natick Avenue Solar
 349 Centerville Road, Warwick, Rhode Island 02886
 tel 781-371-2700

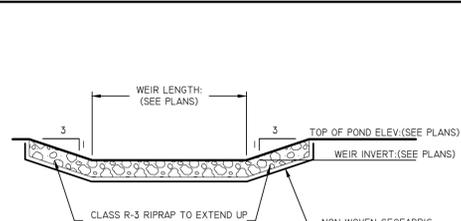
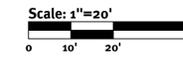
DESIGN BY: SEK



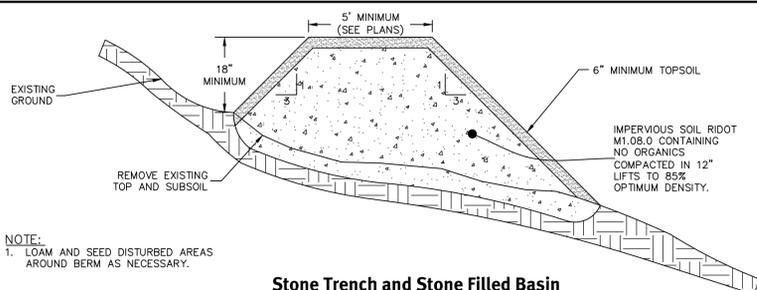
Stone Filled Basin B



Stone Filled Basin H

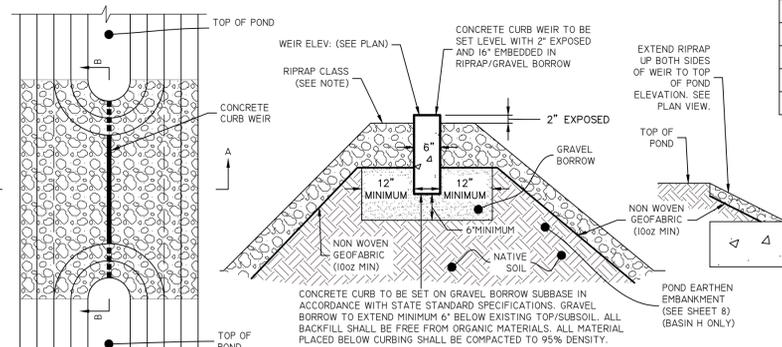


OVERFLOW WEIR
NOT TO SCALE



Stone Trench and Stone Filled Basin
Embankment Berm
NOT TO SCALE

NOTE:
1. LOAM AND SEED DISTURBED AREAS
AROUND BERM AS NECESSARY.



PLAN VIEW
NOT TO SCALE

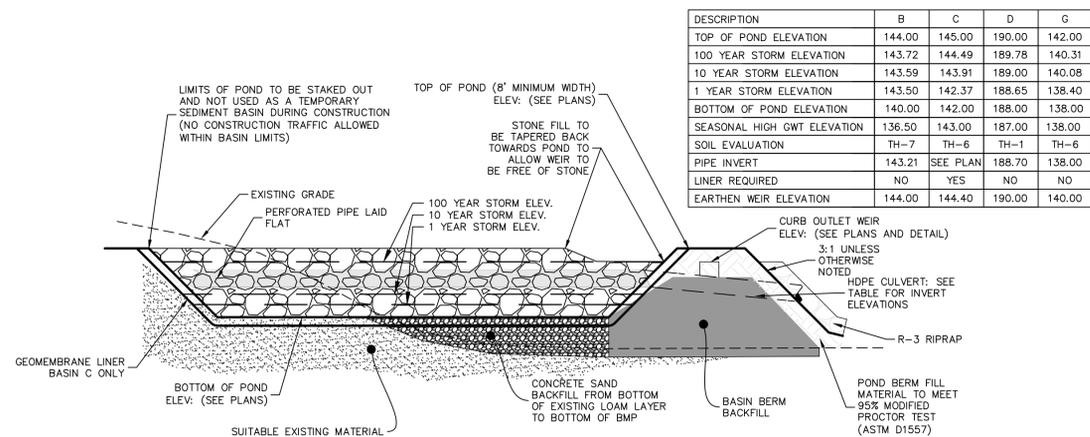
SECTION A-A
NOT TO SCALE

CURB OUTLET WEIR
NOT TO SCALE

| LOCATION | TOP ELEV. | WEIR INVERT | WEIR DEPTH | WEIR LENGTH | RIPRAP CLASS |
|----------|-----------|-------------|------------|-------------|--------------|
| BASIN B | 144.00 | 143.50 | 0.50 | 100.0' | R-3 |
| BASIN C | 145.00 | 144.17 | 0.83' | 17.0' | R-3 |
| BASIN D | 190.00 | 189.75 | 0.25' | 30.0' | R-3 |
| BASIN H | 132.00 | 131.00 | 1.00 | 20.0' | R-3 |

NOTE:
ALL CONCRETE CURB WEIRS MUST BE MONOLITHIC CONCRETE CURB.
WEIRS CANNOT BE MULTIPLE PRECAST CURBS JOINED IN SEQUENCE.

ALL RIPRAP FOR CURB OUTLET WEIRS TO BE CLASS R-3 UNLESS
NOTED OTHERWISE.



Stone Filled Basin B with fill
NOT TO SCALE

| DESCRIPTION | B | C | D | G |
|-----------------------------|--------|----------|--------|--------|
| TOP OF POND ELEVATION | 144.00 | 145.00 | 190.00 | 142.00 |
| 100 YEAR STORM ELEVATION | 143.72 | 144.49 | 189.78 | 140.31 |
| 10 YEAR STORM ELEVATION | 143.59 | 143.91 | 189.00 | 140.08 |
| 1 YEAR STORM ELEVATION | 143.50 | 142.37 | 188.65 | 138.40 |
| BOTTOM OF POND ELEVATION | 140.00 | 142.00 | 188.00 | 138.00 |
| SEASONAL HIGH GWT ELEVATION | 136.50 | 143.00 | 187.00 | 138.00 |
| SOIL EVALUATION | TH-7 | TH-6 | TH-1 | TH-6 |
| PIPE INVERT | 143.21 | SEE PLAN | 188.70 | 138.00 |
| LINER REQUIRED | NO | YES | NO | NO |
| EARTHEN WEIR ELEVATION | 144.00 | 144.40 | 190.00 | 140.00 |

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-641-6006 www.diprete-eng.com

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CIVIL

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EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE. DIPRETE ENGINEERING ASSUMES NO RESPONSIBILITY FOR DAMAGE TO PERSONS OR PROPERTY CAUSED BY THE USE OF THESE PLANS BY ANY OTHER PARTY. SEE 'UTILITY NOTE' ON SHEET 3.

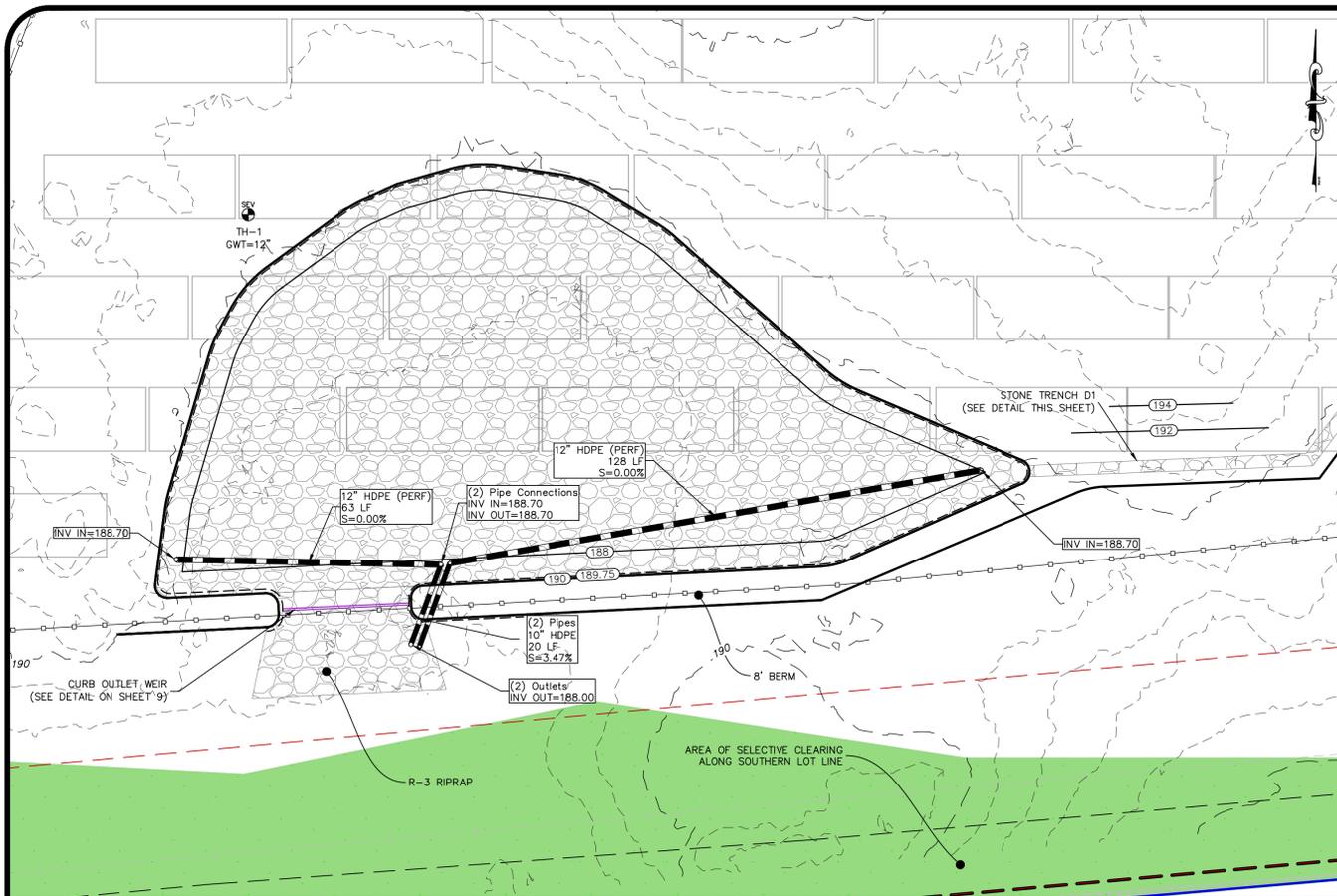
| NO. | DATE | DESCRIPTION | BY |
|-----|------------|------------------------|-----|
| 1 | 12/18/2025 | PRELIMINARY SUBMISSION | SEK |
| 2 | 12/18/2025 | PRELIMINARY SUBMISSION | SEK |
| 3 | 12/18/2025 | PRELIMINARY SUBMISSION | SEK |
| 4 | 12/18/2025 | PRELIMINARY SUBMISSION | SEK |
| 5 | 12/18/2025 | PRELIMINARY SUBMISSION | SEK |
| 6 | 12/18/2025 | PRELIMINARY SUBMISSION | SEK |

Drawn By: SEK
Design By: SEK

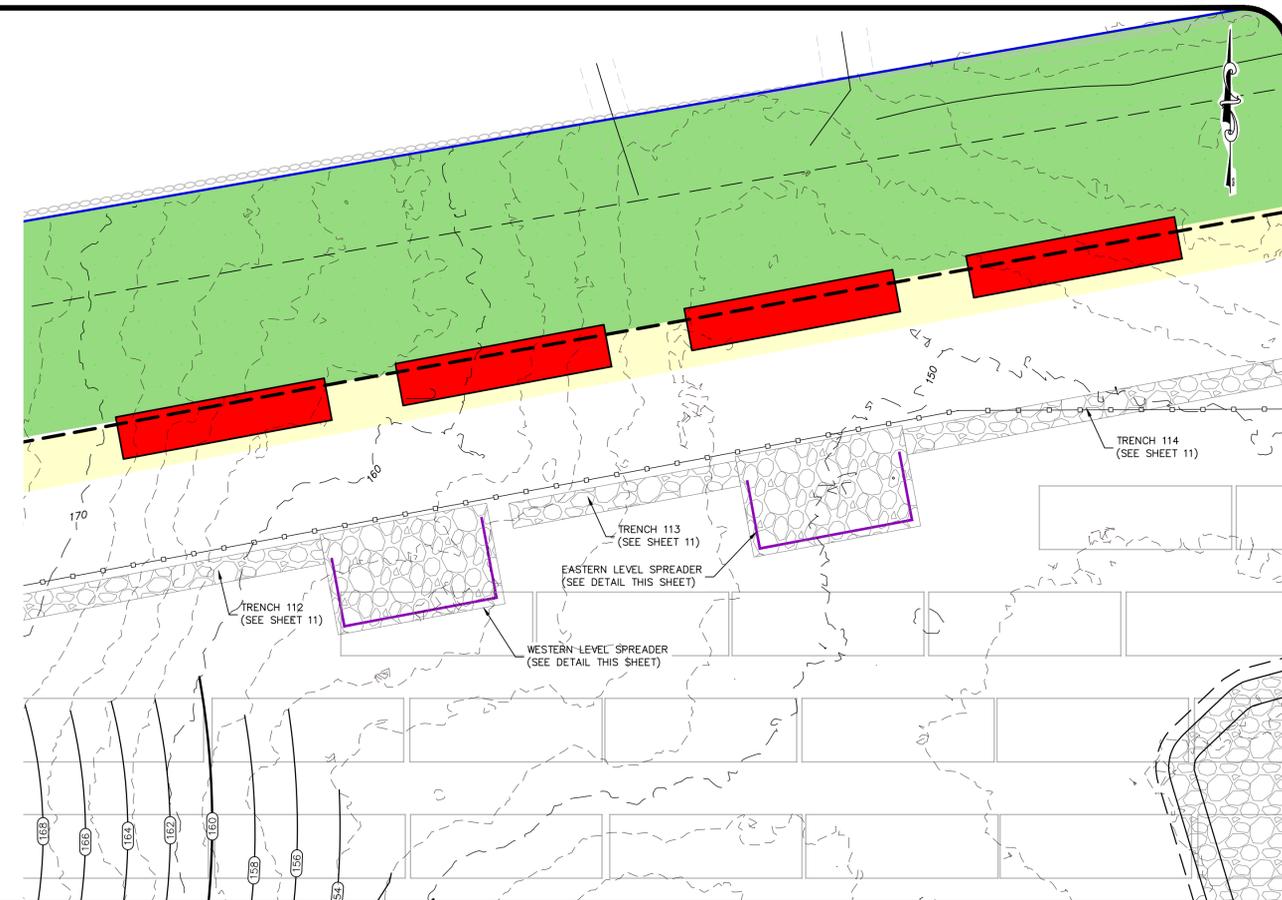
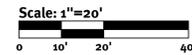
BMP Details - B & H
Natick Avenue Solar
Assessors' Plat 22-3, Lots 108 & 119
Cranston, Rhode Island
Client: **Natick Solar, LLC**
349 Centerville Road, Warwick, Rhode Island 02886
tel 781-371-2001

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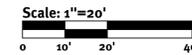
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Stone Filled Basin D

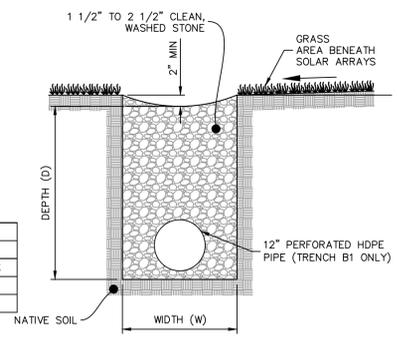


Trench and Level Spreader Detail



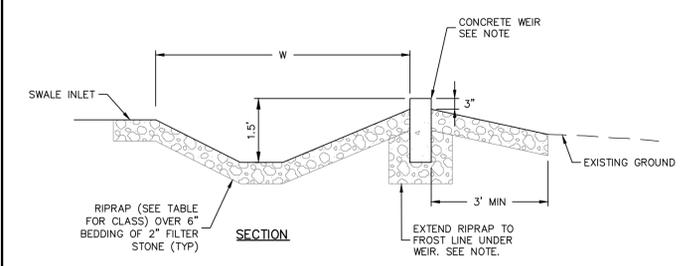
- NOTES:**
- TRENCHES TO BE INSTALLED PARALLEL TO GRADE.
 - TRENCHES ARE DESIGNED TO FACILITATE INFILTRATION AND SHEET FLOW OF STORMWATER. CONTRACTOR MUST TAKE CARE TO ENSURE THE TRENCHES ARE INSTALLED PARALLEL TO THE CONTOURS, WITH NO LOW POINTS.
 - TRENCHES TO BE INSTALLED AFTER ESTABLISHMENT OF VEGETATION OTHERWISE TRENCHES MUST BE PROTECTED FROM RECEIVING ANY RUNOFF UNTIL ALL TRIBUTARY AREAS ARE STABILIZED.

| STONE TRENCH | B1 | D1 | 102 | 111A | 111B | 112 | 113 | 114 |
|--------------------|------|------|------|-------|------|-------|------|------|
| WIDTH (W) | 3' | 3' | 6' | 6' | 15' | 6' | 6' | 6' |
| LONGITUDINAL SLOPE | 5.8% | 0.0% | 9.9% | 13.2% | 5.6% | 11.8% | 9.4% | 2.6% |
| DEPTH (D) | 2.0' | 2.0' | 2.0' | 2.0' | 2.0' | 2.0' | 2.0' | 2.0' |
| LENGTH | 358' | 114' | 533' | 91' | 161' | 150' | 54' | 111' |



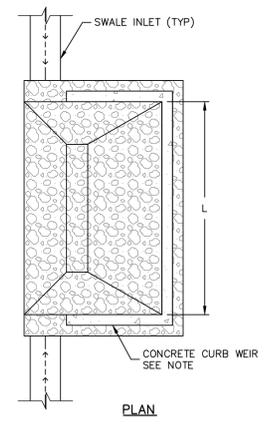
STONE CONVEYANCE TRENCH
NOT TO SCALE

| LOCATION | INVERT | WIDTH (W) | LENGTH (L) | CONCRETE CURB WEIR ELEV | RIPRAP CLASS |
|----------|--------|-----------|------------|-------------------------|--------------|
| WESTERN | 159.0 | 23' | 40' | 160.5 | R-3 |
| EASTERN | 148.8 | 23' | 40' | 150.3 | R-3 |



- NOTE:**
- LEVEL SPREADER CONCRETE WEIR MAY BE:
 - MONOLITHIC, CAST IN PLACE CONCRETE WITH INVERT BELOW THE FROST LINE (MINIMAL MAINTENANCE)
 - SERIES OF PRECAST CONCRETE CURB SECTIONS, NO END CHAMFERS, (FREQUENT MAINTENANCE TO KEEP WEIR LEVEL) - MUST INCLUDE GRAVEL BASE DOWN TO FROST DEPTH
 - TIMBER NOT PERMITTED

Level Spreader
NOT TO SCALE



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Two Stafford Court Cranston, RI 02920
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| NO. | DATE | DESCRIPTION | BY |
|-----|------------|--------------|-----|
| 1 | 12/18/2025 | Final Design | SKK |
| 2 | 12/18/2025 | Final Design | SKK |
| 3 | 12/18/2025 | Final Design | SKK |
| 4 | 12/18/2025 | Final Design | SKK |
| 5 | 12/18/2025 | Final Design | SKK |
| 6 | 12/18/2025 | Final Design | SKK |

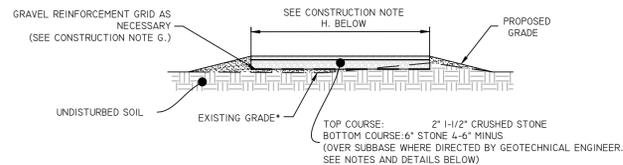
Drawn By: SKK
Design By: SKK

BMP Details - D & Trenches
Natick Avenue Solar
Accession: Plat 22-3 Lots 108 & 119
Cranston, Rhode Island
Client
Natick Solar, LLC
349 Centerville Road, Warwick, Rhode Island 02886
tel 781-371-2001

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| National Stone Association Modified NSA No. | Size Inches (square openings) | | |
|---|-------------------------------|---------------|---------------|
| | 100% Passing | 0-50% Passing | 0-15% Passing |
| | R-1 | 2 | 1 |
| R-2 | 4 | 2 | 1 |
| R-3 | 8 | 4 | 2 |
| R-4 | 14 | 7 | 4 |
| R-5 | 20 | 10 | 6 |
| R-6 | 28 | 13 | 8 |
| R-7 | 34 | 18 | 14 |
| R-8 | 50 | 24 | 18 |

Note 1: REFERENCE: National Stone Association manual; "Quarried Stone for Erosion and Sediment Control," dated 1978.



SURFACING TYPICAL

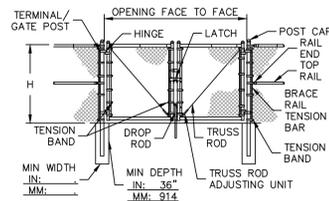
*NOTE: WHERE ROAD BASE IS AT OR ABOVE EXISTING GRADE, ORGANICS MUST BE REMOVED PRIOR TO INSTALLATION OF ROAD BASE.

CONSTRUCTION NOTE:

- CONSTRUCTION OPERATIONS MUST BE CARRIED OUT IN SUCH A MANNER TO MINIMIZE POTENTIAL EROSION AND WATER QUALITY DEGRADATION.
- FIXED EROSION CONTROLS AND SITE STABILIZATION MUST BE CONDUCTED IN ACCORDANCE WITH APPROVED BMP'S OR PURSUANT TO PROJECT SPECIFIC PERMITS.
- TREES, STUMPS, ROOTS, BRUSH AND WEEDS MUST BE REMOVED FROM THE WORK AREA IF DETERMINED NECESSARY TO SAFELY CONSTRUCT ROADWAY.
- ON WEAK BEARING SOIL SUCH AS LOOSE ALLUVIAL, OR WETLAND SOILS, SURFACE TREATMENTS SHOULD BE UNDERLAIN WITH WOVEN GEOTEXTILES.
- AT MINIMUM, ROADSIDE DITCHES MUST BE 1 FT BELOW ROAD SURFACE.
- DISCHARGE POINTS FOR DITCHES MUST NOT BE NEAR WETLANDS OR STREAMS, AND OR BE LOCATED AT THE DIRECTION OF THE DESIGN ENGINEER.
- CONTRACTOR TO INSTALL GRAVEL REINFORCEMENT GRID AS NECESSARY TO PREVENT EROSION AND/OR VEHICULAR DAMAGE TO THE ACCESS PATH.
- ACCESS PATH NOTES ARE AS FOLLOWS:
ROADWAY AT ENTRANCE UP TO HAMMERHEAD TO BE 20' WIDTH MINIMUM.
INTERNAL ACCESS PATHS TO BE GRASS AND 16' WIDE, OR AS APPROVED BY FIRE DEPARTMENT.

CRUSHED STONE ACCESS PATH DETAIL

NOT TO SCALE

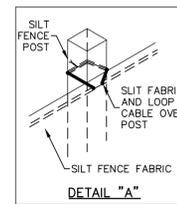


- NOTE:**
- METRIC DIMENSIONS ARE NOMINAL EQUIVALENTS TO U.S. DIMENSIONS.
 - SPECIFICATIONS SHOWN CAN BE CHANGED BY THE MANUFACTURER ONLY.
 - FOOTING WIDTH TO BE (4)X POST WIDTH.

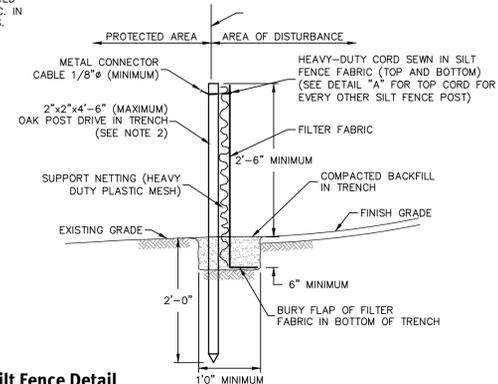
Double Swing Gate 12' Opening

NOT TO SCALE

- NOTES:**
- 2"x2"x4'-6" (MAXIMUM) OAK POSTS FOR SILT FENCE MUST BE LOCATED 8'-0" (MAXIMUM) O.C. IN WETLAND AREAS AND 4'-0" (MAXIMUM) O.C. IN WETLAND RAIVNE, GULLY OR DROP-OFF AREAS AS SHOWN ON PLANS.
 - 1"x1"x4'-6" (MINIMUM) POSTS PERMITTED FOR PRE-FABRICATED SILT FENCE.
 - SILT FENCE MUST BE INSTALLED BEFORE ANY GRUBBING OR EARTH EXCAVATION TAKES PLACE.

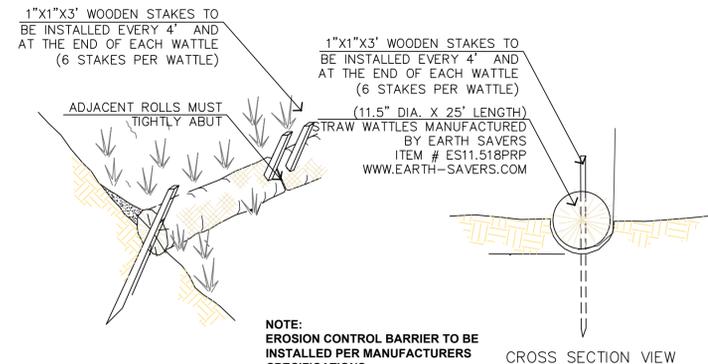


DETAIL "A"



Silt Fence Detail

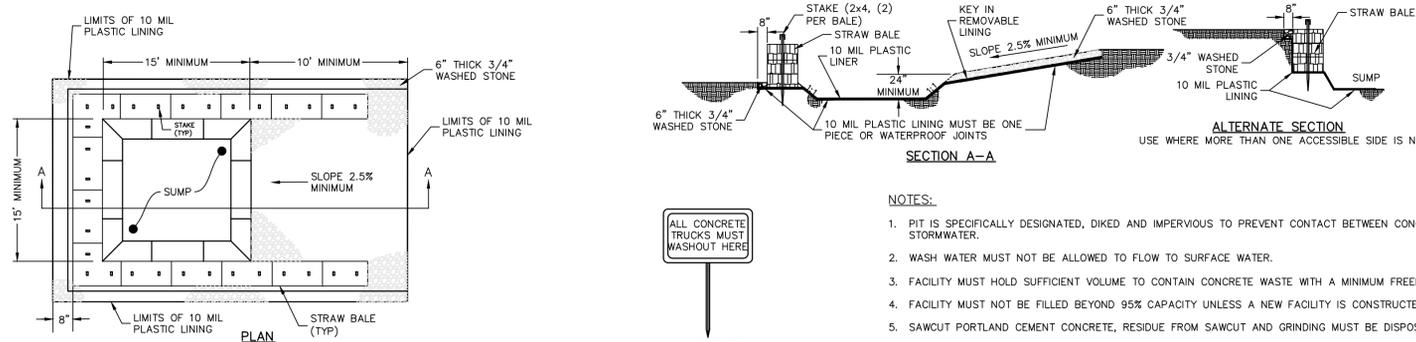
NOT TO SCALE



- NOTE:**
- EROSION CONTROL BARRIER TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS

Straw Wattle Sediment Barrier

NOT TO SCALE

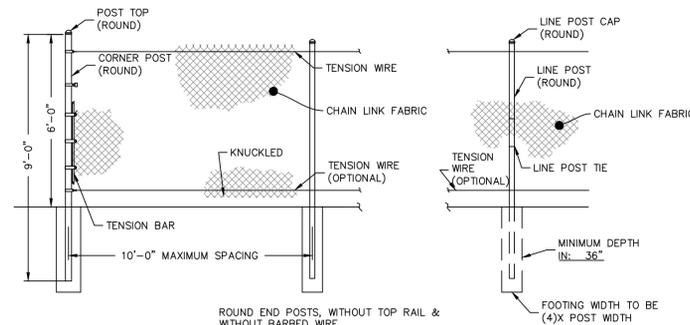


NOTES:

- PIT IS SPECIFICALLY DESIGNATED, DIKED AND IMPERVIOUS TO PREVENT CONTACT BETWEEN CONCRETE WASH AND STORMWATER.
- WASH WATER MUST NOT BE ALLOWED TO FLOW TO SURFACE WATER.
- FACILITY MUST HOLD SUFFICIENT VOLUME TO CONTAIN CONCRETE WASTE WITH A MINIMUM FREEBOARD OF 12."
- FACILITY MUST NOT BE FILLED BEYOND 95% CAPACITY UNLESS A NEW FACILITY IS CONSTRUCTED.
- SAWCUT PORTLAND CEMENT CONCRETE, RESIDUE FROM SAWCUT AND GRINDING MUST BE DISPOSED OF IN THE PIT.
- CONCRETE WASHOUTS MUST BE LOCATED A MINIMUM OF 100' FROM DRAINAGE WAYS, INLETS AND SURFACE WATERS.
- MANUFACTURED CONCRETE WASHOUT DEVICES MAY BE USED IF REMOVED FROM THE SITE WHEN 95% FULL CAPACITY.

Concrete Washout Area

(NOT TO SCALE)



TYPICAL CHAINLINK PERIMETER FENCE

NOT TO SCALE

GENERAL NOTES:

- THE TEMPORARY SEDIMENT TRAP MUST MEET ALL REQUIREMENTS FOR TEMPORARY SEDIMENT TRAPS OUTLINED IN THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK (LATEST REVISION) SECTION SIX: SEDIMENT CONTROL MEASURES.
- THE TEMPORARY SEDIMENT TRAP MUST HAVE AN INITIAL STORAGE VOLUME OF 134 CUBIC YARDS PER ACRE OF DRAINAGE AREA.
- ALL CUT AND FILL SLOPES MUST BE 2:1 OR FLATTER EXCEPT FOR THE EXCAVATED WET STORAGE AREA WHERE SLOPES MUST NOT EXCEED 1.5:1.
- THE OUTLET MUST BE LOCATED AT THE MOST DISTANT HYDRAULIC POINT FROM THE INLET.
- THE OUTLET MUST CONSIST OF A PERVIOUS STONE DIKE WITH A CORE OF MODIFIED RIPRAP AND FACED ON THE UPSTREAM SIDE WITH STONE.
- TEMPORARY SEDIMENT TRAPS MUST OUTLET ONTO STABILIZED GROUND.
- MAXIMUM HEIGHT OF A TEMPORARY SEDIMENT TRAP EMBANKMENT IS LIMITED TO 5 FEET.
- SIDE SLOPES OF THE EMBANKMENT MUST BE 2:1 OR FLATTER.
- MODIFIED RIPRAP: MUST MEET THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SUBSECTION M.10.03.2.
- FILTER STONE: MUST MEET THE REQUIREMENTS OF RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SUBSECTION M.01.03 TABLE 1, COLUMN V FILTER STONE.

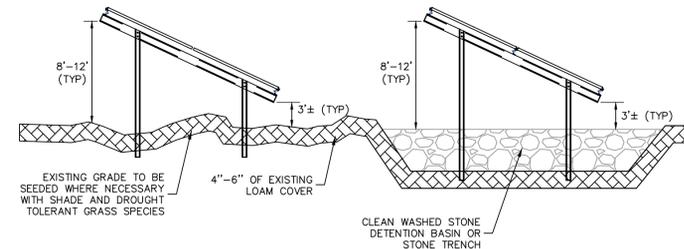
INSPECTION, MAINTENANCE, AND REMOVAL REQUIREMENTS:

- INSTALL "SEDIMENT STORAGE" STAKE WITH A MARKER AT ONE HALF OF THE WET STORAGE VOLUME.
- 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.
- CHECK FOR SEDIMENT ACCUMULATION AND FILTRATION PERFORMANCE.
- 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.
- THE TEMPORARY SEDIMENT TRAP MAY BE REMOVED AFTER THE CONTRIBUTING DRAINAGE AREA IS STABILIZED.

INSTALLATION NOTES:

- 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.
- 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.
- STABILIZE THE EARTHEN EMBANKMENT USING ANY OF THE FOLLOWING MEASURES: SEEDING FOR TEMPORARY VEGETATION COVER, SEEDING FOR PERMANENT VEGETATIVE COVER, OR SLOPE PROTECTION, IMMEDIATELY AFTER INSTALLATION.

Temporary Sediment Trap Notes



- NOTE:**
- TOPSOIL ON SITE MUST BE PRESERVED. TOPSOIL MUST NOT BE EXPORTED FROM THE SITE.

Onsite Grading Material and PV Array Distance Scheme - Tilt, Angle and Shading Detail

NOT TO SCALE

DiPrete Engineering
Two Stafford Court Cranston, RI 02920
tel 401-943-1000 fax 401-641-6006 www.diprete-eng.com

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| NO. | DATE | DESCRIPTION | BY: |
|-----|------------|----------------------|-----|
| 1 | 12/18/2025 | REVISED PER COMMENTS | SKK |
| 2 | 12/18/2025 | REVISED PER COMMENTS | SKK |
| 3 | 12/18/2025 | REVISED PER COMMENTS | SKK |
| 4 | 12/18/2025 | REVISED PER COMMENTS | SKK |
| 5 | 12/18/2025 | REVISED PER COMMENTS | SKK |
| 6 | 12/18/2025 | REVISED PER COMMENTS | SKK |

Drawn By: SKK
Design By: SKK

Detail Sheet
Natick Avenue Solar
Accessors: Plat 22-3 Lots 108 & 119
Cranston, Rhode Island
Natick Solar, LLC
349 Centerville Road, Warwick, Rhode Island 02886
tel 781-371-2001

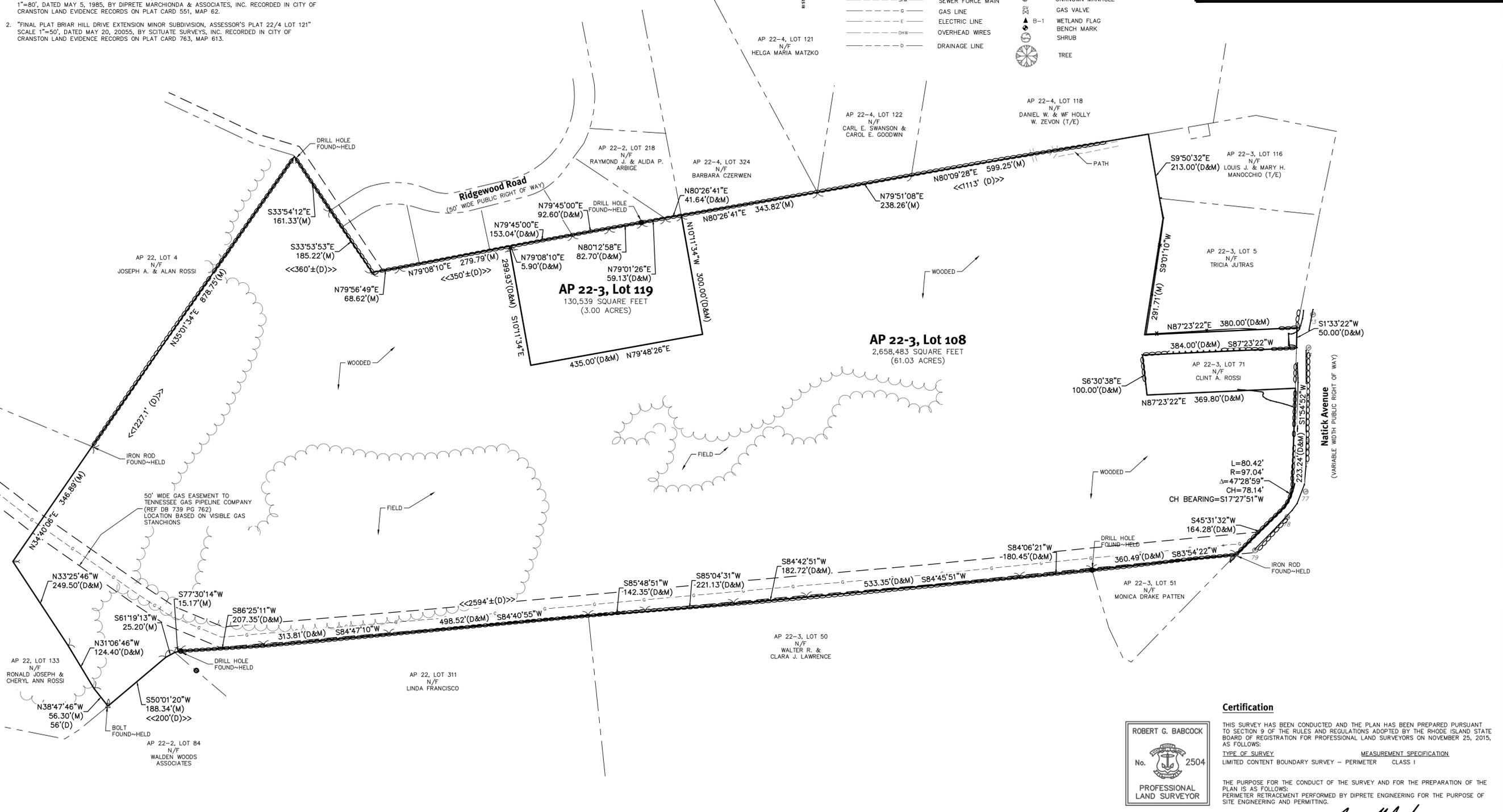
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General Notes

1. THE PARCEL IS FOUND ON ASSESSOR'S PLAT 22, LOT 108 & 119 IN THE CITY OF CRANSTON, PROVIDENCE COUNTY, RHODE ISLAND.
2. THE OWNER PER DEED BOOK 853, PAGE 793 IS RONALD ROSSI.
3. BASED ON GRAPHICAL PLOTTING ONLY, THE PARCEL IS LOCATED IN X PER FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP 440070407G, DATED MARCH 2, 2009 & MAP 440030126H, DATED OCTOBER 2, 2015. THIS DESIGNATION MAY CHANGE BASED UPON REVIEW BY A FLOOD ZONE SPECIALIST OR BY THE RESULTS OF A COMPREHENSIVE FLOOD STUDY.
4. THE PARCEL IS ZONED A80 BASED ON VISION GOVERNMENT SOLUTIONS CRANSTON. ANY OVERLAY DISTRICTS, SPECIAL PERMITS OR VARIANCES SPECIFIC TO THIS SITE ARE NOT TAKEN INTO CONSIDERATION. PLEASE CONTACT THE ZONING DEPARTMENT FOR ANY ADDITIONAL INFORMATION OR FOR A CERTIFICATE OF ZONING.
5. THERE WERE NO CEMETERIES, GRAVE SITES AND OR BURIAL GROUNDS OBSERVED WITHIN THE LIMITS OF THE SURVEY.
6. FIELD SURVEY PERFORMED BY DIPRETE ENGINEERING ON OCTOBER 4, 2018. THIS PLAN REFLECTS ON THE GROUND CONDITIONS AS OF THAT DATE.
7. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. DIPRETE ENGINEERING IS NOT RESPONSIBLE FOR ANY UNKNOWN OR UNRECORDED EASEMENTS, DEEDS OR CLAIMS THAT A TITLE REPORT WOULD DISCLOSE.

Plan References:

1. "SUBDIVISION PLAN OF BRIAR HILL PHASE III, SITUATED IN CRANSTON, RHODE ISLAND" SCALE 1"=80', DATED MAY 5, 1985, BY DIPRETE MARCHIONDA & ASSOCIATES, INC. RECORDED IN CITY OF CRANSTON LAND EVIDENCE RECORDS ON PLAT CARD 551, MAP 62.
2. "FINAL PLAT BRIAR HILL DRIVE EXTENSION MINOR SUBDIVISION, ASSESSOR'S PLAT 22/4 LOT 121" SCALE 1"=50', DATED MAY 20, 2005, BY SCITUATE SURVEYS, INC. RECORDED IN CITY OF CRANSTON LAND EVIDENCE RECORDS ON PLAT CARD 763, MAP 613.



AP 22, LOT 4
N/F
JOSEPH A. & ALAN ROSSI

AP 22-2, LOT 218
N/F
RAYMOND J. & ALIDA P. ARBIGE

AP 22-4, LOT 324
N/F
BARBARA CZERWIEN

AP 22-4, LOT 122
N/F
CARL E. SWANSON & CAROL E. GOODWIN

AP 22-4, LOT 118
N/F
DANIEL W. & W. HOLLY W. ZEVON (T/E)

AP 22-3, LOT 116
N/F
LOUIS J. & MARY H. MANOCCHIO (T/E)

AP 22-3, LOT 5
N/F
TRICIA JUTRAS

AP 22-3, LOT 71
N/F
CLINT A. ROSSI

AP 22-3, LOT 51
N/F
MONICA DRAKE PATTEN

AP 22-3, LOT 50
N/F
WALTER R. & CLARA J. LAWRENCE

AP 22, LOT 133
N/F
RONALD JOSEPH & CHERYL ANN ROSSI

AP 22-2, LOT 84
N/F
WALDEN WOODS ASSOCIATES

AP 22, LOT 311
N/F
LINDA FRANCISCO

Scale: 1"=120'

0 60' 120' 240'

Certification

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

TYPE OF SURVEY: LIMITED CONTENT BOUNDARY SURVEY - PERIMETER CLASS I

MEASUREMENT SPECIFICATION:

THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS: PERIMETER RETRACEMENT PERFORMED BY DIPRETE ENGINEERING FOR THE PURPOSE OF SITE ENGINEERING AND PERMITTING.

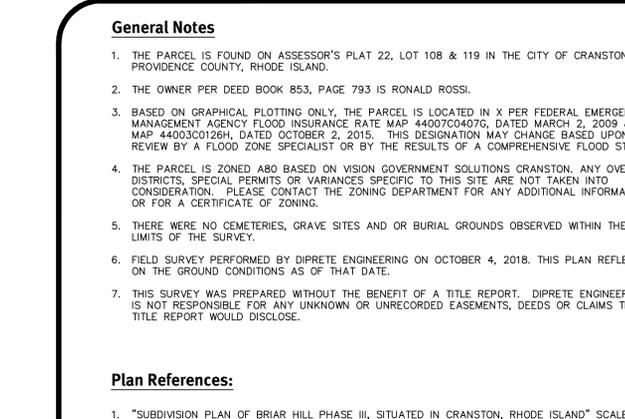
ROBERT G. BABCOCK
No. 2504
PROFESSIONAL LAND SURVEYOR

2/7/2019
ROBERT G. BABCOCK, RIPLS #2504, COA #LS.0004160

Legend

NOT ALL ITEMS SHOWN WILL APPEAR ON THE SURVEY

| | | | |
|--|--------------------|--|---------------------------|
| | BUILDING | | NAIL FOUND/SET |
| | ASSESSOR'S PLAT | | DRILL HOLE FOUND/SET |
| | NOW OR FORMERLY | | IRON ROD/PIPE FOUND/SET |
| | DEED | | BOUND FOUND/SET |
| | MEASURED | | SIGN |
| | CHORD ANGLE | | BOLLARD |
| | HANDICAPPED | | SOIL EVALUATION |
| | PROPERTY LINE | | CATCH BASIN |
| | ASSESSOR'S LINE | | DOUBLE CATCH BASIN |
| | TREELINE | | DRAINAGE MANHOLE |
| | GUARDRAIL | | FLARED END SECTION |
| | FENCE | | GUY POLE |
| | RETAINING WALL | | ELECTRIC MANHOLE/HANDHOLE |
| | STONE WALL | | UTILITY/POWER POLE |
| | MINOR CONTOUR LINE | | LIGHTPOST |
| | MAJOR CONTOUR LINE | | SEWER/SEPTIC MANHOLE |
| | WATER LINE | | SEWER VALVE |
| | SEWER LINE | | CLEANOUT |
| | SEWER FORCE MAIN | | HYDRANT |
| | GAS LINE | | IRRIGATION VALVE |
| | ELECTRIC LINE | | WATER VALVE |
| | OVERHEAD WIRES | | WELL |
| | DRAINAGE LINE | | MONITORING WELL |
| | | | UNKNOWN MANHOLE |
| | | | GAS VALVE |
| | | | ELECTRIC LINE |
| | | | WETLAND FLAG |
| | | | BENCH MARK |
| | | | SHRUB |
| | | | TREE |



Boundary Survey
Natick Avenue Solar

Assessor's Plat 22-3, Lots 108 & 119
Cranston, Rhode Island

Client
Natick Solar, LLC
349 Centerville Road, Warwick, Rhode Island 02886
tel: 401-981-2712

Drawn By: E.L.T.

DATE: 2/7/2019
DATE: 10/02/2018
DATE: 10/02/2018

Scale: 1"=120'

0 60' 120' 240'

Diprete Engineering

Two Stafford Court Cranston, RI 02920
tel: 401-943-1000 fax: 401-641-6006 www.diprete-eng.com

Boston • Providence • Newport

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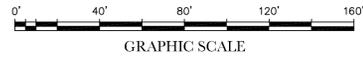
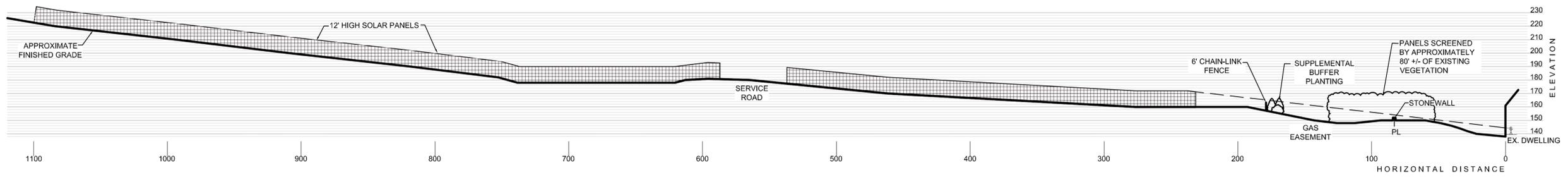
Boundary Survey
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Cranston, Rhode Island

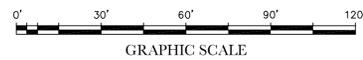
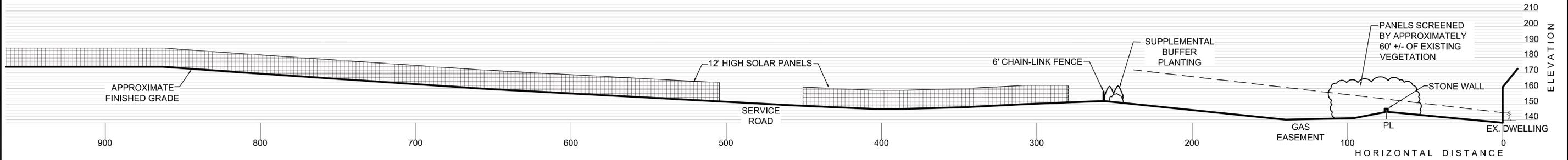
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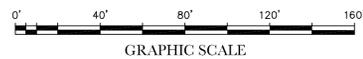
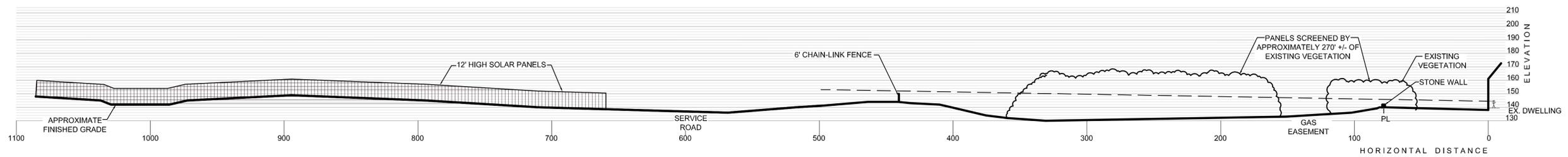
DATE: 2/7/2019
DATE: 10/02/201



1. A.P. 22-3, LOT 50



2. A.P. 22-3, LOT 50



3. A.P. 22-3, LOT 50

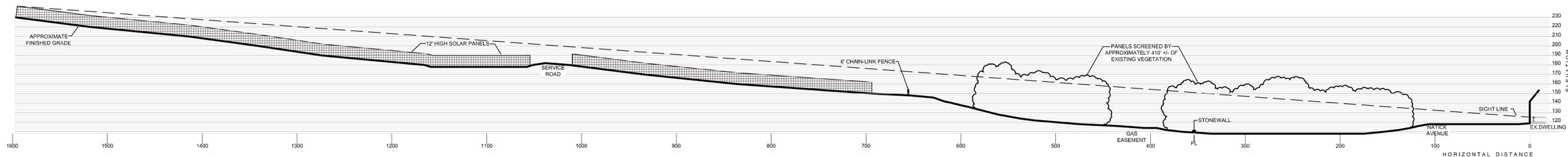


CROSS SECTIONS 1
NATICK AVENUE SOLAR
 ASSESSOR'S PLAT 22-3 LOTS 108 & 119
 CRANSTON, RHODE ISLAND
 PREPARED BY
JOHN C. CARTER & COMPANY, INC.
 LANDSCAPE ARCHITECTURE
 960 Boston Neck Road
 Narragansett, RI 02882
 (401) 783-3500 Fax: (401) 792-1327

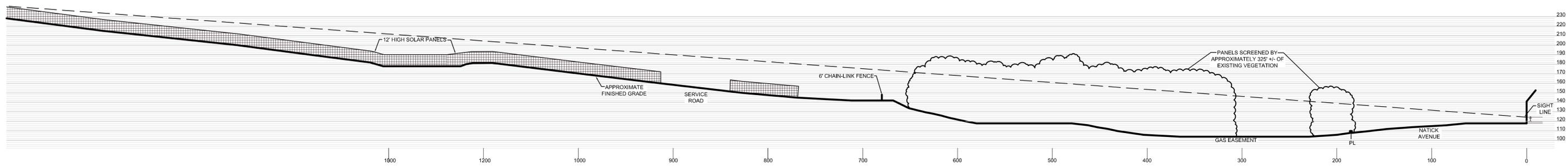
| NO. | DATE | DESCRIPTION | BY |
|-----|----------|------------------------------|--------|
| 05 | 04-1-25 | UPDATED PER LAYOUT REVISIONS | L.M.W. |
| 02 | 01-30-20 | TRANSEC'S UPDATED | L.M.W. |
| 03 | 10-22-20 | TRANSEC'S UPDATED | L.M.W. |
| 02 | 10-07-20 | TRANSEC'S UPDATED | L.M.W. |
| 01 | 12-22-20 | TRANSEC'S UPDATED | L.M.W. |
| | | GRADING | |

PREPARED FOR
REVITY ENERGY, LLC.
 117 Metro Center Blvd.
 Warwick, RI
 MAY 8, 2020
 DWN. BY: L.M.W.

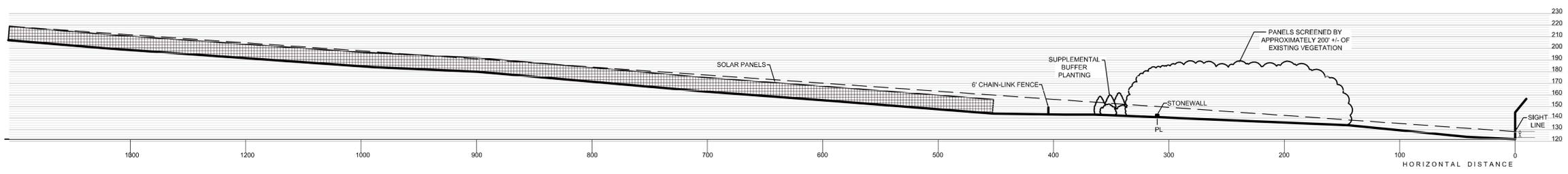
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4. A.P. 18-1, LOT 551



5. A.P. 18-1, LOT 551



6. A.P. 22-3, LOT 5

CROSS SECTIONS 2

NATICK AVENUE SOLAR

ASSESSOR'S PLAT 22-3 LOTS 108 & 119
CRANSTON, RHODE ISLAND

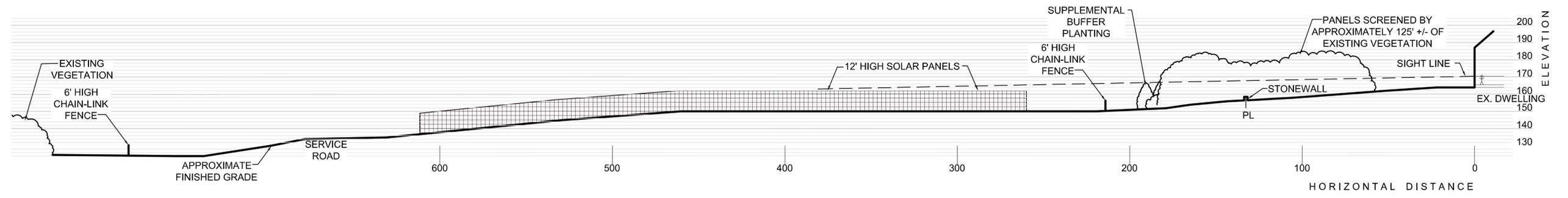
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(401) 783-3500 Fax: (401) 792-1327

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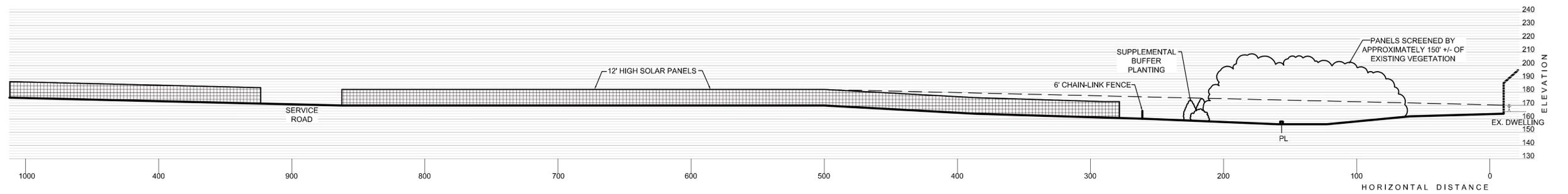
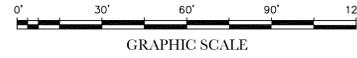
SHEET **3** OF 6

| NO. | DATE | DESCRIPTION | BY |
|-----|-------------|------------------------------|-----|
| 01 | 04-1-20 | UPDATED PER LAYOUT REVISIONS | LMW |
| 02 | 03-10-22-20 | TRANSECTS UPDATED | LMW |
| 03 | 02-10-07-20 | TRANSECT ADDED | LMW |
| 04 | 01-09-22-20 | GRADING | LMW |

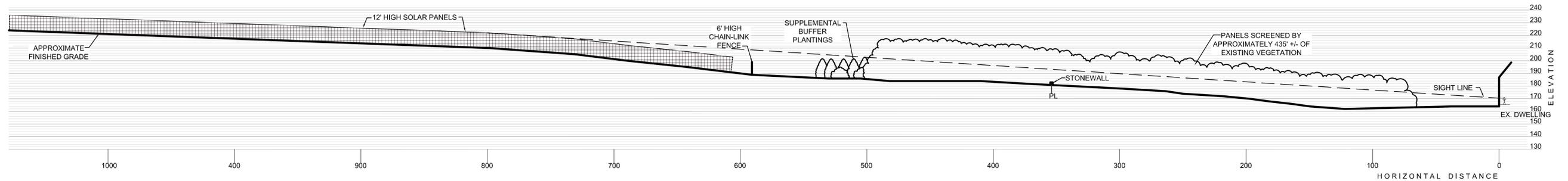
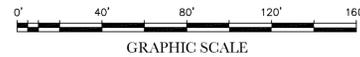
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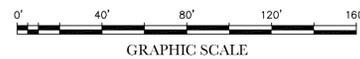
7. A.P. 22-4, LOT 118



8. A.P. 22-4, LOT 118



9. A.P. 22-4, LOT 118



CROSS SECTIONS 2
NATICK AVENUE SOLAR

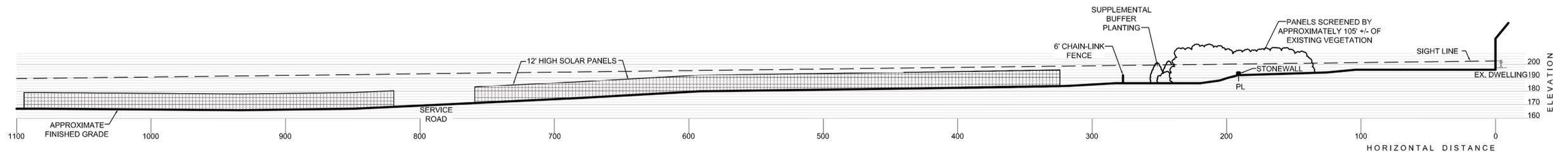
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LANDSCAPE ARCHITECTURE
960 Boston Neck Road
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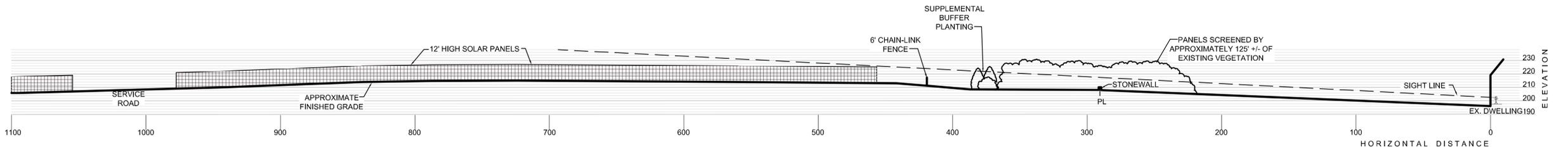
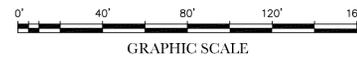
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117 Metro Center Blvd.
Warwick, RI

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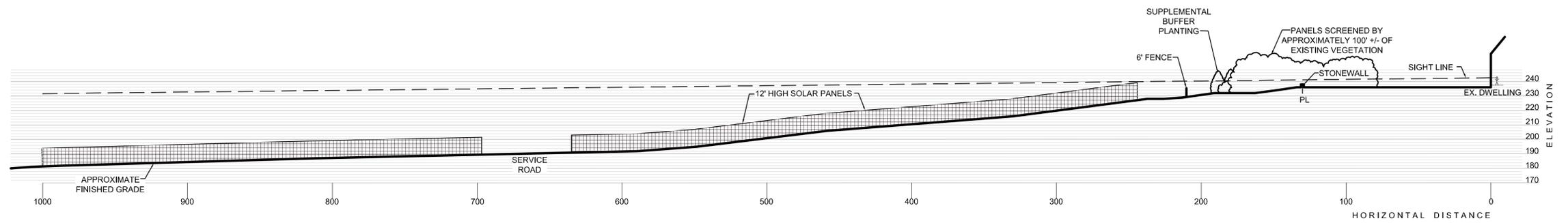
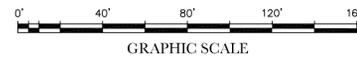
MAY 8, 2020
DWN. BY: L.M.W.



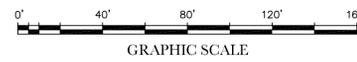
10. A.P. 22-4, LOT 122



11. A.P. 22-4, LOT 122



12. A.P. 22-4, LOT 324



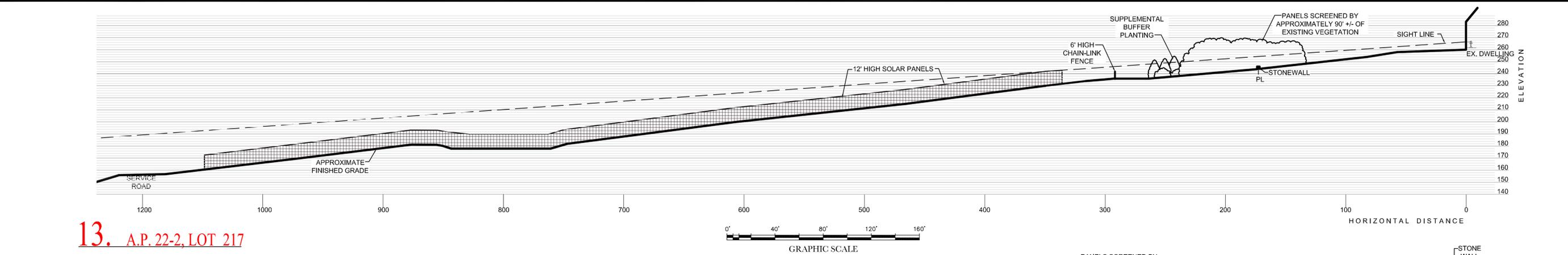
CROSS SECTIONS 3
NATICK AVENUE SOLAR
 ASSESSOR'S PLAT 22-3 LOTS 108 & 119
 CRANSTON, RHODE ISLAND
 PREPARED BY
JOHN C. CARTER & COMPANY, INC.
LANDSCAPE ARCHITECTURE
 960 Boston Neck Road
 Narragansett, RI 02882
 (401) 783-3500 Fax: (401) 792-1327

| NO. | DATE | DESCRIPTION | BY |
|-----|----------|------------------------------|--------|
| 04 | 04-1-20 | UPDATED PER LAYOUT REVISIONS | L.M.W. |
| 03 | 10-22-20 | TRANSECTS UPDATED | L.M.W. |
| 02 | 10-07-20 | TRANSECTS UPDATED | L.M.W. |
| 01 | 09-22-20 | GRADING | L.M.W. |

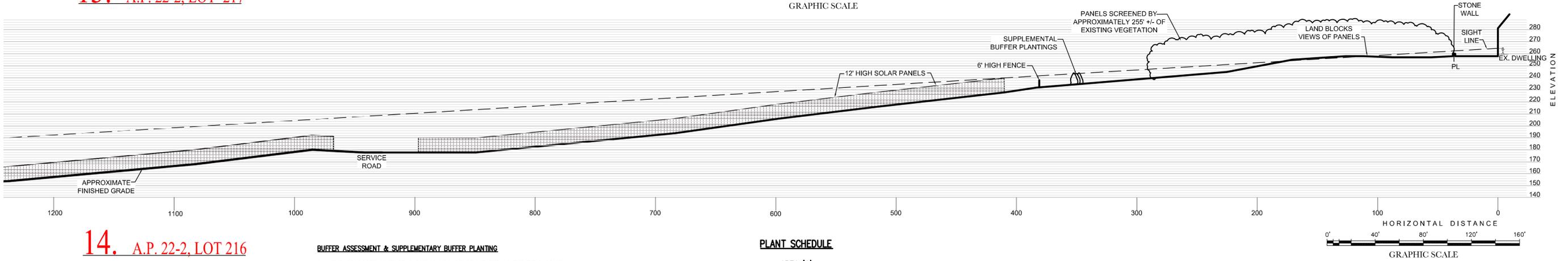
PREPARED FOR
REVITY ENERGY, LLC.
 117 Metro Center Blvd.
 Warwick, RI
 MAY 8, 2020
 DWN. BY: L.M.W.

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13. A.P. 22-2, LOT 217



14. A.P. 22-2, LOT 216



BUFFER ASSESSMENT & SUPPLEMENTARY BUFFER PLANTING

1. THE PROPOSED LIMIT OF CLEARING WILL BE DELINEATED IN THE FIELD PRIOR TO ANY LOT CLEARING.
2. LARGE TREES ON THE SOUTH PROPERTY LINE THAT CAST SHADE ON THE SOLAR ARRAY SHALL BE SELECTIVELY REMOVED.

PLANTING SEQUENCE

1. CARE SHALL BE TAKEN TO NOT DAMAGE THE EXISTING BUFFER VEGETATION WHILE INSTALLING ADDITIONAL PLANTS.
2. IF POSSIBLE, EXCAVATION SHALL BE AVOIDED WITHIN THE DRIP-LINE OF THE EXISTING TREES.

PLANTING:

1. PROVIDE QUALITY PLANTS IN THE GENUS, SPECIES AND VARIETY INDICATED IN THE PLANT SCHEDULE, COMPLYING WITH APPLICABLE REQUIREMENTS OF "ANSI Z60.1 AMERICAN STANDARD FOR NURSERY STOCK."
2. PROVIDE PLANTS IN THE SIZE AND NUMBER INDICATED IN THE PLANT SCHEDULE.
3. DELIVER FRESH DUG TREES WHICH ARE BALLED AND BURLAPPED. SHRUBS MAY BE BALLED AND BURLAPPED OR IN CONTAINERS. ALL PLANTS ARE TO BE HEALTHY, VIGOROUS AND FREE OF INSECTS AND DISEASE.
4. PLANTS ARE TO BE INSTALLED AS SPECIFIED IN THE PLANTING DETAILS WITH ADEQUATE WATER PROVIDED DURING PLANTING TO ALLOW COMPACTION OF THE PLANTING SOIL TO PREVENT ANY AIR POCKETS OR SETTLEMENT AFTER PLANTING.
5. ALL PLANTING BEDS ARE TO BE COVERED WITH 2" OF WOOD CHIP MULCH.
6. RECOMMENDED PLANTING DATES ARE APRIL 15 TO JUNE 15 AND SEPTEMBER 15 TO NOVEMBER 15.
7. PLANT SUBSTITUTIONS SHALL BE ALLOWED BASED ON AVAILABILITY. SUBSTITUTIONS MAY BE MADE ONLY WITH DIRECT APPROVAL FROM THE APPLICANT'S LANDSCAPE ARCHITECT OR OWNER. ALL SUBSTITUTIONS SHALL BE THE SAME PLANTING HEIGHT AND GROWTH HABIT AS THE PLANT BEING SUBSTITUTED.

MAINTENANCE & WARRANTY:

1. AFTER PLANTING IS COMPLETED, THE OWNER SHALL BE RESPONSIBLE TO PROVIDE ADEQUATE WATER TO ENSURE HEALTHY AND VIGOROUS GROWTH.
2. ANY PLANT WHICH IS NOT ALIVE AND GROWING SATISFACTORILY WITHIN A THREE-YEAR PERIOD SHALL BE REPLACED BY THE CONTRACTOR IN CONFORMANCE WITH THE PLANTING SPECIFICATIONS.
3. PLANTINGS IN AREA D WILL BE TRIMMED TO A HEIGHT OF NO LESS THAN 12'. PLANTINGS IN AREA E WILL BE TRIMMED TO A HEIGHT OF NO LESS THAN 18'.
4. CONTROL OF GROWTH UNDER THE PANELS SHALL BE LIMITED TO MECHANICAL METHODS (MOWING). NO HERBICIDES OR OTHER CHEMICAL MEANS MAY BE USED TO CONTROL GROWTH UNDER THE PANELS.

PLANT SCHEDULE

AREA 'A'

| KEY | QTY | BOTANICAL NAME | COMMON NAME | SIZE | NOTES |
|-----|-----|----------------|--------------------|----------|----------|
| PS | 10 | PINUS STROBUS | EASTERN WHITE PINE | 5-8' HT. | 10' O.C. |

AREA 'B'

| KEY | QTY | BOTANICAL NAME | COMMON NAME | SIZE | NOTES |
|-----|-----|-----------------------------|------------------------|------|----------|
| PS | 10 | PINUS STROBUS | EASTERN WHITE PINE | 5-8' | 10' O.C. |
| TP | 4 | THUJA PLICATA 'GREEN GIANT' | GREEN GIANT ARBORVITAE | 5-8' | 10' O.C. |

AREAS 'C', 'D' & 'E'

| KEY | QTY | BOTANICAL NAME | COMMON NAME | SIZE | NOTES |
|-----|-----|--|-------------------------------------|-----------|-------|
| AC1 | 35 | AMELANCHIER CANADENSIS OR BETULA POPULIFOLIA | SHADBLOW SERVICEBERRY OR GRAY BIRCH | 5-6' HT. | CLUMP |
| AC2 | 50 | AMELANCHIER CANADENSIS OR BETULA POPULIFOLIA | SHADBLOW SERVICEBERRY OR GRAY BIRCH | 8-10' HT. | CLUMP |
| IO | 20 | ILEX OPACA | AMERICAN HOLLY | 4-5' HT. | |
| JV | 95 | JUNIPERUS VIRGINIANA | EASTERN RED CEDAR | 7-8' HT. | |
| PS1 | 30 | PINUS STROBUS | EASTERN WHITE PINE | 4-5' HT. | |
| PS2 | 30 | PINUS STROBUS | EASTERN WHITE PINE | 7-8' HT. | |

SHRUBS

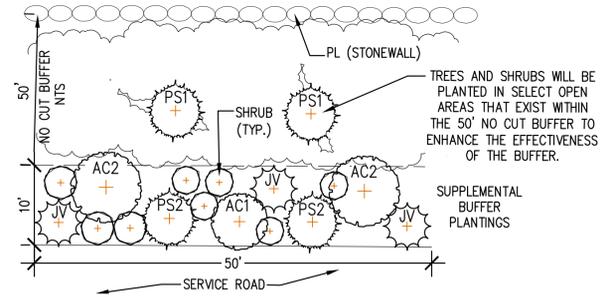
| KEY | QTY | BOTANICAL NAME | COMMON NAME | SIZE |
|-----|-----------|-----------------------|---------------------|----------|
| + | 200 TOTAL | VACCINIUM CORYMBOSUM | HIGH BUSH BLUEBERRY | 2 1/2-3' |
| + | | VIBURNUM DENTATUM | ARROWWOOD VIBURNUM | 2 1/2-3' |
| + | | MORELLA PENNSYLVANICA | BAYBERRY | 2 1/2-3' |
| + | | CORNUS RACEMOSA | GRAY DOGWOOD | 2 1/2-3' |

SEED MIXES:

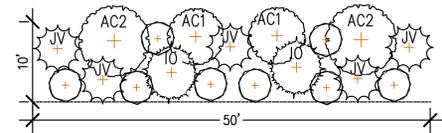
REFER TO LEC ENVIRONMENTAL CONSULTANTS, INC. SEED MIX AS STATED IN FINAL APPROVED REPORT.

DETENTION PONDS AND STEEP SLOPES WILL BE SEEDDED AS SPECIFIED IN THE DEM APPROVED PLAN PREPARED BY DIPRETE ENGINEERING.

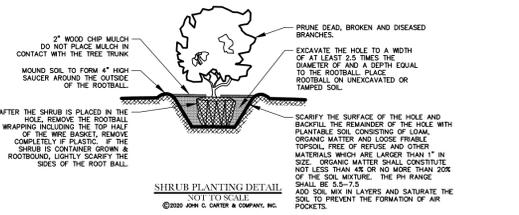
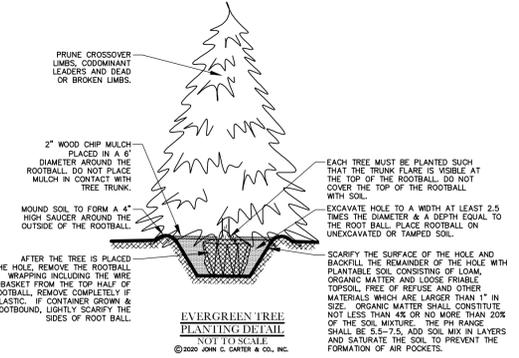
NOTE: PLANT AREAS 'A' AND 'B' ARE NOT PART OF THE NATICK AVENUE SOLAR PROJECT UNDER REVIEW BY THE CITY OF CRANSTON.



C - TYPICAL SUPPLEMENTAL PLANTING DETAIL - 50' PATTERN
SCALE: NTS



D & E - TYPICAL (AMENDED) SUPPLEMENTAL PLANTING DETAIL - 50' PATTERN
SCALE: NTS



CROSS SECTIONS 4
NATICK AVENUE SOLAR

ASSESSOR'S PLAT 22-3 LOTS 108 & 119
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REVITY ENERGY, LLC.
117 Metro Center Blvd.
Warwick, RI

| NO. | DATE | DESCRIPTION | BY |
|-------------|------|------------------------------|-----|
| 08-04-1-25 | | UPDATED PER LAYOUT REVISIONS | LMW |
| 07-01-03-22 | | PLANTABLE SOIL NOTE, MAIN | LMW |
| 06-01-15-21 | | NOTES & REMOVED AREA | LMW |
| 05-01-14-21 | | UPDATED PLANTING NOTE | LMW |
| 04-11-30-20 | | PLANTING SCHEDULES & NOTES | LMW |
| 03-10-22-20 | | PLANTING SCHEDULES & DETAIL | LMW |
| 02-10-07-20 | | TRANSIENTS UPDATED NOTES | LMW |
| 01-7-22-20 | | GRADING | LMW |
| NO. | DATE | DESCRIPTION | BY |

MAY 8, 2020
DWN. BY: L.M.W.