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October 28, 2015

VIA ELECTRONIC MAIL AND HAND-DELIVERY

Mr. Robert Stein, Chairman
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

Re: Petition No. 1181 – SolarCity Corporation petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction and operation of a 4.93 Megawatt Community Shared Solar Photovoltaic Electric Generating facility located at 9 Stott Avenue and 292 Plain Hill Road, Norwich, Connecticut -- Site Development Plan

Dear Chairman Stein:

On behalf of SolarCity Corporation (“SolarCity”), enclosed as a bulk filing is one full-sized hard copy of the Site Development Plan signed and sealed by a professional engineer. Also enclosed is a disk of this plan, and fifteen (15) copies of the plan on 11x17 paper.

Please contact me at 860-509-6575 with any questions or if you need additional information.

Very truly yours,

BROWN RUDNICK LLP

By: 
Philip M. Small
Counsel for SolarCity Corporation

PMS/jmb
Enclosure

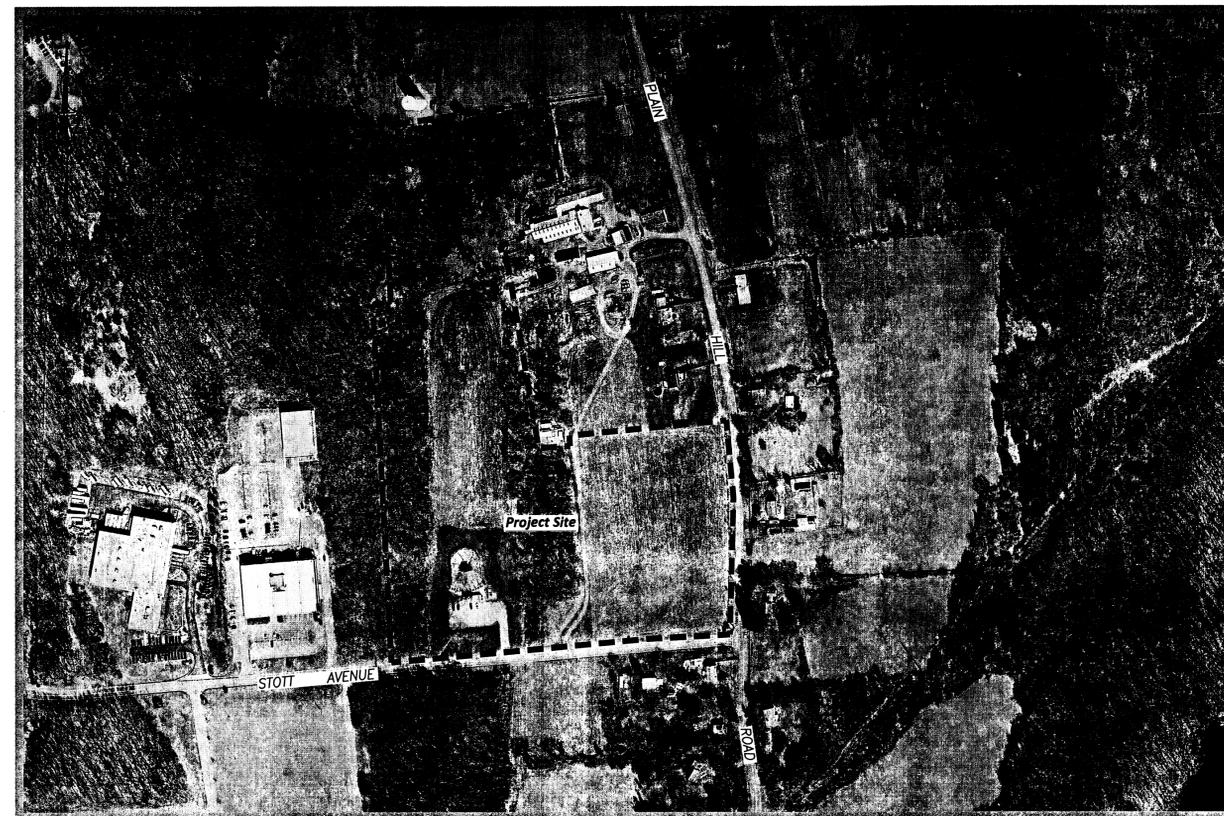
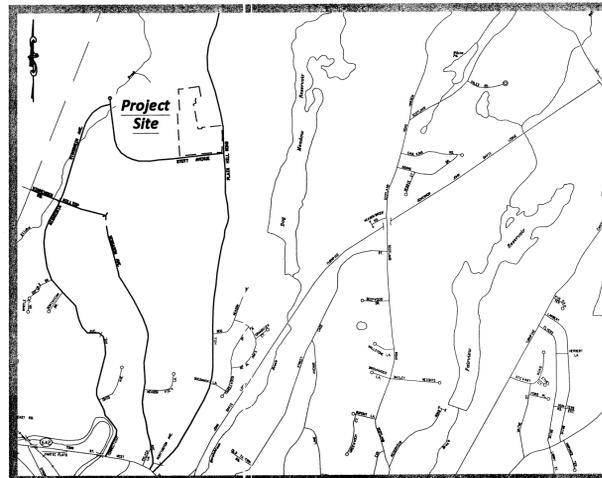
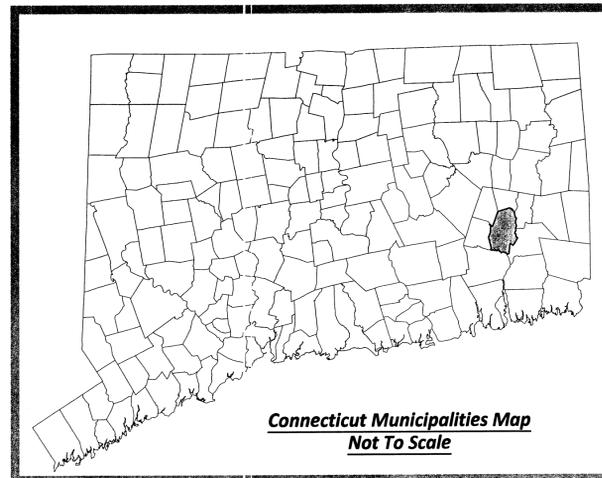
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STOTT AVENUE SOLAR PROJECT SITE DEVELOPMENT AND MANAGEMENT PLAN

SolarCity Corporation

9 Stott Avenue & 292 Plain Hill Road
Norwich, Connecticut
August 2015

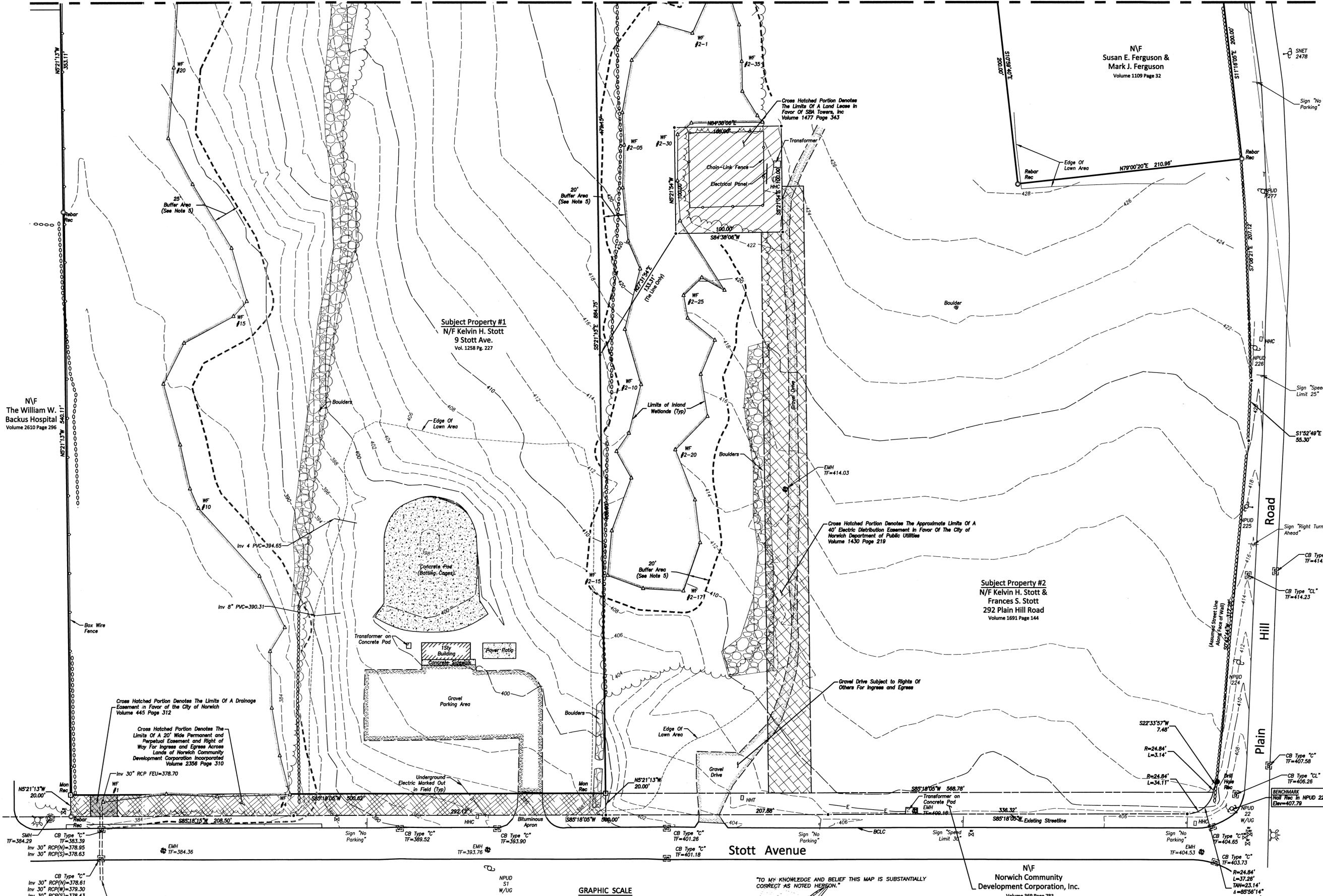
Revision "A" - Development & Management Plan Submittal - 10/15/15



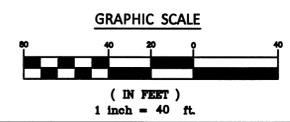
Project Information	
Developed By: Brightfields Development, LLC 40 Walnut Street, Suite 301 Wellesley, MA 02481	Electrical Engineer: SolarCity Corporation 714 Brook Street Rocky Hill, CT 06067
SolarCity Corporation 714 Brook Street Rocky Hill, CT 06067	Host: Kelvin H. Stott & Frances S. Stott 9 Stott Avenue 292 Plain Hill Road Norwich, CT 06360
Civil Engineer: Boundaries LLC 179 Pachaug River Drive Griswold, CT 06351	Utility: Norwich Public Utilities 173 North Main Street Norwich, CT 06360

Index To Drawings	
Sheet	Sheet Title
1	Cover Sheet
2-3	Topographic Survey-Existing Conditions
4	Lease Plan
5-6	Site Preparation and Demolition Plan
7-8	Site Development Plan Solar Modules and Infrastructure
9	Erosion & Sediment Control Narrative and Details
10	Site Details

Match Mark - See Sheet #3



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 CORRECT AS NOTED HEREON."
 JOHN U. FALLOTT, JR., L.S.
 LICENSE NO. 70016
 DATE 10.27.15

N/F
 Norwich Community
 Development Corporation, Inc.
 Volume 369 Page 783

NOTE: SEE SHEET 3 FOR SURVEY NOTES AND LEGEND

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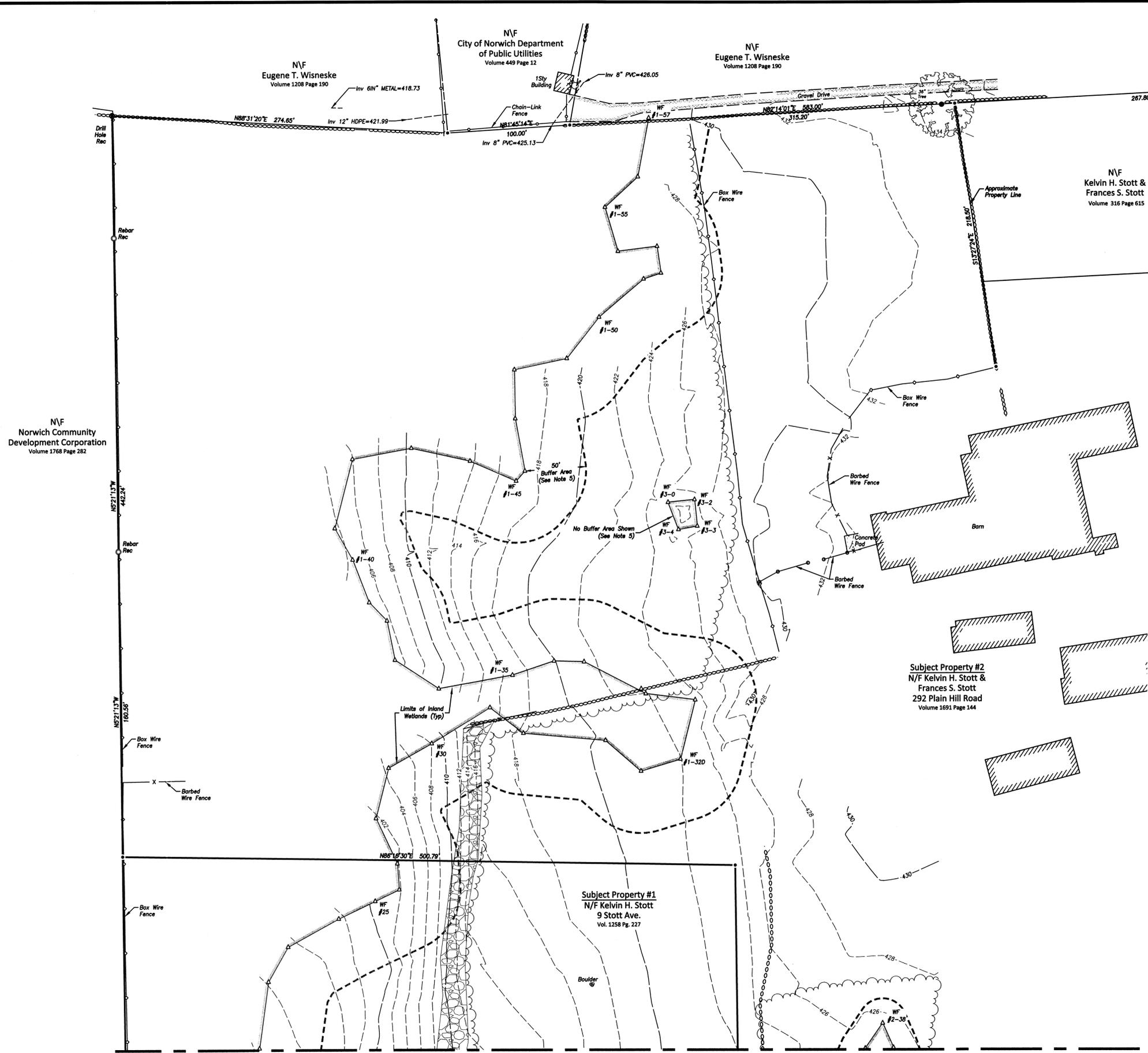
SolarCity
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 Rocky Hill, CT 06067
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SolarCity Corporation
 Site Development and Management Plan
 9 Stott Avenue & 292 Plain Hill Road
 Norwich, Connecticut
 Topographic Survey-Existing Conditions

SCALE:
 1"=40'
 DATE:
 August 2015
 JOB I.D. NO.
 15-2327
 Revisions
 Rev. A - Development & Management
 Plan Submittal - 10/15/15

SHEET NO.
 2
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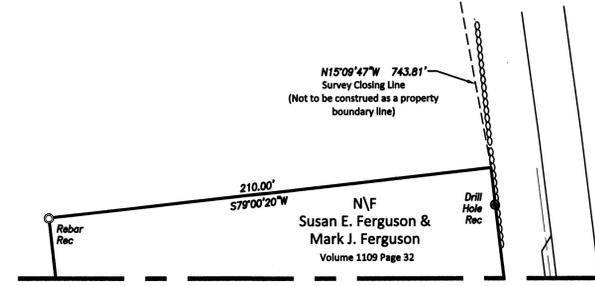


LEGEND & ABBREVIATIONS

±	MORE OR LESS		TREELINE
TYP	TYPICAL		STONEWALL
PVC	POLYVINYL CHLORIDE		STONEWALL REMAINS
RCP	REINFORCED CONCRETE PIPE	•	ANGLE POINT
HDPE	HIGH DENSITY POLYETHYLENE PIPE	○	IRON PIN
S.F.	SQUARE FEET	●	DRILL HOLE
SMH	SANITARY MANHOLE	□	MONUMENT
CB	CATCH BASIN	⊠	FENCE POST
TF	TOP OF FRAME		UTILITY POLE
INV	INVERT		UTILITY POLE WITH LIGHT
WV	WATER VALVE	— —	GUY WIRE
HH	HANDHOLE		CATCH BASIN
WF #1	WETLAND FLAG		SANITARY MANHOLE
MON	MONUMENT		ELECTRIC MANHOLE
REC	RECOVERED		WATER VALVE
NPLUD	NORWICH PUBLIC UTILITIES		SIGN
N/F	NOW OR FORMERLY	△	WETLAND FLAG
— 320 —	EXISTING CONTOUR		

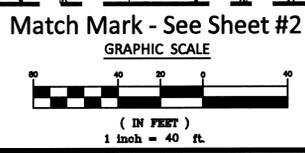
- ### REFERENCE MAPS
- RESUBDIVISION SURVEY PROPERTY OF KELVIN H. STOTT, PLAIN HILL ROAD NORWICH, CONNECTICUT, DATED FEBRUARY 1996, SCALE: 1"= 100', PREPARED BY CLA ENGINEERS, INC.
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 - LOT LINE REVISION OF 292 PLAIN HILL ROAD, NORWICH, CONNECTICUT, PREPARED FOR KELVIN H. STOTT DECEMBER 16, 1998, SCALE: 1"= 100', PREPARED BY GESICK & ASSOCIATES P.C.
 - BOUNDARY SURVEY PROPERTY TO BE CONVEYED TO THE WM. W. BACKUS HOSPITAL, #11 STOTT AVENUE, NORWICH, CONNECTICUT, DATED APRIL 2010, SCALE: 1"= 40' PREPARED BY CLA ENGINEERS, INC.
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 - KELVIN STOTT BASEBALL BATTING RANGE SITE PLAN, 292 PLAIN HILL ROAD NORWICH, CONNECTICUT, DATED JANUARY 1996, REVISED 2/13/96, SCALE: 1"= 20', PREPARED BY CLA ENGINEERS, INC.
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 - LAND TO BE CONVEYED BY MICHAEL AND BLANCHE WISNESKE TO THE NORWICH COMMUNITY DEVELOPMENT CORPORATION INCORPORATED, CITY OF NORWICH, CONNECTICUT, SCALE: 1"= 20', REVISED 6/9/72, PREPARED BY C.E. MAGUIRE, INC.
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- ### SURVEY NOTES
- THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300B-1 THROUGH 20-300B-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES AND "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED FOR USE BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1998. IT IS A PROPERTY AND TOPOGRAPHIC SURVEY BASED ON RESURVEY AND CONFORMS TO HORIZONTAL CLASS 4-2 AND TOPOGRAPHIC CLASS 1-2 ACCURACY STANDARDS. IT IS INTENDED TO DEPICT EXISTING SITE CONDITIONS FOR THE BASIS OF FUTURE DEVELOPMENT.
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"TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON."

JOHN U. FERGUSON, JR., L.S. 70016 10-27-15
 LICENSE NO. DATE



N/F
 Norwich Community
 Development Corporation
 Volume 1768 Page 282

N/F
 Eugene T. Wisneske
 Volume 1208 Page 190

N/F
 City of Norwich Department
 of Public Utilities
 Volume 449 Page 12

N/F
 Eugene T. Wisneske
 Volume 1208 Page 190

N/F
 Kelvin H. Stott &
 Frances S. Stott
 Volume 316 Page 615

Subject Property #2
 N/F Kelvin H. Stott &
 Frances S. Stott
 292 Plain Hill Road
 Volume 1691 Page 144

Subject Property #1
 N/F Kelvin H. Stott
 9 Stott Ave.
 Vol. 1258 Pg. 227

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BOUNDARIES
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 179 Peckham River Drive, Glastonbury, CT 06033
 1-860-376-2006 | www.boundariesllc.net

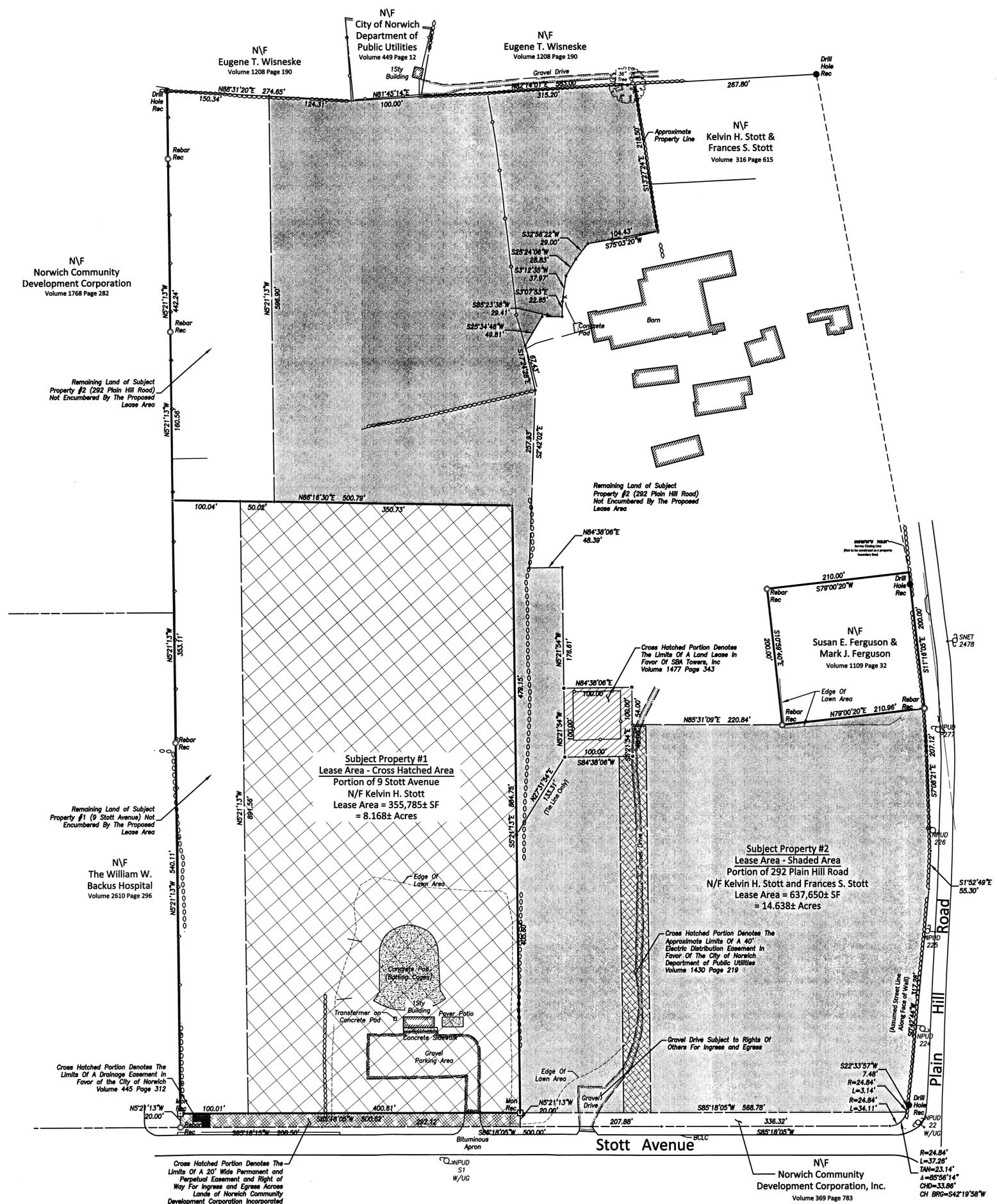
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 www.brightfields.com

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 Norwich, CT 06460
 www.solarcity.com

SolarCity Corporation
 Site Development and Management Plan
 9 Stott Avenue & 292 Plain Hill Road
 Norwich, Connecticut
 Topographic Survey-Existing Conditions

SCALE: 1"=40'
 DATE: August 2015
 JOB I.D. NO. 15-2327
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 Rev. A - Development & Management
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SHEET NO.
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REFERENCE MAPS

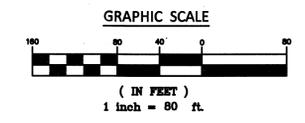
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LEGEND & ABBREVIATIONS

±	MORE OR LESS
TYP	TYPICAL
S.F.	SQUARE FEET
MON	MONUMENT
REC	RECOVERED
NPUD	NORWICH PUBLIC UTILITIES
N/F	NOW OR FORMERLY
○	STONEWALL
○	STONEWALL REMAINS
•	ANGLE POINT
○	IRON PIN
●	DRILL HOLE
□	MONUMENT
○	FENCE POST
○	UTILITY POLE
○	UTILITY POLE WITH LIGHT
—	GUY WIRE



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

JOHN W. [Signature] JR. L.S. 70016 18-27-15
 LICENSE NO. DATE

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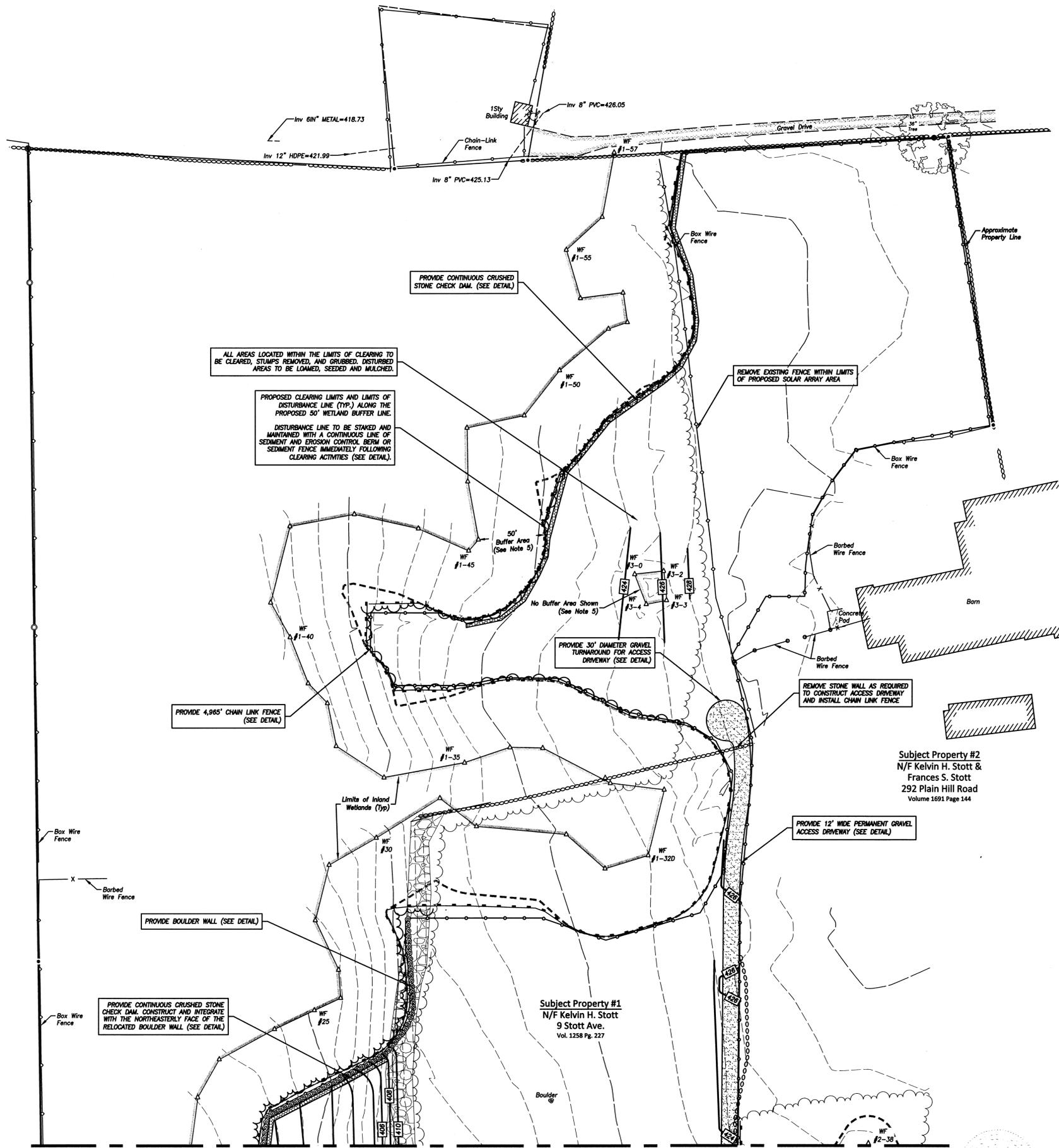
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SolarCity Corporation
 Site Development and Management Plan
 9 Stott Avenue & 292 Plain Hill Road
 Norwich, Connecticut
 Lease Plan

SCALE: 1"=80'
 DATE: August 2015
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 Rev. A - Development & Management Plan Submittal - 10/15/15

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ALL AREAS LOCATED WITHIN THE LIMITS OF CLEARING TO BE CLEARED, STUMPS REMOVED, AND GRUBBED. DISTURBED AREAS TO BE LOAMED, SEEDED AND MULCHED.

PROPOSED CLEARING LIMITS AND LIMITS OF DISTURBANCE LINE (TYP.) ALONG THE PROPOSED 50' WETLAND BUFFER LINE. DISTURBANCE LINE TO BE STAKED AND MAINTAINED WITH A CONTINUOUS LINE OF SEDIMENT AND EROSION CONTROL BERM OR SEDIMENT FENCE IMMEDIATELY FOLLOWING CLEARING ACTIVITIES (SEE DETAIL).

PROVIDE CONTINUOUS CRUSHED STONE CHECK DAM. (SEE DETAIL)

REMOVE EXISTING FENCE WITHIN LIMITS OF PROPOSED SOLAR ARRAY AREA

PROVIDE 30" DIAMETER GRAVEL TURNAROUND FOR ACCESS DRIVEWAY (SEE DETAIL)

REMOVE STONE WALL AS REQUIRED TO CONSTRUCT ACCESS DRIVEWAY AND INSTALL CHAIN LINK FENCE

PROVIDE 4,965' CHAIN LINK FENCE (SEE DETAIL)

PROVIDE 12' WIDE PERMANENT GRAVEL ACCESS DRIVEWAY (SEE DETAIL)

PROVIDE BOULDER WALL (SEE DETAIL)

PROVIDE CONTINUOUS CRUSHED STONE CHECK DAM. CONSTRUCT AND INTEGRATE WITH THE NORTHEASTERLY FACE OF THE RELOCATED BOULDER WALL (SEE DETAIL)

Subject Property #2
N/F Kelvin H. Stott &
Frances S. Stott
292 Plain Hill Road
Volume 1691 Page 144

Subject Property #1
N/F Kelvin H. Stott
9 Stott Ave.
Vol. 1258 Pg. 227

Match Mark - See Sheet #5



Match Mark - See Sheet #8

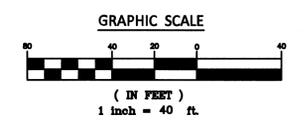


LIMITS OF PERIMETER IMPROVEMENTS COMPLETED DURING SITE PREPARATION AND DEMOLITION (CHAIN LINK FENCE, BOULDER WALL, WATER QUALITY BASINS, STONE CHECK DAM, AND GRAVEL BERM)

PROPOSED SOLAR PHOTOVOLTAIC SYSTEM

Stott Avenue

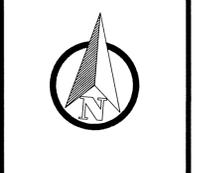
Hill Road
Plain Road



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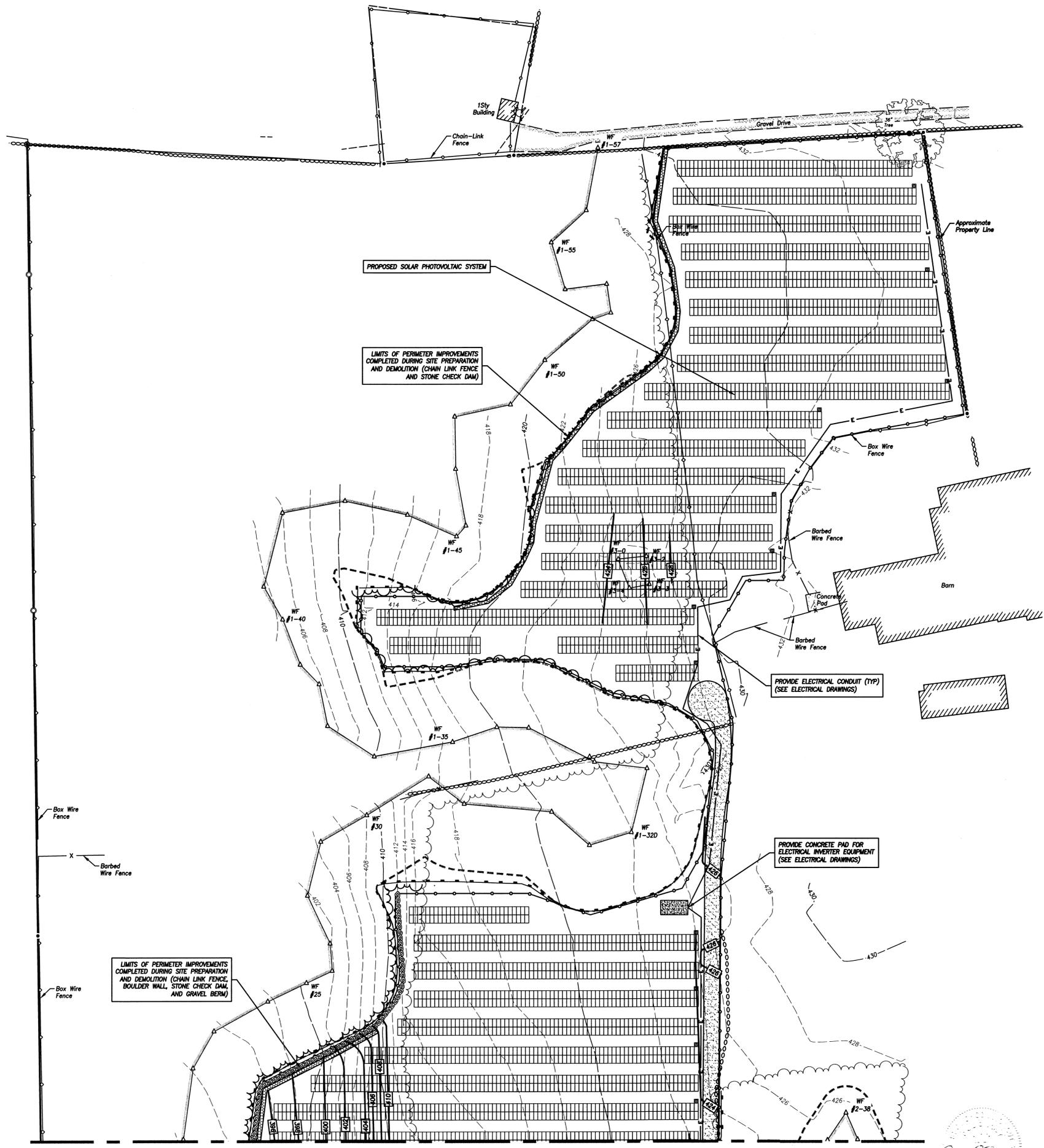
SolarCity Corporation
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 Norwich, Connecticut
 Site Development Plan Solar Modules and Infrastructure

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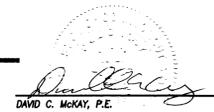
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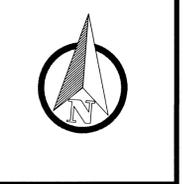
DAVID C. MCKAY, P.E. 29102 10/27/15
 LICENSE NO. DATE

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Match Mark - See Sheet #7


 DAVID C. MCKAY, P.E. 29102 10/27/15
 LICENSE NO. DATE



SolarCity Corporation
Site Development and Management Plan
 9 Stott Avenue & 292 Plain Hill Road
 Norwich, Connecticut
Site Preparation and Demolition Plan

SCALE:	1"=40'
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JOB I.D. NO.:	15-2327
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SHEET NO.

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Reference is Made To:

- 1. Connecticut Guidelines For Soil Erosion and Sediment Control, MAY 2002.
2. Soil Survey Of New London County Connecticut, U.S.D.A. Soil Conservation Service.

Development Schedule:

- Prior to the start of construction, the contractor is to schedule a mandatory preconstruction meeting on site to discuss issues as they relate to the proposed project. These issues will include but not be limited to:
1. Resource Protection.
2. Construction Vehicle Access and Parking.
3. Construction Methods and Scheduling.
4. Existing site utilities and mark-out coordination.
5. Material delivery and stockpiling.
6. Site inspection procedures and As-Built drawings.

General Sequence of Construction:

- 1. Secure all necessary local, state, and federal permits. Register for all applicable state and federal permits as required.
2. Install anti-tracking pad at construction entrance in vicinity of proposed access drive.
3. Rough grade (cut and fill as required) access drive. Place and compact driveway base and install traffic bound gravel surface for access drive. Stabilize all side slopes as soon as completed by loaming all disturbed areas (4" minimum), seed with grass/hydrated and mulch.
4. Clear and remove all trees within the proposed clearing limits. Chip trees for use as sediment and erosion control berms.
5. Install sediment and erosion control berms or sediment fence as shown down gradient of proposed development area prior to grubbing operations.
6. Install chain link security fence along entire perimeter of development area and access road.
7. Grub stumps and strip topsoil in cleared areas and proposed grading areas stockpile all topsoil at the locations indicated or other approved location. Seed these stockpiles with ryegrass and surround with sediment fence or sediment and erosion control berm.
8. All stumps are to be ground or disposed of off-site.
9. Install boulder barriers, strompoc traps, temporary sediment traps, and crushed stone check dams, and grade as shown within the cleared areas (13% maximum within the solar array area and 3H:1V maximum in other areas), place 4" of topsoil (minimum), seed and mulch disturbed areas.
10. Demolish existing structures in accordance with local, state, and federal requirements.
11. Grade remainder of site to the grades shown (13% maximum within the solar array area and 3H:1V maximum in other areas), place 4" of topsoil (minimum), seed and mulch disturbed areas.
12. Install final landscaping improvements and proposed solar array system. Install conduit, concrete utility pads and electrical equipment as required for harvesting power.
13. After all areas have been permanently stabilized, remove erosion control measures. Sediment and erosion control berms may be left in place at the option of the Contractor.

Soil Disturbance Phasing:

The project results in an estimated total soil disturbance of 4.91 acres as a result of the following activities:

- 1. Access drive construction and grading - 0.77 acres
2. Clearing, grubbing, and grading of cleared areas - 2.70 acres
3. Existing structure demolition and grading - 1.29 acres
4. Miscellaneous site improvements (landscaping, utilities, etc.) - 0.15 acres

Sediment and erosion control measures shall be installed on the downgradient limit of the project area prior to the initiation of any soil disturbing activities.

Construction Notes:

- 1. The Contractor shall Call Before You Dig at 811 or 1-800-922-4455 at least 72 hours, Saturdays, Sundays, and holidays excluded, prior to excavation at any location. A copy of the Call Before You Dig project reference number(s) shall be given to the Owner prior to excavation.
2. Locations of existing pipes, conduits, utilities, foundations and other underground objects are not warranted to be correct and the Contractor shall verify their location and depth prior to any clearing operations.
3. Stone walls, fences, curbs, etc. shall be removed and replaced as necessary to perform the work. Unless otherwise indicated, all such work shall be incidental to construction of the project.
4. All other areas disturbed by the Contractor beyond payment limits shall be restored at no additional cost to the Owner.
5. The wetland buffer to be maintained shall be in accordance with any clearing operations.
6. All work shall be done in accordance with OSHA requirements and the contractor is responsible for compliance with these requirements. In addition, it shall be the responsibility of the Contractor to provide any excavation safeguards, necessary barricades, flagmen, etc. for traffic control and site safety.
7. All erosion & sedimentation control measures shall be installed prior to the start of construction.
8. All fuel, oil, paint or other hazardous materials used during construction should be stored in a secondary container and removed to a locked indoor area with an impervious floor during non-work hours.
9. No waste materials (such as stumps) are allowed to be buried on site. All waste materials shall be disposed of off-site at an appropriate location in accordance with all local, state, and federal regulations.

Erosion Control Operation & Maintenance:

The applicant shall be responsible for the installation and maintenance of erosion and sediment control measures throughout the project. No construction shall proceed until proper sedimentation and erosion control methods have been installed as the sequence of construction necessitates.

Every precaution shall be used during construction to prevent and minimize the degradation of the existing water quality from stormwater runoff during construction. All activities shall be in conformance to and consistent with all applicable water quality standards and management practices as set forth by local, state and federal agencies.

The applicant shall appoint an onsite agent who shall be personally responsible for implementing this erosion and sediment control plan and enforcing the prescribed safeguards during the excavation and operation period.

This responsibility includes the installation and maintenance of control measures throughout the project, informing all parties engaged on site of the requirements and objectives of the plan, notifying the proper agency and officials of any transfer of this responsibility.

All erosion and sediment control measures shall be repaired, cleaned and/or replaced as necessary throughout the project in order to maintain complete and integral erosion and sediment control protection. Once in place, all erosion and sediment control measures are to remain in place in proper condition and be continuously maintained until final site restoration has been completed. Following such permanent stabilization, the erosion and sediment control measures shall be dismantled, removed, and disposed of in an approved manner. Additional erosion and sediment control measures beyond those shown on the plans or prescribed herein shall be put in place, whenever necessary, to address field conditions and/or as ordered by the engineer. Where sites have been temporarily or finally stabilized, such inspection shall be conducted at least once every month for three consecutive months.

Qualified personnel provided by the applicant shall inspect disturbed areas and the locations where vehicles enter and leave the site. These areas shall be inspected at least once every seven calendar days and within twenty-four hours of the end of a storm that is 0.5 inches or greater. Additional measures beyond those indicated and/or shown on this plan set or prescribed herein shall be put in place, whenever necessary, to address field conditions and/or as ordered by the engineer. Where sites have been temporarily or finally stabilized, such inspection shall be conducted at least once every month for three consecutive months.

No soil, fill or other materials shall be deposited in surrounding inland wetlands.

All temporary storage and/or stockpile areas shall be properly stabilized to prevent erosion and suitably contained to prevent turbid runoff.

Dumping of oil or other deleterious materials on the ground is forbidden. The applicant shall provide a means of catching, retaining and properly disposing of drained oil, removed oil filters, or other deleterious material from equipment used on site. Vehicle maintenance shall be completed off site. All oil spills shall be immediately reported to the department of energy and environmental protection/hazardous materials office. Failure to do so may result in the imposition of fines under the applicable Connecticut General Statutes.

During construction, the applicant shall be responsible for site inspection and maintenance to assure proper performance of erosion control measures. Inspection and maintenance shall include, at a minimum, the following:

- Inspect all sediment fence, sediment and erosion control berms and other erosion control measures. Repair or replace any damaged portion in order to insure its proper and effective operation. Remove accumulated sediment if required (greater than 4" depth).
- Inspect all stockpiles. Repair or replace any damaged portion of erosion control measures surrounding these areas in order to prevent sedimentation downgradient.
- Inspect grass restored areas. Revegetate any eroded or disturbed areas to provide permanent stabilization. Reseed and/or revegetate any areas that do not have a suitable stand of grass or any scoured areas to provide permanent stabilization.
- Inspect anti-tracking pad. Remove and dispose of pad and replace if pad is no longer functioning efficiently or accumulated sediment is to a depth of 2" below the stone surface.
- Inspect all stone check dams. Remove accumulated sediment if required (blocking more than 3" depth of flow).
- Inspect all temporary and permanent stormwater basins. Remove accumulated sediment if required (greater than 6" depth), revegetate if necessary to provide stabilization.
- Inspect downgradient areas of all outlets and solar arrays. Stabilize any eroded areas if found.

Erosion and Sediment Control

Best Management Practices (BMPs)

Minimize Disturbed Area and Protect Natural Features and Soil:

Topsoil:

Topsoil will be removed and stockpiled on site and utilized for final grading. Additional topsoil, if required will be supplied from an off-site source. Excess materials resulting from "cut slopes" in the areas of the proposed construction that are not intended for reuse will be immediately removed from the site. When soil is stockpiled, the slope of the stockpile will not exceed 2 horizontal to 1 vertical.

Installation Schedule: As noted, excavated topsoil will be stockpiled on site. Sediment fence will be placed around any stockpiles that are not immediately removed from the site to protect the existing drainage ditches and off site areas.

Maintenance and Inspection: The cut and fill areas will be inspected weekly for erosion. These areas will be stabilized immediately with erosion controls or graded to avoid possible disturbance to the existing drainage ditches or off site areas. See also maintenance and inspection procedures for all fence.

Control Stormwater Flowing Onto and Through the Project:

Area for Silt to Accumulate:

BMP/Installation Schedule: Before any grading operations begin, a sediment and erosion control berm or sediment fence will be installed adjacent to the areas under construction just outside the limits of disturbance.

Other adjacent off site areas will always be protected by a sediment fence or another BMP until final stabilization is achieved. **Maintenance and Inspection:** The graded areas and sediment fence will be inspected weekly to ensure that there are no structural failures and immediately after rain events.

Construction Specifications

Sediment and Erosion Control Berm

1. The material for sediment and erosion control berms will be acquired in conjunction with the removal and chipping of trees located within the project area.

Erect sediment and erosion control berm in a continuous fashion at the specified height and width.

- 1. Sediment should be removed once it has accumulated to a depth of 4".
2. Berm should be repaired if it has been breached.
3. Berm can be left in place permanently and left to deteriorate.
4. All sediment accumulated at the berm should be removed and properly disposed of if the berm is to be removed.

Sediment Fence

- 1. The material for sediment fences should be a pervious sheet of synthetic fabric such as polypropylene, nylon, polyester, or polyethylene yarn.
2. The stakes used to anchor the filter fabric should be wood or metal. Wooden stakes should be at least 3 feet long and have a minimum diameter of 2 inches if a hardwood like oak is used. Stakes from soft woods like pine should be at least 4 inches in diameter.
3. Erect sediment fence in a continuous fashion from a single roll of fabric to eliminate gaps in the fence. If a continuous roll of fabric is not available, overlap the fabric from both directions only at stakes or posts. Overlap at least 6 inches. Excavate a trench to bury the bottom of the fabric fence at least 6 inches below the ground surface. This helps to prevent gaps from forming near the ground surface. Gaps would make the fencing useless as a sediment barrier.
4. The height of the fence posts should be 16 to 34 inches above the original ground surface. Space the posts no more than 10 feet apart.
5. The fence should be designed to withstand the runoff from a 10-year peak storm event. Once installed, it should remain in place until all areas upslope have been permanently stabilized by vegetation or other means.

Installation:

- 1. Dig a 6" deep trench on the uphill side of the proposed barrier location.
2. Position the posts on the downhill side of the fabric barrier and drive the post 1.5 feet into the ground.
3. Lay the bottom 6" of the fabric barrier in the trench to prevent undermining and backfill.

Maintenance:

- 1. Sediment should be removed once it has accumulated to 4" depth.
2. Filter fabric should be replaced whenever it has deteriorated to such an extent that the effectiveness of the fabric is reduced (approximately six months).
3. Sediment fence should remain in place until disturbed areas have been permanently stabilized.
4. All sediment accumulated at the fence should be removed and properly disposed of before the fence is removed.

Inspection:

- 1. Inspect sediment fence before anticipated storm events (or series of storm events such as intermittent showers over one or more days) and within 24 hours after the end of a storm event of 0.5 inches or greater, and at least once every seven calendar days, at least 72 hours apart.
2. Where sites have been finally or temporarily stabilized, such inspections may be conducted once per month.

Straw Bale Barrier

Installation:

- 1. Excavate trench 4" and place material upslope of trench.
2. Place bales in a single row in the trench, lengthwise, with ends of adjacent bales tightly abutting one another and the bindings oriented the sides rather than along the tops and bottoms of the bales (to avoid premature rotting of the bindings).
3. Anchor each bale with at least 2 stakes, driving the first stake in each bale toward the previously laid bale to force the bales together. Stakes must be driven a minimum of 18 inches into the ground. Fill any gaps between the bales with straw to prevent water from escaping between bales.
4. Backfill the bales with the excavated trench material to a minimum depth of 4 inches on the uphill side of the bales. Tamp by hand or machine and compact the soil. Loose straw scattered over the disturbed area immediately uphill from the hay bale barrier tends to increase barrier efficiency.

Maintenance:

- 1. Inspect the straw bale barrier at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater to determine maintenance needs. For dewatering operations, inspect frequently before, during, and after pumping operations. Remove the sediment deposits when sediment deposits reach approximately one half the height of the barrier.
2. Replace or repair the barrier within 24 hours of observed failure. Failure of the barrier has occurred when sediment fails to be retained by the barrier because:
(a) the barrier has been overlapped, undercut or bypassed by runoff water,
(b) the barrier has been moved out of position, or
(c) the straw bales have deteriorated or been damaged.
3. When repetitive failures occur at the same location, review conditions and limitations for use and determine if additional controls are needed to reduce failure rate or replace straw bale barrier.
4. Maintain the straw bale barrier until the contributing area is stabilized. After the upslope areas have been permanently stabilized, pull the stakes out of the hay bales. Remove sediment.

Dust Control:

Dust from the site will be controlled by using a mobile pressure-type distributor truck that will apply potable water at rate of 300 gallons per acre and minimized as needed to avoid ponding.

Installation Schedule: Dust control will be implemented as needed once site grading has been initiated, and during windy conditions exceeding 20mph, while site grading is occurring. Spraying of potable water will be performed once per day during the months of March through May and no more than three times per day from June to September or whenever dryness of soil warrants it.

Maintenance Schedule: At least one mobile unit will be available at all times during construction to apply potable water. Each mobile unit shall be equipped with a positive shutoff valve to prevent over watering of disturbed areas.

Soil Stabilization:

Temporary Stabilization:

BMP Description: Hydromulching will be used on slopes where construction will cease for more than 14 days and over the winter months to stabilize erodible materials. Straw mulch and wood fiber will be mixed with a tackifier and applied uniformly by machine with an application rate of 2 tons (100-200 bales) per acre. The contractor will use crimping equipment to bind the mulch to the soil if the tackifier is not effective. Netting will be used on small areas with steep slopes. In areas where hydromulching is infeasible, straw mulch will be applied by hand at the same application rate. Temporary Seeding will be used on any area where construction activity is suspended for more than twenty-one days to stabilize erodible materials. Refer to the Erosion Control Plan for guidance on seeding mixtures, rates, and acceptable planting dates for temporary seeding.

Installation Schedule: Portions of the site where construction activities will temporarily cease for more than 14 days will be stabilized with mulch. Where construction activities will temporarily cease for more than 21 days it will be temporarily seeded. Winter stabilization will be provided between December 25 and March 30.

Maintenance and Inspection: Mulched areas will be inspected weekly to ensure that adequate coverage is provided. Repairs will be conducted as needed.

Seed Mixture For Temporary Seeding

Table with 3 columns: Annual Ryegrass, LBS./ACRE, LBS./1000 S.F. Values: 40, 1.0. See Figure TS-2 in the 2002 Guidelines for additional temporary seed mixes.

Final Stabilization:

Permanent seeding should be applied immediately after the final design grades are achieved at the site but no later than 14 days after construction activities have permanently ceased. After the entire site is stabilized, any sediment that has accumulated will be removed and hauled off site to a licensed landfill facility. Construction debris, trash, and temporary BMP's will also be removed and any areas disturbed during removal will be seeded immediately.

Seeded Preparation:

- 1. Topsoil will be spread over final graded areas at a minimum depth of four inches. Topsoil shall inclusively mean a soil meeting one of the following soil textural classes established by the United States Department of Agriculture classification system based upon the proportion of sand, silt, and clay size particles after passing a 2 millimeter (mm) sieve and subjected to a particle size analysis:
1.1. Loamy sand, including coarse, loamy fine, and loamy very fine sand, sandy loam, including coarse, fine and very fine sandy loam, loam, or silt loam with not more than 60% silt;
1.2. Containing not less than 6% and not more than 20% organic matter as determined by loss-on-ignition of oven dried samples dried at 105 degrees centigrade;
1.3. Possessing a ph range of 6.0-7.5, except if the vegetative practice being used specifically requires a lower ph, then ph may be adjusted accordingly;
1.4. Having soluble salts not exceeding 500 ppm;
1.5. And that is loose and friable and free from refuse, stumps, roots, brush, weeds, frozen particles, rocks, and stones over 1.25 inches in diameter, and any material that will prevent the formation of a suitable seedbed or prevent seed germination and plant growth.
2. Fertilizer will be applied to the seedbed as needed. Fertilizers will be commercial type of uniform composition, free-flowing and conforming to the applicable State and Federal laws. Choose native species that are adapted to local weather and soil conditions wherever possible to reduce water and fertilizer inputs and lower maintenance overall.

3. Topsoil will be loosened by raising, tilling or other suitable methods. Final stabilization should be installed on portions of the site where construction activities have permanently ceased but no later than 14 days after construction ceases.

All seeded areas will be inspected weekly during construction activities for failure until a dense cover of vegetation has been established. If failure is noticed on the seeded area, the area will be reseeded, fertilized and mulched immediately. After construction is complete at the site permanent stabilization measures will be monitored until final stabilization is reached.

Seed Mixture For Upland Areas

Table with 3 columns: Kentucky Bluegrass, Creeping Red Fescue, Perennial Ryegrass, LBS./ACRE, LBS./1000 S.F. Values: 20, 0.45; 20, 0.45; 5, 0.10; 45, 1.00.

The recommended seeding dates are: April 1-June 15 and August 1-September 15

ENVIRONMENTAL NOTES

(PREPARED BY ALL POINTS TECHNOLOGY)

Wetland Protection Program

Portions of the proposed Project are located in close proximity to wetlands. As a result, the following protective measures shall be followed to help avoid degradation of the nearby wetland system.

It is of the utmost importance that the Contractor complies with the requirement for the installation of protective measures and the education of its employees and subcontractors performing work on the project site. These measures will also provide protection to a nearby wetland system. This protection program shall be implemented regardless of time of year the construction activities occur. The Points Technology Corporation, P.C. ("PTP") will serve as the Environmental Monitor for this project to ensure that wetland protection measures are implemented properly. The Contractor shall contact Dean Gustafson, Senior Environmental Scientist at PTP, at least 5 business days prior to the pre-construction meeting. Mr. Gustafson can be reached by telephone at (860) 663-1897 ext. 201 or via email at dgustafson@allpointstech.com.

The wetland protection program consists of several components: use of appropriate erosion control measures to control and contain erosion while avoiding/minimizing wildlife entanglement; periodic inspection and maintenance of isolation structures and erosion control measures; education of all contractors and sub-contractors prior to initiation of work on the site; protective measures and reporting.

1. Erosion and Sedimentation Controls

a. Plastic netting used in a variety of erosion control products (i.e., erosion control blankets, fiber rolls [wattles], 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 mat (net less) or netting composed of planar woven natural biodegradable fiber to avoid/minimize wildlife entanglement.

b. Installation of erosion control measures shall be performed by the Contractor prior to any earthwork. The Environmental Monitor will inspect the work zone area prior to and following barrier installation to ensure erosion controls are properly installed.

c. In addition to required daily inspection by the Contractor, the fencing will be inspected for tears or breaches in the fabric following installation periodically by the Environmental Monitor throughout the course of the construction project.

d. The extent of the erosion controls will be as shown on the site plans. The Contractor shall have additional erosion control materials should field conditions warrant extending the fencing as directed by the Environmental Monitor.

e. All silt fencing and other erosion control devices shall be removed within 30 days of completion of work and permanent stabilization of site soils. If fiber rolls/wattles, straw bales, or other natural material erosion control products are used, such devices will not be left in place to biodegrade and shall be promptly removed after soils are stable so as not to create a barrier to migrating wildlife. Seed from seeding of soils should not spread over fiber rolls/wattles as it makes them harder to remove once soils are stabilized by vegetation.

2. Contractor Education

a. Prior to work on site, the Contractor shall attend an educational session at the pre-construction meeting with the Environmental Monitor. This orientation and educational session will consist of an introductory meeting with the Environmental Monitor to understand the environmentally sensitive nature of the development site and the need to follow these protective measures.

3. Petroleum Materials Storage and Spill Prevention

a. Certain precautions are necessary to store petroleum materials, refuel and contain and properly clean up any inadvertent fuel or petroleum (i.e., oil, hydraulic fluid, etc.) spill due to the project's location in proximity to sensitive wetlands.

b. A spill containment kit consisting of a sufficient supply of absorbent pads and absorbent material will be maintained by the Contractor at the construction site throughout the duration of the project. In addition, a waste drum will be kept on site to contain any used absorbent pads/material for proper and timely disposal off site in accordance with applicable local, state and federal laws.

c. The following petroleum and hazardous materials storage and refueling restrictions and spill response procedures will be adhered to by the Contractor.

i. Petroleum and Hazardous Materials Storage and Refueling

1. Refueling of vehicles or machinery shall occur a minimum of 100 feet from wetlands or watercourses and shall take place on an impervious pad with secondary containment designed to contain fuels.

2. Any fuel or hazardous materials that must be kept on site shall be stored on an impervious surface utilizing secondary containment a minimum of 100 feet from wetlands or watercourses.

ii. Initial Spill Response Procedures

- 1. Stop operations and shut off equipment.
2. Remove any sources of spark or flame.
3. Contain the source of the spill.
4. Determine the approximate volume of the spill.
5. Identify the location of natural flow paths to prevent the release of the spill to sensitive nearby waterways or wetlands.
6. Ensure that fellow workers are notified of the spill.

iii. Spill Clean Up & Containment

- 1. Obtain spill response materials from the on-site spill response kit. Place absorbent materials directly on the release area.
2. Limit the spread of the spill by placing absorbent materials around the perimeter of the spill.
3. Isolate and eliminate the spill source.
4. Contact appropriate local, state and/or federal agencies, as necessary.
5. Contact a disposal company to properly dispose of contaminated materials.

iv. Reporting

- 1. Complete an incident report.
2. Submit a completed incident report to appropriate local, state and/or federal agencies, as necessary.
3. Determine and Postcard Restrictions

a. In the event herbicides and/or pesticides are required at the proposed facility, their use will be used in accordance with Integrated Pest Management ("IPM") principles with particular attention to minimize applications within 100 feet of wetland or watercourse resources. No applications of herbicides or pesticides are allowed within actual wetland or watercourse resources.

5. Reporting

a. Any incidents of sediment release into the nearby wetland will be reported to the Connecticut Siting Council.

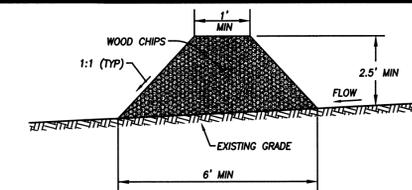
Wildlife Habitat Enhancement Measures

Areas located between the perimeter fence and forest edge (including forest areas that will be cleared to prevent shading of the proposed solar array), shall be managed as follows to enhance wildlife habitat. The relatively narrow strip of land (generally 25 feet in most areas with an expansion to 50 feet for developed areas for areas bordering vegetated community types) located between the perimeter fence and the newly-created forest edge shall be mowed on a rotational basis every 4 to 7 years. Mowing shall not occur between March 1 and November 1 to minimize potential for wildlife impact. This mowing regime will allow the area to revert to a late old field habitat cover and create a "soft" ecotone that will provide cover and habitat for a number of wildlife species that utilize this "edge" habitat, particularly nesting bird species.

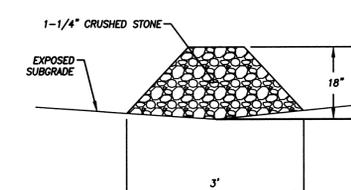
Bat and Avian Protection Program

The proposed construction activities will result in the clearing of trees, shrubs and mature vegetation that has the potential to support breeding birds. In addition, depending on the type and timing of forest management activities there is potential for mortality and temporary removal or degradation of roosting and foraging habitat for northern long-eared bat. Northern long-eared bat is a federally-listed Threatened Species and a state-listed Endangered Species.

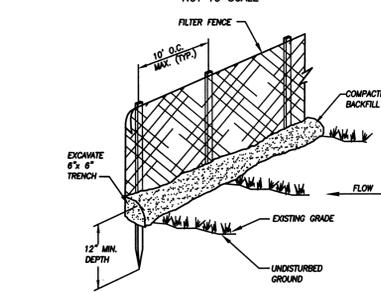
In order to limit disturbance to tree roosting and breeding habitat utilized by northern long-eared bat and various bird species, the Contractor shall not perform tree clearing activities between April 15 and August 31.



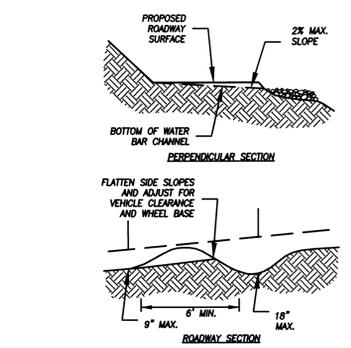
SEDIMENT AND EROSION CONTROL BERM NOT TO SCALE



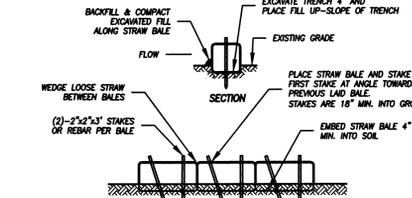
STONE CHECK DAM SECTION NOT TO SCALE



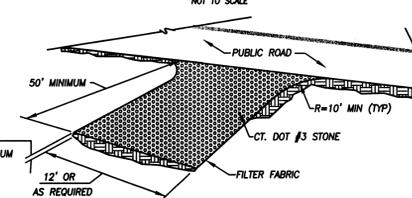
SEDIMENT FENCE DETAIL NOT TO SCALE



WATER BAR DETAIL NOT TO SCALE



STRAW BALE BARRIER DETAIL NOT TO SCALE



ANTI-TRACKING PAD NOT TO SCALE

BOUNDARIES logo and contact information for Brightfields Development LLC, including address and website.

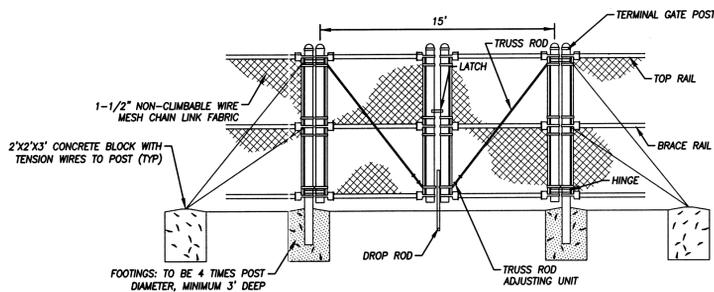
SolarCity logo and contact information, including address and website.

SolarCity Corporation Site Development and Management Plan 9 Stott Avenue & 292 Plain Hill Road Norwich, Connecticut Erosion and Sediment Control Narrative & Details

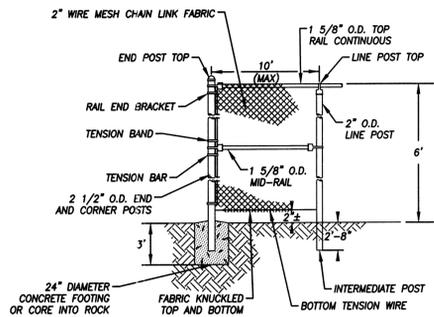
Project metadata including scale (As Noted), date (August 2015), job ID (15-2327), sheet number (9), and revision information.

BOUNDARIES logo and copyright notice for 2015 Boundaries LLC, stating the drawing is the property of Boundaries LLC.

Signature of David C. McKay, P.E., license number 29102, and date 02/27/15.



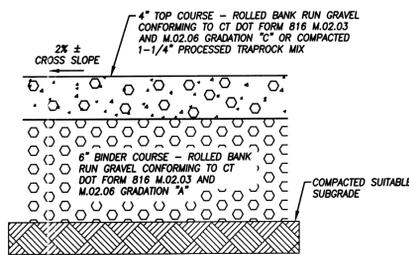
6' HIGH GALVANIZED SWING GATE DETAIL
NOT TO SCALE



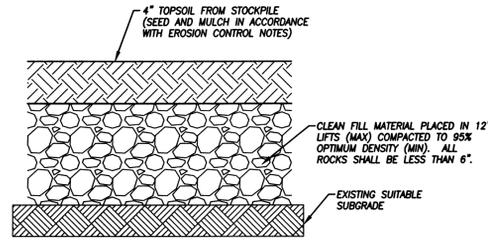
GALVANIZED CHAIN LINK FENCE DETAIL
NOT TO SCALE



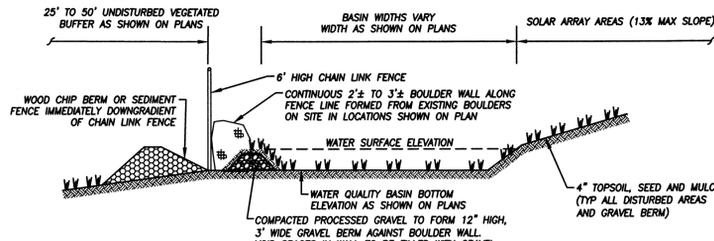
IDENTIFICATION SIGNAGE
NOT TO SCALE



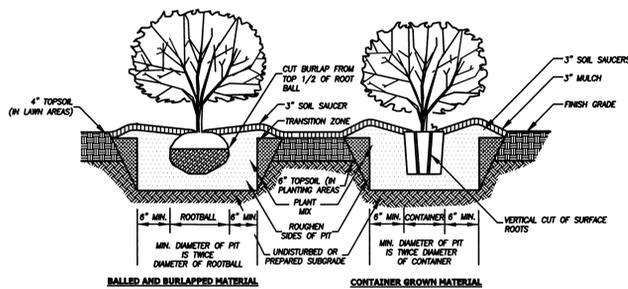
TRAFFIC BOUND GRAVEL SURFACE
NOT TO SCALE



FILL PLACEMENT DETAIL
NOT TO SCALE



WATER QUALITY BASIN DETAIL
NOT TO SCALE

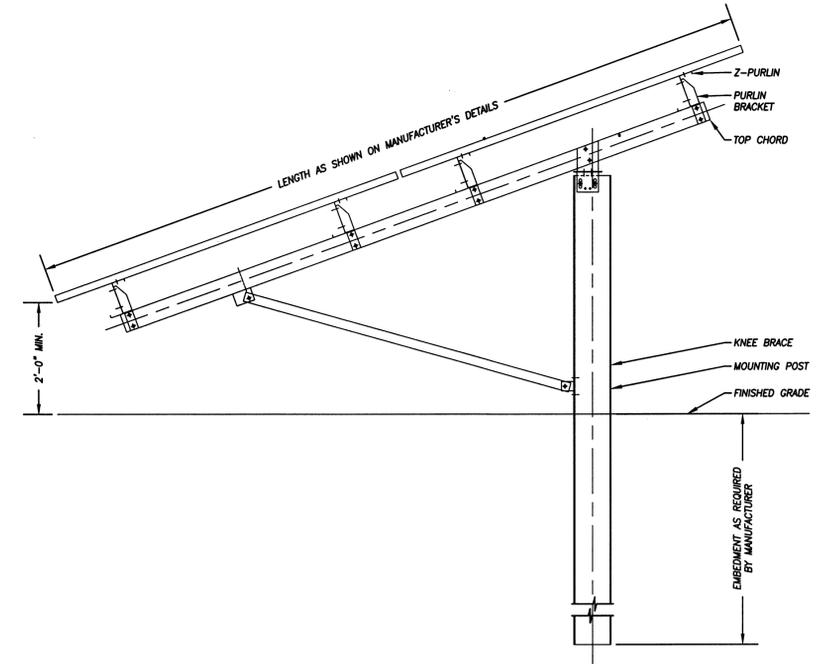


SHRUB PLANTING DETAIL
NOT TO SCALE

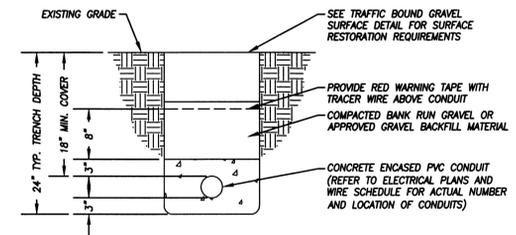
LANDSCAPE SCHEDULE					
SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY	COMMENT
TREES AND SHRUBS					
THOC2	Thuja Occidentalis	"Emerald Green" Arborvitae	5' Height	238	C.G.
TACA7	Taxus Canadensis	Canada Yew	2-3' Height	62	C.G.

Planting Specifications:

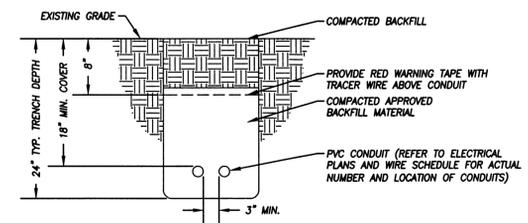
- All materials and construction methods shall conform to the requirements of the Connecticut Association of Landscape Contractors Specification. All plants shall be nursery grown and conform to the latest edition of ANSI 260.1, AMERICAN STANDARD FOR NURSERY STOCK and also the minimum guidelines established for nursery stock published by the American Association of Nurserymen, Inc.
- No substitution of plant materials will be allowed without the prior written consent of the Project Owner. Where a plant size range is provided at least 50% of the plants shall be of the larger size.
- All lawn and planting area soil preparation shall be fertilized and amended according to recommendations of a soil analysis provided by an approved soil testing laboratory.
- All exterior ground areas disturbed by construction and not covered by buildings, structures, paving, continuous planting beds or other site improvements shall be graded, topsoiled to a minimum depth of 4" and grass seeded. Provide lawn development in all areas of selective clearing as directed.
- All plant pits must be free draining. Break up the bottom of the hole by fork if necessary to ensure plant has proper drainage.
- Set all plants in center of plant pits, plumb and straight and as detailed on the drawing. All plant material shall bear the same relationship to finished grade as to original planting grade prior to digging. Trees shall be planted with the junction of roots and stem level with finished grade.
- Handle balled and burlapped plants from the ball only. Once positioned in the hole, remove the top 1/3 of the burlap from the root ball without disturbing the roots.
- Face each plant to give the best appearance. Final location of plant material should be approved by the Project Owner in the field.
- Fill plant pits 2/3 their depth with prepared planting mixture, water thoroughly and allow to settle. Complete back-filling, water thoroughly to eliminate any voids and air pockets. Provide additional back-fill as necessary to conform to required elevation and as detailed.
- Form saucer and install mulch over entire plant pit and saucer area as detailed.
- All tree staking or guying shall be completed immediately after planting, but in no instance more than 24 hours after planting. See staking/guying detail. At the completion of the maintenance period remove all stakes, flags, guys, tree wrap, and anchors.
- Mulch all new shrub beds and plant pits to achieve a 3" depth after settlement. Mulch all ground cover beds to achieve a 2" depth after settlement. Mulch for saucers and planting areas to be a double shredded bark mulch.
- All plants shall be guaranteed for a period of one full year after inspection and acceptance by the Owner's representative, and shall have at least 80% healthy growth at the end of the guarantee period.
- Landscape planting materials as proposed by this plan are Connecticut native and/or non-invasive species. This landscape plan has been designed to incorporate species which are prolific in USDA plant hardiness zone 6b and which require minimal energy input for upkeep and maintenance. References utilized for Connecticut native and non-invasive species selection include the Connecticut Botanical Society, the Connecticut agricultural experiment station, the U.S. Department of Transportation Federal Highway Administration, 2004 Connecticut Stormwater Quality Manual, New England Wetland Plants, Inc., and other sources.



TYPICAL POST MOUNTED RACKING SYSTEM DETAIL
NOT TO SCALE



CONDUIT TRENCH THROUGH GRAVEL DRIVE DETAIL
NOT TO SCALE



NON-TRAFFIC CONDUIT TRENCH DETAIL
NOT TO SCALE