



Jesse A. Langer
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(f) 203.772.2037
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May 31, 2019

***VIA FEDERAL EXPRESS AND
ELECTRONIC MAIL***

Melanie.bachman@ct.gov
Siting.council@ct.gov

Ms. Melanie A. Bachman, Esq., Executive Director
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

Re: Petition 1367

Dear Attorney Bachman:

This office represents CP Middletown Solar I, LLC and CP Middletown Solar II, LLC (“Petitioners”) in connection with the above-mentioned Petition. After discussions with the Department of Energy and Environmental Protection (“DEEP”), Petitioners would like to make some minor changes to the configuration of the solar photovoltaic electric generating facilities (“Project”) the Connecticut Siting Council approved on May 24, 2019 (“Approval”).

Petitioners are submitting these revised plans with DEEP for purposes of registration under the DEEP’s General Permit for the Discharge of Stormwater and Dewatering Wastewater from Construction Activities (“General Permit”). A copy of these plans is attached for your review. A hardcopy will follow by federal express.

The minor changes flow from the DEEP’s determination that the entire footprint of the Project constitutes a disturbance for purposes of the General Permit as set forth in their comments, dated May 13, 2019. Petitioners would like to move the location of the cable tray for electrical cables slightly from east to west and change the cable trays to an underground conduit. This change would make the Project electrically more efficient and cost effective. This minor change would result in a slight shift in the modules that are east of the existing dividing line of the two solar systems so the modules are connected to the east system physically. The Project configuration as approved would otherwise remain unchanged, including the overall footprint, module count and the size of each system.

Updike, Kelly & Spellacy, P.C.
8 Frontage Road ■ East Haven, CT 06512-2101 (t) 203.467.7337 (f) 203.468.7865 www.uks.com

In the Petition, Petitioners situated the cables in the area where the wind row of trees would be removed to avoid additional cable trenching. This was proposed to keep the total disturbance on site to less than one acre. To effectuate this goal, Petitioners supplemented their design with expensive over-ground cable trays. The over-ground cable trays are neither cost effective nor industry standard for post driven ground mounted systems. Over-ground cable trays are typically used on landfill solar installations to avoid puncturing landfill caps.

As a result of DEEP's determination, however, the costly over-ground cable trays no longer serve their intended purpose. The above-mentioned minor change would make the Project: (a) electrically more efficient; (b) in line with standard industry practice with post driven ground mounted systems; and (c) cost effective. Most importantly, according to All-Points Technology Corporation, P.C., who is facilitating the submission to DEEP, the minor change would not have any impact on the environmental assessment and other conclusions contained in the Petition.

Petitioners respectfully request that this change be considered "minor" and approved by Council staff as set forth in the Council's Approval.

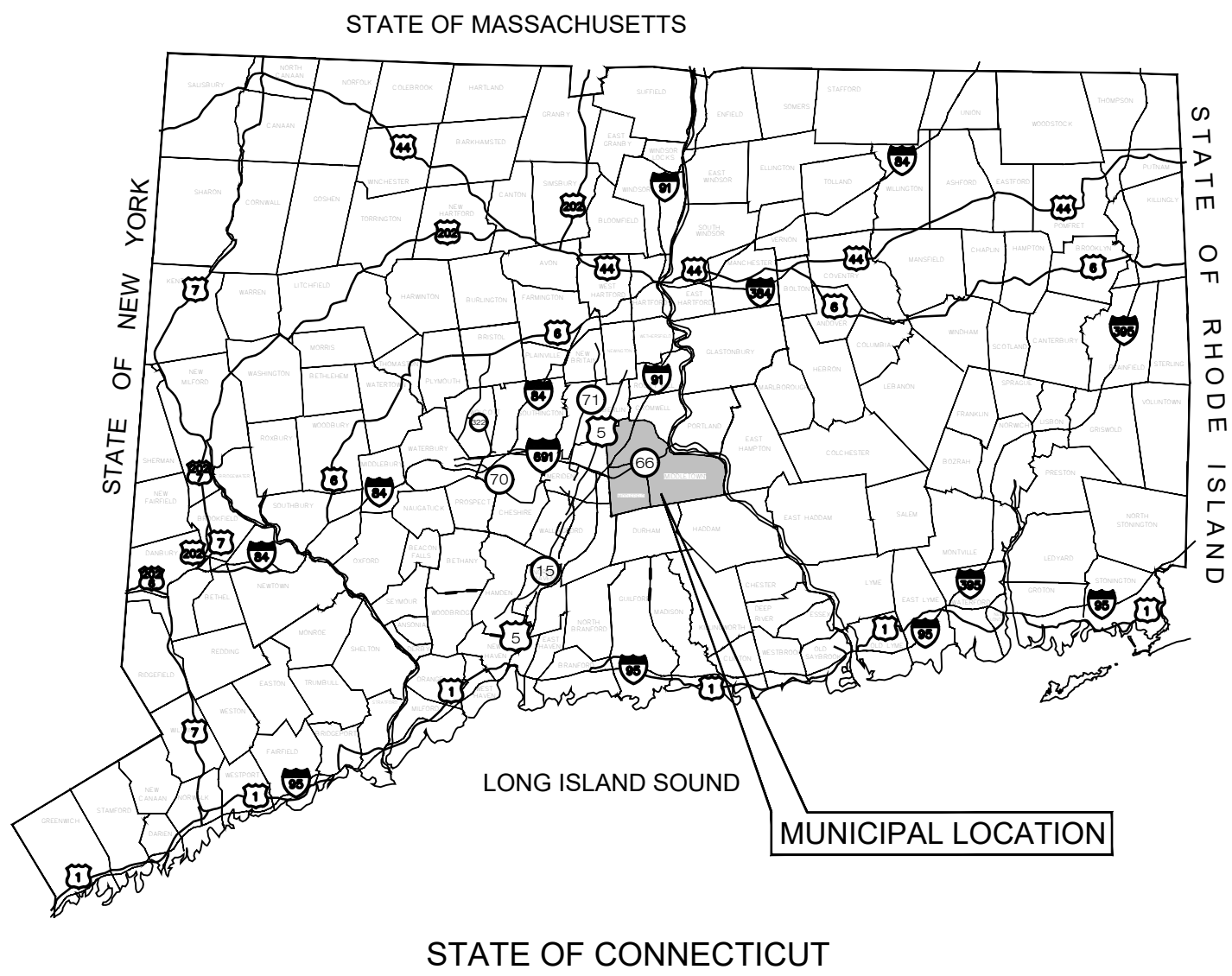
Please do not hesitate to contact me with any questions.

Very truly yours,



Jesse A. Langer





CITRINE POWER, LLC

"MIDDLETOWN/MIDDLEFIELD"

MERIDEN ROAD (ROUTE 66)

MIDDLEFIELD, CT 06455

LIST OF DRAWINGS

- T-1 TITLE SHEET & INDEX**
- 1 OF 1 EXISTING CONDITIONS PLAN PROVIDED BY MARTIN SURVEYING ASSOC., LLC**
- OP-1 OVERALL LOCUS MAP**
- SP-1 SITE PLAN**
- EC-1 SEDIMENTATION & EROSION CONTROL PLAN**
- EC-2 SEDIMENTATION & EROSION CONTROL NOTES & DETAILS**
- DN-1 SITE DETAILS**
- DN-2 SITE NOTES**

SITE INFORMATION

SITE NAME: "MIDDLETOWN/MIDDLEFIELD"
MERIDEN ROAD (ROUTE 66)
LOCATION: MIDDLEFIELD, CT 06455

SITE TYPE/DESCRIPTION: ADD (2) GROUND MOUNTED SOLAR PANEL ARRAY W/ ASSOCIATED EQUIPMENT.
EAST ARRAY 0.986±MW
WEST ARRAY 1.0±MW

PROPERTY OWNER: BARBARA J. PENNEY
and
ANN CHARTON
41 CHELSEA DRIVE
CROMWELL, CT 06416

APPLICANTS: CITRINE POWER, LLC,
CP MIDDLETOWN I, LLC &
CP MIDDLETOWN II, LLC.
55 GREEN FARMS ROAD
WESTPORT, CT 06880
PHONE: 203.557.5554

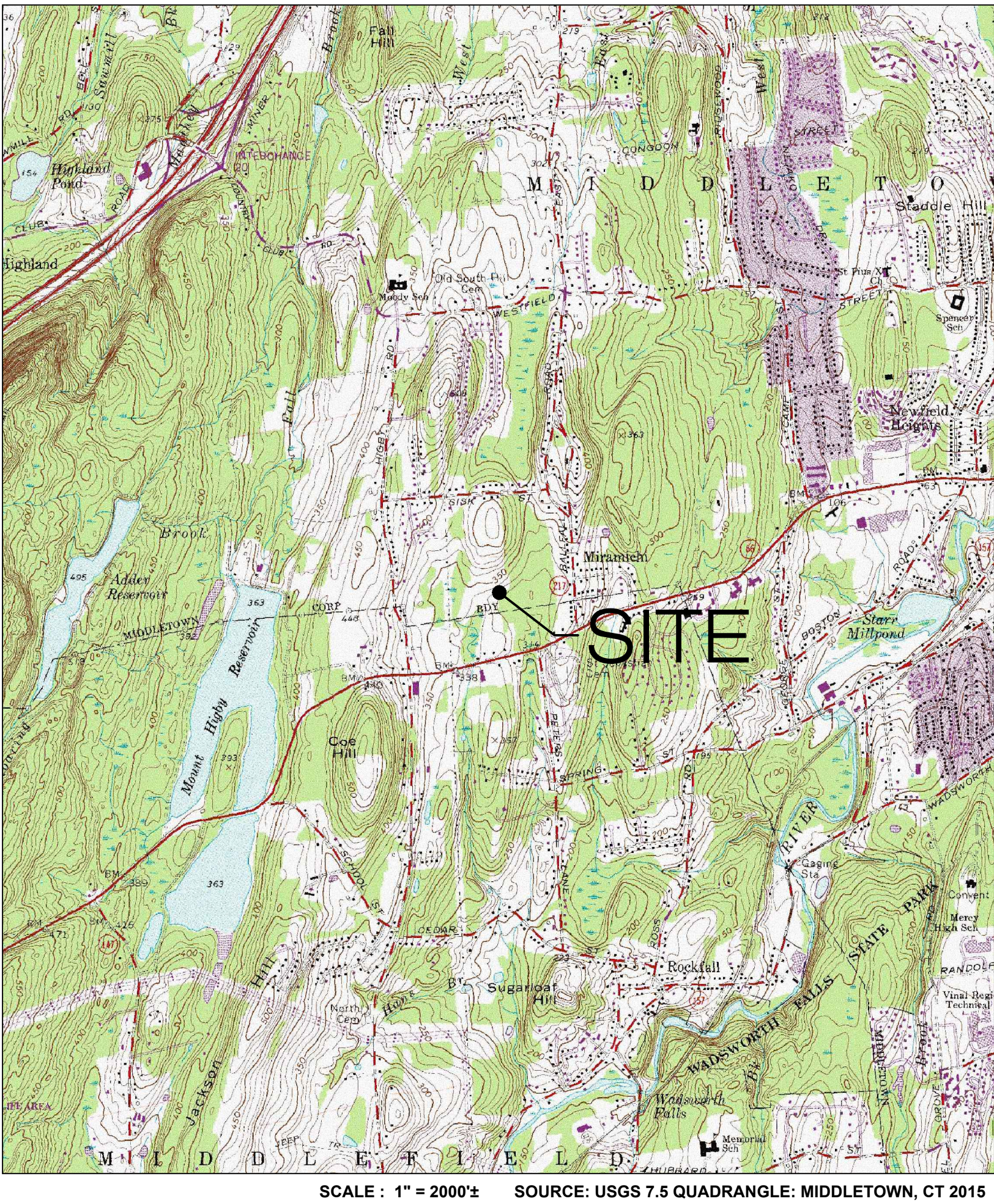
ENGINEER CONTACT: BRADLEY J. PARSONS, P.E.
(860) 663-1697 x208

LATITUDE: 41°32'46.22" N
LONGITUDE: 72°42'23.61" W
ELEVATION: 332 ± AMSL

ZONE: DESIGN DISTRICT #1 (MIDDLEFIELD)
RESIDENTIAL 15 (MIDDLEFIELD)
EXISTING LAND USE: SINGLE FAMILY RESIDENTIAL & AGRICULTURAL
PROPOSED LAND USE: LARGE SCALE GROUND MOUNTED SOLAR PHOTOVOLTAIC INSTALLATIONS

TOTAL PROJECT ACREAGE: 8.7 ± AC.
TOTAL DISTURBED AREA: 0.95 ± AC.

USGS TOPOGRAPHIC MAP



55 GREENS FARMS ROAD
WESTPORT, CT 06880
OFFICE: (203)-557-5554



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KILLINGWORTH, CT 06419 FAX: (860)-663-0935
WWW.ALLPOINTSTECH.COM

PERMITTING

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6		

DESIGN PROFESSIONAL OF RECORD

PROF: BRADLEY J. PARSONS P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION
ADD: 3 SADDLEBROOK DRIVE
KILLINGWORTH, CT 06419

OWNER: BARBARA J. PENNEY
& ANN CHARTON
ADDRESS: 41 CHELSEA DRIVE
CROMWELL, CT 06416

MIDDLETOWN/MIDDLEFIELD

SITE MERIDEN ROAD (ROUTE 66)
ADDRESS: MIDDLEFIELD, CT 06455

APT FILING NUMBER: CT567100

DRAWN BY: RAG
DATE: 03/29/19 CHECKED BY: BJP

SHEET TITLE:

TITLE SHEET & INDEX

SHEET NUMBER:

T-1

MAP NOTES:

1. THIS MAP AND SURVEY HAVE BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND "THE MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" HAVING AN EFFECTIVE DATE OF OCTOBER 26, 2018.
2. THE TYPE OF SURVEY PERFORMED AND THE MAPPED FEATURES DEPICTED HEREON ARE IN ACCORDANCE WITH THE REQUIREMENTS OF A PROPERTY SURVEY.
3. THE PROPERTY/ BOUNDARY DETERMINATION/OPINION IS BASED UPON A FIRST SURVEY OF THE SUBJECT PARCEL..
4. THE HORIZONTAL BASELINE CONFORMS TO A CLASS A-2 ACCURACY.

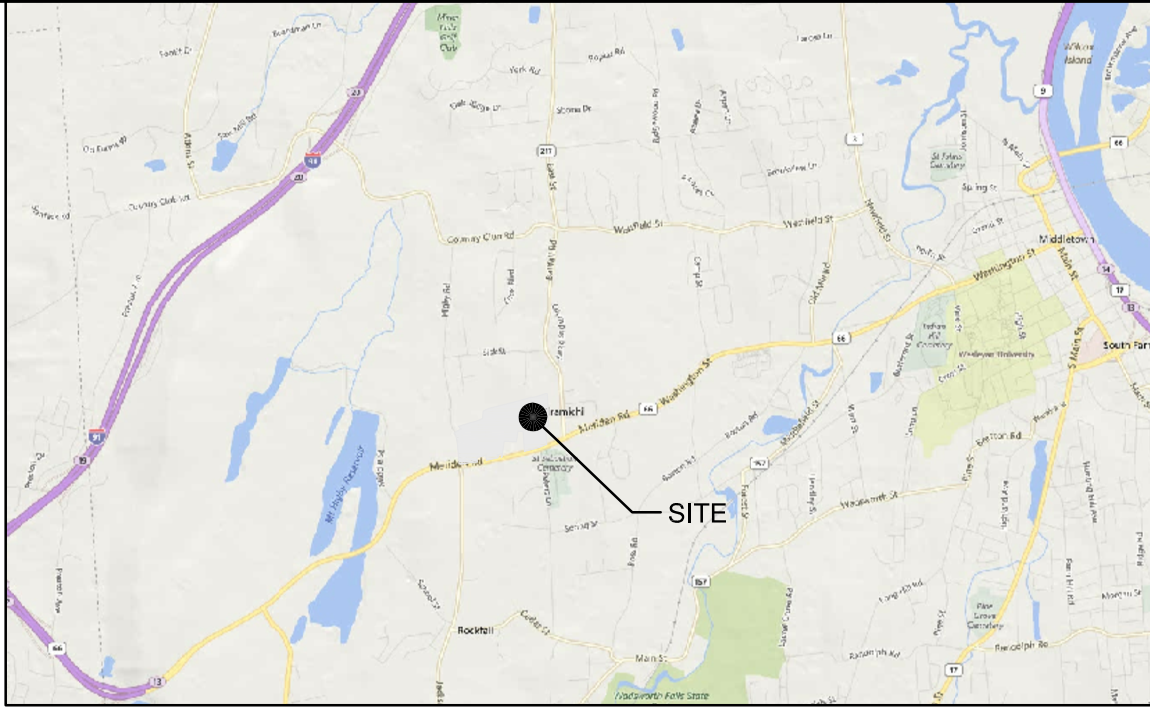
MAP NOTES (CONTINUED):

4. THE NORTH ARROW AND BEARINGS ARE BASED UPON THE CONNECTICUT STATE COORDINATE SYSTEM N.A.D. 1983 (2011). THE ELEVATIONS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) USING GEOID 12B. COORDINATES AND ELEVATIONS WERE DETERMINED FROM RTK GPS OBSERVATIONS MADE ON JANUARY 8, 2019, USING THE CT DOT RTK NETWORK KNOWN AS ACORN (CTNE BASE), HAVING THE FOLLOWING VALUES:

LATITUDE = N 41° 40' 24.71719"
LONGITUDE = W 72° 42' 52.25224"
ELLIPSOID HEIGHT = 41.740M

THE FOLLOWING MAP REFERENCES CAN BE FOUND AT THE CONNECTICUT DEPARTMENT OF TRANSPORTATION DISTRICT 1:

1. "RIGHT OF WAY MAP, TOWN OF MIDDLEFIELD, MERIDEN-MIDDLETOWN ROAD, FROM THE MIDDLETOWN TOWN LINE WESTERLY ABOUT 5,000 FEET ROUTE NO. 14" (SHEETS 1-2) SCALE: 1"=40' DATED: OCTOBER 9, 1933 BY: CONNECTICUT STATE HIGHWAY DEPARTMENT.
2. "RIGHT OF WAY MAP, TOWN OF MIDDLEFIELD, MERIDEN-MIDDLETOWN ROAD FROM BESECK LAKE ROAD EASTERLY ABOUT 7,100 FEET, ROUTE NO. 14" (SHEET 3 OF 3) SCALE: 1"=40' DATED: OCTOBER 9, 1933 BY: CONNECTICUT STATE HIGHWAY DEPARTMENT.



SITE LOCATION MAP (NOT TO SCALE)

THE FOLLOWING MAP REFERENCES CAN BE FOUND IN THE TOWN OF MIDDLEFIELD LAND RECORDS:

- A. "TOWN OF MIDDLEFIELD, MAP SHOWING LAND ACQUIRED FROM JENNIE MAKUCH, RELOCATION OF ROUTE 66" SCALE: 1"=40' DATED: SEPTEMBER 16, 1997 BY: THE STATE OF CONNECTICUT.
- B. "TOWN OF MIDDLEFIELD, MAP SHOWING LAND ACQUIRED FROM S.J. CARTELLI, ESQ. TRUSTEE, RELOCATION OF ROUTE 66" SCALE 1"=40' DATED: SEPTEMBER 16, 1997 BY: THE STATE OF CONNECTICUT.
- C. "TOWN OF MIDDLEFIELD AND CITY OF MIDDLETOWN, MAP SHOWING LAND ACQUIRED FROM S.J. CARTELLI, ESQ. TRUSTEE, RELOCATION OF ROUTE 66" SCALE 1"=40' DATED: AUGUST, 2001 BY: THE STATE OF CONNECTICUT.
- D. "TOWN OF MIDDLEFIELD =, MAP SHOWING EASEMENT ACQUIRED FROM HEIRS OF ADOLF MAKUCH FOR THE RELOCATION OF CONNECTICUT ROUTE 66" SCALE: 1CM=5CM DATED: AUGUST, 1998 BY: THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION.
- E. "TOWN OF MIDDLEFIELD, MAP SHOWING LAND ACQUIRED FROM JENNIE MAKUCH, RELOCATION OF ROUTE 66" SCALE: 1"=40' DATED: JULY, 2001 BY: THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION.
- F. "MAP OF A PORTION OF LAND OF FRANK MAKUCH MIDDLETOWN, CONNECTICUT" SCALE: 1"=30' DATED: AUGUST, 1961 BY: L.F. QUIRK.
- G. "MAP SHOWING LAND TO BE PURCHASED FROM ADOLF MAKUCH AND JENNIE MAKUCH TOWN OF MIDDLEFIELD, CONNECTICUT" SCALE 1"=100' DATED" JANUARY, 1933 BY: THE CONNECTICUT POWER COMPANY.
- H. "MAP SHOWING RIGHT OF WAY ACROSS PROPERTY OF ADOLF MAKUCH AND JENNIE MAKUCH TOWNS OF MIDDLEFIELD AND MIDDLETOWN, CONNECTICUT" SCALE:1"200' DATED: JANUARY, 1953 BY: THE CONNECTICUT POWER COMPANY.
- I. "MAP SHOWING PORTION OF PROPERTY OF FRANK & ANNA MAKUCH PROPERTY MIDDLEFIELD, CONNECTICUT" SCALE:1"=40' DATED: AUGUST 29, 1942 BY: L.F. QUIRK.
- J. "MAP OF PROPERTY CONVEYED TO ALLEN C. ROBERTS BY FRANK MAKUCH MIDDLEFIELD, CONNECTICUT" SCALE:1"=50' DATED: NOVEMBER 30, 1941 BY: ILLEGIBLE.
- K. "MAP FOR CONVEYANCE OF A PORTION OF THE FRANK MAKUCH PROPERTY MIDDLEFIELD, CONNECTICUT" SCALE: 1"=40' DATED: MARCH 1943 BY: THOMAS H. SELLEW JR.
- L. "SKETCH SHOWING PORTION OF MARY JARZEBEK PROPERTY MERIDEN-MIDDLETOWN ROAD MIDDLEFIELD, CONNECTICUT" SCALE: 1"=40' DATED: SEPTEMBER 10, 1941 BY: L.F. QUIRK.
- M. "MAP OF CONGETTINA S. CARTA PROPERTY MIDDLEFIELD, CONNECTICUT" SCALE: 1"=30' DATED: MARCH, 1947 BY: L.F. QUIRK.
- N. "MAP OF GENEVIEVE J. & CHARLES LOCHOWSKI PROPERTY MIDDLETOWN & MIDDLEFIELD, CONNECTICUT" SCALE:1"=50' DATED: MAY, 1955 BY: L.F. QUIRK
- O. "SKETCH OF PROPERTY OF EDWARD MAKUCH MIDDLEFIELD, CONNECTICUT" DATED: SEPTEMBER 10, 1941 BY: L. NORMAN GERMAIN.
- P. "TOWN OF MIDDLEFIELD, MAP SHOWING EASEMENT TO BE ACQUIRED FROM ADOLPH J. MAKUCH, CLIMBING LANE ON ROUTE U.S. 6A" SCALE:1"=40' DATED: APRIL, 1965 BY: THE STATE OF CONNECTICUT.
- Q. PLAT SHOWING THE DIVISION LINE BETWEEN THE TOWNS MIDDLETOWN AND MIDDLEFIELD ON THE NORTH SIDE OF MIDDLEFIELD" SCALE: 1"=300' DATE: ILLEGIBLE BY: ILLEGIBLE.

THE FOLLOWING MAP REFERENCES CAN BE FOUND IN THE CITY OF MIDDLETOWN LAND RECORDS:

- AA. "NEW LOCATION OF HIGHWAY LINES FOR PORTION OF BALLFALL ROAD MIDDLETOWN, CONNECTICUT" SCALE:1"=40' DATED: 1933 BY:LOUIS F. QUIRK.
- BB. "MAP OF SOPHIE J. & WALTER GAWLAK PROPERTY MIDDLETOWN, CONNECTICUT SCALE: 1"=40' DATED: APRIL, 1956 BY: L.F. QUIRK.
- CC. "SURVEY OF PORTION OF PROPERTY OF ADOLF & JENNIE MAKUCH & LEONARD E. & VIRGINIA N. BURR AND OTHERS, EAST SIDE OF HIGBY ROAD (AKA #217) TOWNS OF MIDDLEFIELD AND MIDDLETOWN, CONNECTICUT" SCALE: 1"=20' DATED: MAY, 26 1962 BY: ILLEGIBLE.
- DD. "MAP OF A PORTION OF MARY JARZABEK PROPERTY MIDDLETOWN, CONNECTICUT" SCALE: 1"=40' DATED: JUNE, 1947 BY: L.F. QUIRK.
- EE. "MAP OF A PORTION OF MARY JARZABEK PROPERTY MIDDLETOWN, CONNECTICUT" SCALE: 1"=40' DATED: JUNE 22, 1977 BY: P.F. JACHOWIAK.
- FF. "PROPERTY SURVEY LAND OF DENNA B. GILLS, RICHARD H. BIRDSEY & THOMAS E. BIRDSEY" SCALE: 1"=60' DATED: DECEMBER 18, 1996 BY: CONKLIN & SOROKA INC.
- GG. "PROPERTY OF JOHN AND JAMES KOLMAN HIGBY ROAD MIDDLETOWN, CONNECTICUT. SUBDIVISION PLAN & SITE DEVELOPMENT PLAN" SCALE: 1"=40' DATED: JULY, 10, 1992 BY: ILLEGIBLE.
- HH. "MAP SHOWING EASEMENT TO BE ACQUIRED FROM JOHN F. KOLMAN, JR. & JAMES KOLMAN, HIGBY ROAD MIDDLETOWN, CONNECTICUT" SCALE: 1"=40' DATED: MARCH, 1996 BY: GREINER INC.
- II. "RESUBDIVISION MAP, LAND OF DEANNA B. GILLS, RICHARD H. BIRDSEY & THOMAS E. BIRDSEY" SCALE: 1"=60' DATED:JULY 1, 1996 BY: CONKLIN & SOROKA INC.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

DEAN MARTIN
70147
LICENSE NO.

THIS DOCUMENT AND COPIES THEREOF ARE VALID ONLY IF THEY BEAR THE SIGNATURE AND EMBOSSED SEAL OF THE DESIGNATED LICENSED PROFESSIONAL UNAUTHORIZED ALTERATIONS TO THIS PLAN RENDER THE DECLARATION HEREON NULL AND VOID.

- LEGEND:
- IRON PIN (FOUND)
 - Rebar/Drill Hole (To Be Set)
 - MONUMENT (FOUND)
 - ⊙ MANHOLE
 - ⊙ DRAINAGE MANHOLE
 - ⊙ SANITARY MANHOLE
 - ⊙ ELEC. MANHOLE
 - ⊙ TELE. MANHOLE
 - "C" CATCH BASIN
 - "C-L" CATCH BASIN
 - ⊙ DECIDUOUS TREES
 - ☆ EVERGREEN TREES
 - ☼ SHRUB/BUSH
 - ⊙ FLAG POLE
 - ⊙ TRAFFIC CONTROL BOX
 - △ SIGN
 - ☆ POST
 - ☆ LIGHT POLE
 - ☆ GUY ANCHOR
 - ☆ UTILITY POLE
 - WG WATER GATE
 - WG WATER METER
 - GV GAS VALVE
 - GM GAS METER
 - ⊙ TRANSFORMER
 - ⊙ ELEC. METER
 - ⊙ MAIL BOX
 - HAND HOLE
 - ⊙ BUTTON BOX
 - ⊙ A.C. UNIT
 - ⊙ TRAFFIC LIGHT POLE

- BOUNDARY LINE
- GUARD RAIL
- UNDERGROUND PIPING (San.,Strm.)
- U/G GAS LINE
- U/G ELEC. LINE
- WATER LINE
- OVERHEAD UTILITIES
- U/G TELE. LINE
- CHAIN LINK FENCE
- TREE LINE



Surveying Associates, LLC
201 CHRISTIAN LANE BERLIN, CT 06037
860-832-9328 860-357-4604 (FAX)

REVISIONS:

**PROPERTY SURVEY
LAND OF
ANN CHARTON & BARBARA PENNY
MERIDEN-MIDDLETOWN ROAD (A/K/A CT RT 66)
&
HIGBY ROAD
MIDDLEFIELD & MIDDLETOWN,
CONNECTICUT**

MSA PROJECT NO: 18-119

SCALE: 1"=100'

DATE: 1/31/2019

DRAWN BY: G.S.D.

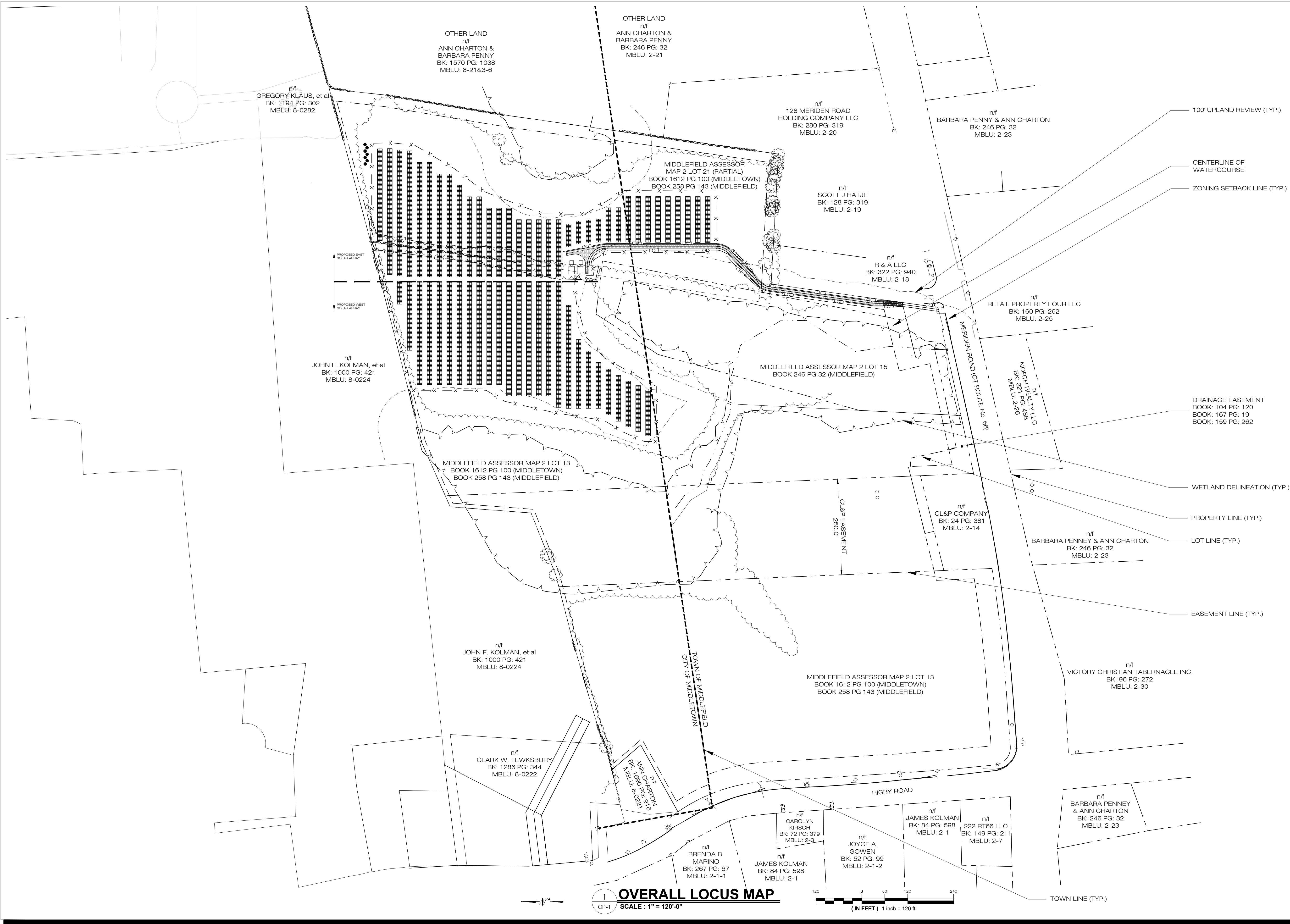
CHECKED BY: D.G.M.

SHEET:

1 OF 1

AREA
896,845 S.F. , 20.59 ACRES (MIDDLETOWN)
1,1246,637 S.F., 25.82 ACRES (MIDDLEFIELD)
2,021,482 S.F. 46.41 ACRES (TOTAL)

0 50 100 150
SCALE: 1" = 100'



CITRINE
55 GREENS FARMS ROAD
WESTPORT, CT 06880
OFFICE: (203)-557-5554

ALL-POINTS
TECHNOLOGY CORPORATION
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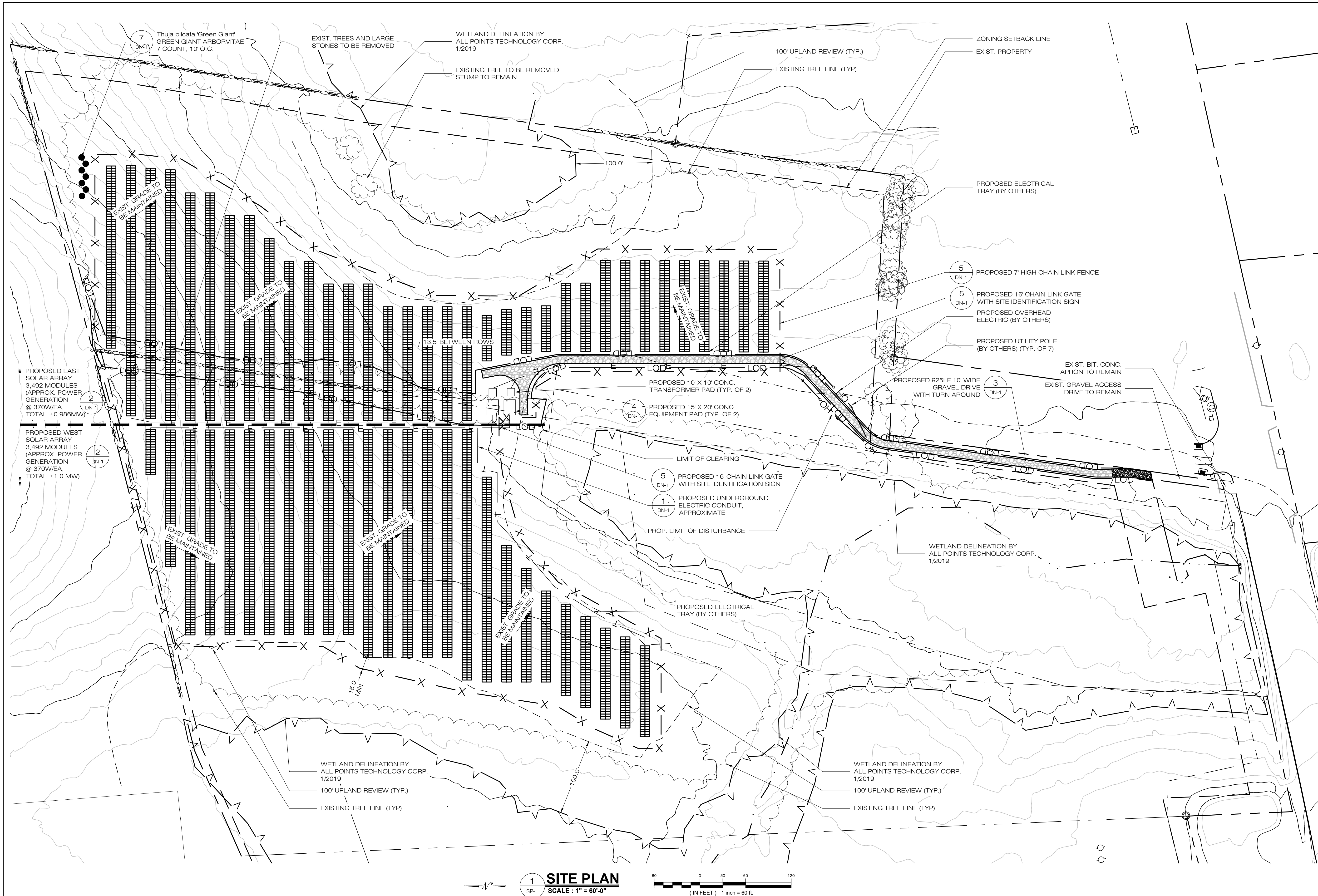
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4	5/20/19	REVIEW COMMENTS: RAG
5	5/29/19	SWPPP SUBMISSION: RAG
6		

DESIGN PROFESSIONAL OF RECORD
PROF: BRADLEY J. PARSONS P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION
ADD: 3 SADDLEBROOK DRIVE
KILLINGWORTH, CT 06419
OWNER: BARBARA J. PENNEY & ANN CHARTON
ADDRESS: 41 CHELSEA DRIVE
CROMWELL, CT 06416

MIDDLETOWN/MIDDLEFIELD
SITE MERIDEN ROAD (ROUTE 66)
ADDRESS: MIDDLEFIELD, CT 06455
APT FILING NUMBER: CT567100
DRAWN BY: RAG
DATE: 03/29/19 CHECKED BY: BJP

SHEET TITLE:
OVERALL LOCUS MAP

SHEET NUMBER:
OP-1



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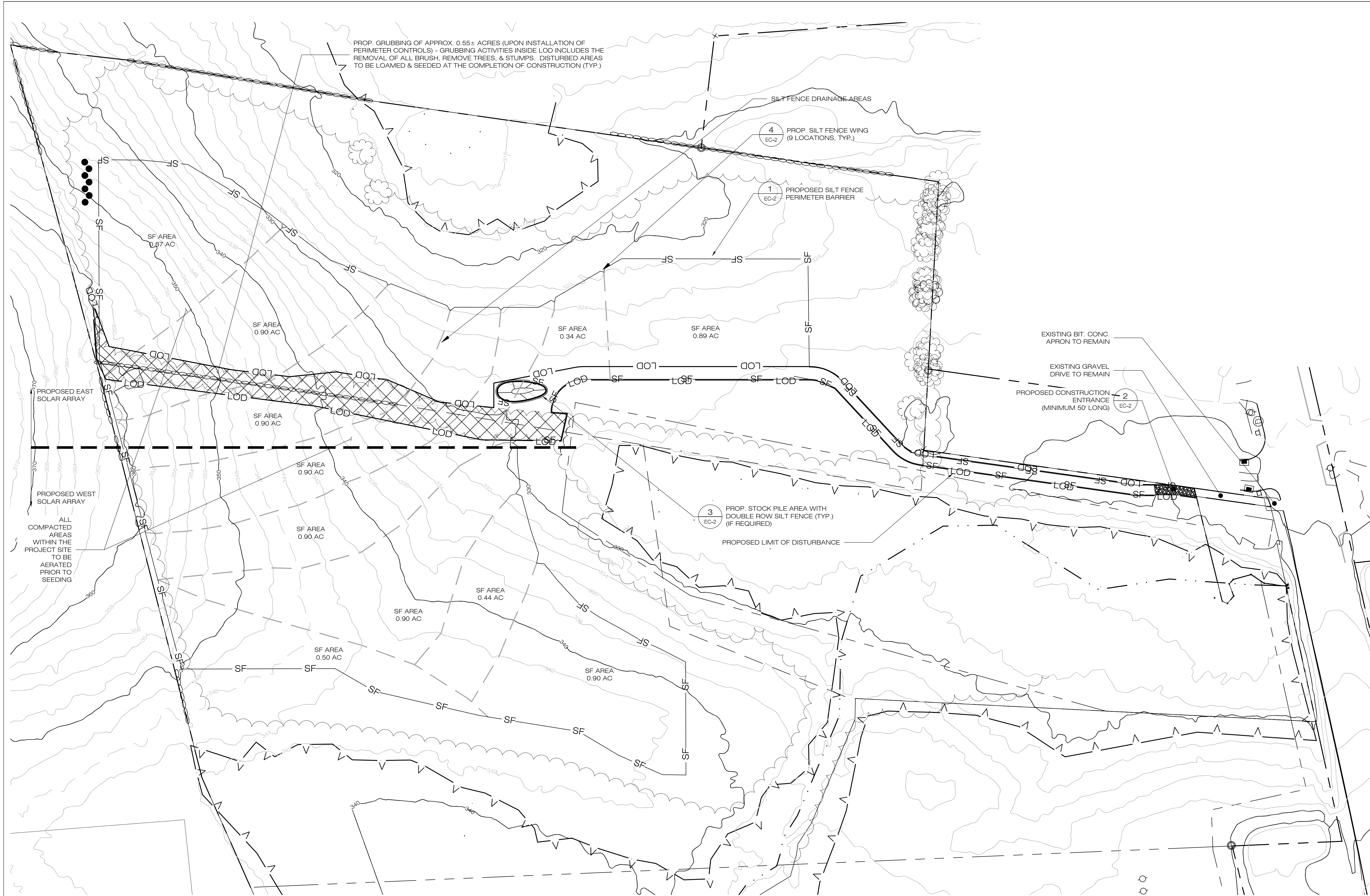
DATE: 03/29/19 DRAWN BY: RAG
CHECKED BY: BJP

SHEET TITLE:

SITE PLAN

SHEET NUMBER:

SP-1



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SHEET TITLE:

SEDIMENTATION & EROSION CONTROL PLAN

SHEET NUMBER:

EC-1

EROSION CONTROL NOTES

EROSION AND SEDIMENT CONTROL PLAN NOTES

- THE CONTRACTOR SHALL CONSTRUCT ALL SEDIMENT AND EROSION CONTROLS IN ACCORDANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, LATEST EDITION, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, AND AS DIRECTED BY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CT DEEP). THE CONTRACTOR SHALL KEEP A COPY OF THE CURRENT GUIDELINES ON-SITE FOR REFERENCE DURING CONSTRUCTION. ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CLEARING AND GRUBBING AND DEMOLITION OPERATIONS.
- THESE DRAWINGS ARE ONLY INTENDED TO DESCRIBE THE SEDIMENT AND EROSION CONTROL MEASURES FOR THIS SITE. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE EROSION & SEDIMENT CONTROL PLAN ARE SHOWN IN A GENERAL SIZE AND LOCATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL EROSION CONTROL MEASURES ARE CONFIGURED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION OF SOILS AND PREVENT THE TRANSPORT OF SEDIMENTS AND OTHER POLLUTANTS TO STORM DRAINAGE SYSTEMS AND/OR WATERCOURSES. ACTUAL SITE CONDITIONS OR SEASONAL AND CLIMATIC CONDITIONS MAY WARRANT ADDITIONAL CONTROLS OR CONFIGURATIONS WHEN DIRECTED BY THE ENGINEER. SEE SEDIMENT AND EROSION CONTROL DETAILS AND SUGGESTED CONSTRUCTION SEQUENCE FOR MORE INFORMATION. REFER TO SITE PLAN FOR GENERAL INFORMATION AND OTHER CONTRACT PLANS FOR APPROPRIATE INFORMATION.
- THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE SEDIMENT AND EROSION CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE PROPER INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED WITH CONSTRUCTION ON THE SITE OF THE REQUIREMENTS AND OBJECTIVES OF THIS PLAN, INFORMING THE GOVERNING AUTHORITY OR INLAND WETLANDS AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY, AND FOR CONVEYING A COPY OF THE SEDIMENT & EROSION CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED. COMPLY WITH REQUIREMENTS OF CGS SECTION 22A, 430B FOR STORM WATER DISCHARGE FROM CONSTRUCTION ACTIVITIES AND WITH CT DEEP RECORD KEEPING AND INSPECTION REQUIREMENTS.
- THE CONTRACTOR SHALL APPLY THE MINIMUM EROSION & SEDIMENT CONTROL MEASURES SHOWN ON THE PLAN IN CONJUNCTION WITH CONSTRUCTION SEQUENCING, SUCH THAT ALL ACTIVE WORK ZONES ARE PROTECTED. ADDITIONAL AND/OR ALTERNATIVE SEDIMENT AND EROSION CONTROL MEASURES MAY BE INSTALLED DURING THE CONSTRUCTION PERIOD IF FOUND NECESSARY BY THE CONTRACTOR. APPLICANT, SITE ENGINEER, MUNICIPAL OFFICIALS, OR ANY GOVERNING AGENCY. THE CONTRACTOR SHALL CONTACT THE APPLICANT AND APPROPRIATE GOVERNING AGENCIES FOR APPROVAL IF ALTERNATIVE CONTROLS OTHER THAN THOSE SHOWN ON THE PLANS ARE PROPOSED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL TAKE EXTREME CARE DURING CONSTRUCTION SO AS NOT TO DISTURB UNPROTECTED WETLAND AREAS OR SEDIMENTATION AND EROSION CONTROL MEASURES. THE CONTRACTOR SHALL INSPECT ALL SEDIMENT AND EROSION CONTROLS AS NEEDED TO VERIFY THAT THE CONTROLS ARE OPERATING PROPERLY AND MAKE REPAIRS WHERE NECESSARY.
- THE CONTRACTOR SHALL KEEP A SUPPLY OF EROSION CONTROL MATERIAL (HAY BALES, SILT FENCE, JUTE MESH, ETC.) ON-SITE FOR PERIODIC MAINTENANCE AND EMERGENCY REPAIRS.
- ALL FILL MATERIAL PLACED ADJACENT TO ANY WETLAND AREA SHALL BE GOOD QUALITY, WITH LESS THAN 5% FINES PASSING THROUGH A #200 SIEVE (BANK RUN), SHALL BE PLACED IN MAXIMUM ONE FOOT LIFTS, AND SHALL BE COMPACTED TO 95% MAX. DRY DENSITY MODIFIED PROCTOR OR AS SPECIFIED IN THE CONTRACT SPECIFICATIONS.
- ANY TREES IDENTIFIED ON THE SITE PLAN TO BE SAVED SHALL BE PROTECTED BY FENCING AT THE DRIP LINE, OR AS DETAILED, WITH SNOW FENCE, ORANGE SAFETY FENCE, OR EQUIVALENT FENCING. ANY LIMB TRIMMING SHOULD BE DONE AFTER CONSULTATION WITH AN ARBORIST AND BEFORE CONSTRUCTION BEGINS IN THAT AREA; FENCING SHALL BE MAINTAINED AND REPAIRED DURING CONSTRUCTION.
- ANTI-TRACKING PADS SHALL BE INSTALLED PRIOR TO ANY SITE EXCAVATION OR CONSTRUCTION ACTIVITY AND SHALL BE MAINTAINED THROUGHOUT THE DURATION OF ALL CONSTRUCTION. THE LOCATION OF THE TRACKING PADS MAY CHANGE AS VARIOUS PHASES OF CONSTRUCTION ARE COMPLETED.
- ALL CONSTRUCTION SHALL BE CONTAINED WITHIN THE LIMIT OF DISTURBANCE, WHICH SHALL BE MARKED WITH SILT FENCE, SAFETY FENCE, HAY BALES, RIBBONS, OR OTHER MEANS PRIOR TO CLEARING. CONSTRUCTION ACTIVITY SHALL REMAIN ON THE UPHILL SIDE OF THE SEDIMENT BARRIER UNLESS WORK IS SPECIFICALLY CALLED FOR ON THE DOWNHILL SIDE OF THE BARRIER. STAKED HAY BALES OR SILT FENCES SHALL ALSO BE INSTALLED AT THE DOWNHILL SIDES OF BUILDING EXCAVATIONS, DEWATERING PUMP DISCHARGES, AND MATERIAL STOCKPILES.
- WASHOUT OF APPLICATORS, CONTAINERS, VEHICLES AND EQUIPMENT FOR CONCRETE SHALL BE CONDUCTED IN A DESIGNATED WASHOUT AREA. NO SURFACE DISCHARGE OF WASHOUT WASTE WATERS FROM THE AREA WILL BE ALLOWED. ALL CONCRETE WASH WATER WILL BE DIRECTED INTO A CONTAINER OR PIT SUCH THAT NO OVERFLOWS CAN OCCUR. WASHOUT SHALL BE CONDUCTED IN AN ENTIRELY SELF-CONTAINED SYSTEM AND WILL BE CLEARLY DESIGNED AND FLAGGED OR SIGNED WHERE NECESSARY. THE WASHOUT AREA SHALL BE LOCATED OUTSIDE OF ANY BUFFERS AND AT LEAST 50 FEET FROM ANY STREAM, WETLAND OR OTHER SENSITIVE WATER OR NATURAL RESOURCES AS DETERMINED OR DESIGNATED BY THE ENGINEER.
- TOPSOIL THAT IS REMOVED AS THE RESULT OF EXCAVATION SHALL BE STRIPPED AND STOCKPILED FOR USE IN FINAL LANDSCAPING. ALL EARTH STOCKPILES SHALL HAVE HAY BALES OR SILT FENCE AROUND THE LIMIT OF PILE. PILES SHALL BE TEMPORARILY SEEDED IF PILE IS TO REMAIN IN PLACE AND UNDISTURBED FOR MORE THAN 30 DAYS.
- NO CUT OR FILL SLOPES SHALL EXCEED 2:1 EXCEPT WHERE STABILIZED BY ROCK FACED EMBANKMENTS OR EROSION CONTROL BLANKETS AND VEGETATION. ALL SLOPES SHALL BE SEEDED, AND THE ROAD SHOULDER AND BANKS WILL BE STABILIZED IMMEDIATELY UPON COMPLETION OF FINAL GRADING UNTIL TURF IS ESTABLISHED.
- DIRECT ALL DEWATERING PUMP DISCHARGE TO A SEDIMENT CONTROL DEVICE SUCH AS TEMPORARY SEDIMENT TRAPS OR GRASS FILTERS WITHIN THE APPROVED LIMIT OF DISTURBANCE. DISCHARGE TO STORM DRAINS OR SURFACE WATERS FROM SEDIMENT CONTROLS SHALL BE CLEAR AND APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION SITE AND SHALL NOT ALLOW THE ACCUMULATION OF RUBBISH OR CONSTRUCTION DEBRIS ON THE SITE. PROPER SANITARY DEVICES SHALL BE MAINTAINED ON-SITE AT ALL TIMES. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID THE SPILLAGE OF FUEL OR OTHER POLLUTANTS ON THE CONSTRUCTION SITE AND SHALL ADHERE TO ALL APPLICABLE POLICIES AND REGULATIONS RELATED TO SPILL PREVENTION AND RESPONSE/CONTAINMENT.
- SWEEP AFFECTED PORTIONS OF OFF SITE ROADS ONE OR MORE TIMES A DAY (OR LESS FREQUENTLY IF TRACKING IS NOT A PROBLEM) DURING CONSTRUCTION. FOR DUST CONTROL, PERIODICALLY MOISTEN EXPOSED SOIL SURFACES WITH WATER ON UNPAVED TRAVELWAYS TO KEEP THE TRAVELED WAYS DAMP. CALCIUM CHLORIDE MAY ALSO BE APPLIED TO ACCESS ROADS. DUMP TRUCK LOADS EXITING THE SITE SHALL BE COVERED.
- TURF ESTABLISHMENT SHALL BE PERFORMED OVER ALL DISTURBED SOIL, UNLESS THE AREA IS UNDER ACTIVE CONSTRUCTION, IT IS COVERED IN STONE OR SCHEDULED FOR PAVING WITHIN 30 DAYS. TEMPORARY SEEDING OR NON-LIVING SOIL PROTECTION OF ALL EXPOSED SOILS AND SLOPES SHALL BE INITIATED WITHIN THE FIRST 7 DAYS OF SUSPENDING WORK IN AREAS TO BE LEFT LONGER THAN 30 DAYS.
- IF CONSTRUCTION ACTIVITIES ARE COMPLETE OR HAVE BEEN TEMPORARILY HALTED FOR 7 DAYS, STABILIZATION ACTIVITIES WILL BE IMPLEMENTED WITHIN 3 DAYS.
- TWO WEEKS BEFORE THE FALL SEEDING SEASON BEGINS (AUGUST 15 TO OCTOBER 15), THE CONTRACTOR SHALL SCHEDULE A MEETING WITH APPLICANT TO DISCUSS STABILIZING THE SITE FOR WINTER MONTHS. MEASURES SUCH AS MULCHING AND/OR SEEDING MAY BE REQUIRED.
- MAINTAIN ALL PERMANENT AND TEMPORARY SEDIMENT CONTROL DEVICES IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. UPON COMPLETION OF WORK SWEEP PARKING LOTS, CLEAN THE STORM DRAINAGE SYSTEMS AND REMOVE ALL TEMPORARY SEDIMENT CONTROLS ONCE THE SITE IS FULLY STABILIZED AND APPROVAL HAS BEEN RECEIVED FROM APPLICANT AND/OR ENGINEER.
- SEEDING MIXTURES:
 - NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR MOIST SITES SPREAD AT A RATE OF 35 LBS PER ACRE: VIRGINIA WILD RYE, (ELYMUS VIRGINICUS), CREEPING RED FESCUE, (FESTUCA RUBRA), LITTLE BLUESTEM, (SCHIZACHYRIUM SCOPARIUM), BIG BLUESTEM, (ANDROPOGON GERARDII), FOX SEDGE, (CAREX VULPINOIDEA), SWITCH GRASS, (PANICUM VIRGATUM), ROUGH BENTGRASS, (AGROSTIS SCABRA), NEW ENGLAND ASTER, (ASTER NOVAE-ANGLIAE), BONESET, (EUPATORIUM PERFORIATUM), GRASS LEAVED GOLDENROD, (EUTHAMIA GRAMINIFOLIA), GREEN BULRUSH, (SCIRPUS ATROVIRENS), BLUE VERVAIN, (VERBENA HASTATA), SOFT RUSH, (JUNCUS EFFUSUS), WOOL GRASS, (SCIRPUS CYPERINUS), OR APPROVED EQUAL.
 - NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DRY SITES SPREAD AT A RATE OF 35 LBS PER ACRE: CREEPING RED FESCUE, (FESTUCA RUBRA), CANADA WILD RYE, (ELYMUS CANADENSIS), ANNUAL RYEGRASS, (LOLIUM MULTIFLORUM), PERENNIAL RYEGRASS, (LOLIUM PERENNE), BLUE GRAMA, (BOULELOUA GRACILIS), LITTLE BLUESTEM, (SCHIZACHYRIUM SCOPARIUM), INDIAN GRASS, (SORGHASTRUM NUTANS), ROUGH BENTGRASS, (AGROSTIS SCABRA), UPLAND BENTGRASS, (AGROSTIS PERENNANS), OR ERNST SOLAR MIX OR OTHER APPROVED EQUAL.
- PLASTIC NETTING USED IN A VARIETY OF EROSION CONTROL PRODUCTS (I.E., EROSION CONTROL BLANKETS, FIBER ROLLS [WATTTLES], REINFORCED SILT FENCE) HAS BEEN FOUND TO ENTANGLE WILDLIFE, INCLUDING REPTILES, AMPHIBIANS, BIRDS AND SMALL MAMMALS. NO PERMANENT EROSION CONTROL PRODUCTS OR REINFORCED SILT FENCE WILL BE USED ON THE PROJECT. TEMPORARY EROSION CONTROL PRODUCTS WILL USE EITHER EROSION CONTROL BLANKETS AND FIBER ROLLS COMPOSED OF PROCESSED FIBERS MECHANICALLY BOUND TOGETHER TO FORM A CONTINUOUS MATRIX (NET LESS) OR NETTING COMPOSED OF PLANAR WOVEN NATURAL BIODEGRADABLE FIBER TO AVOID/MINIMIZE WILDLIFE ENTANGLEMENT.

SEDIMENT & EROSION CONTROL NARRATIVE

- THE PROJECT INVOLVES THE CONSTRUCTION OF A GROUND MOUNTED SOLAR PANEL FACILITY WITH ASSOCIATED EQUIPMENT, INCLUDING THE CLEARING, GRUBBING AND GRADING OF APPROXIMATELY 0.95 ACRES OF EXISTING LOT.

THE PROPOSED PROJECT INVOLVES THE FOLLOWING CONSTRUCTION:

- CLEARING, GRUBBING, AND GRADING OF EXISTING LOT.
- CONSTRUCTION OF 6,098 GROUND MOUNTED SOLAR PANELS AND ASSOCIATED EQUIPMENT.
- THE STABILIZATION OF DISTURBED AREAS WITH PERMANENT GRASS TREATMENTS.

- FOR THIS PROJECT, THERE ARE APPROXIMATELY 0.95± ACRE OF THE SITE BEING DISTURBED WITH NEGLIGIBLE IMPERVIOUS AREAS ARE LIMITED TO THE CONCRETE PADS FOR ELECTRICAL EQUIPMENT.

- THE PROJECT SITE, AS MAPPED IN THE SOIL SURVEY OF MIDDLESEX COUNTY (SCS, 1976), CONTAINS TYPE C SOILS.

- A WETLAND DELINEATION REPORT HAS BEEN COMPLETED AND IS AVAILABLE BY REQUEST.

- IT WILL BE IMPORTANT THAT THE EXISTING WETLAND RESOURCE AREAS BE PROTECTED DURING AND AFTER CONSTRUCTION FROM SEDIMENTATION AND POLLUTANTS TO THE EXTENT POSSIBLE. CUT AND FILL SLOPES WILL NEED TO BE STABILIZED BY VEGETATION, RIPRAP OR EROSION CONTROL GEOTEXTILES AS SOON AS POSSIBLE TO MINIMIZE SLOPE EROSION. ALL CUT AND FILL SLOPES 3:1 OR LESS WILL BE SEEDED, FERTILIZED AND MULCHED FOR TEMPORARY AND PERMANENT STABILIZATION. TOPSOIL AND EXCAVATED MATERIAL STOCKPILE AREAS MUST BE CONTAINED BY SILT FENCE AND HAY BALES AND STABILIZED BY VEGETATION IF LEFT UNDISTURBED FOR MORE THAN 30 DAYS. DEWATERING WASTEWATER FROM TRENCHING OPERATIONS SHALL BE ADDRESSED DURING CONSTRUCTION. ALL WATER FROM DEWATERING OPERATIONS SHALL BE DIRECTED TO DEWATERING PUMP SETTLING BASINS. CONSTRUCTION NEAR WETLANDS SHALL BE ISOLATED BY USE OF CONSTRUCTION FENCING OR A COFFERDAM AND THE TEMPORARY DISTURBED AREA SHALL BE KEPT TO A MINIMUM. WORK IN HIGH GROUNDWATER AREAS SHALL BE SCHEDULED, WHEN POSSIBLE, SO IT CAN BE COMPLETED IN A DRY PERIOD AND IN THE SHORTEST TIME POSSIBLE.

- IT IS ANTICIPATED THAT CONSTRUCTION WILL BE COMPLETED IN APPROXIMATELY 4 MONTHS.

- REFER TO THE CONSTRUCTION SEQUENCING AND EROSION AND SEDIMENTATION NOTES FOR INFORMATION REGARDING SEQUENCING OF MAJOR OPERATIONS IN THE ON-SITE CONSTRUCTION PHASES.

- STORMWATER MANAGEMENT DESIGN CRITERIA UTILIZES THE APPLICABLE SECTIONS OF THE 2004 CONNECTICUT STORMWATER QUALITY MANUAL TO THE EXTENT POSSIBLE AND PRACTICABLE FOR THIS PROJECT ON THIS SITE. EROSION AND SEDIMENTATION MEASURES ARE BASED UPON ENGINEERING PRACTICE, JUDGEMENT AND THE APPLICABLE SECTIONS OF THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.

- DETAILS FOR THE TYPICAL EROSION AND SEDIMENTATION MEASURES ARE SHOWN ON PLAN SHEET EC-2 AND OR PROVIDED AS SEPARATE SUPPORT DOCUMENTATION FOR REVIEW IN THIS PLAN.

- THE CONTRACTOR SHALL ENSURE THAT THE PERIMETER SILT FENCE IS DIVIDED UP SUCH THAT NO SECTION OF SILT FENCE IS RECEIVING MORE THAN 1 ACRE OF DRAINAGE.

- CONSERVATION PRACTICES TO BE USED DURING CONSTRUCTION AREA:
 - STAGED CONSTRUCTION;
 - MINIMIZE THE DISTURBED AREAS DURING CONSTRUCTION;
 - STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE WITH TEMPORARY OR PERMANENT MEASURES;
 - MINIMIZE IMPERVIOUS AREAS;
 - UTILIZE APPROPRIATE CONSTRUCTION EROSION AND SEDIMENTATION MEASURES.

- THE FOLLOWING SEPARATE DOCUMENTS ARE TO BE CONSIDERED A PART OF THE EROSION AND SEDIMENTATION PLAN:
 - STORMWATER MANAGEMENT REPORT FOR EXISTING AND PROP. PEAK FLOWS.

SUGGESTED CONSTRUCTION SEQUENCE

THE FOLLOWING SUGGESTED SEQUENCE OF CONSTRUCTION ACTIVITIES IS PROJECTED BASED UPON ENGINEERING JUDGEMENT AND BEST MANAGEMENT PRACTICES. THE CONTRACTOR MAY ELECT TO ALTER THE SEQUENCING TO BEST MEET THE CONSTRUCTION SCHEDULE, THE EXISTING SITE ACTIVITIES AND WEATHER CONDITIONS, PROVIDED THAT THE CONTRACTOR FOLLOWS THE REQUIREMENTS OF THE 2002 GUIDELINES OF KEEPING THE PLAN CURRENT.

- CONTACT THE APPLICANT AND REPRESENTATIVES TO SCHEDULE A PRE-CONSTRUCTION MEETING AT LEAST 5 DAYS PRIOR TO THE START OF CONSTRUCTION. PHYSICALLY FLAG THE LIMITS OF CLEARING IN THE FIELD AS NECESSARY TO FACILITATE THE PRE-CONSTRUCTION MEETING.
- CONDUCT A PRE-CONSTRUCTION MEETING TO DISCUSS THE PROP. WORK AND EROSION AND SEDIMENTATION CONTROL MEASURES. THE MEETING SHOULD BE ATTENDED BY THE APPLICANT, THE APPLICANT REPRESENTATIVE(S), THE GENERAL CONTRACTOR, DESIGNATED SUB-CONTRACTORS AND THE PERSON, OR PERSONS, RESPONSIBLE FOR THE IMPLEMENTATION, OPERATION, MONITORING AND MAINTENANCE OF THE EROSION AND SEDIMENTATION MEASURES. THE CONSTRUCTION PROCEDURES FOR THE ENTIRE PROJECT SHALL BE REVIEWED AT THIS MEETING.
- NOTIFY THE APPLICANT AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO COMMENCEMENT OF ANY DEMOLITION, CONSTRUCTION OR REGULATED ACTIVITY ON THIS PROJECT. NOTIFY CALL BEFORE YOU DIG AT 1-800-922-4455.

PHASE 1

- REMOVE EXISTING IMPROVEMENTS AS NECESSARY AND PROVIDE MINIMAL CLEARING AND GRUBBING TO INSTALL THE REQUIRED CONSTRUCTION ENTRANCES AND INSTALL ENTRANCE.
- CLEAR AND GRUB AS REQUIRED AND PERFORM SELECTIVE CLEARING, TO INSTALL THE PERIMETER EROSION AND SEDIMENTATION CONTROL MEASURES AND, IF APPLICABLE, TREE PROTECTION. ALL WETLAND AREAS SHALL BE PROTECTED BEFORE MAJOR CONSTRUCTION BEGINS.
- INSTALL PERIMETER EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLANS.
- CLEAR AND GRUB REMAINDER OF SITE.

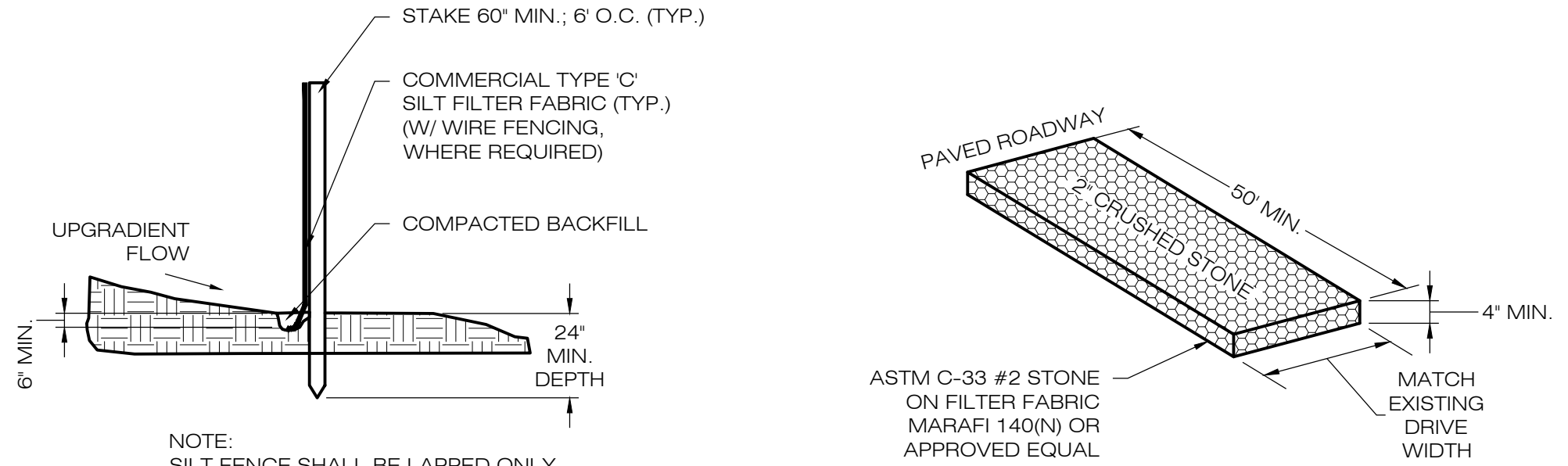
PHASE 2

- GRADE AREA IN CENTER OF SITE THAT WAS CLEARED AND GRUBBED IF REQUIRED PROVIDE TEMPORARY STABILIZATION.
- INSTALL GROUND MOUNTED SOLAR PANELS.
- INSTALL ELECTRICAL CONDUIT.
- INSTALL ACCESS DRIVES.
- FINE GRADE, RAKE, SEED AND MULCH ALL REMAINING DISTURBED AREAS.

PHASE 3

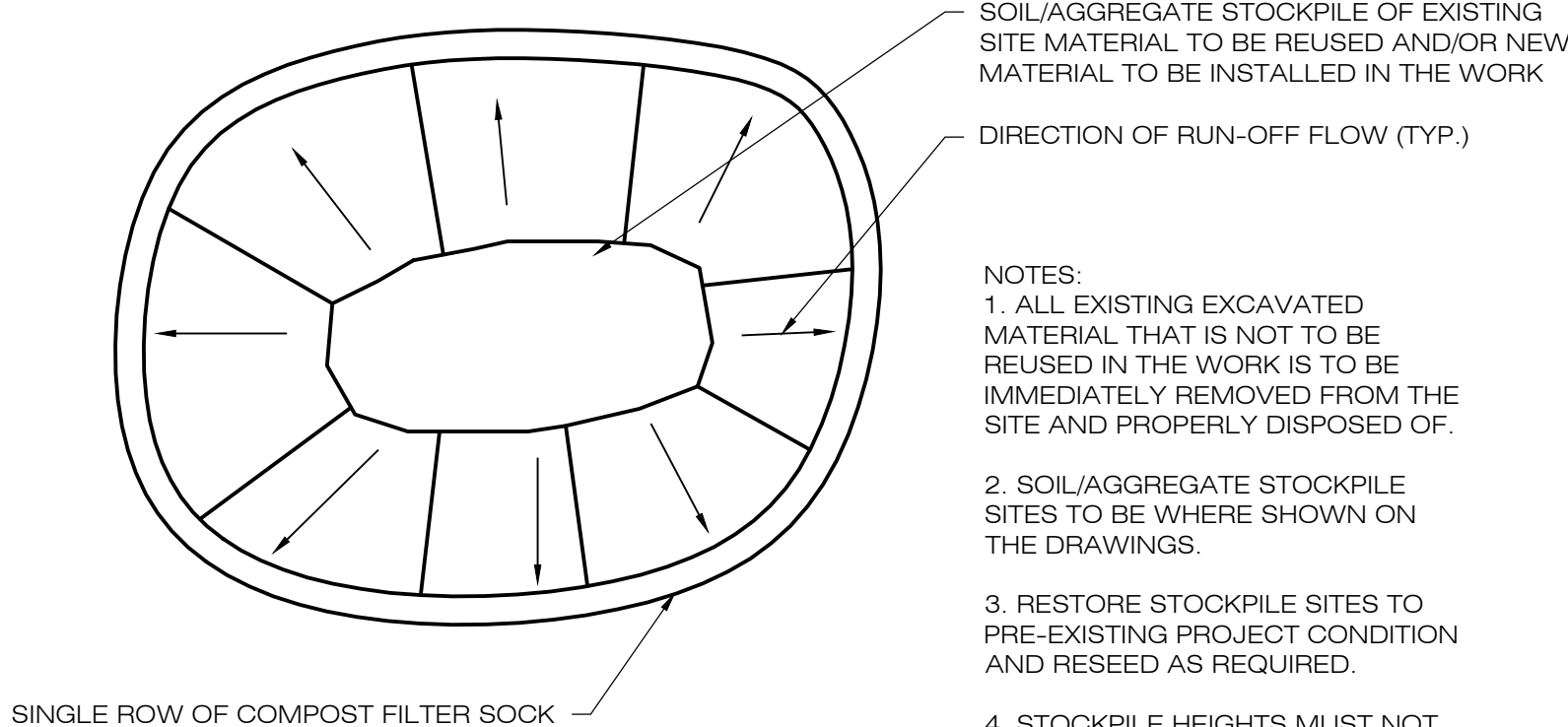
- INSTALL PERIMETER CHAIN LINK FENCE AS SHOWN ON THE PLANS.
- AFTER THE SITE IS DEEMED STABILIZED PER THE 2002 GUIDELINES AND WITH THE APPROVAL OF THE APPLICANT, REMOVE PERIMETER EROSION AND SEDIMENTATION CONTROLS.
- ISSUE NOTICE OF TERMINATION
- PERFORM PROJECT CLEANUP

CONSTRUCTION OPERATION AND MAINTENANCE PLAN - BY CONTRACTOR		
E&S MEASURE	INSPECTION SCHEDULE	MAINTENANCE REQUIRED
CONSTRUCTION ENTRANCE	DAILY	PLACE ADDITIONAL STONE, EXTEND THE LENGTH OR REMOVE AND REPLACE THE STONE. CLEAN PAVED SURFACES OF TRACKED SEDIMENT.
SILT FENCE	WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.5"	REPAIR/REPLACE WHEN FAILURE, OR DETERIORATION IS OBSERVED. REMOVE SILT WHEN IT REACHES 1/2 THE HEIGHT OF THE FENCE.
TOPSOIL/BORROW STOCKPILES	DAILY	REPAIR/REPLACE SEDIMENT BARRIERS AS NECESSARY.
TEMPORARY SOIL PROTECTION	WEEKLY & WITHIN 24 HOURS OF RAINFALL > 0.5"	REPAIR ERODED OR BARE AREAS IMMEDIATELY. RESEED AND MULCH.

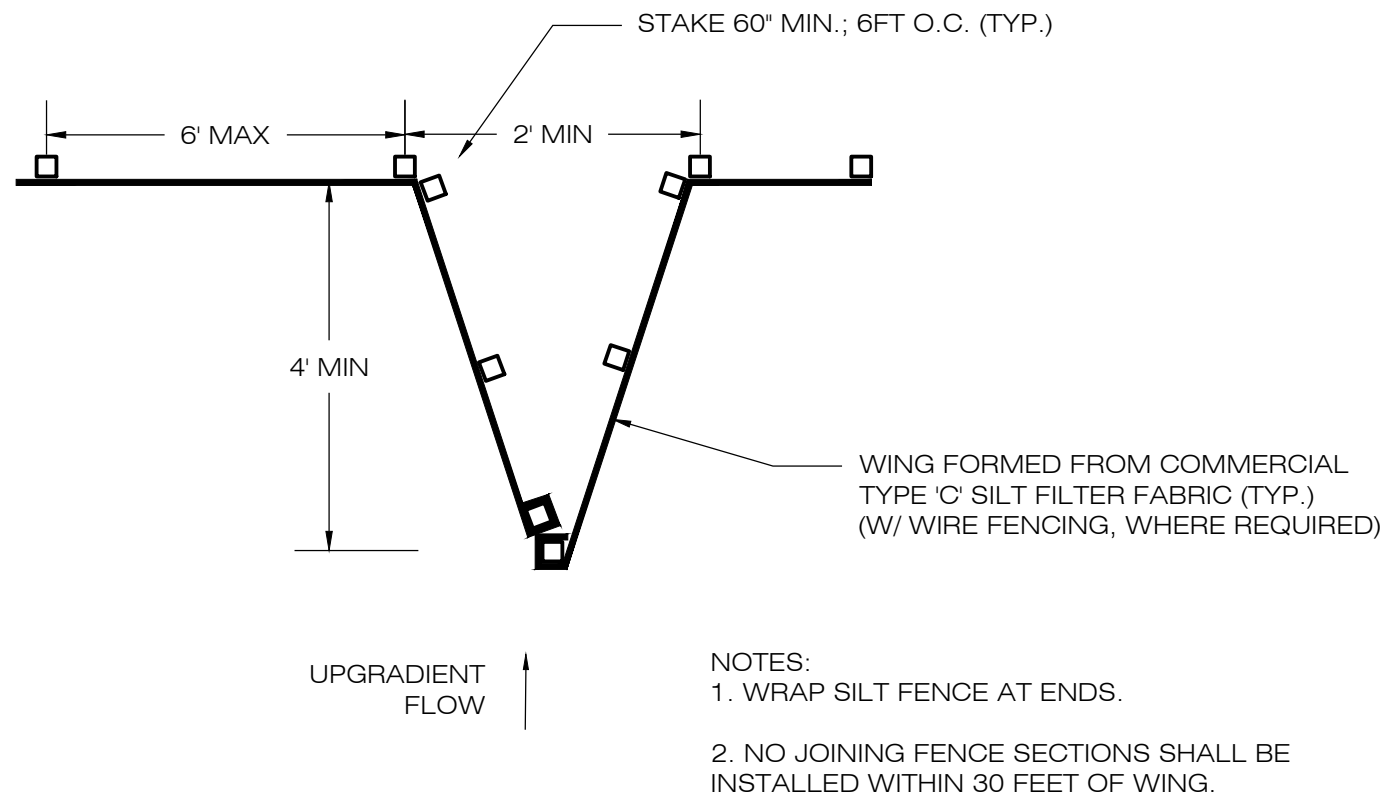


1 SILT FENCE DETAIL
SCALE : N.T.S.

2 ENTRANCE DETAIL
SCALE : N.T.S.



3 MATERIALS STOCKPILE DETAIL
SCALE : N.T.S.



4 SILT FENCE WING DETAIL
SCALE : N.T.S.



55 GREENS FARMS ROAD
WESTPORT, CT 06880
OFFICE: (203)-557-5554



3 SADDLEBROOK DRIVE PHONE: (860)-663-1897
KILLINGWORTH, CT 06419 FAX: (860)-663-0935
WWW.ALLPOINTSTECH.COM

PERMITTING

NO	DATE	REVISION
0	3/29/19	FOR CSC REVIEW: BJP
1	4/04/19	REVISED PER REVIEW: RAG
2	4/08/19	FOR FINAL REVIEW: BJP
3	4/10/19	FOR CSC SUBMISSION: RAG
4	5/20/19	REVIEW COMMENTS: RAG
5	5/29/19	SWPPP SUBMISSION: RAG
6		

DESIGN PROFESSIONAL OF RECORD

PROF: BRADLEY J. PARSONS P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION
ADD: 3 SADDLEBROOK DRIVE
KILLINGWORTH, CT 06419

OWNER: BARBARA J. PENNEY & ANN CHARLTON
ADDRESS: 41 CHELSEA DRIVE
CROMWELL, CT 06416

MIDDLETOWN/MIDDLEFIELD

SITE MERIDEN ROAD (ROUTE 66)
ADDRESS: MIDDLEFIELD, CT 06455

APT FILING NUMBER: CT567100

DATE: 03/29/19 DRAWN BY: RAG
CHECKED BY: BJP

SHEET TITLE:
SEDIMENTATION & EROSION CONTROL PLAN NOTES

SHEET NUMBER:

EC-2



GENERAL NOTES


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

SITE PLAN NOTES

1. THE SURVEY WAS PROVIDED BY MARTIN SURVEYING ASSOC., LLC. DATED JANUARY 31, 2019.
2. THERE ARE WETLANDS LOCATED ON THE SITE AS INDICATED ON THE PLANS. THE WETLANDS WERE FLAGGED AND LOCATED BY ALL POINTS TECHNOLOGY CORP. JANUARY 2019.
3. THERE WILL BE MINIMAL GRADING ON SITE IN THE AREAS OF THE MINOR CLEARING, TO ENSURE THAT PROPER DRAINAGE IS MAINTAINED.
4. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDED SEQUENCE OF CONSTRUCTION NOTES PROVIDED ON THE EROSION CONTROL PLAN OR SUBMIT AN ALTERNATE PLAN FOR APPROVAL BY THE ENGINEER AND/OR PERMITTING AGENCIES PRIOR TO THE START CONSTRUCTION. ALLOW A MINIMUM OF 14 WORKING DAYS FOR REVIEW.
5. PROPER CONSTRUCTION PROCEDURES SHALL BE FOLLOWED ON ALL IMPROVEMENTS WITHIN THIS PARCEL SO AS TO PREVENT THE SILTING OF ANY WATERCOURSE OR WETLANDS IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. IN ADDITION, THE CONTRACTOR SHALL ADHERE TO "EROSION CONTROL PLAN" CONTAINED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE TO POST ALL BONDS AS REQUIRED BY GOVERNMENT AGENCIES WHICH WOULD GUARANTEE THE PROPER IMPLEMENTATION OF THE PLAN.
6. ALL SITE WORK, MATERIALS OF CONSTRUCTION, AND CONSTRUCTION METHODS FOR EARTHWORK AND STORM DRAINAGE WORK, SHALL CONFORM TO THE SPECIFICATIONS AND DETAILS AND APPLICABLE SECTIONS OF THE PROJECT SPECIFICATIONS MANUAL. OTHERWISE THIS WORK SHALL CONFORM TO THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND PROJECT GEOTECHNICAL REPORT IF THERE IS NO PROJECT SPECIFICATIONS MANUAL. ALL FILL MATERIAL UNDER STRUCTURES AND PAVED AREAS SHALL BE PER THE ABOVE STATED APPLICABLE SPECIFICATIONS, AND/OR PROJECT GEOTECHNICAL REPORT, AND SHALL BE PLACED IN ACCORDANCE WITH THE APPLICABLE SPECIFICATIONS UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL ENGINEER. MATERIAL SHALL BE COMPACTED IN 8" LIFTS TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 1557 AT 95% PERCENT OF OPTIMUM MOISTURE CONTENT.
7. ALL DISTURBANCE INCURRED TO PUBLIC, MUNICIPAL, COUNTY, STATE PROPERTY DUE TO CONSTRUCTION SHALL BE RESTORED TO ITS PREVIOUS CONDITION OR BETTER, TO THE SATISFACTION OF THE CITY OF MIDDLETOWN, THE TOWN OF MIDDLEFIELD OR THE STATE OF CONNECTICUT.
8. IF IMPACTED OR CONTAMINATED SOIL IS ENCOUNTERED BY THE CONTRACTOR, THE CONTRACTOR SHALL SUSPEND EXCAVATION WORK OF IMPACTED SOIL AND NOTIFY THE PROJECT DEVELOPER AND/OR PROJECT DEVELOPERS ENVIRONMENTAL CONSULTANT PRIOR TO PROCEEDING WITH FURTHER WORK IN THE IMPACTED SOIL LOCATION UNTIL FURTHER INSTRUCTED BY THE PROJECT DEVELOPER AND/OR PROJECT DEVELOPERS ENVIRONMENTAL CONSULTANT.


UTILITY NOTES

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



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PERMITTING		
NO	DATE	REVISION
0	3/29/19	FOR CSC REVIEW: BJP
1	4/04/19	REVISED PER REVIEW: RAG
2	4/08/19	FOR FINAL REVIEW: BJP
3	4/10/19	FOR CSC SUBMISSION: RAG
4	5/20/19	REVIEW COMMENTS: RAG
5	5/29/19	SWPPP SUBMISSION: RAG
6		

DESIGN PROFESSIONAL OF RECORD

PROF: BRADLEY J. PARSONS P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION
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KILLINGWORTH, CT 06419

OWNER: BARBARA J. PENNEY & ANN CHARLTON
ADDRESS: 41 CHELSEA DRIVE
CROMWELL, CT 06416

MIDDLETOWN/MIDDLEFIELD

SITE MERIDEN ROAD (ROUTE 66)
ADDRESS: MIDDLEFIELD, CT 06455

APT FILING NUMBER: CT567100

DRAWN BY: RAG

DATE: 03/29/19

CHECKED BY: BJP

SHEET TITLE:

SITE NOTES

SHEET NUMBER:

DN-2

