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August 3, 2015

VIA ELECTRONIC MAIL AND HAND-DELIVERY

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

Re: Petition No. 1150-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 3.1 Megawatt Community-Shared Solar Photovoltaic Electric Generating Facility Located on Brush Hill Road in Bozrah, Connecticut -- Development and Management Plan

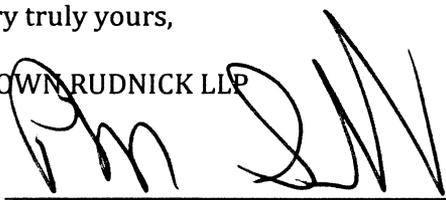
Dear Chairman Stein:

Enclosed are sixteen (16) copies of SolarCity Corporation's Development and Management Plan as required by the Connecticut Siting Council's ruling on Petition No. 1150.

Please contact Thomas J. Regan, Esq. at 860-509-6522, or 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:ct

Enclosures

cc: Julie D. Kohler, Esq.
Mr. William Ballinger

61992688 v1-WorkSiteUS-031819/0001

PETITION NO. 1150 -- SOLARCITY CORPORATION
DEVELOPMENT AND MANAGEMENT PLAN

AUGUST 3, 2015

- a) A final plan of site development to include specifications for the solar panels, supporting infrastructure, electrical equipment, equipment compound, access and maintenance roads, utility connections, and landscaping -- **See attached Exhibit A, Site Development Plan.**
- b) Construction details for site clearing, site phasing, grading, water drainage, and erosion and sedimentation controls consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended -- **See attached Exhibit A, Site Development Plan.**
- c) Incorporation of a Wetland Protection Program as provided in Petition Exhibit 2, Appendix B -- **See attached Exhibit A, Site Development Plan, and notes on Sheet 5.**
- d) Construction work hours and days of work -- **The following work schedule is planned: 7 a.m. to 7 p.m., seven days per week. Please note that the on-site work is expected to take approximately 12 weeks.**
- e) Avoidance of site clearing activities from early May to early August, as described in the Breeding Bird Assessment, dated April 28, 2015 -- **Construction activities will not occur between early May and early August.**
- f) Decommissioning Plan -- **See attached Exhibit B, Decommissioning Plan.**

Decommissioning Plan

Brush Hill Road Solar Project

Bozrah, CT

This Decommissioning Plan establishes the approach to conduct decommissioning activities for the permanent closure of the solar panels and appurtenant equipment (Project or Facility) at the end of the Facility's useful life or the permanent cessation of the Facility's operation, whichever comes first. This Plan also describes the approach for removal and/or abandonment of facilities and equipment associated with the Facility's and describes anticipated land-restoration activities.

As background, the Site License Agreement (SLA) for the Facility site requires that no later than 90 days after its expiration all tangible personal property comprising the Facility must be removed from the site. The SLA also requires that the site be returned to its original condition, excepting ordinary wear and tear, including the removal of mounting pads or other support structures for the solar modules.

DECOMMISSIONING ACTIVITIES

In accordance with the SLA, decommissioning will involve removal and disposal or recycling of all Project components. All recyclable materials will be transported to the appropriate nearby recycling facilities. Any non-recyclable materials will be properly disposed of at a nearby landfill. 95% or greater of the Facility's components will be recyclable.

Decommissioning Preparation

The first step in the decommissioning process will be to prepare the site for decommissioning. Site decommissioning and equipment removal can take up to six months to complete for a project of this size. Therefore, access roads, fencing, and electrical power will temporarily remain in place for use by the decommissioning and site restoration workers until no longer needed. Demolition debris will be placed in temporary on-site storage areas pending final transportation and disposal/recycling according to the procedures listed below.

PV Equipment Removal and Recycling

During decommissioning, all Facility components that will not be used by the site owner will be removed from the site. Equipment removal will include all pad-mounted cabinets, wiring, solar modules, solar module racking, inverters, and panel boards. Concrete ballast tubs that supported the module racking will be removed and any resulting holes will be backfilled with locally imported soil to match existing site soil conditions. The concrete transformer and interconnection equipment pads will be broken up and removed.

The demolition debris and removed equipment may be cut or dismantled into pieces that can be safely lifted or carried with the on-site equipment being used. The majority of glass, steel and aluminum will be processed for transportation and delivery to a licensed off-site recycling center. The solar modules will be transported to and recycled at the nearest facility that will accept them. Minimal non-recyclable materials are anticipated; these will be properly disposed of at the nearest qualified disposal facility.

Internal Power Collection System

The DC and AC power collection system will be dismantled and removed. All conduit and cabling that is removed will be recycled.

Access Roads

The onsite access driveway will remain in place to accomplish decommissioning at the end of the Facility's life. At the time of decommissioning, if the landowner determines that this road will be beneficial for the future use of the site, the access road may remain after decommissioning. The future use of the site is undetermined at this time. Roads that will not be used will be restored to pre-construction conditions by removal of the aggregate base material, fill of the compacted base section with locally imported soil to match existing onsite soils, and hydroseeding with a seed mix to match existing onsite groundcover.

Security Fence

The 6-foot high chain link perimeter security fence will remain in place during decommissioning activities for site safety and security purposes. At the time of decommissioning, if the landowner determines that this fence will be beneficial for the future use of the site, the fence may remain after decommissioning. The future use of the site is undetermined at this time. If the fence will not be used, it will be removed and transported to the nearest recycling facility. Holes left behind by the fence support posts will be backfilled with locally imported soil to match existing onsite soils, and hydroseeded with a seed mix to match existing onsite groundcover.

Landscaping

The double row of screening vegetation along certain areas of the northern and western perimeter of the Site will remain in place during decommissioning activities for site safety and security purposes. At the time of decommissioning, if the landowner determines that this landscaping will be beneficial for the future use of the site, the landscaping may remain. The future use of the site is undetermined at this time. If the landscaping will not be used by the landowner, it will be removed and transported to the nearest plant material disposal facility for composting or mulching. Shrubs, bushes, and trees would be stump cut to just below ground level.

Interconnection Line

The overhead interconnection cabling that connects the Project to the Bozrah Light and Power distribution network will remain in place during decommissioning activities to provide electric service onsite during decommissioning. At the time of decommissioning, if the landowner determines that this electric service line will be beneficial for the future use of the site, the line may remain after decommissioning. If the line is not used, it will be removed per Bozrah Light and Power guidelines and transported offsite to the nearest recycling facility.

SITE RECLAMATION

After the Project is completely decommissioned, and all Projects equipment has been removed from the Site, additional activities will be performed to return the property back to its pre-construction conditions, excepting ordinary wear and tear,

Restoration Process

The decommissioning process will remove Project-related structures and infrastructure as described in the previous sections. Following decommissioning, site reclamation activities will occur. Reclamation will restore landform features, vegetative cover, and hydrologic function after the closure of the facility. The process will involve (where needed) the replacement of topsoil and vegetation, as well as modification of site topography where necessary to bring the Site back to substantially pre-construction conditions compatible with the adjacent surroundings.

Any excavated areas remain after removal of equipment pads or access road base material, will be backfilled and compacted with locally imported soil to match existing onsite soils, and hydroseeded with a seed mix to match existing onsite groundcover. Any other areas of lower than average ground surface level will receive similar treatment.

If any soils are compacted at levels that would affect successful re-vegetation, they will be de-compacted. The method of de-compaction will depend on how compacted the soil has become over the life of the Project. Following de-compaction, re-contouring of the site will be conducted, if necessary, to return the Site to approximately match the pre-construction surface conditions and the surrounding area conditions. Original site drainage characteristics will be restored if they have not been maintained. It is unlikely that a significant amount of earthwork will be required, because the Project construction plan calls for minimal disturbance of the Site during Project construction. Grading activities will be limited to areas as shown on the design plans that require re-contouring. Efforts will be made to disturb as little of the natural drainages and existing natural vegetation that remain post-decommissioning as possible.

Any remaining bare earth areas will be hydroseeded with a seed mix to match existing onsite groundcover. Site restoration activities are anticipated to be limited, because the pre-construction conditions of the site are not planned to be significantly altered during Project construction. Also, any other activities that become necessary, will be performed to return the Site to a pre-construction condition.

Monitoring Activities

The Site will be monitored by SolarCity after site restoration activities are complete to confirm that any earthwork and re-vegetation were performed correctly. The Site will be periodically inspected (at least quarterly) to check for any eroded earthwork or failed vegetation. Any deficiencies will be promptly corrected. This monitoring will continue for a period of one year, or until the Site is re-developed for another future purpose, whichever comes first.

Site Development Plan

Proposed Solar Photovoltaic System Installation

Prepared for
Brightfields Development LLC

Brush Hill Road, Bozrah, Connecticut

Assessor's I.D. 04/006A1

October 2014

Revision "A" - New Panel Layout (GameChange) - 12/19/14

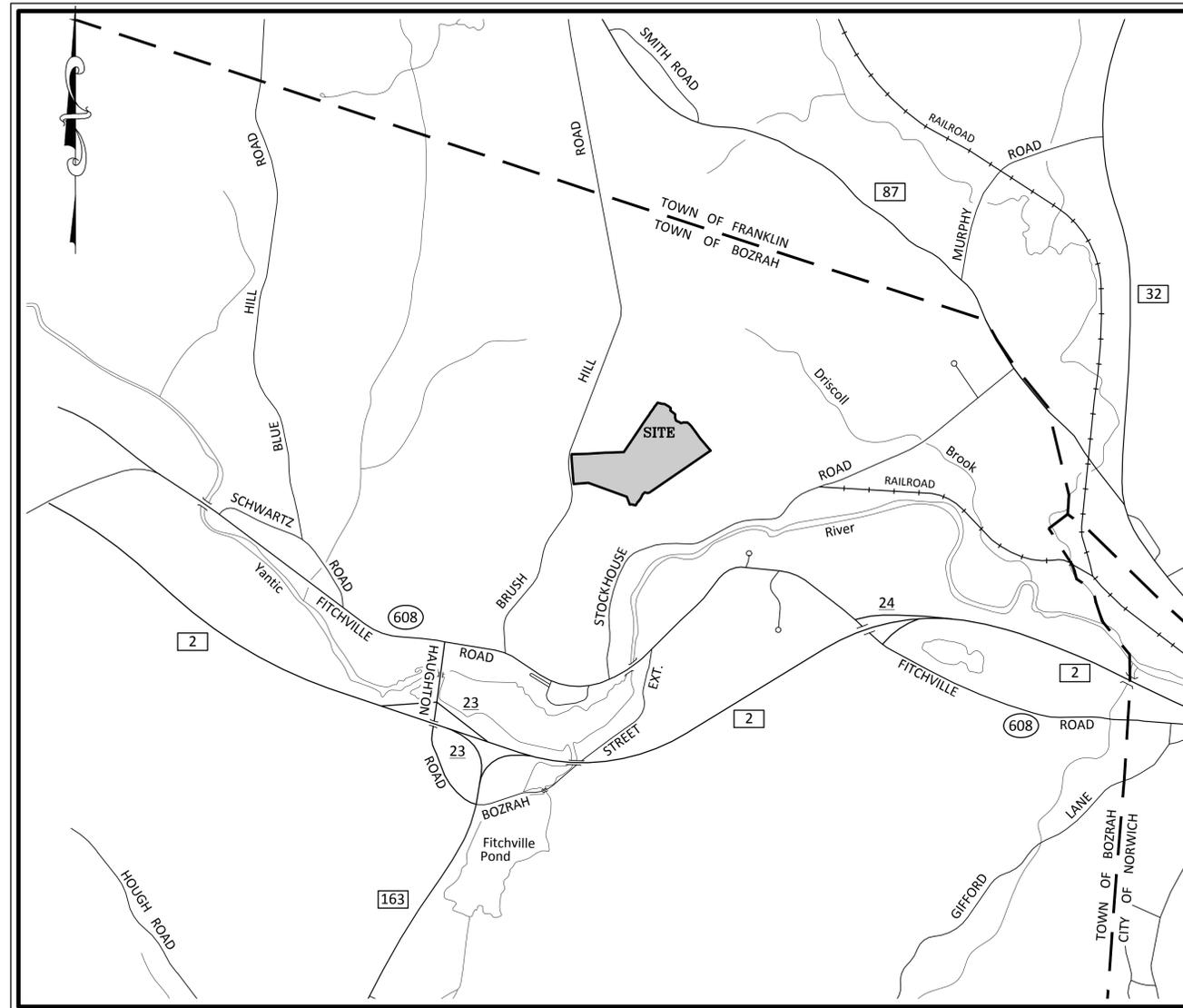
Revision "B" - Per Siting Council Verbal Comments - 5/13/15

Revision "C" - Per BL&P/Town Comments - 5/20/15

Revision "D" - Test Pit Results and Stormwater Modifications - 6/19/15

Revision "E" - Final Electrical Equipment Layout - 7/2/15

Revision "F" - Environmental Notes From All Points Technology - 7/20/15



LOCATION MAP

SCALE: 1"=1,000'

I HAVE CONDUCTED AN ON-SITE SOIL INVESTIGATION OF THE PARCEL OF LAND DEPICTED HEREON. THE INTERMITTENT WATERCOURSES AND INLAND WETLAND BOUNDARIES AS PORTRAYED ARE AN ACCURATE REPRESENTATION OF THE DELINEATION PERFORMED IN THE FIELD.

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

Index to Drawings

Sheet	Title
2	Existing Conditions Plan
3	Grading, Drainage & Erosion Control - West
4	Grading, Drainage & Erosion Control - East
5	Construction Notes & Details
6	Stormwater Management Details
7	Stormwater Management Details

SURVEY NOTES

- THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300B-1 THROUGH 20-300B-20 AND THE "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, 1996. IT IS AN "IMPROVEMENT LOCATION & TOPOGRAPHIC SURVEY". THE BOUNDARY DETERMINATION CATEGORY IS "RESURVEY". THE HORIZONTAL ACCURACY CONFORMS TO CLASS "A-2". THE TOPOGRAPHIC ACCURACY CONFORMS TO CLASS "T-2" WITHIN THE AREA OF DEVELOPMENT AND "T-D" FOR THE REMAINDER OF THE AREA SHOWN.
- NORTH ORIENTATION DEPICTED HEREON IS BASED ON CONNECTICUT GRID (NORTH AMERICAN DATUM OF 1983). ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- ALL SUBTERRANEAN FEATURES AND IMPROVEMENTS MAY NOT BE DEPICTED OR NOTED HEREON.
- THE FIELD SURVEY WAS COMPLETED ON APRIL 12, 2011 AND WAS UPDATED FOR TOPOGRAPHY ON AUGUST 27, 2014. LAND RECORD AND RELATED RESEARCH WAS COMPLETED ON JANUARY 29, 2011 AND UPDATED ON AUGUST 26, 2014.
- RECORD TITLE TO THE SUBJECT PROPERTY IS REFERENCED TO THE FOLLOWING DEEDS:
 A QUIT CLAIM DEED FROM LAWRENCE M. GILMAN TO FAITH CROSS OF HARVARD, MASSACHUSETTS AND MICHAEL A. GOLDBLATT, OF NORWICH, CONNECTICUT, TRUSTEES OF THE LAWRENCE M. GILMAN 1988 TRUST, EXECUTED BY LAWRENCE M. GILMAN AS SETTLOR ON SEPTEMBER 7, 1988, RECORDED JULY 13, 1989, IN TOWN OF BOZRAH LAND RECORDS VOLUME 45, PAGE 724.
 A QUIT CLAIM DEED FROM CHARLES M. GILMAN TO FAITH CROSS AND MICHAEL A. GOLDBLATT, TRUSTEES OF THE LAWRENCE M. GILMAN 1988 TRUST, EXECUTED ON SEPTEMBER 8, 1988 BY LAWRENCE M. GILMAN (HEREINAFTER "RELEASEE"), RECORDED JULY 6, 1989, IN TOWN OF BOZRAH LAND RECORDS VOLUME 45, PAGE 692.
 * FAITH CROSS AND MICHAEL A. GOLDBLATT HAVE RESIGNED AS TRUSTEES OF THE LAWRENCE M. GILMAN 1988 TRUST, NAMING RICHARD L. GILMAN AS SOLE TRUSTEE. SEE LETTERS RECORDED IN TOWN OF BOZRAH LAND RECORDS VOLUME 85, PAGE 766 AND VOLUME 85, PAGE 790.
- DELINEATED INLAND WETLANDS AND WATERCOURSES AS DEPICTED HEREON WERE DERIVED FROM A FIELD DELINEATION PERFORMED BY DEMIAN A. SORRENTINO, C.S.S. ON MAY 8, 2007 AND MAY 9, 2007.

TEST PITS

TEST PITS WERE COMPLETED ON JUNE 11, 2015 AND WERE WITNESSED BY DAVID C. MCKAY, P.E.

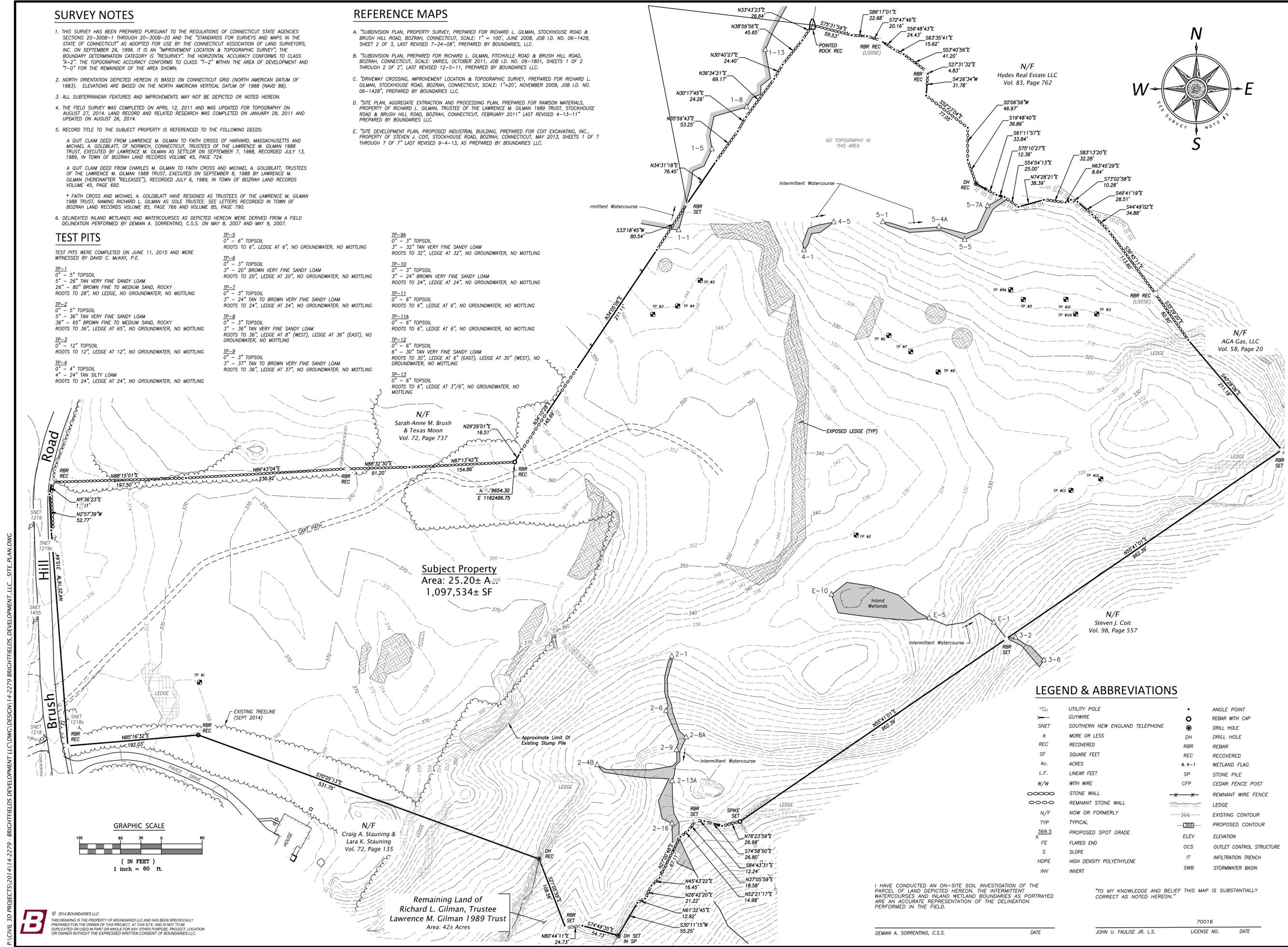
- TP-1**
 0' - 5" TOPSOIL
 5" - 24" TAN VERY FINE SANDY LOAM
 26" - 80" BROWN FINE TO MEDIUM SAND, ROCKY
 ROOTS TO 28", NO LEDGE, NO GROUNDWATER, NO MOTTLING
- TP-2**
 0' - 5" TOPSOIL
 5" - 36" TAN VERY FINE SANDY LOAM
 36" - 65" BROWN FINE TO MEDIUM SAND, ROCKY
 ROOTS TO 36", LEDGE AT 65", NO GROUNDWATER, NO MOTTLING
- TP-3**
 0' - 12" TOPSOIL
 ROOTS TO 12", LEDGE AT 12", NO GROUNDWATER, NO MOTTLING
- TP-4**
 0' - 4" TOPSOIL
 4" - 24" TAN SILTY LOAM
 ROOTS TO 24", LEDGE AT 24", NO GROUNDWATER, NO MOTTLING

- TP-5**
 0' - 6" TOPSOIL
 ROOTS TO 6", LEDGE AT 6", NO GROUNDWATER, NO MOTTLING
- TP-6**
 0' - 3" TOPSOIL
 3" - 20" BROWN VERY FINE SANDY LOAM
 ROOTS TO 20", LEDGE AT 20", NO GROUNDWATER, NO MOTTLING
- TP-7**
 0' - 3" TOPSOIL
 3" - 24" TAN TO BROWN VERY FINE SANDY LOAM
 ROOTS TO 24", LEDGE AT 24", NO GROUNDWATER, NO MOTTLING
- TP-8**
 0' - 3" TOPSOIL
 3" - 36" TAN VERY FINE SANDY LOAM
 ROOTS TO 36", LEDGE AT 8" (WEST), LEDGE AT 36" (EAST), NO GROUNDWATER, NO MOTTLING
- TP-9**
 0' - 3" TOPSOIL
 3" - 37" TAN TO BROWN VERY FINE SANDY LOAM
 ROOTS TO 36", LEDGE AT 37", NO GROUNDWATER, NO MOTTLING

- TP-9A**
 0' - 3" TOPSOIL
 3" - 32" TAN VERY FINE SANDY LOAM
 ROOTS TO 32", NO GROUNDWATER, NO MOTTLING
- TP-10**
 0' - 3" TOPSOIL
 3" - 24" BROWN VERY FINE SANDY LOAM
 ROOTS TO 24", LEDGE AT 24", NO GROUNDWATER, NO MOTTLING
- TP-11**
 0' - 6" TOPSOIL
 ROOTS TO 6", LEDGE AT 6", NO GROUNDWATER, NO MOTTLING
- TP-11A**
 0' - 6" TOPSOIL
 ROOTS TO 6", LEDGE AT 6", NO GROUNDWATER, NO MOTTLING
- TP-12**
 0' - 6" TOPSOIL
 6" - 30" TAN VERY FINE SANDY LOAM
 ROOTS TO 30", LEDGE AT 6" (EAST), LEDGE AT 30" (WEST), NO GROUNDWATER, NO MOTTLING
- TP-13**
 0' - 6" TOPSOIL
 ROOTS TO 6", LEDGE AT 3/6", NO GROUNDWATER, NO MOTTLING

REFERENCE MAPS

- "SUBDIVISION PLAN, PROPERTY SURVEY, PREPARED FOR RICHARD L. GILMAN, STOCKHOUSE ROAD & BRUSH HILL ROAD, BOZRAH, CONNECTICUT, SCALE: 1" = 100', JUNE 2008, JOB I.D. NO. 06-1428, SHEET 2 OF 3, LAST REVISED 7-24-08", PREPARED BY BOUNDARIES, LLC.
- "SUBDIVISION PLAN, PREPARED FOR RICHARD L. GILMAN, FITCHVILLE ROAD & BRUSH HILL ROAD, BOZRAH, CONNECTICUT, SCALE: VARIES, OCTOBER 2011, JOB I.D. NO. 09-1801, SHEETS 1 OF 2 THROUGH 2 OF 2", LAST REVISED 12-5-11, PREPARED BY BOUNDARIES, LLC.
- "DRIVEWAY CROSSING, IMPROVEMENT LOCATION & TOPOGRAPHIC SURVEY, PREPARED FOR RICHARD L. GILMAN, STOCKHOUSE ROAD, BOZRAH, CONNECTICUT, SCALE: 1"=20', NOVEMBER 2009, JOB I.D. NO. 06-1428", PREPARED BY BOUNDARIES, LLC.
- "SITE PLAN, AGGREGATE EXTRACTION AND PROCESSING PLAN, PREPARED FOR RAWSON MATERIALS, PROPERTY OF RICHARD L. GILMAN, TRUSTEE OF THE LAWRENCE M. GILMAN 1988 TRUST, STOCKHOUSE ROAD & BRUSH HILL ROAD, BOZRAH, CONNECTICUT, FEBRUARY 2011" LAST REVISED 4-13-11" PREPARED BY BOUNDARIES, LLC.
- "SITE DEVELOPMENT PLAN, PROPOSED INDUSTRIAL BUILDING, PREPARED FOR COIT EXCAVATING, INC., PROPERTY OF STEVEN J. COIT, STOCKHOUSE ROAD, BOZRAH, CONNECTICUT, MAY 2013, SHEETS 1 OF 7 THROUGH 7 OF 7" LAST REVISED 9-4-13, AS PREPARED BY BOUNDARIES, LLC.



LEGEND & ABBREVIATIONS

○	UTILITY POLE	•	ANGLE POINT
—	GUYWIRE	○	REBAR WITH CAP
SNET	SOUTHERN NEW ENGLAND TELEPHONE	⊙	DRILL HOLE
±	MORE OR LESS	DH	DRILL HOLE
REC	RECOVERED	RBR	REBAR
SF	SQUARE FEET	REC	RECOVERED
Ac.	ACRES	△ 4-1	WETLAND FLAG
L.F.	LINEAR FEET	SP	STONE PILE
W/W	WITH WIRE	CFP	CEDAR FENCE POST
○	STONE WALL	—	REMNANT WIRE FENCE
○	REMNANT STONE WALL	—	LEDGE
N/F	NOW OR FORMERLY	---	EXISTING CONTOUR
TYP	TYPICAL	---	PROPOSED CONTOUR
369.5	PROPOSED SPOT GRADE	ELEV	ELEVATION
X	FLARED END	OCs	OUTLET CONTROL STRUCTURE
S	SLOPE	IT	INFILTRATION TRENCH
HDPE	HIGH DENSITY POLYETHYLENE	SWB	STORMWATER BASIN
INV	INVERT		

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

DEMIAN A. SORRENTINO, C.S.S. DATE: JOHN U. FAULISE JR., L.S. LICENSE NO. DATE

P:\CIVIL 3D PROJECTS\2014\14-2279 - BRIGHTFIELDS DEVELOPMENT LLC\DWG\DESIGN\14-2279 BRIGHTFIELDS DEVELOPMENT LLC - SITE PLAN.DWG

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BOUNDARIES
 CIVIL ENGINEERING LAND SURVEYING LAND USE PLANNING CONSULTING
 Boundaries, LLC
 179 Pachaug River Drive, Griswold, CT 06331
 T 860.376.2006 | www.boundariesllc.net

Improvement Location & Topographic Survey
 "Existing Conditions Plan"
 Prepared for
 Brightfields Development LLC
 Brush Hill Road, Bozrah, Connecticut



SCALE: 1" = 60'

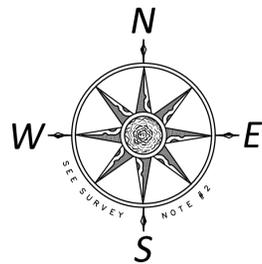
DATE: October 2014

JOB I.D. NO. 14-2279

Revisions

Rev. A - New panel layout (GameChange) - 12/19/14
 Rev. B - Per Siting Council Verbal Comments - 5/13/15
 Rev. C - Per BL&P/Town Comments - 5/20/15
 Rev. D - Test Pit Results and SW Modifications - 6/19/15
 Rev. E - Final Electrical Equipment Layout - 7/2/15
 Rev. F - Environmental Notes from All Points Technology - 7/20/15

SHEET NO.
 2
 70016
 LICENSE NO. DATE



LEGEND & ABBREVIATIONS

○	UTILITY POLE	•	ANGLE POINT
—	GUYWIRE	○	REBAR WITH CAP
SNET	SOUTHERN NEW ENGLAND TELEPHONE	⊙	DRILL HOLE
±	MORE OR LESS	DH	DRILL HOLE
REC	RECOVERED	RBR	REBAR
SF	SQUARE FEET	REC	RECOVERED
Ac.	ACRES	Δ 4-1	WETLAND FLAG
L.F.	LINEAR FEET	SP	STONE PILE
W/W	WITH WIRE	CFP	CEDAR FENCE POST
—	STONE WALL	— X —	REMNANT WIRE FENCE
—	REMNANT STONE WALL	—	PROPOSED OVERHEAD ELECTRIC
N/F	NOW OR FORMERLY	—	PROPOSED UNDERGROUND ELECTRIC
TYP	TYPICAL	—	LEDGE
369.5	PROPOSED SPOT GRADE	---	EXISTING CONTOUR
FE	FLARED END	---	PROPOSED CONTOUR
S	SLOPE	—	ELEVATION
HDPE	HIGH DENSITY POLYETHYLENE	OCS	OUTLET CONTROL STRUCTURE
INV	INVERT	IT	INFILTRATION TRENCH
—	PROPOSED SEDIMENT FENCE	SWB	STORMWATER BASIN
—	PROPOSED WOOD CHIP BERM		

DRAINAGE TABLE

CULVERT #1	CULVERT #2	CULVERT #3
FE Ø INLET INV 367.50	FE Ø INLET INV 367.50	FE Ø INLET INV 350.50
30'-12" HDPE S = 0.01	30'-12" HDPE S = 0.01	41'-15" HDPE S = 0.10
FE Ø OUTLET INV 367.20	FE Ø OUTLET INV 367.20	FE Ø OUTLET INV 346.33

NOTE: FOR RIP RAP SIZING AND APRON DIMENSIONS, SEE RIP RAP APRON DETAIL.

STORMWATER BASIN #1

BOTTOM WIDTH = 15'
BOTTOM LENGTH = 145'
BOTTOM OF BASIN - ELEV 366.00
3:1 GRASS SIDE SLOPES
EMERGENCY SPILLWAY ELEV 368.60

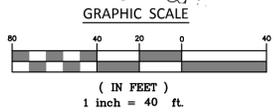
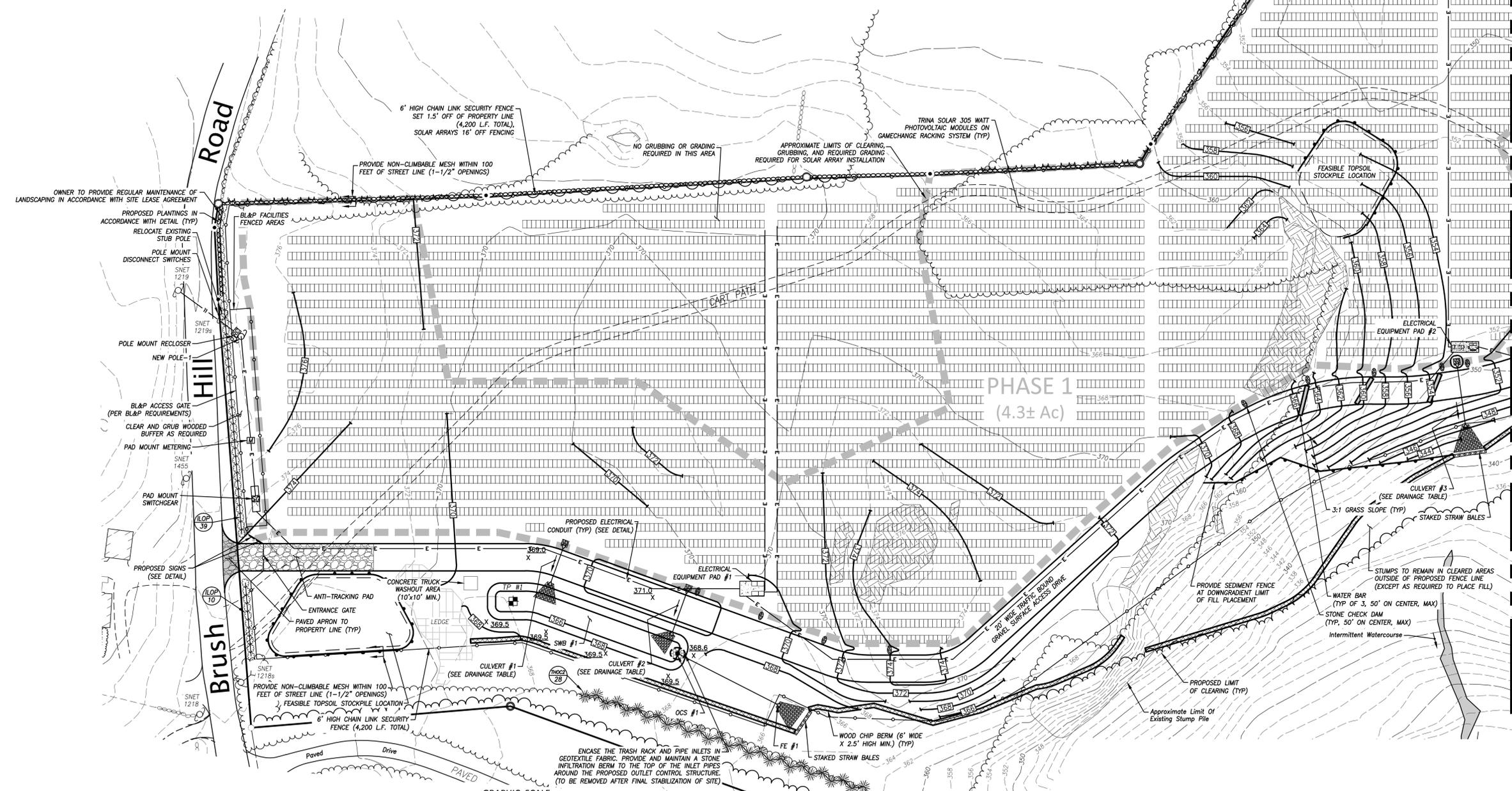
RETENTION AREA #1

BOTTOM AREA = 1,181 SF
BOTTOM OF BASIN - ELEV 343.0±
3:1 GRASS SIDE SLOPES
CURTAIN DRAIN INVERT - 343.0± (S = 0.005)
TOP OF BERM - ELEV 344.5
MODIFIED RIPRAP SPILLWAY - ELEV 344.1, 15' WIDE

OUTLET CONTROL STRUCTURE #1

(CATCH BASIN WITH ORIFICES IN OUTER WALL)
TF 368.25
ELEVATION
INV 366.20 - 6" Ø ORIFICE IN
INV 367.00 - 6" Ø ORIFICE IN
INV 366.00 - 15" OUT
80'-15" HDPE, S = 0.005

FE #1
INV 365.60



29102

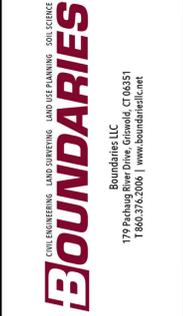
DAVID C. MCKAY P.E. LICENSE NO. DATE

70016

JOHN U. FAULISE JR. L.S. LICENSE NO. DATE

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

Match Line - See Sheet 4 of 7



Improvement Location & Topographic Survey
"Grading, Drainage & Erosion Control - West"
Prepared for
Brightfields Development LLC
Brush Hill Road, Bozrah, Connecticut



SCALE: 1" = 40'

DATE: October 2014

JOB I.D. NO. 14-2279

Revisions

- Rev. A - New panel layout (GameChange) - 12/19/14
- Rev. B - Per Siting Council Verbal Comments - 5/13/15
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SHEET NO.

3

7

P:\CIVIL 3D PROJECTS\2014\14-2279 - BRIGHTFIELDS DEVELOPMENT LLC\DWG\DESIGN\14-2279 BRIGHTFIELDS DEVELOPMENT LLC SITE PLAN.DWG

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DRAINAGE TABLE

CULVERT #4

FE @ INLET
INV 339.60
32"-12" HDPE
S = 0.03
FE @ OUTLET
INV 338.64

NOTE: FOR RIP RAP SIZING AND APRON DIMENSIONS,
SEE RIP RAP APRON DETAIL.

STORMWATER BASIN #2

BOTTOM WIDTH = 20'
BOTTOM LENGTH = 50'
BOTTOM OF BASIN - ELEV 332.50
3:1 GRASS SIDE SLOPES
EMERGENCY SPILLWAY ELEV 335.00

OUTLET CONTROL STRUCTURE #2

(CATCH BASIN WITH ORIFICES IN OUTER WALL)
TF 335.00
INV 333.00 - 6" Ø ORIFICE IN
INV 334.00 - 6" Ø ORIFICE IN
INV 332.75 - 12" OUT

35'-12" HDPE, S = 0.005

FE #2

332.57

RETENTION AREA #2

BOTTOM AREA = 480 SF
BOTTOM OF BASIN - ELEV 324.0±
3:1 GRASS SIDE SLOPES
CURTAIN DRAIN INVERT - 324.0± (S = 0.005)
TOP OF BERM - ELEV 326.5
MODIFIED RIPRAP SPILLWAY - ELEV 326.1, 10' WIDE

RETENTION AREA #3

BOTTOM AREA = 713 SF
BOTTOM OF BASIN - ELEV 314.0±
3:1 GRASS SIDE SLOPES
CURTAIN DRAIN INVERT - 314.0± (S = 0.005)
TOP OF BERM - ELEV 316.5
MODIFIED RIPRAP SPILLWAY - ELEV 316.1, 10' WIDE

RETENTION AREA #4

BOTTOM AREA = 203 SF
BOTTOM OF BASIN - ELEV 325.0±
3:1 GRASS SIDE SLOPES
CURTAIN DRAIN INVERT - 325.0± (S = 0.005)
TOP OF BERM - ELEV 326.5
MODIFIED RIPRAP SPILLWAY - ELEV 326.1, 10' WIDE

LEGEND & ABBREVIATIONS

○	UTILITY POLE	●	ANGLE POINT
—	GUYWIRE	○	REBAR WITH CAP
—	SMET	⊙	DRILL HOLE
±	MORE OR LESS	⊙	DRILL HOLE
REC	RECOVERED	RBR	REBAR
SF	SQUARE FEET	REC	RECOVERED
Ac.	ACRES	△ 4'-1	REC WETLAND FLAG
L.F.	LINEAR FEET	SP	STONE PILE
W/W	WITH WIRE	CFP	CEDAR FENCE POST
○—○	STONE WALL	— X —	REMNANT WIRE FENCE
○—○	REMNANT STONE WALL	—	LEDGE
N/F	NOW OR FORMERLY	---	EXISTING CONTOUR
TYP	TYPICAL	---	PROPOSED CONTOUR
X	PROPOSED SPOT GRADE	ELEV	ELEVATION
FE	FLORED END	OCS	OUTLET CONTROL STRUCTURE
S	INFILTRATION TRENCH	IT	INFILTRATION TRENCH
HDPE	HIGH DENSITY POLYETHYLENE	SWB	STORMWATER BASIN
INV	INVERT	—	PROPOSED SEDIMENT FENCE
		—	PROPOSED WOOD CHIP BERM

GENERAL NOTES

1. THE SITE IS LOCATED WITHIN AN I-80 (INDUSTRIAL) ZONE IN THE TOWN OF BOZRAH.
2. THIS SITE IS NOT LOCATED WITHIN 500' OF ANOTHER MUNICIPALITY.
3. THIS SITE IS NOT LOCATED IN A FLOOD HAZARD AREA AS TAKEN FROM THE LATEST FLOOD INSURANCE RATE MAP, TOWN OF BOZRAH, CONNECTICUT, NEW LONDON COUNTY, PANEL 183 AND 184 OF 554, COMMUNITY PANEL 09011C0183G AND 09011C0184G, EFFECTIVE DATE JULY 18, 2011 BY THE FLOOD EMERGENCY MANAGEMENT AGENCY (FEMA).
4. PROPERTY OWNER: RICHARD L. GILMAN, TRUSTEE, LAWRENCE M. GILMAN 1989 TRUST
APPLICANT: BRIGHTFIELDS DEVELOPMENT, LLC.
5. ALL EXISTING UTILITIES ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND ELEVATIONS PRIOR TO ANY CONSTRUCTION. CONTRACTOR SHALL CONTACT "CALL-BEFORE-YOU-DIG" AT 1-800-922-4455 AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION. COORDINATE ALL CONNECTIONS WITH THE GOVERNING UTILITY.
6. THIS PROPOSAL INVOLVES THE INSTALLATION OF AN 11.5± ACRE SOLAR FARM ON A 25.2± ACRE PROPERTY LOCATED IN AN I-80 (INDUSTRIAL ZONE) IN THE TOWN OF BOZRAH.
7. ALL DISTURBED AREAS OUTSIDE OF THE UTILITY PADS AND ACCESS AREAS/DRIVE SHALL BE STABILIZED AS SOON AS POSSIBLE WITH 4" (MINIMUM) OF TOPSOIL, SEEDED WITH GRASS AND MULCHED.
8. THIS PROPOSED PROJECT IS SUBJECT TO REGISTRATION FOR A CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER FROM AN INDUSTRIAL ACTIVITY.

NARRATIVE

THIS PROPOSAL INVOLVES THE INSTALLATION OF AN 11.5± ACRE SOLAR FARM ON A 25.2± ACRE PROPERTY LOCATED IN AN I-80 (INDUSTRIAL ZONE) IN THE TOWN OF BOZRAH. THE PROJECT WILL BE CONSTRUCTED IN 1 PHASE.

THE SITE HAS ROAD FRONTAGE ON BRUSH HILL ROAD TO THE WEST AND IS BORDERED BY A RESIDENTIAL HOUSE (ZONED INDUSTRIAL PROPERTY) TO THE SOUTHWEST. AN INDUSTRIAL DEVELOPMENT IS UNDER CONSTRUCTION ON PROPERTY TO THE SOUTHEAST. THE ADJUTING PROPERTIES TO THE EAST ARE WOODED ADJACENT TO THE PROPERTY LINE AND ONE IS DEVELOPED AS AN INDUSTRIAL USE ON STOCKHOUSE ROAD. THE PROPERTY TO THE NORTH IS USED FOR AGRICULTURAL PURPOSES.

THE MAJORITY OF THE SITE IS WOODED ALTHOUGH THERE IS A 5.8± ACRE FIELD IN THE AREA ABUTTING BRUSH HILL ROAD THAT WAS ONCE CLEARED BUT HAS SINCE BECOME OVERGROWN. THE SITE TOPOGRAPHY IN THIS CLEARED AREA VARIES 1% TO 8% AND GENERALLY SLOPES DOWN TO THE SOUTH. THE REST OF THE SITE TOPOGRAPHY VARIES CONSIDERABLY THROUGHOUT THE SITE FROM 3% TO 50% AND SLOPES DOWN TO THE NORTHEAST, NORTH AND SOUTHWEST. THE SITE ELEVATIONS CHANGE SIGNIFICANTLY FROM THE WESTERLY PORTION AT THE FRONTAGE ON BRUSH HILL ROAD (ELEVATION 374±) TO THE EASTERN PROPERTY BOUNDARY (ELEVATION 290±). THE DEVELOPMENT AREA WILL INCLUDE ONLY AREAS WHERE MODERATE SLOPES EXIST (1-8%) AND WHERE REGRADING CAN BE GENERALLY ACCOMPLISHED WITHOUT CUTS AND FILLS EXCEEDING 4".

ACCORDING TO THE NATURAL RESOURCES CONSERVATION SERVICE (NRCS) WEB SOIL SURVEY, THE SOILS LOCATED IN THE AREAS OF THE PROPOSED SOLAR ARRAY AREAS CONSIST MOSTLY OF HOLLIS-CHAFFIELD-ROCK OUTCROP COMPLEX, 3 TO 15% SLOPES; CHARLTON CHAFFIELD COMPLEX, 3 TO 15% SLOPES, VERY ROCKY, AND SUTTON FINE SANDY LOAM, 2 TO 15% SLOPES, EXTREMELY STONY. THERE ARE ROCK/LEDGE OUTCROPS VISIBLE THROUGHOUT THE PROPOSED DEVELOPMENT AREA.

THERE ARE AREAS OF REGULATED INLAND WETLANDS AND WATERCOURSES ON THE PROPERTY AS DELINEATED BY DEMAN SORRENTINO, A CERTIFIED SOIL SCIENTIST. THERE IS NO PROPOSED FILLING OR DISTURBANCE OF ANY INLAND WETLANDS OR WATERCOURSES WITH THIS PROPOSAL.

THE PROPOSAL INVOLVES THE INSTALLATION OF SOLAR FARM ENCOMPASSING 11.5± ACRES WITH ELECTRICAL UTILITY PADS, A 20' WIDE, 1,480±' LONG TRAFFIC BOUND GRAVEL SURFACE ACCESS DRIVE, INSTALLATION OF A 6" HIGH CHAIN LINK SECURITY FENCE SURROUNDING THE ENTIRE PERIMETER OF THE SOLAR ARRAYS AND ASSOCIATED EQUIPMENT AND IMPROVEMENTS. INSTALLATION OF THE SOLAR ARRAYS WILL CONSIST OF CLEARING AND REMOVING ALL VEGETATION WITHIN THE PROPOSED CLEARING LIMITS, GRUBBING AND DISPOSING OF STUMPS OFF SITE, REGRADING THE ARRAY AREAS TO A MAXIMUM OF 7% SLOPE AND ASSOCIATED SIDE SLOPES NOT GREATER THAN 3:1. IMPORTING FILL MATERIAL AS REQUIRED TO ACCOMPLISH REGRADING, PLACING AND COMPACTING FILL AS REQUIRED, INSTALLING STORMWATER MANAGEMENT SYSTEMS, PLACING PROPOSED CAST-IN-PLACE CONCRETE RACKING SYSTEM, INSTALLING AND ANCHORING THE 6.4± X 3.25± SOLAR ARRAY PANELS TO THE RACKING SYSTEM, AND INSTALLING THE NECESSARY ELECTRICAL EQUIPMENT FOR HARVESTING POWER. NO BUILDINGS WILL BE CONSTRUCTED WITH THIS PROPOSAL AND THEREFORE NO WATER OR SEWER SERVICE IS NEEDED.

DRILLING AND BLASTING IS NOT ANTICIPATED AND WILL BE AVOIDED AS MUCH AS POSSIBLE FOR THIS PROJECT. IF BLASTING IS REQUIRED A PRE-BLAST SURVEY SHALL BE COMPLETED. BLASTING SHALL BE COMPLETED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.

ALL PROPOSED EARTH SLOPES SHALL NOT EXCEED 3:1 HORIZONTAL TO VERTICAL. TOPSOIL WILL BE STOCKPILED ON SITE FOR REUSE IN CONJUNCTION WITH FINAL GRADING AND STABILIZATION. A MINIMUM OF 4" OF TOPSOIL WILL BE SPREAD OVER FINAL SLOPE AREAS AFTER REGRADING IS COMPLETED. THIS TOPSOIL WILL THEN BE SEEDED WITH GRASS AND MULCHED.

AN ANTI-TRACKING PAD, WOOD CHIP BERM, SEDIMENT FENCE AND STAKED HAY BALES WILL BE INSTALLED AT LOCATIONS SHOWN PRIOR TO ANY EARTHWORK OPERATIONS. THESE MEASURES WILL BE MAINTAINED UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. STONE CHECK DAMS WILL BE USED IN SWALE AREAS TO PREVENT EROSION AND SEDIMENTATION.

ANY STUMPS GRUBBED IN AREAS TO BE CLEARED SHALL BE DISPOSED OF OFF SITE. NO STUMPS OR OTHER WASTE MATERIALS SHALL BE ALLOWED TO BE BURIED ON SITE.

CONSTRUCTION SEQUENCE

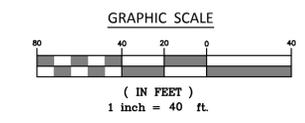
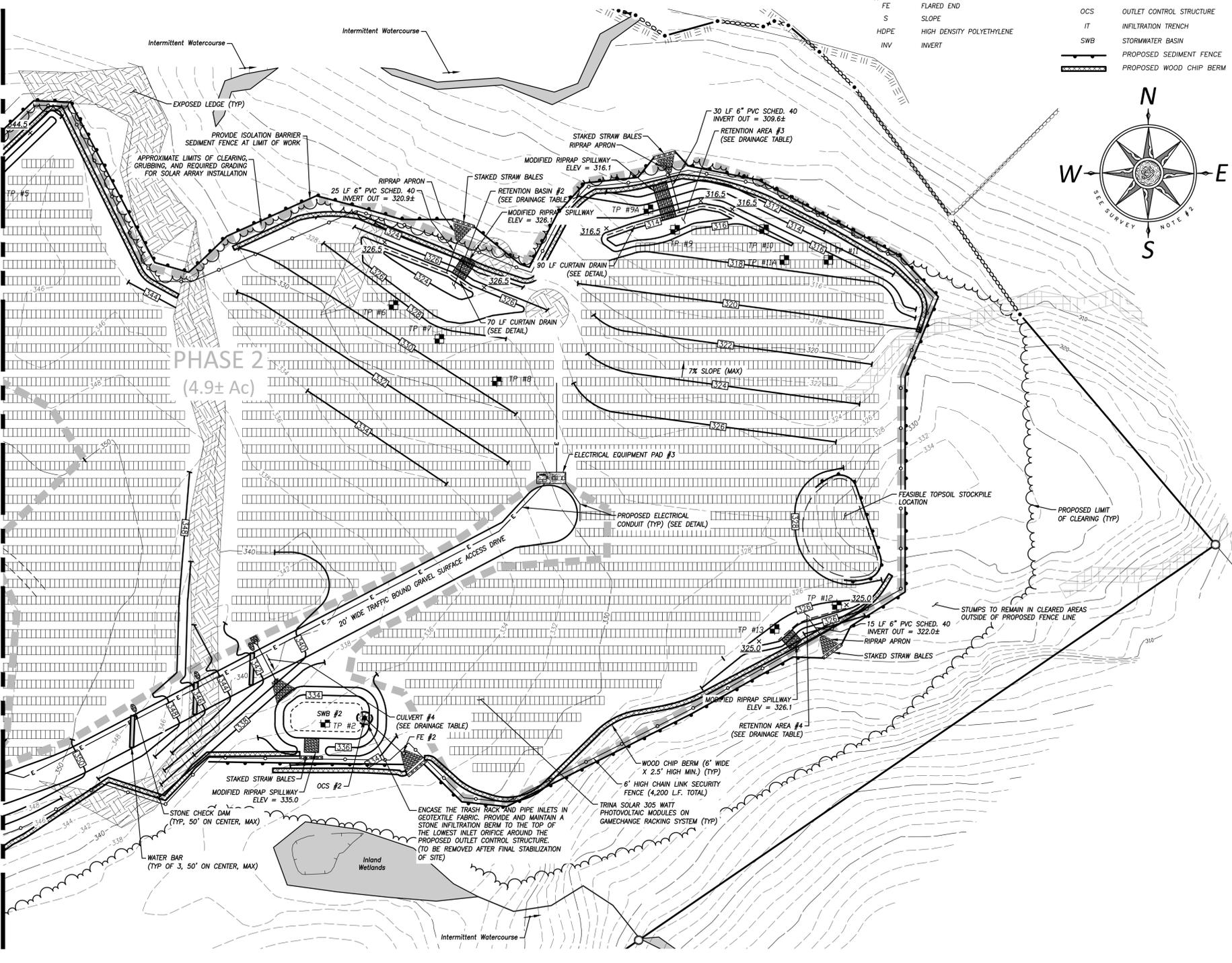
1. SECURE ALL NECESSARY LOCAL, STATE, AND FEDERAL PERMITS. REGISTER FOR ALL APPLICABLE STATE AND FEDERAL PERMITS AS REQUIRED.
2. REVIEW ENVIRONMENTAL NOTES (SEE SHEET 5) FOR REQUIRED SEASONAL RESTRICTIONS AND PROTECTIVE MEASURES PRIOR TO PERFORMING ANY CONSTRUCTION ACTIVITIES.
3. INSTALL ANTI-TRACKING PAD AT CONSTRUCTION ENTRANCE FROM BRUSH HILL ROAD.
4. CLEAR AND REMOVE ALL TREES WITHIN THE PROPOSED CLEARING LIMITS. CHIP TREES FOR USE AS WOOD CHIP BERMS FOR EROSION CONTROL.
5. INSTALL WOOD CHIP BERMS AND OTHER EROSION CONTROL MEASURES AS SHOWN DOWN GRADIENT OF PROPOSED DEVELOPMENT AREA.
6. INSTALL CHAIN LINK SECURITY FENCE ALONG ENTIRE PERIMETER OF SOLAR FARM AND ACCESS ROAD.
7. GRUB STUMPS AND STRIP TOPSOIL ONLY AS REQUIRED TO INSTALL PROPOSED ACCESS DRIVE AND STORMWATER BASINS/TEMPORARY SEDIMENT TRAPS. STOCKPILE ALL TOPSOIL AT THE LOCATIONS INDICATED OR OTHER APPROVED LOCATION. SEE THESE STOCKPILES WITH RYEGRASS AND SURROUND WITH SEDIMENT FENCE OR WOOD CHIP BERM. ALL STUMPS ARE TO BE GROUND OR DISPOSED OF OFF-SITE. (MAXIMUM SOIL DISTURBANCE = 2.3 +/- ACRES)
7.1. INSTALL STORMWATER BASINS/TEMPORARY SEDIMENT TRAPS, OUTLET CONTROL STRUCTURES, OUTLET PIPES, AND RIPRAP APRONS.
7.2. RUGH GRADE (CUT AND FILL AS REQUIRED) ACCESS DRIVE. PLACE AND COMPACT DRIVEWAY BASE. INSTALL DRAINAGE/CROSS CULVERTS AS REQUIRED 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/HYDROSEED AND MULCH. INSTALL STONE CHECK DAMS IN SWALE AREAS AT 50' ON CENTER (MAXIMUM SPACING).
8. GRUB STUMPS AND STRIP TOPSOIL AS REQUIRED FOR PROPOSED GRADING (PHASE 1) OF SOLAR ARRAY AREA. STOCKPILE ALL TOPSOIL AT THE LOCATIONS INDICATED OR OTHER APPROVED LOCATION. SEE THESE STOCKPILES WITH RYEGRASS AND SURROUND WITH SEDIMENT FENCE OR WOOD CHIP BERM. ALL STUMPS ARE TO BE GROUND OR DISPOSED OF OFF-SITE. (MAXIMUM SOIL DISTURBANCE = 4.3 +/- ACRES)
8.1. CONSTRUCT STORMWATER RETENTION AREAS AND OUTLETS. GRADE PHASE 1 AREA PER PLAN WITH MAXIMUM SLOPES NOT TO EXCEED 7% AND ASSOCIATED SIDE SLOPES NOT GREATER THAN 3:1. IMPORT, PLACE AND COMPACT SUITABLE CLEAN FILL MATERIAL AS REQUIRED TO ACCOMPLISH GRADING FOR SOLAR ARRAY AREAS.
8.2. PLACE TOPSOIL ON ALL DISTURBED PHASE 1 AREAS (4" MINIMUM), SEED WITH GRASS AND MULCH.
9. GRUB STUMPS AND STRIP TOPSOIL AS REQUIRED FOR PROPOSED GRADING (PHASE 2) OF SOLAR ARRAY AREA. STOCKPILE ALL TOPSOIL AT THE LOCATIONS INDICATED OR OTHER APPROVED LOCATION. SEE THESE STOCKPILES WITH RYEGRASS AND SURROUND WITH SEDIMENT FENCE OR WOOD CHIP BERM. ALL STUMPS ARE TO BE GROUND OR DISPOSED OF OFF-SITE. (MAXIMUM SOIL DISTURBANCE = 4.9 +/- ACRES)
9.1. CONSTRUCT STORMWATER RETENTION AREAS AND OUTLETS. GRADE PHASE 2 AREA PER PLAN WITH MAXIMUM SLOPES NOT TO EXCEED 7% AND ASSOCIATED SIDE SLOPES NOT GREATER THAN 3:1. IMPORT, PLACE AND COMPACT SUITABLE CLEAN FILL MATERIAL AS REQUIRED TO ACCOMPLISH GRADING FOR SOLAR ARRAY AREAS.
9.2. PLACE TOPSOIL ON ALL PHASE 2 DISTURBED AREAS (4" MINIMUM), SEED WITH GRASS AND MULCH.
10. INSTALL PROPOSED RACKING SYSTEM, CONNECT AND ANCHOR THE SOLAR PANELS TO THE RACKS. INSTALL CONDUIT, CONCRETE UTILITY PADS AND ELECTRICAL EQUIPMENT AS REQUIRED FOR HARVESTING POWER.
11. AFTER ALL AREAS HAVE BEEN PERMANENTLY STABILIZED, REMOVE EROSION CONTROL MEASURES. IF FINAL SEEDING CANNOT BE ACCOMPLISHED DURING THE APPROPRIATE PHASE AS NOTED ABOVE DUE TO TIME OF YEAR, DISTURBED AREAS SHALL BE MULCHED FOR WINTER STABILIZATION AND SEEDED AND MULCHED DURING THE GROWING SEASON OF SPRING 2016.

SCALE:	1" = 40'
DATE:	October 2014
JOB I.D. NO.:	14-2279
Revisions	
Rev. A -	New panel layout (GameChange) - 12/15/14
Rev. B -	Per Siting Council Verbal Comments - 5/13/15
Rev. C -	Per BL&P/Town Comments - 5/20/15
Rev. D -	Test Pit Results and SW Modifications - 6/19/15
Rev. E -	Final Electrical Equipment Layout - 7/2/15
Rev. F -	Environmental Notes from All Points Technology - 7/20/15

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

DAVID C. MCKAY P.E. LICENSE NO. DATE
JOHN U. FAULSE JR. L.S. LICENSE NO. DATE

Match Line - See Sheet 3 of 7

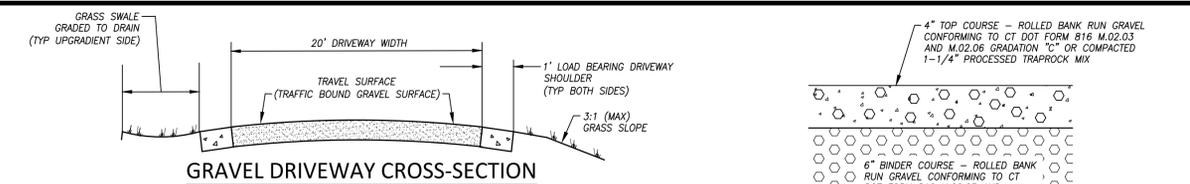


BOUNDARIES
BOUNDARIES LLC
179 Pachaug River Drive, Cromwell, CT 06351
1.860.376.2008 | www.boundariesllc.net

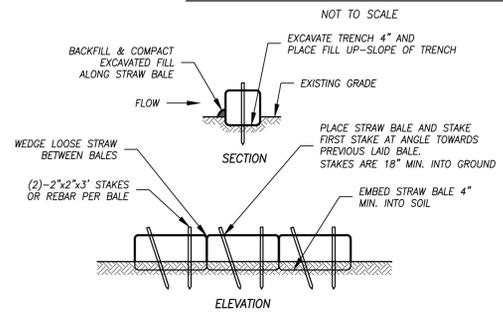
Improvement Location & Topographic Survey
"Grading, Drainage & Erosion Control - East"
Prepared for
Brightfields Development LLC
Brush Hill Road, Bozrah, Connecticut

SHEET NO.
4
7

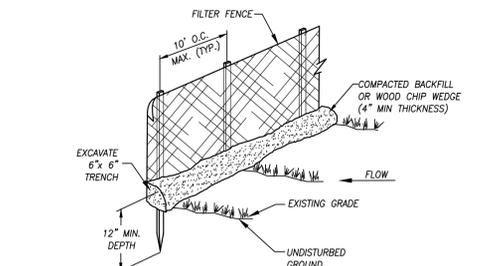
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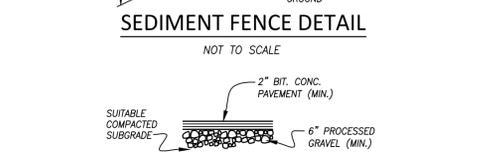
GRAVEL DRIVEWAY CROSS-SECTION



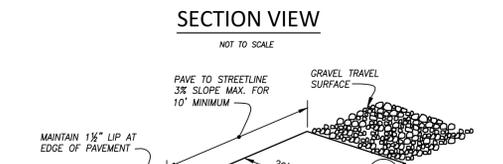
STRAW BALE BARRIER DETAIL



WATER BAR DETAIL



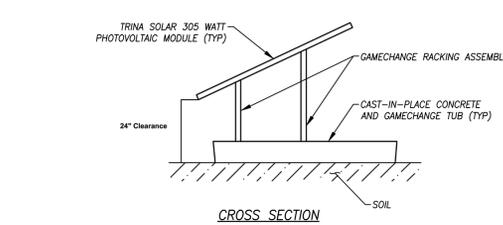
SEDIMENT FENCE DETAIL



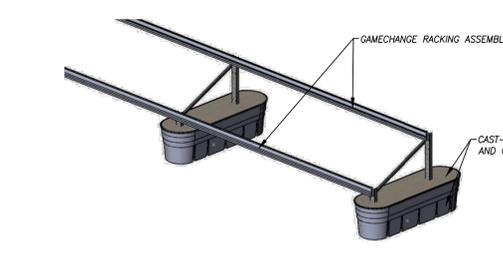
SECTION VIEW



TYPICAL DRIVEWAY APRON

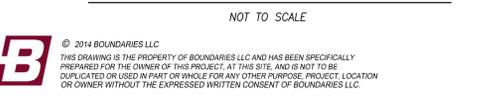


CROSS SECTION

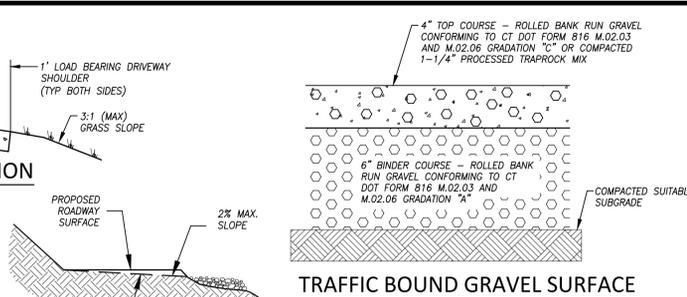


RENDERING

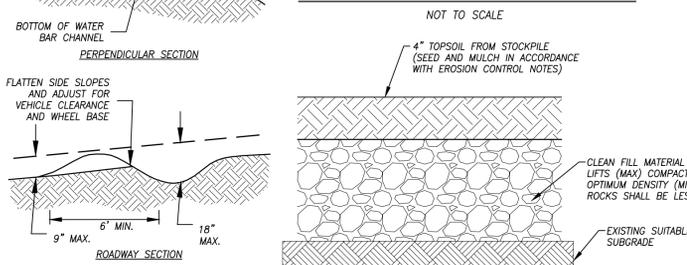
SOLAR ARRAY AND RACKING SYSTEM



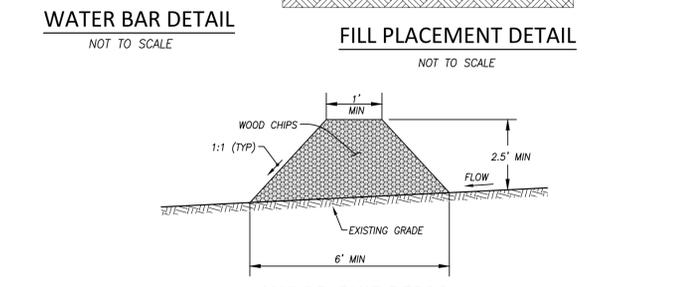
IDENTIFICATION SIGNS



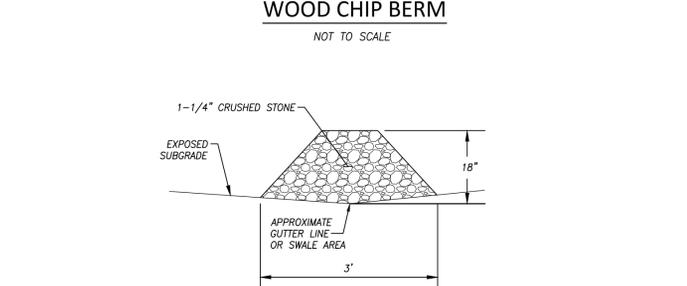
TRAFFIC BOUND GRAVEL SURFACE



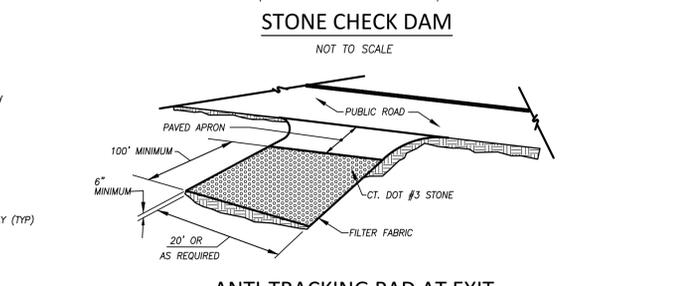
FILL PLACEMENT DETAIL



WOOD CHIP BERM



STONE CHECK DAM



ANTI-TRACKING PAD AT EXIT



NOTES: 1. EACH SIGN DIMENSION TO BE 48" HIGH X 52" WIDE. 2. SIGNS TO BE ATTACHED TO THE FENCE (SEE PLAN FOR LOCATIONS) AND OUTDOOR RATED.

IDENTIFICATION SIGNS

ENVIRONMENTAL NOTES

WETLAND AND VERNAL POOL PROTECTION PROGRAM PREPARED BY ALL POINTS TECHNOLOGY... PORTIONS OF THE PROPOSED PROJECT ARE LOCATED IN CLOSE PROXIMITY TO WETLANDS AND TERRESTRIAL HABITAT USED BY VERNAL POOL HERPETOFAUNA...

THE WETLAND AND VERNAL POOL PROTECTION PROGRAM CONSISTS OF SEVERAL COMPONENTS: USE OF APPROPRIATE EROSION CONTROL MEASURES TO SERVE AS AN ISOLATION BARRIER...

- 1. EROSION AND SEDIMENTATION CONTROLS
a. PLASTIC NETTING USED IN A VARIETY OF EROSION CONTROL PRODUCTS...
b. INSTALLATION OF EROSION CONTROL MEASURES, REQUIRED FOR EROSION CONTROL COMPLIANCE...
c. THE INTENT OF THE BARRIER IS TO SEGREGATE THE MAJORITY OF THE WORK ZONE FROM MIGRATING/DISPERSING HERPETOFAUNA...

- 2. CONTRACTOR EDUCATION
a. PRIOR TO WORK ON SITE AND INITIAL DEPLOYMENT/MOBILIZATION OF EQUIPMENT AND MATERIALS...
b. THE CONTRACTOR WILL DESIGNATE A MEMBER OF ITS CREW AS THE "PROJECT MONITOR" TO BE RESPONSIBLE FOR THE PERIODIC "SWEEPS" FOR HERPETOFAUNA...

- 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...
b. A SPILL CONTAINMENT KIT CONSISTING OF A SUFFICIENT SUPPLY OF ABSORBENT PADS AND ABSORBENT MATERIAL WILL BE MAINTAINED...

- 4. REPORTING
a. ANY INCIDENTS OF SEDIMENT RELEASE INTO THE NEARBY WETLAND WILL BE REPORTED TO THE CONNECTICUT SITING COUNCIL...
b. FOLLOWING COMPLETION OF THE CONSTRUCTION PROJECT, APT WILL PROVIDE A SUMMARY REPORT TO CONNECTICUT SITING COUNCIL...

- 5. HERBICIDE AND PESTICIDE RESTRICTIONS
a. IN THE EVENT HERBICIDES AND/OR PESTICIDES ARE REQUIRED AT THE PROPOSED FACILITY, THEIR USE WILL BE USED IN ACCORDANCE WITH AN INTEGRATED PEST MANAGEMENT ("IPM") PRINCIPLES...

ENVIRONMENTAL NOTES (CONTINUED)

AVIAN PROTECTION PROGRAM PORTIONS OF THE PROPOSED PROJECT REQUIRE TREE-CUTTING. IN ORDER TO LIMIT DISTURBANCE TO TREE ROOSTING AND BREEDING HABITAT UTILIZED BY FREE BIRDS, THE CONTRACTOR SHALL ONLY PERFORM TREE CLEARING ACTIVITIES FROM AUGUST 15 THROUGH APRIL 30.

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...

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...

- INSPECT ALL SEDIMENT FENCE, WOOD CHIP BERMS AND OTHER EROSION CONTROL MEASURES. REPAIR OR REPLACE ANY DAMAGED PORTION IN ORDER TO INSURE ITS PROPER AND EFFECTIVE OPERATION...
- INSPECT ALL STOCKPILES. REPAIR OR REPLACE ANY DAMAGED PORTION OF EROSION CONTROL MEASURES SURROUNDING THESE AREAS...

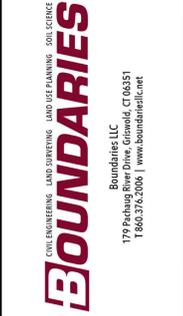
- 1. ALL UTILITIES ARE APPROXIMATE. CONTRACTOR TO VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION. CONTACT "CALL-BEFORE-YOU-DIG" AT 1-800-922-4455 AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION.
2. THE RESPONSIBLE PARTY FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES IS MIKE SINGER OF BRIGHTFIELDS DEVELOPMENT, LLC AT 860-214-7195.

EROSION CONTROL NOTES

- 1. ALL UTILITIES ARE APPROXIMATE. CONTRACTOR TO VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION. CONTACT "CALL-BEFORE-YOU-DIG" AT 1-800-922-4455 AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION.
2. THE RESPONSIBLE PARTY FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES IS MIKE SINGER OF BRIGHTFIELDS DEVELOPMENT, LLC AT 860-214-7195.
3. THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION, DEP BULLETIN 34, SHALL BE USED FOR INSTALLING AND MAINTAINING ALL EROSION CONTROL MEASURES...

Table with 4 columns: Plant Name, Quantity, Rate, and Total Weight. Includes Crown Vetch, Perennial Ryegrass, Creeping Red Fescue, and Redtop.

- 7. ALL EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER RAIN EVENTS AND REPAIRED OR REPLACED AS NECESSARY TO INSURE COMPLIANCE WITH THE APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN.
8. DUST CONTROL MEASURES WILL BE IMPLEMENTED DURING DRY CONDITIONS AND INCLUDE WATERING WITH A TANK TRUCK ON AN AS-NEEDED BASIS...



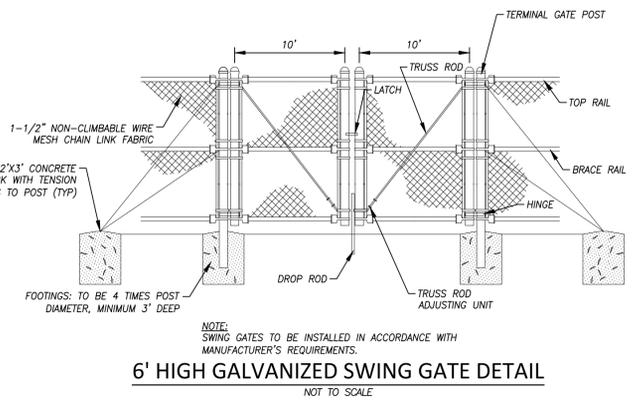
Improvement Location & Topographic Survey "Construction Notes & Details" Prepared for Brightfields Development LLC Brush Hill Road, Bozrah, Connecticut

Table with 2 columns: Field and Value. Includes Scale (None), Date (October 2014), Job ID No. (14-2279), and Revisions list.

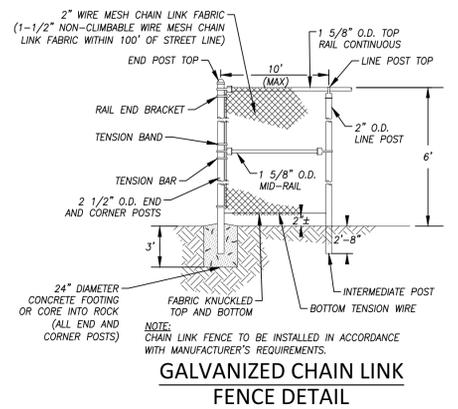
P:\CIVIL 3D PROJECTS\2014\14-2279 - BRIGHTFIELDS DEVELOPMENT LLC\DWG\DESIGN\14-2279 BRIGHTFIELDS DEVELOPMENT LLC...SITE PLAN.DWG

B © 2014 BOUNDARIES LLC
 THIS DRAWING IS THE PROPERTY OF BOUNDARIES LLC AND HAS BEEN SPECIFICALLY
 PREPARED FOR THE OWNER OF THIS PROJECT. AT THIS SITE, AND IS NOT TO BE
 DUPLICATED OR USED IN PART OR WHOLE FOR ANY OTHER PURPOSES. PROJECT LOCATION
 OR OWNER WITHOUT THE EXPRESSED WRITTEN CONSENT OF BOUNDARIES LLC.

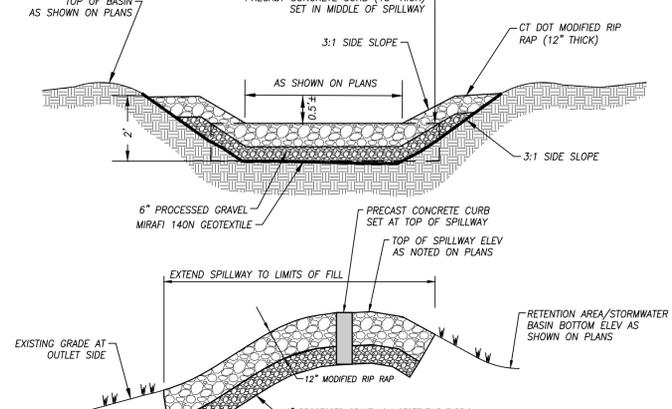
DAVID C. MCKAY P.E. LICENSE NO. 29102 DATE



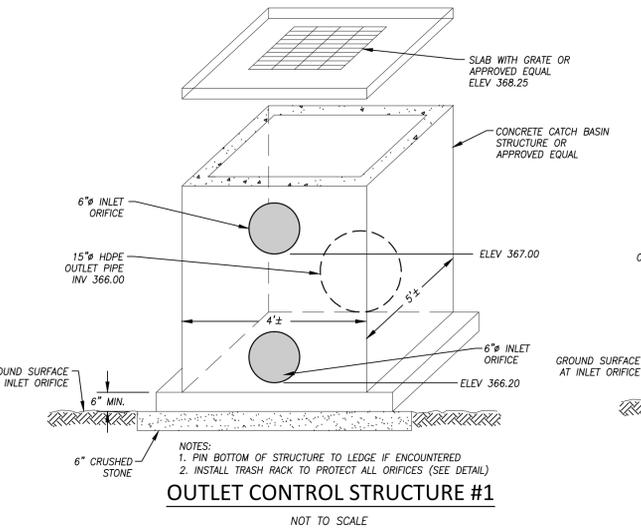
6' HIGH GALVANIZED SWING GATE DETAIL
NOT TO SCALE



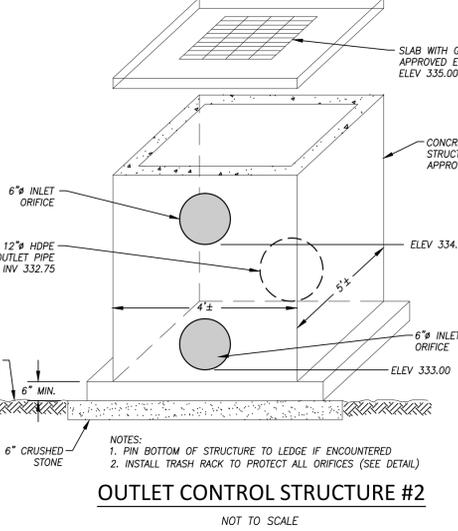
GALVANIZED CHAIN LINK FENCE DETAIL
NOT TO SCALE



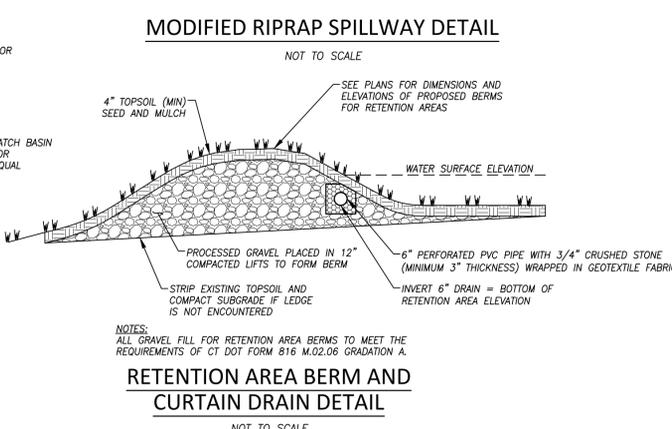
MODIFIED RIPRAP SPILLWAY DETAIL
NOT TO SCALE



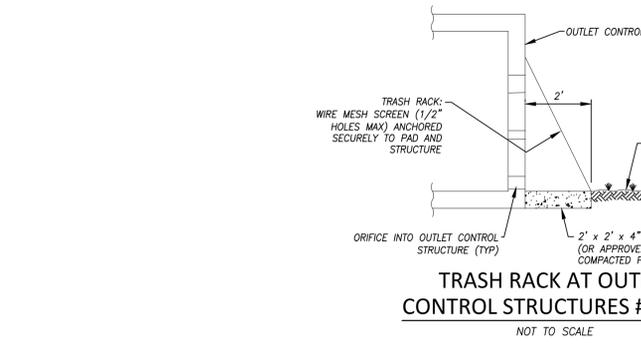
OUTLET CONTROL STRUCTURE #1
NOT TO SCALE



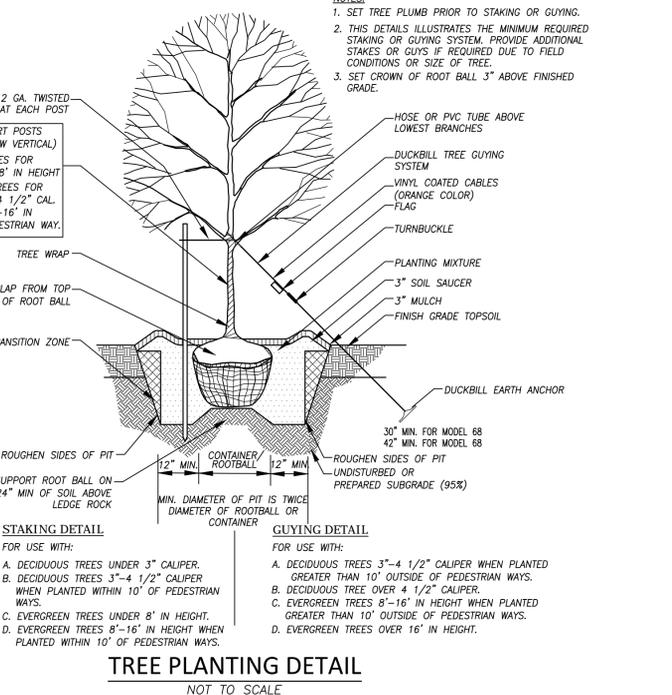
OUTLET CONTROL STRUCTURE #2
NOT TO SCALE



RETENTION AREA BERM AND CURTAIN DRAIN DETAIL
NOT TO SCALE



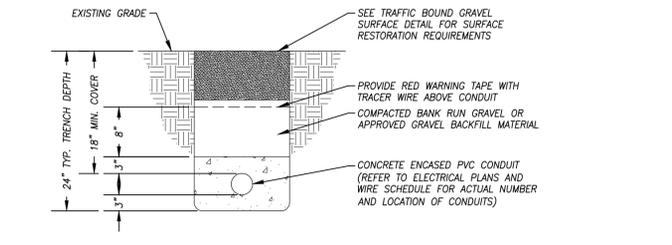
TRASH RACK AT OUTLET CONTROL STRUCTURES #1 & #2
NOT TO SCALE



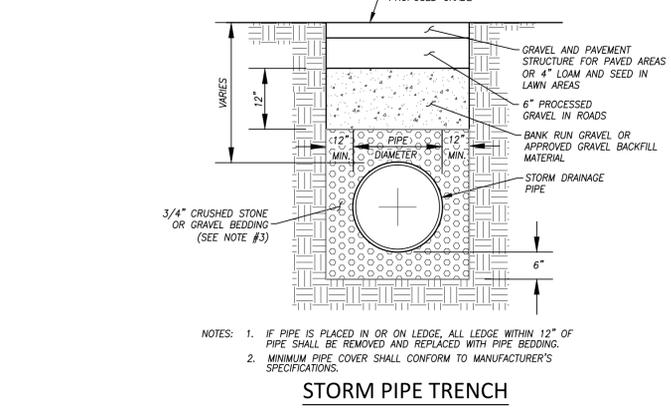
TREE PLANTING DETAIL
NOT TO SCALE

PLANTING SPECIFICATIONS:

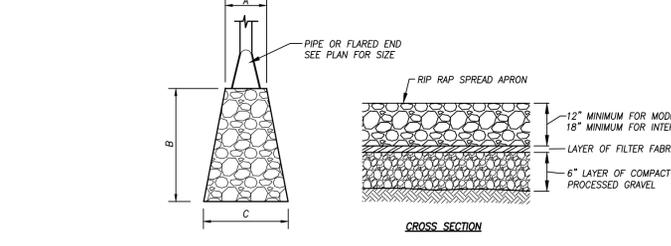
- All materials and construction methods shall conform to the requirements of the Connecticut Association of Landscape Contractors Specification. All plants shall be nursery grown and conform to the latest edition of ANSI Z60.1, AMERICAN STANDARD FOR NURSERY STOCK and also the minimum guidelines established 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 wraps, 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.



CONDUIT TRENCH THROUGH GRAVEL DRIVE DETAIL
NOT TO SCALE



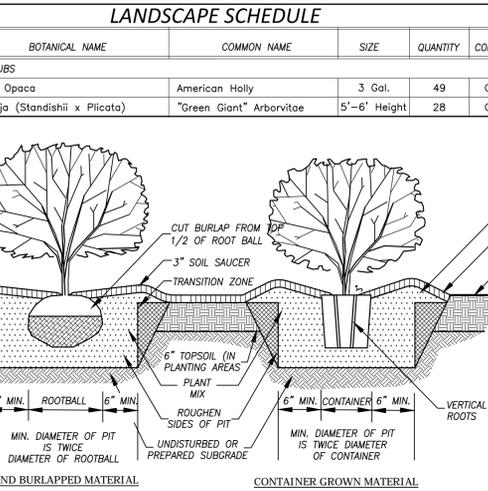
STORM PIPE TRENCH
NOT TO SCALE



SPREAD APRON TABLE

PIPE SIZE	A	B	C	RIP RAP SIZE	TYPE
CULVERT #1	12"	5'	5'	5"	MODIFIED INLET
CULVERT #1	12"	5'	14'	17'	MODIFIED INLET
CULVERT #2	12"	5'	5'	5"	MODIFIED OUTLET
CULVERT #2	12"	5'	14'	17'	MODIFIED OUTLET
CULVERT #3	15"	5'	5'	5"	INTERMEDIATE INLET
CULVERT #3	15"	5'	19'	23'	INTERMEDIATE OUTLET
CULVERT #4	12"	5'	5'	5"	MODIFIED INLET
CULVERT #4	12"	5'	14'	17'	MODIFIED OUTLET
FE #1	15"	5'	18'	20'	MODIFIED OUTLET
FE #2	12"	4'	13'	16'	MODIFIED OUTLET
RET. AREA #1	6"	3'	11'	13'	MODIFIED OUTLET
RET. AREA #2	6"	3'	11'	13'	MODIFIED OUTLET
RET. AREA #3	6"	3'	11'	13'	MODIFIED OUTLET
RET. AREA #4	6"	3'	11'	13'	MODIFIED OUTLET

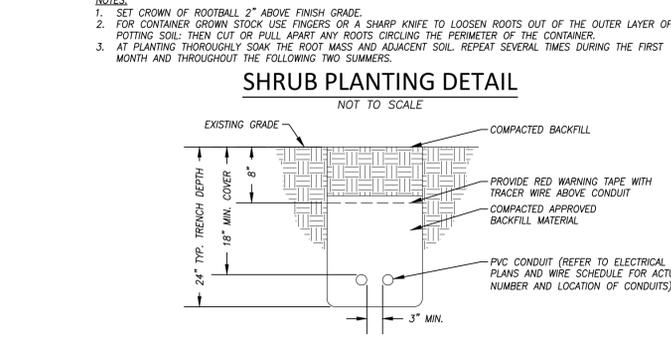
APRON DESIGN BASED ON 2000 CONDOT DRAINAGE MANUAL



SHRUB PLANTING DETAIL
NOT TO SCALE

LANDSCAPE SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY	COMMENT
TREES AND SHRUBS					
ILOP	Ilex Opaca	American Holly	3 Gal.	49	G.G.
THOC2	Thuja (Standishii x Plicata)	"Green Giant" Arborvitae	5'-6" Height	28	C.G.

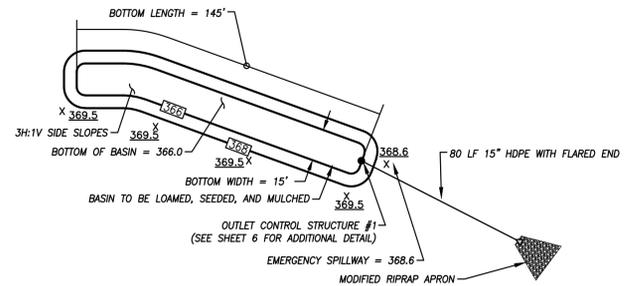


NON-TRAFFIC CONDUIT TRENCH DETAIL
NOT TO SCALE

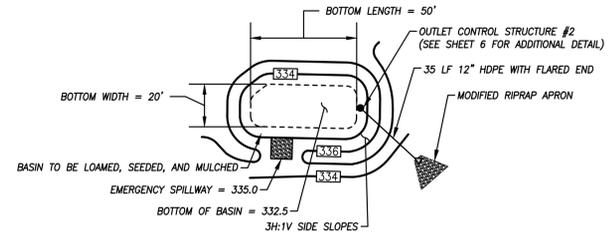
BOUNDARIES
 CIVIL ENGINEERING LAND SURVEYING LAND USE PLANNING CONSULTING
 Boundaries LLC
 179 Pachaug River Drive, Griswold, CT 06351
 T 860.376.2006 | www.boundariesllc.com

Improvement Location & Topographic Survey
 "Stormwater Management Details"
 Prepared for
 Brightfields Development LLC
 Brush Hill Road, Bozrah, Connecticut

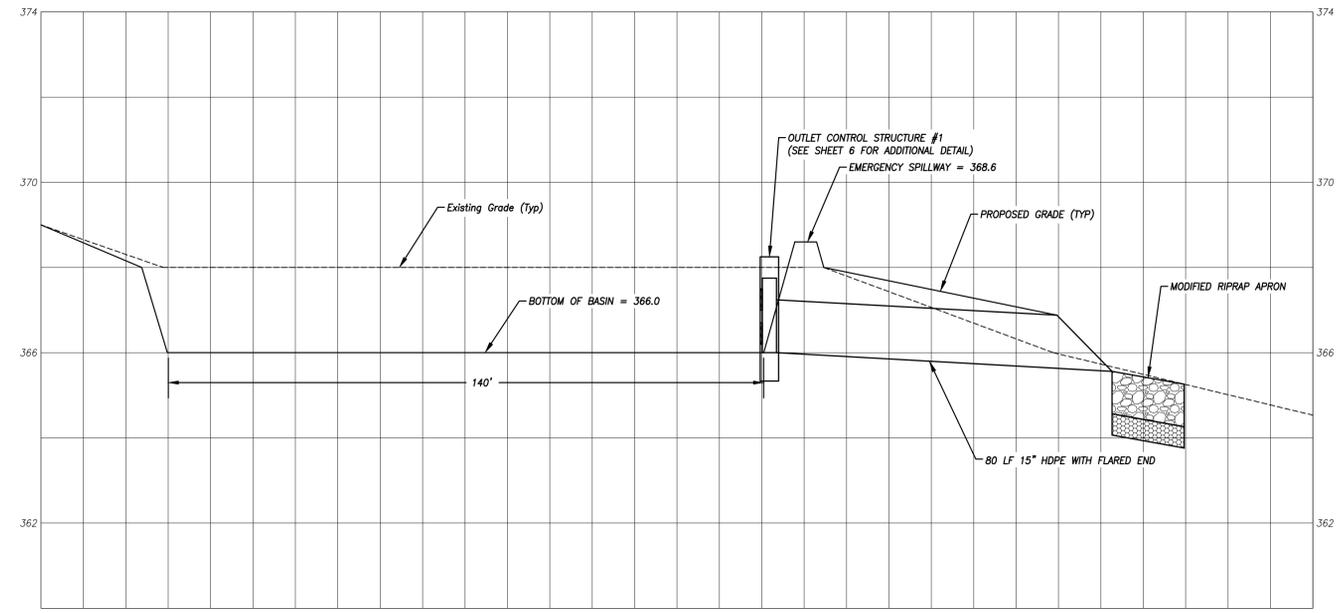
SCALE: None
 DATE: October 2014
 JOB ID NO. 14-2279
Revisions
 Rev. A - New panel layout (GameChange) - 12/15/14
 Rev. B - Per Siting Council Verbal Comments - 5/13/15
 Rev. C - Per BL&P/Town Comments - 5/20/15
 Rev. D - Test Pit Results and SW Modifications - 6/19/15
 Rev. E - Final Electrical Equipment Layout - 7/2/15
 Rev. F - Environmental Notes from All Points Technology - 7/20/15
SHEET NO.
 6



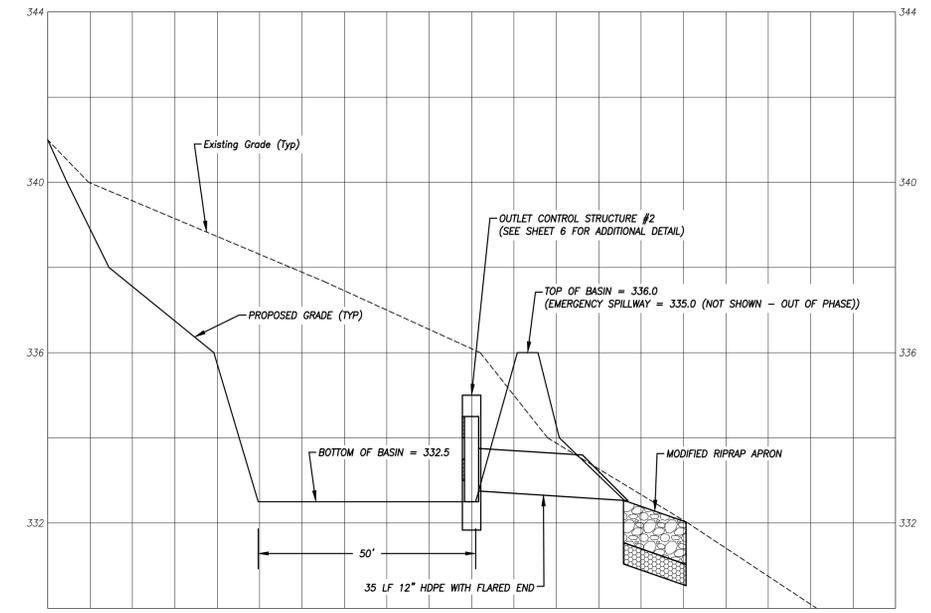
STORMWATER BASIN #1 PLAN
 Not To Scale



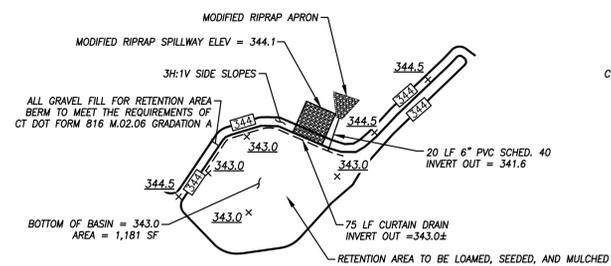
STORMWATER BASIN #2 PLAN
 Not To Scale



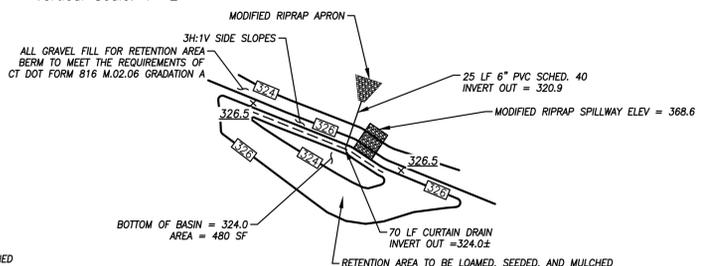
STORMWATER BASIN #1
 Horizontal Scale: 1"=20'
 Vertical Scale: 1"=2'



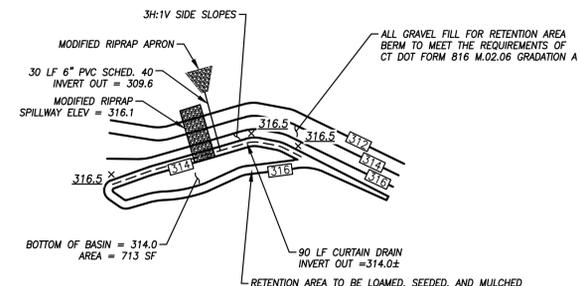
STORMWATER BASIN #2
 Horizontal Scale: 1"=20'
 Vertical Scale: 1"=2'



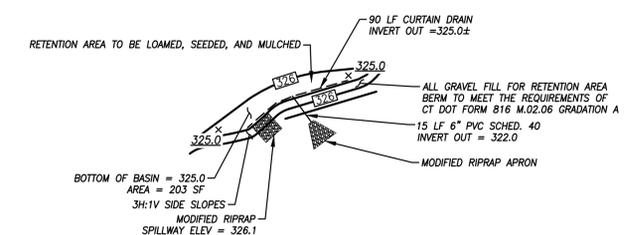
RETENTION AREA #1 PLAN
 Not To Scale



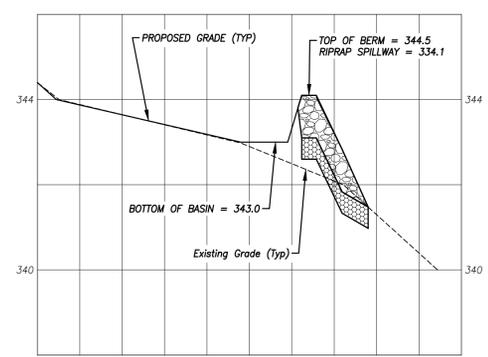
RETENTION AREA #2 PLAN
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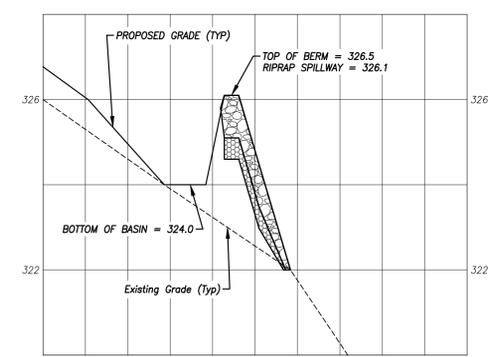
RETENTION AREA #3 PLAN
 Not To Scale



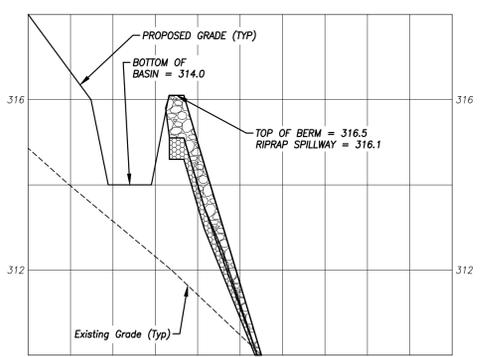
RETENTION AREA #4 PLAN
 Not To Scale



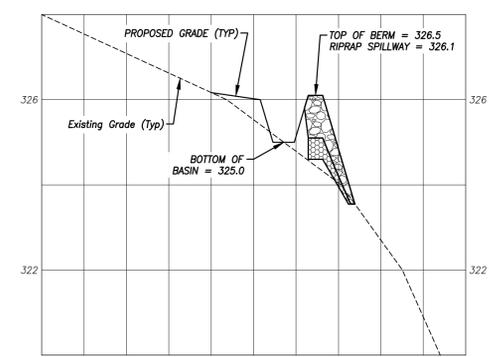
RETENTION AREA #1
 Horizontal Scale: 1"=20'
 Vertical Scale: 1"=2'



RETENTION AREA #2
 Horizontal Scale: 1"=20'
 Vertical Scale: 1"=2'



RETENTION AREA #3
 Horizontal Scale: 1"=20'
 Vertical Scale: 1"=2'



RETENTION AREA #4
 Horizontal Scale: 1"=20'
 Vertical Scale: 1"=2'

P:\CIVIL 3D PROJECTS\2014\14-2279 - BRIGHTFIELDS DEVELOPMENT LLC\DWG\DESIGN\14-2279 BRIGHTFIELDS DEVELOPMENT LLC SITE PLAN.DWG

SCALE:	None
DATE:	October 2014
JOB I.D. NO.	14-2279
Revisions	
Rev. A -	New panel layout
Rev. B -	Per Siting Council Verbal Comments - 5/13/15
Rev. C -	Per BL&P/Town Comments - 5/20/15
Rev. D -	Test Pit Results and SW Modifications - 6/19/15
Rev. E -	Final Electrical Equipment Layout - 7/2/15
Rev. F -	Environmental Notes from All Points Technology - 7/20/15
SHEET NO.	
7	

Decommissioning Plan

Brush Hill Road Solar Project

Bozrah, CT

This Decommissioning Plan establishes the approach to conduct decommissioning activities for the permanent closure of the solar panels and appurtenant equipment (Project or Facility) at the end of the Facility's useful life or the permanent cessation of the Facility's operation, whichever comes first. This Plan also describes the approach for removal and/or abandonment of facilities and equipment associated with the Facility's and describes anticipated land-restoration activities.

As background, the Site License Agreement (SLA) for the Facility site requires that no later than 90 days after its expiration all tangible personal property comprising the Facility must be removed from the site. The SLA also requires that the site be returned to its original condition, excepting ordinary wear and tear, including the removal of mounting pads or other support structures for the solar modules.

DECOMMISSIONING ACTIVITIES

In accordance with the SLA, decommissioning will involve removal and disposal or recycling of all Project components. All recyclable materials will be transported to the appropriate nearby recycling facilities. Any non-recyclable materials will be properly disposed of at a nearby landfill. 95% or greater of the Facility's components will be recyclable.

Decommissioning Preparation

The first step in the decommissioning process will be to prepare the site for decommissioning. Site decommissioning and equipment removal can take up to six months to complete for a project of this size. Therefore, access roads, fencing, and electrical power will temporarily remain in place for use by the decommissioning and site restoration workers until no longer needed. Demolition debris will be placed in temporary on-site storage areas pending final transportation and disposal/recycling according to the procedures listed below.

PV Equipment Removal and Recycling

During decommissioning, all Facility components that will not be used by the site owner will be removed from the site. Equipment removal will include all pad-mounted cabinets, wiring, solar modules, solar module racking, inverters, and panel boards. Concrete ballast tubs that supported the module racking will be removed and any resulting holes will be backfilled with locally imported soil to match existing site soil conditions. The concrete transformer and interconnection equipment pads will be broken up and removed.

The demolition debris and removed equipment may be cut or dismantled into pieces that can be safely lifted or carried with the on-site equipment being used. The majority of glass, steel and aluminum will be processed for transportation and delivery to a licensed off-site recycling center. The solar modules will be transported to and recycled at the nearest facility that will accept them. Minimal non-recyclable materials are anticipated; these will be properly disposed of at the nearest qualified disposal facility.

Internal Power Collection System

The DC and AC power collection system will be dismantled and removed. All conduit and cabling that is removed will be recycled.

Access Roads

The onsite access driveway will remain in place to accomplish decommissioning at the end of the Facility's life. At the time of decommissioning, if the landowner determines that this road will be beneficial for the future use of the site, the access road may remain after decommissioning. The future use of the site is undetermined at this time. Roads that will not be used will be restored to pre-construction conditions by removal of the aggregate base material, fill of the compacted base section with locally imported soil to match existing onsite soils, and hydroseeding with a seed mix to match existing onsite groundcover.

Security Fence

The 6-foot high chain link perimeter security fence will remain in place during decommissioning activities for site safety and security purposes. At the time of decommissioning, if the landowner determines that this fence will be beneficial for the future use of the site, the fence may remain after decommissioning. The future use of the site is undetermined at this time. If the fence will not be used, it will be removed and transported to the nearest recycling facility. Holes left behind by the fence support posts will be backfilled with locally imported soil to match existing onsite soils, and hydroseeded with a seed mix to match existing onsite groundcover.

Landscaping

The double row of screening vegetation along certain areas of the northern and western perimeter of the Site will remain in place during decommissioning activities for site safety and security purposes. At the time of decommissioning, if the landowner determines that this landscaping will be beneficial for the future use of the site, the landscaping may remain. The future use of the site is undetermined at this time. If the landscaping will not be used by the landowner, it will be removed and transported to the nearest plant material disposal facility for composting or mulching. Shrubs, bushes, and trees would be stump cut to just below ground level.

Interconnection Line

The overhead interconnection cabling that connects the Project to the Bozrah Light and Power distribution network will remain in place during decommissioning activities to provide electric service onsite during decommissioning. At the time of decommissioning, if the landowner determines that this electric service line will be beneficial for the future use of the site, the line may remain after decommissioning. If the line is not used, it will be removed per Bozrah Light and Power guidelines and transported offsite to the nearest recycling facility.

SITE RECLAMATION

After the Project is completely decommissioned, and all Projects equipment has been removed from the Site, additional activities will be performed to return the property back to its pre-construction conditions, excepting ordinary wear and tear,

Restoration Process

The decommissioning process will remove Project-related structures and infrastructure as described in the previous sections. Following decommissioning, site reclamation activities will occur. Reclamation will restore landform features, vegetative cover, and hydrologic function after the closure of the facility. The process will involve (where needed) the replacement of topsoil and vegetation, as well as modification of site topography where necessary to bring the Site back to substantially pre-construction conditions compatible with the adjacent surroundings.

Any excavated areas remain after removal of equipment pads or access road base material, will be backfilled and compacted with locally imported soil to match existing onsite soils, and hydroseeded with a seed mix to match existing onsite groundcover. Any other areas of lower than average ground surface level will receive similar treatment.

If any soils are compacted at levels that would affect successful re-vegetation, they will be de-compacted. The method of de-compaction will depend on how compacted the soil has become over the life of the Project. Following de-compaction, re-contouring of the site will be conducted, if necessary, to return the Site to approximately match the pre-construction surface conditions and the surrounding area conditions. Original site drainage characteristics will be restored if they have not been maintained. It is unlikely that a significant amount of earthwork will be required, because the Project construction plan calls for minimal disturbance of the Site during Project construction. Grading activities will be limited to areas as shown on the design plans that require re-contouring. Efforts will be made to disturb as little of the natural drainages and existing natural vegetation that remain post-decommissioning as possible.

Any remaining bare earth areas will be hydroseeded with a seed mix to match existing onsite groundcover. Site restoration activities are anticipated to be limited, because the pre-construction conditions of the site are not planned to be significantly altered during Project construction. Also, any other activities that become necessary, will be performed to return the Site to a pre-construction condition.

Monitoring Activities

The Site will be monitored by SolarCity after site restoration activities are complete to confirm that any earthwork and re-vegetation were performed correctly. The Site will be periodically inspected (at least quarterly) to check for any eroded earthwork or failed vegetation. Any deficiencies will be promptly corrected. This monitoring will continue for a period of one year, or until the Site is re-developed for another future purpose, whichever comes first.

PETITION NO. 1150 -- SOLARCITY CORPORATION
DEVELOPMENT AND MANAGEMENT PLAN

AUGUST 3, 2015

- a) A final plan of site development to include specifications for the solar panels, supporting infrastructure, electrical equipment, equipment compound, access and maintenance roads, utility connections, and landscaping -- **See attached Exhibit A, Site Development Plan.**

- b) Construction details for site clearing, site phasing, grading, water drainage, and erosion and sedimentation controls consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended -- **See attached Exhibit A, Site Development Plan.**

- c) Incorporation of a Wetland Protection Program as provided in Petition Exhibit 2, Appendix B -- **See attached Exhibit A, Site Development Plan, and notes on Sheet 5.**

- d) Construction work hours and days of work -- **The following work schedule is planned: 7 a.m. to 7 p.m., seven days per week. Please note that the on-site work is expected to take approximately 12 weeks.**

- e) Avoidance of site clearing activities from early May to early August, as described in the Breeding Bird Assessment, dated April 28, 2015 -- **Construction activities will not occur between early May and early August.**

- f) Decommissioning Plan -- **See attached Exhibit B, Decommissioning Plan.**