

SOLAR ARRAY PLAN

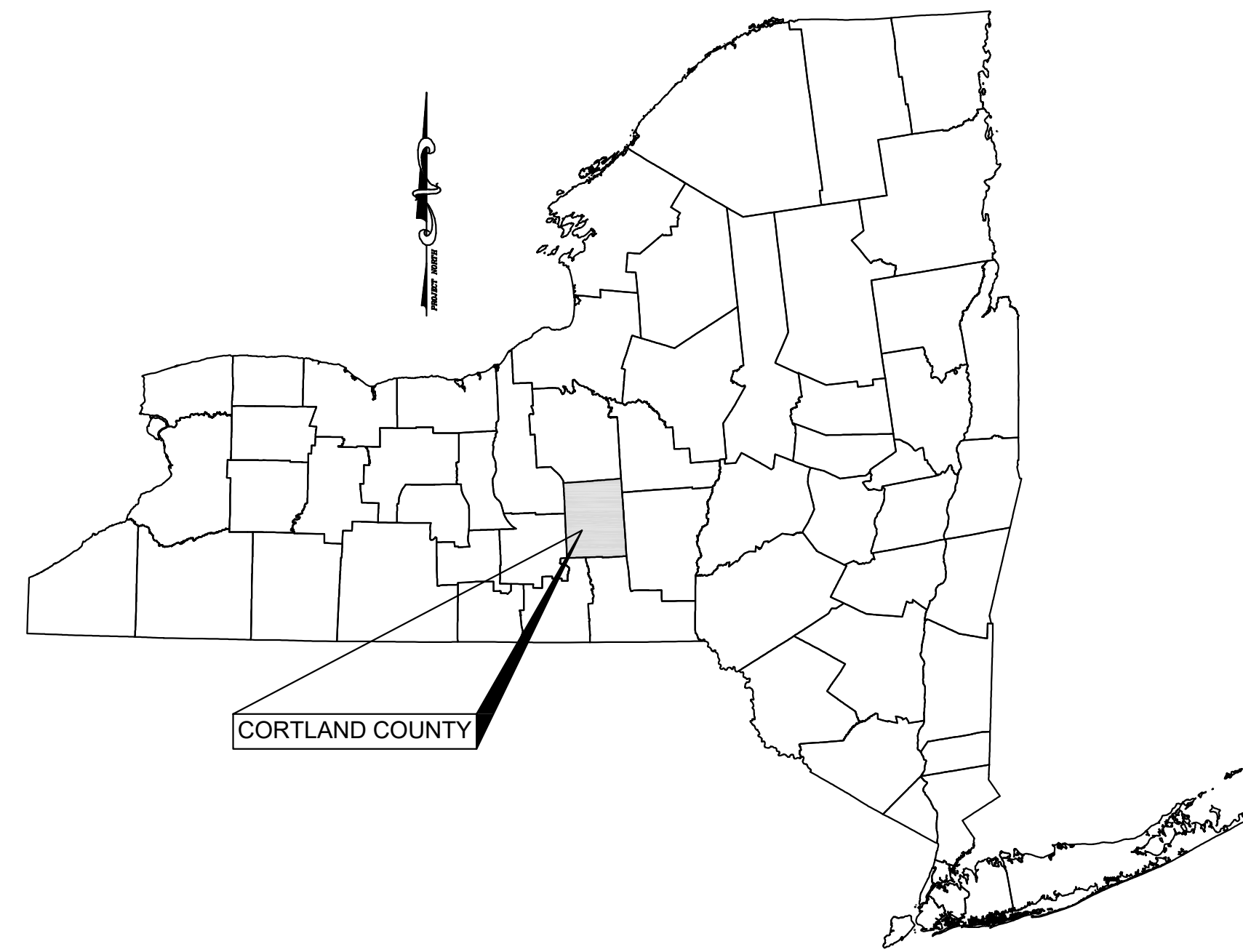
MCLEAN SOLAR 1

415 MCLEAN ROAD

TOWN OF CORTLANDVILLE

COUNTY OF CORTLAND

STATE OF NEW YORK

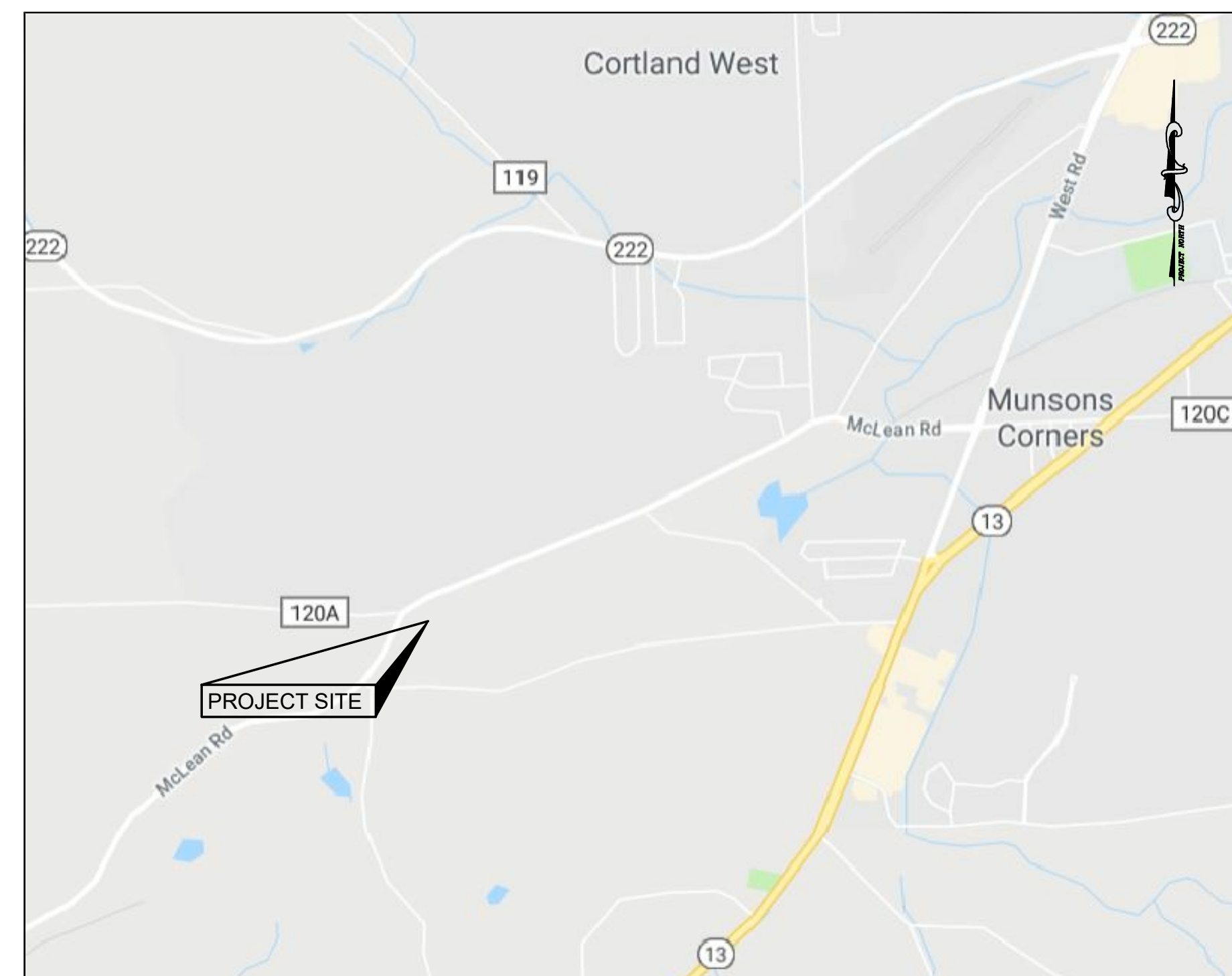


APPLICANT/DEVELOPER:

MCLEAN SOLAR 1, 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



LOCATION MAP
SCALE 1" = 2000'

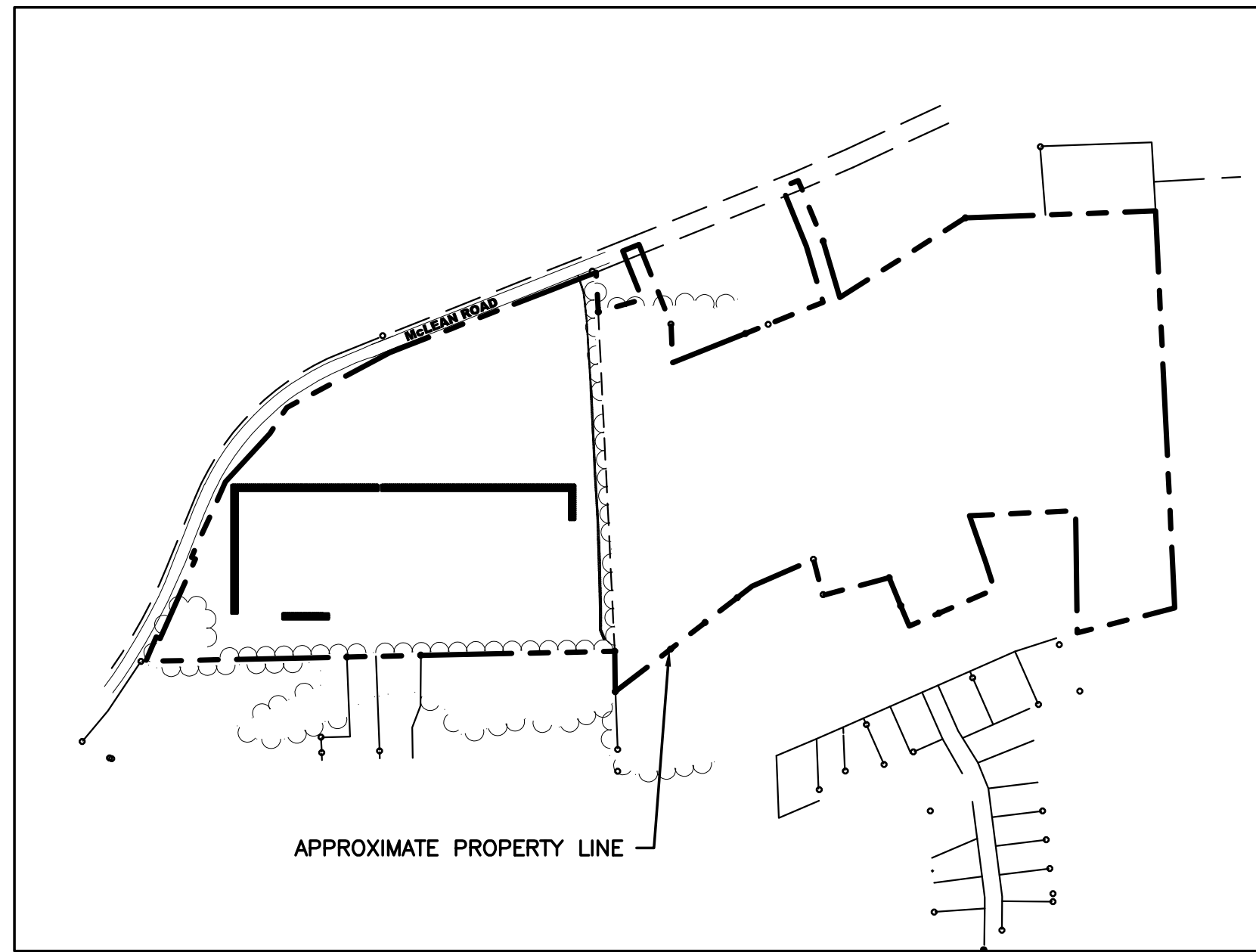
DRAWINGS PREPARED BY

KEYSTONE ASSOCIATES
ARCHITECTS, ENGINEERS AND SURVEYORS, LLC
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Binghamton, New York 13901
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www.keyscorp.com

PROJECT NO. 2850.24418.1

DECEMBER 18, 2018
REVISED: FEBRUARY 12, 2019
REVISED: MARCH 15, 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'



N/F
FARM EAST LLC
INST. # 2017-02533
REC. JUNE 2, 2017
TM# 95.00-01-33.1
McLEAN RD.

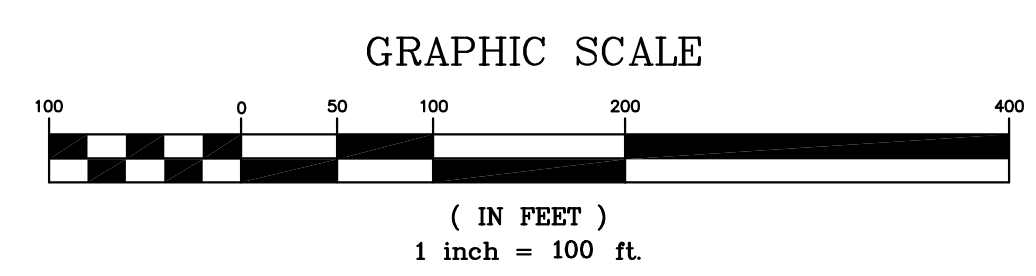
N/F
DANIEL G. MILLARD
INST. # 2013-01304
REC. MAR. 11, 2013
TM# 95.00-01-42
407 LIME HOLLOW RD.

N/F
RICHARD J. GUNNINGS
INST. # 2017-00767
REC. FEB. 14, 2017
TM# 95.18-01-02
431 LIME HOLLOW RD.

N/F
RICHARD J. GUNNINGS
INST. # 2017-03848
REC. AUG. 11, 2017
TM# 95.18-01-03.1
453 LIME HOLLOW RD.

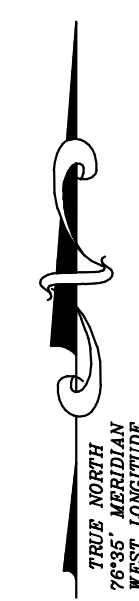
N/F
RONALD D. CARPENTER
INST. # 2017-03849
REC. AUG. 11, 2017
TM# 95.18-01-03.2
459 LIME HOLLOW RD.

- LEGEND**
- BENCHMARK (NAVD 88)
 - ⊕ MONUMENT FOUND AND NOTED
 - N/F NOW OR FORMERLY
 - TM# TAX MAP NUMBER
 - PROPERTY LINE
 - - - TAX MAP LINES
 - UTILITY POLE WITH LIGHT
 - UTILITY POLE
 - OHW OVERHEAD UTILITIES
 - CABLE PEDESTAL
 - CATCH BASIN
 - ⊗ FIRE HYDRANT
 - SPOT ELEVATION



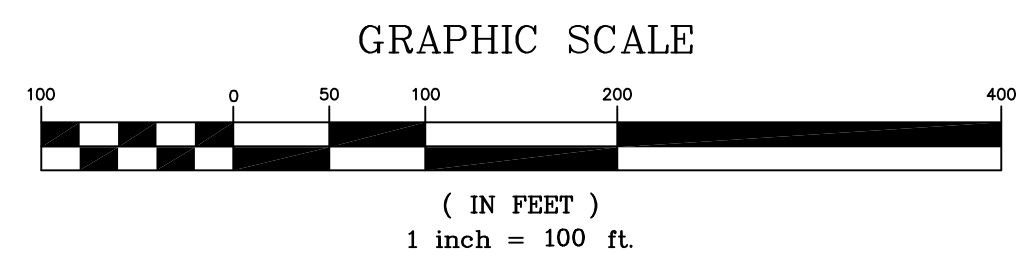
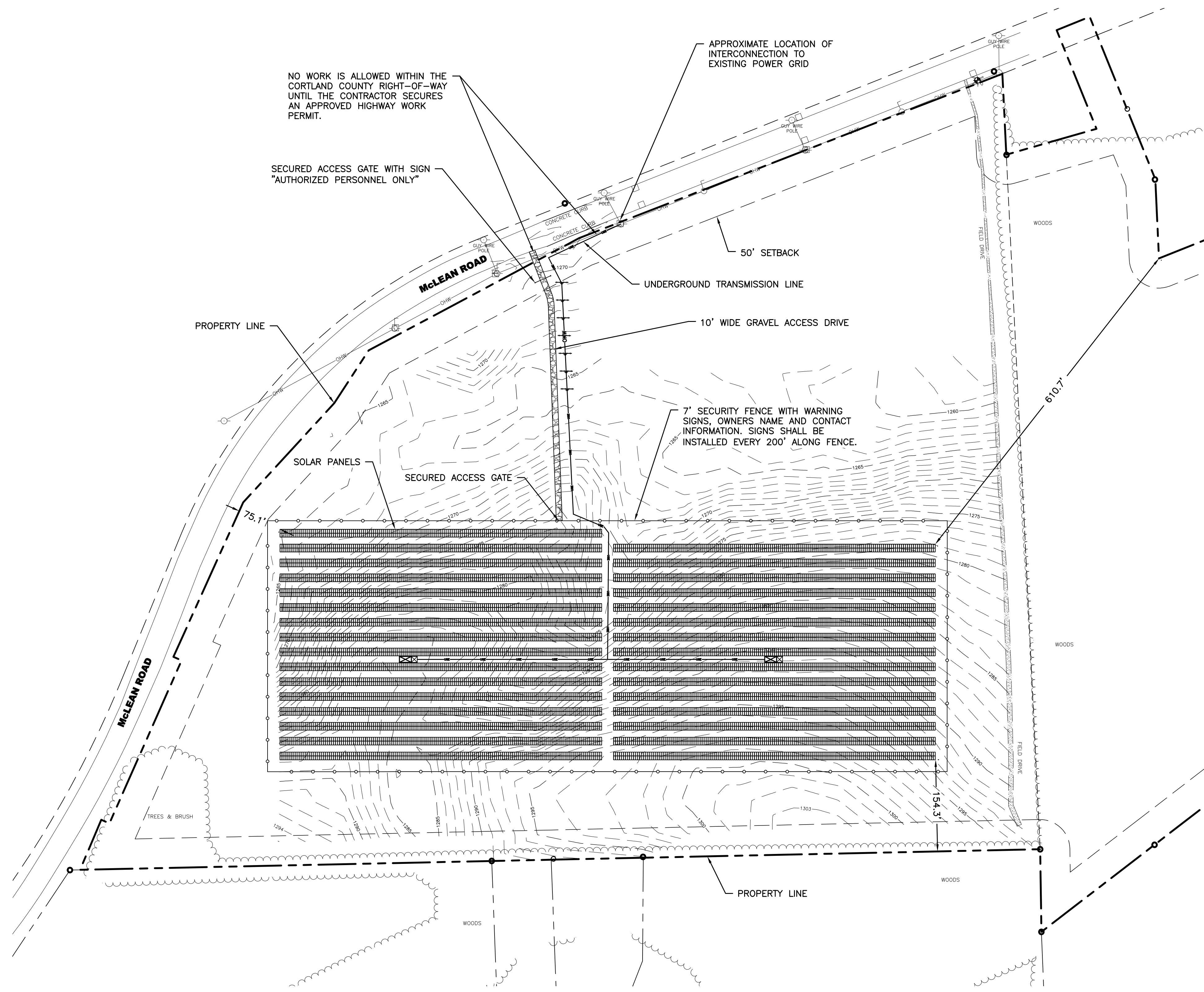
- NOTES**
- FIELD SURVEY WAS COMPLETED ON DECEMBER 08, 2018.
 - HORIZONTAL DATUM IS REFERENCED TO NEW YORK STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83.
 - VERTICAL DATUM IS REFERENCED TO NORTH AMERICAN VERTICAL DATUM 1988.
 - AT THE TIME OF THE SURVEY THERE WAS APPROXIMATELY 4 INCHES OF SNOW 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

<p>58 Exchange Street Binghamton, New York 13901 Phone: 607.722.1100 Fax: 607.722.2515 Email: info@keystone.com www.keystone.com</p>							
<p>SOLAR ARRAY PLAN 1 MCLEAN ROAD 415 MCLEAN ROAD CORTLAND COUNTY, NY</p>							
<p>EXISTING SITE CONDITIONS</p>							
<p>SHEET NO. C010</p> <p>PROJECT NO. 2850.24418.1</p> <p>DATE: 12/18/18</p>	<p>NO. DESCRIPTION DATE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">2</td> <td style="width: 85%;">FINISHED PANEL LAYOUT, 2018, 3/15/18</td> <td style="width: 10%;">3/15/18</td> </tr> <tr> <td>1</td> <td>CHANGED PANEL LAYOUT, CHANGED DRAWING NUMBER, ADVANCED DESIGN NUMBER, 2018, 2/12/18</td> <td>2/12/18</td> </tr> </table> <p>© Copyright 2018 Keystone Associates Architects, Engineers and Surveyors, LLC</p>	2	FINISHED PANEL LAYOUT, 2018, 3/15/18	3/15/18	1	CHANGED PANEL LAYOUT, CHANGED DRAWING NUMBER, ADVANCED DESIGN NUMBER, 2018, 2/12/18	2/12/18
2	FINISHED PANEL LAYOUT, 2018, 3/15/18	3/15/18					
1	CHANGED PANEL LAYOUT, CHANGED DRAWING NUMBER, ADVANCED DESIGN NUMBER, 2018, 2/12/18	2/12/18					
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ZONING NOTES

ZONING DISTRICT: I-1
USE: GROUND-MOUNTED LARGE-SCALE SOLAR ENERGY SYSTEM

	ZONING REQUIRED	SOLAR REQUIRED	ACTUAL
MINIMUM LOT SIZE:	NONE	NONE	141.9 AC
MINIMUM LOT FRONTAGE:	50 LF	50 LF	2,204 LF
MAXIMUM LOT COVERAGE:	70%	70%	6.82%
MINIMUM YARD DIMENSIONS:			
PRINCIPAL:			
FRONT	50 LF	N/A	N/A
REAR	40 LF	N/A	N/A
SIDE	12 LF	N/A	N/A
ACCESSORY:			
FRONT	N/A	50 LF	75.1 LF
REAR	N/A	50 LF	154.3 LF
TO PRINCIPAL	N/A	N/A	N/A
SIDE	N/A	50 LF	610.7 LF
MAXIMUM STRUCTURE HEIGHT:	NONE	20 FT	12 FT

TOTAL ACREAGE OF PROJECT: ± 12.00 ACRES
TOTAL ACREAGE TO BE DISTURBED: ± 0.59 ACRES

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.



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SOLAR ARRAY PLAN 1
MCLEAN SOLAR 1
415 MCLEAN ROAD
CORTLAND COUNTY, NY

TOWN OF CORTLANDVILLE
SITE PLAN

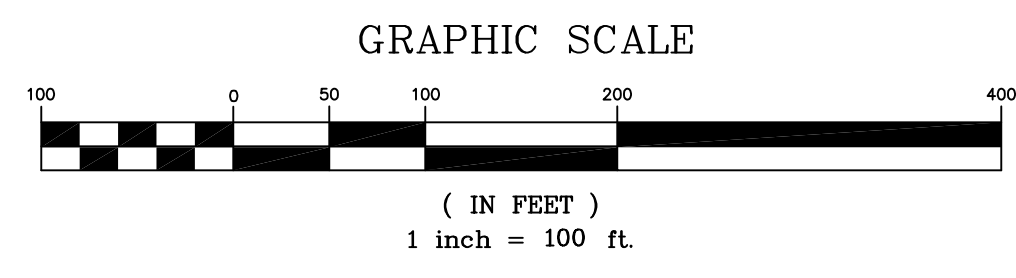
WARNING: This is a violation of Section 7209 of the State Education Law for any person who is not a duly Licensed Professional Architect, Engineer, or Surveyor. Any person who violates this section shall be liable for a civil penalty of \$500 for each day of violation. If a survey has been applied, the surveyor's name shall be noted.

NO. 1
DESCRIPTION AND DATE

NO.	DESCRIPTION	DATE
2	FINISHED PANEL LAYOUT, 1/17/18	1/17/18
1	CHANGED PANEL LAYOUT, CHANGED DRAWING NUMBER, ADVANCED DESIGN NUMBER, 2/12/19	2/12/19

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SHEET NO.
C100
PROJECT NO.
2850.24418.1
DATE:
12/18/18
CAD FILE NO.: 285024418_1_Site.dwg

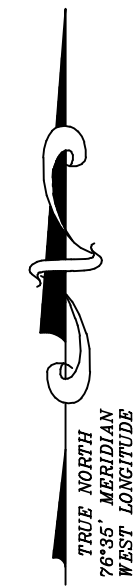


ZONING NOTES

ZONING DISTRICT: I-1
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	ZONING REQUIRED	SOLAR REQUIRED	ACTUAL
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 and Surveyors, LLC

NO.	REVISIONS AND DESCRIPTIONS	DATE
2	FINISHED PANEL LAYOUT, 1/15/18	1/15/18
1	CHANGED PANEL LAYOUT, CHANGED DRAWING LAYOUT, ADVANCED DESIGN NUMBERS, 2/12/18	2/12/18

SOLAR ARRAY PLAN 1
MCLEAN SOLAR 1
 415 MCLEAN ROAD
 TOWN OF CORTLANDVILLE
 CORTLAND COUNTY, NY
 SITE PLAN WITH AERIAL PHOTO

SHEET NO.
C105
 PROJECT NO.
 2850.24418.1
 DATE:
 12/18/18
 CAD FILE NO.: 285024418_1_Site.dwg

EROSION CONTROL NOTES:

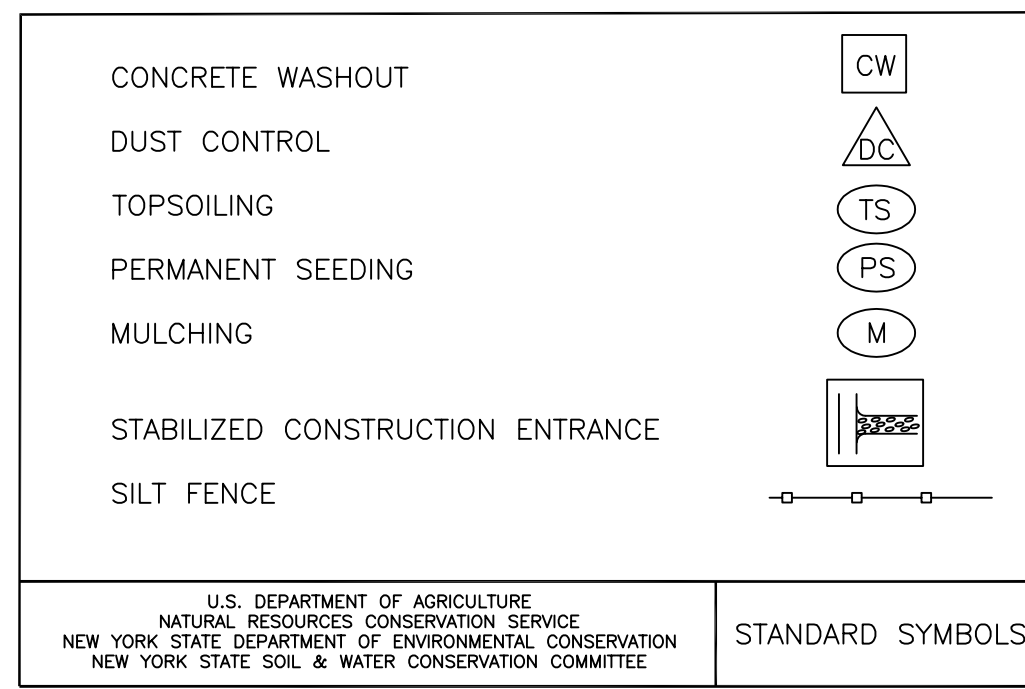
1. THE SOIL EROSION AND WATER POLLUTION CONTROL DEVICES AS SHOWN ON THE DRAWINGS ARE MINIMUM REQUIREMENTS. THE OWNER'S REPRESENTATIVE MAY REQUIRE ADDITIONAL MEASURES (OR DELETION OF MEASURES) DURING CONSTRUCTION.
2. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT CONTAMINATION OF WATER BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, EPOXY COATINGS, CONCRETE LEACHATE, OR ANY OTHER POLLUTANT ASSOCIATED WITH CONSTRUCTION AND CONSTRUCTION PROCEDURES.
3. 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.
4. 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.
5. 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.
6. TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL DEVICES SHALL BE CLEANED WHEN THE DEVICES REACH 50% STORAGE CAPACITY AND AS DIRECTED BY ENGINEER. INSPECTION OF ALL DEVICES SHALL BE MADE DAILY AND DEFICIENCIES CORRECTED THAT DAY.
7. ALL CONTROLS SHALL BE PLACED PRIOR TO STARTING EARTHWORK OPERATIONS AND SHALL REMAIN IN PLACE UNTIL ALL AREAS ARE STABILIZED WITH HEALTHY STAND OF GRASS.
8. CONTRACTOR SHALL COMPLY WITH NYSDEC, GP-0-15-002, SPDES, GENERAL PERMIT REQUIREMENTS IF APPLICABLE.
9. 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.
10. 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.
11. 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 BE INACTIVE FOR 14 OR MORE DAYS.

SEEDING

1. SEED, MULCH AND FERTILIZE AS NECESSARY TO RESTORE ALL DISTURBED AREAS TO ORIGINAL CONDITION OR BETTER.
2. SOIL pH SHALL BE TESTED AND ADJUSTED TO BE 6.0 TO 7.0.
3. PREPARE SEEDBED BY LOOSENING SOIL TO A DEPTH OF 4 TO 6 INCHES. PLACE FERTILIZER (AS REQUIRED BY SOIL TEST) 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 FROM BLOWING AWAY.
4. HEAVY SHADE AREAS (UNDER PANELS) SHALL BE SEEDED WITH A 100% FINE FESCUE VARIETY BLEND (± 20% HARD FESCUE, ± 40% CHEWINGS FESCUE, AND ± 40% CREEPING FESCUE). INITIAL SEEDING SHALL BE DONE AT A RATE OF 4.0 TO 5.0 POUNDS PER 1,000 SF. OVER-SEEDING (MAINTENANCE SEEDING) SHALL BE DONE WITH THE SAME SEED BLEND AT A RATE OF 2.0 TO 2.5 POUNDS PER 1,000 SF.
5. LAWN AREAS SHALL BE SEEDED WITH A RECREATIONAL SEED BLEND (± 65% CREEPING RED FESCUE, ± 20% PERENNIAL RYEGRASS, AND ± 15% FINE FESCUE). INITIAL SEEDING SHALL BE DONE AT A RATE OF 4.0 TO 5.0 POUNDS PER 1,000 SF. OVER-SEEDING (MAINTENANCE SEEDING) SHALL BE DONE WITH THE SAME SEED BLEND AT A RATE OF 2.0 TO 2.5 POUNDS PER 1,000 SF.
6. BUFFER AREAS SHALL BE SEEDED WITH A 100% PERENNIAL RYEGRASS SEED. INITIAL SEEDING SHALL BE DONE AT A RATE OF 4.0 TO 5.0 POUNDS PER 1,000 SF. OVER-SEEDING (MAINTENANCE SEEDING) SHALL BE DONE WITH THE SAME SEED BLEND AT A RATE OF 2.0 TO 2.5 POUNDS PER 1,000 SF.

MAINTENANCE

1. MOW AREAS WITHIN FENCE A MINIMUM OF 3 OR 4 TIMES A YEAR. MOW BUFFER AREAS A MINIMUM OF 2 TIMES A YEAR.
2. INSPECT HEALTH OF GRASSED AREAS 3 TO 4 TIMES PER YEAR. LOOK FOR THIN AND BARE AREAS, AREAS OF EROSION, AREAS OF COMPACTION OR OTHER SIGNS OF AN UNHEALTHY LAWN AREA.
3. RESEED ALL THIN AND BARE AREAS. ANY EROSION SHALL BE REPAIRED BY ADDING SOILS AS NECESSARY, RESEED ACCORDING TO APPROPRIATE SEED MIXTURE AND MULCH AREA.
4. TEST SOIL EVERY 3 YEARS. FERTILIZE IN ACCORDANCE WITH SOIL TEST ANALYSIS. MAINTAIN SOIL pH OF 6.0 TO 7.0.
5. AERATE COMPACTED AND HEAVILY TRAVELED AREAS AS NECESSARY.

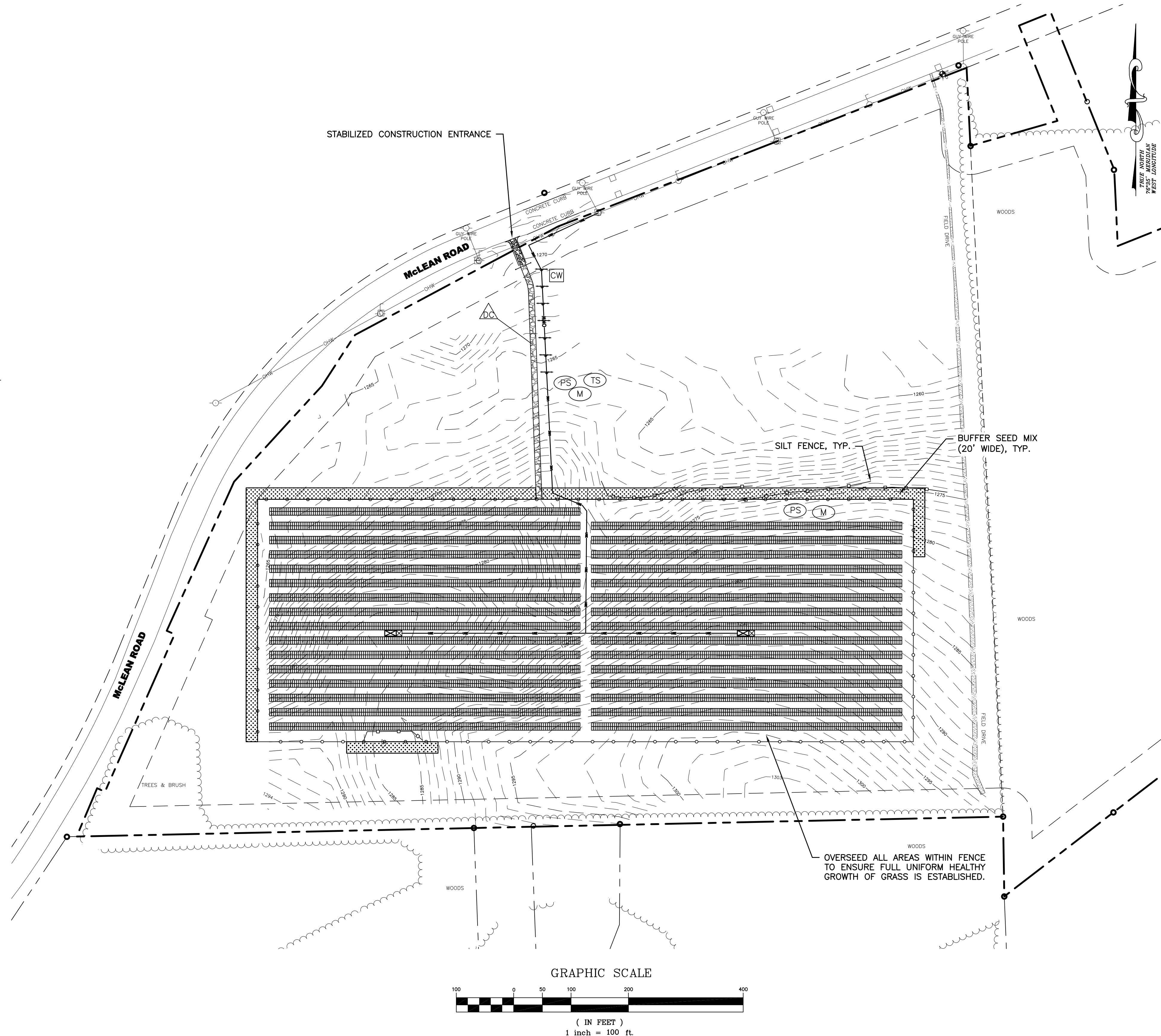


NOTES:

1. SOLAR ARRAY SUPPORTS AND CHAIN LINK FENCE POST SHALL BE DRIVEN OR DIRECT AUGERED.
2. CONTRACTOR SHALL BACKFILL ALL TRENCHES ON THE SAME DAY AS THEY ARE EXCAVATED. SEEDING AND MULCHING SHALL OCCUR IMMEDIATELY AFTER TRENCHING HAS BEEN COMPLETED.
3. IF THE E&SC 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.
4. CONTRACTOR SHALL NOT EXCAVATE FOR ROAD OR UNDERGROUND UTILITIES MORE THAN THEY CAN BACKFILL/INSTALL IN THE SAME DAY.

CONSTRUCTION SEQUENCE

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
2. INSTALL SILT FENCE.
3. BEGIN GRADING OPERATIONS FOR ACCESS DRIVE.
4. INSTALL SOLAR BASE SUPPORTS AND SOLAR ARRAYS.
5. INSTALL CHAIN LINK FENCE AND OTHER AMENITIES.
6. INSTALL UNDERGROUND AND OVERHEAD ELECTRICAL AND CONNECT TO EXISTING POWER DISTRIBUTION SYSTEM.
7. INSTALL SEED AND MULCH TO STABILIZE ALL DISTURBED AREAS.
8. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.



KEYSTONE ASSOCIATES
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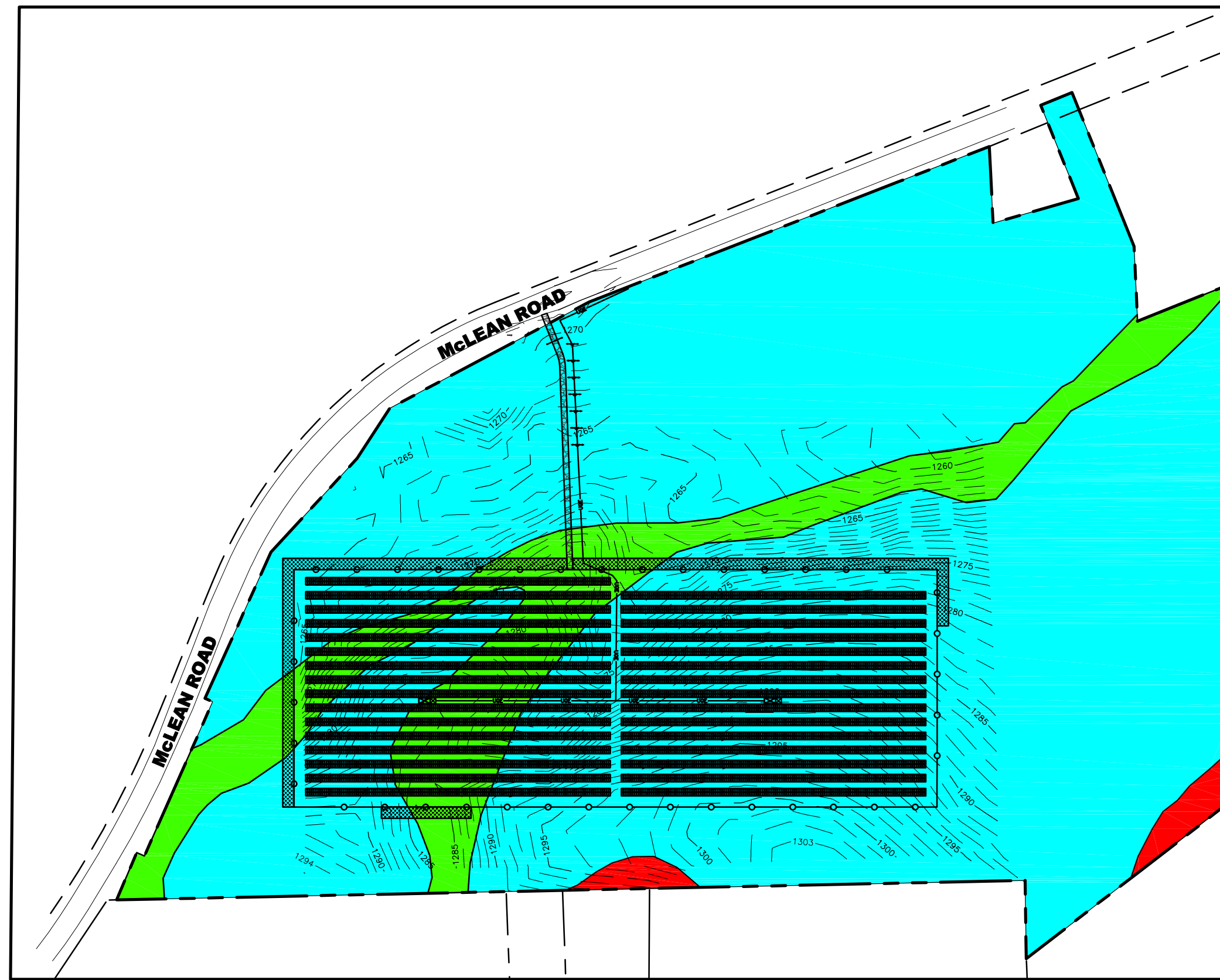
EROSION AND SEDIMENT CONTROL PLAN

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NO.	REVISIONS AND DESCRIPTIONS	DATE
2	FINISHED PANEL LAYOUT, 1/18/18	3/15/18
1	ISSUED PANEL LAYOUT, CHANGED DRAWING LAYOUT, ADVANCED DESIGN NUMBERS.	2/12/18

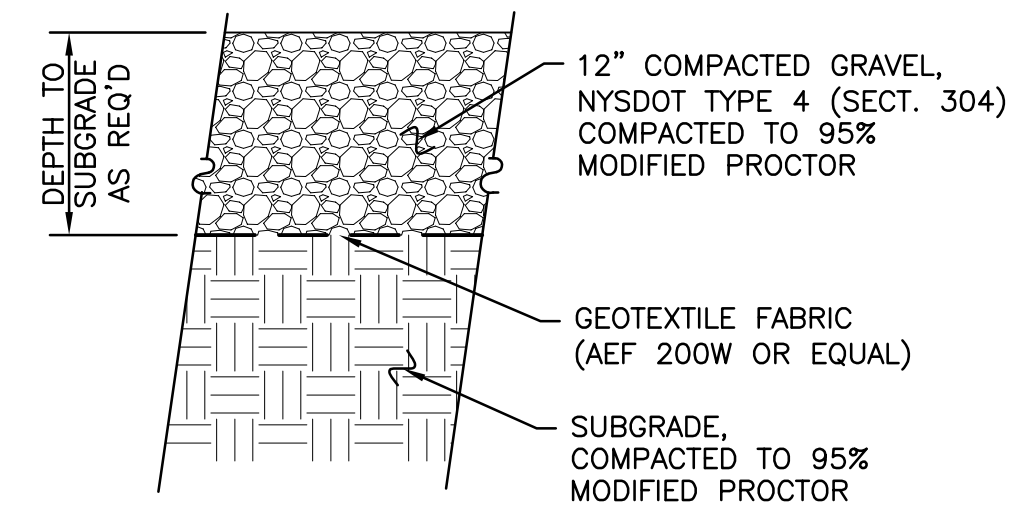
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SHEET NO. **C110**
 PROJECT NO. 2850.24418.1
 DATE: 12/18/18
 CAD FILE NO.: 285024418_1_Site.dwg

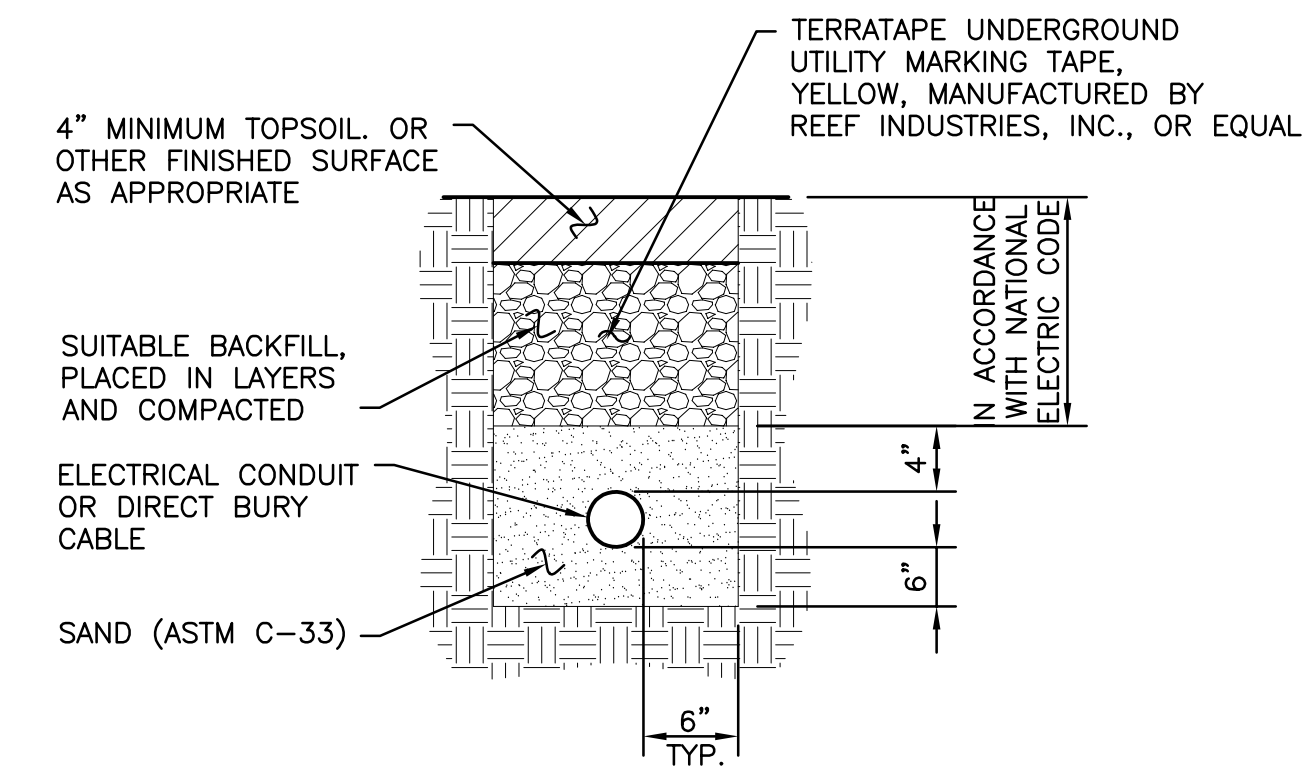


1 FARMLAND SOILS MAP
C200
1" = 200'

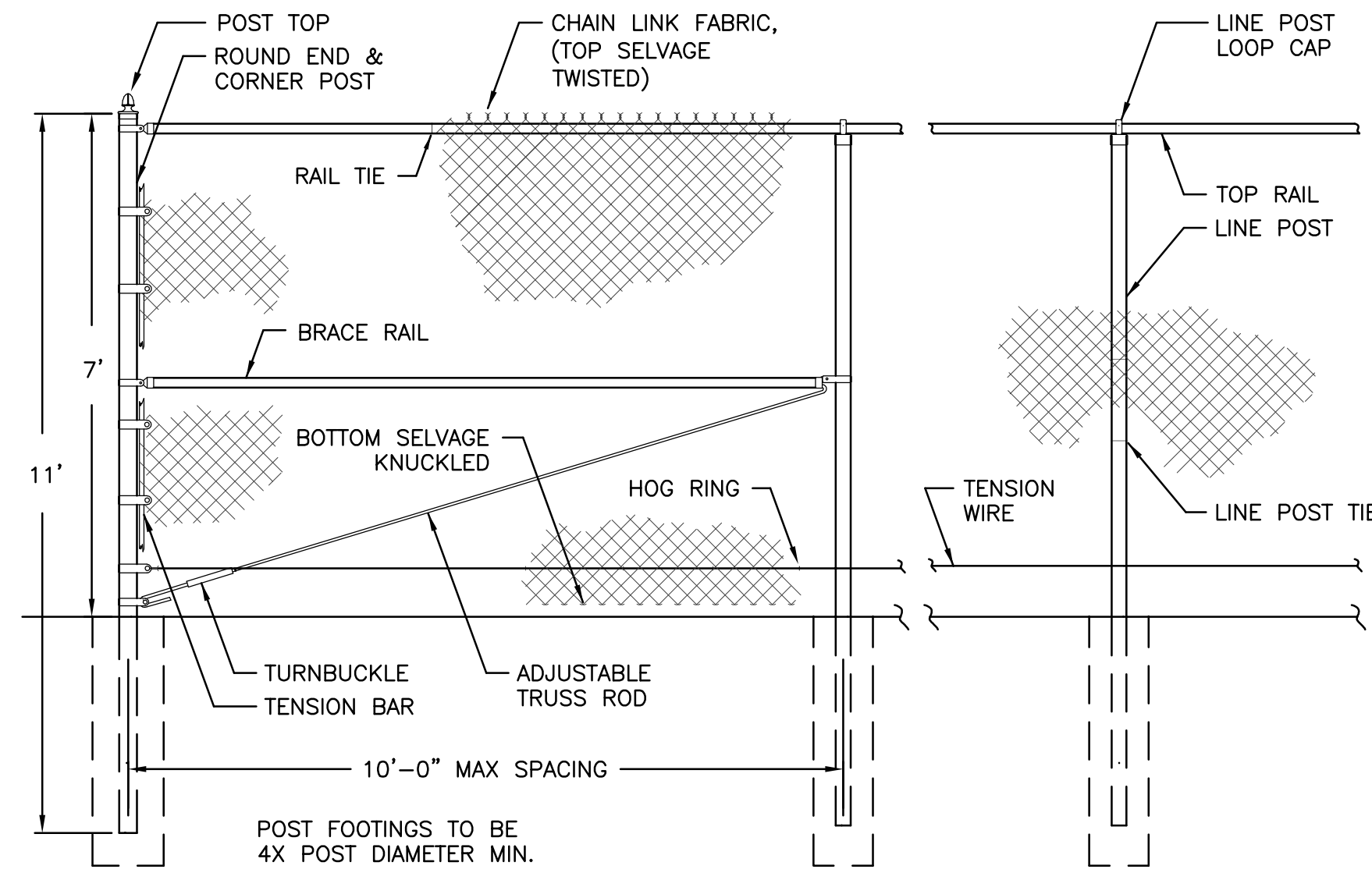
- PRIME FARMLAND
- NOT PRIME FARMLAND
- FARMLAND OF STATEWIDE IMPORTANCE



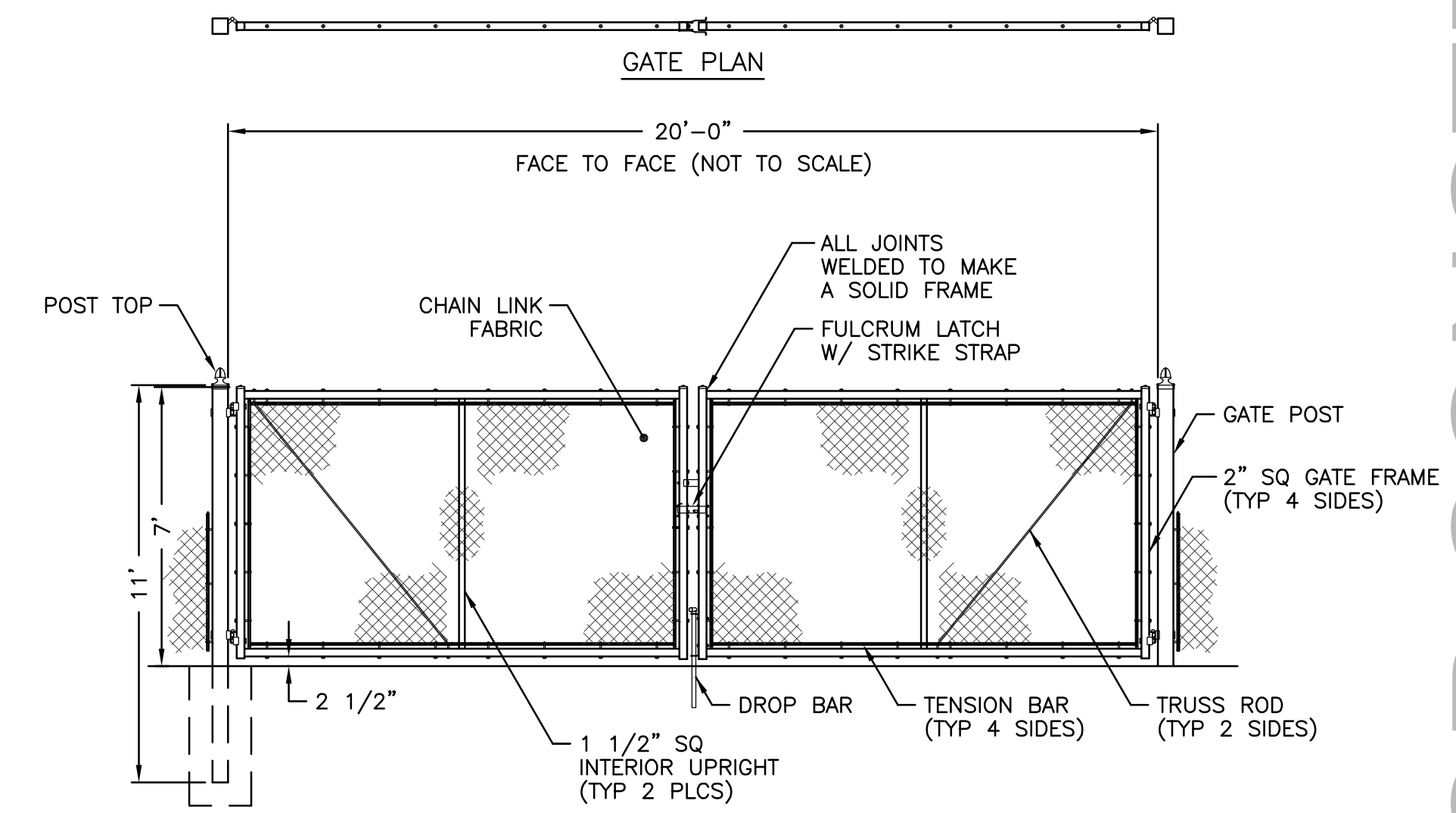
2 GRAVEL DRIVE DETAIL
C200
N.T.S.



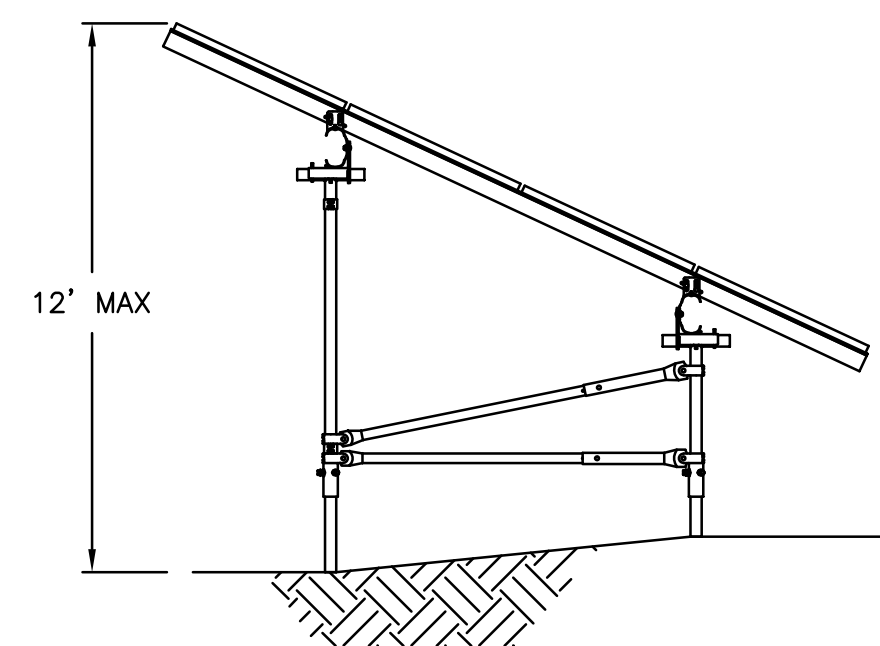
3 ELECTRICAL TRENCH DETAIL
C200
N.T.S.



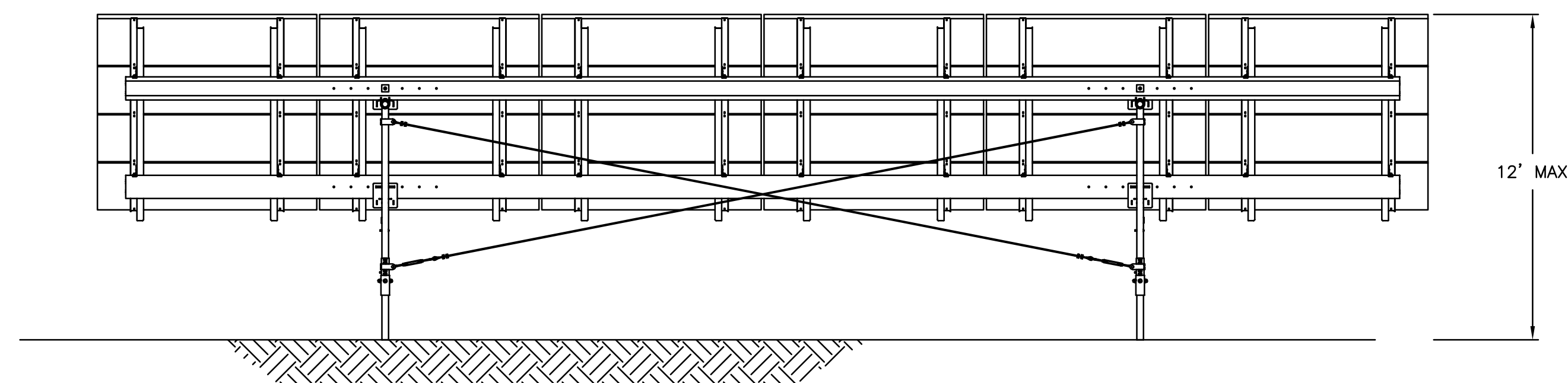
4 CHAIN LINK FENCE DETAIL
C200
N.T.S.



5 CHAIN LINK SWING GATE
C200
N.T.S.



6 SOLAR ARRAY SIDE VIEW
C200
N.T.S.



7 SOLAR ARRAY REAR VIEW
C200
N.T.S.

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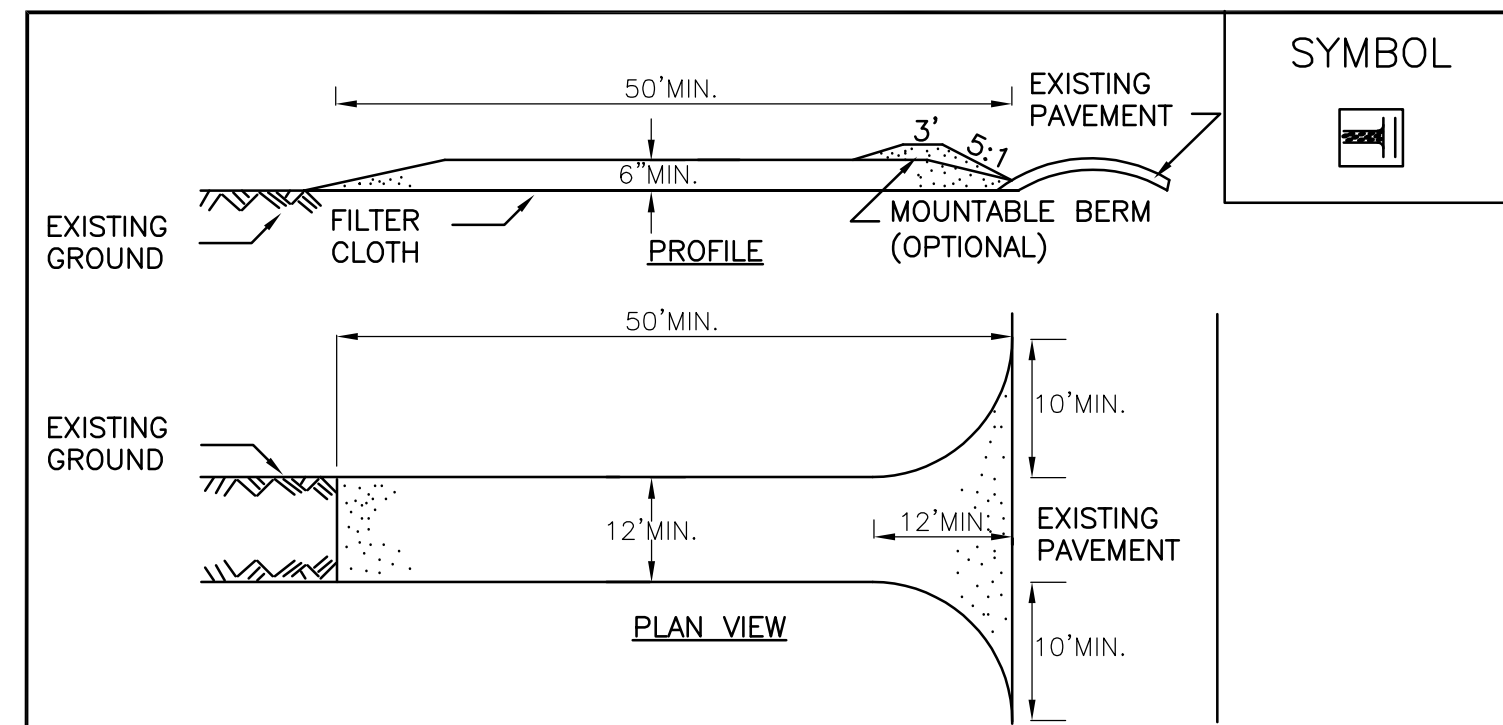
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NO.	REVISIONS AND DESCRIPTIONS	DATE
2	FINISHED PANEL LAYOUT, CHAIN LINK FENCE, CHAIN LINK SWING GATE, CHANGED DRAWING LAYOUT, ADVANCED DESIGN.	3/15/19
1	ISSUED PANEL LAYOUT, CHAIN LINK SWING GATE, CHANGED DRAWING LAYOUT, ADVANCED DESIGN.	2/12/19

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

SHEET NO.
C200
PROJECT NO.
2850.24418.1
DATE: 12/18/18
CAD FILE NO.: 285024418_1_Site.dwg



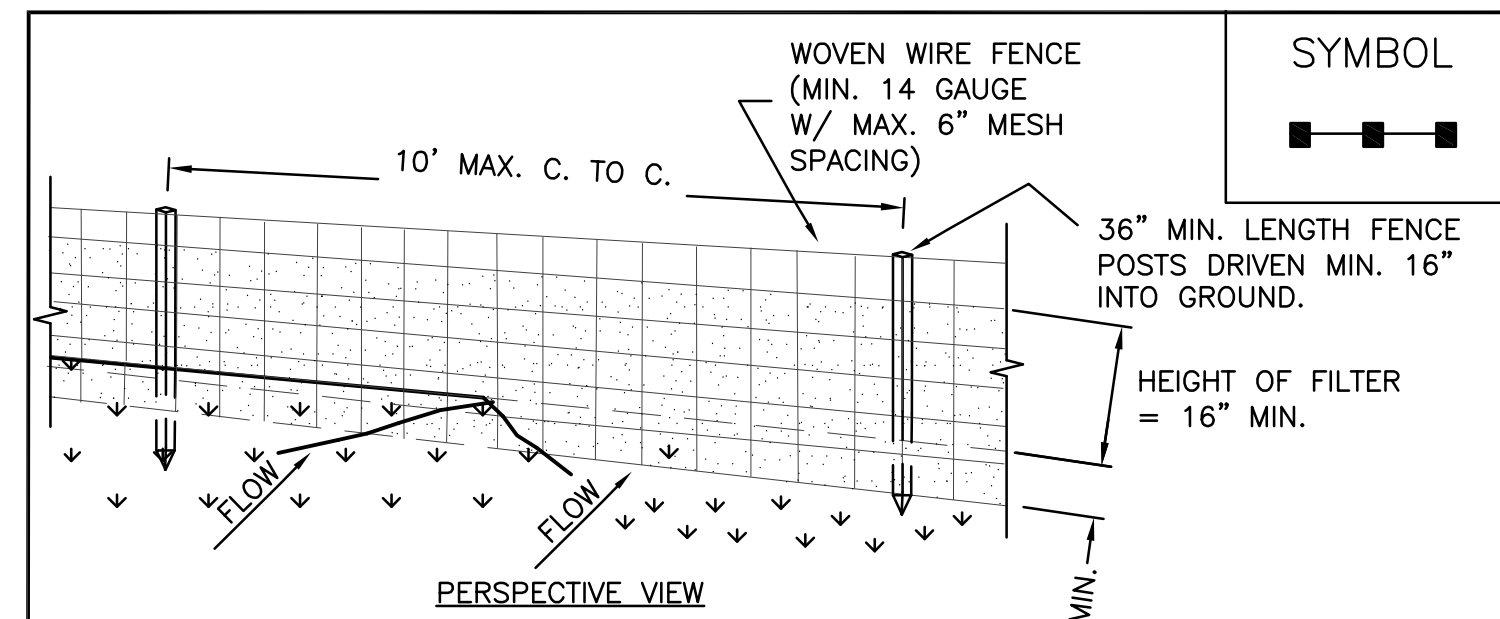
CONSTRUCTION SPECIFICATIONS

- 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.



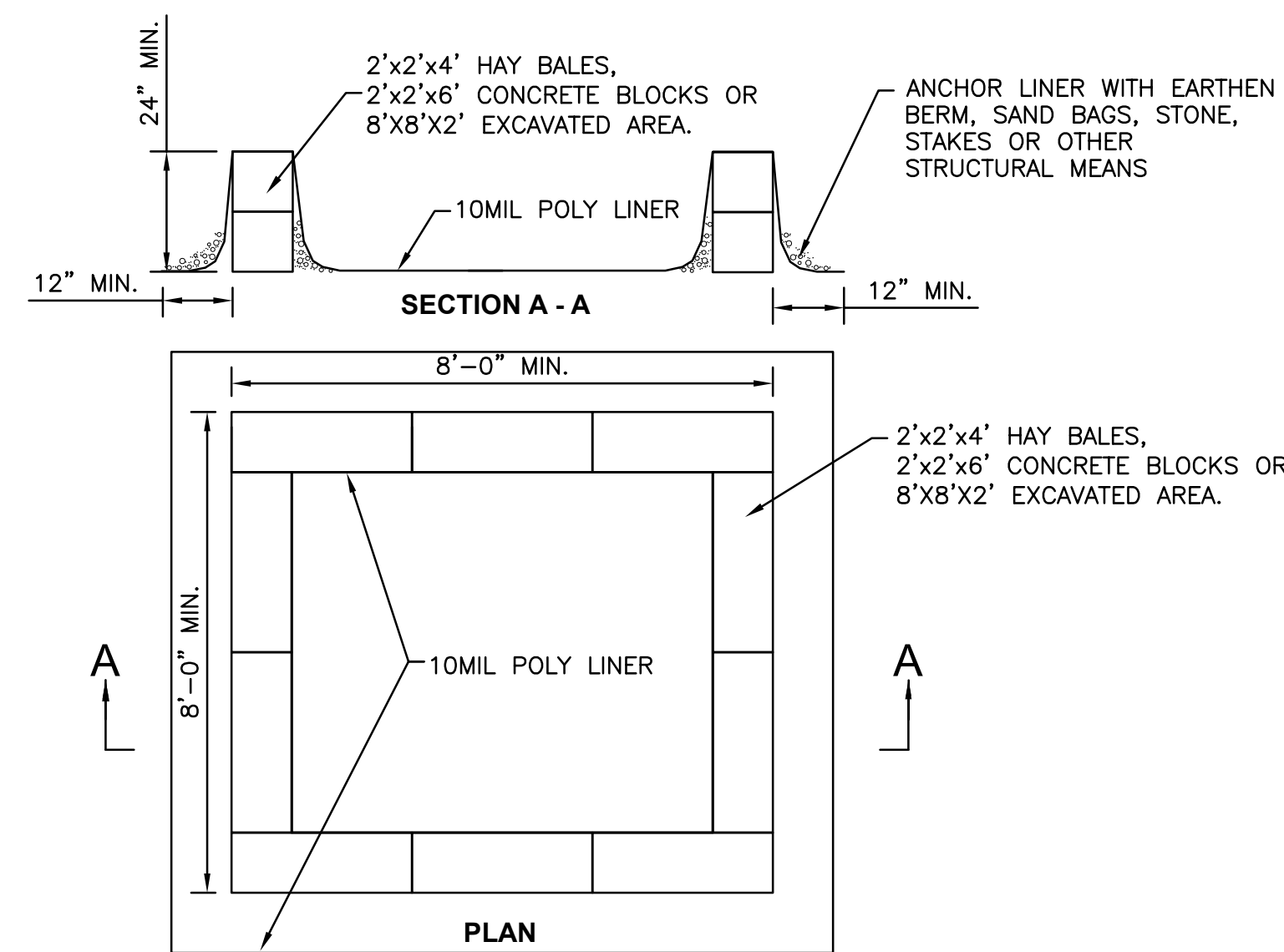
CONSTRUCTION SPECIFICATIONS

- 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 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,
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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.

3 CONCRETE WASHOUT STRUCTURE
C210 N.T.S.

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NO.	REVISIONS AND DESCRIPTIONS	DATE
2	FINISHED PANEL LAYOUT, CHANGED DRAWING LAYOUT, PRINTED EASE PLAN	3/15/19
1	ISSUED PANEL LAYOUT, CHANGED DRAWING LAYOUT, ADVANCED DESIGN, NUMBERED	2/12/19

SOLAR ARRAY PLAN
MCLEAN SOLAR 1
415 MCLEAN ROAD
CORTLAND COUNTY, NY
TOWN OF CORTLANDVILLE
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