



Also Doing Business As (DBA):



# TRANSMITTAL

To: Town of Cortlandville Planning & Zoning Project: McLean Solar 2  
The Raymond G. Thorpe Municipal Building  
 3577 Terrace Road  
Cortland, New York 13045 Project #: 2850.24418.2  
 Attn: Mr. Bruce Weber Date: February 12, 2019

Quantity	Date	Description
5	12/18/18	Original Submittal Package with 11x17 drawings
2	2/12/19	Full Size Submittal drawings
10	2/12/19	11x17 Size submittal drawings

This is transmitted as checked below:

- |  |   |   |
|--|---|---|
| <input checked="" type="checkbox"/> For approval | <input type="checkbox"/> No Exception Taken   | <input type="checkbox"/> Reviewed                         |
| <input type="checkbox"/> For your use            | <input type="checkbox"/> Furnish as Corrected | <input type="checkbox"/> Rejected                         |
| <input type="checkbox"/> For review & comment    | <input type="checkbox"/> Revise and Resubmit  | <input type="checkbox"/> Submit Specified Item            |
| <input type="checkbox"/> As requested            | <input type="checkbox"/> For immediate action | <input type="checkbox"/> Prints returned after loan to us |

Remarks:

As discussed, please find the above listed documents for consideration at the February 19, 2019 meeting.

Thank you.

Copy To: file Signed: Paul T. Woodward, Senior Designer

# SOLAR ARRAY PLAN

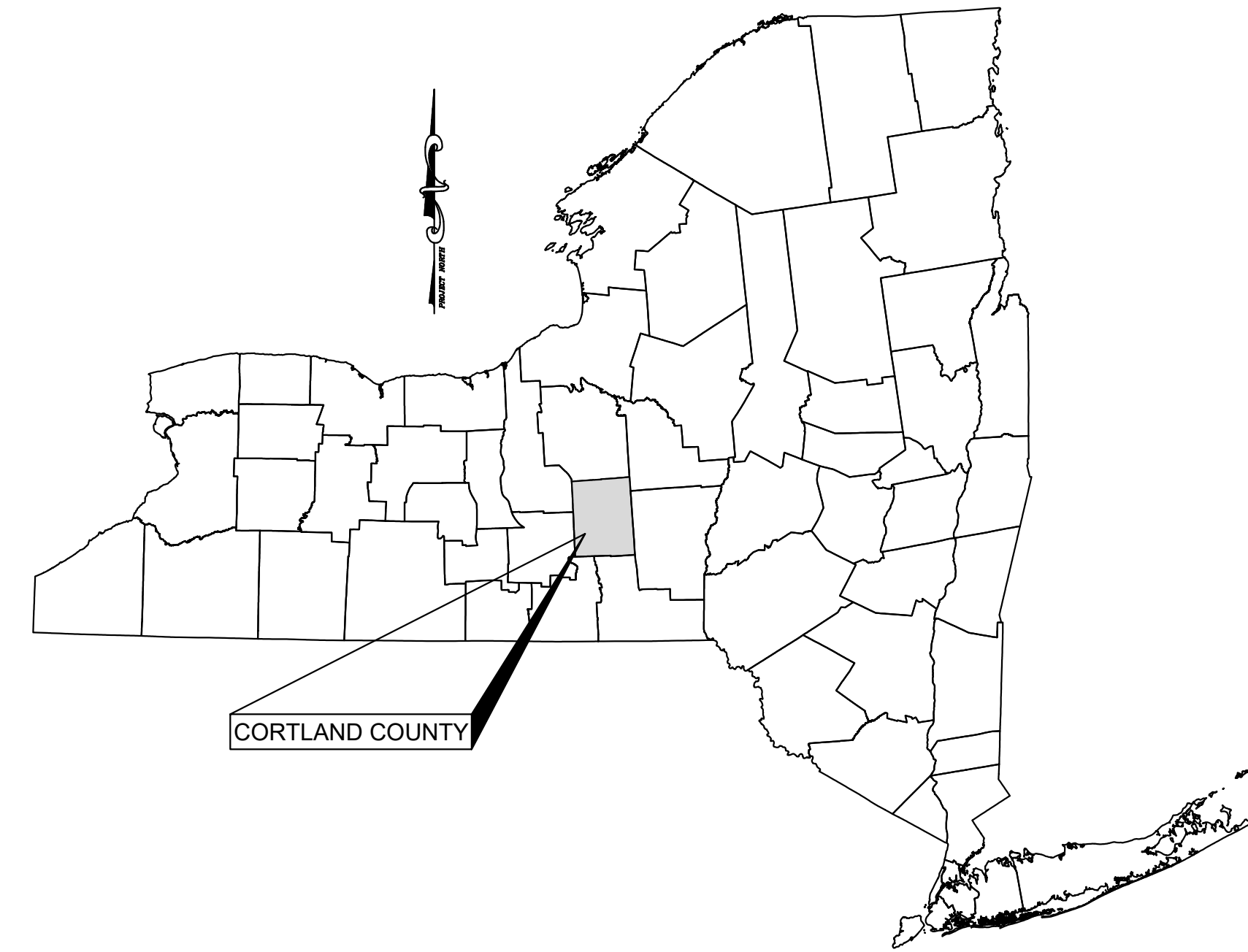
# MCLEAN SOLAR 2

# 684 MCLEAN ROAD

TOWN OF CORTLANDVILLE

COUNTY OF CORTLAND

STATE OF NEW YORK

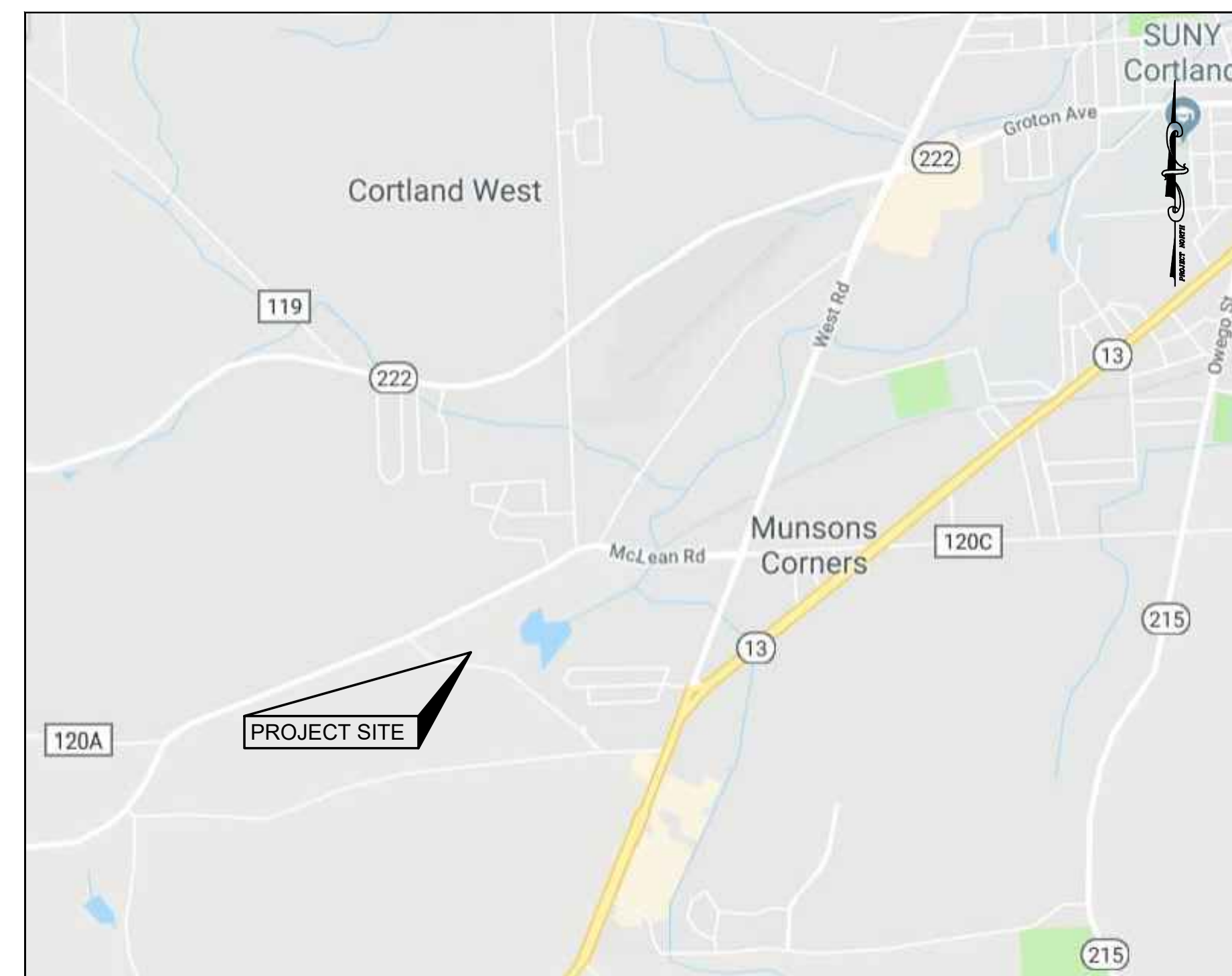


APPLICANT/DEVELOPER:

MCLEAN SOLAR 2 LLC  
 55 5TH AVENUE, FLOOR 13  
 NEW YORK, NEW YORK 10003

INDEX OF DRAWINGS

<u>SHEET</u>	<u>TITLE</u>
C010	EXISTING SITE CONDITIONS
C100	SITE PLAN
C105	SITE PLAN WITH AERIAL PHOTO
C110	EROSION AND SEDIMENT CONTROL PLAN
C200	FARMLAND SOILS AND DETAILS
C210	DETAILS AND NOTES



LOCATION MAP  
 SCALE 1" = 2000'

DRAWINGS PREPARED BY

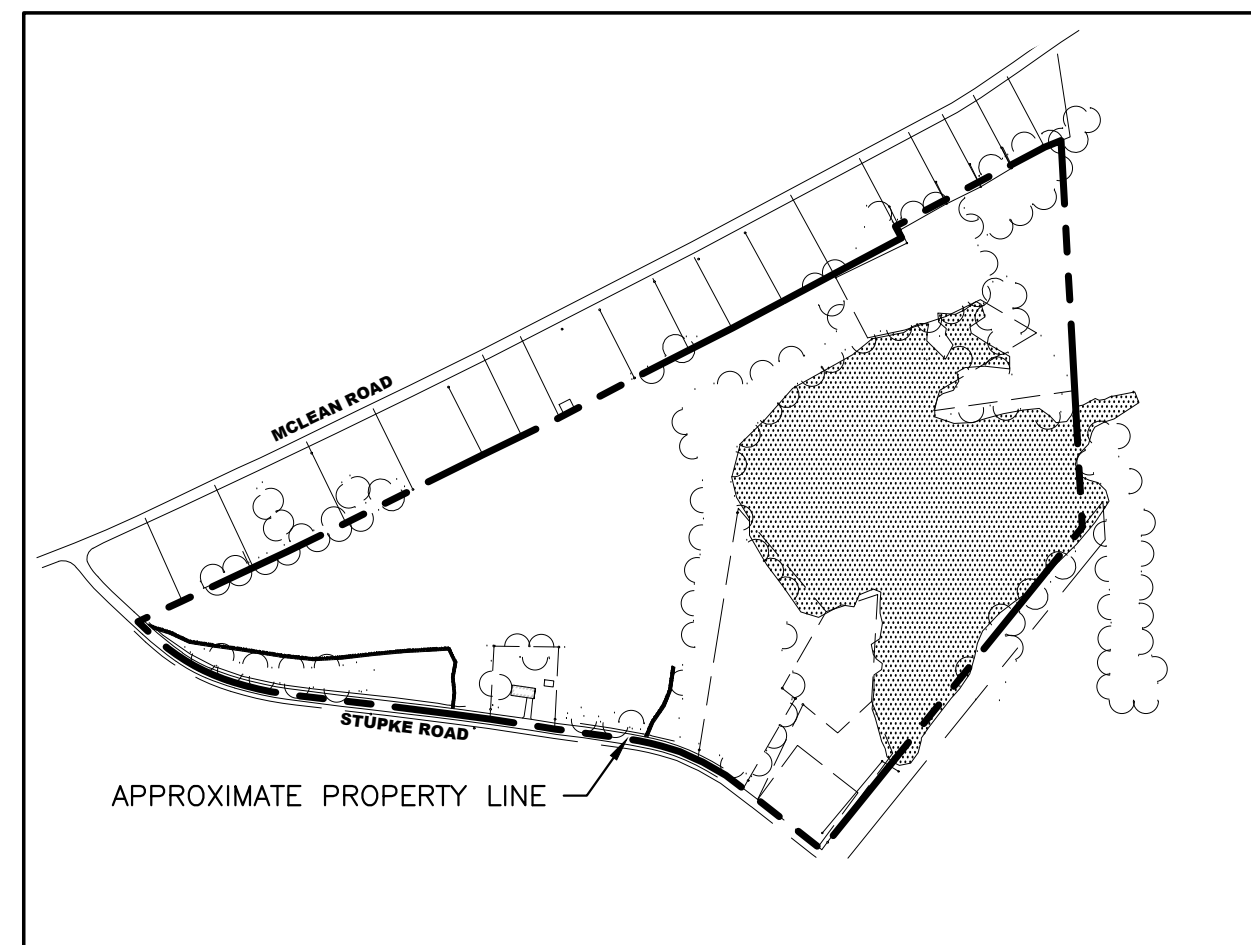
**KEYSTONE ASSOCIATES**  
 ARCHITECTS, ENGINEERS AND SURVEYORS, LLC  
 58 Exchange Street  
 Binghamton, New York 13901  
 Phone: 607.722.1100  
 Fax: 607.722.2515  
 Email: info@keyscorp.com  
 www.keyscorp.com

PROJECT NO. 2850.24418.2

DECEMBER 18, 2018  
 REVISED: FEBRUARY 12, 2019

MARK W. PARKER, P.E. LIC. No. 093972  
 ALTERATIONS NOT CONFORMING TO SECTION 7209, SUBDIVISION 2,  
 NEW YORK STATE EDUCATION LAW ARE PROHIBITED BY LAW.





OVERALL PROPERTY MAP

1" = 500'



- LEGEND**
- ⊕ BENCHMARK (NAVD 88)
  - MONUMENT FOUND AND NOTED
  - N/F NOW OR FORMERLY
  - TM# TAX MAP NUMBER
  - PROPERTY LINE
  - - - TAX MAP LINES
  - GUY WIRE
  - UTILITY POLE
  - OHW OVERHEAD UTILITIES
  - ⊕ FIRE HYDRANT
  - + 1197.6 SPOT ELEVATION

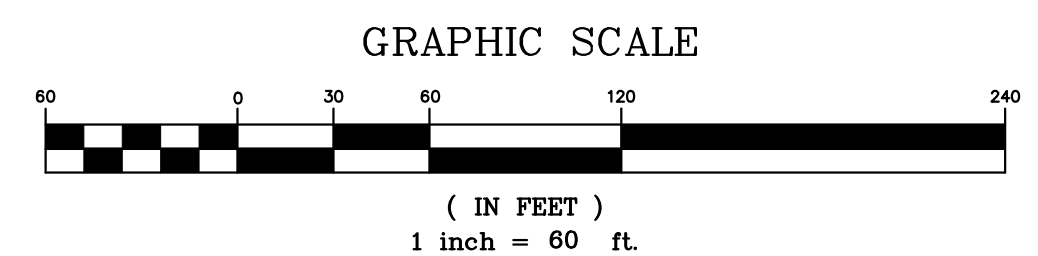
N/F  
GUTCHESS LUMBER COMPANY, INC.  
INST. # 1998-04587  
REC. AUG. 24, 1998  
INST. # 1998-04588  
REC. AUG. 24, 1998  
INST. # 1999-04293  
REC. AUG. 19, 1999  
INST. # 1999-05595  
REC. OCT. 29, 1999  
INST. # 2009-06871  
REC. DEC. 23, 2009  
TM# 95.15-01-12  
693 & 723 STUPKE RD.

- NOTES**
1. FIELD SURVEY WAS COMPLETED ON DECEMBER 05, 2018.
  2. HORIZONTAL DATUM IS REFERENCED TO NEW YORK STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83.
  3. VERTICAL DATUM IS REFERENCED TO NORTH AMERICAN VERTICAL DATUM 1988.
  4. AT THE TIME OF THE SURVEY THERE WAS APPROXIMATELY 2 INCHES OF SNOW ON THE GROUND.

ALL UNDERGROUND UTILITIES ARE APPROXIMATE.  
UNDERGROUND UTILITY LOCATIONS MARKED BY UTILITY OWNERS PER A "DESIGN TICKET" CALLED IN TO "DIG SAFELY NEW YORK" PRIOR TO FIELD SURVEY HAVE BEEN SHOWN.

THE USER OF THIS MAP IS CAUTIONED THAT THE UNDERGROUND UTILITY LOCATIONS ARE NOT GUARANTEED, NOR IS THERE ANY GUARANTEE THAT ALL EXISTING UTILITIES WHETHER FUNCTIONAL OR ABANDONED WITHIN THE PROJECT AREA ARE SHOWN ON THIS DRAWING.

THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES BEFORE STARTING WORK & SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM HIS WORK. CONTRACTOR SHALL NOTIFY DIG SAFELY NY (FORMERLY UFPO) 1-800-962-7962 IN ACCORDANCE WITH 16 NYCRR PART 753.



NOT FOR CONSTRUCTION

58 Exchange Street  
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**KEYSTONE ASSOCIATES**  
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WARNING: This is a preliminary drawing. It is not to be used for construction. It is the responsibility of the user to verify all information. No warranty is made by the firm for any errors or omissions. The user shall be held responsible for any damage resulting from the use of this drawing.	
DATE	2018
BY	KEYSTONE ASSOCIATES
CHECKED	KEYSTONE ASSOCIATES
APPROVED	KEYSTONE ASSOCIATES
SCALE	AS SHOWN
PROJECT NO.	2850.24418.2
SHEET NO.	C010

**SOLAR ARRAY PLAN**  
**MCLEAN SOLAR 2**  
**684 MCLEAN ROAD**  
CORTLAND COUNTY, NY  
TOWN OF CORTLANDVILLE

**EXISTING SITE CONDITIONS**

SHEET NO.  
**C010**

PROJECT NO.  
2850.24418.2

DATE: 12/18/18

DWG FILE NO: 285024418\_2\_site



**GENERAL NOTES**

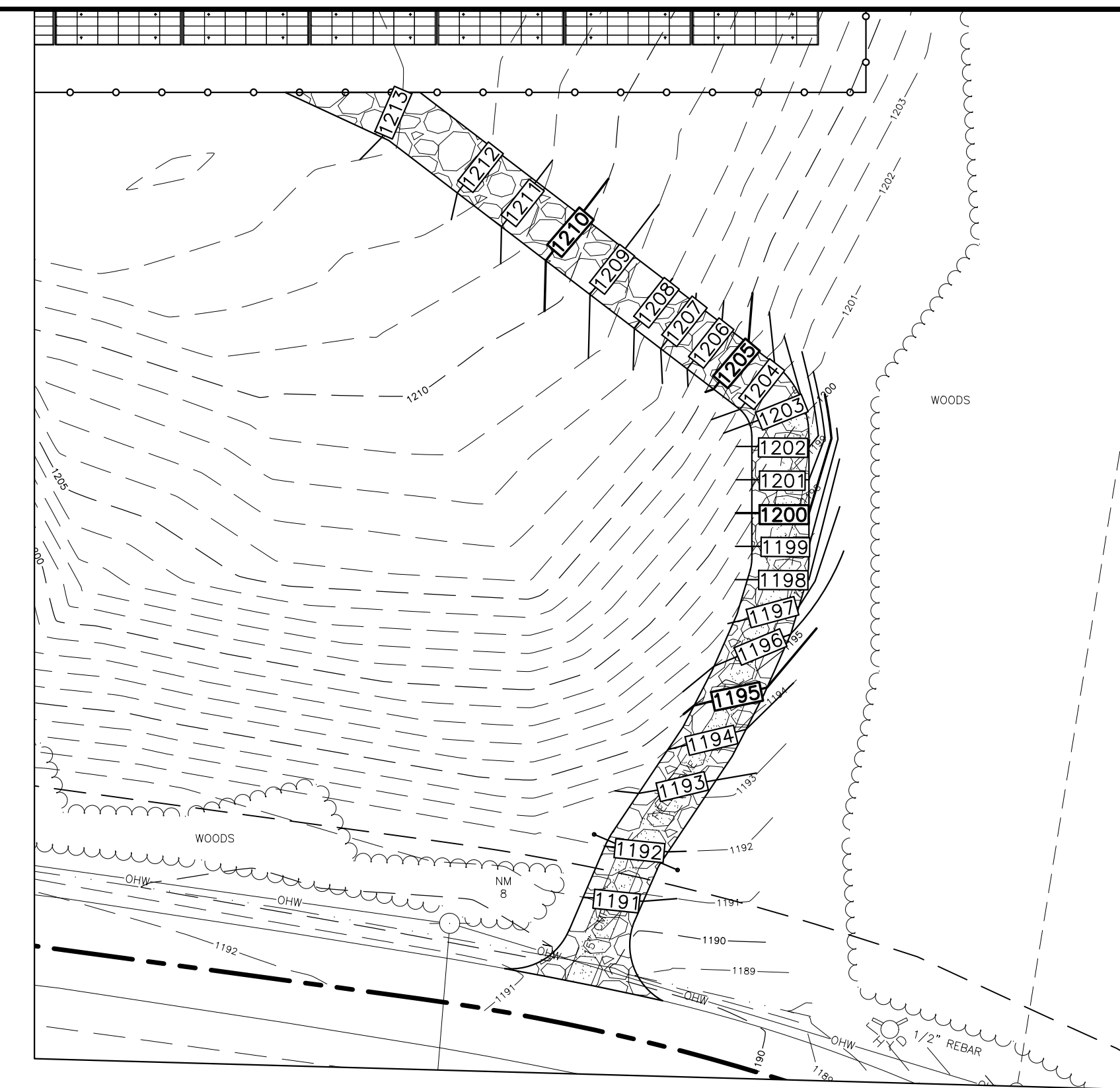
- CONTRACTOR SHALL NOT PROCEED WITH ANY CONSTRUCTION WORK PRIOR TO FINAL APPROVAL OF ALL PLANS AND SECURING OF ALL PERMITS.
- CONTRACTOR SHALL PROVIDE CONSTRUCTION/PROTECTIVE FENCING OR OTHER MEANS NECESSARY TO PROTECT WORK AND TO ENSURE THE SAFETY OF PEDESTRIAN AND VEHICULAR TRAFFIC DURING CONSTRUCTION.
- CONTRACTOR TO COMPLY WITH ALL O.S.H.A. AND OTHER STATE AND LOCAL SAFETY REQUIREMENTS DURING CONSTRUCTION. (PROPER SHORING, ETC.)
- THE CONTRACTOR SHALL PROTECT AND SUSTAIN IN NORMAL SERVICE ALL EXISTING UTILITIES, STRUCTURES, EQUIPMENT, ROADWAYS AND DRIVEWAYS.
- ELECTRIC AND GAS INSTALLATION AND CONNECTIONS TO BE IN ACCORDANCE WITH UTILITY COMPANY REGULATIONS AND REQUIREMENTS.
- THE CONTRACTOR SHALL FILL IN, AND THEN RE-EXCAVATE AS NECESSARY TO RESUME WORK, ANY EXCAVATIONS OR TRENCHES AT LOCATIONS AND AS OFTEN AS MAY BE REQUIRED TO ENSURE PROTECTION OF THE WORK, ANY ADJACENT EXISTING FACILITIES, OR THE PUBLIC.
- THE CONTRACTOR SHALL CLEAN UP THE JOB SITE ON A DAILY BASIS BEFORE LEAVING THE JOB. ALL RUBBISH MUST BE CLEANED UP AND CONSTRUCTION EQUIPMENT MUST BE PROPERLY TAKEN CARE OF AND STORED AT THE END OF THE DAY.
- CONTRACTOR SHALL RESTORE ALL LAWNS, DRIVEWAYS, WALKS, WALL, CURBS, FENCES, ETC. DISTURBED BY CONSTRUCTION. LAWN SHALL BE FINE GRADED, SEEDED, FERTILIZED AND MULCHED PER ACCEPTABLE LANDSCAPE PRACTICES.
- CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAKEOUT. WHERE APPLICABLE STAKEOUT SHALL BE COMPLETED BY A LICENSED LAND SURVEYOR.
- UNDERGROUND UTILITY LOCATIONS ARE NOT GUARANTEED, NOR IS THERE ANY GUARANTEE THAT ALL EXISTING UTILITIES WHETHER FUNCTIONAL OR ABANDONED WITHIN THE PROJECT AREA ARE SHOWN ON THIS DRAWING. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES BEFORE STARTING WORK & SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM HIS WORK. CONTRACTORS SHALL NOTIFY DIG SAFELY NY (FORMERLY UFPO) 1-800-962-7962 IN ACCORDANCE WITH 16 NYCRR PART 753.
- ALL SITE WORK SHALL BE SMOOTHLY AND EVENLY BLENDED INTO EXISTING CONDITIONS.
- ALL BOUNDARY AND/OR TOPOGRAPHIC INFORMATION OBTAINED FROM SURVEY PREPARED BY KEYSTONE ASSOCIATES ARCHITECTS, ENGINEERS AND SURVEYORS, LLC. IT IS THE BASE INFORMATION USED TO PREPARE THE WORK INDICATED ON THE DRAWINGS. BY INCLUSION OF THIS SURVEY INFORMATION IN THIS SET OF DOCUMENTS, KEYSTONE ASSOCIATES ARCHITECTS, ENGINEERS AND SURVEYORS, LLC DOES NOT ASSUME RESPONSIBILITY FOR INTERPRETATIONS OR CONCLUSIONS DRAWN THEREFROM BY THE CONTRACTOR.

**ZONING NOTES**

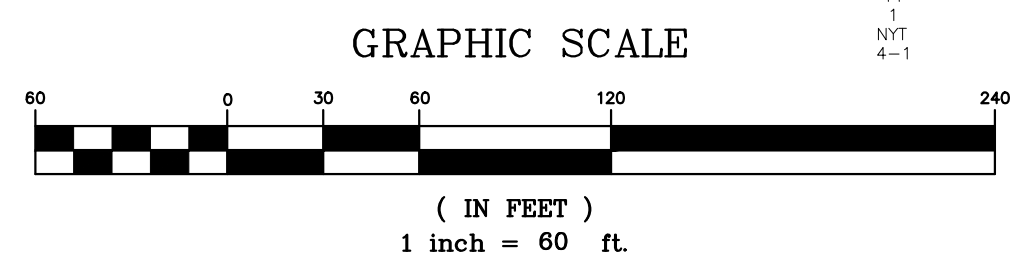
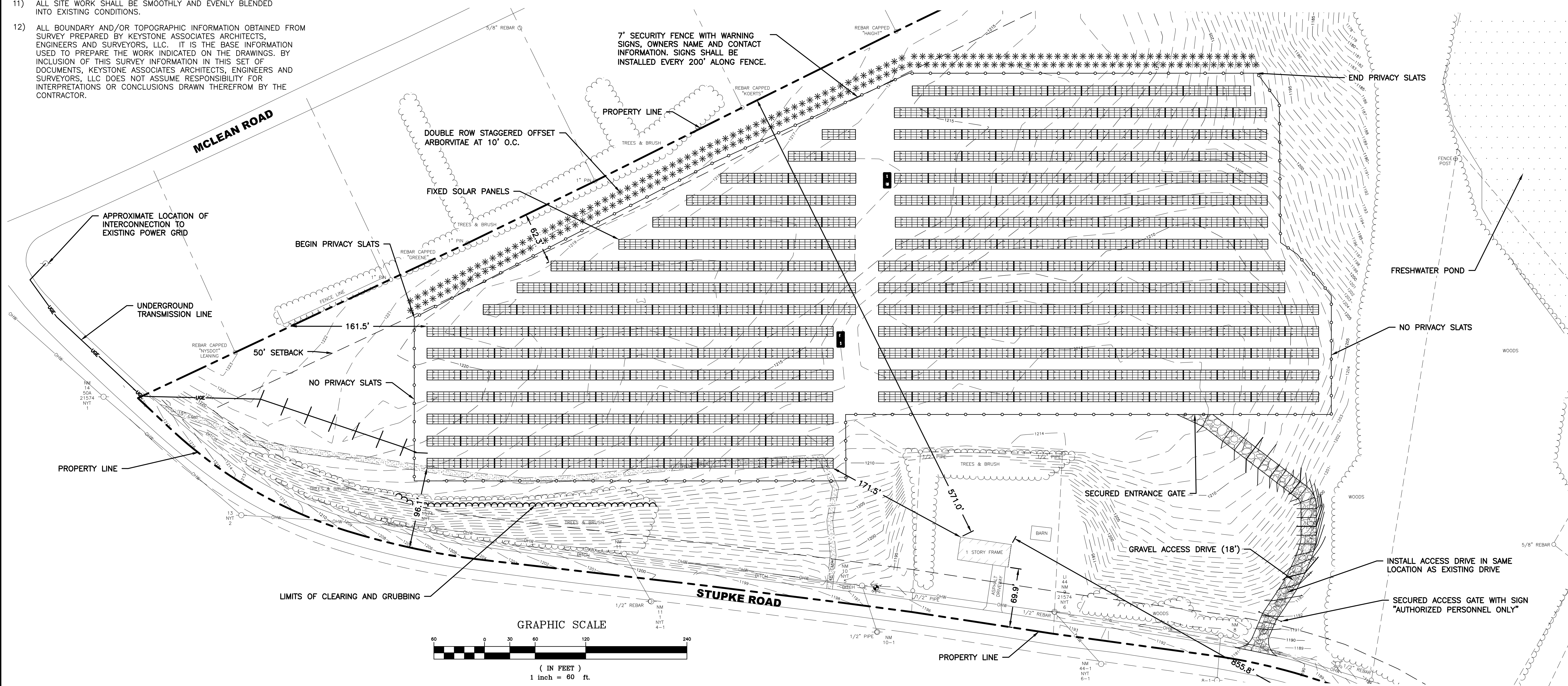
ZONING DISTRICT: I-2  
 USE: GROUND-MOUNTED LARGE-SCALE SOLAR ENERGY SYSTEM

	ZONING REQUIRED	SOLAR REQUIRED	ACTUAL
MINIMUM LOT SIZE:	NONE	NONE	34.6 AC
MINIMUM LOT FRONTAGE:	50 LF	50 LF	3,799 LF
MAXIMUM LOT COVERAGE:	70%	70%	22.77%
<b>MINIMUM YARD DIMENSIONS:</b>			
<b>PRINCIPAL:</b>			
FRONT	50 LF	N/A	69.9 LF
REAR	40 LF	N/A	571.0 LF
SIDE	12 LF	N/A	855.8 LF
<b>ACCESSORY:</b>			
FRONT	N/A	50 LF	96.1 LF
REAR	N/A	50 LF	62.3 LF
TO PRINCIPAL	N/A	N/A	171.5 LF
SIDE	N/A	50 LF	62.3 LF
MAXIMUM STRUCTURE HEIGHT:	NONE	20 FT	12 LF

- LEGEND**
- ⊕ BENCHMARK (NAVD 88)
  - MONUMENT FOUND AND NOTED
  - N/F NOW OR FORMERLY
  - TM# TAX MAP NUMBER
  - PROPERTY LINE
  - - - TAX MAP LINES
  - GUY WIRE
  - UTILITY POLE
  - OHW — OVERHEAD UTILITIES
  - ⊕ FIRE HYDRANT
  - + 1197.6 SPOT ELEVATION



TOTAL ACREAGE OF PROJECT: ± 9.20  
 TOTAL ACREAGE TO BE DISTURBED: ± 0.75



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 ARCHITECTS, ENGINEERS AND SURVEYORS, LLC

**SOLAR ARRAY PLAN**

**MCLEAN SOLAR 2**

**684 MCLEAN ROAD**

**TOWN OF CORTLANDVILLE CORTLAND COUNTY, NY**

**SITE PLAN**

SHEET NO.  
**C100**

PROJECT NO.  
2850.24418.2

DATE: 12/18/18

DWG FILE NO: 285024418\_2\_site

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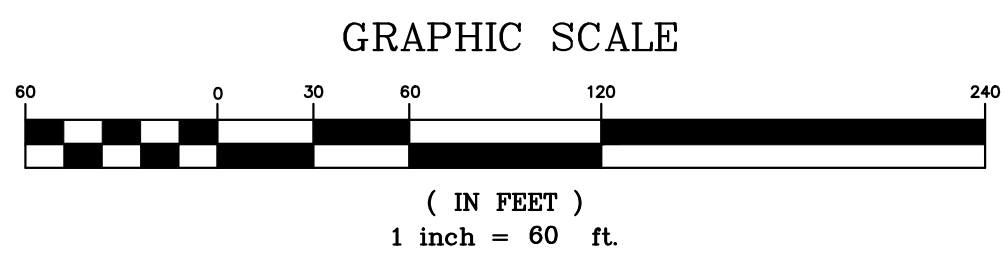
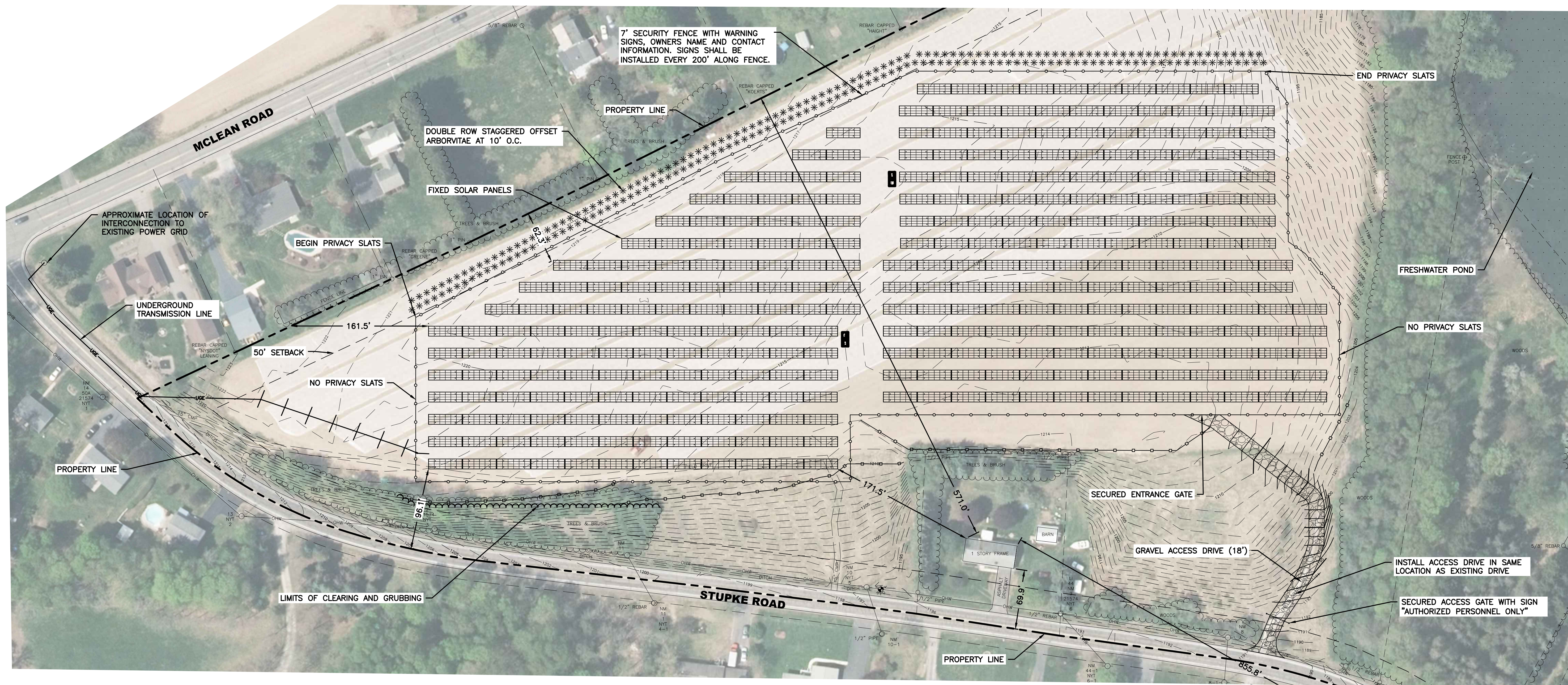
**ZONING NOTES**

ZONING DISTRICT: I-2  
 USE: GROUND-MOUNTED LARGE-SCALE SOLAR ENERGY SYSTEM

	ZONING REQUIRED	SOLAR REQUIRED	ACTUAL
MINIMUM LOT SIZE:	NONE	NONE	34.6 AC
MINIMUM LOT FRONTAGE:	50 LF	50 LF	3,799 LF
MAXIMUM LOT COVERAGE:	70%	70%	22.77%
<b>MINIMUM YARD DIMENSIONS:</b>			
<b>PRINCIPAL:</b>			
FRONT:	50 LF	N/A	69.9 LF
REAR:	40 LF	N/A	571.0 LF
SIDE:	12 LF	N/A	855.8 LF
<b>ACCESSORY:</b>			
FRONT:	N/A	50 LF	96.1 LF
REAR:	N/A	50 LF	62.3 LF
TO PRINCIPAL:	N/A	N/A	171.5 LF
SIDE:	N/A	50 LF	161.5 LF
MAXIMUM STRUCTURE HEIGHT:	NONE	20 FT	12 LF

- LEGEND**
- ⊕ BENCHMARK (NAVD 88)
  - MONUMENT FOUND AND NOTED
  - N/F NOW OR FORMERLY
  - TM# TAX MAP NUMBER
  - PROPERTY LINE
  - - - TAX MAP LINES
  - GUY WIRE
  - UTILITY POLE
  - OHW OVERHEAD UTILITIES
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TOTAL ACREAGE OF PROJECT: ± 9.20  
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SOLAR ARRAY PLAN  
**MCLEAN SOLAR 2**  
 684 MCLEAN ROAD  
 TOWN OF CORTLANDVILLE  
 CORTLAND COUNTY, NY  
 SHEET NO. **C105**  
 PROJECT NO. 2850.24418.2  
 DATE: 12/18/18  
 SHEET TITLE: **SITE PLAN WITH AERIAL PHOTO**

SHEET NO. **C105**  
 PROJECT NO. 2850.24418.2  
 DATE: 12/18/18  
 SHEET TITLE: **SITE PLAN WITH AERIAL PHOTO**



NOTES:

- SOLAR ARRAY SUPPORTS AND CHAIN LINK FENCE POST SHALL BE DRIVEN OR DIRECT AUGERED, THEREFORE THEY DO NOT MEET THE NYSDEC DEFINITION FOR LAND DISTURBANCE.
- CONTRACTOR SHALL BACKFILL ALL TRENCHES ON THE SAME DAY AS THEY ARE EXCAVATED. SEEDING AND MULCHING SHALL OCCUR IMMEDIATELY AFTER TRENCHING HAS BEEN COMPLETED.
- IF THE E&S MEASURES THAT ARE SHOWN DO NOT PROVE TO BE EFFECTIVE, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER OF RECORD FOR RECOMMENDATIONS OF ADDITIONAL MEASURES TO INSTALL.
- CONTRACTOR SHALL NOT EXCAVATE FOR ROAD OR UNDERGROUND UTILITIES MORE THAN THEY CAN BACKFILL IN THE SAME DAY.

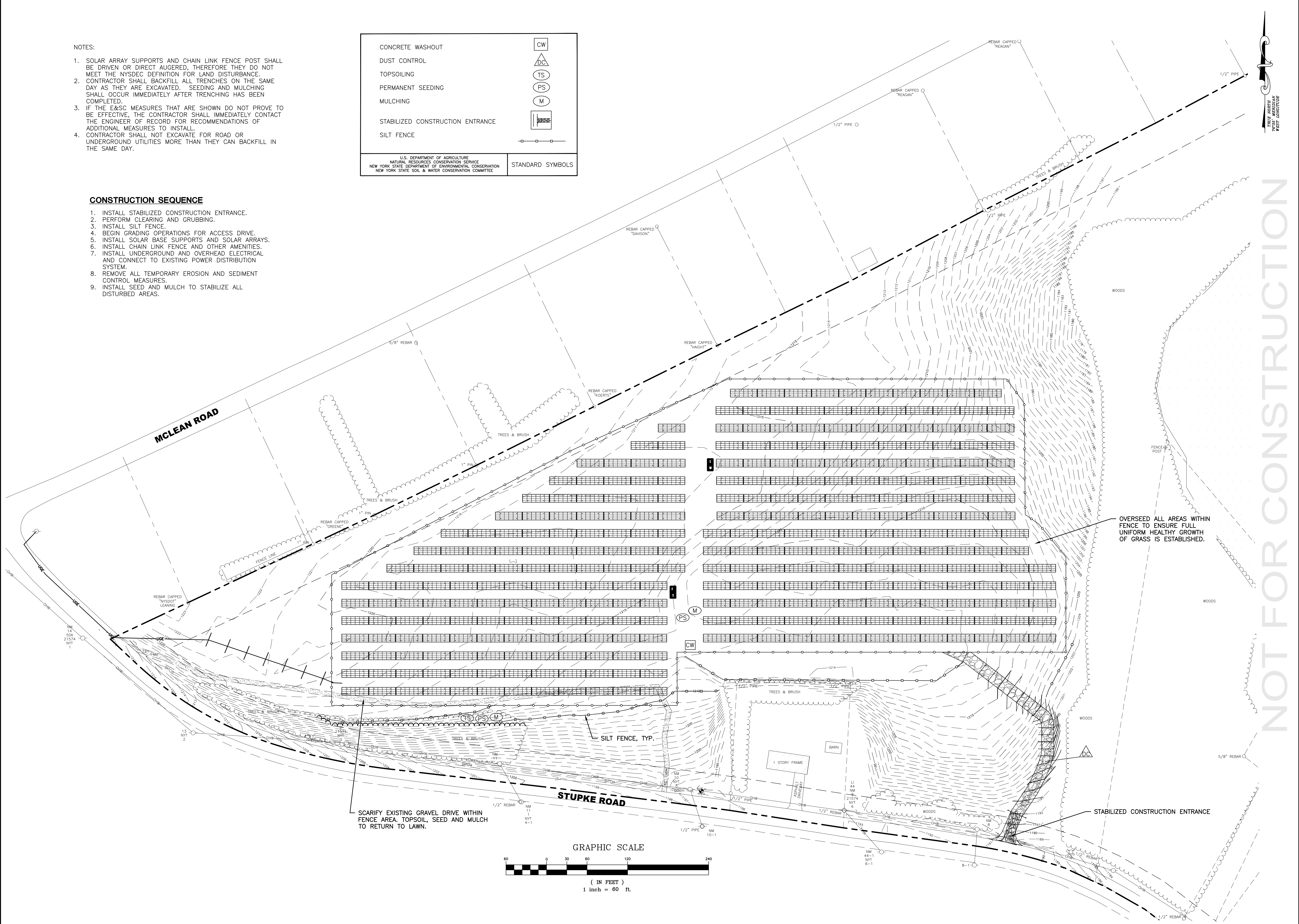
CONSTRUCTION SEQUENCE

- INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- PERFORM CLEARING AND GRUBBING.
- INSTALL SILT FENCE.
- BEGIN GRADING OPERATIONS FOR ACCESS DRIVE.
- INSTALL SOLAR BASE SUPPORTS AND SOLAR ARRAYS.
- INSTALL CHAIN LINK FENCE AND OTHER AMENITIES.
- INSTALL UNDERGROUND AND OVERHEAD ELECTRICAL AND CONNECT TO EXISTING POWER DISTRIBUTION SYSTEM.
- REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.
- INSTALL SEED AND MULCH TO STABILIZE ALL DISTURBED AREAS.

CONCRETE WASHOUT	
DUST CONTROL	
TOPSOILING	
PERMANENT SEEDING	
MULCHING	
STABILIZED CONSTRUCTION ENTRANCE	
SILT FENCE	

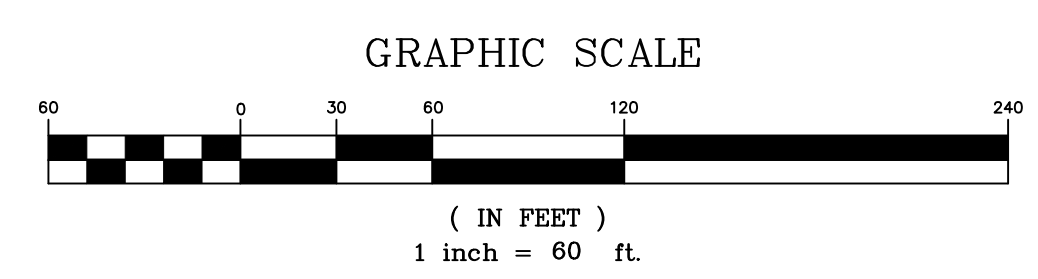
U.S. DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE  
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

STANDARD SYMBOLS



SCARIFY EXISTING GRAVEL DRIVE WITHIN FENCE AREA, TOPSOIL, SEED AND MULCH TO RETURN TO LAWN.

OVERSEED ALL AREAS WITHIN FENCE TO ENSURE FULL UNIFORM HEALTHY GROWTH OF GRASS IS ESTABLISHED.



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1. SOLAR ARRAY PLAN (DATE: 07/27/18)
2. EROSION AND SEDIMENT CONTROL PLAN (DATE: 07/27/18)

**SOLAR ARRAY PLAN**  
**MCLEAN SOLAR 2**  
**684 MCLEAN ROAD**  
TOWN OF CORTLANDVILLE CORTLAND COUNTY, NY

**EROSION AND SEDIMENT CONTROL PLAN**

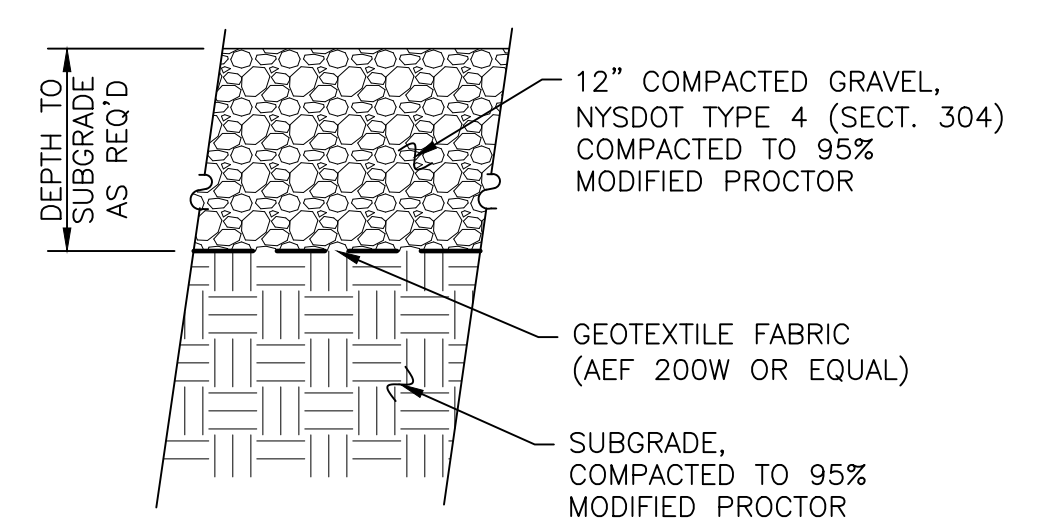
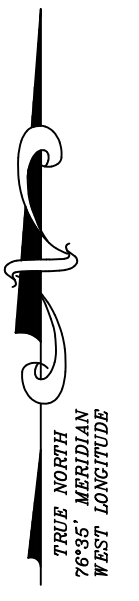
SHEET NO. **C110**  
PROJECT NO. 2850.24418.2  
DATE: 12/18/18  
CAD FILE NO. 285024418\_2\_site



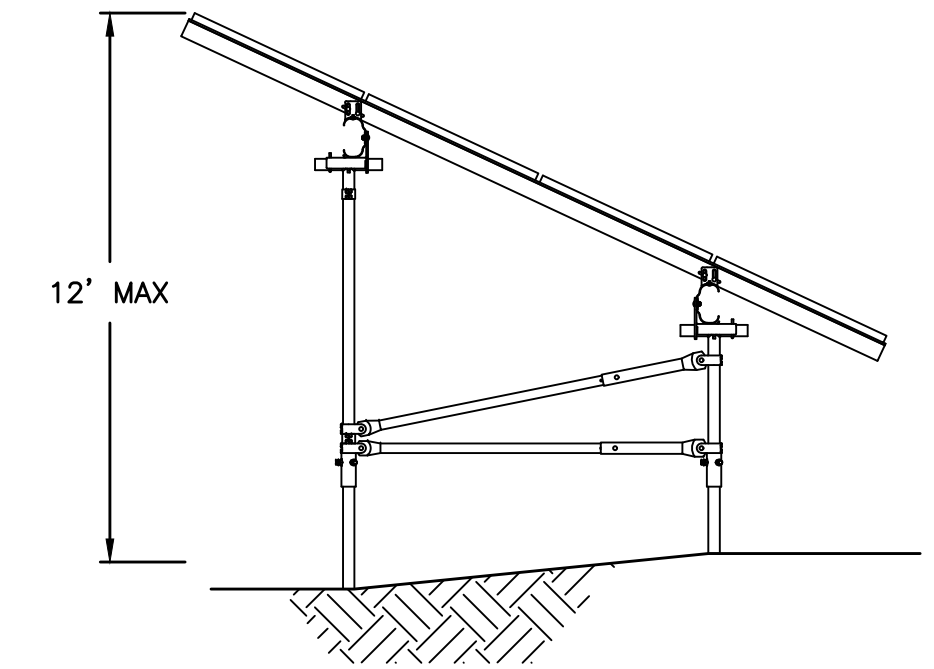


■ PRIME FARMLAND  
■ NOT PRIME FARMLAND  
■ FARMLAND OF STATEWIDE IMPORTANCE

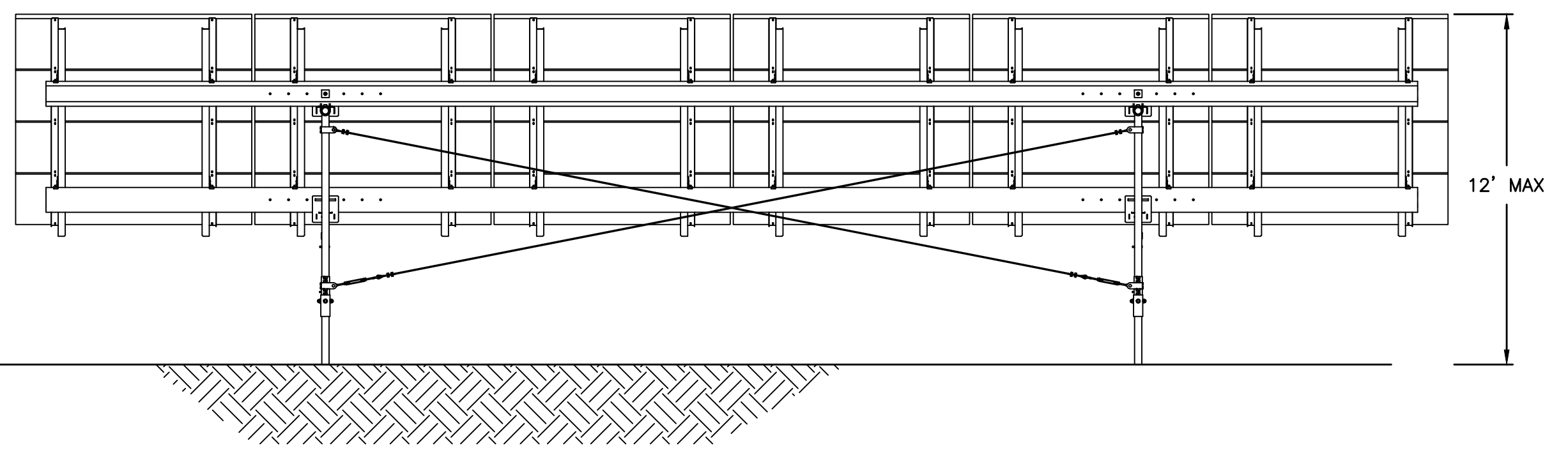
**1 FARMLAND SOILS MAP**  
C200  
1" = 200'



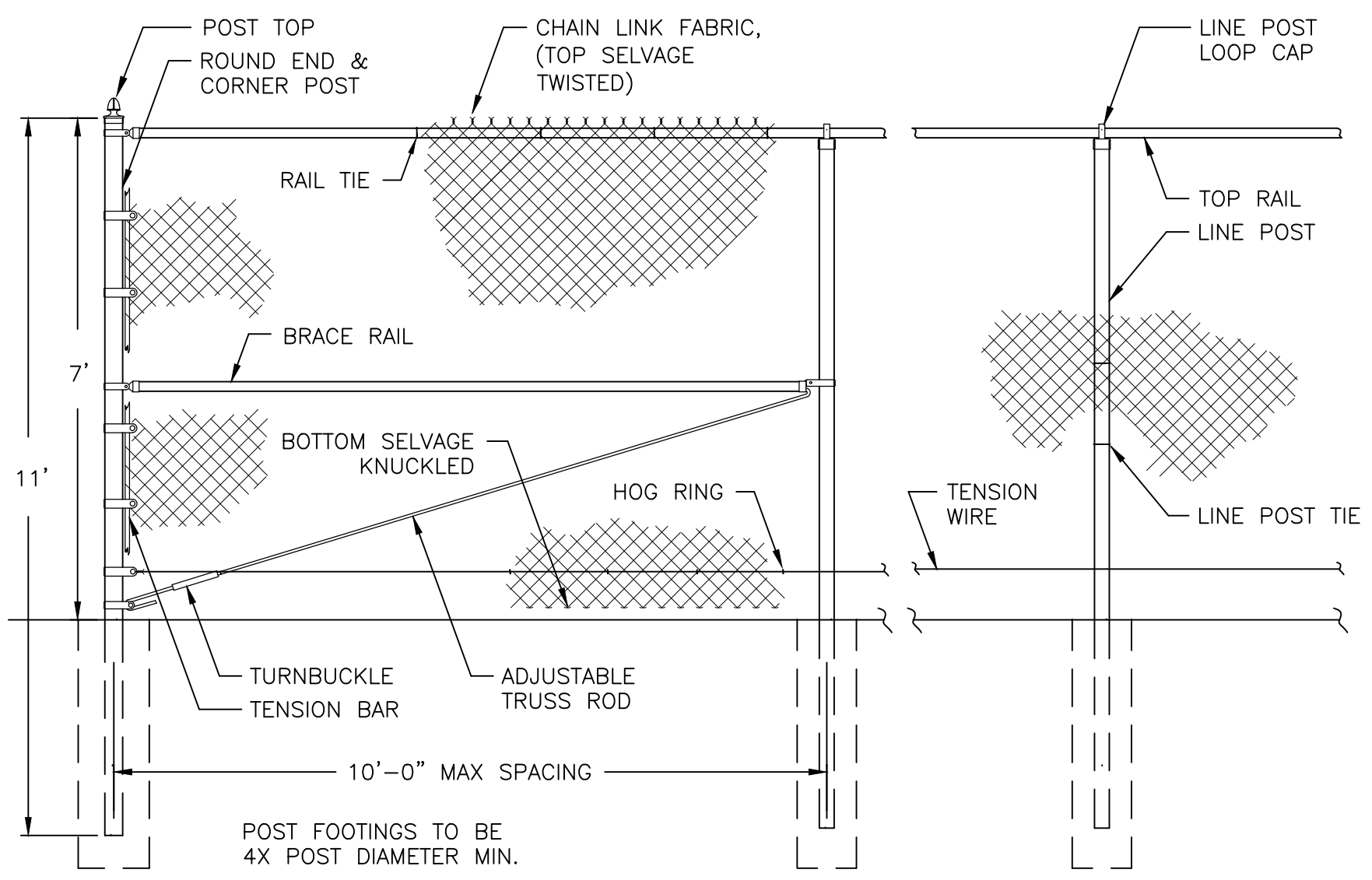
**2 GRAVEL DRIVE DETAIL**  
C200  
N.T.S.



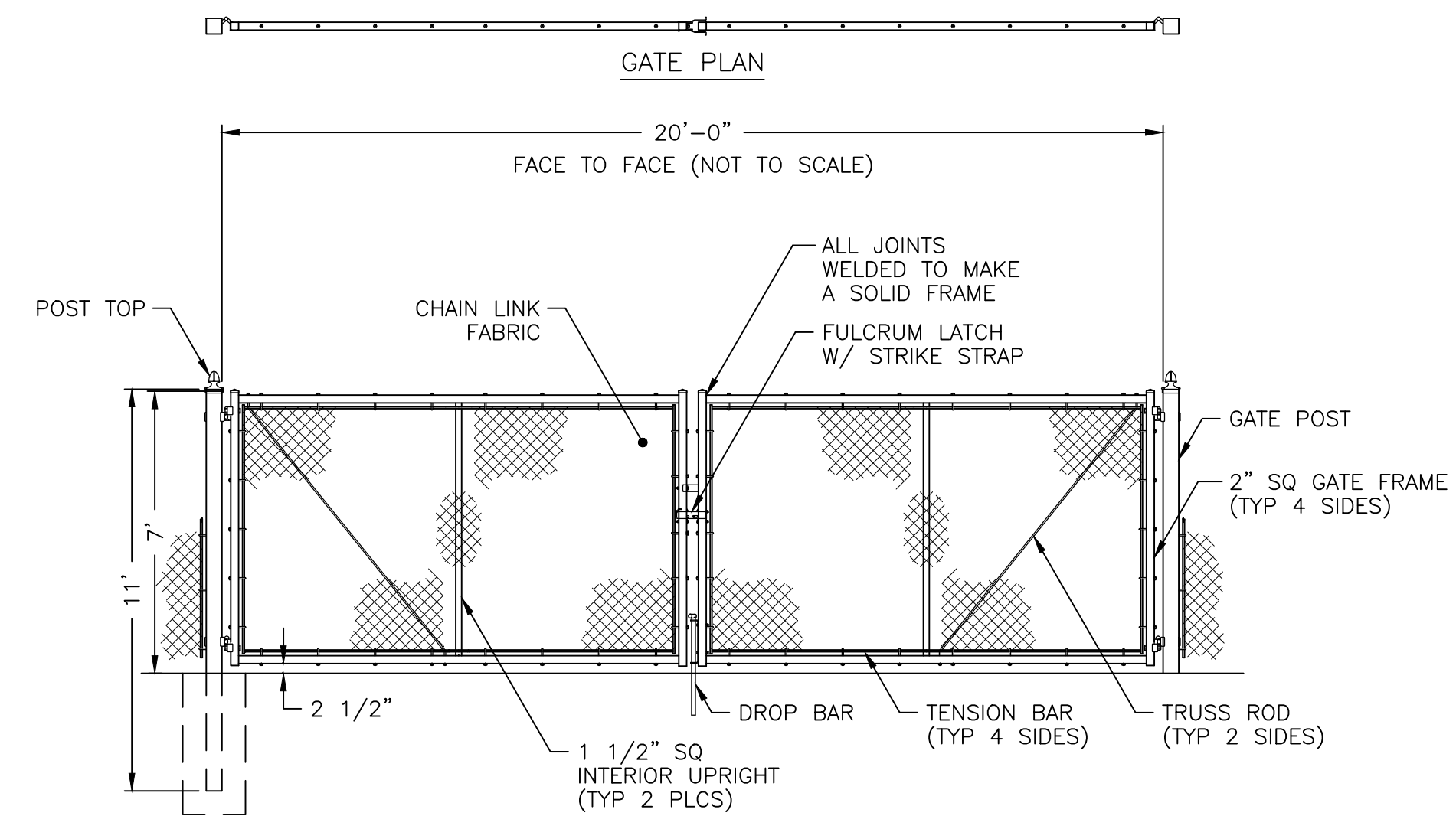
**3 SOLAR ARRAY SIDE VIEW**  
C200  
N.T.S.



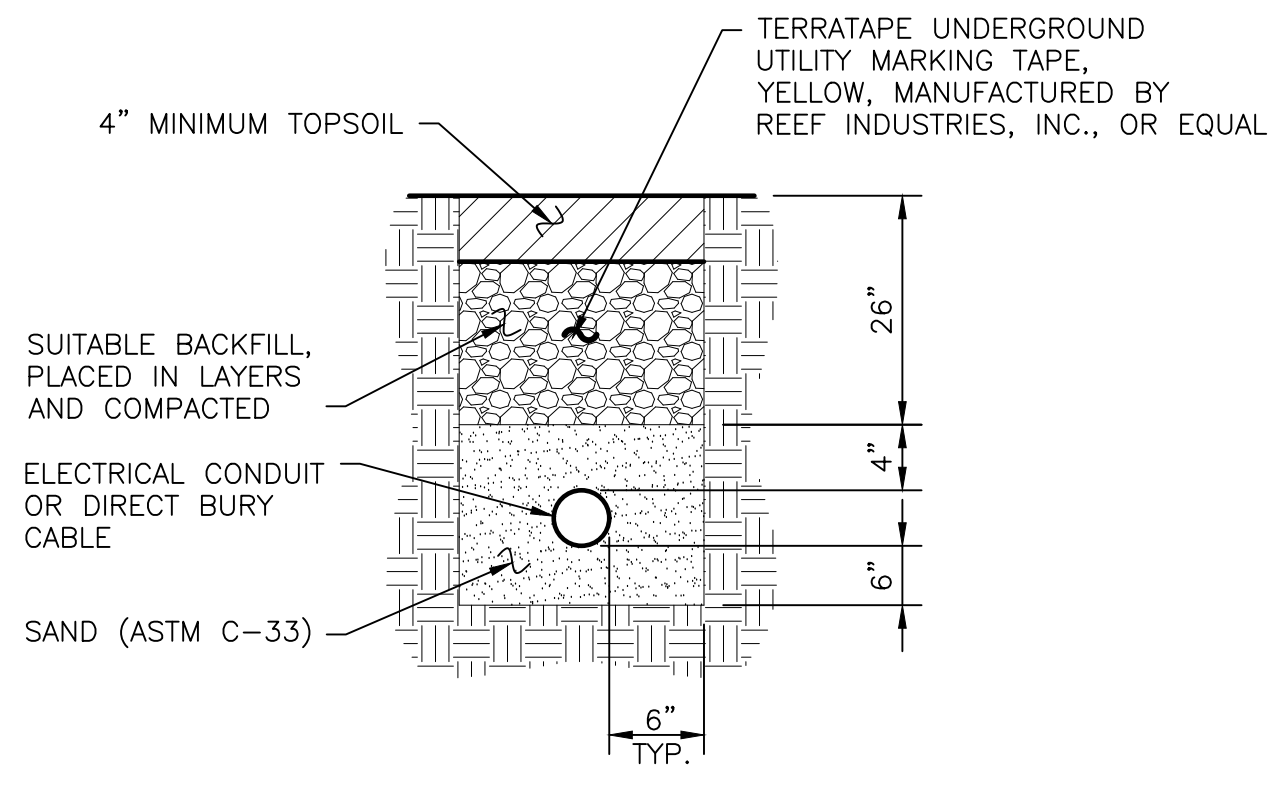
**4 SOLAR ARRAY REAR VIEW**  
C200  
N.T.S.



**5 CHAIN LINK FENCE DETAIL**  
C200  
N.T.S.



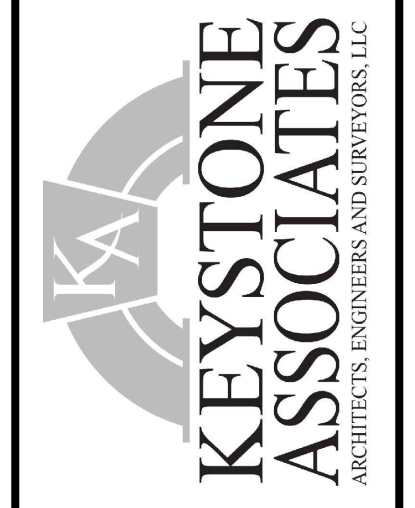
**6 CHAIN LINK SWING GATE**  
C200  
N.T.S.



**7 ELECTRICAL TRENCH DETAIL**  
C200  
N.T.S.

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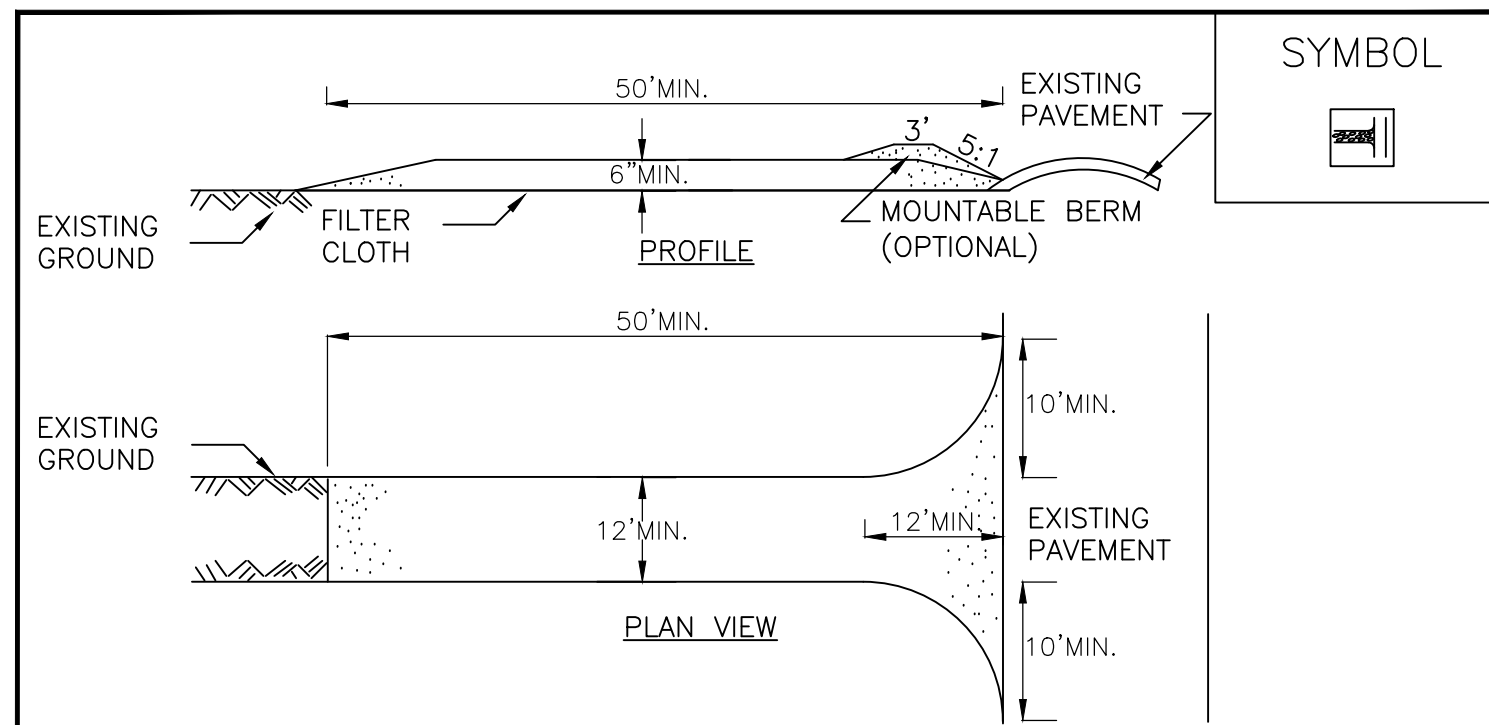


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**SOLAR ARRAY PLAN**  
**MCLEAN SOLAR 2**  
**684 MCLEAN ROAD**  
 TOWN OF CORTLANDVILLE CORTLAND COUNTY, NY  
**FARMLAND SOILS AND DETAILS**

SHEET NO. **C200**  
 PROJECT NO. 2850.24418.2  
 DATE: 12/18/18  
 CAD FILE NO. 285024418\_2\_SITE





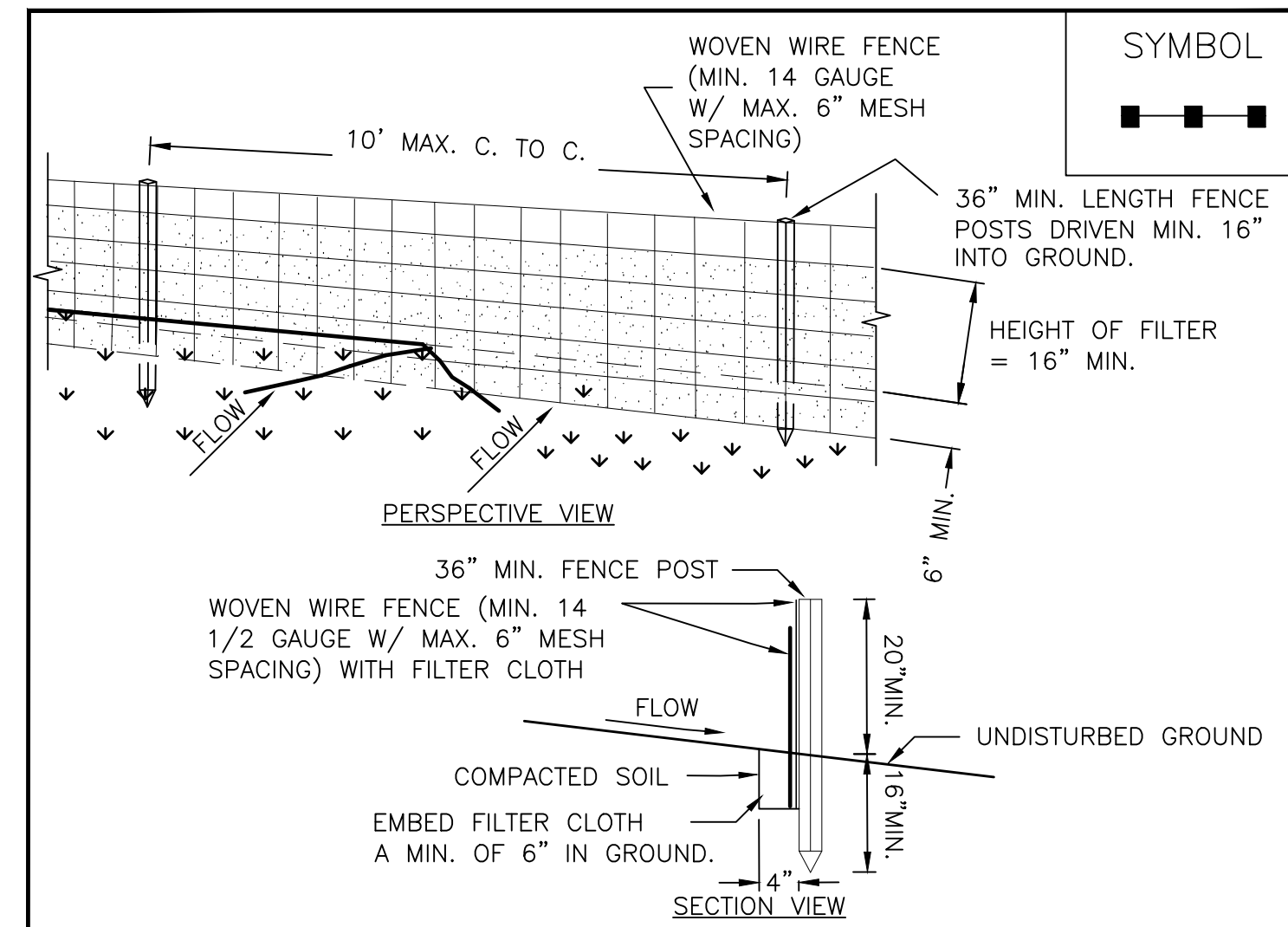
**CONSTRUCTION SPECIFICATIONS**

- STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ACCESS SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS,  
NEW YORK STATE DEPARTMENT OF TRANSPORTATION,  
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION,  
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

**STABILIZED  
CONSTRUCTION  
ACCESS**

**1 STABILIZED CONSTRUCTION ACCESS**  
C210 N.T.S.



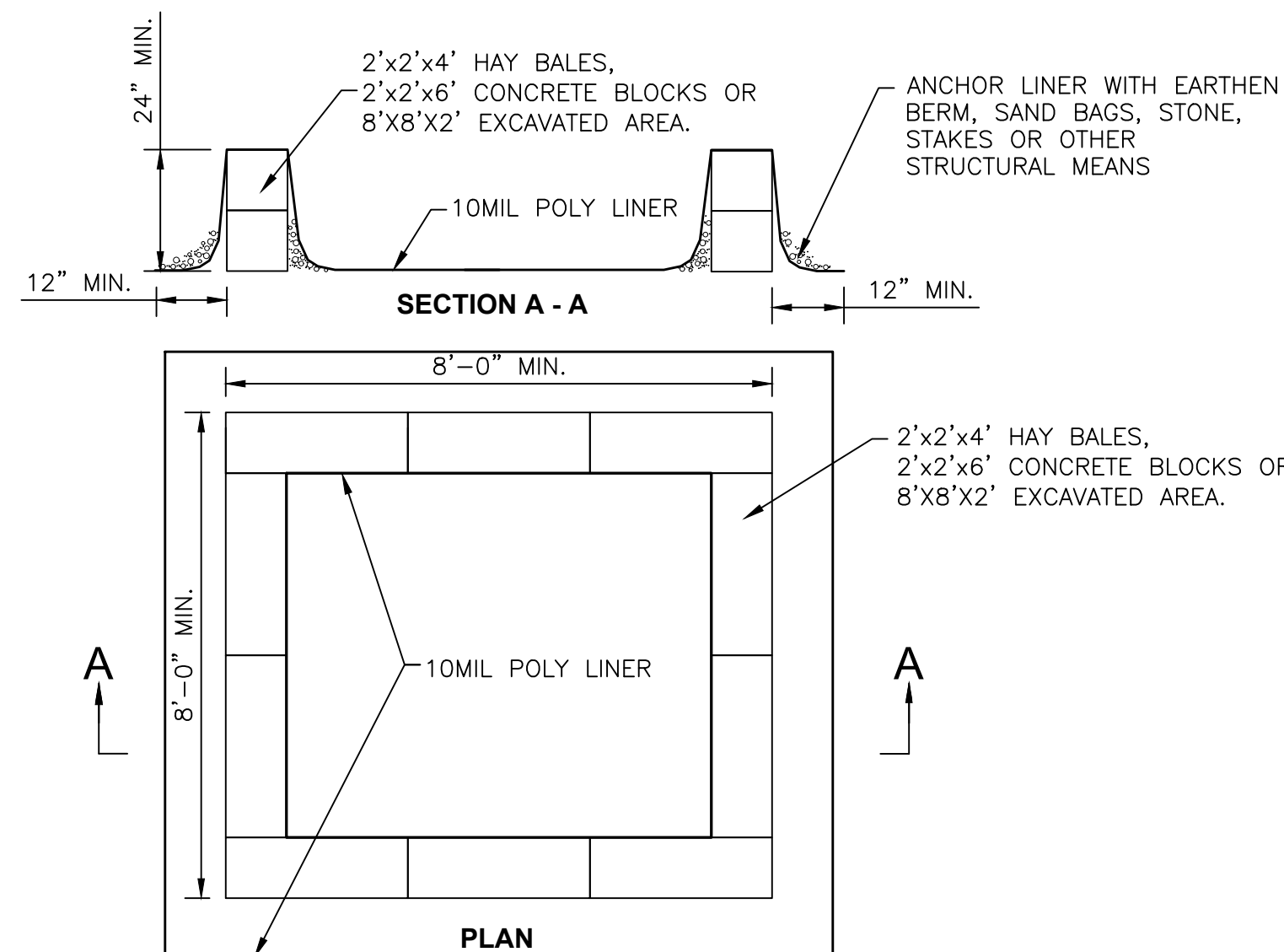
**CONSTRUCTION SPECIFICATIONS**

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
- PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS,  
NEW YORK STATE DEPARTMENT OF TRANSPORTATION,  
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION,  
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

**SILT FENCE**

**2 SILT FENCE**  
C210 N.T.S.



**NOTES:**

- ACTUAL ABOVE GROUND OR EXCAVATED LAYOUT DETERMINED IN FIELD.
- LOCATE THE FACILITY A MINIMUM OF 100' FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS AND OTHER SURFACE WATERS. WASH WATER SHALL NOT BE ALLOWED TO INFILTRATE INTO SOIL OR ENTER SURFACE WATERS. EXCESS RAINWATER SHALL BE PUMPED TO A STABILIZED AREA SUCH AS A GRASSED FILTER STRIP.
- EXCAVATED WASHOUT STRUCTURES SHALL BE A MINIMUM OF 2' DEEP WITH SIDE SLOPES OF 2:1.
- PROVIDE APPROPRIATE ACCESS TO THE STRUCTURE.
- SIGNS SHALL BE INSTALLED TO DIRECT DRIVERS TO THE CONCRETE WASHOUT LOCATION.
- ALL WASHOUT FACILITIES WILL BE LINED. THE LINER SHALL BE PLASTIC SHEETING WITH A MINIMUM THICKNESS OF 10 MILS WITH NO HOLES OR TEARS. LINER SHALL BE REPLACED WITH EACH CLEANING OF STRUCTURE.
- ALL CONCRETE WASHOUT FACILITIES SHALL BE INSPECTED DAILY. DAMAGED OR LEAKING STRUCTURES SHALL BE DEACTIVATED AND REPAIRED OR REPLACED IMMEDIATELY.
- ACCUMULATED HARDENED MATERIAL SHALL BE REMOVED WHEN 75% OF STORAGE CAPACITY OF THE STRUCTURE IS FILLED. THE MATERIAL SHALL BE DISPOSED OF IN A LEGAL MANNER.
- INSPECT THE PROJECT SITE FREQUENTLY TO ENSURE THAT NO CONCRETE DISCHARGES ARE TAKING PLACE IN NON-DESIGNATED AREAS.

**4 CONCRETE WASHOUT STRUCTURE**  
C210 N.T.S.

**EROSION CONTROL NOTES:**

- THE SOIL EROSION AND WATER POLLUTION CONTROL DEVICES AS SHOWN ON THE DRAWINGS ARE MINIMUM REQUIREMENTS. THE OWNER'S REPRESENTATIVE MAY REQUIRE ADDITIONAL MEASURES (OR DELETION OF MEASURES) DURING CONSTRUCTION.
- ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT CONTAMINATION OF WATER BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, EPOXY COATINGS, CONCRETE LEACHATE, OR ANY OTHER POLLUTANT ASSOCIATED WITH CONSTRUCTION AND CONSTRUCTION PROCEDURES.
- DURING CONSTRUCTION, NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE INTO THE WATERS OF NEW YORK STATE, NOR SHALL WASHINGS FROM CONCRETE TRUCKS, MIXERS, OR OTHER DEVICES BE ALLOWED TO ENTER ANY WETLAND OR WATERS.
- THE SEQUENCE OF OPERATIONS SHOULD ALLOW FOR REGRADING AS CLOSE AS POSSIBLE TO FINAL GRADE. EVERY EFFORT SHALL BE MADE TO PROVIDE ESTABLISHMENT OF FINAL TURF IMMEDIATELY AFTER FINAL GRADING SO AS NOT TO LEAVE DISTURBED AREAS EXPOSED TO RAIN OR DRY/WINDY CONDITIONS.
- IF CONSTRUCTION ACTIVITIES ARE DISCONTINUED IN AREAS OF SOIL DISTURBANCE FOR A PERIOD OF 14 DAYS OR MORE, THE AREA SHALL ALSO BE SEEDED AND MULCHED AS DIRECTED BY ENGINEER WITH A TEMPORARY COVER USING A QUICK GROWING SPECIES (RYEGRASS, ITALIAN RYEGRASS, OR CEREAL GRASSES) SUITABLE FOR THE AREA.
- TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL DEVICES SHALL BE CLEANED BI-WEEKLY AS A MINIMUM, AFTER ANY STORM AND AS DIRECTED BY ENGINEER. INSPECTION OF ALL DEVICES SHALL BE MADE DAILY AND DEFICIENCIES CORRECTED THAT DAY.
- ALL CONTROLS SHALL BE PLACED PRIOR TO STARTING EARTHWORK OPERATIONS AND SHALL REMAIN IN PLACE UNTIL THE NEW SLOPES ARE STABILIZED WITH HEALTHY STAND OF GRASS. CONTRACTOR MUST RECEIVE WRITTEN DIRECTION FROM ENGINEER PRIOR TO REMOVAL.
- CONTRACTOR SHALL MAINTAIN A DUMPSTER ON-SITE FOR THE DISPOSAL OF CONSTRUCTION DEBRIS AND THIS DUMPSTER SHALL BE SERVICED AS NEEDED TO PREVENT ANY WASTE CONSTRUCTION MATERIALS FROM CLUTTERING THE JOB SITE.
- CONTRACTOR SHALL COMPLY WITH NYSDEC, GP-0-15-002, SPDES, GENERAL PERMIT REQUIREMENTS IF APPLICABLE.
- PRIOR TO CONSTRUCTION EQUIPMENT ENTERING OR EXITING THE SITE, A CONSTRUCTION ENTRANCE SHALL BE BUILT UNLESS EXISTING CONDITIONS PREVENT ANY TRACKING OF DIRT, MUD, OR DEBRIS OFF THE SITE. THE CONTRACTOR WILL BE RESPONSIBLE TO KEEP ALL ROADS FREE OF DIRT, MUD AND OTHER DEBRIS. THIS WILL INCLUDE BUILDING THE CONSTRUCTION ENTRANCE, SWEEPING, SCRAPING AND WASHING THE PAVEMENT SURFACES WHENEVER NEEDED. THE CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS. THE ENTRANCE SHOULD BE LOCATED SO THAT ALL VEHICLES LEAVING THE SITE WILL UTILIZE IT.
- ALL EROSION CONTROL DEVICES SHALL BE PLACED AS SHOWN ON THE DRAWINGS AND IN ACCORDANCE WITH FEDERAL, STATE, LOCAL AND MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL PLACE AND MAINTAIN ALL EROSION CONTROL DEVICES AS NEEDED THROUGHOUT THE PROJECT.
- TEMPORARY SEEDING SHALL CONSIST OF LIME @ 1/2 TON PER ACRE, FERTILIZER 5-10-10 @ 600 POUNDS PER ACRE, RYEGRASS (ANNUAL OR PERENNIAL) @ 40 POUNDS PER ACRE AND STRAW MULCH @ 2 TON PER ACRE. JUTE MESH SHALL BE PLACED OVER MULCH AND STAKED WHENEVER WINDS OR SLOPE WILL CAUSE THE MULCH AND SEED TO BECOME DEPLETED OR ERODED. AREAS SHALL BE TEMPORARY SEEDED WHEN THEY ARE SUBJECT TO EROSION AND WILL LIE DORMANT FOR A MONTH OR MORE.

**SEEDING**

- SEED, MULCH AND FERTILIZE AS NECESSARY TO RESTORE ALL DISTURBED AREAS TO ORIGINAL CONDITION OR BETTER.
- WHEN PLACING BY HYDROSEEDING APPLICATION SEED SHALL BE PLACED AT 80 POUNDS PER ACRE, HYDROMULCH AT 1,200 POUNDS PER ACRE, WATER AT 500 GALLONS PER ACRE AND FERTILIZER AT A MINIMUM OF 220 POUNDS PER ACRE.
- IF PLACING BY MECHANICAL MEANS FERTILIZER SHALL BE PLACED AT 25 POUNDS PER 1,000 SQUARE FEET, SEED AT 5 POUNDS PER 1,000 SQUARE FEET AND STRAW MULCH AT 2 TONS PER ACRE. PLACE FERTILIZER AND SEED THEN LIGHTLY RAKE AND THEN ROLL WITH 200 POUND ROLLER. MULCH THE AREA THEN WATER. STRAW MAY NEED TO BE SECURE TO PREVENT IT BLOWING AWAY.

NOT FOR CONSTRUCTION

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**SOLAR ARRAY PLAN**  
**MCLEAN SOLAR 2**  
**684 MCLEAN ROAD**  
CORTLAND COUNTY, NY  
**TOWN OF CORTLANDVILLE**  
**DETAILS AND NOTES**

SHEET NO.  
**C210**  
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2850.24418.2  
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12/18/18  
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