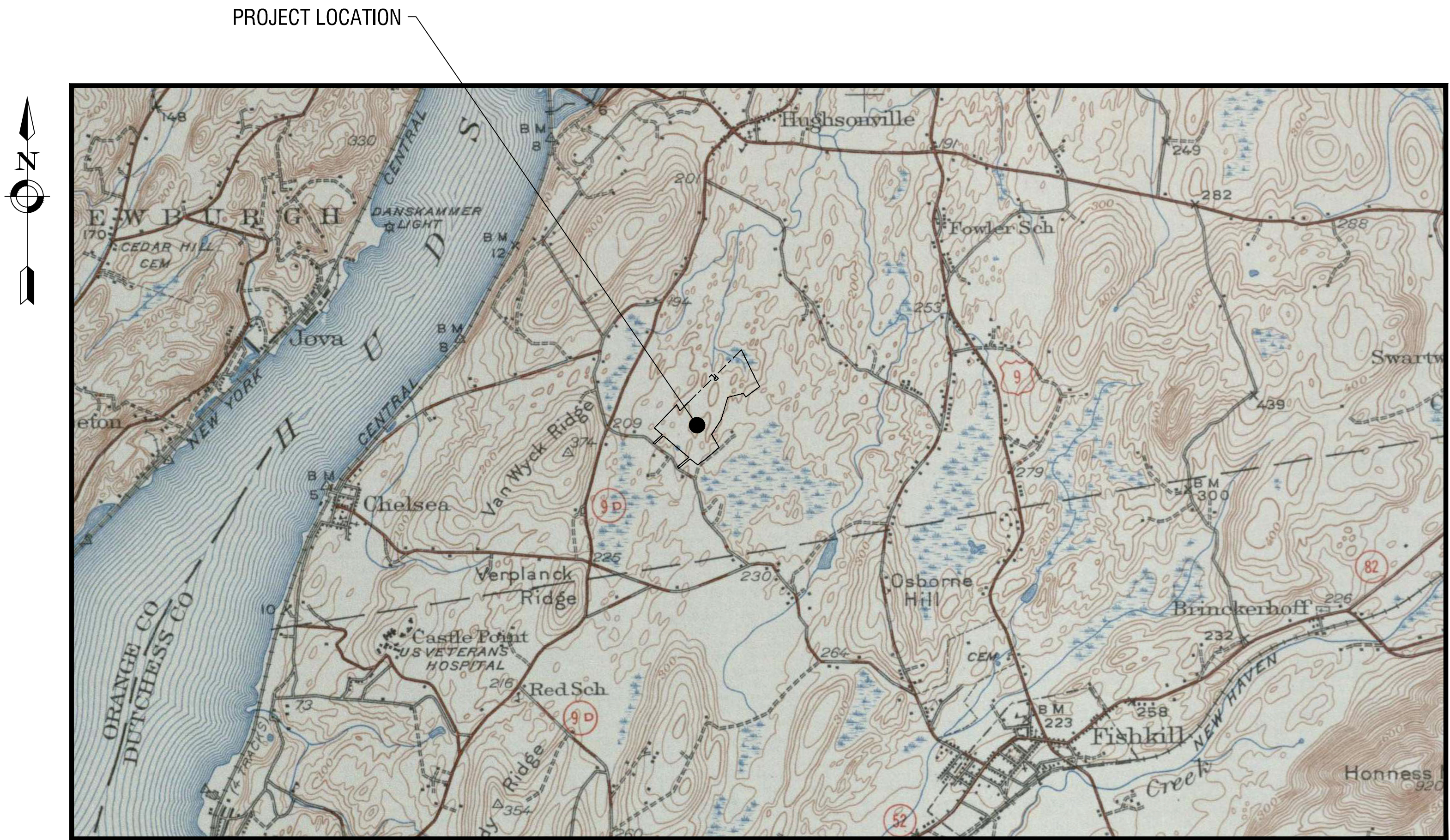


# NORTH CHELSEA SOLAR A LLC

30 DUCK POND DRIVE  
WAPPINGERS FALLS, NY 12590

PROJECT DATA	
PROJECT SITE INFORMATION	
SITE OWNERS	WINKELMANN, ANGELA & ROBERT
SITE ADDRESS	30 DUCK POND DRIVE, WAPPINGERS FALLS, NY 12590
TAX NUMBER	047-02-06.1
GPS COORDINATES	N: 43.0951 W: -76.3852
DEVELOPER NAME	CARSON POWER, LLC.
DEVELOPER ADDRESS	110 WILLIAM STREET, 24TH FLOOR, NEW YORK, NY 10038
CIVIL ENGINEER OF RECORD	LABELLA ASSOCIATES
CIVIL EOR ADDRESS	100 W WATER ST, SUITE 101, ELMIRA, NY 14901
APPLICABLE BUILDING PERMIT AUTHORITY	TOWN OF WAPPINGER
PROPERTY AREA (TOTAL)	75.48 ACRES
FENCED AREA	19.64 ACRES
EQUIPMENT PADS	3
ROAD LENGTH	± 1,889 FT
FENCE LENGTH	± 6,721 FT
SYSTEM SIZE	5.0 MW AC



LOCATION MAP  
N.T.S.

## DRAWING INDEX

C000	COVER
C001	GENERAL NOTES AND LEGEND
C002	OVERALL KEY PLAN
C101	EXISTING CONDITIONS PLAN
C102	TREE CLEARING AND DEMOLITION PLAN
C103	TREE CLEARING AND DEMOLITION PLAN
C201	SITE PLAN
C202	SITE PLAN
C203	TURNING MOVEMENTS
C301	GRADING & EROSION AND SEDIMENT CONTROL PLAN
C302	GRADING & EROSION AND SEDIMENT CONTROL PLAN
C303	GRADING PLAN PROFILES
C401	LANDSCAPING PLAN
C501	CONSTRUCTION DETAILS
C502	CONSTRUCTION DETAILS
C503	CONSTRUCTION DETAILS
C504	CONSTRUCTION DETAILS



CARSON POWER, LLC

110 WILLIAM STREET, 24TH FLOOR

NEW YORK, NY 10038

PROJECT NO: 2232856.01

MAY 1, 2024



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

labellapc.com

ISSUED FOR REVIEW  
MAY 1, 2024

CARSON POWER, LLC  
PROJECT NO: 2232856.01

NORTH CHELSEA SOLAR A  
30 DUCK POND ROAD WAPPINGER FALLS, NY 12590



4/30/2024, 5:28:17 PM B:\CL\Bella-Projects\Carson Power, LLC\222856.01 - North Chelsea Solar A Civil\05 Drawings\Civil\CD01 GENERAL NOTES.dwg

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 NEW YORK STATE EAST ZONE NAD 83 GPS.
5. VERTICAL BASED OFF OF NAVD 88 (GEOID 12A).

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. 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.
4. EXISTING WETLANDS DELINEATED BY LABELLA ASSOCIATES ON SEPTEMBER 2023 AND MARCH 2024.
5. PARCEL LINES AS SHOWN BY
  - 5.1. DUCHESS COUNTY GIS DATABASE, FOR THE TOWN OF WAPPINGER.
  - 5.2. LAWSON SURVEY AND MAPPING DATED JANUARY 30, 2024

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 REGRADED 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 4 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 5 ACRES 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.

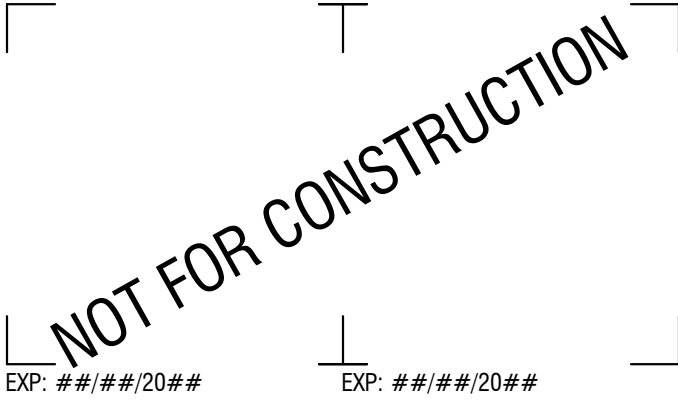
LEGEND

EXISTING	PROPOSED	DESCRIPTION
		PROJECT BENCHMARK / CONTROL POINTS
		WETLAND
		WETLAND BUFFER
		TREE PROTECTION
		FENCE
		TREE/VEGETATION LIMIT
		BUILDING/STRUCTURE
		PROPERTY LINE
		SETBACK LINE
		EASEMENTS
		RIGHT-OF-WAY
		SIGN
		DECIDUOUS TREE
		CONIFEROUS TREE
		TREE STUMP
		OUTLET PROTECTION
		UTILITY POLE
		UTILITY POLE WITH LIGHT
		COMMUNICATIONS
		OVERHEAD ELECTRIC
		UNDERGROUND ELECTRIC
		STORM LINE
		MAJOR CONTOUR
		MINOR CONTOUR
		EROSION FENCE
		COMPOST FILTER SOCK
		CONSTRUCTION FENCE
		STABILIZED CONSTRUCTION ENTRANCE
		END SECTION



100 West Water Street, Suite 101  
Elmira, NY 14901  
607-734-8492

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CERTIFICATE OF AUTHORIZATION NUMBER:  
PROFESSIONAL ENGINEERING: 018281  
LAND SURVEYING: 017976  
GEOLOGICAL: 018750

It is a violation of New York Education Law Art. 145 Sec. 7209 & Art. 147 Sec. 7307, 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.

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NEW YORK, NY 10038



NORTH CHELSEA SOLAR A

30 DUCK POND DRIVE  
WAPPINGERS FALLS, NY 12590

2	04/12/2024	30% REDESIGN SUBMISSION
1	03/21/2024	30% SUBMISSION
NO.	DATE:	DESCRIPTION:

Revisions

PROJECT NUMBER: 2232856.01

DRAWN BY:

REVIEWED BY:

ISSUED FOR: REVIEW

DATE: MAY 1, 2024

DRAWING NAME:

GENERAL NOTES

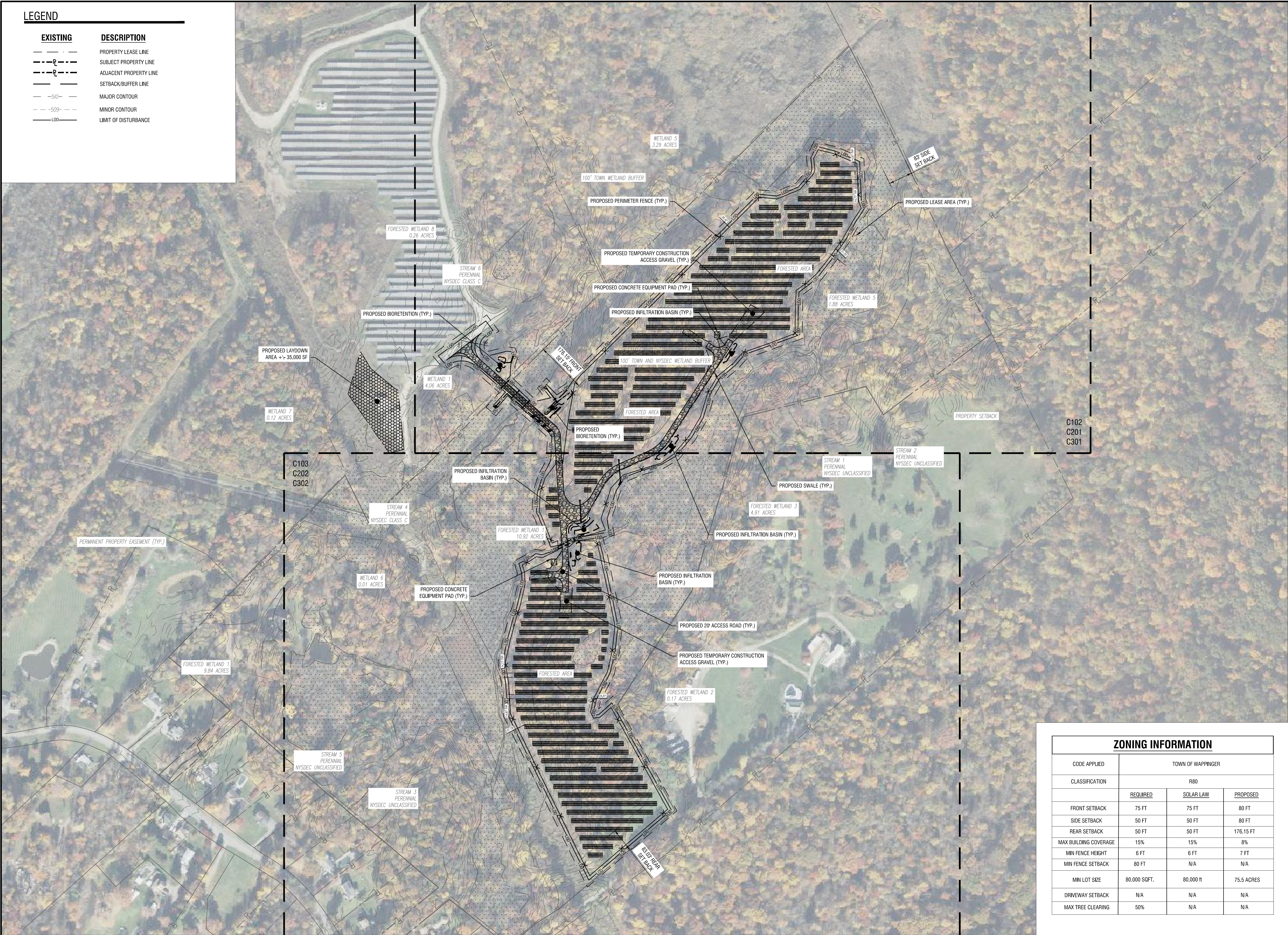
DRAWING NUMBER:

C001



LEGEND

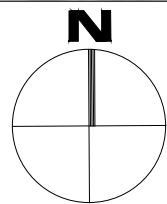
EXISTING	DESCRIPTION
	PROPERTY LEASE LINE
	SUBJECT PROPERTY LINE
	ADJACENT PROPERTY LINE
	SETBACK/BUFFER LINE
	MAJOR CONTOUR
	MINOR CONTOUR
	LIMIT OF DISTURBANCE



ZONING INFORMATION

CODE APPLIED	TOWN OF WAPPINGER		
	R80		
CLASSIFICATION	REQUIRED	SOLAR LAW	PROPOSED
FRONT SETBACK	75 FT	75 FT	80 FT
SIDE SETBACK	50 FT	50 FT	80 FT
REAR SETBACK	50 FT	50 FT	176.15 FT
MAX BUILDING COVERAGE	15%	15%	8%
MIN FENCE HEIGHT	6 FT	6 FT	7 FT
MIN FENCE SETBACK	80 FT	N/A	N/A
MIN LOT SIZE	80,000 SQFT.	80,000 ft	75.5 ACRES
DRIVEWAY SETBACK	N/A	N/A	N/A
MAX TREE CLEARING	50%	N/A	N/A

1 OVERALL KEY PLAN  
C002 SCALE: 1"=150'



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EXP: ##/##/20## EXP: ##/##/20##

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LAND SURVEYING: 017976  
GEOLOGICAL: 018750

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REVIEWED BY:

ISSUED FOR: REVIEW

DATE: MAY 1, 2024

DRAWING NAME:

OVERALL KEY PLAN

DRAWING NUMBER:

C002



LEGEND

EXISTING

DESCRIPTION

PE

PROPERTY EASEMENT

P

SUBJECT PROPERTY LINE

ADJACENT PROPERTY LINE

SETBACK/BUFFER LINE

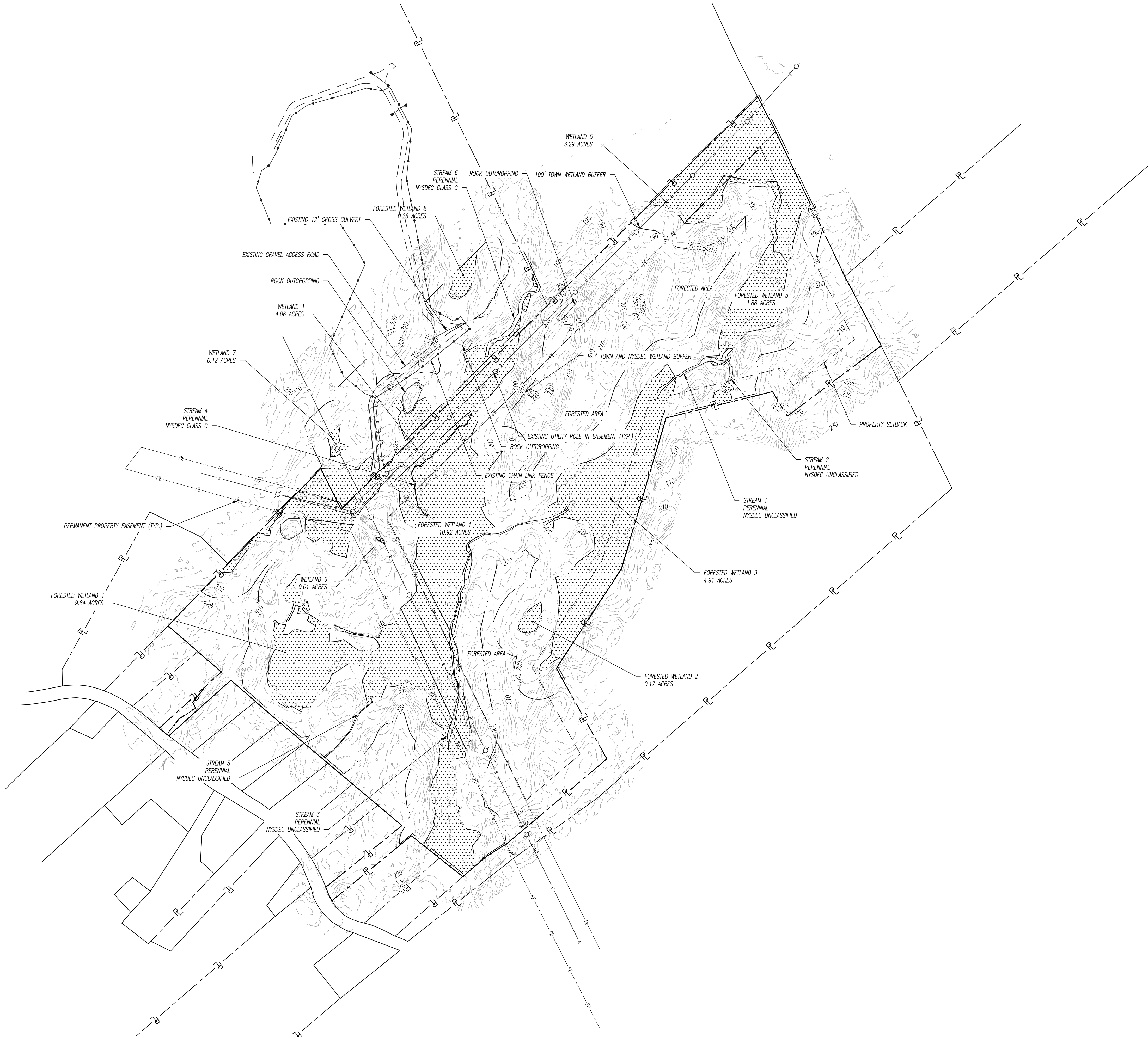
510

MAJOR CONTOUR

509

MINOR CONTOUR

DELINEATED WETLAND



1

C101

EXISTING CONDITIONS PLAN

SCALE: 1" = 200'



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EXP: ##/##/20##EXP: ##/##/20##

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PROFESSIONAL ENGINEERING: 018281  
LAND SURVEYING: 017976  
GEOLOGICAL: 018750

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**NORTH CHELSEA SOLAR A**  
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Revisions

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DRAWN BY:

REVIEWED BY:

ISSUED FOR: REVIEW

DATE: MAY 1, 2024

DRAWING NAME:

EXISTING CONDITIONS PLAN

DRAWING NUMBER:

C101



NOT FOR CONSTRUCTION

CERTIFICATE OF AUTHORIZATION NUMBER:  
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LAND SURVEYING: 017976  
GEOLOGICAL: 018750

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NO.	DATE:	DESCRIPTION:

Revisions

PROJECT NUMBER: 2232856.01

DRAWN BY:

REVIEWED BY:

ISSUED FOR: REVIEW

DATE: MAY 1, 2024

DRAWING NAME:

TREE CLEARING AND  
DEMOLITION PLAN

DRAWING NUMBER:

C102

LEGEND

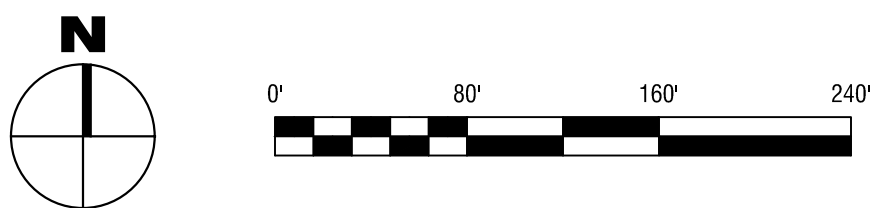
EXISTING	DESCRIPTION
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	SUBJECT PROPERTY LINE
	ADJACENT PROPERTY LINE
	SETBACK/BUFFER LINE
	MAJOR CONTOUR
	MINOR CONTOUR

	DELINEATED WETLAND
	TREE CLEARING AND GRUBBING
	TREE CLEARING

DEMOLITION DATA	
APPLICANT	CARSON POWER, LLC.
PARCEL AREA	±75.48 ACRES
TREE REMOVAL	±22.51 ACRES
TREE CLEARING	±0.17 ACRES
TREE CLEARING AND GRUBBING	±23.02 ACRES



1 TREE CLEARING AND DEMOLITION PLAN  
C102 SCALE: 1" = 80'





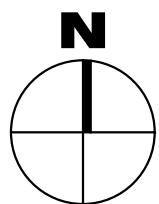
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1  
C103

TREE CLEARING AND DEMOLITION PLAN

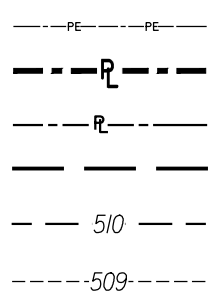
SCALE: 1" = 80'



DEMOLITION DATA	
APPLICANT	CARSON POWER, LLC.
PARCEL AREA	±75.48 ACRES
TREE REMOVAL	±22.51 ACRES
TREE CLEARING	±0.17 ACRES
TREE CELARING AND GRUBBING	±23.02 ACRES

LEGEND

EXISTING

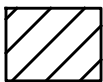


DESCRIPTION

PROPERTY EASEMENT  
SUBJECT PROPERTY LINE  
ADJACENT PROPERTY LINE  
SETBACK/BUFFER LINE  
MAJOR CONTOUR  
MINOR CONTOUR



DELINEATED WETLAND



TREE CLEARING AND GRUBBING



TREE CLEARING



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NOT FOR CONSTRUCTION

CERTIFICATE OF AUTHORIZATION NUMBER:  
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LAND SURVEYING: 017976  
GEOLOGICAL: 018750

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WAPPINGERS FALLS, NY 12590

2	04/12/2024	30% REDESIGN SUBMISSION
1	03/21/2024	30% SUBMISSION
NO.	DATE:	DESCRIPTION:

Revisions

PROJECT NUMBER: 2232856.01

DRAWN BY:

REVIEWED BY:

ISSUED FOR: REVIEW

DATE: MAY 1, 2024

DRAWING NAME:

TREE CLEARING AND  
DEMOLITION PLAN

DRAWING NUMBER:

C103



NOT FOR CONSTRUCTION

CERTIFICATE OF AUTHORIZATION NUMBER:  
PROFESSIONAL ENGINEERING: 018281  
LAND SURVEYING: 017976  
GEOLOGICAL: 018750

It is a violation of New York Education Law Art. 145 Sec. 7209 & Art. 147 Sec. 7307, 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.

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110 WILLIAM STREET, 24TH FLOOR  
NEW YORK, NY 10038



NORTH CHELSEA SOLAR A

30 DUCK POND DRIVE  
WAPPINGERS FALLS, NY 12590

2	04/12/2024	30% REDESIGN SUBMISSION
1	03/21/2024	30% SUBMISSION
NO.	DATE:	DESCRIPTION:

Revisions

PROJECT NUMBER: 2232856.01

DRAWN BY:

REVIEWED BY:

ISSUED FOR: REVIEW

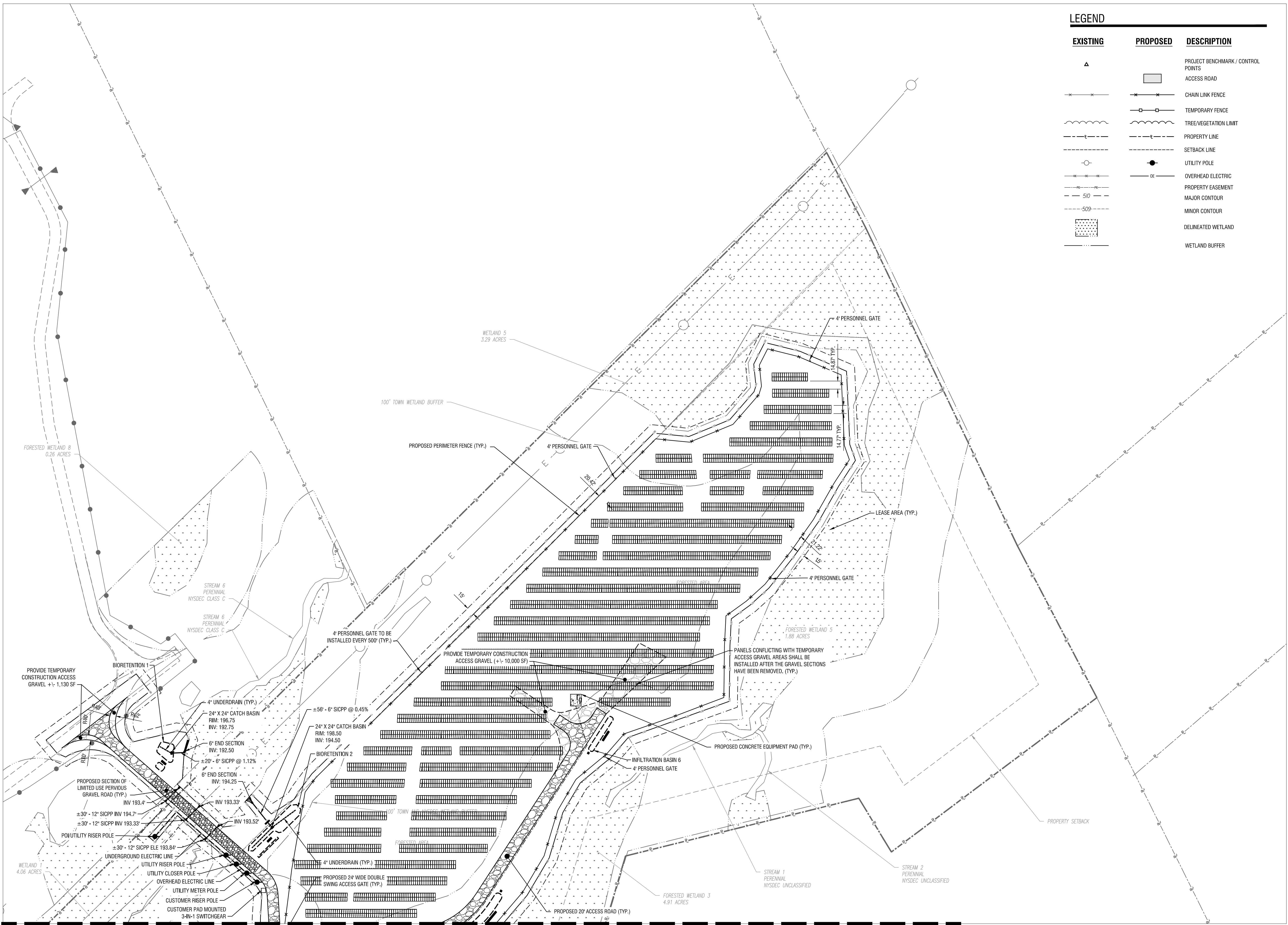
DATE: MAY 1, 2024

DRAWING NAME:

SITE PLAN

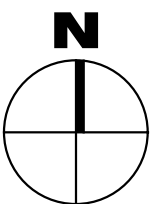
DRAWING NUMBER:

C201



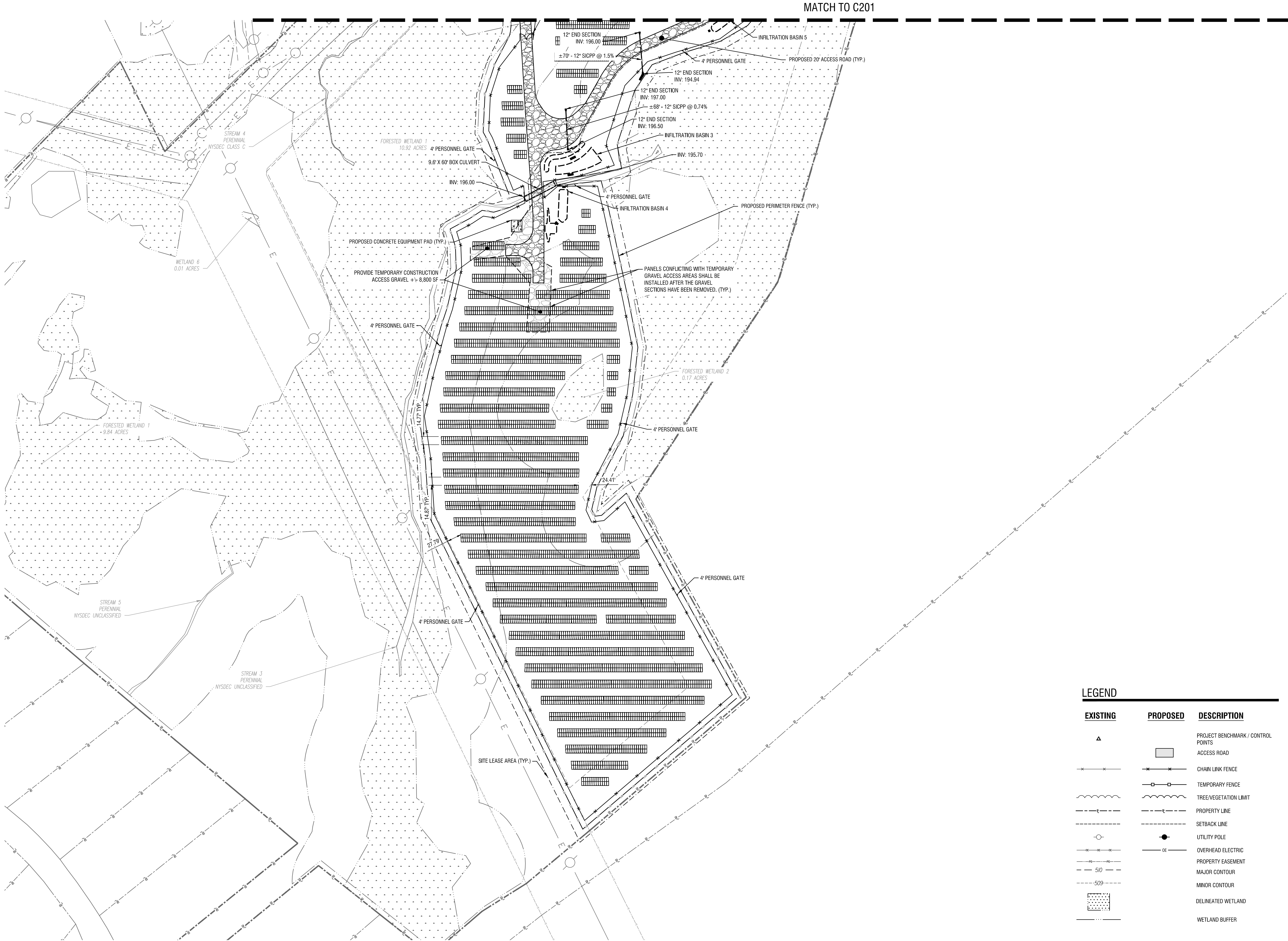
MATCH TO C202

1 SITE PLAN  
C201 SCALE: 1"=80'





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B:\GLBA\Projects\Carson Power LLC\2232856.01 - North Chelsea Solar A\CH05\_Drawings\Civil\C202 SITE PLAN.dwg



1 SITE PLAN  
C202 SCALE: 1"=80'

LEGEND		
EXISTING	PROPOSED	DESCRIPTION
		PROJECT BENCHMARK / CONTROL POINTS ACCESS ROAD
		CHAIN LINK FENCE TEMPORARY FENCE
		TREE/VEGETATION LIMIT PROPERTY LINE
		SETBACK LINE UTILITY POLE
		OVERHEAD ELECTRIC PROPERTY EASEMENT
		MAJOR CONTOUR MINOR CONTOUR
		DELINEATED WETLAND WETLAND BUFFER



100 West Water Street, Suite 101  
Elmira, NY 14901  
607-734-8492  
labellapc.com

NOT FOR CONSTRUCTION  
EXP: ##/##/20## EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:  
PROFESSIONAL ENGINEERING: 018281  
LAND SURVEYING: 017976  
GEOLOGICAL: 018750

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NORTH CHELSEA SOLAR A  
30 DUCK POND DRIVE  
WAPPINGERS FALLS, NY 12590

2	04/12/2024	30% REDESIGN SUBMISSION
1	03/21/2024	30% SUBMISSION
NO.	DATE:	DESCRIPTION:

Revisions

PROJECT NUMBER: 2232856.01

DRAWN BY:

REVIEWED BY:

ISSUED FOR: REVIEW

DATE: MAY 1, 2024

DRAWING NAME:

SITE PLAN

DRAWING NUMBER:

C202



NOT FOR CONSTRUCTION

CERTIFICATE OF AUTHORIZATION NUMBER:  
PROFESSIONAL ENGINEERING: 018281  
LAND SURVEYING: 017976  
GEOLOGICAL: 018750

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NORTH CHELSEA SOLAR A

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NO.	DATE:	DESCRIPTION:

Revisions

PROJECT NUMBER: 2232856.01

DRAWN BY:

REVIEWED BY:

ISSUED FOR: REVIEW

DATE: MAY 1, 2024

DRAWING NAME:

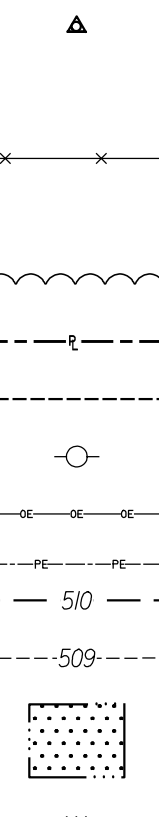
GRADING & EROSION AND  
SEDIMENT CONTROL PLAN

DRAWING NUMBER:

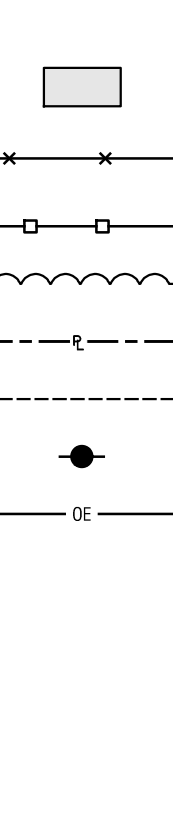
C301

LEGEND

EXISTING

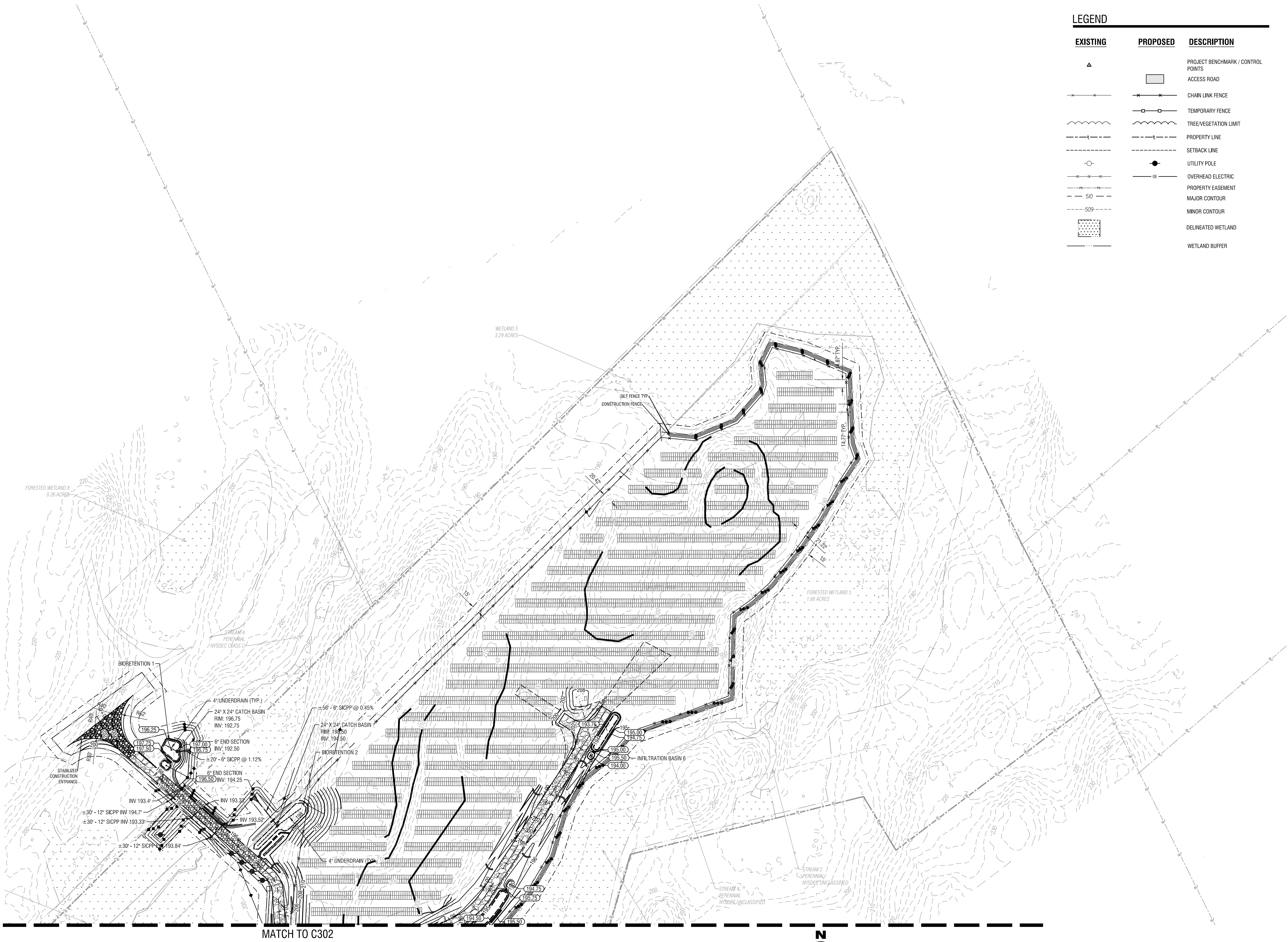


PROPOSED



DESCRIPTION

PROJECT BENCHMARK / CONTROL  
POINTS  
ACCESS ROAD  
CHAIN LINK FENCE  
TEMPORARY FENCE  
TREE/VEGETATION LIMIT  
PROPERTY LINE  
SETBACK LINE  
UTILITY POLE  
OVERHEAD ELECTRIC  
PROPERTY EASEMENT  
MAJOR CONTOUR  
MINOR CONTOUR  
DELINEATED WETLAND  
WETLAND BUFFER



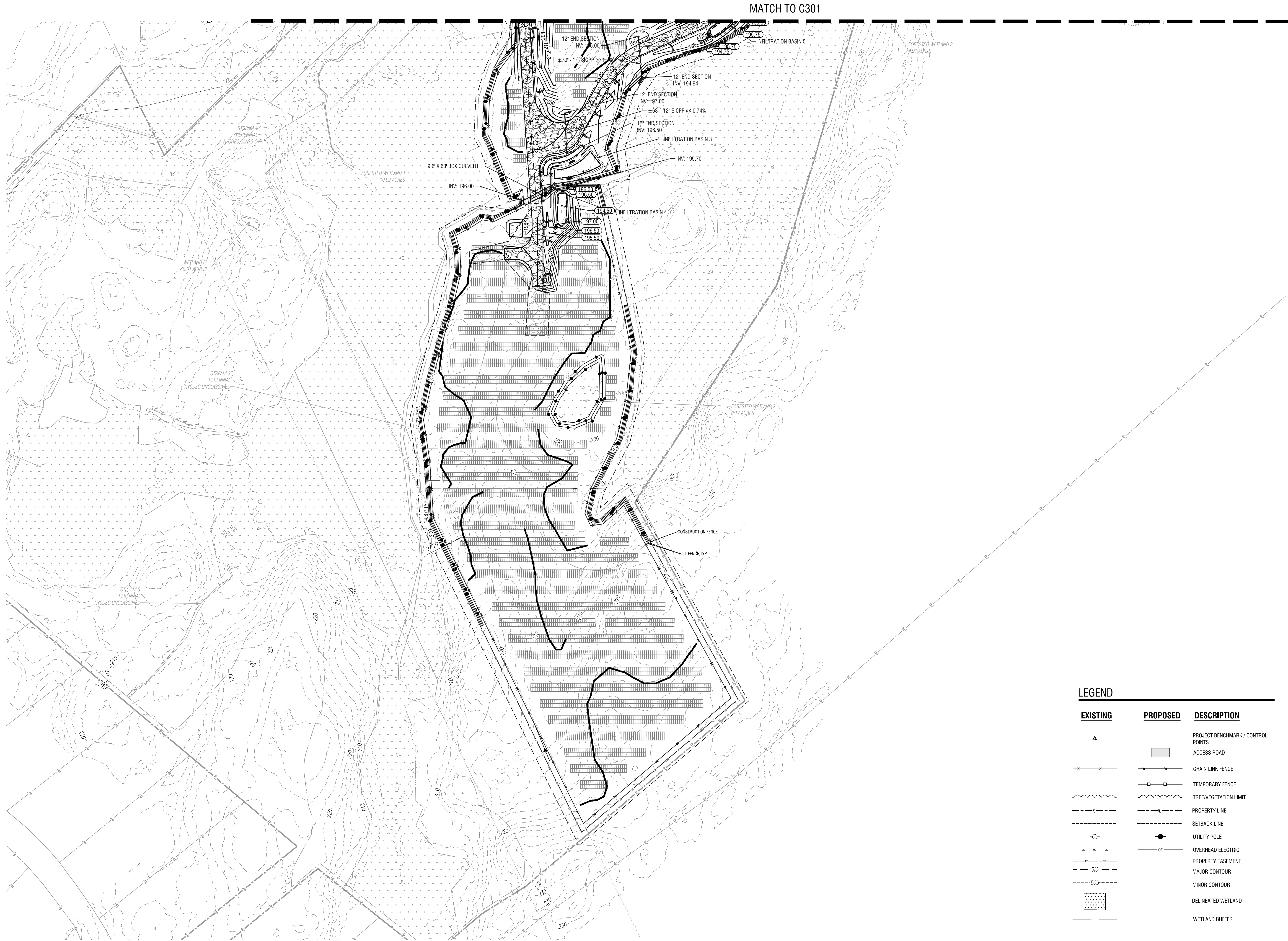
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SCALE: 1"=80'

C301

MATCH TO C302

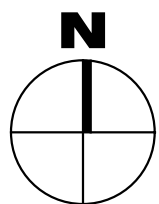


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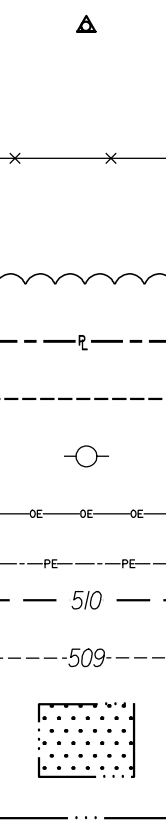
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C302

GRADING & EROSION AND SEDIMENT CONTROL PLAN  
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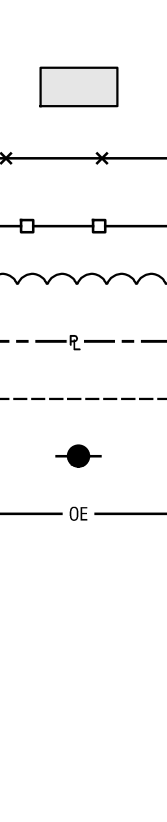


#### LEGEND

##### EXISTING



##### PROPOSED



##### DESCRIPTION

PROJECT BENCHMARK / CONTROL POINTS  
ACCESS ROAD  
CHAIN LINK FENCE  
TEMPORARY FENCE  
TREE/VEGETATION LIMIT  
PROPERTY LINE  
SETBACK LINE  
UTILITY POLE  
OVERHEAD ELECTRIC  
PROPERTY EASEMENT  
MAJOR CONTOUR  
MINOR CONTOUR  
DELINEATED WETLAND  
WETLAND BUFFER



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Elmira, NY 14901  
607-734-8492  
labellapc.com

NOT FOR CONSTRUCTION  
EXP: ##/##/20## EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:  
PROFESSIONAL ENGINEERING: 018281  
LAND SURVEYING: 017976  
GEOLOGICAL: 018750

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NEW YORK, NY 10038



#### NORTH CHELSEA SOLAR A

30 DUCK POND DRIVE  
WAPPINGERS FALLS, NY 12590

2	04/12/2024	30% REDESIGN SUBMISSION
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NO.	DATE	DESCRIPTION

Revisions

PROJECT NUMBER: 2232856.01

DRAWN BY:

REVIEWED BY:

ISSUED FOR: REVIEW

DATE: MAY 1, 2024

DRAWING NAME:

#### GRADING & EROSION AND SEDIMENT CONTROL PLAN

DRAWING NUMBER:

C302



NOT FOR CONSTRUCTION

CERTIFICATE OF AUTHORIZATION NUMBER:  
PROFESSIONAL ENGINEERING: 018281  
LAND SURVEYING: 017976  
GEOLOGICAL: 018750

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## NORTH CHELSEA SOLAR A

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NO.	DATE:	DESCRIPTION:

Revisions

PROJECT NUMBER: 2232856.01

DRAWN BY:

REVIEWED BY:

ISSUED FOR: REVIEW

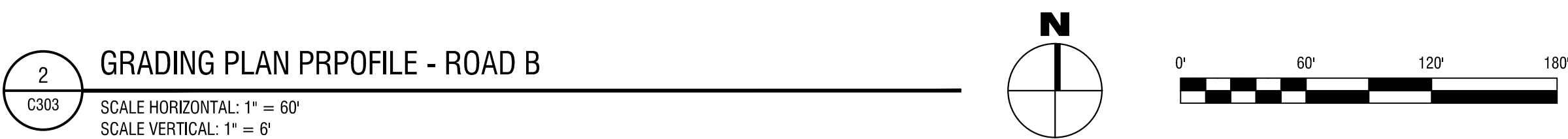
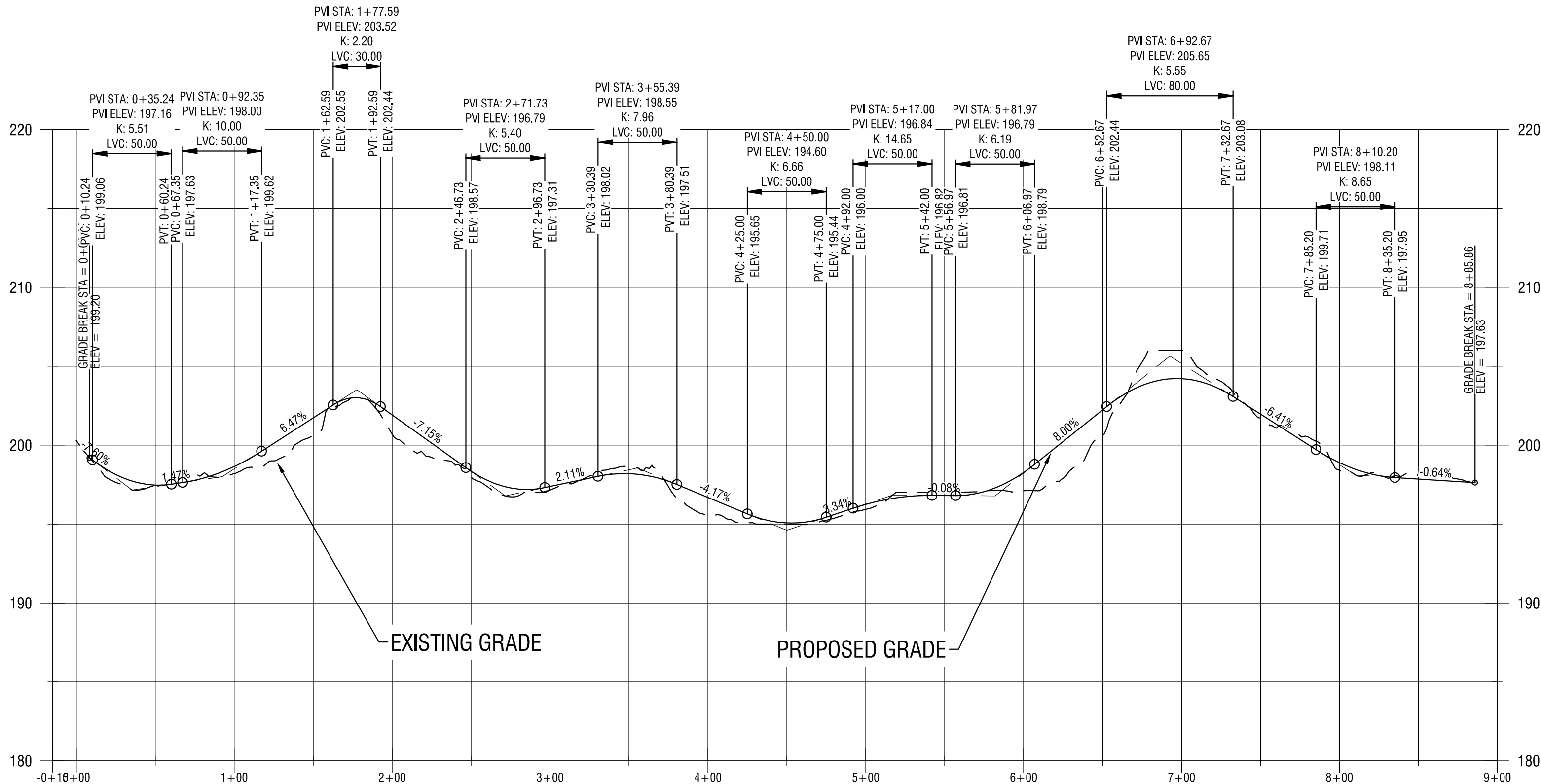
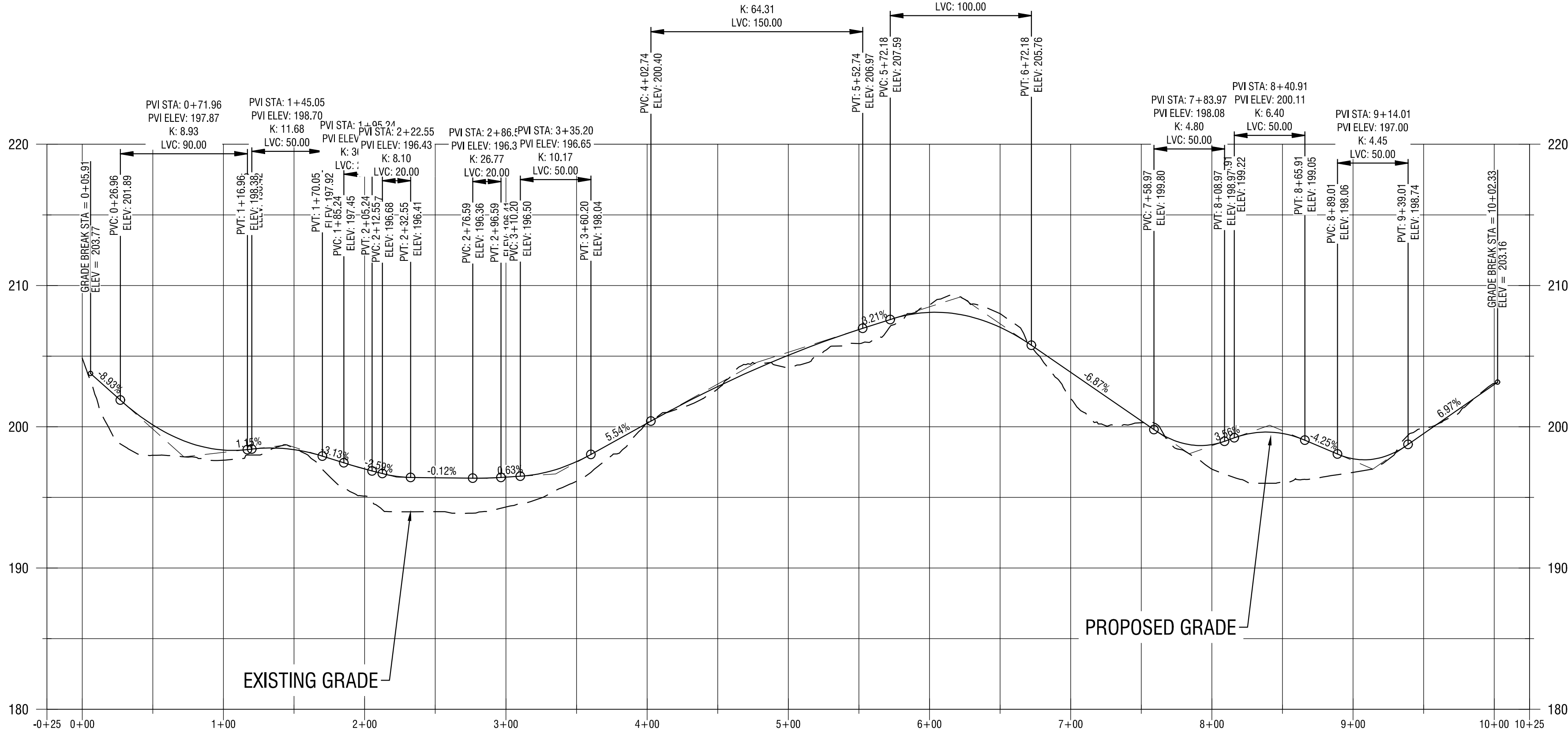
DATE: MAY 1, 2024

DRAWING NAME:

## ROAD PLAN AND PROFILE

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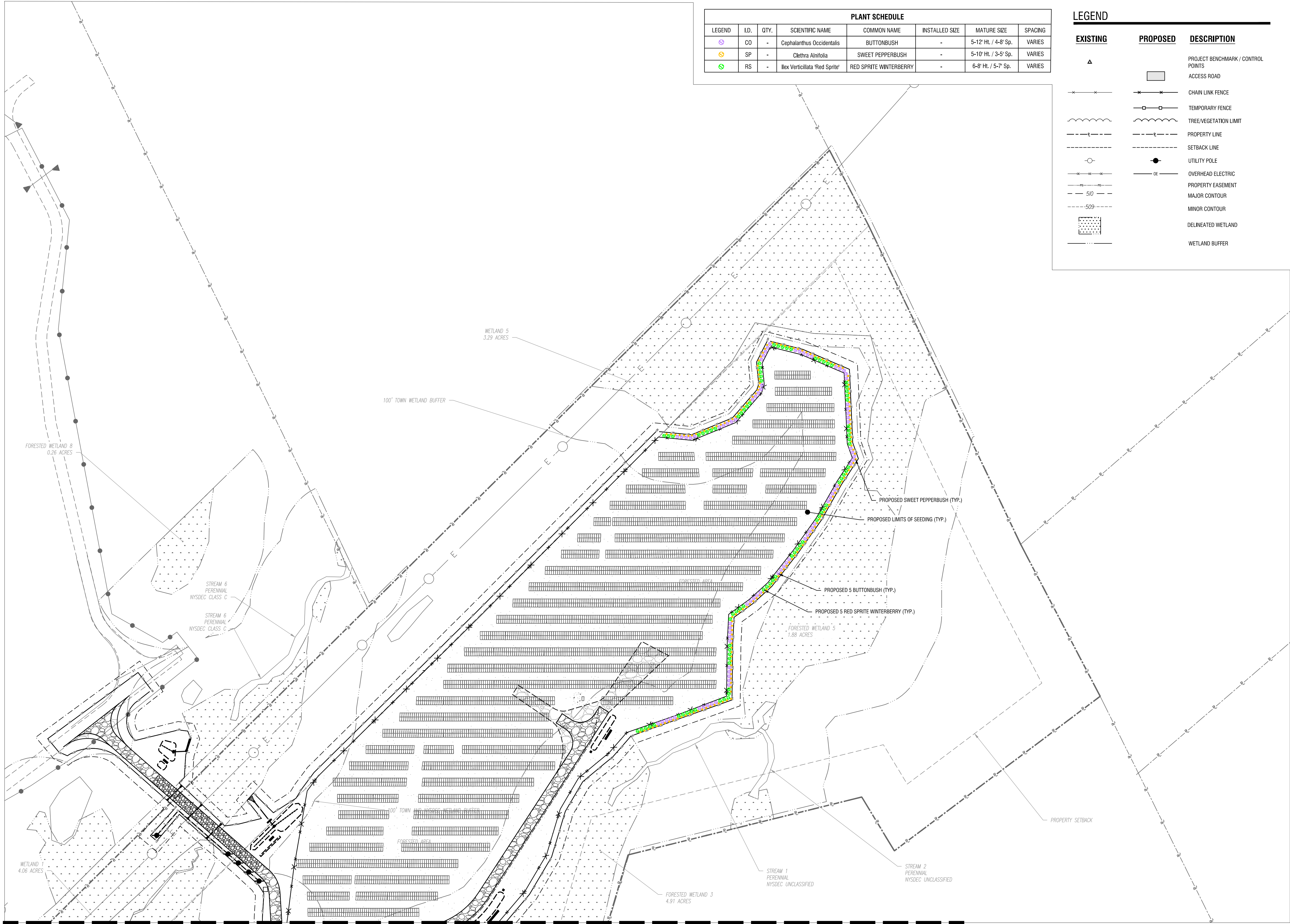
C303



Volume Summary							
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Totals							
Total				81123.11	2422.05	2318.24	103.81<Cut>
* Value adjusted by cut or fill factor other than 1.0							



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B:\GLBA\Projects\Carson Power LLC\2232856.01 - North Chelsea Solar A C401.dwg



PLANT SCHEDULE						
LEGEND	I.D.	QTY.	SCIENTIFIC NAME	COMMON NAME	INSTALLED SIZE	MATURE SIZE
	CO	-	Cephalanthus Occidentalis	BUTTONBUSH	-	5-12' Ht. / 4-8' Sp.
	SP	-	Clethra Alnifolia	SWEET PEPPERBUSH	-	5-10' Ht. / 3-5' Sp.
	RS	-	Ilex Verticillata 'Red Sprite'	RED SPRITE WINTERBERRY	-	6-8' Ht. / 5-7' Sp.

LEGEND		
EXISTING	PROPOSED	DESCRIPTION
		PROJECT BENCHMARK / CONTROL POINTS
		ACCESS ROAD
		CHAIN LINK FENCE
		TEMPORARY FENCE
		TREE/VEGETATION LIMIT
		PROPERTY LINE
		SETBACK LINE
		UTILITY POLE
		OVERHEAD ELECTRIC
		PROPERTY EASEMENT
		MAJOR CONTOUR
		MINOR CONTOUR
		DELINEATED WETLAND
		WETLAND BUFFER

**NOT FOR CONSTRUCTION**

EXP: ##/##/20## EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:  
PROFESSIONAL ENGINEERING: 018281  
LAND SURVEYING: 017976  
GEOLOGICAL: 018750

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NEW YORK, NY 10038



**NORTH CHELSEA SOLAR A**

30 DUCK POND DRIVE  
WAPPINGERS FALLS, NY 12590

2	04/12/2024	30% REDESIGN SUBMISSION
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NO.	DATE:	DESCRIPTION:

Revisions

PROJECT NUMBER: 2232856.01

DRAWN BY:

REVIEWED BY:

ISSUED FOR: REVIEW

DATE: MAY 1, 2024

DRAWING NAME:

**LANDSCAPING PLAN**

DRAWING NUMBER:

**C401**



NOT FOR CONSTRUCTION

CERTIFICATE OF AUTHORIZATION NUMBER:  
PROFESSIONAL ENGINEERING: 018281  
LAND SURVEYING: 017976  
GEOLOGICAL: 018750

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NEW YORK, NY 10038



NORTH CHELSEA SOLAR A  
30 DUCK POND DRIVE  
WAPPINGERS FALLS, NY 12590

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NO.	DATE:	DESCRIPTION:

Revisions

PROJECT NUMBER: 2232856.01

DRAWN BY:

REVIEWED BY:

ISSUED FOR: REVIEW

DATE: MAY 1, 2024

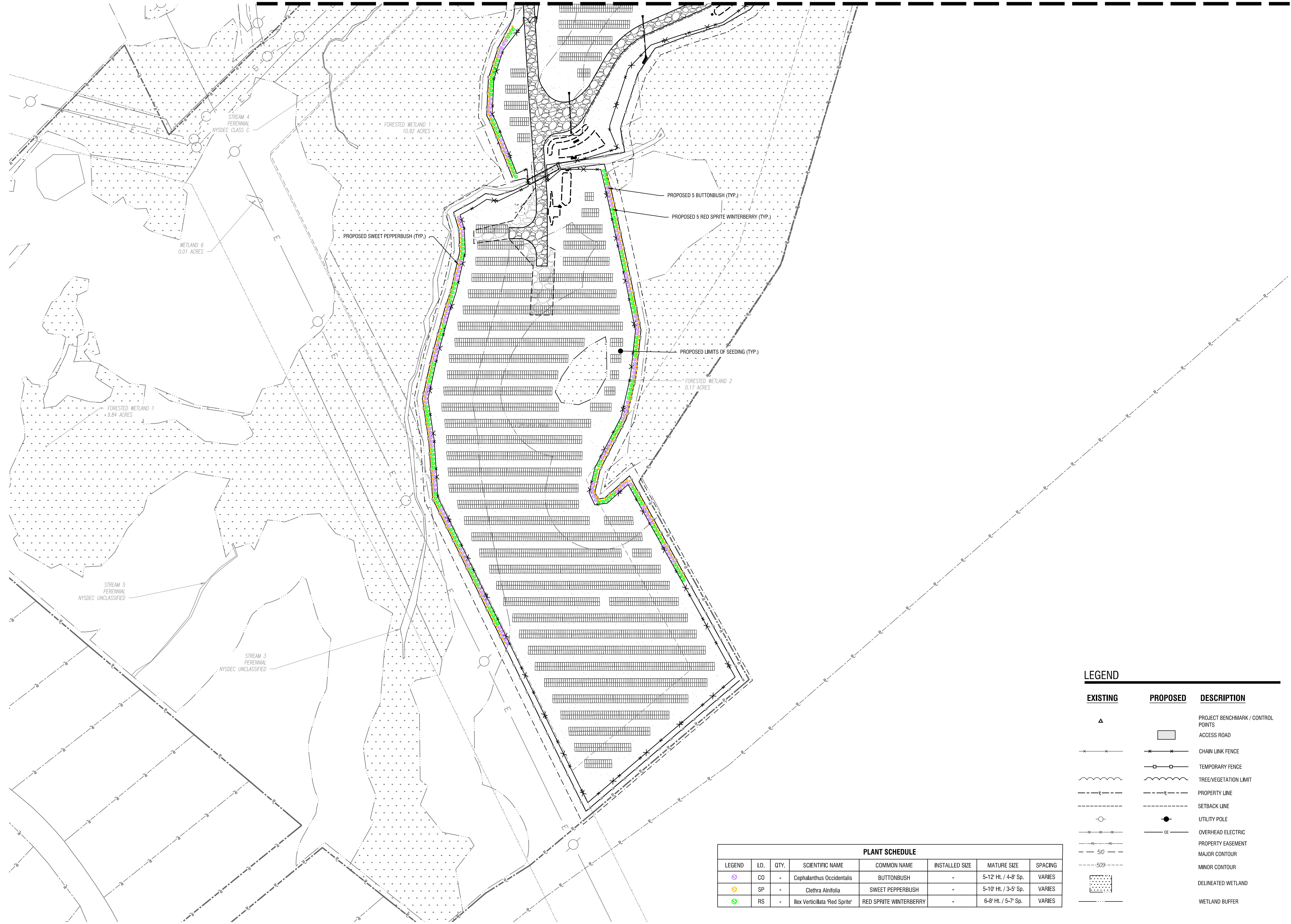
DRAWING NAME:

LANDSCAPING PLAN

DRAWING NUMBER:

C402

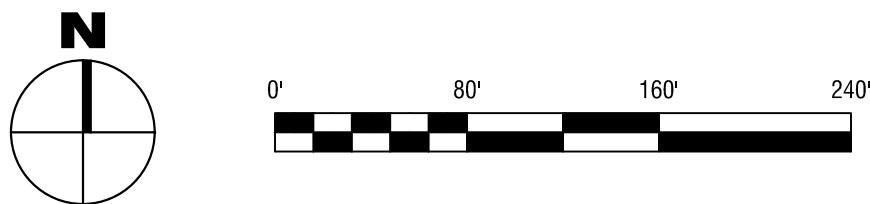
MATCH TO C401



PLANT SCHEDULE						
LEGEND	I.D.	QTY.	SCIENTIFIC NAME	COMMON NAME	INSTALLED SIZE	MATURE SIZE
	CO	-	Cephalanthus Occidentalis	BUTTONBUSH	-	5-12' Ht. / 4-8' Sp.
	SP	-	Clethra Alnifolia	SWEET PEPPERBUSH	-	5-10' Ht. / 3-5' Sp.
	RS	-	Ilex Verticillata 'Red Sprite'	RED SPRITE WINTERBERRY	-	6-8' Ht. / 5-7' Sp.

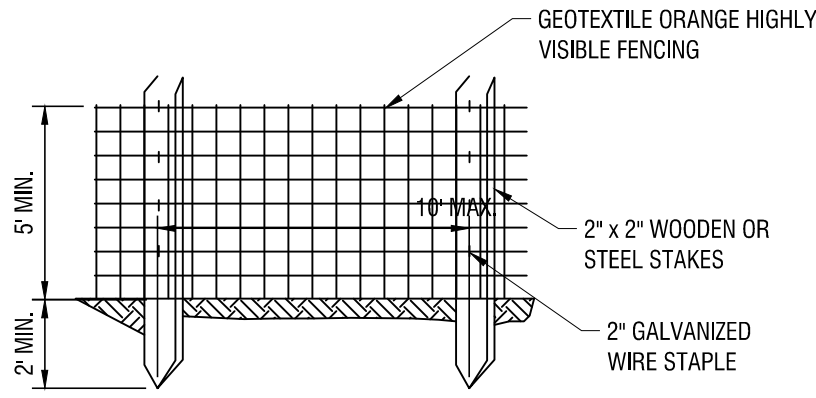
EXISTING	PROPOSED	DESCRIPTION
		PROJECT BENCHMARK / CONTROL POINTS
		ACCESS ROAD
		CHAIN LINK FENCE
		TEMPORARY FENCE
		TREE/VEGETATION LIMIT
		PROPERTY LINE
		SETBACK LINE
		UTILITY POLE
		OVERHEAD ELECTRIC
		PROPERTY EASEMENT
		MAJOR CONTOUR
		MINOR CONTOUR
		DELINEATED WETLAND
		WETLAND BUFFER

1 LANDSCAPING PLAN  
C402 SCALE: 1"=80'

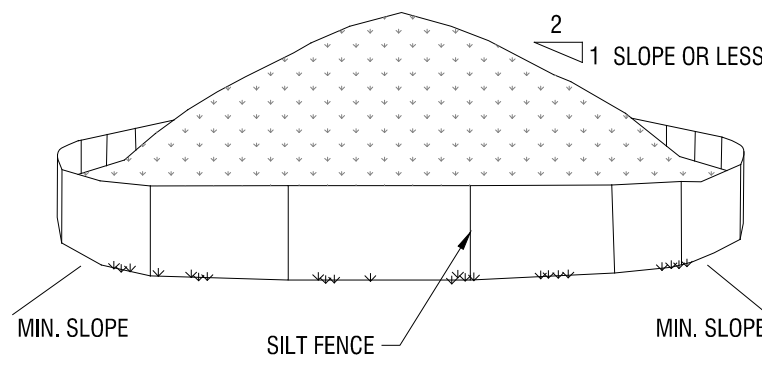




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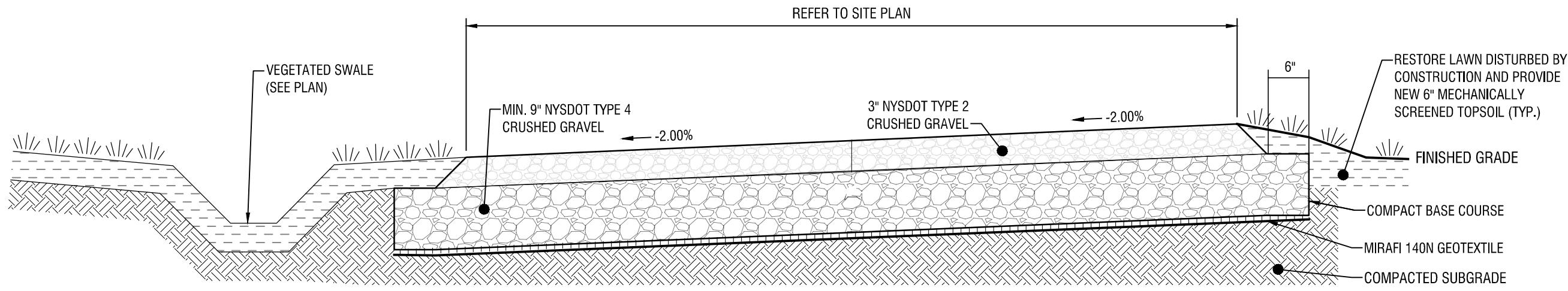
1 ORANGE CONSTRUCTION FENCE  
C501 N.T.S.



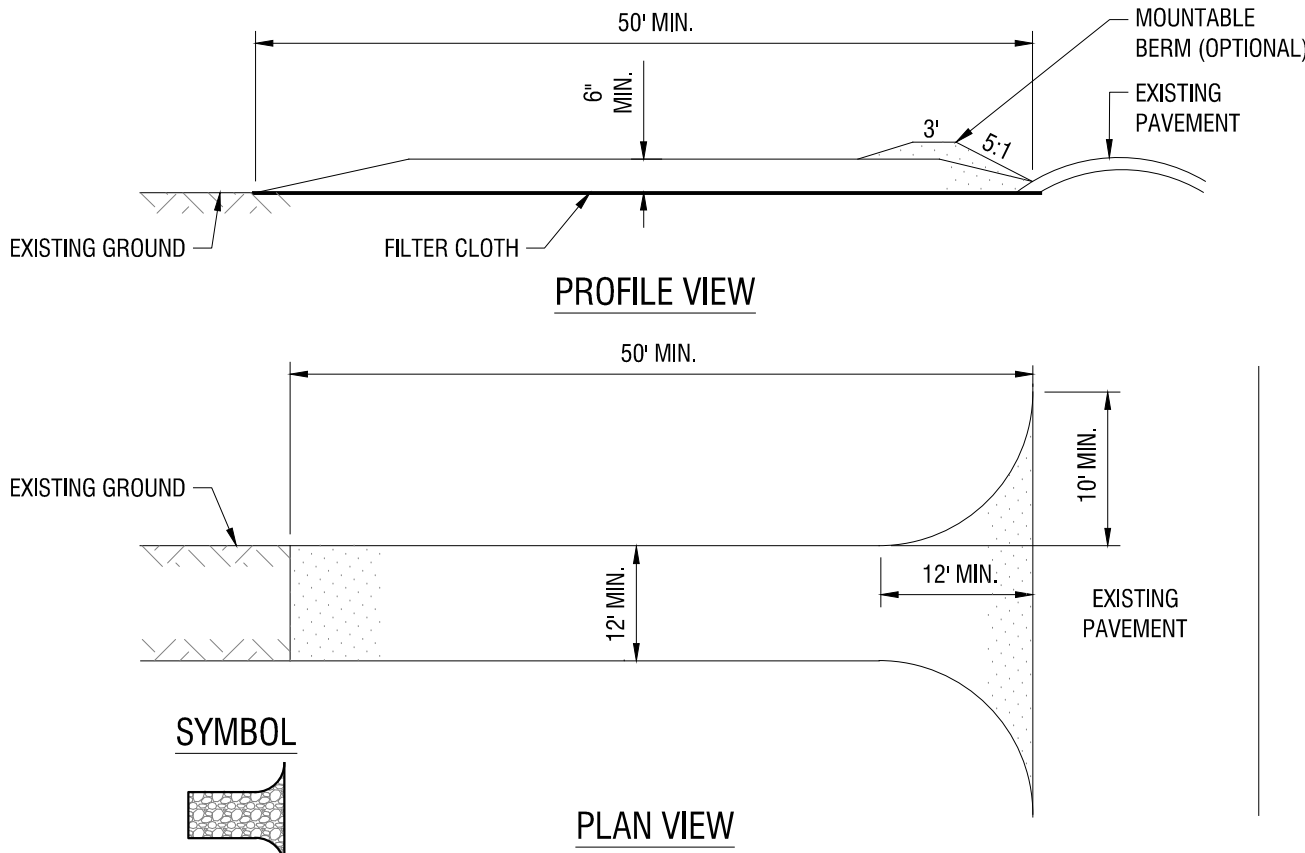
NOTES:

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.

2 TEMPORARY SOIL STOCKPILE  
C501 N.T.S.



3 IMPERVIOUS GRAVEL ACCESS ROAD WITH SWALE  
C501 N.T.S.

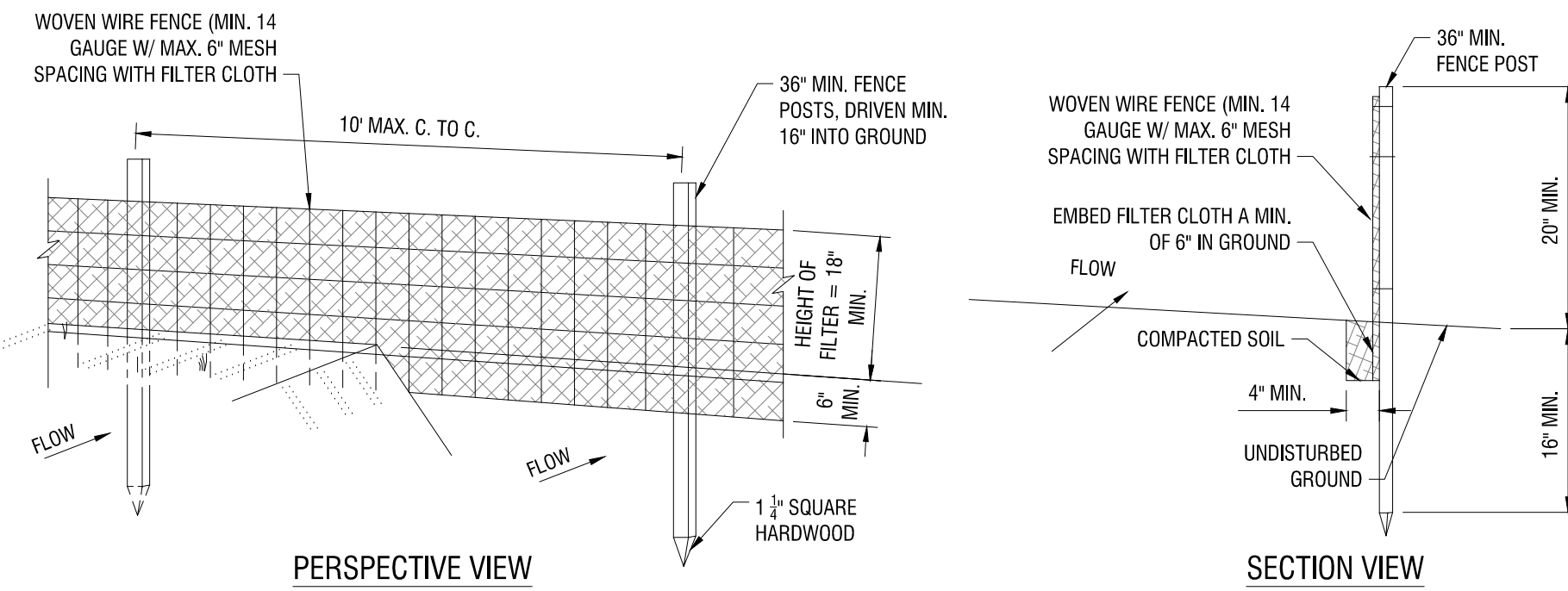


CONSTRUCTION SPECIFICATIONS:

1. STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. 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.
5. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. 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.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS OF WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT.

STABILIZED CONSTRUCTION ENTRANCE

NYS DEC DETAIL: STABILIZED CONSTRUCTION ACCESS

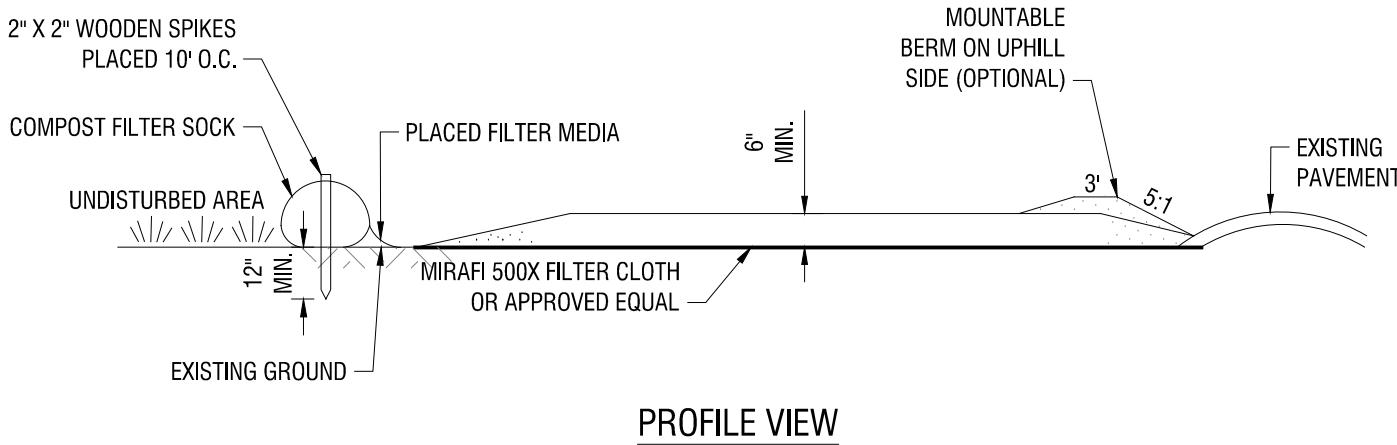


NOTES:

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "1" OR "1 1/2" TYPE OR HARDWOOD.
2. 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.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRARI 100X, STABILINKA 140N, OR APPROVED EQUAL.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE

NYS DEC DETAIL: SILT FENCE

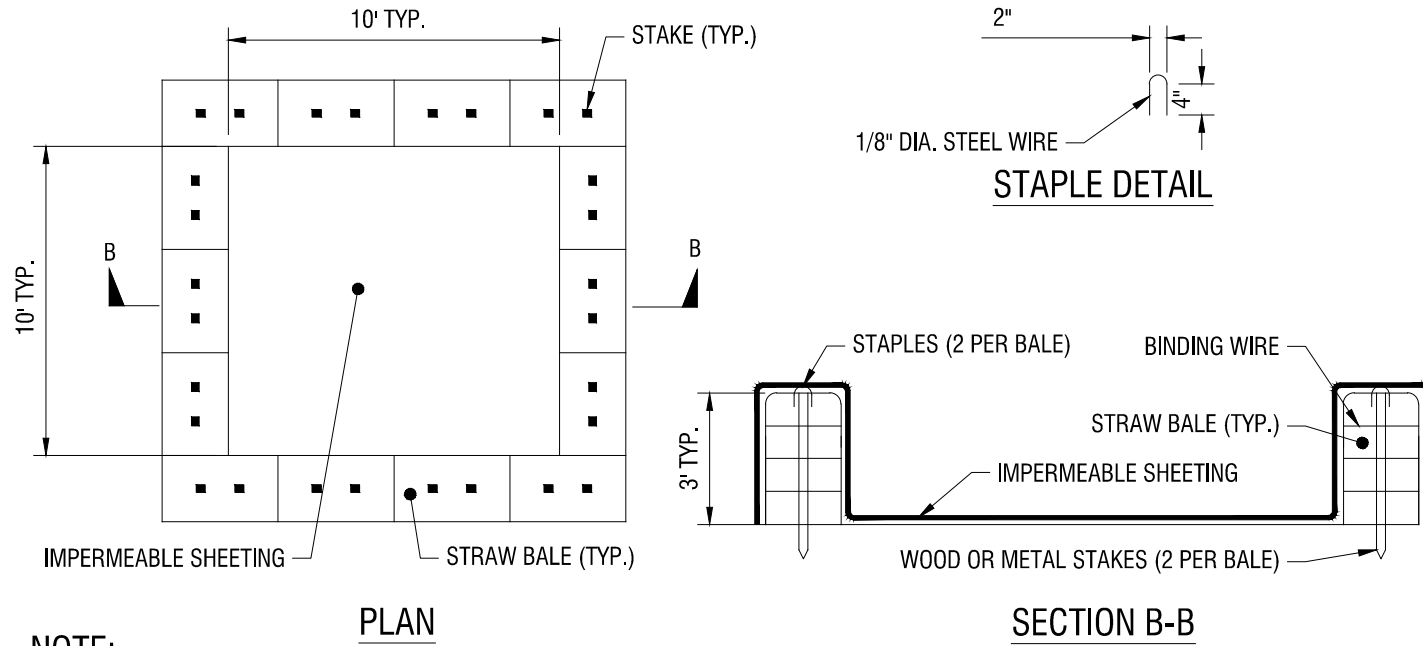


CONSTRUCTION SPECIFICATIONS:

1. STONE SIZE - USE 6 INCHES OF SUBBASE COURSE, NYSDOT CRUSHER RUN, TYPE 2 STONE OR APPROVED EQUAL.
2. THICKNESS - NOT LESS THAN SIX (6) INCHES.
3. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
4. A MOUNTABLE BERM SHALL BE PROVIDED ON THE UPHILL SIDE OF THE TEMPORARY STAGING AREA WITH 5:1 SLOPES.
5. MAINTENANCE - THE TEMPORARY LAYDOWN AREA SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS OF WAY MUST BE REMOVED IMMEDIATELY.
6. WHEN WASHING OF MATERIAL/EQUIPMENT IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
7. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT.
8. WHEN CONSTRUCTION IS COMPLETE, REMOVE STONE AND GEOTEXTILE. TILL A MINIMUM OF 12" IN ORDER TO RESTORE THE ORIGINAL PROPERTIES OF THE SOIL. INSTALL 6" OF TOPSOIL AND SEED AND MULCH WITH PERMANENT SEED MIXTURE. SEE SHEET C002 FOR ADDITIONAL RESTORATION INFORMATION.

TEMPORARY LAYDOWN YARD SECTION

NOT TO SCALE



NOTE:

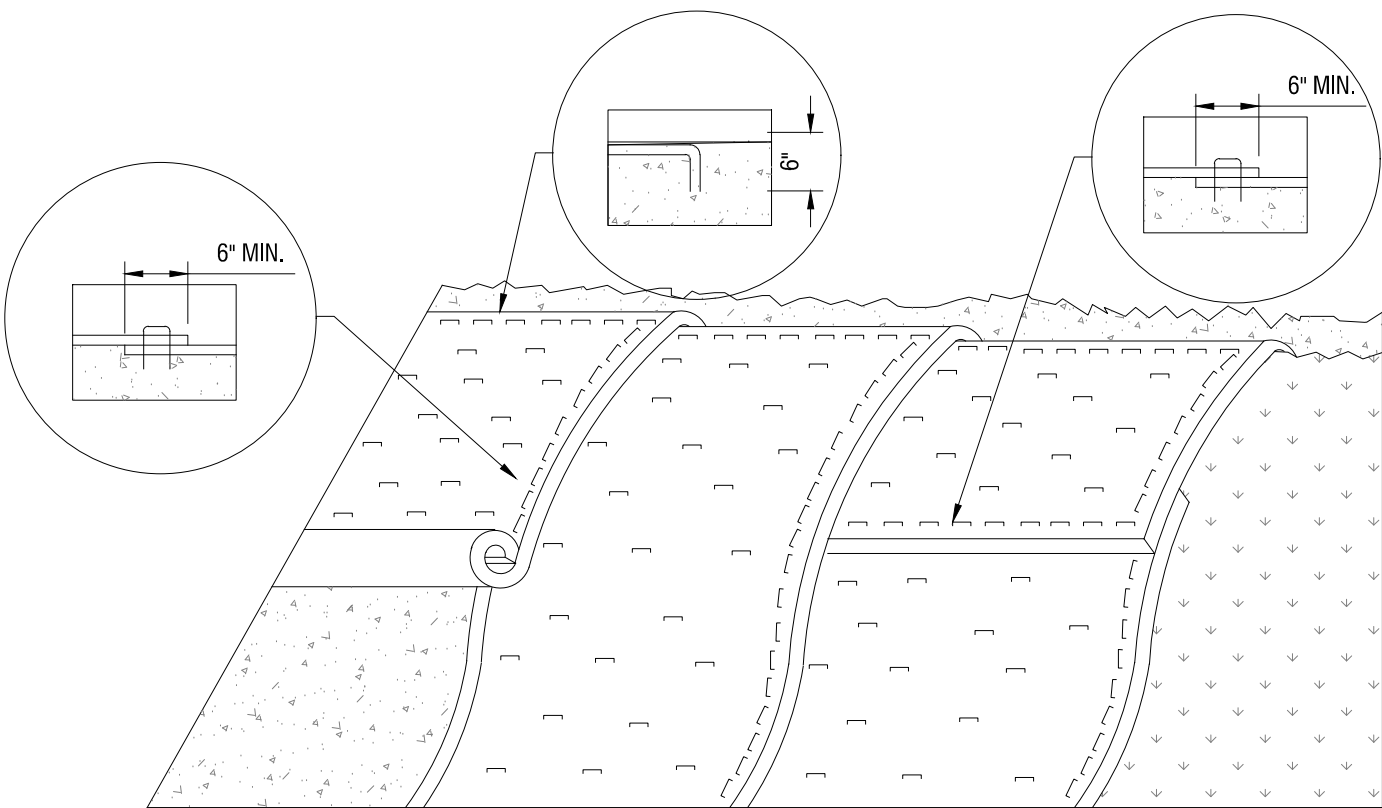
1. CAN BE TWO STACKED BALES OR PARTIALLY EXCAVATED TO REACH 3 FT DEPTH

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.



APPLICATION NOTES:

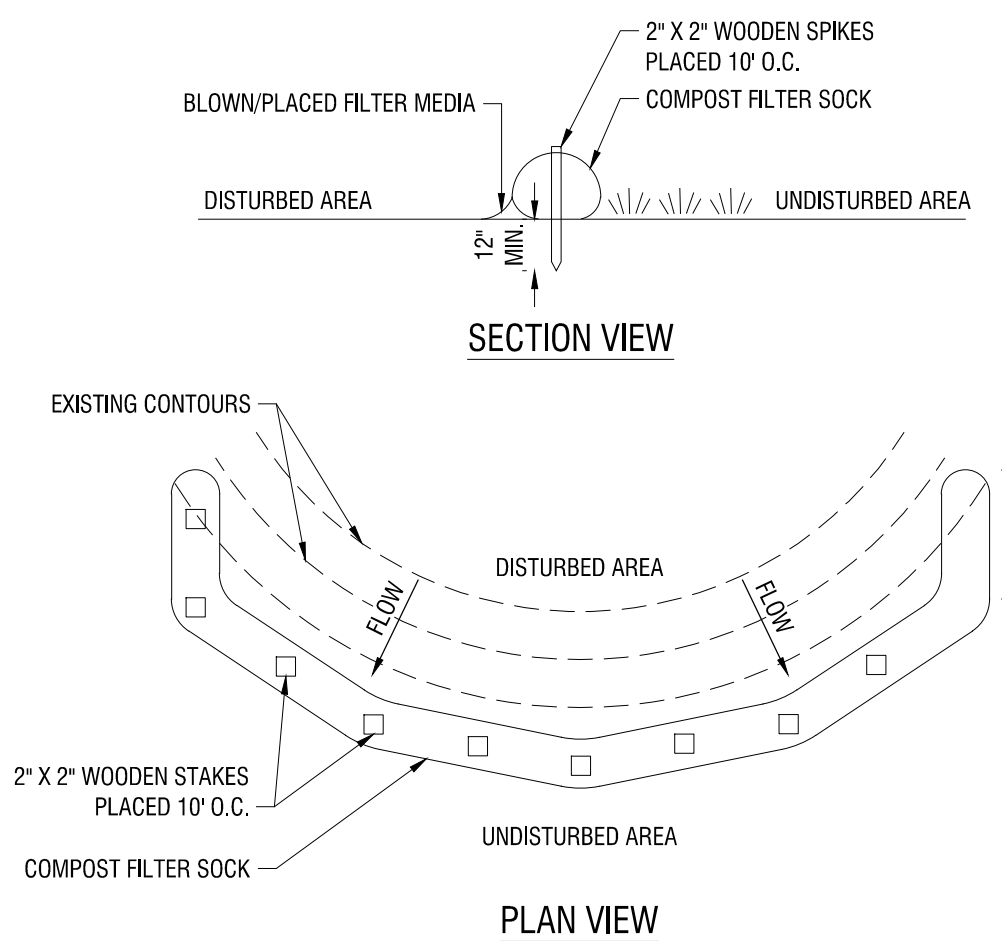
- A. THE PURPOSE OF EROSION MATTING ON SLOPES IS TO REDUCE EROSION AND AID THE ESTABLISHMENT OF VEGETATION.
- B. EROSION CONTROL MATTING SHALL BE USED FOR THE FOLLOWING REASONS:
  - \* SLOPES GREATER THAN 3H:1V OR WHERE ORDERED BY ENGINEER
  - \* AREAS WHERE SEED AND MULCH WILL NOT STAY IN PLACE ALONE
  - \* WHERE SEEDING IS OUTSIDE THE GROWING SEASON.

GENERAL NOTES:

1. GRADE AND SMOOTH THE SLOPE TO PROVIDE GOOD MATTING TO SOIL SURFACE CONTACT.
2. APPLY FERTILIZER, LIME, AND SEED PRIOR TO PLACING MATTING.
3. ANCHOR MATTING AS SHOWN, UTILIZING ANCHOR STAPLES. STAPLE PLACEMENT SHALL BE DETERMINED BY THE MANUFACTURERS INSTALLATION INSTRUCTIONS.
4. UNROLL EROSION MATTING VERTICALLY DOWN SLOPE IN THE DIRECTION OF WATER FLOW.
5. OVERLAP UPPER MATTING OVER LOWER MATTING AS SHOWN, AND AS DIRECTED BY MANUFACTURER.
6. OVERLAP ADJACENT MATTING AS SHOWN, AND AS DIRECTED BY MANUFACTURER.
7. CUT EXCESS MATTING AT END OF SLOPE AND ANCHOR THE END.
8. EROSION MATTING SHALL BE INSPECTED EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF A STORM EVENT OF 1/2" OR GREATER.
9. EROSION MATTING SHALL BE REPAIRED AND RESTAPLED AS NECESSARY TO ENSURE PROPER FUNCTION.

ROLLED EROSION CONTROL PRODUCT

N.T.S.



COMPOST FILTER SOCK

NYS DEC DETAIL: COMPOST FILTER SOCK

100 West Water Street, Suite 101  
Elmira, NY 14901  
607-734-8492

labellapc.com

NOT FOR CONSTRUCTION  
EXP: ##/##/20## EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:  
PROFESSIONAL ENGINEERING: 018281  
LAND SURVEYING: 017976  
GEOLOGICAL: 018750

It is a violation of New York Education Law Art. 145 Sec. 7209 & Art. 147 Sec. 7307, 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.

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CARSON POWER, LLC

110 WILLIAM STREET, 24TH FLOOR  
NEW YORK, NY 10038



NORTH CHELSEA SOLAR A

30 DUCK POND DRIVE  
WAPPINGERS FALLS, NY 12590

2	04/12/2024	30% REDESIGN SUBMISSION
1	03/21/2024	30% SUBMISSION
NO.	DATE:	DESCRIPTION:

Revisions

PROJECT NUMBER: 2232856.01

DRAWN BY:

REVIEWED BY:

ISSUED FOR:

REVIEW

DATE:

MAY 1, 2024

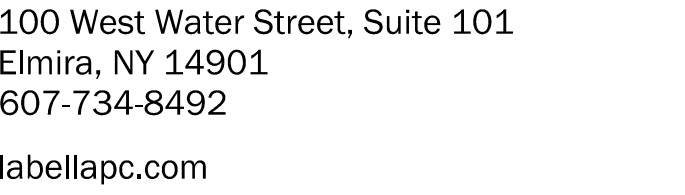
DRAWING NAME:

CONSTRUCTION DETAILS

DRAWING NUMBER:

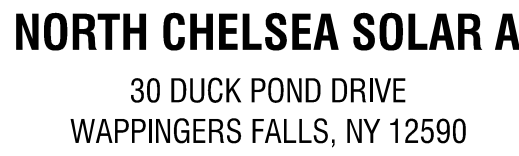
C501





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**CARSON POWER, LLC**  
110 WILLIAM STREET, 24TH FLOOR  
NEW YORK, NY 10038



PROJECT NUMBER: 2232856.01

DRAWN BY: \_\_\_\_\_

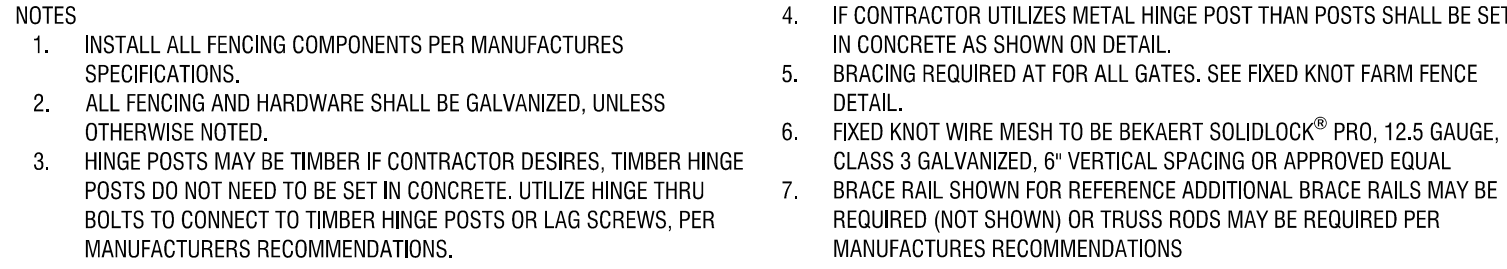
REVIEWED BY:

ISSUED FOR: REVIEW

DATE: MAY 1, 2024

DRAWING NAME: \_\_\_\_\_

# C502



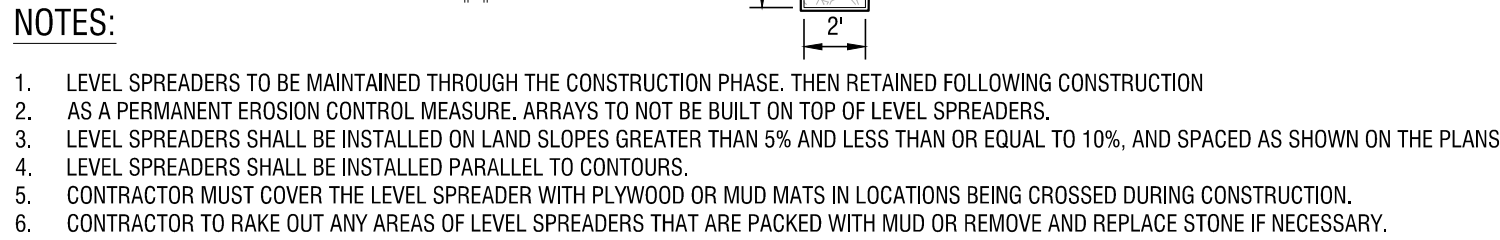
**NOTES**

1. INSTALL ALL FENCING COMPONENTS PER MANUFACTURER SPECIFICATIONS.
2. ALL FENCING AND HARDWARE SHALL BE GALVANIZED, UNLESS OTHERWISE NOTED.
3. ALL SQUARE POSTS TO BE MIN. 5"X5" NOMINAL SIZE OR ROUND WITH MIN. 5" OR 6" DIAMETER PRESSURE TREATED WOOD OR APPROVED EQUIV. PREFER POSTS TO HAVE A CHAMFERED TOP.
4. ALL LINE POST TO BE SET TO A MIN. DEPTH OF 4' BELOW GRADE. ALL CORNER, END OR GATE POSTS SHALL BE SET TO A MIN. DEPTH OF 6' BELOW GRADE, UNLESS OTHERWISE NOTED.
5. FIKED KNOT WIRE MESH TO BE BAKELIT SODOLK® PNO. 12.5 GAUGE, CLASS 3 GALVANIZED, 6" VERTICAL SPACING APPROX.
6. BRACING IS REQUIRED AT ALL CORNER, END, AND GATE POSTS. DOUBLE BRACING (TWO BRACE ASSEMBLIES IN A ROW) SHOULD BE USED FOR STRAIGHT RUNS OF FENCE EXCEEDING 1,000'. BRACING SHALL BE INSTALLED MID SPAN FOR STRAIGHT RUNS OF FENCE THAT EXCEED 1,320 FT. ADDITIONAL BRACING MAY BE STILL BE REQUIRED FOR UNEVEN TERRAIN, CORNERS, OR GATES. SHALL INSTALL ADDITIONAL BRACING AS NEEDED IF DEFLECTION IS NOTICED DURING TENSINKING.

NOTES		
1.	INSTALL ALL FENCING COMPONENTS PER MANUFACTURERS SPECIFICATIONS.	4. IF CONTRACTOR UTILIZES METAL HINGE POST THAN POSTS SHALL BE SET IN CONCRETE AS SHOWN ON DETAIL.
2.	ALL FENCING AND HARDWARE SHALL BE GALVANIZED, UNLESS OTHERWISE NOTED.	5. BRACING REQUIRED AT FOR ALL GATES. SEE FIXED KNOT FARM GATE DETAIL.
3.	HINGE POSTS MAY BE TIMBER IF CONTRACTOR DESIRES. TIMBER HINGE POSTS DO NOT NEED TO BE SET IN CONCRETE. USE HINGE HINGE THRU BOLTS TO CONNECT TO TIMBER HINGE POSTS OR LAG SCREWS, PER MANUFACTURERS RECOMMENDATIONS.	6. FIXED KNOT WIRE MESH TO BE BEKAERT SODOLICOCK® PHO, 12.5 GAUGE, CLASS 3 GALVANIZED, 6" VERTICAL SPACING OR APPROVED EQUAL.
		7. BRACE RAILED AND/OR TRUSS RAILS ARE NOT SHOWN, MAY BE REQUIRED PER MANUFACTURERS RECOMMENDATIONS

3 END SECTION  
C501 N.T.S.

4 STORM SEWER TRENCH AND PIPE BEDDING  
C502 N.T.S.



NOTES:	SECTION
1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.	
2. SET SPACING OF CHECK DAMS TO ASSURE THAT THE ELEVATION OF THE CREST OF THE DOWNSTREAM DAM IS THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.	
3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT OUTFLOW AROUND THE DAM.	
4. PROTECT THE CHANNEL, DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.	
5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BEHIND CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.	

**NOTES:**

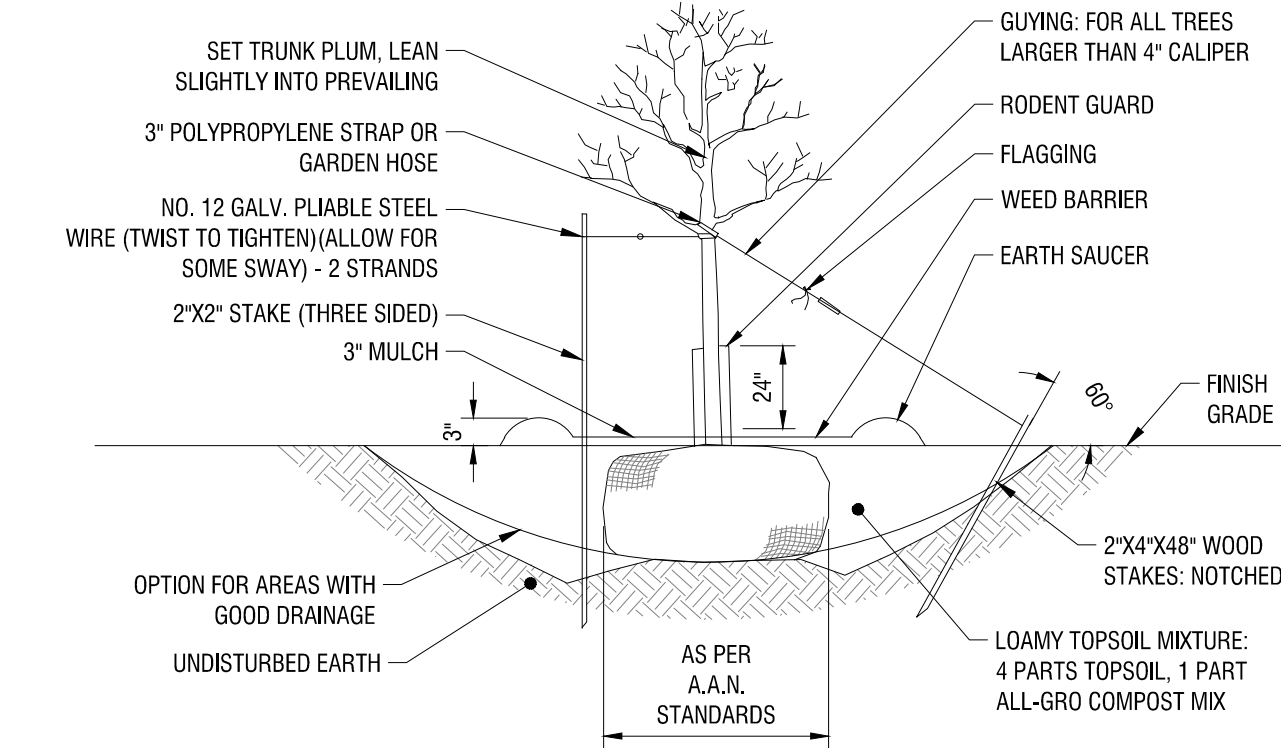
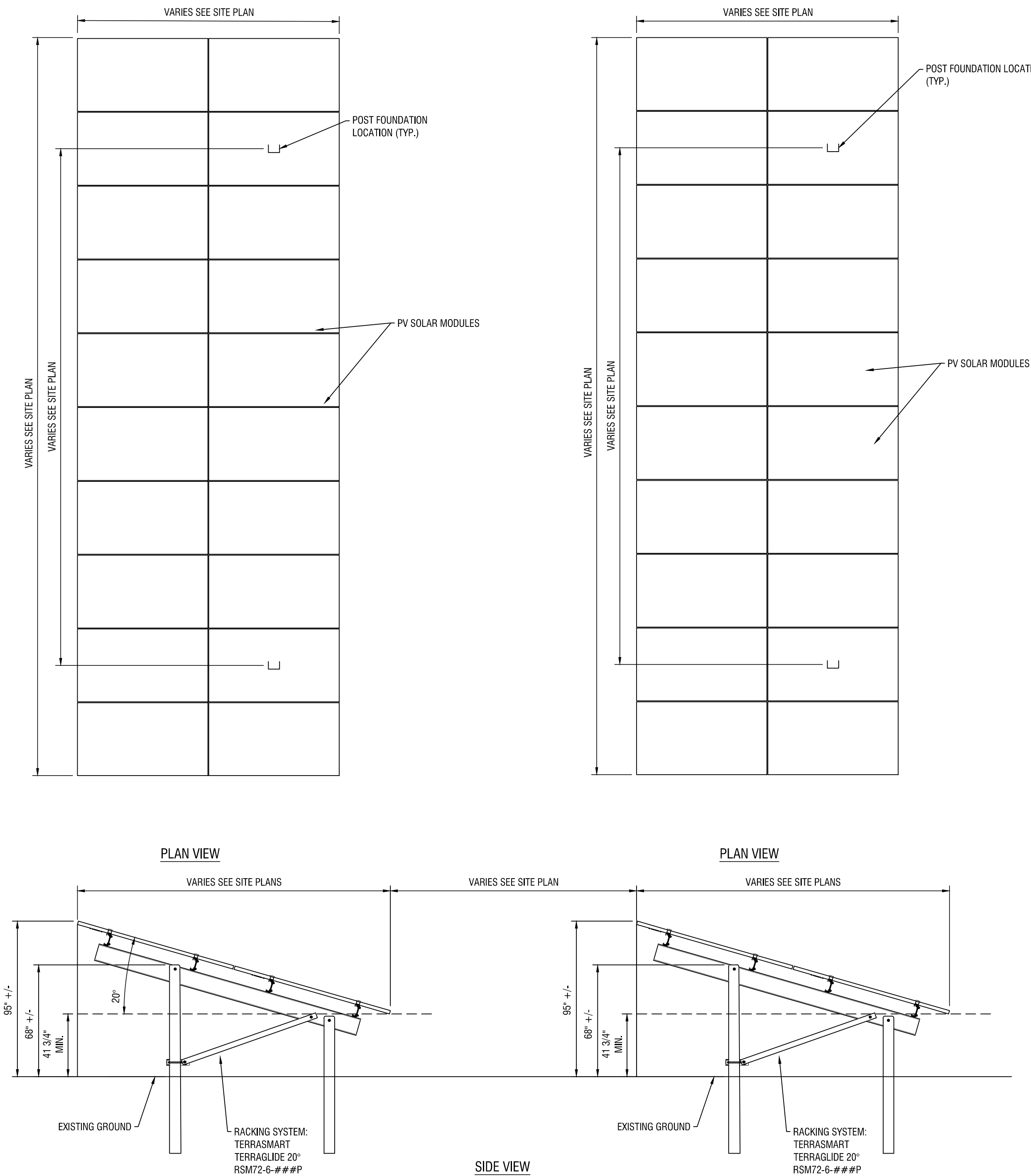
1. CONTRACTOR SHALL INSTALL FILTER MEDIA AFTER SITE HAS BEEN STABILIZED TO MINIMIZE POTENTIAL OF SEDIMENT CONTAMINATION OF MEDIA.
2. FILTER MEDIA SHALL BE LOAM-SAND MIX CONTAINING A MINIMUM OF 85% TO 88% COARSE-MEDIUM SAND BY VOLUME, 8% TO 12% SILT FINES, AND 3% TO 5% ORGANIC MATTER.
3. ORGANIC FILTER MEDIA SHALL MEET THE CRITERIA AS ABOVE WITH THE EXCEPTION OF CONTAINING 10% TO 12% ORGANIC MATTER.
4. FILTER MEDIA SHOULD FALL WITHIN USCS TYPES SM OR ML WITH PERMEABILITY OF AT LEAST 1.0 FEET PER DAY. SAND SHOULD BE FREE FROM STONES, STUMPS, ROOTS OR OTHER WOODY MATERIAL OVER 1" IN DIAMETER.
5. PLACEMENT OF THE FILTER MEDIA SHOULD BE IN LIFTS OF 12" TO 18", LOOSELY COMPACTED TO AT MOST 80% PROCTOR TEST, PH RANGE: 5.2 - 7.00.
6. FILTER FABRIC TO BE NON-WOVEN CLASS C, MINIRAP 180-IN OR APPROVED EQUIVALENT.
7. GRAVENEAL GRAVEL TO MEET ASTM M-48, 10-6/8", SIZE 8/25 TO 0.75"
8. WETLAND SEDM MIX SHALL BE USED AS INDICATED IN SPECIFICATIONS.
9. CONTRACTOR SHALL PROVIDE AT LEAST TWO PERMEABILITY TESTS FOR EACH FACILITY LOCATED AT OPPOSITE SIDES OF FACILITY.

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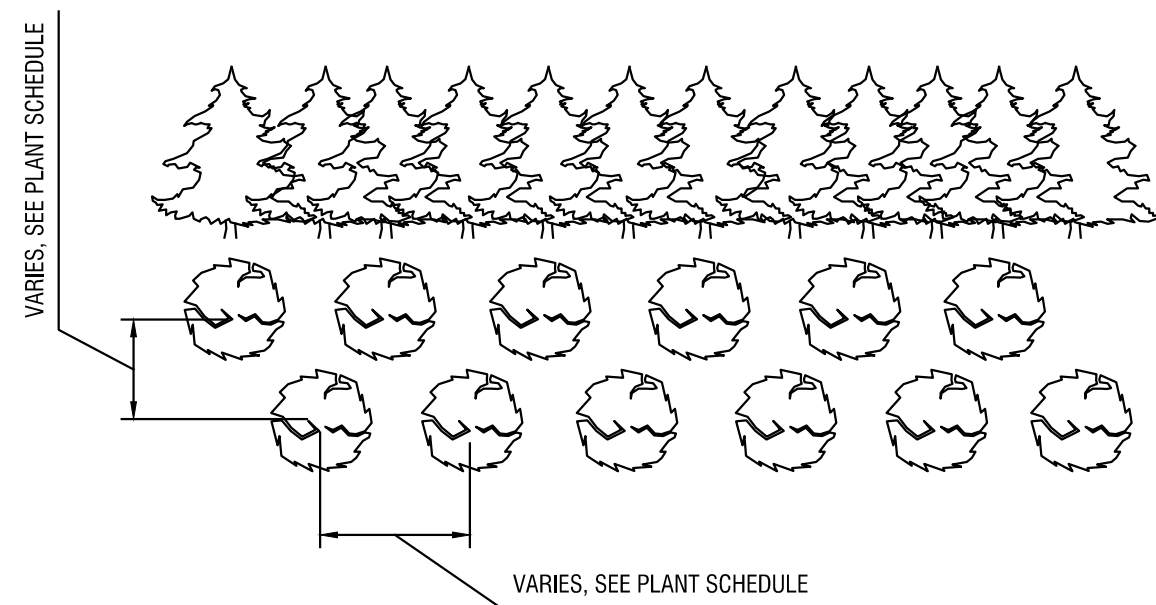


NOTES:  
1. DETAILS SHOWN ARE TYPICAL FOR PERMITTING PURPOSES ONLY AND MAY BE REPLACED BY EQUIVALENT ALTERNATIVES PRIOR TO ISSUANCE OF A BUILDING PERMIT.

1  
C503  
TYPICAL SITE LAYOUT  
N.T.S.



2  
C503  
TREE PLANTING  
N.T.S.



- NOTES:
- ALL TREES WILL BE BALLED AND BURLAPPED, WHICH ALLOWS THE TREES TO BE REPLANTED WITH THE ORIGINAL SOIL STILL CLINGING TO THE PLANT'S ROOTS AND REDUCE THE AMOUNT OF PLANT SHOCK DURING TRANSPLANTING. FURTHER, BASED ON CONVERSATIONS WITH LOCAL NURSERIES, ALL OF THESE SPECIES CAN BE SAFELY PRUNED AND TRIMMED WITHOUT THE RISK OF DAMAGING THE TREES.
  - INITIAL PLANTING:
    - THE TREES AND BUSHES WILL BE PLANTED EITHER EARLY TO MIDDLE OF SPRING OR EARLY TO MIDDLE OF FALL BECAUSE THESE SEASONAL TIMEFRAMES PROVIDE MODERATE TEMPERATURES AND NATURAL RAIN.
    - FOR THE FIRST TWO WEEKS, THE PLANTS WILL BE WATERED EVERY DAY, EITHER BY THE APPLICANT OR BY NATURE.
    - THE INITIAL PLANTINGS WILL BE MULCHED TO HOLD MOISTURE AROUND THE BASE, NEUTRALIZE THE TEMPERATURE, AND CONTRIBUTE ORGANIC MATTER THROUGH COMPOSTING.
    - FOR THE REMAINDER OF THE FIRST MONTH, THE PLANTS CAN BE WATERED ONE TO TWO TIMES PER WEEK.
  - FIRST YEAR:
    - TREES WILL BE PRUNED AND TRIMMED ANNUALLY AS NEEDED TO MAINTAIN HEIGHT.
  - LONG-TERM MAINTENANCE:
    - SEMI-ANNUAL VISUAL INSPECTIONS OF THE TREES. TREES WILL BE PRUNED AND TRIMMED ANNUALLY TO MAINTAIN A HEIGHT OF MAXIMUM 26 FT, WHICH WILL PROVIDE ADEQUATE SCREENING AND PREVENT SHADING ON THE SOLAR PANELS. ADDITIONAL PRUNING WILL BE PERFORMED AS NEEDED TO MAINTAIN HEIGHT. PRUNING AND TRIMMING WILL BE PLANNED FOR EARLY TO MIDDLE OF SUMMER FOLLOWING THE SPRING TREE GROWTH.
    - NATURAL VEGETATIVE SCREENING AS SHOWN ON THE SITE PLAN WILL BE MAINTAINED SIMILARLY AND REPLACED IN THE CASE OF FAILURE, IF FAILURE IS A RESULT OF TRIMMING AND RESULTS IN ADVERSE VISUAL IMPACTS.

3  
C503  
VEGETATIVE BARRIER DETAIL  
N.T.S.

NOT FOR CONSTRUCTION  
EXP: ##/##/20## EXP: ##/##/20##

CERTIFICATE OF AUTHORIZATION NUMBER:  
PROFESSIONAL ENGINEERING: 018281  
LAND SURVEYING: 017976  
GEOLOGICAL: 018750

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NEW YORK, NY 10038



NORTH CHELSEA SOLAR A  
30 DUCK POND DRIVE  
WAPPINGERS FALLS, NY 12590

2	04/12/2024	30% REDESIGN SUBMISSION
1	03/21/2024	30% SUBMISSION
NO.	DATE:	DESCRIPTION:

Revisions

PROJECT NUMBER: 2232856.01

DRAWN BY:

REVIEWED BY:

ISSUED FOR:

REVIEW

DATE:

MAY 1, 2024

DRAWING NAME:

CONSTRUCTION DETAILS

DRAWING NUMBER:

C503





CERTIFICATE OF AUTHORIZATION NUMBER:  
PROFESSIONAL ENGINEERING: 018281  
LAND SURVEYING: 017976  
GEOLOGICAL: 018750

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NEW YORK, NY 10038



## NORTH CHelsea SOLAR A

30 DUCK POND DRIVE  
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NO.	DATE:	DESCRIPTION:

Revisions

PROJECT NUMBER: 2232856.01

DRAWN BY:

REVIEWED BY:

ISSUED FOR:

REVIEW

DATE:

MAY 1, 2024

DRAWING NAME:

## CONSTRUCTION DETAILS

DRAWING NUMBER:

C504

### GENERAL NOTES:

- USE OF THIS DETAIL/CRITERION IS LIMITED TO ACCESS ROADS USED ON AN OCCASIONAL BASIS ONLY (I.E. PROVIDE ACCESS FOR MOWING, EQUIPMENT REPAIR OR MAINTENANCE, ETC.).
- LIMITED USE PERVIOUS ACCESS ROAD IS LIMITED TO LOW IMPACT IRREGULAR MAINTENANCE ACCESS ASSOCIATED WITH RENEWABLE ENERGY PROJECTS IN NEW YORK STATE.
- REMOVE STUMPS, ROCKS AND DEBRIS AS NECESSARY. FILL VOIDS TO MATCH EXISTING NATIVE SOILS AND COMPACTION LEVEL.
- REMOVED TOPSOIL MAY BE SPREAD IN ADJACENT AREAS AS DIRECTED BY THE PROJECT ENGINEER. COMPACT TO THE DEGREE OF THE NATIVE INSITU SOIL. DO NOT PLACE IN AN AREA THAT IMPEDES STORMWATER DRAINAGE.
- GRADE ROADWAY, WHERE NECESSARY, TO NATIVE SOIL AND DESIRED ELEVATION. MINOR GRADING FOR CROSS SLOPE CUT AND FILL MAY BE REQUIRED.
- REMOVE REFUSE SOILS AS DIRECTED BY THE PROJECT ENGINEER. DO NOT PLACE IN AN AREA THAT IMPEDES STORMWATER DRAINAGE.
- ROADWAY WIDTH TO BE DETERMINED BY CLIENT.
- THE LIMITED USE PERVIOUS ACCESS ROAD CROSS SLOPE SHALL BE 2% IN MOST CASES AND SHOULD NOT EXCEED 6%. THE LONGITUDINAL SLOPE OF THE ACCESS DRIVE SHOULD NOT EXCEED 15%.
- LIMITED USE PERVIOUS ACCESS ROAD IS NOT INTENDED TO BE UTILIZED FOR CONSTRUCTION WHICH MAY SUBJECT THE ACCESS TO SEDIMENT TRACKING. THIS SPECIFICATION IS TO BE DEVELOPED FOR POST-CONSTRUCTION USE. SOIL RESTORATION PRACTICES MAY BE APPLICABLE TO RESTORE CONSTRUCTION RELATED COMPACTION TO PRE-EXISTING CONDITIONS AND SHOULD BE VERIFIED BY SOIL PENETROMETER READINGS. THE PENETROMETER READINGS SHALL BE COMPARED TO THE RESPECTIVE RECORDED READINGS TAKEN PRIOR TO CONSTRUCTION, EVERY 100 LINEAR FEET ALONG THE PROPOSED ROADWAY.
- TO ENSURE THAT SOIL IS NOT TRACKED ONTO THE LIMITED USE PERVIOUS ACCESS ROAD, IT SHALL NOT BE USED BY CONSTRUCTION VEHICLES TRANSPORTING SOIL, FILL MATERIAL, ETC. IF THE LIMITED USE PERVIOUS ACCESS IS COMPLETED DURING THE INITIAL PHASES OF CONSTRUCTION, A STANDARD NEW YORK STATE STABILIZED CONSTRUCTION ACCESS SHALL BE CONSTRUCTED AND UTILIZED TO REMOVE SEDIMENT FROM CONSTRUCTION VEHICLES AND EQUIPMENT PRIOR TO ENTERING THE LIMITED USE PERVIOUS ACCESS ROAD FROM ANY LOCATION ON, OR OFF SITE. MAINTENANCE OF THE PERVIOUS ACCESS ROAD WILL BE REQUIRED IF SEDIMENT IS OBSERVED WITHIN THE CLEAN STONE.
- THE LIMITED USE PERVIOUS ACCESS ROAD SHALL NOT BE CONSTRUCTED OR USED UNTIL ALL AREAS SUBJECT TO RUNOFF ONTO THE PERVIOUS ACCESS HAVE ACHIEVED FINAL STABILIZATION.
- PROJECTS SHOULD AVOID INSTALLATION OF THE LIMITED USE PERVIOUS ACCESS ROAD IN POORLY DRAINED AREAS, HOWEVER IF NO ALTERNATIVE LOCATION IS AVAILABLE, THE PROJECT SHALL UTILIZE WOVEN GEOTEXTILE MATERIAL AS DETAILED IN FOLLOWING NOTES.
- THE DRAINAGE DITCH IS OFFERED IN THE DETAIL FOR CIRCUMSTANCES WHEN CONCENTRATED FLOW COULD NOT BE AVOIDED. THE INTENTION OF THIS DESIGN IS TO MINIMIZE ALTERATIONS TO HYDROLOGY, HOWEVER WHEN DEALING WITH 5%-15% GRADES NOT PARALLEL TO THE CONTOUR, A ROADSIDE DITCH MAY BE REQUIRED. THE NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROLS FOR GRASSED WATERWAYS AND VEGETATED WATERWAYS ARE APPLICABLE FOR SIZING AND STABILIZATION. DIMENSIONS FOR THE GRASSED WATERWAY SPECIFICATION WOULD BE DESIGNED FOR PROJECT SPECIFIC HYDROLOGIC RUNOFF CALCULATIONS, AND A SEPARATE DETAIL FOR THE SPECIFIC GRASSED WATERWAY WOULD BE INCLUDED IN THIS PRACTICE. RUNOFF DISCHARGES WILL BE SUBJECT TO THE OUTLET REQUIREMENTS OF THE REFERENCED STANDARD. INCREASED POST-DEVELOPMENT RUNOFF FROM THE ASSOCIATED ROADSIDE DITCH MAY REQUIRE ADDITIONAL PRACTICES TO ATTENUATE RUNOFF TO PRE-DEVELOPMENT CONDITIONS.
- IF A ROADSIDE DITCH IS NOT UTILIZED TO CAPTURE RUNOFF FROM THE ACCESS ROAD, THE PERVIOUS ACCESS ROAD WILL HAVE A WELL-ESTABLISHED PERENNIAL VEGETATIVE COVER, WHICH SHALL CONSIST OF UNIFORM VEGETATION (I.E. BUFFER), 20 FEET WIDE AND PARALLEL TO THE DOWN GRADIENT SIDE OF THE ACCESS ROAD. POST-CONSTRUCTION OPERATION AND MAINTENANCE PRACTICES WILL MAINTAIN THIS VEGETATIVE COVER TO ENSURE FINAL STABILIZATION FOR THE LIFE OF THE ACCESS ROAD.
- THE DESIGN PROFESSIONAL MUST ACCOUNT FOR THE LIMITED USE PERVIOUS ACCESS ROAD IN THEIR SITE ASSESSMENT/HYDROLOGY ANALYSIS. IF THE HYDROLOGY ANALYSIS SHOWS THAT THE HYDROLOGY HAS BEEN ALTERED FROM PRE- TO POST-DEVELOPMENT CONDITIONS (SEE APPENDIX A OF GP-0-15-002 FOR THE DEFINITION OF "ALTER THE HYDROLOGY..."), THE DESIGN MUST INCLUDE THE NECESSARY DETENTION/RETENTION PRACTICES TO ATTENUATE THE RATES (10 AND 100 YEAR EVENTS) TO PRE-DEVELOPMENT CONDITIONS.

### GEOGRID MATERIAL NOTES:

- THE GEOGRID, OR COMPARABLE PRODUCT, IS INTENDED FOR USE FOR ALL CONDITIONS, IN ORDER TO ASSIST IN MATERIAL SEPARATION FROM NATIVE SOILS AND PRESERVE ACCESS LOADS.
- GRAVEL FILL MATERIAL SHALL CONSIST OF 1-4" CLEAN, DURABLE, SHARP-ANGLED CRUSHED STONE OF UNIFORM QUALITY, MEETING THE SPECIFICATIONS OF NYSDOT ITEM 703-02, SIZE DESIGNATION 3-5 OF TABLE 703-4. STONE MAY BE PLACED IN FRONT OF, AND SPREAD WITH, A TRACKED VEHICLE. GRAVEL SHALL NOT BE COMPACTED.
- GEOGRID SHALL BE MIRAFI BXG110 OR APPROVED EQUAL. GEOGRID SHALL BE DESIGNED BASED ON EXISTING SOIL CONDITIONS AND PROPOSED HAUL ROAD SLOPES.
- IF MORE THAN ONE ROLL WIDTH IS REQUIRED, ROLLS SHOULD OVERLAP A MINIMUM OF SIX INCHES.
- REFER TO MANUFACTURER'S SPECIFICATION FOR PROPER TYING AND CONNECTIONS.
- LIMITED USE PERVIOUS ACCESS ROAD SHALL BE TOP DRESSED AS REQUIRED WITH ONLY 1-4" CRUSHED STONE MEETING NYSDOT ITEM 703-02 SPECIFICATIONS.

BASIS OF DESIGN: TENCATE MIRAFI BXG110 GEOGRIDS; 365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA; 800-685-9990 OR 706-693-2226; WWW.MIRAFI.COM

### GEOWEB MATERIAL NOTES:

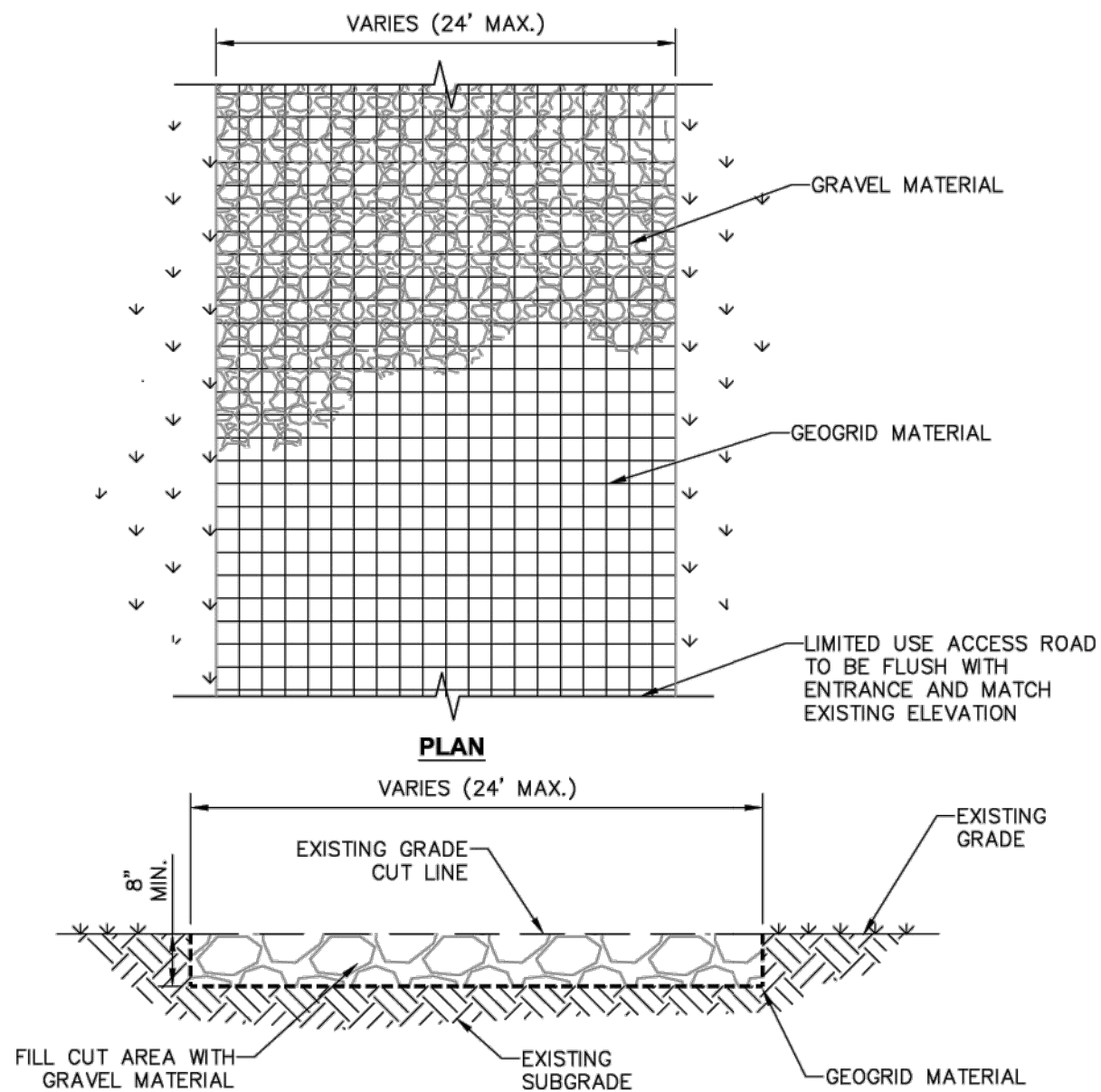
- THE GEOWEB, OR COMPARABLE PRODUCT, IS SUGGESTED FOR USE ON ROAD PROFILES EXCEEDING 10%. THE GEOWEB PRODUCT IS INTENDED TO LIMIT SHIFTING STONE MATERIAL DURING USE.
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- WHERE REQUIRED, A NATIVE SOIL WEDGE SHALL BE PLACED TO ACCOMMODATE ROAD CROSS SLOPE OF 2%. NATIVE SOIL SHALL BE COMPACTED TO MATCH EXISTING SOIL CONDITIONS.
- GRAVEL FILL MATERIAL SHALL CONSIST OF 1-4" CLEAN, DURABLE, SHARP-ANGLED CRUSHED STONE OF UNIFORM QUALITY, MEETING THE SPECIFICATIONS OF NYSDOT ITEM 703-02, SIZE DESIGNATION 3-5 OF TABLE 703-4. STONE MAY BE PLACED IN FRONT OF, AND SPREAD WITH, A TRACKED VEHICLE. GRAVEL SHALL NOT BE COMPACTED.
- GEOWEB SYSTEM SHALL BE PRESTO GEOSYSTEM GEOWEB OR APPROVED EQUAL. GEOWEB SHALL BE DESIGNED BASED ON EXISTING SOIL CONDITIONS AND PROPOSED HAUL ROAD SLOPES.
- LIMITED USE PERVIOUS ACCESS ROAD SHALL BE TOP DRESSED AS REQUIRED WITH ONLY 1-4" CRUSHED STONE, SIZE 3A, MEETING NYSDOT ITEM 703-02 SPECIFICATIONS.
- THE TOP EDGES OF ADJACENT CELL WALLS SHALL BE FLUSH WHEN CONNECTING. ALIGN THE I-SLOTS FOR INTERLEAF AND END TO END CONNECTIONS. THE GEOWEB PANELS SHALL BE CONNECTED WITH ATRA KEYS AT EACH INTERLEAF AND END TO END CONNECTIONS. REFER TO MANUFACTURER'S SPECIFICATION FOR PROPER INSTALLATION, TYING AND CONNECTIONS.

BASIS OF DESIGN: PRESTO GEOSYSTEMS GEOWEB; 670 NORTH PERKINS STREET, APPLETON, WI; 800-548-3424 OR 920-738-1222; INFO@PRESTOGE.COM; WWW.PRESTOGE.COM

### WOVEN GEOTEXTILE MATERIAL NOTES:

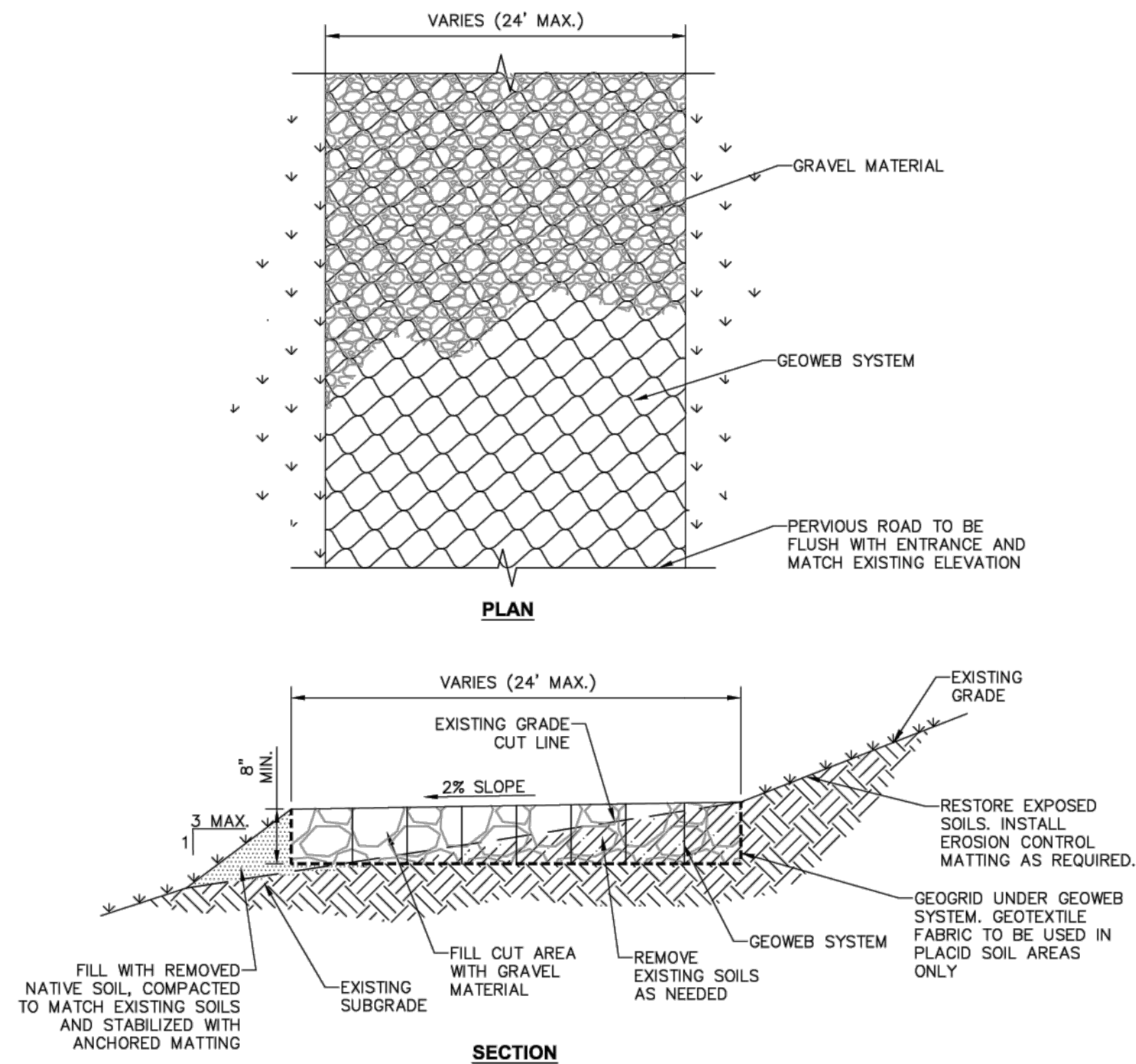
- SPECIFIED GEOTEXTILE WILL ONLY BE UTILIZED IN PLACID SOILS. PLACID SOILS CONSIST OF POORLY DRAINED SOILS COMPOSED OF FINELY TEXTURED PARTICLES AND ARE PRONE TO RUTTING. PLACID SOILS ARE TYPICALLY PRESENT IN LOW-LYING AREAS WITH HYDROLOGIC SOILS GROUP (HSG) OF C OR D, OR AS SPOCIFIED FROM AN ENVIRONMENTAL SCIENTIST, SOIL SCIENTIST, OR GEOTECHNICAL DATA.
- THE CONCERN FOR POTENTIAL REDUCTION OF NATIVE INFILTRATION RATES DUE TO THE GEOTEXTILE MATERIAL WOULD NOT BE A SIGNIFICANT CONCERN IN POORLY DRAINED SOILS WHERE SEGREGATION OF PERVIOUS STONE AND NATIVE MATERIALS IS CRUCIAL FOR LONG TERM OPERATION AND MAINTENANCE.

BASIS OF DESIGN: TENCATE MIRAFI RSI-SERIES WOVEN GEOSYNTHETICS; 365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA; 800-685-9990 OR 706-693-2226; WWW.MIRAFI.COM



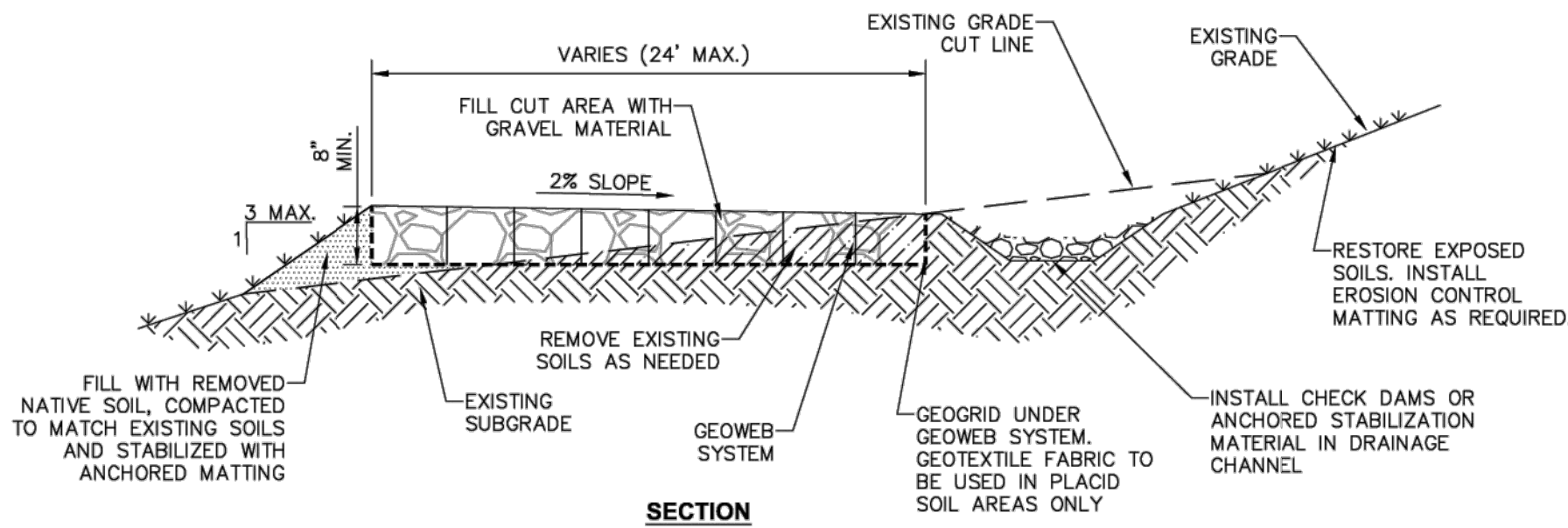
## 1 LIMITED USE PERVIOUS ACCESS ROAD - 0% TO 10% SLOPES

SCALE: N.T.S.



## 3 LIMITED USE PERVIOUS ACCESS ROAD - 10% AND GREATER SLOPES

SCALE: N.T.S.

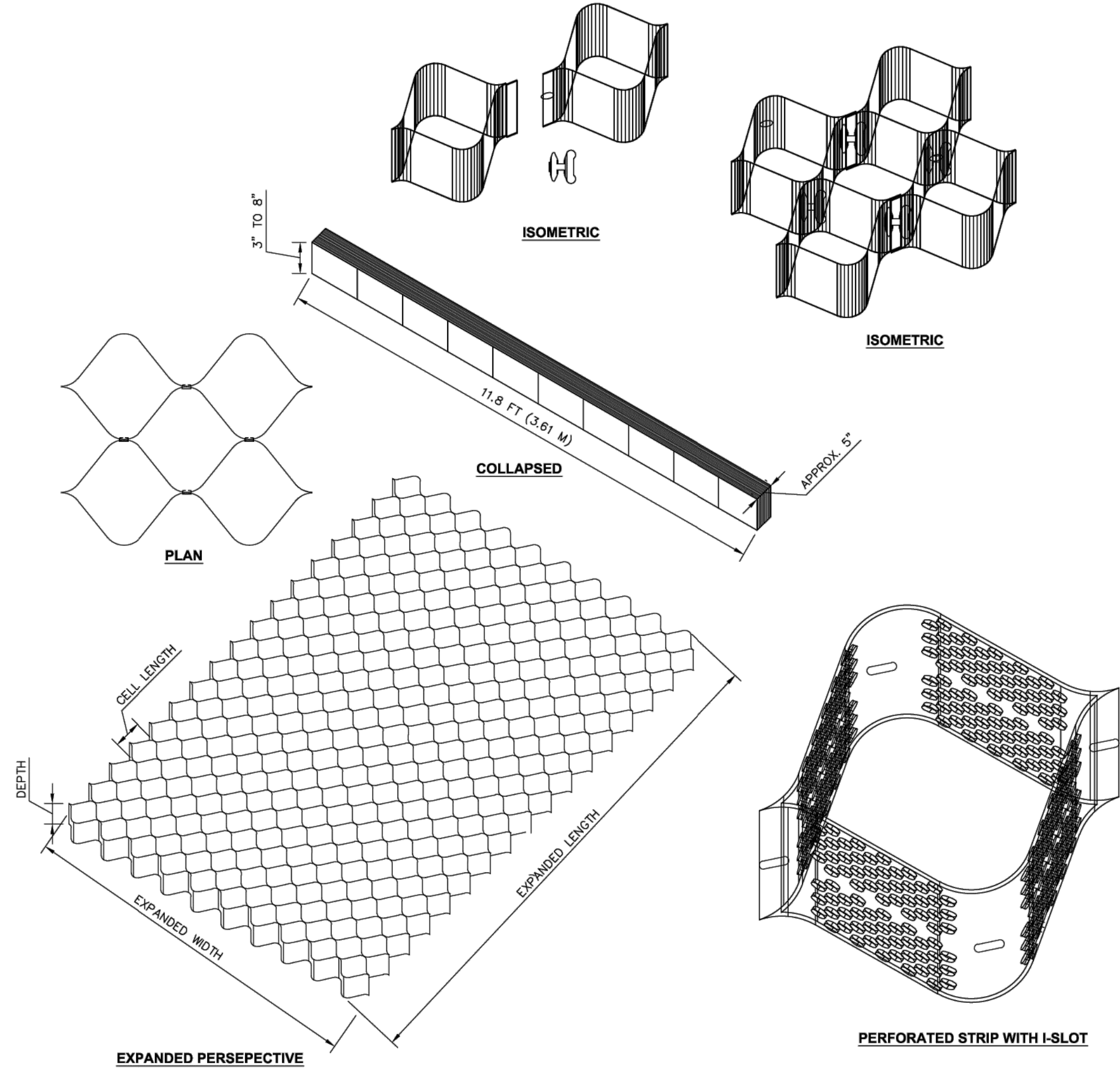


### NOTE:

- THE ROADSIDE DITCH SHALL BE DESIGNED IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROLS FOR GRASSED AND VEGETATED WATERWAYS. ADDITIONAL DETAILS WILL BE PROVIDED SPECIFIC TO THE SITE DESIGN.

## 2 LIMITED USE PERVIOUS ACCESS ROAD - 10% AND GREATER SLOPES WITH DITCH

SCALE: N.T.S.



## 4 GEOWEB SYSTEM

SCALE: N.T.S.