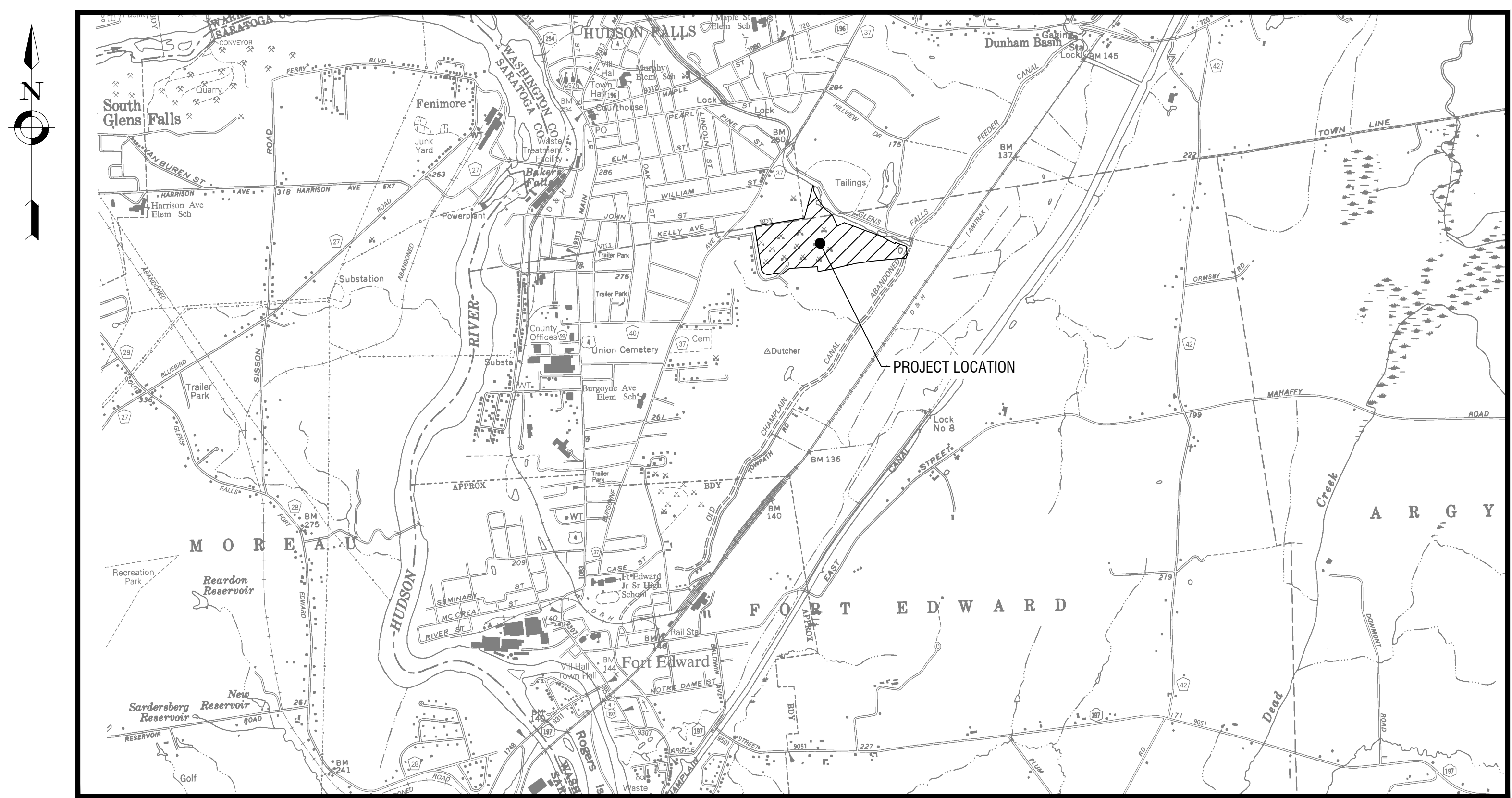


FORT EDWARD LANDFILL SOLAR ARRAY

45 LEAVY HOLLOW LANE
FORT EDWARD, NY



LOCATION MAP
SCALE: 1"=600'

GREEN SPARK SOLAR

318 TIMOTHY LANE
ONTARIO, NY 14519

PROJECT NO: 2223097
AUGUST, 2022



LaBella
Powered by partnership.
300 State Street, Suite 201
Rochester, NY 14614
585-454-6110
labellapc.com

GENERAL NOTES

1. THE CONTRACTOR ALONE SHALL BE RESPONSIBLE TO LOCATE UTILITIES OUTSIDE THE RIGHT-OF-WAY INCLUDING PRIVATE ROADS.
2. SITE DRAINAGE, INCLUDING THE PROJECT SITE AND ADJACENT PRIVATE AND PUBLIC ROADWAYS, DRIVES, PARKING AREAS OR PROPERTIES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING ALL MATERIALS, TOOLS AND EQUIPMENT, INCLUDING SPECIAL CUTTING DEVICES, NECESSARY TO PERFORM THE WORK CONTAINED IN THIS CONTRACT.
4. THE SIZES AND MATERIAL OF CONSTRUCTION OF WATER MAINS, SANITARY SEWERS AND STORM SEWERS TO REMAIN ARE REPUTED. THE CONTRACTOR SHALL VERIFY SIZES OF ALL UTILITIES WHERE CONNECTIONS TO SAID EXISTING UTILITIES ARE REQUIRED. EXCAVATION TO VERIFY THESE UTILITIES SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR SHALL PROTECT ALL EXISTING SITE AMENITIES NOT DESIGNATED FOR REMOVAL.
6. UNLESS OTHERWISE INDICATED ON THE PLANS OR DIRECTED BY THE ARCHITECT/ENGINEER, THE CONTRACTOR IS RESPONSIBLE FOR PRESERVING AND PROTECTING FROM DAMAGE ALL TREES, SHRUBS AND PLANTS IN THE VICINITY OF THE PROPOSED WORK.
7. THE CONTRACTOR SHALL PROTECT AND SUPPORT ALL EXISTING UTILITIES DESIGNATED TO REMAIN FOR THE DURATION OF THE CONTRACT.
8. ANY SITE AMENITY, UTILITY, STREET APPURTENANCE, OR OTHER ITEM WHICH BECOMES DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED IN-KIND BY THE CONTRACTOR AS DETERMINED BY THE PROJECT MANAGER OR ARCHITECT/ENGINEER AND AT NO ADDITIONAL COST TO THE OWNER.

SURVEY NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BID. NO ALLOWANCE WILL BE MADE FOR ADDITIONAL COSTS DUE TO CONTRACTOR'S FAILURE TO VERIFY EXISTING CONDITIONS.
2. THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD AND PRESERVE ALL SURVEY MARKERS AND RIGHT-OF-WAY MARKERS IN THE AREA OF CONSTRUCTION.
3. ANY IRON PINS, MONUMENTS OR OTHER ITEMS DEFINING PROPERTY LINES WHICH ARE DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE PROPERLY TIED AND ACCURATELY RESET BY A NYS LICENSED SURVEYOR UPON COMPLETION OF THE WORK.
4. HORIZONTAL DATUM BASED OFF NAD83-NYE.
5. VERTICAL BASED OFF OF NAVD88.

DEMOLITION NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BID. NO ALLOWANCE WILL BE MADE FOR ADDITIONAL COSTS DUE TO CONTRACTOR'S FAILURE TO VERIFY EXISTING CONDITIONS AND DIMENSIONS.
2. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY DIG SAFE NEW YORK AT 811 TO REQUEST UTILITY STAKEOUT OF ALL PUBLIC UTILITIES.
3. WORK ASSOCIATED WITH THIS CONTRACT WILL OCCUR AT AN ACTIVE AND FUNCTIONAL FACILITY. CONTRACTOR SHALL COORDINATE WITH THE OWNER TO MINIMIZE DISRUPTION TO THE OPERATIONS OF THE FACILITY. CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO PROVIDE A SAFE WORK SITE AND TO PROTECT THE PUBLIC, VISITORS AND EMPLOYEES FROM HARM AS A RESULT OF HIS CONSTRUCTION ACTIVITIES.
4. THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING ABOVE GROUND AND BELOW GROUND UTILITIES, STRUCTURES, AND APPURTENANCES SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES, STRUCTURES, AND APPURTENANCES IN THE PATH OF AND ADJACENT TO THE PROPOSED WORK.
5. SITE DRAINAGE, INCLUDING THE PROJECT SITE AND ADJACENT PRIVATE AND PUBLIC ROADWAYS, DRIVES, PARKING AREAS OR PROPERTIES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
6. CONTRACTOR SHALL PROTECT AND SUPPORT ALL EXISTING UTILITIES DESIGNATED TO REMAIN FOR THE DURATION OF THE CONTRACT.
7. THE CONTRACTOR SHALL NOTIFY THE LOCAL GOVERNMENT, LOCAL FIRE DEPARTMENT AND THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) AS NECESSARY AND SHALL OBTAIN ANY REQUIRED PERMITS PRIOR TO BEGINNING WORK. COPIES OF ANY REQUIRED PERMITS SHALL BE PROVIDED TO THE OWNER PRIOR TO BEGINNING THE WORK.
8. CONTRACTOR SHALL REMOVE FROM SITE, MATERIALS NOT INDICATED TO BE SALVAGED INCLUDING ALL DEBRIS. ALL REMOVED MATERIALS SHALL BECOME THE PROPERTY OF CONTRACTOR WHO SHALL LEGALLY DISPOSE OF SAME.
9. ALL TREES, SHRUBS AND PLANTS DESIGNATED TO REMAIN AND DISTURBED BY CONSTRUCTION OPERATIONS, SHALL BE REPLACED IN-KIND AS DIRECTED BY THE ARCHITECT/ENGINEER AND/OR OWNER'S DESIGNATED REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER.
10. THE CONTRACTOR SHALL MAINTAIN SAFE VEHICULAR AND PEDESTRIAN ACCESS TO THE EXISTING BUILDINGS FOR THE DURATION OF THE CONTRACT.
11. WHEN EXISTING CONSTRUCTION WHICH IS TO REMAIN IS DAMAGED DURING THE COURSE OF CONSTRUCTION AS A RESULT OF CONTRACTORS WORK, IT SHALL BE REPAIRED AND/OR REPLACED WITH SIMILAR OR LIKE MATERIALS AS MUCH AS POSSIBLE, AT NO COST TO THE OWNER. ALL REPAIRS AND/OR REPLACEMENTS WILL BE SUBJECT TO OWNERS APPROVAL.
12. COORDINATE LOCATION OF TEMPORARY CONSTRUCTION FENCE AND TEMPORARY STONE STAGING AREA WITH OWNER

SITE NOTES

1. WELL COMPACTED SUBGRADE SHALL BE UTILIZED UNDERNEATH CONSTRUCTION OF PAVEMENT AND CONCRETE BASES.
2. ALL STAKEOUT FOR THE PROPOSED SITE IMPROVEMENTS SHALL BE COMPLETED BY A NEW YORK STATE LICENSED LAND SURVEYOR.
3. IF ANY DISCREPANCIES ARE NOTED BETWEEN THESE CONSTRUCTION DOCUMENTS AND INFORMATION PROVIDED OR AN ERROR IS SUSPECT, IT SHALL BE IMMEDIATELY REPORTED TO THE CONSTRUCTION MANAGER AND LABELLA ASSOCIATES PROJECT MANAGER IN WRITING.
4. ANY PROOF-ROLLING OF EXPOSED SUBBASE BY A MINIMUM 10 TON SMOOTH DRUM ROLLER SHALL BE DONE UNDER THE GUIDANCE OF, AND OBSERVED BY, QUALIFIED ENGINEERING PERSONNEL PRIOR TO PLACEMENT OF SUBBASE MATERIAL. THE ROLLER SHOULD BE OPERATED IN THE STATIC MODE AND COMPLETE AT LEAST TWO (2) PASSES OVER THE EXPOSED SUBGRADES.
5. EXISTING WETLANDS DELINEATED BY LABELLA ASSOCIATES ON 11/17/2020.
6. PARCEL LINES AS SHOWN BY BOUNDARY SURVEY PERFORMED BY CHAZEN ON 1/28/2021.
7. MONITORING WELLS AND GAS VENTS SHALL BE MAINTAINED AND PROTECTED.
8. THE LANDFILL CAP SHALL BE REGULARLY SURVEYED, AND FIELD ADJUSTMENTS MADE AS NECESSARY TO THE SOLAR ARRAYS TO MAINTAIN CAP CONDITION AND SOLAR ARRAY STABILITY.

GRADING NOTES

1. THE CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF OSHA, AND ANY OTHER AGENCY HAVING JURISDICTION WITH REGARD TO SAFETY PRECAUTIONS WITH TRENCHING OPERATIONS. THE REQUIREMENTS SET FORTH HEREIN ARE INTENDED TO SUPPLEMENT REQUIREMENTS ESTABLISHED BY THESE AGENCIES. IN THE CASE OF A CONFLICT BETWEEN REQUIREMENTS OF OTHER JURISDICTIONAL AGENCIES AND THESE DOCUMENTS, THE MORE STRINGENT REQUIREMENT ON THE CONTRACTOR SHALL APPLY.
2. SHEETING, IF REQUIRED DURING CONSTRUCTION, IS CONSIDERED TO BE PART OF THIS CONTRACT AND SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
3. ALL TRENCHES THROUGH PAVEMENT SHALL BE SAW CUT PRIOR TO EXCAVATION AND AGAIN PRIOR TO PAVEMENT RESTORATION.
4. CONTRACTOR SHALL ADJUST THE RIMS OF ALL MANHOLES, CATCH BASINS, VALVE BOXES AND OTHER UTILITY SITE STRUCTURES TO MEET FINISHED GRADE IN AREAS REQUIRING REPAVING OR REGRADE AS PART OF THE WORK, INCLUDING THOSE THAT MAY NOT BE SHOWN ON THE PLANS.
5. VOIDS LEFT BY UTILITY OR STRUCTURE REMOVAL OR GRUBBING OPERATIONS SHALL BE BACKFILLED AND PROPERLY COMPACTED WITH STRUCTURAL FILL (NYSDOT ITEM 304.12) IN AREAS UNDER AND WITHIN 5 FEET HORIZONTALLY OF ALL STRUCTURES, BUILDINGS AND PAVEMENTS. IN GRASSED AREAS, VOIDS LEFT SHALL BE FILLED AND PROPERLY COMPACTED WITH SUITABLE ON-SITE OR IMPORTED EARTHEN BACKFILL. ALL DISTURBED AREAS SHALL BE RESTORED.
6. THE CONTRACTOR SHALL DEWATER ALL EXCAVATIONS TO PREVENT THE INTRODUCTION OF GROUNDWATER INTO THE TRENCHES/EXCAVATIONS. PROVIDE ALL EQUIPMENT NECESSARY TO MAINTAIN THE GROUNDWATER LEVEL AS NECESSARY.
7. THE CONTRACTOR SHALL PLACE AT MINIMUM 6 INCHES OF CLEANED SCREENED TOPSOIL IN ALL DISTURBED AREAS PRIOR TO SEEDING.

EROSION AND SEDIMENT CONTROL NOTES

1. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, AND LOCAL GOVERNING SOIL AND WATER CONSERVATION AGENCY RECOMMENDATIONS AND STANDARDS. CONTRACTOR SHALL SUBMIT PROPOSED EROSION CONTROL PLAN INCLUDING SEQUENCING OF WORK TO THE ENGINEER FOR REVIEW PRIOR TO START OF WORK.
2. UTILIZE CONSTRUCTION METHODS/TECHNIQUES, WHICH WILL LIMIT THE EXPOSED EARTHEN AREAS AND MINIMIZE THE EFFECT OF EARTH DISTURBANCE ACTIVITIES ON SOIL EROSION. THE AREA OF DISTURBANCE SHALL BE LIMITED TO A MAXIMUM OF 1 ACRE UNLESS OTHERWISE APPROVED BY THE ENGINEER.
3. ALL SEDIMENTATION BARRIERS AND OTHER TEMPORARY OR PERMANENT MEASURES SHALL BE IN PLACE PRIOR TO THE START OF CONSTRUCTION. PLANS SHOW THE SUGGESTED MINIMUM MEASURES REQUIRED.
4. REMOVAL OF ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE COMPLETED AT THE APPROVAL OF THE OWNER AND ENGINEER. THE COST OF REMOVING THESE MEASURES SHALL ALSO BE INCLUDED IN THE BID PRICE.
5. FOR THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL PROTECT ALL ON-SITE, ADJACENT AND/OR DOWNSTREAM STORM/SANITARY SEWERS, AND/OR OTHER WATER COURSES FROM CONTAMINATION BY WATER BORNE SILTS, SEDIMENTS, FUELS, SOLVENTS, LUBRICANTS OR OTHER POLLUTANTS ORIGINATING FROM ANY WORK DONE ON, OR IN SUPPORT OF THIS PROJECT.
6. DURING CONSTRUCTION NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE INTO STORM/SANITARY SEWERS, DITCHES OR OTHER WATERS OF NEW YORK STATE, NOR SHALL WASHINGS FROM CONCRETE TRUCKS, MIXERS OR OTHER DEVICES BE ALLOWED TO ENTER ANY STORM/SANITARY SEWERS, DITCHES, RIVERS, OR WATER COURSES.
7. ALL EXCAVATED OR IMPORTED EARTHEN STOCKPILES SHALL BE SUITABLY STABILIZED AND PROTECTED BY SILT FENCE SO THAT IT CANNOT REASONABLY ENTER ANY WATER BODY, OR STORM OR SANITARY SEWER.
8. ALL METHODS AND EQUIPMENT PROPOSED BY THE CONTRACTOR TO ACCOMPLISH THE WORK FOR EROSION AND POLLUTION CONTROL SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.
9. THE CONTRACTOR SHALL BE REQUIRED TO TREAT TRAVELED AREAS TO CONTROL DUST. WATER SHALL BE APPLIED TO SUCH TRAVELED AREAS AS THE ARCHITECT/ENGINEER OR OWNER'S DESIGNATED REPRESENTATIVE MAY DESIGNATE. THE NUMBER OF APPLICATIONS AND THE AMOUNT OF WATER SHALL BE BASED UPON FIELD AND WEATHER CONDITIONS.
10. ALL AREAS OF SOIL DISTURBANCE RESULTING FROM THIS PROJECT WHICH WILL NOT BE SUBJECT TO FURTHER EARTHWORK OR CONSTRUCTION ACTIVITIES SHALL BE PERMANENTLY SEEDED TO ESTABLISH GRASS, AND MULCHED WITH HAY OR STRAW WITHIN ONE WEEK OF FINAL DISTURBANCE. MULCH SHALL BE MAINTAINED UNTIL A SUITABLE VEGETATIVE COVER IS ESTABLISHED.
11. CONTRACTOR STAGING AREAS AND CONSTRUCTION ENTRANCE LOCATIONS SHALL BE COORDINATED WITH THE OWNER PRIOR TO START OF CONSTRUCTION. STABILIZED CONSTRUCTION ENTRANCE(S), AS SHOWN ON THE PLANS SHALL BE PROVIDED. ALL DISTURBED AREAS SHALL BE RESTORED.
12. ALL CATCH BASINS/DRAINAGE INLETS SHALL HAVE STONED INLET PROTECTION AROUND THEM AND GEOTEXTILE FABRIC OVER THE GRATE TO PREVENT SEDIMENTATION FROM ENTERING THE STORM SYSTEM.
13. TILL ALL COMPACTED SOILS LOCATED IN LAWN AREAS TO RESTORE THE ORIGINAL PROPERTIES OF THE SOIL PRIOR TO SEEDING.

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		PROJECT BENCHMARK / CONTROL POINTS
		WETLAND
		WETLAND BUFFER
		WILD PARSNIP TREATMENT AREA
		BORING LOCATIONS
		FENCE, CHAIN LINK
		TREE/VEGETATION LIMIT
		BUILDING/STRUCTURE
		PROPERTY LINE
		SETBACK LINE
		SIGN
		DECIDUOUS TREE
		CONIFEROUS TREE
		UTILITY POLE
		HANDHOLE
		UNDERGROUND ELECTRIC
		OVERHEAD ELECTRIC
		ABOVE GRADE ELECTRIC
		STORM LINE
		MAJOR CONTOUR
		MINOR CONTOUR
		OF DRAINAGE SWALE
		EROSION FENCE
		FLOW/SLOPE DIRECTION
		SILT SOCK INLET PROTECTION
		SILT FENCE INLET PROTECTION
		CHECK DAM
		STABILIZED CONSTRUCTION ENTRANCE (TEMPORARY)

DRAWING INDEX

C001 GENERAL NOTES, LEGEND, AND DRAWING INDEX

C101 EXISTING CONDITIONS PLAN

C201 SITE AND UTILITY PLAN

C301 EROSION AND SEDIMENT CONTROL PLAN

C401 SLOPE STUDY PLAN

C501 CONSTRUCTION DETAILS

C502 CONSTRUCTION DETAILS

C503 CONSTRUCTION DETAILS

C504 CONSTRUCTION DETAILS



300 State Street, Suite 201
Rochester, NY 14614
585-454-6110

labellapc.com



It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

© 2020 LaBella Associates

GREEN SPARK SOLAR

318 TIMOTHY LANE
ONTARIO, NY 14519



FORT EDWARD LANDFILL
SOLAR ARRAY

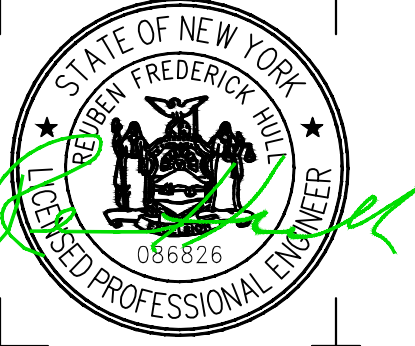
45 LEAVY HOLLOW LANE,
FORT EDWARD, NY 12839

NO.	DATE:	DESCRIPTION:
Revisions		
PROJECT NUMBER:		
2223097		
DRAWN BY:		
LN		
REVIEWED BY:		
JJP		
ISSUED FOR:		
60% DESIGN		
DATE:		
AUGUST 2022		
DRAWING NAME:		

GENERAL NOTES, LEGEND
AND DRAWING INDEX

DRAWING NUMBER:

C001



It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

© 2020 LaBella Associates

GREEN SPARK SOLAR
318 TIMOTHY LANE
ONTARIO, NY 14519



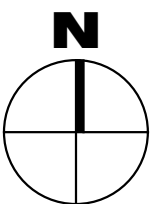
**FORT EDWARD LANDFILL
SOLAR ARRAY**
45 LEAVY HOLLOW LANE,
FORT EDWARD, NY 12839

NO.	DATE:	DESCRIPTION:
Revisions		
PROJECT NUMBER: 2223097		
DRAWN BY: LN		
REVIEWED BY: JJP		
ISSUED FOR: 60% DESIGN		
DATE: AUGUST 2022		
DRAWING NAME:		

EXISTING CONDITIONS PLAN

DRAWING NUMBER:

C101





It is a violation of New York Education Law Article 145 Sec. 7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

© 2020 LaBella Associates

GREEN SPARK SOLAR

318 TIMOTHY LANE
ONTARIO, NY 14519



FORT EDWARD LANDFILL SOLAR ARRAY

45 LEAVY HOLLOW LANE,
FORT EDWARD, NY 12839

NO.	DATE	DESCRIPTION
Revisions		

PROJECT NUMBER: 2223097

DRAWN BY: LN

REVIEWED BY: JJP

ISSUED FOR: 60% DESIGN

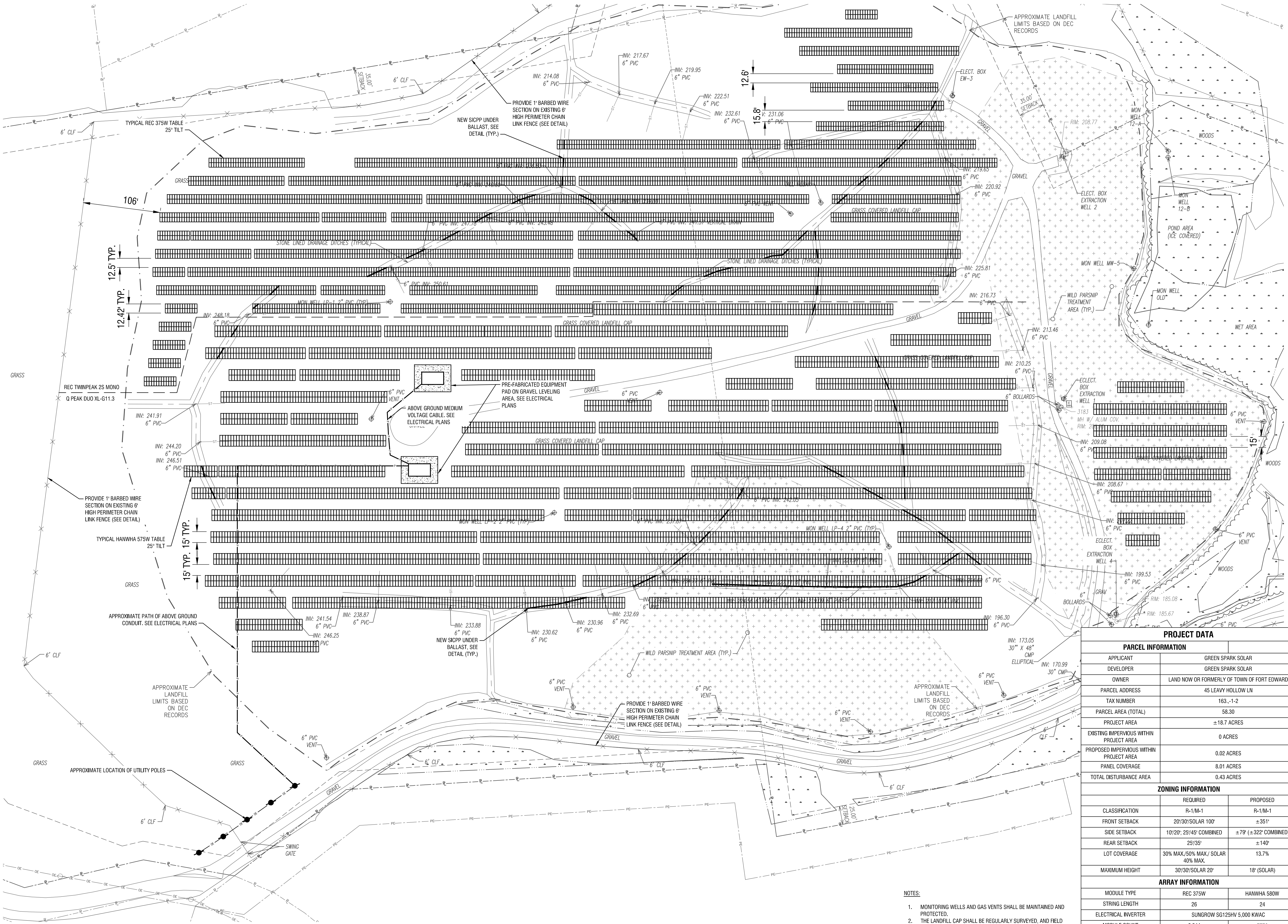
DATE: AUGUST 2022

DRAWING NAME:

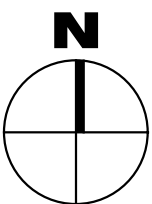
SITE AND UTILITY PLAN

DRAWING NUMBER:

C201



1 SITE AND UTILITY PLAN
SCALE: 1"=60'





It is a violation of New York Education Law Article 145 Sec. 7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

© 2020 LaBella Associates

GREEN SPARK SOLAR
318 TIMOTHY LANE
ONTARIO, NY 14519



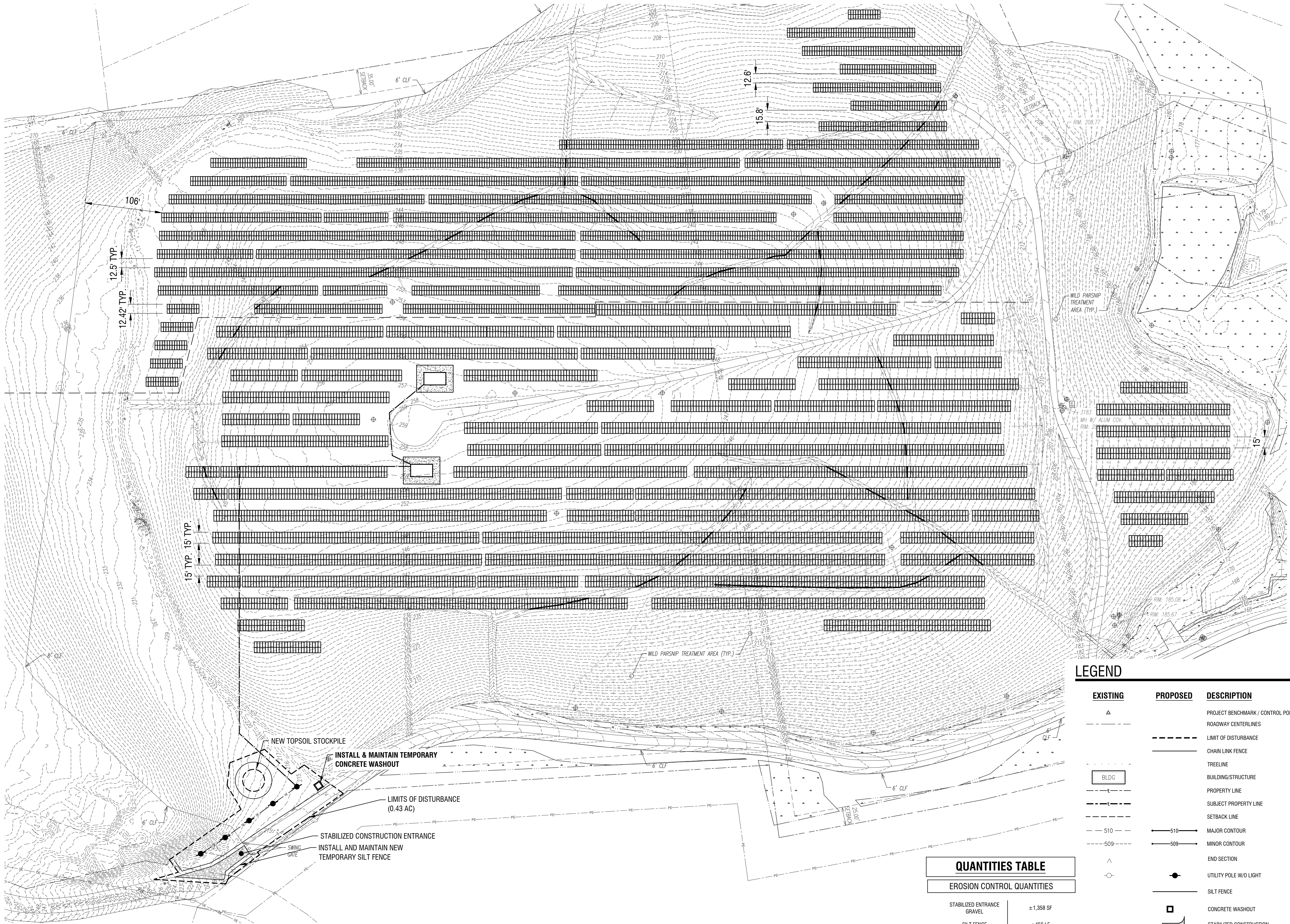
FORT EDWARD LANDFILL
SOLAR ARRAY
45 LEAVY HOLLOW LANE,
FORT EDWARD, NY 12839

NO.	DATE:	DESCRIPTION:
Revisions		
PROJECT NUMBER: 2223097		
DRAWN BY: LN		
REVIEWED BY: JJP		
ISSUED FOR: 60% DESIGN		
DATE: AUGUST 2022		
DRAWING NAME:		

EROSION AND SEDIMENT
CONTROL PLAN

DRAWING NUMBER:

C301



LEGEND

EXISTING	PROPOSED	DESCRIPTION
▲		PROJECT BENCHMARK / CONTROL POINTS
---	---	ROADWAY CENTERLINES
	---	LIMIT OF DISTURBANCE
	---	CHAIN LINK FENCE
	---	TREELINE
BLDG		BUILDING/STRUCTURE
---	---	PROPERTY LINE
---	---	SUBJECT PROPERTY LINE
---	---	SETBACK LINE
510	510	MAJOR CONTOUR
509	509	MINOR CONTOUR
^		END SECTION
○	●	UTILITY POLE W/O LIGHT
	---	SILT FENCE
	□	CONCRETE WASHOUT
	---	STABILIZED CONSTRUCTION ENTRANCE (TEMPORARY)

QUANTITIES TABLE

EROSION CONTROL QUANTITIES

STABILIZED ENTRANCE GRAVEL	±1,358 SF
SILT FENCE	±456 LF
TOTAL DISTURBANCE AREA (AREA TO RECEIVE STRAW)	±0.41 AC



It is a violation of New York Education Law Article 145 Sec. 7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

© 2020 LaBella Associates

GREEN SPARK SOLAR
318 TIMOTHY LANE
ONTARIO, NY 14519



**FORT EDWARD LANDFILL
SOLAR ARRAY**
45 LEAVY HOLLOW LANE,
FORT EDWARD, NY 12839

NO.	DATE	DESCRIPTION
Revisions		

PROJECT NUMBER: 2223097

DRAWN BY: LN

REVIEWED BY: JJP

ISSUED FOR: 60% DESIGN

DATE: AUGUST 2022

DRAWING NAME:

SLOPE STUDY PLAN

DRAWING NUMBER:

C401

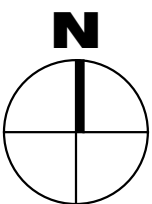


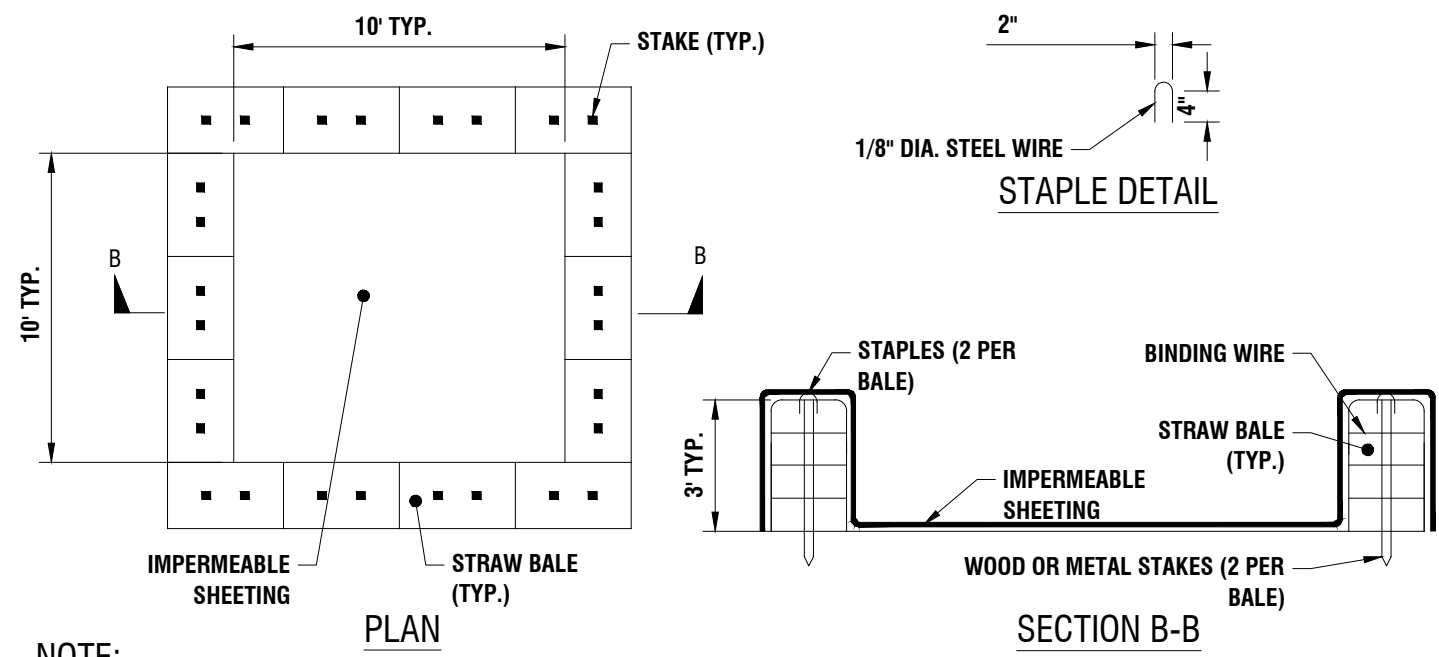
Slopes Table			
Number	Minimum Slope	Maximum Slope	Color
1	0.00%	8.00%	Yellow
2	8.00%	13.00%	Green
3	13.00%	20.00%	Blue
4	20.00%	99.00%	Red

- NOTES:**
- MONITORING WELLS AND GAS VENTS SHALL BE MAINTAINED AND PROTECTED.
 - THE LANDFILL CAP SHALL BE REGULARLY SURVEYED, AND FIELD ADJUSTMENTS MADE AS NECESSARY TO THE SOLAR ARRAYS TO MAINTAIN CAP CONDITION AND SOLAR ARRAY STABILITY.

WETLAND IMPACT STATEMENT:
AS PER THESE PLANS, NO GRADING, DREDGING, OR PLACEMENT OF FILL SHALL OCCUR WITHIN THE LIMITS OF WETLANDS.

1
C401
SLOPE STUDY PLAN
SCALE: 1"=60'





NOTE:

1. CAN BE TWO STACKED BALES OR PARTIALLY EXCAVATED TO REACH 3 FT DEPTH

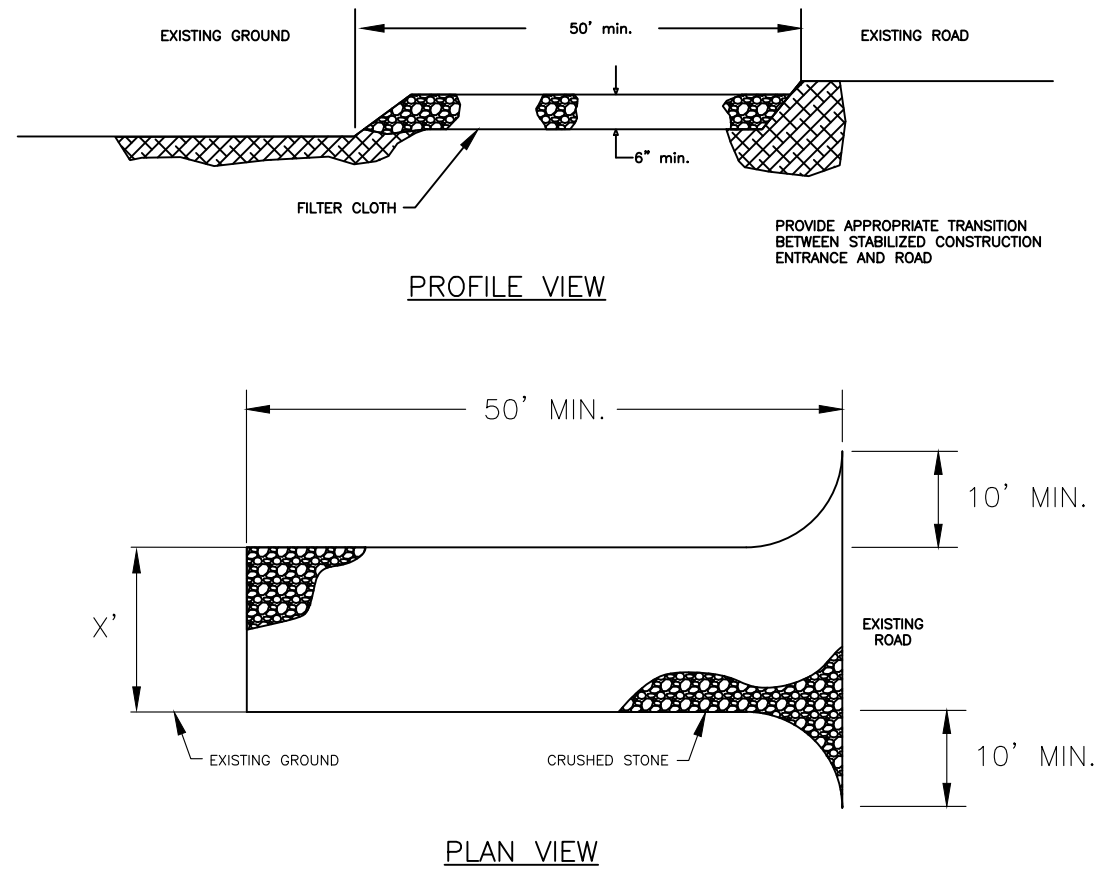
CONSTRUCTION SPECIFICATIONS

1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 100 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
2. SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP.
3. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.
4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.
5. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.

CONCRETE WASHOUT AREA WITH STRAW BALES

N.T.S.

5
C501

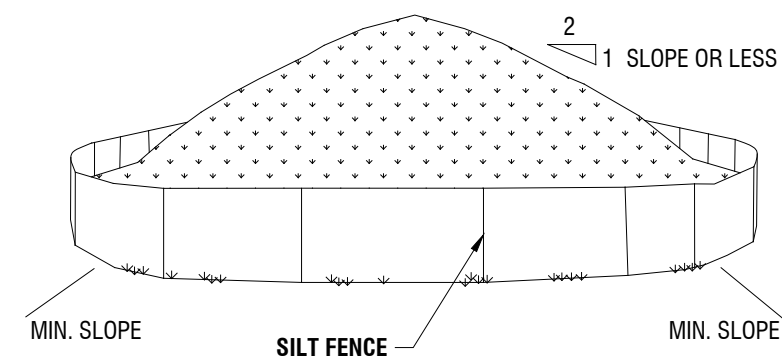


1. STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE 1 TO 2 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 50 FEET.
3. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES.
4. THE WIDTH OF THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE PROPOSED ENTRANCE.
5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARDS THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE SURFACE.
7. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO EXISTING ROAD. THIS MANY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO EXISTING ROAD SHALL BE REMOVED IMMEDIATELY.

STABILIZED CONSTRUCTION ACCESS

N.T.S.

2
C501



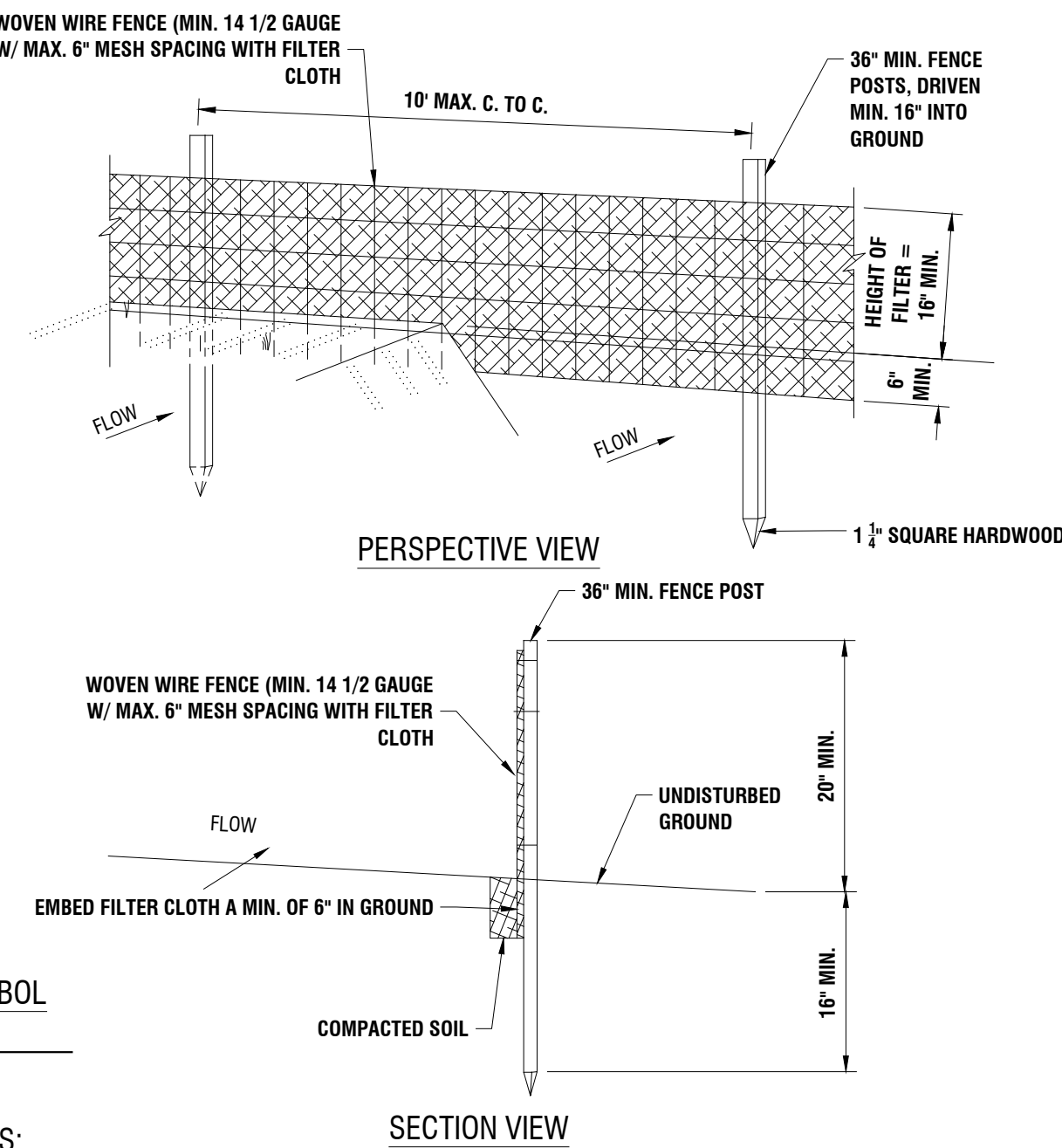
NOTES:

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V:2H.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SPECIFICATIONS AND DETAIL FOR INSTALLATION OF SILT FENCE.

TEMPORARY SOIL STOCKPILE

N.T.S.

4
C501



SYMBOL

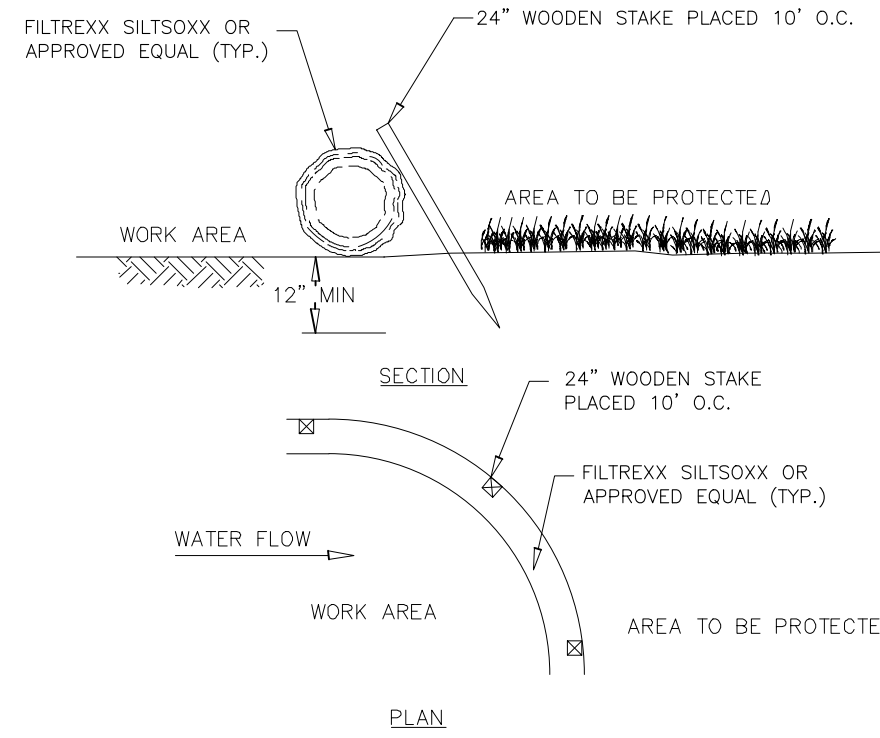
NOTES:

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER 1\"/>

SILT FENCE

NYS DEC DETAIL: SILT FENCE

1
C501



1. FILTER SOCK SHALL BE 12\"/>

COMPOST FILTER SOCK

N.T.S.

3
C501

EROSION & SEDIMENT CONTROL NOTES

1. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, AND LOCAL GOVERNING SOIL AND WATER CONSERVATION AGENCY RECOMMENDATIONS AND STANDARDS. CONTRACTOR SHALL SUBMIT PROPOSED EROSION CONTROL PLAN INCLUDING SEQUENCING OF WORK TO THE ENGINEER FOR REVIEW PRIOR TO START OF WORK.
2. UTILIZE CONSTRUCTION METHODS/TECHNIQUES, WHICH WILL LIMIT THE EXPOSED EARTHEN AREAS AND MINIMIZE THE EFFECT OF EARTH DISTURBANCE ACTIVITIES ON SOIL EROSION.
3. RESTRICT DISTURBANCE TO UNDER 5 AC WITHOUT PRIOR WRITTEN APPROVAL FROM THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION.
4. ALL SEDIMENTATION BARRIERS AND OTHER TEMPORARY OR PERMANENT MEASURES SHALL BE IN PLACE PRIOR TO THE START OF CONSTRUCTION. PLANS SHOW THE SUGGESTED MINIMUM MEASURES REQUIRED. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE ADJUSTED IN THE FIELD AS NEEDED DEPENDING ON CONSTRUCTION SEQUENCE. LOCATIONS TO BE VERIFIED BY STORMWATER INSPECTOR.
5. REMOVAL OF ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE COMPLETED AT THE APPROVAL OF THE OWNER AND ENGINEER. THE COST OF REMOVING THESE MEASURES SHALL ALSO BE INCLUDED IN THE BID PRICE.
6. FOR THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL PROTECT ALL ON-SITE, ADJACENT AND/OR DOWNSTREAM STORM/SANITARY SEWERS, AND/OR OTHER WATER COURSES FROM CONTAMINATION BY WATER BORNE SILTS, SEDIMENTS, FUELS, SOLVENTS, LUBRICANTS OR OTHER POLLUTANTS ORIGINATING FROM ANY WORK DONE ON, OR IN SUPPORT OF THIS PROJECT.
7. DURING CONSTRUCTION NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE INTO STORM/SANITARY SEWERS, DITCHES OR OTHER WATERS OF NEW YORK STATE, NOR SHALL WASHINGS FROM CONCRETE TRUCKS, MIXERS OR OTHER DEVICES BE ALLOWED TO ENTER ANY STORM/SANITARY SEWERS, DITCHES, RIVERS, OR WATER COURSES.
8. ALL EXCAVATED OR IMPORTED EARTHEN STOCKPILES SHALL BE SUITABLY STABILIZED AND PROTECTED BY SILT FENCE SO THAT IT CANNOT REASONABLY ENTER ANY WATER BODY, OR STORM OR SANITARY SEWER.
9. ALL METHODS AND EQUIPMENT PROPOSED BY THE CONTRACTOR TO ACCOMPLISH THE WORK FOR EROSION AND POLLUTION CONTROL SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER OR STORMWATER INSPECTOR.
10. THE CONTRACTOR SHALL BE REQUIRED TO TREAT TRAVELED AREAS TO CONTROL DUST. WATER SHALL BE APPLIED TO SUCH TRAVELED AREAS AS THE ARCHITECT/ENGINEER OR OWNER'S DESIGNATED REPRESENTATIVE MAY DESIGNATE. THE NUMBER OF APPLICATIONS AND THE AMOUNT OF WATER SHALL BE BASED UPON FIELD AND WEATHER CONDITIONS.
11. THE CONTRACTOR SHALL BE REQUIRED TO TREAT THE VEHICLE RAILROAD CROSSING TO CONTROL DUST AND ANY OTHER DEBRIS. MONITOR AND SWEEP AS NECESSARY.
12. ALL AREAS OF SOIL DISTURBANCE RESULTING FROM THIS PROJECT WHICH WILL NOT BE SUBJECT TO FURTHER EARTHWORK OR CONSTRUCTION ACTIVITIES SHALL BE PERMANENTLY SEEDED TO ESTABLISH GRASS, AND MULCHED WITH HAY OR STRAW WITHIN ONE WEEK OF FINAL DISTURBANCE. MULCH SHALL BE MAINTAINED UNTIL A SUITABLE VEGETATIVE COVER IS ESTABLISHED.
13. CONTRACTOR STAGING AREAS AND CONSTRUCTION ENTRANCE LOCATIONS SHALL BE COORDINATED WITH THE OWNER PRIOR TO START OF CONSTRUCTION. STABILIZED CONSTRUCTION ENTRANCE(S), AS SHOWN ON THE PLANS SHALL BE PROVIDED. ALL DISTURBED AREAS SHALL BE RESTORED.
14. ALL CATCH BASINS/DRAINAGE INLETS SHALL HAVE EITHER STONED INLET PROTECTION AROUND THEM AND GEOTEXTILE FABRIC OVER THE GRATE OR SEDIMENT SOCKS TO PREVENT SEDIMENTATION FROM ENTERING THE STORM SYSTEM.



It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

GREEN SPARK SOLAR

318 TIMOTHY LANE
ONTARIO, NY 14519



**FORT EDWARD LANDFILL
SOLAR ARRAY**

45 LEAVY HOLLOW LANE,
FORT EDWARD, NY 12839

NO.	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2223097

DRAWN BY: LN

REVIEWED BY: JJP

ISSUED FOR: 60% DESIGN

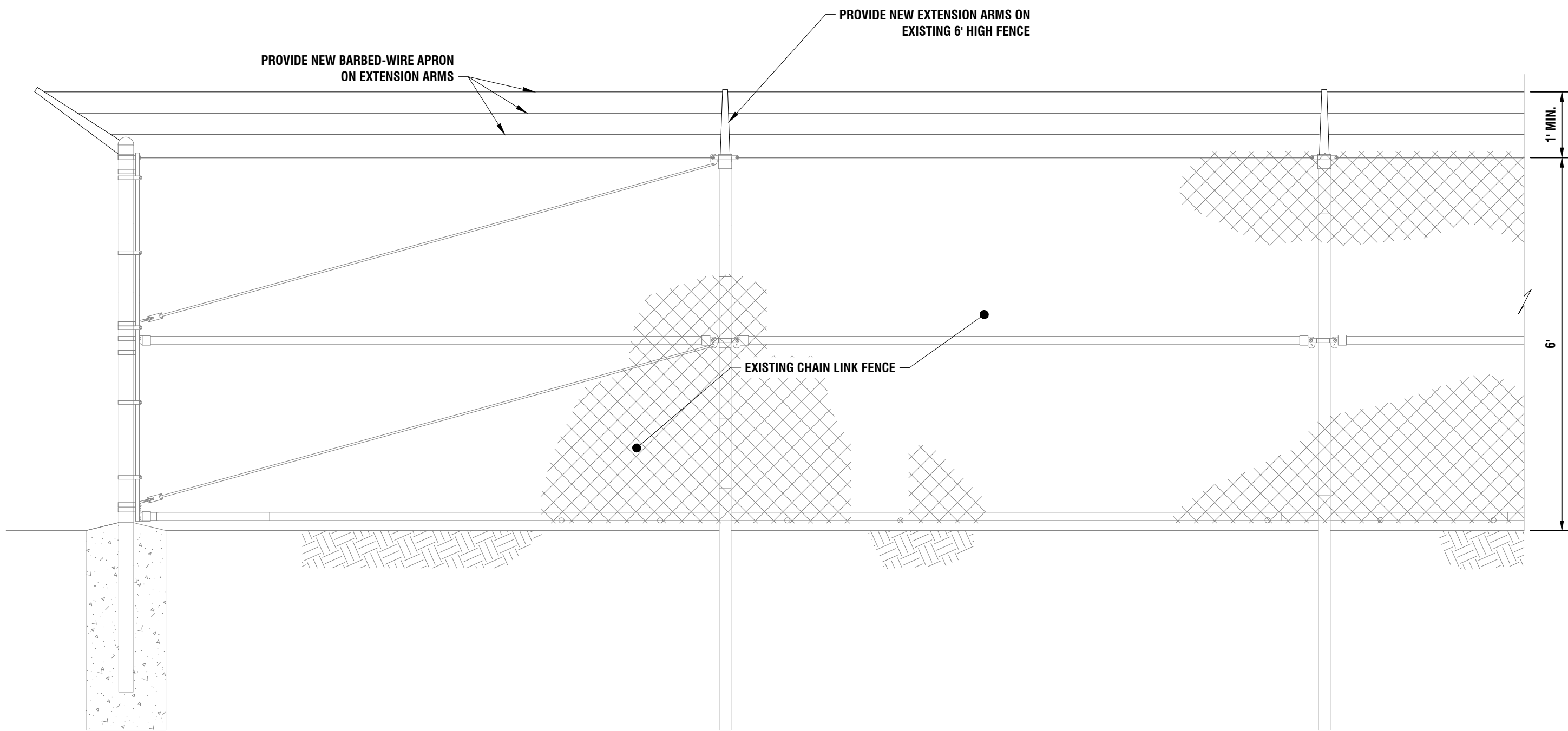
DATE: AUGUST 2022

DRAWING NAME:

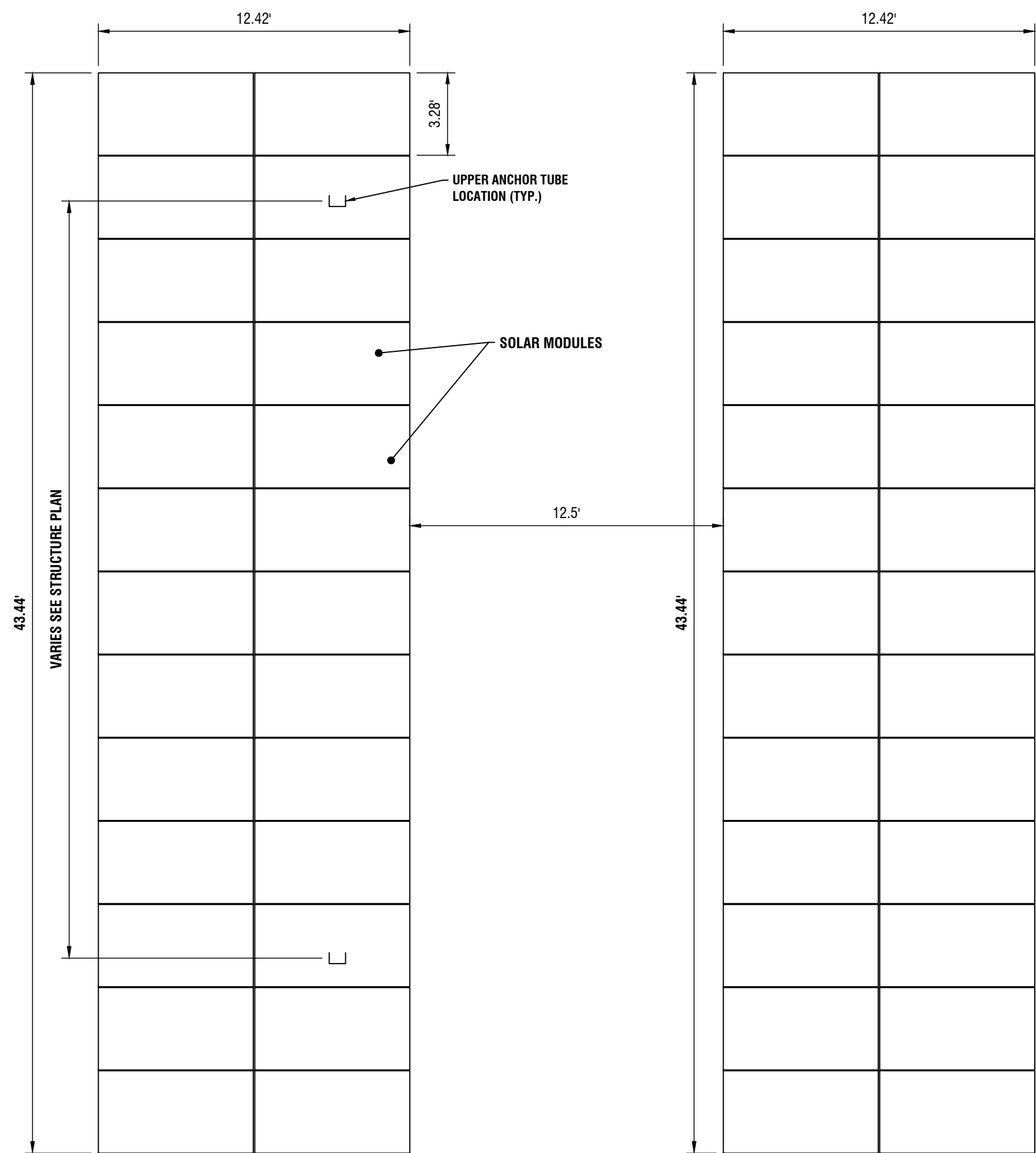
CONSTRUCTION DETAILS

DRAWING NUMBER:

C501

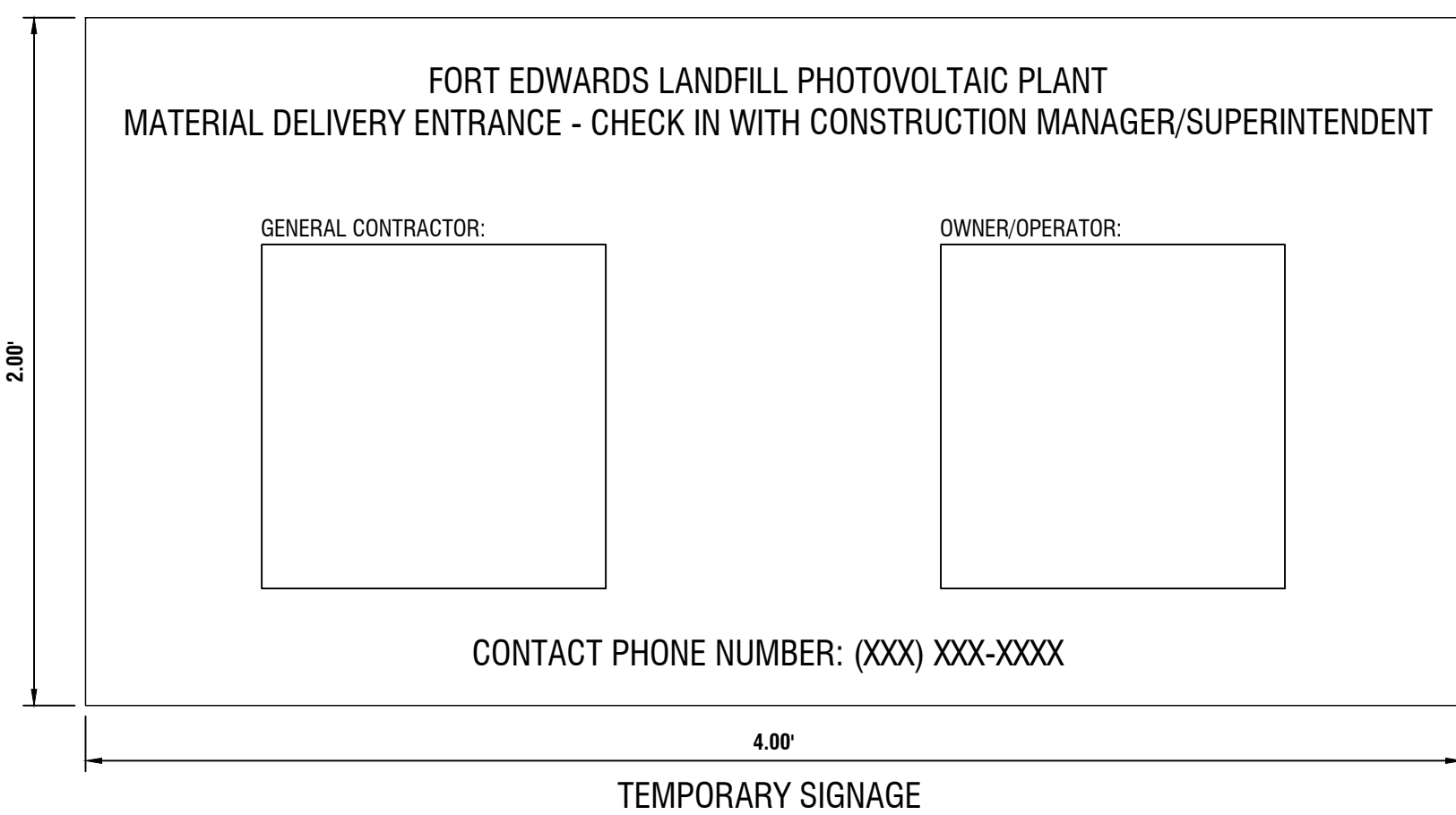
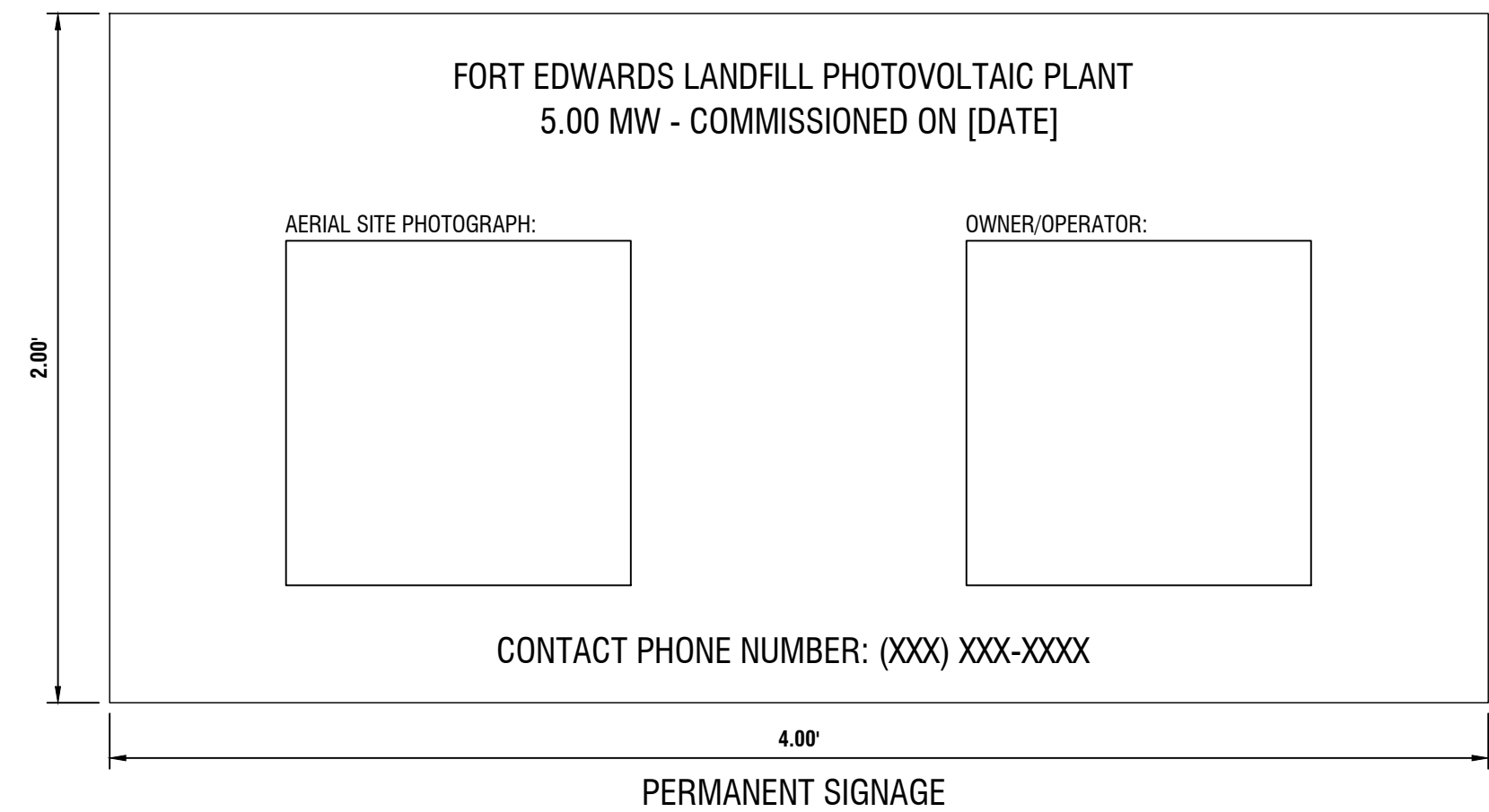


3
C502 6' HIGH BARBED WIRE HIGH SECURITY FENCE
N.T.S.



PLAN VIEW

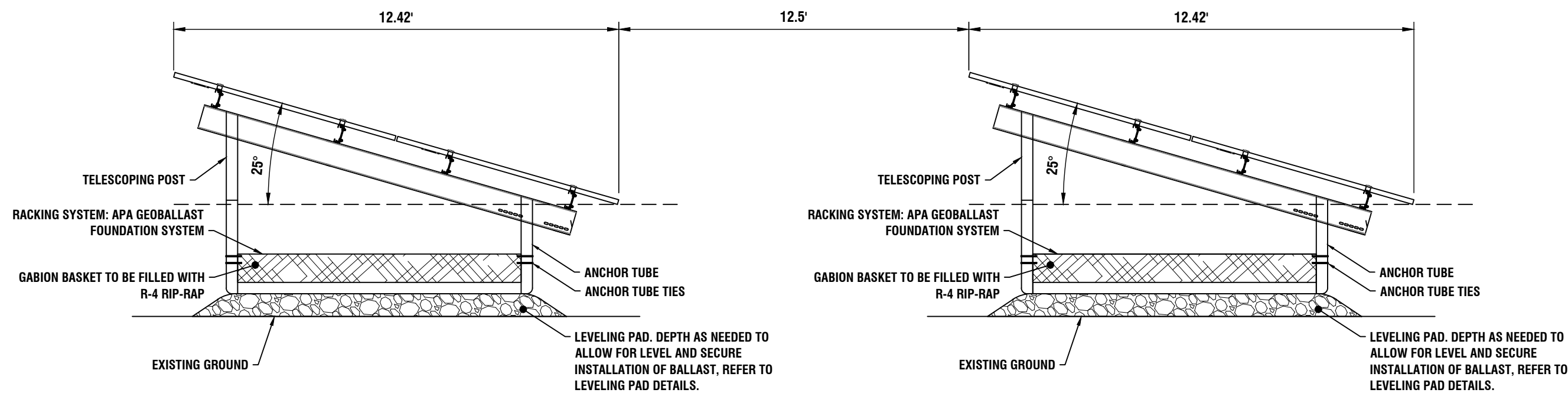
1
C502 TYPICAL REC 375W 25° TILT LAYOUT
N.T.S.



NOTES:

1. TEMPORARY SIGNAGE TO BE INSTALLED ALONG GRAVEL DRIVE PRIOR TO CONSTRUCTION.
2. TEMPORARY SIGNAGE TO BE REMOVED AFTER ARRAY HAS BEEN COMMISSIONED AND BEFORE PERMANENT SIGNAGE IS INSTALLED.
3. PERMANENT SIGNAGE TO BE INSTALLED ON GATE AFTER ARRAY HAS BEEN COMMISSIONED.

2
C502 TEMPORARY AND PERMANENT SIGNAGE
N.T.S.



SIDE VIEW - BALLAST SYSTEM



It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

© 2020 LaBella Associates

GREEN SPARK SOLAR
318 TIMOTHY LANE
ONTARIO, NY 14519



**FORT EDWARD LANDFILL
SOLAR ARRAY**
45 LEAVY HOLLOW LANE,
FORT EDWARD, NY 12839

NO.	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2223097

DRAWN BY: LN

REVIEWED BY: JJP

ISSUED FOR: 60% DESIGN

DATE: AUGUST 2022

DRAWING NAME:

CONSTRUCTION DETAILS

DRAWING NUMBER:

C502



It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

© 2020 LaBella Associates

GREEN SPARK SOLAR
318 TIMOTHY LANE
ONTARIO, NY 14519



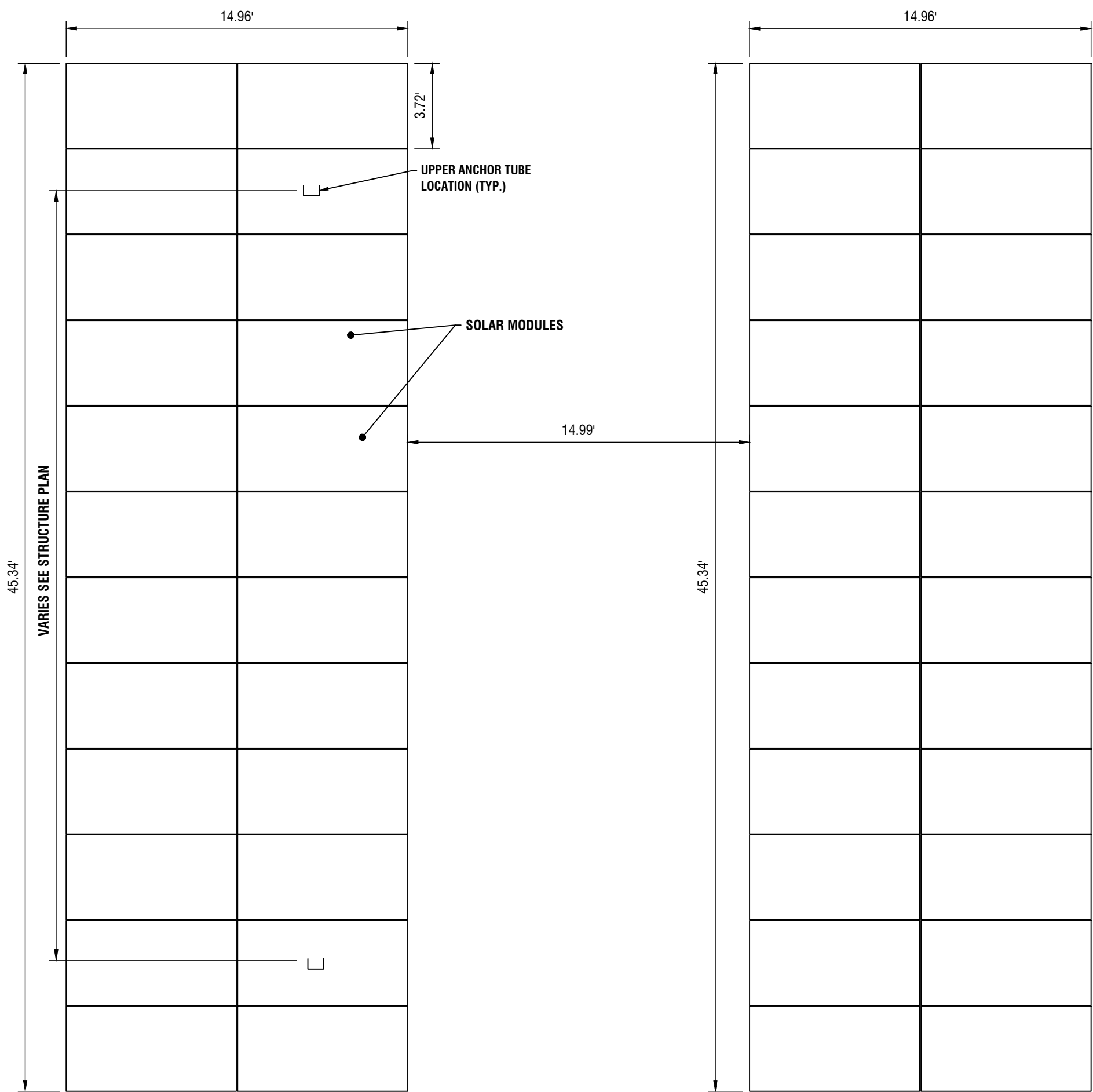
**FORT EDWARD LANDFILL
SOLAR ARRAY**
45 LEAVY HOLLOW LANE,
FORT EDWARD, NY 12839

NO.	DATE:	DESCRIPTION:
Revisions		
PROJECT NUMBER: 2223097		
DRAWN BY: LN		
REVIEWED BY: JJP		
ISSUED FOR: 60% DESIGN		
DATE: AUGUST 2022		
DRAWING NAME:		

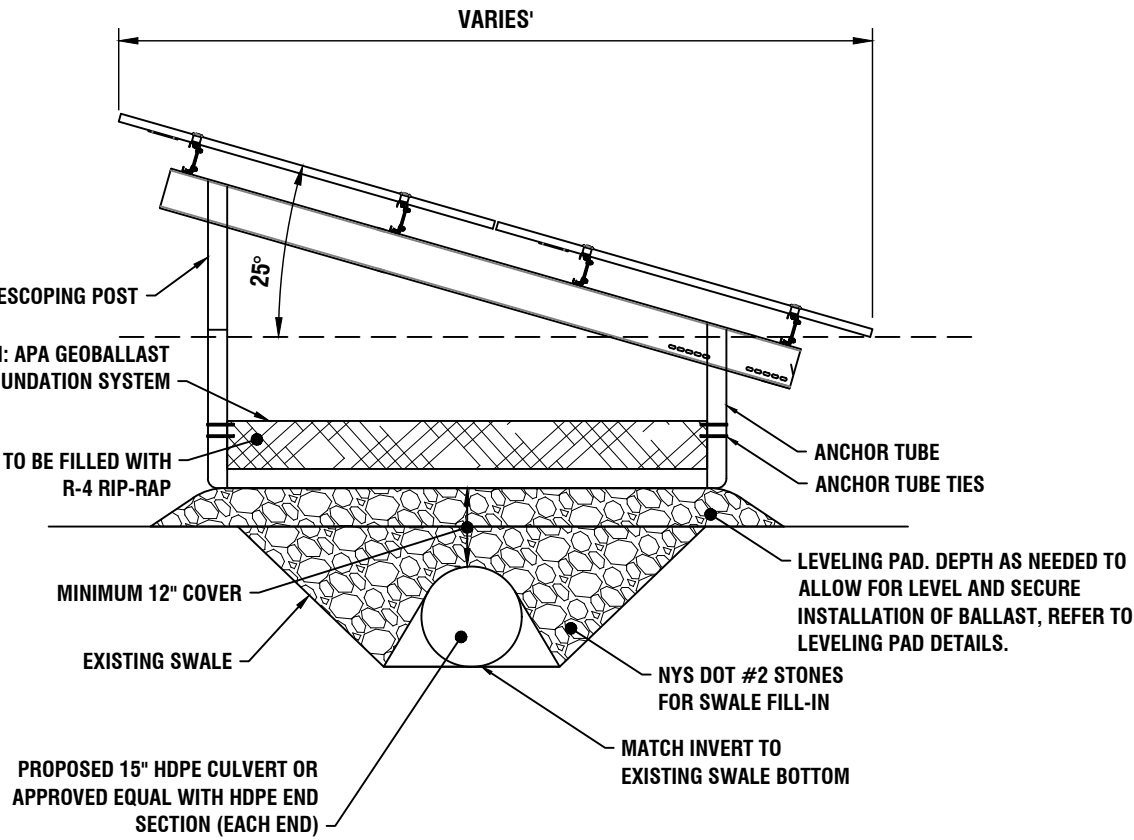
CONSTRUCTION DETAILS

DRAWING NUMBER:

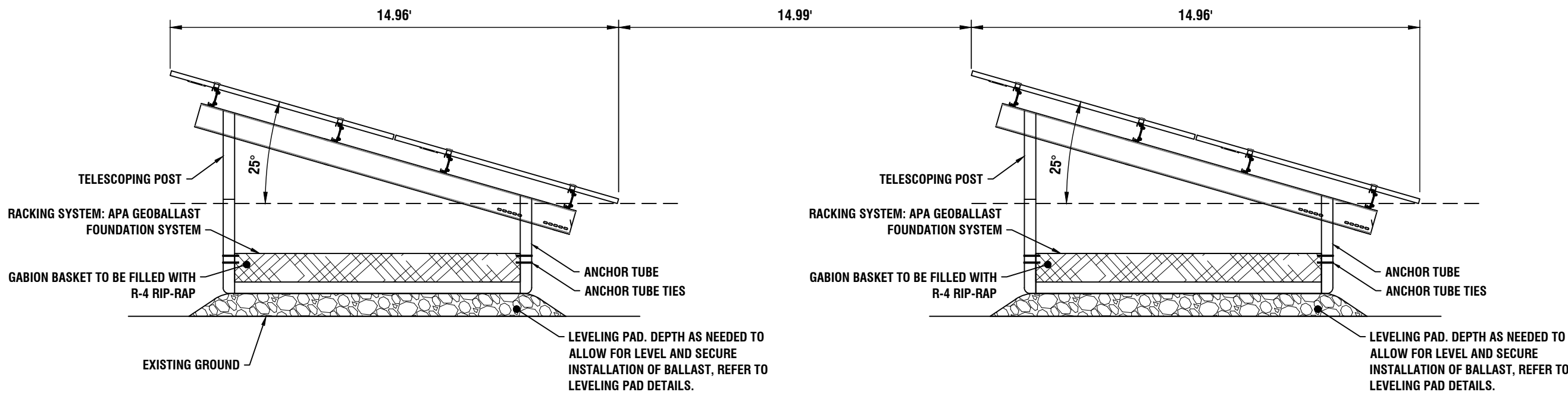
C503



PLAN VIEW



2 BALLAST SYSTEM OVER EXISTING SWALE
C503 N.T.S.



SIDE VIEW - BALLAST SYSTEM

1 TYPICAL HANWAH 575W 25° TILT LAYOUT
C503 N.T.S.



It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

© 2020 LaBella Associates

GREEN SPARK SOLAR

318 TIMOTHY LANE
ONTARIO, NY 14519



FORT EDWARD LANDFILL
SOLAR ARRAY

45 LEAVY HOLLOW LANE,
FORT EDWARD, NY 12839

NO.	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 2223097

DRAWN BY: LN

REVIEWED BY: JJP

ISSUED FOR: 60% DESIGN

DATE: AUGUST 2022

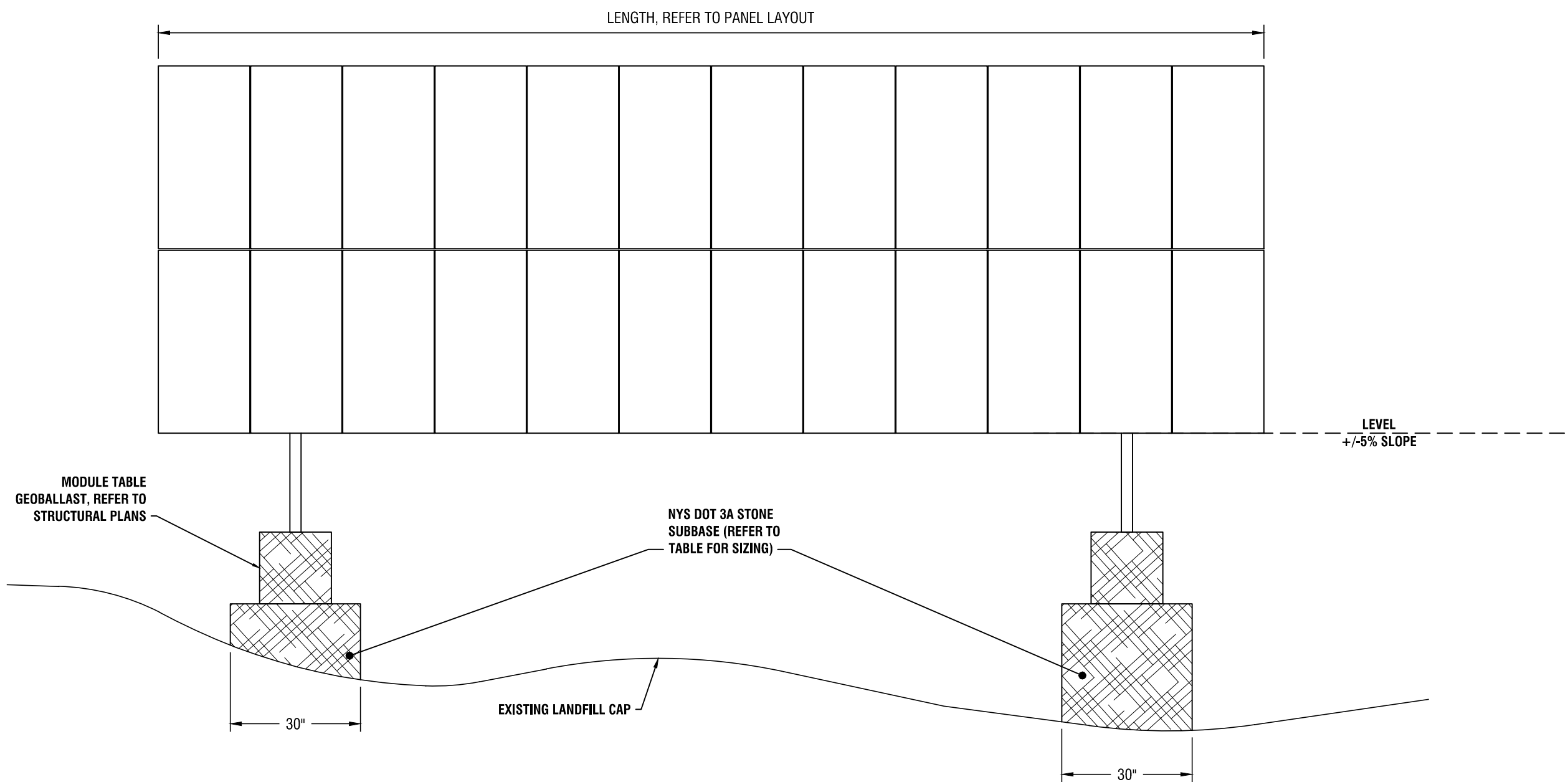
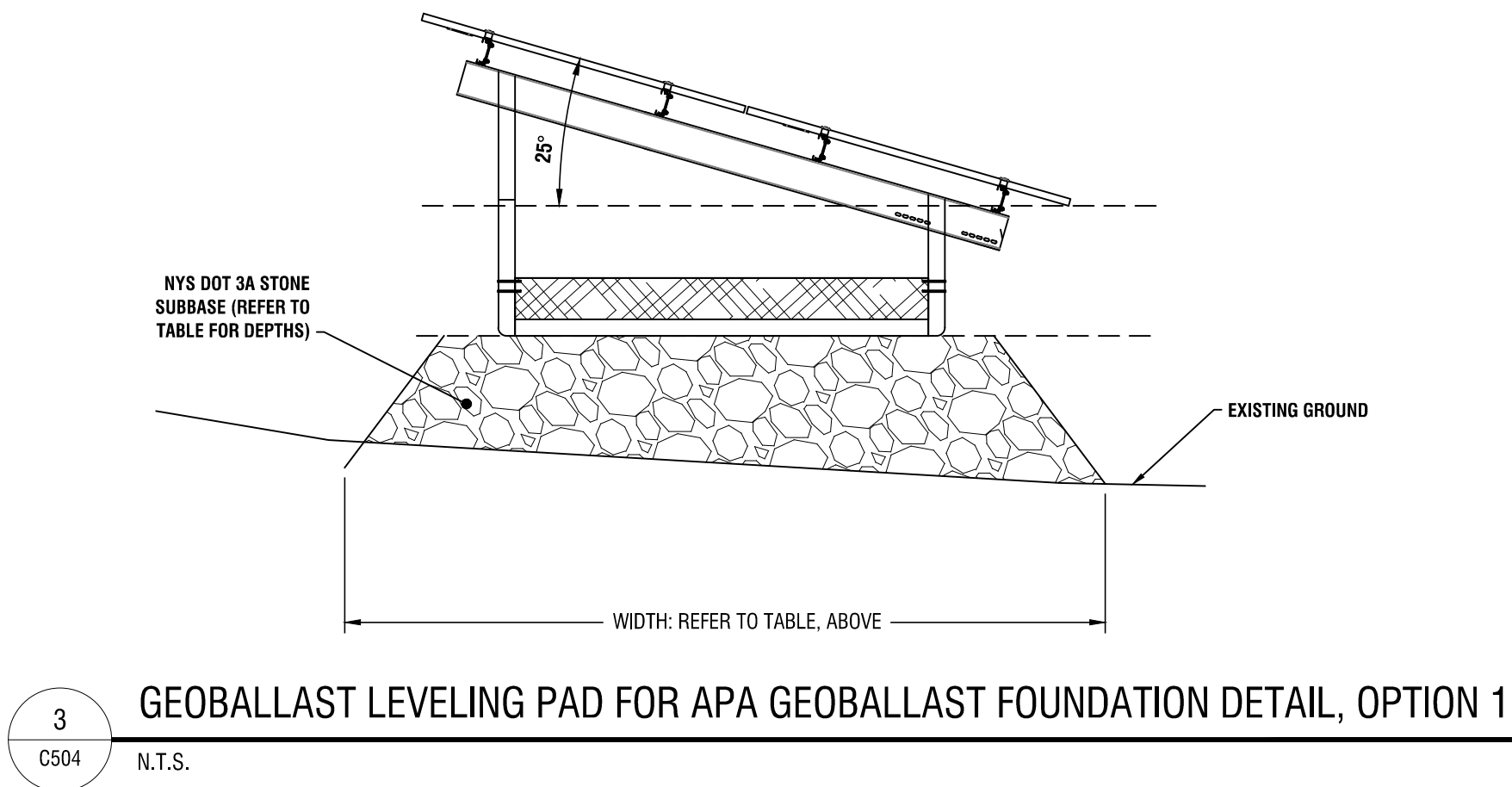
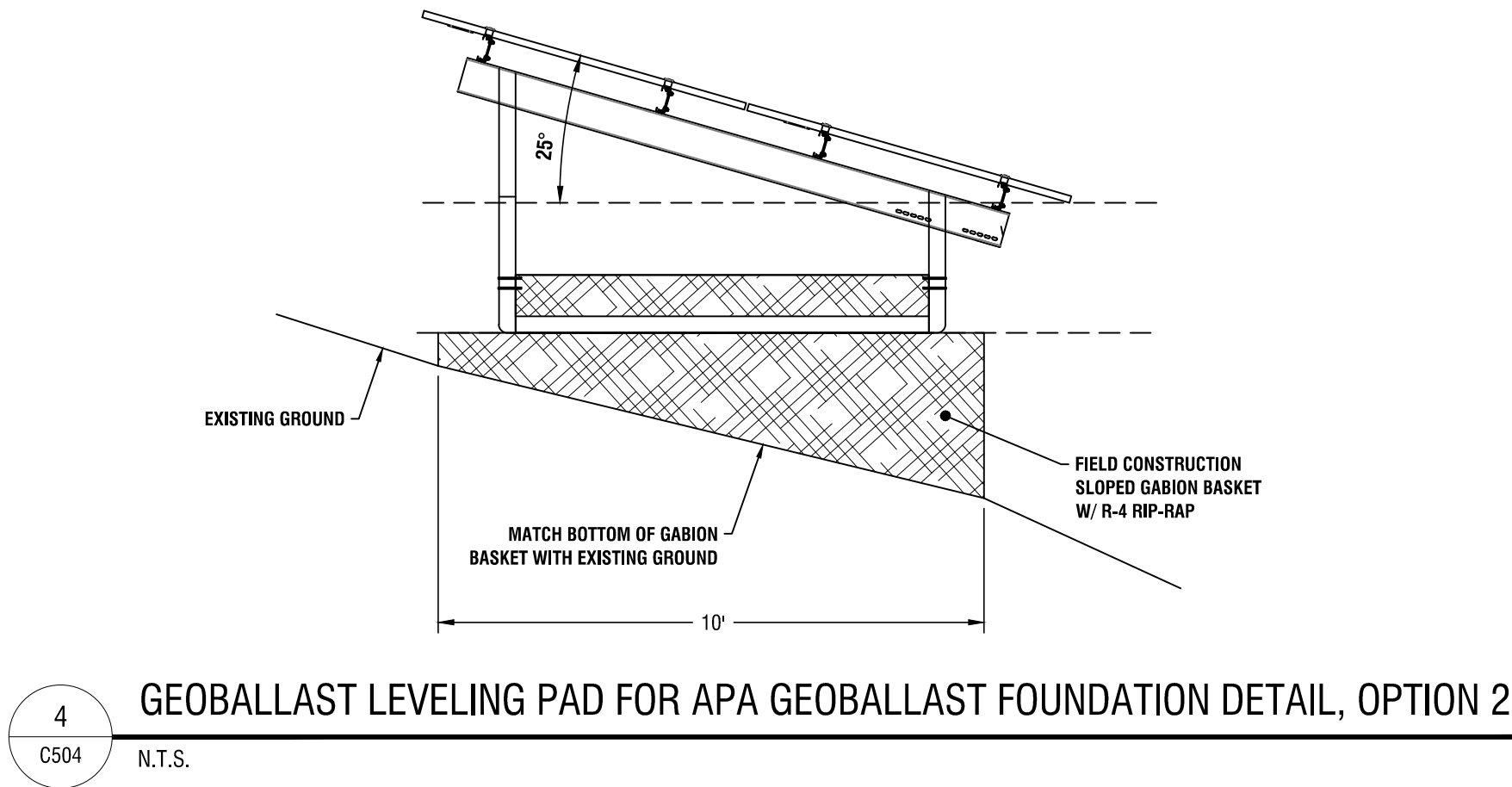
DRAWING NAME:

CONSTRUCTION DETAILS

DRAWING NUMBER:

C504

MIN. SLOPE (%)	MAX. SLOPE (%)	MIN. DEPTH (INCHES)	MAX. DEPTH (INCHES)	ASSUMES 2H:1V SIDE SLOPE SIDESLOPE LENGTH (FT)	TOTAL LEVELING PAD WIDTH (FT)
0	8	3	NO LEVELING PAD REQUIRED		
8	13	3	12	2.00	12.50
13	20	3	17	2.83	14.20
20	25	3	24	4.00	16.50
25	30	3	29	4.83	18.20



1
C504
N.T.S.

LEVELING PAD FOR GEOBALLAST FOUNDATION - PROFILE VIEW - OPTION 1

MIN. SLOPE (%)	MAX. SLOPE (%)	MIN. DEPTH (INCHES)	MAX. DEPTH (INCHES)	ASSUMES 2H:1V SIDE SLOPE SIDESLOPE LENGTH (FT)	TOTAL LEVELING PAD WIDTH (FT)
0	8	3	NO LEVELING PAD REQUIRED		
8	13	3	5	0.83	3.70
13	15	3	7	1.17	4.30
15	20	3	8	1.33	4.70
20	30	3	11	1.83	5.70