



# Building Permit Application

Howard County Maryland  
 Department of Inspections, Licenses and Permits  
 3430 Court House Drive  
 Permits: 410-313-2455  
 www.howardcountymd.gov

Date Received: \_\_\_\_\_

Permit No.: **B14000898**

Building Address: **6700 Guilford RD**  
 City: **11825VLD** State: **MD** Zip Code: **21029**  
 Suite/Apt. #: \_\_\_\_\_ SDP/WP/BA #: \_\_\_\_\_  
 Census Tract: \_\_\_\_\_ Subdivision: \_\_\_\_\_  
 Section: \_\_\_\_\_ Area: \_\_\_\_\_ Lot: \_\_\_\_\_  
 Tax Map: \_\_\_\_\_ Parcel: \_\_\_\_\_ Grid: \_\_\_\_\_  
 Zoning: \_\_\_\_\_ Map Coordinates: \_\_\_\_\_ Lot Size: \_\_\_\_\_

Existing Use: **Residential**  
 Proposed Use: **Residential**  
 Estimated Construction Cost: \$ **75,000**  
 Description of Work: **100' Ground mount solar modules**  
 Occupant or Tenant: \_\_\_\_\_  
 Was tenant space previously occupied?  Yes  No  
 Contact Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Property Owner's Name: **Marc Robinson**  
 Address: **6700 Guilford RD**  
 City: **11825VLD** State: **MD** Zip Code: **21029**  
 Phone: **301 452-2174** Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

**Applicant's Name & Mailing Address, (If other than stated herein)**  
 Applicant's Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Contractor Company: **Sustainable Energy Systems**  
 Contact Person: **Robert H. H. H.**  
 Address: **20 Fox Run**  
 City: **11825VLD** State: **MD** Zip Code: **21029**  
 License No.: **126665**  
 Phone: **301 782 4103** Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Engineer/Architect Company: \_\_\_\_\_  
 Responsible Design Prof.: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Commercial Building Characteristics	Residential Building Characteristics	
Height:	<input type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse	
No. of stories:	<b>Depth</b>	<b>Width</b>
Gross area, sq. ft./floor:	1 <sup>st</sup> floor:	
	2 <sup>nd</sup> floor:	
Area of construction (sq. ft.):	Basement:	
	<input type="checkbox"/> Finished Basement	
Use group:	<input type="checkbox"/> Unfinished Basement	
	<input type="checkbox"/> Crawl Space	
<b>Construction type:</b>	<input type="checkbox"/> Slab on Grade	
<input type="checkbox"/> Reinforced Concrete	No. of Bedrooms:	
<input type="checkbox"/> Structural Steel	<b>Multi-family Dwelling</b>	
<input type="checkbox"/> Masonry	No. of efficiency units:	
<input type="checkbox"/> Wood Frame	No. of 1 BR units:	
<input type="checkbox"/> State Certified Modular	No. of 2 BR units:	
	No. of 3 BR units:	
	Other Structure:	
	Dimensions:	
<input checked="" type="checkbox"/> <b>Roadside Tree Project Permit</b>	Footings:	
<input type="checkbox"/> Yes <input type="checkbox"/> No	Roof:	
<b>Roadside Tree Project Permit #</b>	<input type="checkbox"/> State Certified Modular	
	<input type="checkbox"/> Manufactured Home	

Utilities	
<b>Water Supply</b>	
<input checked="" type="checkbox"/> Public	
<input type="checkbox"/> Private	
<b>Sewage Disposal</b>	
<input checked="" type="checkbox"/> Public	
<input type="checkbox"/> Private	
Electric: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Gas: <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Heating System</b>	
<input type="checkbox"/> Electric <input type="checkbox"/> Oil	
<input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas	
<input type="checkbox"/> Other:	
<b>Sprinkler System:</b>	
<input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Grading Permit Number:</b>	
<b>Building Shell Permit Number:</b>	

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 Signature** \_\_\_\_\_ **Print Name** \_\_\_\_\_  
 \_\_\_\_\_ **Date** **3-27-14**  
**Email Address** \_\_\_\_\_  
**Title/Company** **PARTNER / SES**

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY  
 \*\*PLEASE WRITE NEATLY & LEGIBLY\*\*  
 -FOR OFFICE USE ONLY-

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA ( Zoning )		
PSZA ( Engineering )		
Health	<b>4/24/14</b>	<i>Andrew J. ...</i>

Is Sediment Control approval required for issuance?  Yes  No  
 CONTINGENCY CONSTRUCTION START

DPZ SETBACK INFORMATION
Front:
Rear:
Side:
Side St.:
All minimum setbacks met? <input type="checkbox"/> Yes <input type="checkbox"/> No
Is Entrance Permit Required? <input type="checkbox"/> Yes <input type="checkbox"/> No
Historic District? <input type="checkbox"/> Yes <input type="checkbox"/> No
Lot Coverage for New Town Zone:
SDP/Red-line approval date:

Filing Fee	\$
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$ <b>55</b>
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$
Sub-Total Paid	\$
Balance Due	\$
Check	#

Distribution of Copies: White: Building Officials Green: PSZA,Zoning Yellow: PSZA,Engineering Pink: Health Gold: SHA

THIS PLAT CAN NOT BE USED TO ESTABLISH PROPERTY LINES OR CORNERS.

MARYLAND RT. 32

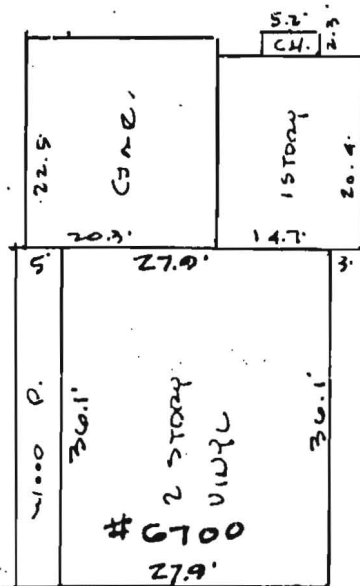
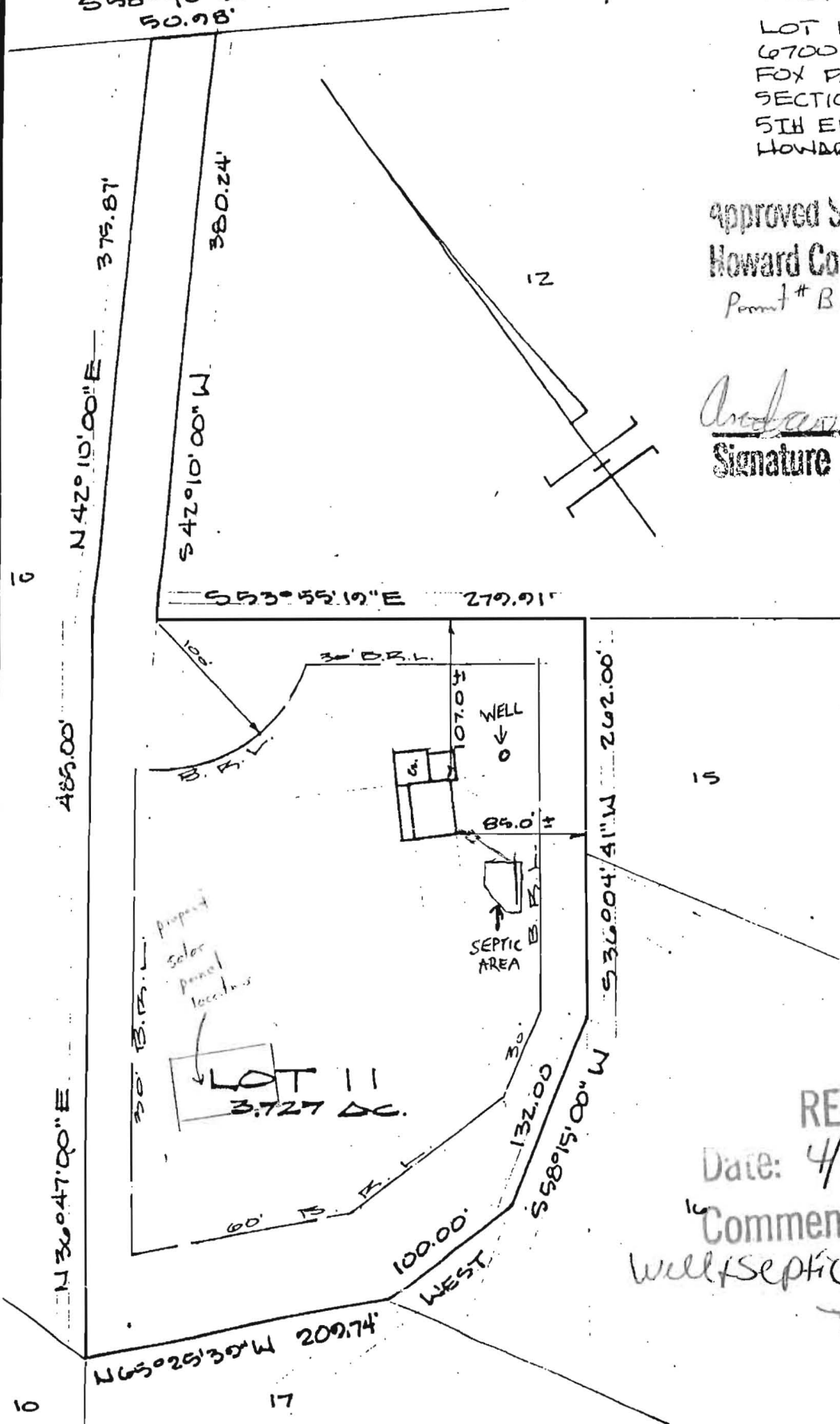
S 58° 48' 30" E  
50.98'

PROPERTY KNOWN AS:

LOT 11  
6700 MD ROUTE 32  
FOX PAUSE  
SECTION 2, LOTS 10-19  
5TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

Approved Sept. System Plan  
Howard County Health Department  
Permit # B14000898

*Andrew Hunt* 4/24/14  
Signature Date



REVISED  
Date: 4/21/14  
Comments: B14000898  
Well/septic location per Health Dept

LOCATION SURVEY PLAT

5-2-1987

CERTIFICATION

This is to certify that I have surveyed the property known as: LOT 11  
6700 MD ROUTE 32

for the purpose of locating the improvements thereon, and the improvements are located as shown.

SEAL



*Walter Park*

SCALE 1"=100' DATE

PHONE  
828-9060 TOWSON  
730-9060 COLUMBIA

HUDKINS ASSOCIATES, INC.  
Surveyors and Subdivision Designers

SUITE 231, JOSEPH SQUARE  
5485 HARPER'S FARM ROAD  
WALTER PARK, L.S. COLUMBIA, MARYLAND 21044  
# 5539

# PHOTOVOLTAIC SYSTEM

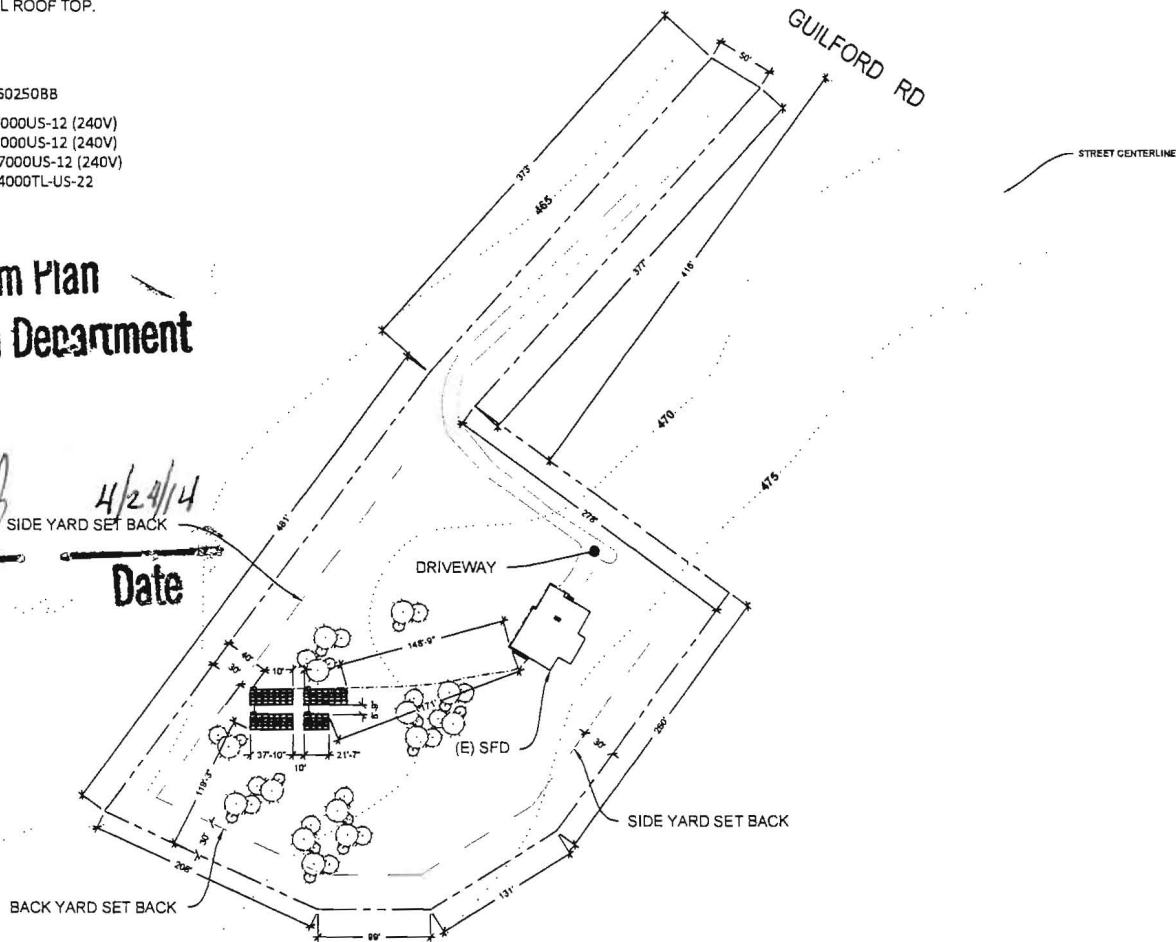
SCOPE OF WORK:  
 INSTALLATION OF A SAFE AND CODE-COMPLIANT GRID-TIED SOLAR  
 PV SYSTEM ON AN EXISTING RESIDENTIAL ROOF TOP.

SYSTEM SIZE:  
 AC / DC KW STC: 21.64 kW / 25 kW

EQUIPMENT:  
 PV MODULES: (100) ET SOLAR ET-P6602508B  
 INVERTER(S): (1) SMA AMERICA SB7000US-12 (240V)  
 (1) SMA AMERICA SB7000US-12 (240V)  
 (1) SMA AMERICA SB7000US-12 (240V)  
 (1) SMA AMERICA SB4000TL-US-22  
 (240V)

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 Howard County Health Department  
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*Andrew Heist*  
 Signature  
 4/24/14  
 Date  
 SIDE YARD SET BACK



SITE PLAN  
 SCALE: - N.T.S.



REFER TO PLAN NOTES  
 PAGE PV1.0 - SECTION N1-N11

## SHEET INDEX

PV0.0	COVER AND SITE PLAN
PV1.0	GENERAL NOTES
PV2.0	ARRAY LAYOUT
PV2.1	ARRAY SECTION 1
PV2.2	ARRAY SECTION
PV3.0	LINE DIAGRAM
PV4.0	CALCULATIONS
PV6.0	LABELS

KEY:			
	PROPERTY LINE		SUBPANEL
	CONDUIT RUN		DC DISCONNECT
	DRIVEWAY		AC DISCONNECT
	SOLAR MODULE		JUNCTION BOX
	MAIN SERVICE PANEL		MONITORING UNIT
	UTILITY METER		COMBINER BOX
	PV METER		ROOF OBSTRUCTION
	INVERTER		

## APPLICABLE CODES:

THE INSTALLATION OF SOLAR ARRAYS  
 AND PV POWER SYSTEMS SHALL BE IN  
 ACCORDANCE WITH THE MOST RECENT  
 NATIONAL ELECTRICAL CODE AS WELL AS  
 ANY BUILDING STANDARDS,  
 AS AMENDED BY HOWARD COUNTY OF

## CONTRACTOR INFORMATION:

SUSTAINABLE ENERGY SYSTEMS, LLC  
 108 W. 14TH ST.  
 FREDERICK, MD 21701  
 PHONE: (301) 788-4003

## JURISDICTIONAL INFORMATION:

JURISDICTION: HOWARD COUNTY OF  
 ADDRESS: 3430 COURTHOUSE DR.  
 ELLICOTT, MD 21043  
 PHONE NUMBER: (410) 313-2455

## NOTES TO INSTALLER

ARRAY TO BOS (DC): FROM DC-DISCONNECTS UNDER EACH ARRAY  
 INTO TRENCH AND TOWARDS B.O.C. LOCATION.  
 BOS TO PDC (AC): FROM INVERTERS TO (N) MIN 200A DEDICATED PV  
 SUB-PANEL THEN TO AC DISCONNECT THEN TO (E) MSP.  
 MONITORING RUN: LGATE 120.  
 ADDITIONAL NOTES: INSTALL SUPPLY SIDE CONNECTION USING  
 POLARIS BLOCK ON FEEDERS COMING FROM METER. USE DC  
 DISCONNECT EATON DCXD21UPM3 AVAILABLE FROM WESCO.  
 LOCATE AND AVOID UNDERGROUND UTILITIES.

## FOR INSTALLER USE ONLY

POST INSTALL SURVEY REQUIRED? YES  NO   
 CERTIFY THAT NO CHANGES HAVE  
 BEEN MADE TO THE ARRAY LAYOUT:

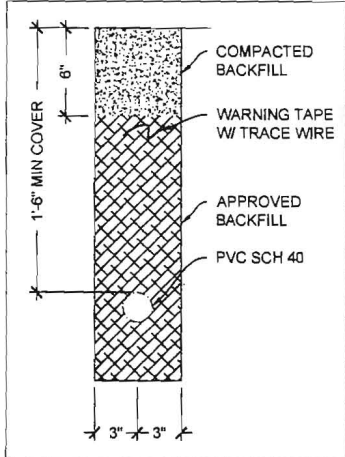
## CUSTOMER NAME:

Marc Robinson / Robinson - 787919  
 6700 Guilford Road  
 Clarksville, MD 21029

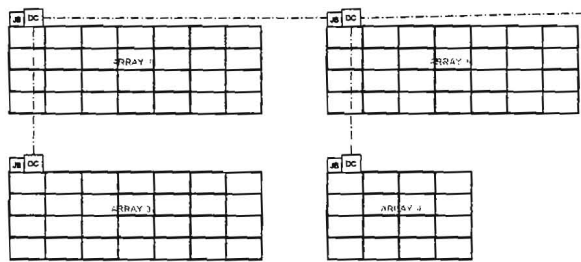
AC / DC KW STC: 21.64 kW / 25 kW

DESIGNED BY: AN  
 REV # 0  
 PV0.0





**T TRENCH DETAIL**  
SCALE: 1-1/2" = 1'-0"



- 18 IN. DEEP
- CONDUIT: 1 IN. SCH 40 PVC WITH WARNING RIBBON 6 IN BELOW GRADE
- 0.5% VOLTAGE DROP

TRENCH ~ 200'

**KEY:**

---	PROPERTY LINE	☐	SUBPANEL
---	CONDUIT RUN	⊗	DC DISCONNECT
---	DRIVEWAY	⊗	AC DISCONNECT
☐	SOLAR MODULE	☐	JUNCTION BOX
☐	MAIN SERVICE PANEL	☐	MONITORING UNIT
☐	UTILITY METER	☐	COMBINER BOX
☐	PV METER	☐	ROOF OBSTRUCTION
☐	INVERTER		

**1 SITE PLAN DETAIL**  
SCALE: N.T.S.



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50.98'

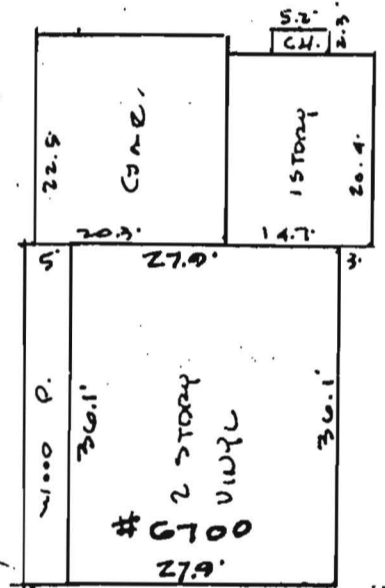
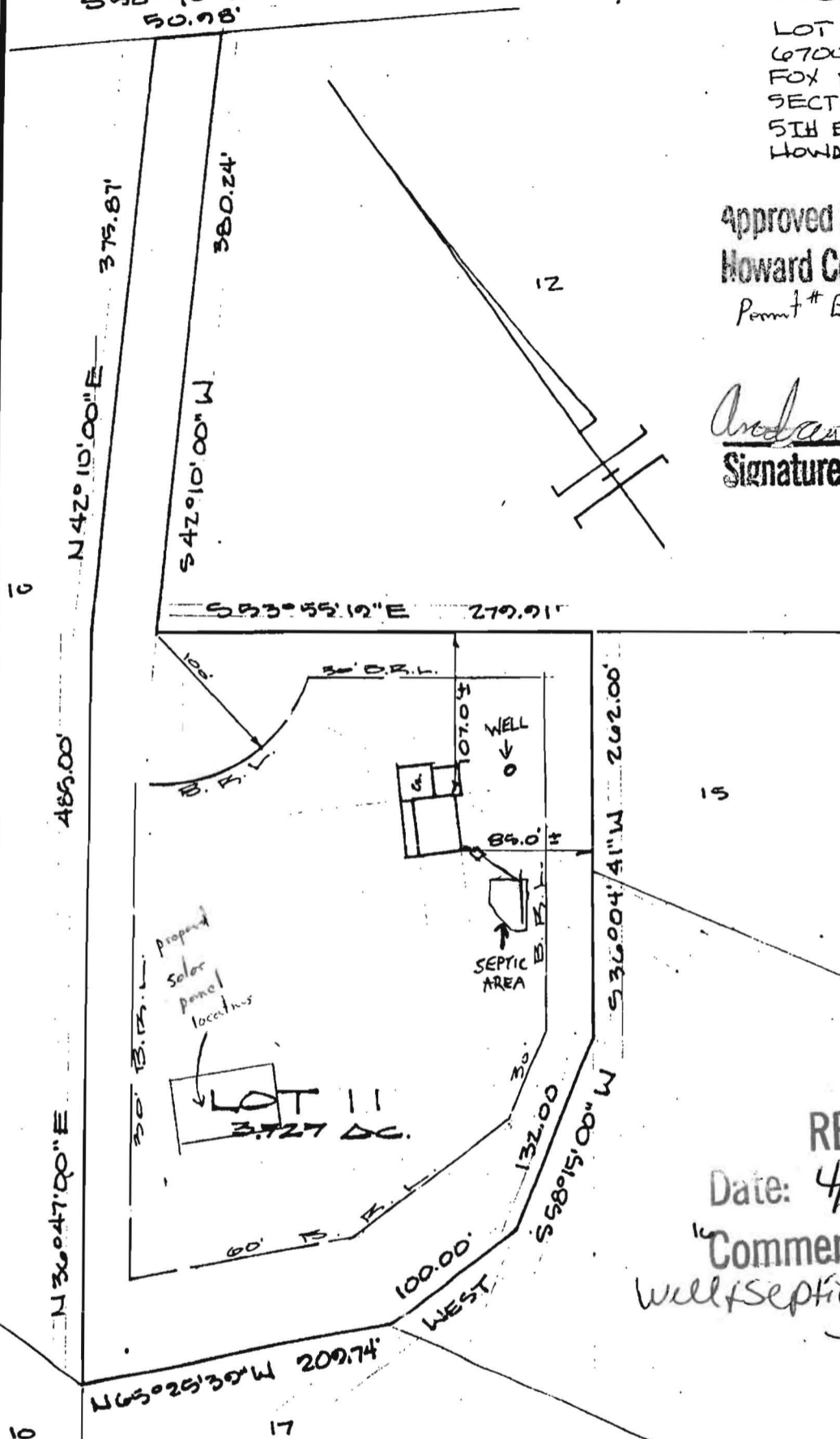
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*Walter Park* 4/24/14  
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REVISED  
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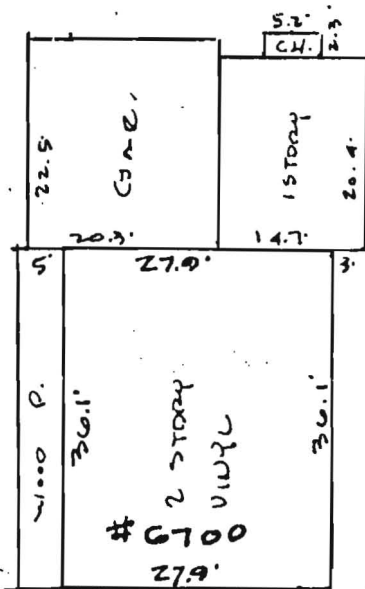
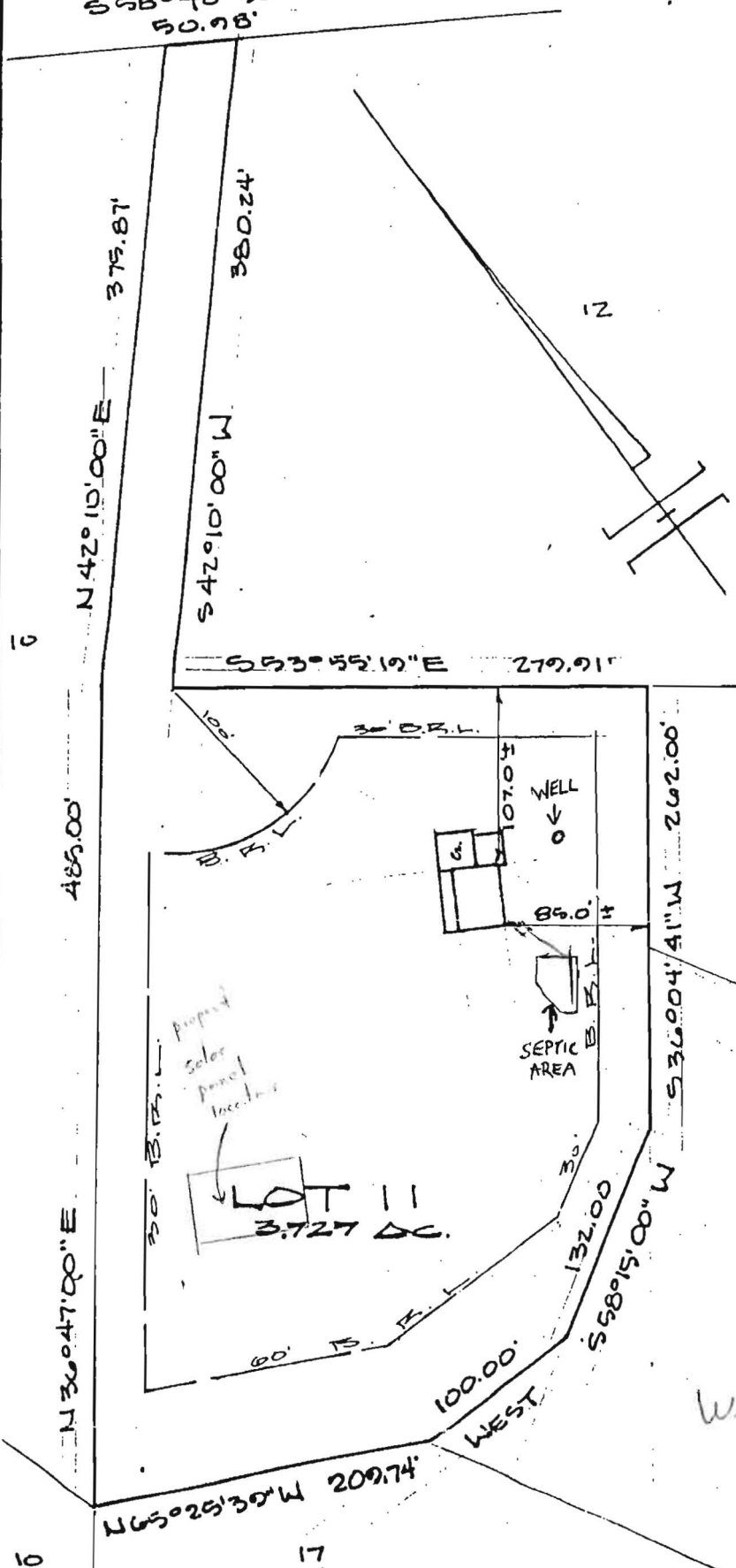
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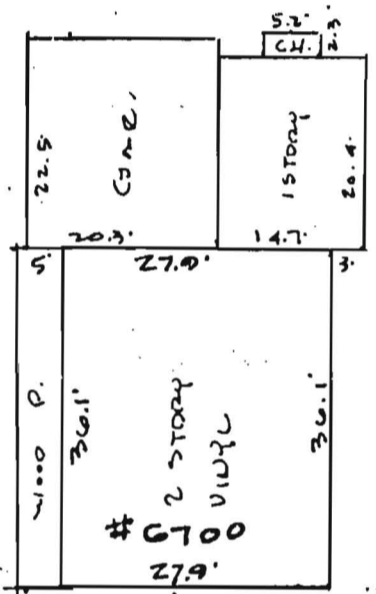
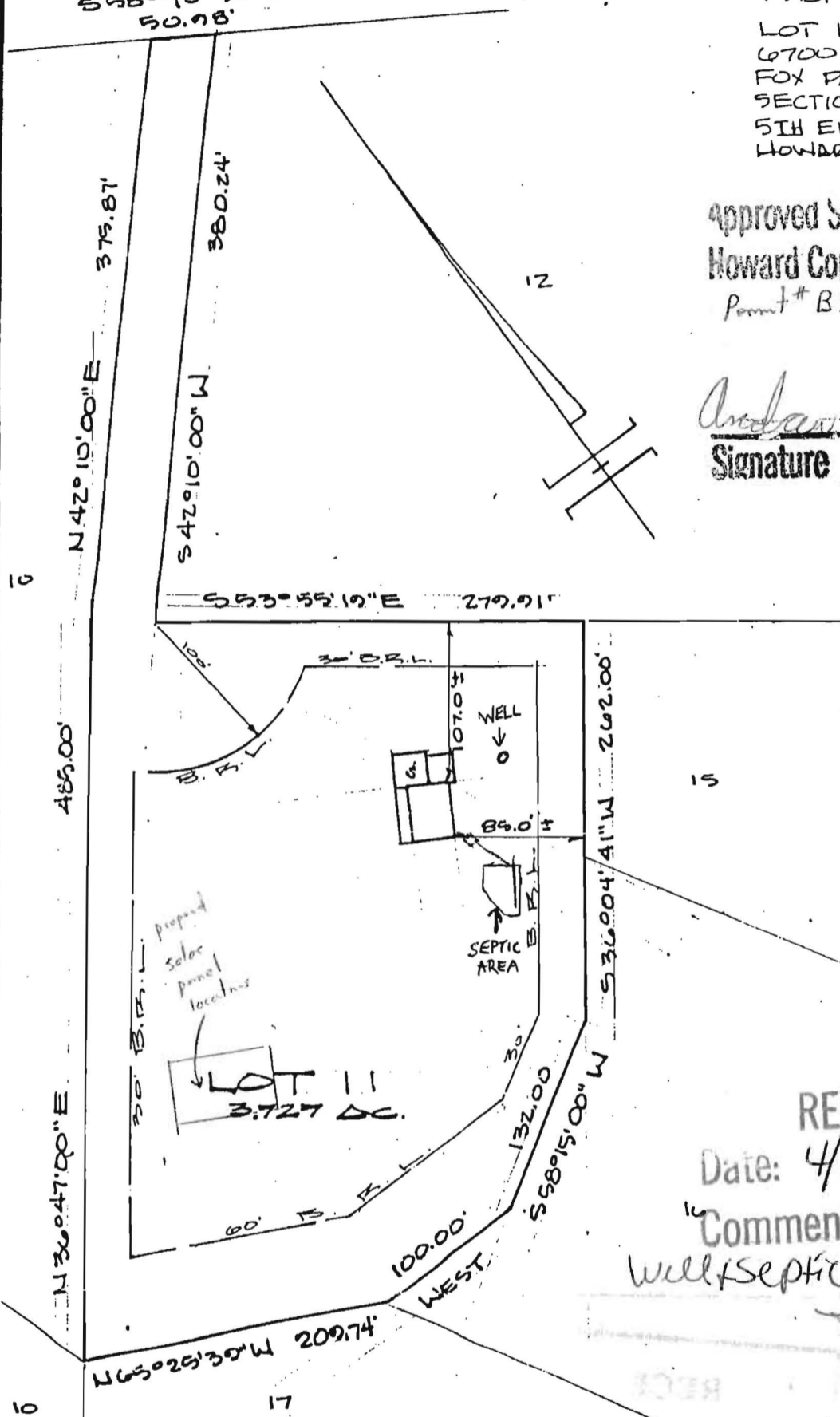
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