

SITE LOCATION MAP
SCALE: 1" = 2000'

PROPOSED SITE PLAN FOR HAWTHORN SOLAR FARM

APPLICANT/OWNER:
HAWTHORN SOLAR, LLC
FORDS ROAD & PINE VALLEY ROAD
TOWN OF HOOSICK, RENNELAER COUNTY, NEW YORK
MARCH 22, 2023

SITE STATISTICS

EXISTING ZONING	AGRICULTURAL/RESIDENTIAL	
PARCEL ID & AREA		
36.-1-11.1	138.80± ACRES	
36.-1-9.2	139.25± ACRES	
36.-1-10.1	153.13± ACRES	
TOTAL:	431.18± ACRES	
MAXIMUM SOLAR COLLECTOR HEIGHT PERMITTED BY ZONING	35 FT	
MAXIMUM PROPOSED SOLAR COLLECTOR HEIGHT	20 FT	
IMPERVIOUS AREA	4.60± AC	
REQUIRED BUILDING SETBACK		
FRONT YARD	50 FT	
SIDE YARD	20 FT	
REAR YARD	10 FT	
PROPOSED SOLAR PANEL SETBACK (FROM THE OVERALL PROJECT LIMITS, DOES NOT ACCOUNT FOR INTERNAL PARCEL SETBACKS WITHIN PROJECT AREA)		
FRONT YARD	54 FT	
SIDE YARD	66 FT	
REAR YARD	40 FT	
PROPOSED FENCED AREA & % COVERAGE OF PARCEL		
36.-1-11.1	41.10± ACRES	30.0% COVERAGE
36.-1-9.2	42.35± ACRES	30.3% COVERAGE
36.-1-10.1	39.73± ACRES	22.7% COVERAGE
TOTAL FENCED	123.18± ACRES	
SCHOOL DISTRICT	HOOSICK FALLS CENTRAL SCHOOL DISTRICT	
FIRE DISTRICT	WEST HOOSICK FIRE DEPARTMENT, HOOSICK FALLS VOLUNTEER FIRE DEPARTMENT, HOOSICK VOLUNTEER FIRE DEPARTMENT, NORTH HOOSICK VOLUNTEER FIRE DEPARTMENT, TOWN OF HOOSICK RESCUE SQUAD	
GROUND DISTURBANCE	135± ACRES	
AGRICULTURAL DISTRICT	RENS003	
ACCESS ROAD LENGTH	9,200± LF	
STORMWATER MANAGEMENT	ONSITE	
TREE REMOVAL:		
TREE CLEARING (STUMPS TO REMAIN):	10.66± ACRES	
TREE CLEARING AND GRUBBING:	17.12± ACRES	
TOTAL:	27.78± ACRES	
WETLAND DISTURBANCE:	NONE	
MAXIMUM ALLOWED COVERAGE OF PRIME FARMLAND AND FARMLAND OF STATEWIDE IMPORTANCE ON SITE: 50%		
PROPOSED COVERAGE OF PRIME FARMLAND AND FARMLAND OF STATEWIDE IMPORTANCE ON SITE*		



Sheet List Table	
Sheet Number	Sheet Title
C-100	COVER SHEET
C-101	NOTES AND LEGEND
C-200	EXISTING CONDITIONS
C-201	REMOVALS PLAN
C-300	OVERALL EROSION, LAYOUT, AND MATERIALS PLAN
C-301	EROSION, LAYOUT, AND MATERIALS PLAN
C-302	EROSION, LAYOUT, AND MATERIALS PLAN
C-303	EROSION, LAYOUT, AND MATERIALS PLAN
C-304	EROSION, LAYOUT, AND MATERIALS PLAN
C-305	EROSION, LAYOUT, AND MATERIALS PLAN
C-306	EROSION, LAYOUT, AND MATERIALS PLAN
C-307	EROSION, LAYOUT, AND MATERIALS PLAN
C-308	EROSION, LAYOUT, AND MATERIALS PLAN
C-309	EROSION, LAYOUT, AND MATERIALS PLAN
C-310	EROSION, LAYOUT, AND MATERIALS PLAN
C-311	EROSION, LAYOUT, AND MATERIALS PLAN
C-400	OVERALL DRAINAGE AND GRADING PLAN
C-401	DRAINAGE AND GRADING PLAN
C-402	DRAINAGE AND GRADING PLAN
C-403	DRAINAGE AND GRADING PLAN
C-404	DRAINAGE AND GRADING PLAN
C-405	DRAINAGE AND GRADING PLAN
C-406	DRAINAGE AND GRADING PLAN
C-407	DRAINAGE AND GRADING PLAN
C-408	DRAINAGE AND GRADING PLAN
C-409	DRAINAGE AND GRADING PLAN
C-410	DRAINAGE AND GRADING PLAN
C-411	DRAINAGE AND GRADING PLAN
C-500	SITE DETAILS
C-501	SITE DETAILS
C-502	SITE DETAILS
C-503	SITE DETAILS
L-100	OVERALL PLANTING PLAN
L-101	PLANTING PLAN
L-102	PLANTING PLAN
L-103	PLANTING PLAN
L-104	PLANTING PLAN
L-105	PLANTING PLAN

TAX PARCEL ID	PARCEL SIZE (ACRES)	PRIME FARM SOILS ON PARCEL (ACREAGE)	SOILS OF STATEWIDE IMPORTANCE ON PARCEL (ACREAGE)	SOILS OF STATEWIDE IMPORTANCE WITHIN FENCED AREA ON PARCEL (ACREAGE)	PRIME FARM SOILS ON PARCEL WITHIN FENCED AREA (ACREAGE)	COMBINED FENCED AREA OVER PRIME FARM SOILS/SOILS OF STATEWIDE IMPORTANCE (ACREAGE)	% FENCED AREA COVERAGE OVER FARMLAND
36.-1-11.1	138.8	57.79	39.28	14.51	24.69	39.20	40.38%
36.-1-9.2	139.25	11.57	14.03	6.63	5.99	12.62	49.30%
36.-1-10.1	153.13	21.84	35.42	12.92	7.45	20.37	35.58%
TOTAL	431.18	91.19	88.72	34.06	38.13	72.19	40.12%

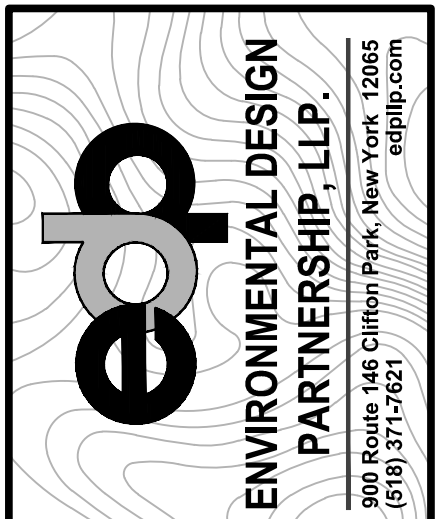
*COVERAGE STATISTICS INCLUDE ANY PRIME FARMLAND AND FARMLAND OF STATEWIDE IMPORTANCE BENEATH TRANSFORMER PAD AND ROADWAY AREAS OUTSIDE OF FENCED AREAS.

TOWN OF HOOSICK ZONING BOARD

RECORD OF SUBMITTALS	DATE	BY

PLANS PREPARED BY:

ENVIRONMENTAL DESIGN PARTNERSHIP, LLP.
909 Route 148 Clifton Park, New York 12065
(518) 271-7021 edp@edp.com



TAX MAP No. 36-1-11.1, 36-1-9.2, 36-1-10.1
MARCH 22, 2023

PROPOSED SITE PLAN FOR
HAWTHORN SOLAR FARM
HAWTHORN SOLAR, LLC
FORDS ROAD & PINE VALLEY ROAD
TOWN OF HOOSICK
RENSELAER COUNTY, NEW YORK

DESIGNED BY	EDP
CHECKED BY	EDP
DATE	3/22/23
PROJECT NUMBER	13651

REVISION	DATE	BY

SCALE:
AS NOTED

NOT FOR CONSTRUCTION

SHEET TITLE:
COVER SHEET
SHEET:
C-100

NO.	DATE	BY	REVISION
1	3/21/23	NS	ISSUED FOR PERMIT
2	5/16/23	NS	REVISIONS PER CLIENT COMMENT
3	5/16/23	NS	REVISIONS PER CLIENT COMMENT

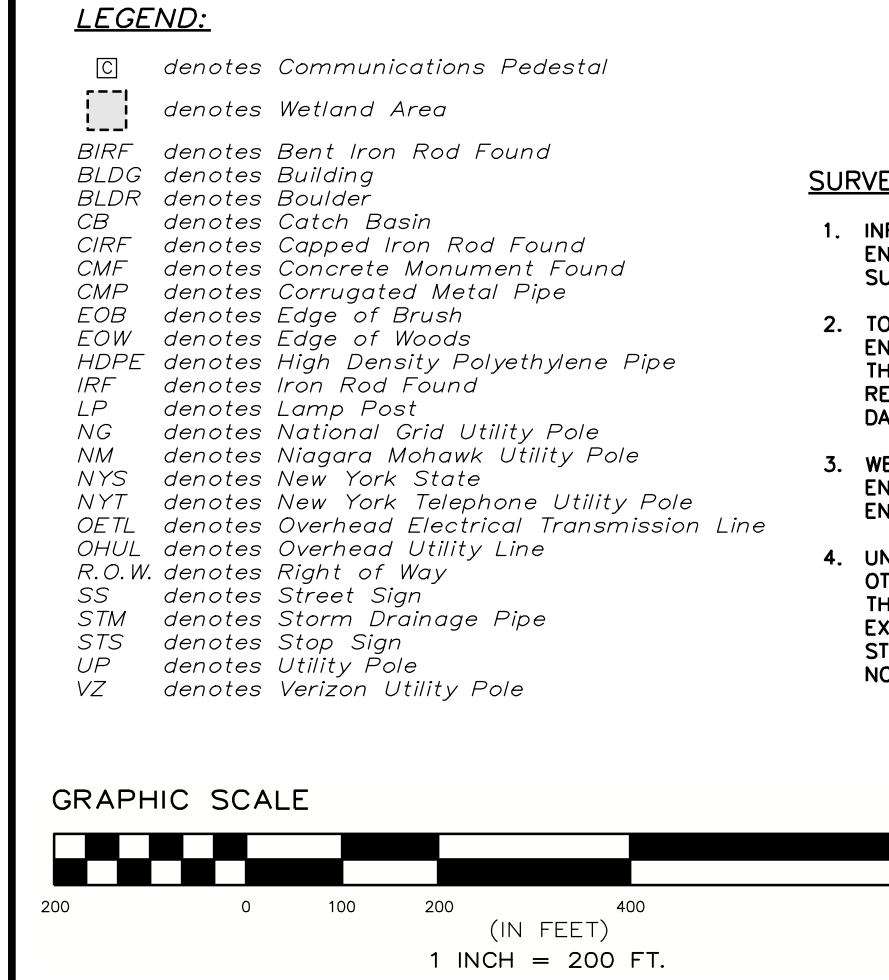
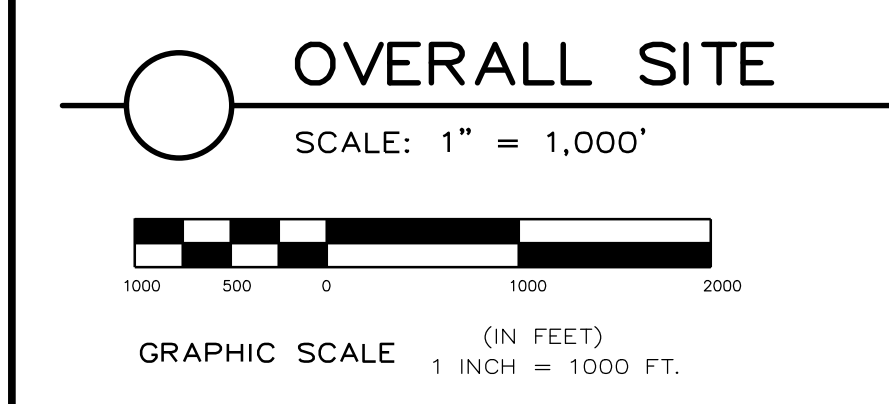
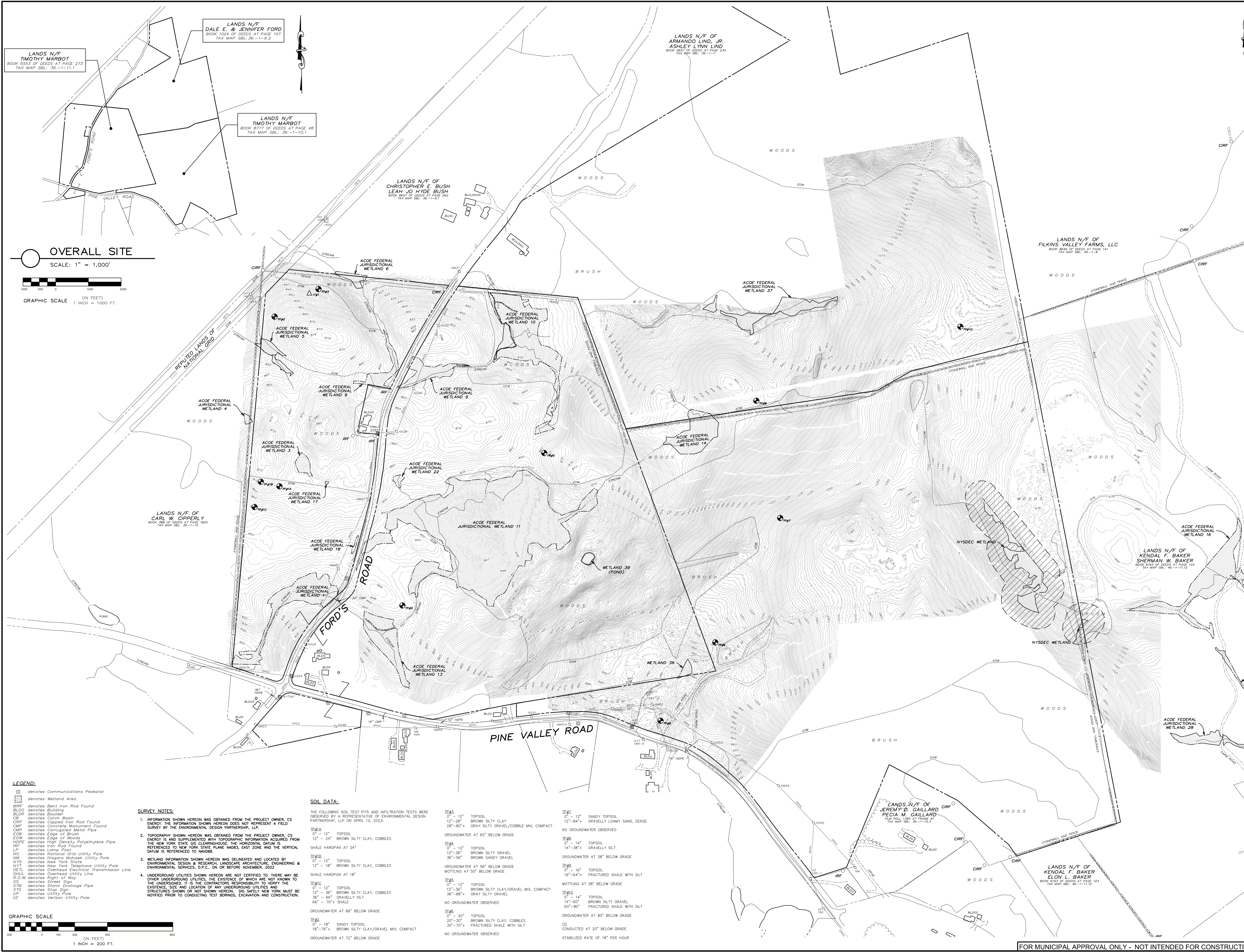
NO.	DATE	BY	REVISION

SCALE:	1" = 200'
--------	-----------


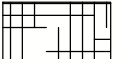
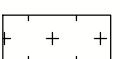

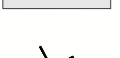
NOT FOR CONSTRUCTION

EXISTING CONDITIONS

SHEET: C-200

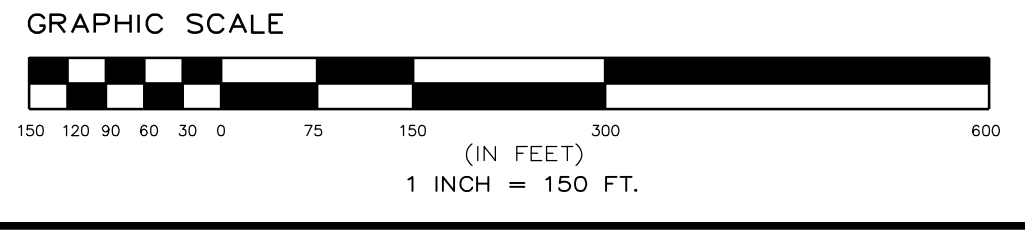
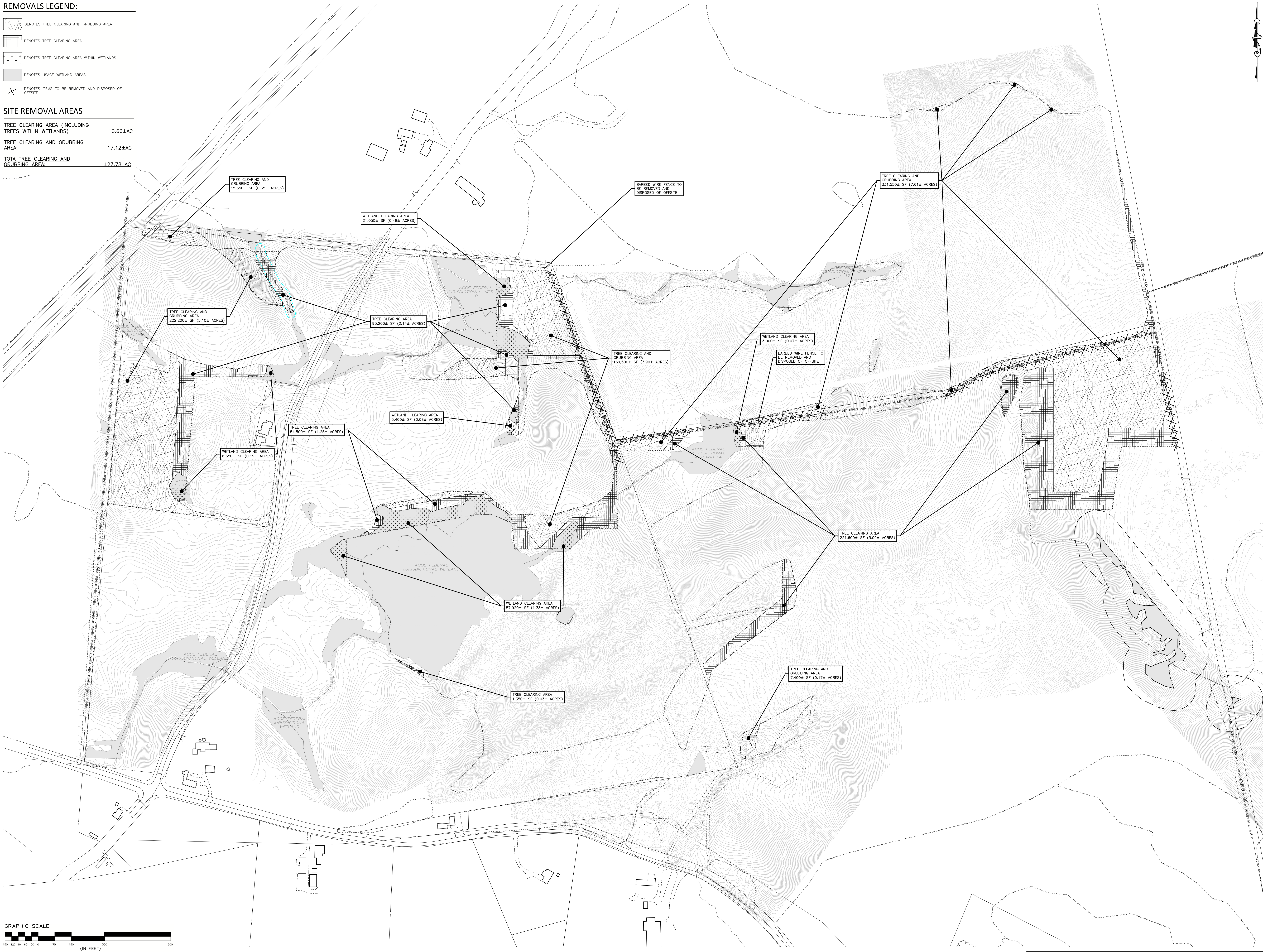


REMOVALS LEGEND:

-  DENOTES TREE CLEARING AND GRUBBING AREA
-  DENOTES TREE CLEARING AREA
-  DENOTES TREE CLEARING AREA WITHIN WETLANDS
-  DENOTES USACE WETLAND AREAS
-  DENOTES ITEMS TO BE REMOVED AND DISPOSED OF OFFSITE

SITE REMOVAL AREAS

TREE CLEARING AREA (INCLUDING TREES WITHIN WETLANDS)	10.66±AC
TREE CLEARING AND GRUBBING AREA:	17.12±AC
TOTAL TREE CLEARING AND GRUBBING AREA:	±27.78 AC



**PROPOSED SITE PLAN FOR
 HAWTHORN SOLAR FARM**
 HAWTHORN SOLAR, LLC
 FORDS ROAD & PINE VALLEY ROAD
 TOWN OF HOOSICK
 RENSSELAER COUNTY, NEW YORK

DRAWN BY:	FR
CHECKED BY:	DK
PROJECT NUMBER:	1361
<small>THIS IS A PRELIMINARY PLAN. IT IS NOT TO BE USED FOR CONSTRUCTION. ANY CHANGES TO THIS PLAN MUST BE APPROVED BY THE DESIGNER. THE DESIGNER ASSUMES NO LIABILITY FOR ANY ERRORS OR OMISSIONS. THE USER OF THIS PLAN ASSUMES ALL LIABILITY.</small>	
REVISION:	DATE:
REVISIONS PER CLIENT COMMENT:	5/18/23
REVISIONS PER CLIENT COMMENT:	5/18/23

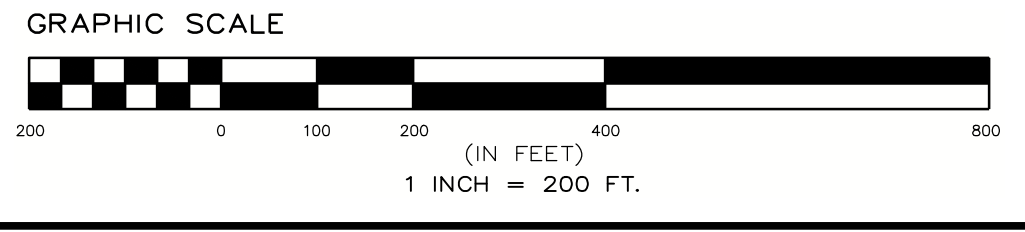
SCALE:	1" = 150'
NOT FOR CONSTRUCTION	
SHEET TITLE: REMOVALS PLAN	
SHEET: C-201	

C:\BKF\ENV\Environmental Design\Partnership\SharePoint_Site - Documents\A - 2\RENSSELAER\WDD\DOCKNT\Draws\Bosal\Hawthorn_Solar\05 - 1\Map\Setback\Sheet\C-201.dwg, Jul 26, 2023 03:04:59M

ERNST SOLAR FARM SEED MIX			
Quantity	SPECIES	COMMON	APPLICATION RATE
35%	FESTUCA RUBRA	CHEWING RED FESCUE	6 LB PER 1,000 SF
35%	FESTUCA RUBRA SSP. COMUTATA	CHEWING FESCUE	
10%	FESTUCA BREVIPILA 'BEACON'	HARD FESCUE 'BEACON'	
10%	FESTUCA OVINA VAR. DURUSCULA 'JETTY'	HARD FESCUE 'JETTY'	
5%	POA PRATENSIS 'BLUE ANGEL'	KENTUCKY BLUE GRASS 'BLUE ANGEL'	
5%	POA PRATENSIS 'VOLT'	KENTUCKY BLUE GRASS 'VOLT'	

EROSION AND SEDIMENT CONTROL NOTES:

- PERMEABLE AREAS BETWEEN AND UNDERNEATH SOLAR PANELS TO BE SEEDED WITH ERNST SOLAR FARM SEED MIX AS SPECIFIED, THIS SHEET, AND REBEL TALL FESCUE CHEWING FESCUE OR HARD FESCUE (5LBS/1,000 SF), OR OWNER APPROVED EQUALS AT THE RATE SPECIFIED ON THIS SHEET.
- AREAS OUTSIDE OF SOLAR ARRAY TO BE SEEDED WITH ERNST-179 BUTTERFLY & HUMMINGBIRD GARDEN MIX AT A RATE OF 30 LBS/ACRE.
- ON SEEDED SLOPES OVER 20%, CONTRACTOR SHALL ADD GEOTERM BONDED FIBER MIXTURE TO SEED MIXES AT A RATE OF 6 LB/ACRE.
- STORMWATER MANAGEMENT AREAS AND VEGETATED SWALES TO BE SEEDED AS SPECIFIED ON RESPECTIVE DETAILS, TYP.
- PROPOSED UTILITY AND CUSTOMER POLE LOCATIONS ARE SUBJECT TO UTILITY APPROVAL AND MAY CHANGE. CONTRACTOR TO VERIFY FINAL POLE LOCATIONS WITH OWNER PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- AREAS RECEIVING DISTURBANCE CONSTRUCTION TRAFFIC SHOULD RECEIVE DEEP-RIPPING AND DECOMPACTION.

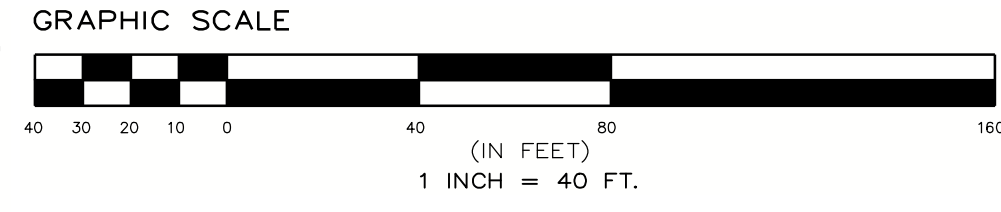


DRAWN BY	SK	
CHECKED BY	SK	
PER PROJECT NUMBER	1361	
<small>IN A STATE OF NEW YORK, I, THE ENGINEER, DO HEREBY CERTIFY THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK, LICENSE NO. 1361, AND THAT I AM THE DESIGNER OF THE ABOVE DESCRIBED PROJECT. I AM NOT PROVIDING ANY DESIGN OR ENGINEERING SERVICES TO ANY OTHER PROJECTS AT THE SAME TIME AS THIS PROJECT.</small>		
REVISION	DATE	BY
REVISION PER CLIENT COMMENT	4/18/23	SK
REVISION PER CLIENT COMMENT	5/16/23	SK

FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION

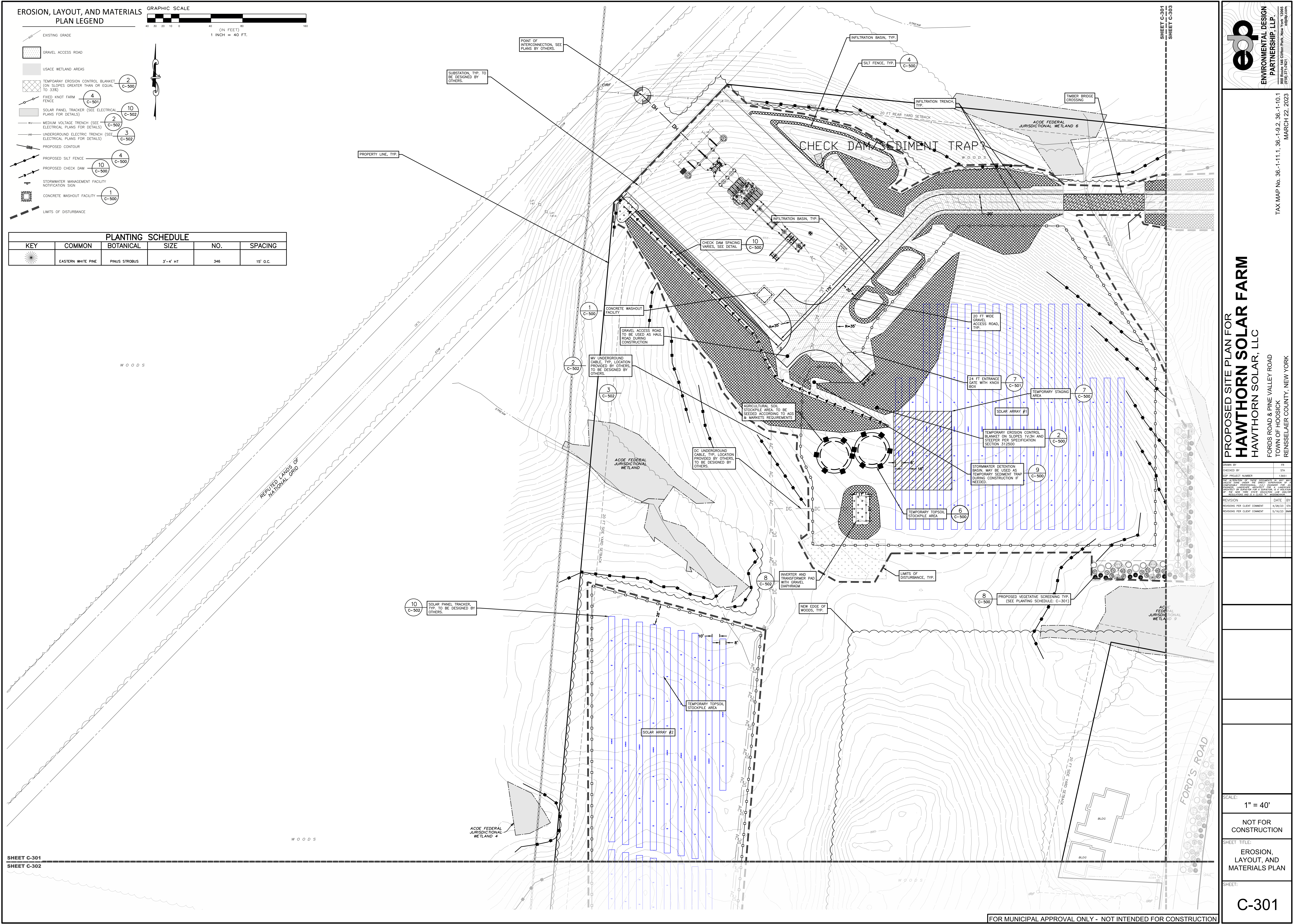
C:\DWGFILES\Environmental Design\Partnership\SharePoint_Site - Documents\A - 2\RENSELAER\HAWTHORN Solar\05 - Design\Setback\SHEET\C-300.dwg, Jul 28, 2023 03:11:40PM

EROSION, LAYOUT, AND MATERIALS PLAN LEGEND



- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USACE WETLAND AREAS
- TEMPORARY EROSION CONTROL BLANKET (ON SLOPES GREATER THAN OR EQUAL TO 3:3)
- FIXED KNOT FARM FENCE
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS)
- MEDIUM VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- UNDERGROUND ELECTRIC TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- PROPOSED CONTOUR
- PROPOSED SILT FENCE
- PROPOSED CHECK DAM
- STORMWATER MANAGEMENT FACILITY NOTIFICATION SIGN
- CONCRETE WASHOUT FACILITY
- LIMITS OF DISTURBANCE

PLANTING SCHEDULE					
KEY	COMMON	BOTANICAL	SIZE	NO.	SPACING
	EASTERN WHITE PINE	PINUS STROBUS	3'-4' HT	346	15' O.C.



PROPOSED SITE PLAN FOR HAWTHORN SOLAR FARM
HAWTHORN SOLAR, LLC
FORDS ROAD & PINE VALLEY ROAD
TOWN OF HOOSICK
RENSELAER COUNTY, NEW YORK

DRAWN BY	DT
CHECKED BY	DT
PER PROJECT NUMBER	1361

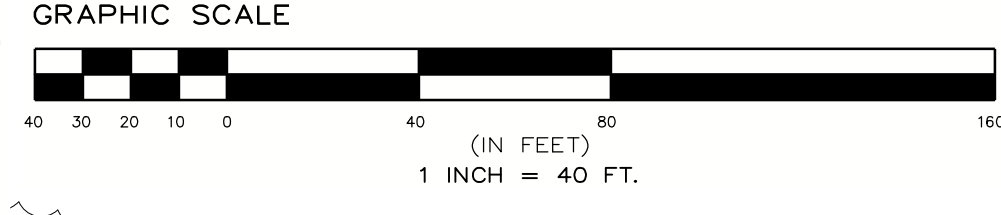
REVISION	DATE	BY
REVISION PER CLIENT COMMENT	4/19/23	DT
REVISION PER CLIENT COMMENT	5/16/23	DT

SCALE: 1" = 40'
NOT FOR CONSTRUCTION
SHEET TITLE: EROSION, LAYOUT, AND MATERIALS PLAN
SHEET: C-301

SHEET C-301
SHEET C-302

FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION

EROSION, LAYOUT, AND MATERIALS PLAN LEGEND



- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USACE WETLAND AREAS
- TEMPORARY EROSION CONTROL BLANKET (ON SLOPES GREATER THAN OR EQUAL TO 3:3%)
- FIXED KNOT FARM FENCE
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS)
- MEDIUM VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- UNDERGROUND ELECTRIC TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- PROPOSED CONTOUR
- PROPOSED SILT FENCE
- PROPOSED CHECK DAM
- STORMWATER MANAGEMENT FACILITY NOTIFICATION SIGN
- CONCRETE WASHOUT FACILITY
- LIMITS OF DISTURBANCE

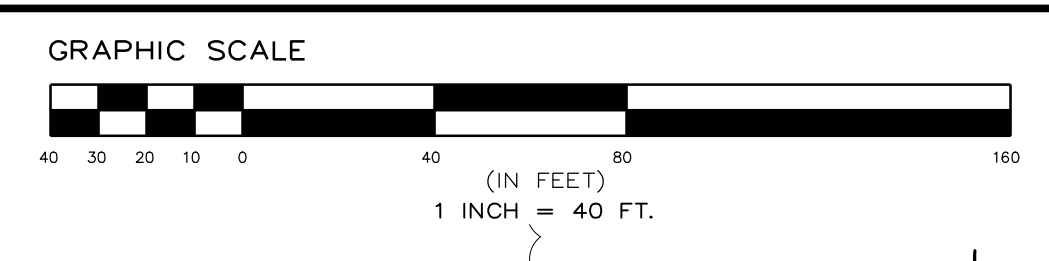
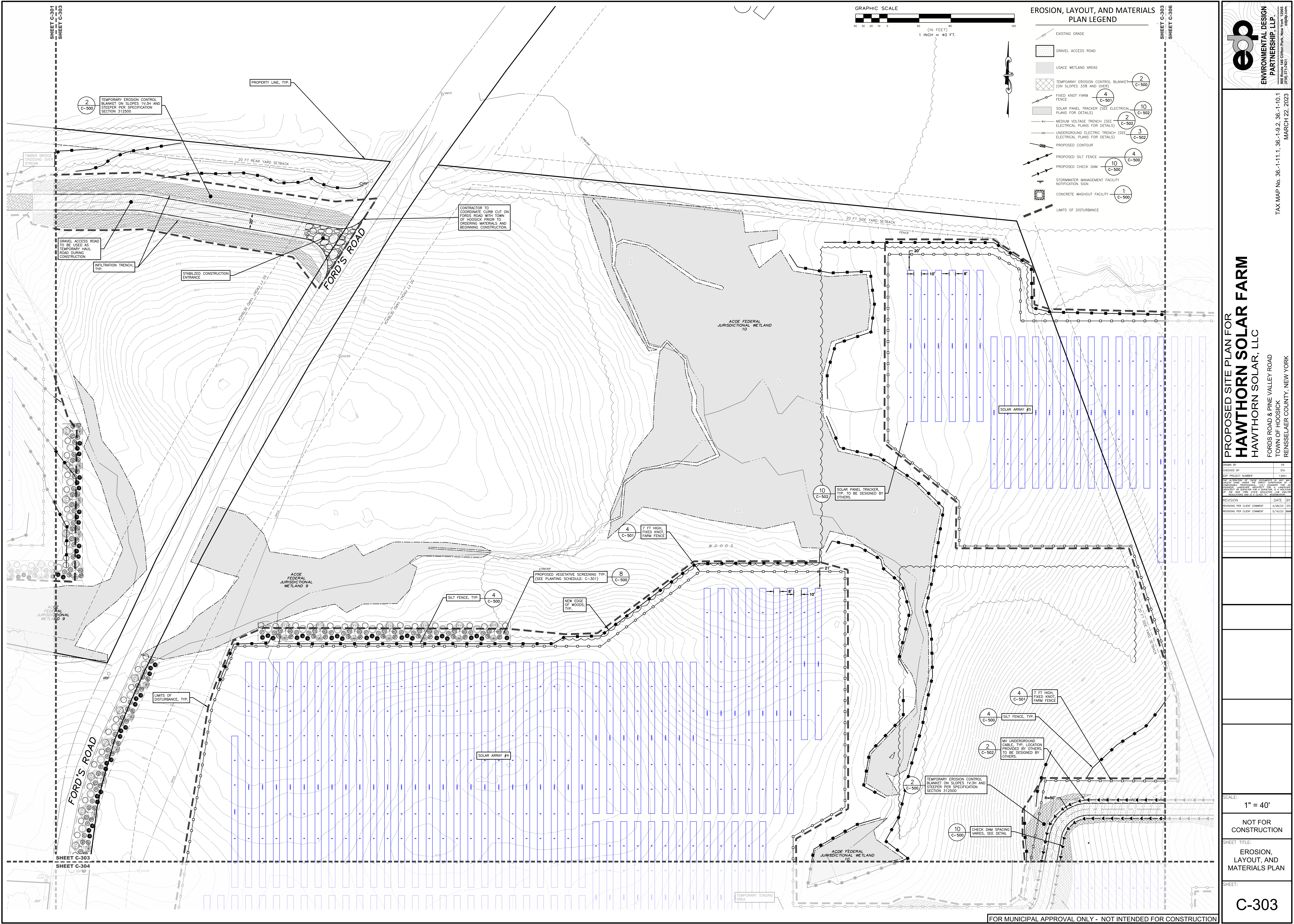


LANDS N/F OF
CARL W. CIPPERLY
BOOK 208 OF RECORDS AT PAGE 1829
TAX MAP 2001, 56-11-19

**PROPOSED SITE PLAN FOR
HAWTHORN SOLAR FARM**
HAWTHORN SOLAR, LLC
FORDS ROAD & PINE VALLEY ROAD
TOWN OF HOOSICK
RENSELAER COUNTY, NEW YORK

DESIGNED BY	DATE
CHECKED BY	DATE
PROJECT NUMBER	13661
REVISION	DATE
REVISION PER CLIENT COMMENT	4/10/23
REVISION PER CLIENT COMMENT	5/16/23
SCALE:	1" = 40'
NOT FOR CONSTRUCTION	
SHEET TITLE:	EROSION, LAYOUT, AND MATERIALS PLANS
SHEET:	C-302

FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION



EROSION, LAYOUT, AND MATERIALS PLAN LEGEND

- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USACE WETLAND AREAS
- TEMPORARY EROSION CONTROL BLANKET (ON SLOPES 3:3% AND OVER)
- FIXED KNOT FARM FENCE
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS)
- MEDIUM VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- UNDERGROUND ELECTRIC TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- PROPOSED CONTOUR
- PROPOSED SILT FENCE
- PROPOSED CHECK DAM
- STORMWATER MANAGEMENT FACILITY NOTIFICATION SIGN
- CONCRETE WASHOUT FACILITY
- LIMITS OF DISTURBANCE

Legend symbols include: 2 C-500, 4 C-501, 10 C-502, 2 C-502, 3 C-502, 4 C-500, 10 C-500, 1 C-500.

PROPOSED SITE PLAN FOR HAWTHORN SOLAR FARM
 HAWTHORN SOLAR, LLC
 FORDS ROAD & PINE VALLEY ROAD
 TOWN OF HOOSICK
 RENSSELAER COUNTY, NEW YORK

DRAWN BY	FR
CHECKED BY	FR
PROJECT NUMBER	1361

REVISION	DATE	BY
REVISIONS PER CLIENT COMMENT	4/10/23	FR
REVISIONS PER CLIENT COMMENT	5/16/23	FR

SCALE:	1" = 40'
NOT FOR CONSTRUCTION	
SHEET TITLE:	EROSION, LAYOUT, AND MATERIALS PLAN
SHEET:	C-303

FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION

**PROPOSED SITE PLAN FOR
 HAWTHORN SOLAR FARM**
 HAWTHORN SOLAR, LLC
 FORDS ROAD & PINE VALLEY ROAD
 TOWN OF HOESICK
 RENSSELAER COUNTY, NEW YORK

DESIGNED BY	DATE
CHECKED BY	DATE
PROJECT NUMBER	13661

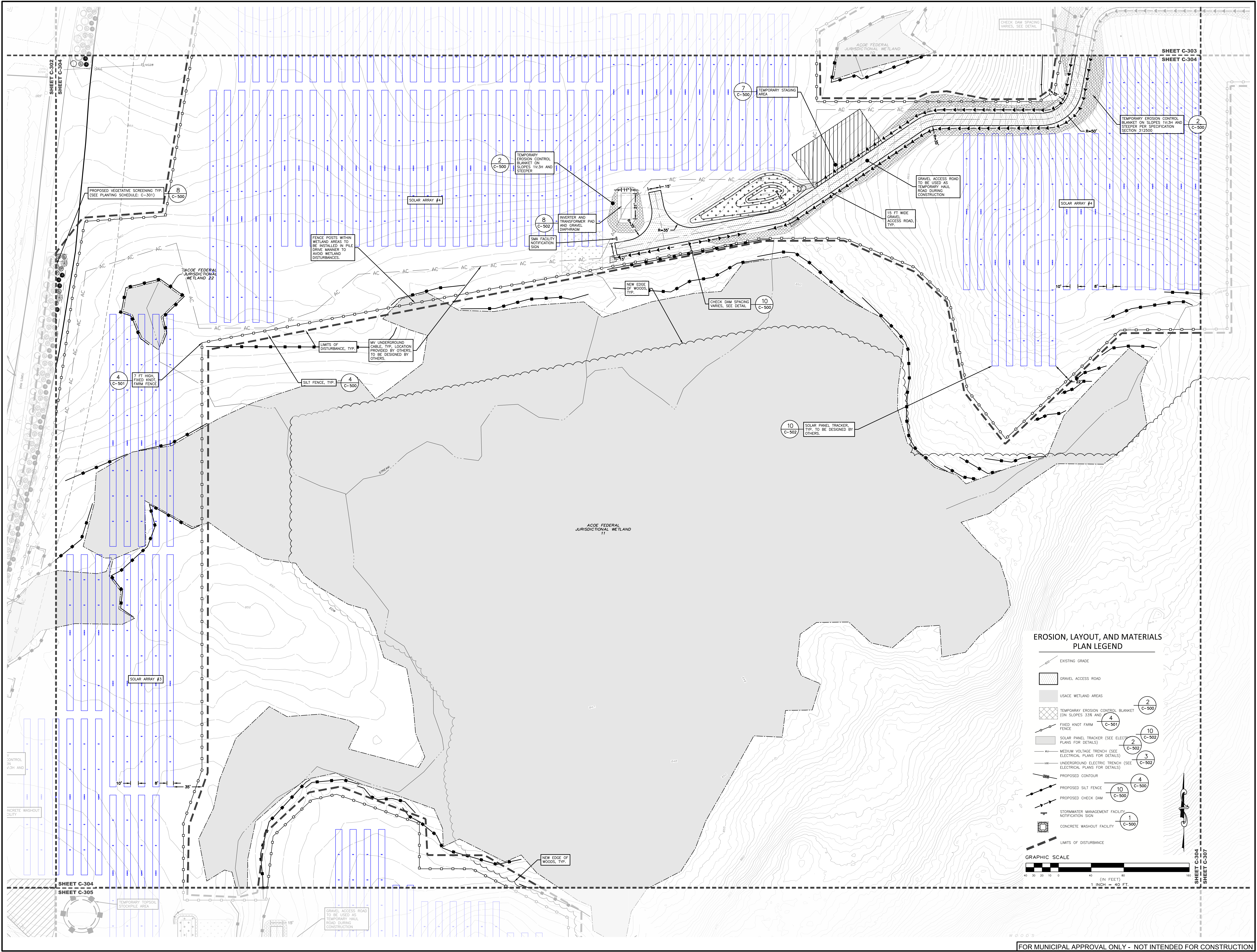
REVISION	DATE	BY
REVISIONS PER CLIENT COMMENT	4/18/23	BAW
REVISIONS PER CLIENT COMMENT	5/16/23	BAW

SCALE: 1" = 40'

NOT FOR CONSTRUCTION

SHEET TITLE:
EROSION, LAYOUT, AND MATERIALS PLAN

SHEET:
C-304



**EROSION, LAYOUT, AND MATERIALS
 PLAN LEGEND**

- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USACE WETLAND AREAS
- TEMPORARY EROSION CONTROL BLANKET (ON SLOPES 3:1 AND STEEPER) **2 C-500**
- FIXED KNOT FARM FENCE **4 C-501**
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS) **10 C-502**
- MEDIUM VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS) **2 C-502**
- UNDERGROUND ELECTRIC TRENCH (SEE ELECTRICAL PLANS FOR DETAILS) **3 C-502**
- PROPOSED CONTOUR
- PROPOSED SILT FENCE **4 C-500**
- PROPOSED CHECK DAM **10 C-500**
- STORMWATER MANAGEMENT FACILITY NOTIFICATION SIGN **1 C-500**
- CONCRETE WASHOUT FACILITY **1 C-500**
- LIMITS OF DISTURBANCE



FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION

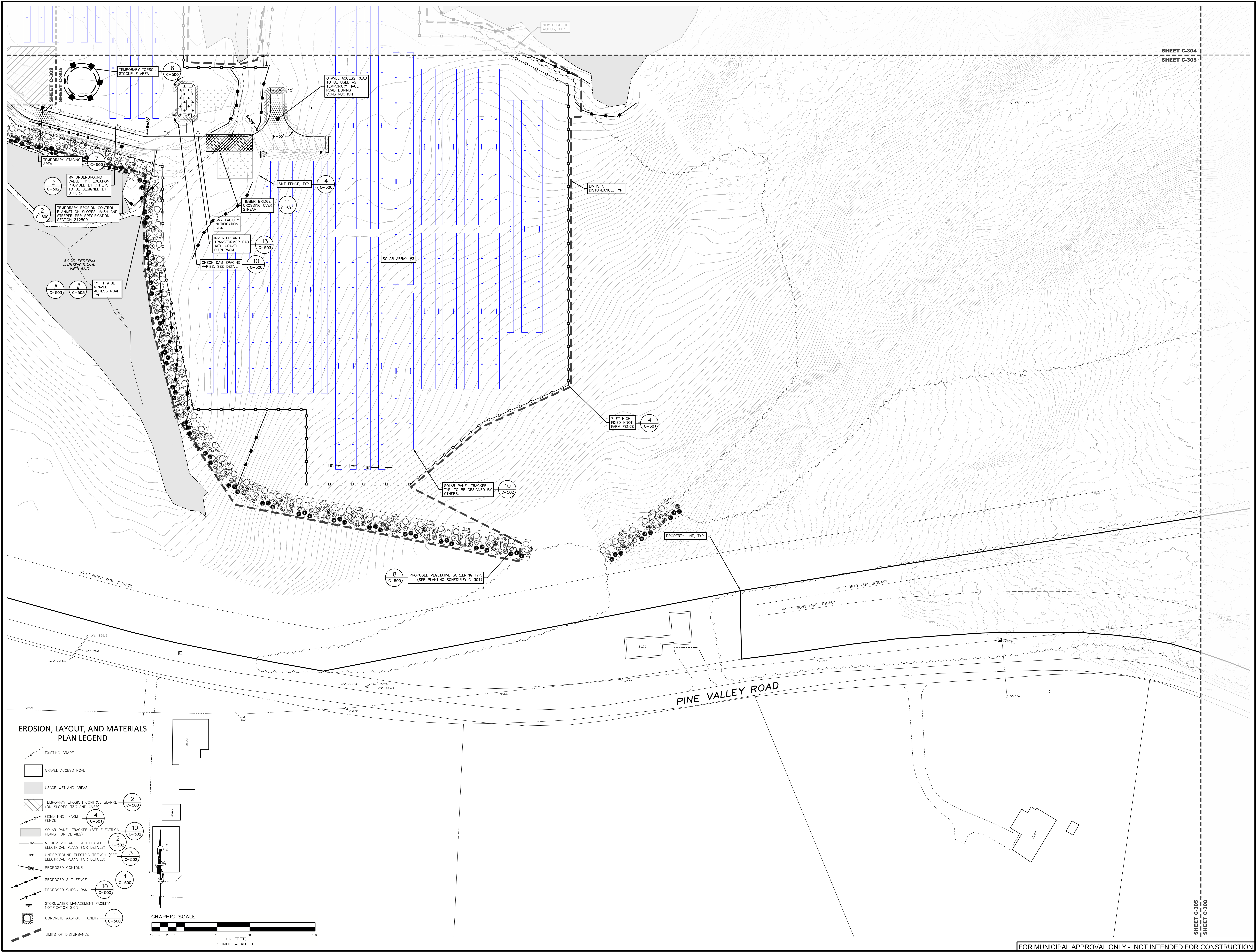
**PROPOSED SITE PLAN FOR
 HAWTHORN SOLAR FARM**
 HAWTHORN SOLAR, LLC
 FORDS ROAD & PINE VALLEY ROAD
 TOWN OF HOOSICK
 RENSELER COUNTY, NEW YORK

DRAWN BY	JK
CHECKED BY	JK
DATE	1/16/23
PROJECT NUMBER	1361

REVISION	DATE	BY
REVISION PER CLIENT COMMENT	4/10/23	JK
REVISION PER CLIENT COMMENT	5/16/23	JK

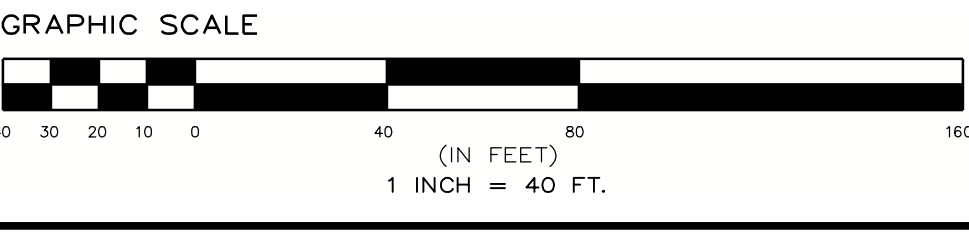
SCALE:	1" = 40'
SHEET TITLE:	EROSION, LAYOUT, AND MATERIALS PLAN
SHEET:	C-305

FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION



EROSION, LAYOUT, AND MATERIALS PLAN LEGEND

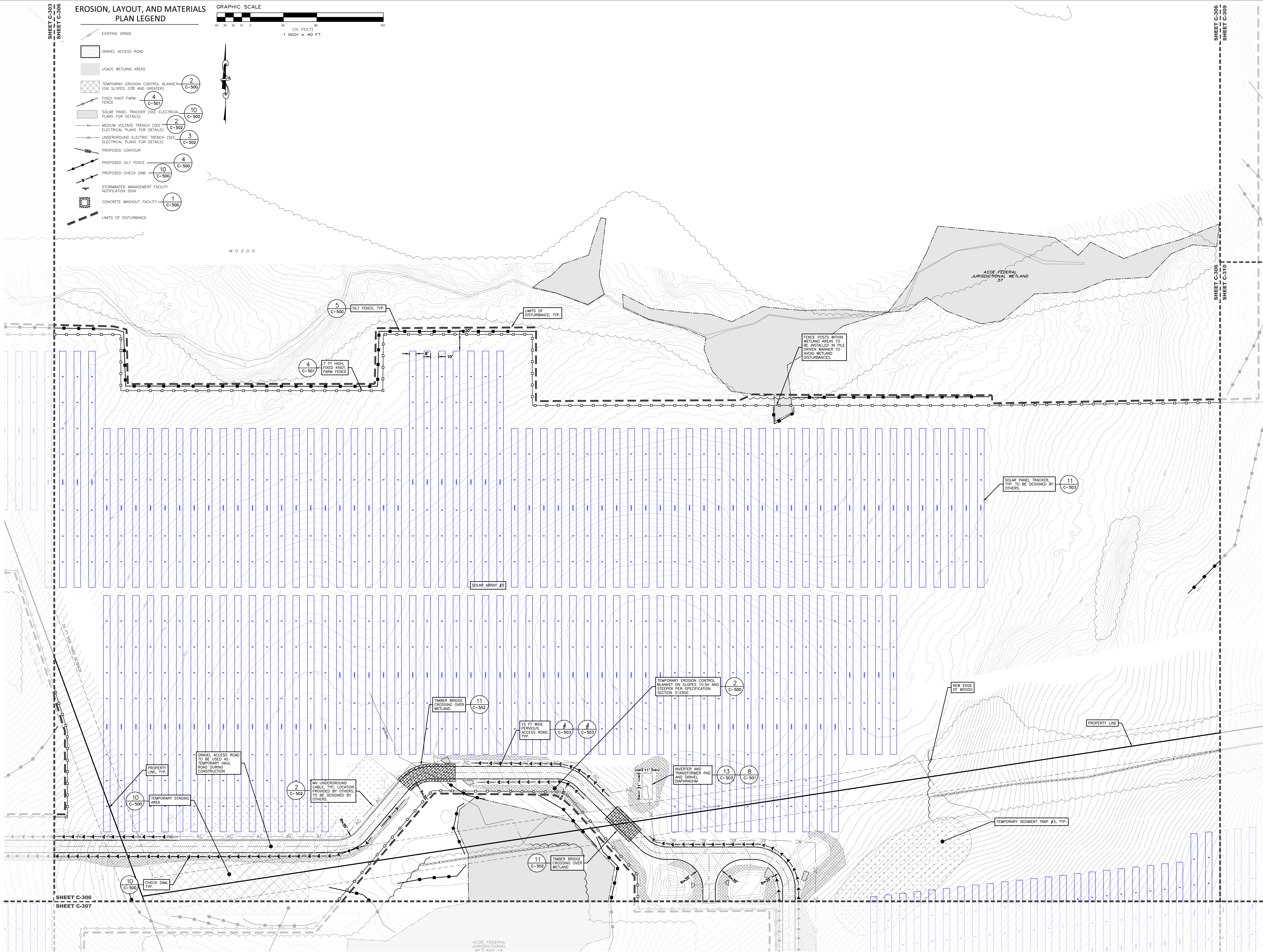
- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USACE WETLAND AREAS
- TEMPORARY EROSION CONTROL BLANKET (ON SLOPES 33% AND OVER)
- FIXED KNOT FARM FENCE
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS)
- MEDIUM VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- UNDERGROUND ELECTRIC TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- PROPOSED CONTOUR
- PROPOSED SILT FENCE
- PROPOSED CHECK DAM
- STORMWATER MANAGEMENT FACILITY NOTIFICATION SIGN
- CONCRETE WASHOUT FACILITY
- LIMITS OF DISTURBANCE



SHEET C-304
 SHEET C-305

SHEET C-305
 SHEET C-306

- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USACE WETLAND AREAS
- TEMPORARY EROSION CONTROL BLANKET (ON SLOPES 3:3H AND GREATER)
- FIXED KNOT FARM FENCE
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS)
- MEDIUM VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- UNDERGROUND ELECTRIC TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- PROPOSED CONTOUR
- PROPOSED SILT FENCE
- PROPOSED CHECK DAM
- STORMWATER MANAGEMENT FACILITY NOTIFICATION SIGN
- CONCRETE WASHOUT FACILITY
- LIMITS OF DISTURBANCE



**PROPOSED SITE PLAN FOR
HAWTHORN SOLAR FARM**
HAWTHORN SOLAR, LLC
FORDS ROAD & PINE VALLEY ROAD
TOWN OF HOOSICK
RENSSELAER COUNTY, NEW YORK

DRAWN BY	FR
CHECKED BY	STA
DATE	1/26/23
PROJECT NUMBER	13661

REVISION	DATE	BY
REVISIONS PER CLIENT COMMENT	4/10/23	AM
REVISIONS PER CLIENT COMMENT	5/16/23	AM

C:\DWGFILES\Environmental Design\Partnership\SharePoint_Site - Documents\A - INVEN\SSELAER\WDD\SD\T\Draws\Road\Hawthorn_Solar\05 - Inp\SitePlan\Sheet\C-306 - C-308.dwg Jul 28, 2023 03:13:46PM

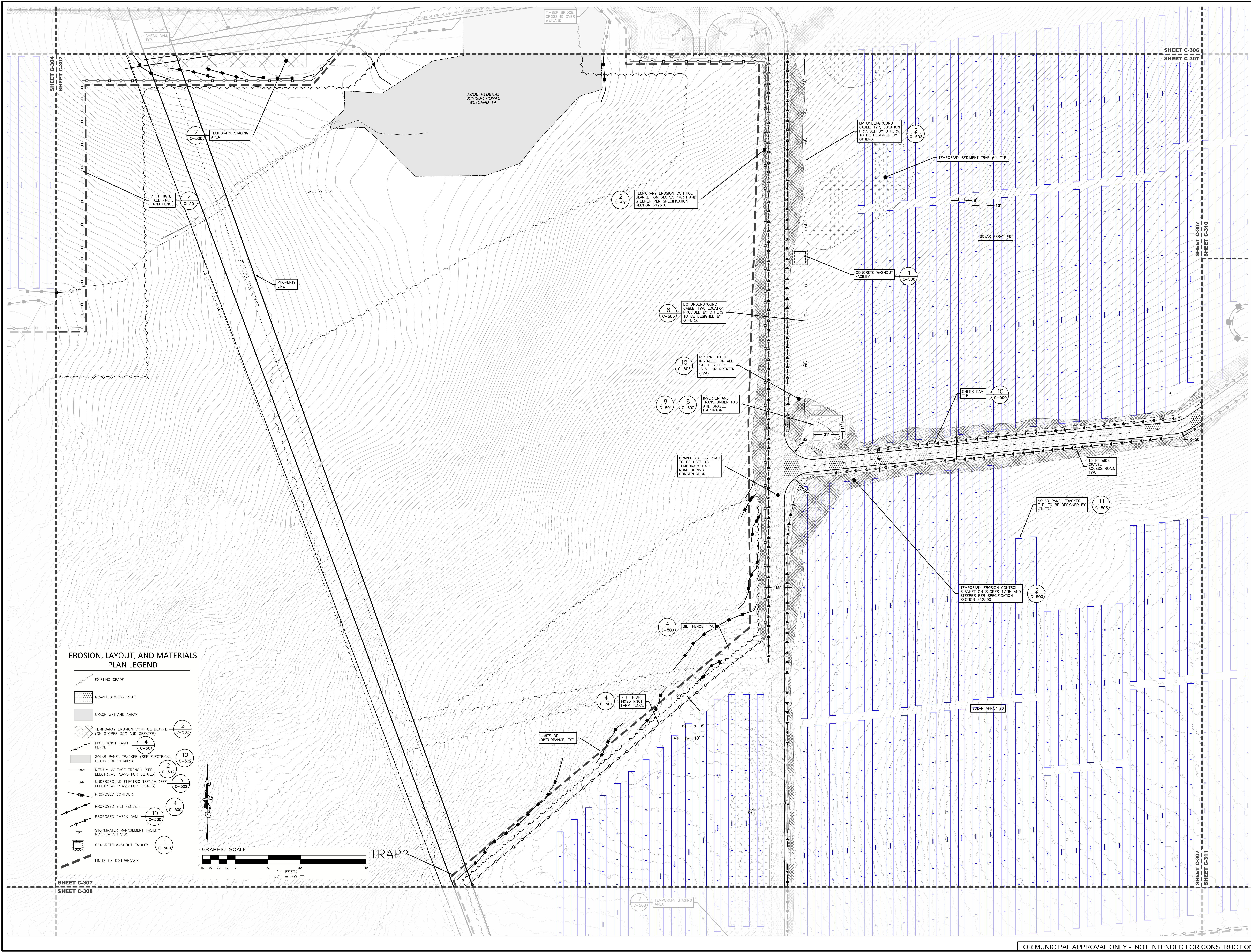
**PROPOSED SITE PLAN FOR
 HAWTHORN SOLAR FARM**
 HAWTHORN SOLAR, LLC
 FORDS ROAD & PINE VALLEY ROAD
 TOWN OF HOOSICK
 RENSSELAER COUNTY, NEW YORK

DRAWN BY:	SK
CHECKED BY:	SK
PROJECT NUMBER:	1361
DATE:	5/18/23
REVISIONS PER CLIENT COMMENT:	5/18/23
REVISIONS PER CLIENT COMMENT:	5/18/23

REVISION	DATE	BY

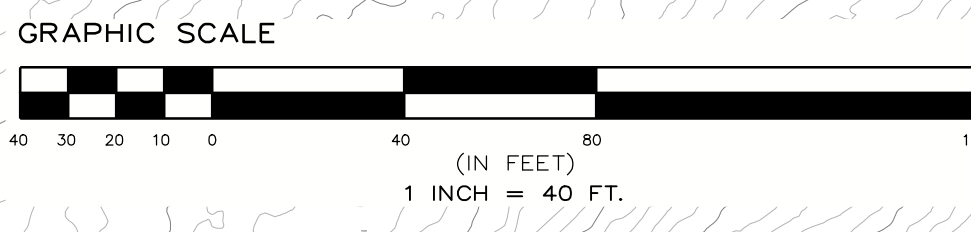
SCALE:	1" = 40'
NOT FOR CONSTRUCTION	
SHEET TITLE:	EROSION, LAYOUT, AND MATERIALS PLAN

SHEET:	C-307
--------	-------



**EROSION, LAYOUT, AND MATERIALS
 PLAN LEGEND**

- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USACE WETLAND AREAS
- TEMPORARY EROSION CONTROL BLANKET (ON SLOPES 33% AND GREATER) (2) C-500
- FIXED KNOT FARM FENCE (4) C-501
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS) (10) C-502
- MEDIUM VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS) (2) C-502
- UNDERGROUND ELECTRIC TRENCH (SEE ELECTRICAL PLANS FOR DETAILS) (3) C-502
- PROPOSED CONTOUR
- PROPOSED SILT FENCE (4) C-500
- PROPOSED CHECK DAM (10) C-500
- STORMWATER MANAGEMENT FACILITY NOTIFICATION SIGN (1) C-500
- CONCRETE WASHOUT FACILITY (1) C-500
- LIMITS OF DISTURBANCE



SHEET C-307
 SHEET C-308

SHEET C-307
 SHEET C-311

CHECK DAM/SEDIMENT TRAP?

SHEET C-305
SHEET C-306

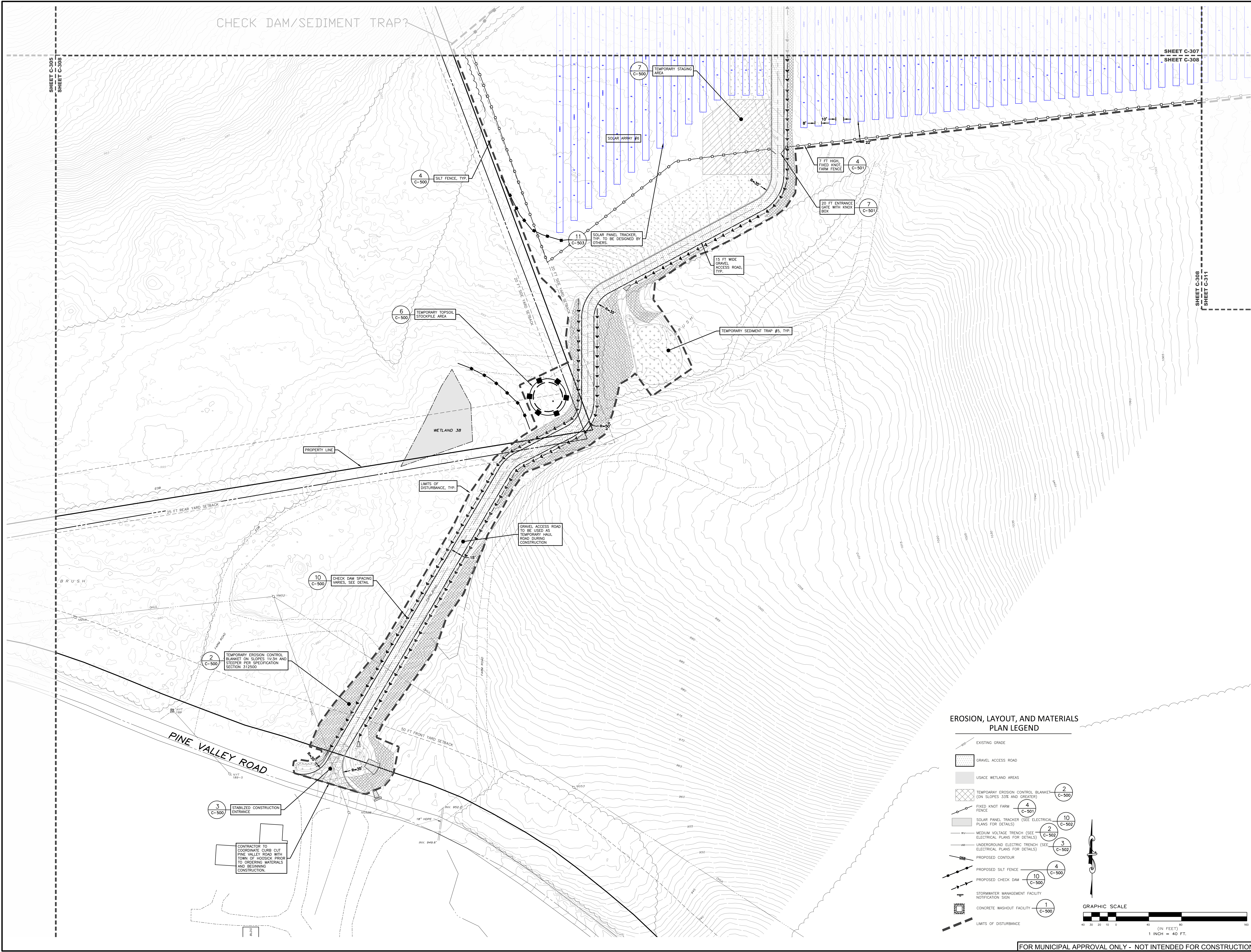
SHEET C-307
SHEET C-308

**PROPOSED SITE PLAN FOR
 HAWTHORN SOLAR FARM**
 HAWTHORN SOLAR, LLC
 FORDS ROAD & PINE VALLEY ROAD
 TOWN OF HOOSICK
 RENSSELAER COUNTY, NEW YORK

DRAWN BY	FR
CHECKED BY	SK
DATE	1/26/23
PROJECT NUMBER	13661

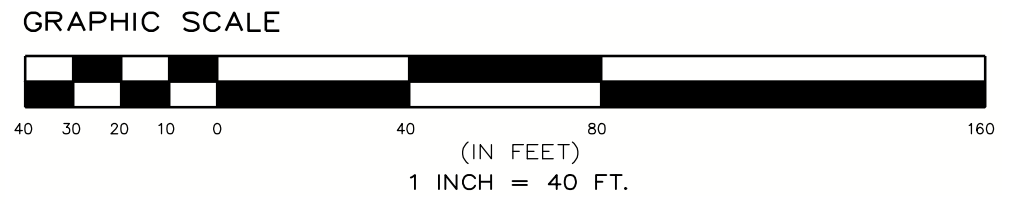
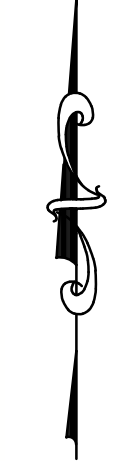
REVISION	DATE	BY
REVISION PER CLIENT COMMENT	4/7/23	SK
REVISION PER CLIENT COMMENT	5/16/23	SK

SCALE:	1" = 40'
SHEET TITLE:	EROSION, LAYOUT, AND MATERIALS PLAN
SHEET:	C-308



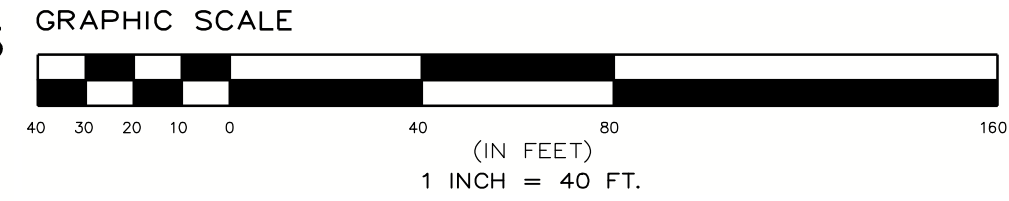
**EROSION, LAYOUT, AND MATERIALS
 PLAN LEGEND**

- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USACE WETLAND AREAS
- TEMPORARY EROSION CONTROL BLANKET (ON SLOPES 3:3% AND GREATER) 2
C-500
- FIXED KNOT FARM FENCE 4
C-501
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS) 10
C-502
- MEDIUM VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS) 2
C-502
- UNDERGROUND ELECTRIC TRENCH (SEE ELECTRICAL PLANS FOR DETAILS) 3
C-502
- PROPOSED CONTOUR
- PROPOSED SILT FENCE 4
C-500
- PROPOSED CHECK DAM 10
C-500
- STORMWATER MANAGEMENT FACILITY NOTIFICATION SIGN
- CONCRETE WASHOUT FACILITY 1
C-500
- LIMITS OF DISTURBANCE

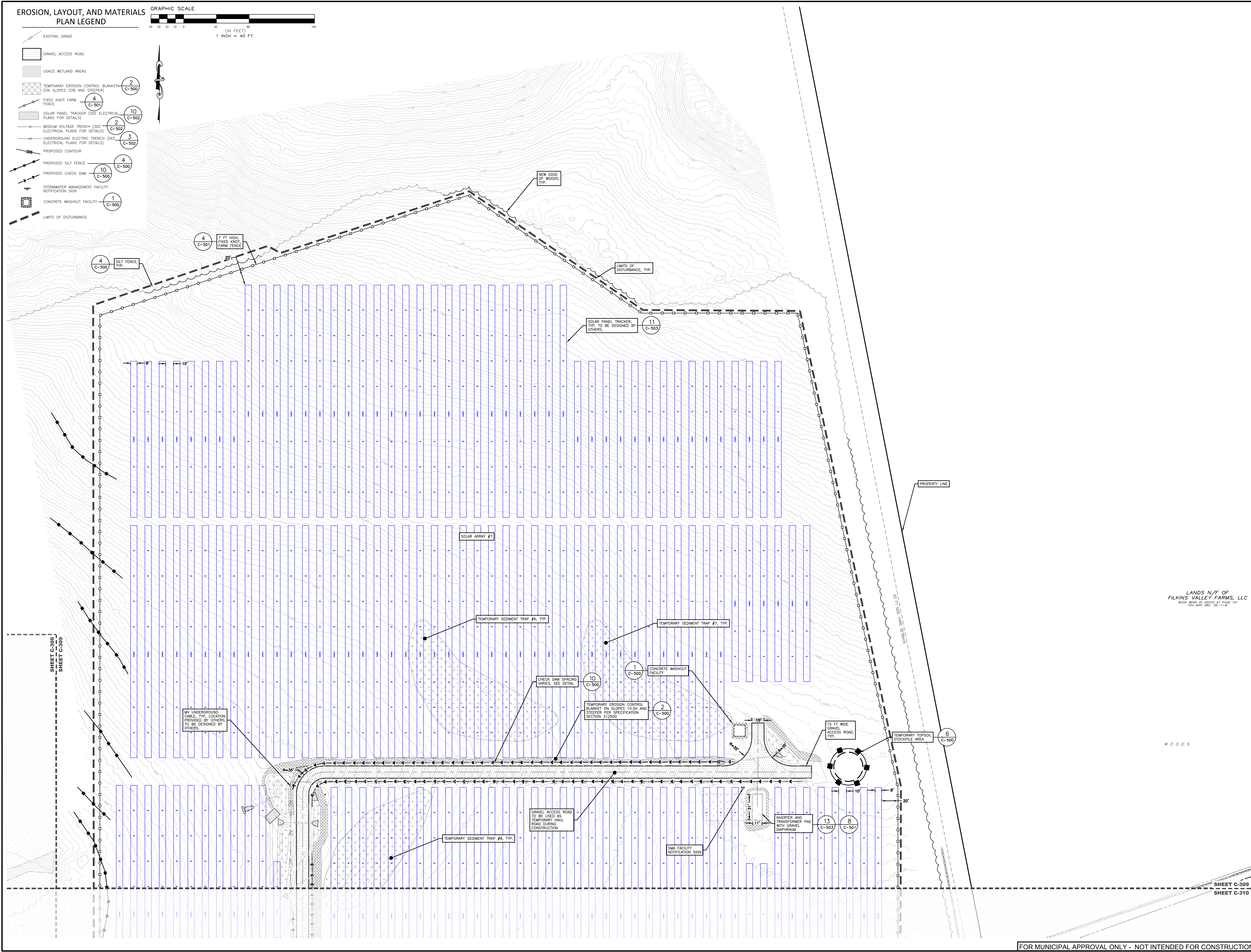


FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION

EROSION, LAYOUT, AND MATERIALS PLAN LEGEND



- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USACE WETLAND AREAS
- TEMPORARY EROSION CONTROL BLANKET (ON SLOPES 3:3H AND STEEPER) (2 C-500)
- FIXED KNOT FARM FENCE (4 C-501)
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS) (10 C-502)
- MEDIUM VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS) (2 C-502)
- UNDERGROUND ELECTRIC TRENCH (SEE ELECTRICAL PLANS FOR DETAILS) (3 C-502)
- PROPOSED CONTOUR
- PROPOSED SILT FENCE (4 C-500)
- PROPOSED CHECK DAM (10 C-500)
- STORMWATER MANAGEMENT FACILITY NOTIFICATION SIGN (4 C-500)
- CONCRETE WASHOUT FACILITY (1 C-500)
- LIMITS OF DISTURBANCE



LANDS N/F OF
 FILKINS VALLEY FARMS, LLC
 9008 ROUTE 307 CROSS ST. PO BOX 141
 TAX MAP 36-1-1-B

WOODS

**PROPOSED SITE PLAN FOR
 HAWTHORN SOLAR FARM**
 HAWTHORN SOLAR, LLC
 FORDS ROAD & PINE VALLEY ROAD
 TOWN OF HOOSICK
 RENSSELAER COUNTY, NEW YORK

DRAWN BY	FR	
CHECKED BY	SK	
PROJECT NUMBER	13631	
<small>THE PRESENCE OF THIS DOCUMENT IN ANY FORM DOES NOT CONSTITUTE AN OFFER OF INSURANCE OR ANY OTHER FINANCIAL PRODUCT. LANDSCAPE ARCHITECTS, INC. IS A MEMBER OF THE NATIONAL ASSOCIATION OF LANDSCAPE ARCHITECTS AND IS NOT A FINANCIAL INSTITUTION. LANDSCAPE ARCHITECTS, INC. IS NOT A FINANCIAL INSTITUTION AND IS NOT A FINANCIAL INSTITUTION.</small>		
REVISION	DATE	BY
REVISIONS PER CLIENT COMMENT	4/20/23	SK
REVISIONS PER CLIENT COMMENT	5/12/23	SK

SCALE:	1" = 40'
SHEET TITLE:	NOT FOR CONSTRUCTION
SHEET:	EROSION, LAYOUT, AND MATERIALS PLAN
SHEET:	C-309

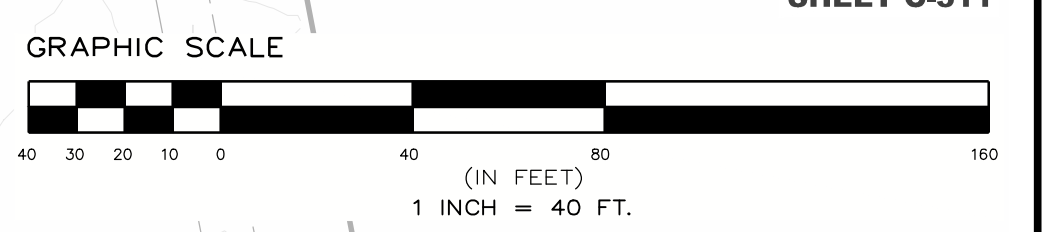
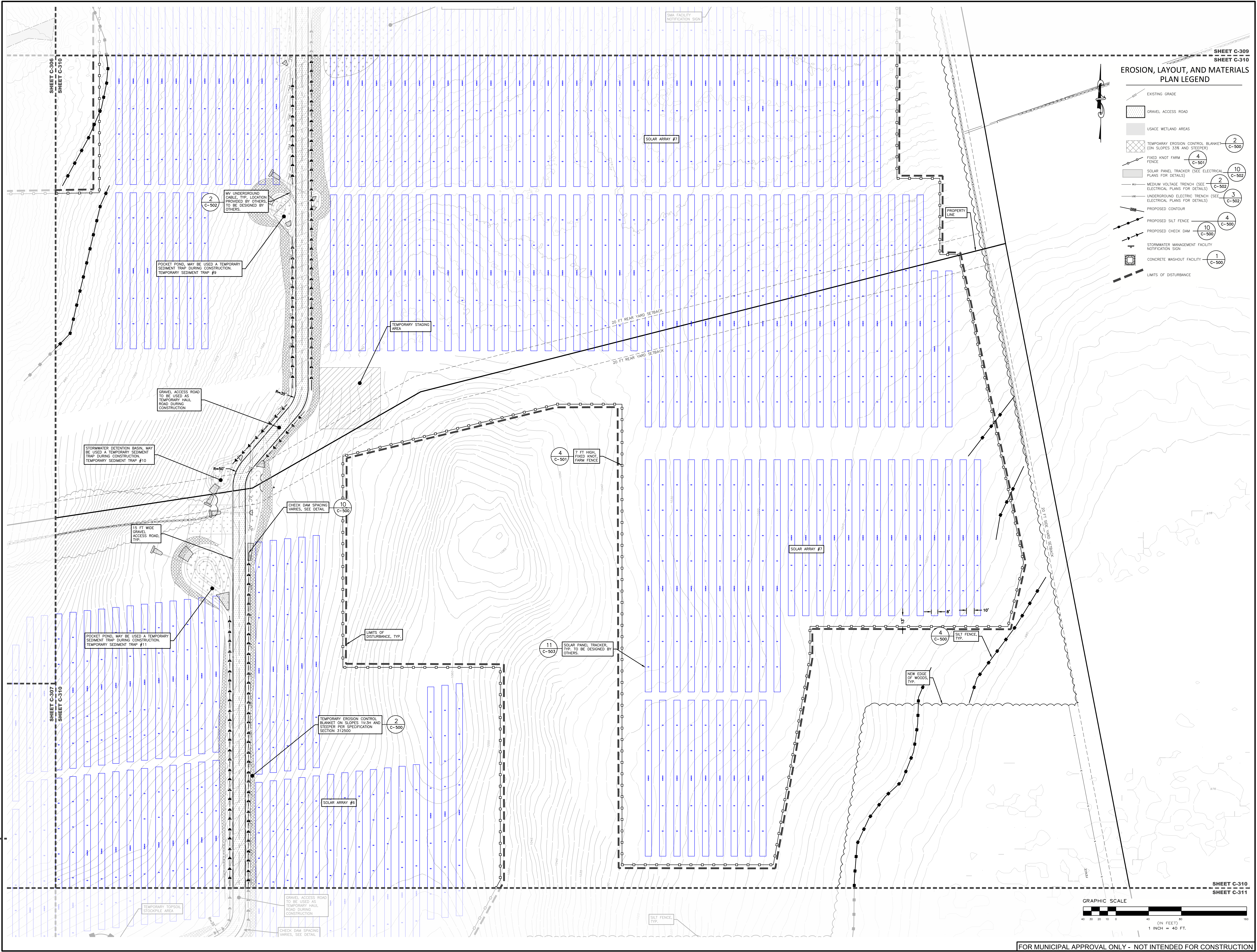
**PROPOSED SITE PLAN FOR
 HAWTHORN SOLAR FARM**
 HAWTHORN SOLAR, LLC
 FORDS ROAD & PINE VALLEY ROAD
 TOWN OF HOESICK
 RENSSELAER COUNTY, NEW YORK

DRAWN BY	ST
CHECKED BY	ST
DATE	1/26/23
PROJECT NUMBER	13661
DATE	1/26/23
REVISION	DATE
REVISIONS PER CLIENT COMMENT	1/26/23
REVISIONS PER CLIENT COMMENT	5/16/23

SCALE:	1" = 40'
NOT FOR CONSTRUCTION	
SHEET TITLE:	EROSION, LAYOUT, AND MATERIALS PLAN
SHEET:	C-310

**EROSION, LAYOUT, AND MATERIALS
 PLAN LEGEND**

- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USACE WETLAND AREAS
- TEMPORARY EROSION CONTROL BLANKET (ON SLOPES 3:3X AND STEEPER) (2 C-500)
- FIXED KNOT FARM FENCE (4 C-501)
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS) (10 C-502)
- MEDIUM VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS) (2 C-502)
- UNDERGROUND ELECTRIC TRENCH (SEE ELECTRICAL PLANS FOR DETAILS) (3 C-502)
- PROPOSED CONTOUR
- PROPOSED SILT FENCE (4 C-500)
- PROPOSED CHECK DAM (10 C-500)
- STORMWATER MANAGEMENT FACILITY NOTIFICATION SIGN (1 C-500)
- CONCRETE WASHOUT FACILITY (1 C-500)
- LIMITS OF DISTURBANCE



FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION

**PROPOSED SITE PLAN FOR
 HAWTHORN SOLAR FARM**
 HAWTHORN SOLAR, LLC
 FORDS ROAD & PINE VALLEY ROAD
 TOWN OF HOOSICK
 RENSSELAER COUNTY, NEW YORK

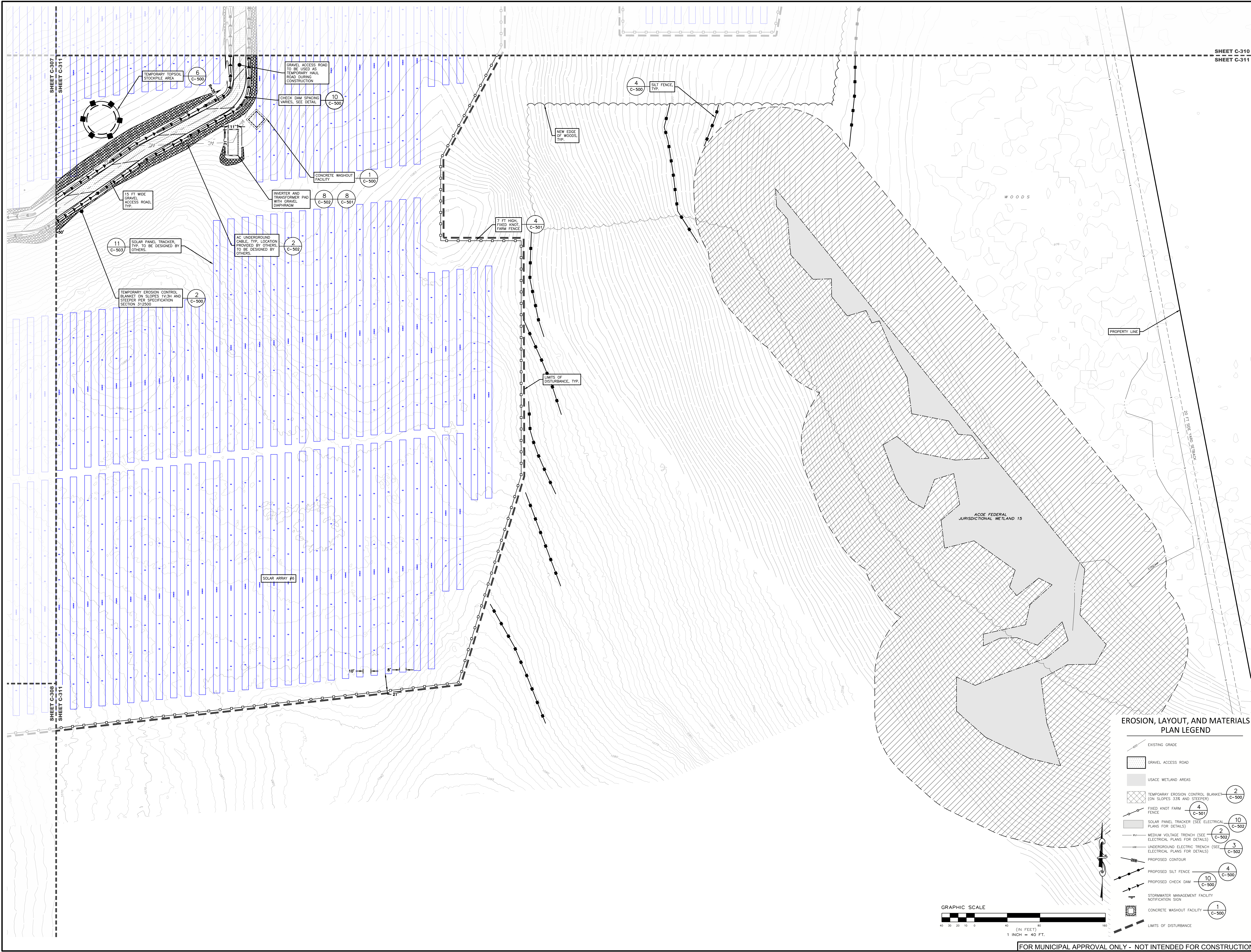
NO.	DATE	BY	REVISIONS PER CLIENT COMMENT
1	4/19/23	BAW	
2	5/18/23	BAW	
3	5/18/23	BAW	

NO.	DATE	BY	REVISIONS PER CLIENT COMMENT
4	5/18/23	BAW	
5	5/18/23	BAW	
6	5/18/23	BAW	
7	5/18/23	BAW	
8	5/18/23	BAW	
9	5/18/23	BAW	
10	5/18/23	BAW	
11	5/18/23	BAW	

NO.	DATE	BY	REVISIONS PER CLIENT COMMENT
12	5/18/23	BAW	
13	5/18/23	BAW	
14	5/18/23	BAW	
15	5/18/23	BAW	
16	5/18/23	BAW	
17	5/18/23	BAW	
18	5/18/23	BAW	
19	5/18/23	BAW	
20	5/18/23	BAW	
21	5/18/23	BAW	
22	5/18/23	BAW	
23	5/18/23	BAW	
24	5/18/23	BAW	
25	5/18/23	BAW	
26	5/18/23	BAW	
27	5/18/23	BAW	
28	5/18/23	BAW	
29	5/18/23	BAW	
30	5/18/23	BAW	
31	5/18/23	BAW	
32	5/18/23	BAW	
33	5/18/23	BAW	
34	5/18/23	BAW	
35	5/18/23	BAW	
36	5/18/23	BAW	
37	5/18/23	BAW	
38	5/18/23	BAW	
39	5/18/23	BAW	
40	5/18/23	BAW	
41	5/18/23	BAW	
42	5/18/23	BAW	
43	5/18/23	BAW	
44	5/18/23	BAW	
45	5/18/23	BAW	
46	5/18/23	BAW	
47	5/18/23	BAW	
48	5/18/23	BAW	
49	5/18/23	BAW	
50	5/18/23	BAW	

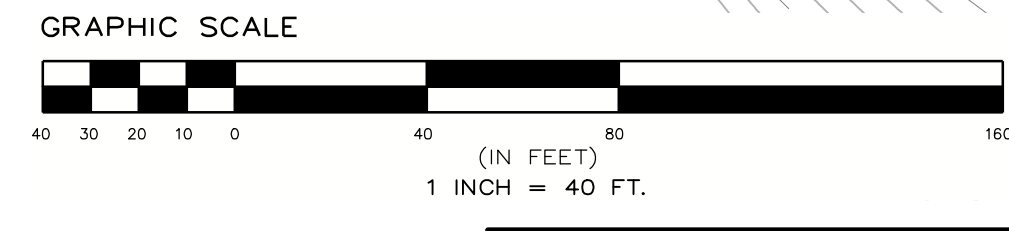
SCALE:
1" = 40'
NOT FOR CONSTRUCTION
 SHEET TITLE:
EROSION, LAYOUT, AND MATERIALS PLAN

SHEET:
C-311



EROSION, LAYOUT, AND MATERIALS PLAN LEGEND

- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USACE WETLAND AREAS
- TEMPORARY EROSION CONTROL BLANKET (ON SLOPES 3:1 AND STEEPER) (2 C-500)
- FIXED KNOT FARM FENCE (4 C-501)
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS) (10 C-502)
- MEDIUM VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS) (2 C-502)
- UNDERGROUND ELECTRIC TRENCH (SEE ELECTRICAL PLANS FOR DETAILS) (3 C-502)
- PROPOSED CONTOUR
- PROPOSED SILT FENCE (4 C-500)
- PROPOSED CHECK DAM (10 C-500)
- STORMWATER MANAGEMENT FACILITY NOTIFICATION SIGN
- CONCRETE WASHOUT FACILITY (1 C-500)
- LIMITS OF DISTURBANCE



FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION

C:\DWGFILES\Environmental_Design_Partnership\SharePoint_Site - Documents\A - R\RENSSELAER\WOODSTOCK_Farms_Rosal\Hawthorn_Solar\05 - Haw\HawthornSolar\05 - R\RENSSELAER\SHEET\C-311.dwg Jul 09, 2023 03:44:53PM

**PROPOSED SITE PLAN FOR
 HAWTHORN SOLAR FARM**
 HAWTHORN SOLAR, LLC
 FORDS ROAD & PINE VALLEY ROAD
 TOWN OF HOOSICK
 RENSSELAER COUNTY, NEW YORK

DRAWN BY	SK
CHECKED BY	SK
DATE	5/18/23
PROJECT NUMBER	13651

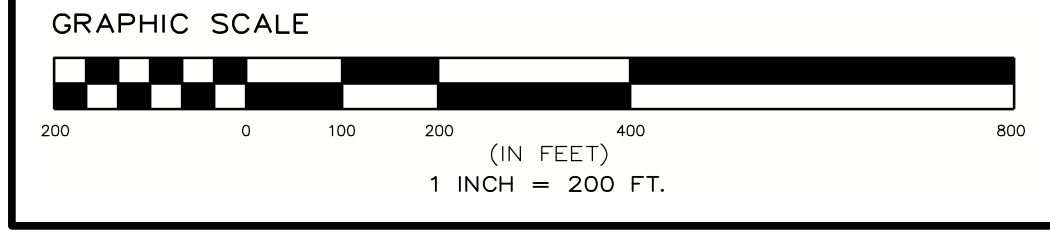
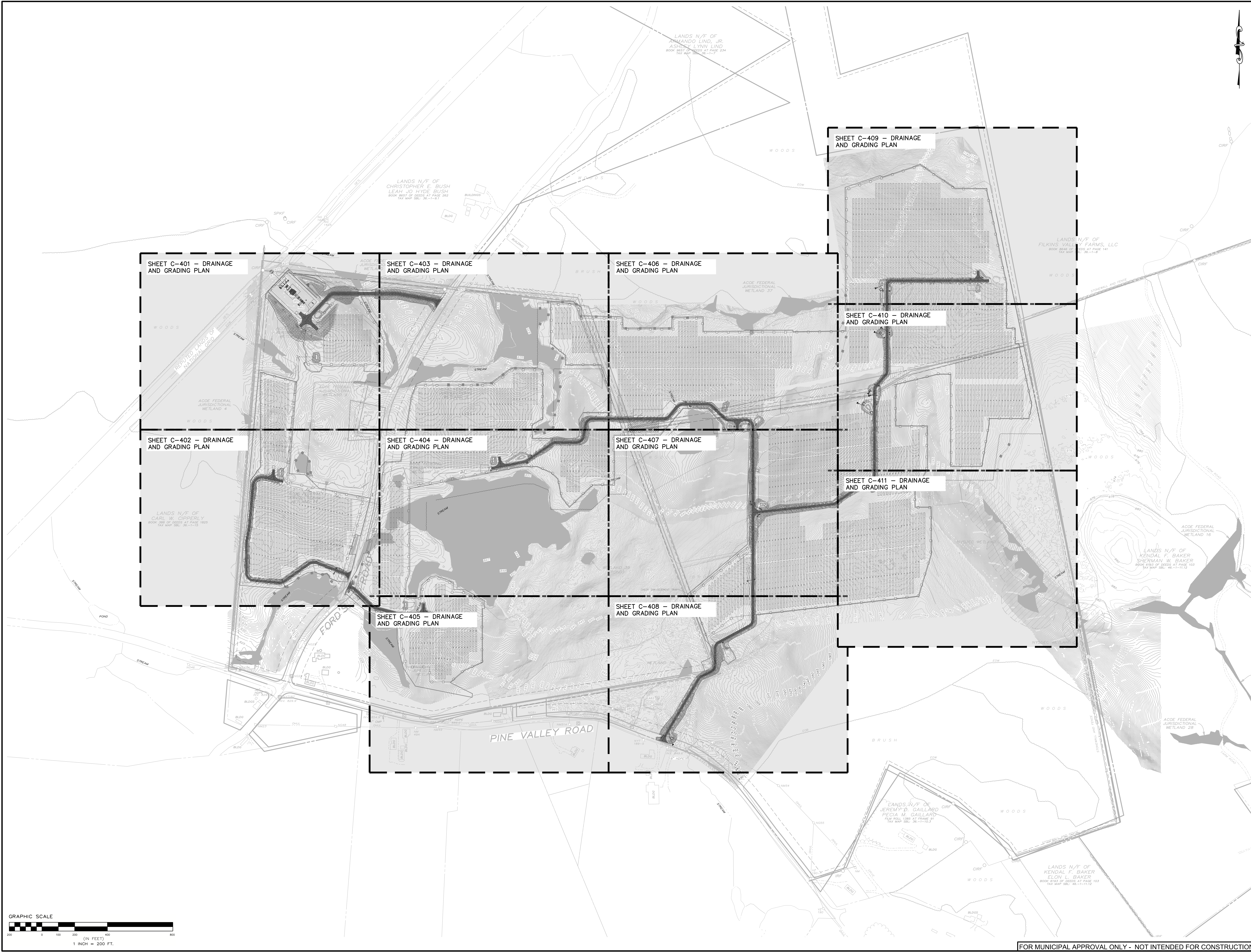
REVISION	DATE	BY
REVISION PER CLIENT COMMENT	4/18/23	SK
REVISION PER CLIENT COMMENT	5/18/23	SK

SCALE: 1" = 200'

NOT FOR CONSTRUCTION

SHEET TITLE:
OVERALL DRAINAGE AND GRADING PLAN

SHEET:
C-400

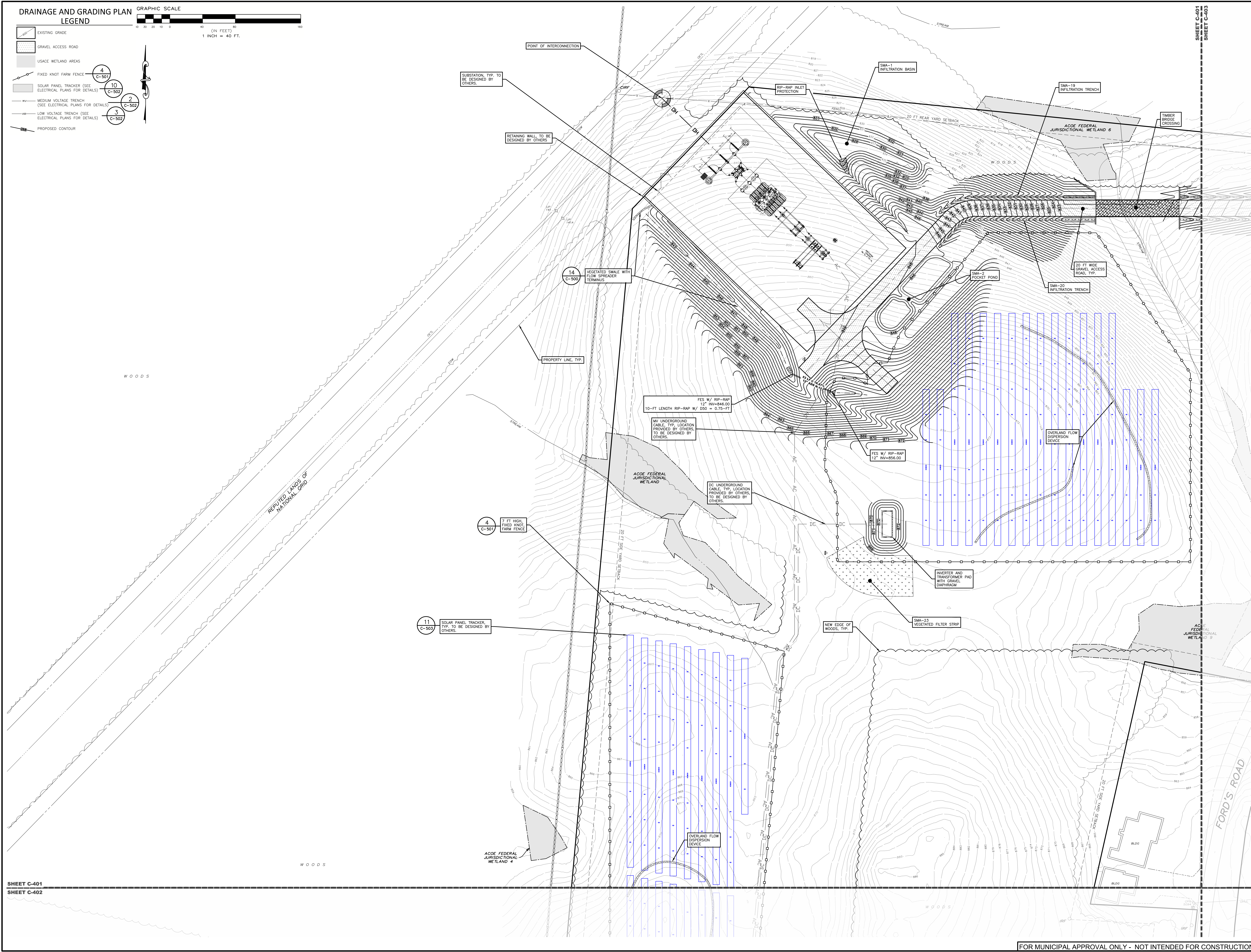


FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION

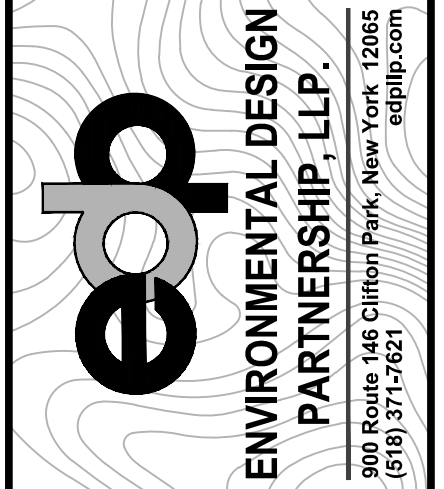
DRAINAGE AND GRADING PLAN



- LEGEND**
- EXISTING GRADE
 - GRAVEL ACCESS ROAD
 - USACE WETLAND AREAS
 - FIXED KNOT FARM FENCE (SEE ELECTRICAL PLANS FOR DETAILS)
 - SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS)
 - MEDIUM VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
 - LOW VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
 - PROPOSED CONTOUR



SHEET C-401
SHEET C-402



TAX MAP No. 36-1-11.1, 36-1-9.2, 36-4-10.1
MARCH 22, 2023

**PROPOSED SITE PLAN FOR
HAWTHORN SOLAR FARM**
HAWTHORN SOLAR, LLC
FORDS ROAD & PINE VALLEY ROAD
TOWN OF HOOSICK
RENSELAER COUNTY, NEW YORK

DRAWN BY	DT
CHECKED BY	DT
PER PROJECT NUMBER	13661

REVISION

REVISION	DATE	BY
REVISION PER CLIENT COMMENT	4/18/23	DT
REVISION PER CLIENT COMMENT	5/16/23	DT

SCALE:
1" = 40'

NOT FOR CONSTRUCTION

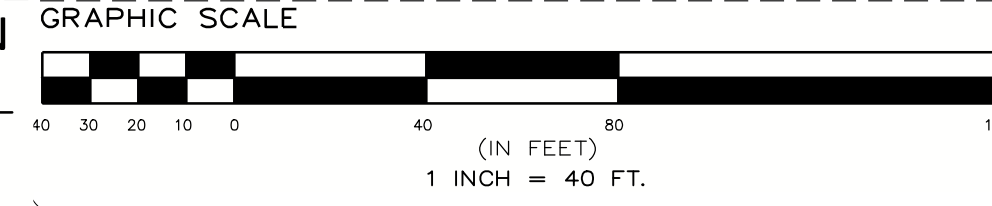
SHEET TITLE:
DRAINAGE AND GRADING PLAN

SHEET:
C-401

FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION

DRAINAGE AND GRADING PLAN
LEGEND

- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USACE WETLAND AREAS
- FIXED KNOT FARM FENCE
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS)
- MEDIUM VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- LOW VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- PROPOSED CONTOUR



LANDS N/F OF
CARL W. CIPPERLY
BOOK 208 OF RECORDS AT PAGE 1829
TAX MAP 080, 06-11-19



PROPOSED SITE PLAN FOR
HAWTHORN SOLAR FARM
HAWTHORN SOLAR, LLC
FORDS ROAD & PINE VALLEY ROAD
TOWN OF HOOSICK
RENSSELAER COUNTY, NEW YORK

DESIGNED BY	DATE
CHECKED BY	DATE
PROJECT NUMBER	13661

REVISION	DATE	BY
REVISIONS PER CLIENT COMMENT	4/18/23	SM
REVISIONS PER CLIENT COMMENT	5/16/23	SM

SCALE: 1" = 40'

NOT FOR CONSTRUCTION

SHEET TITLE:
DRAINAGE AND GRADING PLAN

SHEET:
C-402

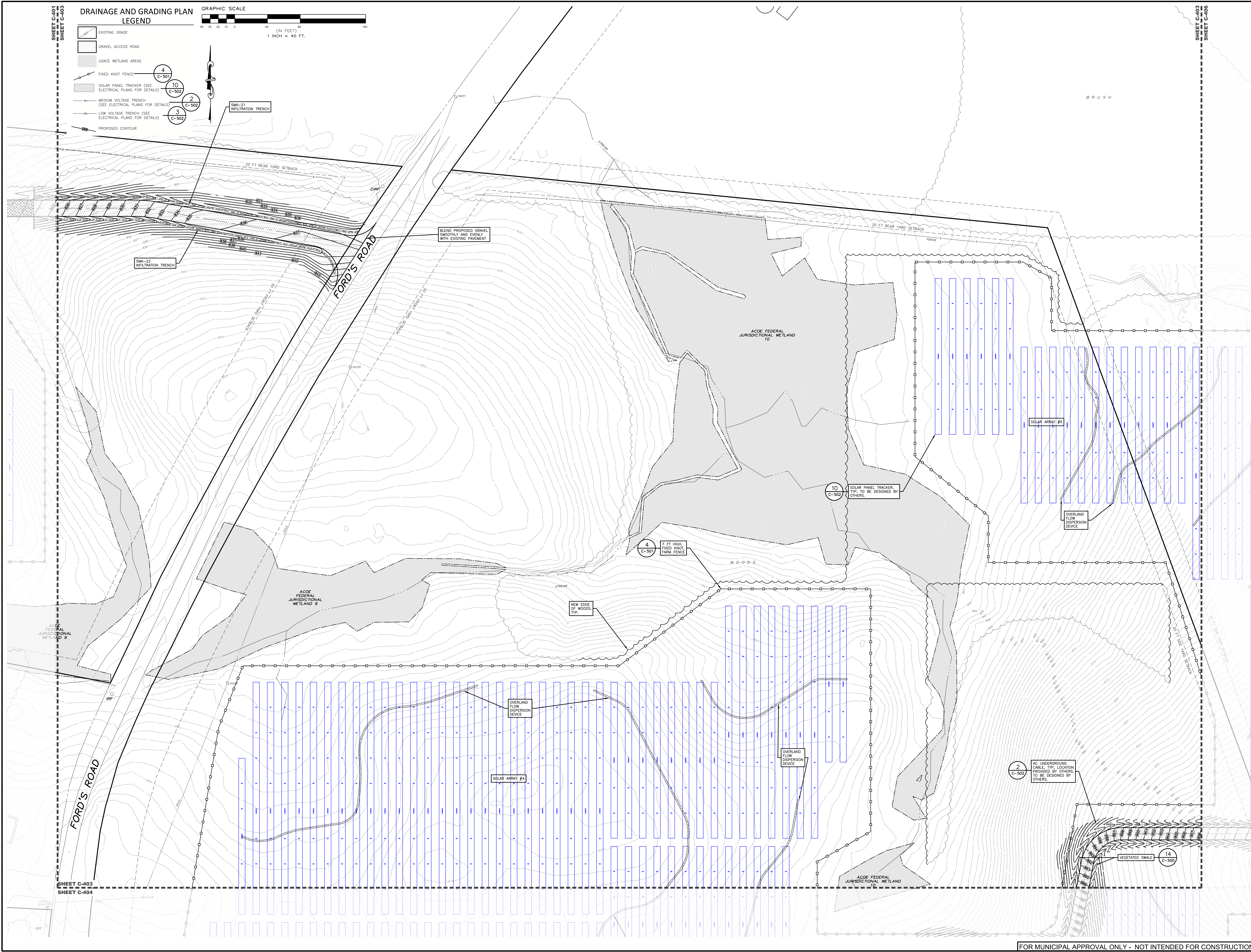
FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION

**PROPOSED SITE PLAN FOR
 HAWTHORN SOLAR FARM**
 HAWTHORN SOLAR, LLC
 FORDS ROAD & PINE VALLEY ROAD
 TOWN OF HOOSICK
 RENSSELAER COUNTY, NEW YORK

DRAWN BY:	FR	
CHECKED BY:	SP	
PROJECT NUMBER:	1361	
<small>IN A PORTION OF THE JURISDICTION OF ANY LOCAL GOVERNMENT, THE DESIGN PROFESSIONAL'S LIABILITY SHALL BE LIMITED TO THE DESIGN PROFESSIONAL'S LIABILITY AS A PROFESSIONAL ENGINEER OR ARCHITECT AS APPLICABLE TO THE SERVICES PROVIDED BY THE DESIGN PROFESSIONAL AND SHALL NOT BE EXTENDED TO ANY OTHER PROFESSIONAL SERVICE PROVIDED BY THE DESIGN PROFESSIONAL.</small>		
REVISION	DATE	BY
REVISIONS PER CLIENT COMMENT	4/19/23	FR
REVISIONS PER CLIENT COMMENT	5/16/23	FR

SCALE:	1" = 40'
NOT FOR CONSTRUCTION	
SHEET TITLE:	
DRAINAGE AND GRADING PLAN	
SHEET:	
C-403	

FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION



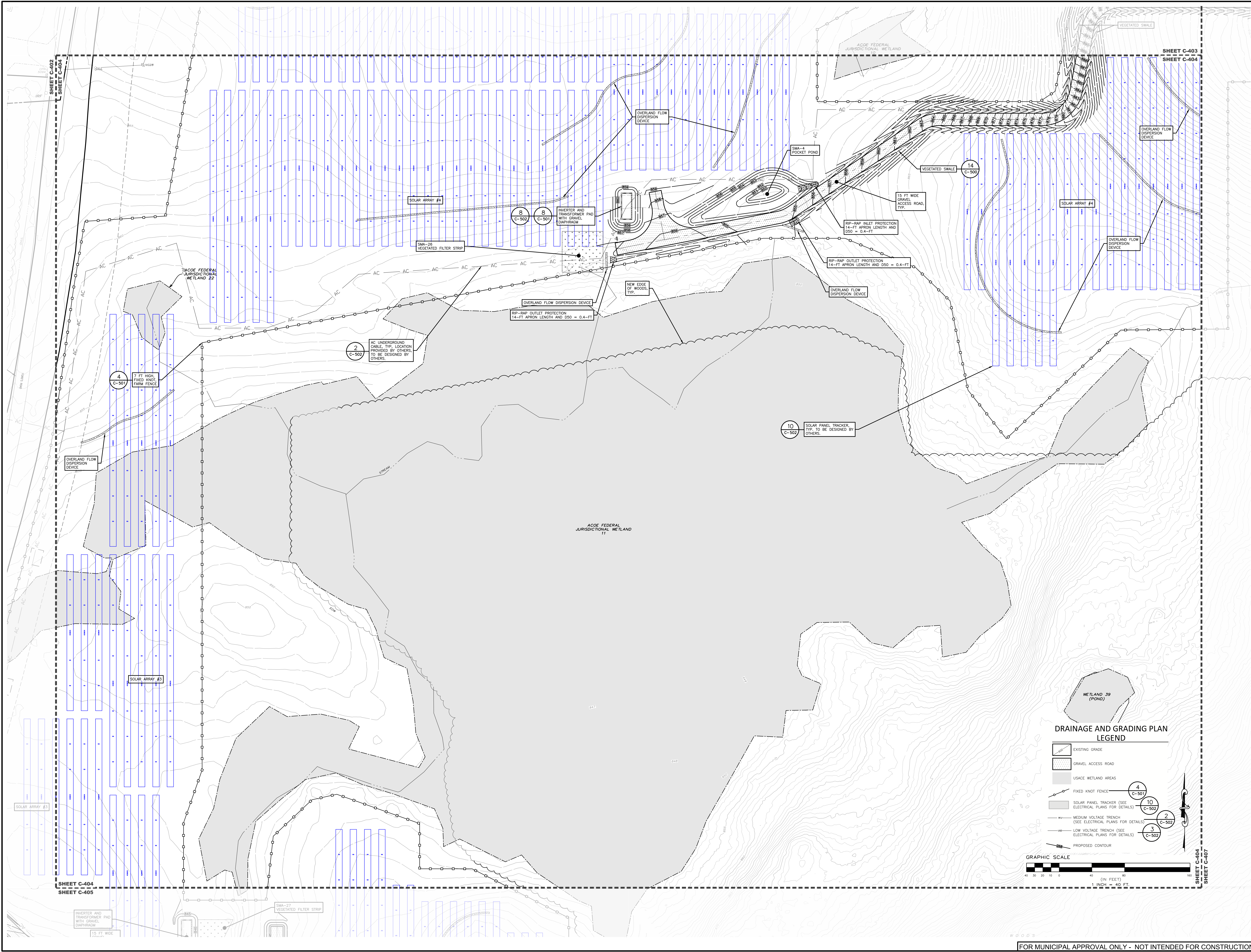
DRAINAGE AND GRADING PLAN LEGEND

- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USACE WETLAND AREAS
- FIXED KNOT FENCE
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS)
- MEDIUM VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- LOW VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- PROPOSED CONTOUR

GRAPHIC SCALE
 40 30 20 10 0 (IN FEET)
 1 INCH = 40 FT.

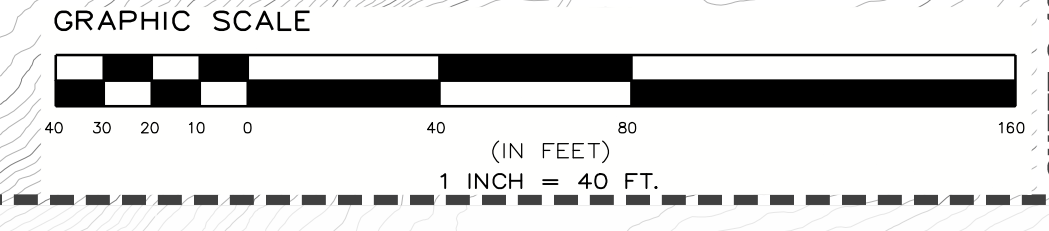
SHEET C-403
 SHEET C-404

SHEET C-403
 SHEET C-406



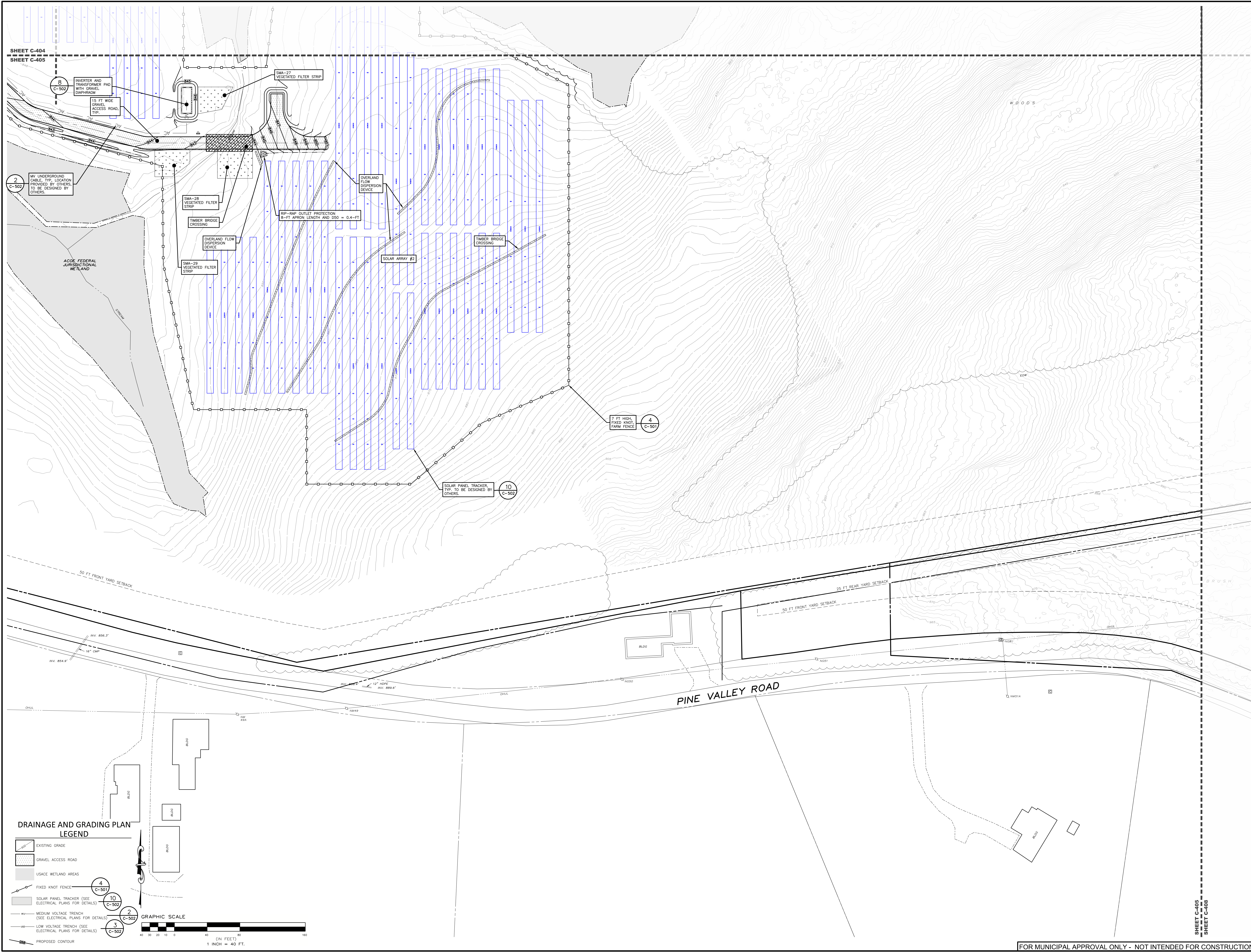
**DRAINAGE AND GRADING PLAN
LEGEND**

- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USACE WETLAND AREAS
- FIXED KNOT FENCE (SEE ELECTRICAL PLANS FOR DETAILS)
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS)
- MEDIUM VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- LOW VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- PROPOSED CONTOUR

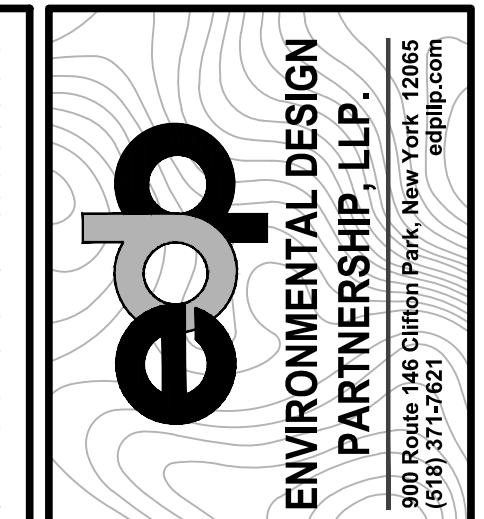
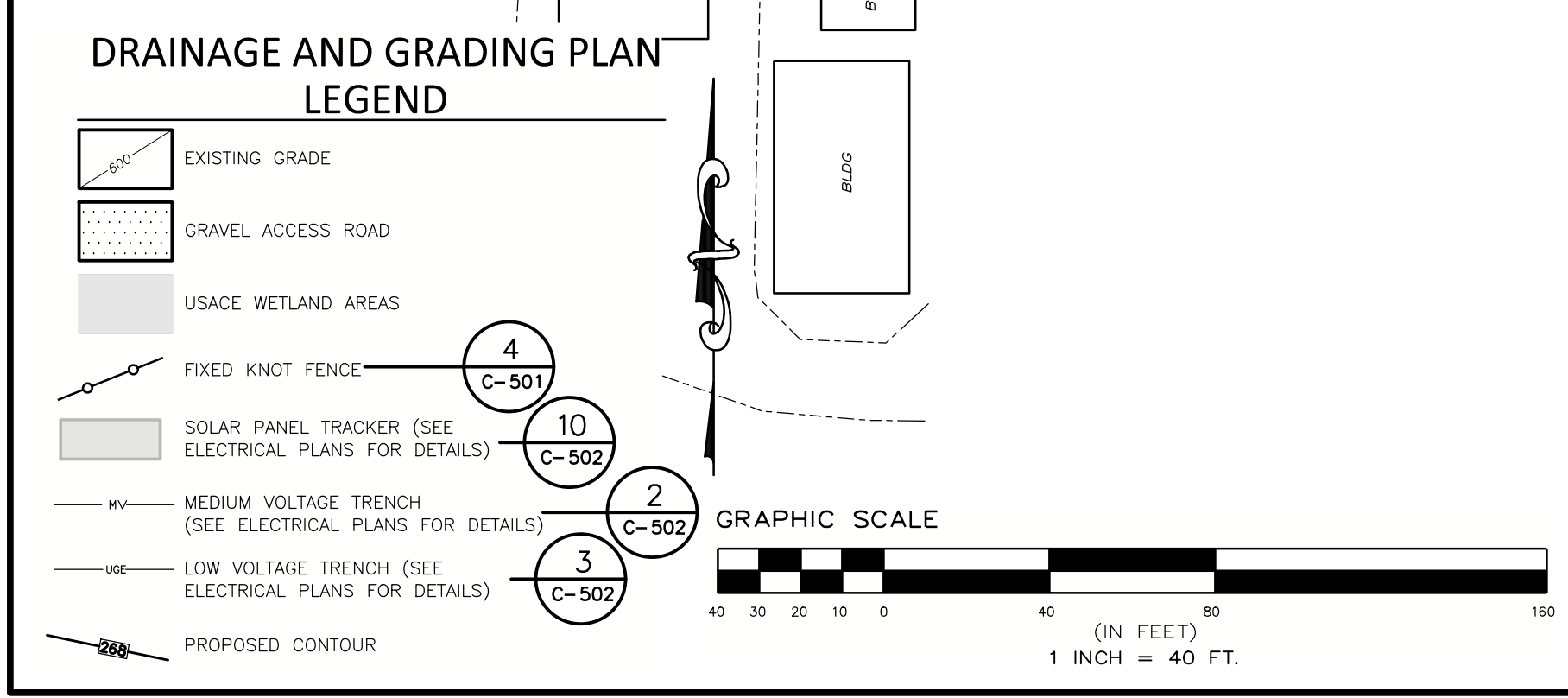
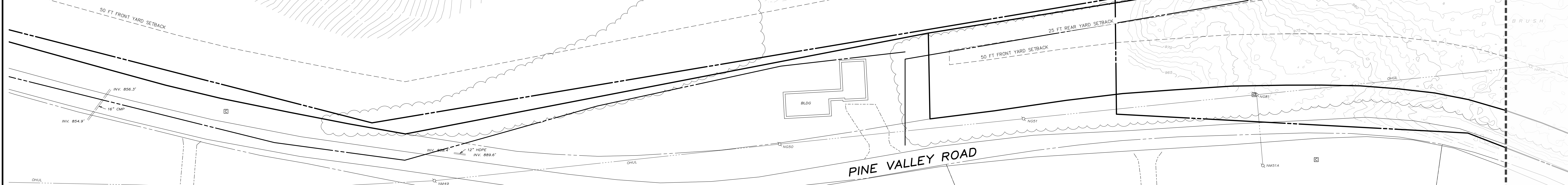
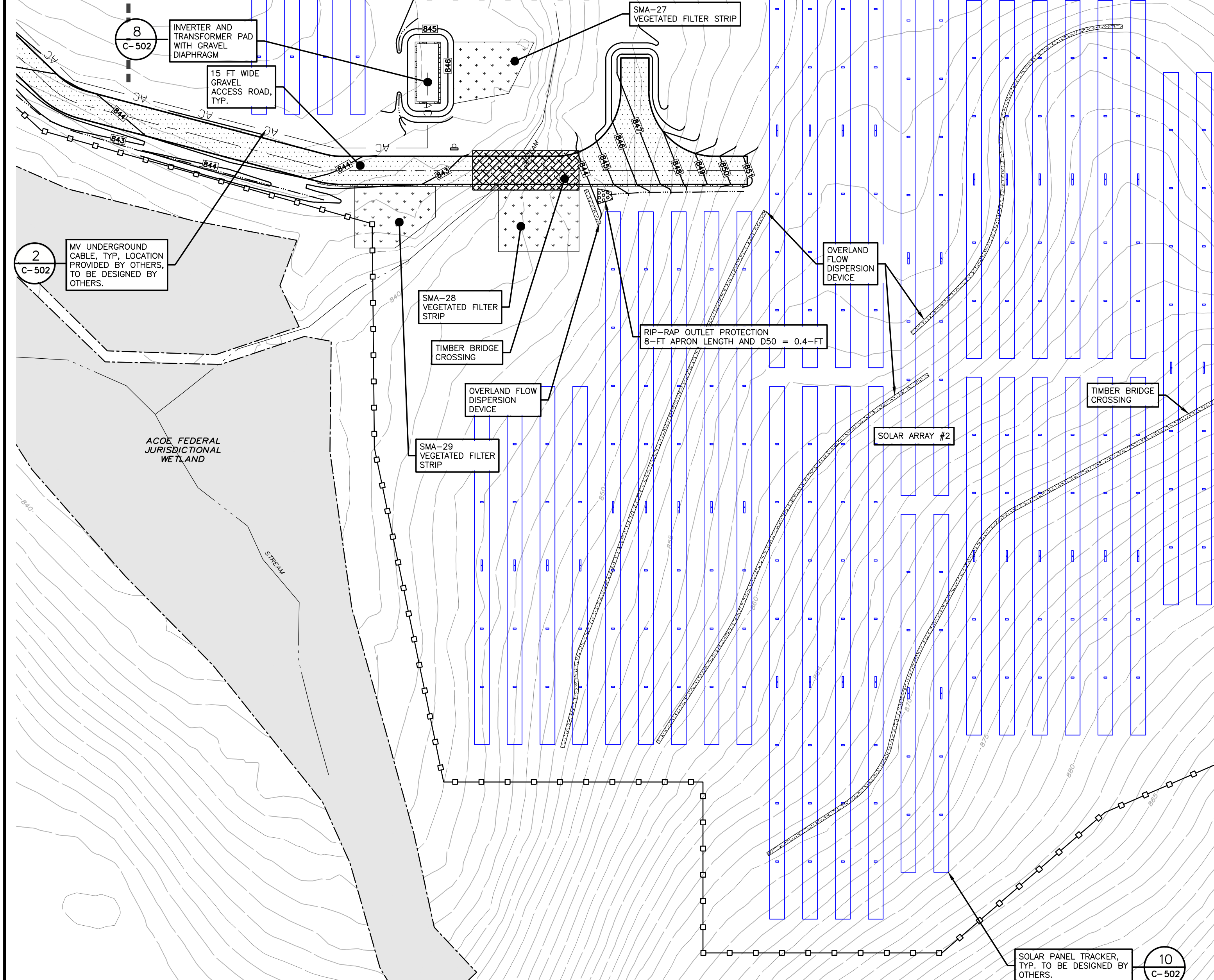


**PROPOSED SITE PLAN FOR
HAWTHORN SOLAR FARM**
HAWTHORN SOLAR, LLC
FORDS ROAD & PINE VALLEY ROAD
TOWN OF HOOSICK
RENSELAER COUNTY, NEW YORK

NO.	REVISION	DATE	BY
1	ISSUED FOR PERMIT	4/10/23	SM
2	REVISION PER CLIENT COMMENT	5/16/23	SM



SHEET C-404
SHEET C-405



TAX MAP No. 36-1-11.1, 36-1-9.2, 36-4-10.1
MARCH 22, 2023

**PROPOSED SITE PLAN FOR
HAWTHORN SOLAR FARM**
HAWTHORN SOLAR, LLC
FORDS ROAD & PINE VALLEY ROAD
TOWN OF HOOSICK
RENSELAER COUNTY, NEW YORK

DRAWN BY	FR
CHECKED BY	DK
DATE	1/26/23
PROJECT NUMBER	13661

REVISION	DATE	BY
REVISIONS PER CLIENT COMMENT	4/26/23	DK
REVISIONS PER CLIENT COMMENT	5/12/23	DK

SCALE:	1" = 40'
NOT FOR CONSTRUCTION	
SHEET TITLE:	DRAINAGE AND GRADING PLAN
SHEET:	C-405

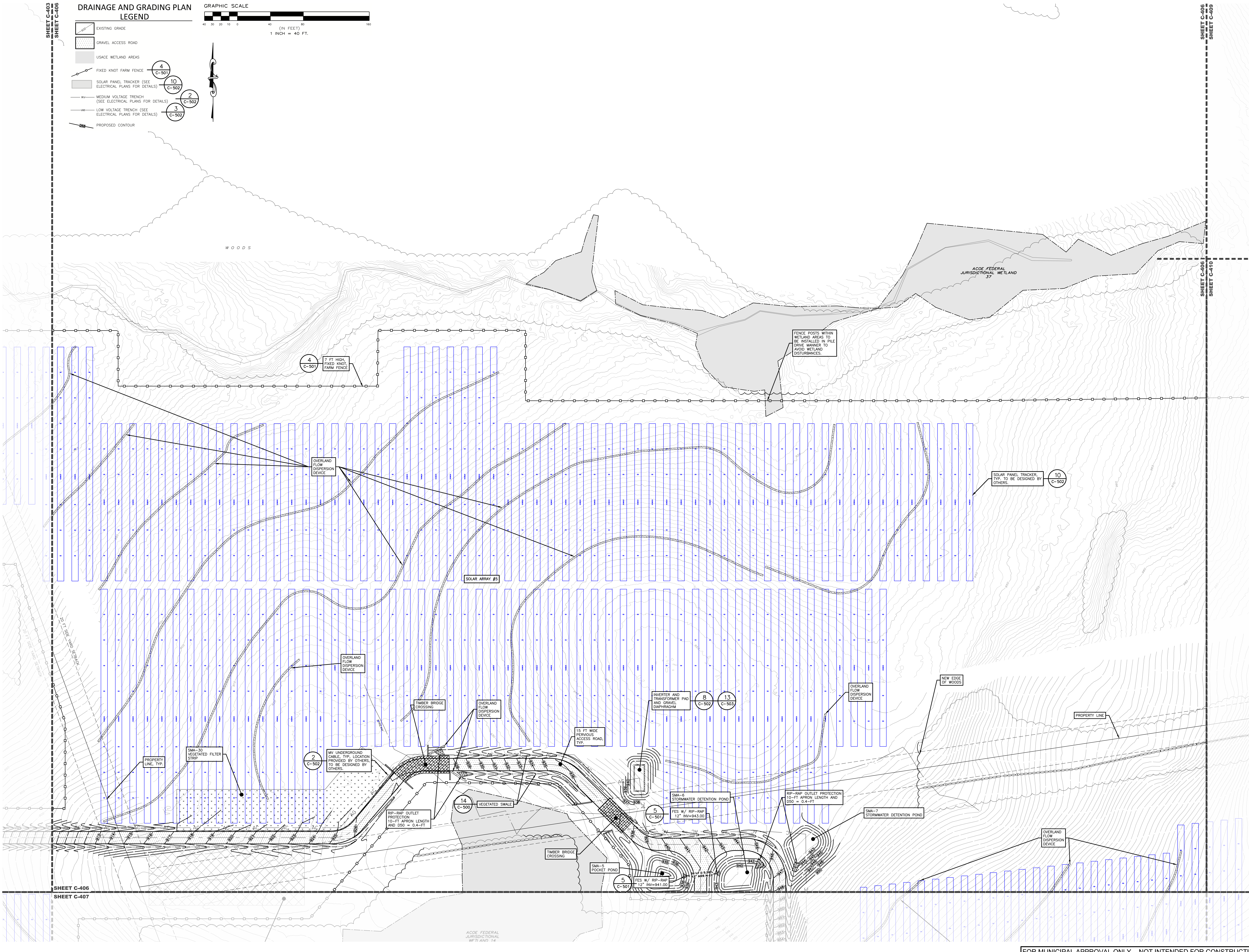
FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION

C:\DWGFILES\Environmental Design Partnership\SharePoint_Site - Documents\A - 2\RenSelaer\Hawthorn Solar\05 - Drain\Setback\SHEET\C-405 - C-405.dwg Jul 28, 2023 03:16:31PM

SHEET C-403
SHEET C-406
SHEET C-409

DRAINAGE AND GRADING PLAN LEGEND

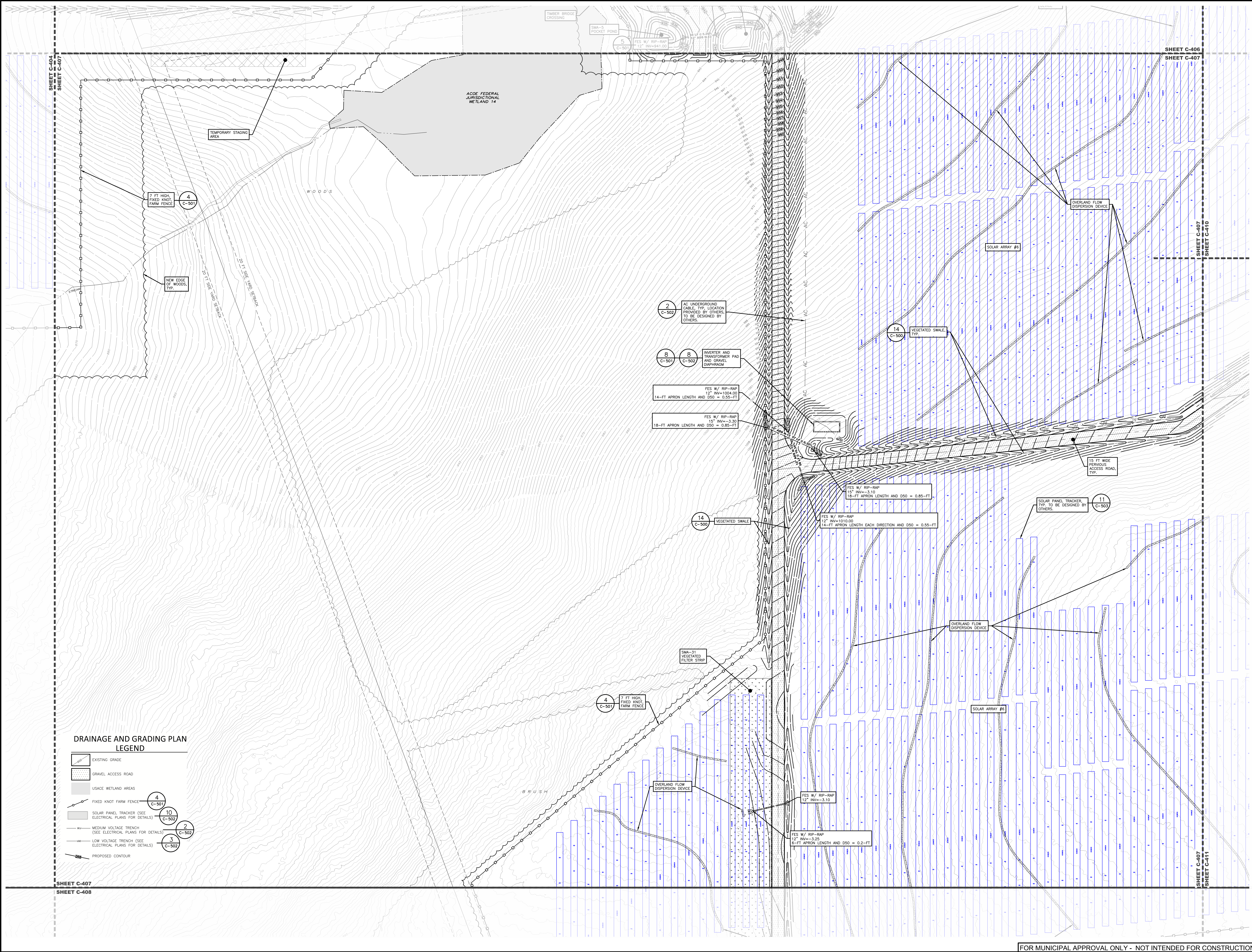
- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USAGE WETLAND AREAS
- FIXED KNOT FARM FENCE
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS)
- MEDIUM VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- LOW VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- PROPOSED CONTOUR



**PROPOSED SITE PLAN FOR
HAWTHORN SOLAR FARM**
HAWTHORN SOLAR, LLC
FORDS ROAD & PINE VALLEY ROAD
TOWN OF HOOSICK
RENSELAER COUNTY, NEW YORK

DRAWN BY	DATE
CHECKED BY	DATE
PROJECT NUMBER	1361
<small>THE PRESENCE OF THIS DOCUMENT IN ANY FORM OR MANNER DOES NOT CONSTITUTE AN ENDORSEMENT OR A GUARANTEE OF THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. THE USER OF THIS DOCUMENT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES.</small>	
REVISION	DATE
REVISION PER CLIENT COMMENT	4/18/23
REVISION PER CLIENT COMMENT	5/16/23
SCALE:	1" = 40'
NOT FOR CONSTRUCTION	
DRAINAGE AND GRADING PLAN	
SHEET: C-406 of 13	

FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION



**DRAINAGE AND GRADING PLAN
LEGEND**

- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USACE WETLAND AREAS
- FIXED KNOT FARM FENCE
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS)
- MEDIUM VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- LOW VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- PROPOSED CONTOUR

4
C-501

10
C-502

2
C-502

3
C-502

2
C-502 AC UNDERGROUND CABLE, TYP. LOCATION PROVIDED BY OTHERS. TO BE DESIGNED BY OTHERS.

8
C-501 8
C-502 INVERTER AND TRANSFORMER PAD AND GRAVEL DIAPHRAGM

14-FT APRON LENGTH AND D50 = 0.55-FT
FES W/ RIP-RAP
12" INV=1008.00

18-FT APRON LENGTH AND D50 = 0.85-FT
FES W/ RIP-RAP
15" INV=998.00

14
C-500 VEGETATED SWALE, TYP.

14
C-500 VEGETATED SWALE

FES W/ RIP-RAP
15" INV=998.00
18-FT APRON LENGTH AND D50 = 0.85-FT

FES W/ RIP-RAP
12" INV=1010.00
14-FT APRON LENGTH EACH DIRECTION AND D50 = 0.55-FT

15 FT WIDE PERVIOUS ACCESS ROAD, TYP.

11
C-503 SOLAR PANEL TRACKER TYP. TO BE DESIGNED BY OTHERS.

OVERLAND FLOW DISPERSION DEVICE

SOLAR ARRAY #6

FES W/ RIP-RAP
12" INV=998.00
6-FT APRON LENGTH AND D50 = 0.2-FT

FES W/ RIP-RAP
12" INV=998.00
6-FT APRON LENGTH AND D50 = 0.2-FT

4
C-501 7 FT HIGH, FIXED KNOT, FARM FENCE

OVERLAND FLOW DISPERSION DEVICE

SMA-31 VEGETATED FILTER STRIP

TEMPORARY STAGING AREA

NEW EDGE OF WOODS, TYP.

4
C-501 7 FT HIGH, FIXED KNOT, FARM FENCE

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

13.00' 13.00' 13.00' 13.00' 13.00'

SHEET C-404
SHEET C-405
SHEET C-406
SHEET C-407
SHEET C-410
SHEET C-407
SHEET C-411

**PROPOSED SITE PLAN FOR
HAWTHORN SOLAR FARM**
HAWTHORN SOLAR, LLC
FORDS ROAD & PINE VALLEY ROAD
TOWN OF HOESICK
RENSSELAER COUNTY, NEW YORK

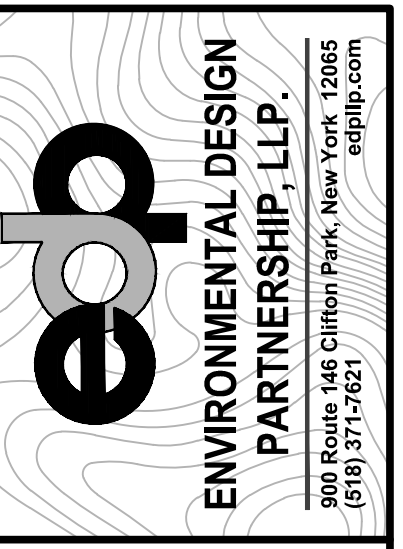
DRAWN BY:	ST
CHECKED BY:	ST
DATE:	1/26/21
PROJECT NUMBER:	13621
<small>THE INFORMATION CONTAINED HEREIN IS FOR GENERAL INFORMATION ONLY AND DOES NOT CONSTITUTE AN OFFER OF ANY FINANCIAL PRODUCT OR SERVICE. THE INFORMATION CONTAINED HEREIN IS NOT INTENDED TO BE USED AS A BASIS FOR ANY INVESTMENT DECISION. THE INFORMATION CONTAINED HEREIN IS NOT INTENDED TO BE USED AS A BASIS FOR ANY INVESTMENT DECISION. THE INFORMATION CONTAINED HEREIN IS NOT INTENDED TO BE USED AS A BASIS FOR ANY INVESTMENT DECISION.</small>	
REVISION:	DATE:
REVISION PER CLIENT COMMENT:	4/28/21
REVISION PER CLIENT COMMENT:	5/18/21

SCALE: 1" = 40'

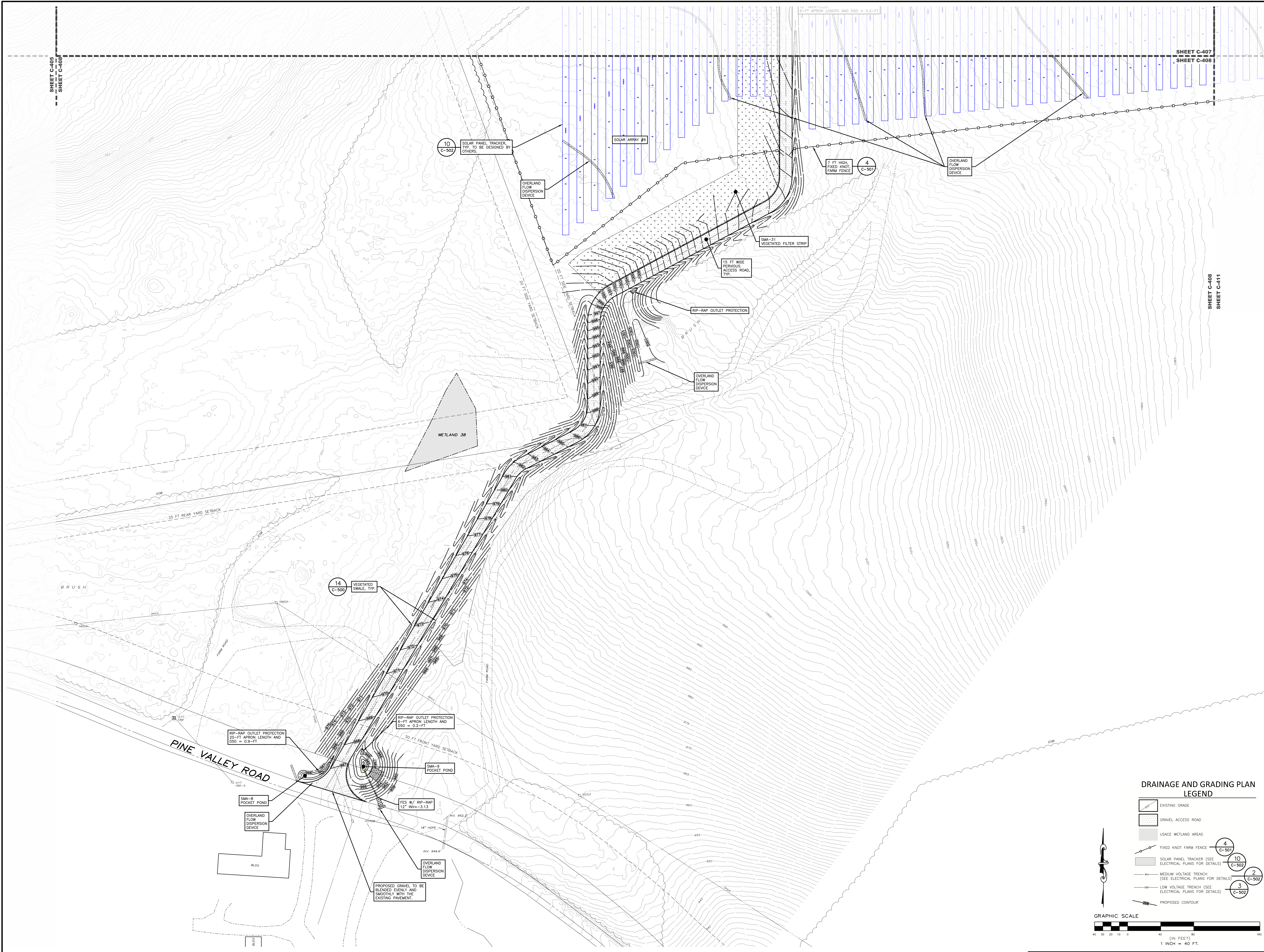
NOT FOR CONSTRUCTION

SHEET TITLE: DRAINAGE AND GRADING PLAN

SHEET: C-407

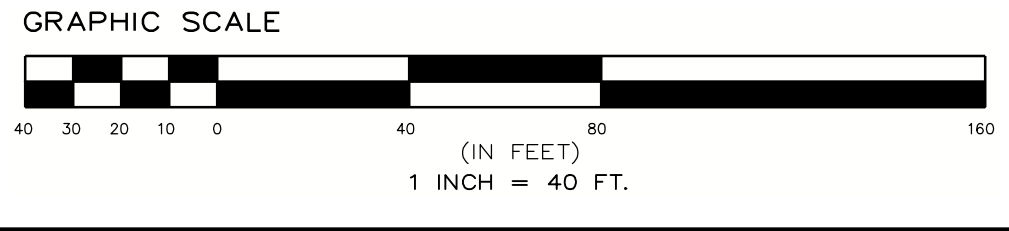


TAX MAP No. 36-1-11.1, 36-1-9.2, 36-1-10.1
MARCH 22, 2023



**DRAINAGE AND GRADING PLAN
LEGEND**

- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USAGE WETLAND AREAS
- FIXED KNOT FARM FENCE
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS)
- MEDIUM VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- LOW VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
- PROPOSED CONTOUR



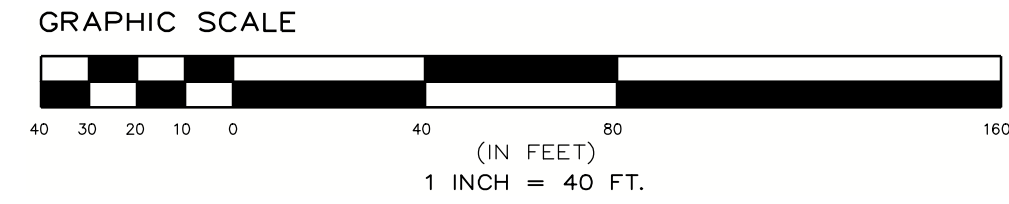
**PROPOSED SITE PLAN FOR
HAWTHORN SOLAR FARM**
HAWTHORN SOLAR, LLC
FORDS ROAD & PINE VALLEY ROAD
TOWN OF HOOSICK
RENSELAER COUNTY, NEW YORK

DRAWN BY:	FR
CHECKED BY:	SKA
PROJECT NUMBER:	1361
DATE:	5/18/23
REVISION PER CLIENT COMMENT:	5/18/23
REVISION PER CLIENT COMMENT:	5/18/23

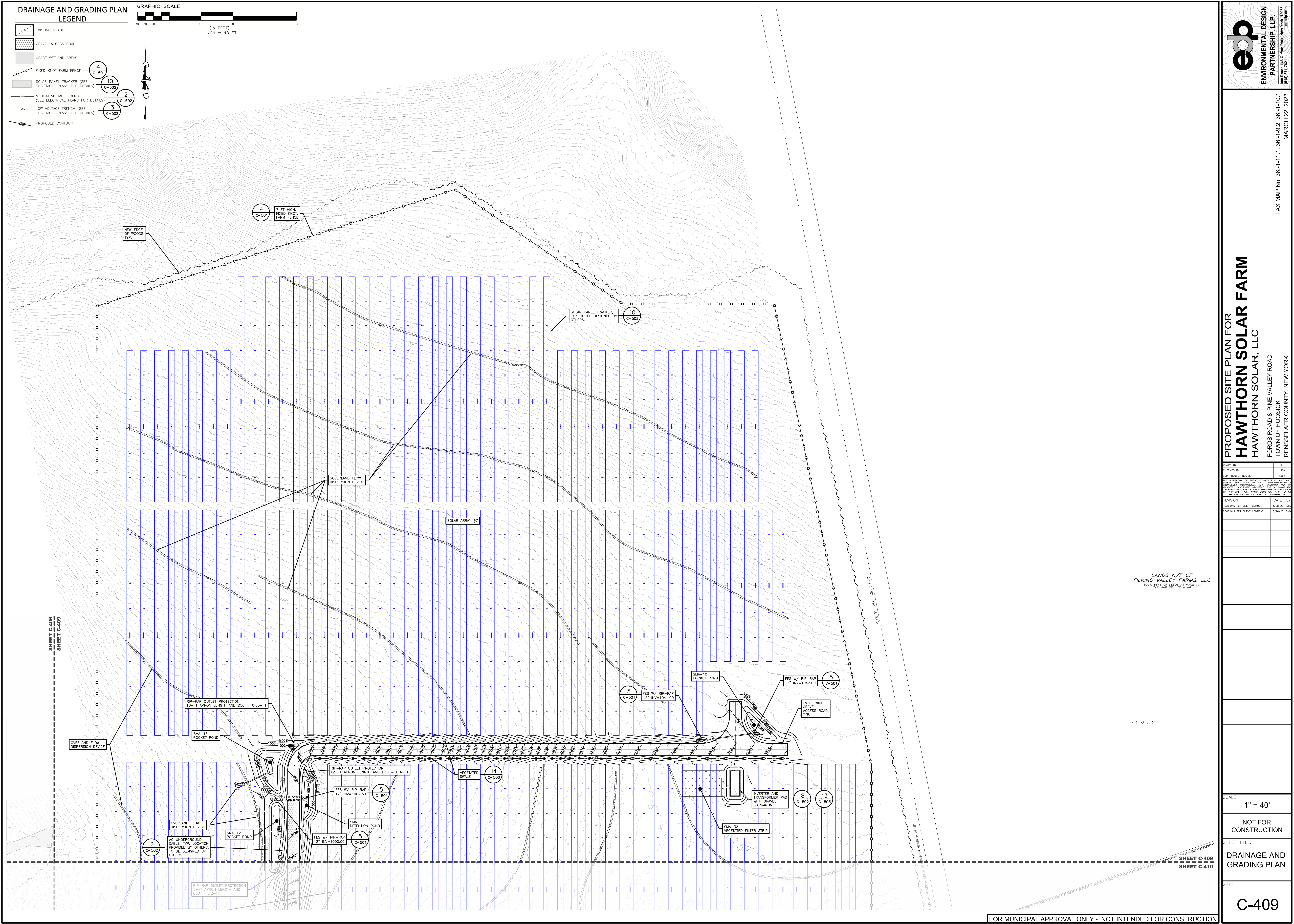
SCALE:	1" = 40'
SHEET TITLE:	DRAINAGE AND GRADING PLAN
SHEET:	C-408

FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION

DRAINAGE AND GRADING PLAN

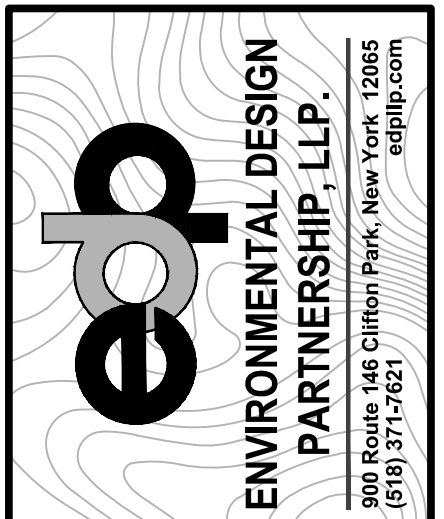


- LEGEND**
- EXISTING GRADE
 - GRAVEL ACCESS ROAD
 - USACE WETLAND AREAS
 - FIXED KNOT FARM FENCE
 - SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS)
 - MEDIUM VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
 - LOW VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS)
 - PROPOSED CONTOUR



LANDS N/F OF
 FILKINS VALLEY FARMS, LLC
 9008 HWY 57 CROSS ST. P.O. BOX 141
 TAX MAP 36-1-1-B

WOODS



ENVIRONMENTAL DESIGN PARTNERS LLP
 908 Route 446 Clifton Park, New York 12065
 (518) 527-0421

PROPOSED SITE PLAN FOR HAWTHORN SOLAR FARM
 HAWTHORN SOLAR, LLC
 FORDS ROAD & PINE VALLEY ROAD
 TOWN OF HOOSICK
 RENSSELAER COUNTY, NEW YORK

DRAWN BY	FR	
CHECKED BY	SK	
PROJECT NUMBER	13651	
DATE	5/18/23	
REVISION	DATE	BY
REVISION PER CLIENT COMMENT	5/18/23	SK
REVISION PER CLIENT COMMENT	5/18/23	SK

SCALE: **1" = 40'**

NOT FOR CONSTRUCTION

SHEET TITLE: **DRAINAGE AND GRADING PLAN**

SHEET: **C-409**

C-409

FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION

DRAWN BY	SK
CHECKED BY	SK
PROJECT NUMBER	13661
DATE	5/18/23
REVISION	DATE
REVISIONS PER CLIENT COMMENT	5/18/23
REVISIONS PER CLIENT COMMENT	5/18/23

SCALE: 1" = 40'

NOT FOR CONSTRUCTION

SHEET TITLE:
DRAINAGE AND GRADING PLAN

SHEET:
C-410

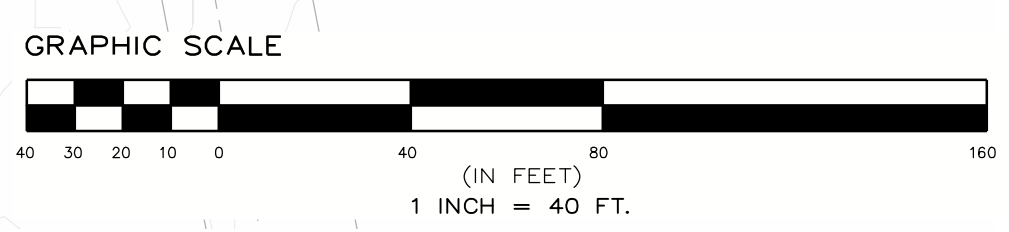
FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION



DRAINAGE AND GRADING PLAN

LEGEND

- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USACE WETLAND AREAS
- FIXED KNOT FARM FENCE (SEE ELECTRICAL PLANS FOR DETAILS) (4 C-501)
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS) (10 C-502)
- MEDIUM VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS) (2 C-502)
- LOW VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS) (3 C-502)
- PROPOSED CONTOUR



SHEET C-406
 SHEET C-410
 SHEET C-407
 SHEET C-410
 SHEET C-410
 SHEET C-411

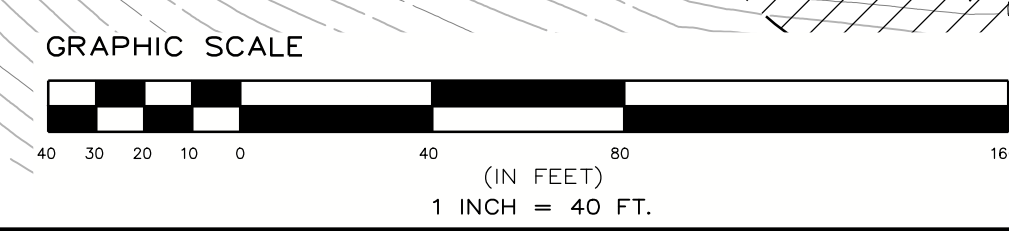
DESIGNED BY	FR	
CHECKED BY	STK	
PROJECT NUMBER	13651	
<small>THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF ENVIRONMENTAL DESIGN PARTNERSHIP, LLP. NO PART OF THESE PLANS OR SPECIFICATIONS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF ENVIRONMENTAL DESIGN PARTNERSHIP, LLP.</small>		
REVISION	DATE	BY
REVISIONS PER CLIENT COMMENT	4/20/23	FR
REVISIONS PER CLIENT COMMENT	5/12/23	FR

SCALE:	1" = 40'
NOT FOR CONSTRUCTION	
SHEET TITLE: DRAINAGE AND GRADING PLAN	
SHEET:	
C-411	



**DRAINAGE AND GRADING PLAN
 LEGEND**

- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USACE WETLAND AREAS
- FIXED KNOT FARM FENCE (4 C-501)
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS) (10 C-502)
- MEDIUM VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS) (2 C-502)
- LOW VOLTAGE TRENCH (SEE ELECTRICAL PLANS FOR DETAILS) (3 C-502)
- PROPOSED CONTOUR



FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION

SHEET C-407
 SHEET C-411

SHEET C-410
 SHEET C-411

NOTES:

OVERLAND FLOW DISPERSION DEVICE TYPE TO BE PER OWNER PREFERENCE OR APPROVED EQUAL CONTRACTOR TO COORDINATE OVERLAND FLOW DISPERSION TYPE WITH ENGINEER AND OWNER PRIOR TO BEGINNING CONSTRUCTION AND ORDERING MATERIALS.

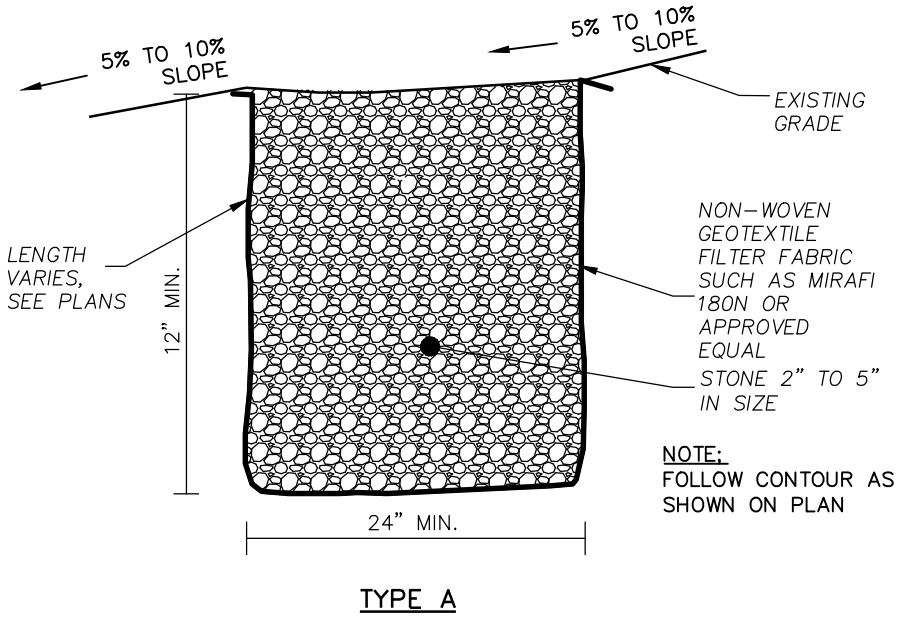
TYPE B TO BE USED ONLY FOR DRAINAGE AREAS 5 ACRES OR LESS.

TYPE C OVERLAND FLOW DISPERSION DEVICES MUST BE COORDINATED WITH FILTERSOX DESIGN TEAM PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION FOR APPROPRIATE DESIGN BASED ON SITE CONDITIONS.

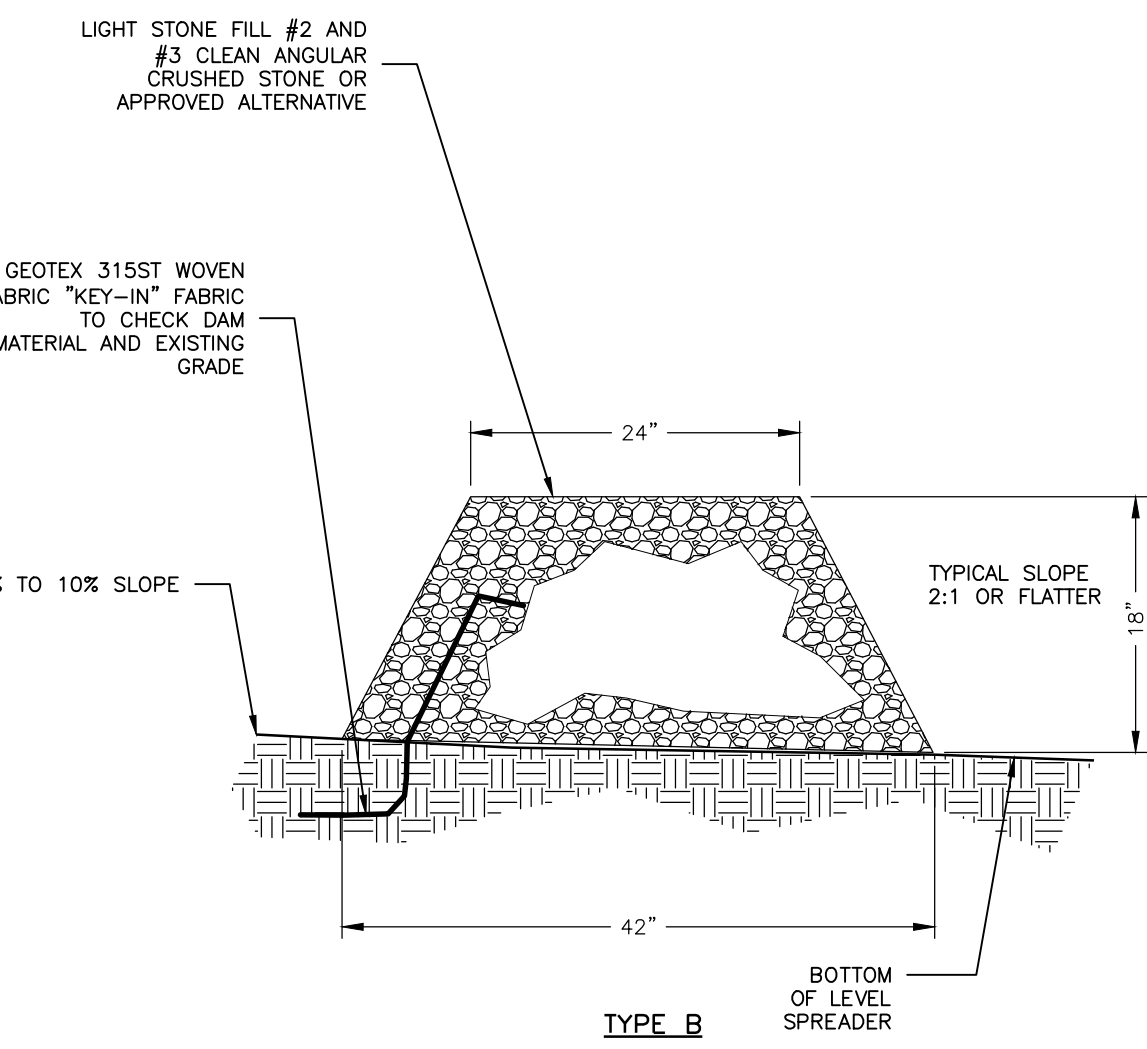
TYPE C OVERLAND FLOW DISPERSION DEVICES TO BE SELECTED AT OWNER/CONTRACTOR RISK.

TYPE C OVERLAND FLOW DISPERSION DEVICES MAY NEED TO BE REPLACED AND/OR REPAIRED MORE FREQUENTLY THAN TYPE A OR B OVERLAND FLOW DISPERSION DEVICES.

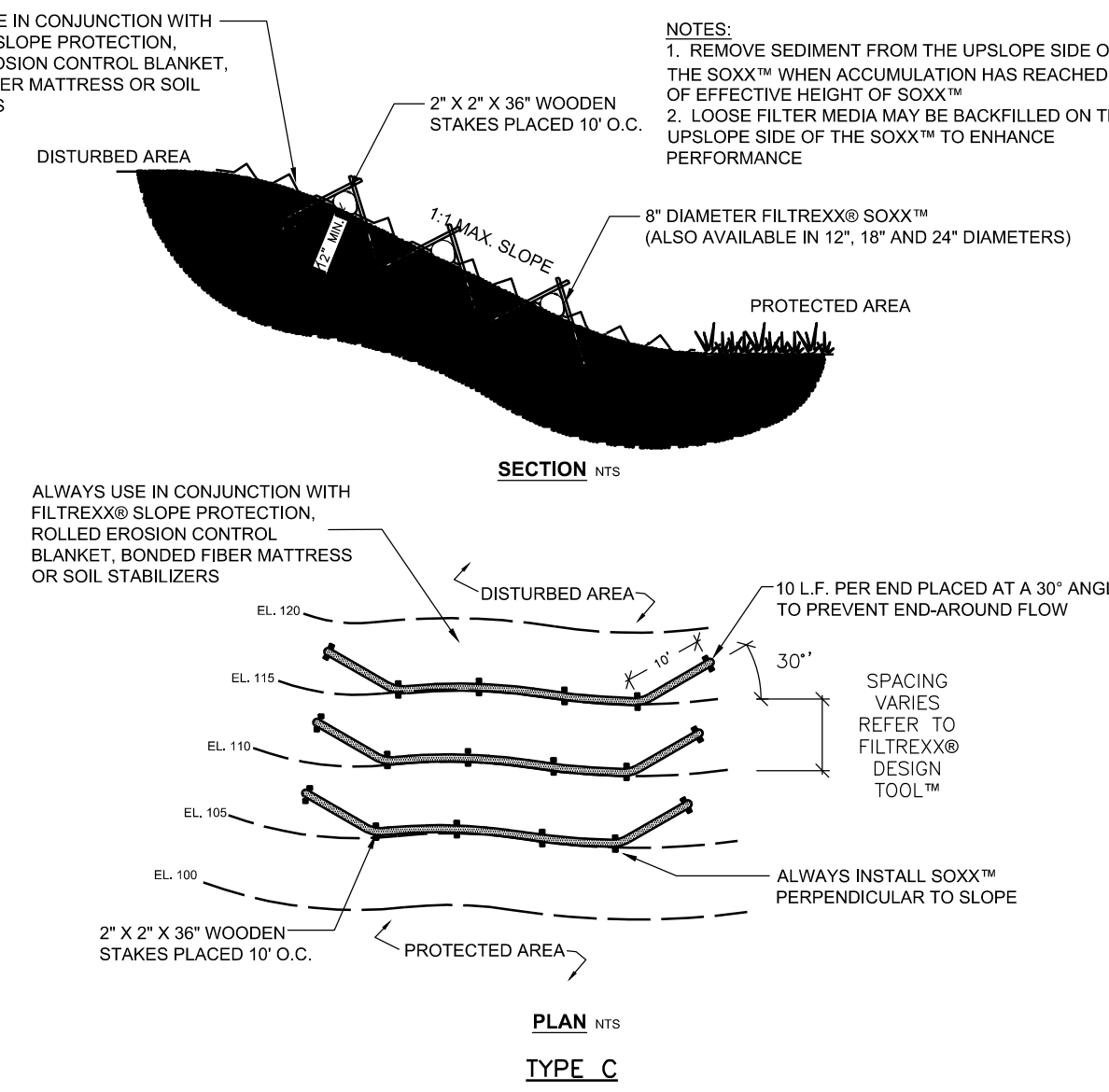
IN THE EVENT OF FAILURE, TYPE C OVERLAND FLOW DISPERSION DEVICES TO BE REMOVED AND REPLACED WITH TYPE A OR B OVERLAND FLOW DISPERSION DEVICES.



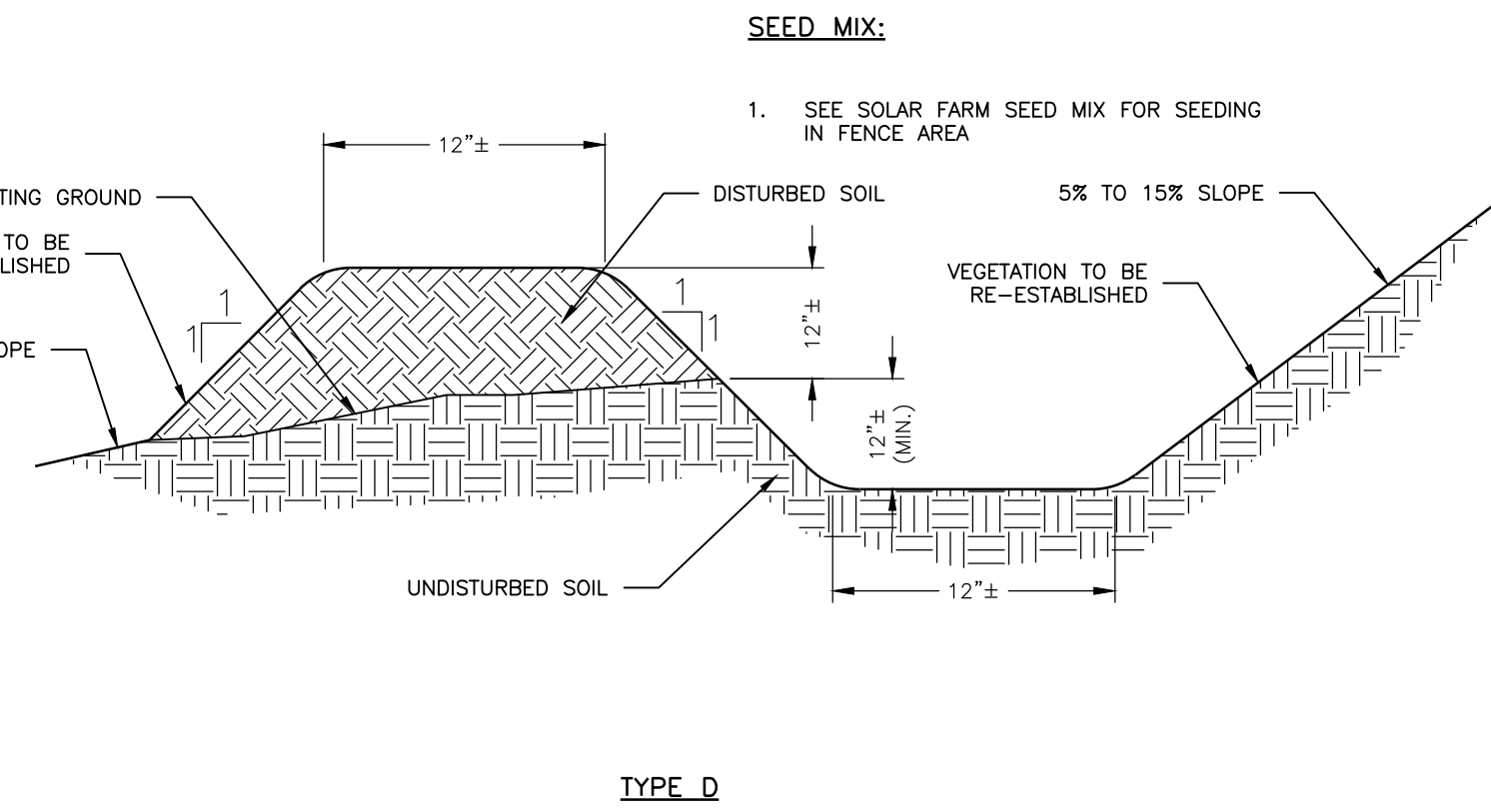
TYPE A



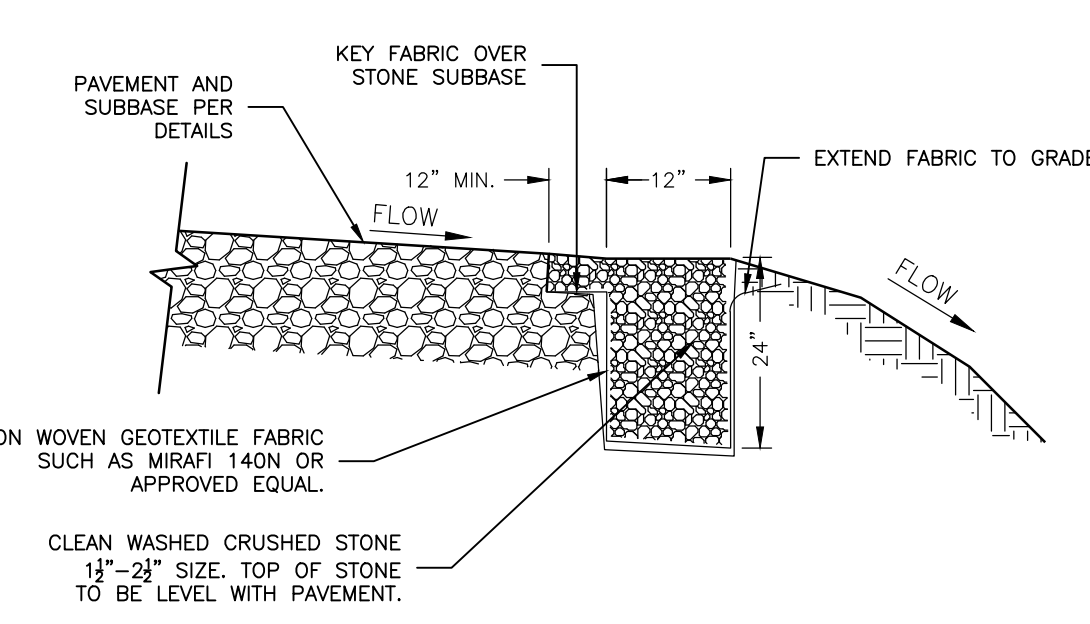
TYPE B



TYPE C



TYPE D



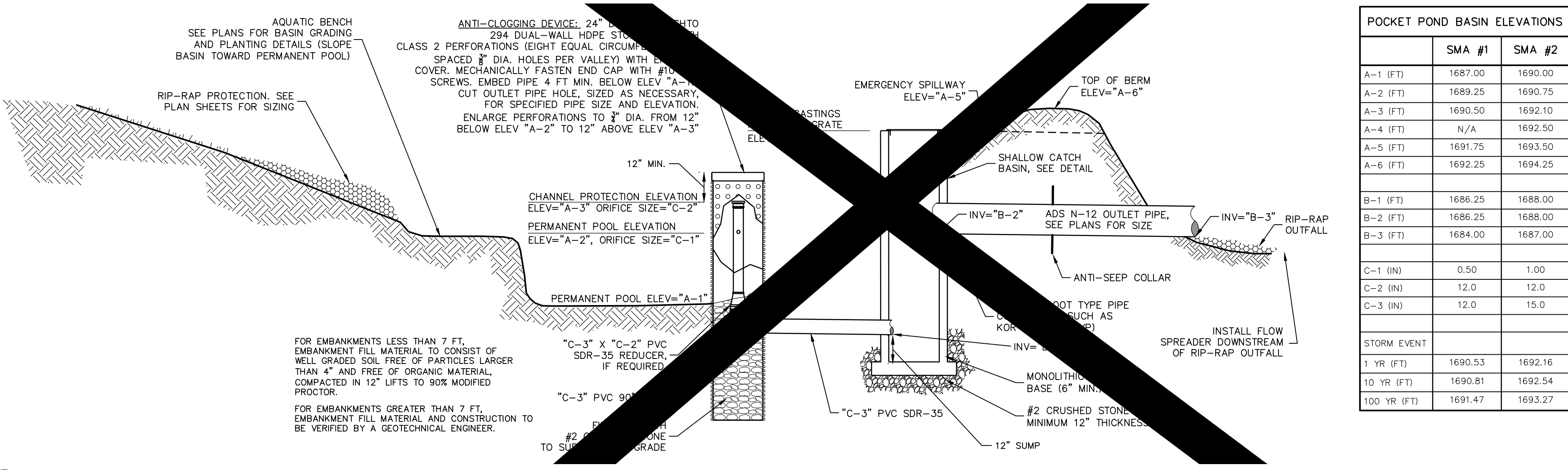
GRAVEL DIAPHRAGM

1 OVERLAND FLOW DISPERSION DEVICE

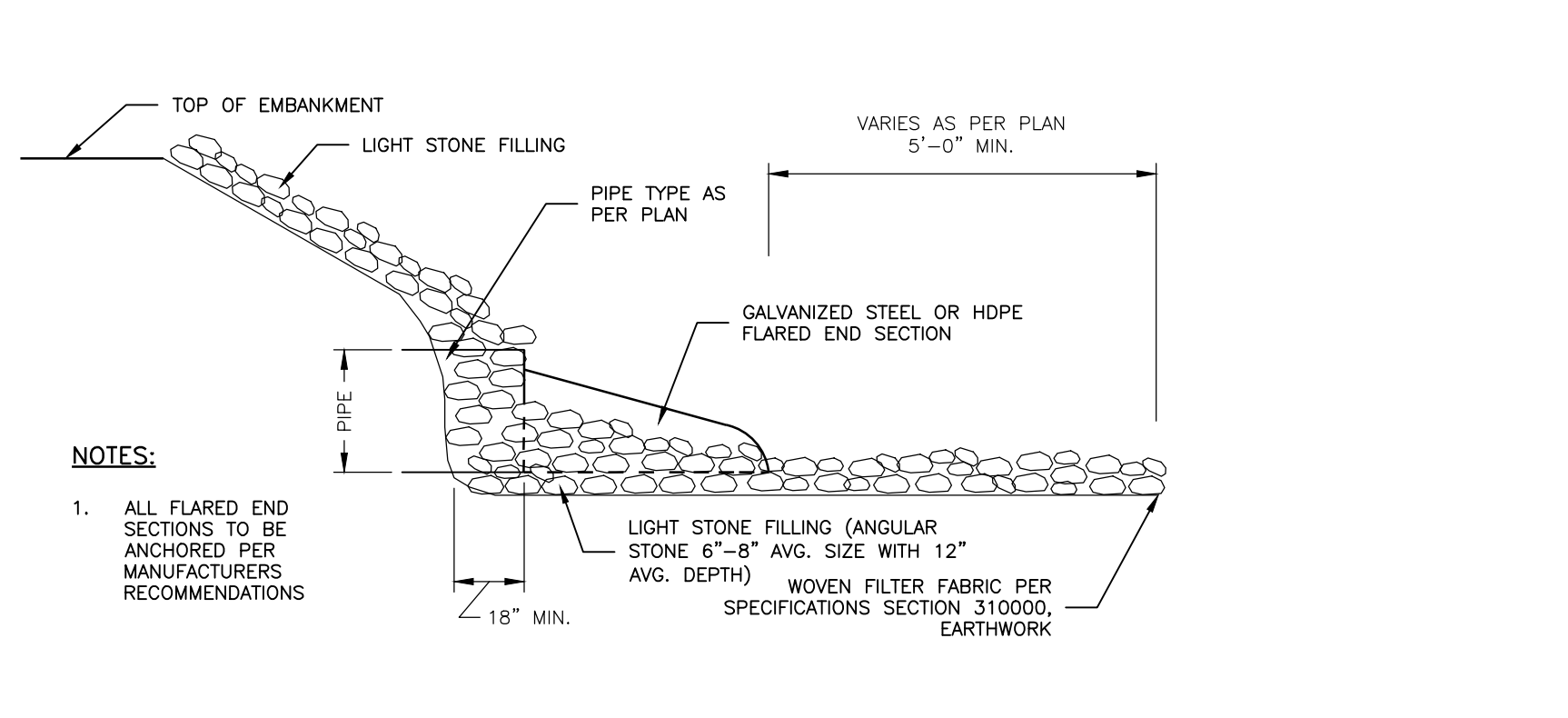
NOT TO SCALE

8

NOT TO SCALE



	SMA #1	SMA #2
A-1 (FT)	1687.00	1690.00
A-2 (FT)	1689.25	1690.75
A-3 (FT)	1690.50	1692.10
A-4 (FT)	N/A	1692.50
A-5 (FT)	1691.75	1693.50
A-6 (FT)	1692.25	1694.25
B-1 (FT)	1686.25	1688.00
B-2 (FT)	1686.25	1688.00
B-3 (FT)	1684.00	1687.00
C-1 (IN)	0.50	1.00
C-2 (IN)	12.0	12.0
C-3 (IN)	12.0	15.0
STORM EVENT		
1 YR (FT)	1690.53	1692.16
10 YR (FT)	1690.81	1692.54
100 YR (FT)	1691.47	1693.27

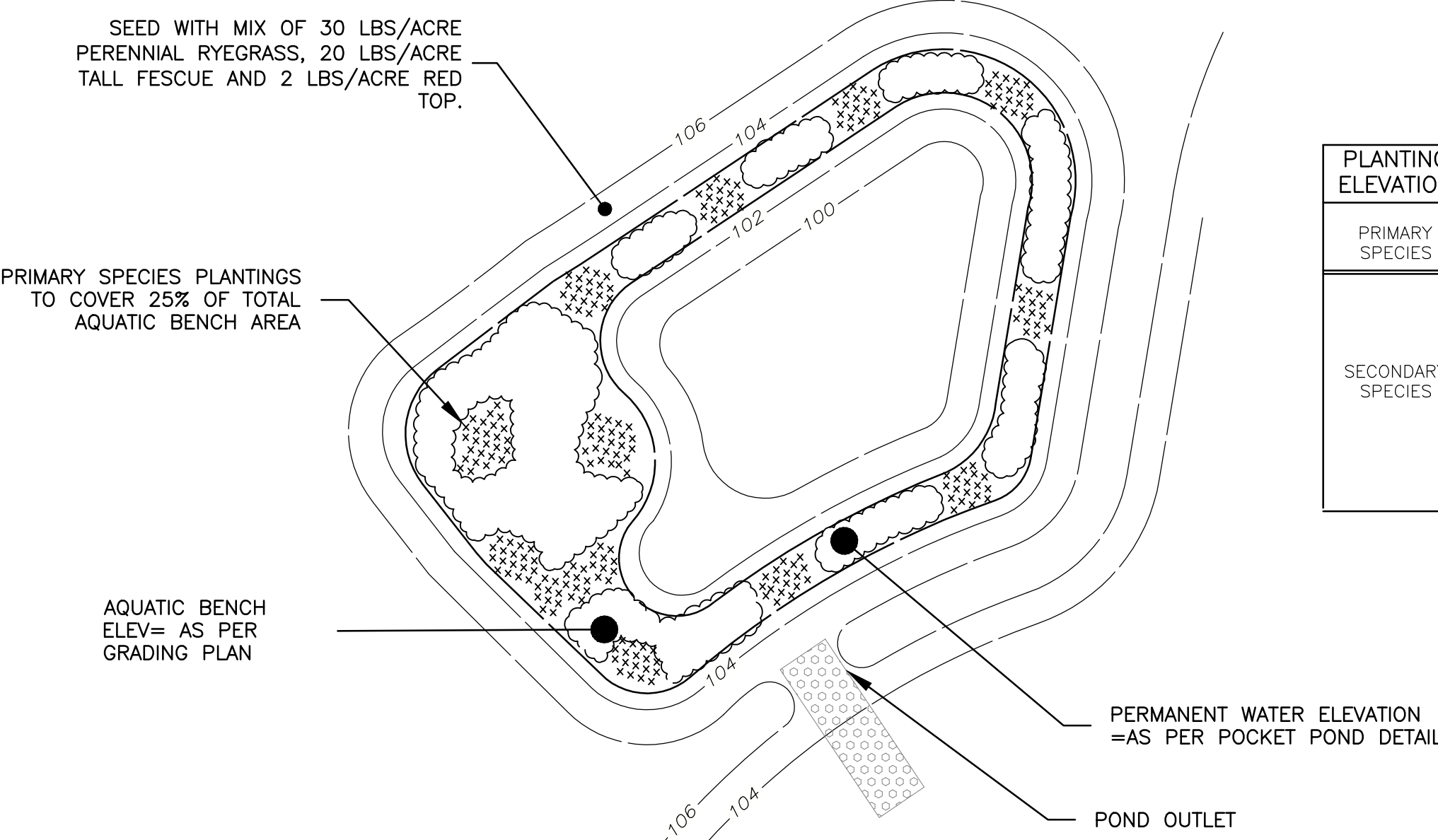


5 FLARED END SECTION

NOT TO SCALE

2 POCKET POND AND OUTLET STRUCTURE DETAIL

NOT TO SCALE

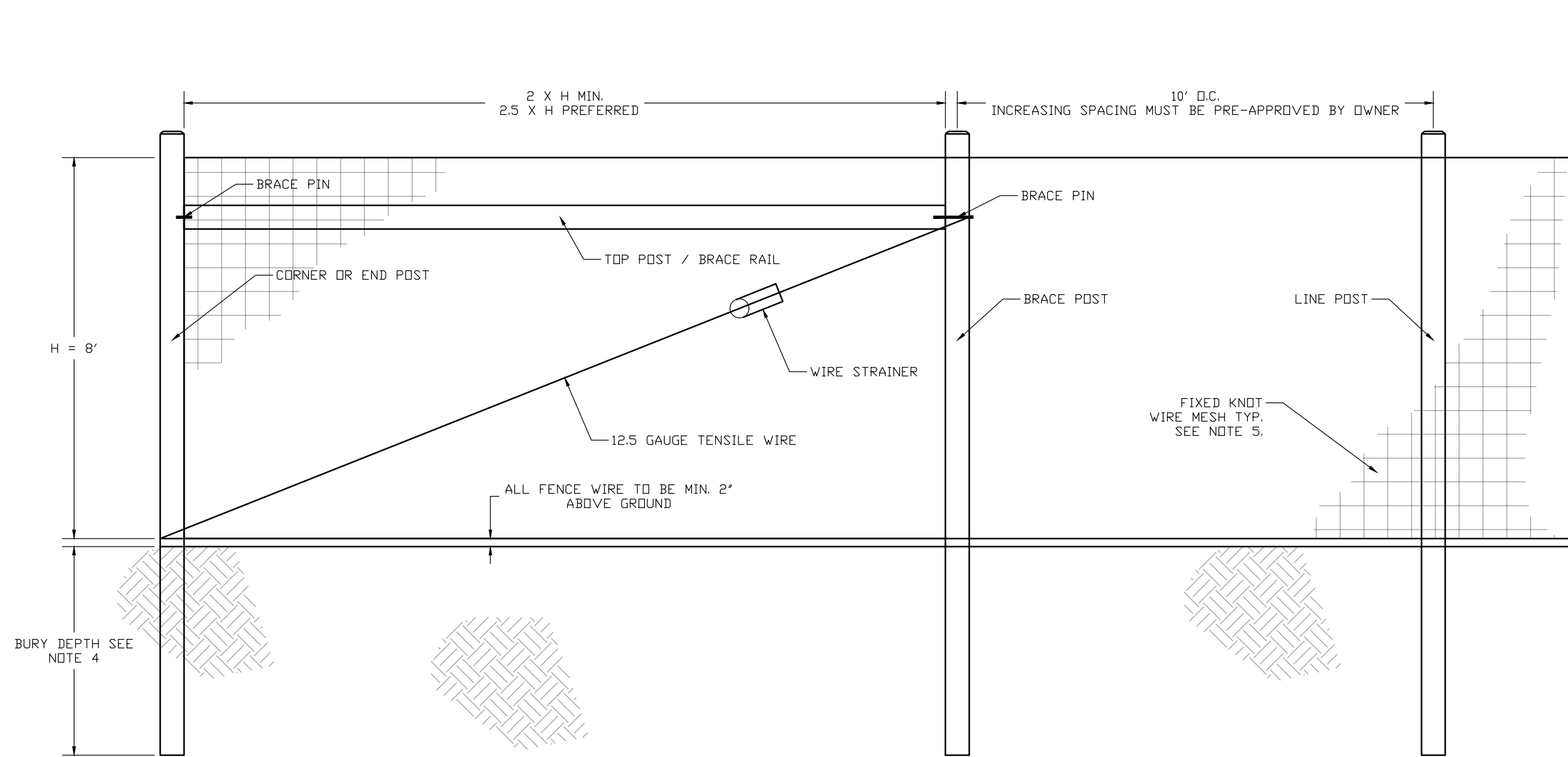


AQUATIC BENCH PLANTING TABLE

PLANTING ELEVATION	SCIENTIFIC NAME	COMMON NAME	INDICATOR STATUS	PLANT SPACING	SIZE	PLANTING PERIOD
PRIMARY SPECIES	SAGITTARIA LATIFOLIA	DUCK POTATO	OBL	2' O.C.	2" PLUG	
	SCIRPUS PUNGENS	COMMON THREE SQUARE	FAW+	2' O.C.	2" PLUG	
	ACORUS CALAMUS	SWEET FLAG	OBL	2' O.C.	2" PLUG	APRIL 1
SECONDARY SPECIES	HISBISCUS MOSCHEutos	ROSE MALLOW	OBL	2' O.C.	2" PLUG	JUNE 1
	LEERSIA ORYZOIDES	RICE CUTGRASS	OBL	2' O.C.	2" PLUG	
	NUPHAR LUTEUM	SPATTERDOCK	OBL	2' O.C.	2" PLUG	AUG 15
	PELTANDRA VIRGINICA	ARROW-ARUM	OBL	2' O.C.	2" PLUG	OCT. 15
	PONDERERIA CORDATA	PICKEREL WEED	OBL	2' O.C.	2" PLUG	
	SAURURUS CERNUUS	LIZARDS TAIL	OBL	2' O.C.	2" PLUG	

3 POCKET POND PLANTING PLAN

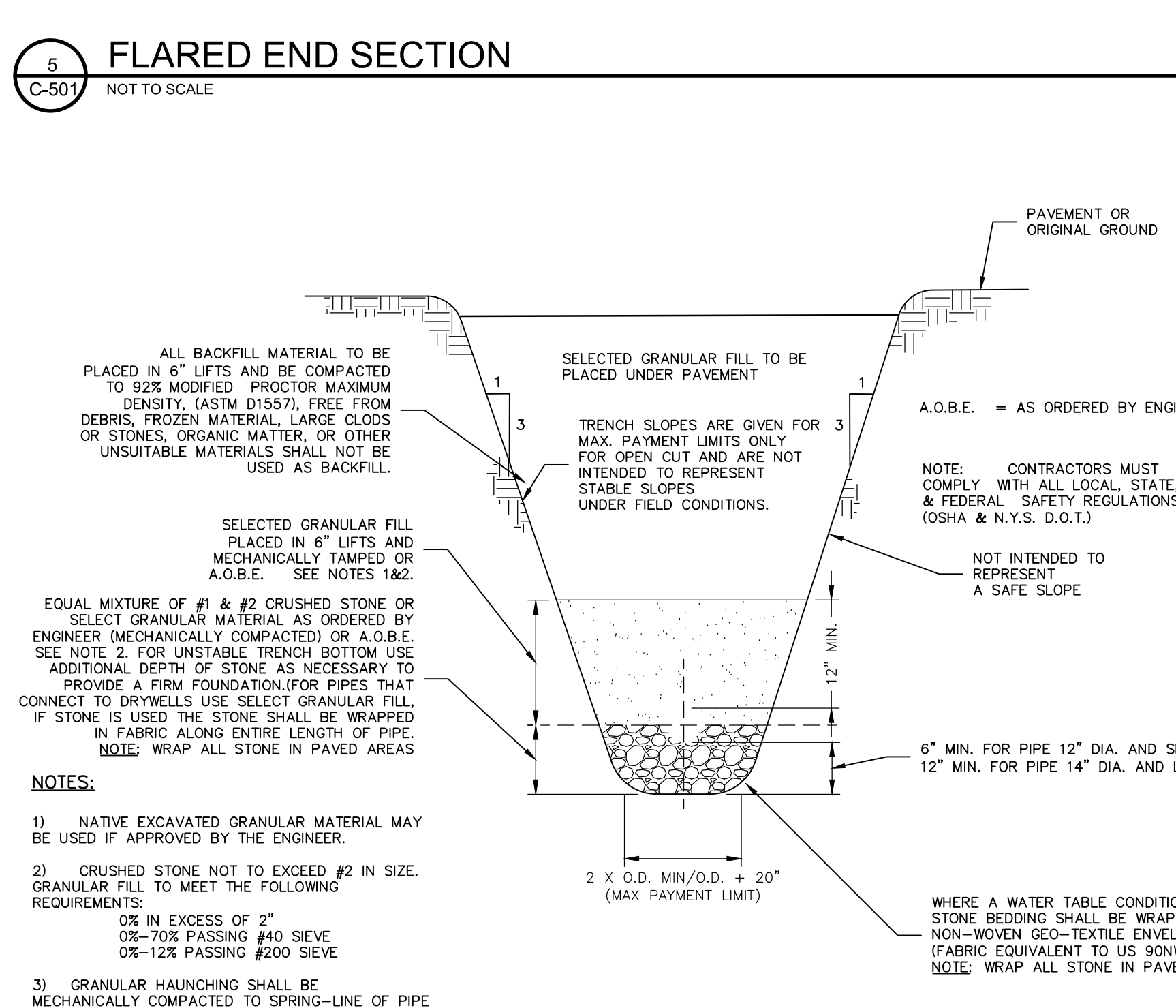
NOT TO SCALE



- NOTES:**
- INSTALL ALL FENCING COMPONENTS PER MANUFACTURERS SPECIFICATIONS.
 - ALL FENCING AND HARDWARE SHALL BE GALVANIZED, UNLESS OTHERWISE NOTED.
 - ALL SQUARE POSTS TO BE MIN. 3"X3" NOMINAL SIZE OR ROUND POSTS WITH MIN. 2" OR 4" DIAMETER PRESSURE TREATED WOOD OR APPROVED EQUAL. PREFER POSTS TO HAVE A CHAMFERED TOP.
 - ALL LINE POSTS 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.
 - FIXED KNOT WIRE MESH TO BE BEKERT SOLIDLOCK® PRD, 12.5 GAUGE, CLASS 3 GALVANIZED, 6" VERTICAL SPACING OR APPROVED EQUAL.
 - 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 THAT EXCEED 100 LF. AN ADDITIONAL BRACE ASSEMBLY SHOULD BE INSTALLED MID SPAN FOR STRAIGHT RUNS OF FENCE THAT EXCEED 1,200 LF. ADDITIONAL BRACING MAY BE STILL BE REQUIRED OVER UNEVEN TERRAIN. CONTRACTOR SHALL INSTALL ADDITIONAL BRACING AS NEEDED IF DEFLECTION IS NOTICED DURING TENSIONING.

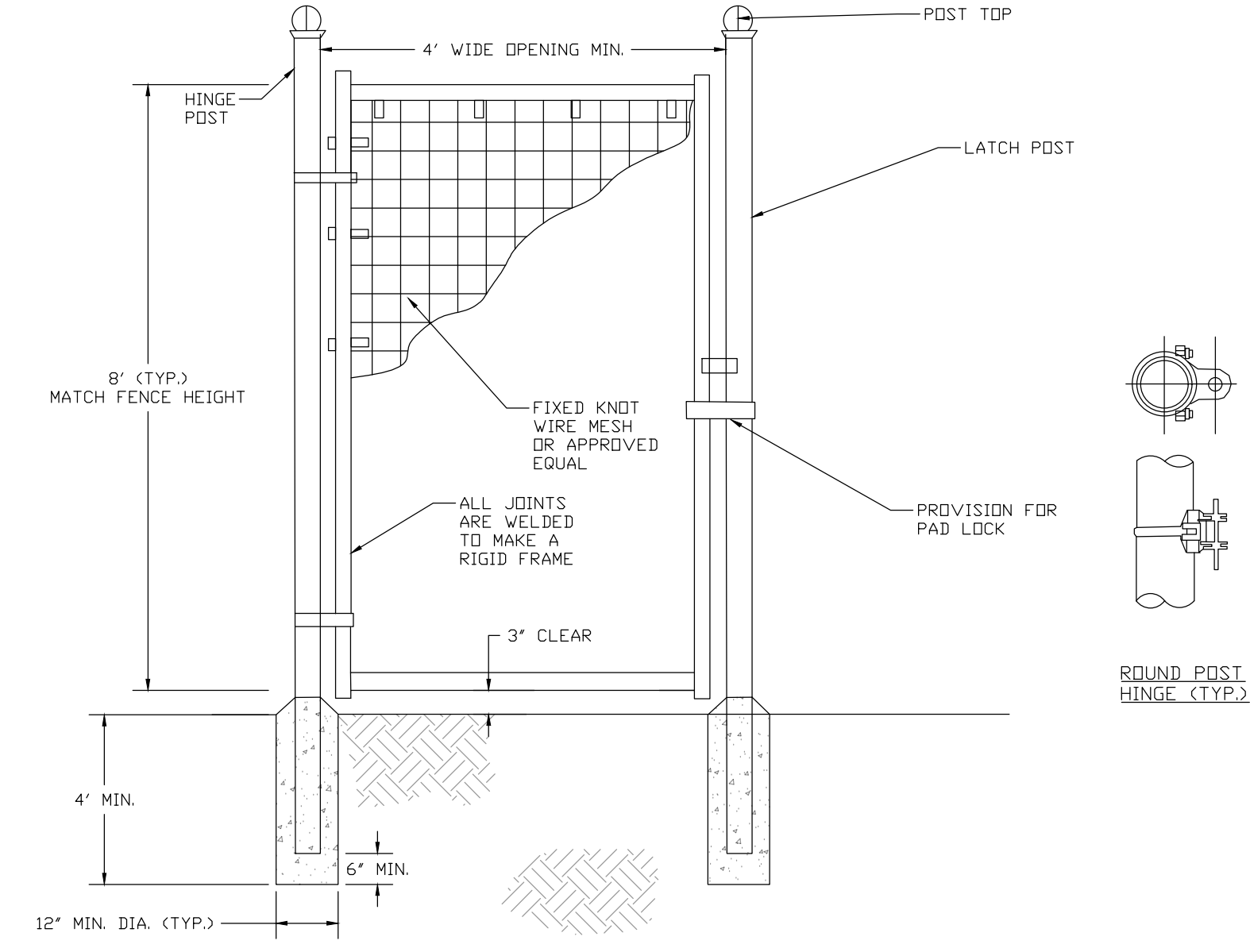
4 FIXED KNOT FARM FENCE

NOT TO SCALE



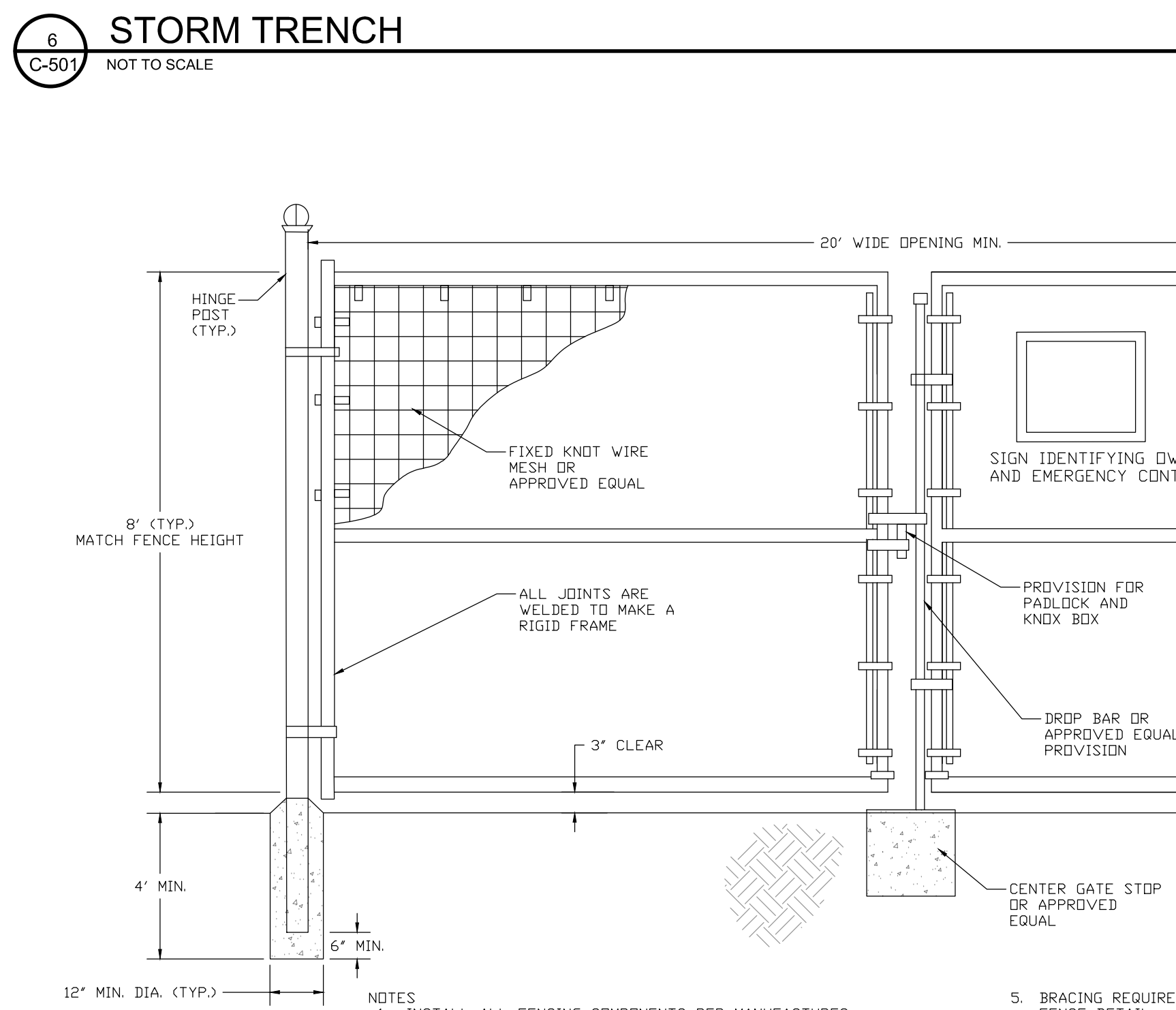
6 STORM TRENCH

NOT TO SCALE



9 FIXED KNOT FARM FENCE - PERSONNEL GATE

NOT TO SCALE



7 FIXED KNOT FARM FENCE - DOUBLE GATE

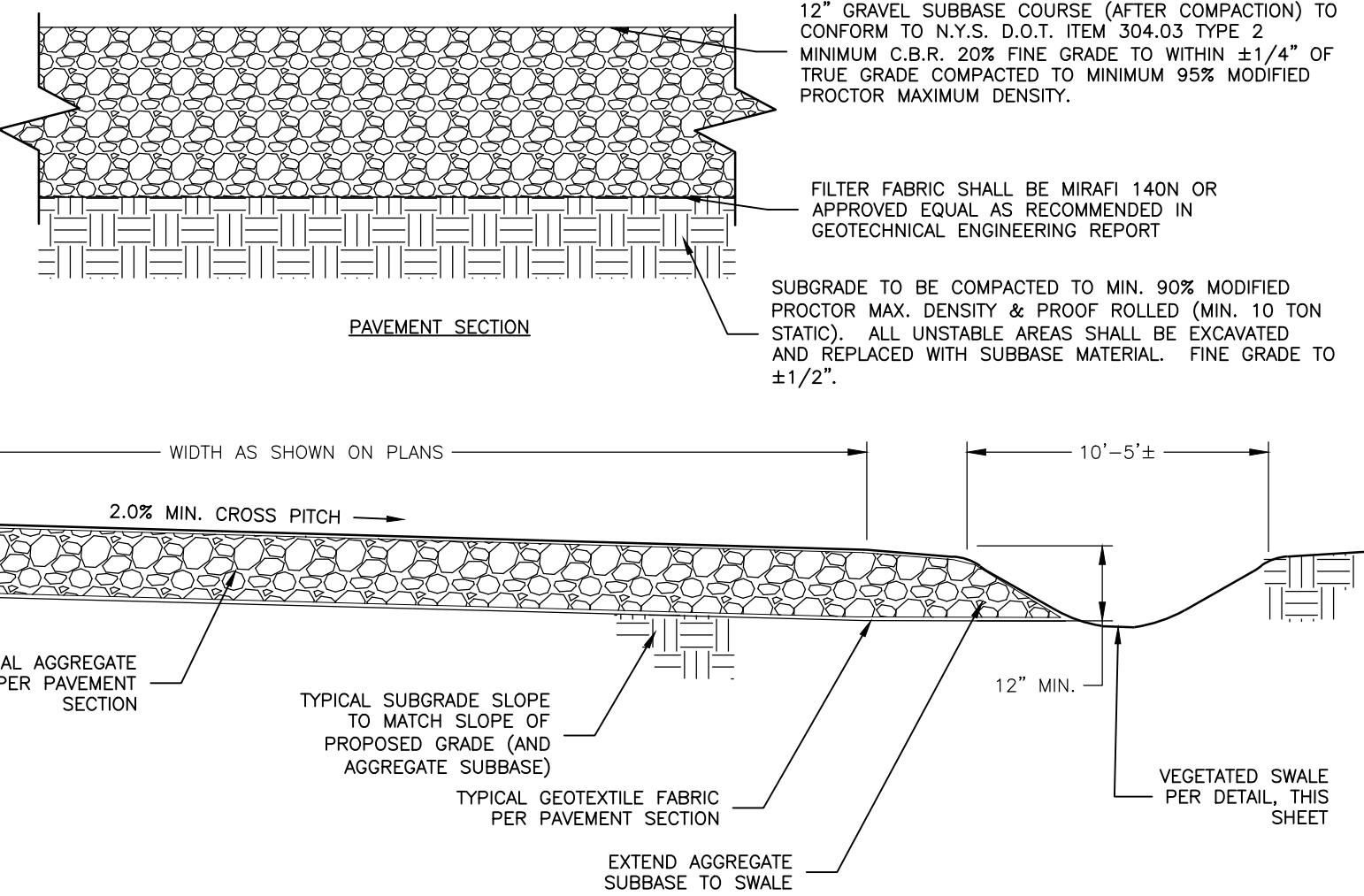
NOT TO SCALE

- NOTES:**
- INSTALL ALL FENCING COMPONENTS PER MANUFACTURERS SPECIFICATIONS.
 - ALL FENCING AND HARDWARE SHALL BE GALVANIZED, UNLESS OTHERWISE NOTED.
 - HINGE POSTS MAY BE TIMBER IF CONTRACTOR DESIRES. TIMBER HINGE POSTS DO NOT NEED TO BE SET IN CONCRETE. UTILIZE HINGE THRU BOLTS TO CONNECT TO TIMBER HINGE POSTS OR LAG SCREWS PER MANUFACTURERS RECOMMENDATIONS.
 - IF CONTRACTOR UTILIZES METAL HINGE POSTS SHALL BE SET IN CONCRETE AS SHOWN IN DETAIL.
 - BRACING REQUIRED AT FOR ALL GATES. SEE FIXED KNOT FENCE DETAIL.
 - FIXED KNOT WIRE MESH TO BE BEKERT SOLIDLOCK® PRD, 12.5 GAUGE, CLASS 3 GALVANIZED, 6" VERTICAL SPACING OR APPROVED EQUAL.
 - BRACE RAIL SHOWN FOR REFERENCE ADDITIONAL BRACE RAILS MAY BE REQUIRED (NOT SHOWN) PER MANUFACTURERS RECOMMENDATIONS.

DATE	BY	REVISION
11/21/23	SM	ISSUE FOR PERMITS
5/16/23	SM	REVISIONS PER CLIENT COMMENT

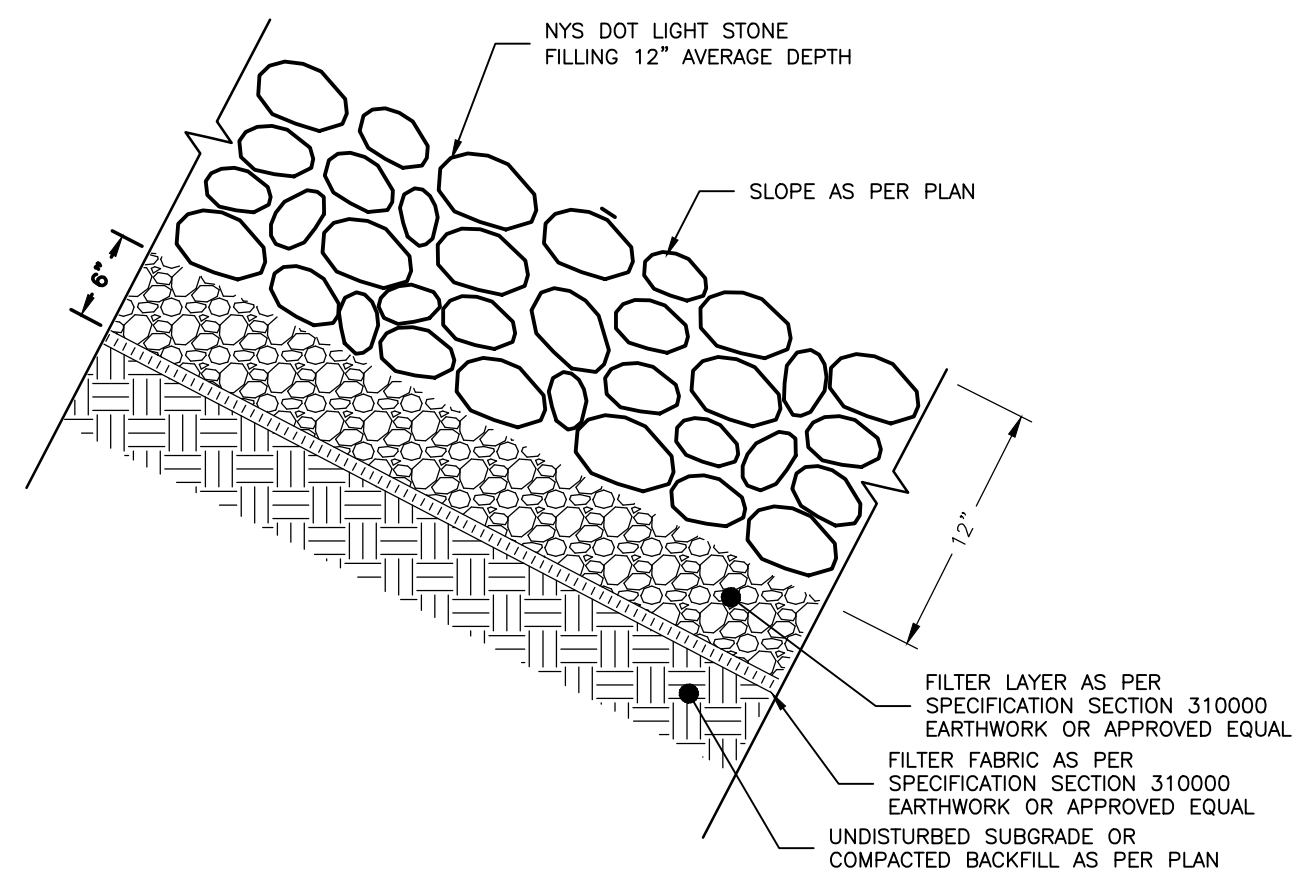
NOTES:

- IF UNSTABLE SUBGRADE IS ENCOUNTERED DURING CONSTRUCTION ENGINEER MUST BE NOTIFIED IMMEDIATELY.
- SUBGRADE MUST BE PROOF-ROLLED PRIOR TO PLACEMENT OF CRUSHED STONE.
- PAVEMENT DESIGN IS PER GEOTECHNICAL REPORT ENTITLED "NEWAMP - OPPENHEIM 11553" PREPARED BY THE CHAZEN COMPANIES DATED MARCH 5, 2021.
- PAVEMENT DESIGN IS FOR "LIGHTLY LOADED VEHICLES. ADDITIONAL GRAVEL MAY BE NEEDED FOR CONSTRUCTION ACCESS.
- SEE PLANS FOR THE APPROPRIATE/ APPLICABLE SWALE CONSTRUCTION DETAIL TO BE UTILIZED TO PREVENT SWALE/DITCH EROSION.



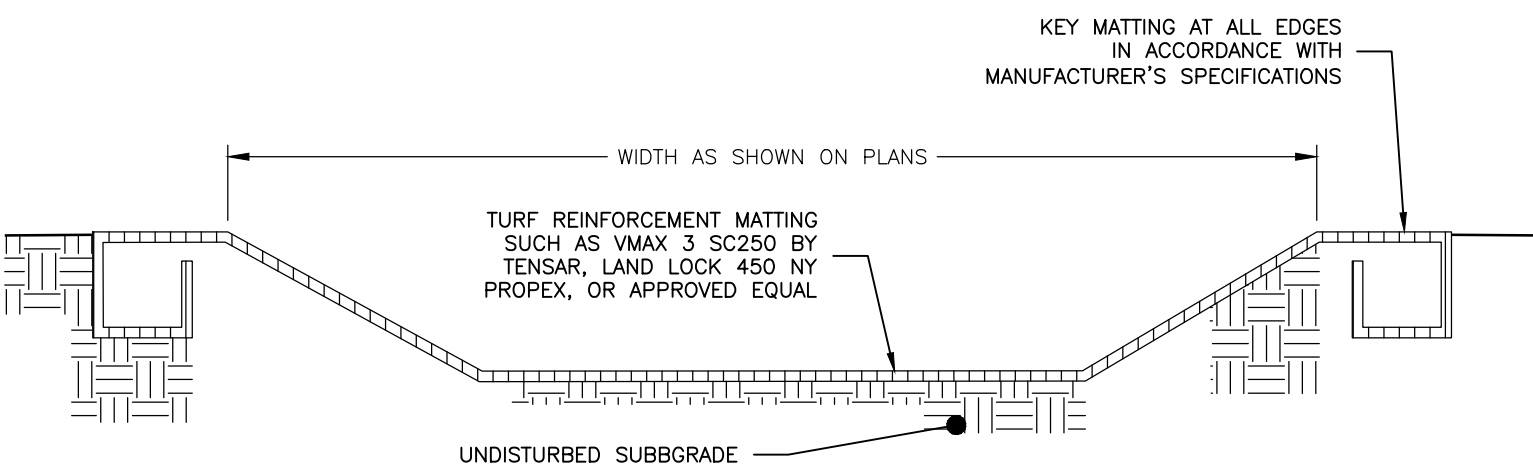
1 GRAVEL ACCESS ROAD

C-505



2 RIP RAP SLOPE PROTECTION

NOT TO SCALE

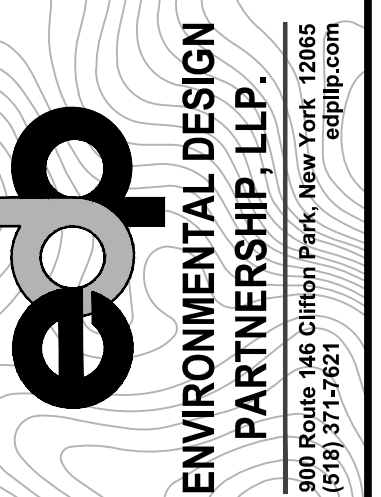


3 REINFORCED OVERFLOW WEIR

NOT TO SCALE

STONE OUTLET SEDIMENT TRAP

NO.	TYPE	DRAINAGE AREA	STORAGE REQUIRED	STORAGE PROVIDED	WEIR LENGTH	STORAGE DEPTH BELOW OUTLET	EMBANKMENT HEIGHT
1	SEDIMENT TRAP	2.1 AC	7,560 CF	7,870 CF	4 Ft	1.50 Ft	1 Ft
2	SEDIMENT TRAP	2.75 AC	9,900 CF	10,050 CF	4 Ft	1.50 Ft	1 Ft
3	SEDIMENT TRAP	2.78 AC	10,026 CF	10,230 CF	4 Ft	1.50 Ft	1 Ft
4	SEDIMENT TRAP	3.88 AC	13,970 CF	14,450 CF	6 Ft	1.50 Ft	1 Ft
5	SEDIMENT TRAP	0.85 AC	3060 CF	3375 CF	4 Ft	1.50 Ft	1 Ft
6	SEDIMENT TRAP	3.30 AC	11,880 CF	11,950 CF	6 Ft	1.50 Ft	1 Ft
7	SEDIMENT TRAP	3.44 AC	12,384 CF	12,540 CF	6 Ft	1.50 Ft	1 Ft
8	SEDIMENT TRAP	2.56 AC	9,216 CF	9,346 CF	4 Ft	1.50 Ft	1 Ft
9	SEDIMENT TRAP	0.20 AC	720 CF	784 CF	4 Ft	1.50 Ft	1 Ft
10	SEDIMENT TRAP	0.10 AC	360 CF	436 CF	4 Ft	1.50 Ft	1 Ft
11	SEDIMENT TRAP	0.48 AC	1728 CF	2309 CF	4 Ft	1.50 Ft	1 Ft



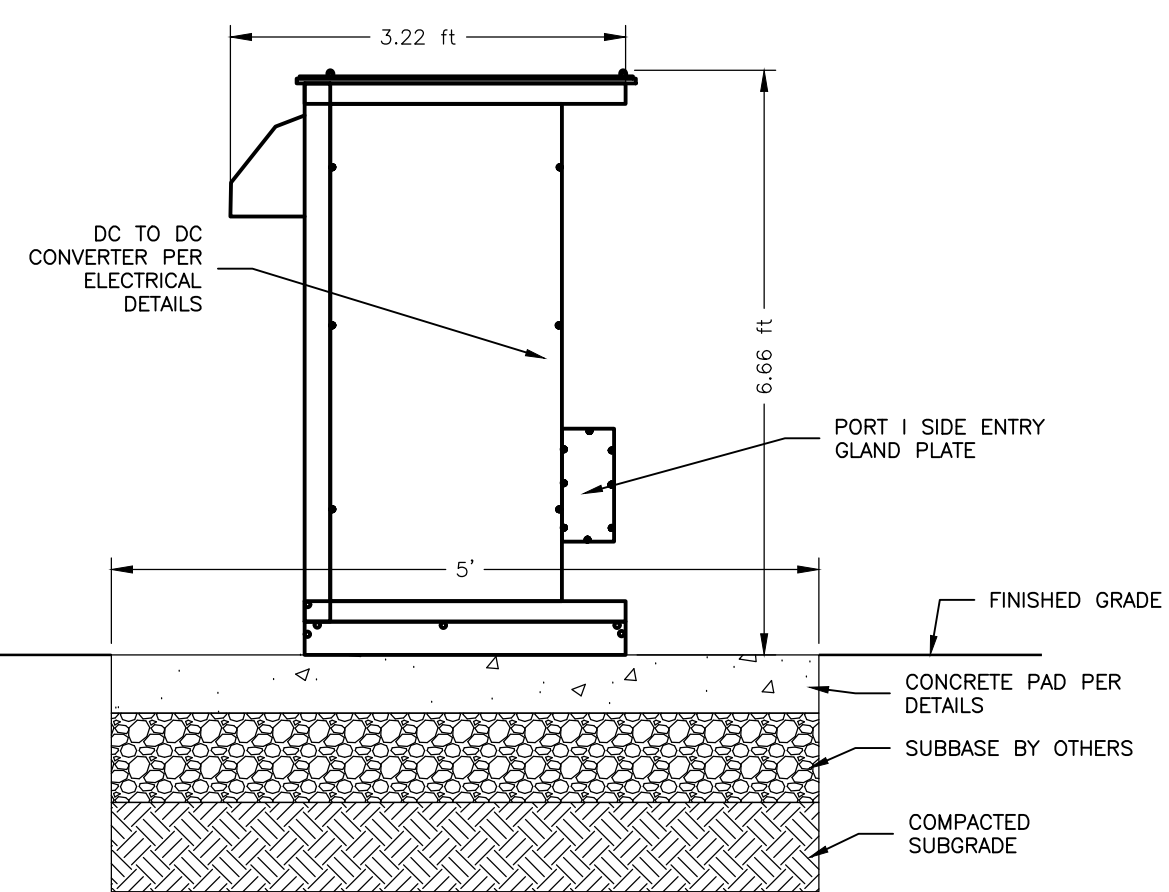
ENVIRONMENTAL DESIGN PARTNERSHIP, LLP.
900 Route 446 Clifton Park, New York, 12065
(518) 527-0121

TAX MAP No. 36-1-11-1, 36-1-9-2, 36-1-10-1
MARCH 22, 2023

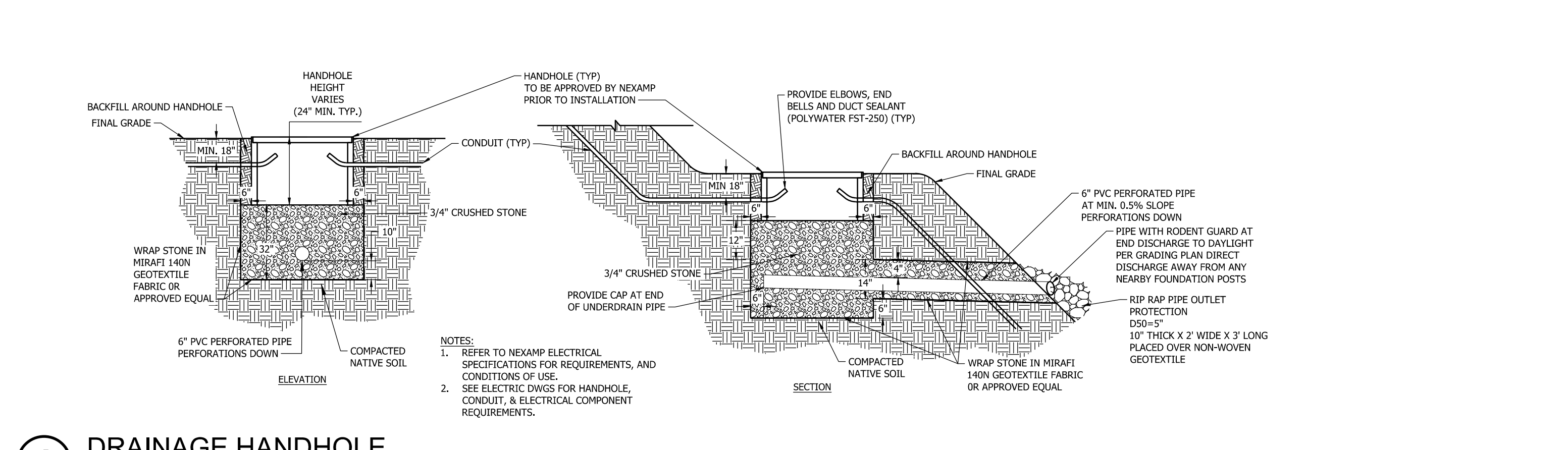
PROPOSED SITE PLAN FOR
HAWTHORN SOLAR FARM
HAWTHORN SOLAR, LLC
FORDS ROAD & PINE VALLEY ROAD
TOWN OF HOOSICK
RENSELAER COUNTY, NEW YORK

DESIGNED BY	DTA
CHECKED BY	DTA
PER PROJECT NUMBER	13661
DATE	5/18/23
REVISION	DATE
REVISION PER CLIENT COMMENT	5/18/23
REVISION PER CLIENT COMMENT	5/18/23

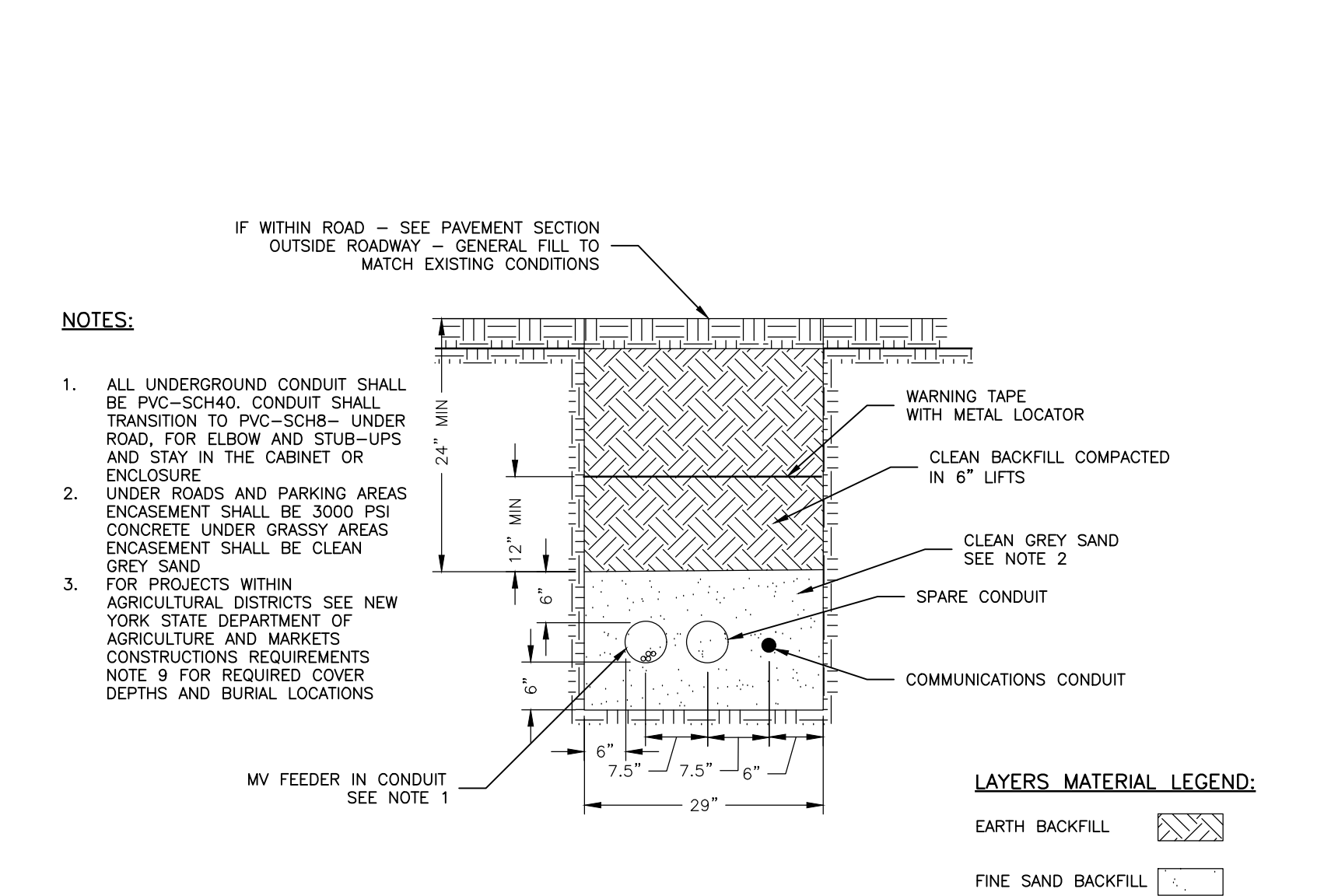
SCALE:	AS NOTED
SHEET TITLE:	SITE DETAILS
SHEET:	C-502



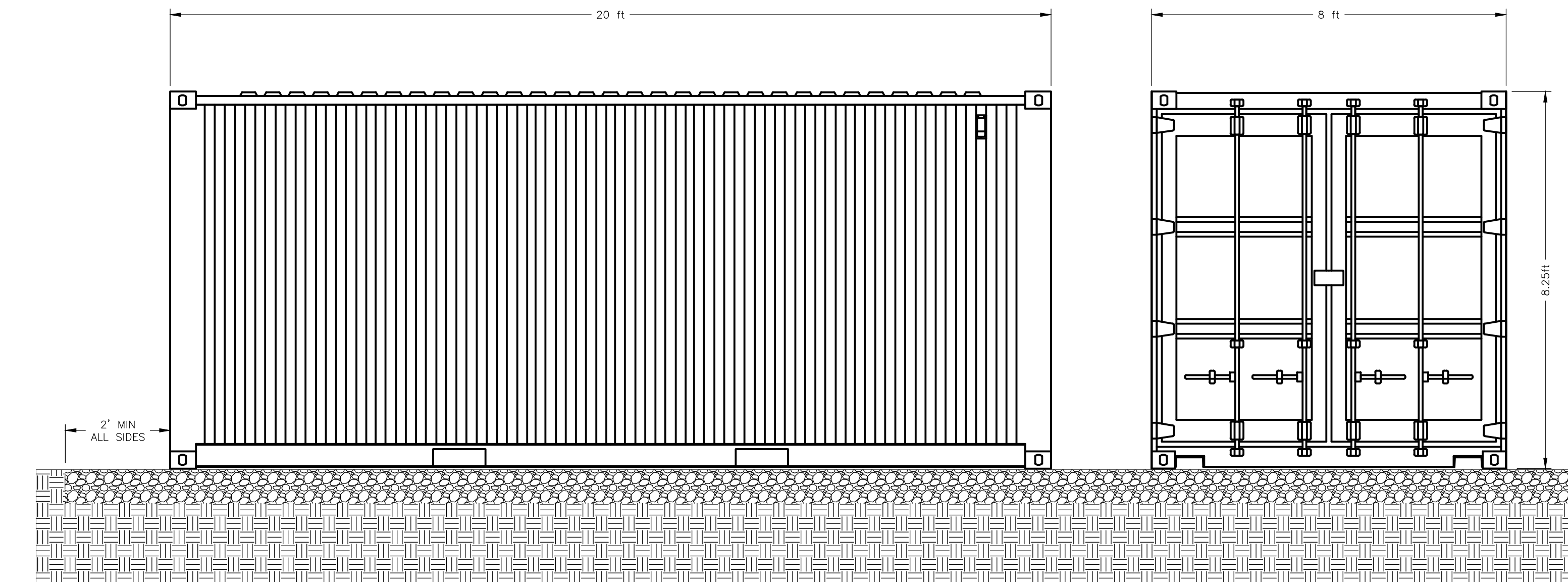
1 DC TO DC CONVERTER
C-502 NOT TO SCALE



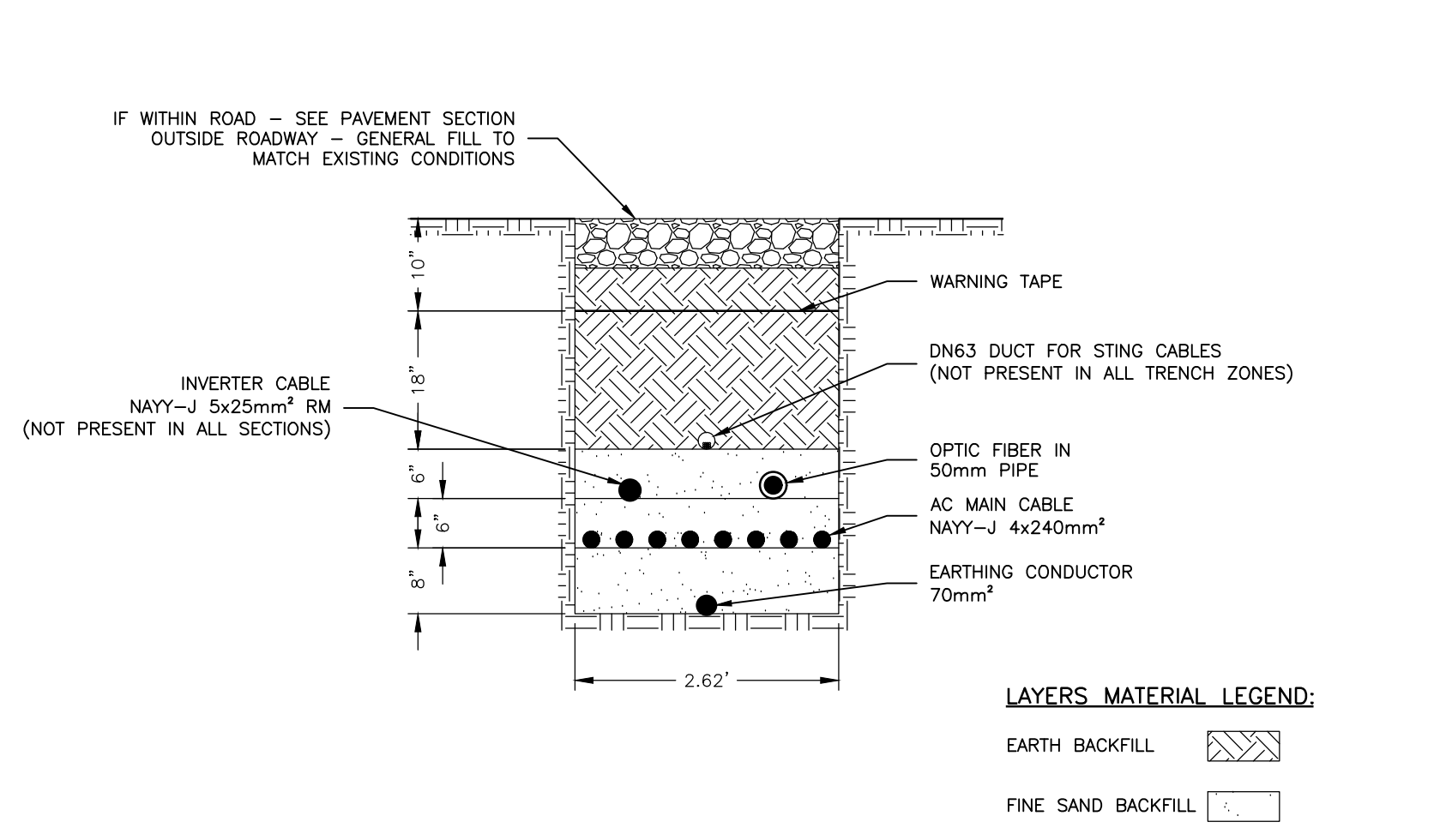
5 DRAINAGE HANDHOLE
C-502 NOT TO SCALE



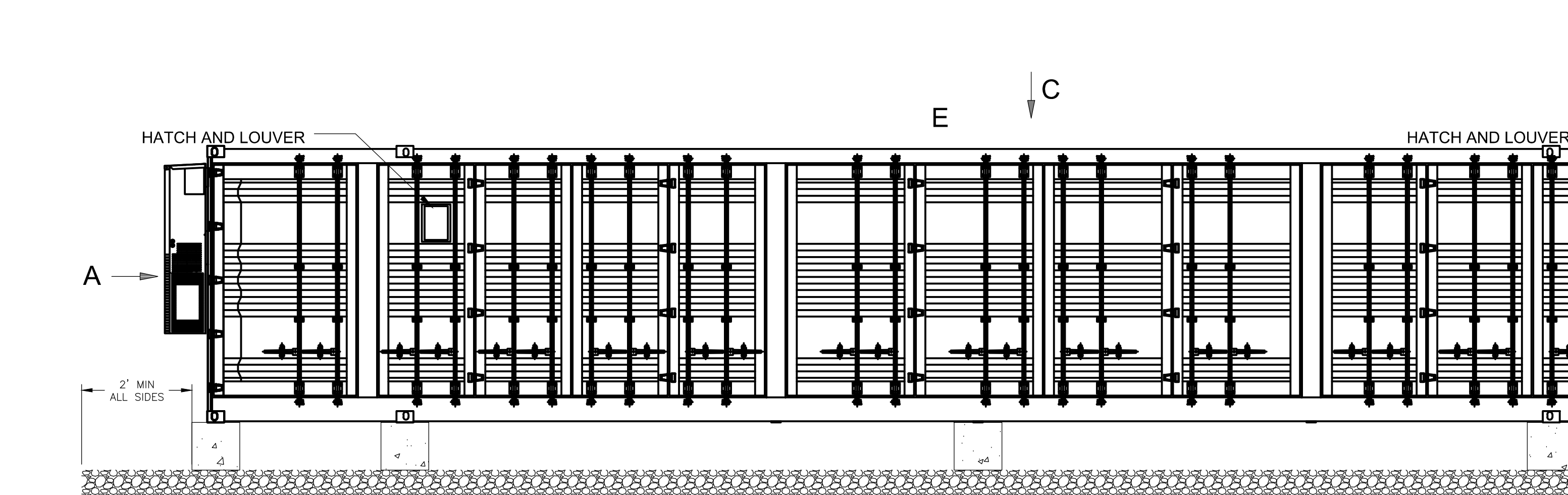
2 MEDIUM VOLTAGE TRENCH DETAIL
C-502 NOT TO SCALE



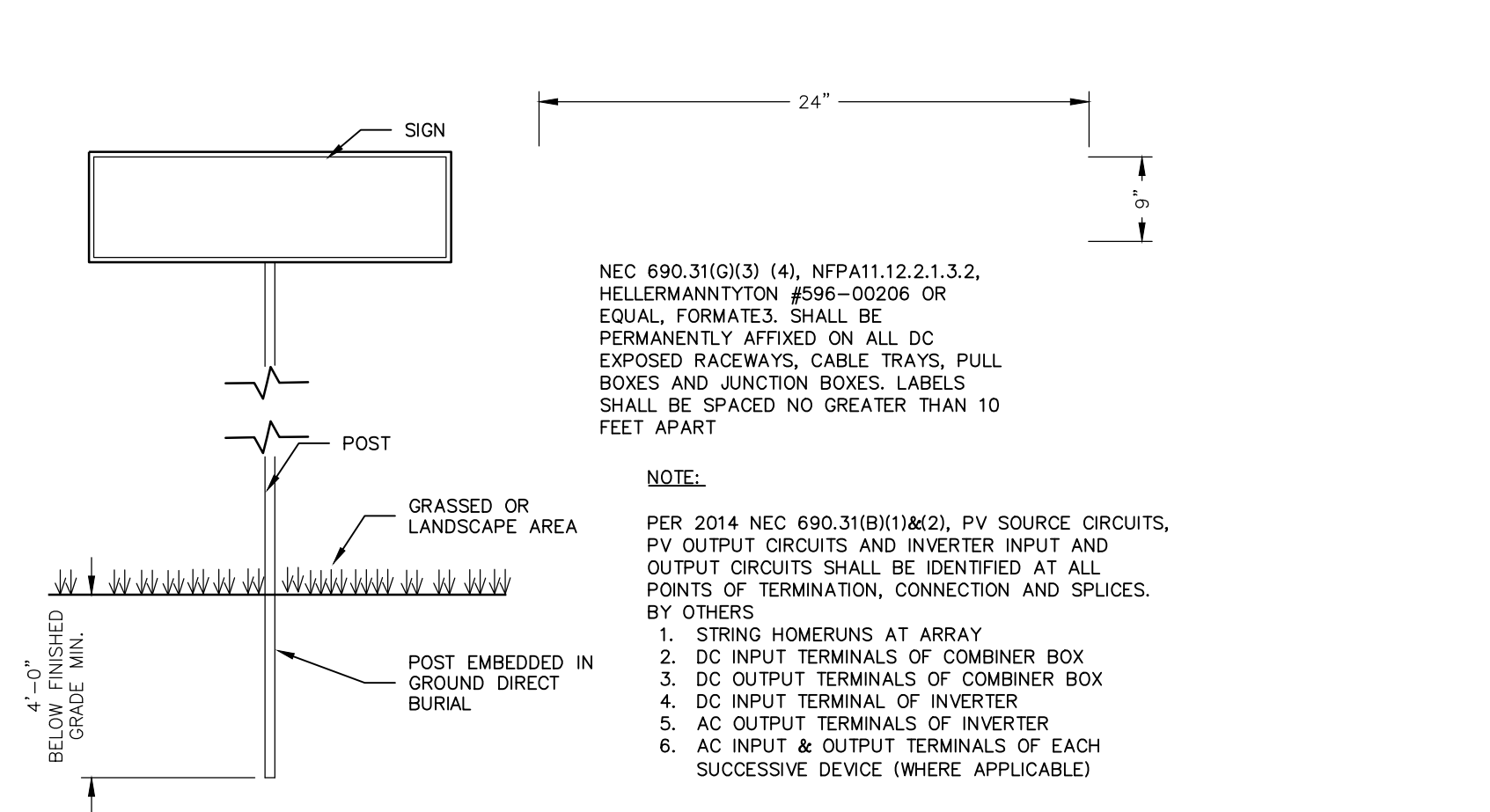
6 SPARE PART CONTAINER
C-502 NOT TO SCALE



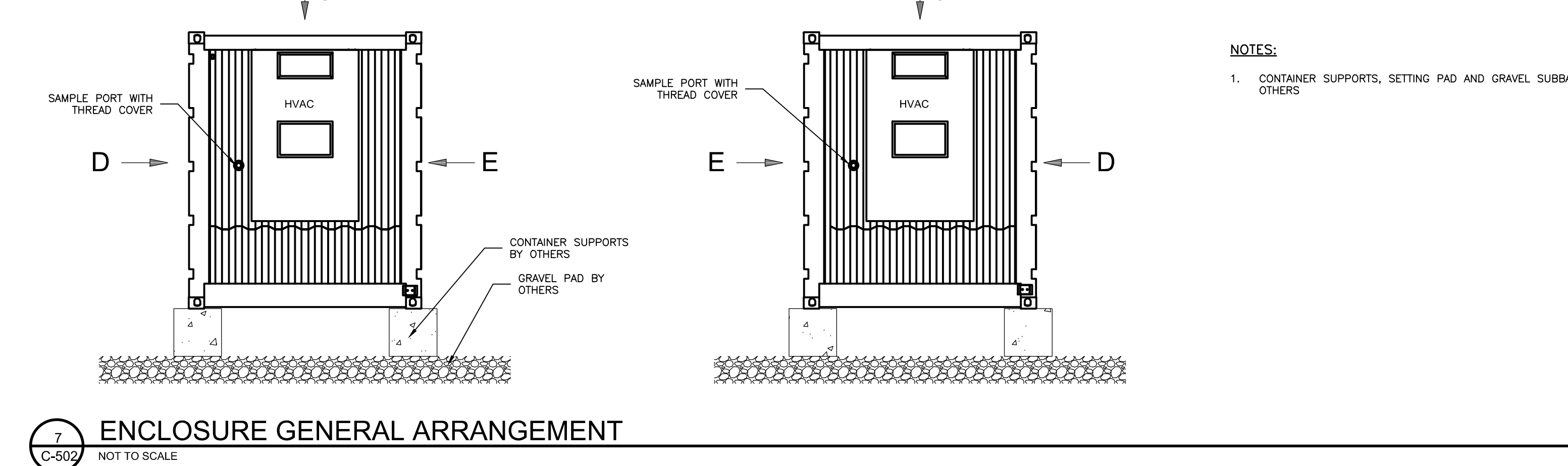
3 LOW VOLTAGE TRENCH DETAIL
C-502 NOT TO SCALE



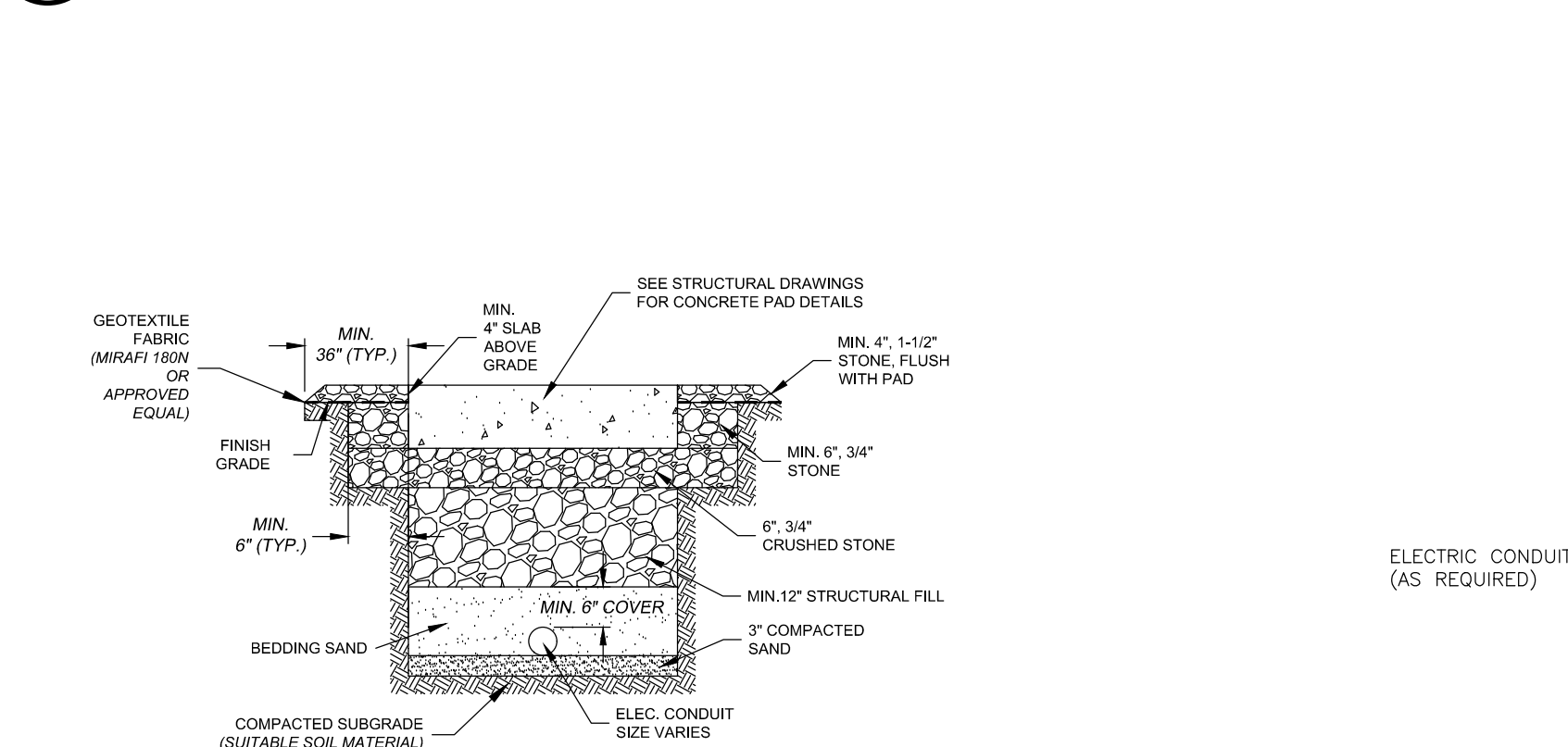
7 ENCLOSURE GENERAL ARRANGEMENT
C-502 NOT TO SCALE



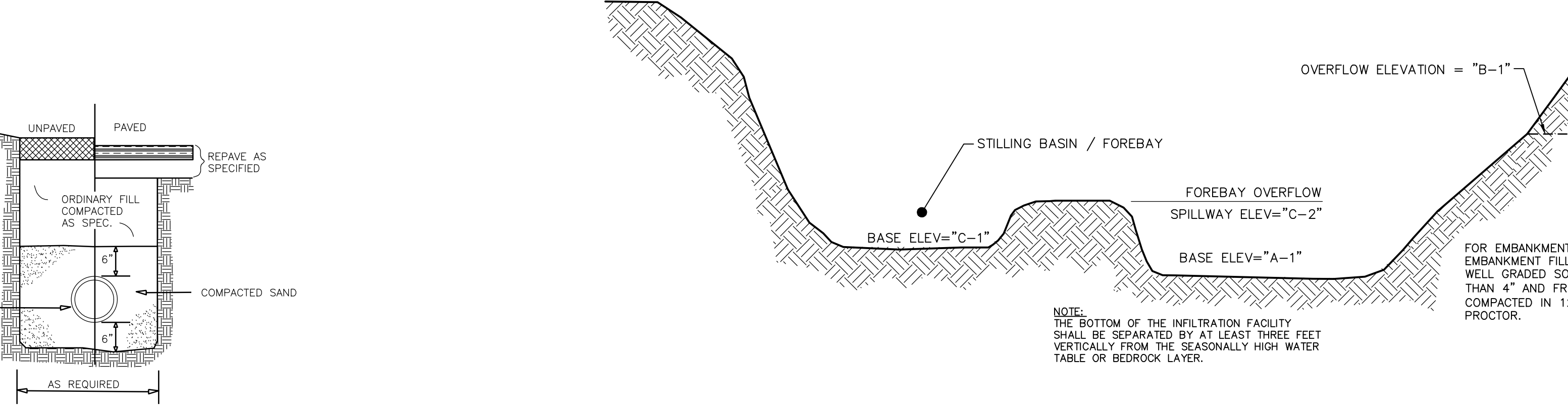
4 WARNING SIGN
C-502 NOT TO SCALE



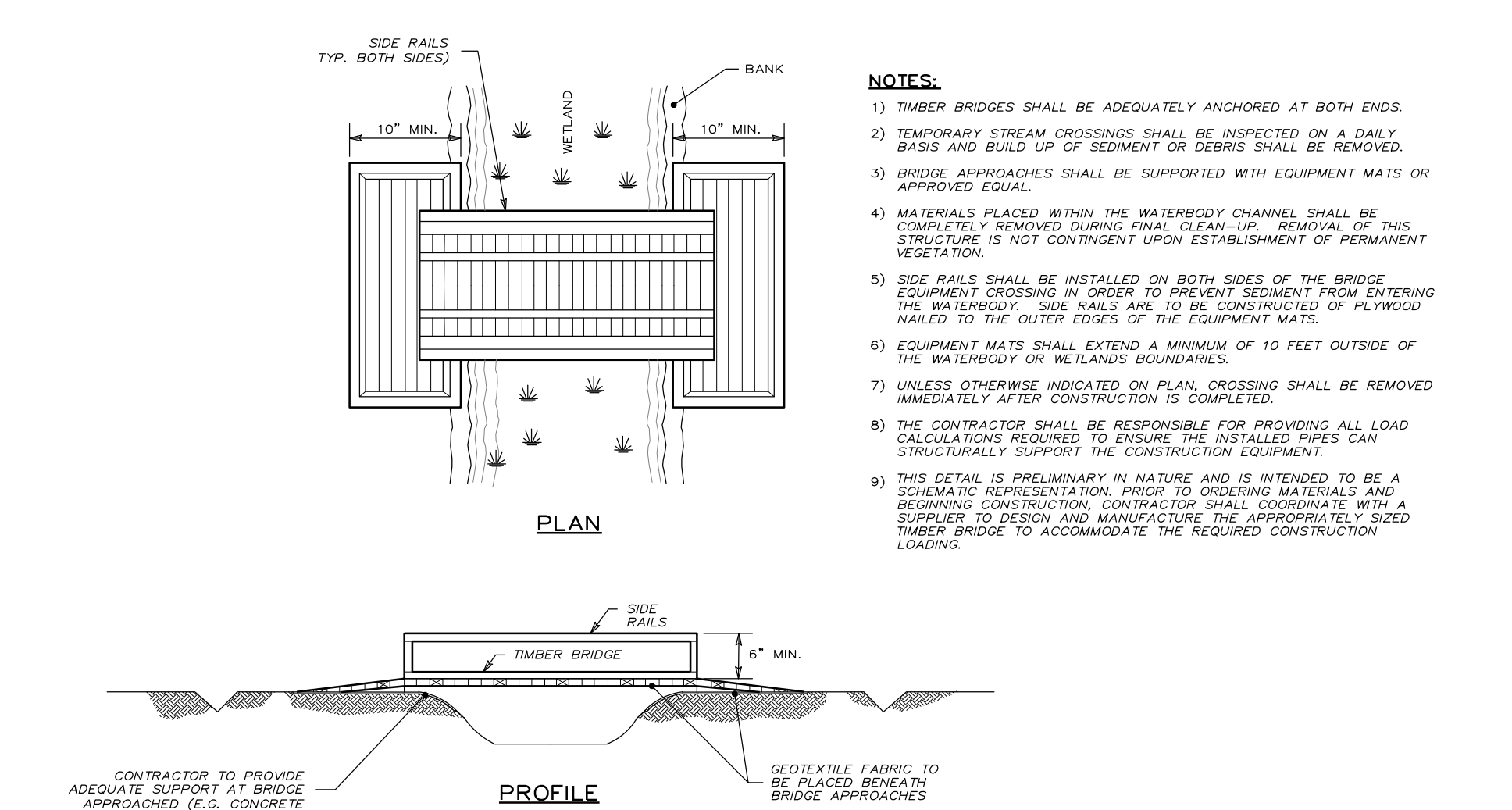
13 STONE INFILTRATION TRENCH
C-502 NOT TO SCALE



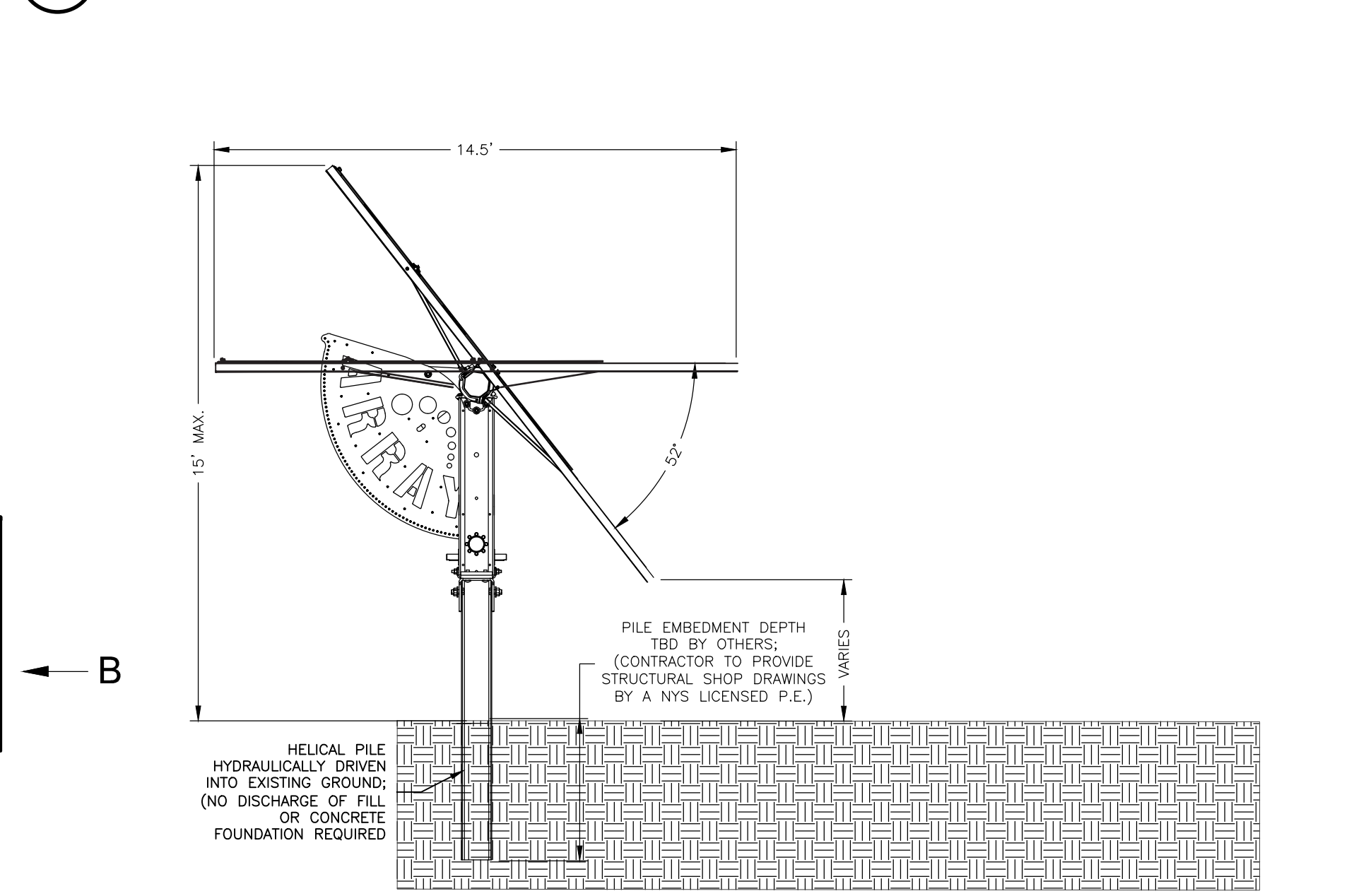
8 SUBSOIL EQUIPMENT FOUNDATION DETAIL
C-502 NOT TO SCALE



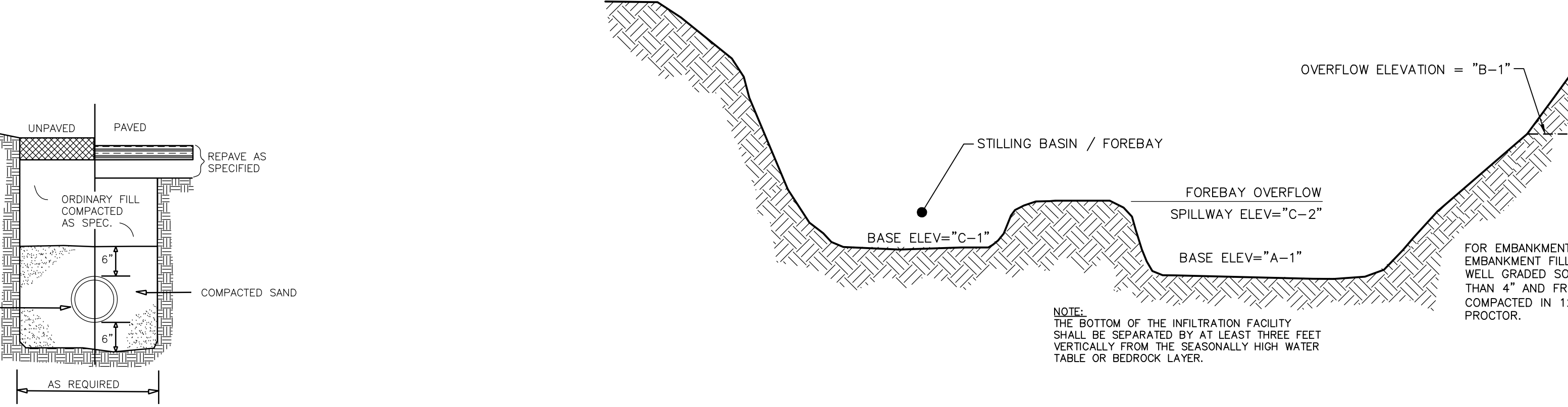
9 ELECTRIC CONDUIT TRENCH
C-502 NOT TO SCALE



11 PERMANENT TIMBER BRIDGE WETLAND CROSSING
C-502 NOT TO SCALE



10 SOLAR ARRAY RACK DETAIL
C-502 NOT TO SCALE



12 INFILTRATION BASIN
C-502 NOT TO SCALE

INFILTRATION BASIN ELEVATIONS	
	SMA #X
A-1 (FT)	XXX
A-2 (FT)	XXX
B-1 (FT)	XXX
B-1 (FT)	XXX
STORM EVENT	
1 YR (FT)	XXX
10 YR (FT)	XXX
25 YR (FT)	XXX
100 YR (FT)	XXX



REVISION	DATE	BY

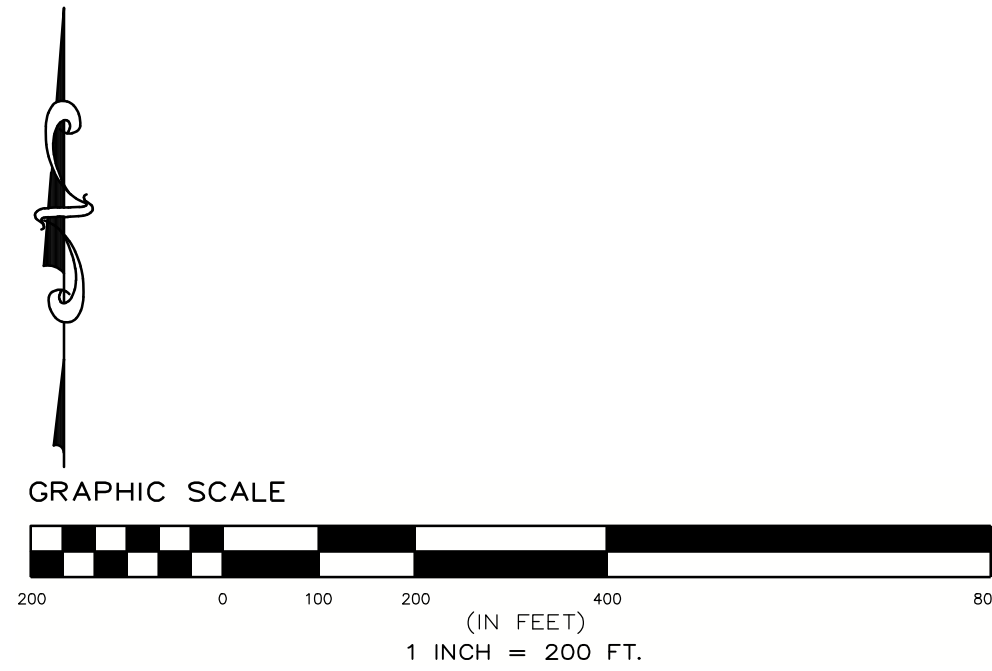
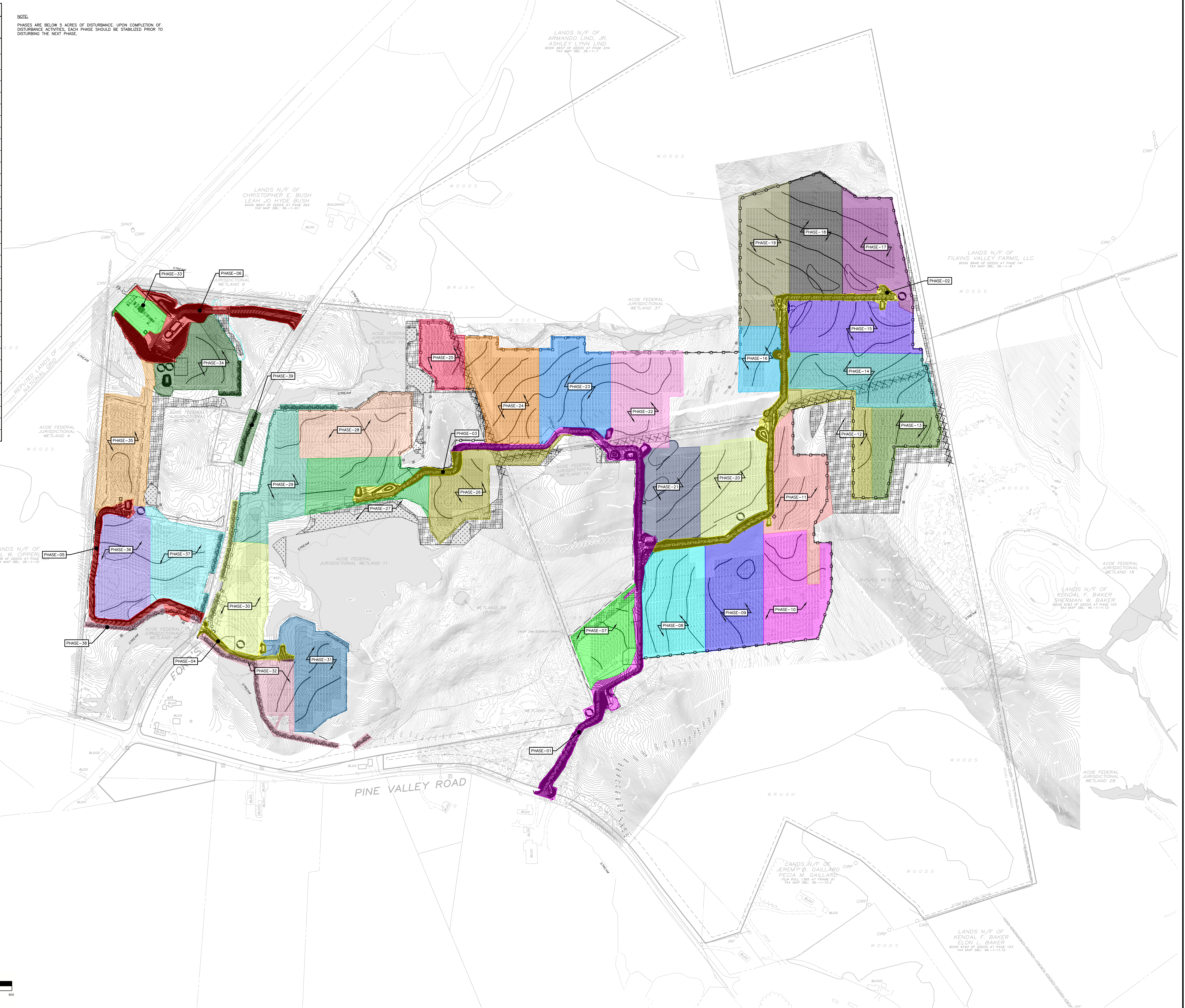
SCALE:
AS NOTED
NOT FOR CONSTRUCTION

SHEET TITLE:
SITE DETAILS

SHEET:
C-503

PHASING TABLE		
PHASE	AREA DISTURBED	DESCRIPTION
PHASE 1	±4.80 ACRES	ACCESS ROAD AND PARTIAL STAGING AREA ON THE SOUTHERN PORTION OF THE SITE
PHASE 2	±4.80 ACRES	ACCESS ROAD AND PARTIAL STAGING AREA ON THE EASTERN AND WESTERN PORTION OF SITE
PHASE 3	±4.80 ACRES	ACCESS ROAD ON THE WESTERN PORTION OF SITE
PHASE 4	±3.00 ACRES	SOLAR ARRAY #6
PHASE 5	±5.00 ACRES	SOLAR ARRAY #6
PHASE 6	±5.00 ACRES	SOLAR ARRAY #6
PHASE 7	±5.00 ACRES	SOLAR ARRAY #6
PHASE 8	±5.00 ACRES	SOLAR ARRAY #6
PHASE 9	±5.00 ACRES	SOLAR ARRAY #7
PHASE 10	±4.50 ACRES	SOLAR ARRAY #7
PHASE 11	±5.00 ACRES	SOLAR ARRAY #7
PHASE 12	±5.00 ACRES	SOLAR ARRAY #7
PHASE 13	±5.00 ACRES	SOLAR ARRAY #7
PHASE 14	±4.80 ACRES	SOLAR ARRAY #7
PHASE 15	±4.80 ACRES	SOLAR ARRAY #7
PHASE 16	±2.00 ACRES	SOLAR ARRAY #7
PHASE 17	±5.00 ACRES	SOLAR ARRAY #6
PHASE 18	±3.30 ACRES	SOLAR ARRAY #6
PHASE 19	±4.80 ACRES	SOLAR ARRAY #5
PHASE 20	±4.80 ACRES	SOLAR ARRAY #5
PHASE 21	±5.00 ACRES	SOLAR ARRAY #5
PHASE 22	±4.50 ACRES	SOLAR ARRAY #5
PHASE 23	±5.00 ACRES	SOLAR ARRAY #4
PHASE 24	±5.00 ACRES	SOLAR ARRAY #4
PHASE 25	±5.00 ACRES	SOLAR ARRAY #4
PHASE 26	±5.00 ACRES	SOLAR ARRAY #4 & #3
PHASE 27	±4.50 ACRES	SOLAR ARRAY #3
PHASE 28	±4.50 ACRES	SOLAR ARRAY #3
PHASE 29	±3.00 ACRES	SOLAR ARRAY #3
PHASE 30	±4.00 ACRES	SOLAR ARRAY #1
PHASE 31	±5.00 ACRES	SOLAR ARRAY #2
PHASE 32	±5.00 ACRES	SOLAR ARRAY #4
PHASE 33	±4.80 ACRES	SOLAR ARRAY #4
TOTAL DISTURBANCE = ±151.70 ACRES		

NOTE:
 PHASES ARE BELOW 5 ACRES OF DISTURBANCE. UPON COMPLETION OF DISTURBANCE ACTIVITIES, EACH PHASE SHOULD BE STABILIZED PRIOR TO DISTURBING THE NEXT PHASE.



**PROPOSED SITE PLAN FOR
 HAWTHORN SOLAR FARM
 HAWTHORN SOLAR, LLC**
 FORDS ROAD & PINE VALLEY ROAD
 TOWN OF HOOSICK
 RENSSELAER COUNTY, NEW YORK

REVISION	DATE	BY

DRAWN BY	DATE

CHECKED BY	DATE

PROJECT NUMBER	DATE

SCALE

1" = 200'

NOT FOR CONSTRUCTION

SHEET TITLE:
PHASING PLAN

SHEET:
C-600

C:\DWGFILES\Environmental Design\Partnership\SharePoint_Site - Documents\A-2\RENSELAER\W032302\001.dwg, Jul 29, 2023 10:23:24 PM

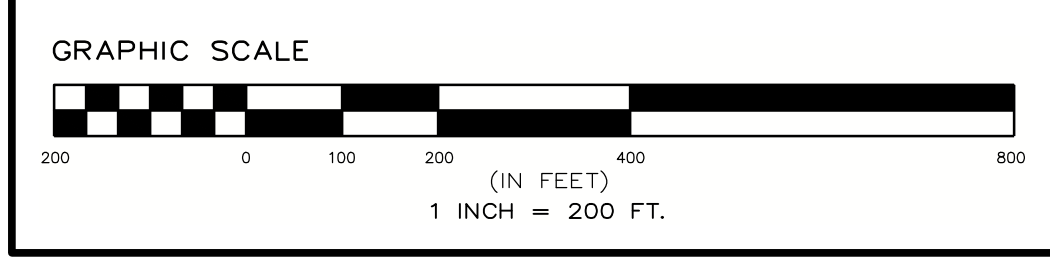
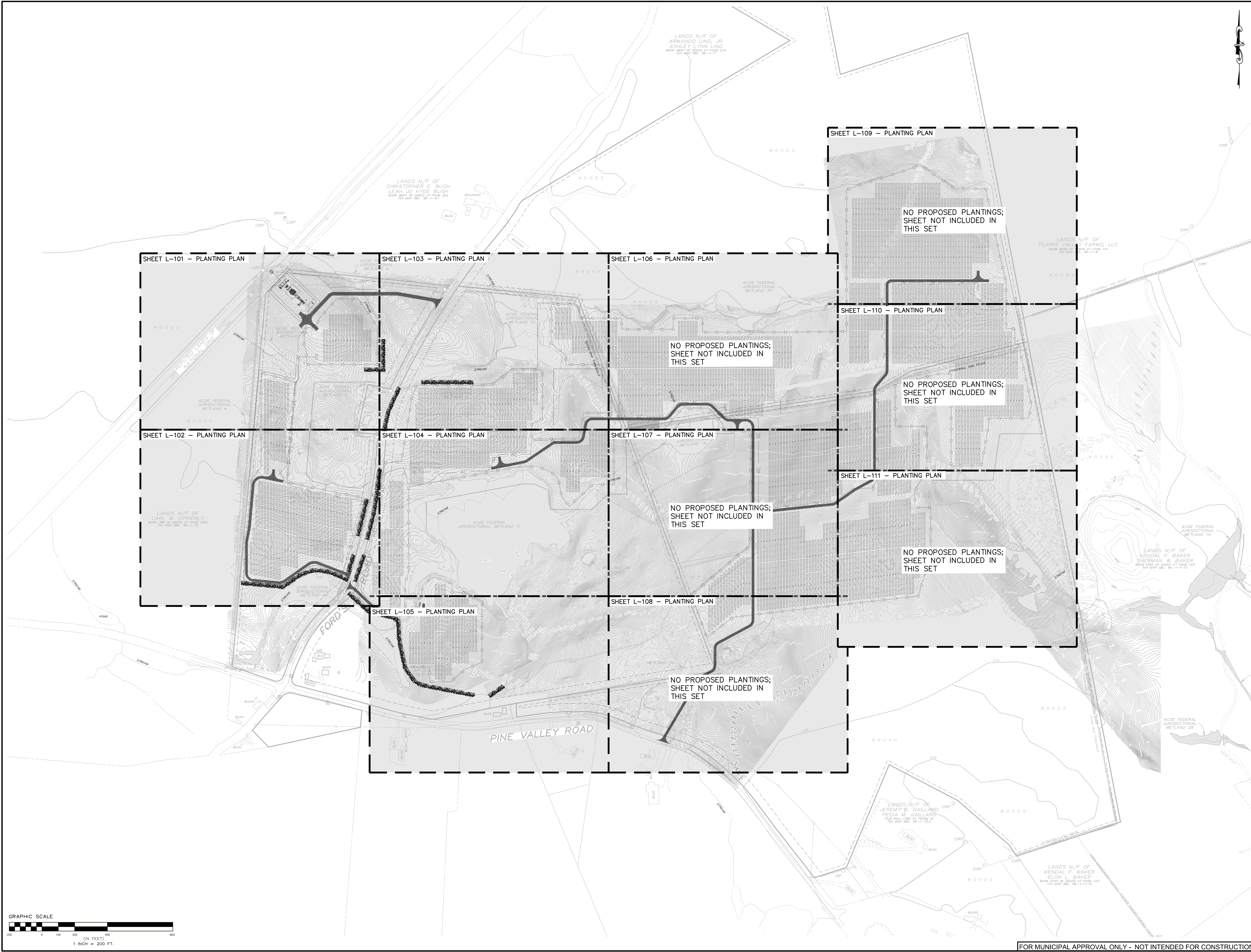
**PROPOSED SITE PLAN FOR
 HAWTHORN SOLAR FARM**
 HAWTHORN SOLAR, LLC
 FORDS ROAD & PINE VALLEY ROAD
 TOWN OF HOOSICK
 RENSSELAER COUNTY, NEW YORK

DRAWN BY	JDM
CHECKED BY	SK
PROJECT NUMBER	1361
DATE	5/11/23
BY	SK

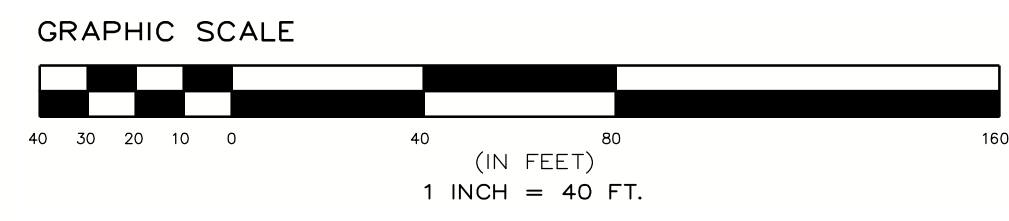
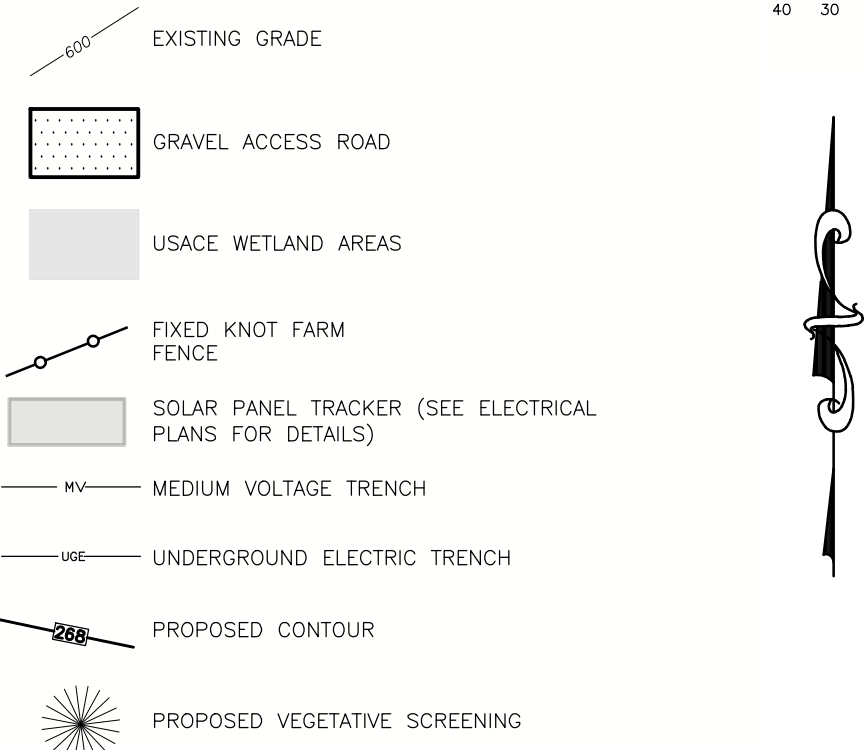
REVISION	DATE	BY
PLANTING PLAN	5/11/23	SK

SCALE:	1" = 200'
NOT FOR CONSTRUCTION	

SHEET TITLE:	OVERALL PLANTING PLAN
SHEET:	L-100

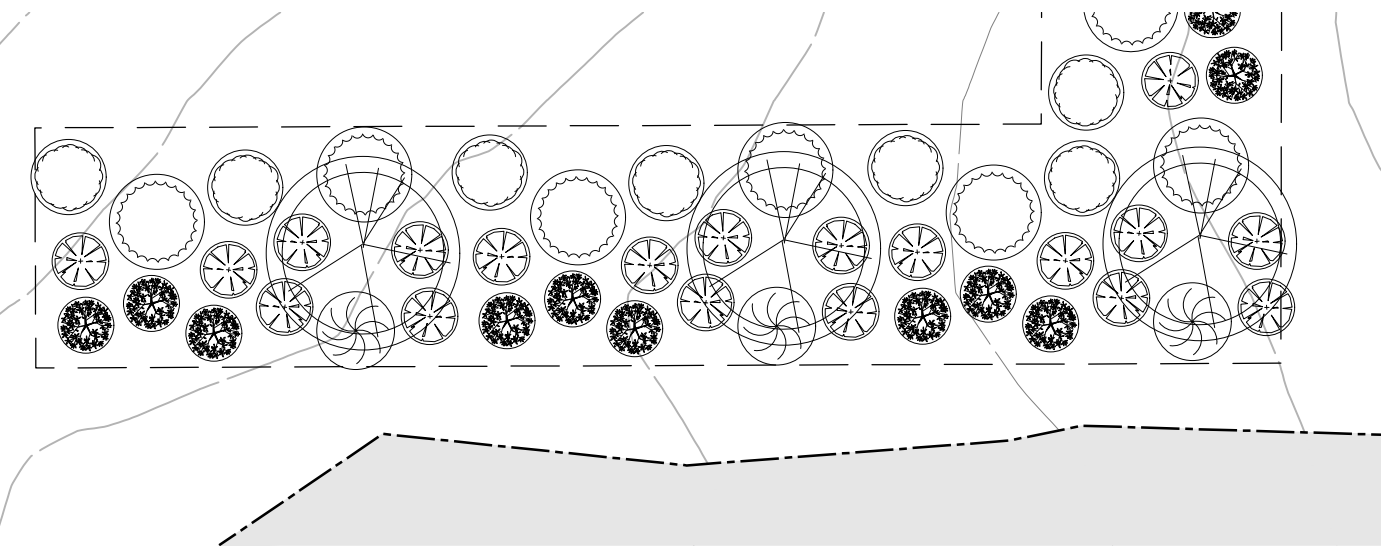


PLANTING PLAN LEGEND

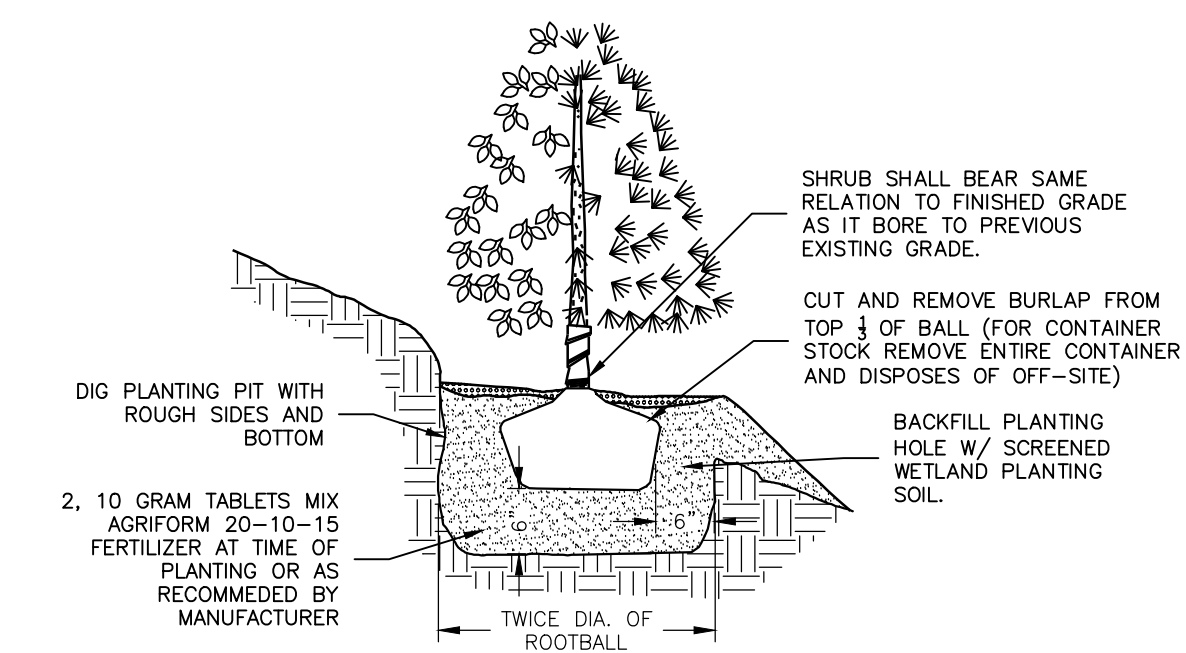


KEY	COMMON	BOTANICAL	SIZE	NO.	SPACING
	BAYBERRY	MYRICA PENNSYLVANICA	3'-4" HT	513	6' O.C. & STAGGERED
	SCARLET OAK	QUERCUS COCCINEA	12'-14" HT	84	45' O.C.
	HIGHBUSH BLUEBERRY	VACCINIUM CORYMBOSUM	5-7 GALLON	266	6' O.C. & STAGGERED
	EASTERN RED CEDAR	JUNIPERUS VIRGINIANA	6'-8" HT	175	18' O.C.
	PITCH PINE	PINUS RIGIDA	8-10" HT	172	20' O.C. & STAGGERED
	SCRUB OAK	QUERCUS ILICIFOLIA	3'-4" HT	84	45' O.C.

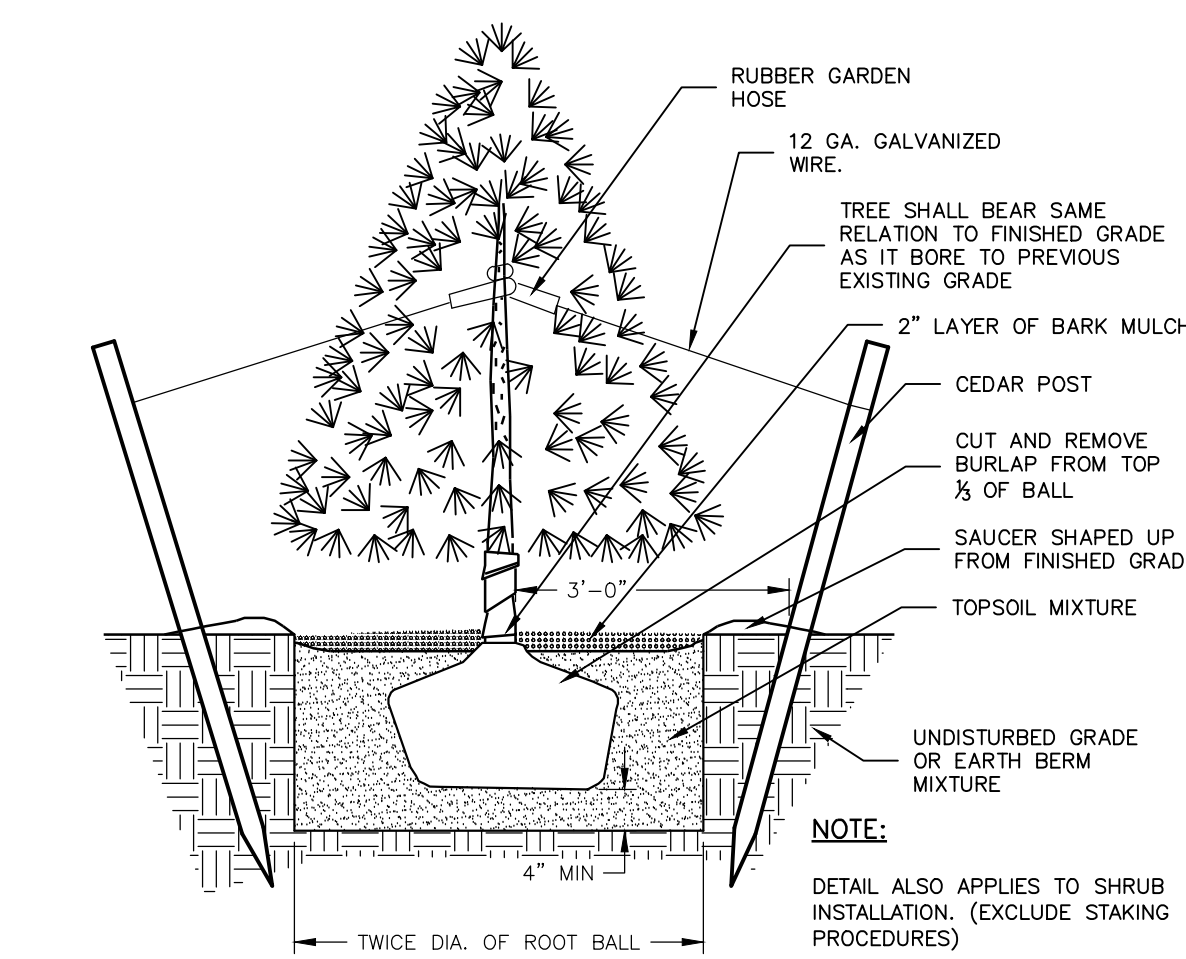
*NO. DENOTES TOTAL NUMBER OF PROPOSED PLANTINGS FOR ENTIRE SITE PLAN



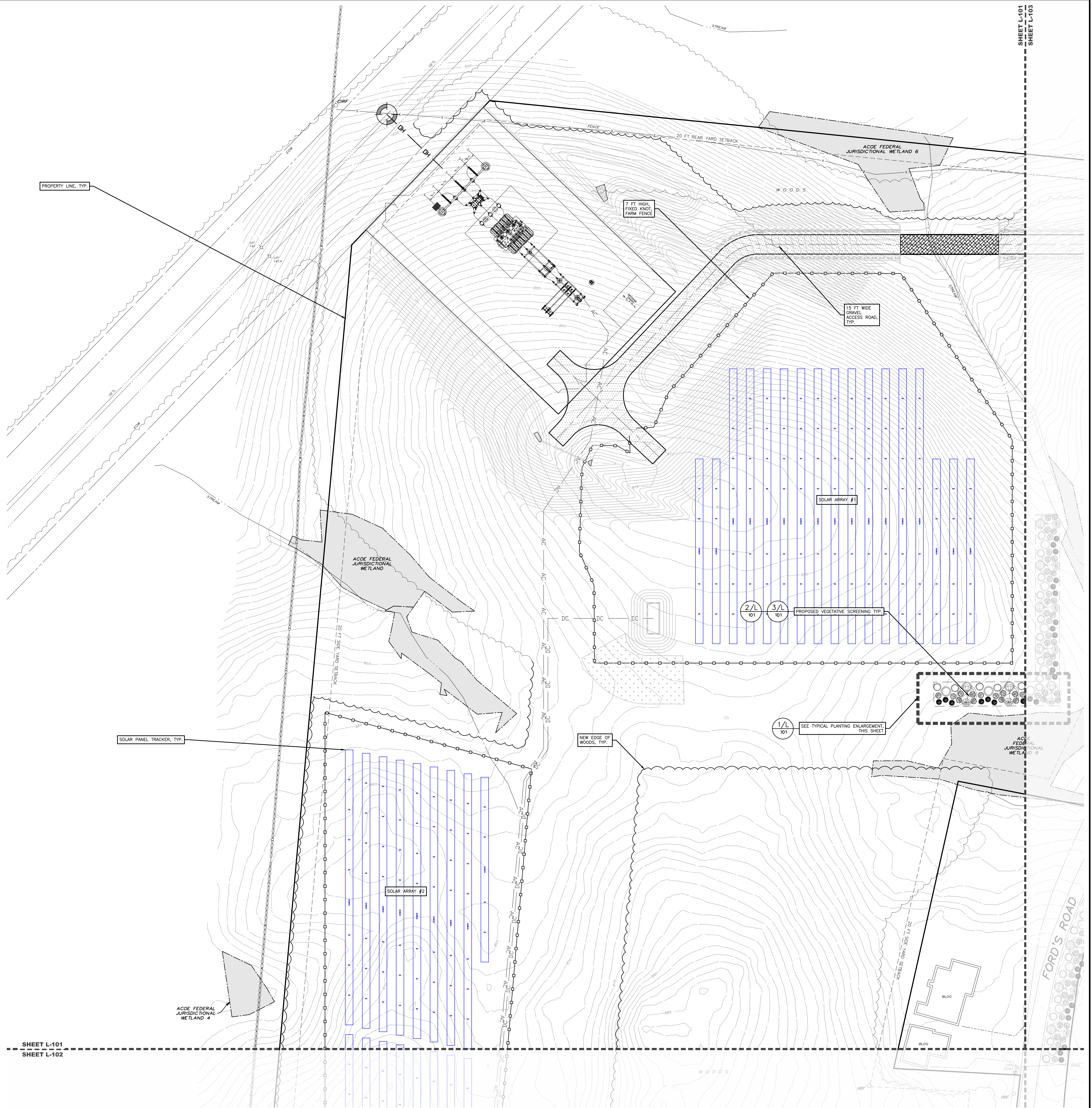
1/L TYPICAL PLANTING ENLARGEMENT
1/10 1"=20'



2/L PLANTING ON A SLOPE
1/101 NOT TO SCALE



3/L CONIFEROUS PLANTING
1/101 NOT TO SCALE



SHEET L-101
SHEET L-102

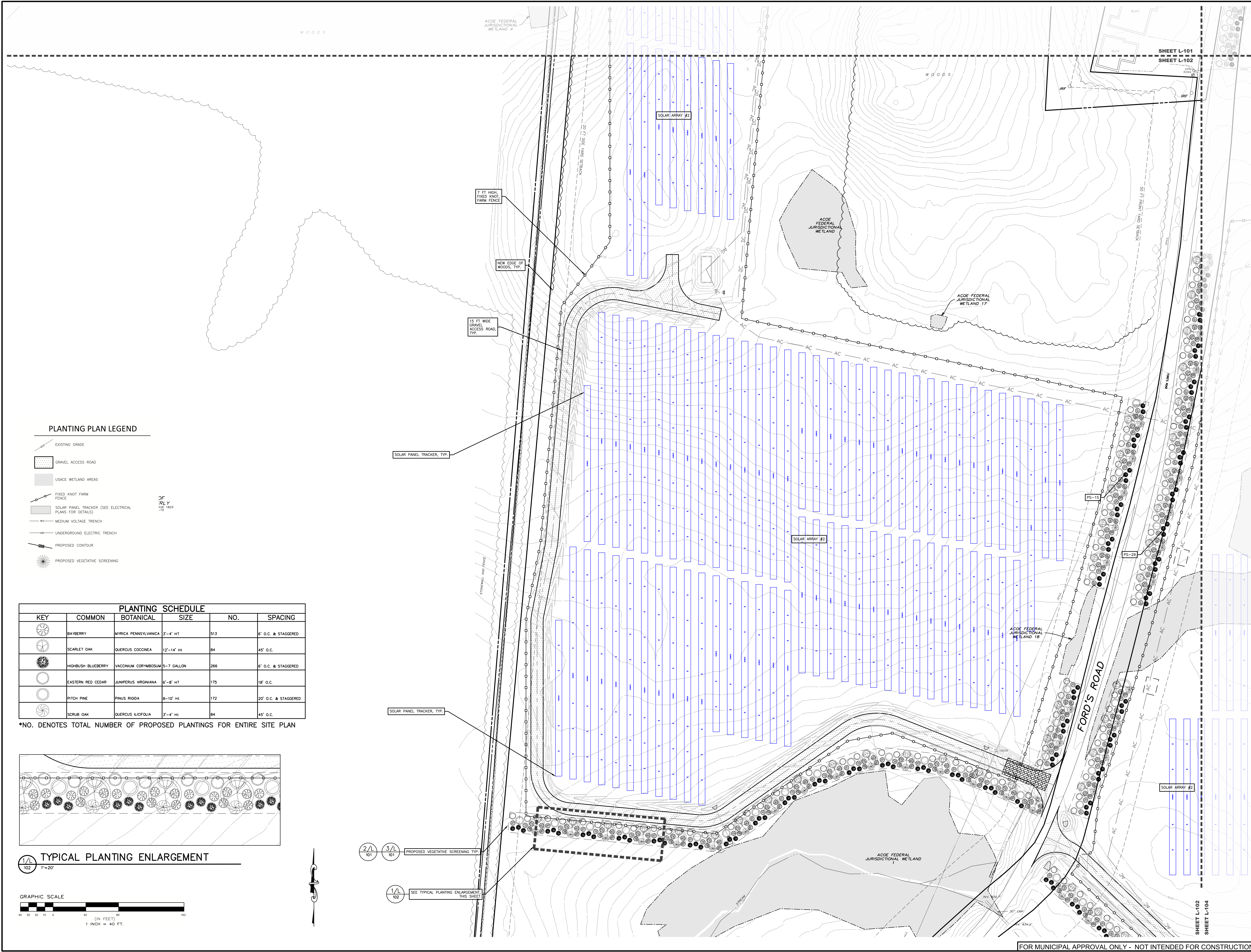
DATE:	10/2022
CHECKED BY:	JDM
DESIGNED BY:	SKA
PROJECT NUMBER:	13661
REVISION:	DATE BY
PLANTING PLAN:	5/11/23 SKA

SCALE:	1" = 40'
NOT FOR CONSTRUCTION	
SHEET TITLE:	PLANTING PLAN
SHEET:	L-101

**PROPOSED SITE PLAN FOR
 HAWTHORN SOLAR FARM**
 HAWTHORN SOLAR, LLC
 FORDS ROAD & PINE VALLEY ROAD
 TOWN OF HOOSICK
 RENSSELAER COUNTY, NEW YORK

DESIGNED BY	JDM
CHECKED BY	STK
DATE	11/01/23
PROJECT NUMBER	13661
REVISION	DATE
PLANTING PLAN	5/11/23

SCALE:	1" = 40'
NOT FOR CONSTRUCTION	
SHEET TITLE:	PLANTING PLAN
SHEET:	L-102



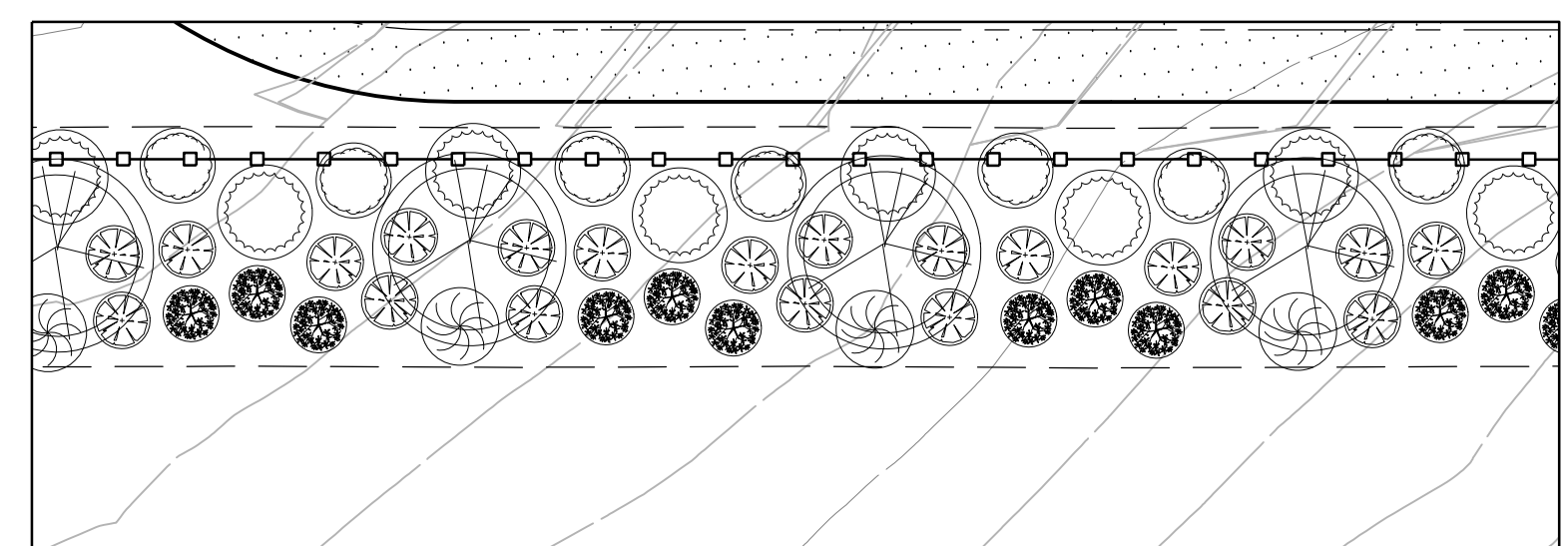
PLANTING PLAN LEGEND

- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USACE WETLAND AREAS
- FIXED KNOT FARM FENCE
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS)
- MEDIUM VOLTAGE TRENCH
- UNDERGROUND ELECTRIC TRENCH
- PROPOSED CONTOUR
- PROPOSED VEGETATIVE SCREENING

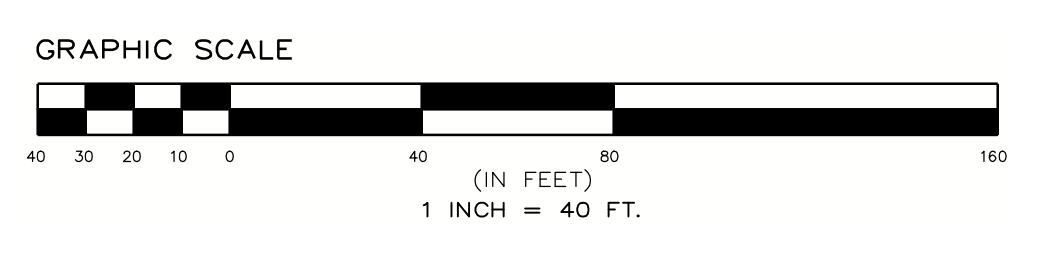
DF
 RLY
 10/17/23

KEY	COMMON	BOTANICAL	SIZE	NO.	SPACING
	BAYBERRY	MYRICA PENNSYLVANICA	3'-4' HT	913	6' O.C. & STAGGERED
	SCARLET OAK	QUERCUS COCCINEA	12'-14' HT	84	45' O.C.
	HIGHBUSH BLUEBERRY	VACCINIUM CORYMBOSUM	5-7 GALLON	266	6' O.C. & STAGGERED
	EASTERN RED CEDAR	JUNIPERUS VIRGINIANA	6'-8' HT	179	18' O.C.
	PITCH PINE	PINUS RIGIDA	8-10' HT	172	20' O.C. & STAGGERED
	SCRUB OAK	QUERCUS ILICIFOLIA	3'-4' HT	84	45' O.C.

*NO. DENOTES TOTAL NUMBER OF PROPOSED PLANTINGS FOR ENTIRE SITE PLAN



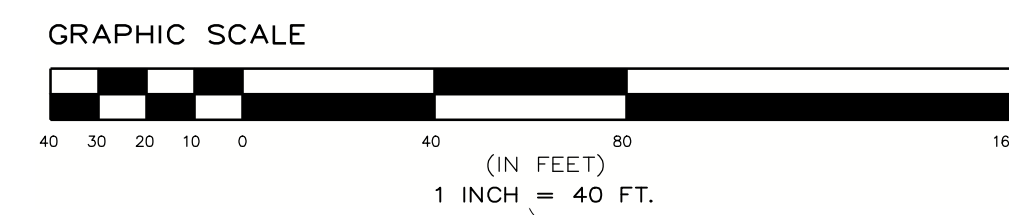
TYPICAL PLANTING ENLARGEMENT
 1" = 20'



- 2/L 101 PROPOSED VEGETATIVE SCREENING, TYP.
- 3/L 101 PROPOSED VEGETATIVE SCREENING, TYP.
- 1/L 102 SEE TYPICAL PLANTING ENLARGEMENT THIS SHEET

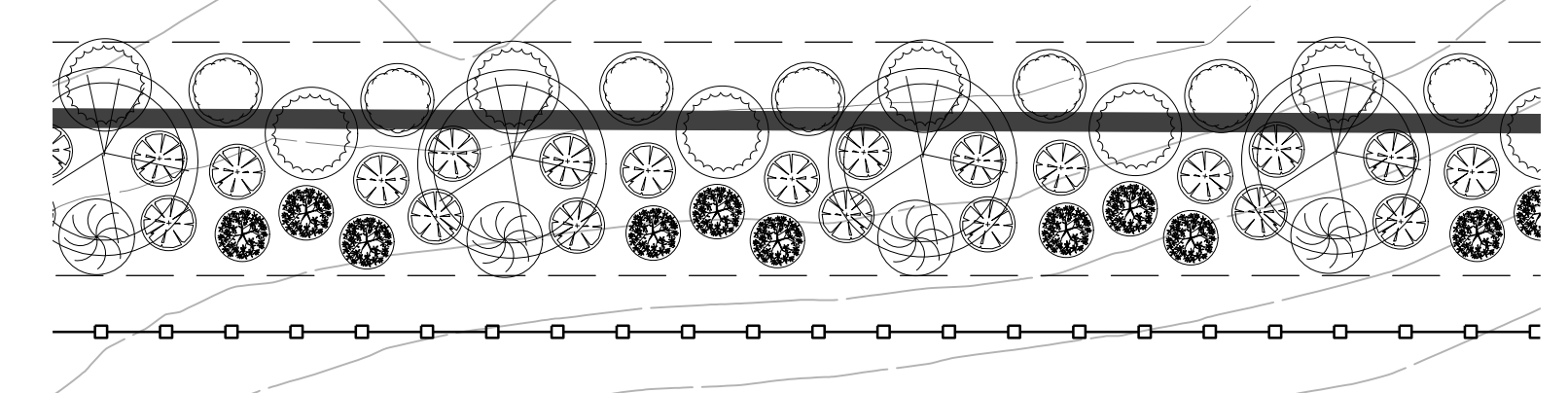
PLANTING SCHEDULE					
KEY	COMMON	BOTANICAL	SIZE	NO.	SPACING
	BAYBERRY	MYRICA PENNSYLVANICA	3'-4' HT	513	6' O.C. & STAGGERED
	SCARLET OAK	QUERCUS COCCINEA	12'-14' HT	84	45' O.C.
	HIGHBUSH BLUEBERRY	VACCINIUM CORYMBOSUM	5-7 GALLON	266	6' O.C. & STAGGERED
	EASTERN RED CEDAR	JUNIPERUS VIRGINIANA	6'-8' HT	175	18' O.C.
	PITCH PINE	PINUS RIGIDA	8-10' HT	172	20' O.C. & STAGGERED
	SCRUB OAK	QUERCUS ILICIFOLIA	3'-4' HT	84	45' O.C.

*NO. DENOTES TOTAL NUMBER OF PROPOSED PLANTINGS FOR ENTIRE SITE PLAN

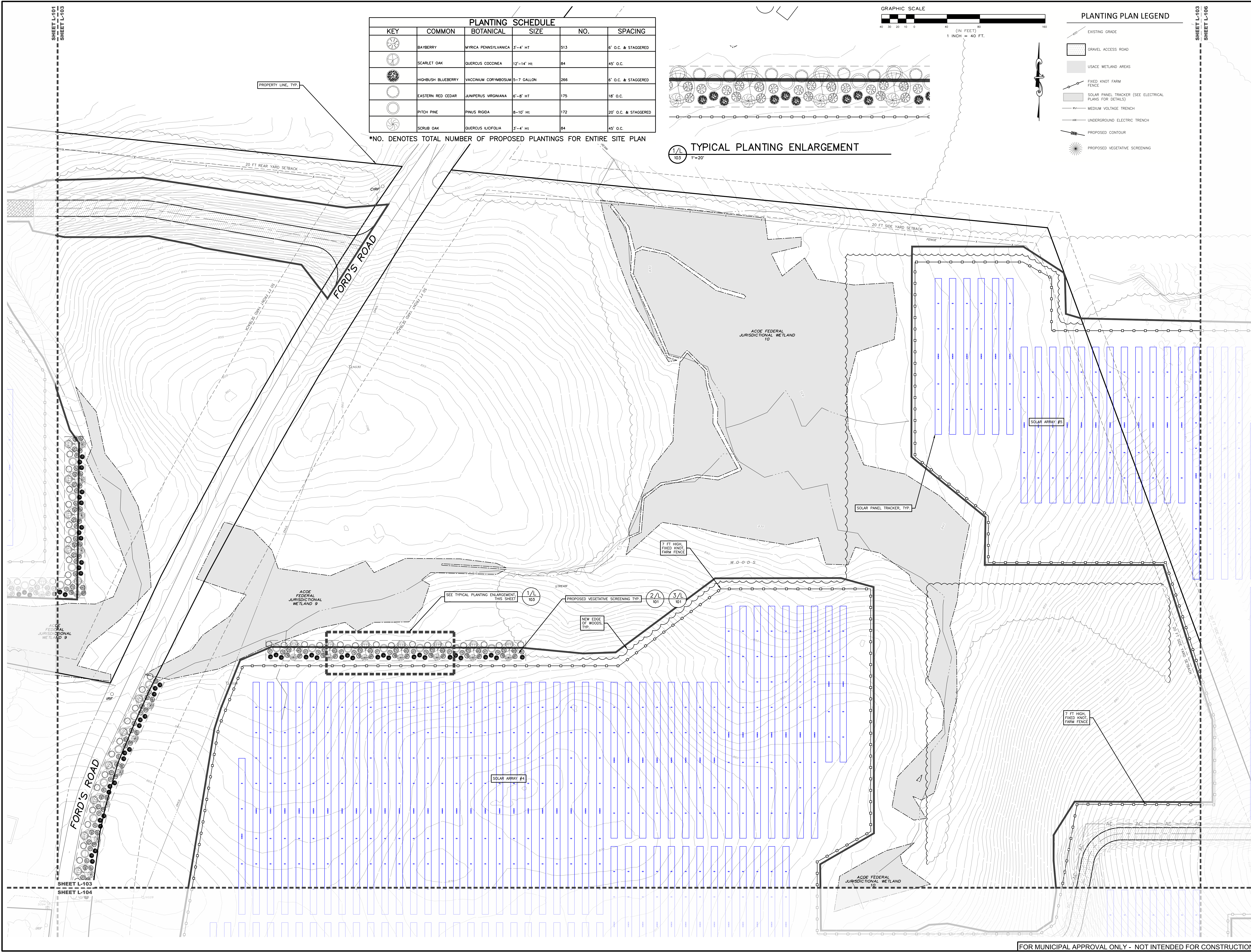


PLANTING PLAN LEGEND

- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USACE WETLAND AREAS
- FIXED KNOT FARM FENCE
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS)
- MEDIUM VOLTAGE TRENCH
- UNDERGROUND ELECTRIC TRENCH
- PROPOSED CONTOUR
- PROPOSED VEGETATIVE SCREENING



1/L 103 TYPICAL PLANTING ENLARGEMENT 1" = 20'



PROPOSED SITE PLAN FOR
HAWTHORN SOLAR FARM
 HAWTHORN SOLAR, LLC
 FORDS ROAD & PINE VALLEY ROAD
 TOWN OF HOOSICK
 RENSSELAER COUNTY, NEW YORK

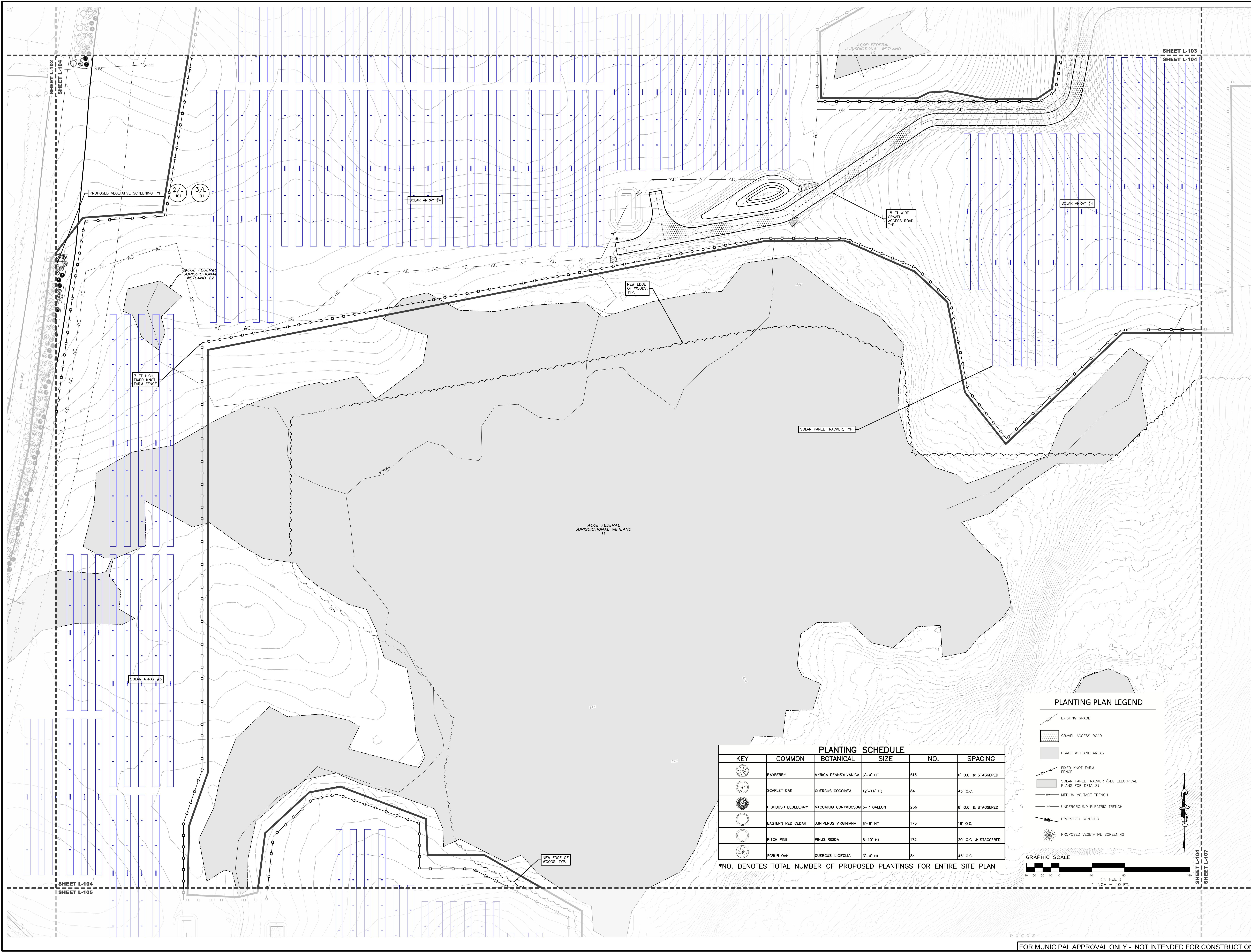
DRAWN BY:	JEM
CHECKED BY:	SKA
PROJECT NUMBER:	13661
DATE:	5/11/23

SCALE:	1" = 40'
SHEET TITLE:	PLANTING PLAN
SHEET:	L-103

FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION

**PROPOSED SITE PLAN FOR
 HAWTHORN SOLAR FARM**
 HAWTHORN SOLAR, LLC
 FORDS ROAD & PINE VALLEY ROAD
 TOWN OF HOOSICK
 RENSSELAER COUNTY, NEW YORK

DESIGN BY:	JDM
CHECKED BY:	DKA
PROJECT NUMBER:	13661
DATE:	5/17/23
REVISION:	
PLANTING PLAN:	

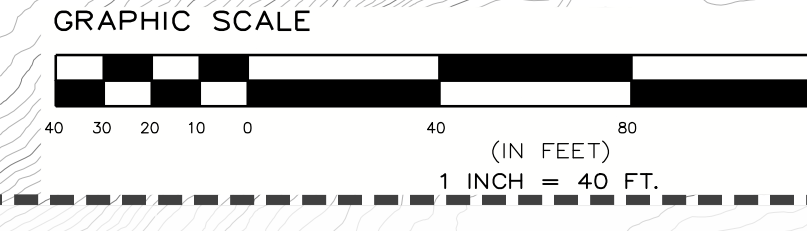


PLANTING SCHEDULE					
KEY	COMMON	BOTANICAL	SIZE	NO.	SPACING
	BAYBERRY	MYRICA PENNSYLVANICA	3'-4' HT	513	6' O.C. & STAGGERED
	SCARLET OAK	QUERCUS COCCINEA	12'-14' HT	84	45' O.C.
	HIGHBUSH BLUEBERRY	VACCINIUM CORYMBOSUM	5-7 GALLON	266	6' O.C. & STAGGERED
	EASTERN RED CEDAR	JUNIPERUS VIRGINIANA	6'-8' HT	175	18' O.C.
	PITCH PINE	PINUS RIGIDA	8-10' HT	172	20' O.C. & STAGGERED
	SCRUB OAK	QUERCUS ILICIFOLIA	3'-4' HT	84	45' O.C.

*NO. DENOTES TOTAL NUMBER OF PROPOSED PLANTINGS FOR ENTIRE SITE PLAN

PLANTING PLAN LEGEND

- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USACE WETLAND AREAS
- FIXED KNOT FARM FENCE
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS)
- MEDIUM VOLTAGE TRENCH
- UNDERGROUND ELECTRIC TRENCH
- PROPOSED CONTOUR
- PROPOSED VEGETATIVE SCREENING



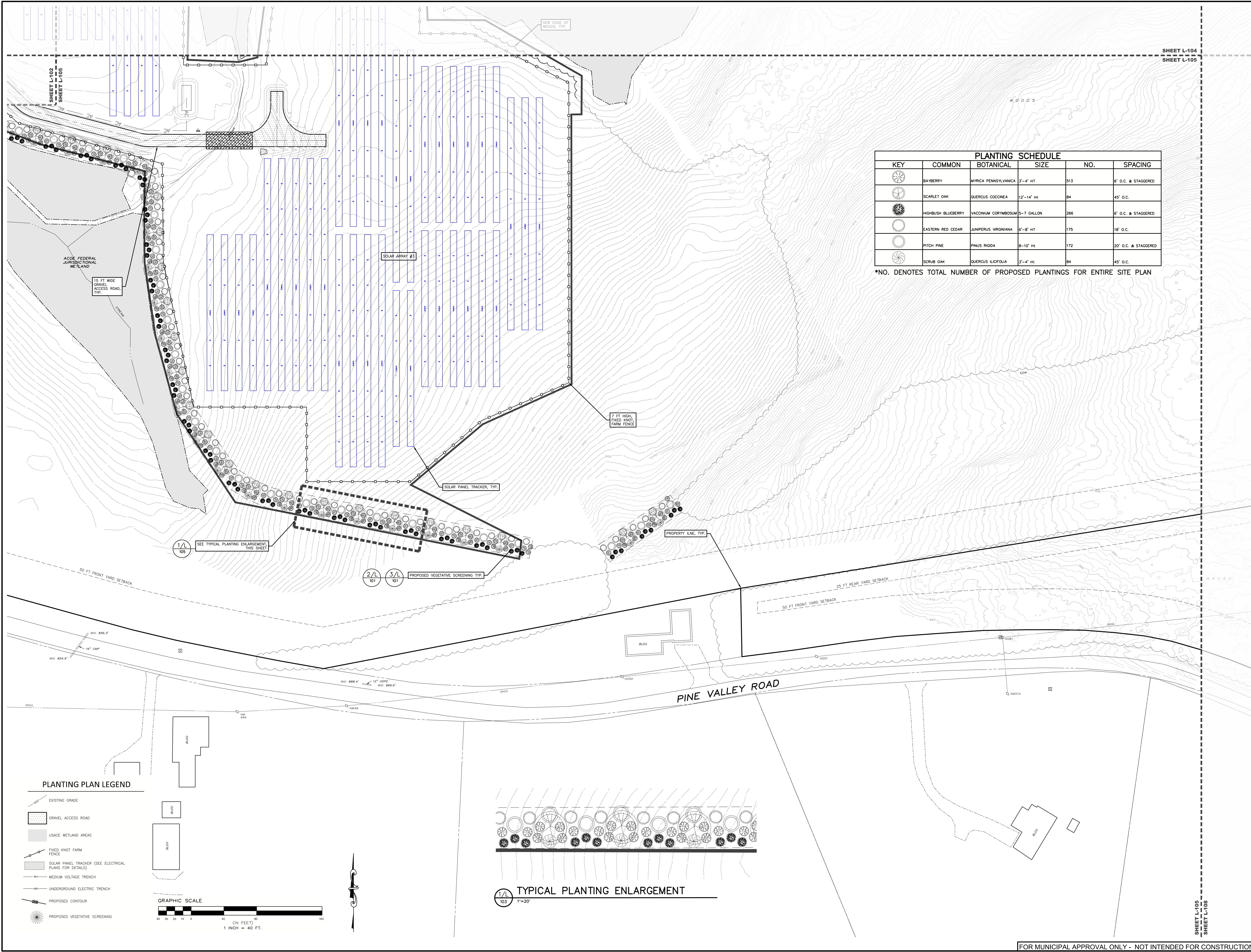
WOODS
 FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION

DRAWN BY:	JDM
CHECKED BY:	SKA
DATE:	11/01
PROJECT NUMBER:	1361

REVISION	DATE	BY
PLANTING PLAN	5/11/23	SKA

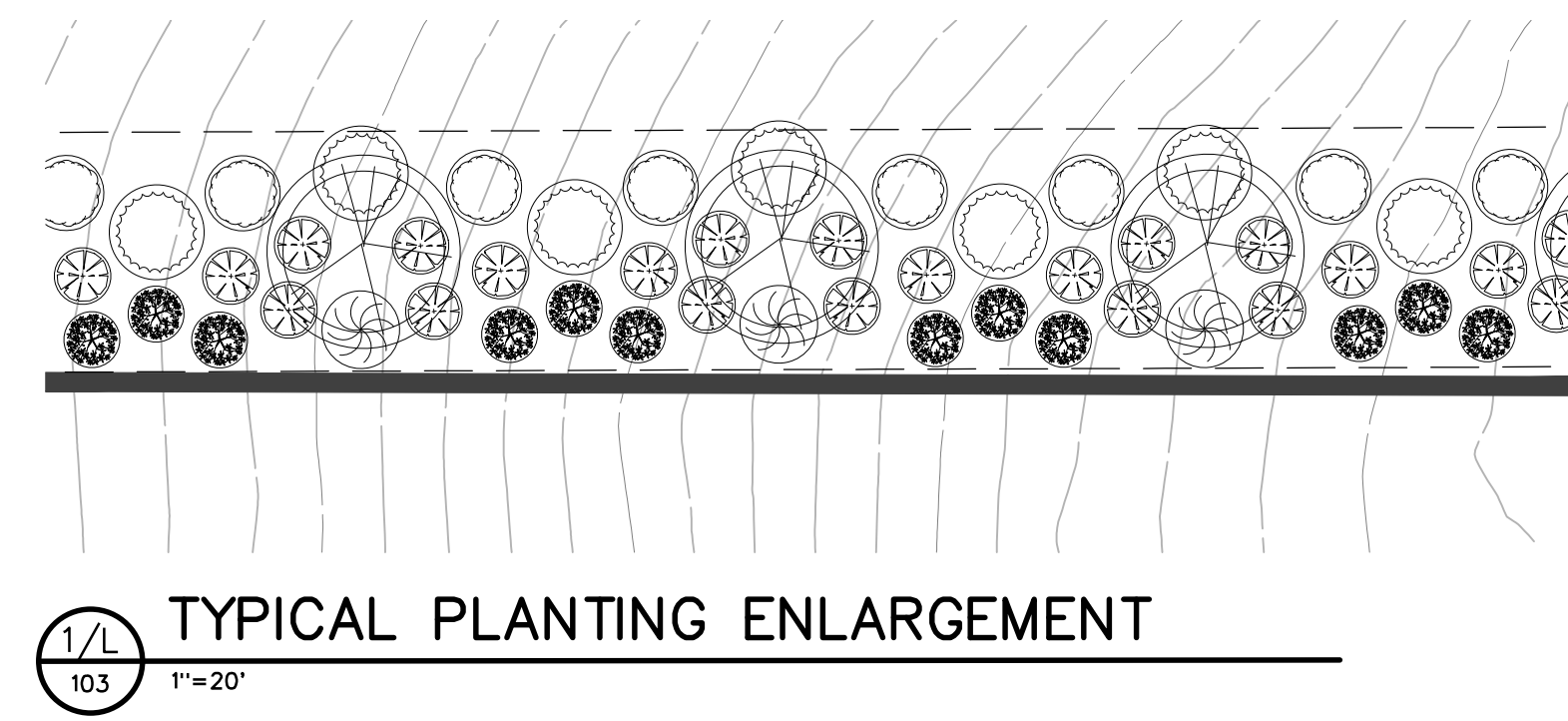
SCALE:	1" = 40'
NOT FOR CONSTRUCTION	
SHEET TITLE:	PLANTING PLAN

SHEET:	L-105
--------	-------



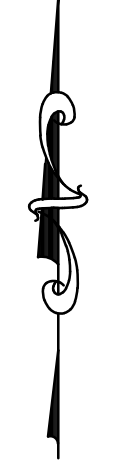
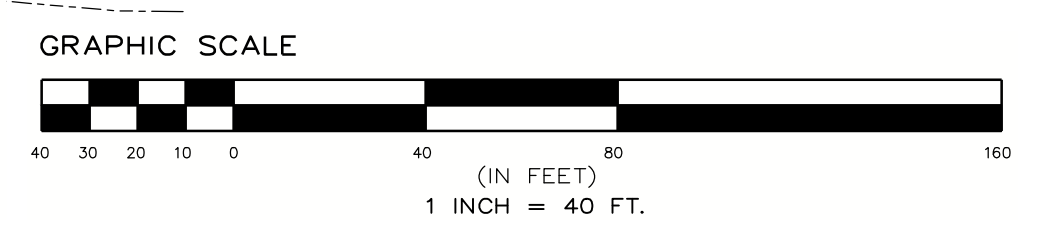
PLANTING SCHEDULE					
KEY	COMMON	BOTANICAL	SIZE	NO.	SPACING
	BAYBERRY	MYRICA PENNSYLVANICA	3'-4' HT	513	6' O.C. & STAGGERED
	SCARLET OAK	QUERCUS COCCINEA	12'-14' HT	84	45' O.C.
	HIGHBUSH BLUEBERRY	VACCINIUM CORYMBOSUM	5-7 GALLON	266	6' O.C. & STAGGERED
	EASTERN RED CEDAR	JUNIPERUS VIRGINIANA	6'-8' HT	175	18' O.C.
	PITCH PINE	PINUS RIGIDA	8-10' HT	172	20' O.C. & STAGGERED
	SCRUB OAK	QUERCUS ILICIFOLIA	3'-4' HT	84	45' O.C.

*NO. DENOTES TOTAL NUMBER OF PROPOSED PLANTINGS FOR ENTIRE SITE PLAN



PLANTING PLAN LEGEND

- EXISTING GRADE
- GRAVEL ACCESS ROAD
- USACE WETLAND AREAS
- FIXED KNOT FARM FENCE
- SOLAR PANEL TRACKER (SEE ELECTRICAL PLANS FOR DETAILS)
- MEDIUM VOLTAGE TRENCH
- UNDERGROUND ELECTRIC TRENCH
- PROPOSED CONTOUR
- PROPOSED VEGETATIVE SCREENING



SHEET L-104
 SHEET L-105

SHEET L-105
 SHEET L-108

FOR MUNICIPAL APPROVAL ONLY - NOT INTENDED FOR CONSTRUCTION