



# Building Permit Application

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

DILP 2018 APR 19 PM 1:35

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

Permit No.: B18001280

Building Address: 13787 Treacleck Rd  
 City: West Friendship State: MD Zip Code: 21794  
 Suite/Apt. # \_\_\_\_\_ SDP/WP/BA #: \_\_\_\_\_  
 Census Tract: \_\_\_\_\_ Subdivision: \_\_\_\_\_  
 Section: \_\_\_\_\_ Area: \_\_\_\_\_ Lot: 1  
 Tax Map: \_\_\_\_\_ Parcel: \_\_\_\_\_ Grid: \_\_\_\_\_  
 Zoning: \_\_\_\_\_ Map Coordinates: \_\_\_\_\_ Lot Size: \_\_\_\_\_

Existing Use: \_\_\_\_\_  
 Proposed Use: SEED W/TANK  
 Estimated Construction Cost: \$ 4000  
 Description of Work: 4'x8'x1000 gal  
below ground propane tank

Occupant/Tenant Name: \_\_\_\_\_  
 Was tenant space previously occupied?  Yes  No  
 Contact Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Property Owner's Name: Laurel Kono  
 Address: 7253 D. W. B. Dr.  
 City: West Friendship State: MD Zip Code: 21794  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

**Applicant's Name & Mailing Address, (If other than stated herein)**  
 Applicant's Name: Michelle Henry  
 Address: 1500 A-D Ave. Dr.  
 City: West Friendship State: MD Zip Code: 21794  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: michelle@opelentadoproxy.com

Contractor Company: TECH AIR  
 Contact Person: BOBIS LEASE  
 Address: 1500 A-D Ave. Dr.  
 City: West Friendship State: MD Zip Code: 21794  
 License No.: 20215  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

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

Commercial Building Characteristics	Residential Building Characteristics
Height:	<input checked="" 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 checked="" type="checkbox"/> No	Roof:
<b>Roadside Tree Project Permit #</b>	<input type="checkbox"/> State Certified Modular
	<input type="checkbox"/> Manufactured Home

Utilities
Electric: <input type="checkbox"/> Yes <input type="checkbox"/> No
Gas: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Water Supply</b>
<input type="checkbox"/> Public
<input checked="" type="checkbox"/> Private
<b>Sewage Disposal</b>
<input type="checkbox"/> Public
<input checked="" type="checkbox"/> Private
<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 checked="" 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: \_\_\_\_\_  
 Email Address: \_\_\_\_\_ Date: \_\_\_\_\_  
 Title/Company: \_\_\_\_\_

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	<u>5/3/18</u>	<u>[Signature]</u>

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	\$ <u>110.00</u>
Permit Fee	\$ <u>100</u>
Tech Fee	\$ <u>10</u>
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$ <u>110.00</u>
Sub- Total Paid	\$
Balance Due	\$
Check	# <u>6289</u>

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

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



# Building Permit Application

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

DEP 2018 JAN 25 PM 4:33

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

Permit No.: B/800299

Building Address: 13787 Frederick Road  
City: West Friendship State: MD Zip Code: 21794  
Suite/Apt. #: \_\_\_\_\_ SDP/WP/BA #: \_\_\_\_\_  
Census Tract: \_\_\_\_\_ Subdivision: Benford Prop  
Section: \_\_\_\_\_ Area: \_\_\_\_\_ Lot: 1  
Tax Map: 15 Parcel: 1 Grid: \_\_\_\_\_  
Zoning: RC-DEO Map Coordinates: \_\_\_\_\_ Lot Size: \_\_\_\_\_

Existing Use: Vacant Lot  
Proposed Use: Single Family House  
Estimated Construction Cost: \$ 230,000  
Description of Work: New 2 story "Parker" with 2 car garage, EW'L, 14' EXT to house and finished Basement (Basement, Home Office, and Bar)  
Occupant/Tenant Name: \_\_\_\_\_  
Was tenant space previously occupied?  Yes  No  
Contact Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
Email: \_\_\_\_\_

Property Owner's Name: Tayla Faris  
Address: 7233 Darby Downs  
City: Elkridge State: MD Zip Code: 21075  
Phone: 443-864-3479 Fax: \_\_\_\_\_  
Email: Tfaris@NVA-INC.COM

**Applicant's Name & Mailing Address, (If other than stated herein)**  
Applicant's Name: Jim Keenan  
Address: PO Box 552  
City: Woodbine State: MD Zip Code: 21797  
Phone: 443-309-7792 Fax: \_\_\_\_\_  
Email: Jim@DecaturBuildingServices.com

Contractor Company: Homeowner Tayla Faris  
Contact Person: Tayla Faris  
Address: 7233 Darby Downs  
City: Elkridge State: MD Zip Code: 21075  
License No.: Owner  
Phone: 443-864-3479 Fax: \_\_\_\_\_  
Email: Tfaris@NVA-INC.COM

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 checked="" 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: <u>5</u>	
<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	
Electric:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Gas:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Water Supply	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Sewage Disposal	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Heating System	
<input type="checkbox"/> Electric <input type="checkbox"/> Oil	
<input type="checkbox"/> Natural Gas <input checked="" type="checkbox"/> Propane Gas	
<input type="checkbox"/> Other:	
Sprinkler System:	
<input type="checkbox"/> Yes <input type="checkbox"/> No	
Grading Permit Number:	
Building Shell Permit Number:	

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: Jim Keenan  
Email Address: Jim@DecaturBuildingServices.com  
Title/Company: AGENT

Print Name: Jim Keenan  
Date: 1/25/2018

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

\*\*PLEASE WRITE NEATLY & LEGIBLY\*\*

-FOR OFFICE USE ONLY-

AGENCY	DATE	SIGNATURE OF APPROVAL
<input checked="" type="checkbox"/> State Highways		
<input checked="" type="checkbox"/> Building Officials		
<input checked="" type="checkbox"/> PSZA (Zoning)		
<input checked="" type="checkbox"/> PSZA (Engineering)		
<input checked="" type="checkbox"/> Health	<u>2/15/18</u>	<u>H. OSWALD</u>

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	\$ <u>150.00</u>
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$
Sub- Total Paid	\$
Balance Due	\$
Check	# <u>10410</u>

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

**John Carney**

---

**From:** Faris, Taylor <tfaris@NVHomes.com>  
**Sent:** Monday, January 15, 2018 7:58 AM  
**To:** jcarney@bei-civilengineering.com  
**Subject:** Septic design

John,

I just realized over the weekend that we didn't discuss the amount of bedrooms for the septic design. The home will have 5 bedrooms, so I'm hoping that's what they're creating the design for.

Thanks  
Taylor

Sent from my iPhone

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5 Bedrooms



LOT 1 13787 Frederick Road

B18000299

5 BDR ROOMS TOTAL

# PARKER

Health Dept.



NVR, Inc.  
Architectural Services  
Architects  
21 Byte Court, Suite A  
Frederick, MD 21702

	FULL BASEMENT					CRAWL SPACE					SLAB					SOUTH EAST CORNERSTONE DETAILS					
	STD. DWGS.	ELEV. 'A'	ELEV. 'B'	ELEV. 'C'	ELEV. 'L'	STD. DWGS.	ELEV. 'A'	ELEV. 'B'	ELEV. 'C'	ELEV. 'K'	ELEV. 'L'	STD. DWGS.	ELEV. 'A'	ELEV. 'B'	ELEV. 'C'		ELEV. 'K'	ELEV. 'L'			
SPEC SHEET	99-1					99-1					99-1					D-1	D-1				
FRONT ELEVATIONS		2	3	4.1	4.2	4.3		2	3	4.1	4.2	4.3		2	3	4.1	4.2	4.3	D-1b	D-1b	
SIDE ELEVATIONS		5	6	7.1	7.2	7.3		5	6	7.1	7.2	7.3		5	6	7.1	7.2	7.3	D-1c	D-1c	
REAR ELEVATIONS		8	8	8	8	8		8	8	8	8	8		8	8	8	8	8	D-1d	D-1d	
FOUNDATION	9.1						9.2						9.3						D-2a	D-2	
FOUNDATION PLAN PARTIALS - GRADE BEAMS	10						11						11						D-3	D-3	
FOUNDATION HOLD DOWNS	11						12						12						D-4a	D-4	
PLUMBING	13						13						13						D-5a	D-5a	
BASEMENT PLAN	14						14						14						D-6	D-6	
FIRST FLOOR PLAN	15.1	15.3	15.3	15.3	15.3	15.1	15.3	15.3	15.3	15.3	15.1	15.3	15.3	15.3	15.3					D-7	D-7
FIRST FLOOR PERMIT PLAN	15.2	15.4	15.4	15.4	15.4	15.2	15.4	15.4	15.4	15.4	15.2	15.4	15.4	15.4	15.4					D-8	D-8
SECOND FLOOR PLAN - FOUR BEDROOM	16.1	16.5	16.5	16.5	16.5	16.1					16.1									D-9	D-9
SECOND FLOOR PERMIT PLAN - FOUR BEDROOM	16.2	16.6	16.6	16.6	16.6	16.2					16.2									D-10	D-10
SECOND FLOOR PLAN - ALT. FOUR BEDROOM	16.3	16.5	16.5	16.5	16.5	16.3					16.3									D-11a	D-11
SECOND FLOOR PERMIT PLAN - ALT. FOUR BEDROOM	16.4	16.6	16.6	16.6	16.6	16.4					16.4									D-12a	D-12
INTERIOR DETAILS	17					17					17									D-16a	D-16a
BUILDING SECTION - THRU FOYER - FOUR BED.	18.1					18.1					18.1									D-16b	D-16b
BUILDING SECTION - THRU FOYER - ALT. FOUR BED.	18.2					18.2					18.2									D-16c	D-16c
BUILDING SECTION - THRU DINING ROOM - FOUR BED.	19.1					19.1					19.1									D-22a	D-22
BUILDING SECTION - THRU DINING ROOM - ALT. FOUR BED.	19.2					19.2					19.2									D-23	D-23
BUILDING SECTION - THRU GARAGE - FOUR BED.	19.3					19.3					19.3									D-24	D-24
BUILDING SECTION - THRU GARAGE - ALT. FOUR BED.	19.4					19.4					19.4									D-33a	D-33a
STAIR SECTION	20.1					20.1					20.1									D-34a	
KITCHEN PLAN	21					21					21									SP-1	
HETBAR/BOOKSHELF/PLANNING DESK PLAN	22					22					22									SP-2	
BASEMENT ELECTRICAL	23					23					23									SP-3	
FIRST FLOOR ELECTRICAL	24.1	24.2	24.2	24.2	24.2	24.1	24.2	24.2	24.2	24.2	24.1	24.2	24.2	24.2	24.2					SEP-1	
SECOND FLOOR ELECTRICAL - FOUR BEDROOM	25.1	25.3	25.3	25.3	25.3	25.1	25.3	25.3	25.3	25.3	25.1	25.3	25.3	25.3	25.3					SEP-2	
SECOND FLOOR ELECTRICAL - ALT. FOUR BEDROOM	25.2	25.3	25.3	25.3	25.3	25.2	25.3	25.3	25.3	25.3	25.2	25.3	25.3	25.3	25.3					SEP-3	
FIRST FLOOR JOIST LAYOUT	26					26					26									SEP-4	
SECOND FLOOR JOIST - FOUR BEDROOM	27					27					27									F-1	
SECOND FLOOR JOIST - ALTERNATE BATH #2	28.1					28.1					28.1									FB-1	
SECOND FLOOR JOIST - ALT. FOUR BEDROOM	28.2					28.2					28.2										
ROOF FRAMING - FOUR BEDROOM	29.1	30.1	31.1	30.1	31.1	29.1	30.1	31.1	30.1	31.1	29.1	30.1	31.1	30.1	31.1						
ROOF FRAMING - ALT. FOUR BEDROOM	29.2	30.2	31.2	30.2	31.2	29.2	30.2	31.2	30.2	31.2	29.2	30.2	31.2	30.2	31.2						
TRUSS BRACING	32					32					32										
90 MPH BRACED WALL PANEL DETAIL	33					33					33										
100 MPH BRACED WALL PANEL DETAIL	34.1					34.1					34.1										
110 MPH BRACED WALL PANEL DETAIL	34.2					34.2					34.2										
HVAC - BASEMENT	35					35					35										
HVAC - FIRST FLOOR	36					36					36										
HVAC - SECOND FLOOR	37					37					37										

### BASE SQUARE FOOTAGE

FIRST FLOOR	GROSS SQ. FT.	1461
SECOND FLOOR	GROSS SQ. FT.	1514
HOUSE TOTAL	GROSS SQ. FT.	2975

### ELEVATIONS SQ. FT.

ELEVATION 'A'	GROSS SQ. FT.	0
ELEVATION 'B'	GROSS SQ. FT.	+52
ELEVATION 'C'	GROSS SQ. FT.	+88
ELEVATION 'K'	GROSS SQ. FT.	+52
ELEVATION 'L'	GROSS SQ. FT.	+88

### ADDITIONAL SQ. FT.

FAMILY OFFICE	GROSS SQ. FT.	+144
4' HOUSE EXTENSION	GROSS SQ. FT.	+160
ALTERNATE BATH #2	GROSS SQ. FT.	+36
ALTERNATE 4 BEDROOM	GROSS SQ. FT.	+260

### MAXIMUM FINISHED SQ. FT.

HOUSE TOTAL	GROSS SQ. FT.	3573
***MAXIMUM SQ. FT. DOES NOT INCLUDE BASEMENT		

### FINISHED BASEMENT SQ. FT.

FINISHED BASEMENT	GROSS SQ. FT.	+111
HOME OFFICE	GROSS SQ. FT.	+218
4' HOUSE EXTENSION	GROSS SQ. FT.	+80
EXERCISE ROOM	GROSS SQ. FT.	+255
BASEMENT BATH	GROSS SQ. FT.	+52

### UNFINISHED AREA

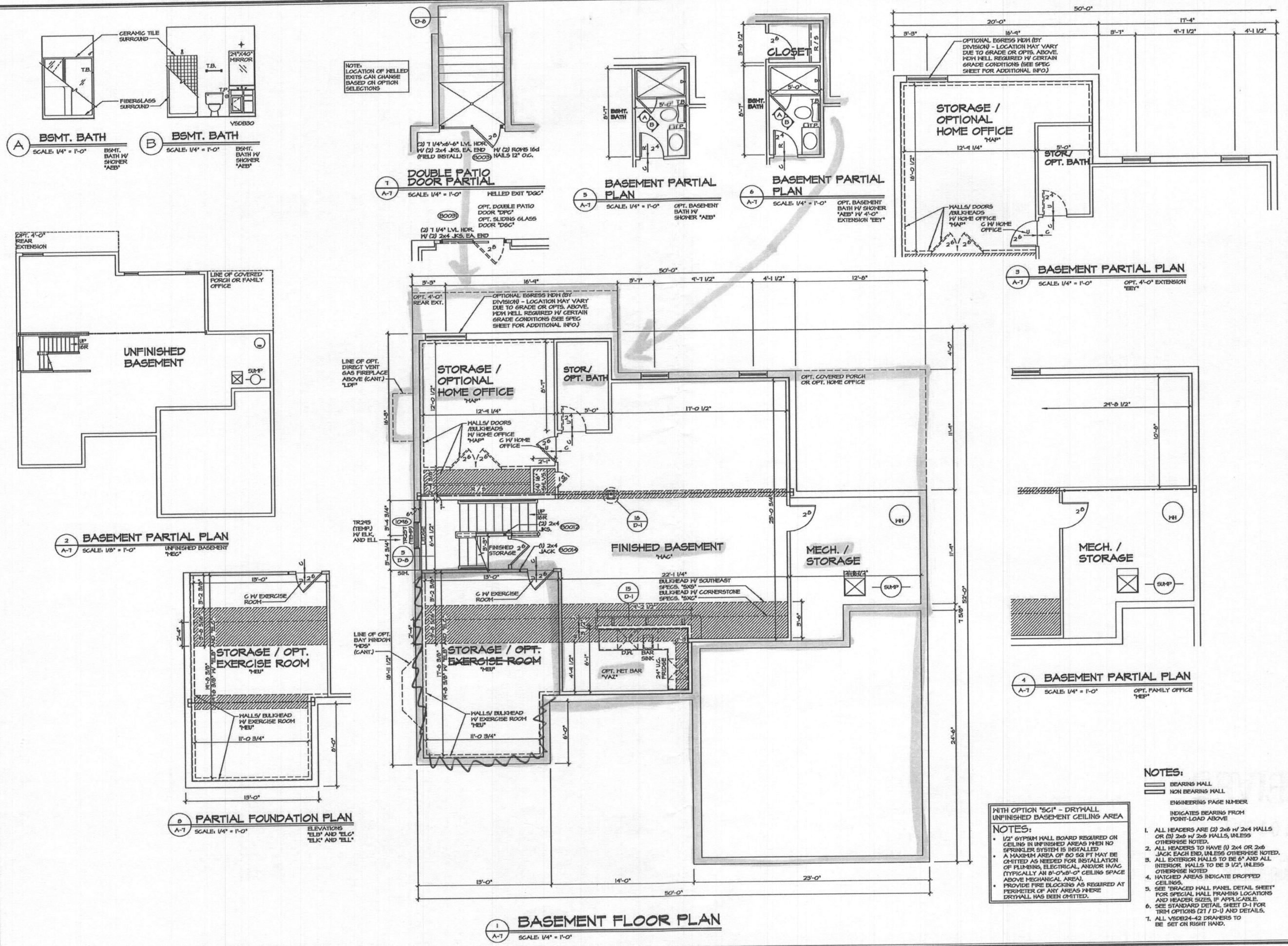
UNFINISHED BASEMENT	GROSS SQ. FT.	1412
2-CAR GARAGE	GROSS SQ. FT.	511
3-CAR GARAGE	GROSS SQ. FT.	747

### FOOTPRINT

BASE HOUSE:	
WIDTH	50'-0"
DEPTH	52'-0"
MAXIMUM:	
WIDTH	52'-4"
DEPTH	66'-4"

SET - VERSION  
**PK00-01** **CS-1**

1 Broom



REV. NO.	DATE	DESCRIPTION
1	6/10/14	DKS - CREATED VERSION OF
2	7/1/15	DKS - ASST REVISIONS
3	7/16/15	DKS - SHOWER DOOR PROJECT 172
4	4/2/15	DKS - ADDED DIM. TO LOCATE STAIR HALL PAIR 34746
5	4/2/15	DKS - REVISED THE DIMENSION AT THE NET BATH TO BE 6'-1" (PAIR ID 25159)
6	10/16	DKS - ADDED PARTIAL FOR B.G. & L. PAIR 30654

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**NVR**  
 NVR, Inc.  
 Architectural Services  
 31 Redwood Hill  
 Frederick, MD 21702

SET NO. PK000	VERSION 01
DRAWN BY DSK	DATE: 7/16/15
OPTION FBA	

SHEET NO. A-7	OPTION DESCRIPTION FULL BASEMENT FOUNDATION
14	

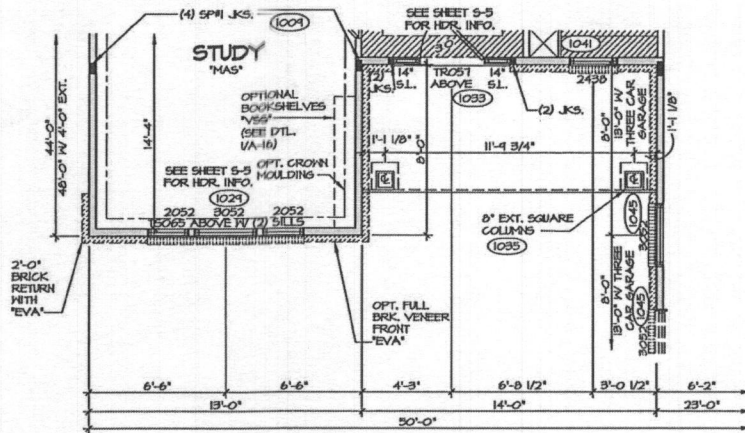
- NOTES:**
- BEARING WALL
  - NON BEARING WALL
  - ENGINEERING PAGE NUMBER
  - INDICATES BEARING FROM POINT-LOAD ABOVE
  - ALL HEADERS ARE (2) 2x6 W/ 2x4 WALLS OR (3) 2x6 W/ 2x6 WALLS, UNLESS OTHERWISE NOTED.
  - ALL HEADERS TO HAVE (1) 2x4 OR 2x6 JACK EACH END, UNLESS OTHERWISE NOTED.
  - ALL EXTERIOR WALLS TO BE 6" AND ALL INTERIOR WALLS TO BE 3 1/2", UNLESS OTHERWISE NOTED.
  - HATCHED AREAS INDICATE DROPPED CEILING.
  - SEE "BRACED HALL PANEL DETAIL SHEET" FOR SPECIAL WALL FRAMING LOCATIONS AND HEADER SIZES, IF APPLICABLE.
  - SEE STANDARD DETAIL SHEET D-1 FOR TRIM OPTIONS (21 / D-U) AND DETAILS.
  - ALL VSD24-42 DRAINERS TO BE SET ON RIGHT HAND.

WITH OPTION "SCI" - DRYWALL UNFINISHED BASEMENT CEILING AREA

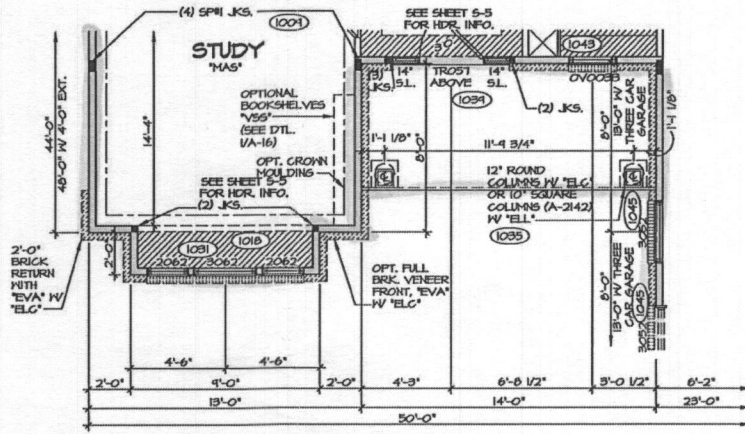
**NOTES:**

- 1/2" GYPSUM WALL BOARD REQUIRED ON CEILING IN UNFINISHED AREAS WHEN NO SPRINKLER SYSTEM IS INSTALLED.
- A MAXIMUM AREA OF 80 SQ FT MAY BE OMITTED AS NEEDED FOR INSTALLATION OF PLUMBING, ELECTRICAL, AND/OR HVAC (TYPICALLY AN 8'-0" x 8'-0" CEILING SPACE ABOVE MECHANICAL AREA).
- PROVIDE FIRE BLOCKING AS REQUIRED AT PERIMETER OF ANY AREAS WHERE DRYWALL HAS BEEN OMITTED.

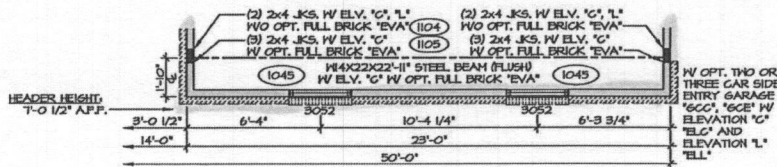




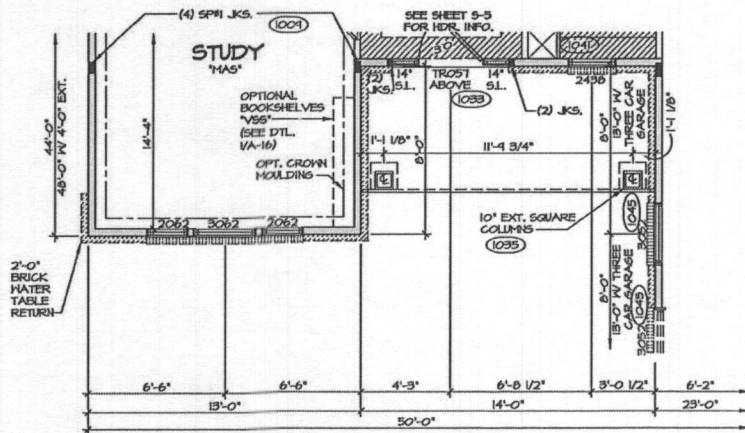
1 PARTIAL FLOOR PLAN  
SCALE: 1/4" = 1'-0"



2 PARTIAL FLOOR PLAN  
SCALE: 1/4" = 1'-0"



4 PARTIAL GARAGE FLOOR PLAN  
SCALE: 1/4" = 1'-0"



3 PARTIAL FLOOR PLAN  
SCALE: 1/4" = 1'-0"

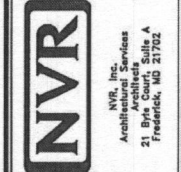
**STRUCTURAL LEGEND**

- 2x10 BLOCKING
- RIMBOARD BLOCKING
- 2x... BLOCKING (2x4 TYP)
- LAMINATED WOOD COLUMN
- INDICATES BEARING FROM POINT-LOAD ABOVE
- REINFORCEMENT ADDED AT POINT-LOADS FROM ABOVE OR PER ENGINEERING. QUANTITY/SIZING VARIES PER DESIGN.

- NOTES:**
- BEARING HALL
  - NON BEARING HALL
  - ENGINEERING PAGE NUMBER
  - INDICATES BEARING FROM POINT-LOAD ABOVE
  - ALL HEADERS ARE (2) 2x6 W/ 2x4 HALLS OR (2) 2x6 W/ 2x6 HALLS, UNLESS OTHERWISE NOTED.
  - ALL HEADERS TO HAVE (1) 2x4 OR 2x6 JACK EACH END, UNLESS OTHERWISE NOTED.
  - ALL EXTERIOR WALLS TO BE 4" AND ALL INTERIOR WALLS TO BE 5 1/2", UNLESS OTHERWISE NOTED
  - HATCHED AREAS INDICATE DROPPED CEILING.
  - SEE "TRACED HALL PANEL DETAIL SHEET" FOR SPECIAL WALL FRAMING LOCATIONS AND HEADER SIZES, IF APPLICABLE.
  - SEE STANDARD DETAIL SHEET D-1 FOR TRIM OPTIONS (21 / D-U) AND DETAILS.
  - ALL VSD824-42 DRAWERS TO BE SET ON RIGHT HAND.

REV. NO.	DATE	REMARKS
1	2/27/14	DES - REVISED TELC STUDY WINDOW NOTES
2	4/21/14	DES - PROTECTED BRACKETS
3	6/10/14	DES - CEMENTED VERTICAL GI
4	2/6/15	DES - ADJUST BRACKETS

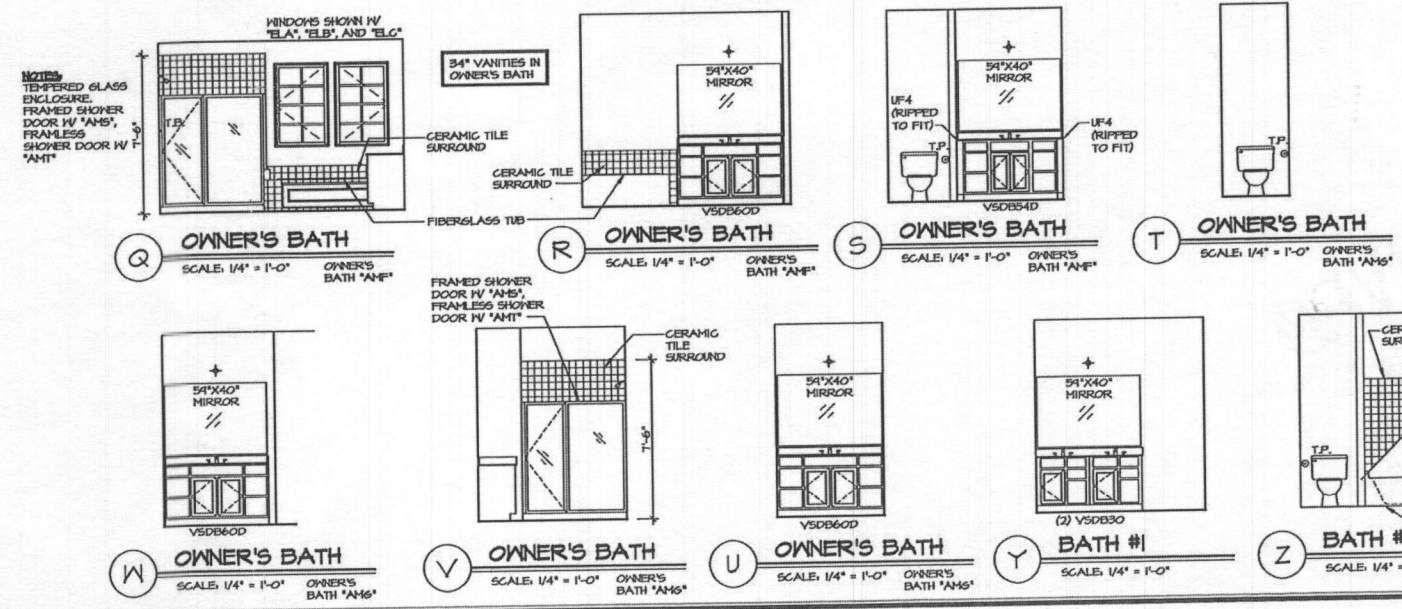
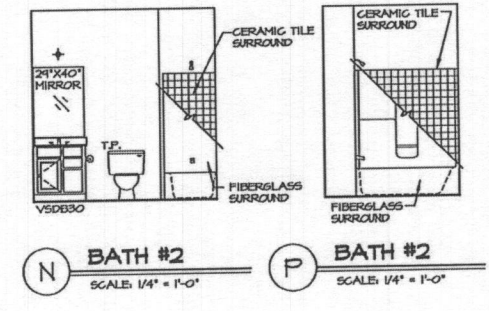
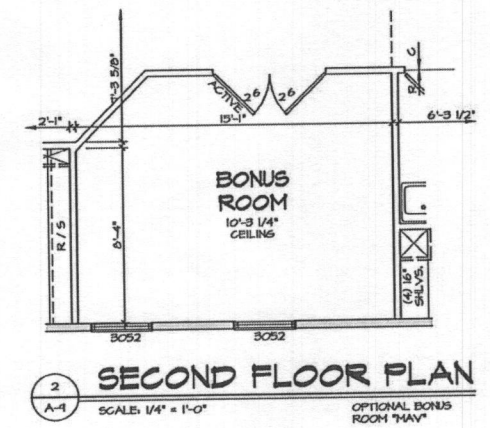
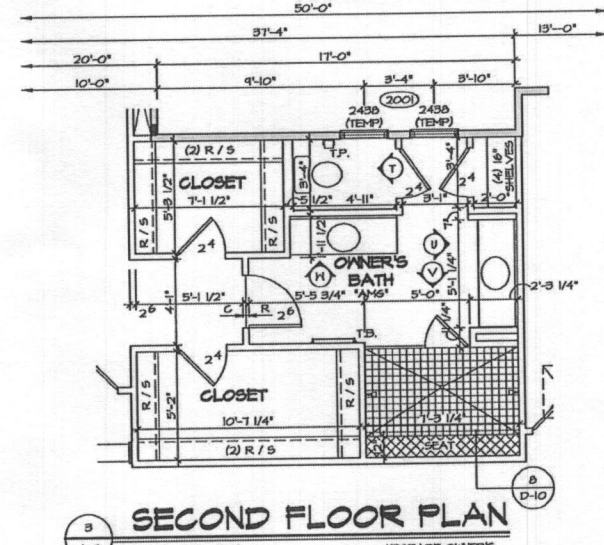
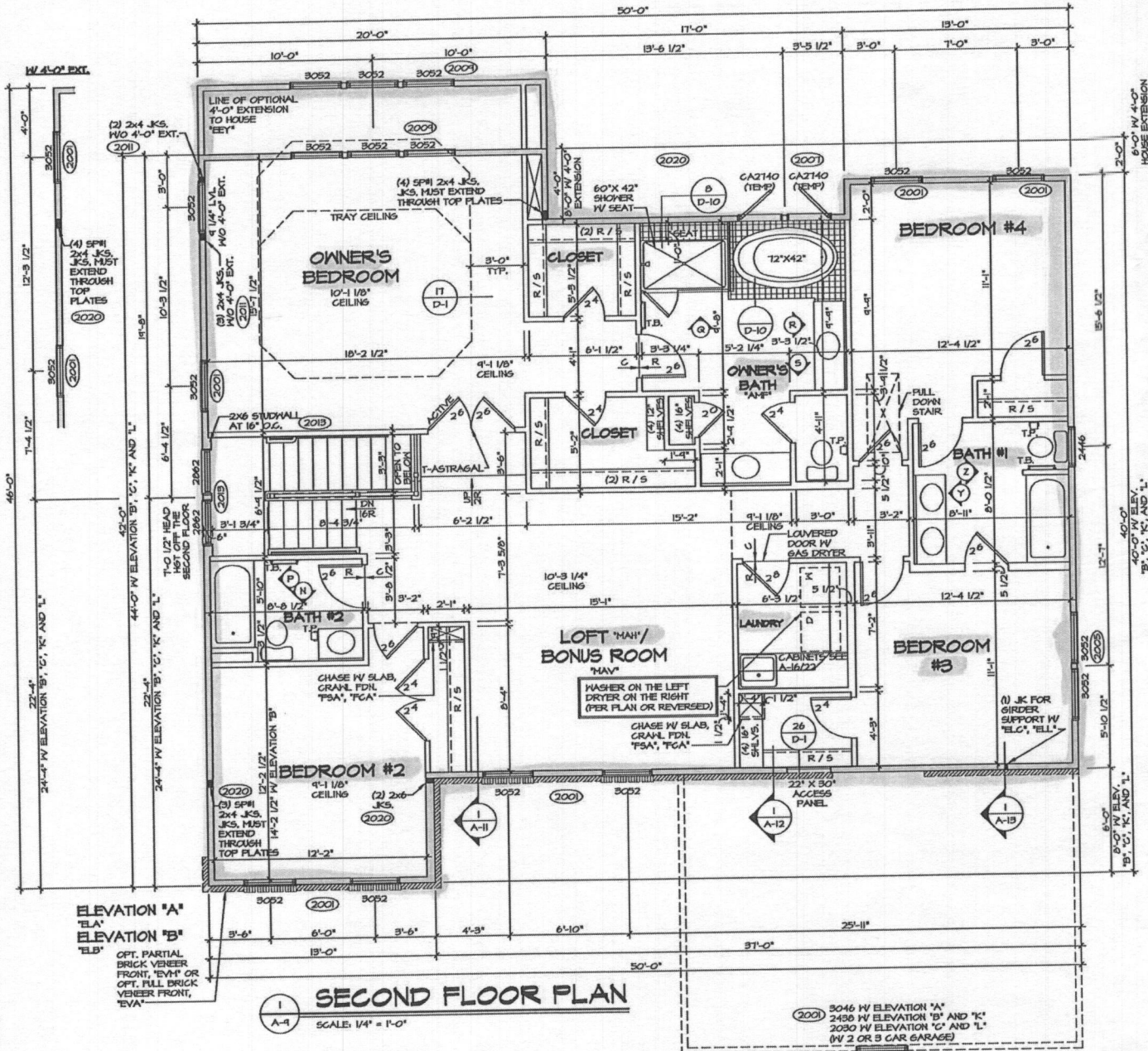
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SET NO. PKR000	VERSION 01
DRAWN BY SLS	DATE: 4/17/13
OPTION	DATE: 4/17/13

MODEL PARKER	OPTION DESCRIPTION
DRAWING TITLE PASTIAL FIRST FLOOR PLAN	
SHEET NO. A-8c	153

4 Bedrooms



**NOTES:**

- BEARING MALL
- NON BEARING MALL
- ENGINEERING PAGE NUMBER

**NOTES:**

- ALL HEADERS ARE (2) 2x6 W/ 2x4 HALLS OR (3) 2x6 W/ 2x6 HALLS, UNLESS OTHERWISE NOTED.
- ALL HEADERS TO HAVE (1) 2x4 OR 2x6 JACK EACH END, UNLESS OTHERWISE NOTED.
- ALL EXTERIOR WALLS TO BE 4" AND ALL INTERIOR WALLS TO BE 3 1/2", UNLESS OTHERWISE NOTED.
- HATCHED AREAS INDICATE DROPPED CEILING.
- SEE "BRACED MALL PANEL DETAIL SHEET" FOR SPECIAL MALL FRAMING LOCATIONS AND HEADER SIZES, IF APPLICABLE.
- SEE STANDARD DETAIL SHEET D-1 FOR TRIM OPTIONS (21 / D-1) AND DETAILS.

REV. NO.	DATE	REMARKS
1	10/17/16	ISSUED FOR PERMITS
2	10/17/16	ADJUSTED OWNER'S BATH CABINET (PAR 40248)
3	10/17/16	ADJUSTED OWNER'S BATH CABINET (PAR 40248)
4	10/17/16	ADJUSTED OWNER'S BATH CABINET (PAR 40248)
5	10/17/16	ADJUSTED OWNER'S BATH CABINET (PAR 40248)
6	10/17/16	ADJUSTED OWNER'S BATH CABINET (PAR 40248)
7	10/17/16	ADJUSTED OWNER'S BATH CABINET (PAR 40248)
8	10/17/16	ADJUSTED OWNER'S BATH CABINET (PAR 40248)
9	10/17/16	ADJUSTED OWNER'S BATH CABINET (PAR 40248)
10	10/17/16	ADJUSTED OWNER'S BATH CABINET (PAR 40248)

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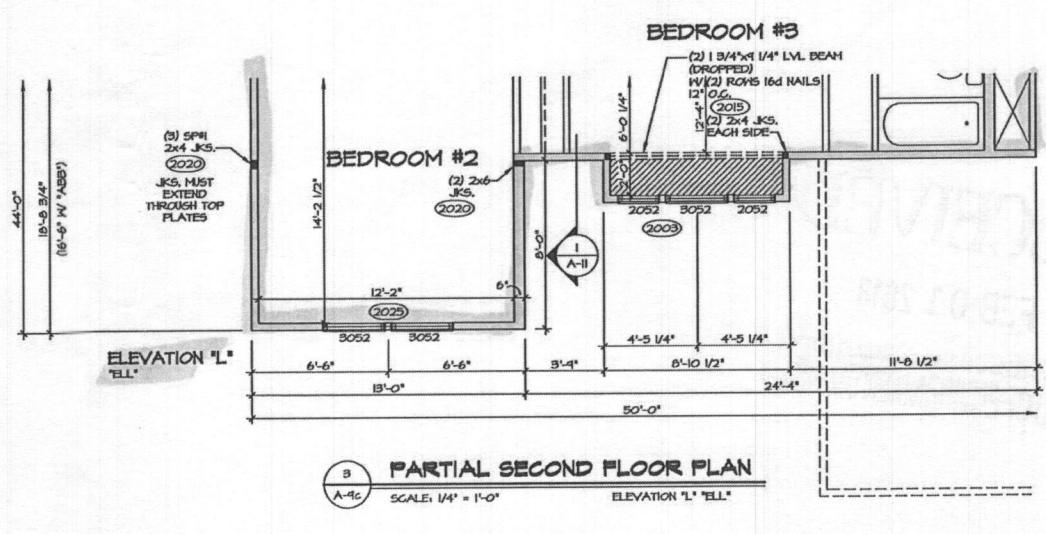
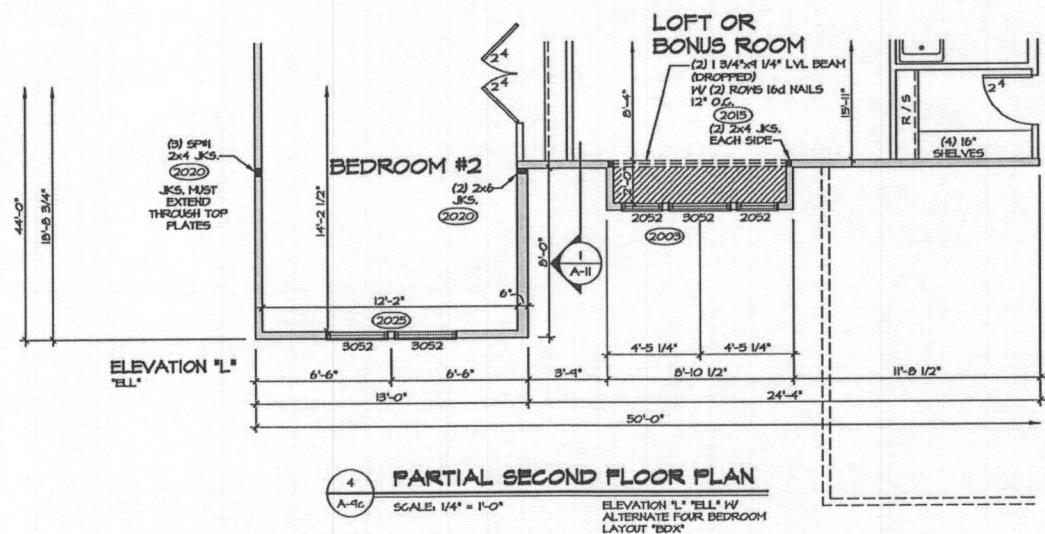
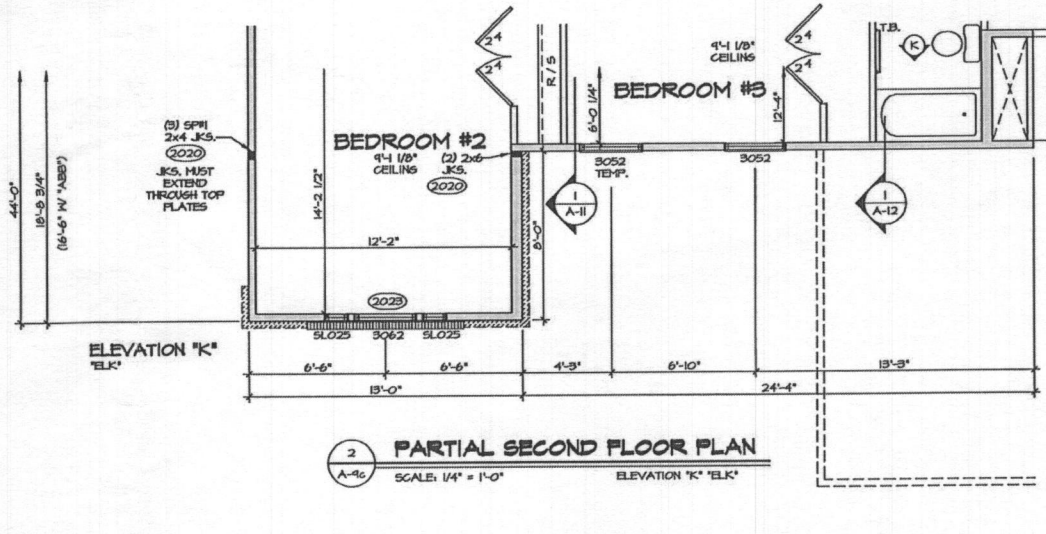
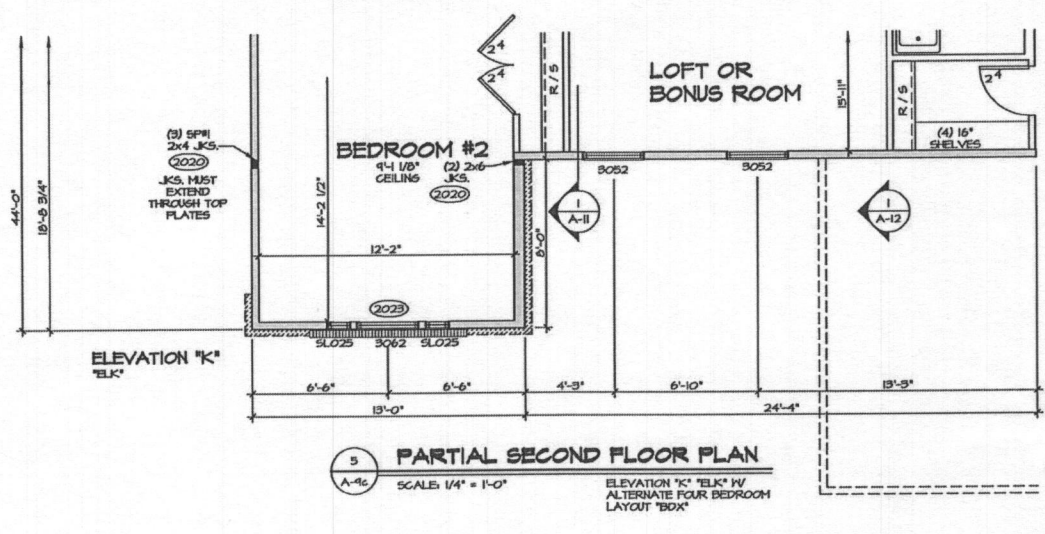
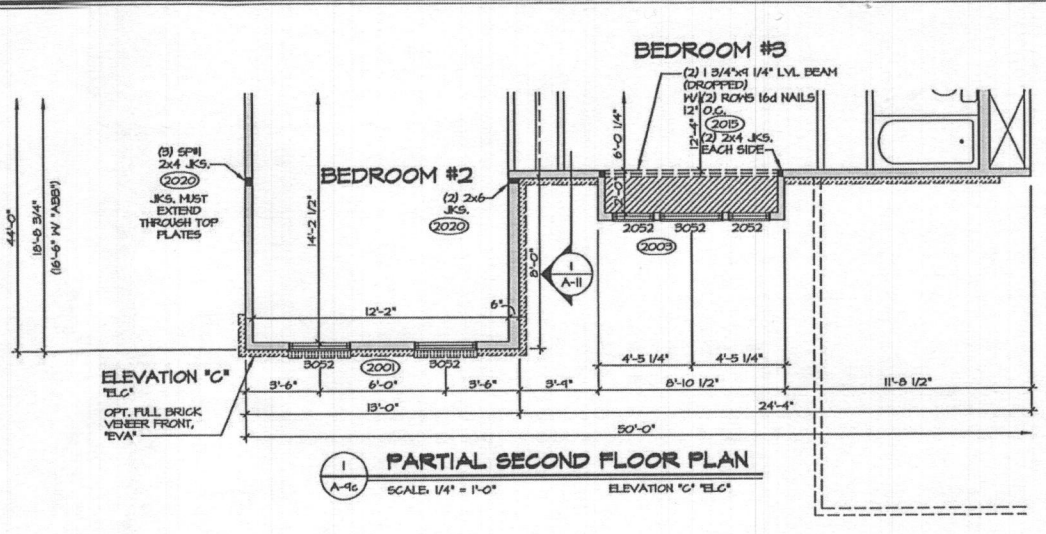
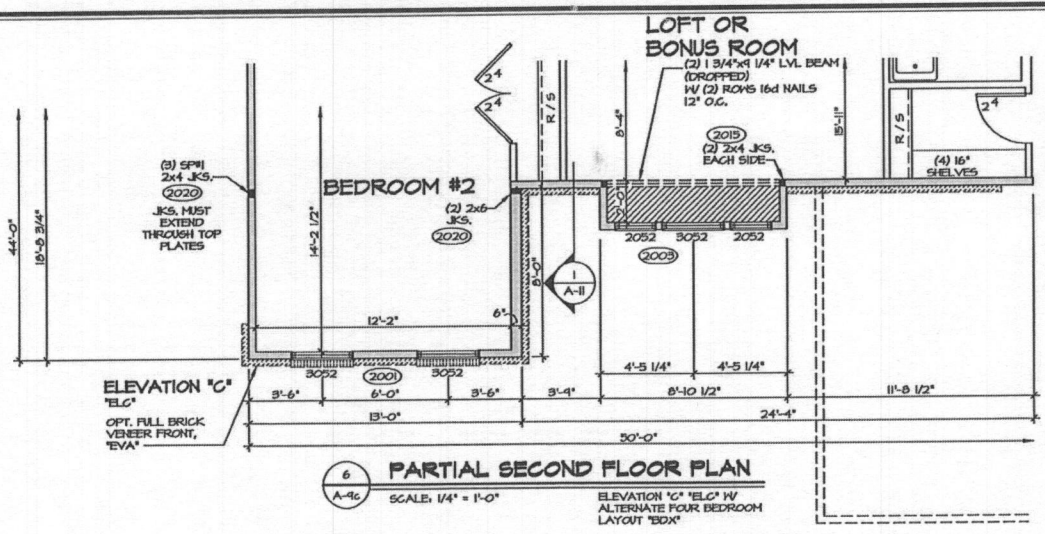
**NVR**  
 Architects  
 21 Bye Court, Suite A  
 Frederick, MD 21702

SET NO. PKR000  
 VERSION 01  
 DRAWN BY N9B  
 DATE: 4/17/16  
 OPTION BDX

MODEL PARKER  
 DRAWING TITLE SECOND FLOOR PLAN  
 OPTION DESCRIPTION FOUR BEDROOM ALTERNATE LAYOUT

SHEET NO. A-9  
 16.3

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- NOTES:**
- TEMPERED GLASS SHOWER ENCLOSURE WITH SWING DOOR OR OPTIONAL SLIDING DOOR BY DIVISION
  - TUB ACCESS PANELS PROVIDED AS NEEDED, ALL MATERIALS BY DIVISION
  - REFER TO SHEET D-33 (8x24) OR D-10 (24x36) FOR TUB AND SHOWER DETAILS.
  - ALL VSOB24-42 DRAWERS TO BE SET ON RIGHT HAND.
- NOTES:**
- BEARING HALL
  - NON BEARING HALL
  - ENGINEERING PAGE NUMBER
- ALL HEADERS ARE (2) 2x6 W/ 2x4 WALLS OR (2) 2x6 W/ 2x6 WALLS, UNLESS OTHERWISE NOTED.
  - ALL HEADERS TO HAVE (1) 2x4 OR 2x6 JACK EACH END, UNLESS OTHERWISE NOTED.
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  - HATCHED AREAS INDICATE DROPPED CEILING.
  - SEE BRACED WALL PANEL DETAIL SHEET FOR SPECIAL WALL FRAMING LOCATIONS AND HEADER SIZES, IF APPLICABLE.
  - SEE STANDARD DETAIL SHEET D-1 FOR TRIM OPTIONS (21 / D-1) AND DETAILS.

REV. NO.	DATE	DESCRIPTION
1	4/21/14	SLS - PROTOTYPIC REVISIONS
2	5/9/14	DIAG - TUB CONVERSION
3	6/10/14	DIAG - CREATING VERSION OF
4	2/6/15	DPB - AUDIT REVISIONS

REMARKS

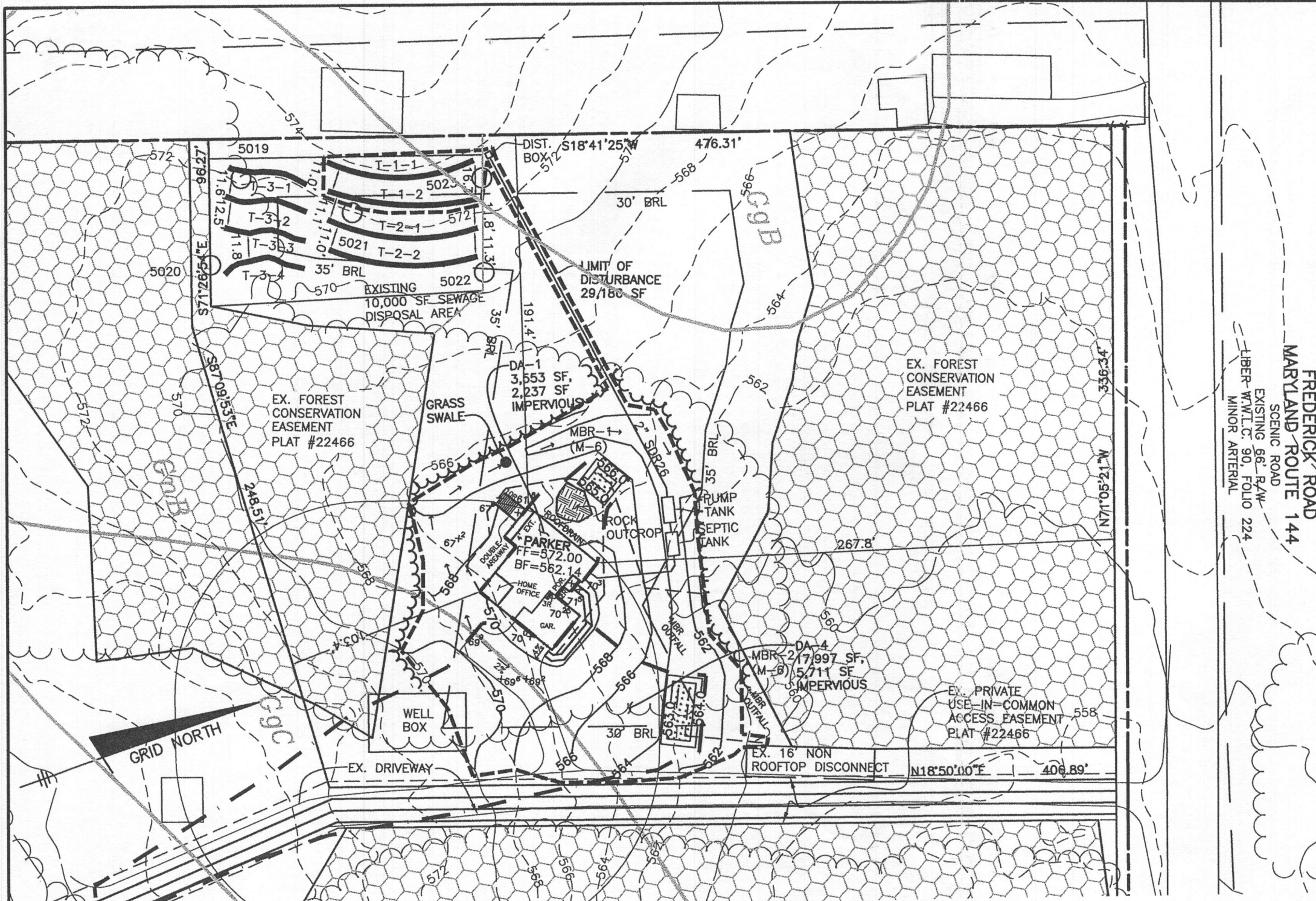
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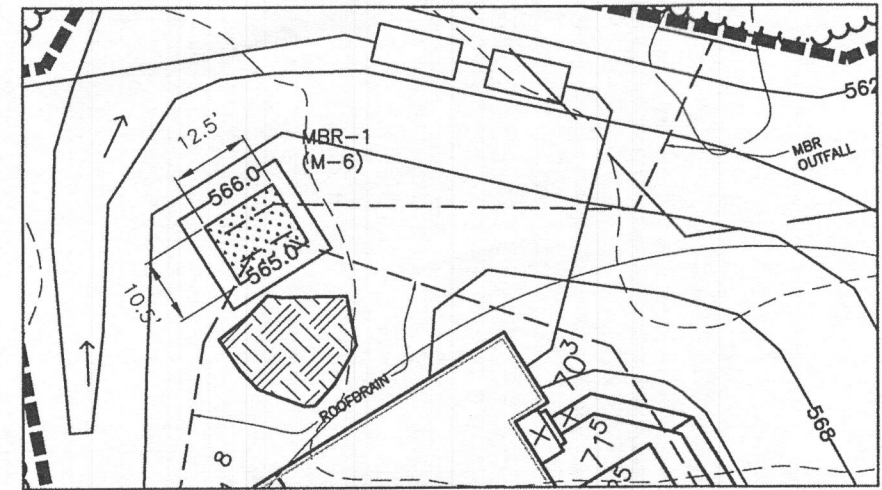
SET NO. PKR00  
 VERSION 0  
 DRAWN BY NGB  
 DATE: 4/17/15  
 OPTION

MODEL: PARKER  
 DRAWING TITLE: PARTIAL SECOND FLOOR PLAN  
 OPTION DESCRIPTION:

SHEET NO. A-9C  
 16.5



- BUILDING PERMIT PLAN NOTES:**
1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR RENFRO PROPERTY, PLAT Nos. 22465-22466. REFER TO THE PLATS FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND CONDITIONS.
  2. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION
  3. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS AND TOPOGRAPHIC INFORMATION PROVIDED BY F-13-040, ON OR ABOUT FEBRUARY, 2013. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
  4. ALL DRAINAGE AND STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED SUPPLEMENTAL CONSTRUCTION PLANS EXCEPT AS WAIVED OR REDESIGNED.
  5. THE EXISTING WELL SHOWN ON THIS PLAN, HO-95-2480, WILL BE FIELD LOCATED BY BENCHMARK ENGINEERING, INC. PRIOR TO BUILDING PERMIT ISSUANCE.
  6. THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
  7. ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA OR WELL BOX SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
  8. STORMWATER MANAGEMENT FOR THIS LOT WAS DESIGNED AND PROVIDED BY TWO MICRO-BIORETENTION FACILITIES. MICRO-BIORETENTION SHALL HAVE EITHER A 4" OR 6" ROOF LEADER DEPENDING ON ROOF-TOP AREA.
  9. THE SEPTIC TANK WILL HAVE A 2000 GALLON 2 COMPARTMENT TANK.



**MBR#1 DETAIL**  
1" = 30'

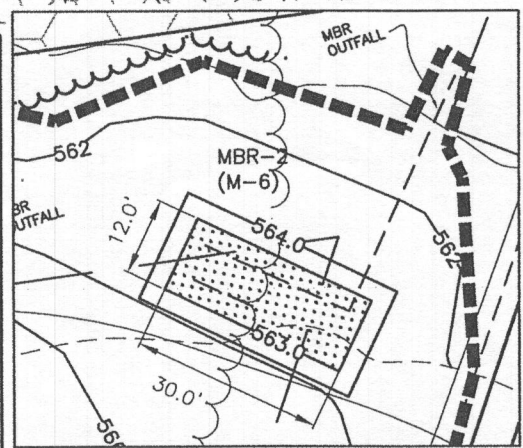
**BUILDER:**  
TAYLOR FARIS  
7233 DARBY DOWNS  
ELKRIDGE, MD 21075  
443-864-3479

**OWNER:**  
HAROLD E. RENFRO, JR.  
MERILYN S. RENFRO  
13765 FREDERICK ROAD  
WEST FRIENDSHIP, MD 21794  
301-854-6782

**BENCHMARK**  
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS

**ENGINEERING, INC.**  
8480 BALTIMORE NATIONAL PIKE ▲ SUITE 315  
ELLCOTT CITY, MARYLAND 21043  
(P) 410-465-6105 ▲ (F) 410-465-6644  
WWW.BEI-CIVLENGINEERING.COM

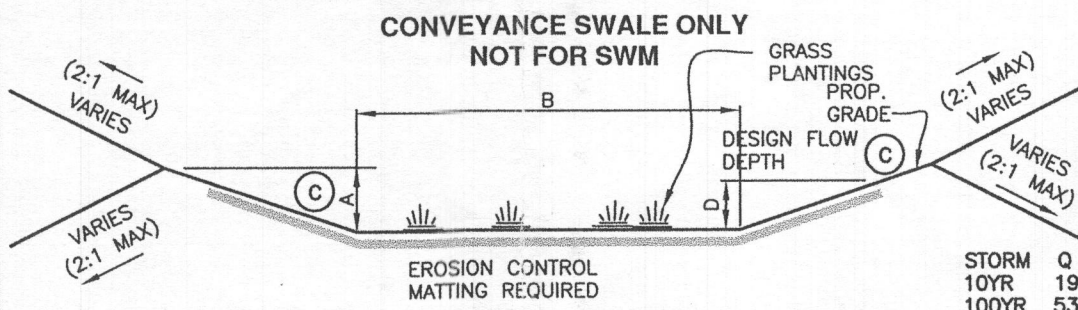
Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 45577, Expiration Date: 06-08-2018.



**MBR#4 DETAIL**  
1" = 30'

**PLAN VIEW**  
1" = 60'

NOTE: ELEVATIONS LISTED IN CHART ARE ELEVATIONS AT BOTTOM OF THE SWALE. THIS SWALE DOES NOT PROVIDE STORMWATER MANAGEMENT.



**GRASS SWALE TYPICAL SECTION DETAIL**

SWALE # 1	
A	2.0'
B	3.0'
C	3:1
D10	0.72'
SLOPE	3.0%
BOTTOM DIMS	
LENGTH	170'
WIDTH	3.0'

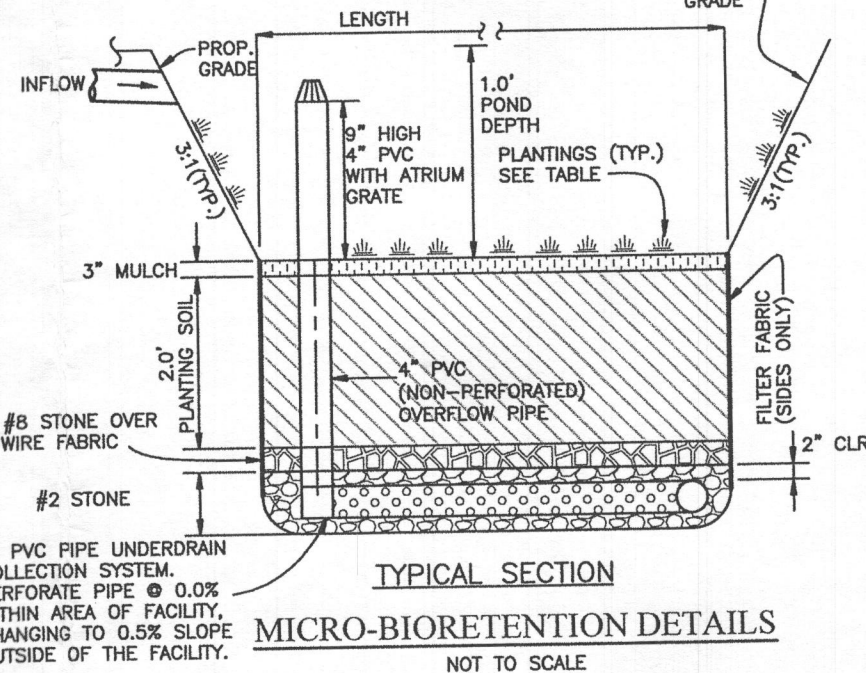
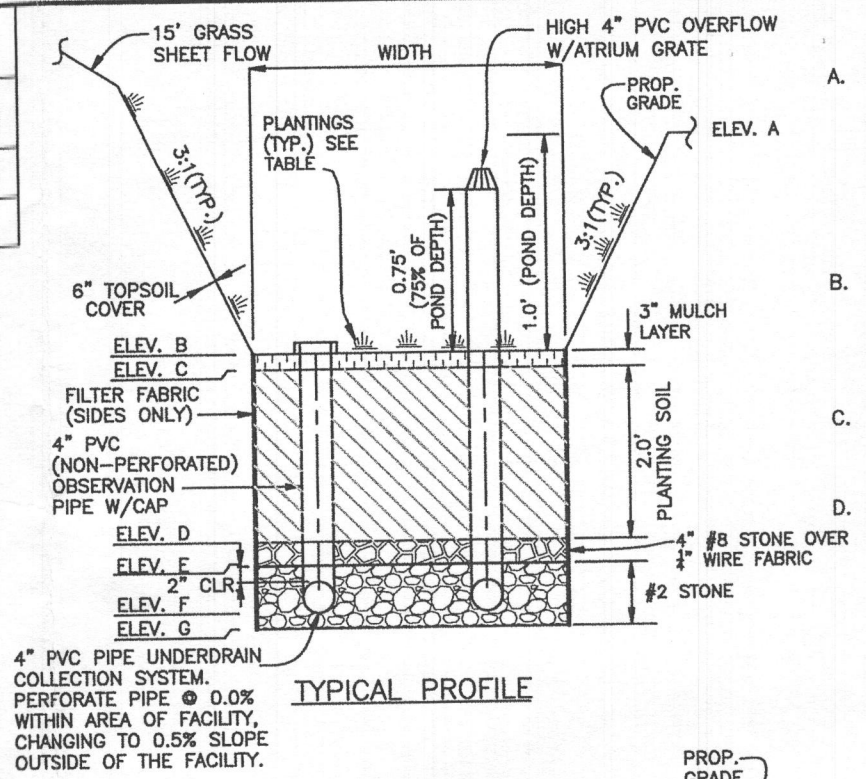
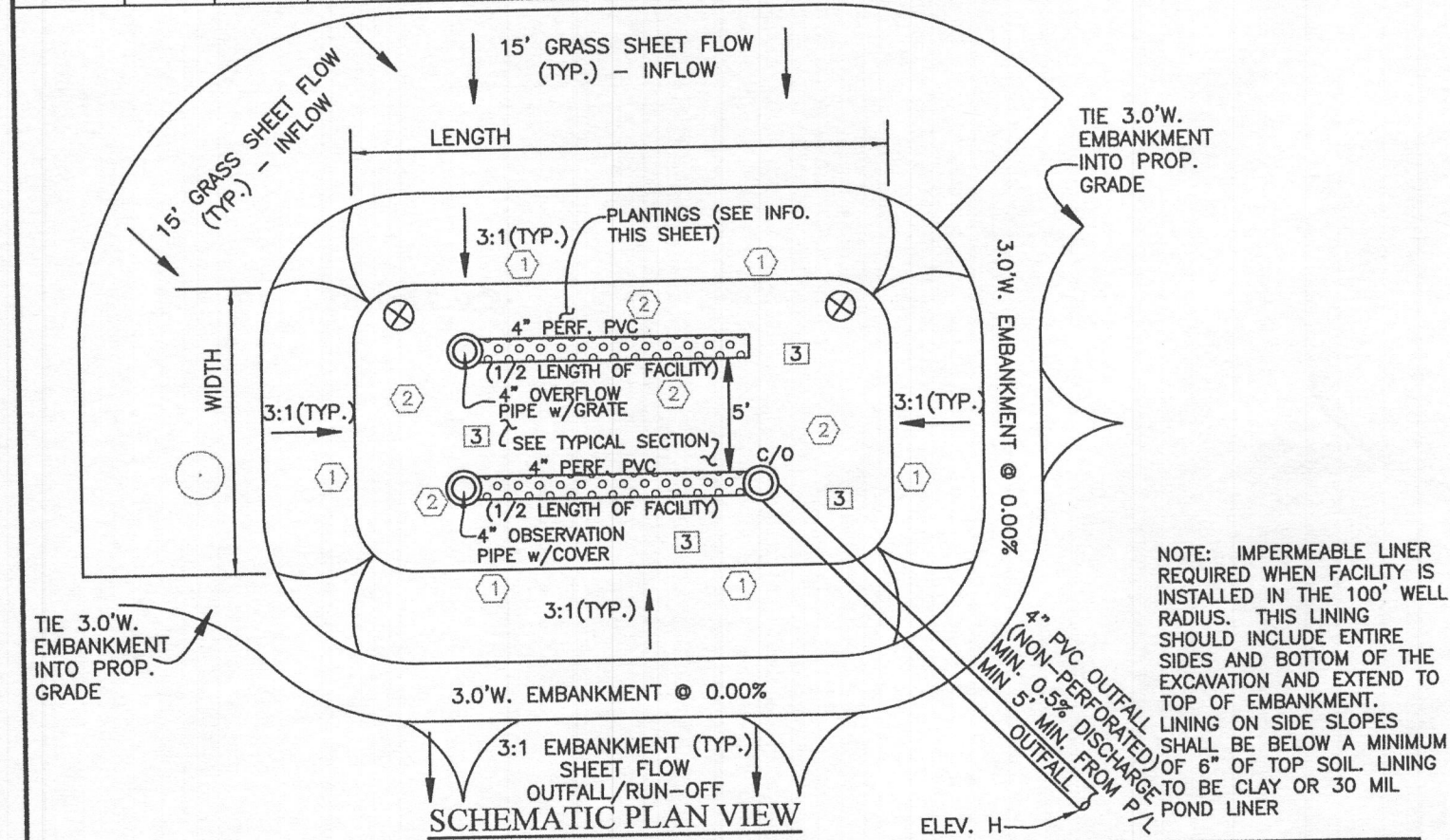
	Q (RUNOFF)	VELOCITY
STORM 10YR	19.71 CFS	5.31 FPS
100YR	53.38 CFS	6.92 FPS

GRASS SWALE DESIGN TABLE

PROJECT:	<b>RENFRO PROPERTY LOT 1</b>	
LOCATION:	TAX MAP: 15, GRID: 1, PARCEL: 178, ZONED: RC-DEO #13787 FREDERICK ROAD THIRD ELECTION DISTRICT, HOWARD COUNTY, MD TAX ID NUMBER 03-595654	
TITLE:	<b>BUILDING PERMIT PLAN</b>	
HOUSE TYPE:	<b>PARKER</b>	
DATE:	JANUARY, 2018	PROJECT NO. 2876
SCALE:	AS SHOWN	DRAWING 1 OF 2

### ON-LOT BIORETENTION DIMENSIONS

FACILITY	A	B	C	D	E	F	G	H	LENGTH	WIDTH	FILTER (A <sub>f</sub> )	PLANTINGS			LINER
												①	②	③	
MBR-1	566.00	565.00	564.75	562.75	562.42	561.75	560.35	560.00	12.5	10.5	131	15	15	7	NO
MBR-4	564.00	563.00	562.75	560.75	560.42	559.75	558.42	559.00	30.0	12.0	360	40	40	20	NO



- #### OPERATION AND MAINTENANCE SCHEDULE FOR MICRO-BIORETENTION (M-6)
- THE OWNER SHALL MAINTAIN THE PLANT MATERIAL, MULCH LAYER AND SOIL LAYER ANNUALLY. MAINTENANCE OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH OUT. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL AND PRUNING. ACCEPTABLE REPLACEMENT PLANT MATERIAL IS LIMITED TO THE FOLLOWING: 2000 MARYLAND STORMWATER DESIGN MANUAL VOLUME II, TABLE A.4.1 AND 2.
  - THE OWNER SHALL PERFORM A PLANT INSPECTION IN THE SPRING AND IN THE FALL OF EACH YEAR. DURING THE INSPECTION, THE OWNER SHALL REMOVE DEAD AND DISEASED VEGETATION CONSIDERED BEYOND TREATMENT, REPLACE DEAD PLANT MATERIAL WITH ACCEPTABLE REPLACEMENT PLANT MATERIAL, TREAT DISEASED TREES AND SHRUBS, AND REPLACE ALL DEFICIENT STAKES AND WIRES.
  - THE OWNER SHALL INSPECT THE MULCH EACH SPRING. THE MULCH SHALL BE REPLACED EVERY TWO TO THREE YEARS. THE PREVIOUS MULCH LAYER SHALL BE REMOVED BEFORE THE NEW LAYER IS APPLIED.
  - THE OWNER SHALL CORRECT SOIL EROSION ON AN AS NEEDED BASIS, WITH A MINIMUM OF ONCE PER MONTH AND AFTER EACH HEAVY STORM.

Professional Certification. I hereby 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 No. 45577, Expiration Date: 06-08-2018.

**BUILDER:**  
TAYLOR FARIS  
7233 DARBY DOWNS  
ELKRIDGE, MD 21075  
443-864-3479

**OWNER:**  
HAROLD E. RENFRO, JR.  
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WWW.BEI-CVLENGINEERING.COM

### MATERIALS & SPECIFICATIONS FOR MICRO-BIORETENTION

MATERIAL	SPECIFICATION	SIZE	NOTES:
PLANTINGS	SEE APPENDIX A; TABLE A.4	N/A	PLANTINGS ARE SITE SPECIFIC
PLANTING SOIL (2.0' TO 4.0' DEEP)	LOAMY SAND 60-65% COMPOST 35-40% OR SANDY LOAM 30% COARSE SAND 30% & COMPOST 40%	N/A	USDA SOIL TYPES: LOAMY SAND OR SANDY LOAM; CLAY CONTENT <5%
ORGANIC CONTENT	MIN 10% BY DRY WEIGHT ASTM D 2974		
MULCH	SHREDDED HARDWOOD	N/A	AGED 6 MONTHS, MINIMUM, NO PINE OR WOOD CHIPS
GEOTEXTILE (CLASS "C")		N/A	PE TYPE 1 NONWOVEN
GEOTEXTILE (1/4" WIRE MESH)		1/4" WIRE MESH	1/4" WIRE MESH
UNDERDRAIN GRAVEL	AASHTO M-43	NO. 57 OR NO. 6 0.375" TO 0.750"	
UNDERDRAIN PIPING	F75B, TYPE PS28 OR AASHTO M-278	4" TO 6" RIGID SCH.40 PVC, SDR35 OR HDPE	3/8" PERF. @ 6" O/C, 4 HOLES PER ROW; MINIMUM OF 3" OF GRAVEL OVER PIPES, NOT NECESSARY UNDERNEATH PIPES. PIPE SHALL BE WRAPPED WITH 1/4-INCH GALVANIZED HARDWARE CLOTH
IMPERVIOUS LINER	ASTM-D-4833 (THICKNESS) ASTM-D-412 (TENSILE STRENGTH 1,100 LB., ELONGATION 200%) ASTM-D-624 (TEAR RESISTANCE - 150 LB./IN) ASTM-D-471 (WATER ADSORPTION: +8 TO -2% MASS)	30 MIL THICK	LINER TO BE ULTRAVIOLET RESISTANT. A GEOTEXTILE FABRIC SHOULD BE USED TO PROTECT THE LINER FROM PUNCTURE.
GEOTEXTILE (BELOW IMPERV. LINER)	ASTM-D-4833 (PUNCTURE STRENGTH 125LB) ASTM-D-4632 (TENSILE STRENGTH 300 LB.)		

### MICROBIORETENTION PLANTING SCHEDULE

- (PLANTING SPECIES AND DENSITY CAN BE CHANGED OR SUBSTITUTED BY A LANDSCAPE ARCHITECT OR QUALIFIED DESIGNER)
- IRIS FULVA (COPPER IRIS) (1 PER SY)
  - LOBELIA CARDINALIS (CARDINAL FLOWER) (1 PER SY)
  - RUDBECKIA SUBTOMENTOSA (SWEET CONEFLOWER) (1 PER 2 SY)
  - CALLUNA VULGARIS (HEATHER) (1 PER FACILITY)
  - ACER GINNALA (ARMUR MAPLE) (1 PER FACILITY)

### MICROBIORETENTION PLANTING DATA

- PLANTINGS WITHIN THE PONDING AREA OF THE FACILITY ARE TO BE OF A MEDIUM TO HIGH WATER TOLERANCE
- PLANTINGS ALONG THE PERIMETER (BERM) AREA OF THE FACILITY ARE TO BE OF A LOW TO MEDIUM WATER TOLERANCE
- AVOID PLANTINGS WITH EXCESSIVE ROOT MASS IN POND AREA OF THE RAIN GARDEN NEAR O.B. PIPE AND UNDERDRAIN.

PROJECT:	RENFRO LOT 1	
LOCATION:	TAX MAP: 15, GRID: 1, PARCEL: 178, ZONED: RC-DEO #13787 FREDERICK ROAD THIRD ELECTION DISTRICT, HOWARD COUNTY, MD TAX ID NUMBER 03-595654	
TITLE:	BUILDING PERMIT & STORMWATER MANAGEMENT NOTES & DETAILS	
HOUSE TYPE:	PARKER	
DATE:	JANUARY, 2018	PROJECT NO. 2876
SCALE:	AS SHOWN	DRAWING 2 OF 2