

Health

RECEIVED

NOV 03 2023

PERMIT NUMBER: B 2 300 4406

DATE ACCEPTED: LICENSES & PERMITS DIVISION

RESIDENTIAL BUILDING PERMIT APPLICATION
 HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES, AND PERMITS
 3430 COURT HOUSE DRIVE, ELLICOTT CITY, MD 21043 - PHONE: (410) 313-2455 OPTION #4
 www.howardcountymd.gov

REQUIRED

Street Address: **7183 brooks rd** Unit: _____
 City: **Highland** State: **MD** Zip Code: **20777**
 Subdivision/Village/Complex Name: **1002** SDP/WP/BA #: _____
 Lot: **3** Tax Map: **0040** Parcel: **0254** Grading Permit #: _____

REQUIRED

Existing Use: **Yard** Proposed Use: **Garage / Storage** Estimated Cost: **\$60,000.00**
 Trade Work to Be Completed (Separate Permits Required): Mechanical (HVACR) Electrical Plumbing None
This is for a future ground mount Solar Array that sits on a hill. Solar to be completed at the end of

REQUIRED

Owner(s) Name(s) (As it appears on tax records): **Matthew W Caudle, Kristina M Caudle** Primary Residence: Yes No
 Owner's Street Address: **7183 Brooks rd**
 City: **Highland** State: **MD** Zip Code: **20777**
 Phone: **(443) 628-7502** Email: **matthew.caudle@tkelevator.com**

REQUIRED - INDIVIDUAL WHO SIGNS THIS APPLICATION

Business Name: _____ Contact Name: **Matt Caudle**
 Street Address: **7183 brooks rd**
 City: **highland** State: **md** Zip Code: **20777**
 Phone: **(443) 628-7502** Email: **matthew.caudle@tkelevator.com**

REQUIRED

Business Name: _____
 Licensee's Name: _____ License #: _____
 Street Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Email: _____

INDIVIDUAL WHO SIGNED PLANS, IF APPLICABLE

Business Name: _____ Name: _____
 Street Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Email: _____

REQUIRED

Primary Structure: SF Dwelling SF Townhouse SF Duplex Mobile Home Multi-Family Dwelling (MF*) Condo: Yes No
 Utilities: Electric Gas Water Supply: Public Private (Well) Sewage Disposal: Public Private (Septic)
 Heating System: Electric Natural Gas Propane Other: _____ Roadside Tree Project: No Yes: # _____
 Sprinkler System: NFPA 13 NFPA 13R NFPA 13D None Fire Alarm System: Yes No Voice Evac

(PLEASE SELECT/COMPLETE ALL THAT APPLY)

Model Name & Options:
 # of Bedrooms (SF): **8** # of efficiency units (MF*): _____ # of 1 BR (MF*): _____ # of 2 BR (MF*): _____ # of 3 BR (MF*): _____
 # Rooms: **8** # Full Baths: **4** # Half Baths: **2** # Fireplaces: **2**
 Garage/Carport Info: Attached Garage Detached Garage Integral Garage Carport None
 Basement/Foundation Info: Slab on Grade Post & Pier Unfinished Basement Finished Basement: Full or Partial
 1st Fl Width: **40** 1st Fl Depth: **30** 2nd Fl Width: **40** 2nd Fl Depth: **20** Bsmt Width: **40** Bsmt Depth: **30**
 Energy Method: Prescriptive Performance UA Alternative ERI Gross Area: **5,500** sq ft Occupiable Area: **4,700** sq ft

REQUIRED

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

 APPLICANT'S ORIGINAL SIGNATURE

 DATE SIGNED

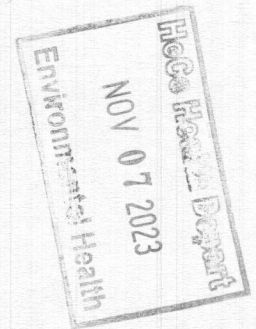
AGENCIES REQUIRED/APPROVALS:

PR _____ DPZ _____ DED _____ Health **10/8/23** SHA CID

SUBMITTAL FEES: _____ PAYMENT: _____ ACCEPTED BY: _____

TABLE OF CONTENTS:

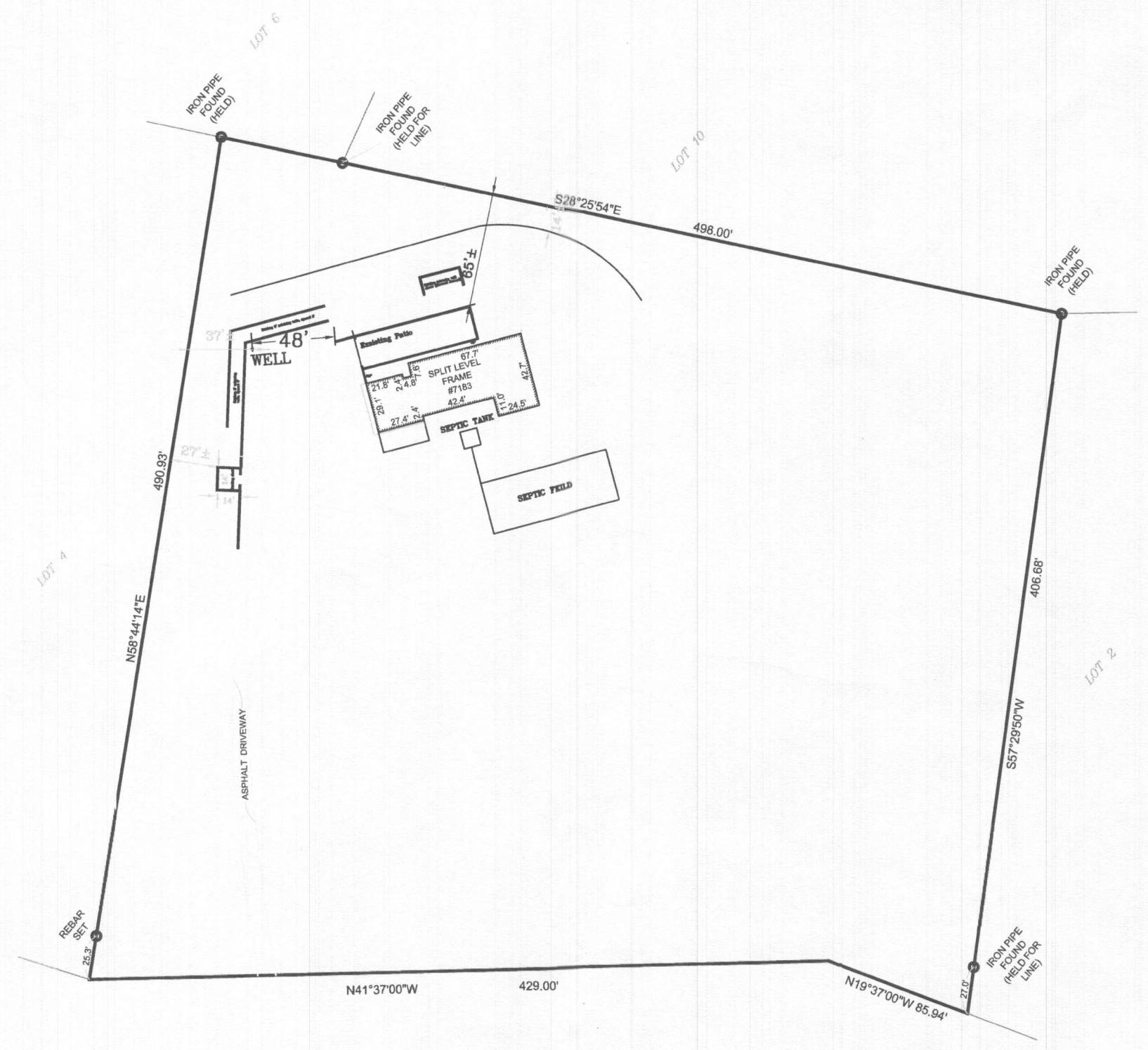
1. Existing Full Lot
2. Existing Close Up
3. Proposed Location With Setbacks
4. Footing Detail
5. Front detail
6. Roof Detail
7. Side Wall Detail
8. Back Wall Detail
9. "Dead Man" Detail
10. Back Wall Grading Detail



Date	Revision	By

Property address:	7183 Brooks rd, Highland, MD 20777	
Map	Grid	Parcel
0040	0010	0254
Sheet	1 of 11 Proposed ground mount location	

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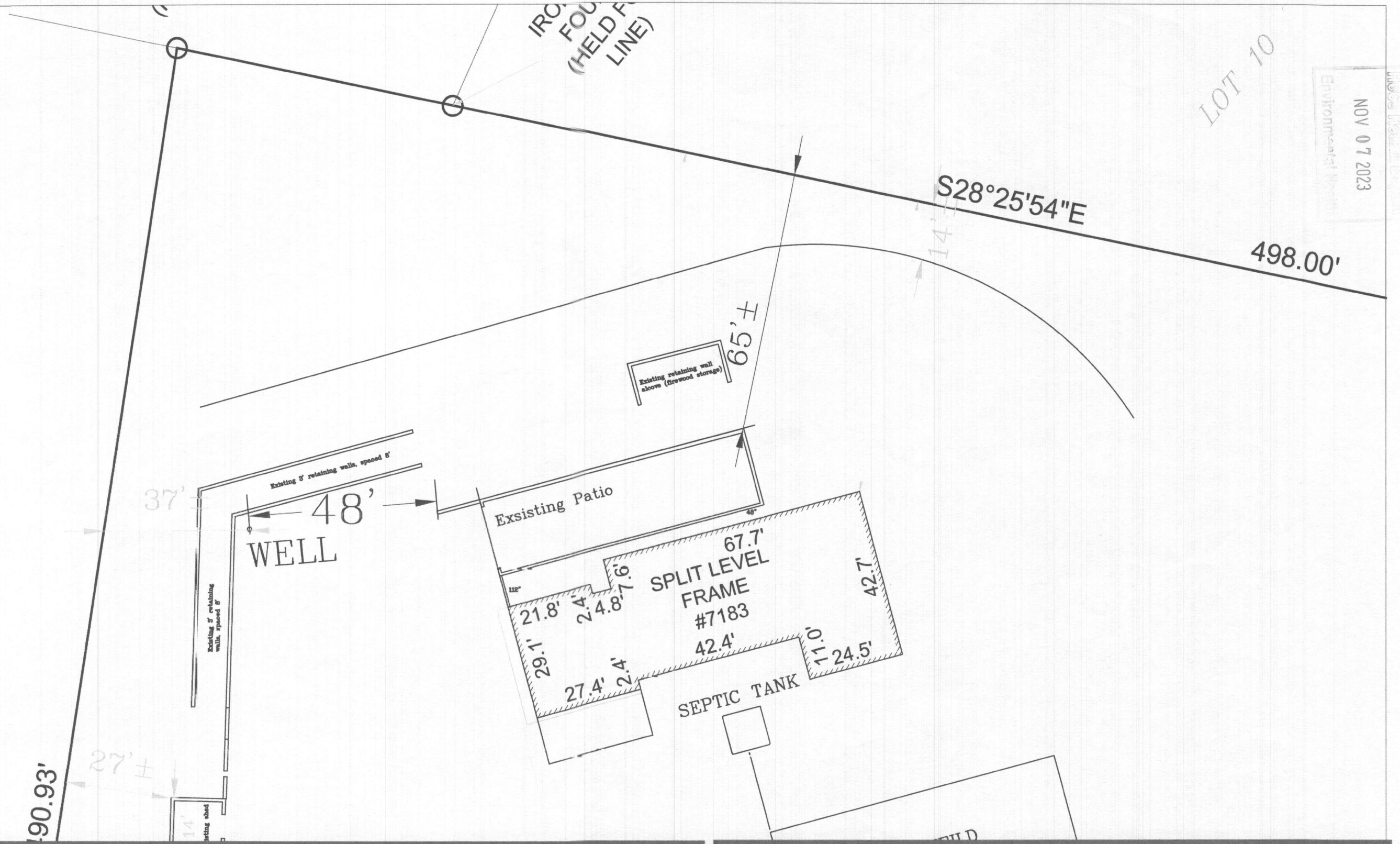


Date	Revision	By

Property address:	7183 Brooks rd, Highland, MD 20777	
Map	Grid	Parcel
0040	0010	0254
Sheet	2 of 11 Full lot	

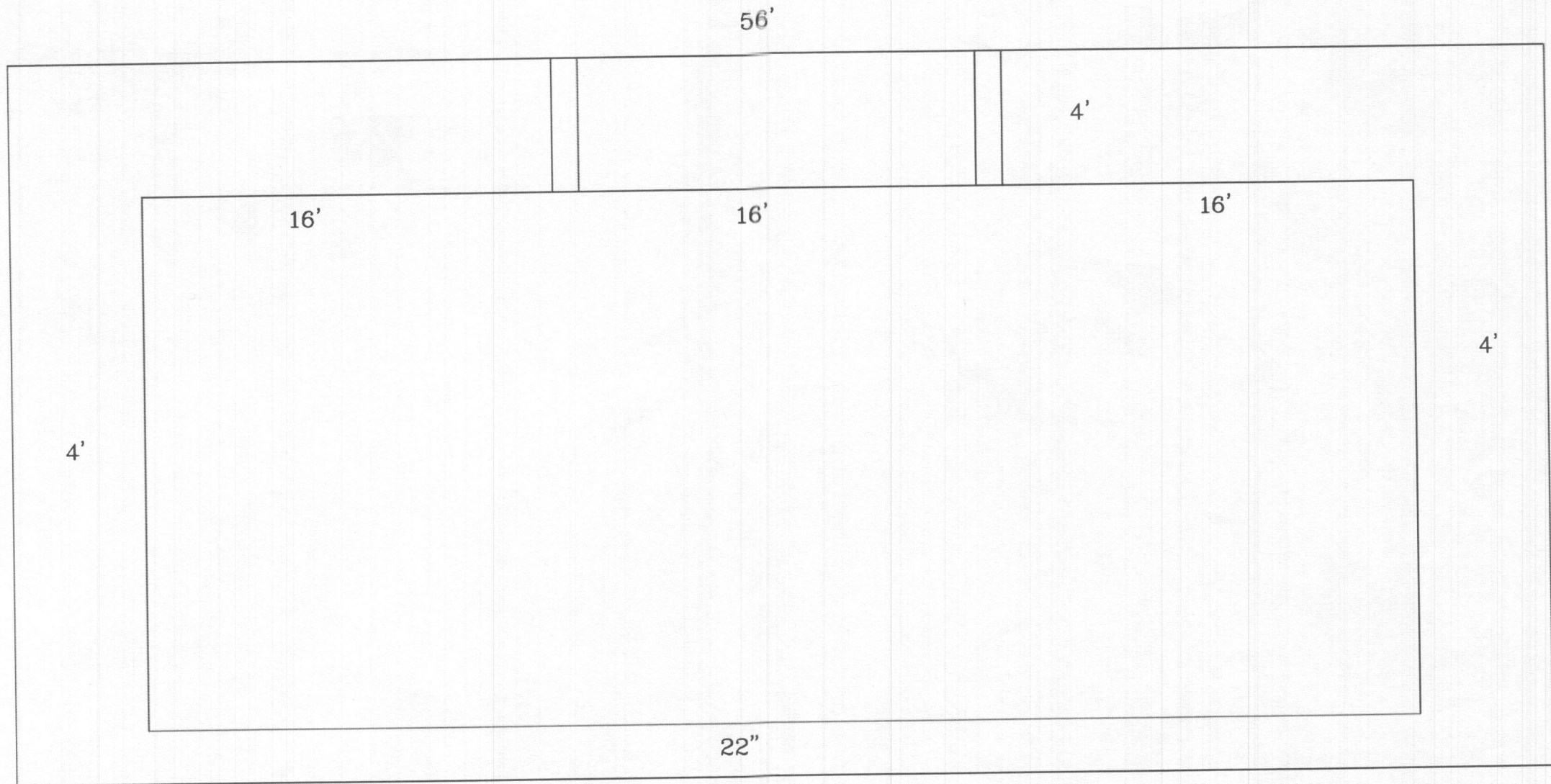
NOV 07 2023
 Environmental Registry

LOT 10

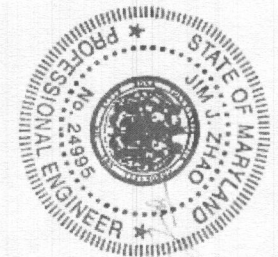


Date	Revision	By

Property address:	7183 Brooks rd, Highland, MD 20777	
Map	Grid	Parcel
0040	0010	0254
Sheet	3 of 11 Existing Close Up	



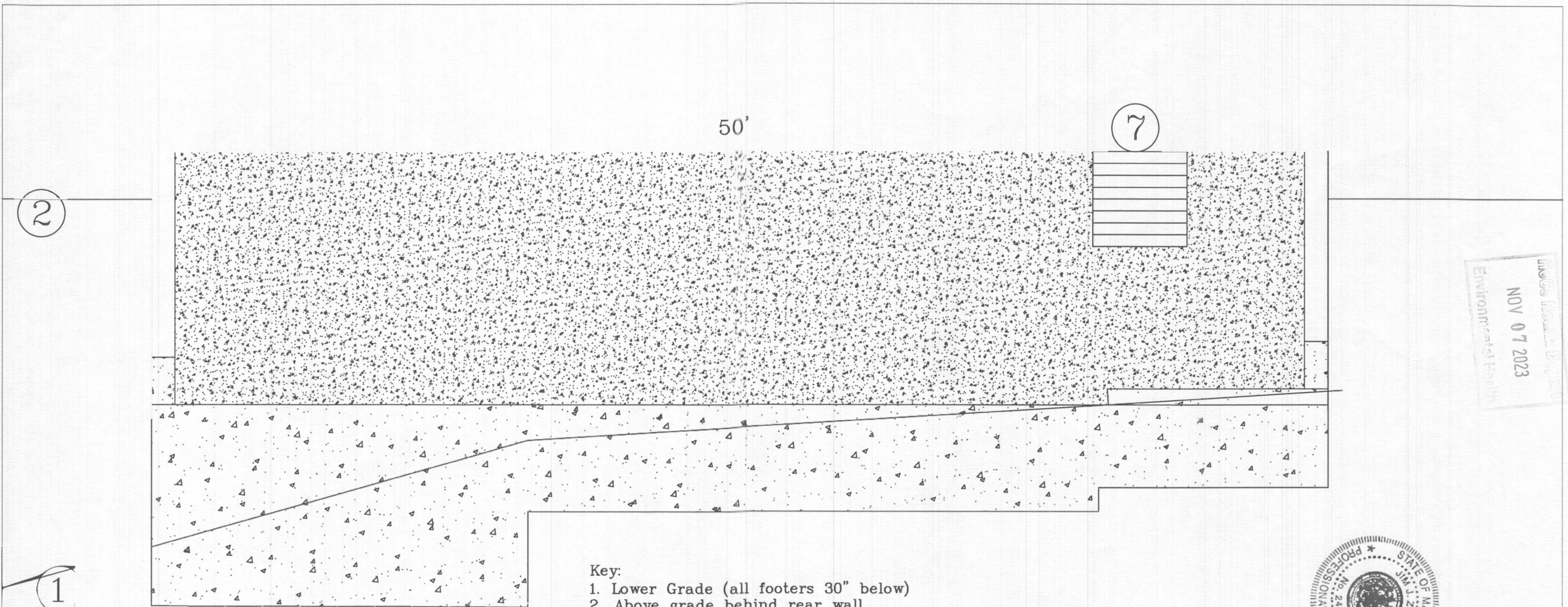
PROFESSIONAL CERTIFICATION:
 I certify that these documents were prepared or approved by me, and that I am a duly Licensed Professional Engineer Under the laws of the State of Maryland, License Number: **24995**
 Expiration Date: **2024-04-20**



- Key:
1. Rear and side footers are 4' wide
 2. Front footer is 22" wide
 3. 2 @ "Dead man" (detail provided) on back wall, 12" thick
 4. All walls are 12" thick
 5. Finished footprint is 50x20'

Date	Revision	By

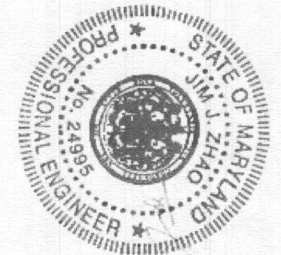
Property address:	7183 Brooks rd, Highland, MD 20777	
Map	Grid	Parcel
0040	0010	0254
Sheet	5 of 11 Solar GM Footing Detail	



Key:

1. Lower Grade (all footers 30" below)
2. Above grade behind rear wall
3. Walls are 12" thick
4. #4 rebar used spaced 16" OC both vertically and horizontally
5. Retaining wall is holding back 0" of dirt on the low side
6. Retaining wall is holding back 96" of dirt on the high side
7. Cutout for future stairs to be filled with wood 6x6s from the back

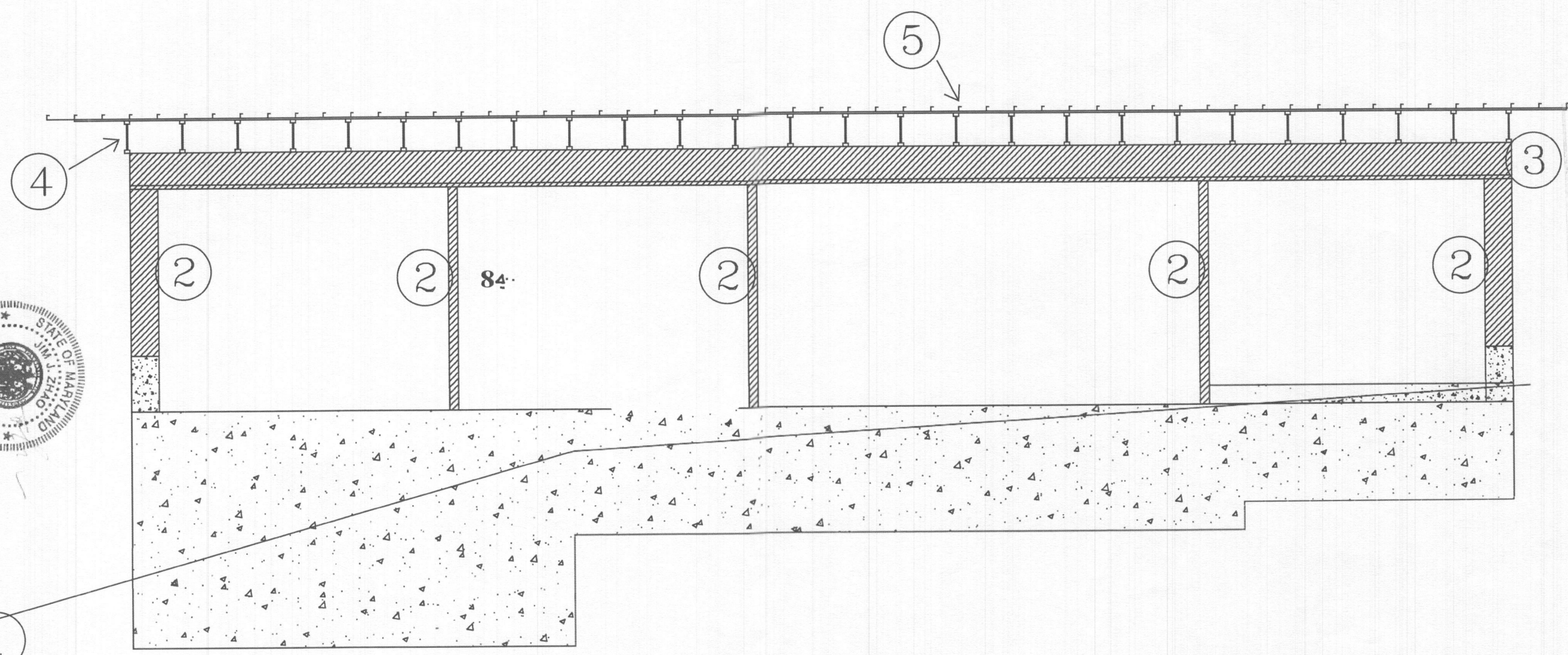
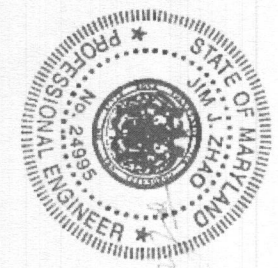
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Date	Revision	By

Property address:	7183 Brooks rd, Highland, MD 20777	
Map	Grid	Parcel
0040	0010	0254
Sheet	6 of 11 Solar GM Front Detail	

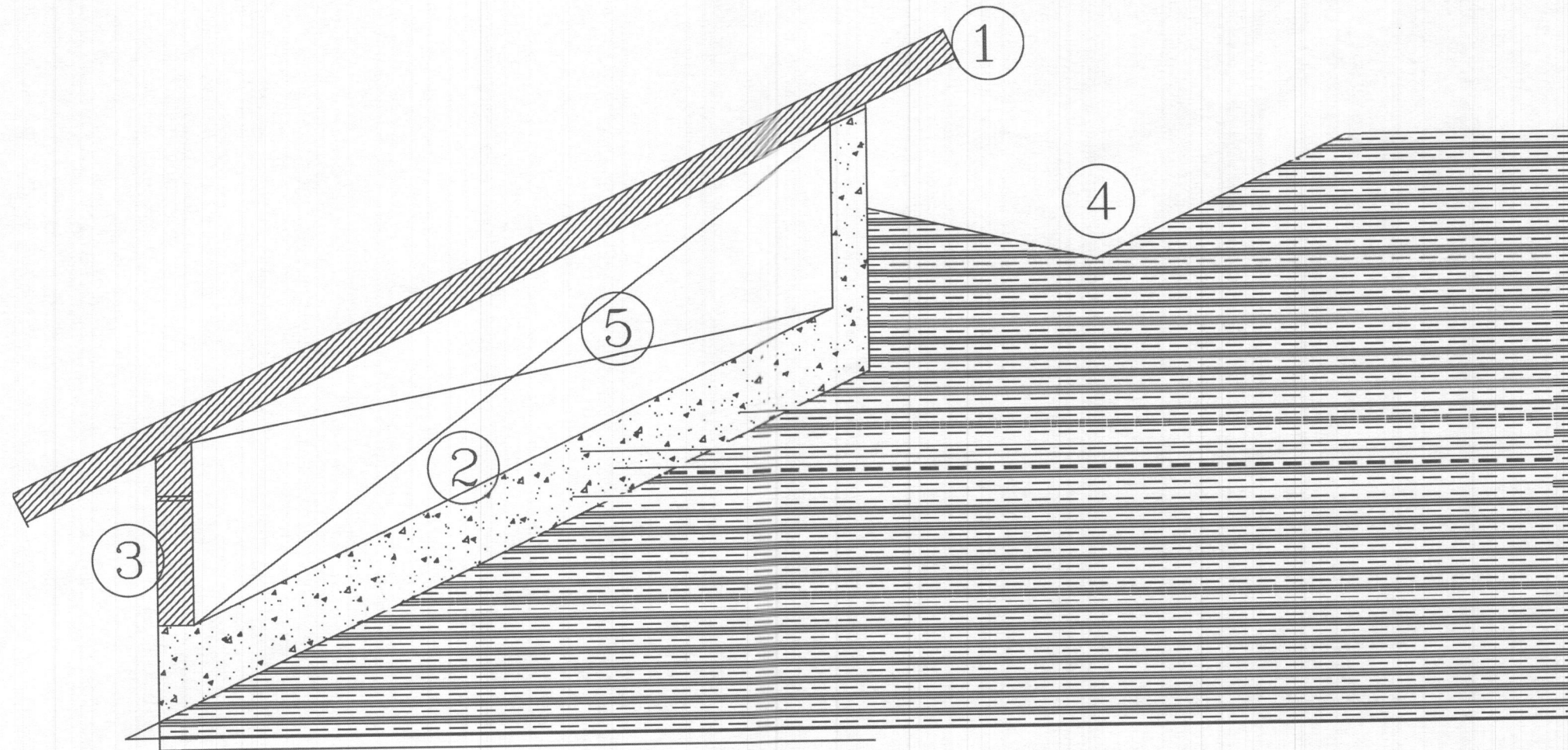
Anne Arundel County
 Department of Health
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- Key:
1. Front Grade
 2. 4x6 posts to support LVL
 3. 3@ 14" continuous LVL. Max Span is 16'
 4. 14" tall engineered I-Joists for roof rafters, spaced 24" OC
 5. Standing seam metal roofing to accept solar rails

Date	Revision	By

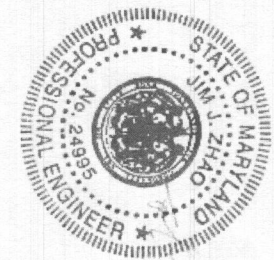
Property address:	7183 Brooks rd, Highland, MD 20777	
Map	Grid	Parcel
0040	0010	0254
Sheet	7 of 11 Solar GM Front Roof Detail	



Hoge Hoge Design
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 Environmental Services

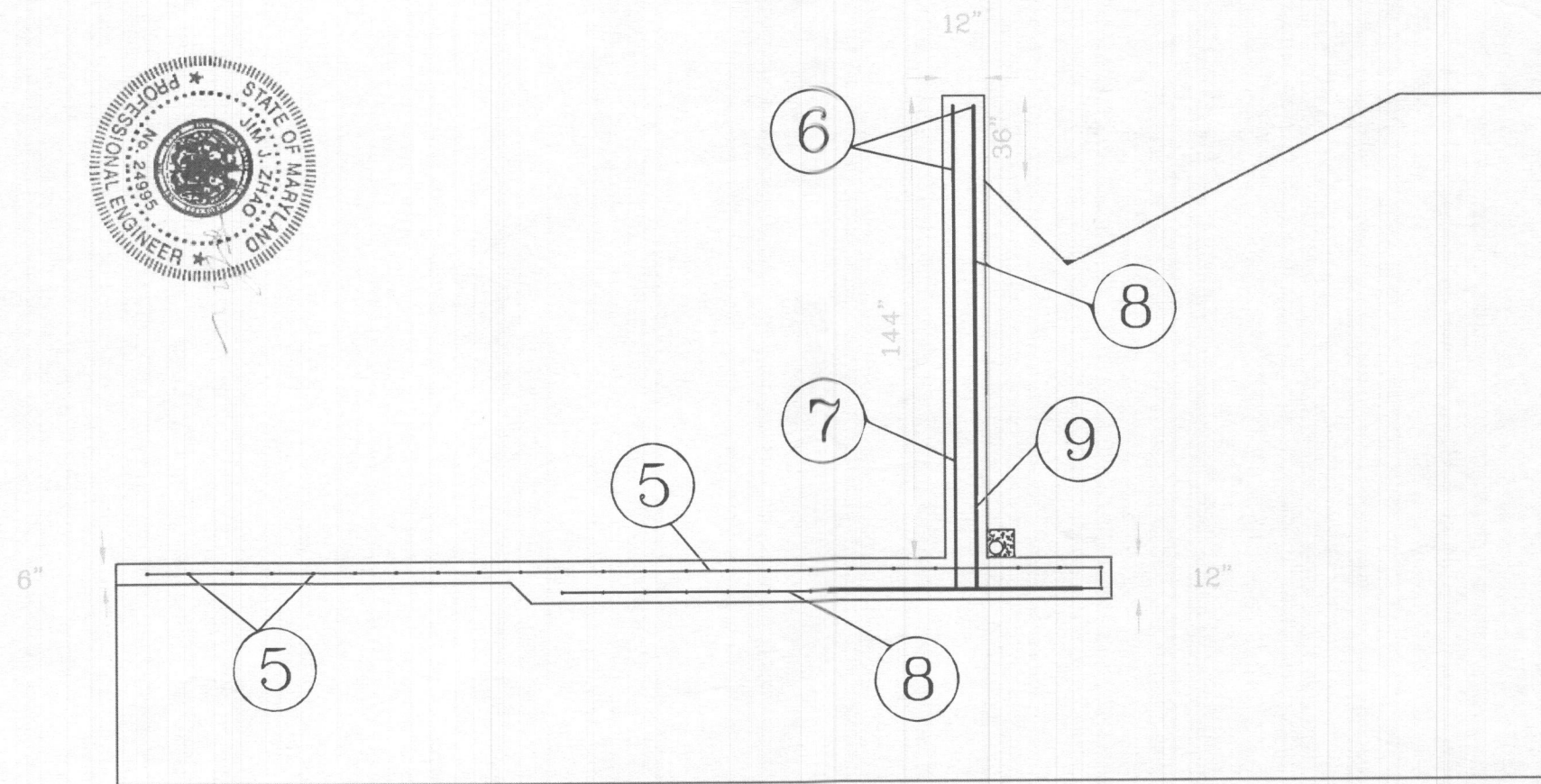
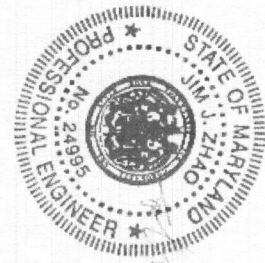
Key:

1. Side view of 14" engineered I-Joist and Standing seam
2. 2' of concrete exposed above grade
3. 3@ treater 4x6 posts to support LVL
4. Swale in grade behind foundation wall
5. 2@ 1/4" steel cable anchored to concrete and wood with turnbuckles to provide lateral support.



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Sheet	8 of 11 Solar GM Side Detail	



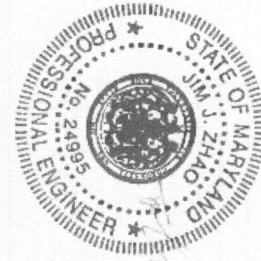
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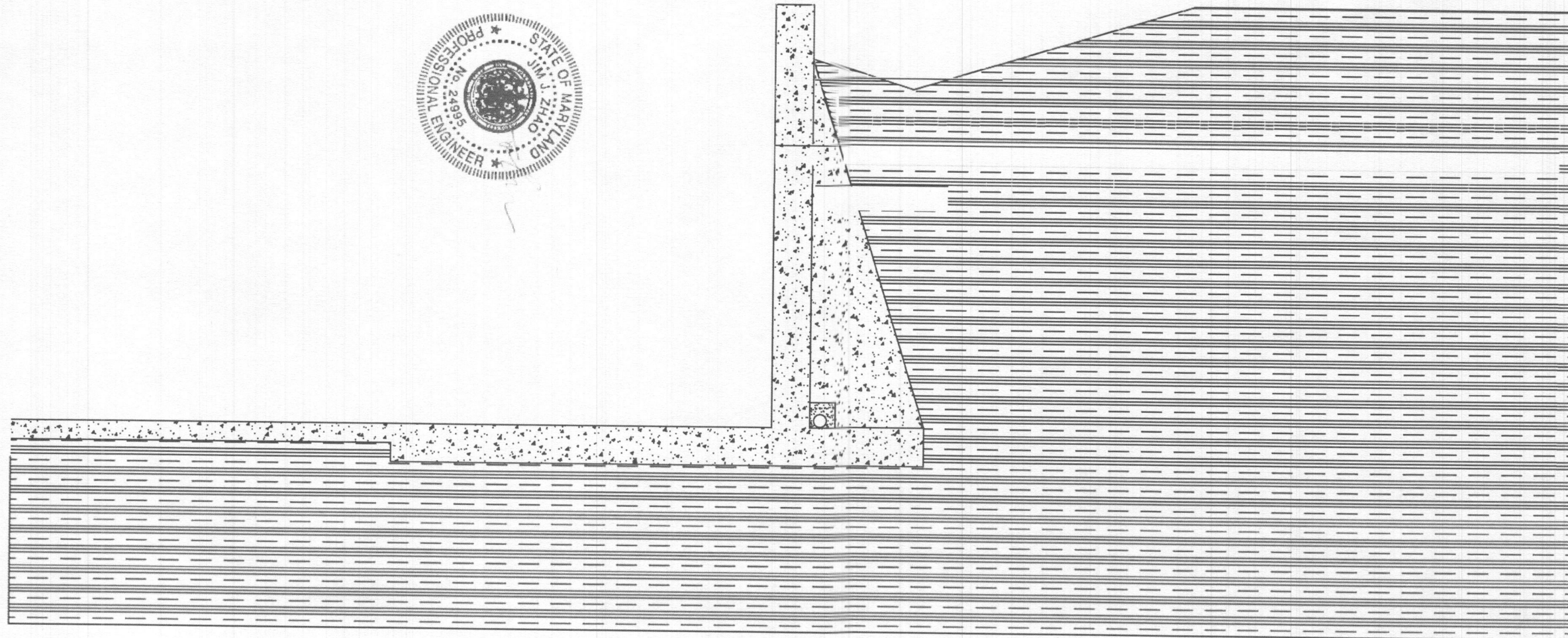
1. Slab and footer single pour
2. Slab is 12" thick for the first 10', then 6" thick for the remainder
3. Slab/Footer extends 30" beyond wall on outside
4. Slab to wall rebar is #6 spaced at 12" OC, with 36" overlap in each direction
5. #4 @ 12"
6. #4 @ 18" (typ)
7. #5 @ 18"
8. #6 @ 12"
9. #6 @ 6"

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Property address:	7183 Brooks rd, Highland, MD 20777	
Map	Grid	Parcel
0040	0010	0254
Sheet	9 of 11 Solar GM back Wall Detail	



InCo Health Care
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 Environmental Health



Key:

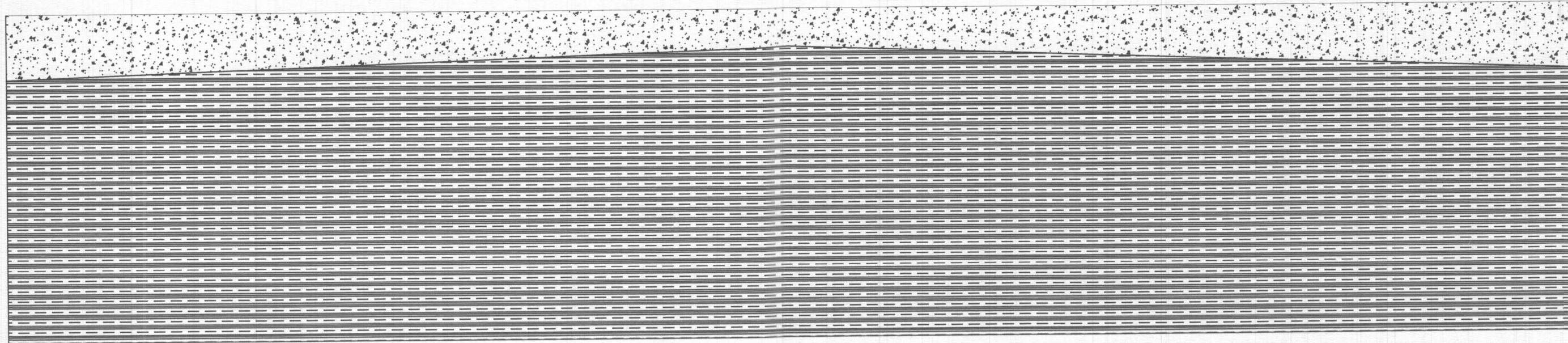
1. "Dead Man" begins at the top of wall where earth is touching
2. "Dead Man" extends to the very edge of the footer at the bottom
3. 8"x8" cutout in bottom corner for drain tile
4. 4" drain tile with gravel backfill behind wall

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Property address:	7183 Brooks rd, Highland, MD 20777	
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Sheet	10 of 11 Solar GM "Dead Man" Detail	

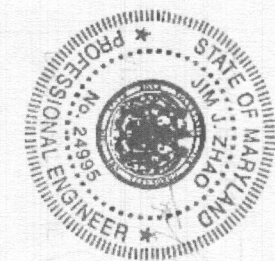
Environmental Health
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50'



Key:

1. Wall extends 24" above grade
2. Grade is 10" higher at the midpoint
3. Grade slopes at 3/8" per foot back to wall ends for drainage



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Property address:	7183 Brooks rd, Highland, MD 20777	
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Sheet	11 of 11 Solar GM Back Wall Grade Detail	