

BURLINGTON SOLAR ONE, LLC

Prospect Street Burlington, Connecticut



REVISIONS:
10-30-20; Revised Panel Layout

PREPARED FOR: Burlington Solar One, LLC
Verogy VCP, LLC
150 Trumbull Street
Hartford, Connecticut 06103

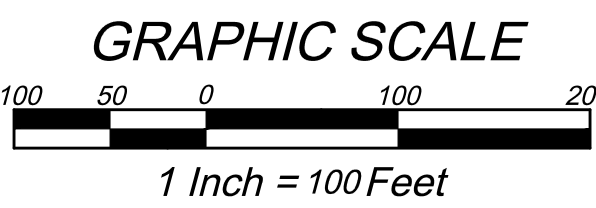
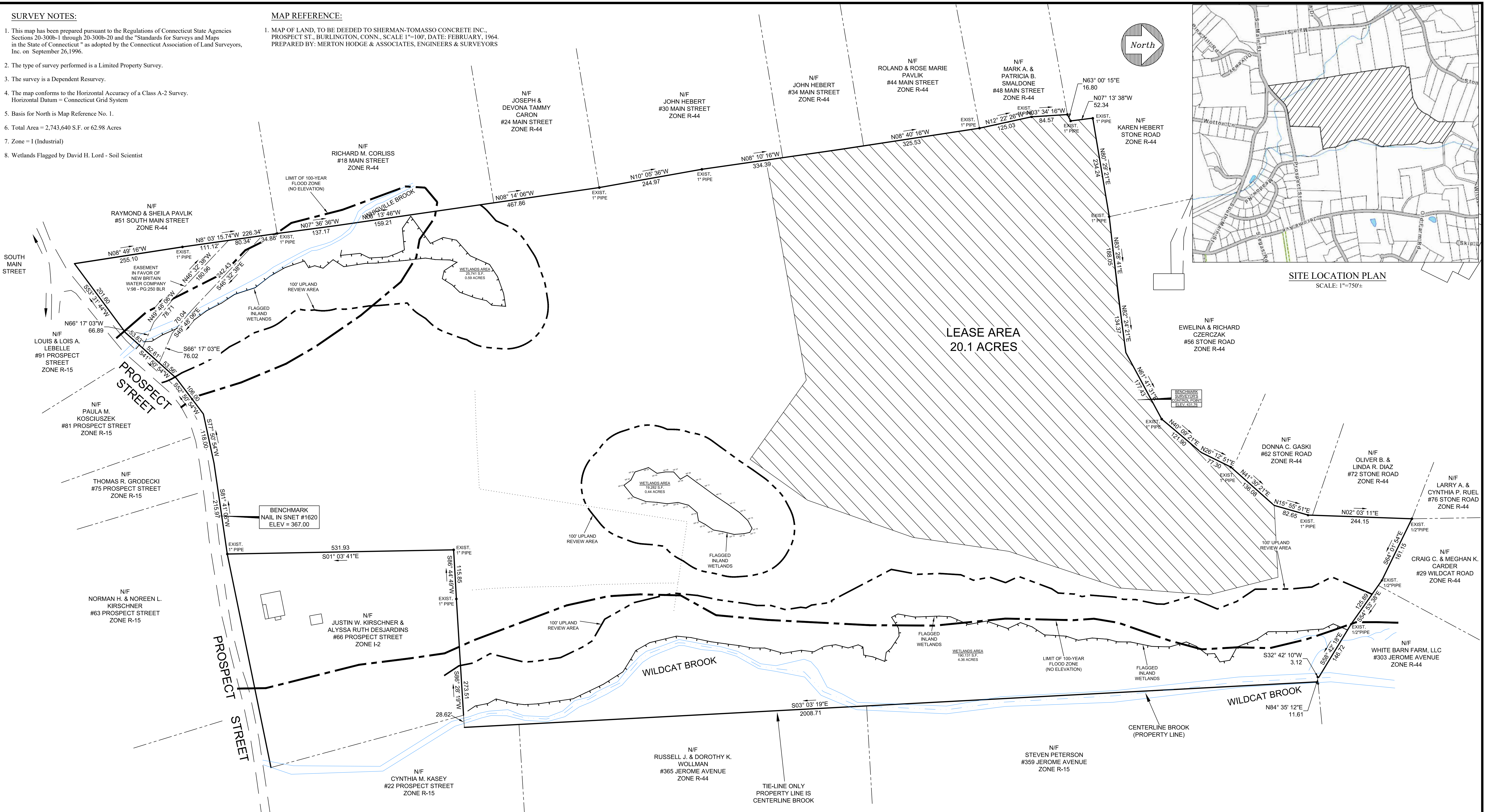
ENGINEER: R. R. Hiltbrand Engineers & Surveyors
575 North Main Street
Bristol, Connecticut
06010

SURVEY NOTES:

1. This map 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 by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996.
2. The type of survey performed is a Limited Property Survey.
3. The survey is a Dependent Resurvey.
4. The map conforms to the Horizontal Accuracy of a Class A-2 Survey. Horizontal Datum = Connecticut Grid System
5. Basis for North is Map Reference No. 1.
6. Total Area = 2,743,640 S.F. or 62.98 Acres
7. Zone = I (Industrial)
8. Wetlands Flagged by David H. Lord - Soil Scientist

MAP REFERENCE:

1. MAP OF LAND, TO BE DEEDED TO SHERMAN-TOMASSO CONCRETE INC., PROSPECT ST., BURLINGTON, CONN., SCALE 1"=100', DATE: FEBRUARY, 1964. PREPARED BY: MERTON HODGE & ASSOCIATES, ENGINEERS & SURVEYORS



UTILITY NOTE:
 LOCATION OF UNDERGROUND UTILITIES DEPICTED HEREON ARE BASED UPON FIELD SURVEY OF VISIBLE SURFACE STRUCTURES SUCH AS CATCH BASINS AND MANHOLES, TOGETHER WITH RECORD MAPPING OBTAINED FROM UTILITY COMPANIES AND GOVERNMENTAL AGENCIES AS NOTED UNDER MAP REFERENCES. THESE LOCATIONS MUST BE CONSIDERED APPROXIMATE IN NATURE. IN ADDITION, OTHER UTILITIES MAY ALSO EXIST, UNKNOWN TO THE SURVEYOR. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. THIS MAP AND SURVEY WERE PREPARED IN ACCORDANCE WITH THE STANDARDS OF A CLASS "A-2" SURVEY AS DEFINED IN THE CODE OF PRACTICE FOR STANDARDS OF ACCURACY OF SURVEYS AND MAPS, ADOPTED SEPT. 26, 1996 AS AMENDED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INCORPORATED.

CARMINE J. MATRASCIA - L.S. # 70219
 NOT VALID WITHOUT EMBOSSED SEAL.

PREPARED FOR:
 Burlington Solar One, LLC
 Verogy VCP, LLC
 150 Trumbull Street
 Hartford, CT 06103

PROPERTY SURVEY
 Lot 33
 Prospect Street
 Burlington, Connecticut
 June 16, 2020

R. R. HILTBRAND ENGINEERS and SURVEYORS
 575 NORTH MAIN STREET BRISTOL, CONNECTICUT 06010 (860) 582 4548

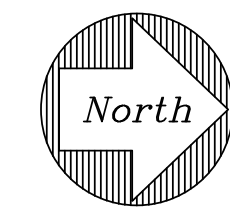
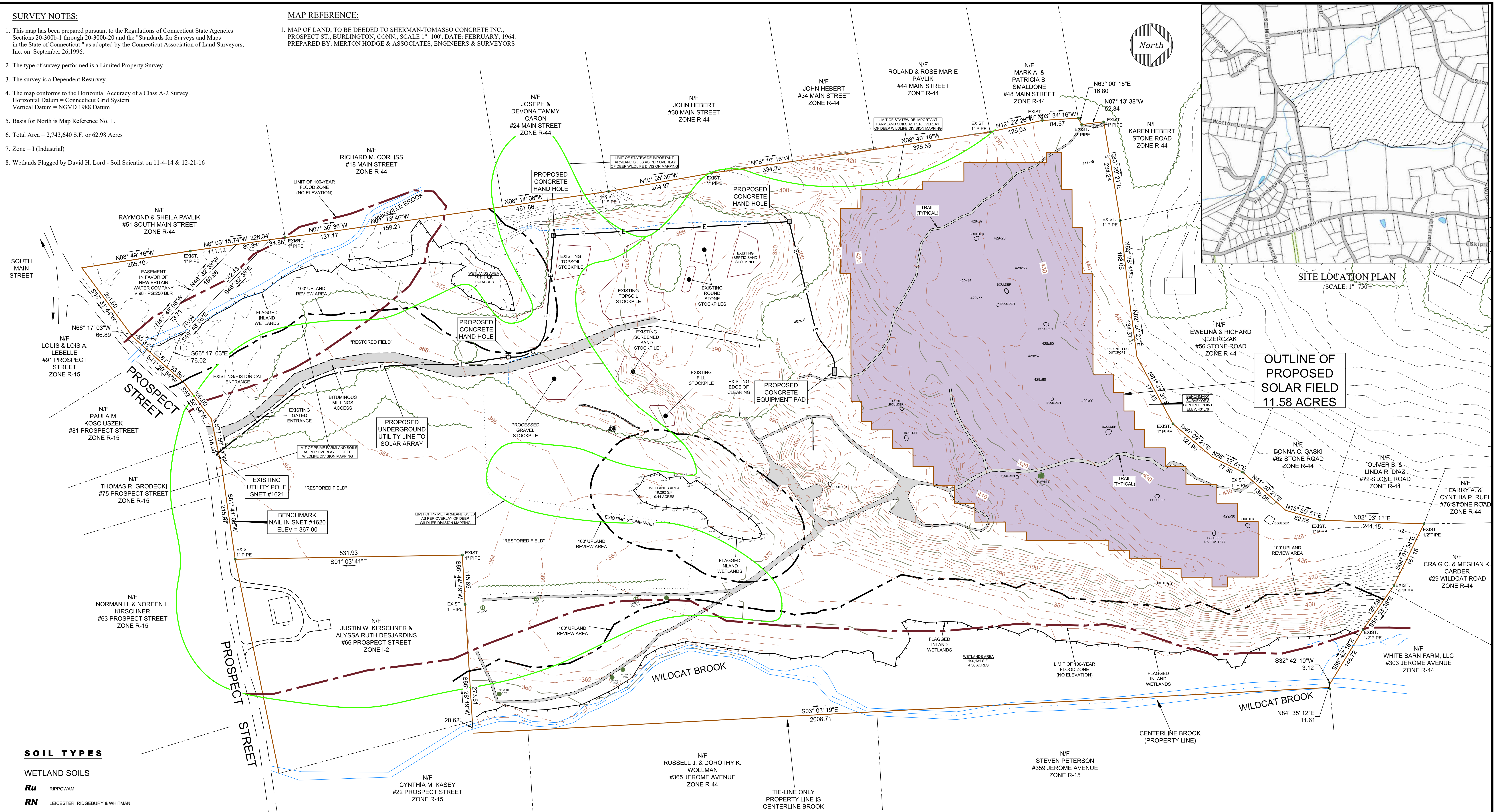
SHEET 2 OF 12

SURVEY NOTES:

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- The type of survey performed is a Limited Property Survey.
- The survey is a Dependent Resurvey.
- The map conforms to the Horizontal Accuracy of a Class A-2 Survey. Horizontal Datum = Connecticut Grid System Vertical Datum = NGVD 1988 Datum
- Basis for North is Map Reference No. 1.
- Total Area = 2,743,640 S.F. or 62.98 Acres
- Zone = 1 (Industrial)
- Wetlands Flagged by David H. Lord - Soil Scientist on 11-4-14 & 12-21-16

MAP REFERENCE:

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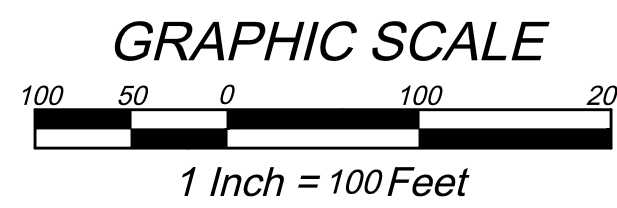


SITE LOCATION PLAN
SCALE: 1"=750'

OUTLINE OF PROPOSED SOLAR FIELD
11.58 ACRES

SOIL TYPES

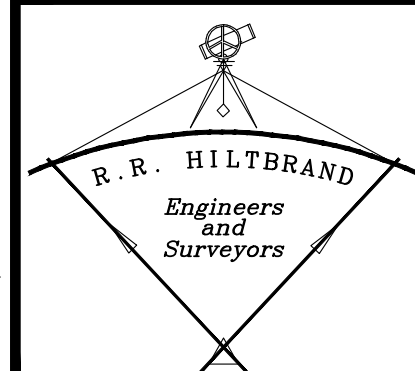
- WETLAND SOILS**
- Ru** RIPPOWAM
 - RN** LEICESTER, RIDGEBURY & WHITMAN
- UPLAND SOILS**
- Af** AGAWAM - SANDY LOAM
 - Hk** HINCKLEY - SANDY LOAM



TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. THIS MAP AND SURVEY WERE PREPARED IN ACCORDANCE WITH THE STANDARDS OF A CLASS "A-2 & T-2" SURVEY AS DEFINED IN THE CODE OF PRACTICE FOR STANDARDS OF ACCURACY OF SURVEYS AND MAPS, ADOPTED SEPT. 26, 1996 AS AMENDED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INCORPORATED.

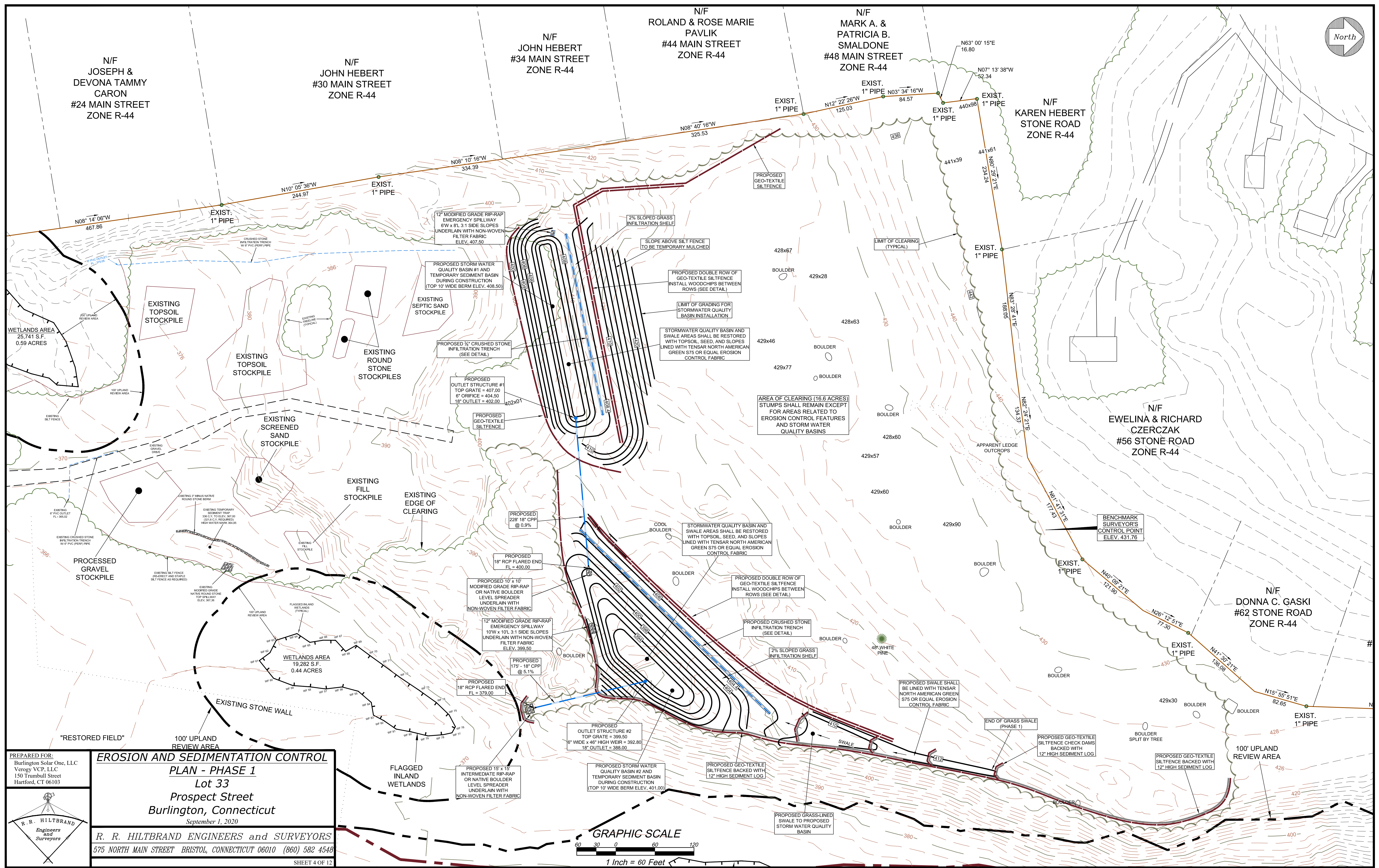
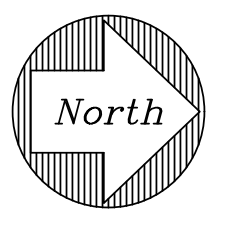
CARMINE J. MATRASCIA - L.S. # 70219
NOT VALID WITHOUT EMBOSSED SEAL.

PREPARED FOR:
Burlington Solar One, LLC
Verogy VCP, LLC
150 Trumbull Street
Hartford, CT 06103



IMPROVEMENT LOCATION SURVEY
Lot 33
Prospect Street
Burlington, Connecticut
September 1, 2020

R. R. HILTBRAND ENGINEERS and SURVEYORS
575 NORTH MAIN STREET BRISTOL, CONNECTICUT 06010 (860) 582 4548

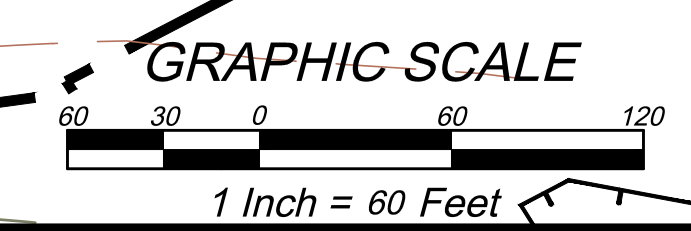


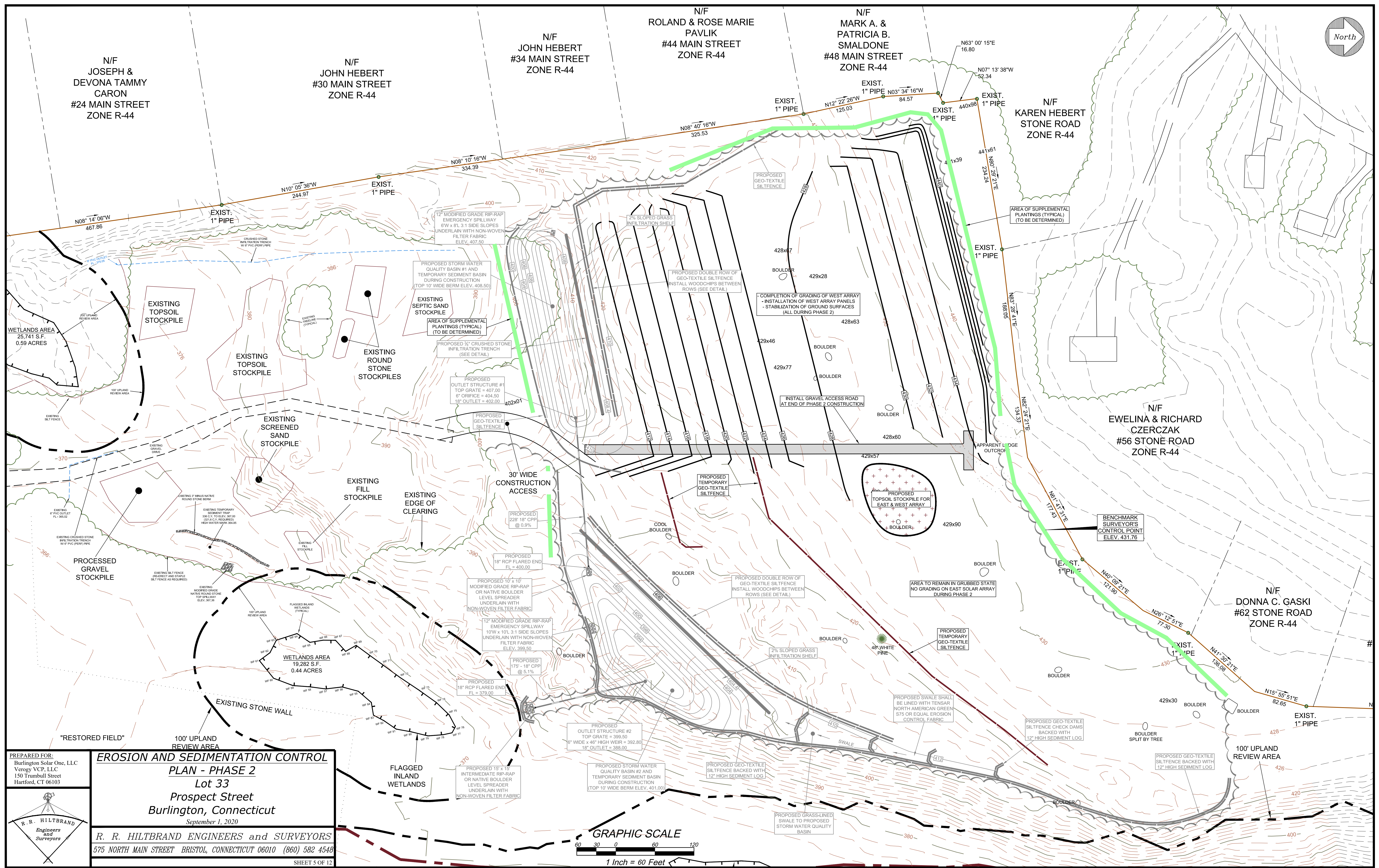
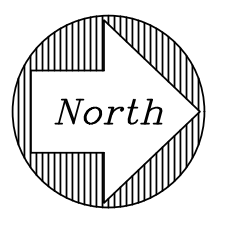
PREPARED FOR:
Burlington Solar One, LLC
Verogy VCP, LLC
150 Trumbull Street
Hartford, CT 06103

EROSION AND SEDIMENTATION CONTROL
PLAN - PHASE 1
Lot 33
Prospect Street
Burlington, Connecticut
September 1, 2020

R. R. HILTBRAND ENGINEERS and SURVEYORS
575 NORTH MAIN STREET BRISTOL, CONNECTICUT 06010 (860) 582 4548

SHEET 4 OF 12



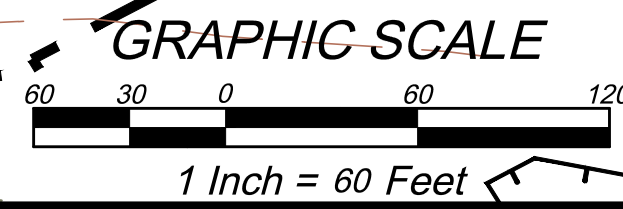


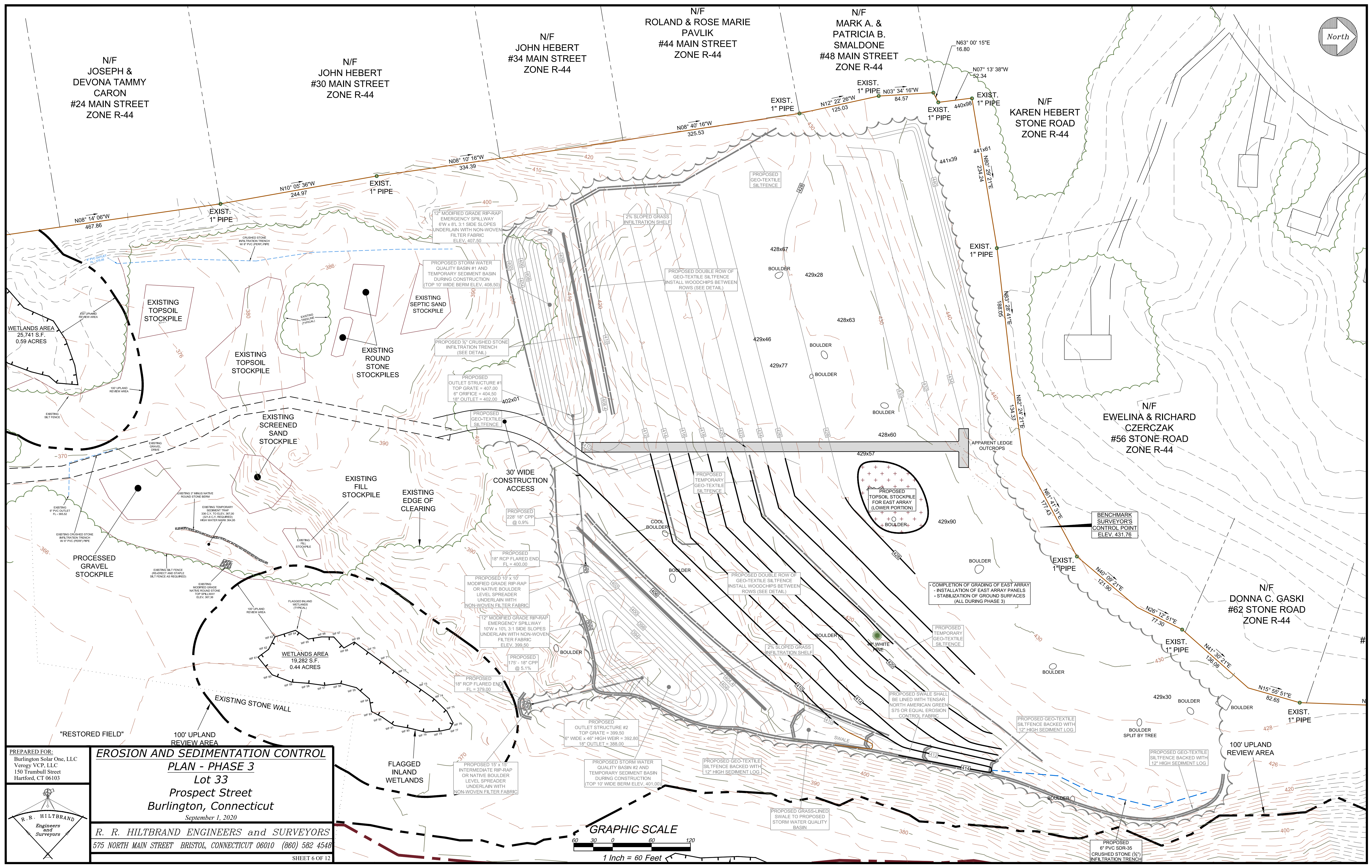
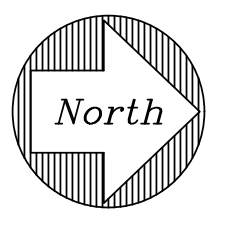
PREPARED FOR:
Burlington Solar One, LLC
Verogy VCP, LLC
150 Trumbull Street
Hartford, CT 06103

EROSION AND SEDIMENTATION CONTROL
PLAN - PHASE 2
Lot 33
Prospect Street
Burlington, Connecticut
September 1, 2020

R. R. HILTBRAND ENGINEERS and SURVEYORS
575 NORTH MAIN STREET BRISTOL, CONNECTICUT 06010 (860) 582 4548

SHEET 5 OF 12



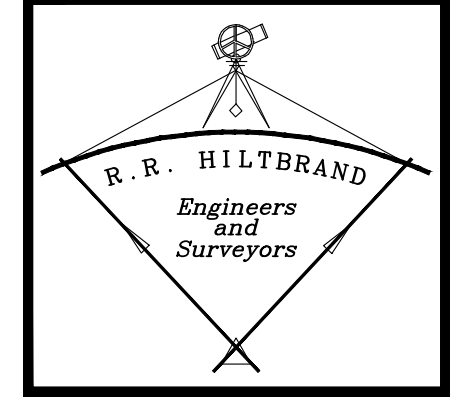
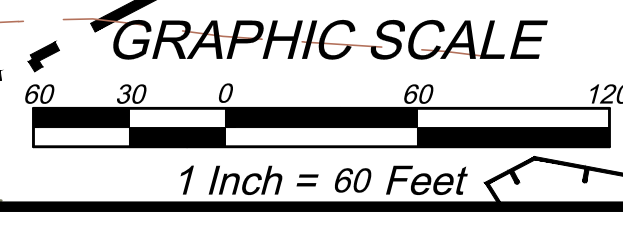


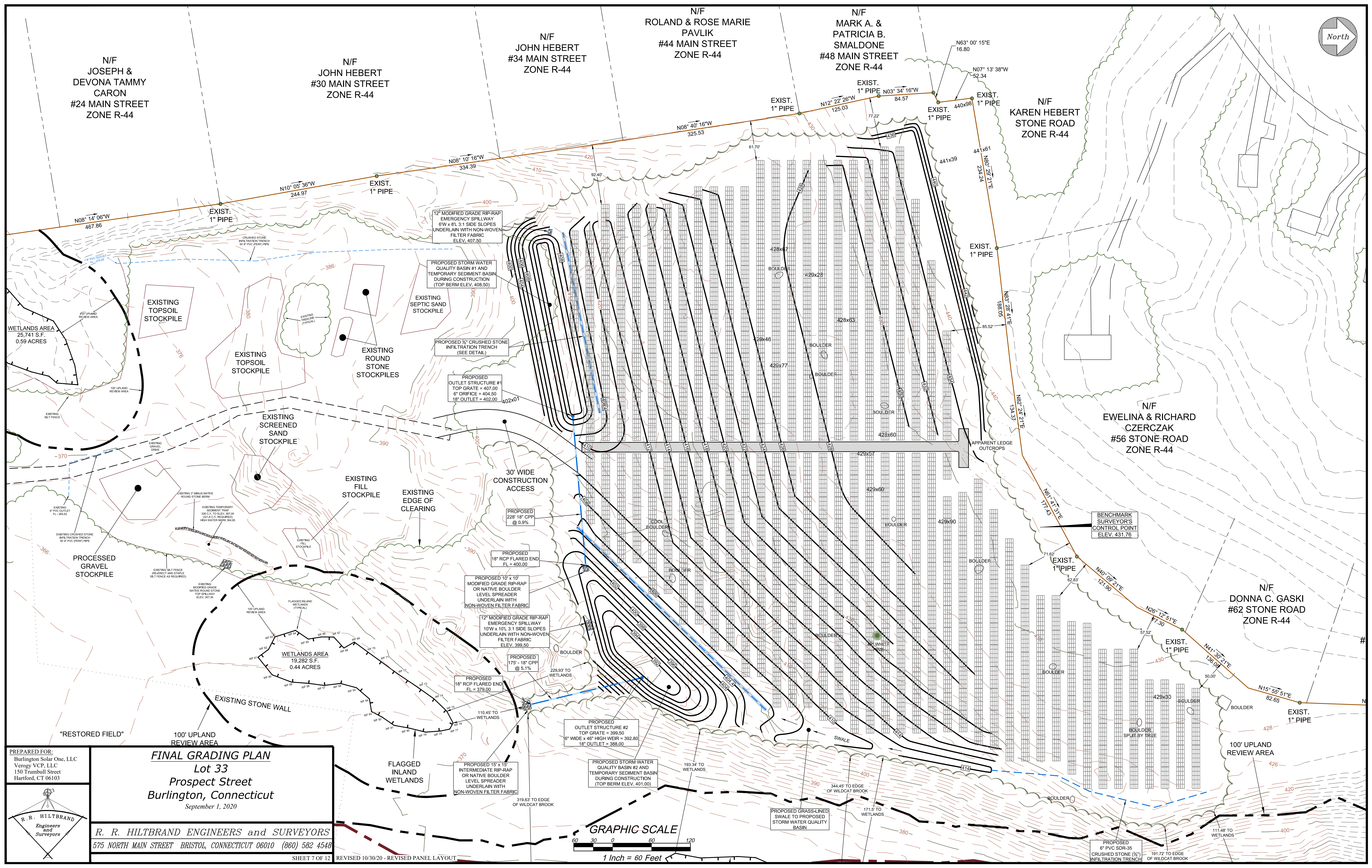
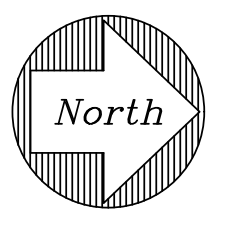
PREPARED FOR:
Burlington Solar One, LLC
Verogy VCP, LLC
150 Trumbull Street
Hartford, CT 06103

EROSION AND SEDIMENTATION CONTROL
PLAN - PHASE 3
Lot 33
Prospect Street
Burlington, Connecticut
September 1, 2020

R. R. HILTBRAND ENGINEERS and SURVEYORS
575 NORTH MAIN STREET BRISTOL, CONNECTICUT 06010 (860) 582 4548

SHEET 6 OF 12





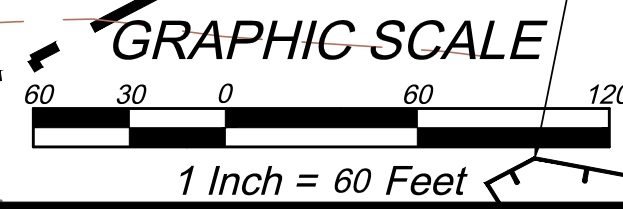
PREPARED FOR:
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150 Trumbull Street
Hartford, CT 06103

R. R. HILTBRAND
Engineers
and
Surveyors

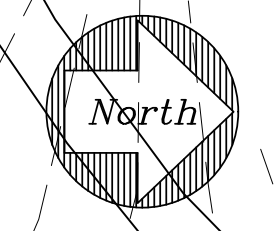
FINAL GRADING PLAN
Lot 33
Prospect Street
Burlington, Connecticut
September 1, 2020

R. R. HILTBRAND ENGINEERS and SURVEYORS
575 NORTH MAIN STREET BRISTOL, CONNECTICUT 06010 (860) 582 4548

SHEET 7 OF 12 REVISED 10/30/20 - REVISED PANEL LAYOUT



PROPOSED
6" PVC SDR-35
CRUSHED STONE (3/4")
INFILTRATION TRENCH



N/F JOSEPH & DEVONA TAMMY CARON #24 MAIN STREET ZONE R-44

N/F JOHN HEBERT #30 MAIN STREET ZONE R-44

N/F JOHN HEBERT #34 MAIN STREET ZONE R-44

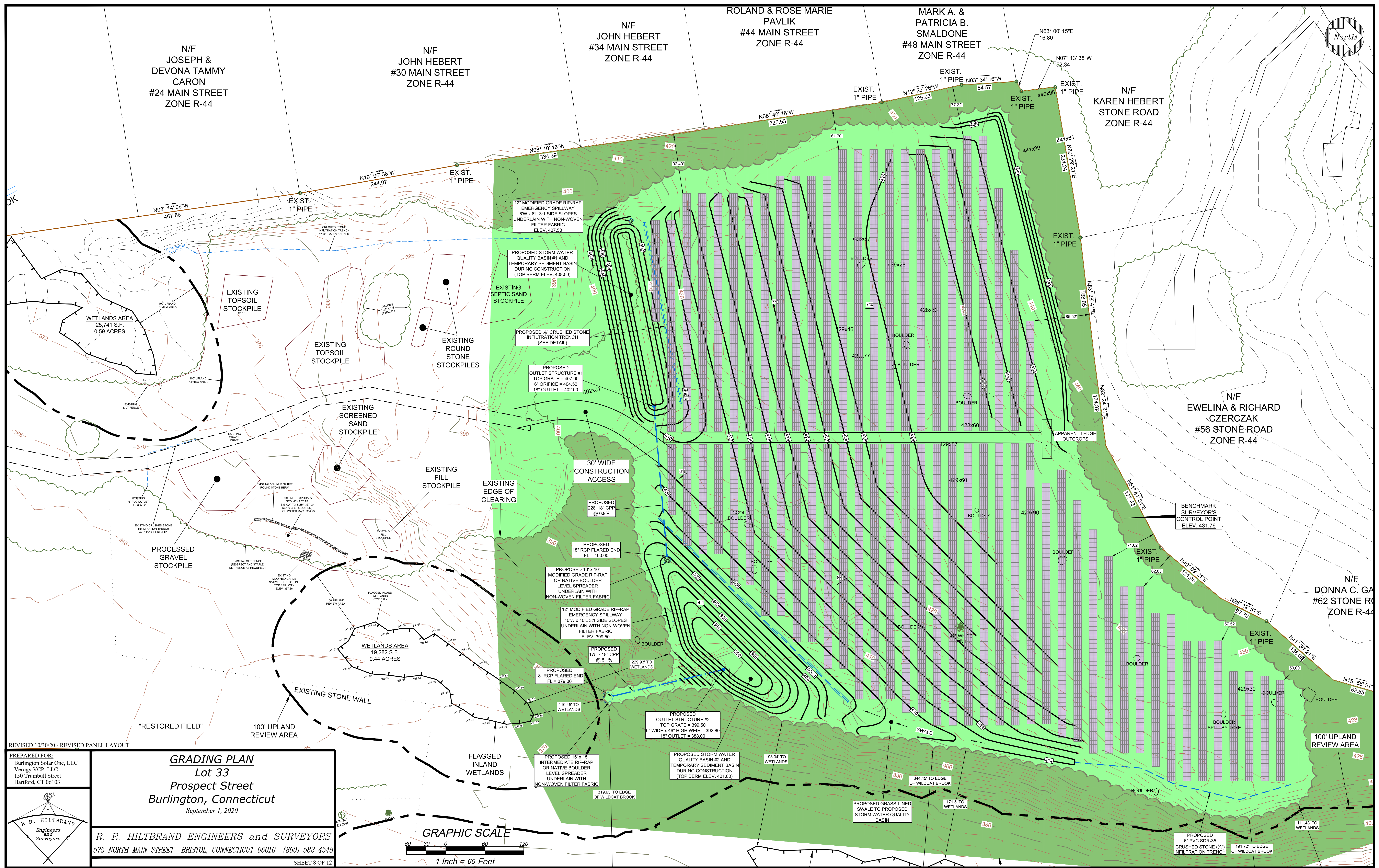
ROLAND & ROSE MARIE PAVLIK #44 MAIN STREET ZONE R-44

MARK A. & PATRICIA B. SMALDONE #48 MAIN STREET ZONE R-44

N/F KAREN HEBERT STONE ROAD ZONE R-44

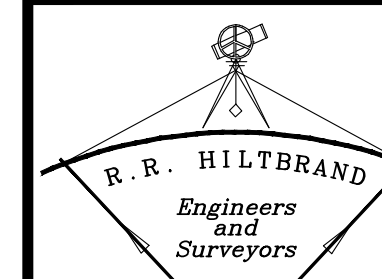
N/F EWELINA & RICHARD CZERCZAK #56 STONE ROAD ZONE R-44

N/F DONNA C. GA #62 STONE ROAD ZONE R-44



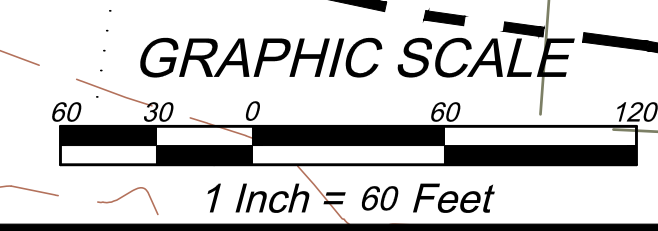
REVISED 10/30/20 - REVISED PANEL LAYOUT

PREPARED FOR:
Burlington Solar One, LLC
Verogy VCP, LLC
150 Trumbull Street
Hartford, CT 06103



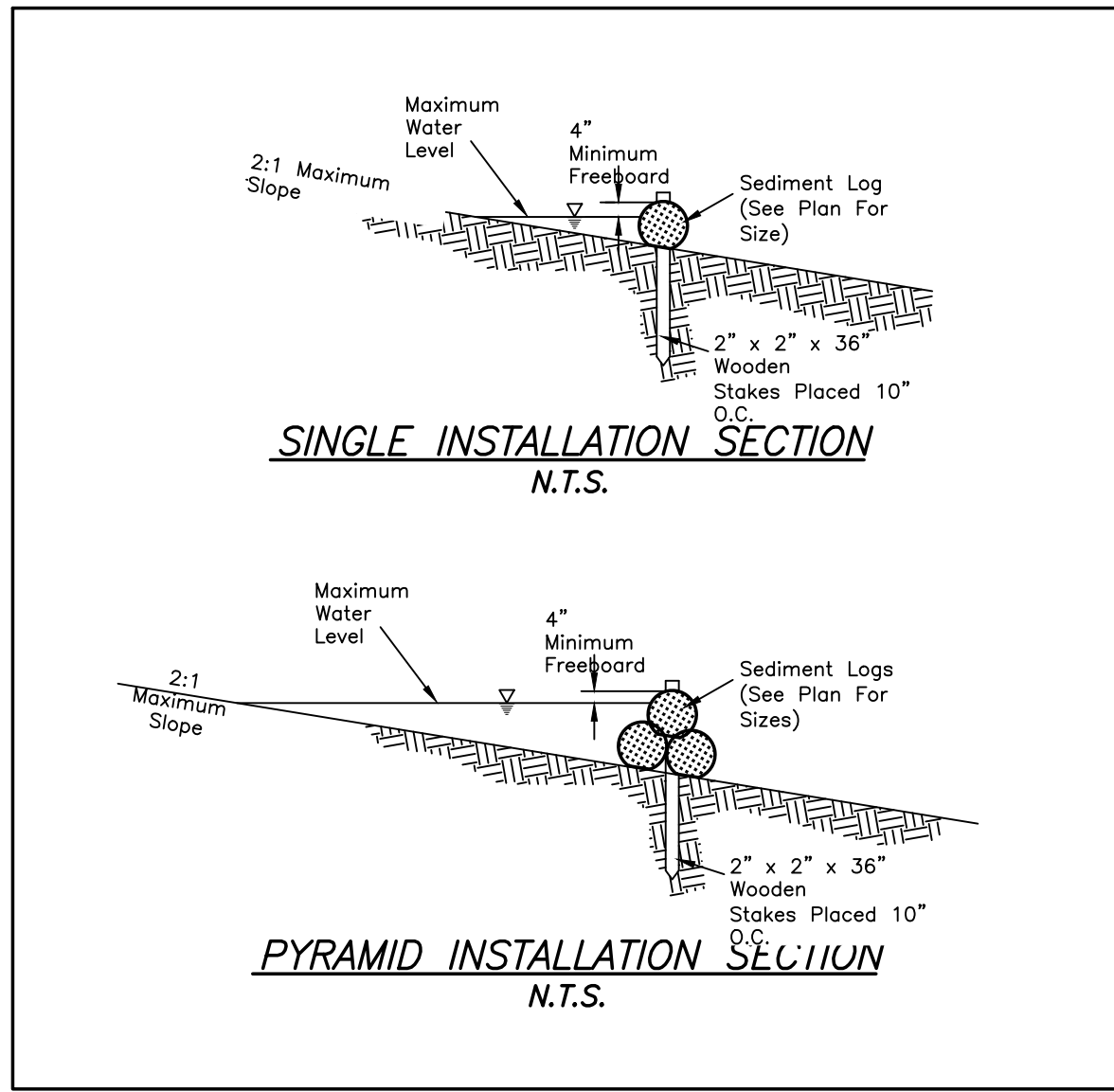
R. R. HILTBRAND ENGINEERS and SURVEYORS
575 NORTH MAIN STREET BRISTOL, CONNECTICUT 06010 (860) 582 4548

GRADING PLAN
Lot 33
Prospect Street
Burlington, Connecticut
September 1, 2020

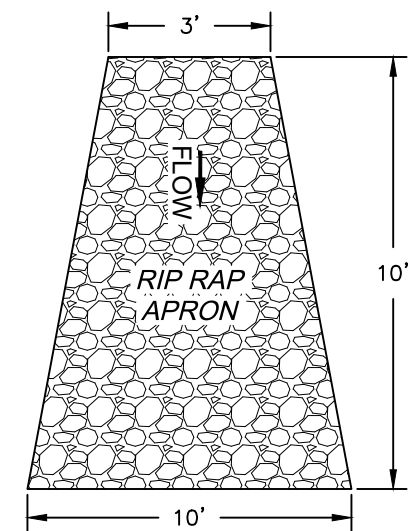


SHEET 8 OF 12

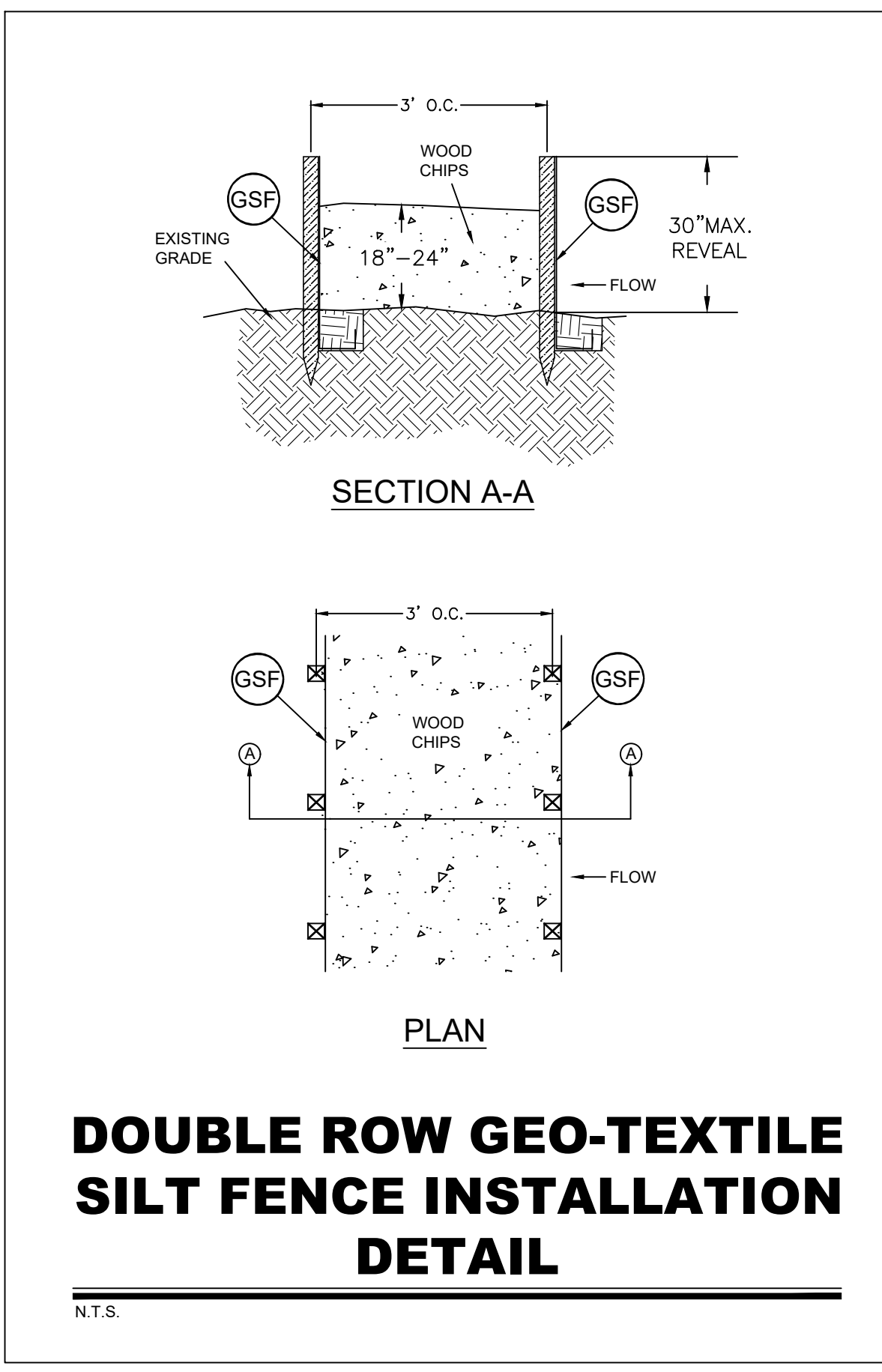
PROPOSED
6" PVC SDR-35
CRUSHED STONE (3/4")
INFILTRATION TRENCH



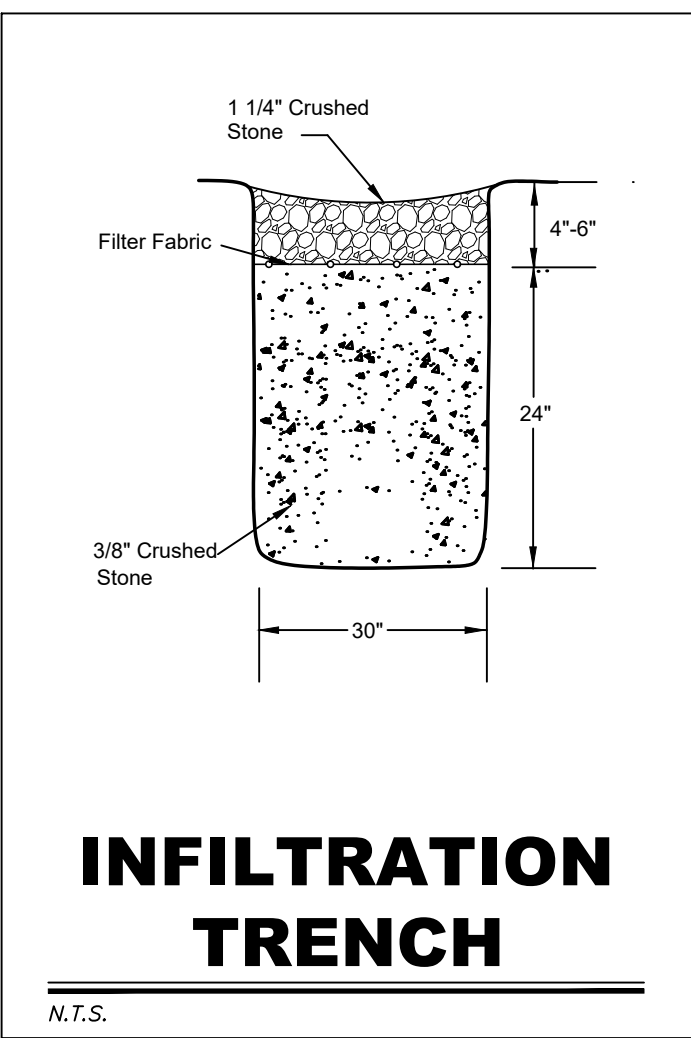
SEDIMENT LOG
N.T.S.



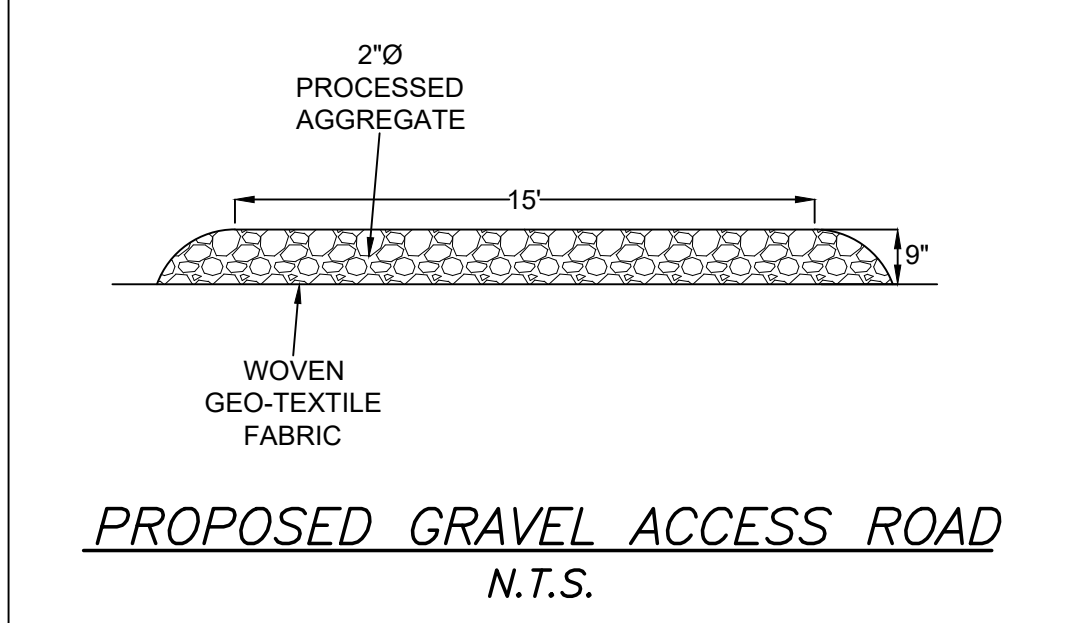
RIP RAP APRON FOR 18\"/>



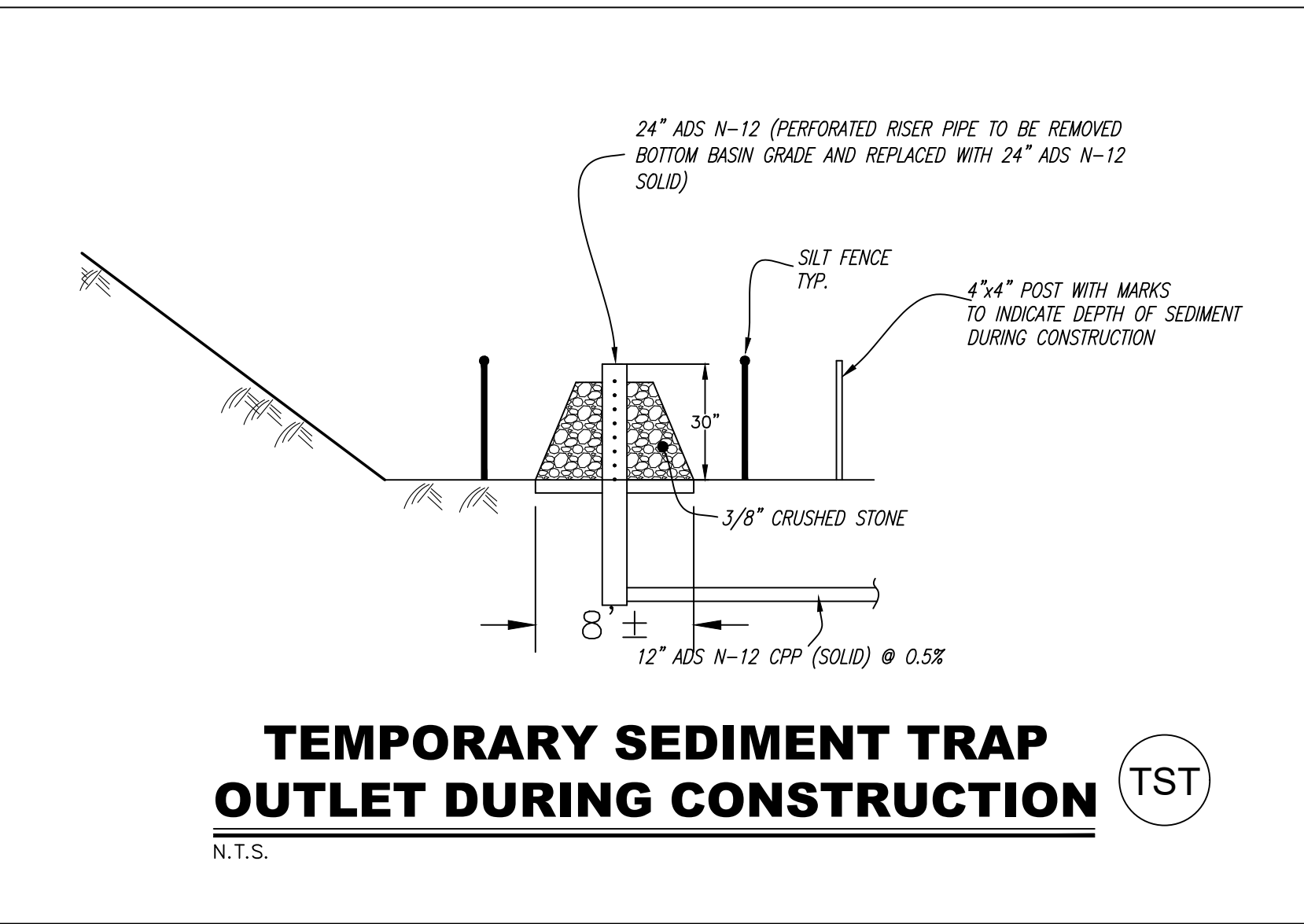
DOUBLE ROW GEO-TEXTILE SILT FENCE INSTALLATION DETAIL
N.T.S.



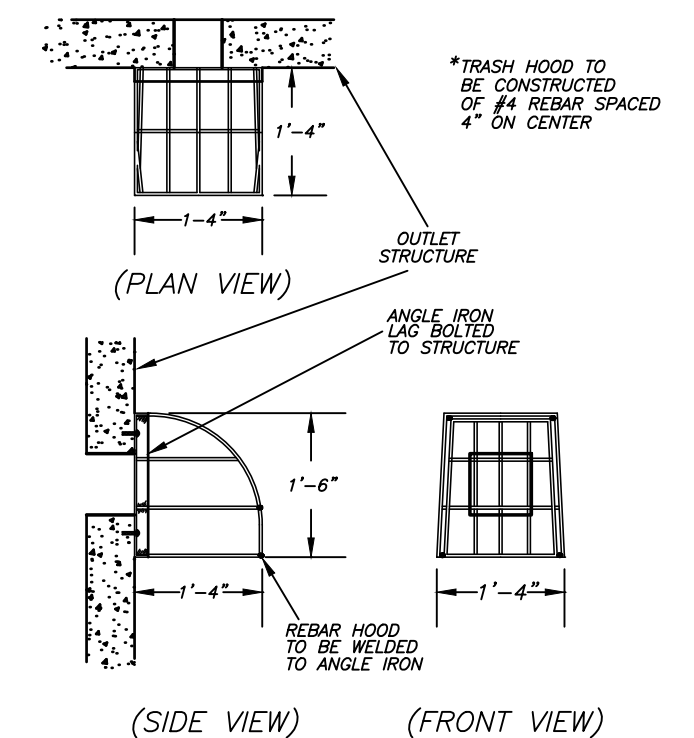
INFILTRATION TRENCH
N.T.S.



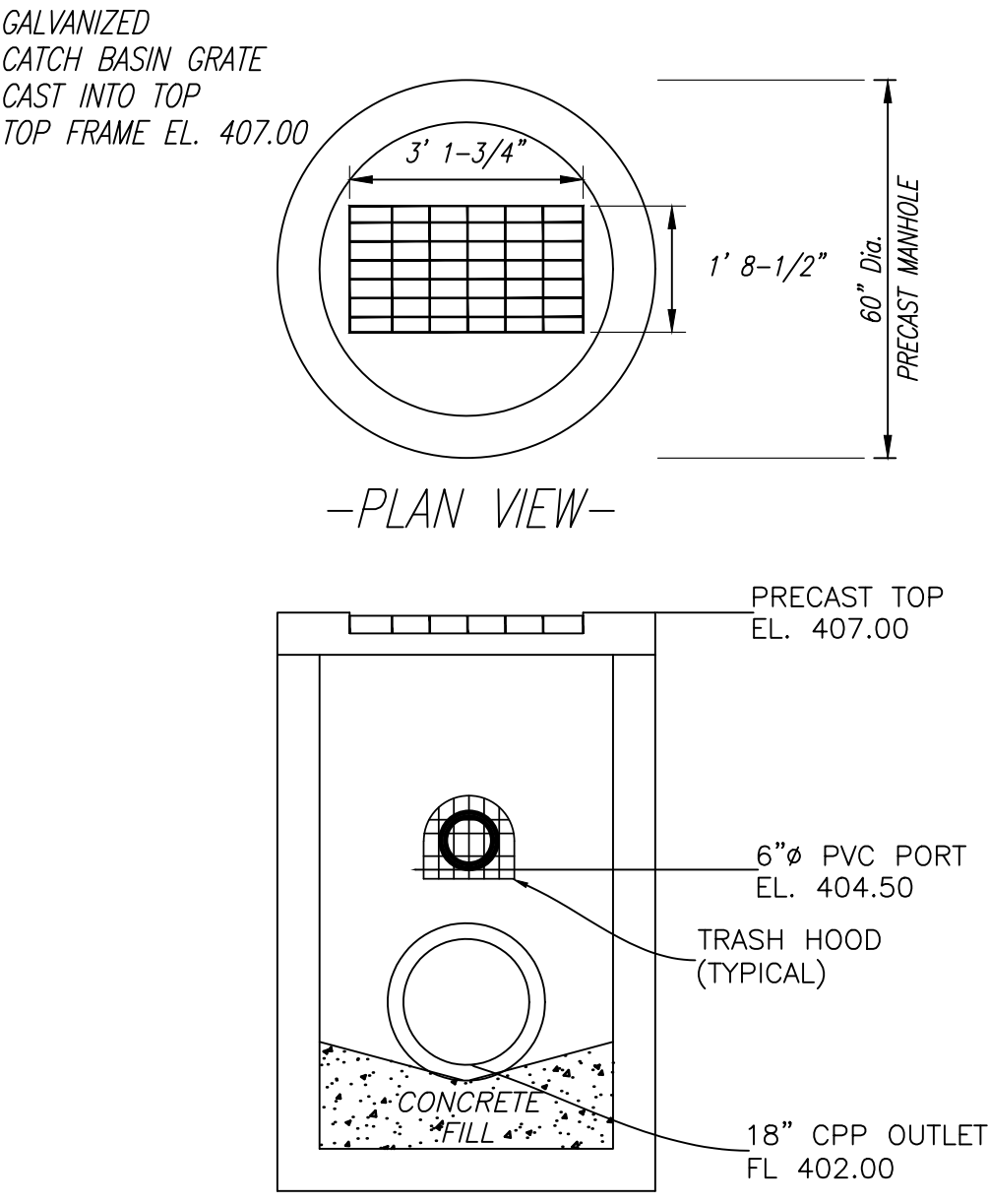
PROPOSED GRAVEL ACCESS ROAD
N.T.S.



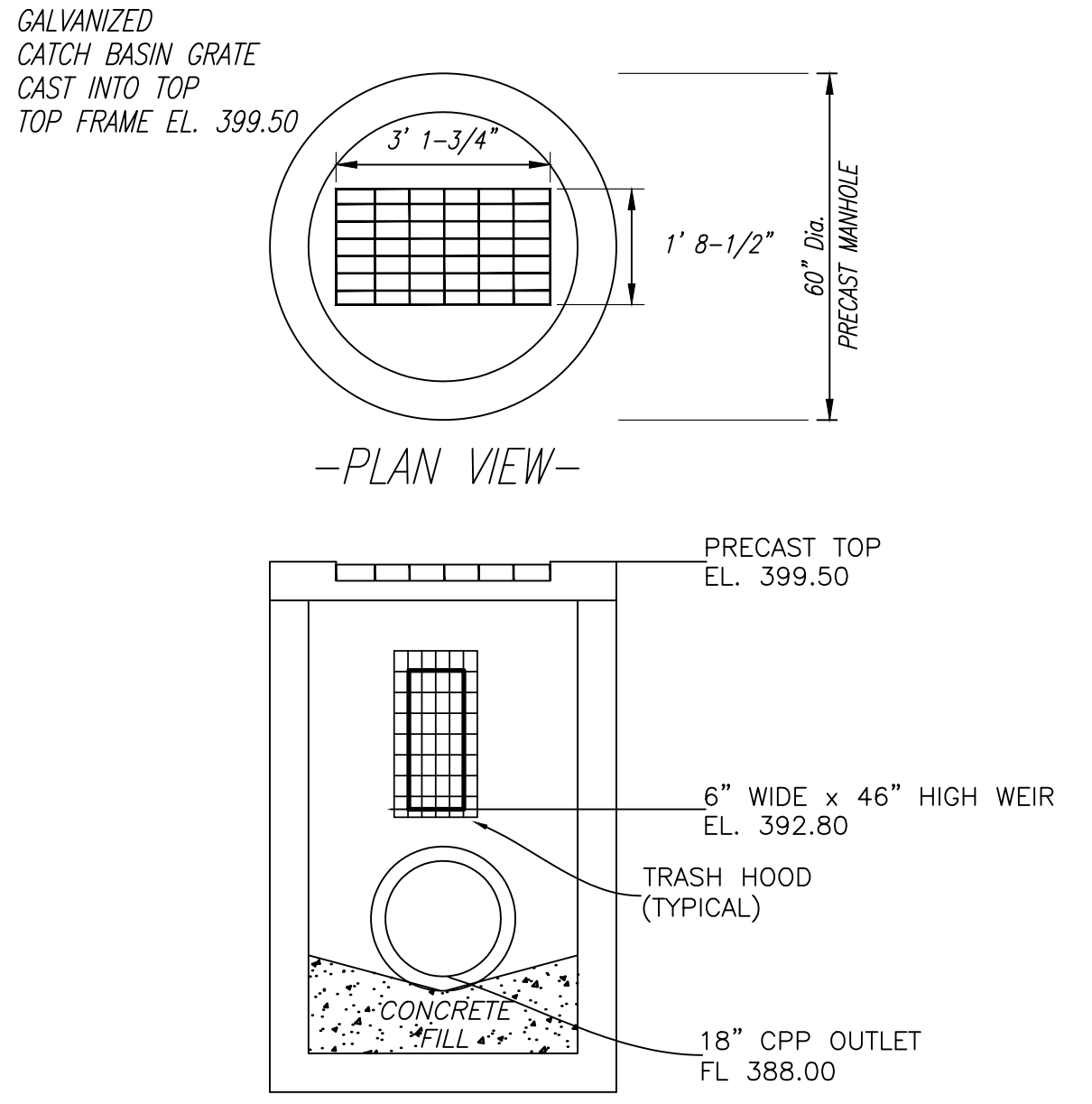
TEMPORARY SEDIMENT TRAP OUTLET DURING CONSTRUCTION
N.T.S.



TRASH HOOD DETAIL
N.T.S.



PROPOSED OUTLET STRUCTURE #1



PROPOSED OUTLET STRUCTURE #2

- Construction Sequence**
Burlington Solar One
- Phase 1 (Clearing and Site Erosion Controls)**
1. Call Before You Dig at 1-800-922-4455 or 811 prior to any construction.
 2. Survey flag limits of clearing.
 3. Conduct a pre-construction meeting with land clearer to discuss operations and limits.
 4. Clear trees and brush. 16.6 Acres
 5. Only stump and grub areas for perimeter erosion control measures and east and west stormwater quality basins. 3.9 Acres
 6. Install perimeter erosion control measures. Measures shall be inspected weekly or after all rainfall events of 0.5" rainfall or greater. Fix any defects in erosion control measures immediately.
 7. Strip topsoil within the stormwater quality basin areas and stockpile in the existing topsoil pile (unscreened) within the existing earth removal operation.
 8. Complete earthwork for east and west stormwater quality basins.
 9. Install drainage components of east and west stormwater quality basins.
 10. Install temporary sediment basin vertical risers as per detail.
 11. Install crushed stone infiltration trench above east and west stormwater quality basins.
 12. Restore east and west stormwater quality basin areas and slopes with topsoil.
 13. Seed bottom of basins and slopes with New England Wetlands Mix.
 14. Use erosion control fabric (Tensor North American Green S75 or equal) on all slopes greater than 5:1.
 15. Erect temporary erosion control measures up-slope of both stormwater quality basins as shown.
 16. Up-slope temporary grading to be covered with hay mulch for temporary protection until next phase of construction.

- Phase 2 (West Array)**
1. Stump and grub remainder of the site. 12.7 Acres
 2. All stumps, etc., to be ground and removed off-site.
 3. Erect temporary erosion control measures on east array as shown.
 4. Strip and stockpile topsoil as required to complete west array grading. Topsoil pile to be protected with geo-textile silt fence. Stockpile time frame shall be short term. (2 weeks or less)
 5. Complete grading for the west array as shown. East array shall remain un-graded during west array construction.
 6. Restore all graded areas with topsoil, 6" minimum depth.
 7. Install west array solar panels and associated appurtenances.
 8. Hydro-seed west array area with wildflower mix upon completion of solar panel installation.
 9. Maintain down-slope erosion control measures until turf has been established.
 10. Construct gravel access road at end of Phase 2 construction.

- Phase 3 (East Array)**
1. Strip and stockpile topsoil as required to complete east array grading.
 2. Complete grading for the east array as shown.
 3. Restore all graded areas with topsoil, 6" minimum depth.
 4. Install east array solar panels and associated appurtenances.
 5. Hydro-seed west array area with wildflower mix upon completion of solar panel installation.
 6. Maintain down-slope erosion control measures until turf has been established.

- Phase 4 (Perimeter Limit of Disturbance)**
1. Complete restoration of all perimeter areas with wildflower mix.
 2. Complete supplemental landscaping for buffers to abutters and subject property.
 3. Install fencing.
 4. Install equipment pad and underground utilities to pole location on Prospect Street.
 5. Maintain all erosion control measures until turf all up-slope areas have been stabilized.

NEW ENGLAND WETLAND PLANTS, INC.
820 WEST STREET, AMHERST, MA 01002
PHONE: 413-548-8000 FAX 413-548-4000
EMAIL: INFO@NEWP.COM WEB ADDRESS: WWW.NEWP.COM

New England Erosion Control/Restoration Mix For Detention Basins and Moist Sites

Botanical Name	Common Name	Indicator
<i>Elymus riparius</i>	Riverbank Wild Rye	FACW
<i>Schizachyrium scaparium</i>	Little Bluestem	FACU
<i>Festuca rubra</i>	Red Fescue	FACU
<i>Andropogon gerardii</i>	Big Bluestem	FAC
<i>Panicum virgatum</i>	Switch Grass	FAC
<i>Veronica novboracensis</i>	New York Ironweed	FACW+
<i>Agrostis perennans</i>	Upland Bentgrass	FACU
<i>Bidens frondosa</i>	Beggar Ticks	FACW
<i>Eragrostium maculatum (Eragrostium maculatum)</i>	Spotted Joe Pye Weed	OB
<i>Eragrostium pectinatum</i>	Boneset	FACW
<i>Aster novae-angliae (Symphyotrichum novae-angliae)</i>	New England Aster	FACW+
<i>Scirpus ciliatus</i>	Soft Rush	FACW
<i>Juncus effusus</i>	Soft Rush	FACW+

PRICE PER LB. \$37.00 MIN. QUANTITY 3 LBS. TOTAL: \$111.00 APPLY: 25 LBS/ACRE 1250 sq ft/lb

The New England Erosion Control/Restoration Mix for Detention Basins and Moist Sites contains a selection of native grasses and wildflowers designed to colonize generally moist, recently disturbed sites where quick growth of vegetation is desired to stabilize the soil surface. It is an appropriate seed mix for ecologically sensitive restorations that require stabilization as well as long-term establishment of native vegetation. This mix is particularly appropriate for detention basins that do not hold standing water. Many of the plants in this mix can tolerate infrequent inundation, but not constant flooding. The mix may be applied by hand, by mechanical spreader, or by hydro-seeder. After covering, lightly rake, roll or cultivate to insure good seed to soil contact. Best results are obtained with a Spring or late Summer seeding. Late Fall and Winter dormant seeding requires an increase in the application rate. A light mulching of clean, weed-free straw is recommended. New England Wetland Plants, Inc. may modify seed mixes at any time depending upon seed availability. The design criteria and ecological function of the mix will remain unchanged. Price is 5/bulk pound, FOB warehouse, Plus 5% and applicable taxes.

SEED MIX FOR BOTTOM OF INFILTRATION BASINS

NEW ENGLAND WETLAND PLANTS, INC.
820 WEST STREET, AMHERST, MA 01002
PHONE: 413-548-8000 FAX 413-548-4000
EMAIL: INFO@NEWP.COM WEB ADDRESS: WWW.NEWP.COM

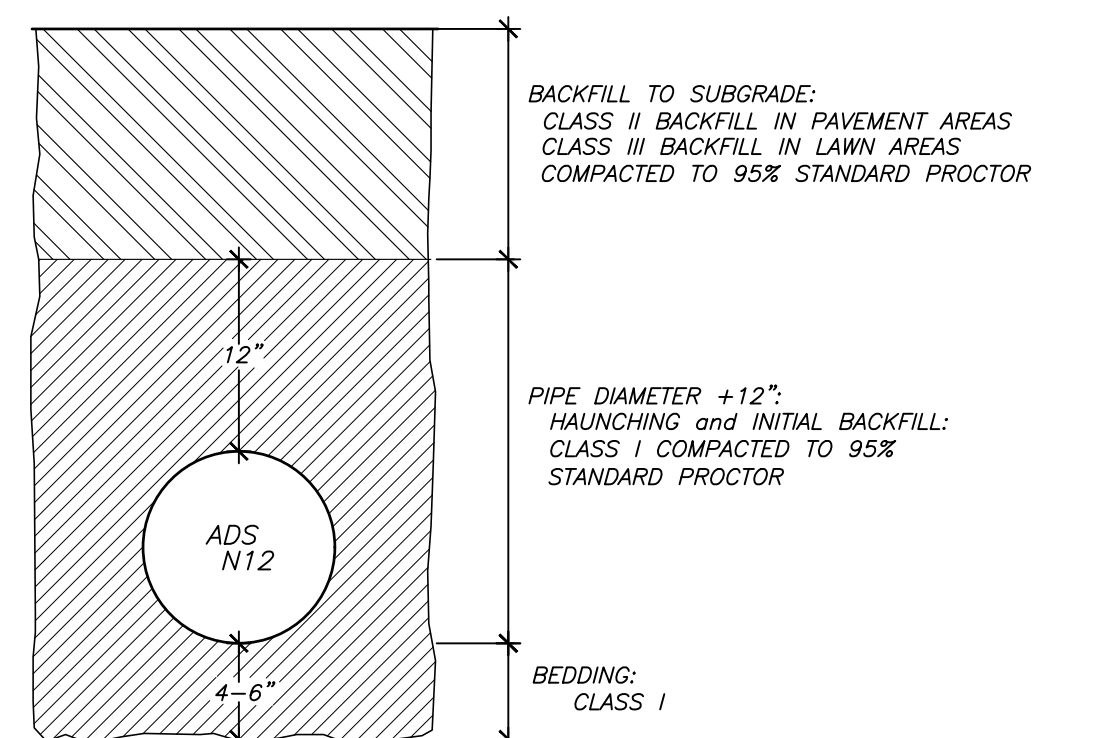
New England Conservation/Wildlife Mix

Botanical Name	Common Name	Indicator
<i>Elymus virginicus</i>	Virginia Wild Rye	FACW+
<i>Schizachyrium scaparium</i>	Little Bluestem	FACU
<i>Andropogon gerardii</i>	Big Bluestem	FAC
<i>Festuca rubra</i>	Red Fescue	FACU
<i>Sorghastrum nutans</i>	Indian Grass	UPL
<i>Panicum virgatum</i>	Switch Grass	FAC
<i>Chamaecrista fasciculata</i>	Partridge Pea	FACU
<i>Dianthus canadense</i>	Showy Tick Trefal	FAC
<i>Asclepias tuberosa</i>	Butterfly Milkweed	NI
<i>Bidens frondosa</i>	Beggar Ticks	FACW
<i>Eragrostium pectinatum (Eragrostium maculatum)</i>	Purple Joe Pye Weed	FAC
<i>Rudbeckia hirta</i>	Black Eyed Susan	FACU+
<i>Aster pilosus (Symphyotrichum pilosum)</i>	Heath (or Hairy) Aster	UPL
<i>Solidago nemora</i>	Early Goldenrod	UPL

PRICE PER LB. \$39.50 MIN. QUANTITY 2 LBS. TOTAL: \$79.00 APPLY: 25 LBS/ACRE 1750 sq ft/lb

The New England Conservation/Wildlife Mix provides a permanent cover of grasses, wildflowers, and legumes. For both good erosion control and wildlife habitat value. The mix is designed to be a no maintenance seeding, and is appropriate for cut and fill slopes, detention basin side slopes, and disturbed areas adjacent to commercial and residential projects. New England Wetland Plants, Inc. may modify seed mixes at any time depending upon seed availability. The design criteria and ecological function of the mix will remain unchanged. Price is 5/bulk pound, FOB warehouse, Plus 5% and applicable taxes.

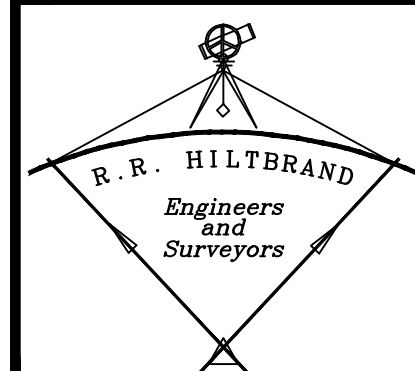
SEED MIX FOR INFILTRATION BASIN SLOPES & OUTSIDE OF FENCE TO LIMIT OF DISTURBANCE



- CLASS I BACKFILL:** ANGULAR CRUSHED STONE OR ROCK, DENSE OR OPEN-GRADED WITH LITTLE OR NO FINES (1/4 INCH TO 1/8 INCHES IN SIZE).
- CLASS II BACKFILL:** CLEAN, COARSE-GRAINED MATERIALS, SUCH AS GRAVEL, COARSE SANDS AND GRAVEL/SAND MIXTURES (1 1/8 INCHES MAX. SIZE).
- CLASS III BACKFILL:** COARSE-GRAINED MATERIALS WITH FINES INCLUDING SILTY OR CLAYEY GRAVELS OR SANDS; DOWEL OR SAND MUST COMPRISE MORE THAN 50 PERCENT OF CLASS III MATERIALS (1 1/8 INCHES MAX. SIZE).

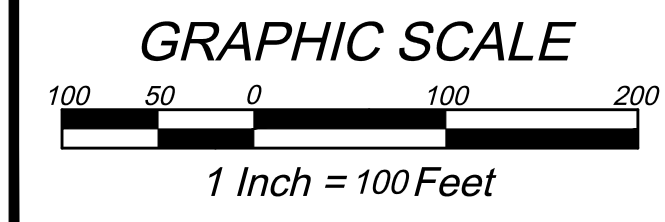
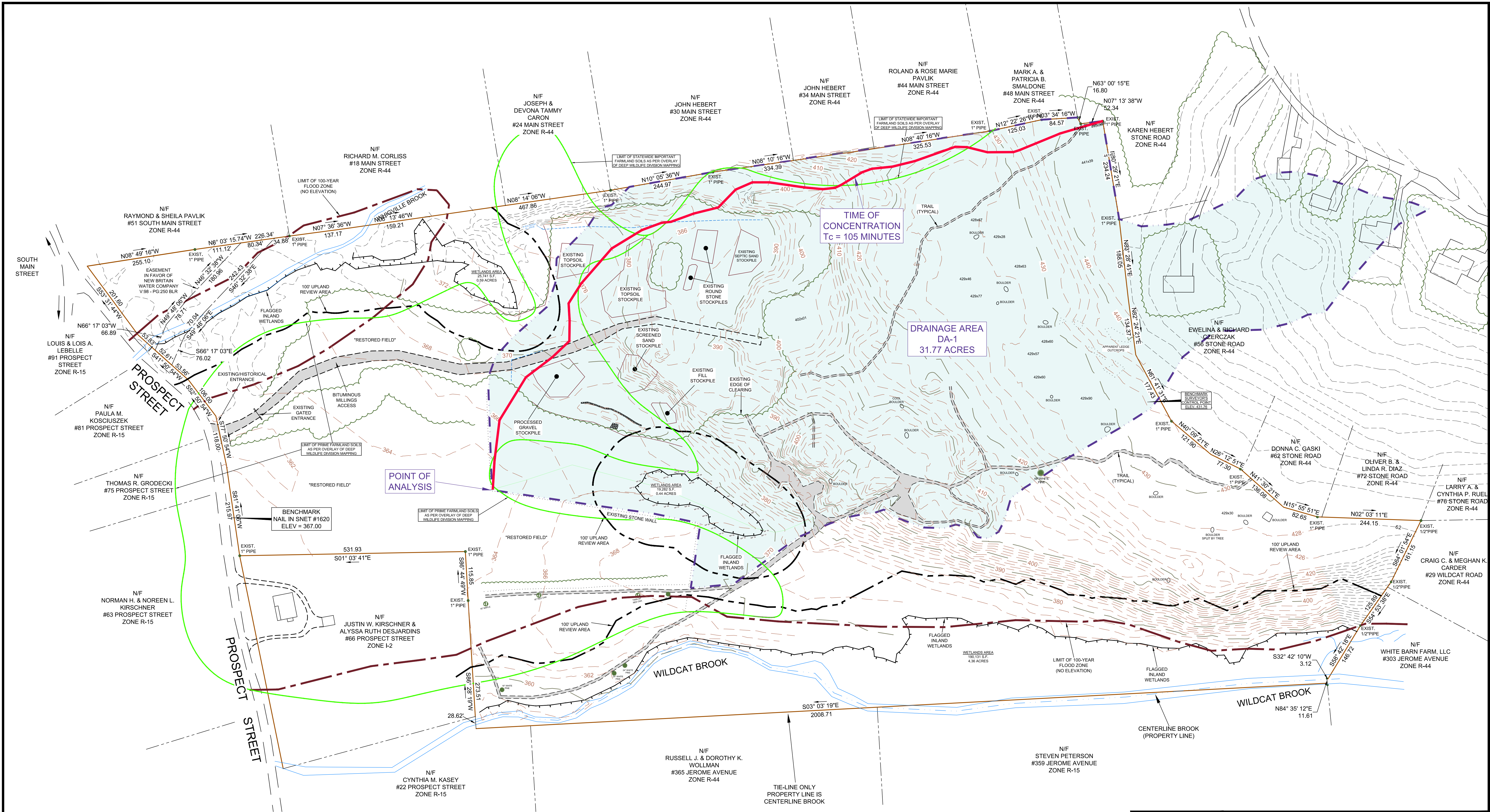
ADS N-12 (CPP) TRENCH DETAIL N.T.S.

PREPARED FOR:
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Verogy VCP, LLC
150 Trumbull Street
Hartford, CT 06103

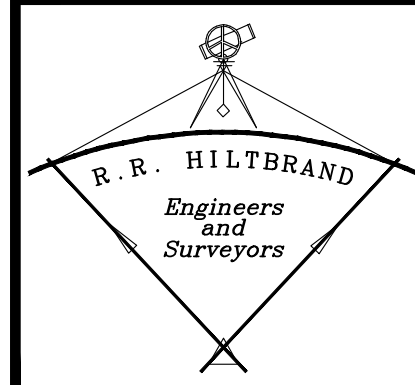


SITE DETAILS
Lot 33
Prospect Street
Burlington, Connecticut
September 1, 2020

R. R. HILTBRAND ENGINEERS and SURVEYORS
575 NORTH MAIN STREET BRISTOL, CONNECTICUT 06010 (860) 582 4548

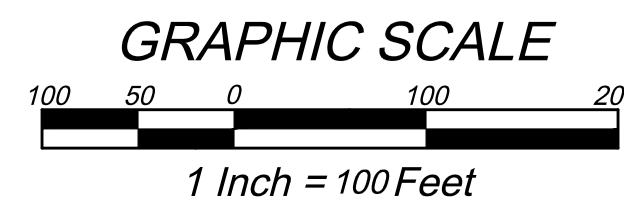
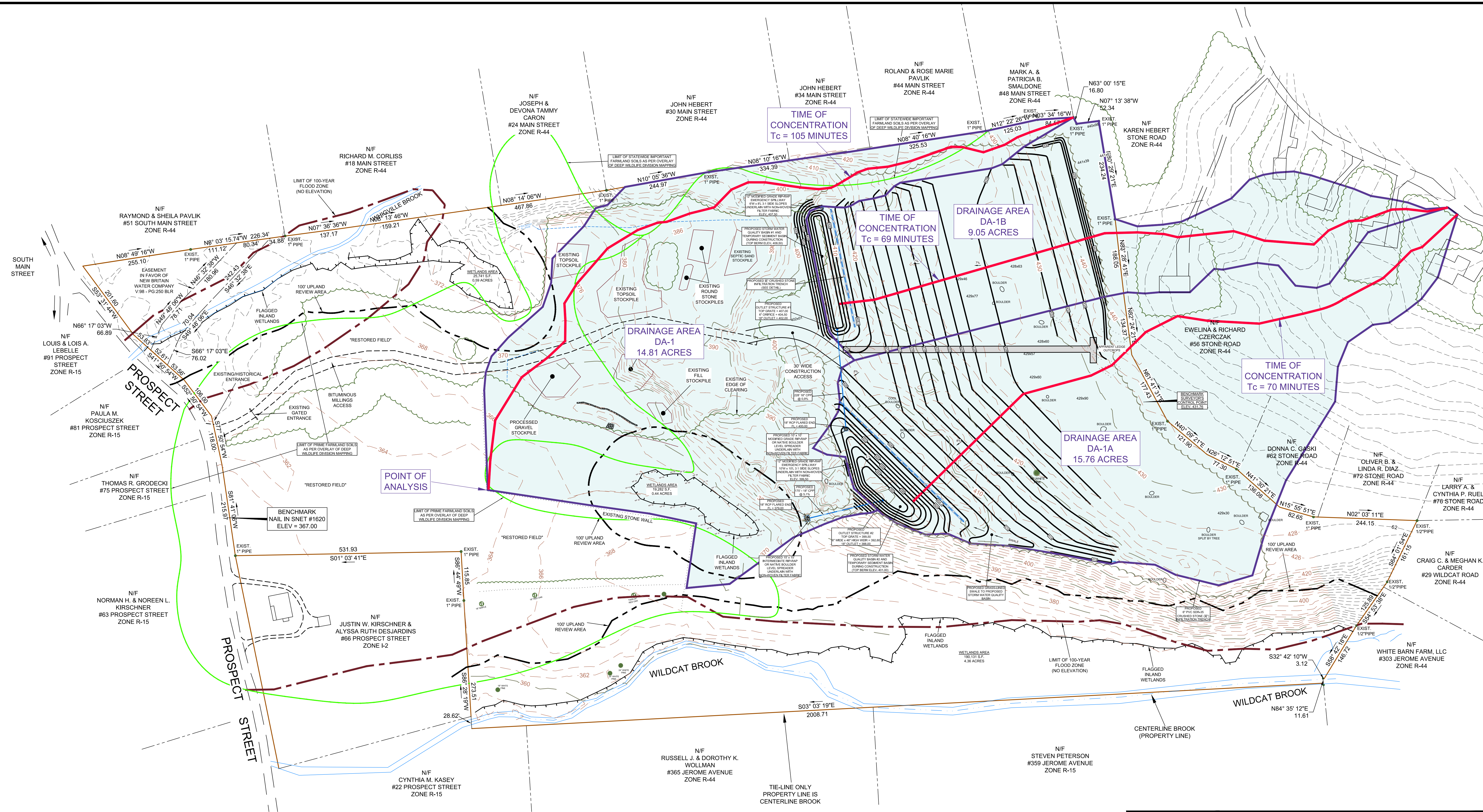


PREPARED FOR:
 Burlington Solar One, LLC
 Verogy VCP, LLC
 150 Trumbull Street
 Hartford, CT 06103

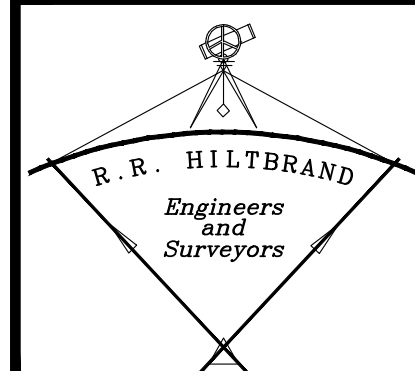


PRE-DEVELOPED DRAINAGE MAP
 Lot 33
 Prospect Street
 Burlington, Connecticut
 September 1, 2020

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DEVELOPED DRAINAGE MAP
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 575 NORTH MAIN STREET BRISTOL, CONNECTICUT 06010 (860) 582 4548
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