



Health

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 NOV 21 PM 2:01

Date Received: _____

Permit No.: B18003947

Building Address: 13610 CORTIS VISTA WAY
 City: Clarksville State: MD Zip Code: 21029
 Suite/Apt. # _____ SDP/WP/BA #: _____
 Census Tract: _____ Subdivision: Brighton Mill 11
 Section: _____ Area: _____ Lot: 10
 Tax Map: 34 Parcel: 16 Grid: 2
 Zoning: _____ Map Coordinates: _____ Lot Size: 47,909

Property Owner's Name: Highland Development Corp
 Address: PO Box 228
 City: Clarksville State: MD Zip Code: 21029
 Phone: 410-360-1670 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

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

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: _____

Occupant/Tenant Name: OWNER
 Was tenant space previously occupied? Yes No
 Contact Name: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ 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:	<u>Depth</u>	<u>Width</u>
Gross area, sq. ft./floor:	1 st floor: _____ 2 nd floor: _____	
Area of construction (sq. ft.):	Basement:	
Use group:	<input type="checkbox"/> Finished Basement <input type="checkbox"/> Unfinished Basement <input type="checkbox"/> Crawl Space	
<u>Construction type:</u>	<input type="checkbox"/> Slab on Grade	
<input type="checkbox"/> Reinforced Concrete	No. of Bedrooms: _____	
<input type="checkbox"/> Structural Steel	<u>Multi-family Dwelling</u>	
<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"/> 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
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 checked="" type="checkbox"/> No	
Grading Permit Number:	<u>RECEIVED</u>
Building Shell Permit Number:	<u>NOV 21 2018</u>

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
11/20/18
 Date

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY
 PLEASE WRITE NEATLY & LEGIBLY

PERSON OFFICE USE ONLY

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health	<u>12/10/18</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	\$ <u>110</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>66042</u>

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

Date Received: 10/9/18

Permit No.: B18003A

HEALTH

Building Address: 13610 Curtis Vista Way
 City: Clerksville State: MD Zip Code: 21029
 Suite/Apt. #: _____ SDP/WP/BA #: GP-18-023
 Census Tract: _____ Subdivision: Brighton Mill
 Section: _____ Area: _____ Lot: 10
 Tax Map: _____ Parcel: _____ Grid: _____
 Zoning: _____ Map Coordinates: _____ Lot Size: _____

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: Woodsbine State: MD Zip Code: 21788
 Phone: 443-309-7792 Fax: _____
 Email: Jim@DecaturbuildingServices.com

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

Existing Use: Vacant lot
 Proposed Use: Single family house
 Estimated Construction Cost: \$ 230,000
 Description of Work: New 2 story "Stratford Hall" with 2 car garage, 1 car side attached covered porch, suite 1st floor, and finished lower level
 Occupant or Tenant: (Rec room + Bathroom)
 Was tenant space previously occupied? Yes No
 Contact Name: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 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:	Depth Width
Gross area, sq. ft./floor:	1 st floor: <u>54</u> x <u>54</u>
Area of construction (sq. ft.):	2 nd floor: <u>48</u> x <u>54</u>
Use group:	Basement: <u>54</u> ✓ <u>54</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	<u>Multi-family Dwelling</u>
<input checked="" 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 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>G1800196</u>	
Building Shell Permit Number:	

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

Jim Kerwin
 Print Name
10/8/2018
 Date
RECEIVED
OCT 09 2018
 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>10-29-18</u>	<u>Bernard</u>
Is sediment control approval required for issuance? <input type="checkbox"/> Yes <input type="checkbox"/> No		
<input type="checkbox"/> CONTINGENCY CONSTRUCTION START		

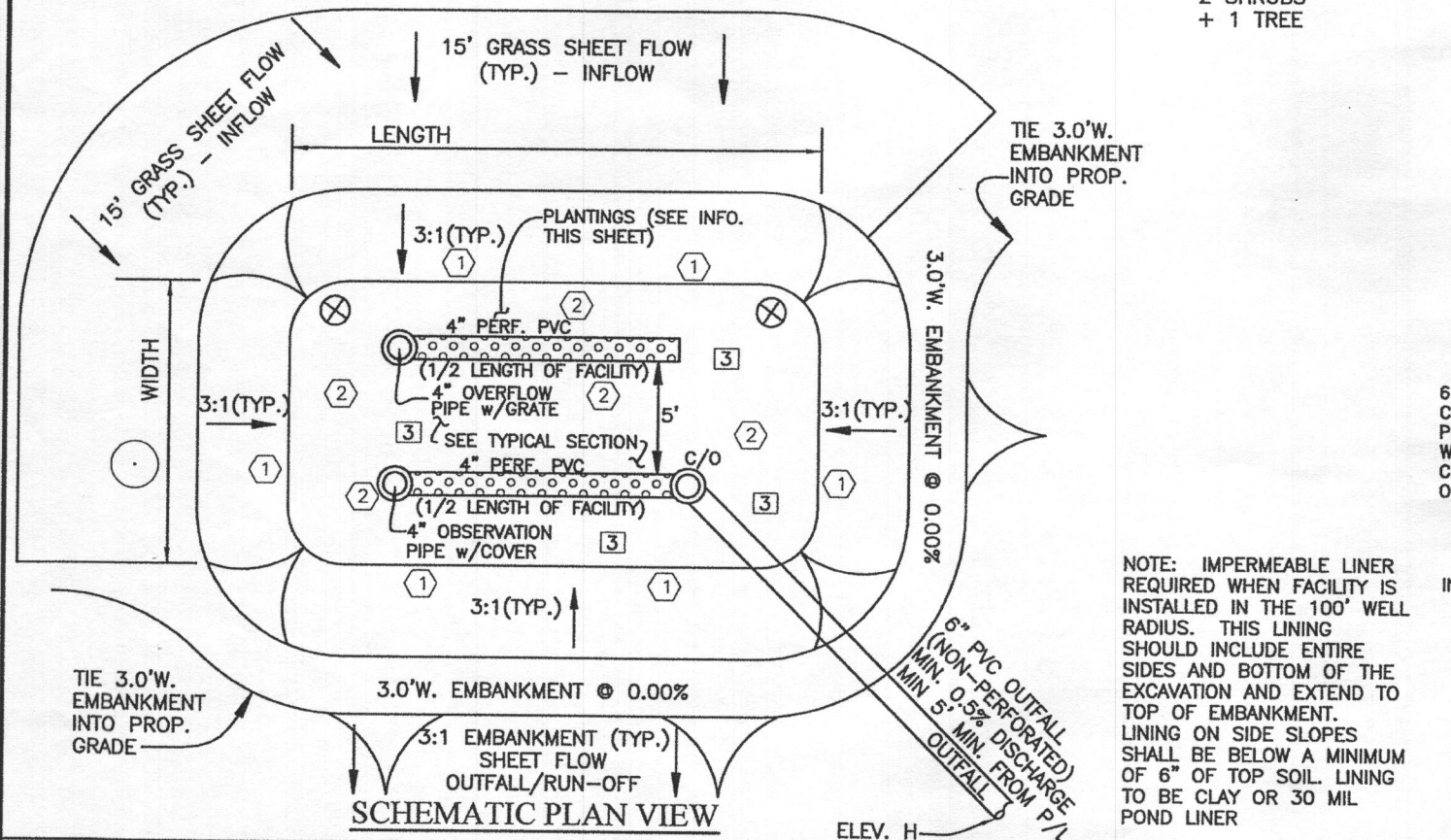
DPZ SETBACK INFORMATION
Front:
Rear:
Side:
Side St.:
All minimum setbacks met? <input type="checkbox"/> Yes <input type="checkbox"/> No
Is Entrance Permit Required? <input type="checkbox"/> Yes <input type="checkbox"/> No
Historic District? <input type="checkbox"/> Yes <input type="checkbox"/> No
Lot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

Filing Fee	\$ <u>100</u>
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
County Fund	\$ <u>50</u>
Add'l per Fee	\$
Total Fees	\$
Sub-Total Paid	\$
Balance Due	\$
Check #	<u>21035</u>

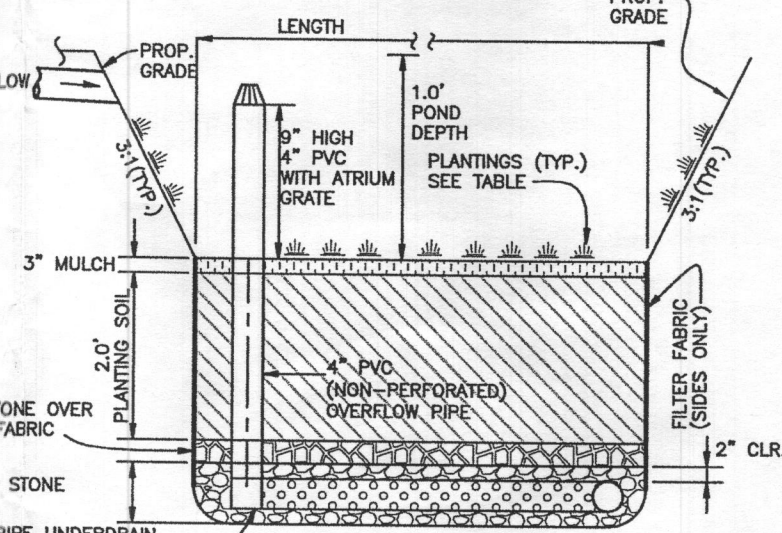
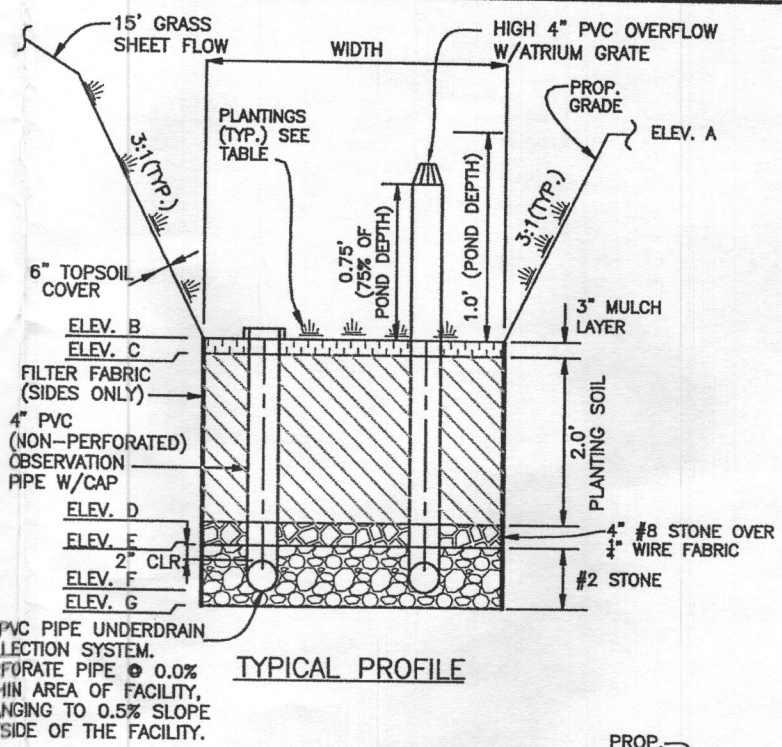
ON-LOT BIORETENTION DIMENSIONS

FACILITY	A	B	C	D	E	F	G	H	LENGTH	WIDTH	FILTER (Af)	PLANTINGS			LINER
												①	②	③	
MBR-13	530.00	529.00	528.75	526.75	526.42	525.92	524.92	510.00	23.0	12.0	276	61	61	31	YES

ADDITIONAL
2 SHRUBS
+ 1 TREE



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



6" PVC PIPE UNDERDRAIN COLLECTION SYSTEM. PERFORATE PIPE @ 0.0% WITHIN AREA OF FACILITY, CHANGING TO 0.5% SLOPE OUTSIDE OF THE FACILITY.

MICROBIORETENTION PLANTING SCHEDULE

- (PLANTING SPECIES AND DENSITY CAN BE CHANGED OR SUBSTITUTED BY A LANDSCAPE ARCHITECT OR QUALIFIED DESIGNER)
- ① IRIS FULVA (COPPER IRIS) (1 PER SY)
 - ② LOBELIA CARDINALIS (CARDINAL FLOWER) (1 PER SY)
 - ③ RUDBECKIA SUBTOMENTOSA (SWEET CONEFLOWER) (1 PER 2 SY)
 - ⊗ CALLUNA VULGARIS (HEATHER) (1 PER FACILITY)
 - ACER GINNALA (ARMUR MAPLE) (1 PER FACILITY)

MICROBIORETENTION PLANTING DATA

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

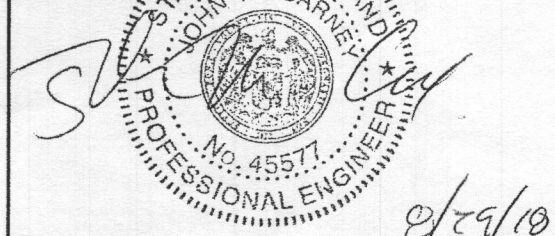
OPERATION AND MAINTENANCE SCHEDULE FOR MICRO-BIORETENTION (M-6)

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.

OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED DISCONNECTION OF NON-ROOFTOP RUNOFF (N-2)

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
ELLCOTT CITY, MARYLAND 21043
(P) 410-465-6105 (F) 410-465-6644
WWW.BEI-CMLENGINEERING.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	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.)		

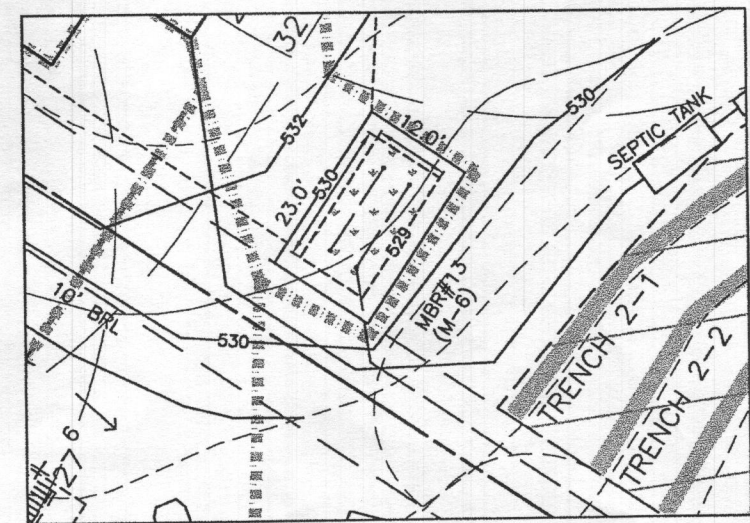
PROJECT:	BRIGHTON MILL II LOT 10		
LOCATION:	TAX MAP: 34, GRID: 2, PARCEL: 16 ZONED: RR-DEO 13610 CURTIS VISTA WAY CLARKSVILLE, MD 21029 FIFTH ELECTION DISTRICT, HOWARD COUNTY, MD, TAX ID #600591		
TITLE:	BUILDING PERMIT PLAN		
HOUSE TYPE:	STRATFORD HALL - ELEVATION A		
DATE:	AUGUST, 2018	PROJECT NO.	2627
SCALE:	AS SHOWN	DRAWING	2 OF 2



LEGEND

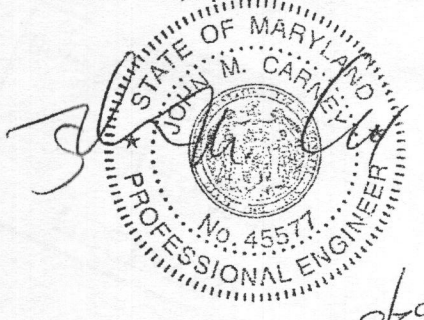
SOILS CLASSIFICATION	GgC
SOILS DELINEATION	—
PROPOSED CONTOURS	— 480
EXISTING CONTOURS	— 480
LIMIT OF WETLANDS	— 478
EXISTING WOODS LINE	~
PROPOSED WOODS LINE	~
EXISTING STRUCTURE	[]
EXISTING WELL	⊙
EXISTING WELL BOX	[]
EXISTING SEWAGE DISPOSAL AREA	[]
EXISTING PRIVATE PIPE LINE EASEMENT AREA	[]

- 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. 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 WAIVED.
 5. THE EXISTING WELL SHOWN ON THIS PLAN, HO-17-0156, 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.



MBR-13 (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.



8/29/18



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		<p align="center">BENCHMARK ENGINEERS & LAND SURVEYORS & PLANNERS</p> <p align="center">ENGINEERING, INC. 8480 BALTIMORE NATIONAL PIKE & SUITE 315 ELLCOTT CITY, MARYLAND 21043 (P) 410-465-6105 & (F) 410-465-6644 WWW.BEI-CMILENGINEERING.COM</p>	
PROJECT: BRIGHTON MILL II LOT 10		LOCATION: TAX MAP: 34, GRID: 2, PARCEL: 16 ZONED: RR-DEO 13610 CURTIS VISTA WAY CLARKSVILLE, MD 21029 FIFTH ELECTION DISTRICT, HOWARD COUNTY, MD, TAX ID #600591			
TITLE: BUILDING PERMIT PLAN		HOUSE TYPE: STRATFORD HALL - ELEVATION A			
DATE: AUGUST, 2018	PROJECT NO. 2627		SCALE: AS SHOWN		
SCALE: AS SHOWN		DRAWING 1 OF 2			



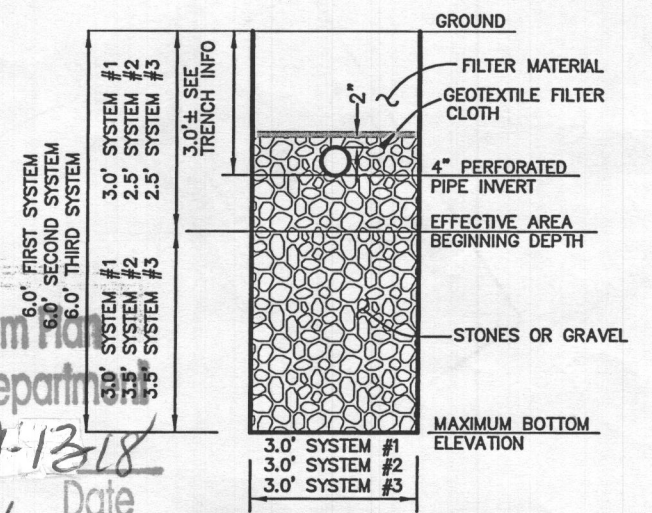
LEGEND

- SOILS CLASSIFICATION *GgC*
- 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

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. 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.
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9. THE SEPTIC TANK WILL HAVE A 2000 GALLON 2 COMPARTMENT TANK.

LOT 10



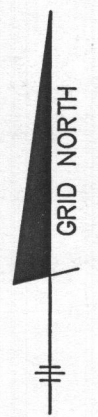
TYPICAL TRENCH DETAIL
NOT TO SCALE

Approved Septic System Plan
 Howard County Health Department
Deborah 9-13-18
 Signature Date
 Approved for
Six Bel

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.



8/29/18



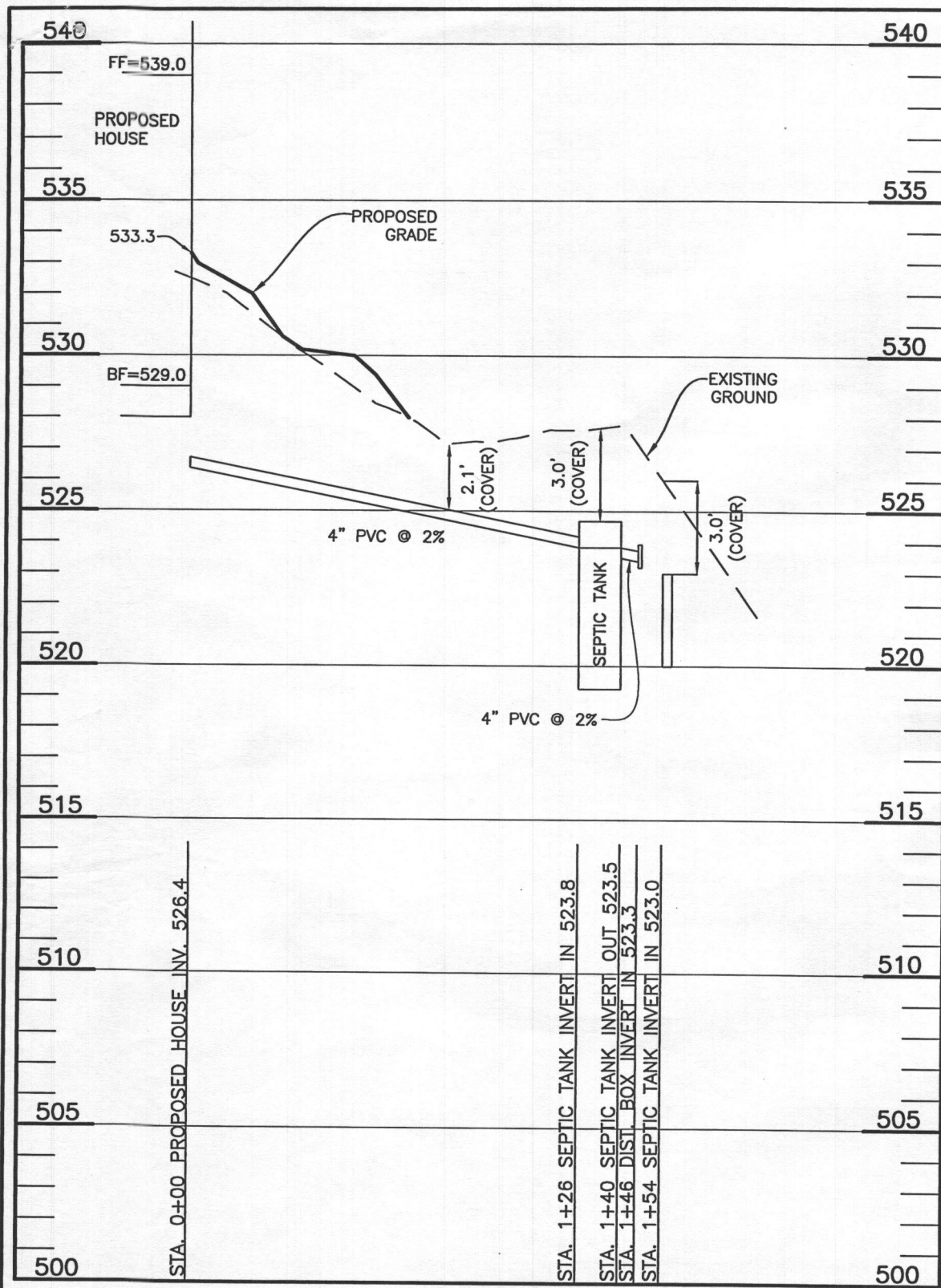
PLAN VIEW

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
 ELLICOTT CITY, MARYLAND 21043
 (P) 410-465-6105 ▲ (F) 410-465-6644
 WWW.BEI-CVLENGINEERING.COM

PROJECT: BRIGHTON MILL II LOT 10	
LOCATION: TAX MAP: 34, GRID: 2, PARCEL: 16 ZONED: RR-DEO 13610 CURTIS VISTA WAY CLARKSVILLE, MD 21029 FIFTH ELECTION DISTRICT, HOWARD COUNTY, MD, TAX ID #600591	
TITLE: ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN	
HOUSE TYPE: STRATFORD HALL - ELEVATION A	
DATE: AUGUST, 2018	PROJECT NO. 2627
SCALE: AS SHOWN	DRAWING 1 OF 2



LOT 10 SEPTIC
SCALE: 1"=50' HORIZ., 1"=5' VERT.

INITIAL SYSTEM - LOT 10		
Number of Bedrooms	6	
Application Rate	0.8	gpd/sf
Effective Area Beginning Depth	3.0	ft
Bottom Max Depth	6.0	ft
Design Flow	900	gpd
Drainage Field square footage	1125	sf
Sidewall Reduction Credit	0.50	
Trench width	3	ft
Effective Area Depth	3	ft
Trench Spacing	10	ft
Linear Length of trench Required	188	lf

1st REPLACEMENT SYSTEM		
Number of Bedrooms	6	
Application Rate	0.8	gpd/sf
Effective Area Beginning Depth	2.5	ft
Bottom Max Depth	6.0	ft
Design Flow	900	gpd
Drainage Field square footage	1125	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	170	lf

2nd REPLACEMENT SYSTEM		
Number of Bedrooms	6	
Application Rate	0.8	gpd/sf
Effective Area Beginning Depth	2.5	ft
Bottom Max Depth	6.0	ft
Design Flow	900	gpd
Drainage Field square footage	1125	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	170	lf

HEALTH DEPARTMENT SPEC SHEET INFORMATION - LOT 10			
System	Application Rate	Effective Depth	Bottom Depth
Initial	0.8	3.0	6.0
1st Replacement	0.8	2.5	6.0
2nd Replacement	0.8	2.5	6.0

TRENCH DATA - LOT 10					
INITIAL SYSTEM		FIRST REPLACEMENT		SECOND REPLACEMENT	
TRENCH 1-1	LENGTH 46.9 ft	TRENCH 2-1	LENGTH 56.9 ft	TRENCH 3-1	LENGTH 56.9 ft
	GROUND ELEVATION 526.0		GROUND ELEVATION 526.3		GROUND ELEVATION 520.6
	INVERT ELEVATION 523.0		INVERT ELEVATION 523.8		INVERT ELEVATION 518.1
	MAX BOTTOM ELEVATION 520.0		MAX BOTTOM ELEVATION 520.3		MAX BOTTOM ELEVATION 514.6
TRENCH 1-2	LENGTH 46.9 ft	TRENCH 2-2	LENGTH 56.9 ft	TRENCH 3-2	LENGTH 56.9 ft
	GROUND ELEVATION 525.2		GROUND ELEVATION 524.4		GROUND ELEVATION 518.8
	INVERT ELEVATION 522.2		INVERT ELEVATION 521.9		INVERT ELEVATION 516.3
	MAX BOTTOM ELEVATION 519.2		MAX BOTTOM ELEVATION 518.4		MAX BOTTOM ELEVATION 512.8
TRENCH 1-3	LENGTH 46.9 ft	TRENCH 2-3	LENGTH 56.9 ft	TRENCH 3-2	LENGTH 56.9 ft
	GROUND ELEVATION 523.2		GROUND ELEVATION 522.4		GROUND ELEVATION 517.2
	INVERT ELEVATION 520.2		INVERT ELEVATION 519.9		INVERT ELEVATION 514.7
	MAX BOTTOM ELEVATION 517.2		MAX BOTTOM ELEVATION 516.4		MAX BOTTOM ELEVATION 511.2
TRENCH 1-4	LENGTH 46.9 ft				
	GROUND ELEVATION 520.3				
	INVERT ELEVATION 517.3				
	MAX BOTTOM ELEVATION 514.3				

SEPTIC INVERT CHART - LOT 10	
INV @ HOUSE	526.4
GROUND @ HOUSE	533.3
INV IN TANK	523.8
INV OUT TANK	523.5
TOP OF TANK	524.7
GROUND OVER TANK	527.7
INV IN DIST BOX	523.3
INV OUT DIST BOX	523.2
GROUND AT DIST BOX	526.3

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:

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. 43577, Expiration Date: 06-08-2020.

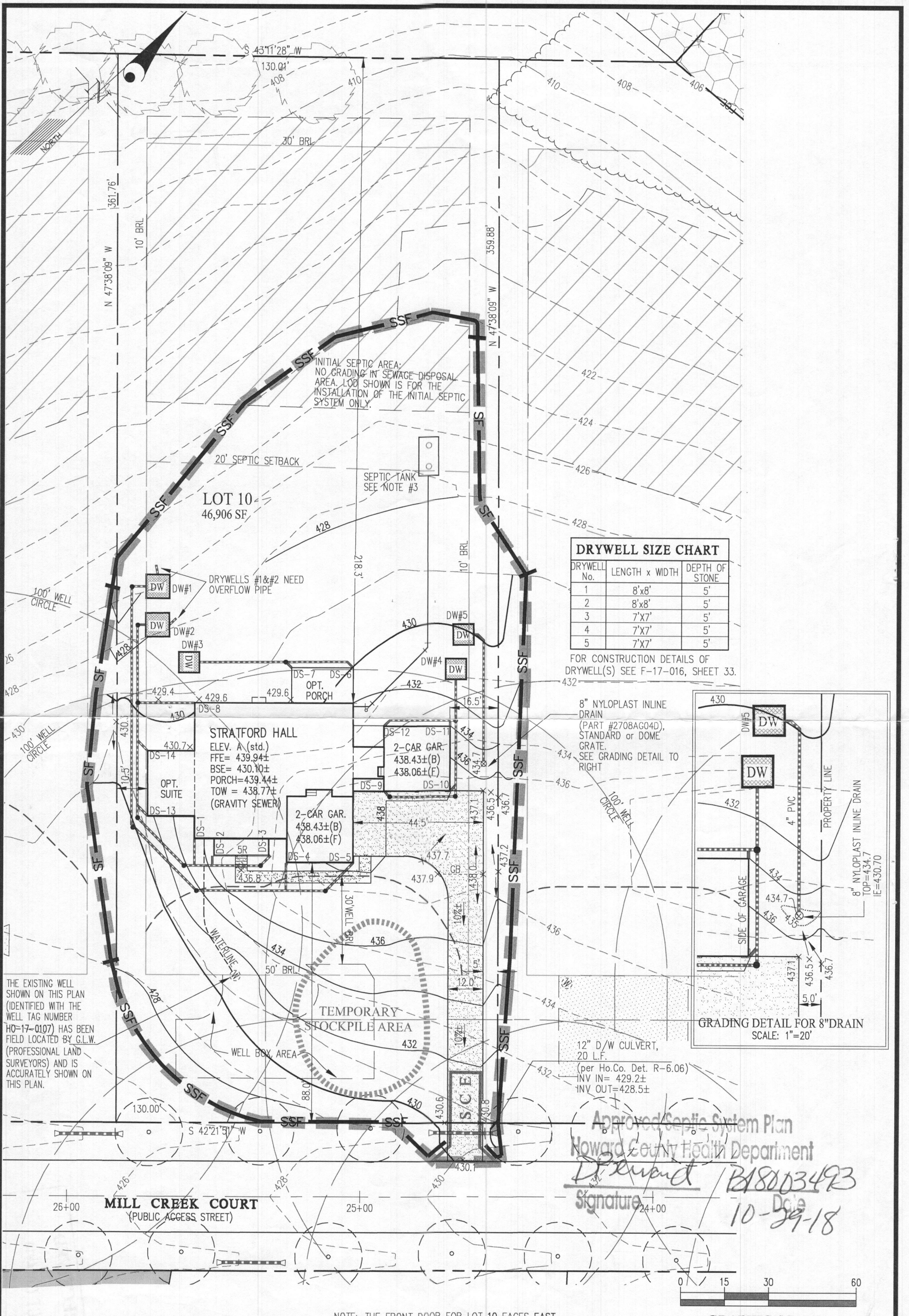
8/29/19

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-CMLENGINEERING.COM

BUILDER: NV HOMES, INC. 9720 PATUXENT WOODS DR. SUITE 100 COLUMBIA, MD 21046 410-379-5956	PROJECT: BRIGHTON MILL II LOT 10	
	LOCATION: TAX MAP: 34, GRID: 2, PARCEL: 16 ZONED: RR-DEO 13610 CURTIS VISTA WAY CLARKSVILLE, MD 21029 FIFTH ELECTION DISTRICT, HOWARD COUNTY, MD, TAX ID #600591	
OWNER: HIGHLAND DEVELOPMENT CORP P.O. BOX 228 CLARKSVILLE, MARYLAND 21029 410-365-0414	TITLE: ONSITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN	
	HOUSE TYPE: STRATFORD HALL - ELEVATION A	
DATE: AUGUST, 2018	PROJECT NO. 2627	
SCALE: AS SHOWN	DRAWING 2 OF 2	

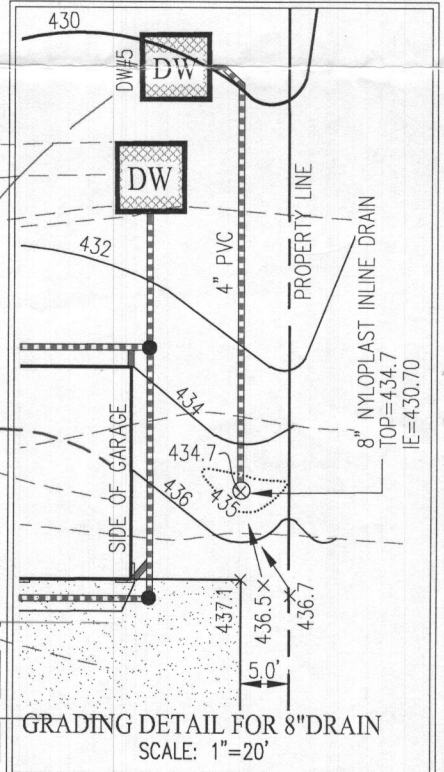


THE EXISTING WELL SHOWN ON THIS PLAN (IDENTIFIED WITH THE WELL TAG NUMBER HO-17-0107) HAS BEEN FIELD LOCATED BY G.L.W. (PROFESSIONAL LAND SURVEYORS) AND IS ACCURATELY SHOWN ON THIS PLAN.

INITIAL SEPTIC AREA:
NO GRADING IN SEWAGE DISPOSAL AREA. LOD SHOWN IS FOR THE INSTALLATION OF THE INITIAL SEPTIC SYSTEM ONLY.

DRYWELL SIZE CHART		
DRYWELL No.	LENGTH x WIDTH	DEPTH OF STONE
1	8'x8'	5'
2	8'x8'	5'
3	7'x7'	5'
4	7'x7'	5'
5	7'x7'	5'

FOR CONSTRUCTION DETAILS OF DRYWELL(S) SEE F-17-016, SHEET 33.



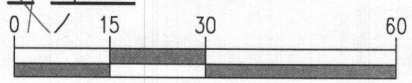
GRADING DETAIL FOR 8" DRAIN
SCALE: 1"=20'

8" NYLOPLAST INLINE DRAIN (PART #2708AG04D), STANDARD or DOME GRATE. SEE GRADING DETAIL TO RIGHT

12" D/W CULVERT, 20 L.F. (per Ho.Co. Det. R-6.06)
INV IN= 429.2±
INV OUT=428.5±

Approved Septic System Plan
Howard County Health Department
D Crawford
Signature B18003493
10-29-18

NOTE: THE FRONT DOOR FOR LOT 10 FACES EAST.



GRAPHIC SCALE

BUILDING PERMIT PLOT PLAN

	DES.	PREPARED FOR :	CRAWFORD SUBDIVISION LOT 10 (13858 MILL CREEK CT.) Plat No. 24600-24607	G. L. W. No.	17071
	DRN.	NVR INC. 9720 PATUXENTS WOODS DRIVE COLUMBIA, MD 21045 PH: 410-379-5956		ZONING	RR-DEO
	CHK.			TAX MAP/GRID	34&39-19&6
				DATE	SEPT. 2018
				SCALE	1"=30'
L:\CADD\DRAWINGS\17071\PLANS BY GLW\LOT PLANS\LOT 10\17071 MC LOT 10 PLOT PLAN.dwg				SHEET	1 OF 1

- FLOOR PLAN NOTES**
1. ALL HEADERS ARE (2) 2x6 W/ 2x4 WALLS OR (3) 2x6 W/ 2x6 WALLS, UNLESS OTHERWISE NOTED.
 2. ALL HEADERS TO HAVE (1) 2x4 OR 2x6 JACK EACH END, UNLESS OTHERWISE NOTED.
 3. ALL EXTERIOR WALLS TO BE 4" AND ALL INTERIOR WALLS TO BE 3 1/2", UNLESS OTHERWISE NOTED.
 4. HATCHED AREAS INDICATE DROPPED CEILINGS. ALL DROPPED CEILINGS ARE 12" UNLESS OTHERWISE NOTED.
 5. SEE "BRACED WALL PANEL DETAIL SHEET" FOR SPECIAL WALL FRAMING LOCATIONS AND HEADER SIZES, IF APPLICABLE.
 6. SEE STANDARD DETAIL CATEGORY "IT" SHEET(S) FOR INTERIOR TRIM DETAILS.
 7. SEE ARCHITECTURAL DETAIL SHEET "AD" FOR HOUSE SPECIFIC INTERIOR TRIM OPTION TABLE.
 8. ALL WINDOWS HAVE T-0 1/2" HEADER HEIGHT UNLESS OTHERWISE NOTED.
 9. ALL CASED OPENINGS AT T-11", UNLESS OTHERWISE NOTED.

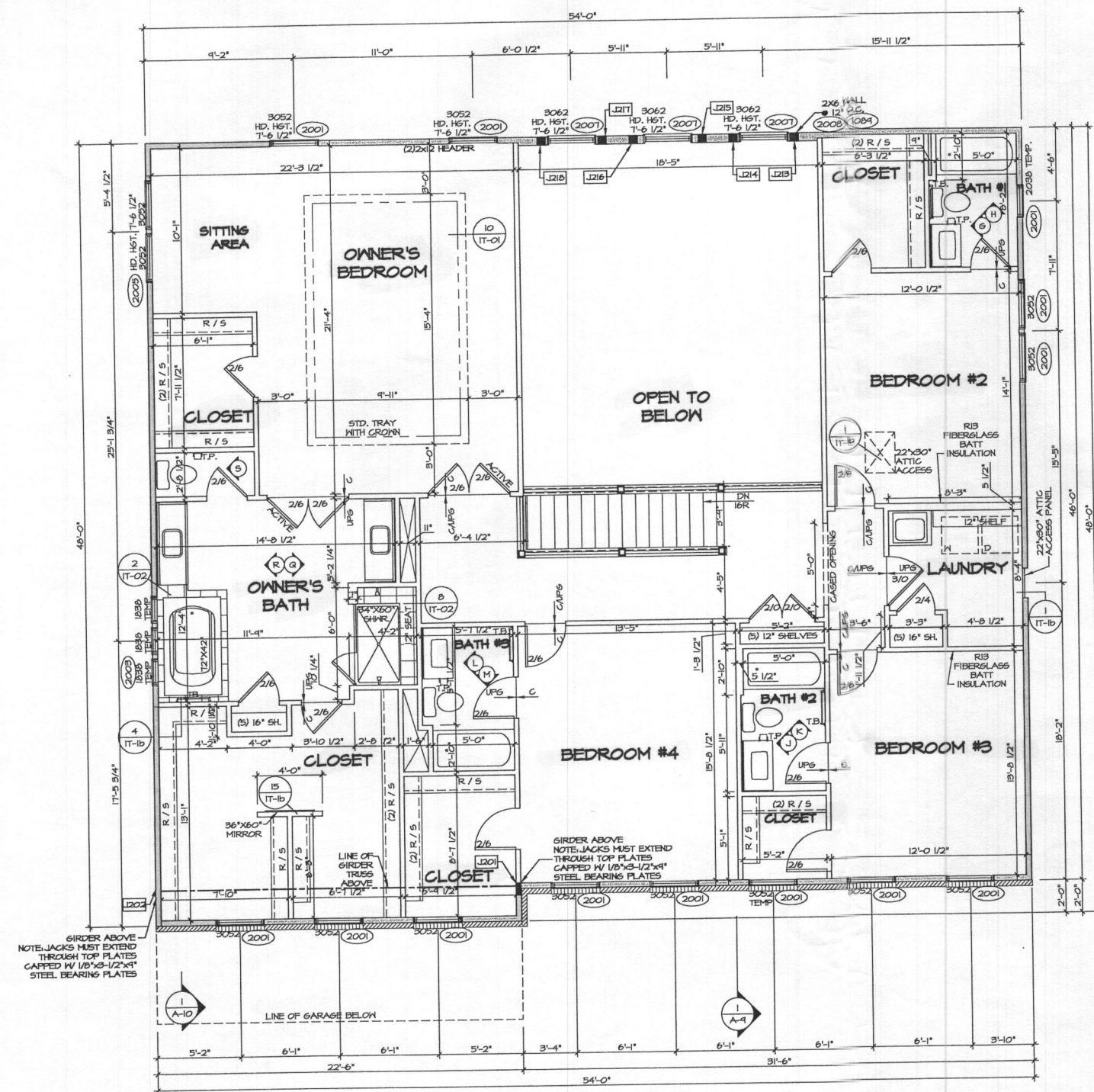
LEGEND

[Symbol]	BEARING WALL
[Symbol]	NON BEARING WALL
[Symbol]	INDICATES BEARING FROM POINT-LOAD ABOVE
[Symbol]	JACKS
[Symbol]	BEAM/HEADER
[Symbol]	PAD FOOTING
[Symbol]	STEEL COLUMN
[Symbol]	PORTAL FRAME
[Symbol]	JOIST/TRUSS
[Symbol]	LVL
[Symbol]	ENGINEERING PAGE NUMBER

SEE FG DETAILS FOR FRAMING CONNECTORS

SECOND FLOOR JACK SCHEDULE

IDENTIFIER	DESCRIPTION	OPTIONS	ENG. N.M.	REMARKS
J201	JACK - (6) 2X4 SPM		2008	
J202	JACK - (6) 2X4 SPM		2008	
J213	JACK - (4) 2X6 SFF #2 STUD GRADE		2007	FULL HEIGHT STUDS
J214	JACK - (4) 2X6 SFF #2 STUD GRADE		2007	FULL HEIGHT STUDS
J215	JACK - (4) 2X6 SFF #2 STUD GRADE		2007	FULL HEIGHT STUDS
J216	JACK - (4) 2X6 SFF #2 STUD GRADE		2007	FULL HEIGHT STUDS
J217	JACK - (4) 2X6 SFF #2 STUD GRADE		2007	FULL HEIGHT STUDS
J218	JACK - (4) 2X6 SFF #2 STUD GRADE		2007	FULL HEIGHT STUDS

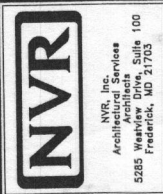


1 SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

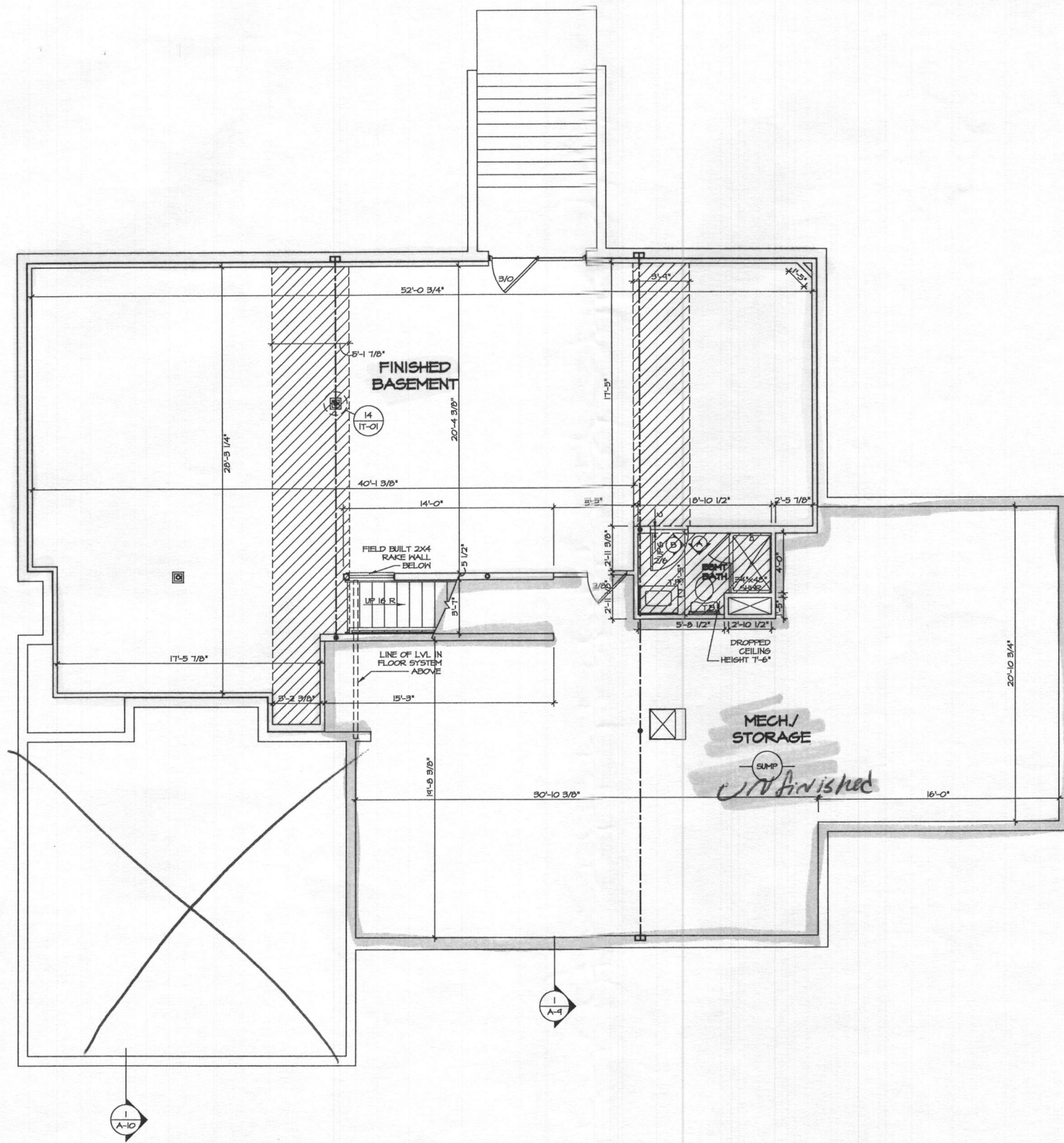
REV. NO. DATE

1	01/24/11	TM - STANDARD DETAILS 3.0
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MODEL	STRATFORD HALL
DRAWING TITLE	SECOND FLOOR PLAN
OPTION DESCRIPTION	
SHEET NO.	A-8
32.1	



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

FLOOR PLAN NOTES

1. ALL HEADERS ARE (2) 2x6 W/ 2x4 WALLS OR (3) 2x6 W/ 2x6 WALLS, UNLESS OTHERWISE NOTED.
2. ALL HEADERS TO HAVE (1) 2x4 OR 2x6 JACK EACH END, UNLESS OTHERWISE NOTED.
3. ALL EXTERIOR WALLS TO BE 4" AND ALL INTERIOR WALLS TO BE 3 1/2", UNLESS OTHERWISE NOTED.
4. HATCHED AREAS INDICATE DROPPED CEILINGS. ALL DROPPED CEILINGS ARE 12" UNLESS OTHERWISE NOTED.
5. SEE "BRACED WALL PANEL DETAIL SHEET" FOR SPECIAL WALL FRAMING LOCATIONS AND HEADER SIZES, IF APPLICABLE.
6. SEE STANDARD DETAIL CATEGORY "IT" SHEET(S) FOR INTERIOR TRIM DETAILS.
7. SEE ARCHITECTURAL DETAIL SHEET "AD" FOR HOUSE SPECIFIC INTERIOR TRIM OPTION TABLE.
8. ALL WINDOWS HAVE 7'-0 1/2" HEADER HEIGHT UNLESS OTHERWISE NOTED.
9. ALL CASED OPENINGS AT 7'-11", UNLESS OTHERWISE NOTED.

GYPSUM NOTES

- AT GARAGE:**
5/8" DRYWALL ON COMMON WALLS, CEILINGS, AND BEARING WALLS AS REQUIRED.
- AT STAIRS:**
1/2" GYPSUM BOARD AT UNDERSIDE OF STAIRS AND WALLS IN CLOSET.
- WITH OPTION "SC1" - 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"x8'-0" CEILING SPACE ABOVE MECHANICAL AREA).
- PROVIDE FIRE BLOCKING AS REQUIRED AT PERIMETER OF ANY AREAS WHERE DRYWALL HAS BEEN OMITTED.

LEGEND

- BEARING WALL
 - - - NON BEARING WALL
 - ⊗ INDICATES BEARINGS FROM POINT-LOAD ABOVE
 - J JACKS
 - B BEAM/HEADER
 - F PAD FOOTING
 - C STEEL COLUMN
 - X PORTAL FRAME
 - X JOIST/TRUSS
 - LVL
 - ⊗ ENGINEERING PAGE NUMBER
- SEE FC DETAILS FOR FRAMING CONNECTORS

SHEET NO. A-6	MODEL STRATFORD HALL	REV. NO. DATE	REMARKS
	DRAWING TITLE BASEMENT FLOOR PLAN	01/24/17	11M - STANDARD DETAILS 5.0
OPTION DESCRIPTION	SET NO. 11500	VERSION 01	
	DRAWN BY BIM	DATE:	
	OPTION		
27			

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