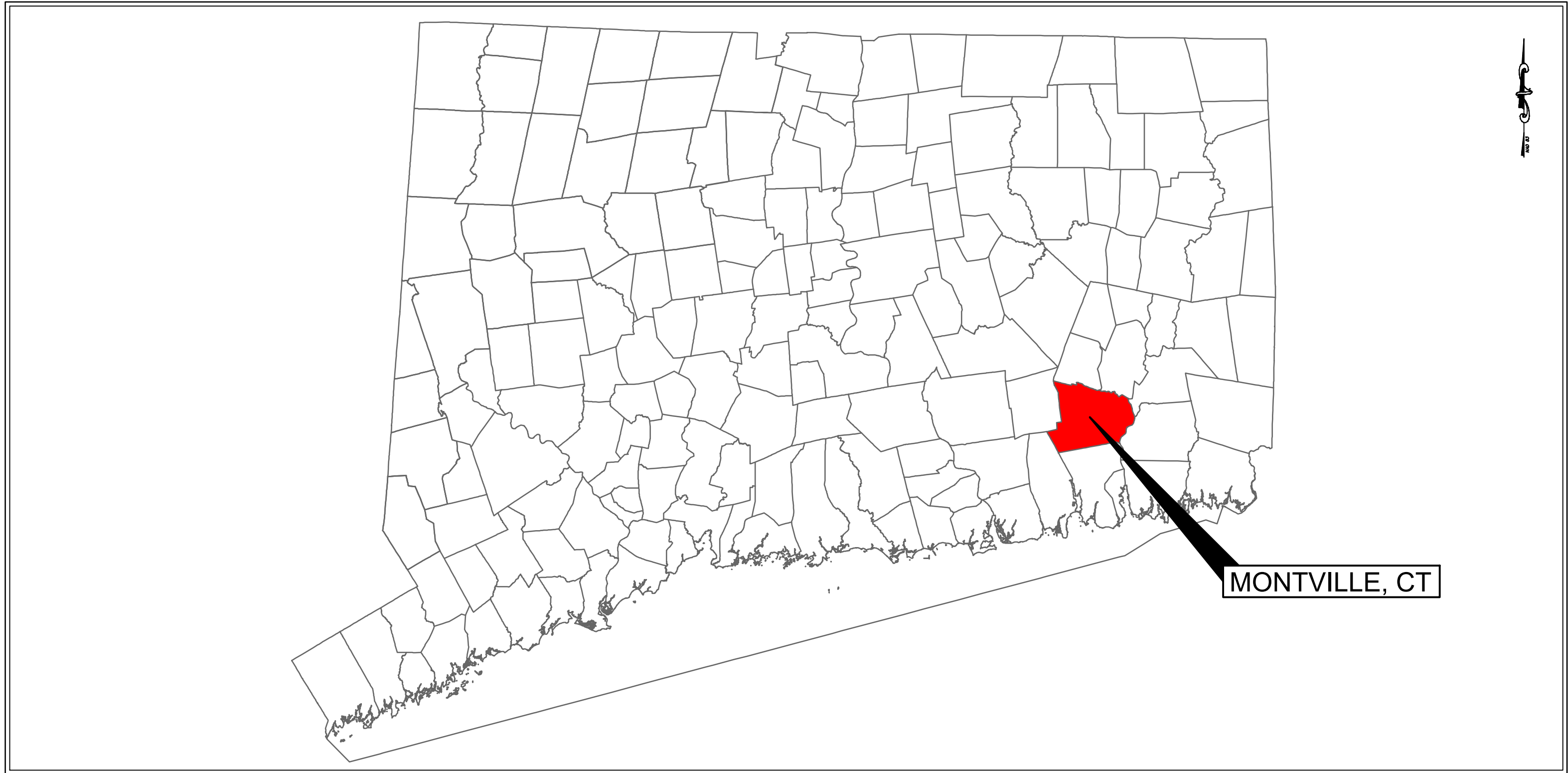


# PROPOSED SOLAR PV DEVELOPMENT, TOWN OF MONTVILLE LANDFILL

669 ROUTE 163, OAKDALE, CT



CONNECTICUT MUNICIPAL MAP  
NOT TO SCALE

DRAWING INDEX	
SHEET NUMBER	SHEET TITLE
GENERAL	
G000	COVER SHEET
SURVEY	
V101	EXISTING CONDITIONS PLAN
CIVIL	
C001	NOTES AND SPECIFICATIONS
C101	PROPOSED SITE PLAN / GRADING AND DRAINAGE PLAN
C501	DETAILS I
C502	DETAILS II

ZONING	
ZONING DISTRICT	GOVERNMENT (G)
SPECIAL PERMITS REQUIRED	NONE
MINIMUM LOT SIZE	NONE
MINIMUM FRONTAGE	NONE
MINIMUM SETBACKS	NONE

LAND OWNER:

Town of Montville  
310 Norwich-New London Tpke  
Uncasville, CT 06382  
Tel: (860) 848-3030

PROJECT DEVELOPER:

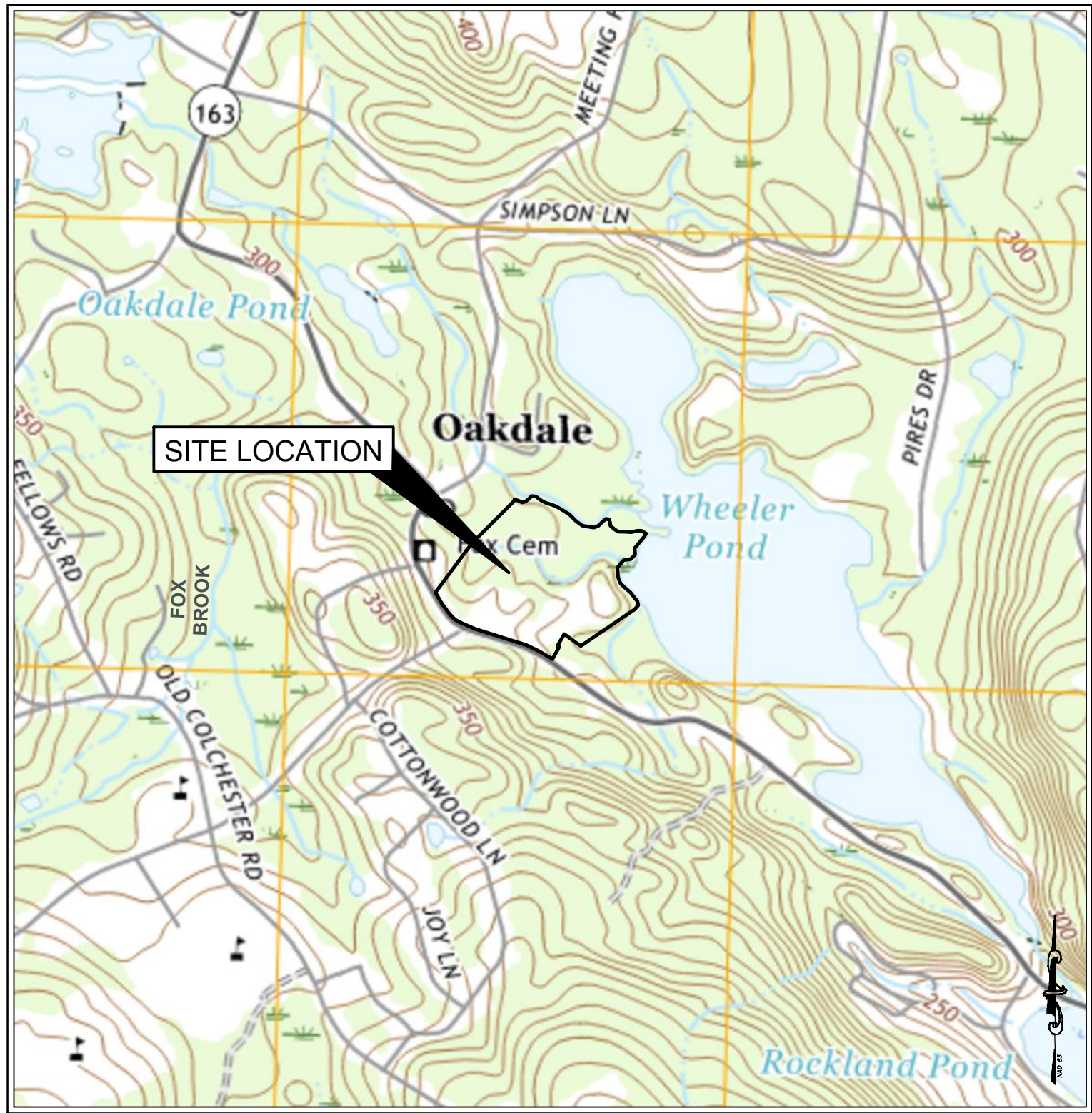
**VEROGY**

VCP Montville Lf, LLC  
124 LaSalle Road  
2nd Floor  
West Hartford, CT 06107  
Tel: (860) 288-7215  
www.verogy.com

CONSULTANT:

**Weston & Sampson**

Weston & Sampson Engineers, INC.  
712 Brook Street, Suite 103  
Rocky Hill, CT 06067  
860.513.1473 800.SAMPSON  
www.westonandsampson.com



SITE LOCUS MAP  
1" = 1,000'



SITE AERIAL MAP  
1" = 500'

APPROVED BY THE PLANNING & ZONING COMMISSION ON \_\_\_\_\_  
CHAIRMAN OR SECRETARY OF THE COMMISSION \_\_\_\_\_ DATE \_\_\_\_\_  
EXPIRATION DATE: \_\_\_\_\_  
EROSION & SEDIMENT CONTROL PLAN CERTIFIED BY THE AFFIRMATIVE VOTE OF THE COMMISSION.

REV #	DESCRIPTION	DATE
3	REVISED PER TOWN COMMENTS	07/19/2023
2	REVISED PER TOWN COMMENTS	06/27/2023
1	ISSUED FOR DEEP PERMITTING	06/21/2023
0	ISSUED FOR PERMITTING	06/06/2023
REV #	DESCRIPTION	DATE



Issued For:	PERMITTING	Drawn By:	DED
Original Issued Date:	06/06/2023	Reviewed By:	NWA
Drawing Title:	COVER SHEET	Approved By:	RJB
		Job No:	ENG23-0166
		Sheet Number:	G000



- EXISTING LEGEND:
- LOCUS PROPERTY LINE
  - ABUTTERS PROPERTY LINE
  - EASEMENT LINE
  - 2' CONTOUR LINE
  - CHAIN LINK FENCE
  - WETLAND LINE
  - 50' WETLANDS BUFFER
  - TREE LINE
  - FEMA FLOOD ZONE LINE
  - ZONING LINE
  - OVERHEAD WIRES
  - BURIED GAS LINE
  - BURIED DRAINAGE LINE
  - APPROXIMATE LIMIT OF WASTE
  - SAND AND GRAVEL STOCKPILES
- CONC. BOUND FOUND
- CALCULATED POINT
- UTILITY POLE
- LIGHT POLE
- GUY WIRE ANCHOR
- CATCH BASIN
- MANHOLE
- WETLAND FLAG WITH IDENTIFIER
- SIGN POST
- GAS VALVE
- TEST PIT
- CONCRETE PAD
- GRAVEL
- PAVEMENT
- STRUCTURE

ZONE:GOV

ZONE:R40

WHEELER POND

NOTES:

- FIELD SURVEY BY RTK GPS & RTK DRONE IN MARCH 2023.
- THE HORIZONTAL DATUM IS NAD83. THE VERTICAL DATUM IS NAVD88. BOTH WERE DERIVED FROM RTK GPS OBSERVATIONS TAKEN ON SITE.
- THE LOCATIONS OF UTILITIES SHOWN HEREON ARE THE RESULT OF SURFACE EVIDENCE ONLY. THIS PLAN DOES NOT NECESSARILY DEPICT THE EXACT LOCATION OF THESE UTILITIES AND MAY NOT SHOW ALL OF THE UTILITIES WHICH EXIST WITHIN THE PREMISES SURVEYED. CONTACT DIG-SAFE AT 1-888-344-7233 BEFORE EXCAVATION.
- THE LOCUS PARCEL IS LOCATED IN THE TOWN OF MONTVILLE GOVERNMENT ZONING DISTRICT.
- ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY MAPS, THE PROPOSED FACILITY IS LOCATED IN AN AREA DESIGNATED AS "ZONE X" (AREAS OF MINIMAL FLOODING). COMMUNITY PANEL NO. 09011C 0333 G & 09011C 0334 G, EFFECTIVE ON 7/18/2011.
- WETLANDS SHOWN HEREON WERE DELINEATED BY DAVISON ENVIRONMENTAL, LLC. ON 3/6/2023.
- ALL CONTOURS SHOWN HEREON WERE GENERATED IN QGIS FROM DIGITAL ELEVATION MODELS OF THE 2016 CRCOG LIDAR DATA COLLECTED BY USGS AND DISTRIBUTED BY NOAA.
- WESTON & SAMPSON ENGINEERS, INC. HAVE NOT INDEPENDENTLY VERIFIED THE LOCATION, EXISTENCE, AND SERVICEABILITY OF ANY UTILITIES AND MAKE NO GUARANTEE TO THE COMPLETENESS OR THE ACCURACY OF ANY UTILITIES. ADDITIONAL UTILITIES MAY EXIST IN THE FIELD, WHICH ARE NOT SHOWN ON THIS PLAN. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD PRIOR TO EXCAVATION OR OTHER CONSTRUCTION ACTIVITIES. CALL "DIG SAFE" AT 1-888-344-7233 OR DIAL 811. WESTON & SAMPSON ENGINEERS, INC. ASSUME NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN.

NOT FOR CONSTRUCTION

Project:  
TOWN OF MONTVILLE  
LANDFILL  
SOLAR PV DEVELOPMENT

669 ROUTE 163  
MONTVILLE, CT 06353

Weston & Sampson

WESTON & SAMPSON ENGINEERS, INC.  
712 BROOK STREET, SUITE 103  
ROCKY HILL, CT 06067  
860.513.1473 800.SAMPSON  
www.westonandsampson.com

Applicant:

VEROGY

VCP MONTVILLE L.F., LLC  
124 LASALLE ROAD  
2ND FLOOR  
WEST HARTFORD, CT 06107  
TEL: (860) 288-7215  
WWW.VEROGY.COM

Revisions:

No.	Date	Description
3	07/19/2023	REVISED PER TOWN COMMENTS
2	06/27/2023	REVISED PER TOWN COMMENTS
1	06/21/2023	ISSUED FOR DEEP PERMITTING
0	06/06/2023	ISSUED FOR PERMITTING

Seal:

Issued For:

PERMITTING

Scale: AS SHOWN

Date Created: 06/06/2023

Drawn By: DED

Reviewed By: NWIA

Approved By: RJB

W&S Project No.: ENG23-0165

W&S File No.: Verogy Montville

Drawing Title:

EXISTING  
CONDITIONS PLAN

Sheet Number:

V101



MATERIAL SPECIFICATIONS AND PLACEMENT REQUIREMENTS:

1.1 CRUSHED STONE

DENSE GRADED CRUSHED STONE SHALL BE PLACED DIRECTLY BENEATH THE BALLASTS AS SHOWN ON THE DRAWINGS. THIS MATERIAL SHALL BE PLACED AT A MINIMUM THICKNESS OF 6-INCHES AND SHALL BE IN DIRECT CONTACT WITH THE BALLAST BLOCKS. THIS MATERIAL SHALL CONSIST OF CLEAN HARD, DURABLE CRUSHED ROCK OR CRUSHED GRAVEL STONE, FREE FROM LOAM AND CLAY AND DELETERIOUS MATERIAL. THIS MATERIAL SHALL MEET THE FOLLOWING GRADATION :

SIEVE DESIGNATION	PERCENT PASSING
3.5-INCH	100
1.5-INCH	55-100
1/4-INCH	25-60
NO. 10	15-45
NO. 40	5-25
NO. 100	0-10
NO. 200	0-5

PRIOR TO USE, THE DENSE GRADED CRUSHED STONE SHALL BE TESTED FOR APPROVAL AS DESCRIBED BELOW IN SECTION 2.0 AND SHALL BE PLACED AS DESCRIBED BELOW IN SECTION 3.0.

1.2 GRANULAR BASE MATERIAL

CLEAN GRANULAR BASE MAY BE USED BENEATH THE MINIMUM 6-INCH LAYER OF CRUSHED STONE FOR FILL OR GRADING MATERIAL. GRANULAR FILL SHALL CONSIST OF CTDOT MATERIAL M.02.03, GRANULAR BASE, OR APPROVED EQUAL. THIS MATERIAL SHALL MEET THE FOLLOWING GRADATION FOR CTDOT M.02.06 GRADING "C":

SIEVE DESIGNATION	PERCENT PASSING
1.5-INCH	100
3/4-INCH	45-85
1/4-INCH	25-60
NO. 10	15-45
NO. 40	5-25
NO. 100	0-10
NO. 200	0-5

PRIOR TO USE, THE GRANULAR BASE SHALL BE TESTED FOR APPROVAL AS DESCRIBED IN SECTION 2.0 AND SHALL BE PLACED AS DESCRIBED IN SECTION 3.0.

1.3 TOPSOIL

TOPSOIL SHALL CONSIST OF CTDOT MATERIAL M.13.01, TOPSOIL, OR APPROVED EQUAL. TOPSOIL SHALL NOT CONTAIN LESS THAN 6% NOR MORE THAN 20% ORGANIC MATERIAL AS DETERMINED BY LOSS ON IGNITION OF OVEN-DRIED SAMPLES DRIED AT 221 DEG. F (105 DEG C). TOPSOIL SHALL BE LOOSE AND FRIABLE AND FREE OF FROM REFUSE, STUMPS, ROOTS, BRUSH, WEEDS, ROCKS AND STONES OVER 1-1/4-INCHES IN DIAMETER. TOPSOIL SHALL ALSO BE FREE FROM ANY MATERIAL THAT WILL PRVENT THE FORMATION OF A SUITABLE SEEDBED OR PREVENT SEED GERMINATION AND PLANT GROWTH.

1.4 GEOSYNTHETICS:

- GENERAL:  
INSTALLATION OF GEOTEXTILE FABRICS SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND SPECIFIC LAYOUT PLANS AND DETAILS REVIEWED BY ENGINEER.
- WOVEN GEOTEXTILE:  
THE WOVEN GEOTEXTILE SHALL BE MIRAFI HP 770 FABRIC, BY MIRAFI INC., OR APPROVED EQUIVALENT. THE WOVEN GEOTEXTILE SHALL BE COMPOSED OF POLYPROPYLENE STABILIZED WITH CARBON BLACK TO RESIST ULTRAVIOLET DEGRADATION AND BE RESISTANT TO BIOLOGICAL AND CHEMICAL DEGRADATION DUE TO ALL NATURALLY OCCURRING ORGANISMS OR REAGENTS NORMALLY ENCOUNTERED IN NATURAL SOIL ENVIRONMENTS.
- NON-WOVEN GEOTEXTILE:  
THE NON-WOVEN GEOTEXTILE SHALL BE MIRAFI 140N FABRIC, BY MIRAFI INC., OR APPROVED EQUIVALENT. THE NON-WOVEN GEOTEXTILE SHALL BE COMPOSED OF POLYPROPYLENE FIBERS AND SHALL BE INERT TO BIOLOGICAL DEGRADATION AND RESISTANT TO NATURALLY ENCOUNTERED CHEMICALS, ALKALIS, AND ACIDS.
- GEOGRID  
THE GEOGRID SHALL BE MIRAFI BXG110, BY MIRAFI INC., OR APPROVED EQUIVALENT.

2.0 BORROW SOURCE TESTING REQUIREMENTS

PRIOR TO USE, BORROW SOURCE TESTING, INCLUDING GEOTECHNICAL CHARACTERIZATION REQUIREMENTS, SHALL BE CONDUCTED ON ALL SOIL MATERIALS PROPOSED FOR CONSTRUCTION AND SUBMITTED TO THE ENGINEER TO ASSESS CONFORMANCE TO MATERIAL SPECIFICATIONS.

3.0 MATERIAL PLACEMENT AND FIELD QUALITY CONTROL REQUIREMENTS

- DO NOT PLACE FILL MATERIAL ON SURFACES THAT ARE MUDDY, FROZEN, OR CONTAIN FROST OR ICE.
- SURFACES ON WHICH THE GEOTEXTILE WILL BE PLACED SHALL BE PREPARED TO A RELATIVELY SMOOTH SURFACE CONDITION. SURFACES SHALL BE FREE FROM OBSTRUCTION, DEBRIS, DEPRESSIONS, OR EROSION FEATURES. VEGETATION SHALL BE MOWED AS SHORT AS POSSIBLE PRIOR TO PLACEMENT OF GEOTEXTILE FABRIC. ANY IRREGULARITIES SHALL BE REMOVED SO AS TO ENSURE CONTINUOUS, INTIMATE CONTACT OF THE GEOTEXTILE WITH THE SURFACE. ANY LOOSE MATERIAL, SOFT OR LOW DENSITY POCKETS OF MATERIAL, SHALL BE REMOVED, FILLED WITH SUITABLE SUBGRADE FILL, AND COMPACTED. EROSION FEATURES SUCH AS RILLS AND GULLIES MUST BE GRADED OUT OF THE SURFACE BEFORE GEOTEXTILE PLACEMENT.
- AT THE TIME OF INSTALLATION, FABRIC SHALL BE REJECTED IF IT HAS DEFECTS, RIPS, HOLES, FLAWS, DETERIORATION OR DAMAGE INCURRED DURING MANUFACTURE, TRANSPORTATION OR STORAGE.
- PLACE FABRIC WITH THE LONG DIMENSION PARALLEL TO THE CENTERLINE OF THE BALLASTS AND LAY SMOOTH AND FREE OF TENSION, STRESS, FOLDS, WRINKLES, OR CREASES.
- CRUSHED STONE SHALL BE PLACED IN MAXIMUM 6-INCH LOOSE LIFTS AND COMPACTED WITH 3 PASSES, IN BOTH DIRECTIONS BY A SMOOTH DRUM ROLLER COMPACTOR (ACCESS ROAD AREAS) OR BY A PLATE COMPACTOR (BALLAST BLOCK AND SUPPORT BLOCK GRAVEL BASE AREAS) TO A FIRM AND NON-YIELDING CONDITION.
- THE MAXIMUM ALLOWABLE GROUND PRESSURE ON THE LANDFILL SURFACE IS 7 PSI. ALL MATERIAL AND BALLAST BLOCK PLACEMENT ON THE SURFACE OF THE LANDFILL (BEYOND THE LIMITS OF THE PROPOSED ACCESS ROADS) SHALL BE PERFORMED USING LOW GROUND PRESSURE EQUIPMENT.
- THE MAXIMUM ALLOWABLE CROSS-SLOPE (PERPENDICULAR TO THE BALLAST BLOCKS) IS 5%. AT LIMITED LOCATIONS WHERE EXISTING SLOPE BETWEEN THE 2 BALLAST BLOCKS ON THE SAME RACK IS GREATER THAN 10%, CONTRACTOR SHALL SHIM THE LOWER BLOCK TO MEET THE 10% MAXIMUM SLOPE, USING ADDITIONAL DENSE GRADE CRUSHED STONE MEETING THE MATERIAL SPECIFICATIONS OF SECTION 1.1.

EROSION AND SEDIMENTATION CONTROL PLAN:

THIS PLAN HAS BEEN DEVELOPED TO PROVIDE A STRATEGY FOR CONTROLLING SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION OF THE PROPOSED PROJECT.

THIS PLAN IS BASED ON STANDARDS AND SPECIFICATIONS FOR EROSION PREVENTION IN DEVELOPING AREAS AS CONTAINED IN 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.

GENERAL EROSION AND SEDIMENTATION CONSTRUCTION DETAIL NOTES:

DURING CONSTRUCTION THE CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO SCHEDULE EARTHWORK OPERATIONS SUCH THAT THE AREA OF EXPOSED AND DISTURBED SOIL IS MINIMIZED. CONSTRUCTION SHALL BE PHASED TO REDUCE THE AREA OF DISTURBED SOIL AT ANY ONE TIME. UPGRADIENT STORMWATER DIVERSION AND DISPERSION MEASURES SHALL BE INSTALLED WHERE APPROPRIATE. AFTER ACHIEVING ROUGH GRADE OF A PORTION OF THE SITE AND PRIOR TO EXTENDING EARTHWORK OPERATIONS, THE CONTRACTOR SHALL STABILIZE DISTURBED AREAS BY LAYING DOWN TEMPORARY MULCH UNTIL FINAL GRADE IS REACHED. ALL CUT AND FILL SLOPES SHALL BE STABILIZED UPON COMPLETION. THE FOLLOWING MEASURES WILL BE UNDERTAKEN TO PROVIDE MAXIMUM PROTECTION TO THE SOIL, WATER, AND ABUTTING LANDS:

- NO EROSION/SEDIMENTATION CONTROL DEVICE SHALL PENETRATE THE EXISTING LANDFILL COVER MATERIALS WITHIN THE LIMITS OF WASTE.
- PRIOR TO GRUBBING OR ANY EARTH MOVING OPERATION, SEDIMENT BARRIERS, OR OTHER APPROPRIATE BEST MANAGEMENT PRACTICE (BMP) SHALL BE INSTALLED ACROSS THE SLOPE ON THE CONTOUR AT THE DOWNHILL LIMIT OF THE WORK AS PROTECTION AGAINST CONSTRUCTION RELATED EROSION. INSTALL ALL NECESSARY STORMWATER DIVERSIONS AND DISPERSION MEASURES.
- PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN FOURTEEN (14) CALENDAR DAYS AFTER FINAL GRADING HAS BEEN COMPLETED. WHEN IT IS NOT POSSIBLE OR PRACTICAL TO PERMANENTLY STABILIZE DISTURBED LAND, TEMPORARY EROSION CONTROL MEASURES SHALL BE IMPLEMENTED ON DISTURBED AREAS INCLUDING STOCKPILES WITHIN FOURTEEN (14) CALENDAR DAYS OF EXPOSURE OF SOIL OR FORMATION OF PILES UNLESS THESE AREAS ARE TO BE SUBSEQUENTLY SURFACED. ALL DISTURBED AREAS SHALL BE MULCHED FOR EROSION CONTROL UPON COMPLETION OF ROUGH GRADING.
- ANY EXPOSED SLOPES 3:1 OR GREATER SHALL BE STABILIZED WITH EROSION CONTROL BLANKET TO PREVENT EROSION DURING CONSTRUCTION AND TO FACILITATE REVEGETATION AFTER TOPSOILING AND SEEDING. SEE DETAIL 4 ON C501.
- EXISTING TOPSOIL SHALL BE SAVED, STOCKPILED, AND REUSED AS MUCH AS POSSIBLE ON SITE. SEDIMENT BARRIER SHALL BE INSTALLED AT THE BASES OF STOCKPILES AT THE DOWNHILL LIMITS TO PROTECT AGAINST EROSION. STOCKPILES SHALL BE STABILIZED BY SEEDING AND MULCHING UPON FORMATION OF THE PILES. UPGRADIENT OF THE STOCKPILES, STABILIZED DITCHES AND/OR BERMS SHALL BE CONSTRUCTED TO DIVERT STORMWATER RUNOFF AWAY FROM THE PILES.
- INTERCEPTED SEDIMENT SHALL BE REMOVED AND SHALL BE DEPOSITED TO AN AREA THAT SHALL NOT CONTRIBUTE TO OFF-SITE SEDIMENTATION, AND SHALL BE PERMANENTLY STABILIZED.
- ADDITIONAL EROSION CONTROL METHODS SHALL BE IMPLEMENTED IF CONSTRUCTION OCCURS AFTER DECEMBER 15TH. ALL DISTURBED AREAS SHALL BE MINIMIZED TO THE EXTENT POSSIBLE. PRIOR TO FREEZING, ADDITIONAL EROSION CONTROL DEVICES SHALL BE INSTALLED AS APPROVED BY THE ENGINEER. INSPECTION OF THESE EROSION CONTROL ITEMS SHALL BE FREQUENT, WITH PARTICULAR ATTENTION PAID TO WEATHER PREDICTIONS TO ENSURE THAT THESE MEASURES ARE PROPERLY IN PLACE TO HANDLE LARGE QUANTITIES OF RUNOFF RESULTING FROM HEAVY RAINS AND/OR EXCESSIVE THAWS.
- GENERAL EROSION AND SEDIMENTATION CONTROL ACTIONS SHALL INCLUDE THE FOLLOWING:
  - MARK SOIL DISTURBANCE LIMITS
  - INSTALL SEDIMENT BARRIERS BEFORE DISTURBING ANY SOILS
  - DIVERT AND DISPERSE STORM WATER RUNOFF TO UNDISTURBED AREAS WHEREVER POSSIBLE
  - MULCH DISTURBED AREAS
  - PROTECT STEEP SLOPES
  - INSPECT AND REPAIR EROSION CONTROLS AND SEDIMENT BARRIERS
  - REMOVE ACCUMULATED SEDIMENT

TYPICAL SEQUENCE OF CONSTRUCTION:

PRIOR TO THE DEVELOPMENT OF THE SITE, EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS. SITE DEVELOPMENT SCHEDULING SHALL TAKE INTO CONSIDERATION THE GROWING SEASON, SUCH THAT BULK OF THE EARTHWORK IS NOT INITIATED DURING A PERIOD WHEN VEGETATIVE STABILIZATION CANNOT BE ACHIEVED WITHIN 14 DAYS OF COMPLETING THE EARTHWORK IN A GIVEN AREA. A TYPICAL SEQUENCE OF CONSTRUCTION IS:

- PRIOR TO STARTING ANY WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL OBTAIN ALL PERMITS, NOTIFY APPROPRIATE OFFICIALS, INCLUDING THE TOWN OF MONTVILLE DEPARTMENT OF PUBLIC WORKS DIRECTOR, OF CONSTRUCTION COMMENCEMENT, AND SUBMIT CONSTRUCTION TIMETABLE.
- ON-SITE CONSTRUCTION SHALL START WITH INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE PROPOSED SITE PLAN SHEETS. THIS INCLUDES STRAW WATTLES, CONSTRUCTION ENTRANCE/EXIT, AND OTHER MEASURES NOTED ON THE PLAN. NO WORK SHALL TAKE PLACE UNTIL THE ENGINEER HAS INSPECTED AND APPROVED INSTALLED MEASURES. NO EROSION/SEDIMENTATION CONTROL DEVICE SHALL PENETRATE THE EXISTING LANDFILL COVER MATERIALS WITHIN THE LIMITS OF WASTE.
- STOCKPILED TOPSOIL SHALL BE SEEDED AND MULCHED WHEN IT IS TO BE STORED MORE THAN 30 DAYS FROM TIME OF STOCKPILING. STOCKPILES SHALL NOT BE PLACED WITHIN THE LIMITS OF THE LANDFILL OR WITHIN THE 100' WETLAND BUFFER ZONE. SEE SHEET C502 FOR A TYPICAL TEMPORARY STOCKPILE DETAIL.
- CONSTRUCT GRAVEL ACCESS ROADS. INSTALL ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED TO PREVENT EROSION OF GRAVEL SURFACE.
- PROCEED WITH SOLAR PHOTOVOLTAIC (PV) SYSTEM INSTALLATION/CONSTRUCTION WORK.
- REPAIR ALL DISTURBED AREAS, AND REAPPLY LOAM AND SEED WHERE NECESSARY.
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL AFTER THE SITE IS STABILIZED AND FINAL ACCEPTANCE IS GIVEN BY THE ENGINEER.

DUST CONTROL:

- CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED SO THAT A MINIMUM AMOUNT OF OF DISTURBED SOIL IS EXPOSED AT ONE TIME.
- DUST SHALL BE CONTROLLED ON CONSTRUCTION ROUTES AND OTHER DISTURBED AREAS SUBJECT TO SURFACE DUST MOVEMENT AND DUST BLOWING.
- MAINTAIN DUST CONTROL MEASURES PROPERLY THROUGH DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
- DUST CONTROL METHODS SHALL INCLUDE VEGETATIVE COVER, MULCH (INCLUDING GRAVEL MULCH), WATER SPRINKLING, STONE, AND BARRIERS.
- VEGETATIVE COVER - FOR DISTURBED AREAS NOT SUBJECT TO TRAFFIC, VEGETATION PROVIDES THE MOST PRACTICAL METHOD OF DUST CONTROL.
- MULCH (INCLUDING GRAVEL MULCH) - WHEN PROPERLY APPLIED, MULCH OFFERS A FAST, EFFECTIVE MEANS OF CONTROLLING DUST.
- SPRINKLING - THE SITE MAY BE SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. SPRINKLING IS ESPECIALLY EFFECTIVE FOR DUST CONTROL ON HAUL ROADS AND OTHER TRAFFIC ROUTES. THE GROUND SURFACE SHALL NOT BE WATERED EXCESSIVELY, RUNOFF SHALL NOT OCCUR.
- STONE - USED TO STABILIZE CONSTRUCTION ROADS; CAN ALSO BE EFFECTIVE FOR DUST CONTROL.
- BARRIERS - A BOARD FENCE, WIND FENCE, SEDIMENT FENCE, OR SIMILAR BARRIER CAN CONTROL AIR CURRENTS AND BLOWING SOIL. ALL OF THESE FENCES ARE NORMALLY CONSTRUCTED OF WOOD AND THEY PREVENT EROSION BY OBSTRUCTING THE WIND NEAR THE GROUND AND PREVENTING THE SOIL FROM BLOWING OFFSITE.

MONITORING PROGRAM:

- EROSION AND SEDIMENTATION CONTROLS WILL BE PERIODICALLY INSPECTED BY THE ENGINEER DURING INSTALLATION OF BALLAST BLOCK FOUNDATIONS. EROSION AND SEDIMENTATION CONTROLS SHALL BE INSPECTED BY THE CONTRACTOR AT LEAST ONCE EVERY 14 CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.25 INCHES OR GREATER. ALL STRUCTURES DAMAGED BY CONSTRUCTION EQUIPMENT, VANDALS, OR THE ELEMENTS SHALL BE REPAIRED IMMEDIATELY. ALL DAMAGED STRUCTURES SHALL BE REPAIRED AND/OR ADDITIONAL EROSION CONTROL STRUCTURES SHALL BE INSTALLED PRIOR TO CONTINUING THE CONSTRUCTION. TRAPPED SEDIMENT SHALL BE REMOVED BEFORE IT HAS ACCUMULATED TO ONE-HALF FOOT DEEP AT THE INSTALLED SEDIMENT BARRIER. DEVICES NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION SHALL ALSO BE REPAIRED AND/OR REPLACED AS REQUIRED. RUTTING OR EXPOSED SOIL SHALL BE REPAIRED TO PREVENT EROSION AND OTHERWISE MITIGATED AS NECESSARY TO MINIMIZE FUTURE EROSION.
- FOLLOWING THE FINAL SEEDING, THE SITE SHALL BE INSPECTED TO ENSURE THAT THE VEGETATION HAS BEEN ESTABLISHED (70% COVER ACHIEVED). IN THE EVENT OF ANY UNSATISFACTORY GROWTH, RESEEDING WILL BE CARRIED OUT, WITH FOLLOW-UP INSPECTION.
- AFTER THE CONSTRUCTION INSPECTOR HAS DETERMINED THAT THE PROJECT AREA HAS BEEN STABILIZED, THE CONTRACTOR SHALL REMOVE ALL SEDIMENT BARRIERS, TEMPORARY SEDIMENTATION CONTROL RISERS, AND ANY OTHER TEMPORARY EROSION CONTROL MEASURES.

SEEDING AND REVEGETATION PLAN:

UPON COMPLETION OF SITE CONSTRUCTION, ALL AREAS PREVIOUSLY DISTURBED SHALL BE TREATED AS STATED BELOW. THESE AREAS WILL BE CLOSELY MONITORED BY THE CONTRACTOR UNTIL SUCH TIME AS A SATISFACTORY GROWTH OF VEGETATION IS ESTABLISHED. SATISFACTORY GROWTH SHALL MEAN A MINIMUM OF 70% OF THE AREA IS VEGETATED WITH VIGOROUS GROWTH.

- TOPSOIL WILL BE SPREAD OVER ALL DISTURBED AREAS TO BE REVEGETATED AND SHALL BE GRADED TO A DEPTH OF FOUR (4) TO SIX (6) INCHES.
- FERTILIZER AT A 10-10-10 PROPORTION SHALL BE MIXED WITH HYDROSEED (AND LIME, IF REQUIRED) AT A RATE OF 300 LBS. PER ACRE.
- WOOD FIBER MULCH SHALL BE APPLIED AT A RATE OF 2,000 LBS. PER ACRE FOR MAXIMUM MOISTURE RETENTION RESULTS.
- DISTURBED AREAS SHALL BE SEEDED USING ONE OF THE FOLLOWING MIXES AS DIRECTED BY THE OWNER AND ENGINEER DEPENDING ON THE TIME OF YEAR AND AMOUNT OF SEEDING REQUIRED:
  - CT PERMANENT SEED MIX: AT THE RATE OF 1 LB. PER 1,000 SQ. FT. OF THE FOLLOWING MIXTURE: 45% KENTUCKY BLUEGRASS, 45% CREEPING RED FESCUE, AND 10% PERENNIAL RYEGRASS (CTDEEP PERMANENT SEED MIX, NO. 1). SEEDING SHOULD BE PLANTED TO A DEPTH OF 1/4 TO 1/2 INCHES. SEEDING METHODS MAY BE DRILL SEEDINGS, BROADCASTS AND ROLLED, CULTIPACKED, OR TRACKED WITH A SMALL TRACK PIECE OF CONSTRUCTION EQUIPMENT, OR HYDROSEEDING, WITH SUBSEQUENT TRACKING. TACKIFIER SHALL BE USED IN HYDROSEED TO HELP IT ADHERE TO THE SOIL AND ANY SLOPES PROPERLY.
- SEEDING SHALL BE COMPLETED BETWEEN THE DATES OF APRIL 1 THROUGH JUNE 15 AND AUGUST 15 THROUGH OCTOBER 1. WATERING MAY BE REQUIRED DURING DRY PERIODS.
- STEEP SLOPES (3:1 AND STEEPER), IF ENCOUNTERED, SHALL BE STABILIZED BY INSTALLING EROSION CONTROL BLANKET (E.G., NORTH AMERICAN GREEN OR EXCELSIOR). SEE DETAIL 4 ON C501.
- IF FINAL SEEDING OF THE DISTURBED AREA IS NOT COMPLETED BY OCTOBER 1ST OF THE YEAR OF CONSTRUCTION THEN, WITHIN THE NEXT 10 CALENDAR DAYS, THESE AREAS SHALL BE GRADED AND SMOOTHED, THEN SEEDED TO A WINTER COVER CROP OF WINTER RYE AT A RATE OF 3 LBS. PER 1,000 SQ. FT. THE FOLLOWING SHALL BE INCORPORATED INTO THE SOIL PRIOR TO WINTER RYE SEEDING: GROUND LIMESTONE AT A RATE OF 100 LBS. PER 1,000 SQ. FT., FOLLOWED BY A 10-10-10 FERTILIZER AT A RATE OF 14 LBS. PER 1,000 SQ. FT. HAY MULCH SHALL BE APPLIED AT A RATE OF 100 LBS. PER 1,000 SQ. FT. FOLLOWING SEEDING. IF THE WINTER RYE SEEDING CANNOT BE COMPLETED BY OCTOBER 1, OR DOES NOT MAKE ADEQUATE GROWTH BY NOVEMBER 1, THEN ON THAT DATE, HAY MULCH SHALL BE APPLIED AT THE RATE OF 100 LBS. PER 1,000 SQ. FT. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS SHALL BE USED ON HAY MULCH FOR WIND CONTROL. EROSION CONTROL BLANKET WILL BE INSTALLED ON STEEP SLOPES (3:1 AND STEEPER) AND ON AREAS OF CONCENTRATED FLOWS.
- INSPECT SEEDED AREAS FOR FAILURE AND MAKE NECESSARY REPAIRS AND RESEED IMMEDIATELY. CONDUCT A FOLLOW-UP SURVEY AFTER ONE YEAR AND RESEED WHERE NECESSARY.
- IF THERE ARE AREAS WITH LESS THAN 40% COVER, REEVALUATE CHOICE OF PLANT MATERIALS AND QUANTITIES OF LIME AND FERTILIZER. IF THE SEASON PREVENTS RESOWING, MULCH OR JUTE NETTING IS AN EFFECTIVE TEMPORARY COVER.
- SEEDED AREAS SHOULD BE FERTILIZED DURING THE SECOND GROWING SEASON.
- LIME AND FERTILIZE THEREAFTER AT PERIODIC INTERVALS, AS NEEDED.
- ALL SEDIMENT CONTROL STRUCTURES WILL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED AS DETERMINED BY THE TOWN OF MONTVILLE LAND USE DEPARTMENT.

POST CONSTRUCTION MAINTENANCE OF VEGETATION:

VCP MONTVILLE LF LLC WILL PERIODICALLY MOW VEGETATION ALONG THE ACCESS ROAD AND WITHIN THE SOLAR PV FACILITY. AT A MINIMUM, VEGETATION MAINTENANCE WILL BE PERFORMED ON A QUARTERLY BASIS.

PROJECT DECOMMISSIONING/REMOVAL:

DECOMMISSIONING AND SITE RESTORATION WILL INCLUDE DISMANTLING AND REMOVAL OF ALL PANELS AND SUPPORTING EQUIPMENT, TRANSFORMERS, OVERHEAD CABLES, FOUNDATIONS, AND RESTORATION OF THE ROADS AND MODULE SITES TO SUBSTANTIALLY THE SAME PHYSICAL CONDITION THAT EXISTED IMMEDIATELY BEFORE CONSTRUCTION OF THE FACILITY. TO THE EXTENT POSSIBLE, THE SITE WILL BE RESTORED AND RECLAIMED TO THE TOPOGRAPHY AND TOPSOIL QUALITY THAT EXISTED PRIOR TO THE CONSTRUCTION OF THE SOLAR ARRAY. DISTURBED EARTH WILL BE GRADED AND RESEEDED.

Project:  
  
TOWN OF MONTVILLE  
LANDFILL  
SOLAR PV DEVELOPMENT

669 ROUTE 163  
MONTVILLE, CT 06353



WESTON & SAMPSON ENGINEERS, INC.  
712 BROOK STREET, SUITE 103  
ROCKY HILL, CT 06067  
860.513.1473 800.SAMPSON  
www.westonandsampson.com

Applicant:

**VEROGY**

VCP MONTVILLE LF, LLC  
124 LASALLE ROAD  
2ND FLOOR  
WEST HARTFORD, CT 06107  
TEL: (860) 288-7219  
WWW.VEROGY.COM

Revisions:		
3	07/19/2023	REVISED PER TOWN COMMENTS
2	06/27/2023	REVISED PER TOWN COMMENTS
1	06/21/2023	ISSUED FOR DEEP PERMITTING
0	06/06/2023	ISSUED FOR PERMITTING
No.	Date	Description

Seal:

Issued For:

PERMITTING

Scale:	AS SHOWN
Date Created:	06/06/2023
Drawn By:	DED
Reviewed By:	NVA
Approved By:	RJB
W&S Project No.:	ENG23-0165
W&S File No.:	Verogy Montville

Drawing Title:

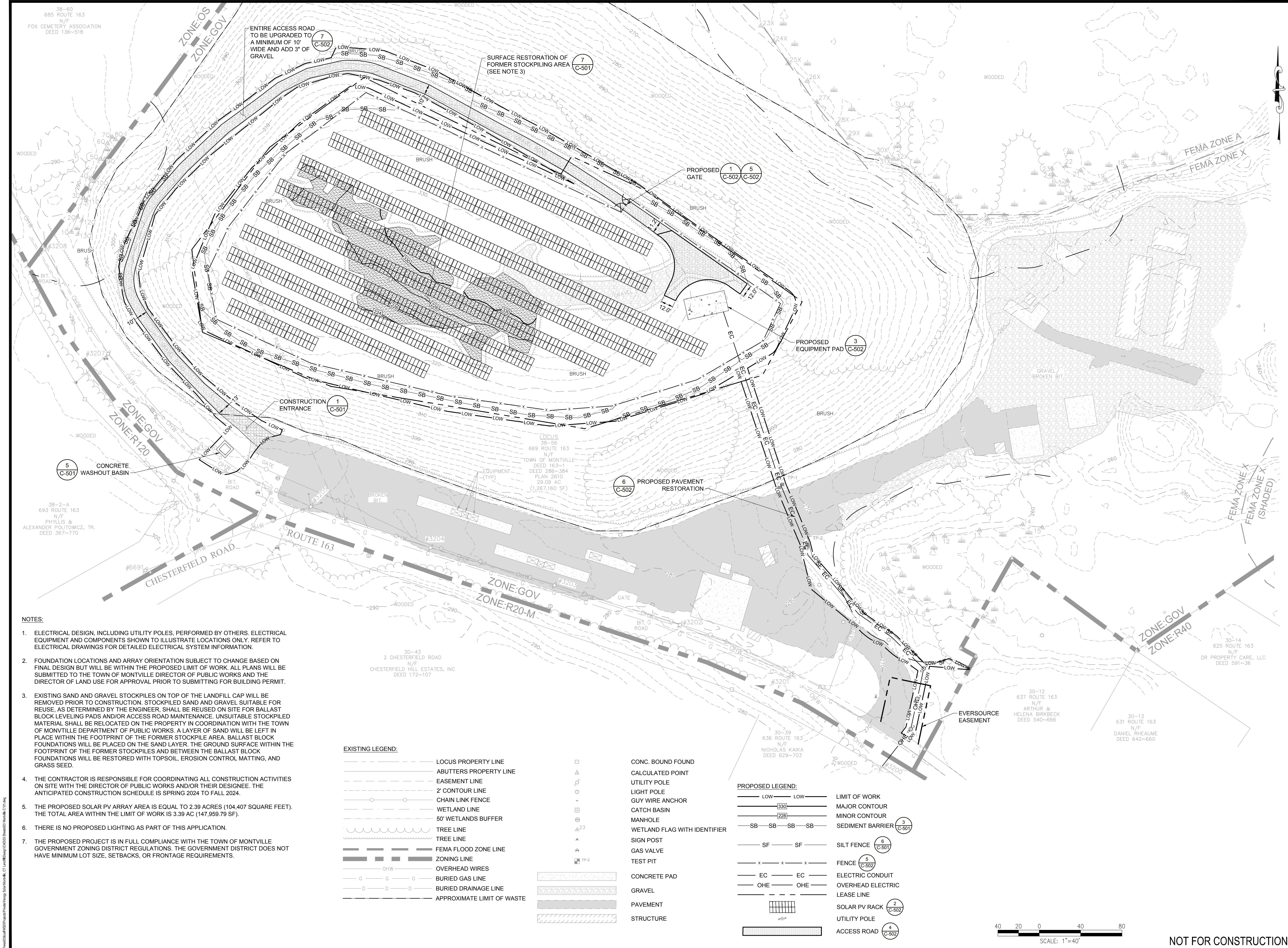
NOTES AND SPECIFICATIONS

Sheet Number:

C001

NOT FOR CONSTRUCTION





NOTES:

- ELECTRICAL DESIGN, INCLUDING UTILITY POLES, PERFORMED BY OTHERS. ELECTRICAL EQUIPMENT AND COMPONENTS SHOWN TO ILLUSTRATE LOCATIONS ONLY. REFER TO ELECTRICAL DRAWINGS FOR DETAILED ELECTRICAL SYSTEM INFORMATION.
- FOUNDATION LOCATIONS AND ARRAY ORIENTATION SUBJECT TO CHANGE BASED ON FINAL DESIGN BUT WILL BE WITHIN THE PROPOSED LIMIT OF WORK. ALL PLANS WILL BE SUBMITTED TO THE TOWN OF MONTVILLE DIRECTOR OF PUBLIC WORKS AND THE DIRECTOR OF LAND USE FOR APPROVAL PRIOR TO SUBMITTING FOR BUILDING PERMIT.
- EXISTING SAND AND GRAVEL STOCKPILES ON TOP OF THE LANDFILL CAP WILL BE REMOVED PRIOR TO CONSTRUCTION. STOCKPILED SAND AND GRAVEL SUITABLE FOR REUSE, AS DETERMINED BY THE ENGINEER, SHALL BE REUSED ON SITE FOR BALLAST BLOCK LEVELING PADS AND/OR ACCESS ROAD MAINTENANCE. UNSUITABLE STOCKPILED MATERIAL SHALL BE RELOCATED ON THE PROPERTY IN COORDINATION WITH THE TOWN OF MONTVILLE DEPARTMENT OF PUBLIC WORKS. A LAYER OF SAND WILL BE LEFT IN PLACE WITHIN THE FOOTPRINT OF THE FORMER STOCKPILE AREA. BALLAST BLOCK FOUNDATIONS WILL BE PLACED ON THE SAND LAYER. THE GROUND SURFACE WITHIN THE FOOTPRINT OF THE FORMER STOCKPILES AND BETWEEN THE BALLAST BLOCK FOUNDATIONS WILL BE RESTORED WITH TOPSOIL, EROSION CONTROL MATTING, AND GRASS SEED.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION ACTIVITIES ON SITE WITH THE DIRECTOR OF PUBLIC WORKS AND/OR THEIR DESIGNEE. THE ANTICIPATED CONSTRUCTION SCHEDULE IS SPRING 2024 TO FALL 2024.
- THE PROPOSED SOLAR PV ARRAY AREA IS EQUAL TO 2.39 ACRES (104,407 SQUARE FEET). THE TOTAL AREA WITHIN THE LIMIT OF WORK IS 3.39 AC (147,959.79 SF).
- THERE IS NO PROPOSED LIGHTING AS PART OF THIS APPLICATION.
- THE PROPOSED PROJECT IS IN FULL COMPLIANCE WITH THE TOWN OF MONTVILLE GOVERNMENT ZONING DISTRICT REGULATIONS. THE GOVERNMENT DISTRICT DOES NOT HAVE MINIMUM LOT SIZE, SETBACKS, OR FRONTAGE REQUIREMENTS.

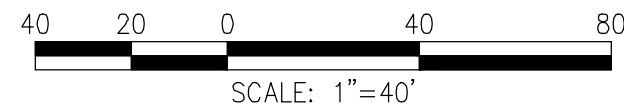
EXISTING LEGEND:

- LOCUS PROPERTY LINE
- ABUTTERS PROPERTY LINE
- EASEMENT LINE
- 2' CONTOUR LINE
- CHAIN LINK FENCE
- WETLAND LINE
- 50' WETLANDS BUFFER
- TREE LINE
- TREE LINE
- FEMA FLOOD ZONE LINE
- ZONING LINE
- OVERHEAD WIRES
- BURIED GAS LINE
- BURIED DRAINAGE LINE
- APPROXIMATE LIMIT OF WASTE

- CONC. BOUND FOUND
- CALCULATED POINT
- UTILITY POLE
- LIGHT POLE
- GUY WIRE ANCHOR
- CATCH BASIN
- MANHOLE
- WETLAND FLAG WITH IDENTIFIER
- SIGN POST
- GAS VALVE
- TEST PIT
- CONCRETE PAD
- GRAVEL
- PAVEMENT
- STRUCTURE

PROPOSED LEGEND:

- LOW LOW LIMIT OF WORK
- 330 MAJOR CONTOUR
- 228 MINOR CONTOUR
- SB SB SB SEDIMENT BARRIER (3 C-501)
- SF SF SILT FENCE (6 C-501)
- FENCE (5 C-502)
- EC EC ELECTRIC CONDUIT
- OHE OHE OVERHEAD ELECTRIC
- LEASE LINE
- SOLAR PV RACK (2 C-502)
- UTILITY POLE
- ACCESS ROAD (4 C-502)



NOT FOR CONSTRUCTION

Project:  
TOWN OF MONTVILLE  
LANDFILL  
SOLAR PV DEVELOPMENT

669 ROUTE 163  
MONTVILLE, CT 06353

Weston & Sampson

WESTON & SAMPSON ENGINEERS, INC.  
712 BROOK STREET, SUITE 103  
ROCKY HILL, CT 06067  
860.513.1473 800.SAMPSON  
www.westonandsampson.com

Applicant:

VEROGY

VCP MONTVILLE, LLC  
124 LASALLE ROAD  
2ND FLOOR  
WEST HARTFORD, CT 06107  
TEL: (860) 288-7215  
WWW.VEROGY.COM

Revisions:

No.	Date	Description
3	07/19/2023	REVISED PER TOWN COMMENTS
2	06/27/2023	REVISED PER TOWN COMMENTS
1	06/21/2023	ISSUED FOR DEEP PERMITTING
0	06/06/2023	ISSUED FOR PERMITTING

Seal:



Issued For:

PERMITTING

Scale: AS SHOWN

Date Created: 06/06/2023

Drawn By: DED

Reviewed By: NJVA

Approved By: RJB

W&S Project No.: ENG23-0165

W&S File No.: Verogy Montville

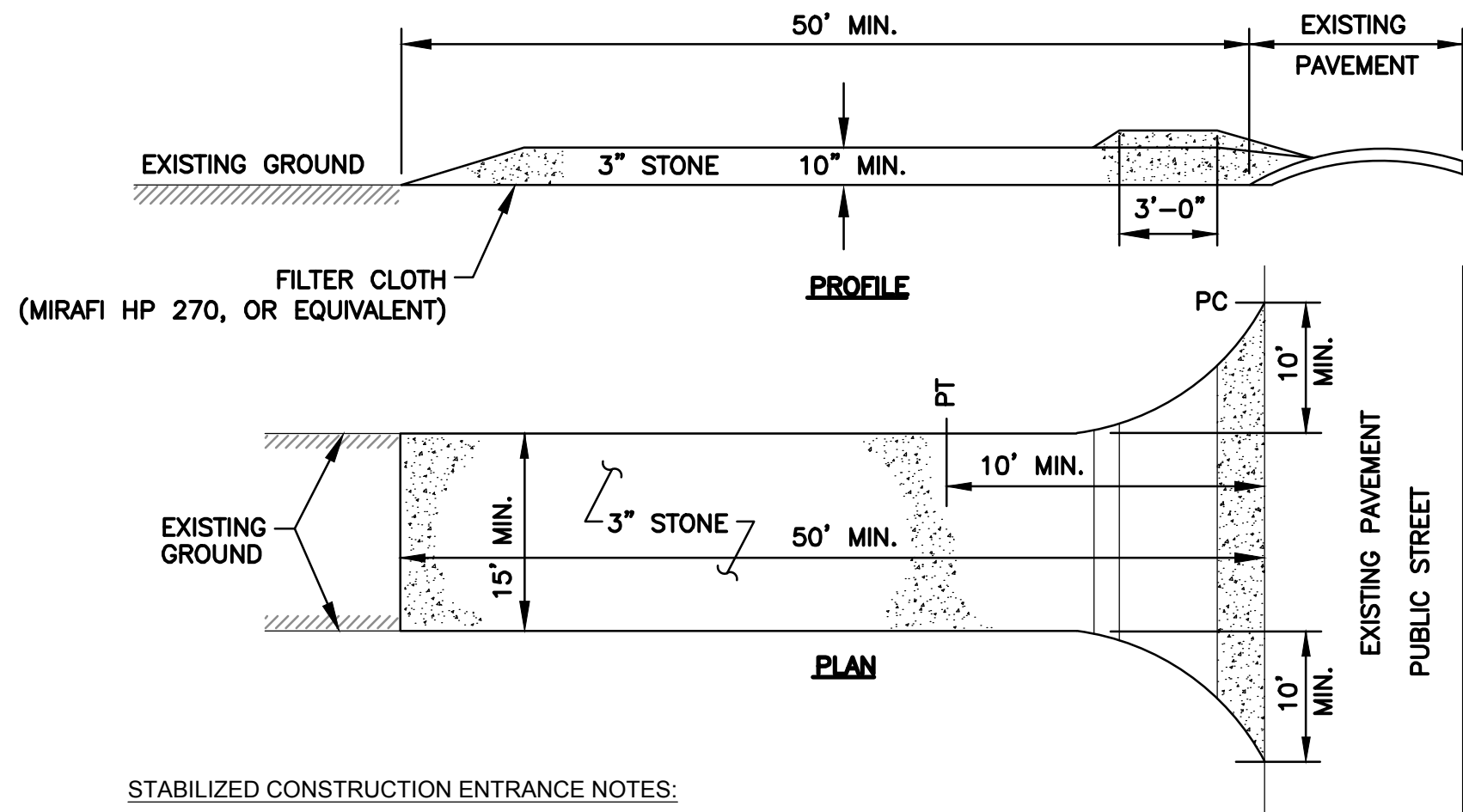
Drawing Title:

PROPOSED SITE PLAN /  
GRADING AND  
DRAINAGE PLAN

Sheet Number:

C101

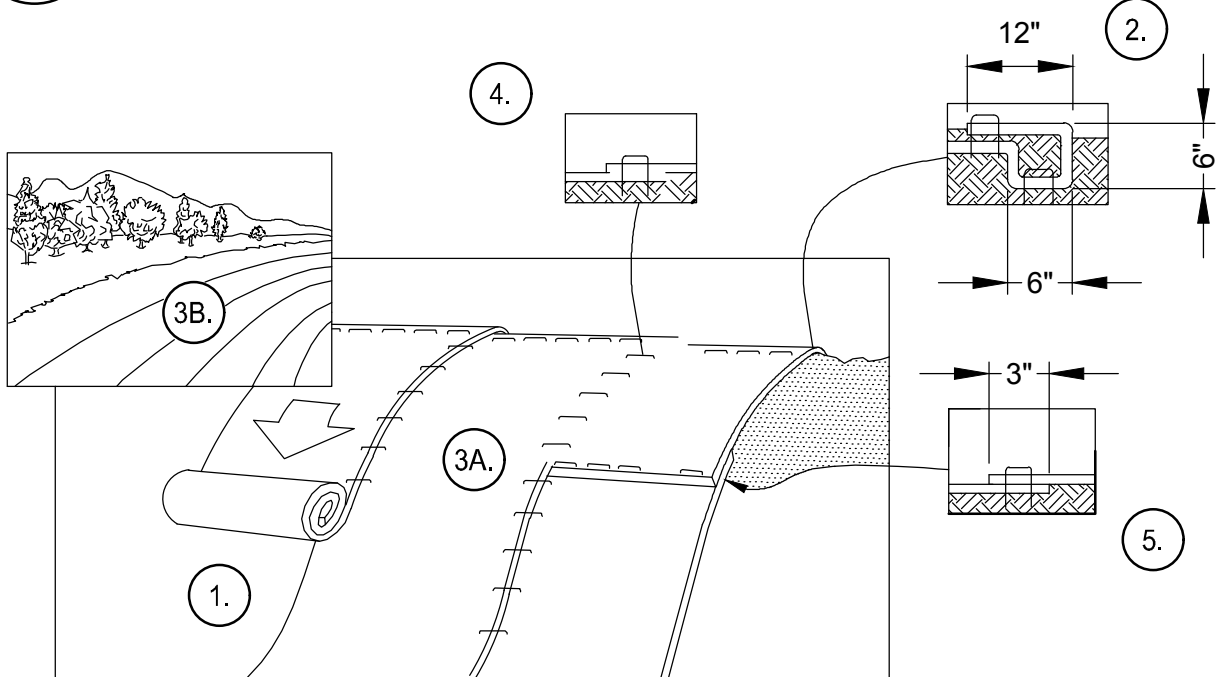




**STABILIZED CONSTRUCTION ENTRANCE NOTES:**

1. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA FOLLOWING GRADING (AS NEEDED) TO LEVEL PAD PRIOR TO PLACING OF STONE.
2. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
3. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED BY THE CONTRACTOR IMMEDIATELY.
4. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
5. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
6. AT THE CONCLUSION OF PROJECT, ANY ACCUMULATED SEDIMENT SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. REMOVAL OF ANTI-TRACKING PAD SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
7. P.C. = POINT OF CURVATURE
8. P.T. = POINT OF TANGENCY

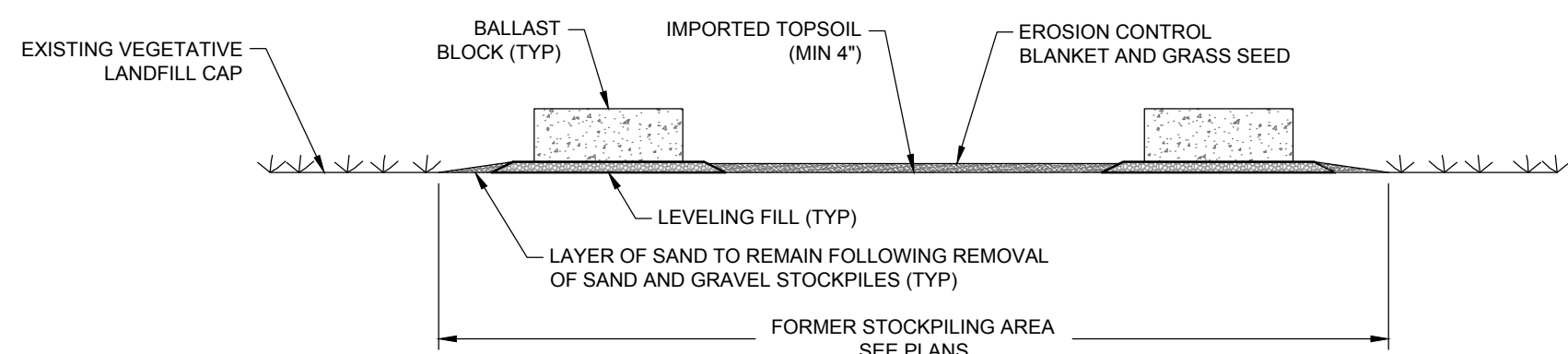
**1 CONSTRUCTION ENTRANCE**  
SCALE: N.T.S.



**NOTES:**

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.
6. ALL 3H:1V SLOPES SHALL BE STABILIZED WITH EROSION CONTROL BLANKETING. BLANKETING SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
7. ALL SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH PERMANENT TURF REINFORCEMENT MATTING OR RIPRAP.

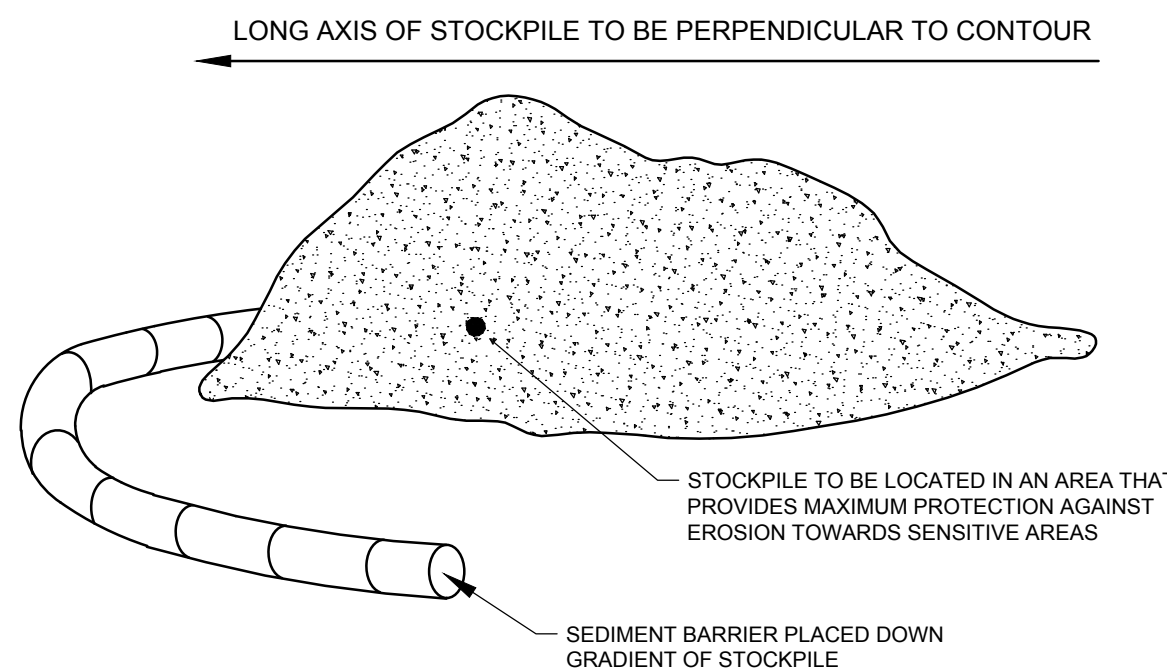
**4 TEMPORARY EROSION CONTROL BLANKET**  
SCALE: N.T.S.



**NOTES:**

1. SURFACE OF FORMER STOCKPILING AREA BETWEEN PROPOSED CONCRETE FOUNDATIONS TO BE RESTORED WITH TOPSOIL, EROSION CONTROL MATTING, AND GRASS SEED

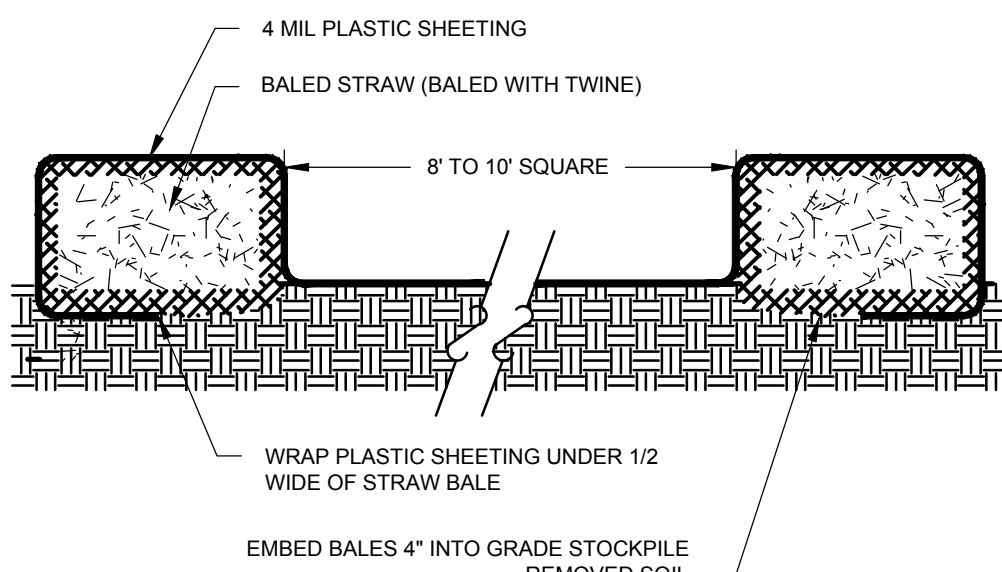
**7 SURFACE RESTORATION DETAIL FOR FORMER STOCKPILE AREA**  
SCALE: N.T.S.



**NOTES:**

1. STOCKPILE AREAS SHALL BE LOCATED OUTSIDE OF WETLANDS AND 50FT UPLAND REVIEW AREA.

**2 TEMPORARY STOCKPILE**  
SCALE: N.T.S.

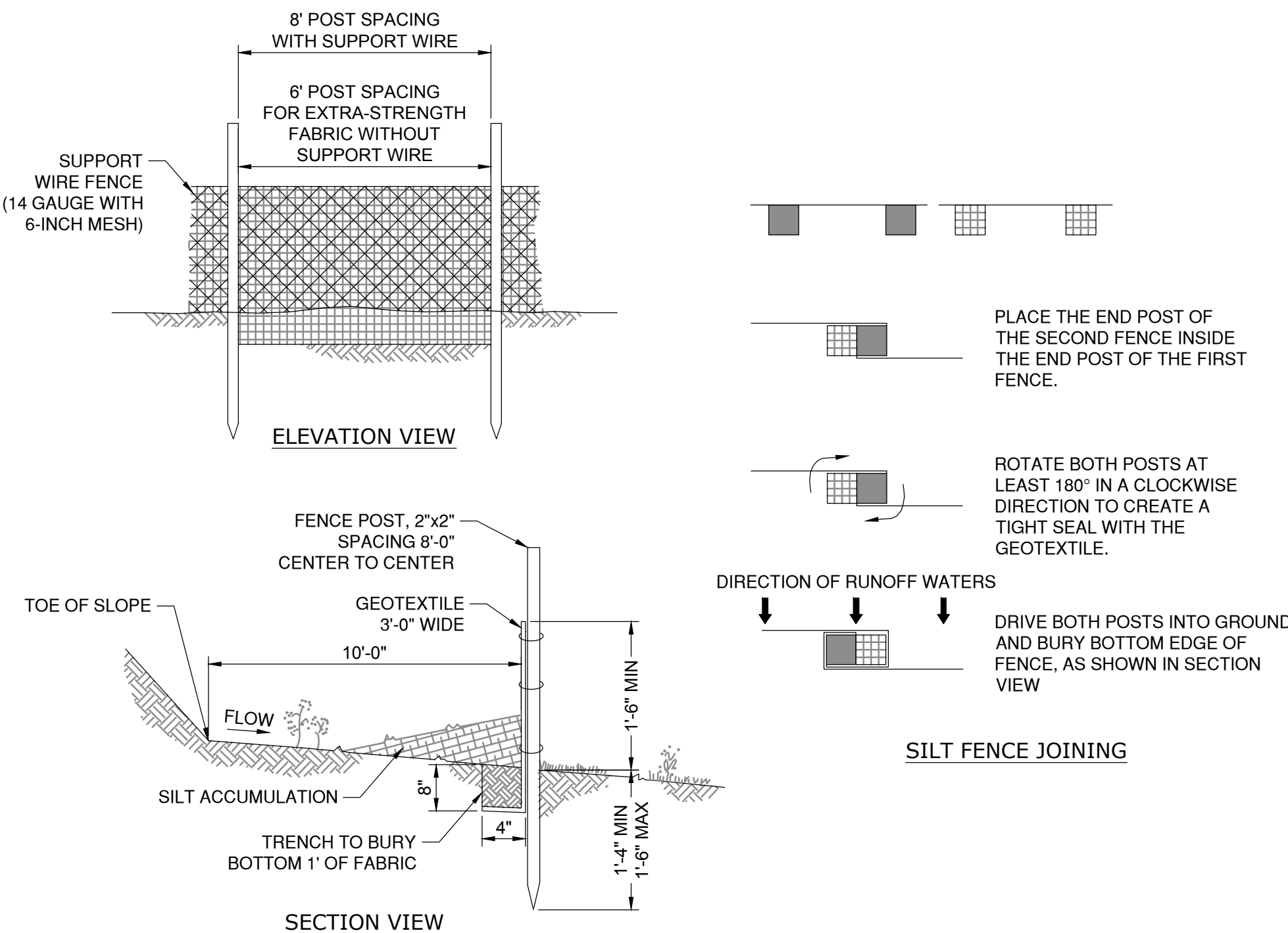


**NOTES:**

1. PLASTIC SHEETING SHALL BE FREE OF TEARS OR HOLES. AFTER BASIN IS USED, WASHWATER FROM WASHOUT BASIN SHALL EVAPORATE OR BE VACUUMED OUT. REMOVE REMAINING HARDENED SOLIDS. REPLACE PLASTIC SHEETING AND STRAWBALES AS REQUIRED.

**5 CONCRETE WASHOUT BASIN**  
SCALE: N.T.S.

**3 COMPOST SOCK SEDIMENT CONTROL BARRIER**  
SCALE: N.T.S.



**NOTES:**

1. GEOTEXTILE TO BE FASTENED SECURELY TO FENCE POST BY USE OF WIRE TIES OR HOG RINGS (3 FASTENERS PER POST). USE REINFORCEMENT BETWEEN FASTENER AND FABRIC TO PREVENT TEAR-OUT.
2. BURY BOTTOM 1'-0" OF GEOTEXTILE IN TRENCH (8" DEEP X 4" WIDE) REPLACE SOIL AND TAMP IN PLACE.
3. ENDS OF INDIVIDUAL ROLLS OF GEOTEXTILE SHALL BE SECURELY FASTENED TOGETHER AS SHOWN. FASTENERS SHALL BE PROVIDED AS SPECIFIED IN NOTE 1 ABOVE. SPLICING OF INDIVIDUAL ROLLS SHALL NOT OCCUR AT LOW POINTS.
4. SILT FENCING SHALL NOT BE INSTALLED ON THE LANDFILL CAP

**6 SILT FENCE**  
SCALE: N.T.S.

Project:  
**TOWN OF MONTVILLE  
LANDFILL  
SOLAR PV DEVELOPMENT**

669 ROUTE 163  
MONTVILLE, CT 06353

**Weston & Sampson**

WESTON & SAMPSON ENGINEERS, INC.  
712 BROOK STREET, SUITE 103  
ROCKY HILL, CT 06067  
860.513.1473 800.SAMPSON  
www.westonandsampson.com

Applicant:

**VEROGY**

VCP MONTVILLE L.F., LLC  
124 LASALLE ROAD  
2ND FLOOR  
WEST HARTFORD, CT 06107  
TEL: (860) 288-7215  
WWW.VEROGY.COM

Revisions:		
3	07/19/2023	REVISED PER TOWN COMMENTS
2	06/27/2023	REVISED PER TOWN COMMENTS
1	06/21/2023	ISSUED FOR DEEP PERMITTING
0	06/06/2023	ISSUED FOR PERMITTING
No.	Date	Description

Seal:



Issued For:

**PERMITTING**

Scale: AS SHOWN

Date Created: 06/06/2023

Drawn By: DED

Reviewed By: NJWA

Approved By: RJB

W&S Project No.: ENG23-0165

W&S File No.: Verogy Montville

Drawing Title:

**DETAILS I**

Sheet Number:

**C501**

NOT FOR CONSTRUCTION

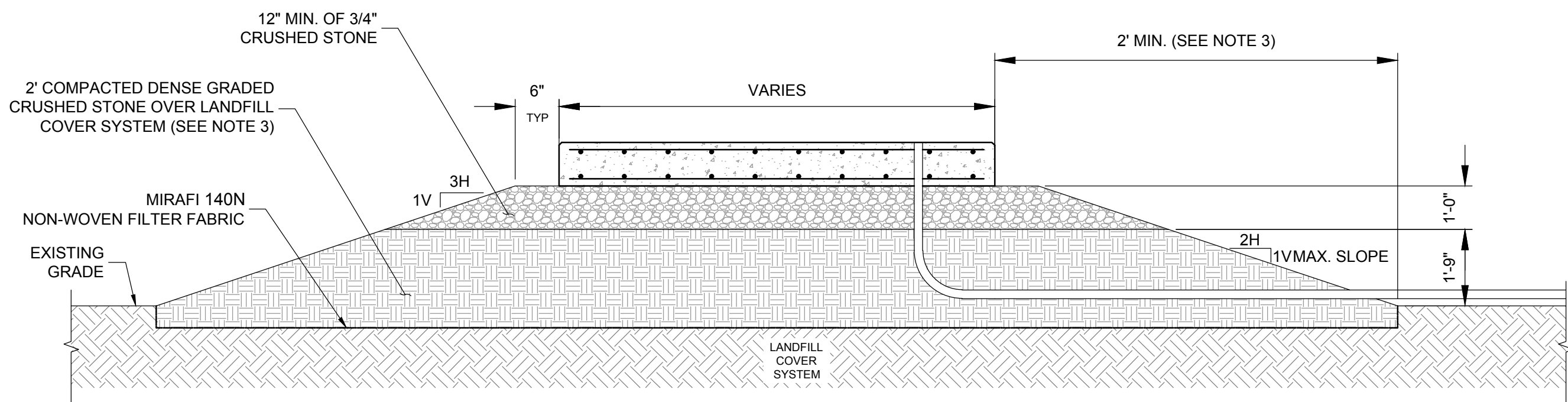




- NOTES:
- EMERGENCY CONTACT SIGNS SHALL BE PLACED AT BOTH THE TOP AND BOTTOM OF THE ACCESS ROAD.

## 1 CONTRACTOR INFORMATION SIGN

SCALE: N.T.S.

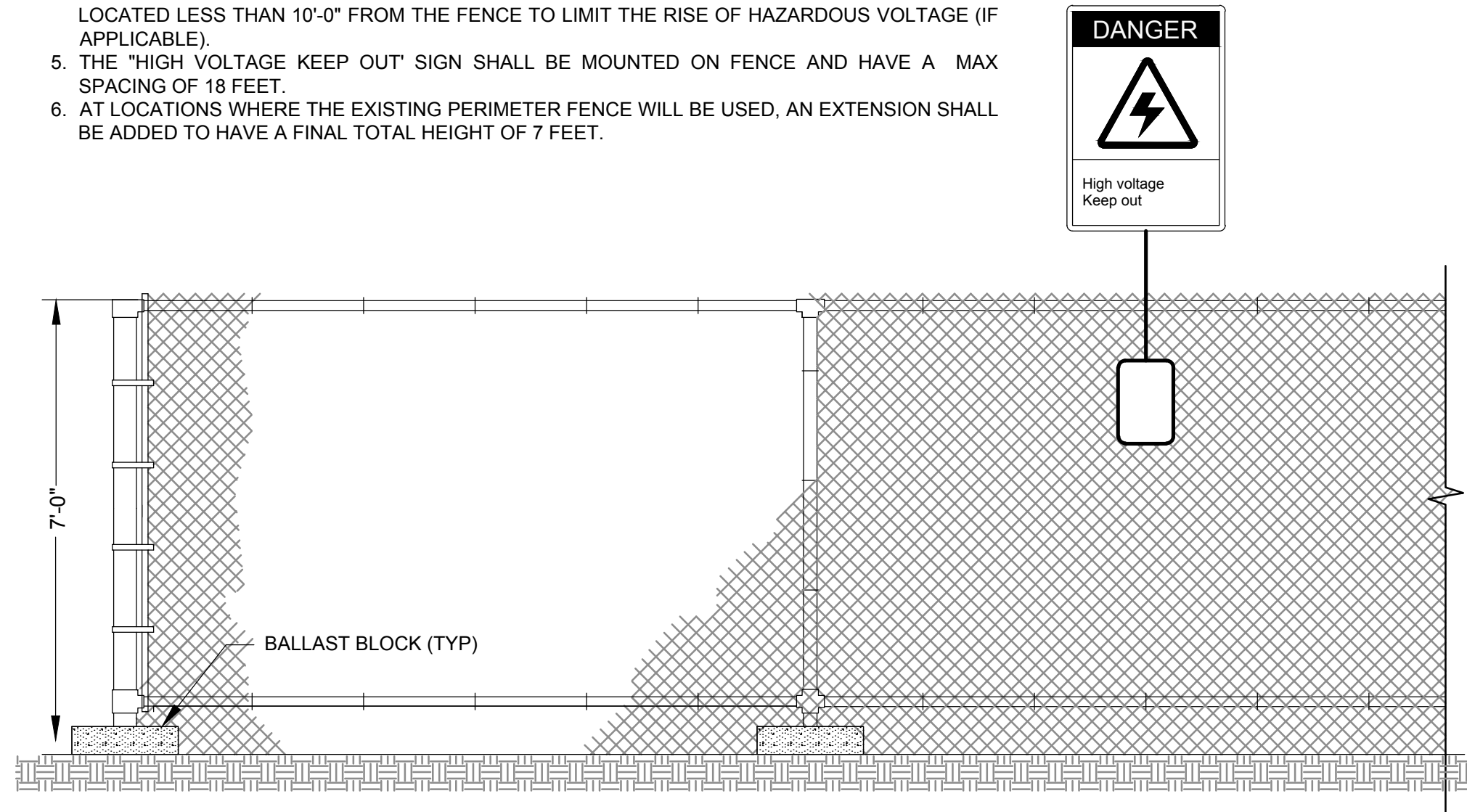


- NOTES:
- SLAB DIMENSIONS, DESIGN, AGGREGATE MATERIAL BELOW THE PAD IS SUBJECT TO CHANGE BASED ON FINAL STRUCTURAL ENGINEERED DESIGN.
  - DETAIL IS SHOWN FOR REPRESENTATIVE PURPOSES ONLY.
  - THE VEGETATIVE SUPPORT LAYER SHALL BE REMOVED BELOW AND A MINIMUM OF 2' AROUND THE LIMITS OF THE PAD LOCATIONS.
  - COMPACT UNTIL A FIRM AND STABLE CONDITIONS IS ACHIEVED, AS APPROVED BY THE ENGINEER.
  - THE CONCRETE EQUIPMENT PAD WILL BE APPROXIMATELY 40' BY 20'.

## 3 TYPICAL CONCRETE EQUIPMENT PAD

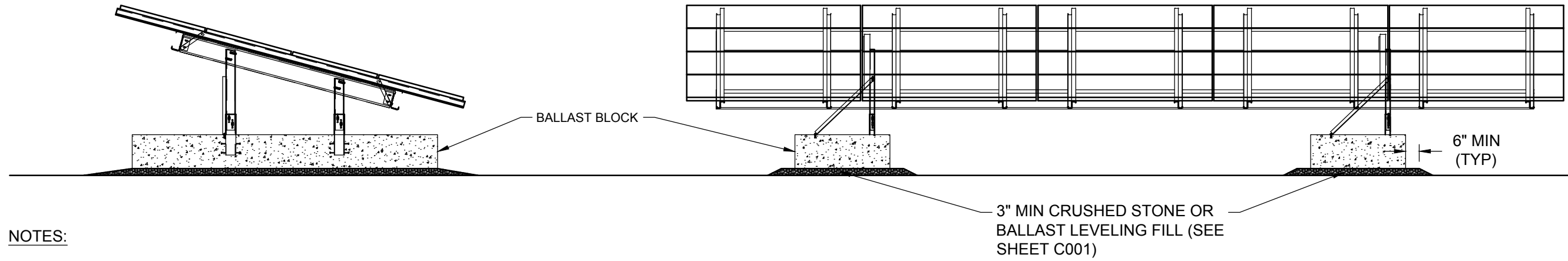
SCALE: N.T.S.

- NOTES:
- FENCE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. FINAL POST AND BALLAST BLOCK DESIGN TO BE PROVIDED PRIOR TO CONSTRUCTION.
  - THE DISTANCE BETWEEN THE FINISHED GRADE AND BOTTOM OF FENCE SHALL BE FLUSH WITH THE GROUND SURFACE FOR THE FENCE SURROUNDING THE LANDFILL ARRAYS.
  - SECURITY FENCE AROUND THE SITE SHALL BE CONTINUOUS AND 7'-0" (MINIMUM) PER THE NEC 110.31.
  - THE SECURITY FENCE SHALL BE GROUNDED IN ALL AREAS WHERE THE PV MODULES ARE LOCATED LESS THAN 10'-0" FROM THE FENCE TO LIMIT THE RISE OF HAZARDOUS VOLTAGE (IF APPLICABLE).
  - THE "HIGH VOLTAGE KEEP OUT" SIGN SHALL BE MOUNTED ON FENCE AND HAVE A MAX SPACING OF 18 FEET.
  - AT LOCATIONS WHERE THE EXISTING PERIMETER FENCE WILL BE USED, AN EXTENSION SHALL BE ADDED TO HAVE A FINAL TOTAL HEIGHT OF 7 FEET.



## 5 BALLAST CHAIN LINK FENCE AND GATE

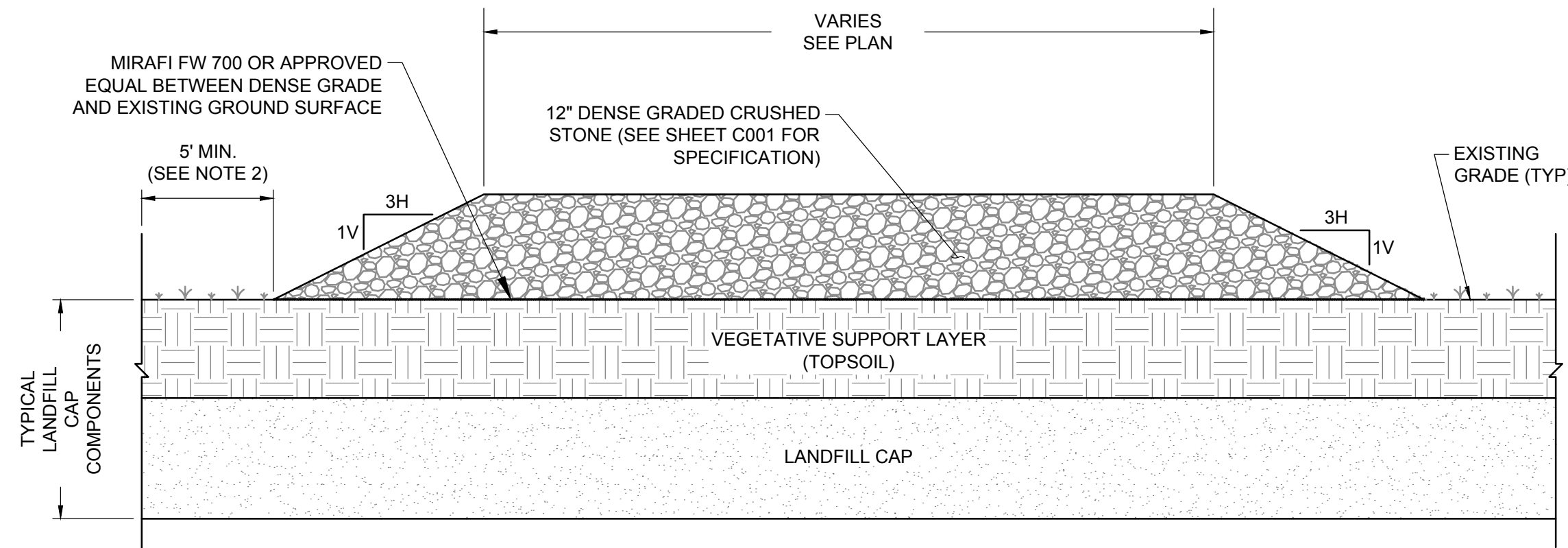
SCALE: N.T.S.



- NOTES:
- DESIGN FOR FOUNDATIONS, RACKING, AND MODULES BY OTHERS. DETAILS SHOWN FOR ILLUSTRATION PURPOSES ONLY.

## 2 BALLAST MOUNTED SOLAR PV ARRAY

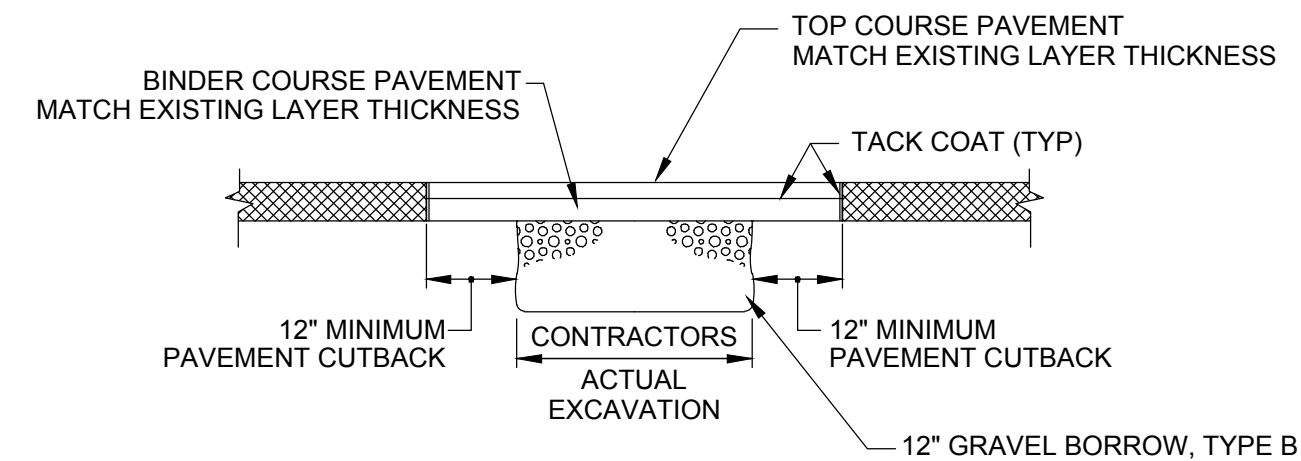
SCALE: N.T.S.



- NOTES:
- SEE DRAWING C001 FOR ACCESS ROAD AND FABRIC MATERIAL REQUIREMENTS.
  - ALL VEGETATION SHALL BE CUT AS SHORT AS POSSIBLE BELOW THE ACCESS ROAD INCLUDING AT LEAST 5 FEET BEYOND THE EDGES OF ROAD.

## 4 TYPICAL ACCESS ROAD DETAIL

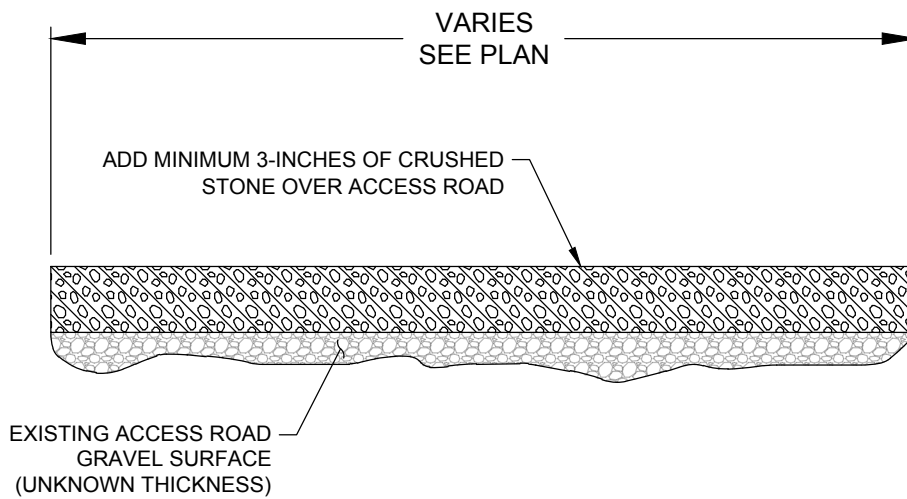
SCALE: N.T.S.



- NOTE:
- ASPHALT REPAIR SHALL MATCH EXISTING PAVEMENT LAYERS.

## 6 PAVEMENT REPAIR

SCALE: N.T.S.



- NOTE:
- CONTRACTOR SHALL REMOVE OVERGROWN VEGETATION GROWING OR ENCRACING ON THE EXISTING GRAVEL ACCESS ROAD PRIOR TO ADDING CRUSHED STONE.

## 7 UPGRADED ACCESS ROAD

SCALE: N.T.S.

Project:  
TOWN OF MONTVILLE  
LANDFILL  
SOLAR PV DEVELOPMENT

669 ROUTE 163  
MONTVILLE, CT 06353

Weston & Sampson

WESTON & SAMPSON ENGINEERS, INC.  
712 BROOK STREET, SUITE 103  
ROCKY HILL, CT 06067  
860.513.1473 800.SAMPSON  
www.westonandsampson.com

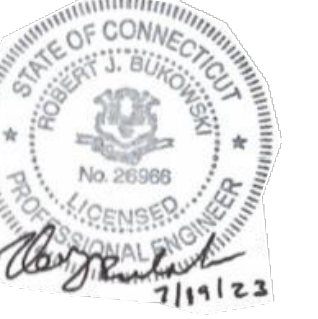
Applicant:

VEROGY  
VCP MONTVILLE, LLC  
124 LASALLE ROAD  
2ND FLOOR  
WEST HARTFORD, CT 06107  
TEL: (860) 288-7215  
WWW.VEROGY.COM

Revisions:

No.	Date	Description
3	07/19/2023	REVISED PER TOWN COMMENTS
2	06/27/2023	REVISED PER TOWN COMMENTS
1	06/21/2023	ISSUED FOR DEEP PERMITTING
0	06/06/2023	ISSUED FOR PERMITTING

Seal:



Issued For:

PERMITTING

Scale: AS SHOWN

Date Created: 06/06/2023

Drawn By: DED

Reviewed By: NWA

Approved By: RJB

W&S Project No.: ENG23-0165  
W&S File No.: Verogy Montville

Drawing Title:

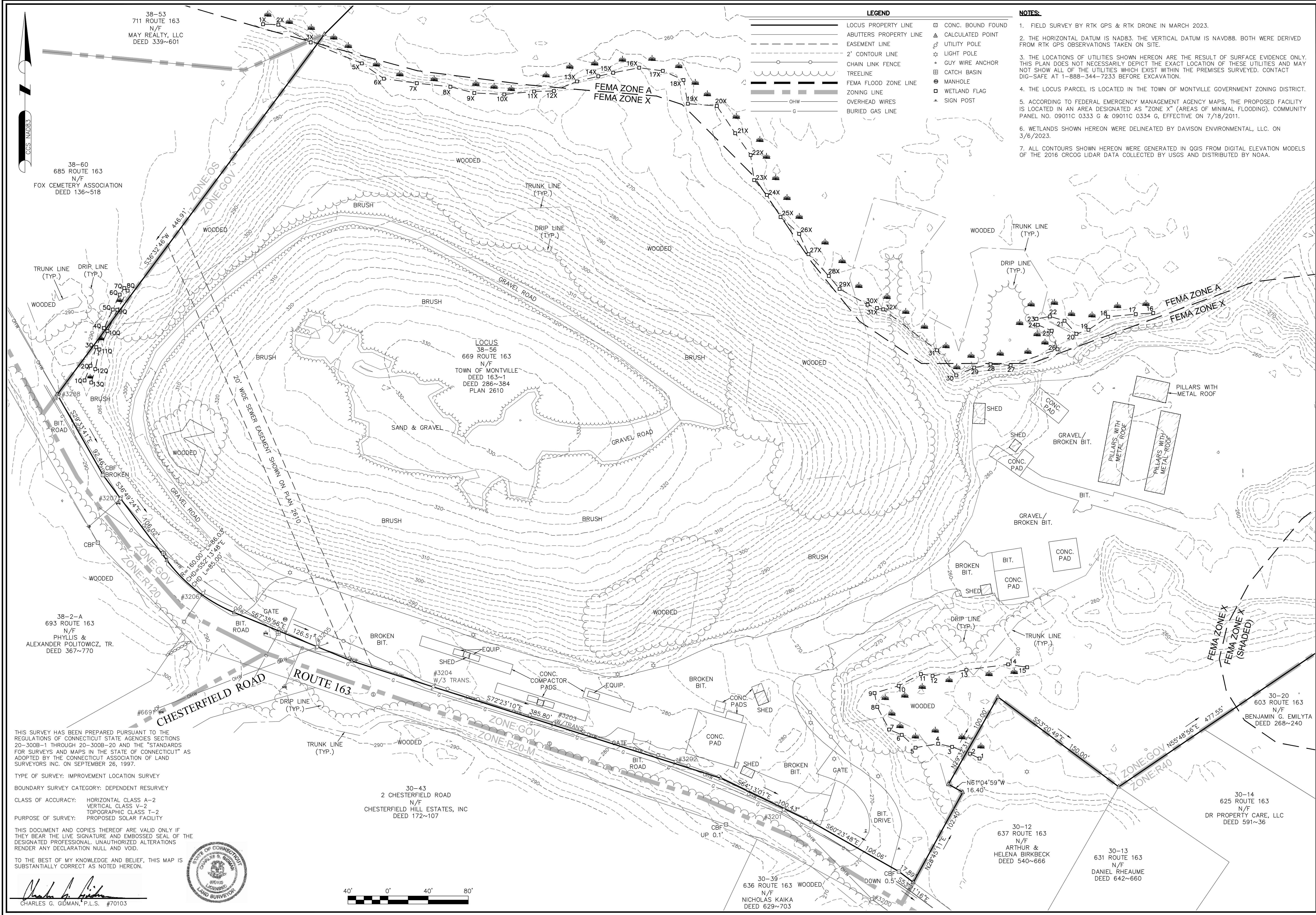
DETAILS II

Sheet Number:

C502

NOT FOR CONSTRUCTION





38-53  
711 ROUTE 163  
N/F  
MAY REALTY, LLC  
DEED 339~601

38-60  
685 ROUTE 163  
N/F  
FOX CEMETERY ASSOCIATION  
DEED 136~518

LOCUS  
38-56  
669 ROUTE 163  
N/F  
TOWN OF MONTVILLE  
DEED 163~1  
DEED 286~384  
PLAN 2610

38-2-A  
693 ROUTE 163  
N/F  
PHYLLIS &  
ALEXANDER POLITOWICZ, TR.  
DEED 367~770

30-43  
2 CHESTERFIELD ROAD  
N/F  
CHESTERFIELD HILL ESTATES, INC  
DEED 172~107

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 BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. ON SEPTEMBER 26, 1997.

TYPE OF SURVEY: IMPROVEMENT LOCATION SURVEY  
BOUNDARY SURVEY CATEGORY: DEPENDENT RESURVEY

CLASS OF ACCURACY: HORIZONTAL CLASS A-2  
VERTICAL CLASS V-2  
TOPOGRAPHIC CLASS T-2  
PROPOSED SOLAR FACILITY

THIS DOCUMENT AND COPIES THEREOF ARE VALID ONLY IF THEY BEAR THE LIVE SIGNATURE AND EMBOSSED SEAL OF THE DESIGNATED PROFESSIONAL. UNAUTHORIZED ALTERATIONS RENDER ANY DECLARATION NULL AND VOID.

TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

*Charles G. Gidman*  
CHARLES G. GIDMAN, P.L.S. #70103



LEGEND	
	LOCUS PROPERTY LINE
	ABUTTERS PROPERTY LINE
	EASEMENT LINE
	2' CONTOUR LINE
	CHAIN LINK FENCE
	TREELINE
	FEMA FLOOD ZONE LINE
	ZONING LINE
	OVERHEAD WIRES
	BURIED GAS LINE
	CONC. BOUND FOUND
	CALCULATED POINT
	UTILITY POLE
	LIGHT POLE
	GUY WIRE ANCHOR
	CATCH BASIN
	MANHOLE
	WETLAND FLAG
	SIGN POST

- NOTES:**
1. FIELD SURVEY BY RTK GPS & RTK DRONE IN MARCH 2023.
  2. THE HORIZONTAL DATUM IS NAD83. THE VERTICAL DATUM IS NAVD88. BOTH WERE DERIVED FROM RTK GPS OBSERVATIONS TAKEN ON SITE.
  3. THE LOCATIONS OF UTILITIES SHOWN HEREON ARE THE RESULT OF SURFACE EVIDENCE ONLY. THIS PLAN DOES NOT NECESSARILY DEPICT THE EXACT LOCATION OF THESE UTILITIES AND MAY NOT SHOW ALL OF THE UTILITIES WHICH EXIST WITHIN THE PREMISES SURVEYED. CONTACT DIG-SAFE AT 1-888-344-7233 BEFORE EXCAVATION.
  4. THE LOCUS PARCEL IS LOCATED IN THE TOWN OF MONTVILLE GOVERNMENT ZONING DISTRICT.
  5. ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY MAPS, THE PROPOSED FACILITY IS LOCATED IN AN AREA DESIGNATED AS "ZONE X" (AREAS OF MINIMAL FLOODING). COMMUNITY PANEL NO. 09011C 0333 G & 09011C 0334 G, EFFECTIVE ON 7/18/2011.
  6. WETLANDS SHOWN HEREON WERE DELINEATED BY DAVISON ENVIRONMENTAL, LLC. ON 3/6/2023.
  7. ALL CONTOURS SHOWN HEREON WERE GENERATED IN QGIS FROM DIGITAL ELEVATION MODELS OF THE 2016 CROCQ LIDAR DATA COLLECTED BY USGS AND DISTRIBUTED BY NOAA.

**NORTHEAST SURVEY CONSULTANTS**  
3 FERRY STREET  
STUDIO 1 EAST  
EASTHAMPTON, MA 01027  
(413) 203-5144

**EXISTING CONDITIONS**

SURVEYOR:	CGG	ENGINEER:	—
DRAFTING:	JDG	DESIGN:	—
FIELD WORK:	NAE NMC	HORZ. SCALE:	1" = 40'
PROJECT NUMBER:	23-009	VERT. SCALE:	—
DRAWING NAME:	23-009.DWG	DATE:	4-4-2023

**PLAN OF LAND IN MONTVILLE, CT**  
**669 ROUTE 163**  
PREPARED FOR  
**VEROGY**

SHEET NO.  
**1** OF **1**