

Exhibit CS-BW-30

Docket 8302

Exhibit CS-ECOS-1

45 Day Advance Notice Filing

CHELSEA SOLAR

45 Day Advance Notice Letter

January 31, 2014

TO: Those Persons Listed on the Attached Service List

**RE: Chelsea Solar (Bennington) Project
Certificate of Public Good – Section 248 Permit Process
45-Day Advance Notice of Proposed Project**

I. Introduction

Chelsea Solar (Bennington) LLC is a Vermont limited liability company (the “Petitioner”) that is preparing to file a petition for a Certificate of Public Good pursuant to 30 V.S.A. § 248 with the Vermont Public Service Board (the “PSB” or “Board”), requesting approval to build and operate a solar photovoltaic electric generation facility with a nameplate capacity of 2.0MW (AC) to be located at 1033 Willow Road, Bennington, Vermont (the “Project”).

Over the last year, studies have been performed to assess solar resource characteristics, aesthetics, environmental conditions and potential impacts of the Project. In addition, the Petitioner has reached out to the applicable regulatory agencies in Vermont to share information about the Project and has been working closely with such agencies with respect to the development of the Project.

The Petitioner anticipates filing a Petition for a Certificate of Public Good with the Board on or after March 17, 2014, and is providing the information in this 45-day advance notice package to the municipal and regional planning commissions and municipal legislative bodies in accordance with PSB Rules 5.402 and 5.403.

This letter (1) describes the Project, plans for its construction and operation, including how equipment and materials will be transported to the site, (2) identifies the Project team, (3) describes the expected benefits of the Project to Vermont, (4) provides a preliminary impact assessment of the potential environmental and aesthetic impacts of the Project and (5) explains in accordance with Board Rule 5.402(A), the rights of the local and regional planning commissions to comment on the Project plans.

Included with this letter as Exhibit A is the Project Site Plan, inclusive of plans regarding site, grading, draining and erosion control and electrical layout and a USGS Map (on page 1 of Exhibit A) identifying the location of Project components in relation to the surrounding area.

II. Project Description and Construction Plans

The Project is a 2.00 MW (AC) solar electric generation facility. The Project Site Plan is included as Exhibit A hereto and illustrates the preferred location of the Project's components

as described in the following sections. Various alternatives were examined for locating Project components. The Petitioner engaged local specialists and contacted state agencies to assess Project design alternatives. The Site Plan included with this letter, is an alternative that reflects this research and these discussions.

The basic parameters of the site plan include the following working assumptions:

- installation of the access drive and temporary stabilized construction entrance;
- minimal grading and excavation will occur on the project, only access roadway grading and conduit trenching is proposed as earthwork; solar panel support structures will be driven piles thus resulting in very limited earth disturbance;
- native soils to remain in place and the site after construction will remain vegetated and able to be routinely mowed;

The proposed project is part of the Vermont Sustainably Priced Energy Enterprise Development (“SPEED”) program. This program allows projects to sell electrical power generated from eligible solar generating facilities, up to 2.2 MW (AC), to VEPP Inc., the purchasing agent appointed by the Board in connection with the SPEED program. The Project will interconnect with Green Mountain Power’s three-phase line that runs along Route 7 on the west side of the Project.

The Project will produce electrical power by converting solar radiation into direct current electricity. The generating facility then converts the electrical power from direct current (DC) to alternating current (AC), so that electricity generated from the generating facility can be injected into the electric distribution system.

The Project is located on an approximately 27 acre parcel that is currently vacant and will occupy approximately 13.3 acres of land that will consist of Trina 300MW photovoltaic solar modules (Modules) that will be mounted onto an aluminum and steel racking system, which is then mounted on to support posts that are driven into the ground.

In addition to the racking equipment and Modules, the proposed generating facility will include the following equipment:

- An six (6) chain link fence with a 1’ barbwire rampart surrounding the Project footprint
- Underground electrical collection lines, combiner boxes and disconnect switches
- Transformers and switchgear equipment
- Electrical inverters
- Security cameras and equipment
- Remote monitoring equipment

The installation of all equipment in connection with the proposed generating facility will be constructed in accordance with the building code and state and national electrical codes. A schematic, showing typical dimensions and labeled components, is included in the Project Site Plan.

General Construction

Construction of the Project is expected to take approximately 3 to 4 months, depending on weather

conditions. During construction, there will be periodic delivery of equipment to the site and there will be up to 20 to 30 construction workers on site at any one given time. All Construction materials, will be transported over state highways and Bennington town roads to the Project road, in accordance with state and local vehicular loading requirements. Deliveries to the site will be scheduled parallel with construction activities to minimize on site staging. Materials will be off loaded throughout the solar array and along perimeter fencing as close as possible to their final installation location. All appropriate best management practices will be applied prior to any construction activities occurring on site. Construction will be limited to normal business hours during the day.

Access Road

Access to the Project will be approximately 1350 lineal feet of a 16 foot wide aggregate service road with appropriate emergency vehicle access hammerheads. The access roadway will be entirely within the Project site and connect the Project with the existing access to Willow Road (TWN HWY NO. 18). The road base for the entire length will be constructed to accommodate vehicle loads per geotechnical recommendations. An estimated 2200 cubic yards of cut and fill will be required to achieve the proposed grades of the access road and inverter skid.

Solar Array and Racking

The solar array will be constructed by installing driven piles throughout the Project's footprint. These piles are driven by a track mounted machine and ground disturbances are minimal. Solar racking is mechanically fastened from pier to pier to create the solar panel support structure. Solar panels are mechanically installed to the racking.

Electrical Collection System

The Solar array wiring will be mounted to the racking and transition to common trenches throughout the array, with home runs to the central inverter skid. The central inverter skid houses the majority of the projects electrical components, such as inverters, transformers and monitoring equipment. The skid is delivered to the site fully constructed and is offloaded to concrete structural pier footings designed to adequately support the skid.

The electric collection line from the Project to the utility's distribution circuit will be on Project land and on an existing access road easement (VTrans-owned property). Switchgear and protection equipment will be needed at the point of interconnection or common coupling. The specific Point of Common Coupling ("PCC") location shall be on Green Mountain Power's 12.47 kV distribution circuit (Mill Street Substation Circuit 2136) at the end of Willow Road in Bennington. The PCC will be located on the load side of the GMP owned disconnect switches on a new facility riser pole.

Operations

The Project will operate 24 hours a day, 7 days a week and there will be no need for a full time employee to work at the Project site. The operations and security of the Project will be monitored remotely. After the proposed Project is fully constructed, it will require periodic scheduled and unscheduled maintenance during the life of the Project. This maintenance will include, but not be limited to, module washing, inverter maintenance and replacement and repair of equipment.

Traffic to and from the site for periodic scheduled and unscheduled maintenance will be minimal.

In addition to low traffic impacts during and after construction, the generating facility will emit very little noise and any noise should not be noticeable to a person walking down the adjacent road. The only potential sound emitted from the generating facility would come from the inverters and transformers and will consist of a low humming sound, similar to that of an electrical transformer located on a residential or commercial property. This noise will not be audible from outside of the project's perimeter fencing.

III. Project Team

Preferences have been given to hiring Vermont-based experts that are experienced with the concerns and benefits surrounding solar electric generation and the permit processes pertinent to Vermont. Vermont consultants providing expertise to the development of the Project include SE Group of Burlington, Vermont (aesthetics and land use), Scott Michael Mapes, P.E., Esq. of Burlington, Vermont (environmental regulation and site design) and Arrowwood Environmental of Huntington, Vermont (natural resources). In addition the Project permitting team is led by Michael Melone, the Vice President and General Counsel of the Petitioner and a graduate of Middlebury College in Middlebury, Vermont.

The Petitioner's employees have expertise in wind and solar development, wind and solar resource assessment, finance, land acquisition, title services, environmental permitting, energy policy, transmission, and utility planning. The Petitioner will leverage its experience and technical expertise in the renewable energy industry, along with its sources of capital, equipment and services to develop, construct and operate the Project.

IV. Project Benefits

The Project represents an attractive resource for Vermont utilities needed to meet the Vermont's and the region's renewable energy and sustainability goals. Vermont faces the expiration of 2/3 of its existing electric power contracts within the next few years and the uncertainty of how those contracts will be renewed. The demand for new sources of renewable energy in Vermont as well as in New England is robust at this time. Demand for solar energy in Vermont is fostered by the new Vermont law, effective July 1, 2008, as a result of the enactment of S. 209, which states the following: "It is a goal of the state by the year 2025 to produce 25% of the energy consumed within the state through the use of renewable energy resources particularly from Vermont farms and forests."

The more energy produced by solar, the less energy will be needed from polluting fossil fuel-fired plants, helping to reduce acid rain, ozone depletion, health problems from toxic air, and global warming. This also benefits the entire region by making electricity prices less dependent on volatile fossil fuel market prices.

V. Preliminary Impact Assessment

Environmental

Based upon the initial review performed by Chelsea Solar and its consultants, the Chelsea Solar project site layout will cause minimal impacts to environmental resources and identified environmental sensitivities and will not create public health or safety concerns. Key elements include the following:

- Our wetland consultants prepared a desktop wetland survey, and there are no VSWI mapped wetlands within the proposed array area. A site visit occurred on January 17, 2014 by Arrowwood Environmental to determine the presence of any unmapped natural resources, minor locations on the site were identified as potential wetland areas and a spring delineation will be required. The preliminary RINA survey suggest that no rare/endangered plants, significant natural communities, or critical wildlife habitat have been discovered within the project footprint. Security fencing around the solar array will be designed to accommodate local habitat migration across the site if required.
- The project should require few, if any, municipal services (fire, police, water, sewer or road) nor will it impact the ability of the town to provide municipal or educational services.

Aesthetics

An extensive aesthetic assessment has been conducted for the Project by SE Group of Burlington, Vermont. The aesthetics assessment was performed within the parameters set forth in Section 248 for other, similar projects. The analysis incorporates the provisions of the so-called *Quechee* analysis as adopted by the Board, which evaluates whether or not the Project will create an aesthetic impact and, if so, whether or not these impacts can be effectively mitigated. The Board balances these conclusions against the “societal benefits” of the Project.

The Project will be visible from several public vantage points; mostly concentrated within areas in and around the US Route 7 corridor and interchange between US Route 7 and 279. This viewshed is presently dominated by this transportation infrastructure. The typical observer within this viewshed would be moving through it and would have relatively short-duration views of the Project. The presence of dense woods to the north of the Project will screen views from the few residences that abut the subject property.

A Vermont Welcome Center is located within this corridor and will have more static visibility of the Project, but the extent of that visibility is limited by existing woodlands which occur within State of Vermont property that separates the highway corridor and the property on which the Project is proposed. These wooded areas will remain following the development of the Project. The more visually dominant focal point for visitors to the welcome center are to the south and include the Bennington Battle Monument and Mount Anthony. These form the backdrop of the structure when approaching it from the parking area.

There are no direct views of the Project site from the park surrounding the Bennington Battle Monument and views from the observation area of the monument itself are limited. The

observation windows on the monument are very narrow and are positioned to the cardinal directions (north, south, east, and west) and limit views towards the Project which is north and east. Any public views from areas on Mount Anthony are also limited given the wooded nature of the site and the significant distance (over 3 miles).

Moreover, the Project will not violate any clear written community standard. There are no standards in the Bennington Town Plan which specifically restrict solar power development and the Plan does not imply or indicate that aesthetic or scenic values will be violated by such a development.

The overall conclusion of the preliminary aesthetic assessment is that the proposed Project will not, if constructed, result in an undue adverse impact to the aesthetics and scenic beauty of the area. A complete aesthetic evaluation will be provided with the petition.

VI. Right of the Local and Regional Planning Commissions to Comment on the Plans

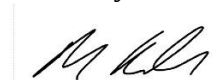
Pursuant to Section 248(f) of Title 30 of Vermont Statutes Annotated (30 V.S.A § 248(f)), municipal and regional planning commissions can make recommendations, if any, to the PSB and to the petitioner at least 7 days prior to filing of the Petition with the Public Service Board. So that the PSB may take your views into account, Petitioner requests that your comments be submitted no later than March 21, 2014, which is 7 days prior to the anticipated filing date of March 28, 2014. Your commission also has the right to make revised recommendations within 45 days after the date the Petition is filed with the Public Service Board, if the Petition contains new or more detailed information that was not previously included in these plans.

For additional information regarding this process, including your planning commission's right to participate in the PSB's proceeding, please refer to the "Guide to the Vermont Public Service Board's Section 248 Process" which can be found at <http://www.psb.vermont.gov>.

As the Project is still in the design phase, we will continue to have discussions and expect to receive feedback on this Project from your representatives, as well as various key stakeholders.

If you are interested in a presentation on this project, or have comments or request further information, please contact Michael Melone at (917) 328-2001, or via e-mail at mjmelone@allcous.com.

Sincerely,



Michael Melone
Chelsea Solar (Bennington) LLC
c/o Allco Renewable Energy Limited
14 Wall Street – 20th Floor
New York, NY 10005

Chelsea Solar (Bennington) LLC
Certificate of Public Good – 45 Day Notice Service List

Bennington Planning and Permitting Department
Bennington Select Board
Attention: Dan Monks
P.O. Box 469
Bennington, VT 05201

Bennington County Regional Commission
Attention: Jim Sullivan
111 South Street, Suite 203
Bennington, VT 05201

Geoff Commons, Esq.
Director, Public Advocacy Division
Vermont Department of Public Service
112 State Street – Drawer 20
Montpelier, VT 05620-2601

Billy Coster
Senior Planner and Policy Analyst
Vermont Agency of Natural Resources
1 National Life Drive, Davis 2
Montpelier, Vermont 05620-3520

Stephanie Ann Smith
Chief Policy Enforcement Officer
Agency of Agriculture, Food and Markets
116 State Street
Montpelier, VT 05602

Scott Dillon
Survey Archeologist
Division of Historic Preservation
1 National Life Drive, 6th Floor
Montpelier, Vermont 05620

EXHIBIT A – SITE PLANS

CHELSEA SOLAR - 45 DAY NOTICE DOCUMENTS

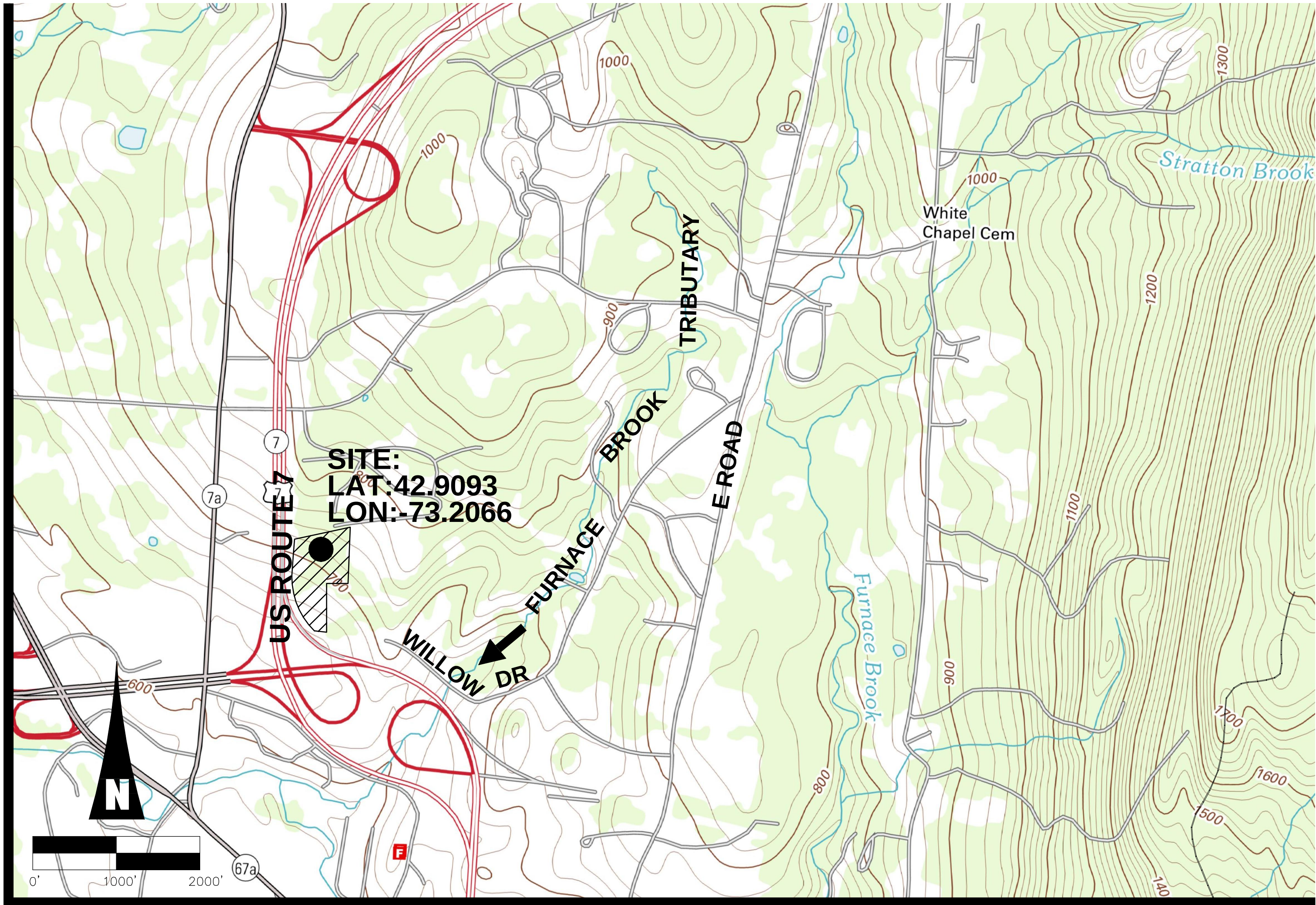
FOR

Site, Grading, Drainage/Erosion Control & Electrical Layout

IN

BENNINGTON, VT

USGS - SITE LOCATION MAP



CONTACT INFO:

OWNER/DEVELOPER:
ECOS ENERGY
222 SOUTH 9TH STREET
SUITE 1600
MINNEAPOLIS, MN 55402

SURVEYOR:
VERMONT SURVEY CONSULTANTS, LLC
69 GROVE STREET
RUTLAND, VT 05701

SHEET INDEX

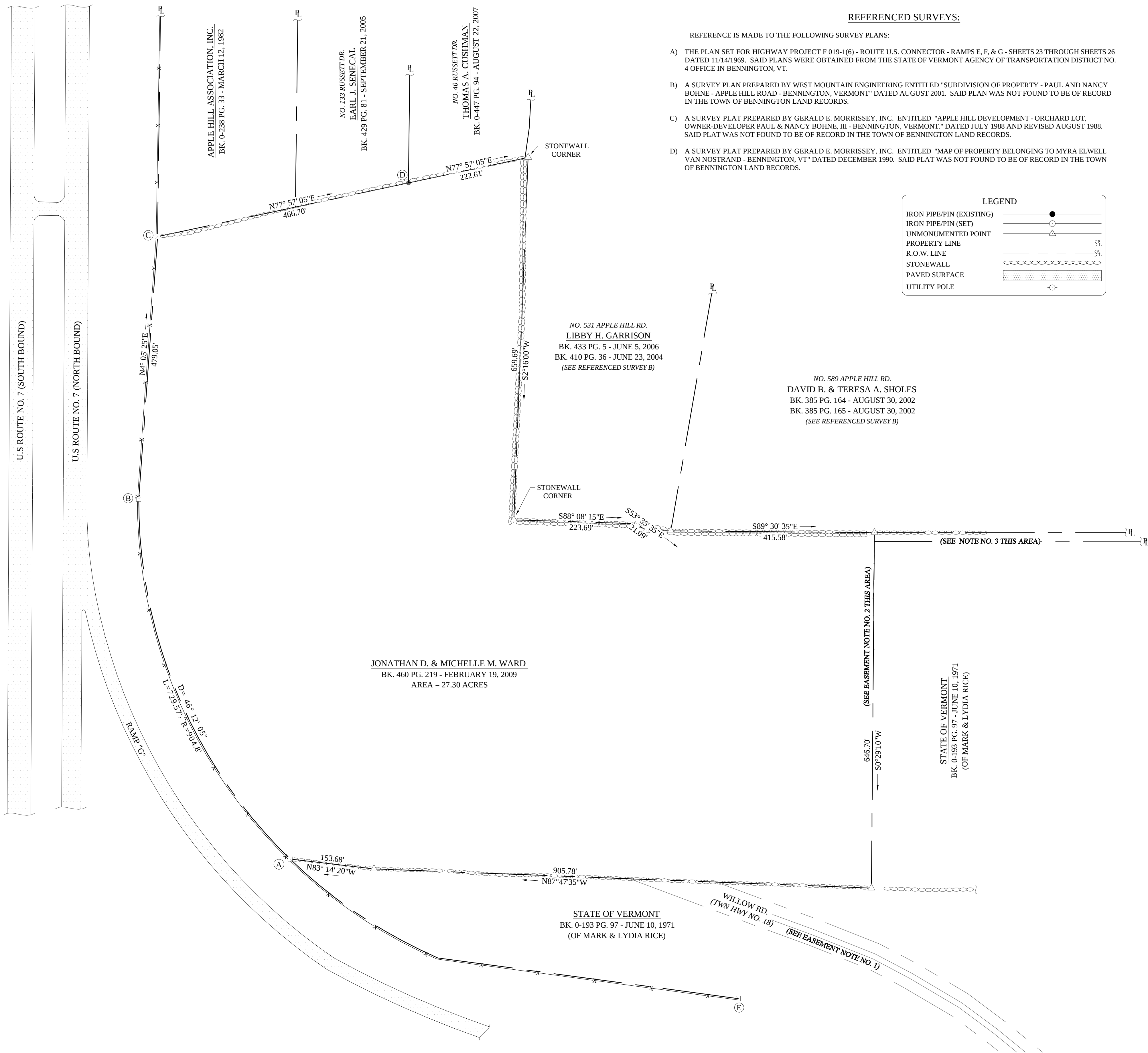
●	2/3/2014	1	COVER SHEET
●	9/27/2013	2	ALTA SURVEY (VERMONT SURVEY CONSULTANTS, LLC)
●	2/3/2014	3	CIVIL SITE PLAN
●	2/3/2014	4	CIVIL SITE DETAILS
●	2/3/2014	5	GRADING AND EROSION CONTROL PLAN

DRAWING INDEX LEGEND

●	FILLED CIRCLE INDICATES DRAWING INCLUDED WITHIN THIS ISSUE		
-	MOST RECENT REVISION NUMBER		
-	MOST RECENT ISSUE OR REVISION DATE		
-	X/XX/201X	X	SHEET TITLE

REVISION LOG:

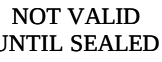
I hereby certify this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer in the State of Vermont.
**NOT FOR CONSTRUCTION
ISSUED FOR 45 DAY NOTICE**
Reg. No:



TO ECOS ENERGY, LLC; THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2011 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1-4, 6, 8, 11a, 13, AND 16-18 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED IN JULY OF 2013.

REV.	DESCRIPTION	BY	DATE
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COPYRIGHT © 2013 VERMONT SURVEY CONSULTANTS, LLC
ALL RIGHTS RESERVED. THIS DOCUMENT OR ANY PART THEREOF MAY
NOT BE REPRODUCED OR UTILIZED IN ANY FORM WITHOUT PRIOR
WRITTEN PERMISSION FROM VERMONT SURVEY CONSULTANTS, LLC.



MONUMENT SCHEDULE				
PROPERTY CORNER	MONUMENT	GRADE RELATIONSHIP	EXISTING/ SET	REMARKS
(A)	4" x 4" CONC. BOUND	ABOVE 8"	EXISTING	VT. HWY. DEPT.
(B)	4" x 4" CONC. BOUND	ABOVE 8"	EXISTING	VT. HWY. DEPT.
(C)	4" x 4" CONC. BOUND	ABOVE 10"	EXISTING	VT. HWY. DEPT.
(D)	1" IRON PIPE	ABOVE 12"	EXISTING	IN STONE WALL
(E)	4" x 4" CONC. BOUND	ABOVE 8"	EXISTING	VT. HWY. DEPT.
ADDITIONAL MONUMENTATION USED IN THIS SURVEY IS OFF LOCUS.				

SETBACK RESTRICTION
FRONT - 50' SIDE - 30' REAR - MIN 50'

MAX. BUILDING HEIGHT - 30' MAX. BUILDING COVERAGE - 10%

FLOOD NOTE:
BY GRAPHIC PLOTTING ONLY, THIS PROPERTY APPEAR TO BE IN ZONE "C" OF THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBER 500013 0005 C, WHICH BEARS AN EFFECTIVE DATE OF JUNE 17,1986. THIS IS NOT A SPECIAL FLOOD HAZARD AREA.

EASEMENT & RIGHT-OF-WAY NOTES:

1. WILLLOW ROAD (TOWN HIGHWAY NO. 18) IN THE AREA OF THE SUBJECT PROPERTY IS A CLASS 4 PAVED ROADWAY. THAT PORTION OF THE SAID WILLLOW ROAD NOTED AS CLASS 4 IS PLUMPTRE ROAD TO THE WEST TO THE POINT WHERE IT PLACES THE PROXIMATE TERMINUS AT OR NEAR THE SOUTHERLY LINE OF THE PROPERTY DEPICTED HEREON. THE ORIGINAL WIDTH OF THE ROADWAY AS LAID OUT COULD NOT BE DETERMINED AND THUS BY VERMONT STATUTE THE LIMITS OF WILLLOW ROAD WERE SURVEYED AT 1-1/2 RDS (24.75') FROM THE CENTERLINE OF THE ROADWAY.
2. REFERENCE IS MADE TO THE DEEDS OF MYRA VAN NOSTRAND TO PHILIP & MARIAN VAN NOSTRAND (PREDECESSORS IN TITLE TO WARD) DATED DECEMBER 28, 1990 AND MARCH 14, 1991 AND RECORDED IN BK-0-288 AT PG. 247 AND BK. 0-289 AT PG. 213 RESPECTIVELY. THE FIRST DEED CONVEYED THE DEED TO THE SAID PHILIP & MARIAN VAN NOSTRAND WITH AN EASEMENT FOR INGRESS, EGRESS, & UTILITY LINES 16.5' WIDE AND 62.15' LONG IN THE AREA INDICATED. THE SECOND CONVEYING THE REMAINING 1/2 INTEREST. THEREFORE REFERENCE IS MADE TO THE DEED DATED NOVEMBER 10, 1994 AND RECORDED IN BK. 0-316 AT PG. 200. THIS DEED CONVEYS THE QUIT-CLAIM TO THE SAID PHILIP & MARIAN VAN NOSTRAND OF THE RIGHTS RESERVED BY THE SAID MYRA VAN NOSTRAND. IT IS MY OPINION THAT THIS EASEMENT NO LONGER ENCUMBERS THE SUBJECT PROPERTY.

THIS SURVEY WAS PREPARED FOR AND IS CERTIFIED TO ECOS ENERGY, LLC.

 VERMONT SURVEY CONSULTANTS, LLC LAND SURVEYING - MAPPING - SUBDIVISIONS 69 GROVE STREET RUTLAND, VERMONT 05701 (802) 773-2210			
<u>ALTA/ACSM LAND TITLE SURVEY</u>			
PROPERTY OF JONATHAN M. & MICHELLE M. W TO BE CONVEYED TO ECOS ENERGY, LLC			
1031 WILLLOW ROAD & U.S. ROUTE 7 TOWN OF BENNINGTON - COUNTY OF BENNINGTON STATE OF VERMONT			
PROJ. NO: 2013-25		DRAWN BY: KJB	
SCALE: 1" = 100 FT.		DATE: AUGUST 2, 2013	
		SHEET 1 OF 1	

PIER / RACKING INFORMATION

MODEL: CABLOFIL-FAS RACK PV SYSTEM.
SPECIFICATIONS:
1. PORTRAIT ORIENTATION
2. 30° FIXED TILT, ORIENTED DUE SOUTH WITH MAX GROUND CLEARANCE OF 18"

PIER STRUCTURAL DESIGN TO BE CONFIRMED BY GEOTECH/LOCAL CODES:
1. PIER TO BE W 6x8.5 STEEL I BEAM W/ ONE FLANGE REMOVED
2. OVERALL PIER LENGTH XX' WITH XX' EMBEDMENT
3. PIER SPACING TO BE 84± (7.0)±
4. COPED FLANGES TO BE FLUSH WITH WEB FACE

PIER INSTALLATION MAX TOLERANCES:
1. LINEAR ± 0.015'
2. ANGLE ± 1°

GENERAL NOTES

- BACKGROUND SURVEY INFORMATION FOR THIS PROJECT PROVIDED BY VERMONT SURVEY CONSULTANTS, LLC.
- REFER TO ALTA SURVEY FOR LOT BEARINGS, DIMENSIONS AND AREAS.
- GEOTECHNICAL REPORTS HAVE BEEN PREPARED BY XXX CONSULTANTS, INC. THE CONTRACTOR SHALL BE FAMILIAR WITH THE REPORTS AND SHALL REVIEW ALL RECOMMENDATIONS.
- ALL DIMENSIONS ARE TO EDGE OF GRAVEL, FENCE LINES AND PERPENDICULAR TO PROPERTY LINES UNLESS OTHERWISE NOTED.

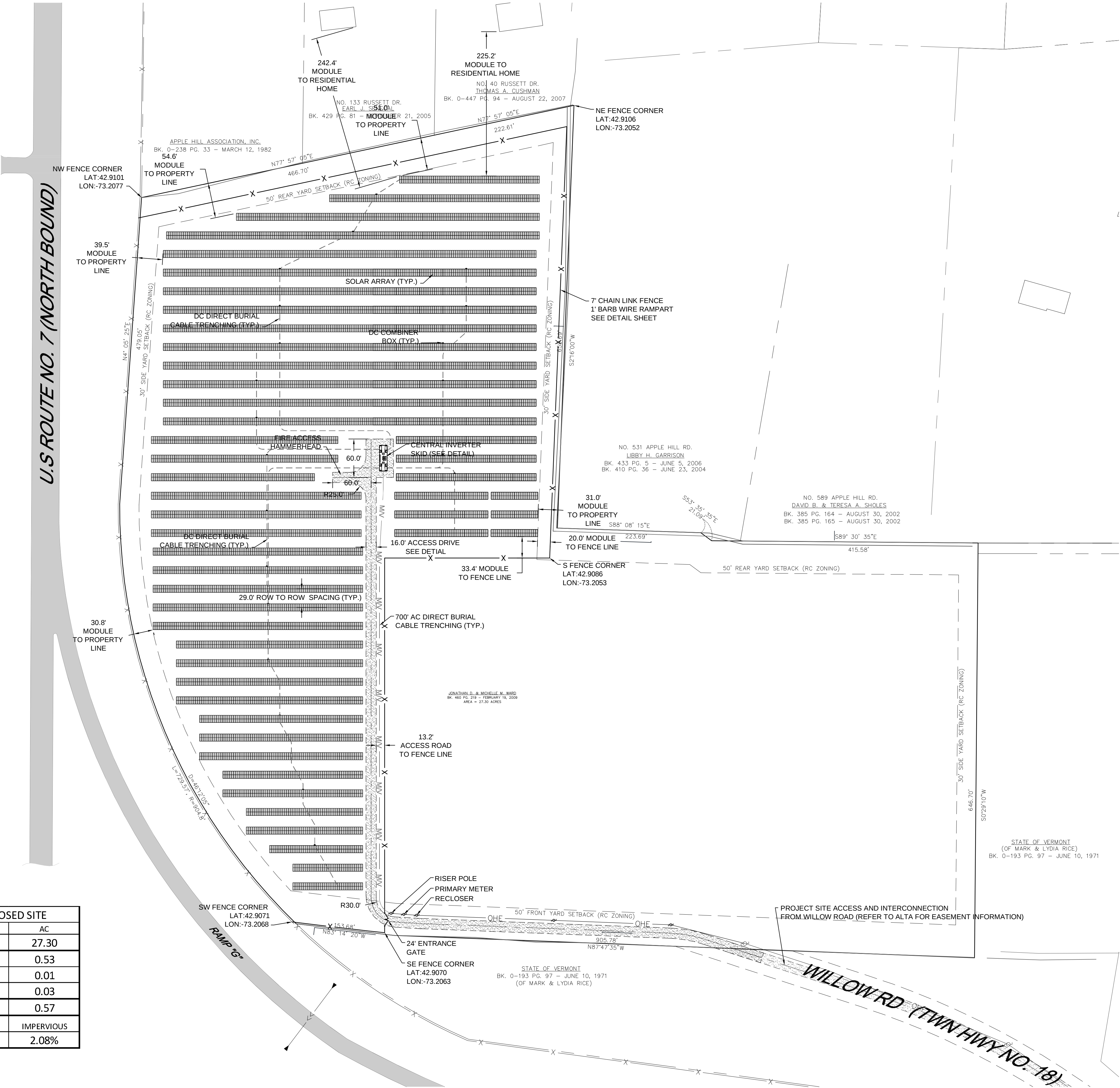
EROSION CONTROL NOTES

- PRIOR TO CONSTRUCTION OWNER TO OBTAIN A CONSTRUCTION GENERAL PERMIT (3-9020) ISSUED BY THE VTANR. TYPICAL BMPS ARE ILLUSTRATED ON THE PLANS.
- TOTAL PROPOSED IMPERVIOUS FOR THE PROJECT IS LESS THAN 1 AC, THEREFORE THE PROJECT WILL NOT REQUIRE AN OPERATIONAL STORMWATER PERMIT (GENERAL PERMIT 3-9015)

LEGEND:

- EXISTING PROPERTY LINE
- PROPOSED SETBACK
- PROPOSED FENCE
- PROPOSED GRAVEL ACCESS ROAD
- PROPOSED SOLAR ARRAY BLOCK
2 STRINGS - 11 MODULES
- M/V AC DISTRIBUTION TRENCH
- DC DISTRIBUTION TRENCH

IMPERVIOUS CALCULATIONS	EXISTING SITE		PROPOSED SITE	
	SF	AC	SF	AC
TOTAL SITE AREA	1189164	27.30	1189164	27.30
GRAVEL ACCESS ROAD			23190	0.53
RACKING FOUNDATIONS			500	0.01
INVERTER SKID AREA			1100	0.03
TOTAL IMPERVIOUS	0	0.00	24790	0.57
PERCENTAGES	PERVIOUS	IMPERVIOUS	PERVIOUS	IMPERVIOUS
	100.00%	0.00%	97.92%	2.08%



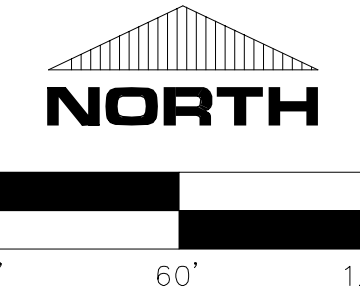
222 SOUTH 9TH STREET
SUITE 1600
MINNEAPOLIS, MN 55402

REVISION LOG:

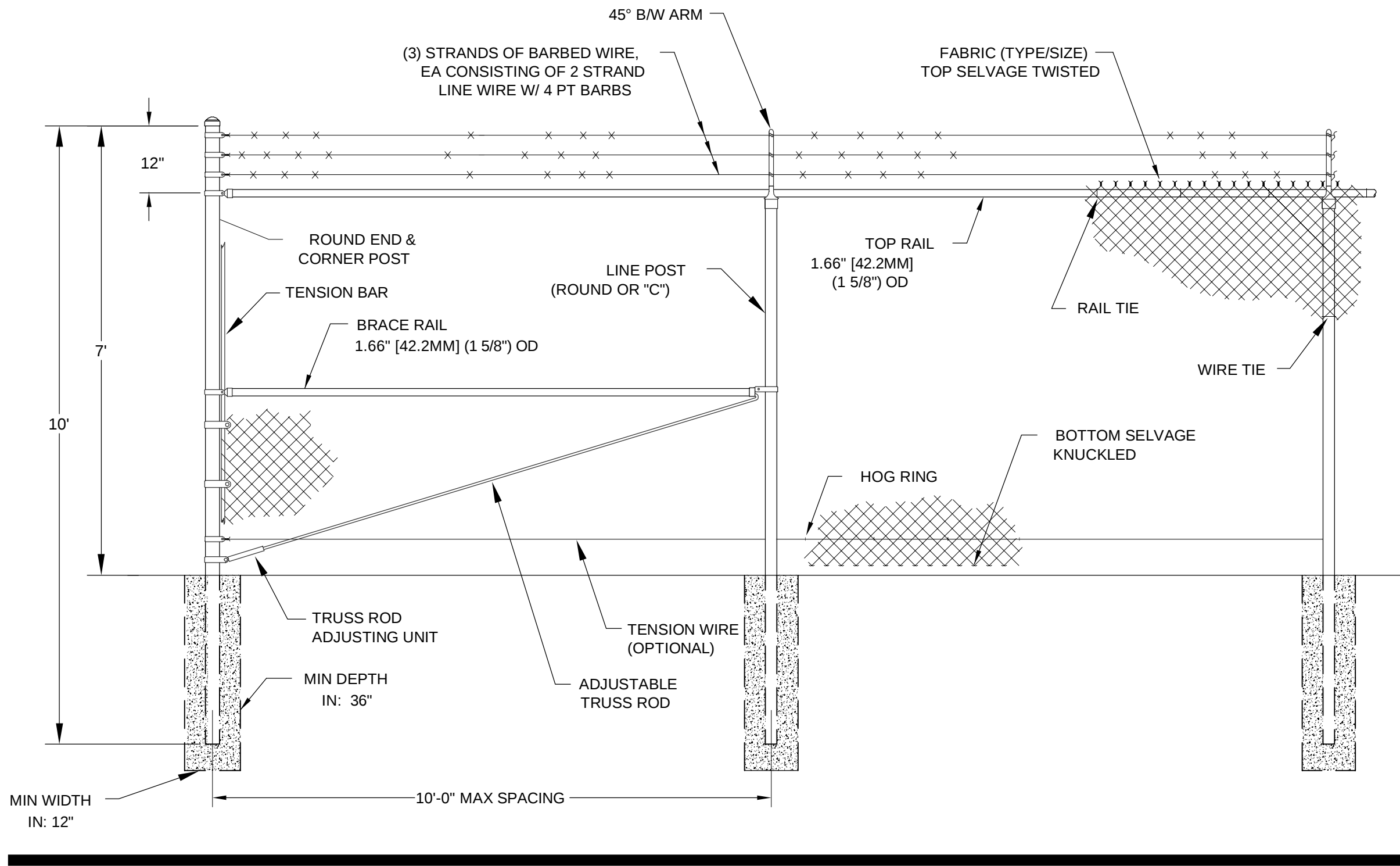
2/3/2014 - 45 DAY NOTICE DOCUMENTS

I hereby certify this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer in the State of Minnesota.

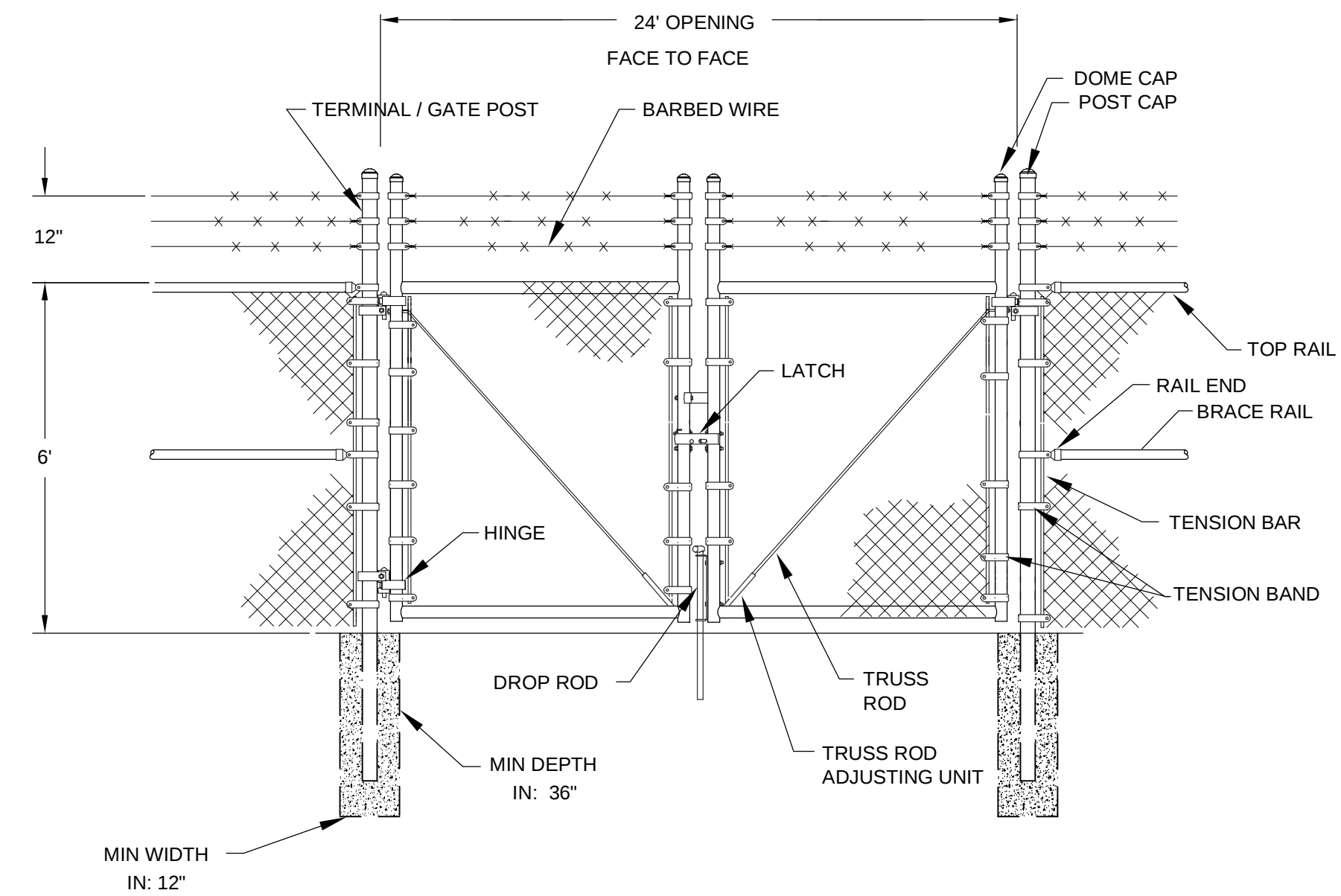
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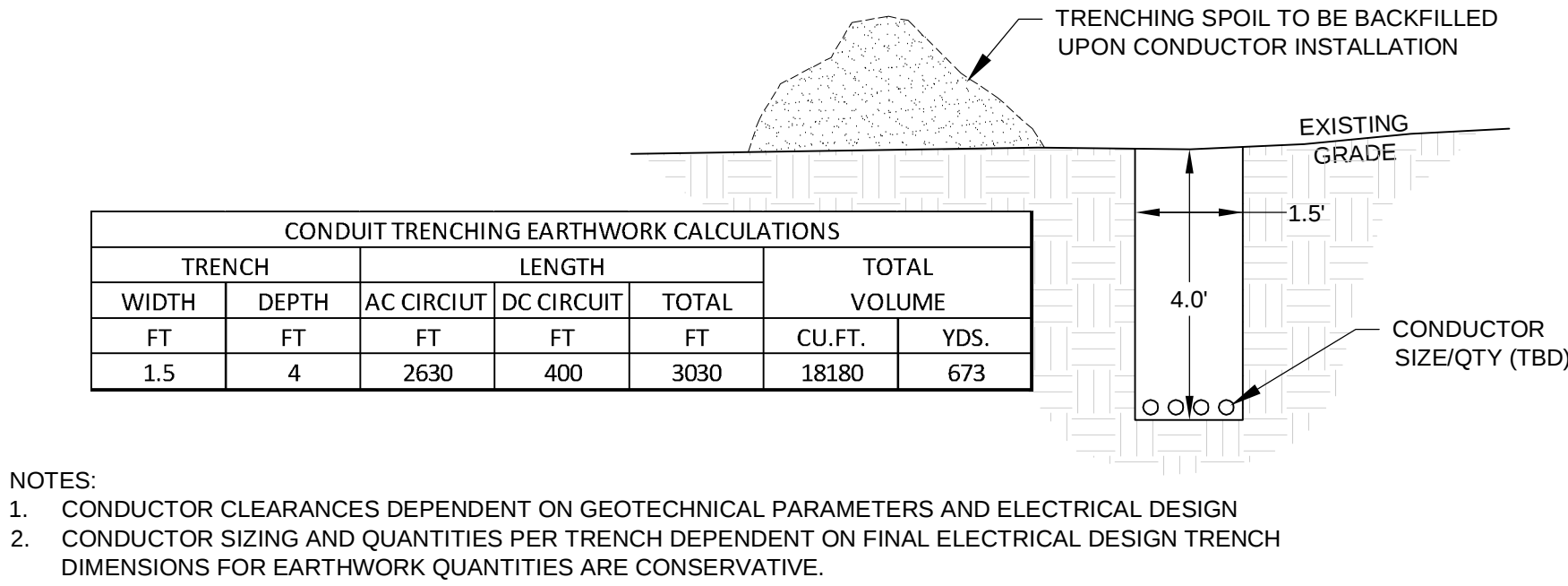
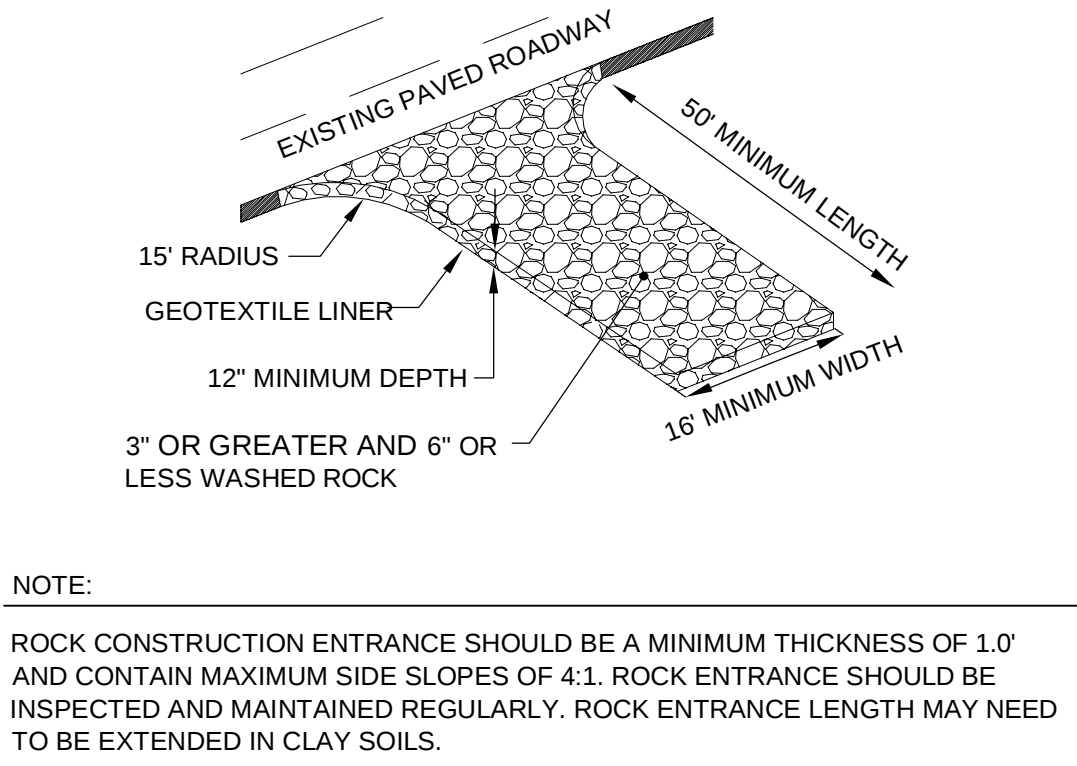
CHELSEA SOLAR
45 DAY NOTICE DOCUMENTS
1033 Willow Road
BENNINGTON, VT 05201
LAT:42.9093 / LON:-73.2066
BENNINGTON COUNTY
CIVIL SITE PLAN



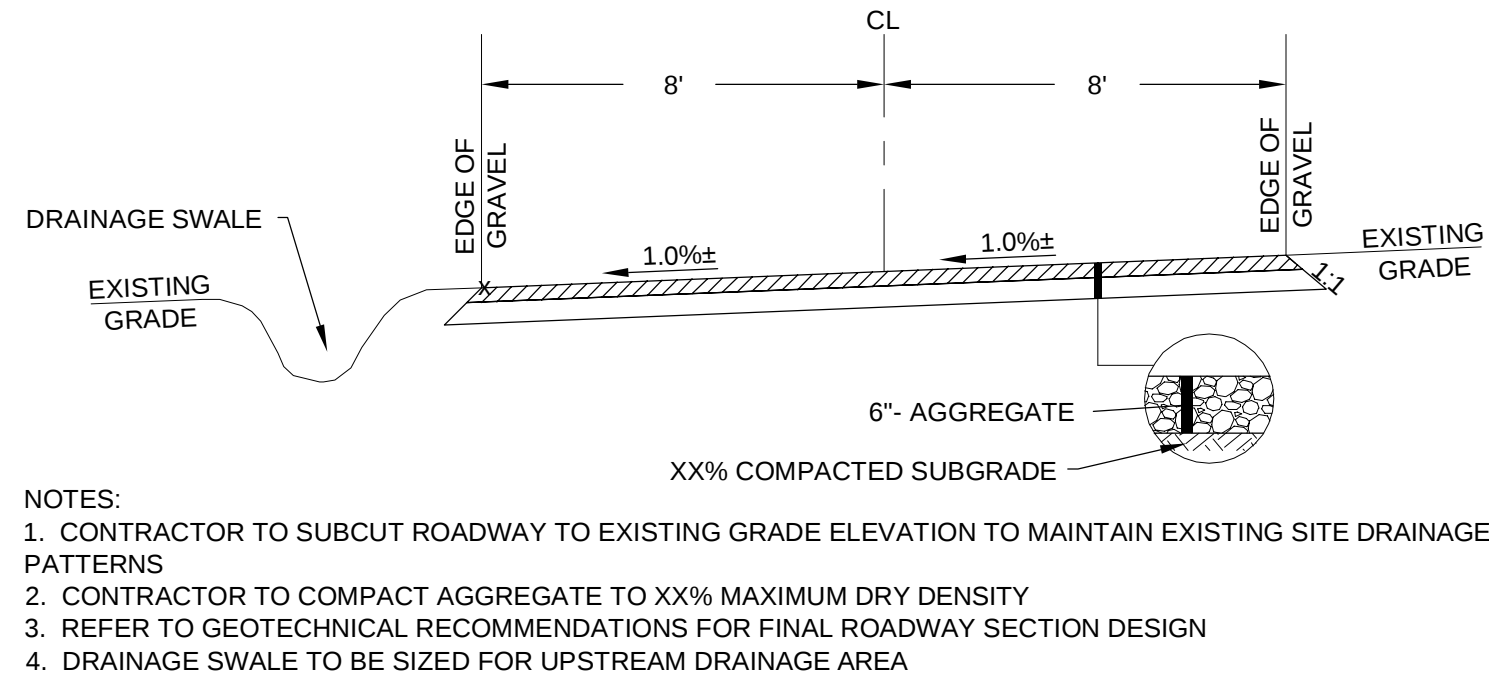
FENCE DETAIL



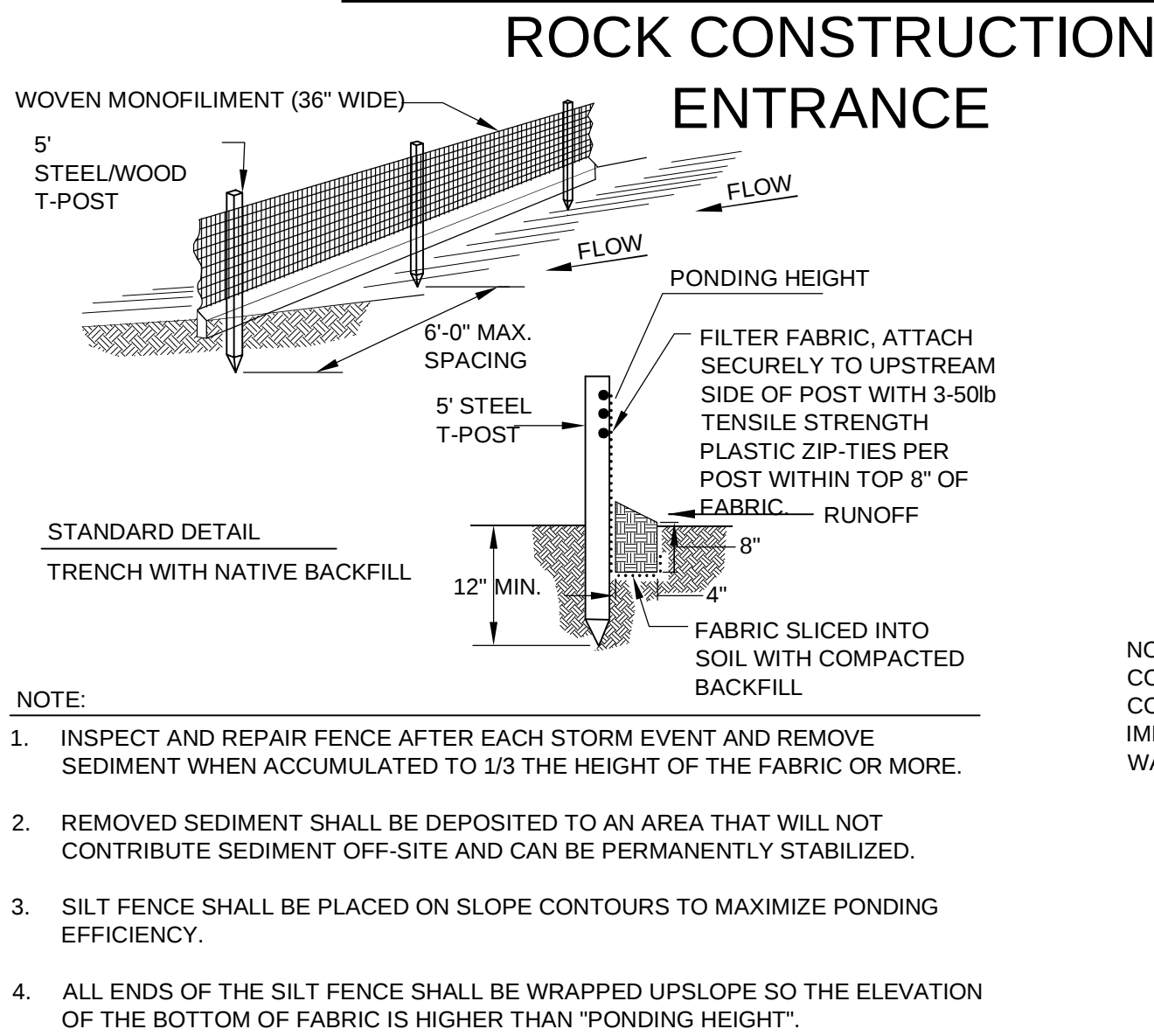
ACCESS GATE DETAIL



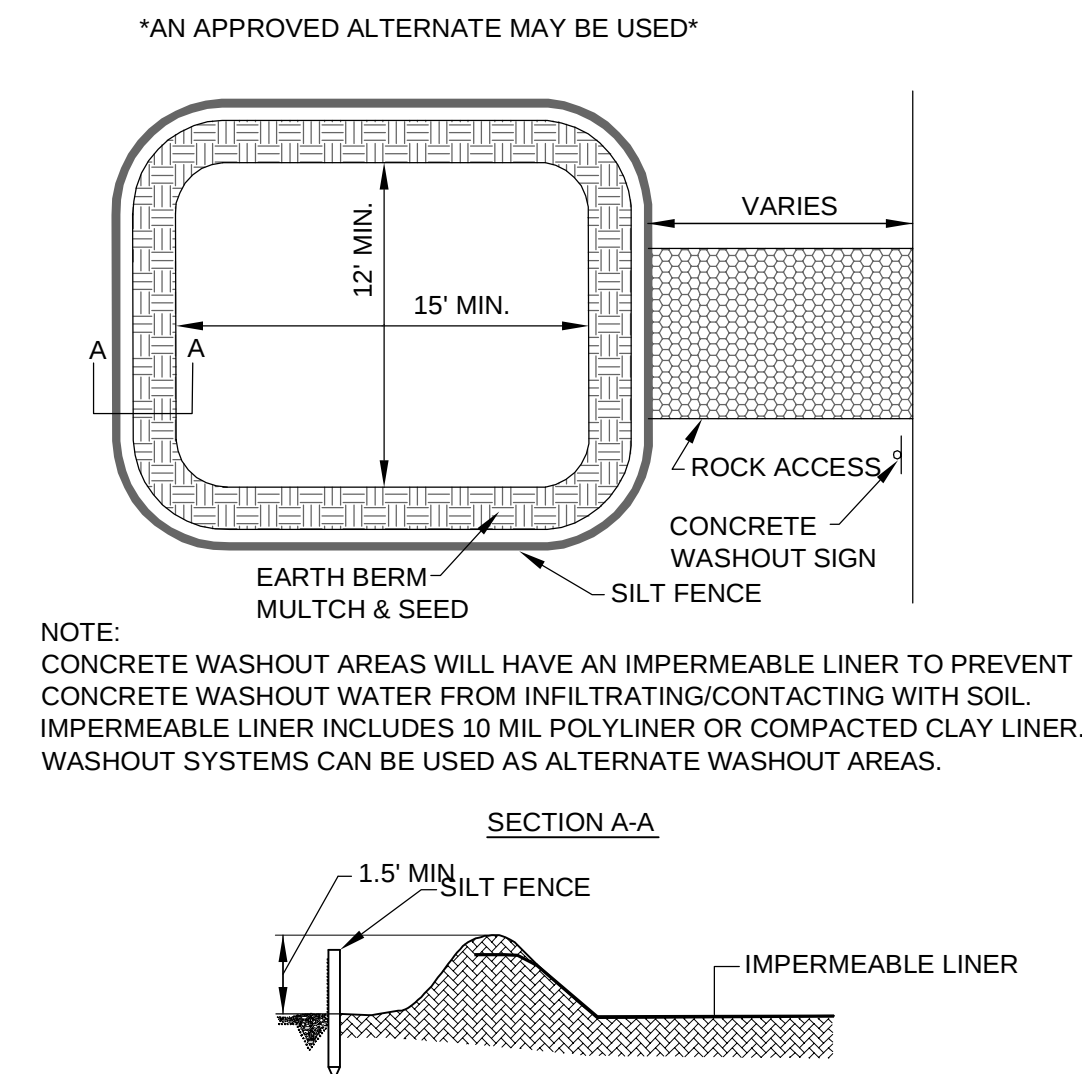
TRENCHING DETAIL



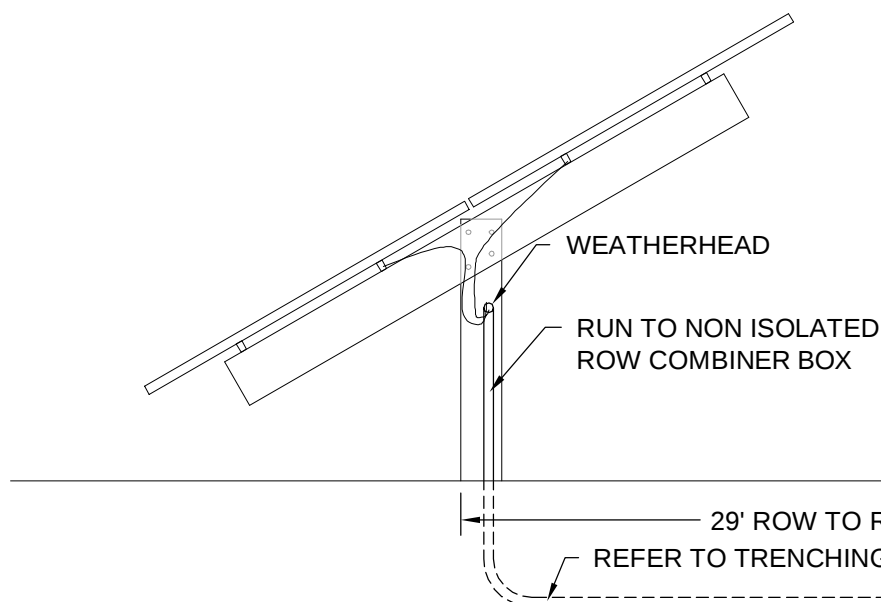
ACCESS ROAD DETAIL



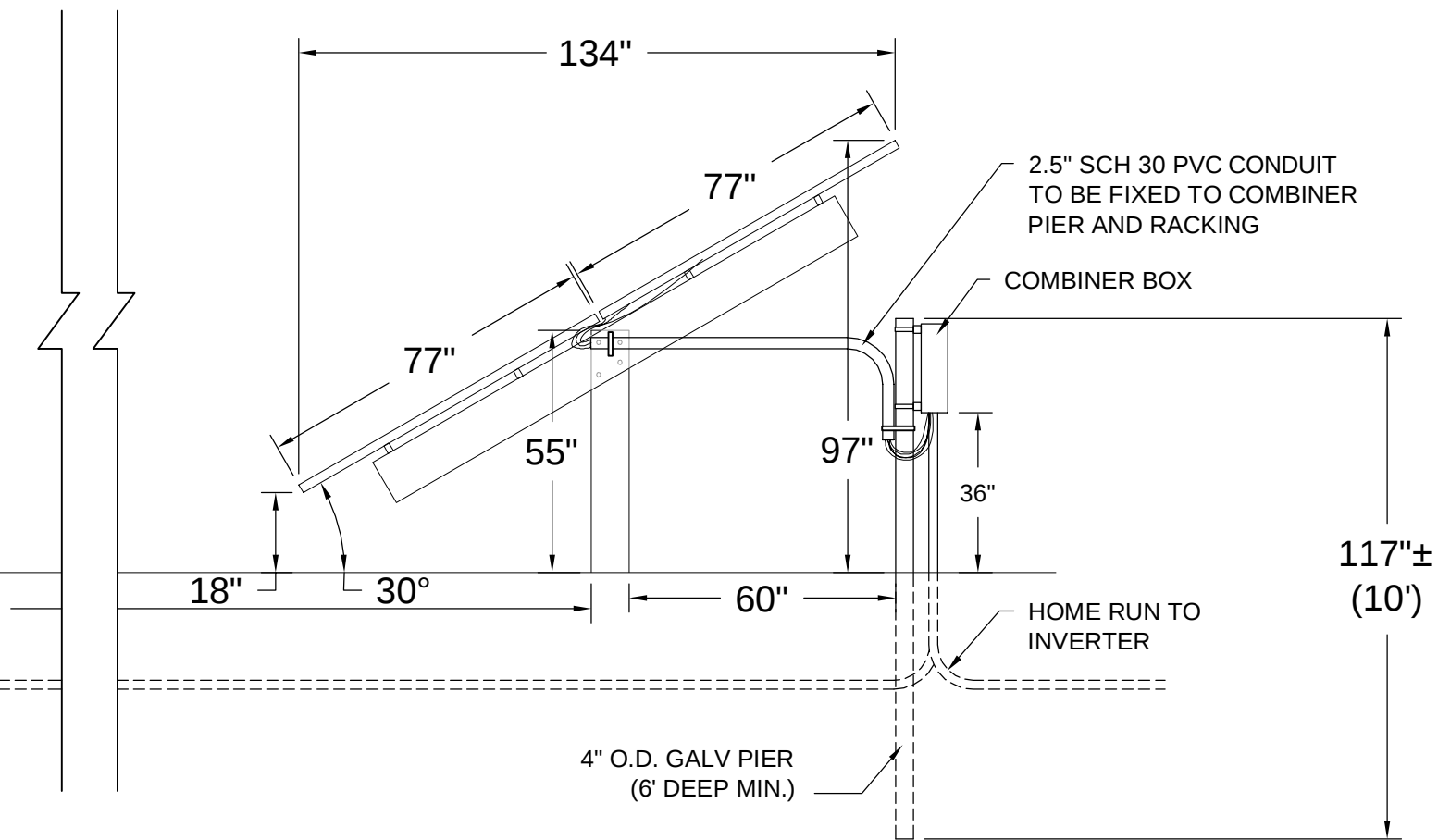
SILT FENCE



CONCRETE WASHOUT AREA

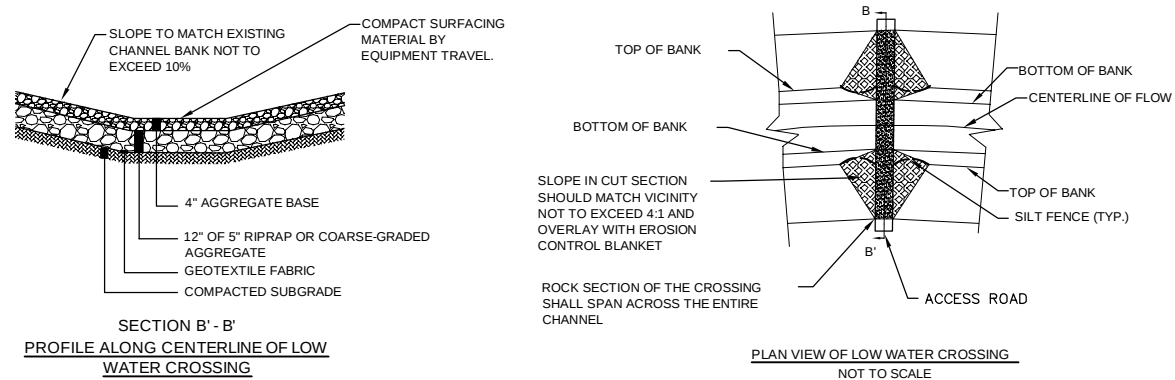


ARRAY CROSS SECTION - COMBINER BOX MOUNTING DETAIL



EROSION CONTROL NOTES

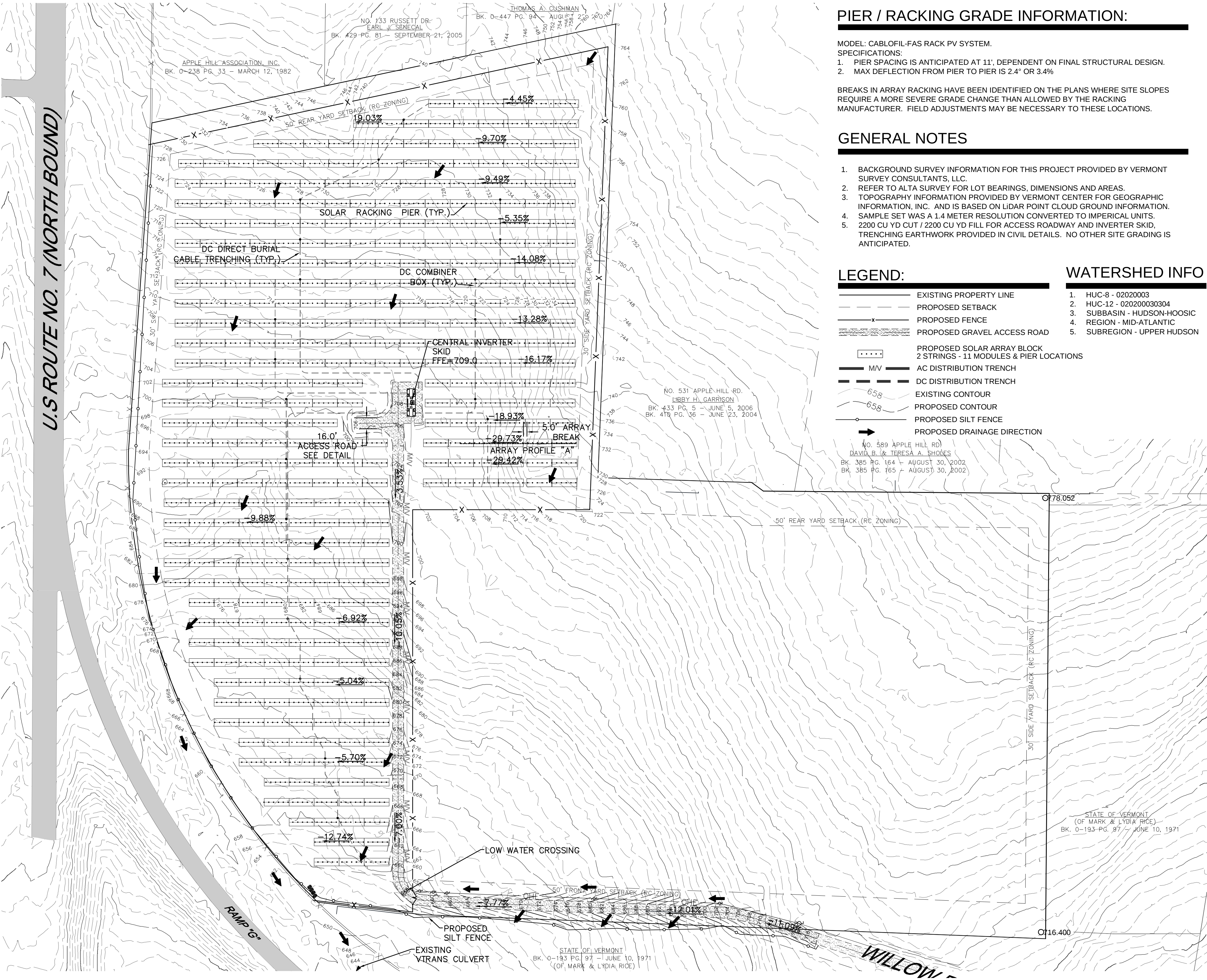
- THE OWNER/CONTRACTOR SHALL ADHERE TO ALL EROSION PREVENTION SEDIMENT CONTROL PLAN (EPSC) REQUIREMENTS AND ANY PERMIT CONDITIONS OF THE PUBLIC SERVICE BOARD.
- THE OWNER/CONTRACTOR SHALL FOLLOW THE GUIDANCE AND CONDITIONS IN THE STATE CONSTRUCTION GENERAL PERMIT 3-9020, THE VERMONT EPSC FIELD GUIDE AND THE LOW RISK SITE HANDBOOK FOR EPSC. THIS LOW RISK AUTHORIZATION INCLUDES THE FOLLOWING REQUIREMENTS:
 - IMPLEMENTATION OF EROSION PREVENTION AND SEDIMENT CONTROL PRACTICES REQUIRED BY THE LOW RISK SITE HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL.
 - ALL AREAS OF DISTURBANCE MUST HAVE TEMPORARY OR FINAL STABILIZATION WITHIN 14 DAYS OF THE INITIAL DISTURBANCE. AFTER THIS TIME, ANY DISTURBANCE IN THE AREA MUST BE STABILIZED AT THE END OF EACH WORK DAY. THE FOLLOWING EXCEPTIONS APPLY:
 - STABILIZATION IS NOT REQUIRED IF WORK IS TO CONTINUE IN THE AREA WITHIN THE NEXT THE NEXT 24 HOURS AND THERE IS NO PRECIPITATION IN THE FORECAST WITHIN THE NEXT 24 HOURS.
 - STABILIZATION IS NOT REQUIRED IF THE WORK IS OCCURRING IN AN SELF CONTAINED EXCAVATION (I.E. NO OUTLET) WITH A DEPTH OF 2 FEET OR GREATER (E.G. FOUNDATION EXCAVATIONS, UTILITY TRENCHES).
 - NO MORE THAN 1.1 ACRES OF LAND MAY BE DISTURBED UNDER THIS AUTHORIZATION WITHOUT PRIOR APPROVAL FROM THE SITE ENGINEER.
 - INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A RAIN EVENT RESULTING IN DISCHARGE OF STORMWATER FROM THE CONSTRUCTION SITE.
 - IF THERE IS A DISCHARGE OF VISIBLY DISCOLORED STORMWATER FROM THE CONSTRUCTION SITE OR FROM THE SITE TO THE WATERS OF THE STATE, THE PERMITTEE SHALL TAKE IMMEDIATE CORRECTIVE ACTION.
 - IF AFTER COMPLETING CORRECTIVE ACTION, THERE CONTINUES TO BE A DISCHARGE OF SEDIMENT FROM THE SITE TO THE WATERS OF THE STATE THE PERMITTEE SHALL NOTIFY THE DEC BY SUBMITTING A REPORT WITHIN 72 HOURS OF THE DISCHARGE.
- IMPLEMENTING A SUCCESSFUL EPSC, THE OWNER/CONTRACTOR SHALL SEEK TO:
 - PREVENT EROSION AND THE TRANSPORT OF SEDIMENT OFF SITE ONTO PUBLIC STREETS AND SIDEWALKS, INTO THE MUNICIPAL STORMWATER SYSTEM, AND/OR WATERS OF THE STATE.
 - PREVENT PARKING OF ANY CONSTRUCTION OR CONSTRUCTION RELATED VEHICLES ON MUNICIPAL OWNED GREEN SPACE. DAMAGE TO GREEN SPACE SHALL BE IMMEDIATELY ADDRESSED.
 - TAKE ANY AND ALL STEPS NECESSARY TO ABATE EROSION AND TO CLEAN UP ALL RESULTING SEDIMENT DEPOSITED, DISCHARGED OR FOUND TO EXIST OFF SITE, ON TOWN STREETS AND SIDEWALKS AND/OR IN THE MUNICIPAL STORMWATER SYSTEM.
 - MAINTAIN PROJECT EROSION PREVENTION AND SEDIMENT CONTROL DEVICES/MEASURES AND PERFORM REQUISITE CLEANUP OS RESULTING SEDIMENTATION. THIS MAY INCLUDED BUT IS NOT LIMITED TO, DAILY SWEEPING OF STREETS AND SIDEWALKS AND CLEANING ANY STORMWATER CATCH BASINS.
 - SPECIFY AN APPROPRIATE MULCH WHEN AND WHERE NEEDED AND ADEQUATE ANCHORING MEASURES TO PREVENT BLOW AWAY
 - SPECIFY AN EFFECTIVE GRASS REVEGETATION PROGRAM. TURF REPLACEMENT IS RECOMMENDED IN AREAS WHERE REVEGETATION OF GRASS PROVES DIFFICULT WITH SEEDING AND MULCH. TO REESTABLISH ALL EXISTING AND PROPOSED GREEN SPACE AND WHERE PRACTICAL CONSIDER POROUS (PERVIOUS) PAVERS.
 - BE PROACTIVE IN PLANNING AND EXECUTING CONSTRUCTION PHASE ACTIVITIES WITH THE GOAL OF PREVENTING EROSION AND CONTROLLING SEDIMENT.
 - IDENTIFY PARTIES TO THE EPSC PLAN AND CLEARLY DEFINE THEIR RESPECTIVE ROLES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, THE CONTRACTOR, THE ON SITE COORDINATOR, THOSE RESPONSIBLE FOR PROJECT ADHERENCE TO THE EPSC, AND THOSE PARTICIPATING IN INSPECTIONS AND ACCEPTANCE OF FINAL STABILIZATION.
- AT THE OUTSET OF CONSTRUCTION AND ESPECIALLY WHERE SITE DISTURBANCES ARE TO OCCUR, THE OWNER/CONTRACTOR SHALL TAKE APPROPRIATE STEPS AND MEASURES TO DEFINE THE OVERALL STRATEGY FOR THE EPSC PLAN BY:
 - LIMITING ACTUAL DISTURBANCE AREA AND TIMING OF DISTURBANCE: THIS PROJECT, EXCEPT FOR THE ACCESS DRIVE, REQUIRES NO GRADING OR SITE REGRADING AND LIMITED EXCAVATION (TRENCHING SHALL BE ACCOMPLISHED BY A "DITCH WITCH" EXCAVATOR WHERE EVER POSSIBLE).
 - EMPLOYING PROPER SITE STABILIZATION (ADDRESSING SOIL PREPARATION FOR FINAL SEEDING AND LANDSCAPING, SEED AND MULCH).
 - INSTALLING STONE AND/OR GRASS SWALE LINING, TEMPORARY OR PERMANENT, WHERE APPROPRIATE.
 - EMPLOYING EROSION CONTROL BLANKETS OR MATS, TEMPORARY OR PERMANENT, WHERE APPROPRIATE.
 - INSTALLING AND MAINTAINING SILT FENCE AND CONSTRUCTION BARRIER FENCING.
- TO SUCCESSFULLY IMPLEMENT THE PROJECT EPSC PLAN IN ACCORDANCE WITH THE PROJECT 3-9020 CGP, THE OWNER/CONTRACTOR SHALL:
 - IDENTIFY THE CONTRACTOR WHO IS RESPONSIBLE FOR INSTALLING, IMPLEMENTING, AND MAINTAINING THE EPSC PLAN AND MEASURES.
 - IDENTIFY THE ONSITE CONTRACTOR WHO IS RESPONSIBLE FOR THE DAY-TO-DAY MONITORING, OVERSIGHT, AND INSPECTIONS REQUIRED BY THE EPSC PLAN.
 - ASSURE THAT ANY AMENDMENTS TO THE PROJECT EPSC PLAN ARE FILED WITH THE APPROPRIATE AGENCIES.
 - PROVIDED THAT THE EROSION CONTROL MEASURES REMAIN IN PLACE UNTIL VEGETATION HAS BECOME ESTABLISHED ON ALL DISTURBED SURFACES AND CLEARLY IDENTIFY UNDER WHAT CONDITIONS FINAL SITE STABILIZATION HAS OCCURRED.
 - PROVIDE A PROCESS WHEREBY THE PUBLIC SERVICE BOARD PARTICIPATES IN THE FINAL SITE STABILIZATION PROGRAM IF THE PROJECT CERTIFICATE OF PUBLIC GOOD REQUIRES.
- AS PART OF DECOMMISSIONING THE FACILITY, THE OWNER SHALL IMPLEMENT THE MEASURES OUTLINED IN THE PROJECT CERTIFICATE OF PUBLIC GOOD SOIL RECLAMATION PLAN.



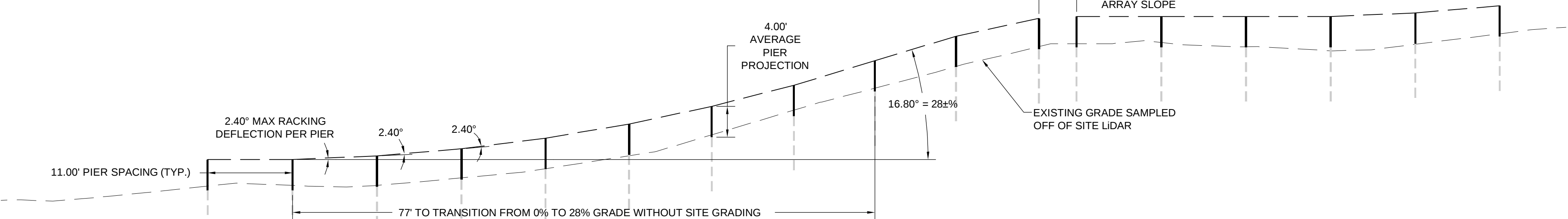
NOTE:

- CROSSINGS SHALL HAVE THE TOP-MOST SURFACE LAYER EVEN OR BELOW THE ELEVATION OF THE EXISTING WETLAND.
- THE ACCESS ROAD SHALL CROSS THE CONVEYANCE AT 90° ANGLE.
- THE TOP BED OF THE ROCK CHANNEL CROSSING SHALL CONFORM TO THE EXISTING DITCH CROSS SECTIONAL SLOPES.
- THE TOP BED OF THE ROCK CHANNEL CROSSING SHALL CONFORM TO THE EXISTING DITCH CROSS SECTIONAL SLOPES.
- MATERIAL THICKNESSES MAY BE FIELD ADJUSTED TO ACHIEVE SUFFICIENT BEARING CAPACITIES AS ARE NECESSARY FOR ANTICIPATED ROAD USE.

LOW WATER CROSSING



ARRAY PROFILE "A" - 1"=10' (NO VERTICAL EXAGGERATION)



PIER / RACKING GRADE INFORMATION:

MODEL: CABLOFIL-FAS RACK PV SYSTEM.

SPECIFICATIONS:

- PIER SPACING IS ANTICIPATED AT 11', DEPENDENT ON FINAL STRUCTURAL DESIGN.
- MAX DEFLECTION FROM PIER TO PIER IS 2.4" OR 3.4%

BREAKS IN ARRAY RACKING HAVE BEEN IDENTIFIED ON THE PLANS WHERE SITE SLOPES REQUIRE A MORE SEVERE GRADE CHANGE THAN ALLOWED BY THE RACKING MANUFACTURER. FIELD ADJUSTMENTS MAY BE NECESSARY TO THESE LOCATIONS.

GENERAL NOTES

- BACKGROUND SURVEY INFORMATION FOR THIS PROJECT PROVIDED BY VERMONT SURVEY CONSULTANTS, LLC.
- REFER TO ALTA SURVEY FOR LOT BEARINGS, DIMENSIONS AND AREAS.
- TOPOGRAPHY INFORMATION PROVIDED BY VERMONT CENTER FOR GEOGRAPHIC INFORMATION, INC. AND IS BASED ON LIDAR POINT CLOUD GROUND INFORMATION.
- SAMPLE SET WAS A 1.4 METER RESOLUTION CONVERTED TO IMPERICAL UNITS.
- 2200 CU YD CUT / 2200 CU YD FILL FOR ACCESS ROADWAY AND INVERTER SKID, TRENCHING EARTHWORK PROVIDED IN CIVIL DETAILS. NO OTHER SITE GRADING IS ANTICIPATED.

LEGEND:

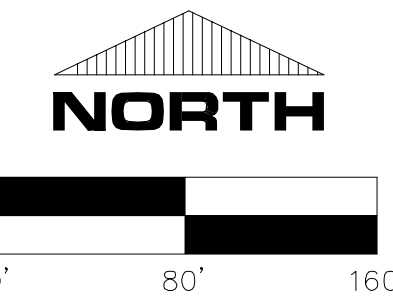
- EXISTING PROPERTY LINE
- PROPOSED SETBACK
- PROPOSED FENCE
- PROPOSED GRAVEL ACCESS ROAD
- PROPOSED SOLAR ARRAY BLOCK
- 2 STRINGS - 11 MODULES & PIER LOCATIONS
- AC DISTRIBUTION TRENCH
- DC DISTRIBUTION TRENCH
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SILT FENCE
- PROPOSED DRAINAGE DIRECTION

WATERSHED INFO

- HUC-8 - 02020003
- HUC-12 - 020200030304
- SUBBASIN - HUDSON-HOOSIC
- REGION - MID-ATLANTIC
- SUBREGION - UPPER HUDSON

I hereby certify this plan, specification or report was prepared by me or my direct supervisor, and that I am a duly Licensed Professional Engineer in the State of Vermont.

Reg. No.:



CHELSEA SOLAR
45 DAY NOTICE DOCUMENTS
1033 Willow Road
BENNINGTON, VT 05201
LAT: 42.9093 / LONG: 73.2066
BENNINGTON COUNTY
GRADING PLAN

Sheet: