Building Permit Application

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

Health

Date Received: _____

Permit No.: B19002522

Building Address: 7016 DEER VALLEY ROAD
City: HIGHLAND State: MD Zip Code: 20777
Suite/Apt. #_____ SDP/WP/BA #: _____
Census Tract: _____ Subdivision: _____
Section: _____ Area: _____ Lot: _____
Tax Map: _____ Parcel: _____ Grid: _____
Zoning: _____ Map Coordinates: _____ Lot Size: _____

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: _____

RECEIVED
JUL 29 2019

Property Owner's Name: DAVID BARRY
Address: 1802 BELVEDERE BLVD
City: SILVER SPRING State: MD Zip Code: 20902
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:	☒ SF Dwelling ☐ SF Townhouse
No. of stories:	**Depth** **Width**
Gross area, sq. ft./floor:	1st floor:
	2nd floor:
Area of construction (sq. ft.):	Basement:
	☐ Finished Basement
Use group:	☐ Unfinished Basement
	☐ Crawl Space
Construction type:	☐ Slab on Grade
☐ Reinforced Concrete	No. of Bedrooms:
☐ Structural Steel	***Multi-family Dwelling***
☐ Masonry	No. of efficiency units:
☐ Wood Frame	No. of 1 BR units:
☐ State Certified Modular	No. of 2 BR units:
	No. of 3 BR units:
	Other Structure:
	Dimensions:
➢ **Roadside Tree Project Permit**	Footings:
☐Yes ☒No	Roof:
Roadside Tree Project Permit #	☐ State Certified Modular
	☐ Manufactured Home

Utilities	
Electric: ☐ Yes ☒ No	
Gas: ☒ Yes ☐ No	
Water Supply	
☐ Public	
☒ Private	
Sewage Disposal	
☐ Public	
☒ Private	
Heating System	
☐ Electric ☐ Oil	
☐ Natural Gas ☐ Propane Gas	
☐ Other:	
Sprinkler System:	
☐ Yes ☐ 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

MICHELLE CLANCY
Print Name

MICHELLE@APPLIEDANDAPPROVED.COM
Email Address

7/31/19
Date

PERMITS
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	8/13/19	

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

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

Filing Fee	$
Permit Fee	$
Tech Fee	$
Excise Tax	$
PSFS	$
Guaranty Fund	$
Add'l per Fee	$
Total Fees	$
Sub- Total Paid	$
Balance Due	$
Check	#

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

T:\Operations\Updated Forms\Building applmp 03.21.2017.docx

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: 6/6/19

Permit No.: B1900182

Building Address: 7016 Deer Valley Rd
City: Highland State: MD Zip Code: 20777
Suite/Apt. # SDP/WP/BA #:
Subdivision: Cissel Farm S3
Lot: 17 Tax Map: 40 Parcel: 235 & Vacant

Existing Use: Vacant Land
Proposed Use: SFD
Estimated Construction Cost: $ 200,000
Description of Work: New SFD
4BR 4½B unfinished basement
screened porch, 2 car garage

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

Property Owner's Name: David Racine
Address: 1902 Belvedere Blvd
City: Silver Spring State: MD Zip Code: 20902
Phone: Fax:
Email:

Applicant's Name & Mailing Address, (If other than stated herein)
Applicant's Name: Kristin Jackson
Address: 9612 Cedar Ln
City: Laurel State: MD Zip Code: 20723
Phone: 443-624-1166 Fax:
Email: Kjackson49@earthlink.net

Contractor Company: Homeowner
Contact Person: David Racine
Address: 1902 Belvedere Blvd
City: Silver Spring State: MD Zip Code: 20902
License No. :
Phone: 240-398-1538 Fax:
Email: DRacine@NVRInc.com

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

Commercial Building Characteristics	***Residential Building Characteristics***
Height:	☑ SF Dwelling ☐ SF Townhouse
No. of stories:	**Depth** **Width**
Gross area, sq. ft./floor:	1st floor: 56 50
	2nd floor: 28 58
Area of construction (sq. ft.):	Basement: 45 58
	☐ Finished Basement
Use group:	☐ Unfinished Basement
	☐ Crawl Space
Construction type:	☐ Slab on Grade
☐ Reinforced Concrete	No. of Bedrooms: 4
☐ Structural Steel	***Multi-family Dwelling***
☐ Masonry	No. of efficiency units:
☐ Wood Frame	No. of 1 BR units:
☐ State Certified Modular	No. of 2 BR units:
	No. of 3 BR units:
	Other Structure:
	Dimensions:
➢ **Roadside Tree Project Permit**	Footings:
☐Yes ☐No	Roof:
Roadside Tree Project Permit #	☐ State Certified Modular
	☐ Manufactured Home

Utilities	
Electric: ☑ Yes ☐ No	
Gas: ☐ Yes ☐ No	
Water Supply	
☐ Public	
☑ Private	
Sewage Disposal	
☐ Public	
☑ Private	
Heating System	
☐ Electric ☐ Oil	
☐ Natural Gas ☐ Propane Gas	
☐ Other:	
Sprinkler System:	
☐ Yes ☐ 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 ***Print Name*** Kristin Jackson

Email Address Kjackson49@earthlink.net ***Date*** 6/5/19

Title/Company Permit Mc

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

-FOR OFFICE USE ONLY-

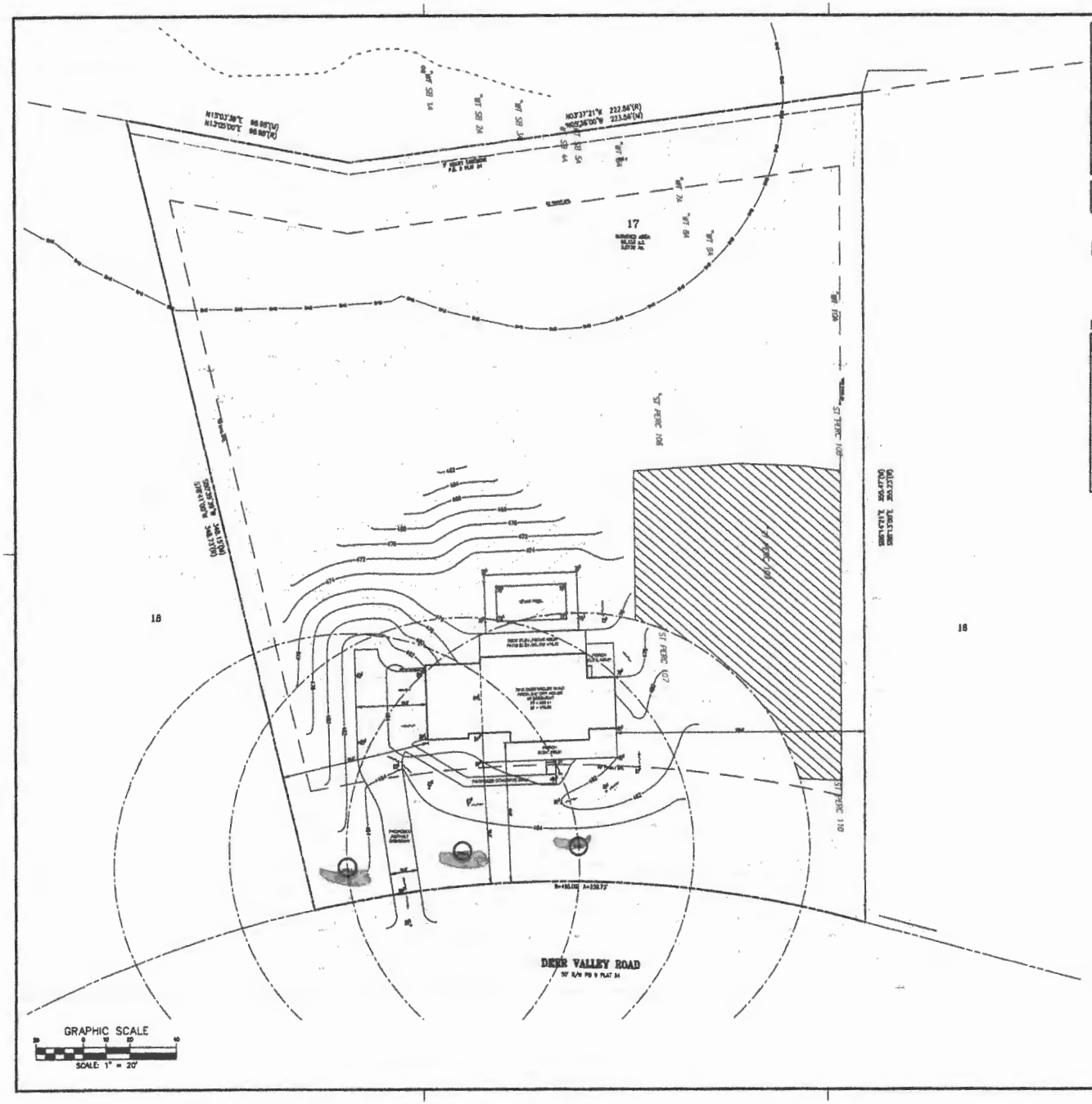
AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health	7/11/2019	

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

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

Filing Fee	$ 100
Permit Fee	$
Tech Fee	$
Excise Tax	$
PSFS	$
Guaranty Fund	$
Add'l per Fee	$
Total Fees	$
Sub- Total Paid	$
Balance Due	$
Check	# 17860

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



LEGEND

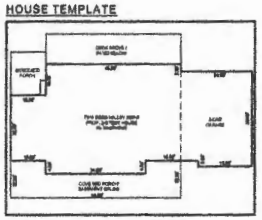
- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING SPOT GRADE ELEVATION
- EXISTING TREES
- EXISTING TREE LINE
- EX. DRAINAGE
- PROPOSED CONTOURS
- PROPOSED SPOT GRADE ELEVATION
- LIMIT OF DISTURBANCE
- SILT FENCE
- DEC. 1997 APPROX. PERC TEST LOC.
- PASSED PERC HOLE
- STABILIZED CONSTRUCTION ENTRANCE

SHEET INDEX

SHEET 1: PLAN VIEW
SHEET 2: NOTES AND DETAILS

AREA OF DISTURBANCE = 8,350 SQ. FT.

HOUSE TEMPLATE



GENERAL NOTES

1. ADDRESS: 7016 DEER VALLEY ROAD, HIGHLAND MD., LOT 17
2. LOT SIZE: 56,333 SQ. FT. / 1.2778 AC.
3. THE SUBJECT PROPERTY IS ZONED RR-DEO PER THE OCTOBER 9, 2012 COMPREHENSIVE ZONING PLAN.
4. TOPOGRAPHIC DATA SHOWN HEREON BASED ON CPJ FIELD VERIFIED TOPO CHARLES P. JOHNSON & ASSOCIATES, INC AUGUST 10, 2016.
5. TOPO AT 2' CONTOURS
6. NO TITLE REPORT WAS FURNISHED FOR THIS PLAN
7. NO CEMETERIES OR BURIAL GROUNDS EXIST ON-SITE
8. NO HISTORIC STRUCTURES EXIST ON-SITE
9. EXISTING UTILITY EASEMENT SHOWN HEREON IS TAKEN FROM P.B. 9, PLAT 54
10. NO WETLANDS EXIST ON-LOT
11. THERE ARE NO FOREST CONSERVATION EASEMENTS ON-LOT.
12. NO BOARD ROADS ARE ADJACENT TO THIS SITE
13. SITE ANALYSIS DATA:
    - LOCATION: TAX MAP: 40 PARCEL: 235 GRID: 3
    - ELECTION DISTRICT: FIFTH
    - ZONING: RR-DEO
    - TOTAL GROSS SITE AREA (LOT 17): 56,333 SQ. FT. / 1.2778 AC.
14. DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
    - WIDTH - 12 FEET (16 FEET SERVING MORE THAN ONE RESIDENCE)
    - SURFACE - 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1-1/2").
    - GEOMETRY - MAX 15% GRADE, MAX 10% GRADE CHANGE AND MIN. 45 FOOT TURNING RADIUS
    - DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD PLAIN WITH NO MORE THAN 1 FOOT OF DEPTH OVER DRIVEWAY SURFACE.
    - STRUCTURES (CULVERTS / BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING)
    - STRUCTURE CLEARANCES - MINIMUM 12 FEET.
    - MAINTENANCE - SUFFICIENT TO ENSURE ALL WEATHER USE
15. THE CONTRACTOR SHALL NOTIFY 'MISS UTILITY' AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
16. ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE
17. THERE IS A STREAM LOCATED OFF-SITE. THE ASSOCIATED BUFFER DOES EXTEND ON TO THE PROPERTY AS SHOWN.
18. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-6990 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
19. SED FACILITIES OWNED AND MAINTAINED BY THE PROPERTY OWNER

DEVELOPERS CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT FOR SEDIMENT AND EROSION CONTROL, AND THAT NEW EMPLOYABLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT THE DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT."

DEVELOPER / BUILDER _____ DATE _____

ENGINEER'S CERTIFICATION

"I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT AND THE 2011 MARYLAND STANDARDS & SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL."

LICENSE NUMBER: 32490
EXPIRATION DATE: 6-08-18
Seal not valid without signature

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

HOWARD SOIL CONSERVATION DISTRICT _____ DATE _____

SEQUENCE OF CONSTRUCTION

1. OBTAIN ALL REQUIRED GRADING, MOE PERMITS, APPROVALS AND LICENSES FROM APPROPRIATE AGENCIES.
2. NOTIFY SEDIMENT CONTROL INSPECTOR AT LEAST THREE (3) WORKING DAYS PRIOR TO STARTING WORK.
3. INSTALL STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE AND OTHER SEDIMENT CONTROL DEVICES AS SHOWN ON THE SEDIMENT CONTROL PLAN.
4. STABILIZE ALL THE GRADED AREAS UP TO 50' OUTSIDE OF THE LIMIT OF GRADING AS PER PERMANENT SEEDING NOTES.
5. EXCAVATE HOUSE FOUNDATION, HOUSE CONSTRUCTION, UTILITIES AND INSTALL SEPTIC.
6. ANY AREAS THAT CAN BE TEMPORARILY SEEDED DURING CONSTRUCTION MUST BE TEMPORARILY STABILIZED PER SEEDING NOTES.
7. INSTALL DRIVEWAY.
8. STABILIZE DISTURBED AREAS PER PERMANENT SEEDING NOTES.
9. UPON APPROVAL OF SEDIMENT CONTROL INSPECTOR, REMOVE ALL TEMPORARY SEDIMENT CONTROL DEVICES FOR HOUSE CONSTRUCTION.
10. NOTIFY INSPECTOR FOR FINAL INSPECTION.

PLOT PLAN & SEDIMENT CONTROL PLAN
7016 DEER VALLEY ROAD - LOT 17
SINGLE FAMILY RESIDENTIAL
TAX MAP-40 GRID-03 PARCEL-235 PLAT BOOK 9,P.54
CISSEL FARM-SECTION 3
CLARKSVILLE (5th) ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

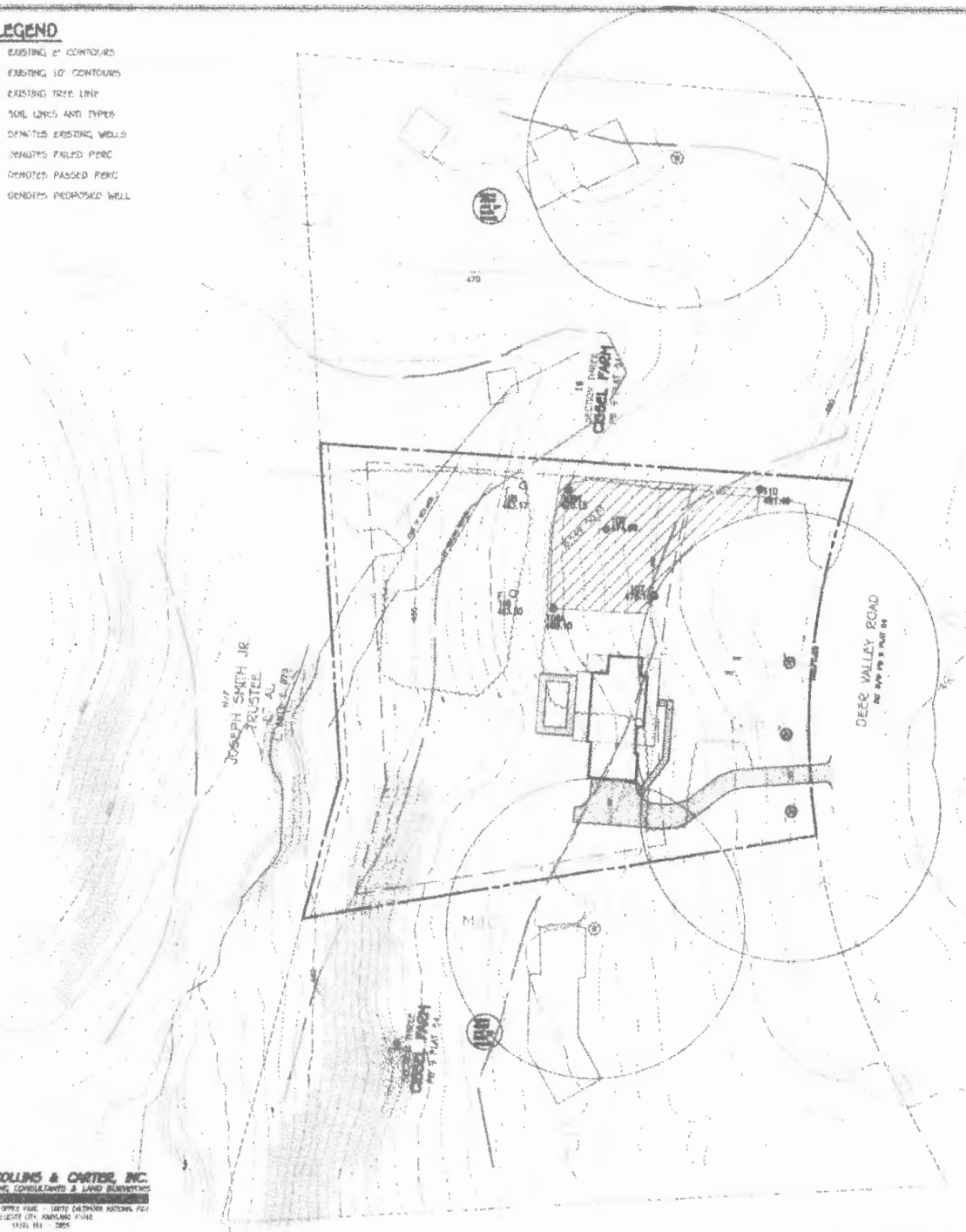
CPJ Associates
Charles P. Johnson & Associates, Inc.
Civil and Environmental Engineers • Planners • Landscape Architects • Surveyors
1751 Elton Rd., Ste. 300 Silver Spring, MD 20903 301-434-7000 FAX: 301 434 4504
www.cpja.com • Silver Spring, MD • Cumberland, MD • Annapolis, MD • College Park, MD • Frederick, MD • Raleigh, NC

CLIENT: MR. DAVE BAKER
2102 BELVEDERE BLVD
SILVER SPRING, MD 20902
240-264-1830

TAX MAP/PARCEL	SITE PLAN NO.
40	
DESIGN: RPI	SHEET 1 OF 2
DRAFT: RPI	
DATE: AUG 2018	
SCALE: AS NOTED	FILE NO.: 308-046-2

LEGEND

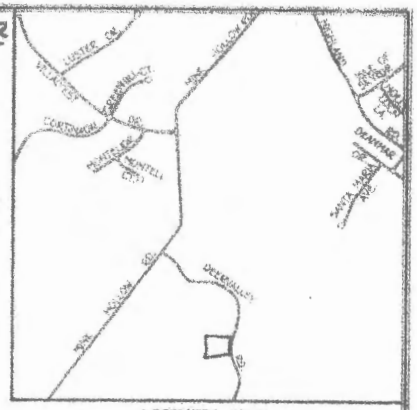
- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- DENOTES EXISTING WELLS
- DENOTES FAILED PERC
- DENOTES PASSED PERC
- DENOTES PROPOSED WELL



OWNER/DEVELOPER

DAVID AND REGINA BARRY
2602 BELVEDERE BLVD
SILVER SPRING MD 20902

THE PURPOSE OF THIS PLAN IS TO SHOW WHERE THE APPROVED PERC AREA IS LOCATED ON THE PROPERTY WITH THE PROPOSED WELL LOCATIONS



VICINITY MAP

SCALE : 1" = 1200'

GENERAL NOTES:

1. THIS AREA DESIGNATES A PRIVATE SEWAGE AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL FOR LOTS CREATED PRIOR TO MARCH OF 1972 IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SEPTIC APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS HEALTH OFFICER, HOWARD COUNTY HEALTH DEPT. DATE SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPARTMENT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECONDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY
2. ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
   THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
4. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM ALL REASONABLE EFFORTS.
5. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
6. TOPOGRAPHY SHOWN IS FROM CHARLES P. JOHNSON & ASSOCIATES, INC. AUGUST 15, 2008
7. BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
8. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN
9. DEED REFERENCE LIBER 8155 FOLIO 285.
10. WELL MUST BE DRILLED PRIOR TO BUILDING PERMIT APPROVAL

SOILS LEGEND

SOIL	NAME	CLASS
GgB	Glenelg loam, 3 to 8 percent slopes	B
GrB	Glenville-Baile silt loams, 0 to 8 percent slopes	C
MaC	Manor loam, 8 to 15 percent slopes	B

PERC CERTIFICATION

I certify that the locations shown hereon are the field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.

Signature of Professional Land Surveyor — 3/5/19 Date

Terrell A. Fisher, Professional Land Surveyor — MD Reg. No. 21212 Expires 12/13/19

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

By When for Maura Rossman — 2/13/2019

COUNTY HEALTH OFFICER — DATE

PERC CERTIFICATION PLAT

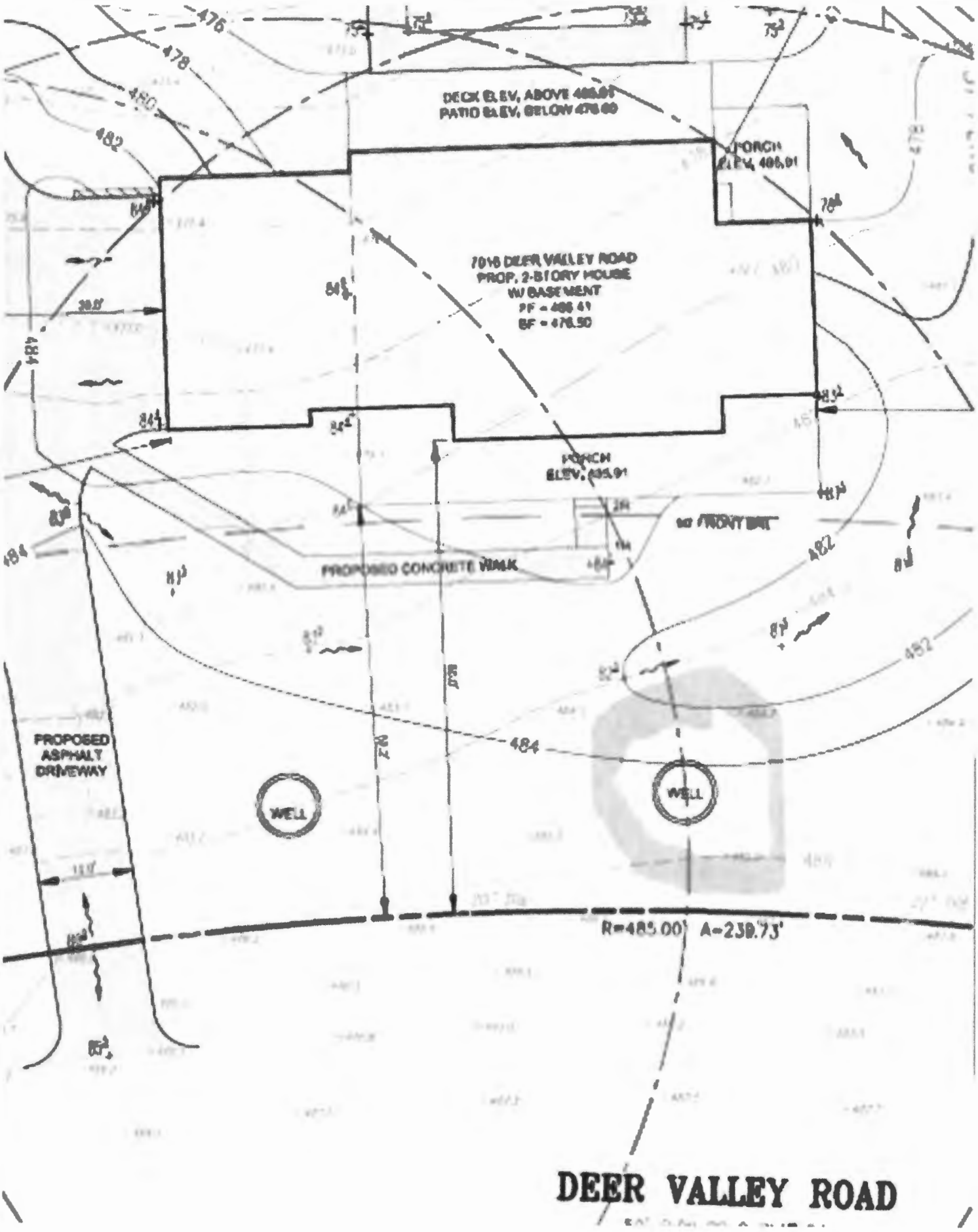
7016 DEER VALLEY

TAX MAP #40 — PARCEL: 235

FIFTH ELECTION DISTRICT — HOWARD COUNTY, MARYLAND

SCALE: 1"= 50' — DATE: FEBRUARY 5, 2019

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS


DECK ELEV. ABOVE 486.91
PATIO ELEV. BELOW 476.50
PORCH
ELEV. 486.91
7016 DEER VALLEY ROAD
PROP. 2-STORY HOUSE
W/ BASEMENT
FF = 486.41
BF = 476.50
PORCH
ELEV. 486.91
PROPOSED CONCRETE WALK
PROPOSED
ASPHALT
DRIVEWAY
WELL
WELL
R=485.00' A=239.73'
DEER VALLEY ROAD

LEGEND

- EXISTING 2' CONTOURS
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DAVID AND REGINA BARRY
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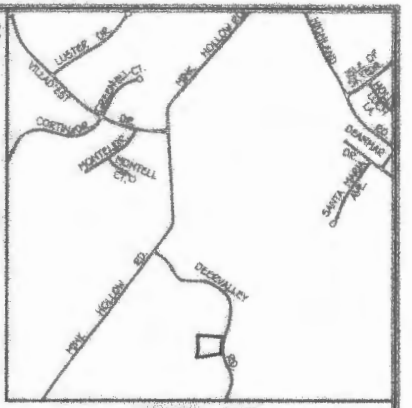

VICINITY MAP

SCALE : 1" = 1200'

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4. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM ALL REASONABLE EFFORTS.
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9. DEED REFERENCE LIBER 8956 FOLIO 283.
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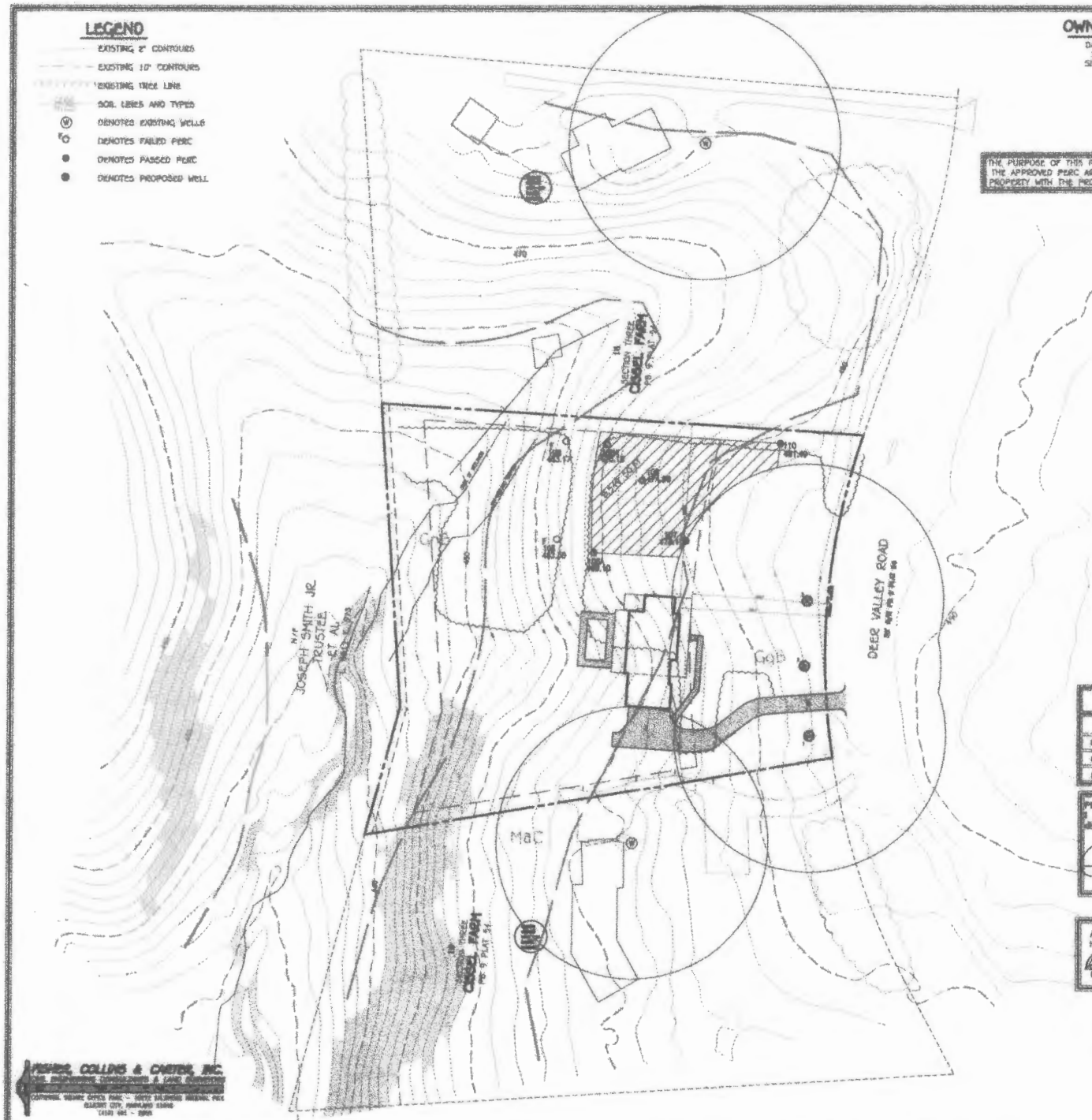


SOILS LEGEND

SOIL	NAME	CLASS
GaB	Glenelg loam, 3 to 8 percent slopes	B
GaB	Glenelg-Glelg alt loams, 0 to 8 percent slopes	C
MaC	Manor loam, 8 to 15 percent slopes	B

PERC CERTIFICATION
I certify that the locations shown on this plan as field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.

Signature of Professional Land Surveyor
Terrell A. Fisher, Professional Land Surveyor No. 21492 Expires 12/13/19

2/5/19
Date

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT.

COUNTY HEALTH OFFICER

2/13/2019
DATE

PERC CERTIFICATION PLAT

7016 DEER VALLEY

TAX MAP #40 — PARCEL: 235
FIFTH ELECTION DISTRICT — HOWARD COUNTY, MARYLAND
SCALE: 1"= 50' — DATE: FEBRUARY 5, 2019

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING & LAND SURVEYING
CHESAPEAKE BUSINESS PARK - 10272 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2855

7016 DEER VALLEY ROAD
PROP. 2-STORY HOUSE
W/ BASEMENT
FF = 486.41
BF = 476.50

3-CAR GARAGE
484.40

DECK ELEV. ABOVE 485.91
PATIO ELEV. BELOW 476.00

15'x30' POOL

PROPOSED POOL DECK

SEPTIC TANK

PORCH
ELEV. 485.91

RET. WALL
(<30")

PROPOSED
ASPHALT
DRIVEWAY
4%

PROPOSED CONCRETE WALK

50' FRONT BRL

FIRST SEPTIC SYSTEM

INITIAL SEPTIC SYSTEM

FOR SEPTIC INFORMATION
SEE PLAY PREPARED BY OTHERS

Approved for ORT
B1900252
8/13/19

1000 gal
Scale
1-20

under ground
propane

TOP
N #2
108'
= 10'

WELL

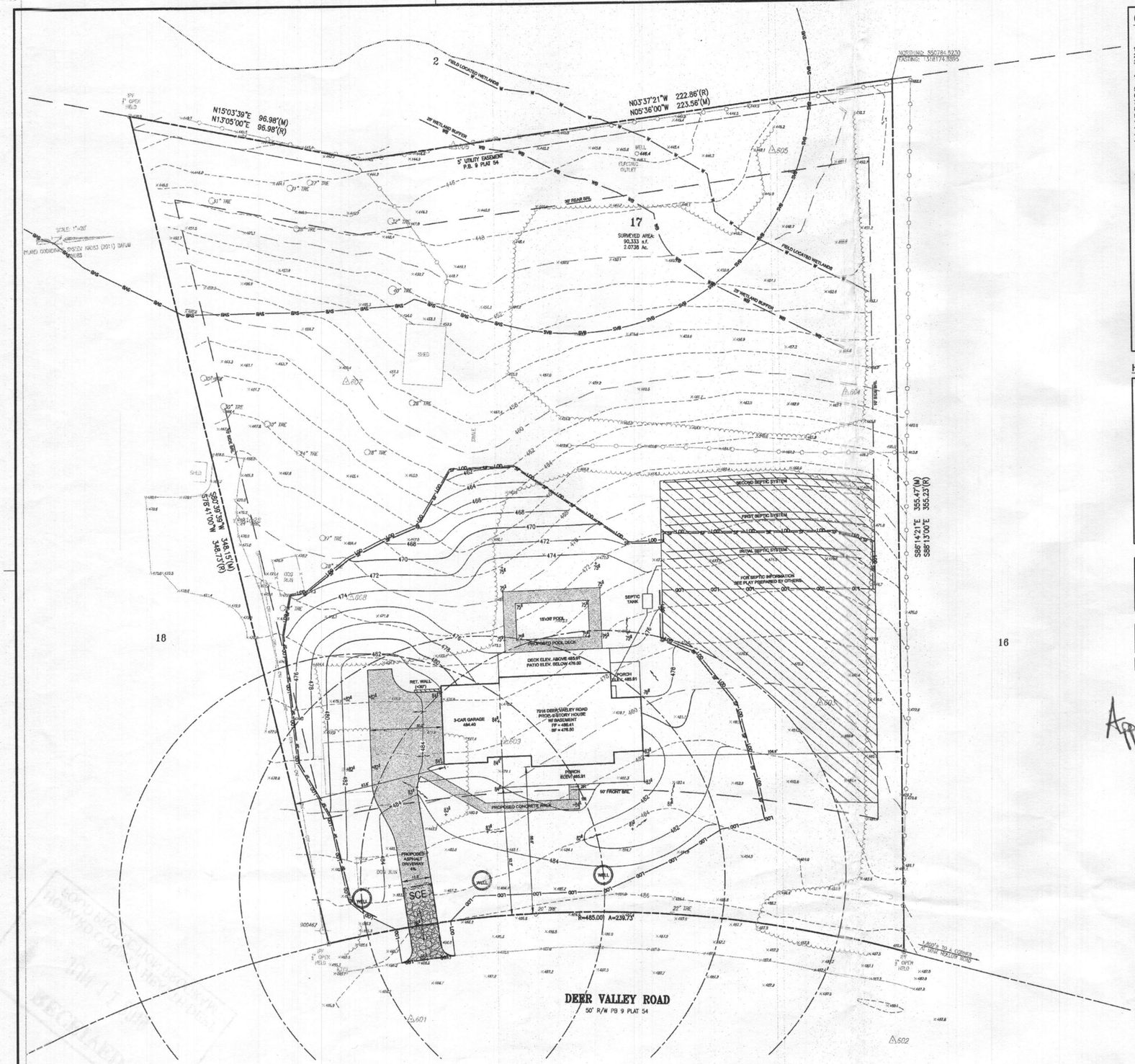
WELL

WELL

SCE

R=485.00' A=239.73'

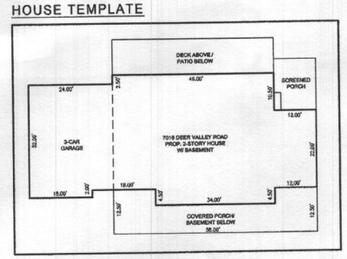
S86°14'21"E
S88°13'00"E



GENERAL NOTES

1. ADDRESS: 7016 DEER VALLEY ROAD, HIGHLAND MD., LOT 17
2. LOT SIZE: 90,333 SQ. FT. / 2.0738 AC.
3. THE SUBJECT PROPERTY IS ZONED RR-DEO PER THE OCTOBER 6, 2013 COMPREHENSIVE ZONING PLAN.
4. TOPOGRAPHIC DATA SHOWN HERON IS BASED ON CPJ FIELD VERIFIED TOPO CHARLES P. JOHNSON & ASSOCIATES, INC AUGUST 15, 2018.
5. TOPO AT 2' CONTOURS
6. NO TITLE REPORT WAS FURNISHED FOR THIS PLAN
7. NO CEMETERIES OR BURIAL GROUNDS EXIST ON-SITE
8. NO HISTORIC STRUCTURES EXIST ON-SITE
9. EXISTING UTILITY EASEMENT SHOWN HERON IS TAKEN FROM P.B. 9, PLAT 54
10. WETLANDS HAVE BEEN FIELD LOCATED AT REAR OF PROPERTY.
11. THERE ARE NO FOREST CONSERVATION EASEMENTS ON-LOT.
12. NO SCENIC ROADS ARE ADJACENT TO THIS SITE
13. SITE ANALYSIS DATA:
    - LOCATION: TAX MAP: 40 PARCEL: 235 GRID: 3
    - ELECTION DISTRICT: FIFTH
    - ZONING: RR-DEO
    - TOTAL GROSS SITE AREA (LOT 17): 90,333 SQ. FT. / 2.0738 AC.
14. DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
    - WIDTH - 12 FEET (16 FEET SERVING MORE THAN ONE RESIDENCE)
    - SURFACE - 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1-1/2")
    - GEOMETRY - MAX 15% GRADE, MAX 10% GRADE CHANGE AND MIN. 45 FOOT TURNING RADIUS
    - DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD PLAIN WITH NO MORE THAN 1 FOOT OF DEPTH OVER DRIVEWAY SURFACE.
    - STRUCTURES (CULVERTS / BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING)
    - STRUCTURE CLEARANCES - MINIMUM 12 FEET.
    - MAINTENANCE - SUFFICIENT TO ENSURE ALL WEATHER USE
15. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
16. ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPERS EXPENSE.
17. THERE IS A STREAM LOCATED OFF-SITE. THE ASSOCIATED BUFFER DOES EXTEND ON TO THE PROPERTY AS SHOWN.
18. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
19. ESD FACILITIES OWNED AND MAINTAINED BY THE PROPERTY OWNER

HOUSE TEMPLATE

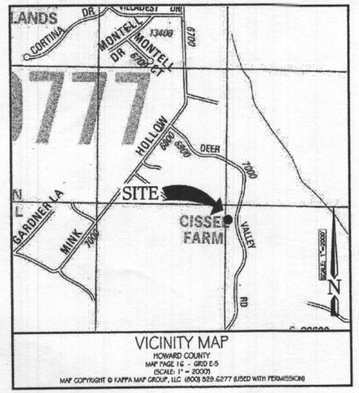


IMPERVIOUS AREA	
HOUSE, AND FRONT PORCH	3,240 sf
NEW DRIVEWAY AND WALKWAY	2,427 sf
POOL, POOL DECK, AND PATIO	1,634 sf
TOTAL =	7,301 sf

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
17	7016 DEER VALLEY ROAD

NOTE: LESS THAN 3,000 SQ. FT OF FOREST BEING REMOVED

Approved B19001829
RJE 7/11/2019



VICINITY MAP
HOWARD COUNTY
MAP PAGE 16 - GRID E-5
SCALE: 1" = 2000'

LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- 331.0 EXISTING SPOT GRADE ELEVATION
- EXISTING TREES
- EXISTING TREE LINE
- EX. DRIVEWAY
- PROPOSED CONTOURS
- 01+5 PROPOSED SPOT GRADE ELEVATION
- LOD LIMIT OF DISTURBANCE
- SF SILT FENCE
- X ORANGE SAFETY FENCE
- DEC. 1987 APPROX. PERC TEST LOC.
- PASSED PERC HOLE
- SCE STABILIZED CONSTRUCTION ENTRANCE

SHEET INDEX

SHEET 1: PLAN VIEW
SHEET 2: NOTES AND DETAILS

AREA OF DISTURBANCE: 28,073 SQ. FT.

DEVELOPER'S CERTIFICATE

"WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT FOR SEDIMENT AND EROSION CONTROL, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT THE DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT."

DEVELOPER / BUILDER — DATE 6/3/19

ENGINEER'S CERTIFICATION

"I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT AND THE 2011 MARYLAND STANDARDS & SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL."

6/3/19

LICENSE NUMBER: 49288
EXPIRATION DATE: 05-12-20
Seal not valid without signature

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

HOWARD SOIL CONSERVATION DISTRICT — DATE

SEQUENCE OF CONSTRUCTION

1. OBTAIN ALL REQUIRED GRADING, MDE PERMITS, APPROVALS AND LICENSES FROM APPROPRIATE AGENCIES.
2. NOTIFY SEDIMENT CONTROL INSPECTOR AT LEAST THREE (3) WORKING DAYS PRIOR TO STARTING WORK.
3. INSTALL STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE AND OTHER SEDIMENT CONTROL DEVICES AS SHOWN ON THE SEDIMENT CONTROL PLAN.
4. STABILIZE ALL THE GRADED AREAS UP TO 20' OUTSIDE OF THE LIMIT OF GRADING AS PER PERMANENT SEEDING NOTES.
5. EXCAVATE HOUSE FOUNDATION, HOUSE CONSTRUCTION, UTILITIES AND INSTALL SEPTIC.
6. ANY AREAS THAT CAN BE TEMPORARILY SEEDED DURING CONSTRUCTION MUST BE TEMPORARILY STABILIZED PER SEEDING NOTES.
7. INSTALL DRIVEWAY
8. STABILIZE DISTURBED AREAS PER PERMANENT SEEDING NOTES.
9. UPON APPROVAL OF SEDIMENT CONTROL INSPECTOR, REMOVE ALL TEMPORARY SEDIMENT CONTROL DEVICES FOR HOUSE CONSTRUCTION.
10. NOTIFY INSPECTOR FOR FINAL INSPECTION.

PLOT PLAN & SEDIMENT CONTROL PLAN
7016 DEER VALLEY ROAD - LOT 17
SINGLE FAMILY RESIDENTIAL
TAX MAP-40 GRID-03 PARCEL-235 PLAT BOOK 9,P.54
CISSEL FARM-SECTION 3
CLARKSVILLE (5th) ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

CPJ Associates
Charles P. Johnson & Associates, Inc.
Civil and Environmental Engineers • Planners • Landscape Architects • Surveyors
1751 Elton Rd., Ste. 300 Silver Spring, MD 20903 301-434-7000 Fax: 301-434-9394
www.cpja.com • Silver Spring, MD • Gaithersburg, MD • Annapolis, MD • College Park, MD • Frederick, MD • Fairfax, VA

CLIENT: MR. DAVE BARRY
1802 BELVEDERE BLVD.
SILVER SPRING, MD 20902
240-398-1838

TAX MAP/WSSC	40
DESIGN	RPI
DRAFT	RPI
DATE	AUG. 2018
SCALE	AS NOTED
SITE PLAN NO.	
SHEET	1 OF 2
FILE NO:	2018-1346-21

Attached Xrefs:06-01/TOPO/_TB24x36 - PLANNING/TB24x36/FIELD PLATS

B-4-2 STANDARDS AND SPECIFICATIONS FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS

Definition

The process of preparing the soils to sustain adequate vegetative stabilization.

Purpose

To provide a suitable soil medium for vegetative growth.

Conditions Where Practice Applies

Where vegetative stabilization is to be established.

Criteria

A. Soil Preparation

1. Temporary Stabilization
   a. Seedbed preparation consists of loosening soil to a depth of 3 to 5 inches by means of suitable agricultural or construction equipment, such as disc harrows or chisel plows or rippers mounted on construction equipment. After the soil is loosened, it must not be rolled or dragged smooth but left in the roughened condition. Slopes 3:1 or flatter are to be tracked with ridges running parallel to the contour of the slope.
   b. Apply fertilizer and lime as prescribed on the plans.
   c. Incorporate lime and fertilizer into the top 3 to 5 inches of soil by disking or other suitable means.
2. Permanent Stabilization
   a. A soil test is required for any earth disturbance of 5 acres or more. The minimum soil conditions required for permanent vegetative establishment are:
      i. Soil pH between 6.0 and 7.0.
      i. Soluble salts less than 500 parts per million (ppm).
      iii. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture. An exception: if lovegrass will be planted, then a sandy soil (less than 30 percent silt plus clay) would be acceptable.
      iv. Soil contains 1.5 percent minimum organic matter by weight.
      v. Soil contains sufficient pore space to permit adequate root penetration.
   b. Application of amendments or topsoil is required if on-site soils do not meet the above conditions.
   c. Graded areas must be maintained in a true and even grade as specified on the approved plan, then scarified or otherwise loosened to a depth of 3 to 5 inches.
   d. Apply soil amendments as specified on the approved plan or as indicated by the results of a soil test.
   e. Mix soil amendments into the top 3 to 5 inches of soil by disking or other suitable means. Rake lawn areas to smooth the surface, remove large objects like stones and branches, and ready the area for seed application. Loosen surface soil by dragging with a heavy chain or other equipment to roughen the surface where site conditions will not permit normal seedbed preparation. Track slopes 3:1 or flatter with tracked equipment leaving the soil in an irregular condition with ridges running parallel to the contour of the slope. Leave the top 1 to 3 inches of soil loose and friable. Seedbed loosening may be unnecessary on newly disturbed areas.

B. Topsoiling

1. Topsoil is placed over prepared subsoil prior to establishment of permanent vegetation. The purpose is to provide a suitable soil medium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.
2. Topsoil salvaged from an existing site may be used provided it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-NRCS.
3. Topsoiling is limited to areas having 2:1 or flatter slopes where:
   a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
   b. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
   c. The original soil to be vegetated contains material toxic to plant growth.
   d. The soil is so acidic that treatment with limestone is not feasible.
4. Areas having slopes steeper than 2:1 require special consideration and design.
5. Topsoil Specifications: Soil to be used as topsoil must meet the following criteria:
   a. Topsoil must be a loam, sandy loam, clay loam, silt loam, sandy clay loam, or loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Topsoil must not be a mixture of contrasting textured subsoils and must contain less than 5 percent by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1½ inches in diameter.
   b. Topsoil must be free of noxious plants or plant parts such as Bermuda grass, quack grass, Johnson grass, nut sedge, poison ivy, thistle, or others as specified.
   c. Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority, may be used in lieu of natural topsoil.
6. Topsoil Application
   a. Erosion and sediment control practices must be maintained when applying topsoil.
   b. Uniformly distribute topsoil in a 5 to 8 inch layer and lightly compact to a minimum thickness of 4 inches. Spreading is to be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations must be corrected in order to prevent the formation of depressions or water pockets.
   c. Topsoil must not be placed if the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.

C. Soil Amendments (Fertilizer and Lime Specifications)

1. Soil tests must be performed to determine the exact ratios and application rates for both lime and fertilizer on sites having disturbed areas of 5 acres or more. Soil analysis may be performed by a recognized private or commercial laboratory. Soil samples taken for engineering purposes may also be used for chemical analyses.
2. Fertilizers must be uniform in composition, free flowing and suitable for accurate application by appropriate equipment. Manure may be substituted for fertilizer with prior approval from the appropriate approval authority. Fertilizers must all be delivered to the site fully labeled according to the applicable laws and must bear the name, trade name or trademark and warranty of the producer.
3. Lime materials must be ground limestone (hydrated or burnt lime may be substituted except when hydroseeding) which contains at least 50 percent total oxides (calcium oxide plus magnesium oxide). Limestone must be ground to such fineness that at least 50 percent will pass through a #100 mesh sieve and 98 to 100 percent will pass through a #20 mesh sieve.
4. Lime and fertilizer are to be evenly distributed and incorporated into the top 3 to 5 inches of soil by disking or other suitable means.
5. Where the subsoil is either highly acidic or composed of heavy clays, spread ground limestone at the rate of 4 to 8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil.

TEMPORARY SEEDING SUMMARY

Hardiness Zone (from Figure B.3): 6b
Seed Mixture (from Table B.1): _____

NO.	Species	Application Rate (lb/ac)	Seeding Dates	Seeding Depths	Fertilizer Rate (10-10-20)	Lime Rate
-	ANNUAL RYEGRASS	40	Mar.1 - May 15 and Aug.1 - Oct. 15	0.5 INCHES	498 lb/ac (10lb/1000 sf)	2 tons/ac (90lb/1000 sf)
	FOXTAIL MILLET	30	June 1 - July 31	0.5 INCHES		

PERMANENT SEEDING SUMMARY

Hardiness Zone (from Figure B.3): 6B
Seed Mixture (from Table B.3): 11

NO.	Species	Application Rate (lbs/ac)	Seeding Dates	Seeding Depths	Fertilizer Rate (10-20-20) N	P_2O_5	K_2O	Lime Rate
	KENTUCKY BLUEGRASS	20	Mar.1 - May 15 and Aug.1 - Oct.15	¼ - ½ in.	45 pounds per acre (1.0lb/ 1000 sf)	90 lb/ac (2lb/1000 sf)	90 lb/ac (90lb/1000 sf)	2 tons/ac (90lb/1000 sf)

B-4-3 STANDARDS AND SPECIFICATIONS FOR SEEDING AND MULCHING

Definition

The application of seed and mulch to establish vegetative cover.

Purpose

To protect disturbed soils from erosion during and at the end of construction.

Conditions Where Practice Applies

To the surface of all perimeter controls, slopes, and any disturbed area not under active grading.

Criteria

A. Seeding

1. Specifications
   a. All seed must meet the requirements of the Maryland State Seed Law. All seed must be subject to re-testing by a recognized seed laboratory. All seed used must have been tested within the 6 months immediately preceding the date of sowing such material on any project. Refer to Table B.4 regarding the quality of seed. Seed tags must be available upon request to the inspector to verify type of seed and seeding rate.
   b. Mulch alone may be applied between the fall and spring seeding dates only if the ground is frozen. The appropriate seeding mixture must be applied when the ground thaws.
   c. Inoculants: The inoculant for treating legume seed in the seed mixtures must be a pure culture of nitrogen fixing bacteria prepared specifically for the species. Inoculants must not be used later than the date indicated on the container. Add fresh inoculants as directed on the package. Use four times the recommended rate when hydroseeding. Note: It is very important to keep inoculant as cool as possible until used. Temperatures above 75 to 80 degrees Fahrenheit can weaken bacteria and make the inoculant less effective.
2. Application
   a. Dry Seeding: This includes use of conventional drop or broadcast spreaders.
      i. Incorporate seed into the subsoil at the rates prescribed on Temporary Seeding Table B.1, Permanent Seeding Table B.3, or site-specific seeding summaries.
      ii. Apply seed in two directions, perpendicular to each other. Apply half the seeding rate in each direction. Roll the seeded area with a weighted roller to provide good seed to soil contact.
   b. Drill or Cultipacker Seeding: Mechanized seeders that apply and cover seed with soil.
      i. Cultipacking seeders are required to bury the seed in such a fashion as to provide at least 1/4 inch of soil covering. Seedbed must be firm after planting.
      ii. Apply seed in two directions, perpendicular to each other. Apply half the seeding rate in each direction.
   c. Hydroseeding: Apply seed uniformly with hydroseeder (slurry includes seed and fertilizer).
      i. If fertilizer is being applied at the time of seeding, the application rates should not exceed the following: nitrogen, 100 pounds per acre total of soluble nitrogen; P2O5 (phosphorous), 200 pounds per acre; K2O (potassium), 200 pounds per acre.
      ii. Lime: Use only ground agricultural limestone (up to 3 tons per acre may be applied by hydroseeding). Normally, not more than 2 tons are applied by hydroseeding at any one time. Do not use burnt or hydrated lime when hydroseeding.
      iii. Mix seed and fertilizer on site and seed immediately and without interruption.
      iv. When hydroseeding do not incorporate seed into the soil.

B. Mulching

1. Mulch Materials (in order of preference)
   a. Straw consisting of thoroughly threshed wheat, rye, oat, or barley and reasonably bright in color. Straw is to be free of noxious weed seeds as specified in the Maryland Seed Law and not musty, moldy, caked, decayed, or excessively dusty. Note: Use only sterile straw mulch in areas where one species of grass is desired.
   b. Wood Cellulose Fiber Mulch (WCFM) consisting of specially prepared wood cellulose processed into a uniform fibrous physical state.
      i. WCFM is to be dyed green or contain a green dye in the package that will provide an appropriate color to facilitate visual inspection of the uniformly spread slurry.
      ii. WCFM, including dye, must contain no germination or growth inhibiting factors.
      iii. WCFM materials are to be manufactured and processed in such a manner that the wood cellulose fiber mulch will remain in uniform suspension in water under agitation and will blend with seed, fertilizer and other additives to form a homogeneous slurry. The mulch material must form a blotter-like ground cover, on application, having moisture absorption and percolation properties and must cover and hold grass seed in contact with the soil without inhibiting the growth of the grass seedlings.
      iv. WCFM material must not contain elements or compounds at concentration levels that will be phyto-toxic.
      v. WCFM must conform to the following physical requirements: fiber length of approximately 10 millimeters, diameter approximately 1 millimeter, pH range of 4.0 to 8.5, ash content of 1.6 percent maximum and water holding capacity of 90 percent minimum.
2. Application
   a. Apply mulch to all seeded areas immediately after seeding.
   b. When straw mulch is used, spread it over all seeded areas at the rate of 2 tons per acre to a uniform loose depth of 1 to 2 inches. Apply mulch to achieve a uniform distribution and depth so that the soil surface is not exposed. When using a mulch anchoring tool, increase the application rate to 2.5 tons per acre.
   c. Wood cellulose fiber used as mulch must be applied at a net dry weight of 1500 pounds per acre. Mix the wood cellulose fiber with water to attain a mixture with a maximum of 50 pounds of wood cellulose fiber per 100 gallons of water.
3. Anchoring
   a. Perform mulch anchoring immediately following application of mulch to minimize loss by wind or water. This may be done by one of the following methods (listed by preference), depending upon the size of the area and erosion hazard:
      i. A mulch anchoring tool is a tractor drawn implement designed to punch and anchor mulch into the soil surface a minimum of 2 inches. This practice is most effective on large areas, but is limited to flatter slopes where equipment can operate safely. If used on sloping land, this practice should follow the contour.
      ii. Wood cellulose fiber may be used for anchoring straw. Apply the fiber binder at a net dry weight of 750 pounds per acre. Mix the wood cellulose fiber with water at a maximum of 50 pounds of wood cellulose fiber per 100 gallons of water.
      iii. Synthetic binders such as Acrylic DLR (Agro-Tack), DCA-70, Petroset, Terra Tax II, Terra Tack AR or other approved equal may be used. Follow application rates as specified by the manufacturer. Application of liquid binders needs to be heavier at the edges where wind catches mulch, such as in valleys and on crests of banks. Use of asphalt binders is strictly prohibited.
      iv. Lightweight plastic netting may be stapled over the mulch according to manufacturer recommendations. Netting is usually available in rolls 4 to 15 feet wide and 300 to 3,000 feet long.

HOWARD SOIL CONSERVATION DISTRICT (HSCD) STANDARD SEDIMENT CONTROL NOTES

1. A pre-construction meeting must occur with the Howard County Department of Public Works, Construction Inspection Division (CID), 410-313-1855 after the future LOD and protected areas are marked clearly in the field. A minimum of 48 hour notice to CID must be given at the following stages:
   Prior to the start of earth disturbance,
   Upon completion of the installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading,
   Prior to the start of another phase of construction or opening of another grading unit,
   Prior to the removal or modification of sediment control practices.
   Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made. Other related state and federal permits shall be referenced, to ensure coordination and to avoid conflicts with this plan.
2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, and revisions thereto.
3. Following initial soil disturbance or re-disturbance, permanent or temporary stabilization is required within three (3) calendar days as to the surface of all perimeter controls, dikes, swales, ditches, perimeter slopes, and all slopes steeper than 3 horizontal to 1 vertical (3:1); and seven (7) calendar days as to all other disturbed areas on the project site except for those areas under active grading.
4. All disturbed areas must be stabilized within the time period specified above in accordance with the 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for topsoil (Sec. B-4-2), permanent seeding (Sec. B-4-5), temporary seeding (Sec. B-4-4) and mulching (Sec. B-4-3). Temporary stabilization with mulch alone can only be applied between the fall and spring seeding dates if the ground is frozen. Supplemental soil stabilization (Sec. B-4-1) specifications shall be enforced in areas with >15' of cut and/or fill. Stockpiles (Sec. B-4-8) in excess of 20 ft. must be benched with stable outlet. All concentrated flow, steep slops, and highly erodible areas shall receive soil stabilization matting (Sec. B-4-6).
5. All sediment control structures are to remain in place, and are to be maintained in operative condition until permission for their removal has been obtained from the CID.
6. Site Analysis:
   Total Area of Site: 2.07 Acres
   Area Disturbed: 0.64 Acres
   Area to be roofed or paved: 0.17 Acres
   Area to be vegetatively stabilized: 0.38 Acres
   Total Cut: 601 Cu. Yds.
   Total Fill: 1,777 Cu. Yds.
   Offsite waste/borrow area location: T.B.D.
7. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
8. Additional sediment control must be provided, if deemed necessary by the CID. The site and all controls shall be inspected by the contractor weekly; and the next day after each rain event. A written report by the contractor, made available upon request, is part of every inspection and should include:
   Inspection date
   Inspection type (routine, pre-storm event, during rain event)
   Name and title of inspector
   Weather information (current conditions as well as time and amount of last recorded precipitation)
   Brief description of project's status (e.g., percent complete) and/or current activities
   Evidence of sediment discharges
   Identification of plan deficiencies
   Identification of sediment controls that require maintenance
   Identification of missing or improperly installed sediment controls
   Compliance status regarding the sequence of construction and stabilization requirements
   Photographs
   Monitoring/sampling
   Maintenance and/or corrective action performed
   Other inspection items as required by the General Permit for Stormwater Associated with Construction Activities (NPDES, MDE).
9. Trenches for the construction of utilities is limited to three pipe lengths or that which can and shall be back-filled and stabilized by the end of each workday, whichever is shorter.
10. Any major changes or revisions to the plan or sequence of construction must be reviewed and approved by the HSCD prior to proceeding with construction. Minor revisions may allowed by the CID per the list of HSCD-approved field changes.
11. Disturbance shall not occur outside the L.O.D. A project is to be sequenced so that grading activities begin on one grading unit (maximum acreage of 20 ac. per grading unit) at a time. Work may proceed to a subsequent grading unit when at least 60 percent of the disturbed area in the preceding grading unit has been stabilized and approved by the CID. Unless otherwise specified and approved by the HSCD, no more than 30 acres cumulatively may be disturbed at a given time.
12. Wash water from any equipment, vehicles, wheels, pavement, and other sources must be treated in a sediment basin or other approved washout structure.
13. Topsoil shall be stockpiled and preserved on-site for redistribution onto final grade.
14. All Silt Fence and Super Silt Fence shall be placed on-the-contour, and be imbricated at 25' minimum intervals, with lower ends curled uphill by 2' in elevation.
15. Stream channels must not be disturbed during the following restricted time periods (inclusive):
    Use I and IP March 1 - June 15
    Use III and IIIP October 1 - April 30
    Use IV March 1 - May 31
16. A copy of this plan, the 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, and associated permits shall be on-site and available whenthe site is active.

B-4-5 STANDARDS AND SPECIFICATIONS PERMANENT STABILIZATION

Definition

To stabilize disturbed soils with permanent vegetation.

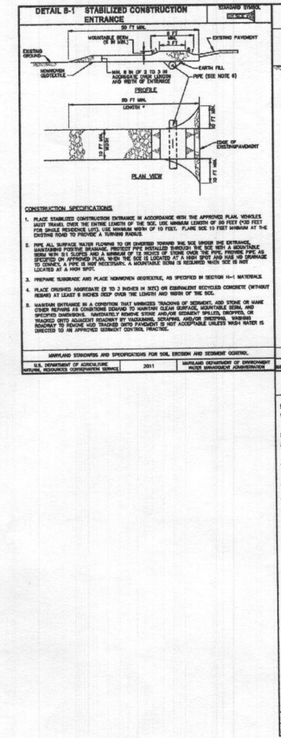
Purpose

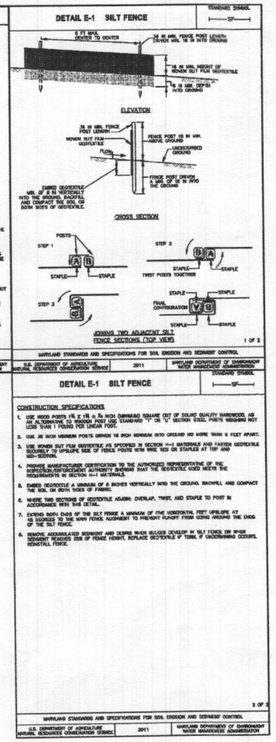
To use long-lived perennial grasses and legumes to establish permanent ground cover on disturbed soils.

Conditions Where Practice Applies

Exposed soils where ground cover is needed for 6 months or more.

A. Seed Mixtures
1. General Use
   a. Select one or more of the species or mixtures listed in Table B.3 for the appropriate Plant Hardiness Zone (from Figure B.3) and based on the site condition of purpose found on Table B.2. Enter selected mixture(s), application rates, and seeding dates in the Permanent Seeding Summary. The Summary is to be placed on the plan.
   b. Additional planting specifications for exceptional sites such as shorelines, stream banks, or dunes or for special purposes such as wildlife or aesthetic treatment may be found in USDA-NRCS Technical Field Office Guide, Section 342 - Critical Area Planting.
   c. For sites having disturbed area over 5 acres, use and show the rates recommended by the soil testing agency.
   d. For areas receiving low maintenance, apply urea form fertilizer (46-0-0) at 3 ⅓ pounds per 1000 square feet (150 pounds per acre) at the time of seeding in addition to the soil amendments shown in the Permanent Seeding Summary). .
2. Turfgrass Mixtures
   a. Areas where turfgrass may be desired include lawns, parks, playgrounds, and commercial sites which will receive a medium to high level of maintenance.
   b. Select one or more of the species or mixtures listed below based on the site conditions of purpose. Enter selected mixture(s), application rates, and seeding dates in the Permanent Seeding Summary). The Summary is to be placed on the plan.
   i. Kentucky Bluegrass: Full Sun Mixture: For use in areas that receive intensive management. Irrigation required in the areas of central Maryland and Eastern Shore. Recommended Certified Kentucky Bluegrass Cultivars Seeding Rate: 1.5102.0 pounds per 1000 square feet. Choose a minimum of three Kentucky bluegrass cultivars with each ranging from the 10 to 35 percent of the total mixture by weight.
   ii. Kentucky Bluegrass/Perennial Rye: Full Sun Mixture: For use in full sun areas where





DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT FOR SEDIMENT AND EROSION CONTROL, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT THE DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT."

DEVELOPER / BUILDER _____ DATE 6/3/19

ENGINEER'S CERTIFICATION

"I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT AND THE 2011 MARYLAND STANDARDS & SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL."

6/3/19

LICENSE NUMBER: 49288
EXPIRATION DATE: 05-12-20
Seal not valid without signature

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

HOWARD SOIL CONSERVATION DISTRICT _____ DATE

PLOT PLAN & SEDIMENT CONTROL PLAN
7016 DEER VALLEY ROAD - LOT 17
SINGLE FAMILY RESIDENTIAL
TAX MAP-40 GRID-03 PARCEL-235 PLAT BOOK 9,P.54
CISSEL FARM-SECTION 3
CLARKSVILLE (5th) ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

CPJ Associates
Charles P. Johnson & Associates, Inc.
Civil and Environmental Engineers • Planners • Landscape Architects • Surveyors
1751 Elton Rd., Ste. 300 Silver Spring, MD 20903 301-434-7000 Fax: 301-434-9394
www.cpja.com • Silver Spring, MD • Gaithersburg, MD • Annapolis, MD • College Park, MD • Frederick, MD • Fairfax, VA

CLIENT: MR. DAVE BARRY
1802 BELVEDERE BLVD.
SILVER SPRING, MD 20902
240-398-1528

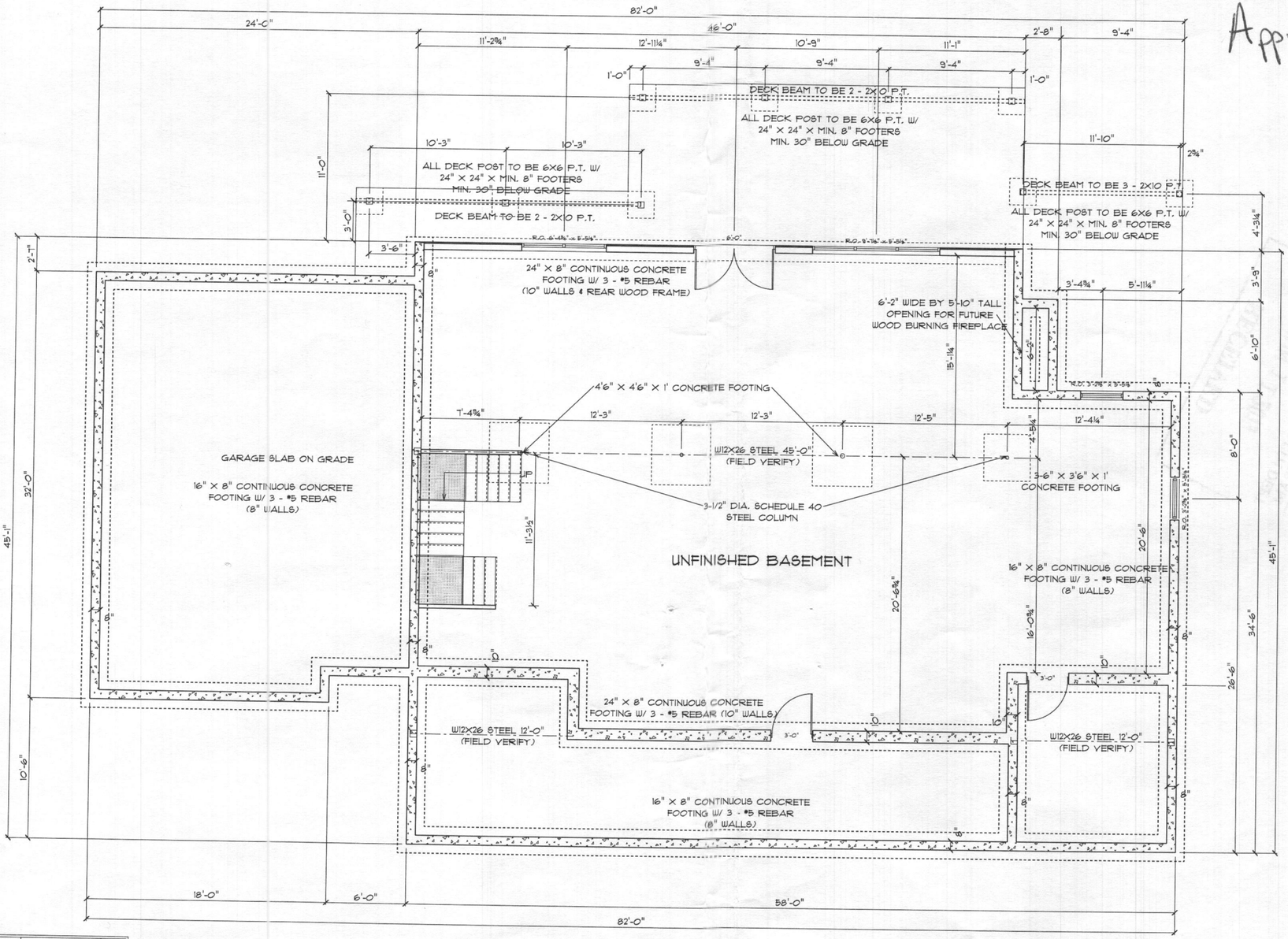
TAX MAP/WSSC	SITE PLAN NO.
40	
DESIGN RPI	SHEET 2 OF 2
DRAFT RPI	
DATE AUG. 2018	FILE NO: 2018-1346-21
SCALE AS NOTED	

HEALTH DEPT

B19001829

Approved for 5BR
7/11/2019 RLE

(Includes Study)



PRODUCT CODE	R.O. SIZE	COUNT
72X80 FRENCH A 2	R.O. 6'-3"	1
36X80 COLONIAL A 1	R.O. 3'-2"	2
MRADH3052-2	R.O. 6'-4¾" x 5'-5⅛"	
MRADH3052-3	R.O. 9'-7⅛" x 5'-5⅛"	1
MRADH3052	R.O. 3'-2⅜" x 5'-5⅛"	2

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

ROOF PEAK 34'-0" ABOVE 1ST DECK
FASCIA 21'-0" ABOVE 1ST DECK

Component Concepts, Inc.
P.O. BOX 242 PHONE:(410) 820-9408
TILGHMAN, MD 21671 FAX:(410) 820-9409

BARRY RESIDENCE

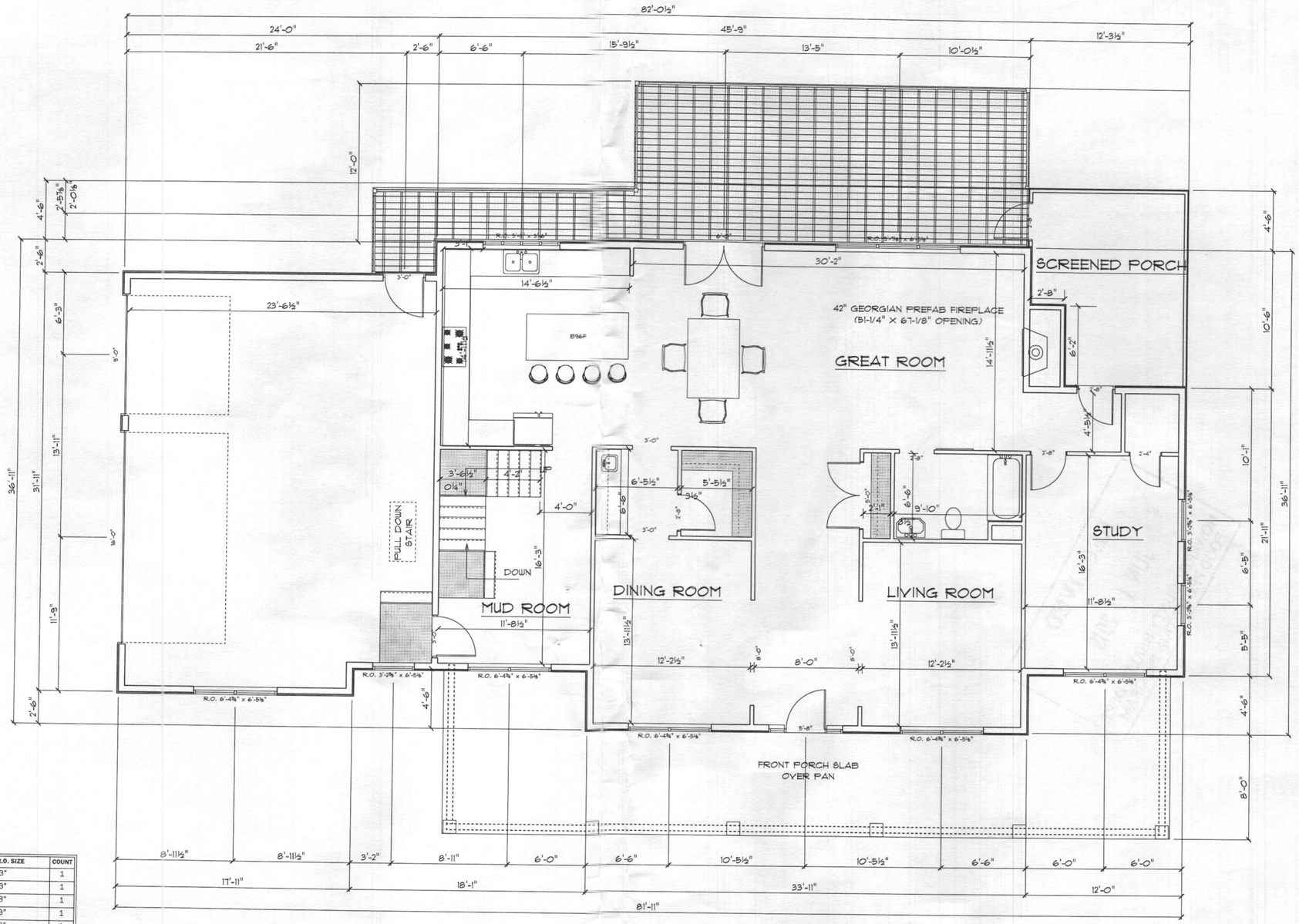
DRAWN: LARRY HILL
TRUSS DESIGNER

SCALE: AS NOTED

PROJECT NUMBER:
180107

ISSUE: 3.26.19
REV 1: 3.18.19

A1.1



PRODUCT CODE	R.O. SIZE	COUNT
36X96 COLONIAL A 1	R.O. 3'-3"	1
36X96 COUNTRY A 1-MODIFIED	R.O. 3'-3"	1
68X96 RH ENTRY - 2 SL - TRANSOM	R.O. 5'-8"	1
36X96 FRENCH A 1-MODIFIED	R.O. 3'-3"	1
72X96 FRENCH A 2	R.O. 6'-3"	1
108X108 - 1 PANEL	R.O. 9'-3"	1
192X108 - 2 PANEL	R.O. 16'-3"	1
54X96 BIFOLD COLONIAL 2	R.O. 4'-6"	1
28X96 COLONIAL A 1	R.O. 2'-6"	1
32X96 COLONIAL A 1	R.O. 2'-10"	1
32X96 FRENCH A 1	R.O. 2'-10"	1
MRACA1535-4	R.O. 5'-11" x 3'-6"	1
MRADH3062-2	R.O. 6'-4¾" x 6'-5⅛"	5
MRADH3062-3	R.O. 9'-7⅛" x 6'-5⅛"	1
MRADH3062	R.O. 3'-2⅝" x 6'-5⅛"	3

1ST FLOOR PLAN

SCALE: 1/4" = 1'-0"

Component Concepts, Inc.
P.O. BOX 242 PHONE:(410) 820-9408
TILGHMAN, MD 21671 FAX:(410) 820-9409

BARRY RESIDENCE

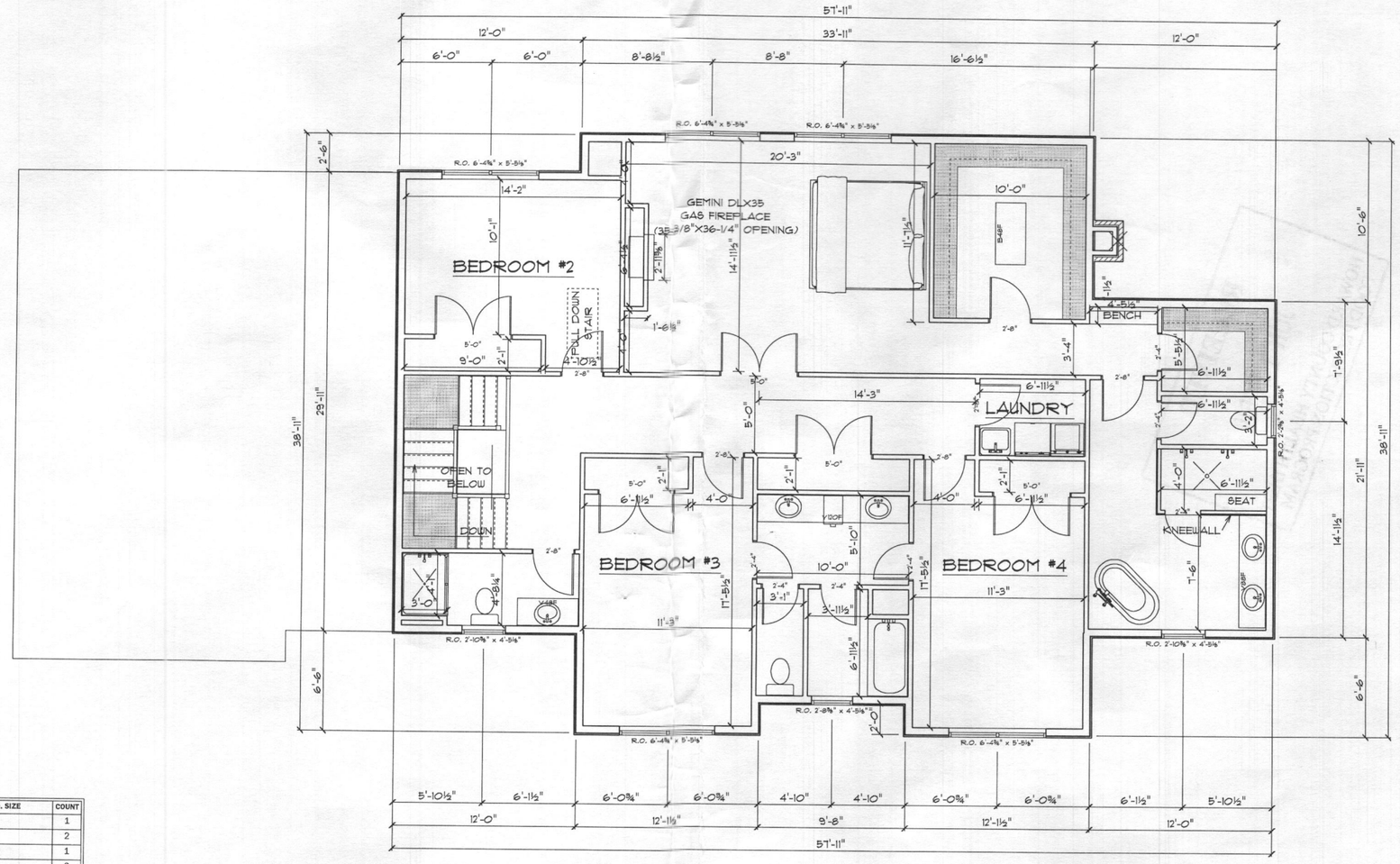
DRAWN: LARRY HILL
TRUSS DESIGNER

SCALE: AS NOTED

PROJECT NUMBER:
180019

ISSUE:	2.20.19
REV 1:	3.18.19

A1.2



2ND FLOOR PLAN

SCALE: 1/4" = 1'-0"

PRODUCT CODE	R.O. SIZE	COUNT
48X80 BIFOLD COLONIAL 2	R.O. 4'-0"	1
72x80 BIFOLD COLONIAL 2	R.O. 6'-0"	2
18X80 COLONIAL A 1	R.O. 1'-8"	1
28X80 COLONIAL A 1	R.O. 2'-6"	6
32X80 COLONIAL A 1	R.O. 2'-10"	7
60X80 FRENCH A 2	R.O. 5'-2"	1
28X80 GLASS	R.O. 2'-4"	1
MRADH3052-2	R.O. 6'-4¾" x 5'-5⅛"	5
MRADH2042	R.O. 2'-2⅜" x 4'-5⅛"	1
MRADH2842	R.O. 2'-10⅜" x 4'-5⅛"	2
MRADH2642	R.O. 2'-8⅜" x 4'-5⅛"	1

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BARRY RESIDENCE

DRAWN: LARRY HILL
TRUSS DESIGNER

SCALE: AS NOTED

PROJECT NUMBER:
180019

ISSUE: 2.20.19
REV 1: 3.18.19

A1.3