



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 AUG 31 PM 1:33
Date Received: _____

Permit No.: B18003137

Health

Building Address: 13602 CURTIS VISTA WAY
 City: CLARKSVILLE State: MD Zip Code: 21029
 Suite/Apt. # _____ SDP/WP/BA #: _____
 Census Tract: _____ Subdivision: BRIGHTON MILL
 Section: _____ Area: _____ Lot: 12
 Tax Map: _____ Parcel: _____ Grid: _____
 Zoning: _____ Map Coordinates: _____ Lot Size: 59,234

Existing Use: SFD
 Proposed Use: SFD W/PROPANE TANK
 Estimated Construction Cost: \$ 4,000
 Description of Work: INSTALL 1000 GAL UNDERGROUND PROPANE TANK

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

Property Owner's Name: NVR INC
 Address: 9720 PATUXENT WOODS DRIVE
 City: COLUMBIA State: MD Zip Code: 21046
 Phone: _____ Fax: _____
 Email: _____

Applicant's Name & Mailing Address, (if other than stated herein)
 Applicant's Name: MICHELLE CLANCY
 Address: PO BOX 310
 City: PERRY HALL State: MD Zip Code: 21128
 Phone: 443-610-7514 Fax: _____
 Email: MICHELLE@APPLIEDANDAPPROVED.COM

Contractor Company: TECH AIR
 Contact Person: DENNIS FEAGA
 Address: 1560 A-D CATON CENTER DRIVE
 City: BALTIMORE State: MD Zip Code: 21227
 License No.: 81215
 Phone: 410-984-5681 Fax: _____
 Email: _____

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

Utilities	
Electric:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Gas:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<u>Water Supply</u>	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
<u>Sewage Disposal</u>	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
<u>Heating System</u>	
<input type="checkbox"/> Electric <input type="checkbox"/> Oil	
<input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas	
<input type="checkbox"/> Other:	
<u>Sprinkler System:</u>	
<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.

MICHELLE CLANCY
 Applicant's Signature
MICHELLE@APPLIEDANDAPPROVED.COM
 Email Address
PERMITS
 Title/Company

MICHELLE CLANCY
 Print Name
8/31/18
 Date
AUG 31 2018
 RECEIVED
 LICENSES & PERMITS
 DIVISION

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>9/14/18</u>	<u>[Signature]</u>

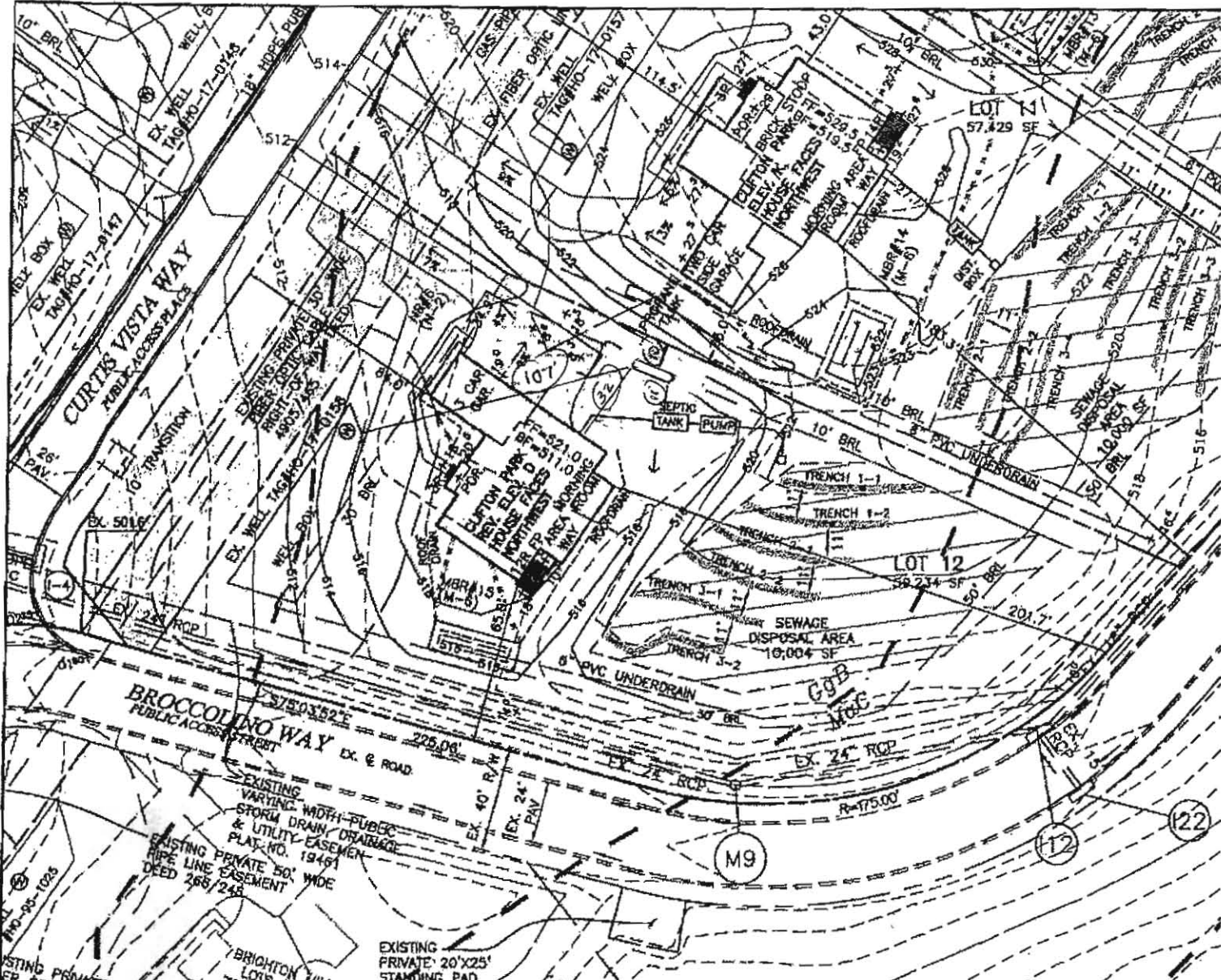
Is Sediment Control approval required for issuance? Yes No
 CONTINGENCY CONSTRUCTION START

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	\$ <u>170</u>
Tech Fee	\$ <u>70</u>
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$ <u>110.00</u>
Sub- Total Paid	\$
Balance Due	\$
Check	# <u>0282</u>

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

AK



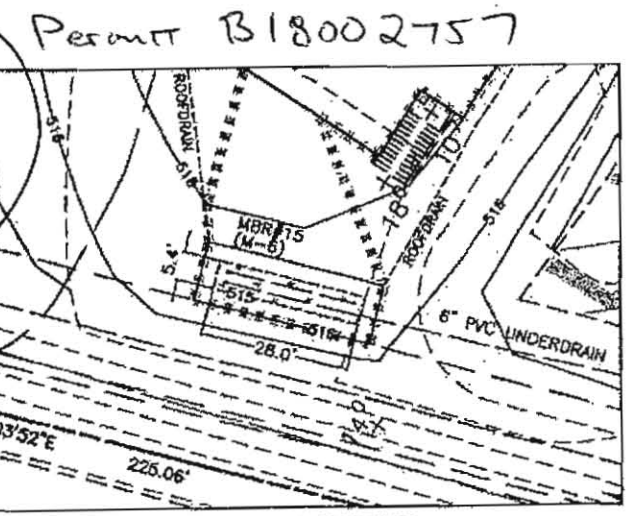
LEGEND

- SOILS CLASSIFICATION *G-gC*
- SOILS DELINEATION
- PROPOSED CONTOURS
- EXISTING CONTOURS
- LIMIT OF WETLANDS
- EXISTING WOODS LINE
- PROPOSED WOODS LINE
- EXISTING STRUCTURE
- EXISTING WELL
- EXISTING WELL BOX
- EXISTING SEWAGE DISPOSAL AREA
- EXISTING PRIVATE PIPE LINE EASEMENT AREA
- SWM DRAINAGE AREA

BUILDING PERMIT PLAN NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR BRIGHTON MILL II, PLAT No. 24468-24474. REFER TO THE PLATS FOR LOT DIMENSIONS, LOT AREAS. ALL EASEMENTS AND CONDITIONS, SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION
2. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS AND TOPOGRAPHIC INFORMATION PROVIDED BY F-17-054, ON OR ABOUT MAY, 2017.
3. 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 ROAD CONSTRUCTION PLANS, EXCEPT AS WAVED.
5. THE EXISTING WELL SHOWN ON THIS PLAN, HO-17-0158, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC., AND IS ACCURATELY SHOWN.
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 NON-ROOFTOP DISCONNECTIONS AND ONE MICRO-BIORETENTION FACILITY. 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.
10. FOR DEVELOPMENT LANDSCAPING SEE ROAD CONSTRUCTION PLAN P-17-054.

Approved for UPT
 B18003137
 R-R 9/14/18
 PLAN VIEW
 1" = 60'



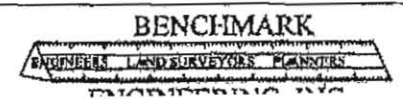
MBR-15 (M-6) DETAIL
 1" = 30'

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. 41577, Expiration Date: 06-08-2020.



Practices	#	inches DA to practice	Imp Area to practice	0.22 inches A1 (e.t.)			0.19 inches Rev			Ownership	
				Required	Provided	2% DA?	Required	Provided	Ps Provided		
(M-6) MicroBioretention	#3	4,587	3,413	91	150	PASS	330	352	1.2	84	Private
(N-2) Non-Rooftop Disconnect	#6	1,999	1,125					54	1.0	84	Private
(N-2) Non-Rooftop Disconnect	#7	1,300	635					48	1.0	48	Private
Total Treated		4,587	3,413	91	150		424	484	1.4	92	84
Site Total		22,093	3,450								

BUILDER: MV HOMES, INC. 6720 PATRYNEWOOD DRIVE
OWNER: HIGHLAND DEVELOPMENT CORP



PROJECT: BRIGHTON MILL II LOT 12
LOCATION: TAX MAP: 34, GRID: 2, PARCEL: 16 ZONED: RR-DEO 13602 CURTIS VISTA WAY CLARKSVILLE, MD. 21029 FIFTH ELECTION DISTRICT, HOWARD COUNTY, MD, TAX ID #05-600593
TITLE: BUILDING PERMIT PLAN
HOUSE TYPE: CLIFTON PARK - ELEVATION D



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: 8/1/18

Permit No.: B18002757

Building Address: 13602 Curtis Vista Way
 City: Clarksuite State: MD Zip Code: 21029
 Sulte/Apt. # _____ SDP/WP/BA #: _____
 Census Tract: _____ Subdivision: Brighton Mill
 Section: _____ Area: _____ Lot: 12
 Tax Map: _____ Parcel: _____ Grid: _____
 Zoning: _____ Map Coordinates: _____ Lot Size: _____

Existing Use: Vacant lot
 Proposed Use: Single family home
 Estimated Construction Cost: \$ 250,000
 Description of Work: New 2 story "Cliffon Peak II" with 3 car garage, morning room, sitting area, Basement 1st floor, ad finished lower level (Rec rm, Bath, office, closet, media, storage, ad exercise rm)
 Occupant of Tenant: _____
 Was tenant space previously occupied? Yes No
 Contact Name: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Property Owner's Name: NVR Inc
 Address: 9720 Patuxent Woods Drive
 City: Columbia State: MD Zip Code: 21046
 Phone: 410-379-5956 Fax: _____
 Email: _____

Applicant's Name & Mailing Address, (If other than stated herein)
 Applicant's Name: Decatur Building Services
 Address: PO Box 552
 City: Woodbine State: MD Zip Code: 21797
 Phone: 443-309-7792 Fax: _____
 Email: Jim@DecaturbuildingServices.com

Contractor Company: NV Homes
 Contact Person: Clat Cagle
 Address: 9720 Patuxent Woods Drive
 City: Columbia State: MD Zip Code: 21046
 License No.: 56
 Phone: 410-379-5956 Fax: _____
 Email: CCagle@NVRInc.com

Engineer/Architect Company: _____
 Responsible Design Prof.: _____
 Address: _____
 City: _____ State: AB Code 1 2018
 Phone: _____ Fax: _____
 Email: _____
LICENSES & PERMITS DIVISION

Commercial Building Characteristics	Residential Building Characteristics
Height:	<input checked="" type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse
No. of stories:	Depth Width
Gross area, sq. ft./floor:	1 st floor: <u>68 x 60</u>
Area of construction (sq. ft.):	2 nd floor: <u>52 x 60</u>
Use group:	Basement: <u>68 x 60</u>
Construction type:	<input checked="" type="checkbox"/> Finished Basement
<input type="checkbox"/> Reinforced Concrete	<input type="checkbox"/> Unfinished Basement
<input type="checkbox"/> Structural Steel	<input type="checkbox"/> Crawl Space
<input type="checkbox"/> Masonry	<input type="checkbox"/> Slab on Grade
<input type="checkbox"/> Wood Frame	No. of Bedrooms: <u>5</u>
<input type="checkbox"/> State Certified Modular	Multi-family Dwelling
<input type="checkbox"/> Roadside Tree Project Permit	No. of efficiency units:
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	No. of 1 BR units:
Roadside Tree Project Permit #	No. of 2 BR units:
	No. of 3 BR units:
	Other Structure:
	Dimensions:
	Footings:
	Roof:
	<input type="checkbox"/> State Certified Modular
	<input type="checkbox"/> Manufactured Home

Utilities	
Water Supply	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Sewage Disposal	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Electric: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gas: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Heating System	
<input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Grading Permit Number: <u>6180001910</u>	
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 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.

Jim Kerwin
 Applicant's Signature
Jim@DecaturbuildingServices.com
 Email Address
AGENT NV Homes
 Title/Company

Jim Kerwin
 Print Name
7/31/2018
 Date

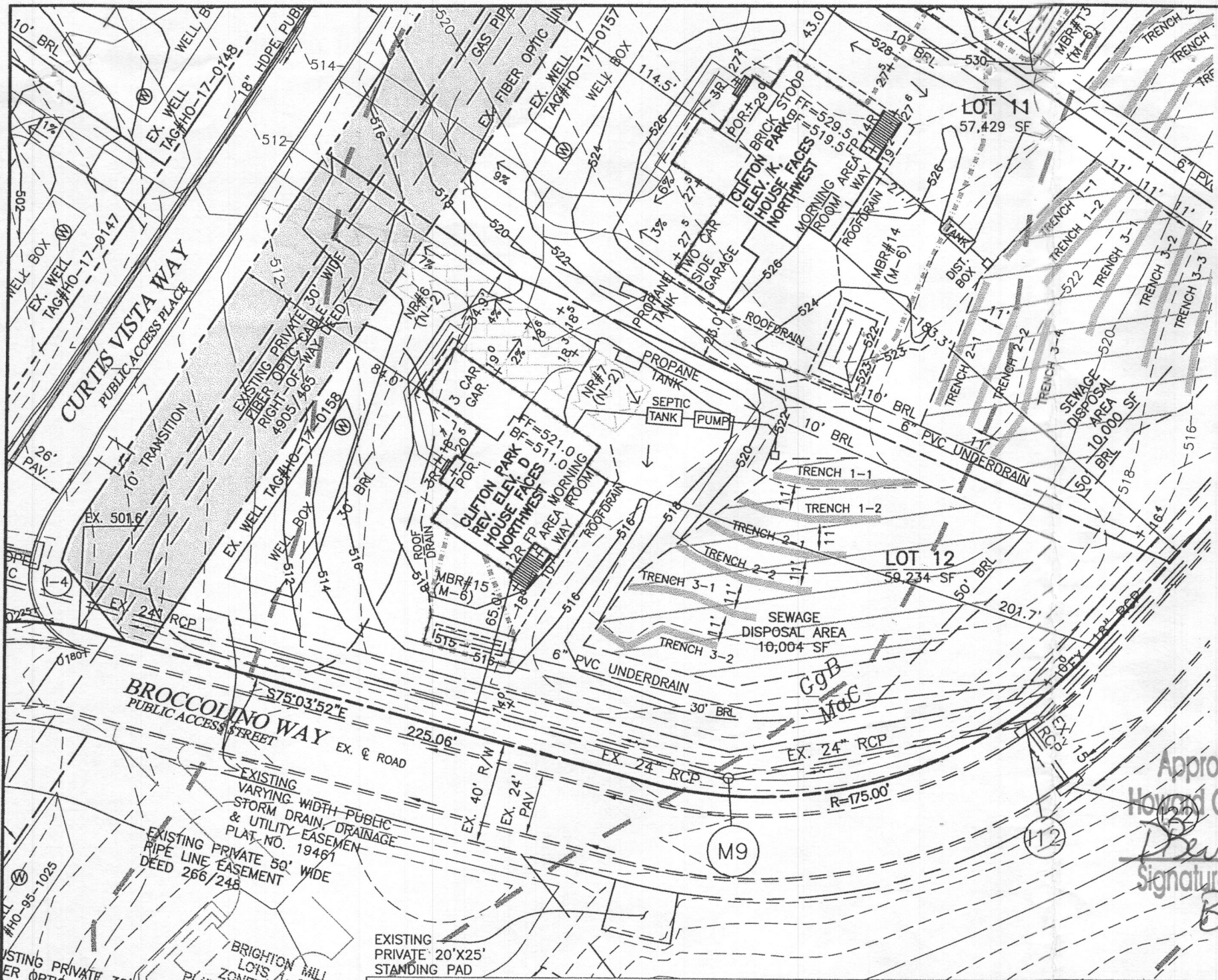
Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY
 PLEASE WRITE NEATLY & LEGIBLY
 -FOR OFFICE USE ONLY-

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>8-31-18 Bernard</u>

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 Permt 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>100</u>
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$ <u>50</u>
Add'l per Fee	\$
Total Fees	\$
Sub-Total Paid	\$
Balance Due	\$
Check	# <u>177333</u>



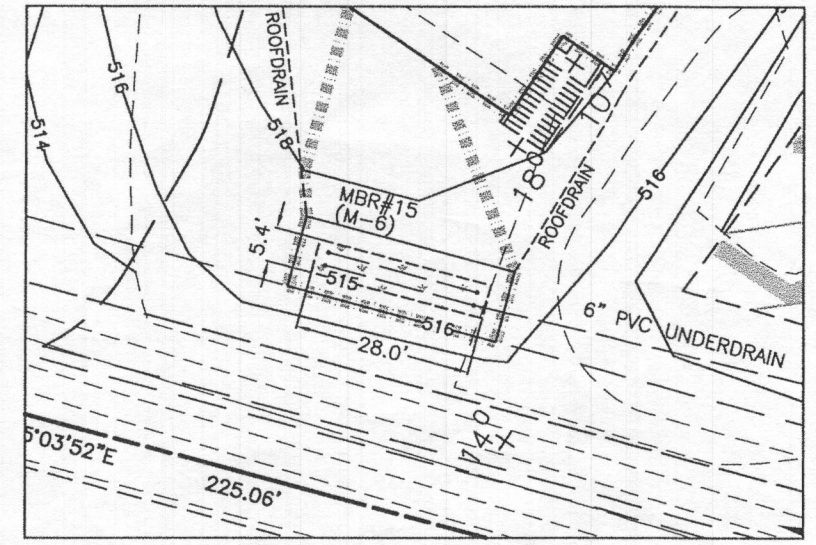
LEGEND

- SOILS CLASSIFICATION *GgC*
- SOILS DELINEATION
- PROPOSED CONTOURS 480, 478
- EXISTING CONTOURS 480, 478
- LIMIT OF WETLANDS
- EXISTING WOODS LINE
- PROPOSED WOODS LINE
- EXISTING STRUCTURE
- EXISTING WELL
- EXISTING WELL BOX
- EXISTING SEWAGE DISPOSAL AREA
- EXISTING PRIVATE PIPE LINE EASEMENT AREA
- SWM DRAINAGE AREA

BUILDING PERMIT PLAN NOTES:

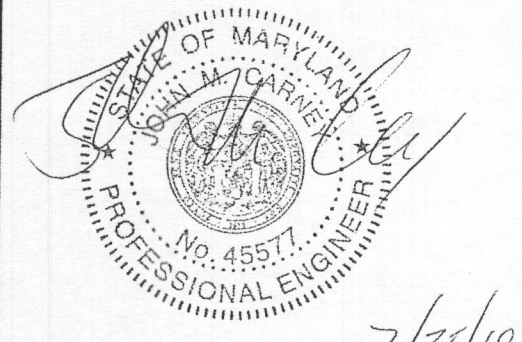
1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR BRIGHTON MILL II, PLAT Nos. 24469-24474. REFER TO THE PLATS FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND CONDITIONS.
2. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION
3. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS AND TOPOGRAPHIC INFORMATION PROVIDED BY F-17-054, ON OR ABOUT MAY, 2017.
4. 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.
5. ALL DRAINAGE AND STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED ROAD CONSTRUCTION PLANS EXCEPT AS WAIVED.
6. THE EXISTING WELL SHOWN ON THIS PLAN, HO-17-0158, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC., AND IS ACCURATELY SHOWN.
7. THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
8. ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA OR WELL BOX SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
9. STORMWATER MANAGEMENT FOR THIS LOT WAS DESIGNED AND PROVIDED BY TWO NON-ROOFTOP DISCONNECTIONS AND ONE MICRO-BIORETENTION FACILITY. MICRO-BIORETENTION SHALL HAVE EITHER A 4" OR 6" ROOF LEADER DEPENDING ON ROOF-TOP AREA.
10. THE SEPTIC TANK WILL HAVE A 2000 GALLON 2 COMPARTMENT TANK.
11. FOR DEVELOPMENT LANDSCAPING SEE ROAD CONSTRUCTION PLAN F-17-054.

Approved **PLAN REVIEW**
 Howard County Health Department
DeWard 8-23-18
 Signature Date
 B18882751



MBR-15 (M-6) DETAIL
 1" = 30'

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: 06-08-2020.



Practice	#	DA to practice	Imp Area to practice	Qe= 0.22 inches			ESDv= 424 cf			Rv= 0.19			Ownership
				Required	Provided	2% DA?	Required	Provided	Pe Provided	Required	Provided		
(M-6) MicroBioretention	#3	4,567	3,413	91	150	PASS	330	352	1.2		84	Private	
(N-2) Non-Rooftop Disconnect	#6	1,999	1,125					84	1.0		84	Private	
(N-2) Non-Rooftop Disconnect	#7	1,300	635					48	1.0		48	Private	
Total Treated		→ 4,567	3,413	91	150		424	484	1.4	92	84		
Site Total		→ 22,693	3,450										

BUILDER:
 NV HOMES, INC.
 9720 PATUXENT WOODS DRIVE
 SUITE 100
 COLUMBIA, MD 21046
 410-379-5956

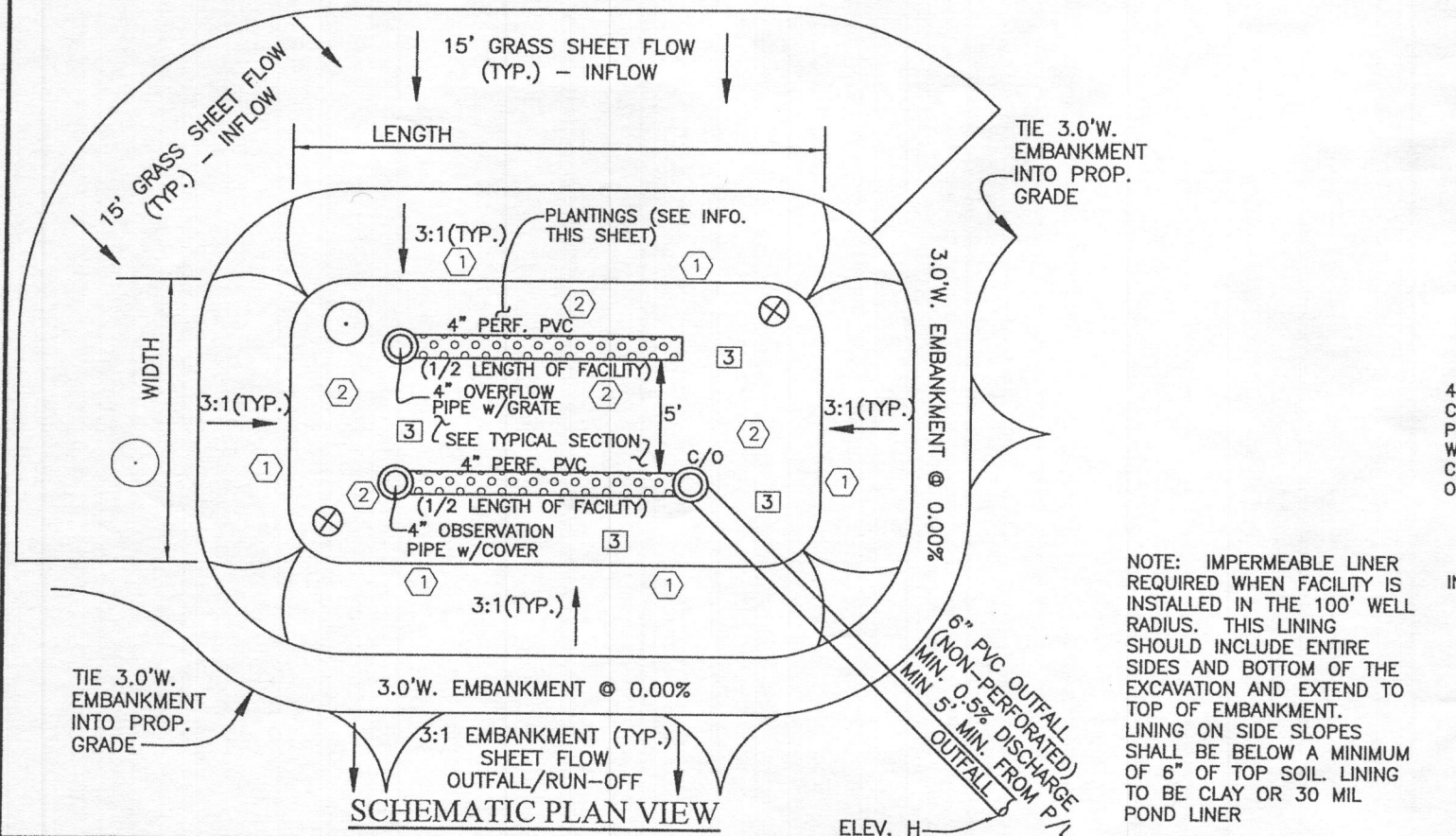
OWNER:
 HIGHLAND DEVELOPMENT CORP
 P.O. BOX 228
 CLARKSVILLE, MARYLAND 21029
 410-365-0414

BENCHMARK
 ENGINEERS LAND SURVEYORS PLANNERS
ENGINEERING, INC.
 8480 BALTIMORE NATIONAL PIKE SUITE 315
 ELLICOTT CITY, MARYLAND 21043
 (P) 410-465-6105 (F) 410-465-6644
 WWW.BEI-CMLENGINEERING.COM

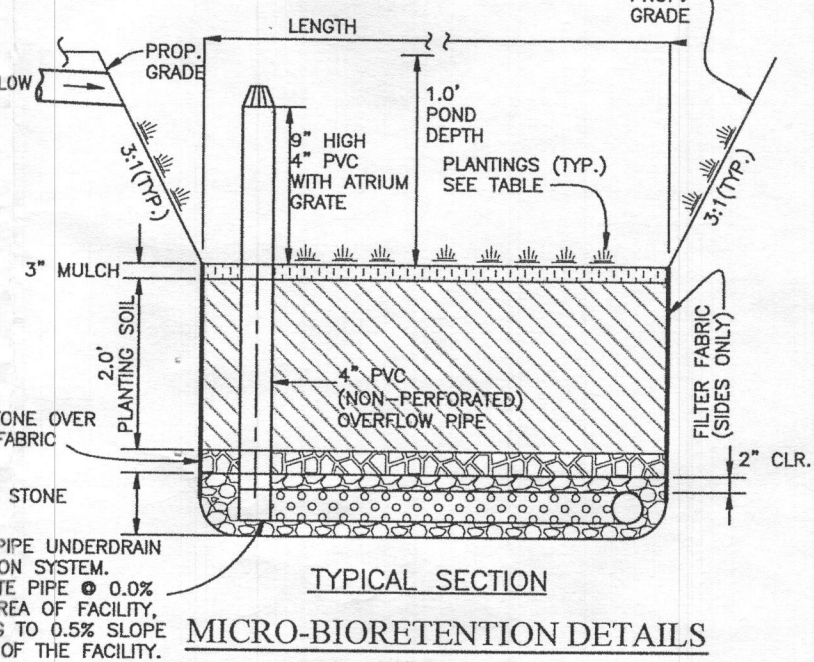
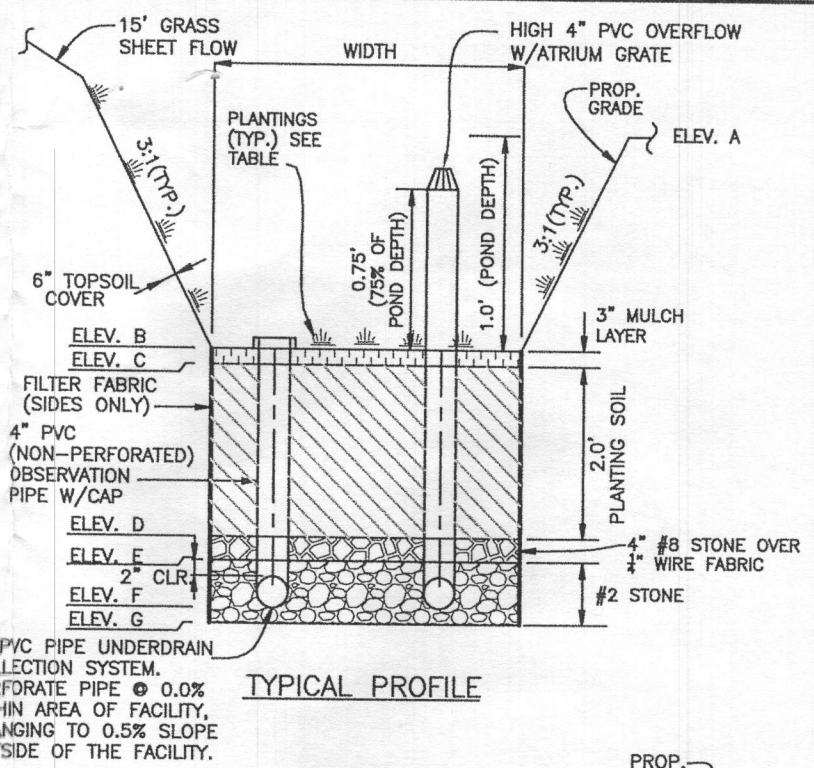
PROJECT: BRIGHTON MILL II LOT 12	
LOCATION: TAX MAP: 34, GRID: 2, PARCEL: 16 ZONED: RR-DEO 13602 CURTIS VISTA WAY CLARKSVILLE, MD 21029 FIFTH ELECTION DISTRICT, HOWARD COUNTY, MD, TAX ID #05-600593	
TITLE: BUILDING PERMIT PLAN	
HOUSE TYPE: CLIFTON PARK - ELEVATION D	
DATE: JULY, 2018	PROJECT NO.: 2627
SCALE: AS SHOWN	DRAWING 1 OF 2

ON-LOT BIORETENTION DIMENSIONS

FACILITY	PLANTINGS								LENGTH	WIDTH	FILTER (Af)	PLANTINGS			LINER
	A	B	C	D	E	F	G	H				1	2	3	
MBR-15	516.00	515.00	514.75	512.75	512.25	511.75	510.35	501.90	28.0	5.4	150	36	33	17	YES



NOTE: IMPERMEABLE LINER REQUIRED WHEN FACILITY IS INSTALLED IN THE 100' WELL RADIUS. THIS LINING SHOULD INCLUDE ENTIRE SIDES AND BOTTOM OF THE EXCAVATION AND EXTEND TO TOP OF EMBANKMENT. LINING ON SIDE SLOPES SHALL BE BELOW A MINIMUM OF 6" OF TOP SOIL. LINING TO BE CLAY OR 30 MIL POND LINER



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	F758, 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)
- 1 IRIS FULVA (COPPER IRIS)
 - 2 LOBELIA CARDINALIS (CARDINAL FLOWER)
 - 3 RUDBECKIA SUBTOMENTOSA (SWEET CONEFLOWER)
 - ⊗ CALLUNA VULGARIS (HEATHER) (1 PER FACILITY)
 - ACER GINNALA (ARMUR MAPLE) (1 PER FACILITY)

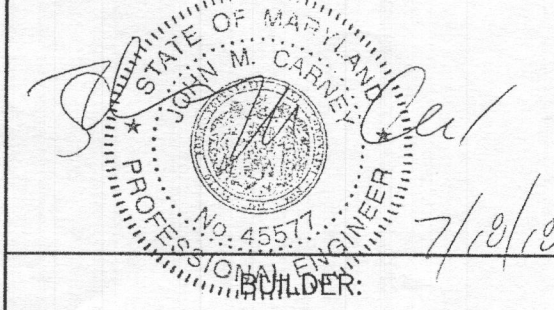
MICROBIORETENTION PLANTING DATA

- 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.

OPERATION AND MAINTENANCE SCHEDULE FOR MICRO-BIORETENTION (M-6)

FOR THE OPERATION AND MAINTENANCE OBLIGATIONS AND SCHEDULE, REFER TO THE DECLARATION OF COVENANTS RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY MARYLAND FOR THIS LOT.

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: 06-08-2020.



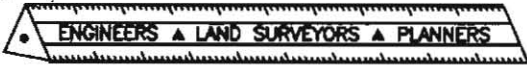
Builder:
 NV HOMES, INC.
 9720 PATUXENT WOODS DRIVE
 SUITE 100
 COLUMBIA, MD 21046
 410-379-5956

Owner:
 HIGHLAND DEVELOPMENT CORP
 P.O. BOX 228
 CLARKSVILLE, MARYLAND 21029
 410-365-0414

BENCHMARK
 ENGINEERS LAND SURVEYORS PLANNERS
 ENGINEERING, INC.
 8480 BALTIMORE NATIONAL PIKE SUITE 315
 ELLICOTT CITY, MARYLAND 21043
 (P) 410-465-6105 (F) 410-465-6644
 WWW.BEI-CMLENGINEERING.COM

PROJECT:	BRIGHTON MILL II LOT 12		
LOCATION:	TAX MAP: 34, GRID: 2, PARCEL: 16 ZONED: RR-DEO 13602 CURTIS VISTA WAY CLARKSVILLE, MD 21029 FIFTH ELECTION DISTRICT, HOWARD COUNTY, MD, TAX ID #05-600593		
TITLE:	BUILDING PERMIT PLAN		
HOUSE TYPE:	CLIFTON PARK - ELEVATION D		
DATE:	JULY, 2018	PROJECT NO.	2627
SCALE:	AS SHOWN	DRAWING	2 OF 2

BENCHMARK



ENGINEERING, INC.

8480 Baltimore National Pike • Suite 315 • Ellicott City, Maryland 21043
410-465-6105 410-465-6644 (Fax)

LETTER OF TRANSMITTAL

DATE	7/11/18	PROJECT No.	2627
ATTENTION	Dawn Bernard		
RE:	Brighton Mill Lots 2, 3, & 11		
OSDS Permit Plans			

TO: Health Dept

WE ARE SENDING YOU Attached Under separate cover via _____ the following items

Photocopies Prints Originals Samples
 Specifications Invoices Change Order Other _____

COPIES of	No. of SHEETS	DESCRIPTION
3	2	OSDS Permit Plan Lot 2
3	2	OSDS Permit Plan Lot 3
3	2	OSDS Permit Plan Lot 11

THESE ARE TRANSMITTED as checked below

For Comment For your use For Approval
 For Review As requested Other _____

Response to 6/28/18 email:

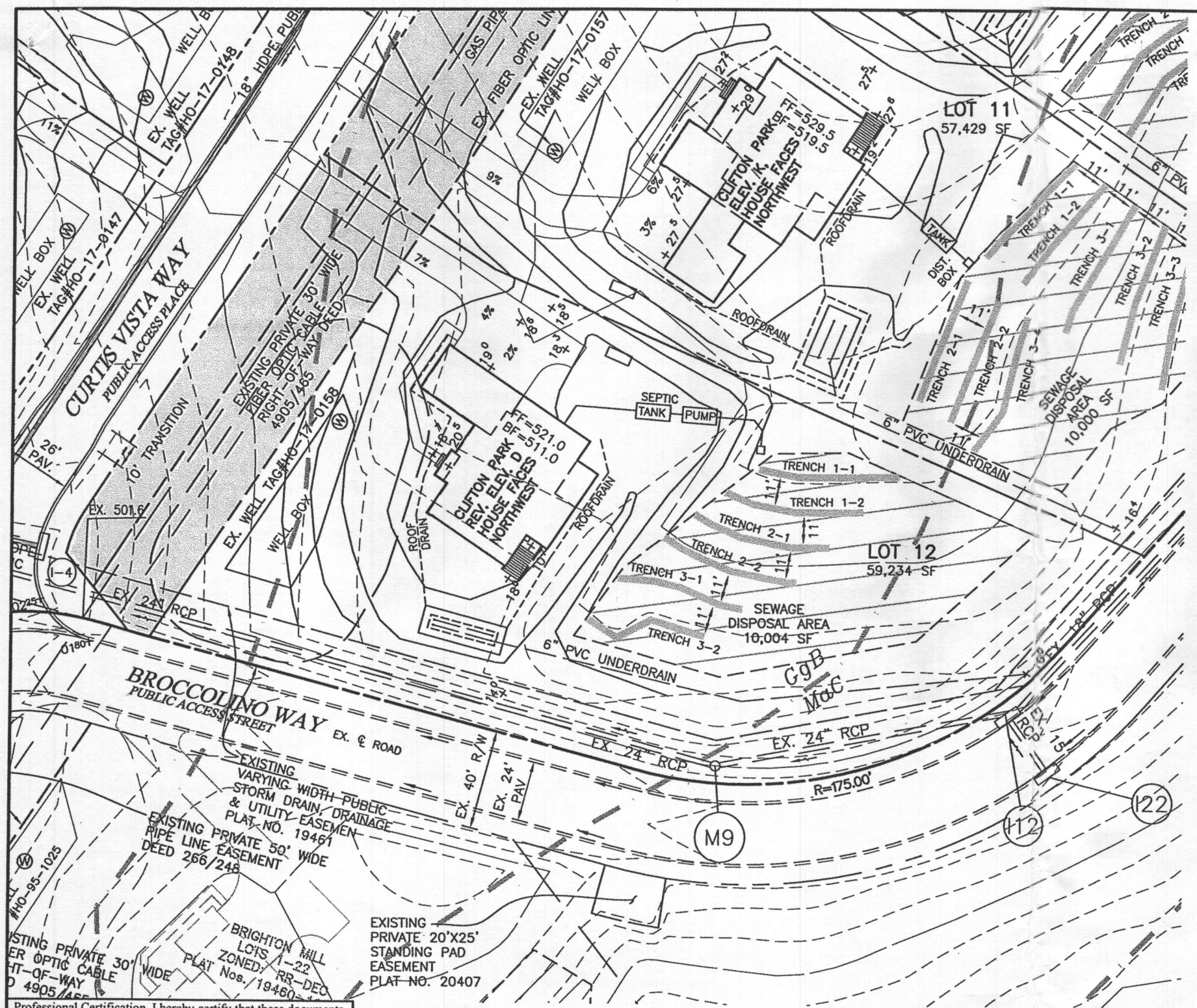
REMARKS: Lot 2: Three systems are shown. The best layout is shown. Cover over tank has been revised to be 3.0' or less. Other cover & slope requirements are met. Lot 3 and 11: Three systems are now shown. The best layout is now shown.

COPY TO: _____

RECEIVED BY: _____

SIGNED: John Carney

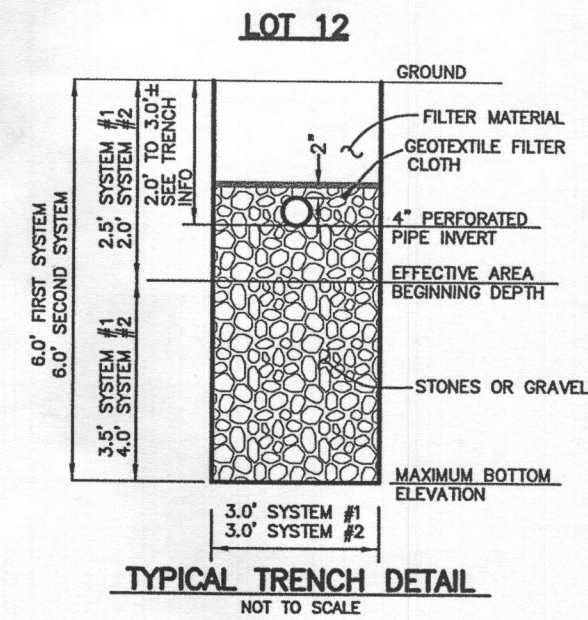
If enclosures are not as noted, kindly notify us at once.



LEGEND

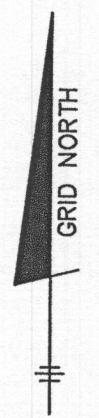
SOILS CLASSIFICATION	GgC
SOILS DELINEATION	—
PROPOSED CONTOURS	480 478
EXISTING CONTOURS	480 478
LIMIT OF WETLANDS	—
EXISTING WOODS LINE	—
PROPOSED WOODS LINE	—
EXISTING STRUCTURE	—
EXISTING WELL	⊙
EXISTING WELL BOX	□
EXISTING SEWAGE DISPOSAL AREA	—

- ONSITE SEWAGE DISPOSAL PLAN NOTES:**
1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR BRIGHTON MILL II, PLAT Nos. 24469-24474. 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-17-054, ON OR ABOUT MAY, 2017.
 4. 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.
 5. ALL DRAINAGE AND STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED ROAD CONSTRUCTION PLANS EXCEPT AS WAIVED.
 6. THE EXISTING WELL SHOWN ON THIS PLAN, HO-17-0158, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC., AND IS ACCURATELY SHOWN.
 7. THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
 8. ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA OR WELL BOX SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 9. STORMWATER MANAGEMENT FOR THIS LOT WAS DESIGNED AND PROVIDED BY TWO NON-ROOFTOP DISCONNECTIONS AND ONE MICRO-BIORETENTION FACILITY. MICRO-BIORETENTION SHALL HAVE EITHER A 4" OR 6" ROOF LEADER DEPENDING ON ROOF-TOP AREA.
 10. THE SEPTIC TANK WILL HAVE A 2000 GALLON 2 COMPARTMENT TANK.
 11. FOR DEVELOPMENT LANDSCAPING SEE ROAD CONSTRUCTION PLAN F-17-054.



Approved Septic System Plan
 Howard County Health Department
Dana Bernard 8-23-18
 Signature Date
 1818002757

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: 06-08-2020.



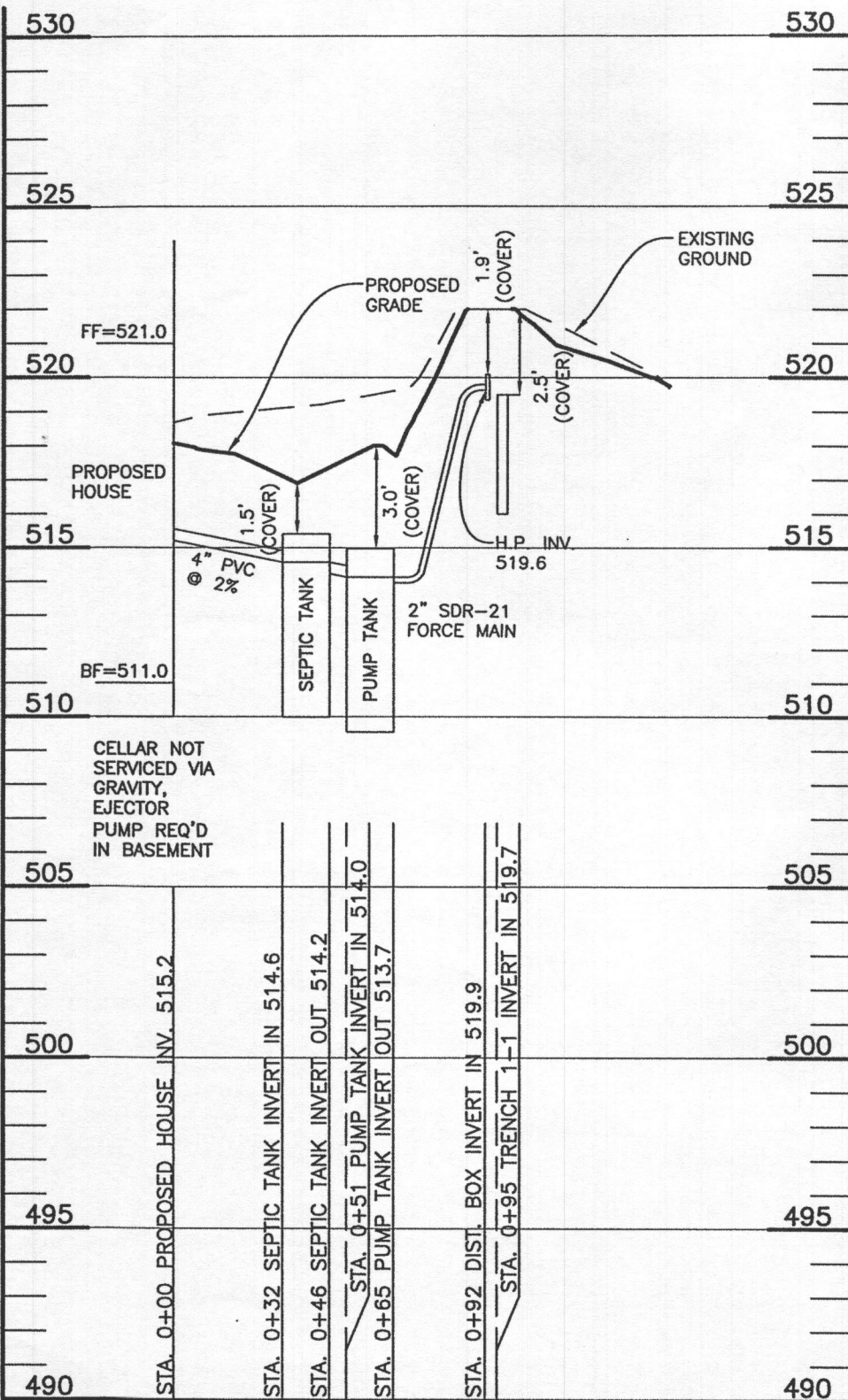
PLAN VIEW
1" = 50'

BUILDER: NV HOMES, INC. 9720 PATUXENT WOODS DRIVE SUITE 100 COLUMBIA, MD 21046 410-379-5956	OWNER: HIGHLAND DEVELOPMENT CORP P.O. BOX 228 CLARKSVILLE, MARYLAND 21029 410-365-0414	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-CVLENGINEERING.COM
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PROJECT: BRIGHTON MILL II LOT 12	
LOCATION: TAX MAP: 34, GRID: 2, PARCEL: 16 ZONED: RR-DEO 13602 CURTIS VISTA WAY CLARKSVILLE, MD 21029 FIFTH ELECTION DISTRICT, HOWARD COUNTY, MD, TAX ID #05-600593	
TITLE: ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN	
HOUSE TYPE: CLIFTON PARK - ELEVATION D	
DATE: JULY, 2018	PROJECT NO. 2627
SCALE: AS SHOWN	DRAWING 1 OF 3

HEALTH DEPARTMENT SPEC SHEET INFORMATION - LOT 12			
System	Application Rate	Effective Depth	Bottom Depth
Initial	1.2	2.5	6.0
1st Replacement	1.2	2.0	6.0
2nd Replacement	1.2	2.0	6.0

Note: A pump to distribution system likely required



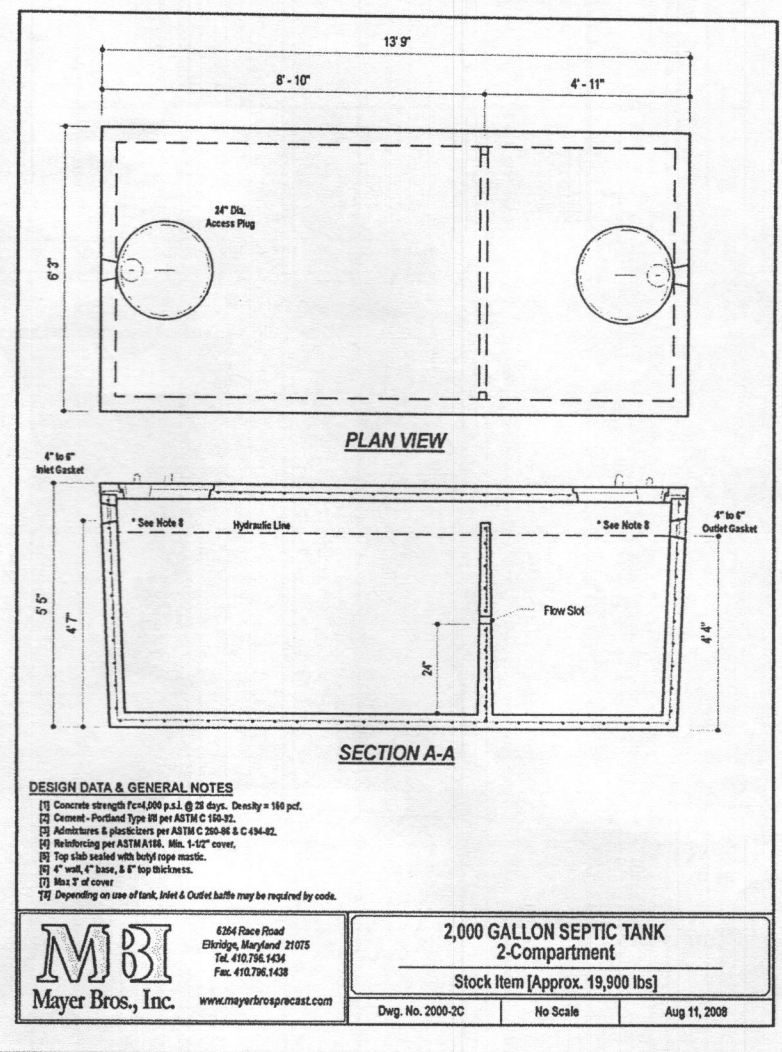
LOT 12 SEPTIC PROFILE
SCALE: 1"=50' HORIZ., 1"=5' VERT.

INITIAL SYSTEM - Lot 12		
Number of Bedrooms	6	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	2.5	ft
Bottom Max Depth	6.0	ft
Design Flow	900	gpd
Drainage Field square footage	750	sf
Sidewall Reduction Credit	0.45	
Trench width	3	ft
Effective Area Depth	3.5	ft
Trench Spacing	10	ft
Linear Length of trench Required	114	lf

1st REPLACEMENT SYSTEM		
Number of Bedrooms	6	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	2.0	ft
Bottom Max Depth	6.0	ft
Design Flow	900	gpd
Drainage Field square footage	750	sf
Sidewall Reduction Credit	0.42	
Trench width	3	ft
Effective Area Depth	4	ft
Trench Spacing	11	ft
Linear Length of trench Required	104	lf

2nd REPLACEMENT SYSTEM		
Number of Bedrooms	6	
Application Rate	1.2	gpd/sf
Effective Area Beginning Depth	2.0	ft
Bottom Max Depth	6.0	ft
Design Flow	900	gpd
Drainage Field square footage	750	sf
Sidewall Reduction Credit	0.42	
Trench width	3	ft
Effective Area Depth	4	ft
Trench Spacing	11	ft
Linear Length of trench Required	104	lf

TRENCH DATA - LOT 12					
INITIAL SYSTEM		FIRST REPLACEMENT		SECOND REPLACEMENT	
TRENCH 1-1	LENGTH 56.9 ft	TRENCH 2-1	LENGTH 52.1 ft	TRENCH 3-1	LENGTH 52.1 ft
	GROUND ELEVATION 522.2		GROUND ELEVATION 520.6		GROUND ELEVATION 518.7
	INVERT ELEVATION 519.7		INVERT ELEVATION 518.6		INVERT ELEVATION 516.7
	MAX BOTTOM ELEVATION 516.2		MAX BOTTOM ELEVATION 514.6		MAX BOTTOM ELEVATION 512.7
TRENCH 1-2	LENGTH 56.9 ft	TRENCH 2-2	LENGTH 52.1 ft	TRENCH 3-2	LENGTH 52.1 ft
	GROUND ELEVATION 521.3		GROUND ELEVATION 519.8		GROUND ELEVATION 517.8
	INVERT ELEVATION 518.8		INVERT ELEVATION 517.8		INVERT ELEVATION 515.8
	MAX BOTTOM ELEVATION 515.3		MAX BOTTOM ELEVATION 513.8		MAX BOTTOM ELEVATION 511.8



DESIGN DATA & GENERAL NOTES
 [1] Concrete strength: Fc=4000 p.s.i. @ 28 days. Density = 140 pcf.
 [2] Cement - Portland Type III per ASTM C 150-92.
 [3] Admixtures & plasticizers per ASTM C 780-98 & C 494-02.
 [4] Reinforcing per ASTM A108. Min. 1-1/2" cover.
 [5] Top slab sealed with butyl rope mastic.
 [6] 4" wall, 4" base, & 6" top thickness.
 [7] Max 7' of cover.
 [8] Depending on use of tank, Inlet & Outlet baffles may be required by code.

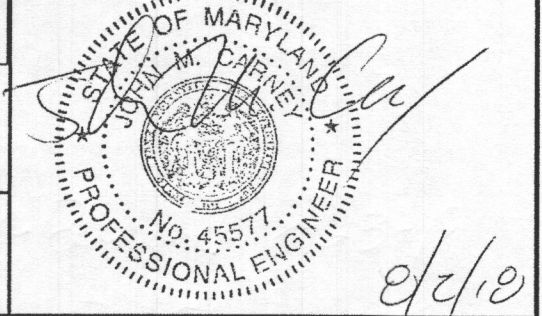
MBI
Mayer Bros., Inc.
6304 Race Road
Elkridge, Maryland 21075
Tel. 410.796.1434
Fax. 410.796.1438
www.mayerbrosprecast.com

2,000 GALLON SEPTIC TANK
2-Compartment
Stock Item [Approx. 19,900 lbs]
Dwg. No. 2000-2C No Scale Aug 11, 2008

SEPTIC INVERT CHART - LOT 12	
INV @ HOUSE	515.2
GROUND @ HOUSE	518.0
INV IN SEPTIC TANK	514.6
INV OUT SEPTIC TANK	514.2
TOP OF SEPTIC TANK	515.4
GROUND OVER SEPTIC TANK	516.9
INV IN PUMP TANK	514.0
INV OUT PUMP TANK	513.7
TOP OF PUMP TANK	514.8
GROUND OVER PUMP TANK	517.8
INV IN DIST BOX	519.7
INV OUT DIST BOX	519.6
GROUND AT DIST BOX	522.0

THIS PLAN IS FOR SEPTIC DESIGN ONLY

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: 06-08-2020.



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WWW.BEI-CVILENGINEERING.COM

SEE MANUFACTURERS SPECIFICATIONS FOR DETAILS. WWW.MAYERPRECAST.COM EQUIVALENT FROM OTHER MANUFACTURERS CAN BE SUBSTITUTED.

SIGNATURE AND SEAL ARE FOR SEPTIC PROFILE AND CALCULATIONS ONLY, TANK AND DETAILS WERE NOT DESIGNED OR REVIEWED BY THE ENGINEER:

PROJECT:	BRIGHTON MILL II LOT 12	
LOCATION:	TAX MAP: 34, GRID: 2, PARCEL: 16 ZONED: RR-DEO 13602 CURTIS VISTA WAY CLARKSVILLE, MD 21029 FIFTH ELECTION DISTRICT, HOWARD COUNTY, MD, TAX ID #05-600593	
TITLE:	ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN	
HOUSE TYPE:	CLIFTON PARK - ELEVATION D	
DATE:	JULY, 2018	PROJECT NO. 2627
SCALE:	AS SHOWN	DRAWING 2 OF 3

BUILDER:
NV HOMES, INC.
9720 PATUXENT WOODS DR.
SUITE 100
COLUMBIA, MD 21046
410-379-5956

OWNER:
HIGHLAND DEVELOPMENT CORP
P.O. BOX 228
CLARKSVILLE, MARYLAND 21029
410-365-0414

Pumping Station

Diameter of Force Main and Manifold = 2 of SDR 21 pipe
 Length of Force Main = 47 feet SDR 21 gallons/100 feet = 18.8 Table 4.2

Volume of Main = 8.9 gallons ID = 2.149
 length = 100 gallon/sq ft 7.480519

Total Volume = 8.9 gallons volume = 18.84222 gal/100 lf

Minimum Dose must be greater than 1/6 of the design flow 150 gallons

Minimum Dose must be greater than the volume of the main 9 gallons

Use minimum dose of 125 gallons not okay Doses per Day = 7.2

Size Pump Chamber

Pump chamber must be able to hold one dose and one days design flow

One day Capacity = 900 gallons
 Dose = 125 gallons
 Totals = 1025 gallons

Use 2,000 gallon pump tank

Tank Dimensions: Exterior Length: 13.75 feet Interior Length: 13.08 feet Walls: 0.33 feet
 Width: 6.25 feet Interior Width: 5.58 feet Bottom: 0.33 feet
 Height: 5.42 feet Interior Height: 4.67 feet Top: 0.42 feet
 Area: 73.05 sf Bottom to Inlet: 4.58 feet
 Volume: 341.14 cf

Sizing the Pump

Flow: runtime = 7 minutes
 rate = 17.86 gallons/minute

Design Head: Design Head = Static Head + Friction Head
 Static Head = highest elevation of main - pump off elevation
 Highest component of system = 519.60 Main HP
 Pump off elevation = 511.20
 Static Head = 8.40 feet

Friction Head = Head loss due to pipe friction
 2.0" pipe = 27 feet
 45° bends 2 loss for bend 8 feet per table 4.3
 Gate Valve 0 loss for tee 0 feet per table 4.3

Friction loss per table 4.4 = 0.61 (ft/100 ft)
 Equivalent Length = 35 Friction loss 0.21 feet
 Total Friction Head = 0.21
 Design Head = 8.61 feet

Pump Requirements:
 Performance = 17.86 gpm
 Head of Water = 8.61 feet of head

Pump Selection: Zoeller Pump Company Mighty-mate Series, Model 57/59
 1/3 horse power

Pump Flow Rate = 37.00 gallons/minute per rating curve
 TDH analysis 3.38 Minutes
 Between design and curve? Yes 9.20 ft

Design Pump Chamber

Ground over Tank = 517.80 Cover 3.0 ft
 Top of Tank = 514.80
 Invert of Tank = 509.71
 6" Riser = 0.50 feet
 Pump Height = 1.10 feet

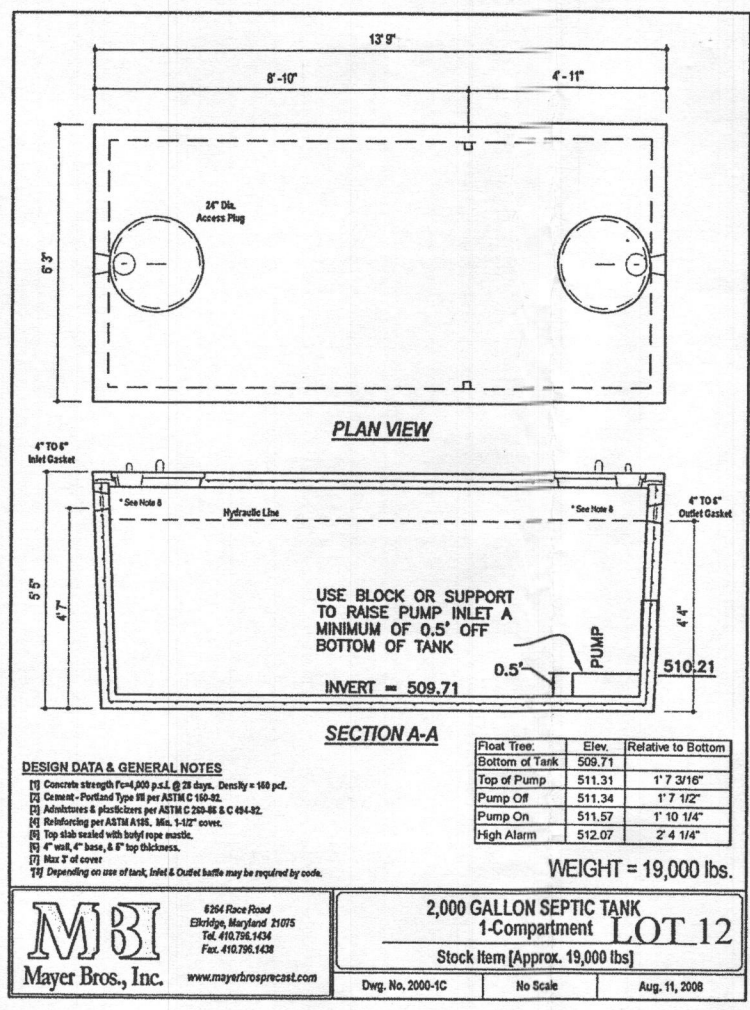
Min. Pump off = 511.31
 Selected Pump off = 511.34

Dose = 16.7 cf
 Area of Pit = 73.05 sf

Pump on dist. = 0.23
 Pump on Elev. = 511.57

Distance between Pump on and Highwater Alarm = 0.5 feet
 Highwater Alarm Elevation = 512.07

Dist. for a dose above alarm = 1.65
 Minimum Inlet Elev. = 513.72
 Tank Inlet = 513.96 Okay
 Dist. Alarm to Inlet = 1.89 Okay



Your Peace of Mind is Our Top Priority

ZOELLER PUMP COMPANY
 Zoeller Family of Water Solutions

TECHNICAL DATA SHEET MIGHTY-MATE SERIES
 Cast Iron Models 53, 57 and Bronze Models 55, 59
 Submersible Effluent / Dewatering Pumps

PRODUCT SPECIFICATIONS

MOTOR	Horse Power	3/10
	Voltage	115 or 230
	Phase	1 Ph
	Hertz	60 Hz
	RPM	1550
	Type	Shaded pole
	Insulation	Class B
	Amps	4.8 - 9.7
PUMP	Operation	Automatic or nonautomatic
	Auto On-Off Points	7.1/4" (18.4 cm) / 3" (7.6 cm)
	Discharge Size	1-1/2" NPT
	Solids Handling	1/2" (12 mm) spherical solids
	Cord Length	9' (3 m) automatic, 15' (5 m) nonautomatic
	Cord Type	UL listed, 3 wire, grounded plug
	Max. Head	19.25' (5.9 m)
	Max. Flow Rate	43 GPM (163 LPM)
	Max. Operating Temp.	120° F (54° C)
	Cooling	Oil filled
	Motor Protection	Auto reset thermal overload
MATERIALS	Cap	Cast iron or bronze
	Motor Housing	Cast iron or bronze
	Pump Housing	Cast iron or bronze
	Base	Cast iron, bronze or engineered thermoplastic
	Upper Bearing	Sleeve bearing
	Lower Bearing	Sleeve bearing
	Mechanical Seals	Carbon and ceramic
	Impeller Type	Non-clogging vortex
	Impeller	Plastic, cast iron or bronze
	Hardware	Stainless steel
	Motor Shaft	AISI 1215 cold rolled steel
	Gasket	Neoprene

NOTE: See model comparison chart for specific details.

TOTAL DYNAMIC HEAD FLOW PER MINUTE

MODEL	53/55/57/59			
Feet	Meters	Gal.	Liters	
5	1.5	43	163	
10	3.0	34	129	
15	4.6	19	72	
Shut-off Head:	19.25 ft (5.9m)			

USE N57 OR N59. CONTRACTOR MAY USE EQUIVALENT PUMP

PUMP PERFORMANCE CURVE
 MODELS 53/55/57/59

MODEL COMPARISON

Model	Seal	Mode	Volts	Ph	Amps	HP	Hertz	Lbs.	Kg	Simplex	Duplex
M53/M55	Single	Auto	115	1	9.7	3/10	60	23	10	1	---
N53/N55	Single	Non	115	1	9.7	3/10	60	23	10	2	3 & 4
* B53/5	Single	Auto	115	1	9.7	3/10	60	25	11	*	---
* B53/5ES7	Single	Auto	230	1	4.8	3/10	60	24/30	11/13	*	---
D53	Single	Auto	230	1	4.8	3/10	60	23	10	2	---
ES5/55	Single	Non	230	1	4.8	3/10	60	22	10	2	3 & 4
M57/M59	Single	Auto	115	1	9.7	3/10	60	29/33	13/15	1	---
N57/N59	Single	Non	115	1	9.7	3/10	60	29/29	12/13	2	3 & 4
* B57/7	Single	Auto	115	1	9.7	3/10	60	30	13	*	---
D57/59	Single	Auto	230	1	4.8	3/10	60	30/33	13/15	1	---
ES7/59	Single	Non	230	1	4.8	3/10	60	28/29	12/13	2	3 & 4
E59	Single	Non	230	1	4.8	3/10	60	29	13	2	3 & 4

* Single piggyback switch included.

SPECIAL MODEL FEATURES

Additional cord lengths are available in 15' (5 m), 25' (8 m) and 35' (11 m). 50' (15 m) cord lengths available for 230 V units only. BE and BN models include a piggyback variable level pump switch.

Model 53: cast iron switch case, motor and pump housing, a plastic impeller and base. Model 57: all cast iron construction with a cast iron impeller. Model 55: bronze switch case, motor and pump housing, a plastic impeller and base. Model 59: bronze construction with a bronze impeller. Optional pump stand (P/N 10-2421).

SELECTION GUIDE

- Integral float-operated mechanical switch, no external control required.
- Single piggyback variable level float switch or double piggyback variable level float switch. Refer to FM0472.
- See FM0712 for correct model of Electrical Alternator.
- Variable level control switch 10-0743 used as a control activator with electrical alternator (3) or (4) float system.

OPTIONAL PUMP STAND P/N 10-2421

- Reduces potential clogging by debris
- Replaces rocks or bricks under the pump
- Made of durable, noncorrosive ABS
- Raises pump 2" (5 cm) off bottom of basin
- Provides the ability to raise intake by adding sections of 11" or 2" (DN40 or DN50) PVC piping
- Attaches securely to pump
- Accommodates surfs, dewatering and effluent applications
- NOTE: Make sure float is free from obstruction.

CAUTION All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).

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 502-778-2731 | 800-928-7887 | 3649 Cane Run Road | Louisville, KY 40211-1961 | www.zoeller.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: 06-08-2020.



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SEE MANUFACTURERS SPECIFICATIONS FOR DETAILS. WWW.MAYERPRECAST.COM EQUIVALENT FROM OTHER MANUFACTURERS CAN BE SUBSTITUTED.

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 SUITE 100
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BENCHMARK ENGINEERS, LAND SURVEYORS, PLANNERS

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 (P) 410-465-6105 (F) 410-465-6644
 WWW.BEI-CVILENGINEERING.COM

PROJECT: BRIGHTON MILL II LOT 12

LOCATION: TAX MAP: 34, GRID: 2, PARCEL: 16 ZONED: RR-DEO
 13602 CURTIS VISTA WAY
 CLARKSVILLE, MD 21029
 FIFTH ELECTION DISTRICT, HOWARD COUNTY, MD, TAX ID #05-600593

TITLE: ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN

HOUSE TYPE: CLIFTON PARK - ELEVATION D

DATE: JULY, 2018 **PROJECT NO.** 2627

SCALE: AS SHOWN **DRAWING** 3 OF 3

Bernard, Dana

From: Bernard, Dana
Sent: Wednesday, August 08, 2018 1:57 PM
To: John Carney
Subject: 13602 Curtis Vista Way

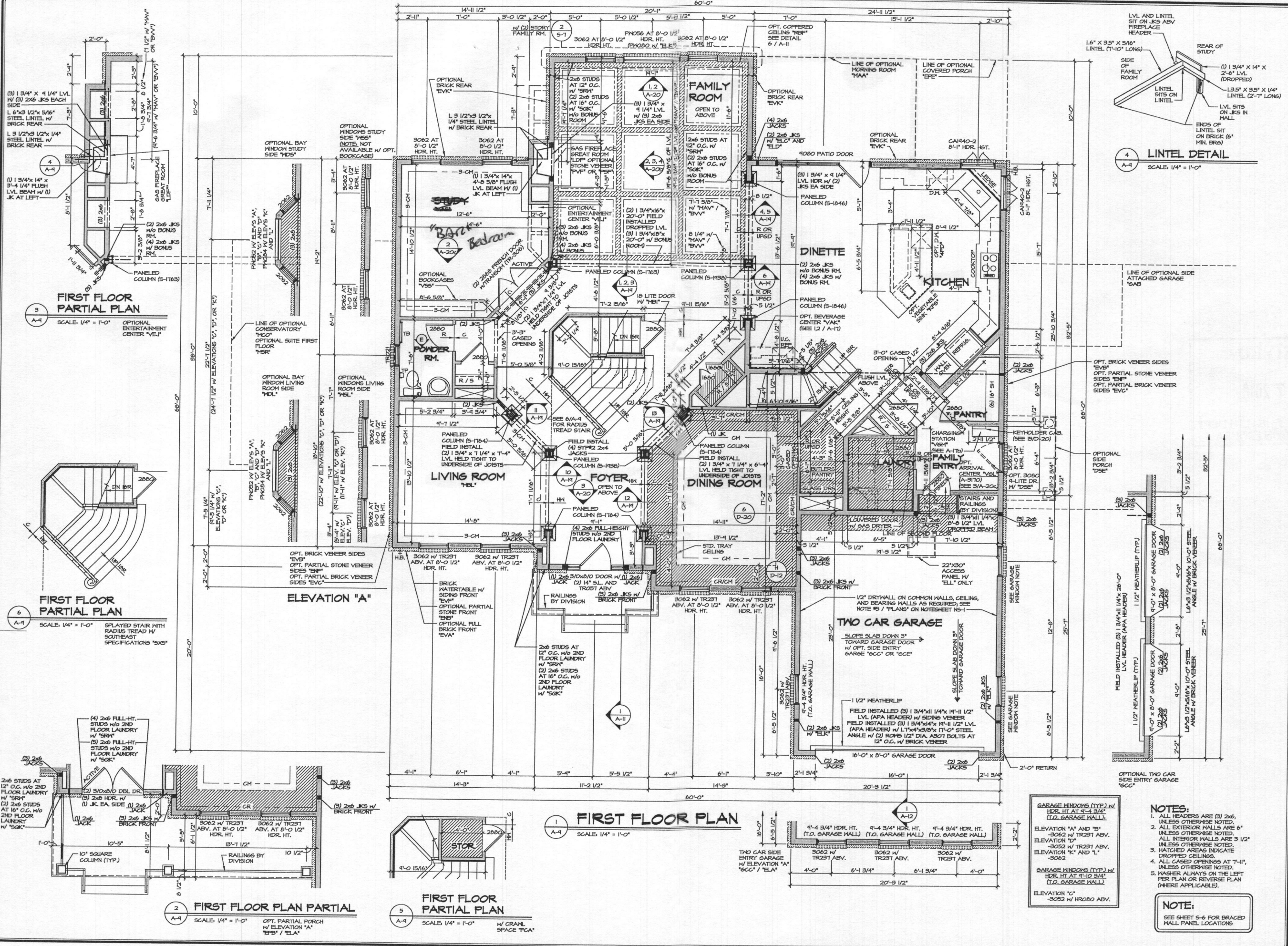
Hello John, I have received your building plan and the floor plans for this property. However, I have not received the revised OSDS plan. The plans you submitted is for a 4 bedroom house and the building plan show a six bedroom house. Also the submitted building application states 5 bedroom. Please submit supporting documents which all have the same number of bedrooms. These must match in order to process the permit.

Thank you & Have a*")

,,.,.,,*") ,,*")

(,.,. (,.,. * Wonderful Day !

Dana Bernard, R.E.H.S/L.E.H.S.
Environmental Specialist II
Bureau of Environmental Health
Well and Septic Program
Phone (410) 313-2775
E-mail: DBernard@howardcountymd.gov



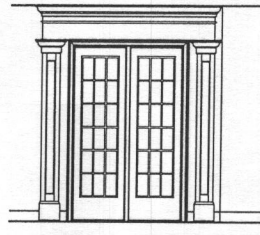
REV. NO.	DATE	REMARKS
20	7/16/15	ASIS - MOVED RIGHT REAR HOSE BIB TO SIDE (2404)
21	8/4/15	CL5 - REVISED FIREDOOR INTO GARAGE TO A 2000 (PAR ID 24829)
30	8/6/15	CL5 - REVISED CHASE BEHIND UTILITIES PANTRY TO BE 3" DEEPER (24530)
31	8/6/15	SP1 - REVISED E.E. "A" W/ 1" PBR FORCH COLUMNS TO SQUARE PER DR# 1102
32	9/16/15	SP5 - PAR REVISION - REVISED GARAGE SLAB HEIGHT
33	9/16/15	LS5 - ADDED JACKS FOR ELK GARAGE SIDING (PAR #1603)
34	12/16/15	SP5 - PAR M20M - REVISED FIREPLACES TO BE CENTERED ON COFFERED CEILING
35	2/10/16	LS1 - ADJUST WALL LOCATION AT KITCHEN SINK LEDGE
36	2/28/16	LS1 - MOVED REAR WALL OF LAUNDRY ROOM TO EXTEND BY 1 1/2" (PAR W0005)

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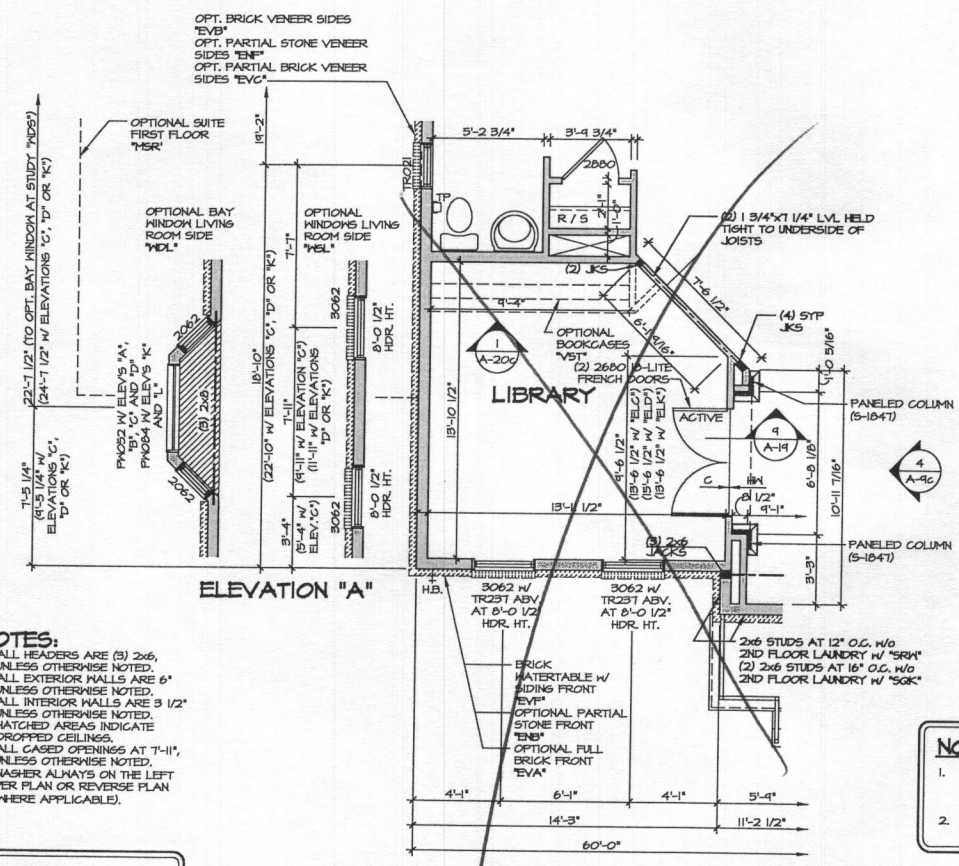
NVR
 NVR, Inc. Services
 21 Bye Court, Suite A
 Frederick, MD 21702

SHEET NO.	10800
VERSION	01
DRAWN BY	AJH
DATE	12/7/12
OPTION	
MODEL	CLIFTON PARK II
DRAWING TITLE	FIRST FLOOR PLAN
OPTION DESCRIPTION	
SHEET NO.	A-9
	47

3-DWG BY DETACHED CLIFTON PARK II 10800-01A.PLAN.ENG 03/20/18 - 10:13 AM



4 PARTIAL ELEVATION
SCALE: 1/4" = 1'-0"
LIBRARY "MAT"



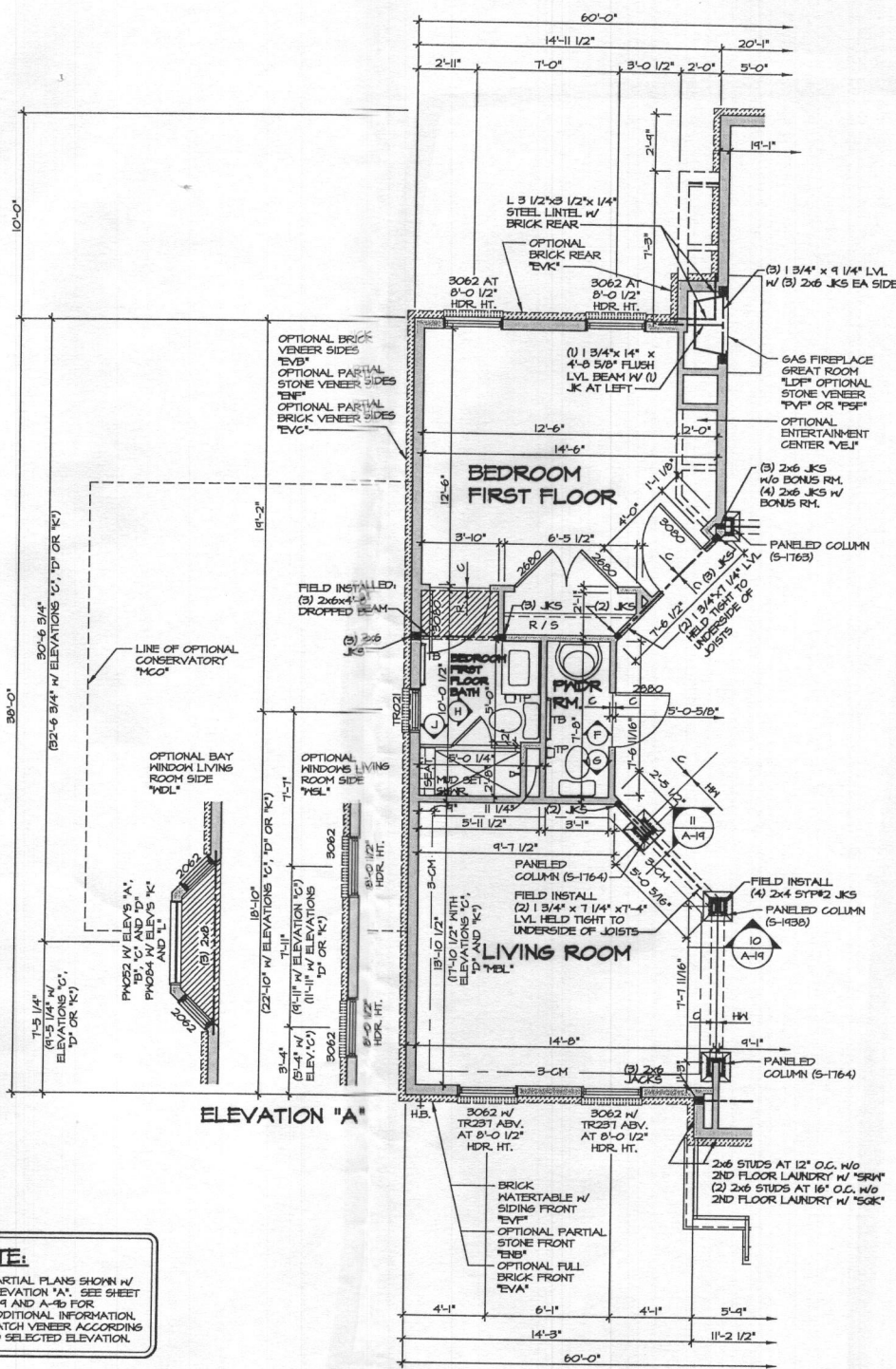
ELEVATION "A"

1 PARTIAL FLOOR PLAN
SCALE: 1/4" = 1'-0"
LIBRARY "MAT"
NOTE: N/A W/ OPT. CONSERVATORY "KCO"

- NOTES:**
1. ALL HEADERS ARE (3) 2x6, UNLESS OTHERWISE NOTED.
 2. ALL EXTERIOR WALLS ARE 6" UNLESS OTHERWISE NOTED. ALL INTERIOR WALLS ARE 3 1/2" UNLESS OTHERWISE NOTED.
 3. HATCHED AREAS INDICATE DROPPED CEILING.
 4. ALL CASED OPENINGS AT "T-11", UNLESS OTHERWISE NOTED.
 5. MASHER ALWAYS ON THE LEFT PER PLAN OR REVERSE PLAN (WHERE APPLICABLE).

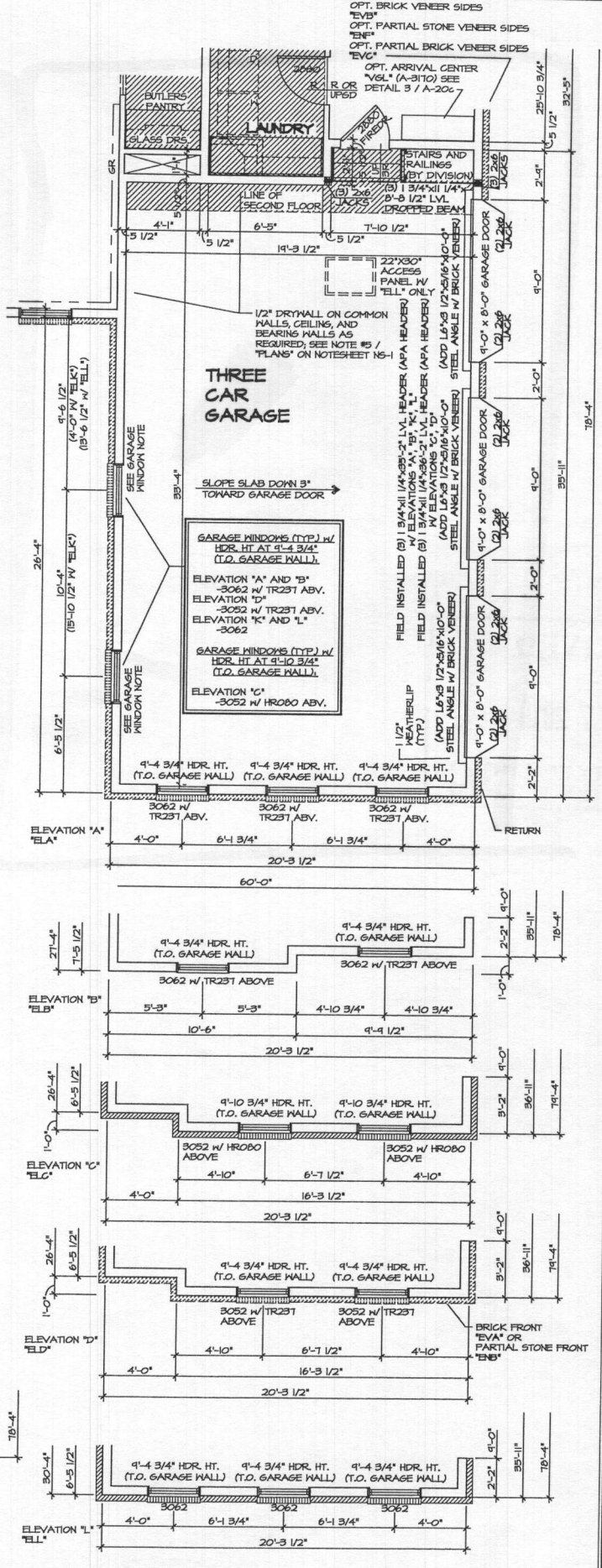
- NOTE:**
1. PARTIAL PLANS SHOWN W/ ELEVATION "A". SEE SHEET A-1 AND A-2 FOR ADDITIONAL INFORMATION.
 2. MATCH VENEER ACCORDING TO SELECTED ELEVATION.

NOTE:
SEE SHEET S-6 FOR BRACED WALL PANEL LOCATIONS



ELEVATION "A"

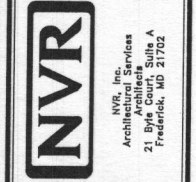
2 PARTIAL FLOOR PLAN
SCALE: 1/4" = 1'-0"
BEDROOM FIRST FLOOR "BAM"
NOTE: N/A W/ OPT. SUITE FIRST FLOOR "MSR"



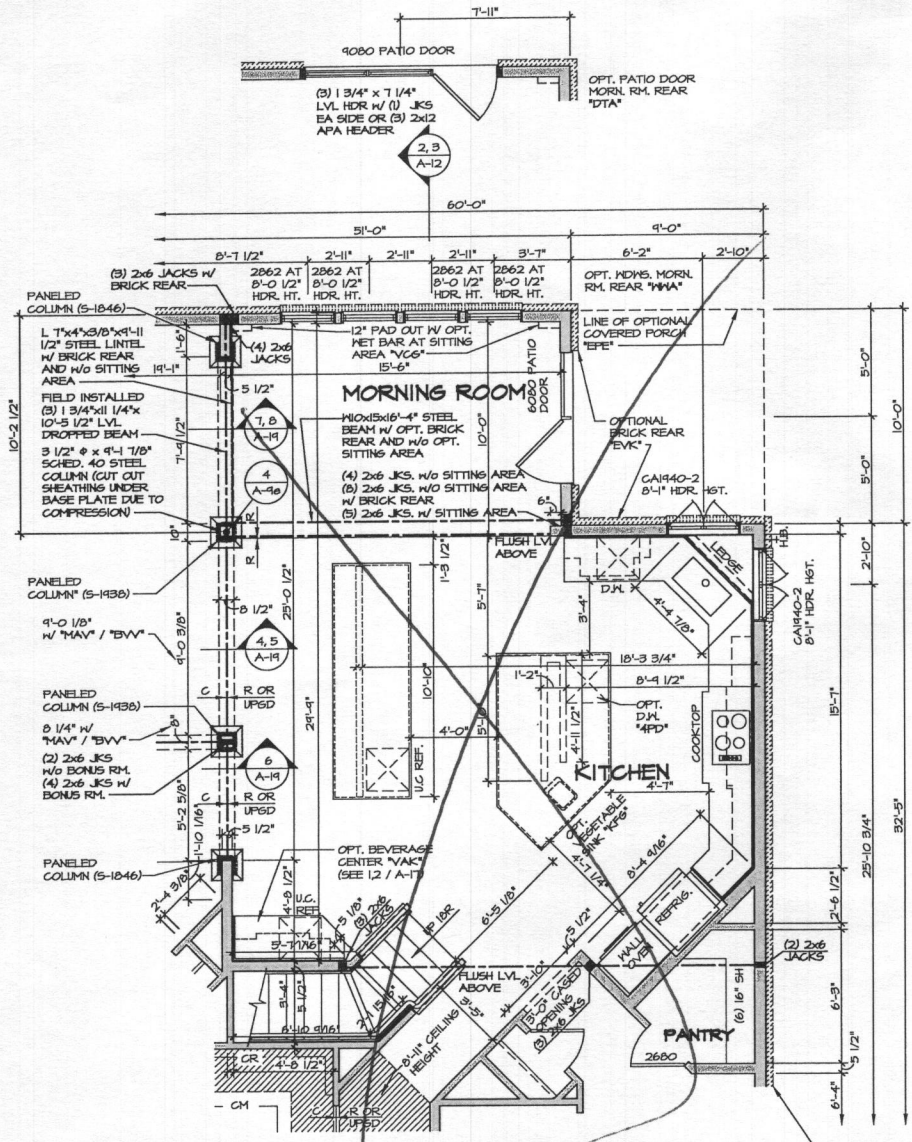
3 PARTIAL FLOOR PLAN
SCALE: 1/4" = 1'-0"
THREE CAR GARAGE SIDE ENTRY "GCE"

REVISIONS

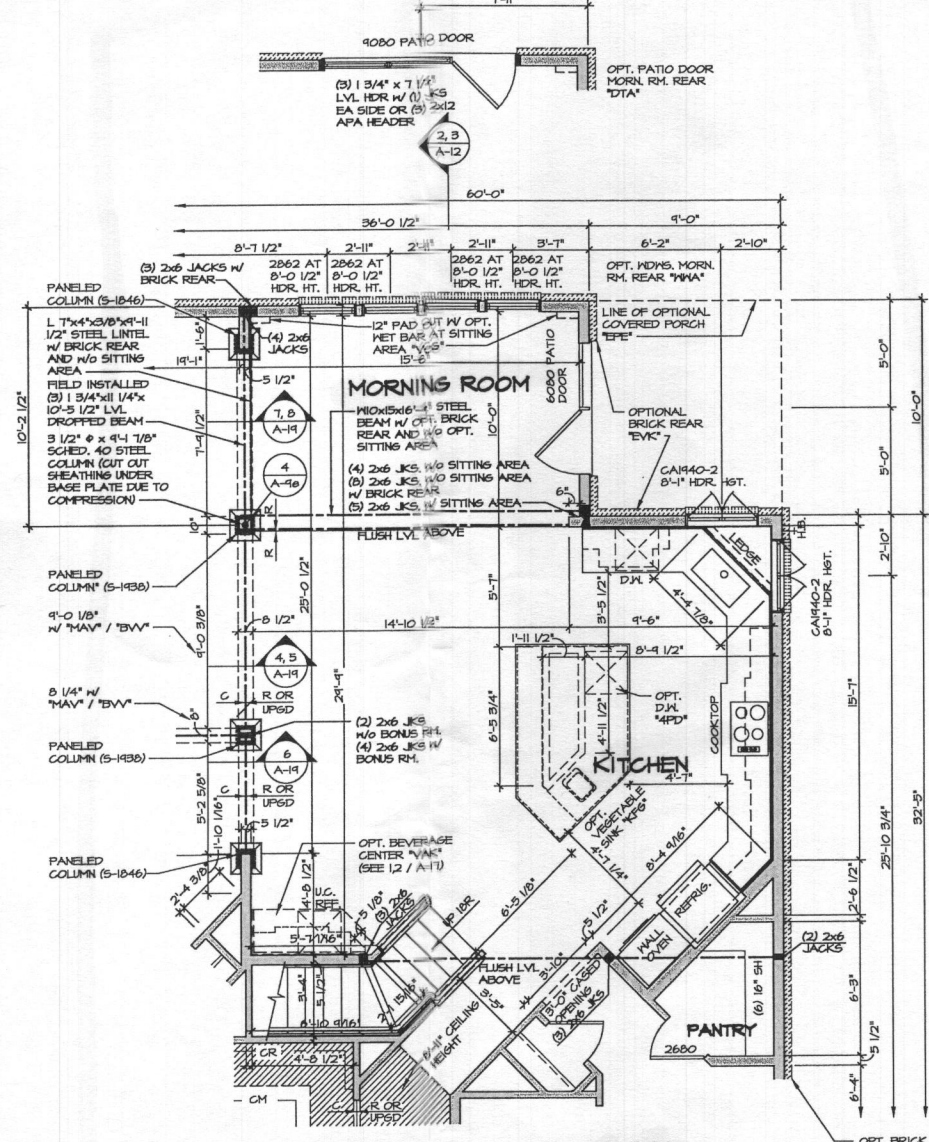
REV. NO.	DATE	DESCRIPTION
10	11/21/14	E.L.S. - REVISED SHOWER WIDTH IN BEDROOM FIRST FLOOR BATH (PAR ID 892593)
11	11/23/14	E.S.A. - ADJUST REVISIONS
12	4/28/15	895 - PAR 89249 - ROTATED JACKS IN FLOOR COLLUMS & REVED TO FIELD INSTALLED
13	6/10/15	895 - PLANT BUILT ARRIVAL CENTER PROJECT
14	6/10/15	895 - REVISED FIREDOOR INTO GARAGE TO A-2890 (PAR ID 84928)
15	10/29/15	895 - PAR 89249 - REVISED GARAGE SLAB HEIGHT
16	12/17/15	895 - PAR 89249 - REVISED GARAGE SLAB HEIGHT
17	2/27/17	KAD - PROJ. ECT #1659 - ADDED COUNTERTOP LAYOUTS FOR GENSSE BATH



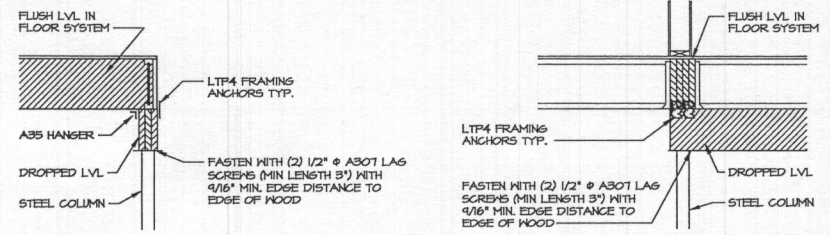
MODEL CLIFTON PARK II
DRAWING TITLE FIRST FLOOR PARTIAL PLANS
DATE: 1/2/15
OPTION MAT BAR GCE
SHEET NO. A-9c
LIBRARY BEDROOM FIRST FLOOR THREE CAR SIDE ENTRY GARAGE
50



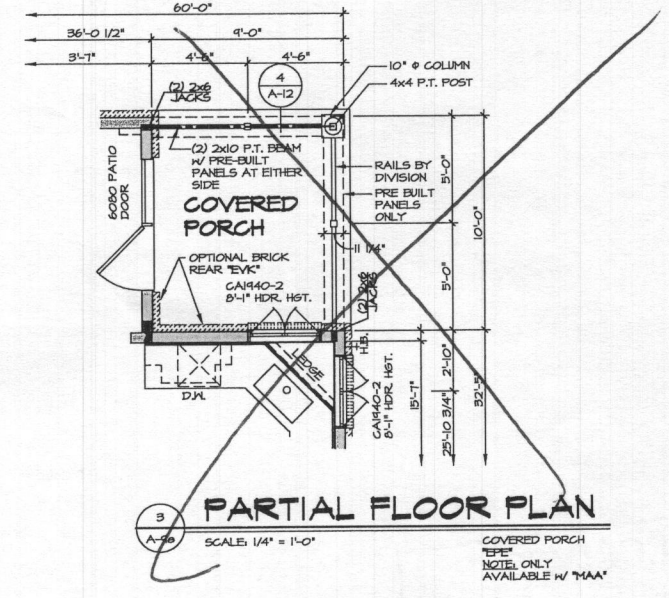
2 PARTIAL FLOOR PLAN
SCALE: 1/4" = 1'-0"
MORNING ROOM W/ GOURMET ISLAND "MAA" / "KFF"



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



4 ATTACHMENT DETAIL
SCALE: 1/2" = 1'-0"



3 PARTIAL FLOOR PLAN
SCALE: 1/4" = 1'-0"
COVERED PORCH
NOTE: ONLY AVAILABLE W/ "MAA"

NOTE:
1. PARTIAL PLANS SHOWN W/ ELEVATION "A". SEE SHEET A-4 AND A-6 FOR ADDITIONAL INFORMATION.
2. MATCH VENEER ACCORDING TO SELECTED ELEVATION.

NOTES:
1. ALL HEADERS ARE (3) 2x6, UNLESS OTHERWISE NOTED.
2. ALL EXTERIOR WALLS ARE 6" UNLESS OTHERWISE NOTED.
3. ALL INTERIOR WALLS ARE 3 1/2" UNLESS OTHERWISE NOTED.
4. ALL CASED OPENINGS AT 7'-11", UNLESS OTHERWISE NOTED.
5. WASHER ALWAYS ON THE LEFT PER PLAN OR REVERSE PLAN (WHERE APPLICABLE).

NOTE:
SEE SHEET 5-6 FOR BRACED WALL PANEL LOCATIONS

REV.	NO.	DATE	DESCRIPTION
1	10/21/14	10/21/14	CEL - ADDED DIMENSION FOR 9090 PATIO DOOR
2	10/21/14	10/21/14	CEL - ADDED ATTACHMENT DETAIL 4/A-6 (PAR ID 209594)
3	11/25/14	11/25/14	ISA - ALERT REVISIONS
4	11/25/14	11/25/14	ISA - REVISED MANRAIL IN REAR STAIR (PAR 209603)
5	11/25/14	11/25/14	ISA - REVISED MALL CANNEL LAYOUT AND ADDED A. TO HALL FOR CABINETS
6	11/25/14	11/25/14	ISA - REVISED NIGHT BEAM HOSE END TO BE (M4044)
7	11/25/14	11/25/14	ISA - FIELD ADJUST REVISIONS AT KITCHEN SINK LEASE
8	11/25/14	11/25/14	ISA - REVISED REAR LIGHT OF GARAGE-2 (STITCHEN WINDOWS (PAR ID 209292))

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SHEET NO.	MODEL	SET NO.	DATE
A-9e	CLIFTON PARK II	10300	1/4/13
	DRAWING TITLE	VERSION 01	
	FIRST FLOOR PARTIAL PLANS		
	DRAWN BY	OPTION	
	MAA	MAA	
	DATE		
	1/4/13		
	OPTION DESCRIPTION		
	MORNING ROOM		

SHEET NO.	MODEL	SET NO.	DATE
A-9e	CLIFTON PARK II	10300	1/4/13
	DRAWING TITLE	VERSION 01	
	FIRST FLOOR PARTIAL PLANS		
	DRAWN BY	OPTION	
	MAA	MAA	
	DATE		
	1/4/13		
	OPTION DESCRIPTION		
	MORNING ROOM		

