



100 Great Meadow Road, Suite 200
 Wethersfield, CT
 860.807.4300

FEMA Cut-Fill Calculations

Project LSE Lynx
Nod Road Solar
 Calculated by TMD
 Checked by SJK

Project # 43509.00
 Date 3/20/2026
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Notes:

Proposed FEMA Line - BFE 161.8
 Refer to Attached Flood Storage Exhibit

Assumptions:

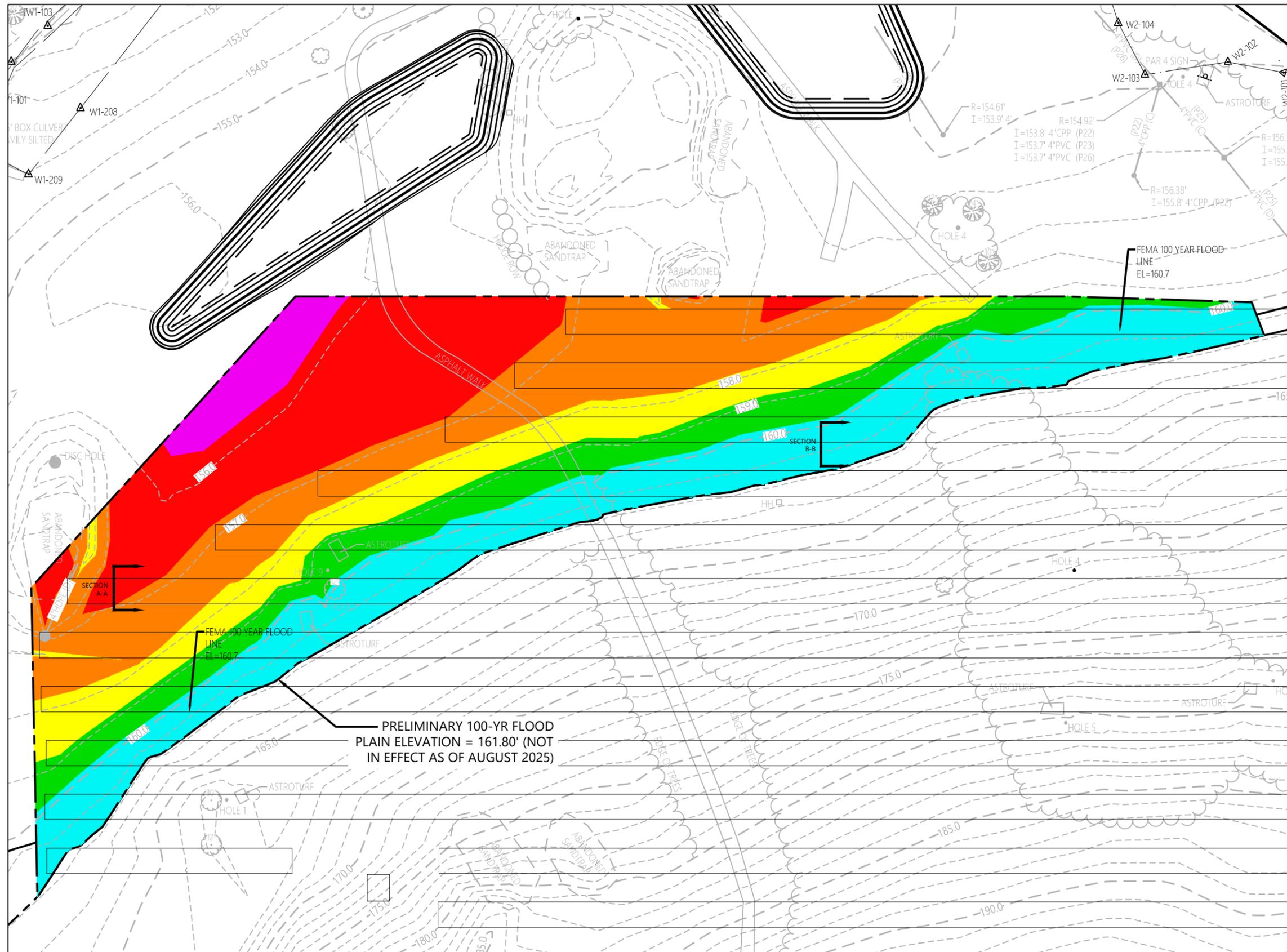
25 degree tilt angle for panels
 45% Ground Coverage Ratio (GCR)
 3x 4" poles up to 2 foot height
 0.12 SY per 600 CF
 2" thickness. 2.5 SF cross section total, 8.4' height AG
 6" inundation on panels = 0.17 CF / 30.63 SF

Areas within Inundation Zones

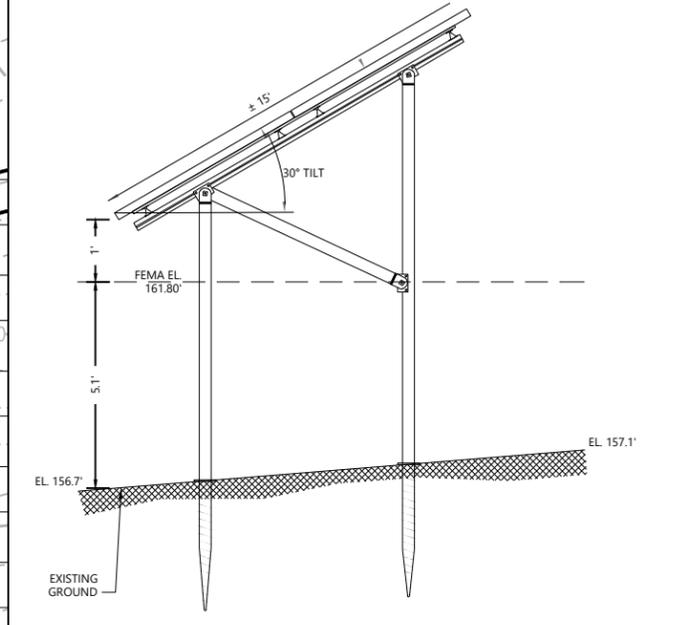
Blue: 0-2 feet	Green: 2-3 feet	Yellow: 3-4 feet	Orange: 4-5 Feet	Red: 5-6 feet	Magenta: 6-7 feet	
10,600	5,500	5,600	8,275	525	0	SF

<u>Volumes</u>				
		CUT, cy	FILL, cy	NET, cy
Basin 2		-1,678	14	-1,664
Basin 3		-1,218	14	-1,204
Support Poles		0	5	5
Panels/Racking		0	14	14
SUM		-2,896	47	-2,849

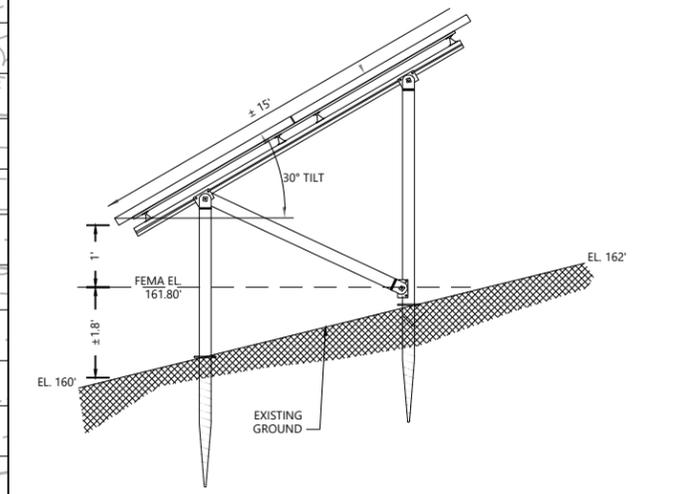
CY



Elevations Table				
Number	Minimum Elevation	Maximum Elevation	Color	Approx. # of Panels
1	-1.722	-0.001	Grey	-
2	-0.001	2.000	Cyan	432
3	2.000	3.000	Green	230
4	3.000	4.000	Yellow	248
5	4.000	5.000	Orange	470
6	5.000	6.000	Red	470
6	6.000	7.050	Magenta	132



SECTION A-A



SECTION B-B

