

- NOTES:
1. FENCE SETBACK IS 50 FT FROM ALL PROPERTY LINES
 2. FENCE SETBACK IS 125 FT FROM ALL ADJOINING RESIDENTIAL PROPERTY LINES AND MAJOR ROADWAYS.
 3. SEE SL2.5 FOR BUFFER LANDSCAPING DETAILS
 4. EXISTING VEGETATION MAY BE LEFT IN PLACE AND USED IN LIEU OF A LANDSCAPED BUFFER IN AREAS WHERE IT WILL NOT INTERFERE WITH THE OPERATION OF THE SOLAR FACILITY.
 5. SITE LAYOUT AND EQUIPMENT LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE
 6. SITE ACCESS PATHS WILL BE A MIN OF 12 FT WIDE.
 7. SITE ENTRANCES SHALL BE MARKED WITH GATE NUMBER AND ADDRESS, EACH WILL ALSO BE EQUIPPED WITH KNOX LOCKS.
 8. COUNTY PROPOSED MAJOR ROADWAY AND PROPOSED WATER TREATMENT FACILITY AS SHOWN ARE BASED ON THE HANOVER COUNTY COMPREHENSIVE PLAN, HOWEVER THE LAND OWNER OBJECTS TO THE INCLUSION OF THEIR PROPERTY FOR THESE USES.
 9. ALL AREAS NOT MARKED AR-2, AR-5, R-1 OR RC ARE ZONED A-1

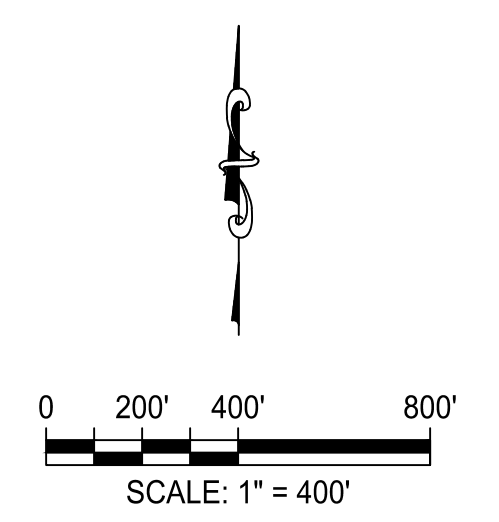
SL2.2

SL2.3

SL2.1

SL2.4

LEGEND	
PROPERTY BOUNDARY	
PV ARRAY	
FENCE	
VEGETATIVE BUFFER	
SITE ACCESS POINTS	
SITE ACCESS PATHS	
FLOOD ZONE LINE	



KEY PLAN



192 Raceway Dr.

Moorestville, NC 28117

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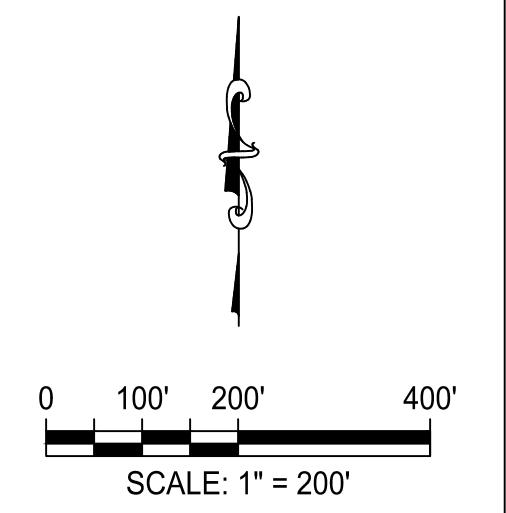
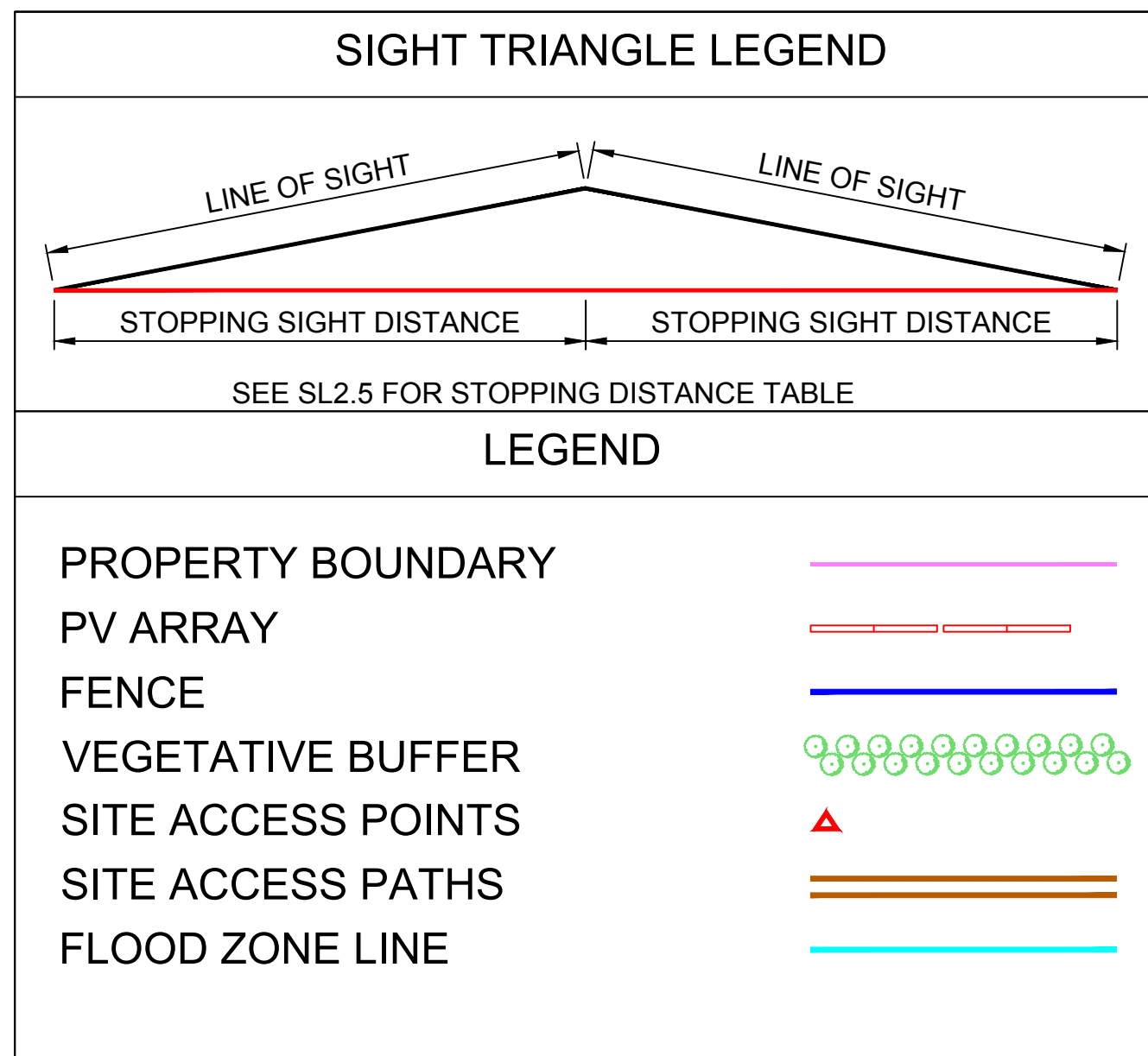
DRAWING LOG	
NO.	DATE DESCRIPTION
0	3/28/19 INITIAL LAYOUT
1	1/28/20 REVISED SITE PLAN
2	8/10/20 REVISED SITE PLAN
3	8/24/20 REVISED SITE PLAN
4	11/17/20 REVISED SITE PLAN ON SURVEY
5	10/21/21 ADDED SITE INTERNAL PROPERTY LINES
6	10/21/21 UPDATED PER COUNTY COMMENTS
7	
8	

PROJECT NAME	SPRINGFIELD FARM
DRAWING TITLE	SOLAR, LLC PV POWER PLANT IN ASHLAND, VA
CHECKED	LN
DRAWN	CJM
LATEST REVISION	19 APRIL 2021
DRAWING NO.	SL2.0

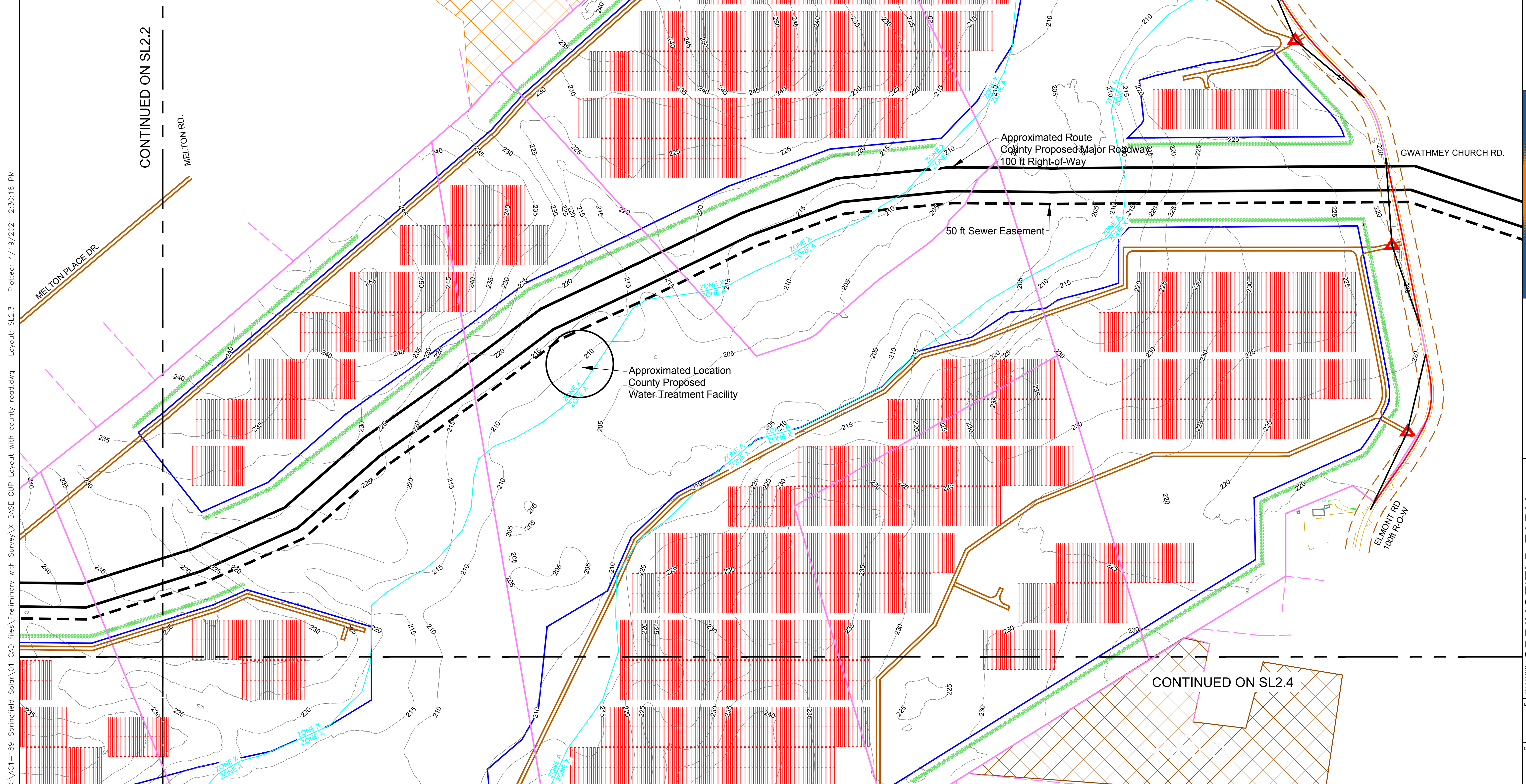


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DRAWING NO.		SL2.2	
DRAWING TITLE		PRELIMINARY LAYOUT 2	
PROJECT NAME	SPRINGFIELD FARM SOLAR, LLC PV POWER PLANT IN ASHLAND, VA		
DRAWING NO.	CHECKED	LN	
LATEST REVISION	DRAWN	CJM	
	19 APRIL 2021		
DRAWING LOG			
NO.	DATE	DESCRIPTION	
0	3/28/19	INITIAL LAYOUT	
1	12/18/19	REVISED SITE PLAN	
2	01/31/20	REVISED SITE PLAN	
3	09/21/20	REVISED SITE PLAN	
	11/17/20	REVISED SITE PLAN ON SURVEY	
5	01/21/21	ADDED SITE INTERNAL PROPERTY LINES	
6	04/19/21	UPDATED PER COUNTY COMMENTS	
7			
8			



KEY PLAN

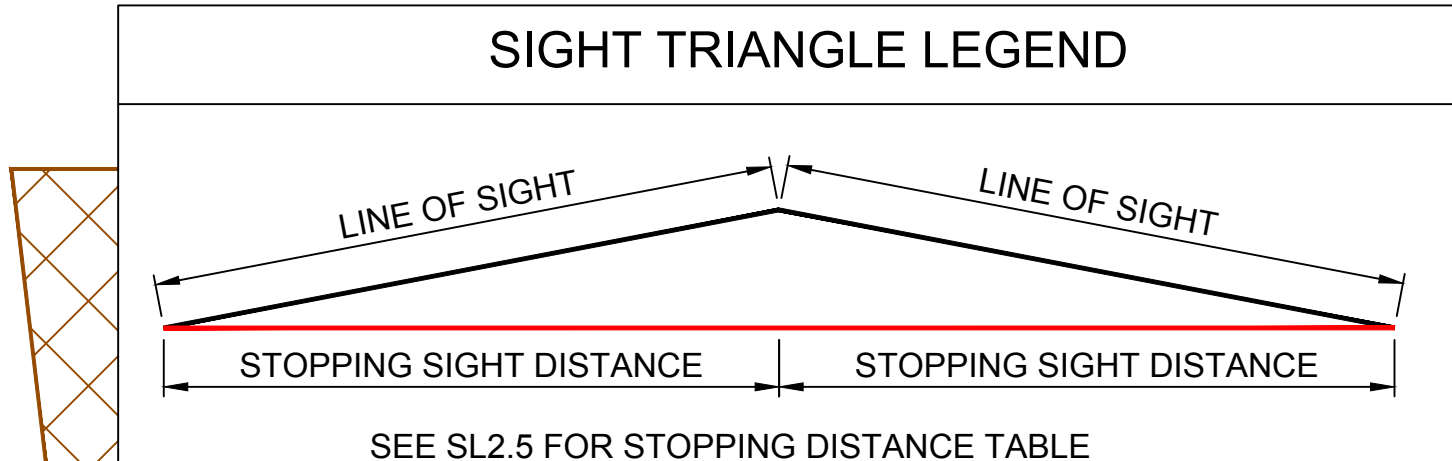
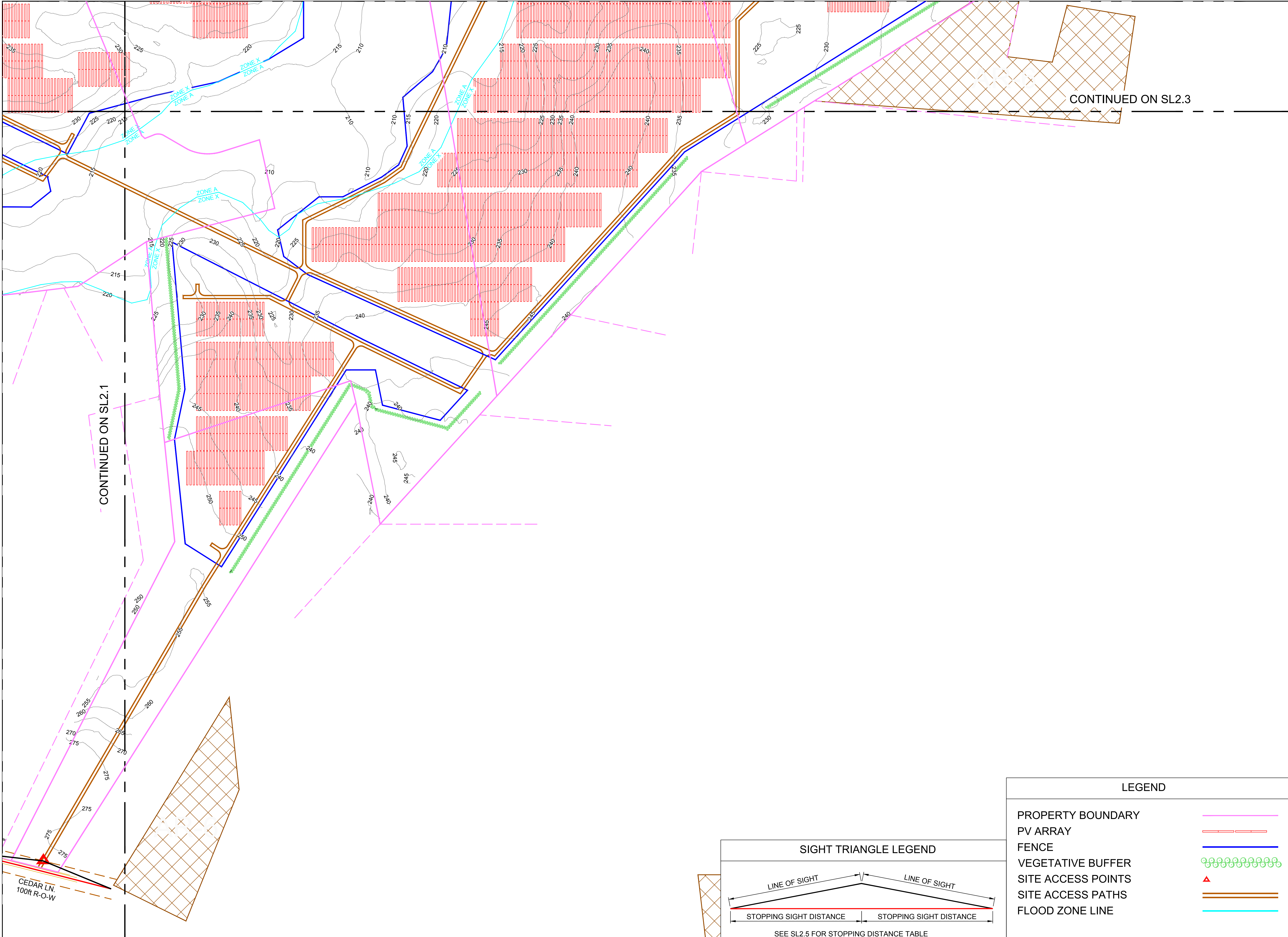


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DRAWING LOG	
NO.	DATE DESCRIPTION
0	3/20/19 INITIAL LAYOUT
1	12/18/19 REVISED SITE PLAN
2	01/31/20 REVISED SITE PLAN
3	09/27/20 REVISED SITE PLAN
4	11/17/20 REVISED SITE PLAN ON SURVEY
5	01/21/21 ADDED SITE INTERNAL PROPERTY LINES
6	04/19/21 UPDATED PER COUNTY COMMENTS
7	
8	

PROJECT NAME SOLAR, LLC		JOB NO.	
PROJECT ADDRESS PV POWER PLANT IN ASHLAND, VA		CHECKED	
DATE OF DRAWING 19 APRIL 2021		DRAWN BY LN	
DESIGNED BY CJM		LATEST REVISION	

X:\AC1-189_Springfield Solar\01 CAD files\Preliminary with Survey\X_BASE CUP Layout with county road.dwg Layout: SL2.4 Plotted: 4/19/2021 2:30:35 PM



LEGEND	
PROPERTY BOUNDARY	
PV ARRAY	
FENCE	
VEGETATIVE BUFFER	
SITE ACCESS POINTS	
SITE ACCESS PATHS	
FLOOD ZONE LINE	

PROJECT NAME SPRINGFIELD FARM	DRAWING LOG	
	NO.	DESCRIPTION
DRAWING TITLE SOLAR, LLC PV POWER PLANT IN ASHLAND, VA	0	3/28/19 INITIAL LAYOUT
	1	10/18/19 REVISED SITE PLAN
JOB NO. LN	2	01/01/20 REVISED SITE PLAN
	3	06/01/20 REVISED SITE PLAN
LATEST REVISION 19 APRIL 2021	4	11/17/20 REVISED SITE PLAN ON SURVEY
	5	01/21/21 ADDED SITE INTERNAL PROPERTY LINES
DRAWN CJM	6	04/19/21 UPDATED PER COUNTY COMMENTS
	7	
DRAWING NO. SL2.4	8	



192 Raceway Dr.

Moorestville, NC 28117

(T) 704-662-0375

(F) 704-662-0362

KEY PLAN	
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0 100' 200' 400'

SCALE: 1" = 200'



Ilex Nellie Stevens
(NELLIE Stevens Holly)



Juniperus Virginiana
(Eastern Red Cedar)



Thuja Occidentalis
(Emerald Cedar)



Cupressocyparis LeylandII
(Leyland Cypress)



VEGETATIVE BUFFER DETAIL

NOTES:

1. FENCE SHALL BE CHAIN LINK INSTALLED AT A MINIMUM OF 6 FEET IN HEIGHT, WITH A MINIMUM OF 1 FOOT TOPER UTILIZING AT LEAST 3 STRANDS OF BARBED WIRE. PER NEC 110.31
2. EVERGREENS PLANTED AT A MINIMUM HEIGHT OF 8 FEET.
3. BUFFER SHALL CONSIST OF A DOUBLE ROW OF OFFSET TREES PLANTED AT INTERVALS OF 12.5 FEET ON CENTER.
4. FENCE SETBACK A MINIMUM OF 50 FEET AND 125 FEET ALONG ROADWAYS AND RESIDENTIAL PROPERTY LINES.

ACCEPTABLE BUFFER TREES

(SOURCE: HANOVER COUNTY ORDINANCE: DIVISION 5 SECTION 26-263)

- ILLEX NELLIE STEVENS (NELLIE STEVENS HOLLY)
- JUNIPERUS VIRGINIANA (EASTERN RED CEDAR)
- THUJA OCCIDENTALIS (EMERALD CEDAR)
- CUPRESSOCYPARIS LEYLANDII (LEYLAND CYPRESS)

A MINIMUM OF THREE SPECIES SHALL BE INSTALLED IN THE LANDSCAPE BUFFER. QUANTITIES OF EACH OF THE THREE SPECIES SHALL BE EQUALLY DISTRIBUTED. THREE SPECIES NOT LISTED ABOVE MAY BE USED IF APPROVED IN WRITING BY HANOVER COUNTY PLANNING DEPARTMENT

Table 3-1. Stopping Sight Distance on Level Roadways

Metric					U.S. Customary				
Design Speed (km/h)	Brake Reaction Distance (m)	Braking Distance on Level (m)	Stopping Sight Distance Calculated (m)	Design (m)	Design Speed (mph)	Brake Reaction Distance (ft)	Braking Distance on Level (ft)	Stopping Sight Distance Calculated (ft)	Design (ft)
20	13.9	4.6	18.5	20	15	55.1	21.6	76.7	80
30	20.9	10.3	31.2	35	20	73.5	38.4	111.9	115
40	27.8	18.4	46.2	50	25	91.9	60.0	151.9	155
50	34.8	28.7	63.5	65	30	110.3	86.4	196.7	200
60	41.7	41.3	83.0	85	35	128.6	117.6	246.2	250
70	48.7	56.2	104.9	105	40	147.0	153.6	300.6	305
80	55.6	73.4	129.0	130	45	165.4	194.4	359.8	360
90	62.6	92.9	155.5	160	50	183.8	240.0	423.8	425
100	69.5	114.7	184.2	185	55	202.1	290.3	492.4	495
110	76.5	138.8	215.3	220	60	220.5	345.5	566.0	570
120	83.4	165.2	248.6	250	65	238.9	405.5	644.4	645
130	90.4	193.8	284.2	285	70	257.3	470.3	727.6	730
					75	275.6	539.9	815.5	820
					80	294.0	614.3	908.3	910

Note: Brake reaction distance predicated on a time of 2.5 s; deceleration rate of 3.4 m/s² [11.2 ft/s²] used to determine calculated sight distance.

Source: AASHTO "Green Book" Table 3-1.

For Cedar Lane and Elmont Road Entrances Stopping Sight Distance for Posted Speed Limit of 45mph is Shown.

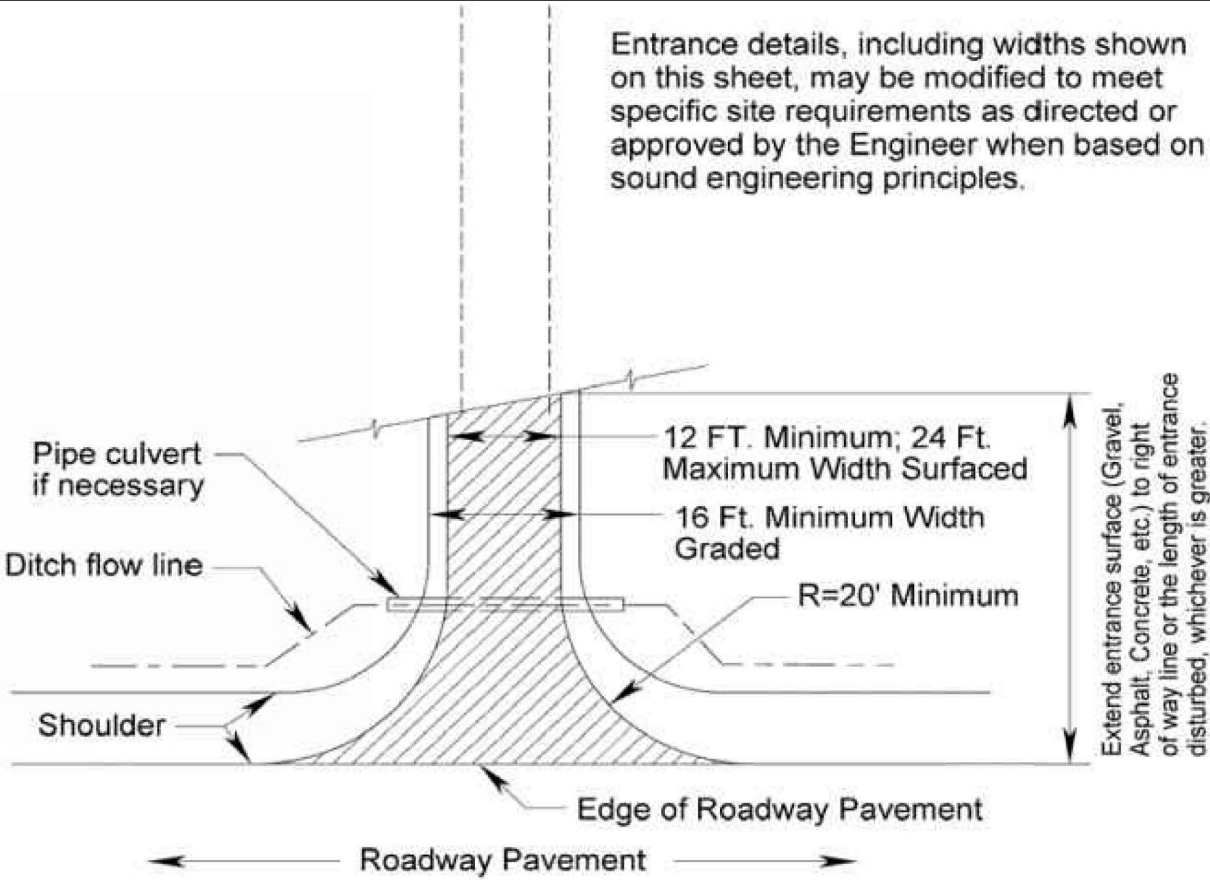
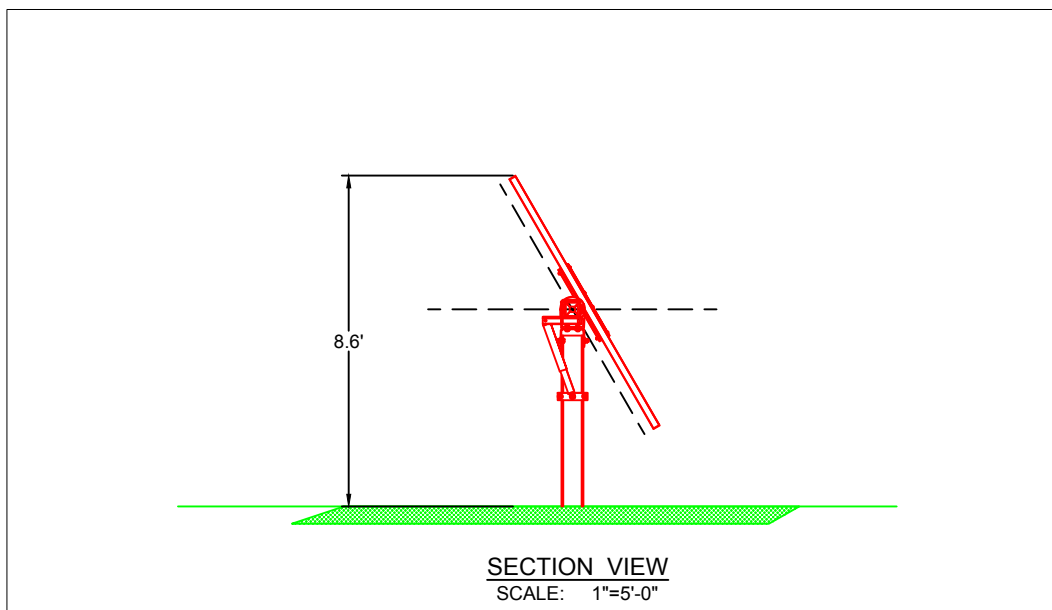
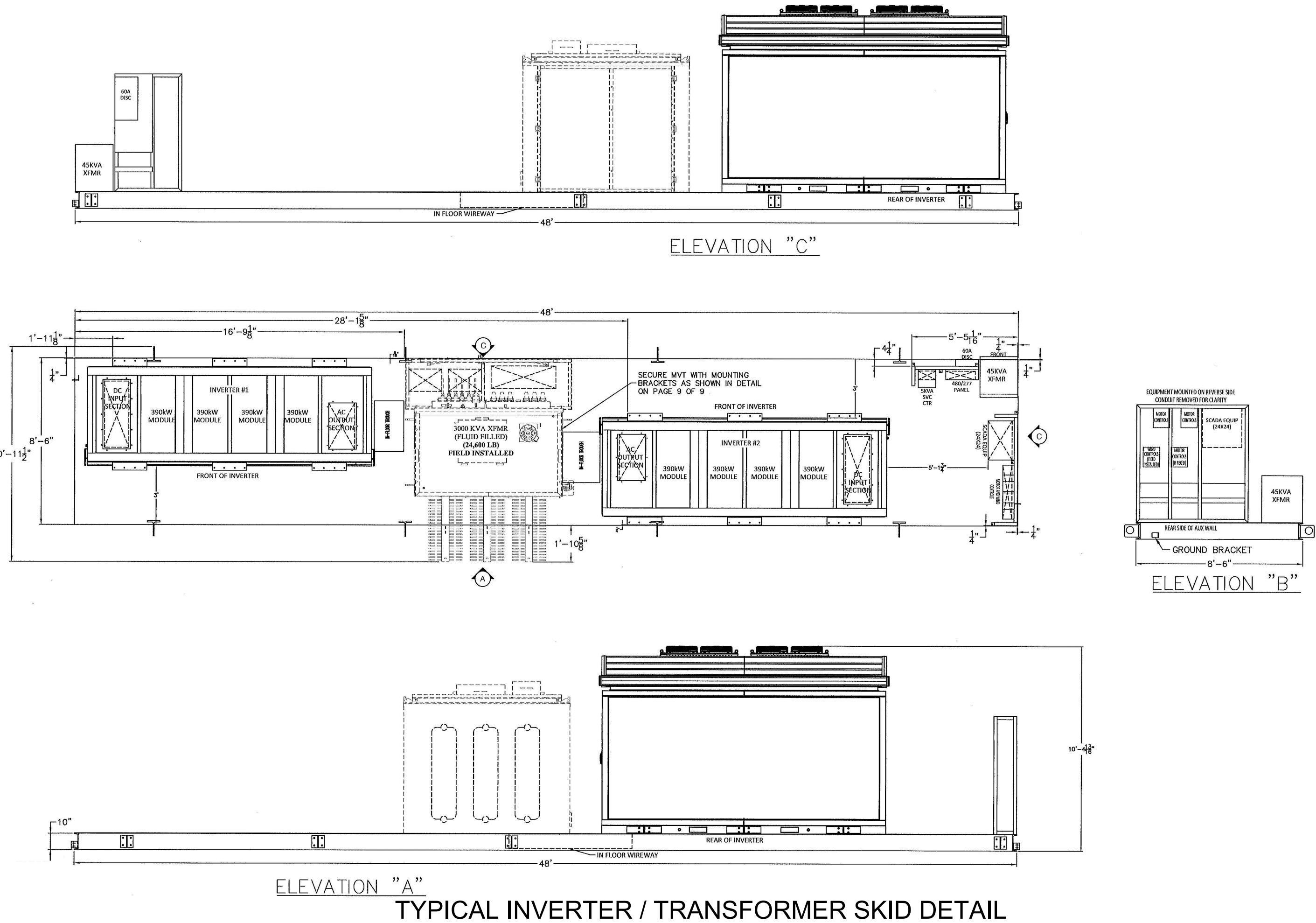


FIGURE 4-1 PRIVATE ENTRANCE AND LOW VOLUME COMMERCIAL ENTRANCE DETAIL

Rev. 7/14



TYPICAL SOLAR ARRAY HEIGHT



KEY PLAN

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DRAWING LOG

NO.	DATE	DESCRIPTION
0	3/28/19	INITIAL LAYOUT
1	1/28/20	REVISED SITE PLAN
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7		
8		

PROJECT NAME: **SPRINGFIELD FARM**

SOLAR, LLC

PV POWER PLANT

IN ASHLAND, VA

CHECKED: **LN**

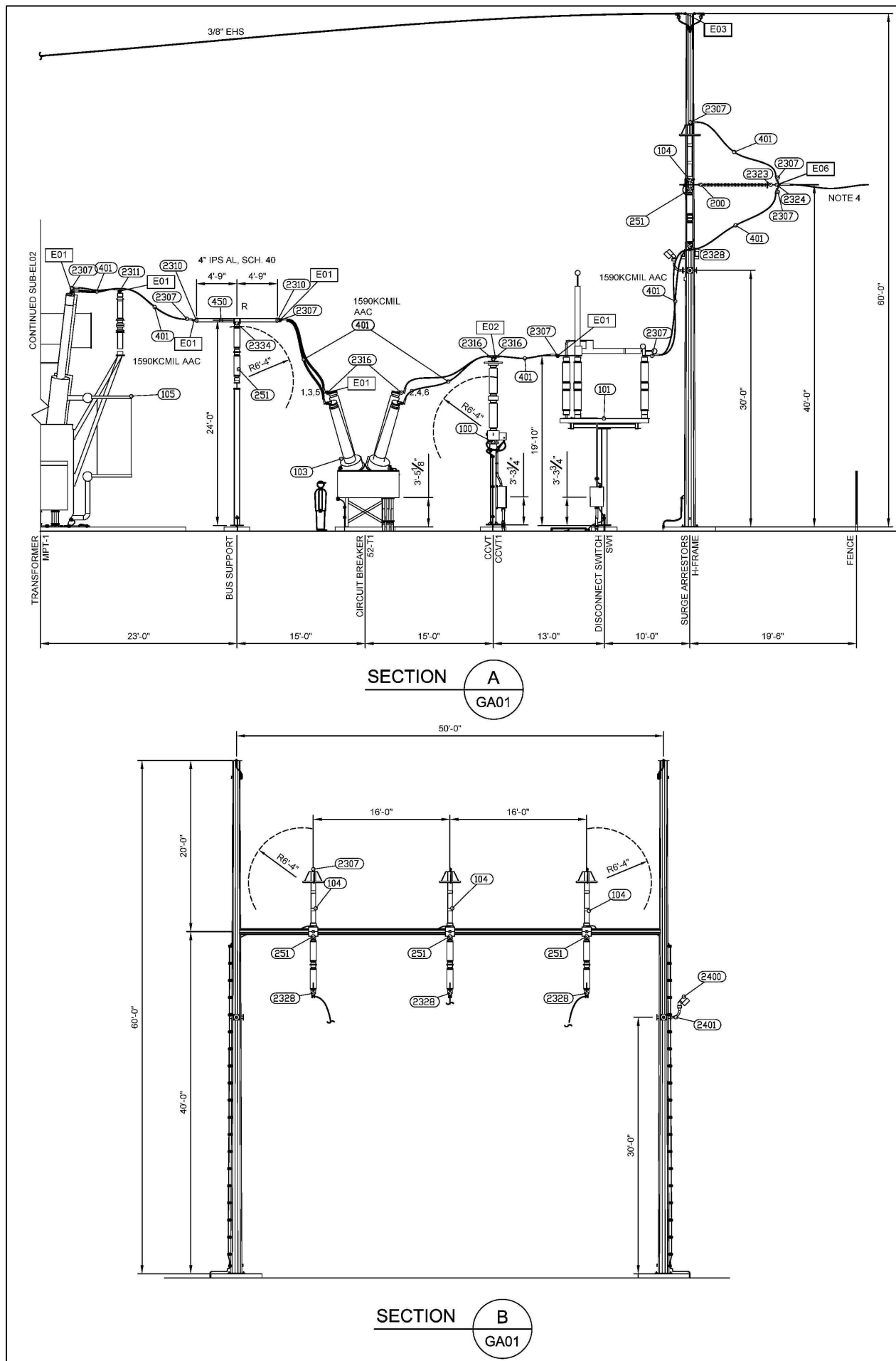
DRAWN: **CJM**

LATEST REVISION: **19 APRIL 2021**

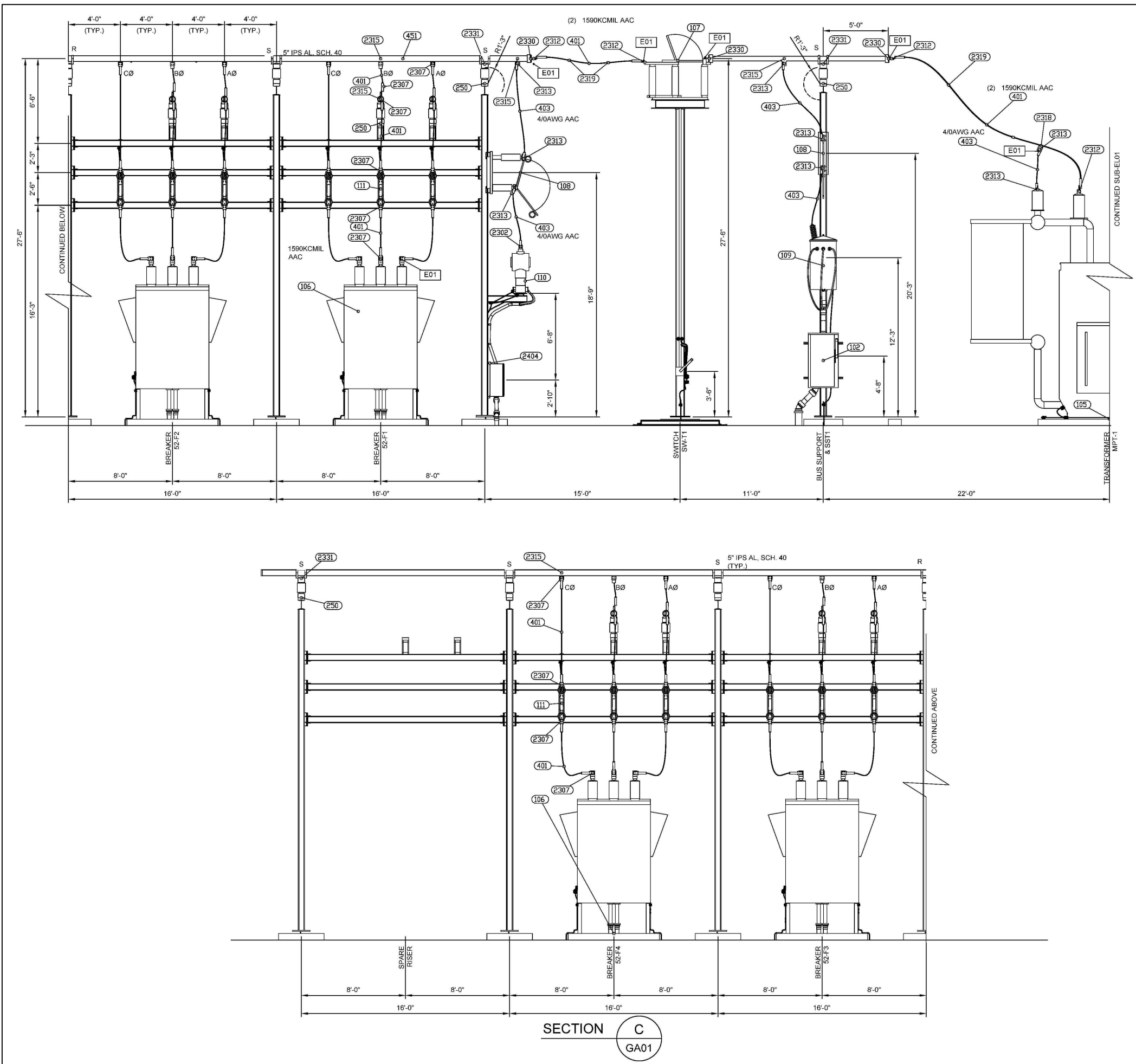
GENERAL DETAILS

SL2.5

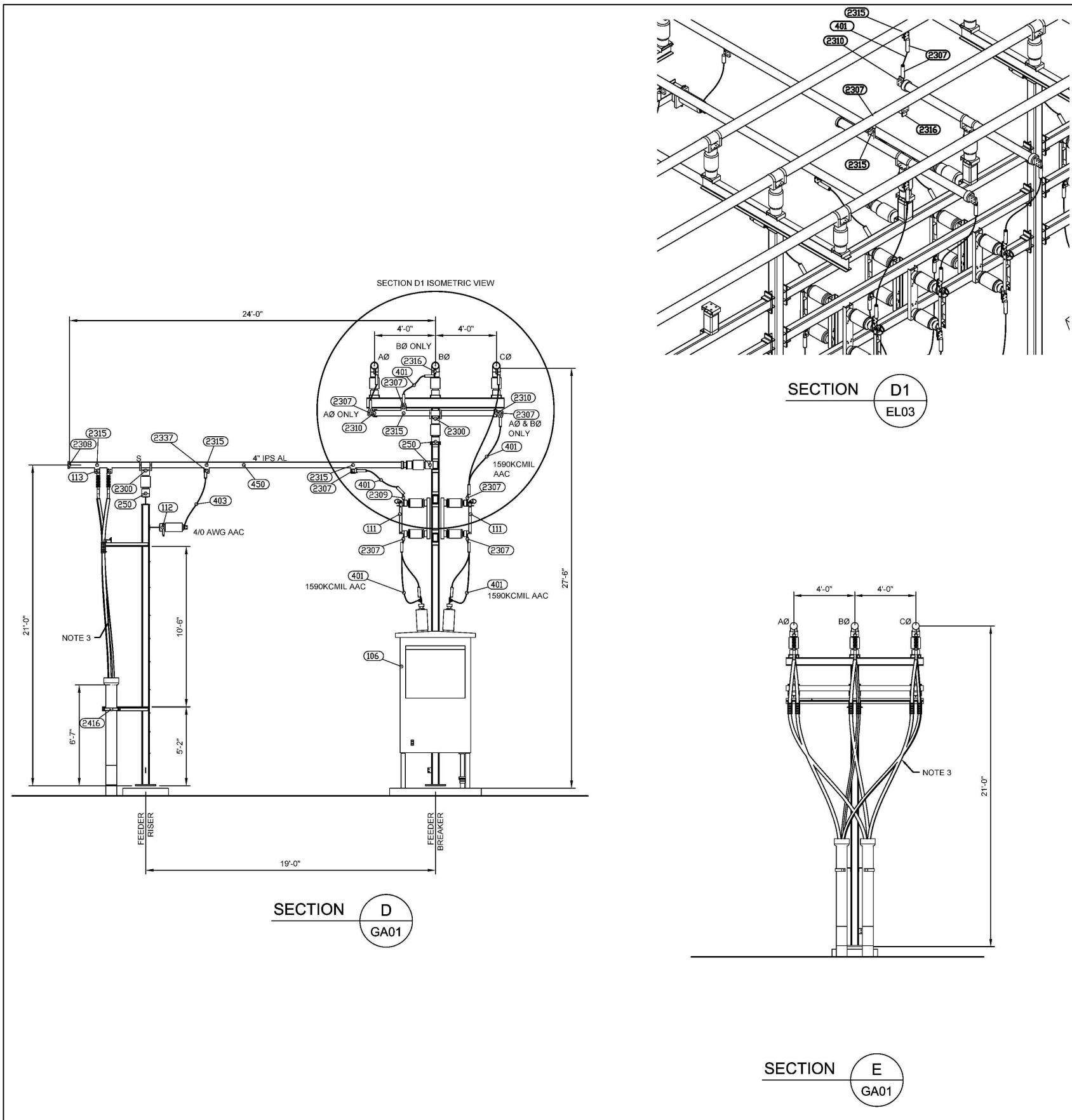
EL01: TYPICAL COLLECTOR SUBSTATION ELEVATIONS



EL02: TYPICAL COLLECTOR SUBSTATION ELEVATIONS

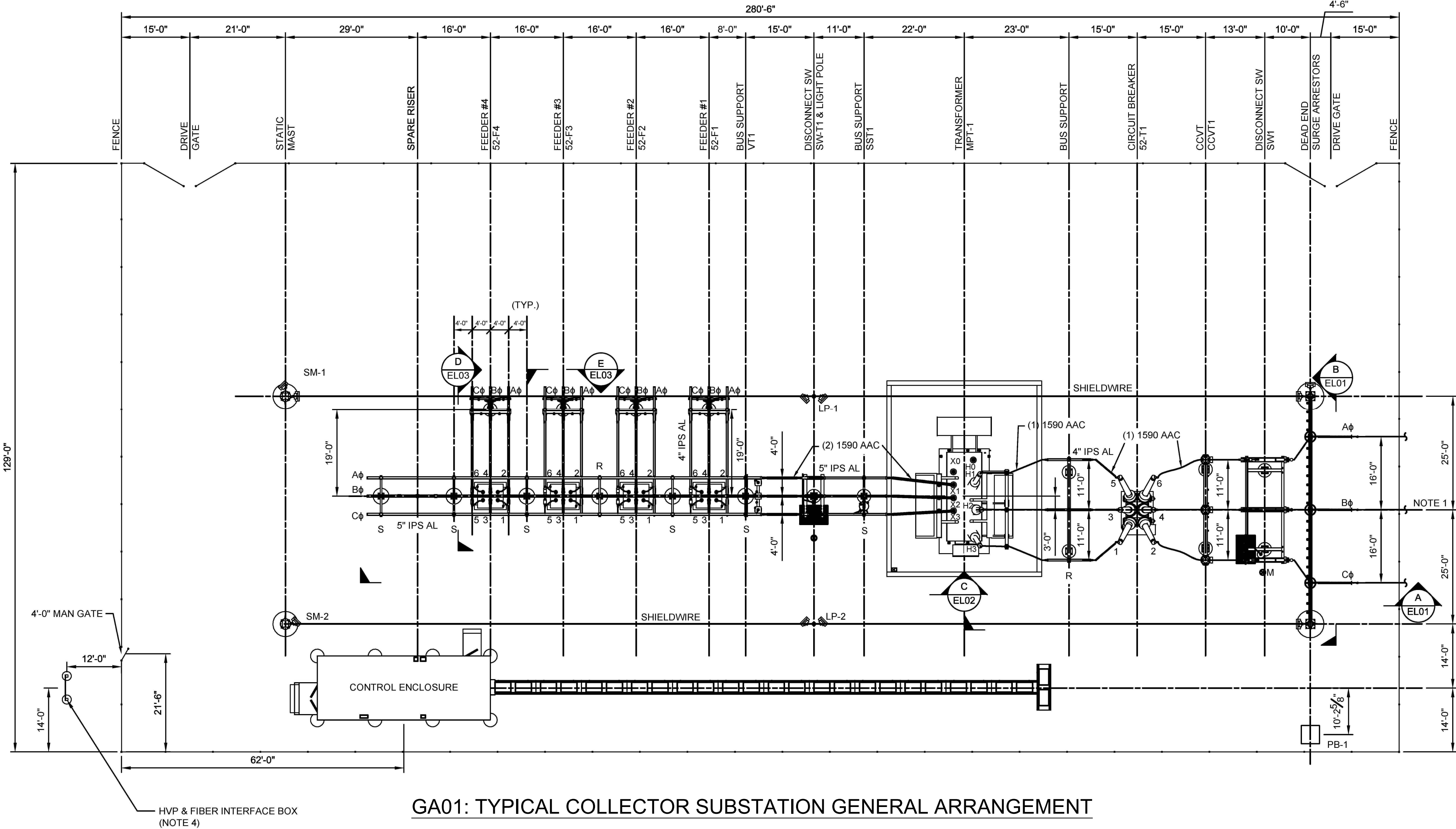


EL03: TYPICAL COLLECTOR SUBSTATION ELEVATIONS



KEY PLAN

SUNENERGY1
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DRAWING LOG

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PROJECT NAME
**SPRINGFIELD FARM
SOLAR, LLC**

DRAWING TITLE
**PV POWER PLANT
IN ASHLAND, VA**

CHECKED
LN

DRAWN
CJM

19 APRIL 2021

SUBSTATION
DETAILS

SL 2.6