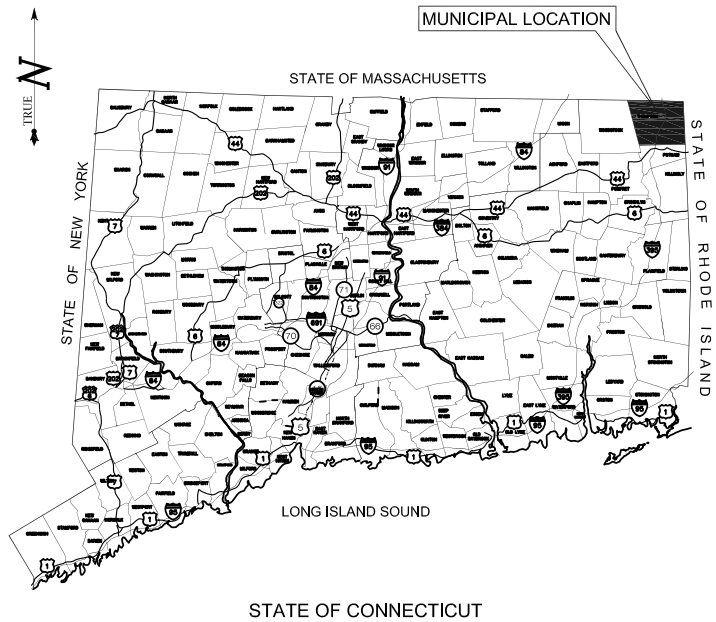




DEVELOPMENT & MANAGEMENT PLAN (PHASE 2)



BARRETTE FARMS

SOLAR PANEL FACILITY

1 BALLARD ROAD
THOMPSON, CT 06227

DRAWING INDEX

CV-1 COVER SHEET & INDEX

~~LOCATION SURVEY (BY OTHERS)~~

~~LOCATION SURVEY (BY OTHERS)~~

SP-0 OVERALL SITE PLAN

SP-1 TO SP-3 SITE PLANS

~~GD-0 OVERALL GRADING & DRAINAGE PLAN~~

~~GD-1 TO GD-3 GRADING & DRAINAGE PLANS~~

~~PRO-1 ACCESS DRIVE PROFILE~~

~~EC-0 OVERALL SEDIMENTATION & EROSION CONTROL PLAN (PHASE 1)~~

~~EC-1 TO EC-3 SEDIMENTATION & EROSION CONTROL PLANS (PHASE 1)~~

EC-4 OVERALL SEDIMENTATION & EROSION CONTROL PLAN (PHASE 2)

EC-5 TO EC-7 SEDIMENTATION & EROSION CONTROL PLANS (PHASE 2)

DN-1 DETAIL SHEET

~~DN-2 SEDIMENTATION & EROSION CONTROL NOTES & DETAIL SHEET~~

DN-3 NOTES & SPECIFICATIONS

~~DN-4 ENVIRONMENTAL NOTES & SPECIFICATIONS~~

SITE INFORMATION

SITE NAME: "BARRETTE FARMS"
PROJECT LOCATION: 1 BALLARD ROAD
THOMPSON, CT 06277

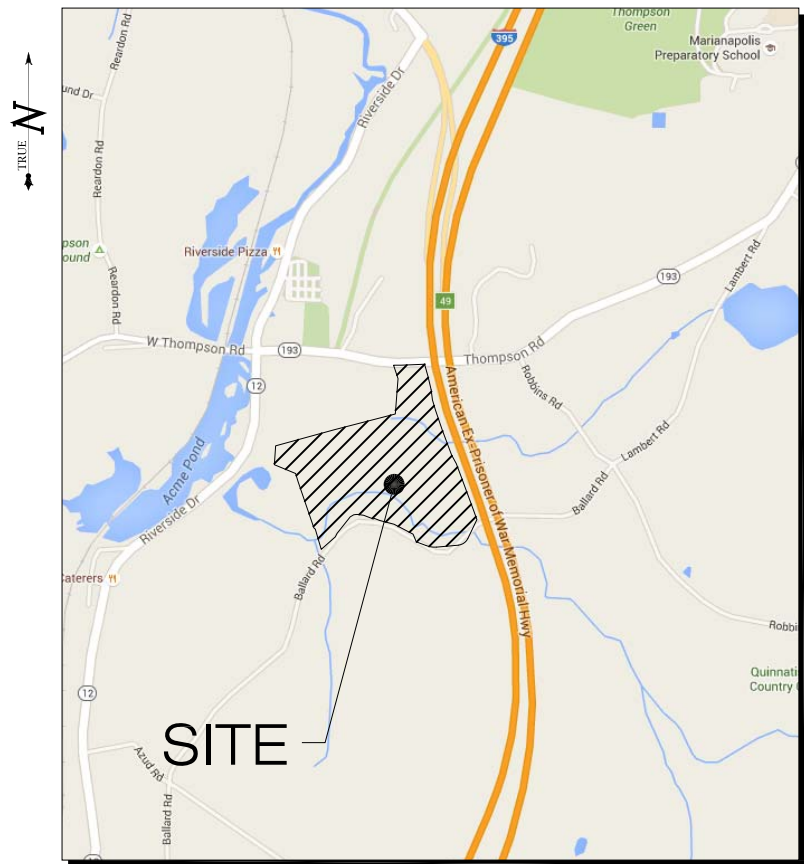
SITE TYPE/DESCRIPTION: ADD GROUND MOUNTED SOLAR PANEL ARRAYS W/
ASSOCIATED GRAVEL ACCESS DRIVE & EQUIPMENT.
ADD CHAIN LINK FENCE GATE & ELECTRIC
INTERCONNECTION FROM NEW FACILITY TO EXIST.
ELECTRICAL GRID.

PROPERTY OWNER: BARRETTE, BERNARD J & LUCILLE T
129 ROBBINS ROAD
THOMPSON, CT 06277

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

LATITUDE: 41°56'39"N
LONGITUDE: 71°53'03"W
ELEVATION: 332± AMSL

ZONE: I-ZONE (INDUSTRIAL)
FEMA FIRM DESIGNATION: PANEL #0901170014B - ZONE C
TOTAL SITE ACREAGE: 49.26 ACRES
TOTAL DISTURBED AREA: 14.14± ACRES



LOCATION MAP
SCALE: 1"=1000'



1 GRIFFIN ROAD SOUTH
BLOOMFIELD, CT 06002
OFFICE: (860)-580-7174



3 SADDLEBROOK DRIVE PHONE: (860)-663-1697
KILLINGWORTH, CT 06419 FAX: (860)-663-0935
WWW.ALLPOINTSTECH.COM

NO	DATE	REVISION
0	07/11/16	CSC SUBMISSION
1	12/01/16	D&M PLAN - PHASE 2
2		
3		
4		
5		
6		

DESIGN PROFESSIONALS OF RECORD

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

NOTE:

C-TECSOLAR "BARRETTE FARMS"

SITE 1 BALLARD ROAD
ADDRESS: THOMPSON, CT

APT FILING NUMBER: CT481111

DRAWN BY: BJP

CHECKED BY: SMC

DATE: 07/11/16

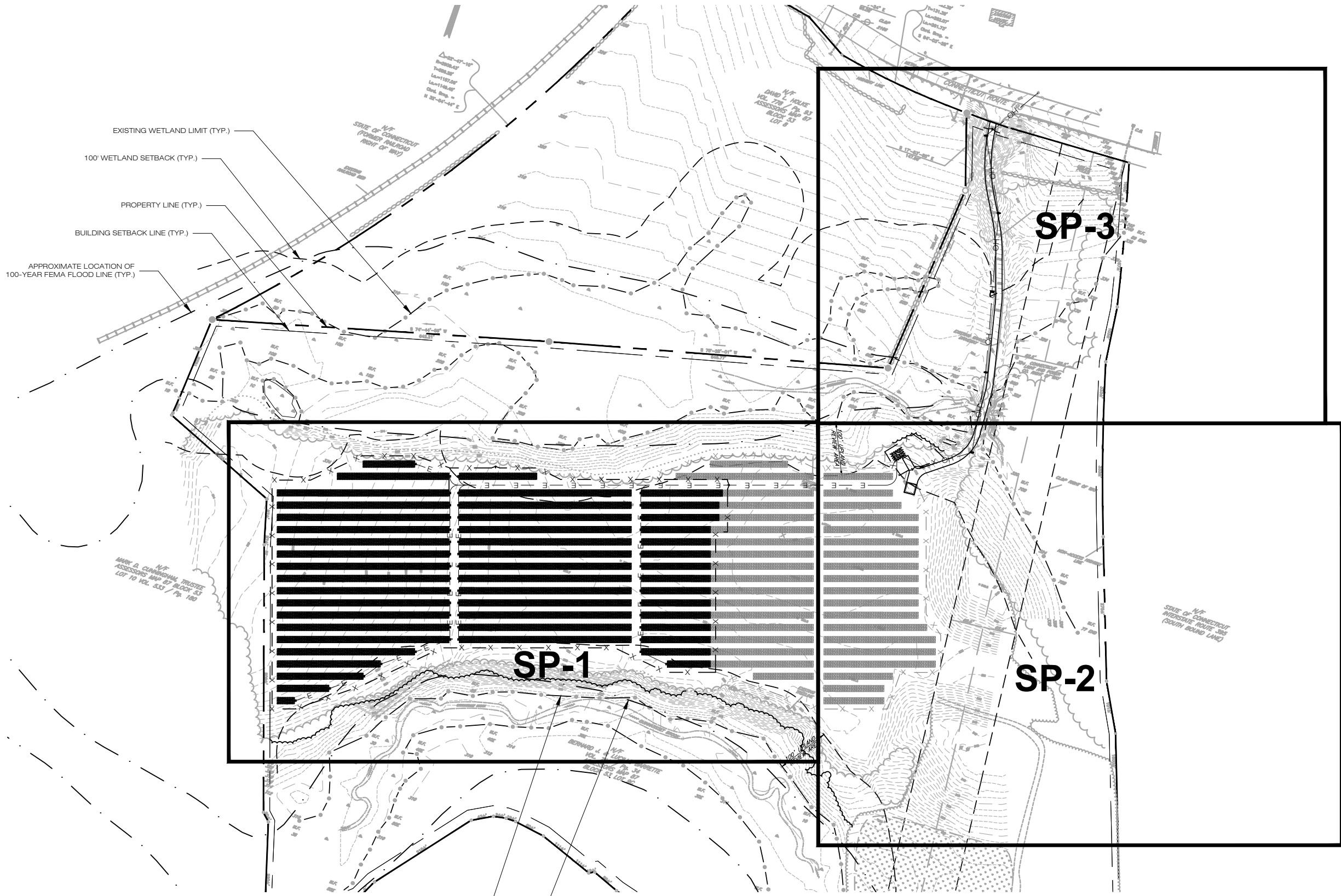
SHEET TITLE:

COVER SHEET
& INDEX

SHEET NUMBER:

CV-1





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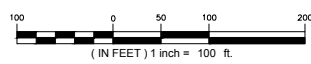
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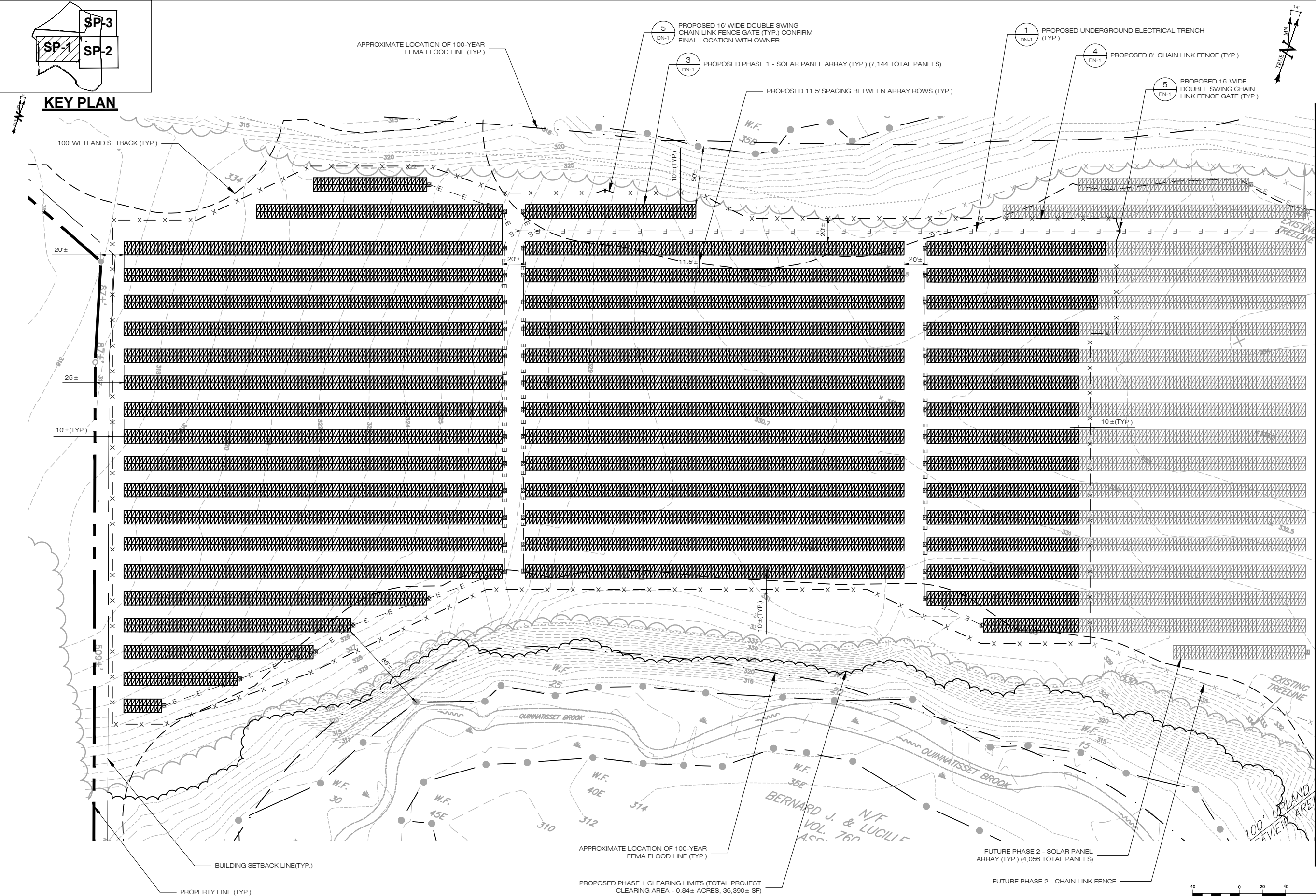
SHEET TITLE:

OVERALL
SITE PLAN

SHEET NUMBER:

SP-0





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COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 3 SADDLEBROOK DRIVE KILLINGWORTH, CT 06419

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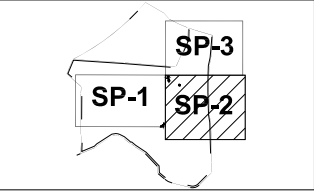
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DATE: 07/11/16

SHEET TITLE:
SITE PLAN

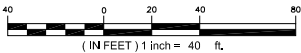
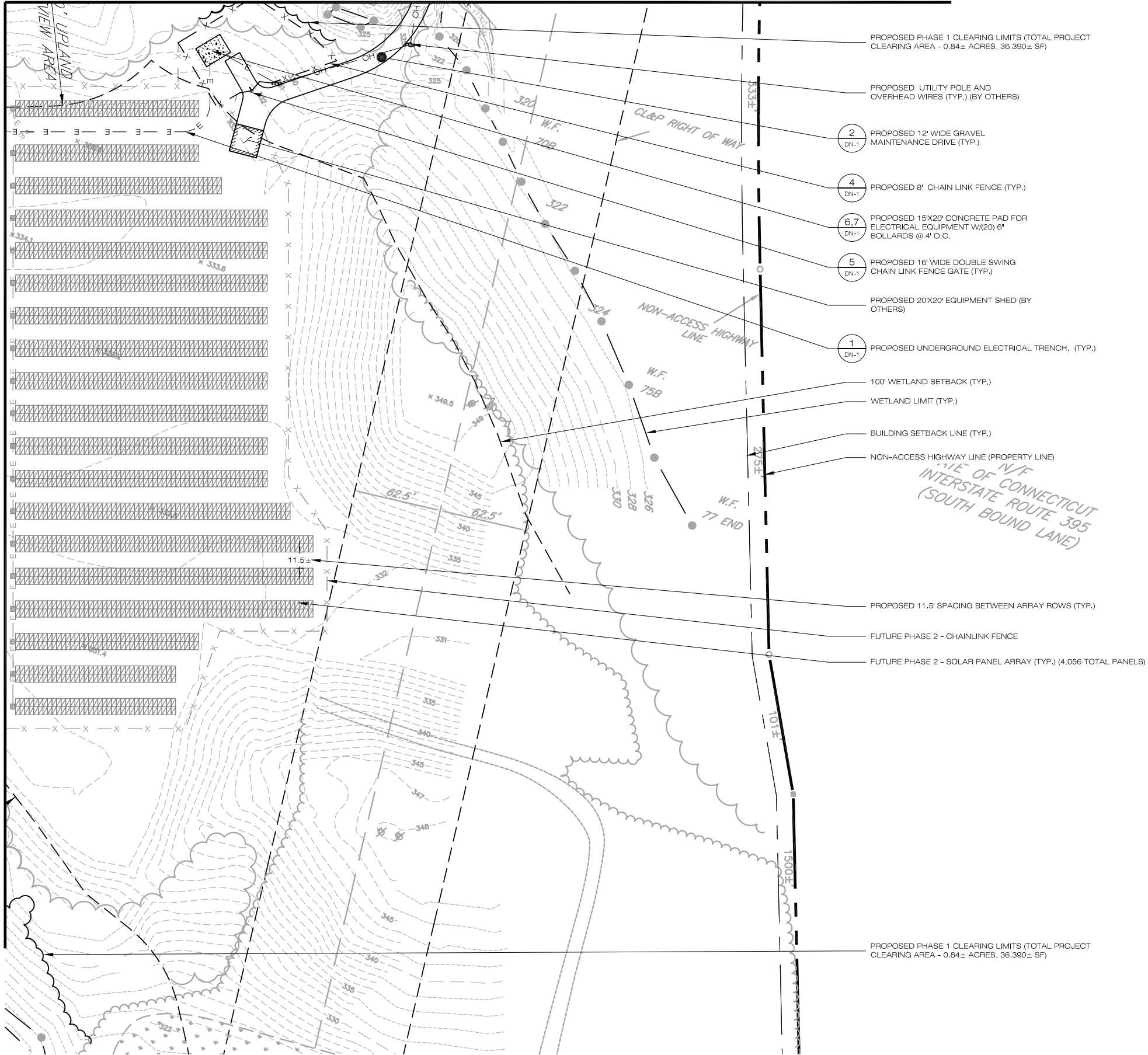
SHEET NUMBER:
SP-1

MATCHLINE: SEE SHEET SP-2



KEY PLAN

MATCHLINE: SEE SHEET SP-1



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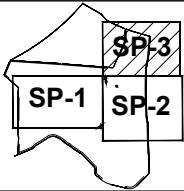
SHEET TITLE:

SITE PLAN

SHEET NUMBER:

SP-2





KEY PLAN





ALL-POINTS
TECHNOLOGY CORPORATION

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**C-TECSOLAR
"BARRETTE FARMS"**

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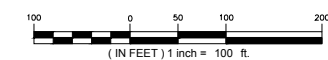
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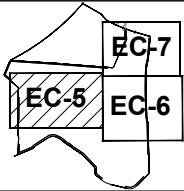
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DATE: 07/11/16

**OVERALL
SEDIMENTATION &
EROSION CONTROL PLAN
(PHASE 2)**

EC-4

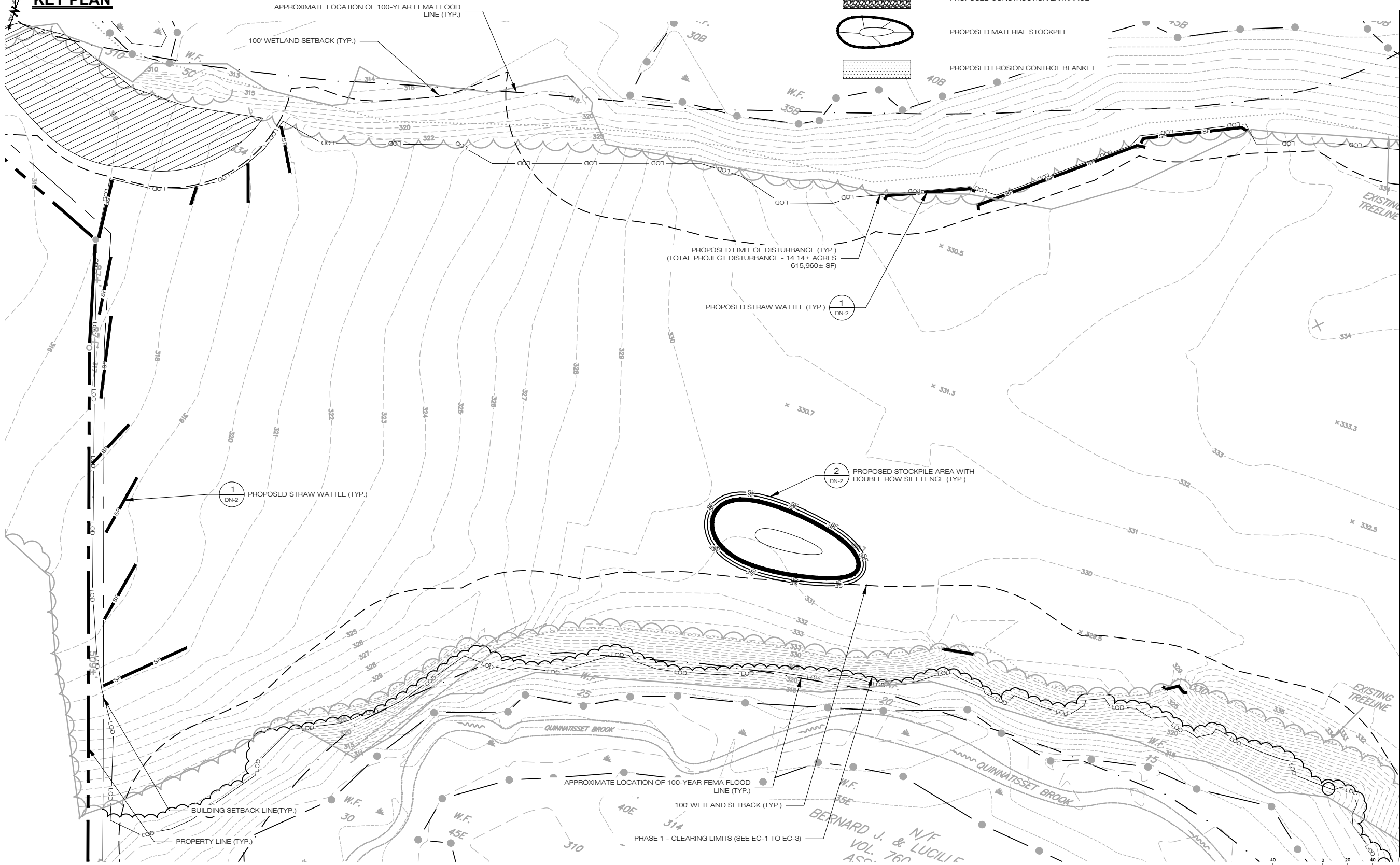




KEY PLAN

LEGEND:

- WETLAND DELINEATION
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED STRAW WATTLE
- PROPOSED CLEARING LIMITS/ LIMITS OF DISTURBANCE
- PROPOSED CHAIN LINK FENCE
- PROPOSED CONSTRUCTION ENTRANCE
- PROPOSED MATERIAL STOCKPILE
- PROPOSED EROSION CONTROL BLANKET



MATCHLINE: SEE SHEET EC-2



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KILLINGWORTH, CT 06419

NOTE:

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"BARRETTE FARMS"

SITE 1 BALLARD ROAD

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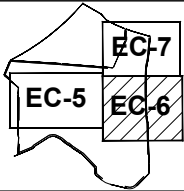
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SEDIMENTATION &
EROSION CONTROL PLAN
(PHASE 2)

SHEET NUMBER:

EC-5





KEY PLAN

MATCHLINE: SEE SHEET EC-3

LEGEND:

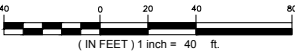
- WETLAND DELINATION
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED STRAW WATTLE
- PROPOSED CLEARING LIMITS/ LIMITS OF DISTURBANCE
- PROPOSED CHAIN LINK FENCE
- PROPOSED CONSTRUCTION ENTRANCE
- PROPOSED MATERIAL STOCKPILE
- PROPOSED EROSION CONTROL BLANKET



MATCHLINE: SEE SHEET EC-1



- 1 DN-2 PROPOSED STRAW WATTLE (TYP.)
- PHASE 1 - CLEARING LIMITS (SEE EC-1 TO EC-3)
- 2 DN-3 PROPOSED WATER BAR - PERMANENT (TYP.) (9 TOTAL)
- 1 DN-3 PROPOSED EROSION CONTROL BLANKET (TYP.)
- PROPOSED LIMIT OF DISTURBANCE (TYP.) (TOTAL PROJECT DISTURBANCE - 14.14 ± ACRES 615,960 ± SF)
- 2 DN-2 PROPOSED STOCKPILE AREA WITH DOUBLE ROW SILT FENCE (TYP.)
- WETLAND LIMIT (TYP.)
- 100' WETLAND SETBACK (TYP.)
- STATE OF CONNECTICUT INTERSTATE ROUTE 395 (SOUTH BOUND LANE)
- 77 END
- BUILDING SETBACK LINE (TYP.)
- NON-ACCESS HIGHWAY LINE (PROPERTY LINE)
- PHASE 1 - CLEARING LIMITS (SEE EC-1 TO EC-3)



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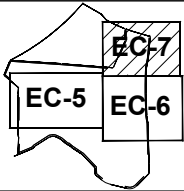
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SEDIMENTATION &
EROSION CONTROL PLAN
(PHASE 2)

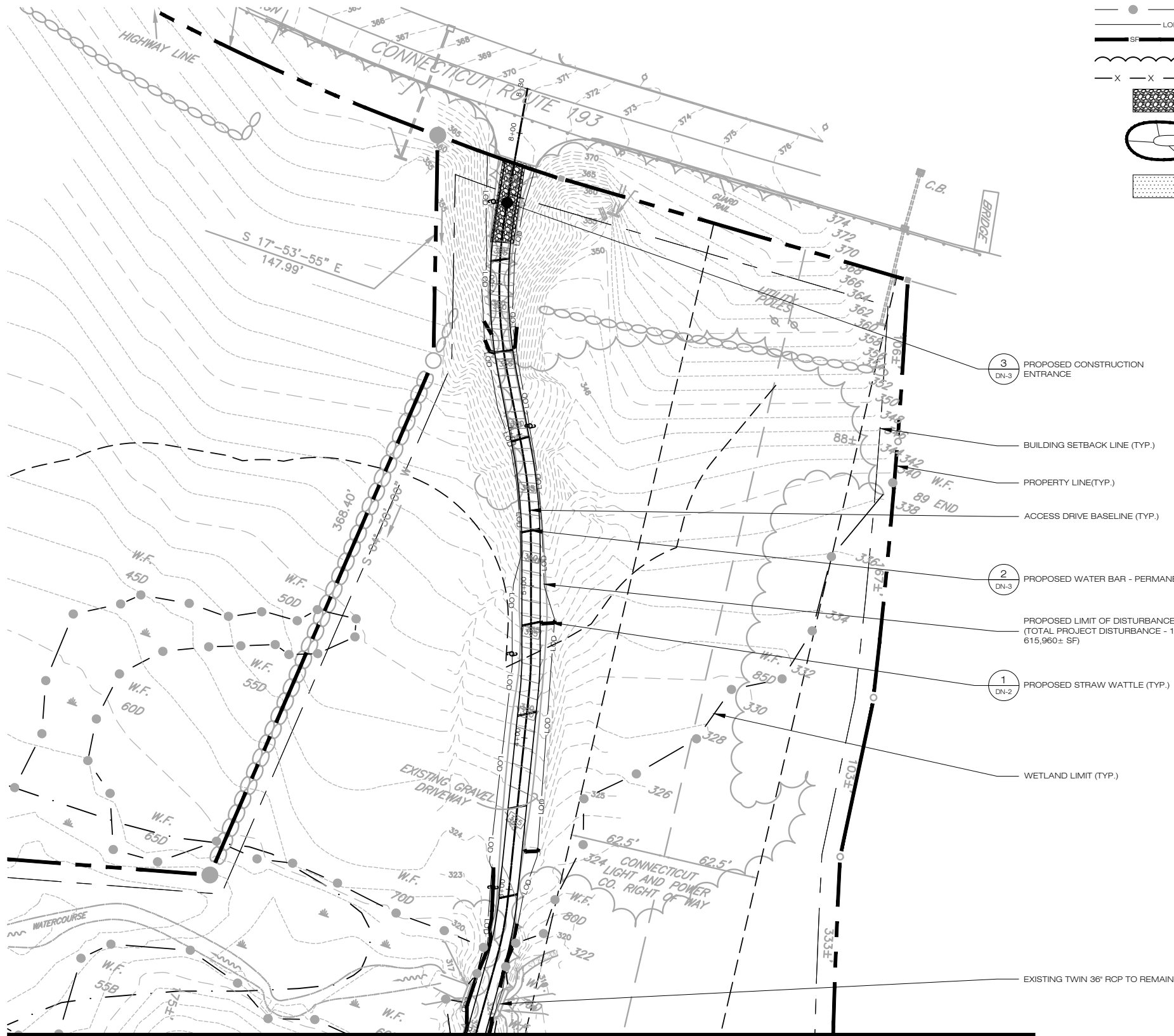
SHEET NUMBER:

EC-6





KEY PLAN



LEGEND:

- WETLAND DELINIATION
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED STRAW WATTLE
- PROPOSED CLEARING LIMITS/ LIMITS OF DISTURBANCE
- PROPOSED CHAIN LINK FENCE
- PROPOSED CONSTRUCTION ENTRANCE
- PROPOSED MATERIAL STOCKPILE
- PROPOSED EROSION CONTROL BLANKET



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KILLINGWORTH, CT 06419

NOTE:

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"BARRETTE FARMS"

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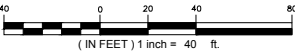
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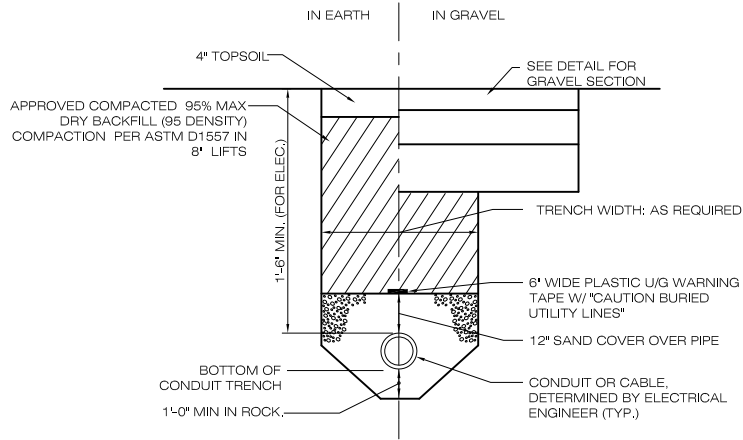
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SEDIMENTATION &
EROSION CONTROL PLAN
(PHASE 2)

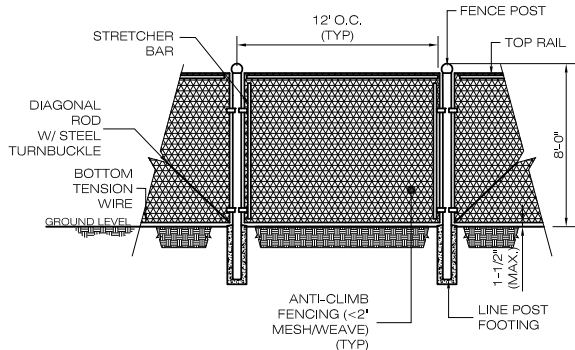
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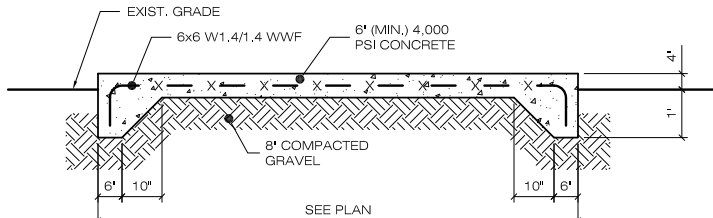




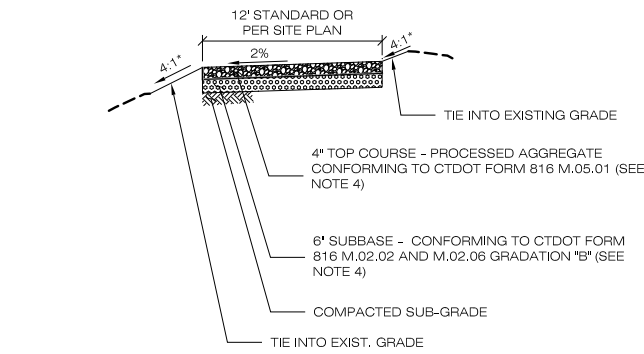
1 ELECTRICAL TRENCH DETAIL
SCALE : N.T.S.



4 CHAIN-LINK FENCING DETAIL
SCALE : NTS

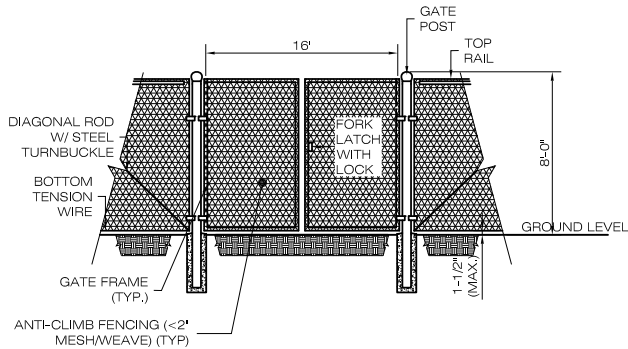


6 CONCRETE EQUIPMENT PAD
SCALE : 1/2" = 1'-0"

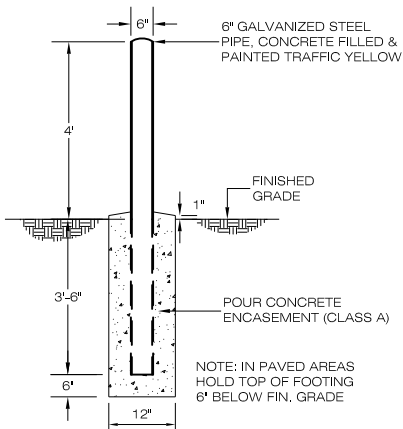


- NOTES:
1. SUBBASE MAY CONSIST OF NATIVE MATERIALS IF FOUND ACCEPTABLE BY THE ENGINEER. SUBBASE TO BE COMPACTED TO 95% MAX DRY DENSITY
 2. SUBBASE IS TO BE FREE FROM DEBRIS AND UNSUITABLE MATERIALS.
 3. THE PREFERRED CUT AND FILL SLOPE IS 4:1, HOWEVER THE ENGINEER OF RECORD MAY REVISE THE CUT SLOPE TO 2:1 OR 1.5:1 IF CUT SLOPE IS ROCK OR WELL CEMENTED SOIL
 4. IN AREAS DEEMED ACCEPTABLE BY THE CLIENTS GEOTECHNICAL ENGINEER THE CONTRACTOR SHALL GRADE AND TOP DRESS WITH WITH 2" OF TOP COURSE.

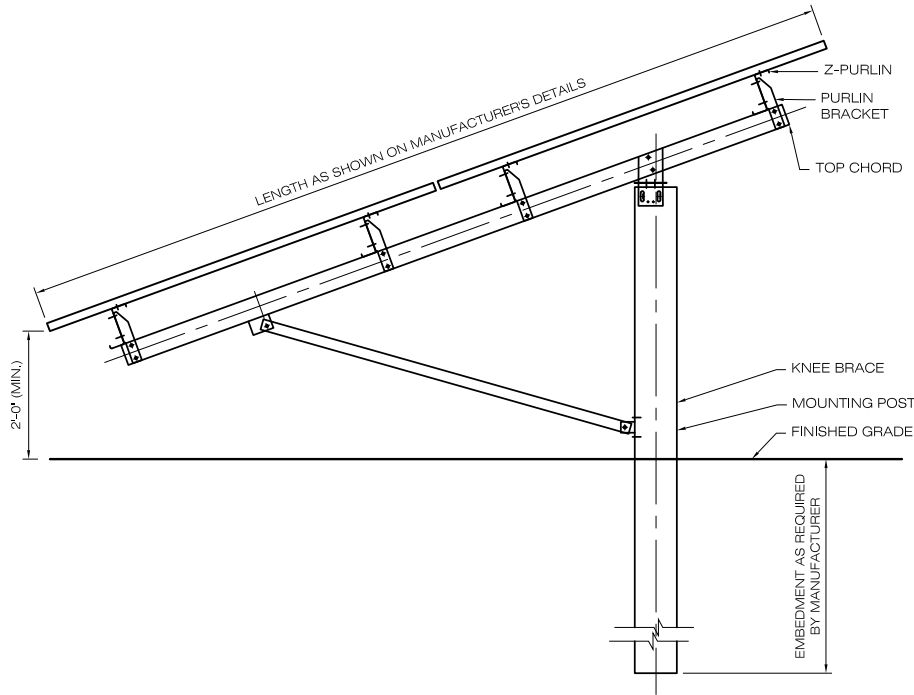
2 GRAVEL ACCESS DRIVE (LOOKING UP STATION)
SCALE : N.T.S.



5 FENCE & GATE DETAIL
SCALE : N.T.S.

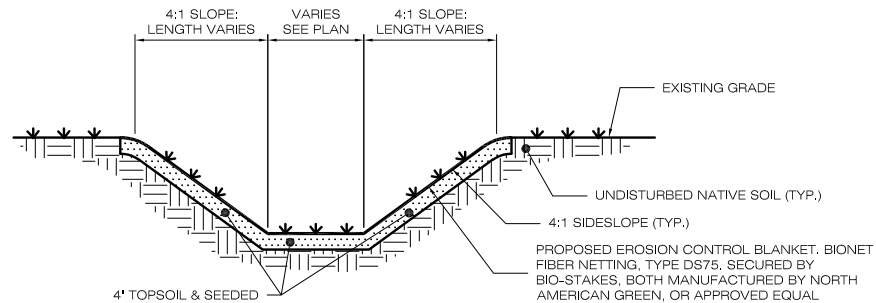


7 BOLLARD DETAIL
SCALE : NTS



- NOTES:
- SEE MANUFACTURER'S DETAIL SHEETS FOR ADDITIONAL INFORMATION REGARDING RACKING SYSTEM REQUIREMENTS AND INSTALLATION PROCEDURES. RACKING SYSTEM TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.

3 TYPICAL POST MOUNTED RACKING SYSTEM
SCALE : NTS



- NOTES:
- SEED MIX TO BE NEW ENGLAND EROSION CONTROL/ RESTORATION MIX FOR MOIST SIDES ON THE BOTTOM OF THE BASIN AND NEW ENGLAND EROSION/RESTORATION MIX FOR DRY SITES ON THE SIDE SLOPES.

8 GRASS LINED INFILTRATION BASIN
SCALE : NTS



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DESIGN PROFESSIONALS OF RECORD

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

NOTE:

C-TECSOLAR
"BARRETTE FARMS"

SITE 1 BALLARD ROAD
ADDRESS: THOMPSON, CT

APT FILING NUMBER: CT481111

DRAWN BY: BJP

CHECKED BY: SMC

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SHEET TITLE:

DETAIL SHEET

SHEET NUMBER:

DN-1

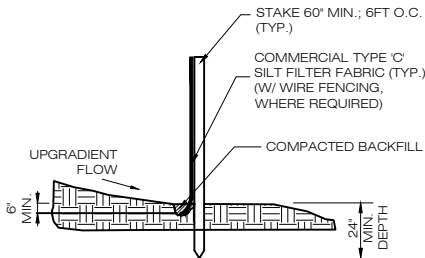


SITE PLAN NOTES

1. ALL CONSTRUCTION SHALL COMPLY WITH C-TEC SOLAR 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. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE OSHA, FEDERAL, STATE AND LOCAL REGULATIONS.
2. THE OWNER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY ZONING PERMITS REQUIRED BY GOVERNMENT AGENCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN ALL TOWN OF THOMPSON CONSTRUCTION PERMITS, INCLUDING CONNECTICUT DOT PERMITS. THE CONTRACTOR SHALL POST ALL BONDS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
3. 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 ENGINEER 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 OWNER'S CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL PRODUCTS, MATERIALS PER PLANS AND SPECIFICATIONS TO THE OWNER AND ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY TO THE SITE. ALLOW A MINIMUM OF 14 WORKING DAYS FOR REVIEW.
5. 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 PRIOR TO CONSTRUCTION.
6. SHOULD ANY UNKNOWN OR INCORRECTLY LOCATED EXISTING PIPING OR OTHER UTILITY BE UNCOVERED DURING EXCAVATION, CONSULT THE CIVIL ENGINEER IMMEDIATELY FOR DIRECTIONS BEFORE PROCEEDING FURTHER WITH WORK IN THIS AREA.
7. DO NOT INTERRUPT EXISTING UTILITIES SERVICING FACILITIES OCCUPIED AND USED BY THE OWNER OR OTHERS DURING OCCUPIED HOURS, EXCEPT WHEN SUCH INTERRUPTIONS HAVE BEEN AUTHORIZED IN WRITING BY THE OWNER 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, CONTRACT POWER COMPANY TO MAKE ARRANGEMENTS FOR PROPER SAFEGUARDS. ANY UTILITY COMPANY FEES SHALL BE PAID FOR BY THE CONTRACTOR.
10. 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 ENGINEER.
11. THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORDS OF ALL CONSTRUCTION (INCLUDING UNDERGROUND UTILITIES) TO THE OWNER AT THE END OF CONSTRUCTION.
12. 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.
13. THE CONTRACTOR SHALL COMPLY WITH OSHA CFR 29 PART 1926 FOR EXCAVATION TRENCHING AND TRENCH PROTECTION REQUIREMENTS.
14. EXISTING TOPOGRAPHY IS BASED ON THE DRAWING TITLED "1 OF 1" SCALE: 1"=60', DATED 06-09-16 BY "MARTIN SURVEYING ASSOCIATES, LLC" AND THE DRAWING BY MESSIER & ASSOCIATES, INC., DATED 02/15.
15. ALTERNATIVE METHODS AND PRODUCTS, OTHER THAN THOSE SPECIFIED, MAY BE USED IF REVIEWED AND APPROVED BY THE OWNER, ENGINEER, AND APPROPRIATE REGULATORY AGENCY PRIOR TO INSTALLATION DURING THE BIDDING/CONSTRUCTION PROCESS.
16. INFORMATION ON EXISTING UTILITIES AND STORM DRAINAGE SYSTEMS HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY PROVIDER AND MUNICIPAL RECORD MAPS AND/OR FIELD SURVEY, AND IS NOT GUARANTEED CORRECT OR COMPLETE. UTILITIES AND STORM DRAINAGE SYSTEMS ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND STORM DRAINAGE SYSTEMS INCLUDING SERVICES. PRIOR TO DEMOLITION OR CONSTRUCTION, THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" 72 HOURS BEFORE COMMENCEMENT OF WORK AT "1-800-922-4455" AND VERIFY ALL UTILITY AND STORM DRAINAGE SYSTEM LOCATIONS.
17. THESE PLANS ARE FOR PERMITTING PURPOSES ONLY AND ARE NOT TO BE UTILIZED FOR CONSTRUCTION.
18. NO CONSTRUCTION OR DEMOLITION SHALL BEGIN UNTIL APPROVAL OF THE FINAL PLANS IS GRANTED BY ALL GOVERNING AND REGULATORY AGENCIES.
19. A PORTION OF THE NORTHERN AND SOUTHERN PORTION OF THE EXISTING PROPERTY IS LOCATED WITHIN A FEMA DESIGNATED FLOOD HAZARD AREA HOWEVER THE PROJECT AREA IS NOT LOCATED WITHIN A FEMA DESIGNATED FLOOD HAZARD AREA.
20. THERE ARE WETLANDS LOCATED ON THE SITE AS INDICATED ON THE PLANS. WELTAND BOUNDARIES WERE REVIEWED AND CONFIRMED BY ALL-POINTS TECHNOLOGY LICENSED SENIOR WETLANDS SCIENTIST.

GRADING AND DRAINAGE NOTES

1. THIS GRADING AND DRAINAGE DRAWINGS ARE INTENDED TO DESCRIBE GRADING AND DRAINAGE ONLY. REFER TO SITE PLAN FOR GENERAL INFORMATION, AND DETAIL SHEETS FOR DETAILS.
2. THE CONTRACTOR SHALL PRESERVE EXISTING VEGETATION WHERE POSSIBLE AND/OR AS NOTED ON THE DRAWINGS. REFER TO EROSION CONTROL PLAN FOR LIMIT OF DISTURBANCE AND EROSION CONTROL NOTES.
3. TOPSOIL FROM EXCAVATED AREAS SHALL BE STRIPPED AND STOCKPILED ON SITE FOR USE IN FINAL LANDSCAPING.
4. VERTICAL DATUM IS NGV DATUM 88.
5. CLEARING LIMITS SHALL BE PHYSICALLY MARKED IN THE FIELD AND APPROVED BY THE TOWN OF CANAAN AGENT PRIOR TO THE START OF WORK ON THE SITE.
6. 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 THE REGULATIONS 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT POLLUTION CONTROL MANUAL. IN ADDITION, THE CONTRACTOR SHALL STRICTLY ADHERE TO THE EROSION CONTROL PLAN CONTAINED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE TO POST ALL BONDS AS REQUIRED BY THE LOCAL MUNICIPALITIES WHICH WOULD GUARANTEE THE PROPER IMPLEMENTATION OF THE PLAN.
7. 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 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 FOR ALL TRAVEL WAYS AND AS APPROPRIATE ELSEWHERE TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 1557 AT 95% PERCENT OF OPTIMUM MOISTURE CONTENT.
8. 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 TOWN OF THOMPSON AND STATE OF CONNECTICUT.
9. IF IMPACTED OR CONTAMINATED SOIL IS ENCOUNTERED BY THE CONTRACTOR, THE CONTRACTOR SHALL SUSPEND EXCAVATION WORK OF IMPACTED SOIL AND NOTIFY THE OWNER AND/OR OWNERS ENVIRONMENTAL CONSULTANT PRIOR TO PROCEEDING WITH FURTHER WORK IN THE IMPACTED SOIL LOCATION UNTIL FURTHER INSTRUCTED BY THE OWNER AND/OR OWNERS ENVIRONMENTAL CONSULTANT.



4 DN-3 SILT FENCE DETAIL SCALE : NTS

SEQUENCE OF CONSTRUCTION

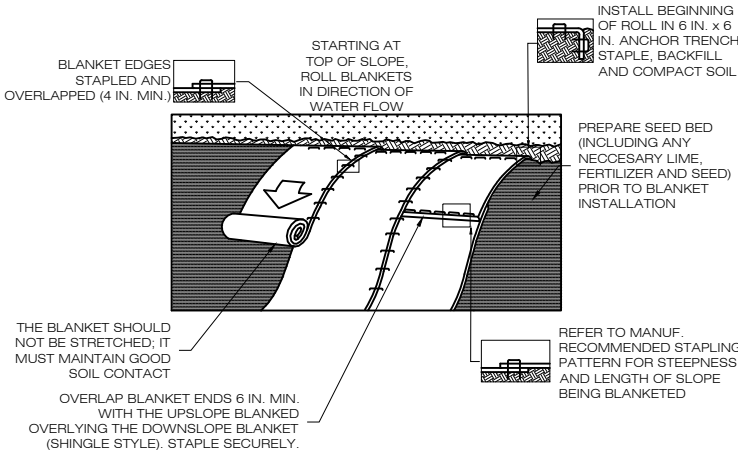
1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECPS), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECPS IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF RECPS EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECPS WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12' APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO THE COMPACTED SOIL AND FOLD THE REMAINING 12' PORTION OF RECPS BACK OVER THE SEED AND COMPACTED SOIL. SECURE RECPS OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12' APART ACROSS THE WIDTH OF THE RECPS.
3. ROLL THE RECPS DOWN HORIZONTALLY ACROSS THE SLOPE. RECPS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECPS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE.
4. THE EDGES OF PARALLEL RECPS MUST BE STAPLED WITH APPROXIMATELY 2" - 5" OVERLAP DEPENDING ON THE RECPS TYPE.
5. CONSECUTIVE RECPS SPLICED DOWN THE SLOPE MUST BE END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE RECPS WIDTH.

NOTES:

1. PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.
2. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.
3. BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.
4. THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
5. BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.

AMERICAN TOWER MASTER SPECIFICATION:

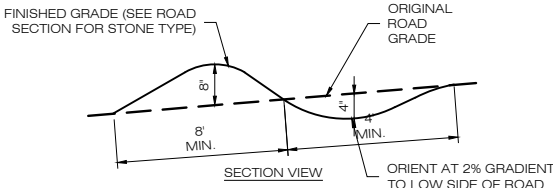
1. DIVISION 31 EARTHWORK SECTION 0312500 FOR EROSION AND SEDIMENT CONTROLS



1 DN-3 EROSION CONTROL BLANKET STEEP SLOPES SCALE : N.T.S.

UTILITIES NOTES

1. CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE TOWN OF THOMPSON TO SECURE CONSTRUCTION PERMITS AND FOR PAYMENT OF FEES FOR STREET CUTS AND CONNECTIONS TO EXISTING UTILITIES.
2. THIS PLAN DETAILS SITE INSTALLED PIPES UP TO 5' FROM THE BUILDING FACE. REFER TO DRAWINGS BY ELECTRICAL ENGINEER FOR TIE-IN CONNECTION 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.
3. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY THE ELEVATION AND LOCATION OF ALL UTILITIES BY VARIOUS MEANS PRIOR TO BEGINNING ANY EXCAVATION. TEST PITS SHALL BE DUG AT ALL LOCATIONS WHERE PROPOSED SANITARY SEWERS AND WHERE PROPOSED STORM PIPING WILL CROSS EXISTING UTILITIES, AND THE HORIZONTAL AND VERTICAL LOCATIONS OF THE UTILITIES SHALL BE DETERMINED. THE CONTRACTOR SHALL CONTACT THE ENGINEER 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.
4. UTILITY CONNECTION DESIGN AS REFLECTED ON THE PLAN MAY CHANGE SUBJECT TO UTILITY PROVIDER AND GOVERNING AUTHORITY STAFF REVIEW.
5. 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.
6. THE CONTRACTOR SHALL ARRANGE FOR AND COORDINATE WITH THE RESPECTIVE UTILITY PROVIDERS FOR SERVICE INSTALLATIONS AND CONNECTIONS. THE CONTRACTOR SHALL COORDINATE WORK TO BE PERFORMED BY THE VARIOUS UTILITY PROVIDERS AND SHALL PAY ALL FEES FOR CONNECTIONS, DISCONNECTIONS, RELOCATIONS, INSPECTIONS, AND DEMOLITION UNLESS OTHERWISE STATED IN THE PROJECT SPECIFICATIONS MANUAL AND/OR GENERAL CONDITIONS OF THE CONTRACT.
7. 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 OWNER HAVING JURISDICTION.
8. ALL PIPES SHALL BE LAID ON STRAIGHT ALIGNMENTS AND EVEN GRADES USING A PIPE LASER OR OTHER ACCURATE METHOD.
9. RELOCATION OF UTILITY PROVIDER FACILITIES, SUCH AS POLES, SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY PROVIDER.
10. 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.
11. CONTRACTOR TO PROVIDE STEEL SLEEVES AND ANNULAR SPACE SAND FILL FOR UTILITY PIPE AND CONDUIT CONNECTIONS UNDER FOOTINGS.
12. BUILDING UTILITY PENETRATIONS AND LOCATIONS ARE SHOWN FOR THE CONTRACTORS INFORMATION AND SHALL BE VERIFIED WITH THE BUILDING MEP DRAWINGS AND WITH THE OWNERS CONSTRUCTION MANAGER.
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 PROPOSED SANITARY PIPING.
15. SITE CONTRACTOR SHALL PROVIDE ALL BENDS, FITTINGS, ADAPTERS, ETC., AS REQUIRED FOR PIPE CONNECTIONS TO BUILDING STUB OUTS, INCLUDING ROOF/FOOTING DRAIN CONNECTIONS TO ROOF LEADERS AND TO STORM DRAINAGE SYSTEM.
16. 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 OWNER AND TOWN OF THOMPSON.
17. 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 "CALL BEFORE YOU DIG" AT (800) 922-4455 72 HOURS PRIOR TO CONSTRUCTION AND VERIFY ALL UNDERGROUND AND OVERHEAD UTILITY AND STORM DRAINAGE LOCATIONS. THE CONTRACTOR SHALL EMPLOY THE USE OF A UTILITY LOCATING COMPANY TO PROVIDE SUBSURFACE UTILITY ENGINEERING CONSISTING OF DESIGNATING UTILITIES AND STORM PIPING ON PRIVATE PROPERTY WITHIN THE CONTRACT LIMIT AND CONSISTING OF DESIGNATING AND LOCATING WHERE PROPOSED UTILITIES AND STORM PIPING CROSS EXISTING UTILITIES AND STORM PIPING WITHIN THE CONTRACT LIMITS.
18. 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.
19. ELECTRIC SERVICE SHALL BE INSTALLED OVERHEAD, THE CONTRACTOR SHALL COORDINATE THIS WORK DIRECTLY WITH THE UTILITY COMPANY.
20. ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE OWNER, ENGINEER, AND APPROPRIATE REGULATORY AGENCIES PRIOR TO INSTALLATION.
21. THE CONTRACTOR SHALL MAINTAIN ALL FLOWS AND UTILITY CONNECTIONS TO EXISTING BUILDINGS WITHOUT INTERRUPTION UNLESS UNTIL AUTHORIZED TO DISCONNECT BY THE OWNERS, THE CIVIL ENGINEER, UTILITY PROVIDERS AND GOVERNING AUTHORITIES.



NOTES:

1. SHALL BE ORIENTATED AT A 10 DEGREE ANGLE DOWNGRADE.
2. RIP-RAP OUTFALL SHALL BE INSTALLED AT OUTFALL TO AVOID WASHOUT.
3. WATER BARS SHALL MAINTAIN A MINIMUM OF 6" STONE IN ALL AREAS.
4. DAMAGED OR ERODED WATERBARS SHALL BE RESTORED TO ORIGINAL DIMENSIONS WITHIN 48 HOURS OF INSPECTION.
5. MAINTENANCE OF WATERBARS SHALL BE PROVIDED UNTIL ROADWAY, SKIDTRAIL, OR DITCH HAS ACHIEVED PERMANENT STABILIZATION.
6. WATERBARS SHALL BE INSTALLED PRIOR TO ANY SWITCH BACK OR SHARP CURVE.

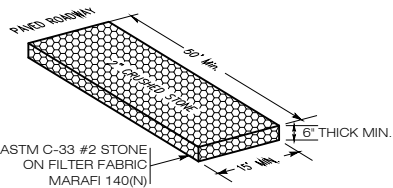
RECOMMENDED WATER BAR SPACING	
PERCENT SLOPE	SPACING (FT)
1%	400*
5%	125
10%	75
15%	50

* OR AS DIRECTED BY THE ENGINEER OF RECORD.

AMERICAN TOWER MASTER SPECIFICATION:

1. DIVISION 31 EARTHWORK SECTION 0312500 FOR EROSION AND SEDIMENT CONTROLS

2 DN-3 WATERBAR DETAIL SCALE : N.T.S.



3 DN-3 CONSTRUCTION ENTRANCE DETAIL SCALE : NTS



1 GRIFFIN ROAD SOUTH
BLOOMFIELD, CT 06002
OFFICE: (860)-580-7174



3 SADDLEBROOK DRIVE PHONE: (860)-663-1697
KILLINGWORTH, CT 06419 FAX: (860)-663-0935
WWW.ALLPOINTSTECH.COM

NO	DATE	REVISION
0	07/11/16	CSC SUBMISSION
1	12/01/16	D&M PLAN SUBMISSION
2		
3		
4		
5		
6		

DESIGN PROFESSIONALS OF RECORD

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

NOTE:

C-TECSOLAR "BARRETTE FARMS"

SITE 1 BALLARD ROAD
ADDRESS: THOMPSON, CT
APT FILING NUMBER: CT481111
DRAWN BY: BJP
CHECKED BY: SMC
DATE: 07/11/16

NOTES & SPECIFICATIONS

SHEET NUMBER:

DN-3

