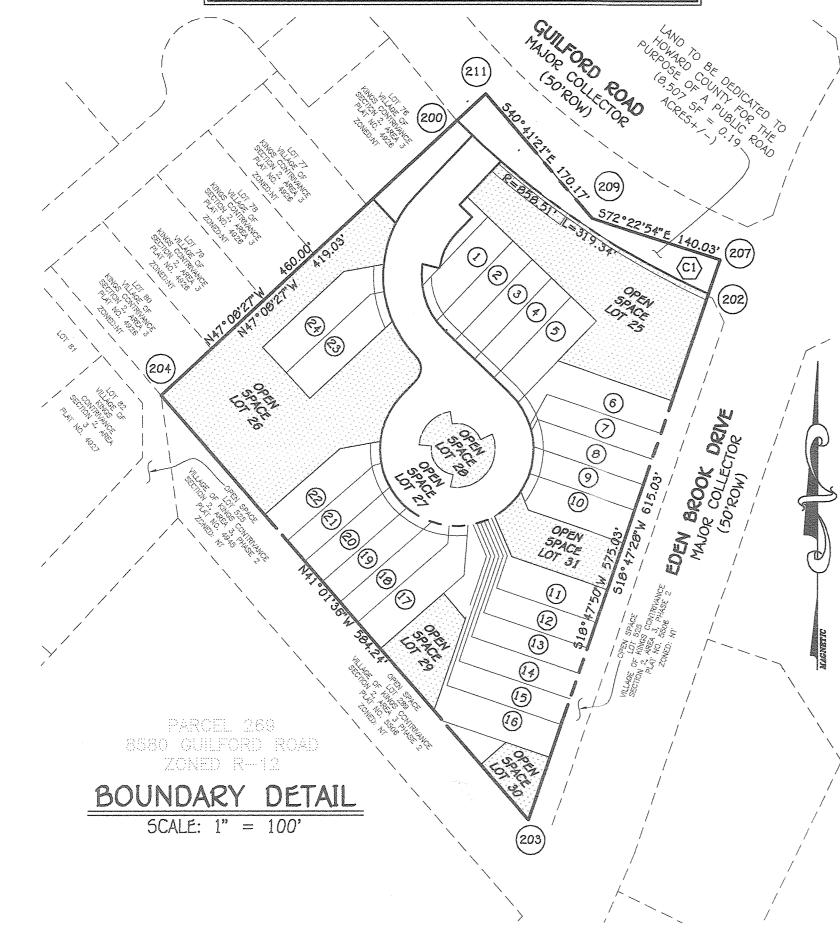
	SHEET INDEX			
SHEET NO	DESCRIPTION			
1	TITLE SHEET			
2	EXISTING CONDITIONS AND DEMOLITION PLAN			
3	PRELIMINARY EQUIVALENT SKETCH PLAN AND PRELIMINARY LANDSCAPE PLAN			
4	ROAD PROFILE SHEET			
5	PRELIMINARY GRADING, SEDIMENT AND EROSION CONTROL PLAN AND SOILS MAP			
6	STORMDRAIN DRAINAGE AREA MAP			
7	STORMWATER MANAGEMENT NOTES AND DETAILS			
8	SIGHT DISTANCE PROFILE SHEET			

	STREET 51	~~.	ART	
STREET NAME	STATION	OFFSET	POSTED SIGN	5IGN CODE
WILDWOOD COUR		16' L	STOP	R1-1

#### BOUNDARY COORDINATE DATA TABLE Number Northing | Easting 204 | 547954.6453 | 1349791.9023 211 548267.5007 1350129.1285 209 | 548138.4679 | 1350240.0715 548096.0843 | 1350373.5327 203 | 547513.8548 | 1350175.3586 202 548060.6414 1350361.4690 200 548239.9926 1350099.4776

BOUNDARY CURVE DATA TABLE							
MENDERSON PROGRAMMA	Curve	Radius	Arc Length	Delta	Tangent	Bearing &	Dis†
A PROPERTY OF THE PERSON OF TH	(C1)	858.51	319.34'	21°18'44"	161.54	5 55°36'20" E	317.50'
211) C CO (SE					PC 40/20		
						PURPOSE	
						SO. COLLEGO	18,50×



FISHER, COLLINS & CARTER, INC.

VIL ENGINEERING CONSULTANTS & LAND SURVEYORS

(410) 461 - 2855

INIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE

TENTATIVELY APPROVED

DEPARTMENT OF PLANNING AND ZONING

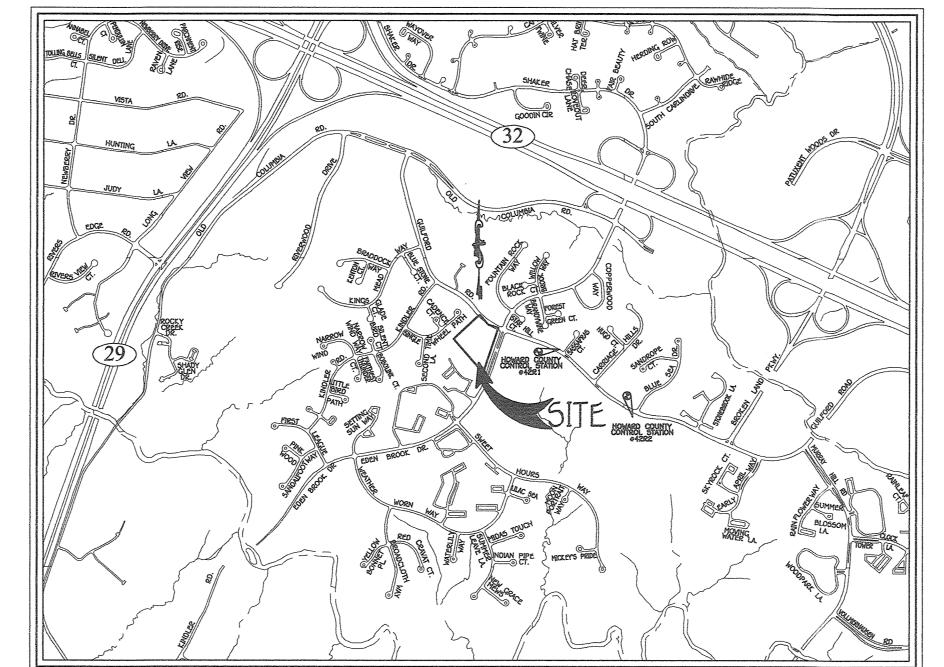
# PRELIMINARY EQUIVALENT SKETCH PLAN

# INDINI BIROOK

(AGE-RESTRICTED ADULT HOUSING) LOTS 1 THRU 24 AND OPEN SPACE LOTS 25 THRU 31

R-12 (RESIDENTIAL: SINGLE DISTRICT) TAX MAP No. 42 GRID No. 7 PARCEL NO. 269

# SIXTH FURCTION DISTRICT HOWARD COUNTY, MARYLAND



HOWARD COUNTY GEODETIC SURVEY CONTROL NO. 42R1 GEODETIC SURVEY CONTROL NO. 42R2 N 547,820.227 E 1,351,171.628 ELEVATION: 375.806'

HOWARD COUNTY N 546,946.793 E 1,352,118.601 **ELEVATION: 331.466'** 

and a second	DATAITMAI INA 1 /	T 6172 CI	IAGT
transporter to the control of the co	MINIMUM LO	JI DIZE CI	TAKI
LOT No.	GROSS AREA	PIPESTEM AREA	MINIMUM LOT SIZE
6	5,388 5q.ff.	606 5q.ft.	4,782 5q.ft.
7	3,611 5q.ff.	45 Sq.ft.	3,566 5q.ff.
11	4,151 5q.ff.	177 5q.ft.	3,974 5q.ft.
12	3,498 5q.ff.	306 5q.ff.	3,192 5q.ff.
13	3,709 5q.ff.	405 Sq.ft.	3,304 5q.ff.
14	3,922 5q.ff.	506 5q.ff.	3,416 5q.ff.
15	4,135 5q.ff.	607 5q.ff.	3,528 5q.ff.
16	5,366 Sq.ff.	709 5q.ft.	4,657 5q.ff.

MODERATE INCOME HOUSING UNITS (MIHU) ALLOCATION EXEMPTIONS TRACKING Total Number of Lots/Units Proposed Number of MIHU Required Number of MIHU Provided Onsite (exempt from APFO allocations) Number of APFO Allocations Required (remaining lots/units) MIHU Fee-in-Lieu LOTS 1-24 (indicate lot/unit numbers)

# SITE ANALYSIS DATA CHART

- 1. PROPERTY ZONED: R-12 PER 10/6/13. 2. PROPOSED CONDITIONAL USE: AGE RESTRICTED (BA-17-030C)
- 3. GROSS TRACT ACREAGE 4.96 AC.+/-4. LIMIT OF DISTURBANCE - 4.67 AC.+/-5. FLOODPLAIN AREA = 0 AC.
- 6. STEEP SLOPES AREA = 0 AC. . NET TRACT AREA = 4.96 AC.+/-8. MAXIMUM DENSITY
- 4.96 ACRES x 5 UNITS / NET ACRE = 24.0 OR 24 UNITS 9. OPEN SPACE TABULATION
- A. OPEN SPACE REQUIRED = 1.74 AC.+/-(4.96 AC x 35%)
- B. TOTAL OPEN SPACE PROVIDED = 1.90 AC.+/~ 1. CREDITED OPEN SPACE = 1.74 AC. + /-2. NON CREDITED OPEN SPACE = 0.16 AC.+/-10. COMMUNITY BUILDING AREA REQUIRED = 500 SQ.FT
- PER SECTION 131.0.N.1.a.O OF THE ZONING REGULATIONS COMMUNITY BUILDING PROVIDED = 1,452 5Q.FT (see General Note 42) 11. PARKING TABULATION

LEGEND

PROPOSED CONTOUR

H.P. HIGH POINT

EXISTING 2' CONTOURS

EXISTING 10' CONTOURS

SOILS LINES AND TYPE

EXISTING TREES & SHRUBS

EXISTING TREES & SHRUBS

PUBLIC SEWER, WATER & UTILITY

USE-IN-COMMON ACCESS EASEMENT

PROPOSED SWM BORING LOCATION

SPOT ELEVATION

J PROPOSED TREELINE

EXISTING TREELINE

( TO BE REMOVED)

T.B.R. TO BE REMOVED OR RELOCATED

EXISTING PAVING

PROPOSED PAVING

LIMITS OF DISTURBANCE

CREDITED OPEN SPACE

- × - × - EXISTING FENCE LINE

-55F- SUPER SILT FENCE

DESCRIPTION

- 1. (24 UNITS X 2 SPACES/UNIT) = 48 SPACES 2. (COMMUNITY BUILDING) (500 SQ.FT. x 10 SPACES PER 1,000 SQ. FT.) = 5 SPACES
- 3. OVERFLOW VISITOR PARKING  $(24 \text{ UNIT5} \times 0.3 \text{ SPACE5/UNIT5}) = 8 \text{ SPACE5}$ B. PARKING SPACES PROVIDED = 110 SPACES
- 1. (24 UNITS x 4 (2 CAR GARAGE) (2 SPACES IN DRIVE) 2. COMMUNITY BUILDING = 5 SPACES 3. OVERFLOW VISITOR PARKING = 9 SPACES

## GENERAL NOTES (CONT'D)

- 36. THIS PLAN IS SUBJECT TO WP-19-055 WHICH ON APRIL 4, 2019 THE PLANNING DIRECTOR APPROVED A REQUEST FOR AN ALTERNATIVE COMPLIANCE TO WAIVE SECTION 16.120(C)(4) MINIMUM FRONTAGES AND SECTION 16.1205(A)(7) ON-SITE FOREST RETENTION. APPROVAL IS SUBJECT TO THE FOLLOWING CONDITIONS: 36.1. THE APPROVAL OF THIS ALTERNATIVE COMPLIANCE REQUEST APPLIES TO THE 10 SPECIMEN TREES AS 5HOWN TO BE REMOVED ON THE PLAN EXHIBIT. THE DEVELOPER SHALL MITIGATE THE REMOVAL OF TH 18 SPECIMEN TREES BY PLANTING A MIX OF NATIVE SHADE TREES ONSITE AT A 2: 1 RATIO, TOTALING 36 TREES. THE PLANTINGS SHALL HAVE A CALIPER OF NO LESS THAN 3" AND SHALL BE PLANTED WITHIN THE PROPOSED OPEN SPACE LOTS. THE LOCATIONS, SPECIES AND PLANTING SPECIFICATIONS WILL
- BE REVIEWED BY DPZ AS PART OF THE FINAL LANDSCAPING PLAN. REFERENCE THE ADDITIONAL TREES ON 5P-18-003 AND ALL SUBSEQUENT SUBDIVISION AND DEVELOPMENT PLANS. THE TREES WILL BE BONDED ALONG WITH THE REQUIRED PERIMETER LANDSCAPING AS PART OF THE FINAL SUBDIVISION PLAN. 36.2. THE PROPOSED PRIVATE STREET SHALL BE DESIGNED AND CONSTRUCTED TO PUBLIC ROAD STANDARDS IN

ACCORDANCE WITH THE DESIGN MANUAL OR AS APPROVED BY THE DEVELOPMENT ENGINEERING DIVISION

- AND THE DEPARTMENT OF PUBLIC WORKS. 36.3. THE HOMEOWNER'S ASSOCIATION SHALL OWN AND MAINTAIN THE PRIVATE STREET AND SHALL BE RESPONSIBLE FOR ALL MAINTENANCE. TRASH COLLECTION AND SNOW REMOVAL 36.4. THE PROPOSED RESIDENTIAL LOTS SHALL FRONT ON AND OBTAIN ACCESS FROM THE PRIVATE STREET.
- THE APPLICANT SHALL BE RESPONSIBLE FOR ESTABLISHING SAFE VEHICULAR ACCESS TO ALL RESIDENTIAL 36.5. SIDEWALKS AND STREET TREES SHALL BE PROVIDED ALONG THE PRIVATE STREET IN ACCORDANCE WITH 5ECTIONS 16.124 AND 16.134 OF THE SUBDIVISION REGULATIONS AND THE LANDSCAPE MANUAL.
- 37. THE EXISTING SEPTIC SYSTEM MUST BE PROPERLY ABANDONED AND DOCUMENTATION SENT TO THE HEALTH DEPARTMENT PRIOR TO HEALTH SIGNATURE OF THE FINAL PLAT. 30. STREET LIGHT PLACEMENT, FIXTURES, AND POLE TYPES SHALL ADHERE TO THE HOWARD COUNTY DESIGN MANUAL, VOLUME III (2006), SECTION 5.5.A. A MINIMUM OF 20' SHALL BE MAINTAINED BETWEEN ANY STREET LIGHT AND ANY TREE.
- 39. EXISTING UTILITIES ARE BASED ON WATER AND SEWER CONTRACT DRAWINGS; CONT. NO. 44-1578 AND CONT. NO. 24-1334-D RESPECTIVELY. EXISTING STORM DRAIN SYSTEMS SHOWN ARE BASED ON F-PLANS ON FILE AT HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING. 40. PRIOR TO FINAL SUBDIVISION ACCEPTANCE (AFTER CONSTRUCTION IS COMPLETE), IT IS A REQUIREMENT
- TRAFFIC ENGINEERING REVIEW THE PROPOSED EMBANKMENT GRADING TO INSURE ADEQUATE SIGHT DISTANCE HAS BEEN PROVIDED. 41. THE COMMUNITY CENTER SIZE HAS BEEN SHOWN AS 1.452 SQUARE FEET TO REFLECT THE DECISION & ORDER FOR BA-17-030C. THE REQUIRED SQUARE FOOTAGE FOR THIS PROJECT IS 500 SQUARE FEET. THE INTENTION IS TO PRESERVE AND ADAPT THE WILDWOOD HOUSE TO MEET THE COMMUNITY CENTER REQUIREMENTS WHICH WILL INCLUDE AN EXTENSIVE ARCHITECTURAL STUDY AS PART OF THE SITE
- DEVELOPMENT PLAN STAGE FOR THIS PROJECT. THE FINAL SQUARE FOOTAGE PROVIDED WILL BE DETERMINED AT THAT TIME. 42. THIS PLAN IS SUBJECT TO A DESIGN MANUAL WAIVER APPROVED ON APRIL 26, 2019 BY DEVELOPMENT ENGINEERING DIVSION THAT REQUESTS A WAIVER TO DESIGN MANUAL, VOLUME III, SECTION 2.5.B.1, TABLE 2.07 TO ALLOW 330' (LE55 THAN REQUIRED MINIMUM 500') OF INTÉRSECTION SPACING MEASURED ALONG THE THROUGH ROADWAY (GUILFORD ROAD) BETWEEN THE CENTERLINE OF THE INTERSECTION ROADWAYS
- SUBJECT TO THE FOLLOWING: 42.1. ADEQUATE INTERSECTION SIGHT DISTANCE SHALL BE PROVIDED FOR THE PROPOSED ACCESS AT GUILFORD

## GENERAL NOTES

- . SUBJECT PROPERTY ZONED R-12 PER 10/06/13 COMPREHENSIVE ZONING PLAN. 2. THIS SUBDIVISION PLAN IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE 2013 ZONING REGULATIONS. DEVELOPMENT OR CONSTRUCTION ON THESE LOTS OR PARCELS MUST COMPLY WITH SETBACKS AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF A SITE DEVELOPMENT PLAN.
- SITE ANALYSIS:
- a. GROSS TRACT ACREAGE = 4.96 AC+/-. LIMIT OF DISTURBANCE = 4.67 AC+/-
- c. FLOODPLAIN AREA = O AC d. STEEP SLOPES AREA = 0 AC e. NET TRACT AREA = 4.96 AC.
- 4. PROPERTY DEED REFERENCE: LIBER 1366 AT FOLIO 025 5. MODERATE INCOME HOUSING UNITS REQUIRED = 3 MIHU
- $(24 \text{ UNITS } \times 10\% = 2.4 \text{ MIHU})$ 6. EXISTING TOPOGRAPHY INFORMATION SHOWN IS TAKEN FROM A FIELD RUN TOPOGRAPHIC SURVEY WITH
- (MAXIMUM TWO FOOT) CONTOUR INTERVALS PERFORMED ON OR ABOUT MAY, 2017 BY FISHER, COLLINS & 7. BOUNDARY INFORMATION IS BASED ON A SURVEY PERFORMED ON OR ABOUT MAY, 20
- 8. COORDINATES BASED ON NAD'83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY STATIONS NO. 42R1 AND NO. 42R2:
  - HOWARD COUNTY MONUMENT NO. 42R1 N 546,820.227 FT E 1,351,171.628 FT ELEV. 375.806
  - HOWARD COUNTY MONUMENT NO. 42R2 N 546,946.793 FT
- E 1,352,119.601 FT ELEV. 331.466 9. THIS PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT AND PUBLIC WATER AND SEWER SHALL BE UTILIZED WITHIN THIS DEVELOPMENT d. PUBLIC SEWER FRONTAGE PROVIDED BY CONTRACT No. 24-1334-D. b. PUBLIC WATER SERVICE PROVIDED BY CONTRACT No. 44-1578-D.
- 10. THE TRAFFIC STUDY DATED JUNE, 2017 FOR THIS PROJECT WAS PREPARED BY THE MARS GROUP. 11. STORMWATER MANAGEMENT WILL BE PROVIDED IN ACCORDANCE WITH CHAPTER 5 OF THE MARYLAND DEPARTMENT OF ENVIRONMENT STORM WATER DESIGN MANUAL, VOLUMES I & II, REVISED 2009. WE ARE PROVIDING STORM WATER MANAGEMENT BY THE USE OF TWO AREAS OF (A-2) PERMEABLE PAVING, TEN
- (M-5) DRYWELLS, THREE (M-6) MICRO-BIORETENTION FACILITIES AND TWO (F-6) BIO-RETENTION FACILITIES TO MEET AND EXCEED THE REQUIRED ESD VOLUME. QUANTITY MANAGEMENT IS BEING PROVIDED. 12. FOR FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDE TO THE JUNCTION OF THE FLAG OR PIPESTEM AND THE ROAD R/W LINE AND NOT ONTO THE PIPESTEM LOT
- 13. NO CEMETERIES ARE LOCATED ON-SITE BASED ON THE HOWARD COUNTY CEMETERY INVENTORY MAP. 14. B.R.L. DENOTES BUILDING RESTRICTION LINE. 15. FOREST STAND DELINEATION AND A WETLAND REPORT DATED: 5/25/17 WERE PREPARED BY ECO-SCIENCE
- PROFESSIONALS INC. AND HAVE BEEN PROVIDED. 16. DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING (MINIMUM) REQUIREMENTS:
- a. WIDTH 12 FEET (16 FEET SERVING MORE THAN ONE RESIDENCE) b. SURFACE - SIX (6") INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING.
- c. GEOMETRY MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM OF 45 TURNING
- d. STRUCTURES (CULVERTS/BRIDGES) CAPABLE OF SUPPORTING 25 GROSS TONS (H 25 LOADING)
- e. DRAINAGE ELEMENTS CAPABLE OF SAFELY PASSING 100 YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE.
- f. STRUCTURE CLEARANCES MINIMUM 12 FEET. q. MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE. 17. THE GEOTECHNICAL REPORT FOR THIS PROJECT WAS PREPARED BY HILLIS CARNES, DATED FEBRUARY 18,
- 2019, AND WAS APPROVED ON MAY 6, 2019. 18. THIS PROJECT RECEIVED A POSITIVE REVIEW FROM THE HISTORIC PRESERVATION COMMISSION ON DECEMBER 2017 AND MADE ADVISORY RECOMMENDATIONS TO ENHANCE WILDWOOD AS A DEVELOPMENT FOCAL POINT AND RECOMMENDED PETITIONER RETAIN HISTORIC SMOKE HOUSE.
- 19. THERE IS AN HISTORIC STRUCTURE WITHIN THE LIMITS OF THIS SUBDIVISION WHICH IS DESIGNATED AS HO-267 WILDWOOD IN THE MARYLAND INVENTORY OF HISTORIC PROPERTIES HOWARD COUNTY. THIS STRUCTURE AND AN ASSOCIATED SMOKEHOUSE ARE TO REMAIN. ALL OTHER ACCESSORY STRUCTURES ON SITE
- SHALL BE RAZED. 20. A PRE-SUBMISSION COMMUNITY MEETING WAS HELD ON MARCH 24, 2017 AT NEW HOPE LUTHERAN CHURCH 8575 GUILFORD ROAD COLUMBIA, MD 21046 FOR THIS PROJECT.
- 21. THERE ARE NO WETLANDS, STREAMS, 100 YEAR FLOODPLAIN OR STEEP SLOPES WITH A CONTIGUOUS AREA GREATER THAN 20,000 SQUARE FEET LOCATED ON THIS PROPERTY. THERE ARE NO WETLANDS ON-SITE THAT WILL BE DISTURBED OR THAT WILL REQUIRE 401 AND 404 WETLANDS PERMITS FROM THE STATE OF
- 22. FOREST CONSERVATION REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION ACT WILL BE FULFILLED BY A FEE-IN-LIEU PAYMENT AT THE FINAL PLAN STAGE OF THIS
- 23. SITE IS NOT ADJACENT TO A SCENIC ROAD. 24. ALL LOT/PARCEL AREAS ARE MORE OR LESS.
- 25. DISTANCES SHOWN ARE BASED ON SURFACE MEASUREMENT AND NOT REDUCED TO NAD '83 GRID. 26. THE PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE 27. THE SWM FACILITIES LOCATED ON H.O.A. OPEN SPACE WILL BE OWNED AND MAINTAINED BY THE
- HOMEOWNER'S ASSOCIATION. ANY SWM FACILITY LOCATED ON A LOT WILL BE OWNED AND MAINTAINED BY THE OWNER OF THAT PARTICULAR LOT. 28 THE LANDSCAPING TABULATION LINDER THIS PLAN IS PRELIMINARY, FINAL LANDSCAPING WILL BE PROVIDED
- WITH THE FINAL SUBDIVISION PLAN IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE 29. AN ADDRESS RANGE SIGN SHALL BE PROVIDED FOR LOTS 6-0 AND 11-16 AT THE INTERSECTION OF WILDWOOD COURT AND THE LOT'S ASSOCIATED USE-IN-COMMON DRIVE. THE PRIVATE RANGE OF ADDRESS
- SIGNS SHALL BE FABRICATED AND INSTALLED BY HOWARD COUNTY BUREAU OF HIGHWAYS AT THE DEVELOPERS/OWNERS EXPENSE. CONTACT HOWARD COUNTY TRAFFIC DIVISION AT 410-313-2430 FOR O. ARTICLES OF INCORPORATION FOR THE EDEN BROOK HOMEOWNERS ASSOCIATION, INC., WILL BE FILED WITH THE STATE DEPARTMENT OF ASSESSMENTS AND TAXATION PRIOR TO RECORDATION OF THE FINAL PLAT.
- (a) THE R1-1 (STOP) SIGN AND THE STREET NAME SIGN (SNS) ASSEMBLY FOR THIS DEVELOPMENT MUST BE INSTALLED BEFORE THE BASE PAVING IS COMPLETED. (b) THE TRAFFIC CONTROL DEVICE LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND MUST BE FIELD
- APPROVED BY HOWARD COUNTY TRAFFIC DIVISION (410-313-2430) PRIOR TO THE INSTALLATION OF ANY OF THE TRAFFIC CONTROL DEVICES. (c) ALL TRAFFIC CONTROL DEVICES AND THEIR LOCATIONS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MARYLAND MANUAL ON LINIFORM TRAFFIC CONTROL DEVICES (MOMILICO)
- (d) ALL SIGN POSTS USED FOR TRAFFIC CONTROL SIGNS INSTALLED IN THE COUNTY RIGHT-OF-WAY SHALL BE MOUNTED ON A 2" GALVANIZED STEEL, PERFORATED (QUICK PUNCH), SQUARE TUBE POST (14 GAUGE) INSERTED INTO A 2-1/2" GALVANIZED STEEL, PERFORATED, SQUARE TUBE SLEEVE (12 GAUGE) - 3' LONG. THE ANCHOR SHALL NOT EXTEND MORE THAN TWO QUICK PUNCH HOLES ABOVE GROUND LEVEL. A GALVANIZED STEEL POLE CAP SHALL BE MOUNTED ON TOP OF EACH POST.
- 32. A NOISE STUDY IS NOT REQUIRED BECAUSE THE PROJECT DOES NOT FALL WITHIN THE GUIDELINES OF DESIGN MANUAL, VOLUME III, ROADS AND BRIDGES, SECTION 5.2, F.2. 33. OPEN SPACE LOTS 25-31 WILL BE OWNED BY THE EDEN BROOK HOMEOWNERS ASSOCIATION, INC.
- 34. THIS PROJECT RECEIVED A ENDORSEMENT FROM THE DIRECTOR OF PLANNING AND ZONING ON OCTOBER 17, 2017 IN RESPONSE TO A DESIGN ADVISORY MEETING HELD ON AUGUST 9, 2017. 35. THIS PLAN IS SUBJECT TO DEPARTMENT OF PLANNING AND ZONING CASE BA-17-030C FOR A CONDITIONAL USE TO CONSTRUCT A 24-UNIT AGE-RESTRICTED, ADULT HOUSING GENERAL IN AN R-12 (RESIDENTIAL:
- SINGLE) ZONING DISTRICT PROVIDED / HOWEVER THAT: 35.1. THE CONDITIONAL USE SHALL BE CONDUCTED IN CONFORMANCE WITH AND SHALL APPLY ONLY TO THE PROPOSED AGE-RESTRICTED ADULT HOUSING DEVELOPMENT DESCRIBED IN THE PETITION AND DEPICTED ON THE REVISED CONDITIONAL USE PLAN (EXHIBIT 2) AND NOT TO ANY NEW STRUCTURES OR USES ON
- THE SITE OR ANY ADDITIONS THERETO. PETITIONER SHALL RETAIN THE SMOKEHOUSE AND PUSH BACK LOTS 23 AND 24 FURTHER FROM THE ROAD TO OPEN THE VIEW FROM THE ROAD TO WILDWOOD.
- THE DWELLING DESIGN APPROVED IS THE SEPTEMBER 17, 2017 TOWNHOUSE ELEVATION PRESENTED TO DAP SHOWING COTTAGE-LIKE TOWNHOUSES AND SUBMITTED WITH THE PETITION.
- THE GAZEBO SHALL BE RELOCATED WEST OF THE AREA INDICATED BY THE OCTAGONAL SHAPE WHERE THE CUP (EXHIBIT 2) NOTES APPEARS TO BE A BIO-RETENTION POND (IN THE GENERAL AREA OF AN EXISTING GARAGE PROPOSED TO BE RAZED). PETITIONER SHALL CONSULT WITH DPZ STAFF/ INCLUDING, PARTICULARLY. HISTORIC PRESERVATION STAFF/ ABOUT ITS ORIENTATION TO MAXIMIZE THE VIEW FROM
- THE GAZEBO TOWARD WILDWOOD. 35.5. THE GAZEBO SHALL BE ACCESSIBLE TO PERSONS WITH MOBILITY OR FUNCTIONAL LIMITATIONS THROUGH A NO-STEP DESIGN AND SHALL HAVE PERMANENT SEATING AREAS. AS WELL AS SUFFICIENT AREA FOR SEVERAL PERSONS WITH MOBILITY OR FUNCTIONAL LIMITATIONS TO ACCOMMODATE ANY WALKING
- 35.6. ALL ROUTES BETWEEN PARKING AREAS, SIDEWALKS, DWELLING UNITS/AND COMMON AREAS/ INCLUDING THE PROPOSED PATHWAYS / SHALL BE ADA COMPLAINT.
- 35.7. PETITIONER SHALL EXTEND AND TIE IN THE PROPOSED ON-SITE PATHWAY TO THE OFF-SITE COLUMBIA ASSOCIATION PATHWAY/SIDEWALK SYSTEM AND WORK WITH THE ASSOCIATION AND THE COUNTY TO BUILD A CROSSWALK FROM THE PATHWAY BETWEEN UNITS 10 AND 11 OVER EDEN BROOK DRIVE TO THE
- VILLAGE CENTER. PETITIONER SHALL OBTAIN ALL COLUMBIA ASSOCIATION APPROVALS, INCLUDING ALL NECESSARY EASEMENTS. ALL REQUIRED COLUMBIA ASSOCIATION APPROVALS, INCLUDING EASEMENTS, SHALL BE INCORPORATED INTO AND SHOWN ON THE SITE DEVELOPMENT PLAN.
- 35.0. PETITIONER IS RESPONSIBLE FOR MAKING ALL NECESSARY IMPROVEMENTS/MODIFICATIONS TO THOSE PORTIONS OF THE COLUMBIA ASSOCIATION PATHWAY/SIDEWALK SYSTEM TO MEET CURRENT COUNTY AND ADA STANDARDS, AS INDICATED BY THE ARROW SHOWN ON THE CUP REPRODUCED ON PG. 170FTHIS
- 35.9. PETITIONER SHALL COMPLY WITH ALL AGENCY COMMENTS. 35.10. PETITIONER SHALL OBTAIN ALL REQUIRED PERMITS.
- 35.11. PETITIONER SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.

# TITLE SHEET EDEN BROOK

LOTS 1 THRU 24, OPEN SPACE LOTS 25 THRU 31 (AGE-RESTRICTED ADULT HOUSING)

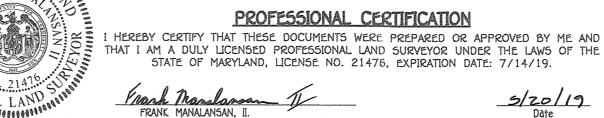
8580 GUILFORD ROAD PREVIOUS HOWARD COUNTY FILE No. BA-17-030C,

ECP 18-051, WP-19-055 TAX MAP NO.: 42 GRID NO.: 7 PARCEL NO.: 269

ZONED R-12 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN DATE: APRIL 2019

SHEET 1 OF 8



REFER TO HOWARD CO. ADC MAP 33-E8 & 40-E1

5/20/19

ESTATE OF FRANCES ANNE NAHRGANG 14722 DORSEY MILL ROAD GLENELG, MD 21738

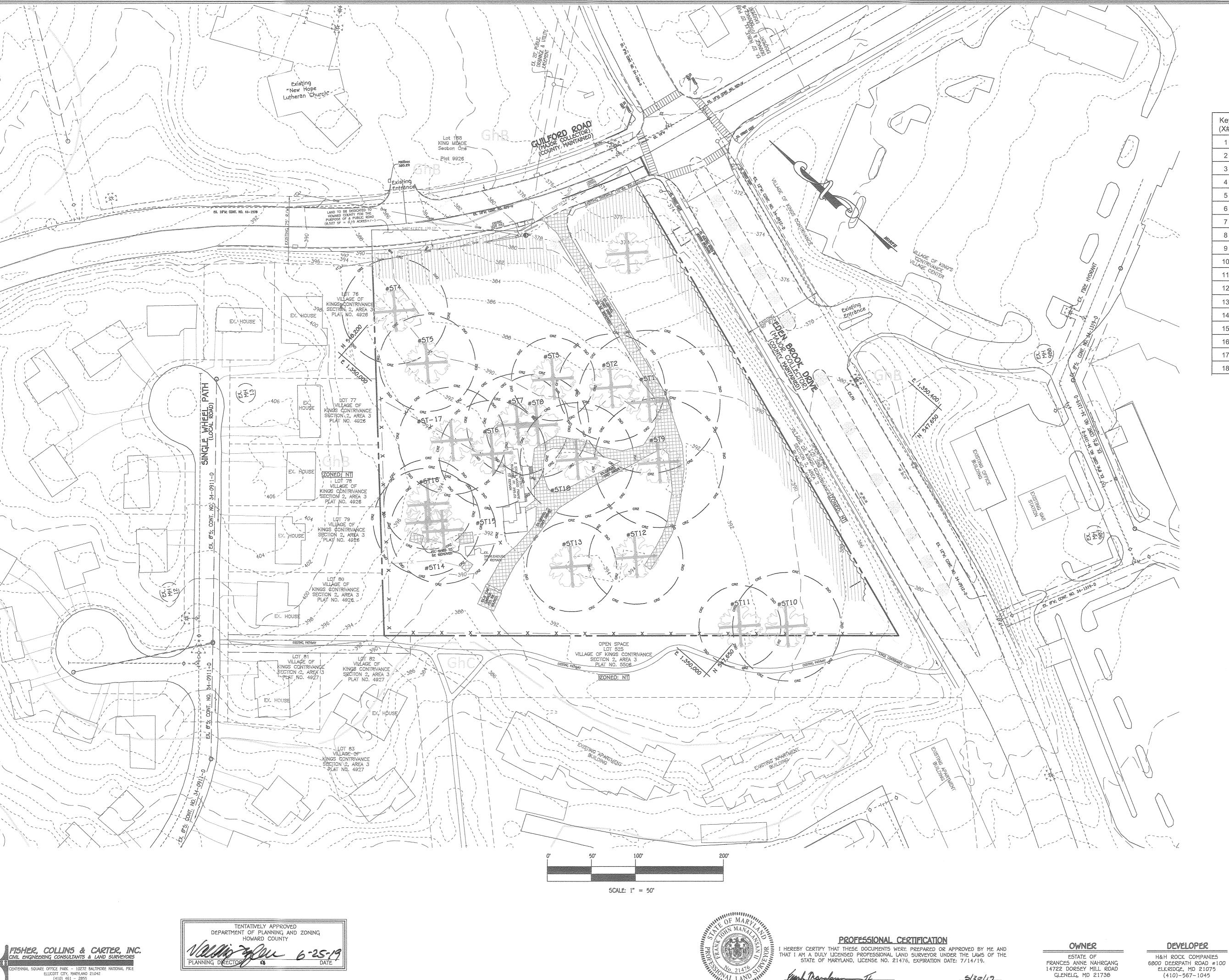
OWNER

H&H ROCK COMPANIES

6800 DEERPATH ROAD #100 ELKRIDGE, MD 21075 (410)-567-1045

DEVELOPER

5P-18-003



# Specimen Tree Chart

,				·
Key (X#)	Species	Size (in.dbh)	CRZ (feet radius)	Comments
1	White oak	54	81	
2	White oak	40.5	60.75	fair, trimmed
3	Hemlock	31.5	47.25	fair, one sided due to shading
4	Pignut hickory	40	60	
5	White oak	36.5	54.75	
6	White oak	40.5	60.75	fair, some rot noted
7	White oak	38.5	57.75	fair, limb damage noted
8	White oak	39	58.5	
9	White oak	49	73.5	very poor, major trunk rot
10	Norway maple	41	61.5	fair, not native
11	Sycamore	31	46.5	fair, some rot noted, limited crown
12	White oak	35.5	53.25	
13	American Beech	34	51	
14	White oak	40	60	fair, one sided canopy
15	White oak	40.5	60.75	fair, one sided canopy
16	White oak	34	51	fair, one sided canopy
17	White pine	33.5	50.25	
18	White oak	43	64.5	

	LEGEND
5YMBOL	DESCRIPTION
	EXISTING CONTOUR 2' INTERVAL
	EXISTING CONTOUR 10' INTERVAL
***************************************	PROPOSED CONTOUR 10' INTERVAL
epinolic engagnesis estimatives occurs	PROPOSED CONTOUR 2' INTERVAL
×362.2	SPOT ELEVATION
LOD	LIMIT OF DISTURBANCE
	EXISTING WATER & SEWER UTILITY EASEMENT
<u>18" 50</u>	EXISTING STORM DRAIN
<u>8"W</u>	EXISITNG WATER
<i></i>	EXISITNG SEWER
	BUILDING AND DRIVES TO BE REMOVED
—55F—	SUPER SILT FENCE
5F	SILT FENCE
	DENOTES EXISTING FOREST TO BE REMOVED
XX	DENOTES EXISTING TREES TO BE REMOVED
	DENOTES EXISTING TREES TO REMAIN

EXISTING CONDITIONS, SOILS AND DEMOLITION PLAN EDEN BROOK

LOTS 1 THRU 24, OPEN SPACE LOTS 25 THRU 31 (AGE-RESTRICTED ADULT HOUSING)

8580 GUILFORD ROAD PREVIOUS HOWARD COUNTY FILE No. BA-17-030C,

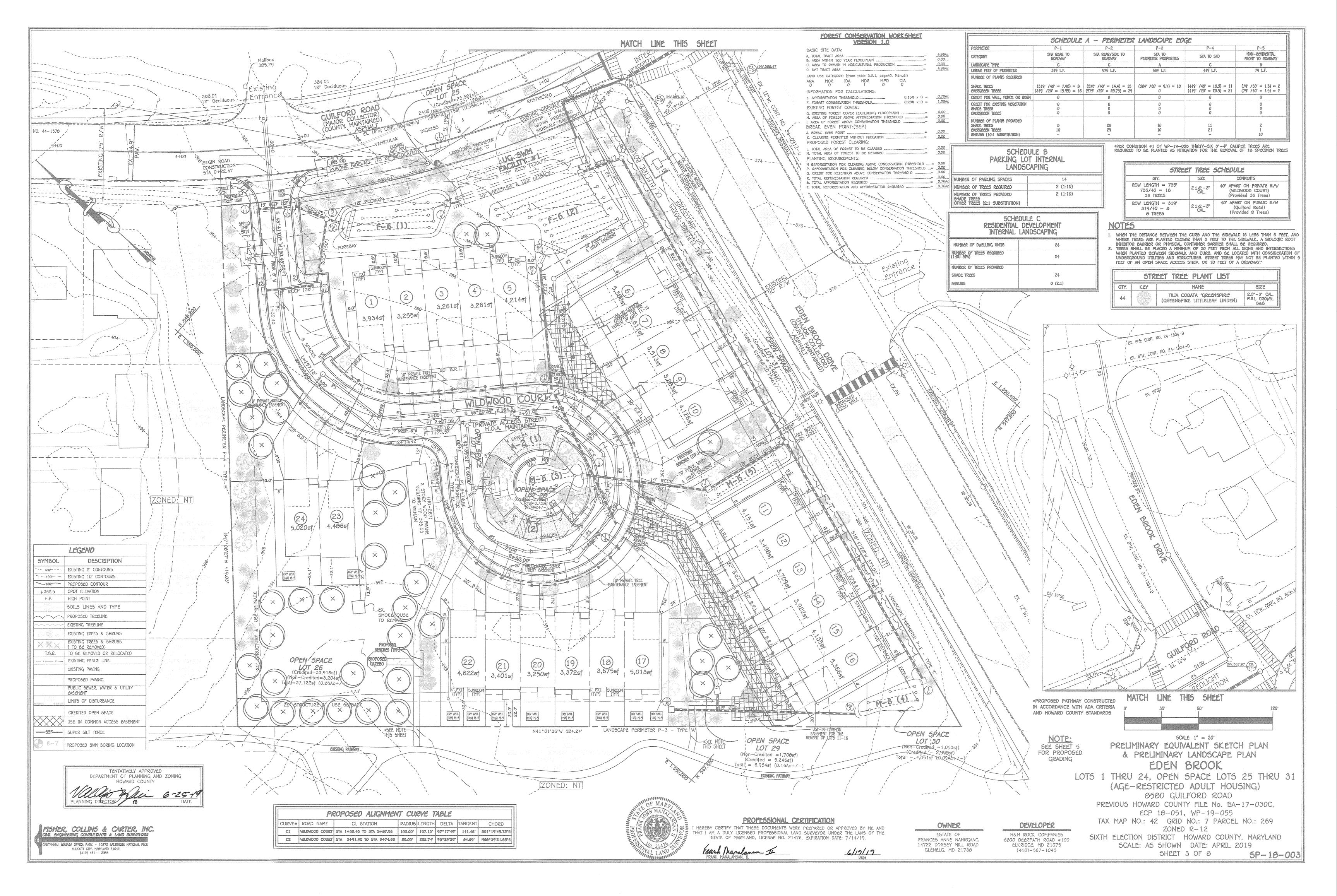
ECP 18-051, WP-19-055 TAX MAP NO.: 42 GRID NO.: 7 PARCEL NO.: 269 ZONED R-12

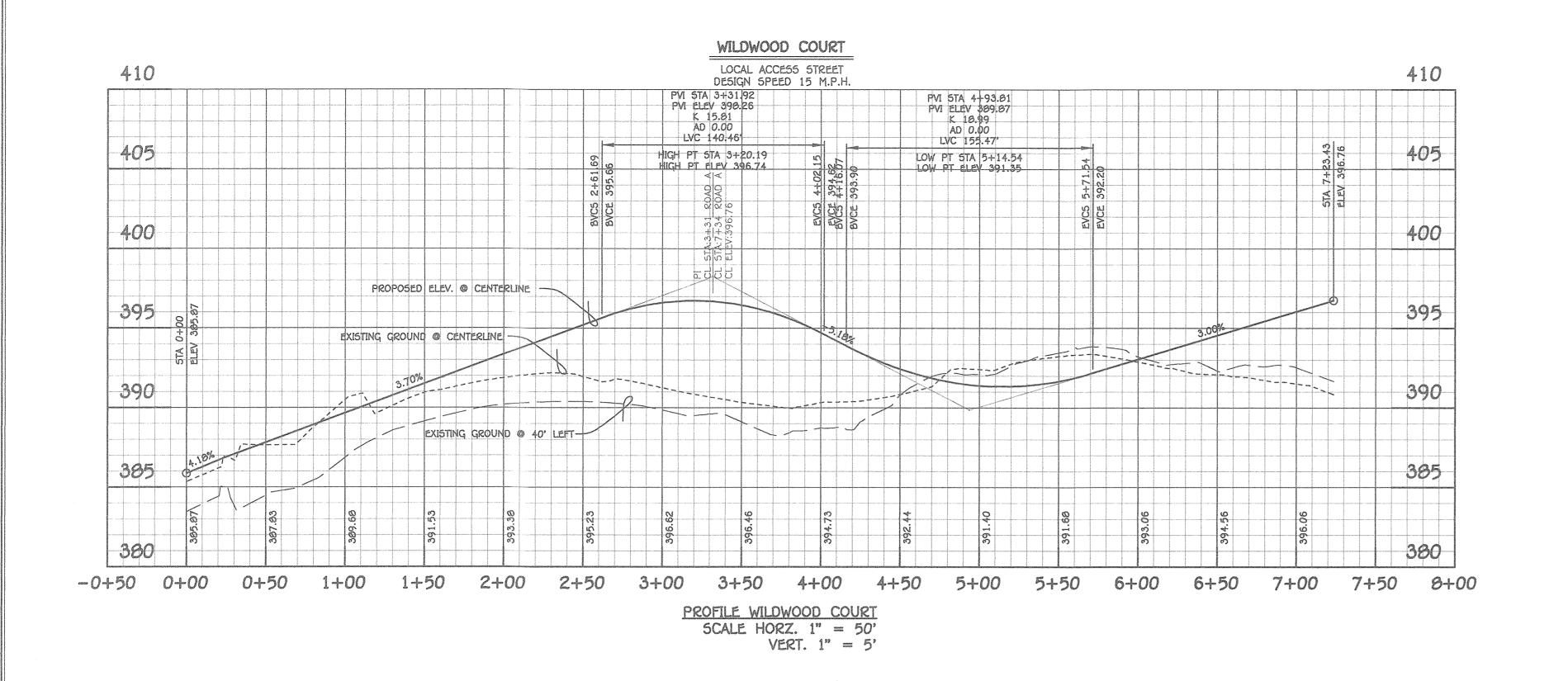
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: AS SHOWN DATE: APRIL 2019 SHEET 2 OF 8 5P-18-003

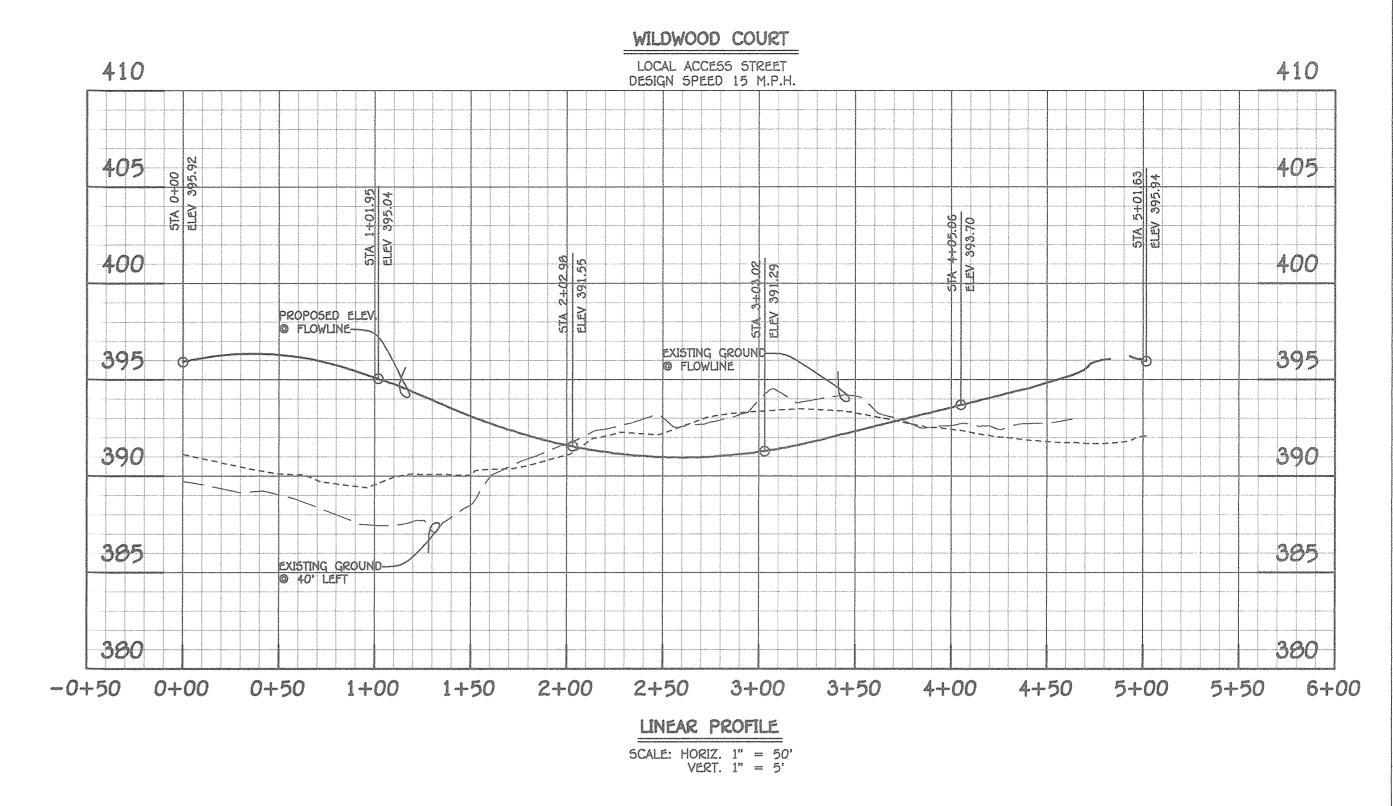
FRANCES ANNE NAHRGANG 14722 DORSEY MILL ROAD GLENELG, MD 21738

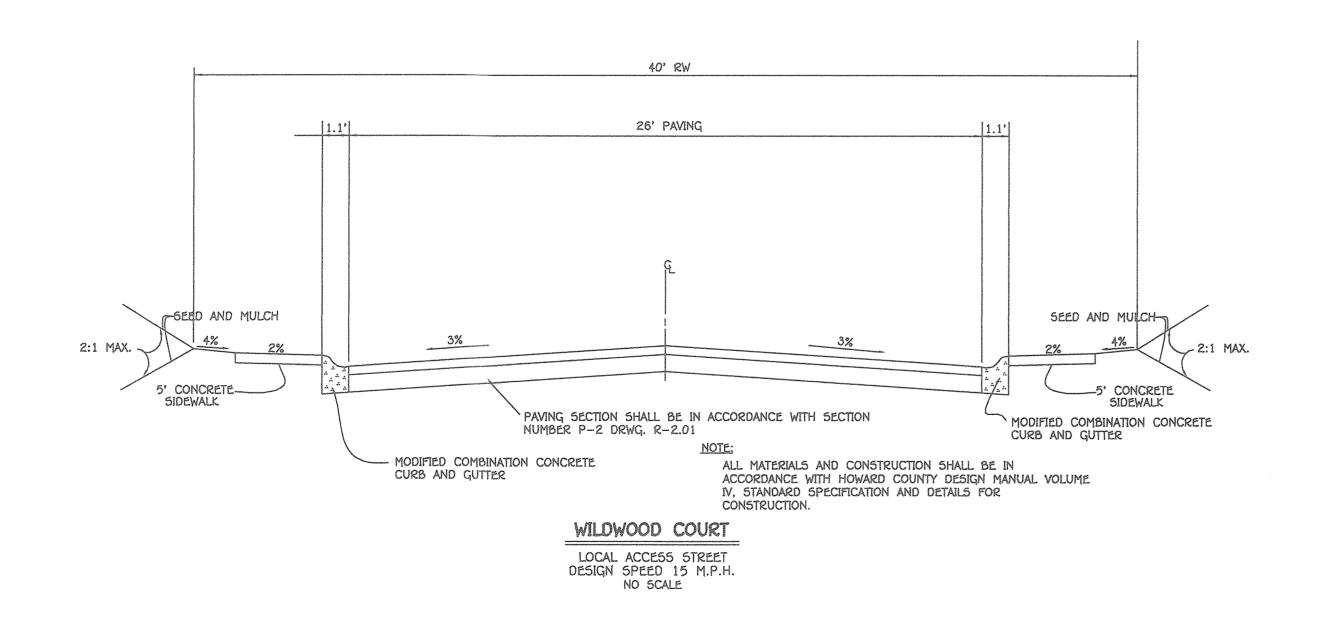
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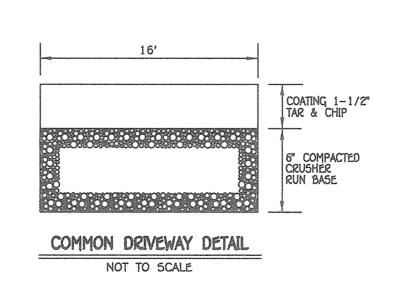
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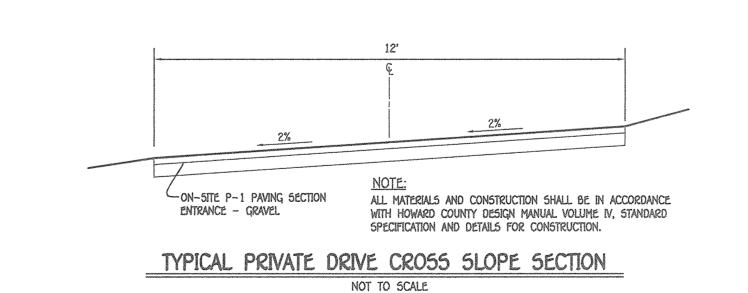












PRELIMINARY ROAD PROFILES EDEN BROOK

LOTS 1 THRU 24, OPEN SPACE LOTS 25 THRU 31 (AGE-RESTRICTED ADULT HOUSING) 8580 GUILFORD ROAD PREVIOUS HOWARD COUNTY FILE No. BA-17-030C,

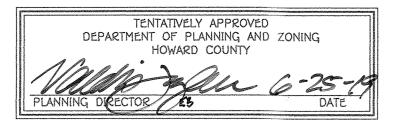
ECP 18-051, WP-19-055 TAX MAP NO.: 42 GRID NO.: 7 PARCEL NO.: 269

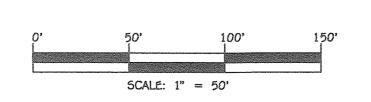
ZONED R-12 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: AS SHOWN DATE: APRIL 2019

5P-18-003

SHEET 4 OF 8

FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS NNIAL SQUARE OFFICE PARK – 10272 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21042 (410) 461 – 2855







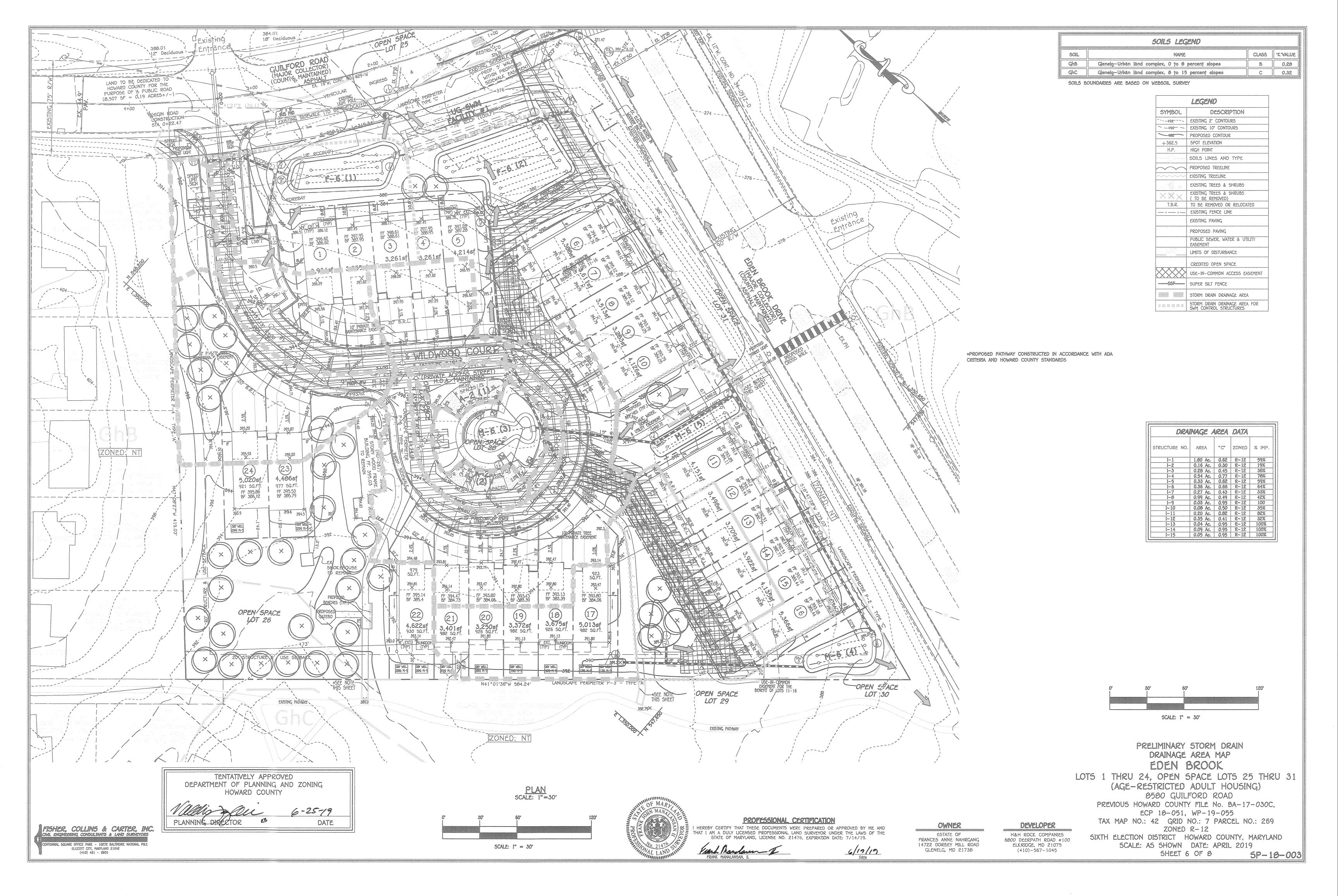
PROFESSIONAL CERTIFICATION HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21476, EXPIRATION DATE: 7/14/19.

FRANK MANALANSAN, II. 5/20/19

DEVELOPER OWNER ESTATE OF FRANCES ANNE NAHRGANG 14722 DORSEY MILL ROAD GLENELG, MD 21738

H&H ROCK COMPANIES 6800 DEERPATH ROAD #100 ELKRIDGE, MD 21075 (410)-567-1045





## INFILTRATION AND FILTER SYSTEM CONSTRUCTION SPECIFICATIONS

INFILTRATION AND FILTER SYSTEMS EITHER TAKE ADVANTAGE OF EXISTING PERMEABLE SOILS OR CREATE A PERMEABLE MEDIUM SUCH AS SAND FOR WC). AND RE V. IN SOME INSTANCES WHERE PERMEABILITY IS GREAT, THESE FACILITIES MAY BE USED FOR QP AS WELL. THE MOST COMMON SYSTEMS INCLUDE INFILTRATION TRENCHES, INFILTRATION BASINS, SAND FILTERS, AND ORGANIC FILTERS.

WHEN PROPERLY PLANTED, VEGETATION WILL THRIVE AND ENHANCE THE FUNCTIONING OF THESE SYSTEMS. FOR EXAMPLE, PRE-TREATMENT BUFFERS WILL TRAP SEDIMENTS THAT OFTEN ARE BOUND WITH PHOSPHOROUS AND METALS. VEGETATION PLANTED IN THE FACILITY WILL AID IN NUTRIENT UPTAKE AND WATER STORAGE. ADDITIONALLY, PLANT ROOTS WILL PROVIDE ARTERIES FOR STORMWATER TO PERMEATE SOIL FOR GROUNDWATER RECHARGE. FINALLY, SUCCESSFUL PLANTINGS PROVIDE AESTHETIC VALUE AND WILDLIFE HABITAT MAKING THESE FACILITIES MORE DESIRABLE TO THE PUBLIC.

### **DESIGN CONSTRAINTS:**

> PLANTING BUFFER STRIPS OF AT LEAST 20 FEET WILL CAUSE SEDIMENTS TO SETTLE OUT BEFORE REACHING THE FACILITY, THEREBY REDUCING THE POSSIBILITY OF CLOGGING.

> DETERMINE AREAS THAT WILL BE SATURATED WITH WATER AND WATER TABLE DEPTH 50 THAT APPROPRIATE PLANTS MAY BE SELECTED (HYDROLOGY WILL BE SIMILAR TO BIORETENTION FACILITIES, SEE FIGURE A.5 AND TABLE A.4 FOR PLANTING MATERIAL GUIDANCE).

> PLANTS KNOWN TO SEND DOWN DEEP TAPROOTS SHOULD BE AVOIDED IN SYSTEMS WHERE FILTER

- FABRIC IS USED AS PART OF FACILITY DESIGN. > TEST SOIL CONDITIONS TO DETERMINE IF SOIL AMENDMENTS ARE NECESSARY. > PLANTS SHALL BE LOCATED SO THAT ACCESS IS POSSIBLE FOR STRUCTURE MAINTENANCE.
- > STABILIZE HEAVY FLOW AREAS WITH EROSION CONTROL MATS OR SOD. > TEMPORARILY DIVERT FLOWS FROM SEEDED AREAS UNTIL VEGETATION IS ESTABLISHED.

#### > SEE TABLE A.5 FOR ADDITIONAL DESIGN CONSIDERATIONS. BIO-RETENTION

# **50IL BED CHARACTERISTICS**

THE CHARACTERISTICS OF THE SOIL FOR THE BIORETENTION FACILITY ARE PERHAPS AS IMPORTANT AS THE FACILITY LOCATION, SIZE, AND TREATMENT VOLUME, THE SOIL MUST BE PERMEABLE ENOUGH TO ALLOW RUNOFF TO FILTER THROUGH THE MEDIA, WHILE HAVING CHARACTERISTICS SUITABLE TO PROMOTE AND SUSTAIN A ROBUST VEGETATIVE COVER CROP. IN ADDITION, MUCH OF THE NUTRIENT POLLUTANT UPTAKE (NITROGEN AND PHOSPHORUS) IS ACCOMPLISHED THROUGH ABSORPTION AND MICROBIAL ACTIVITY WITHIN THE SOIL PROFILE. THEREFORE, SOILS MUST BALANCE THEIR CHEMICAL AND PHYSICAL PROPERTIES TO SUPPORT BIOTIC COMMUNITIES ABOVE AND BELOW GROUND.

THE PLANTING SOIL SHOULD BE A SANDY LOAM, LOAMY SAND, LOAM (USDA), OR A LOAM/SAND MIX (SHOULD CONTAIN A MINIMUM 35 TO 60% SAND, BY VOLUME). THE CLAY CONTENT FOR THESE SOILS SHOULD BE LESS THAN 25% BY VOLUME [ENVIRONMENTAL QUALITY RESOURCES (EQR), 1996; ENGINEERING TECHNOLOGY INC. AND BIOHABITATS, INC. (ETAB), 1993]. SOILS SHOULD FALL WITHIN THE 5M, ML, SC CLASSIFICATIONS OR THE UNIFIED SOIL CLASSIFICATION SYSTEM (USCS). A PERMEABILITY OF AT LEAST 1.0 FEET PER DAY (0.5"/HR) IS REQUIRED (A CONSERVATIVE VALUE OF 0.5 FEET PER DAY IS USED FOR DESIGN). THE SOIL SHOULD BE FREE OF STONES, STUMPS, ROOTS, OR OTHER WOODY MATERIAL OVER 1" IN DIAMETER. BRUSH OR SEEDS FROM NOXIOUS WEEDS (E.G., JOHNSON GRASS, MUGWORT, NUTSEDGE, AND CANADA THISTLE OR OTHER NOXIOUS WEEDS AS SPECIFIED UNDER COMAR 15.08.01.05.) SHOULD NOT BE PRESENT IN THE SOILS. PLACEMENT OF THE PLANTING SOIL SHOULD BE IN 12 TO 16 LIFTS THAT ARE LOOSELY COMPACTED (TAMPED LIGHTLY WITH A BACKHOE BUCKET OR TRAVERSED BY DOZER TRACKS). THE SPECIFIC CHARACTERISTICS ARE PRESENTED IN TABLE A.3.

### TABLE A.3 PLANTING SOIL CHARACTERISTICS

VALUE		
5.2 TO 7.00		
1.5 TO 4.0% (BY WEIGHT)		
35 LBS. PER ACRE, MINIMUM		
75 LBS. PER ACRE, MINIMUM		
85 LBS. PER ACRE, MINIMUM		
500 PPM		
10 TO 25 %		
30 TO 55 %		
35 TO 60%		

THE MULCH LAYER PLAYS AN IMPORTANT ROLE IN THE PERFORMANCE OF THE BIORETENTION SYSTEM. THE MULCH LAYER HELPS MAINTAIN SOIL MOISTURE AND AVOIDS SURFACE SEALING, WHICH REDUCES PERMEABILITY MULCH HELPS PREVENT EROSION, AND PROVIDES A MICROENVIRONMENT SUITABLE FOR SOIL BIOTA AT THE MULCH/SOIL INTERFACE. IT ALSO SERVES AS A PRETREATMENT LAYER, TRAPPING THE FINER SEDIMENTS, WHICH REMAIN SUSPENDED AFTER THE PRIMARY PRETREATMENT.

THE MULCH LAYER SHOULD BE STANDARD LANDSCAPE STYLE, SINGLE OR DOUBLE SHREDDED HARDWOOD MULCH OR CHIPS. THE MULCH LAYER SHOULD BE WELL AGED (STOCKPILED OR STORED FOR AT LEAST 12 MONTHS), UNIFORM IN COLOR, AND FREE OF OTHER MATERIALS, SUCH AS WEED SEEDS, SOIL, ROOTS, ETC. THE MULCH SHOULD BE APPLIED TO A MAXIMUM DEPTH OF THREE INCHES. GRASS CLIPPINGS SHOULD NOT BE USED AS A MULCH MATERIAL.

## PLANTING GUIDANCE

PLANT MATERIAL SELECTION SHOULD BE BASED ON THE GOAL OF SIMULATING A TERRESTRIAL FORESTED COMMUNITY OF NATIVE SPECIES. BIORETENTION SIMULATES AN UPLAND-SPECIES ECOSYSTEM. THE COMMUNITY SHOULD BE DOMINATED BY TREES. BUT HAVE A DISTINCT COMMUNITY OF UNDERSTORY TREES. SHRUBS AND HERBACEOUS MATERIALS. BY CREATING A DIVERSE, DENSE PLANT COVER, A BIORETENTION FACILITY WILL BE ABLE TO TREAT STORMWATER RUNOFF AND WITHSTAND URBAN STRESSES FROM INSECTS, DISEASE, DROUGHT, TEMPERATURE, WIND, AND EXPOSURE.

THE PROPER SELECTION AND INSTALLATION OF PLANT MATERIALS IS KEY TO A SUCCESSFUL SYSTEM. THERE ARE ESSENTIALLY THREE ZONES WITHIN A BIORETENTION FACILITY (FIGURE A.5). THE LOWEST ELEVATION SUPPORTS PLANT SPECIES ADAPTED TO STANDING AND FLUCTUATING WATER LEVELS. THE MIDDLE ELEVATION SUPPORTS PLANTS THAT LIKE DRIER SOIL CONDITIONS, BUT CAN STILL TOLERATE OCCASIONAL INUNDATION BY WATER. THE OUTER EDGE

IS THE HIGHEST ELEVATION AND GENERALLY SUPPORTS PLANTS ADAPTED TO DRYER CONDITIONS. A SAMPLE OF APPROPRIATE PLANT MATERIALS FOR BIORETENTION FACILITIES ARE INCLUDED IN TABLE A.4. THE LAYOUT OF PLANT MATERIAL SHOULD BE FLEXIBLE, BUT SHOULD FOLLOW THE GENERAL PRINCIPALS DESCRIBED IN TABLE A.5. THE OBJECTIVE IS TO HAVE A SYSTEM, WHICH RESEMBLES A RANDOM, AND NATURAL PLANT LAYOUT, WHILE MAINTAINING OPTIMAL CONDITIONS FOR PLANT ESTABLISHMENT AND GROWTH. FOR A MORE EXTENSIVE BIORETENTION PLAN, CONSULT ETAB, 1993 OR CLAYTOR AND 5CHUELER, 1997.

# OPERATION AND MAINTENANCE SCHEDULE

FISHER, COLLINS & CARTER, INC.

CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

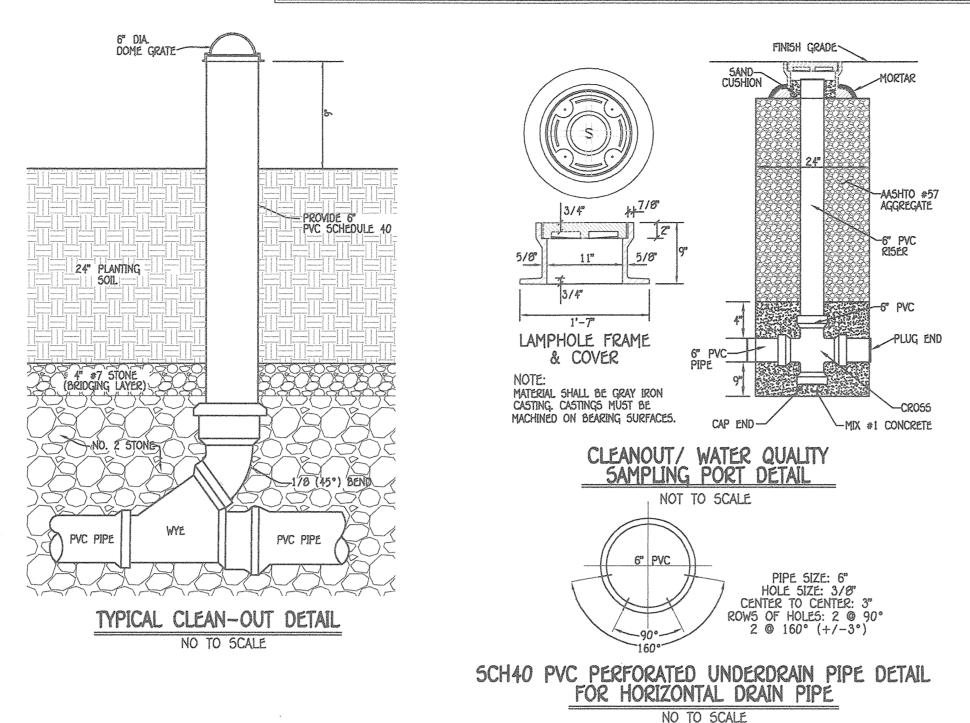
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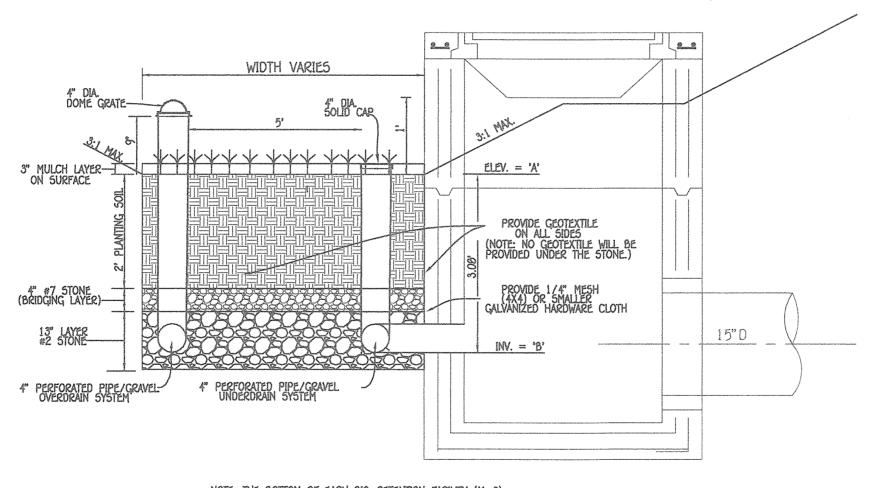
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TREES AND SHRUBS AND REPLACEMENT OF ALL DEFICIENT STAKES AND WIRES.

4. SOIL EROSION TO BE ADDRESSED ON AN AS NEEDED BASIS, WITH A MINIMUM OF ONCE PER MONTH AND

DRY WELL CHART VOLUME VOLUME AREA OF AREA OF NO. OF REQUIRED PROVIDED STORAGE TREATMENT DRYWELLS AREA OF ROOF NUMBER DOWNSPOUTS OF DRYWELLS 132 CuFt 140 CuFt 100% 100% 140 CuFt 140 CuFt 100% 100% 132 CuFt 140 CuFt 100% 100% 140 CuFt 140 CuFt 100% 100% | 133 CuFt | 140 CuFt | 100% | 100% | 979 5qFt 140 CuFt 140 CuFt 100% 100% 977 5qFt 140 CuFt 140 CuFt 100% 100% 921 5qFy 132 CuFt 140 CuFt 100% 100% 1 10° X 7′ X 5′





NOTE: THE BOTTOM OF EACH BIO-RETENTION FACILITY (M-6) SHALL BE ROTOTILLED PRIOR TO STONE INSTALLATION. TYPICAL SECTION BIO-RETENTION FACILITY (F-6) NOT TO SCALE

## OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED PERMEABLE PAVEMENT (A-2)

à. The owner shall periodically sweep (or vacuum porous concrete pavement) the pavement surfaces to reduce sediment accumulation and insure continued surface porosity. Sweeping should be performed at least twice annually with a commercial cleaning unit. Washing or compressed air units should not be used to perform surface cleaning.

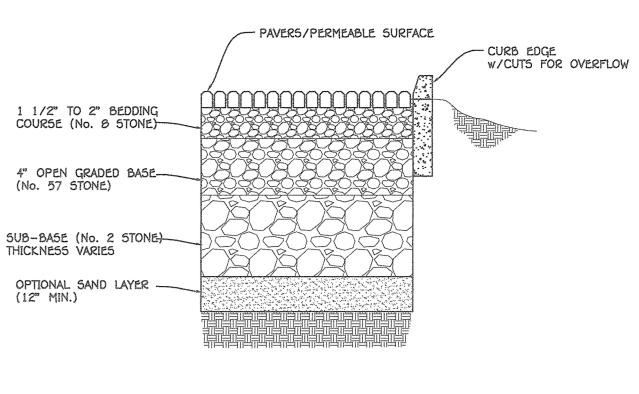
b. The owner shall periodically clean drainage pipes, inlets, stone edge drains and other structures within or draining to the subbase.

c. The owner shall use deicers in moderation. Deicers should be non-toxic and be applied either as calcium magnesium acetate or as pretreated salt.

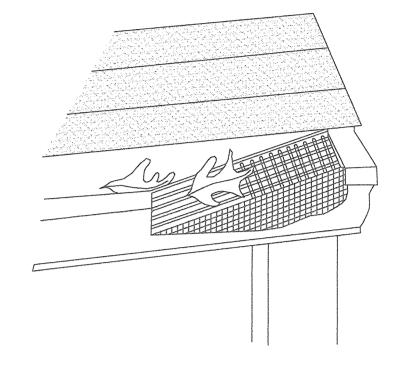
d. The owner shall ensure snow plowing is performed carefully with blades set one inch above the surface. Plowed snow piles and snowmelt should not be directed to permeable pavement.

# OPERATION & MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED DRY WELLS (M-5)

- A. THE OWNER SHALL INSPECT THE MONITORING WELLS AND STRUCTURES ON A QUARTERLY BASIS
- AND AFTER EVERY HEAVY STORM EVENT. B. THE OWNER SHALL RECORD THE WATER LEVELS AND SEDIMENT BUILD UP IN THE MONITORING
- WELLS OVER A PERIOD OF SEVERAL DAYS TO ENSURE TRENCH DRAINAGE. C. THE OWNER SHALL MAINTAIN A LOG BOOK TO DETERMINE THE RATE AT WHICH THE FACILITY DRAINS.
- D. WHEN THE FACILITY BECOMES CLOGGED SO THAT IT DOES NOT DRAIN DOWN WITHIN A SEVENTY-TWO
- (72) HOUR TIME PERIOD, CORRECTIVE ACTION SHALL BE TAKEN. E. THE MAINTENANCE LOG BOOK SHALL BE AVAILABLE TO HOWARD COUNTY FOR INSPECTION TO INSURE COMPLIANCE WITH OPERATION AND MAINTENANCE CRITERIA.

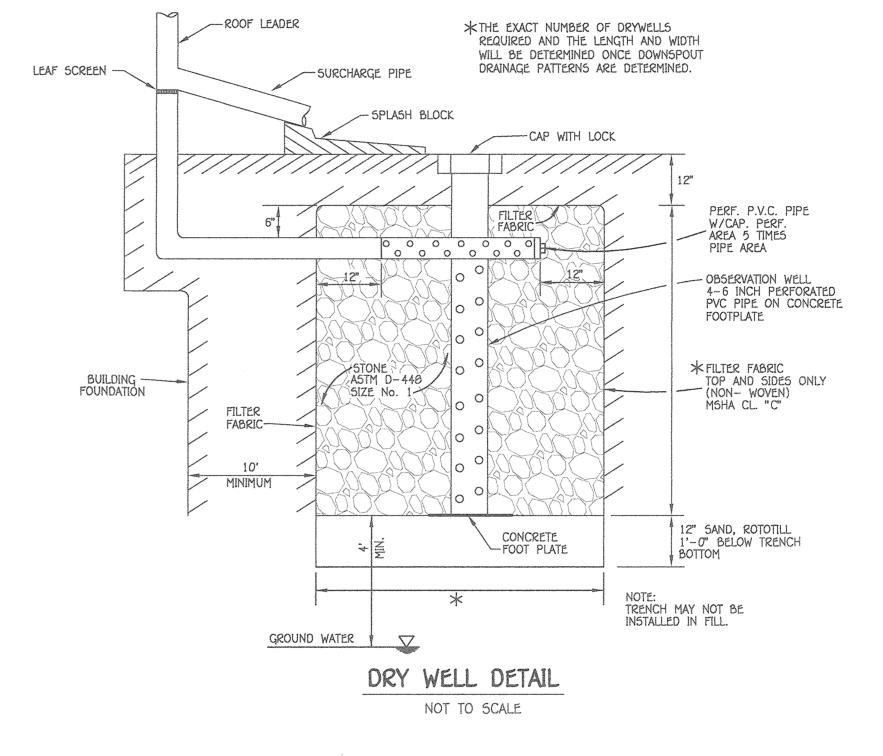


TYPICAL SECTION - PERMEABLE PAVEMENT NO SCALE



GUTTER DRAIN FILTER DETAIL

NOT TO SCALE \*A GUTTER GUARD OR A SUITABLE EQUIVALENT SHALL BE USED FOR EACH DOWNSPOUT DIRECTED TO A DRYWELL.



# FOR BIO-RETENTION AREAS (M-6) AND (F-6)

ANNUAL MAINTENANCE OF PLANT MATERIAL, MULCH LAYER AND SOIL LAYER IS REQUIRED. MAINTENANCE OF OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH OUT. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL AND PRUNING.

2. SCHEDULE OF PLANT INSPECTION WILL BE TWICE A YEAR IN SPRING AND FALL THIS INSPECTION WILL INCLUDE REMOVAL OF DEAD AND DISEASED VEGETATION CONSIDER BEYOND TREATMENT. TREATMENT OF ALL DISEASED

3. MULCH SHALL BE INSPECTED EACH SPRING. REMOVE PREVIOUS MULCH LAYER BEFORE APPLYING NEW LAYER ONCE EVERY 2 TO 3 YEARS. AFTER HEAVY STORM EVENTS.

> TENTATIVELY APPROVED DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY 6-25-19

> > DATE

PLANNING DIRECTOR

PROFESSIONAL CERTIFICATION HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21476, EXPIRATION DATE: 7/14/19.

Kranh Manslarson J

14722 DORSEY MILL ROAD GLENELG, MD 21738 5/20/19

OWNER ESTATE OF FRANCES ANNE NAHRGANG

DEVELOPER

H&H ROCK COMPANIES 6800 DEERPATH ROAD #100 ELKRIDGE, MD 21075 (410)-567-1045

STORMWATER MANAGEMENT NOTES AND DETAILS SHEET EDEN BROOK

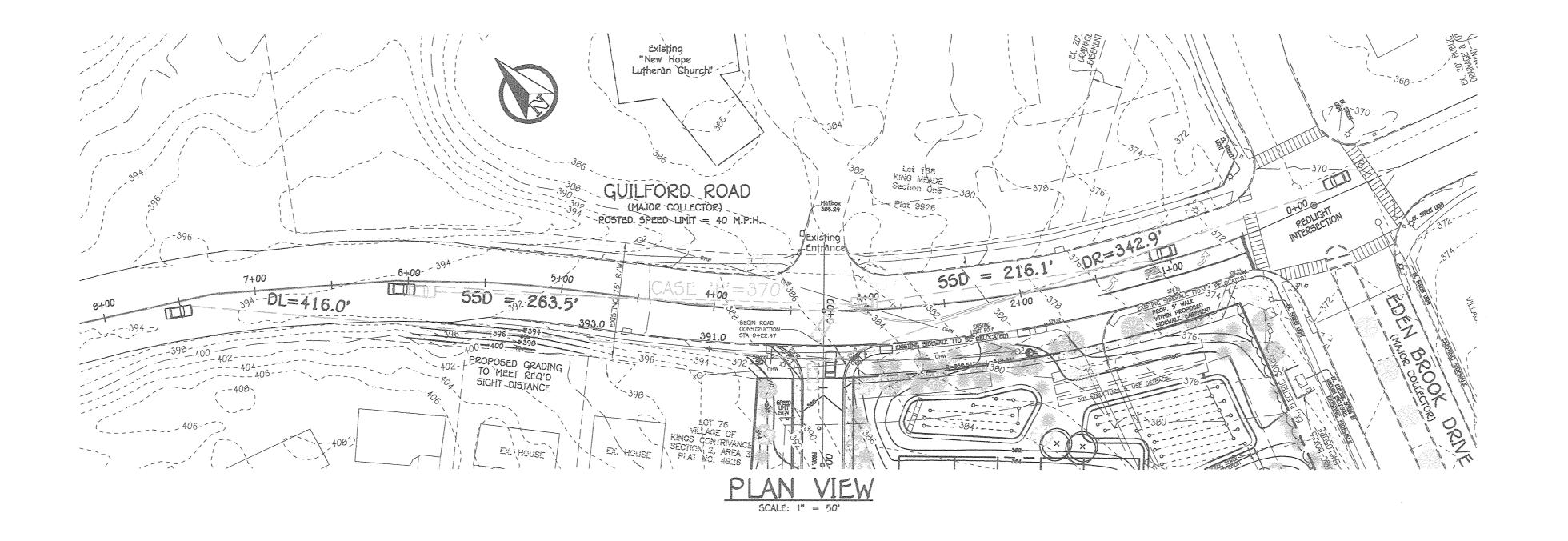
LOTS 1 THRU 24, OPEN SPACE LOTS 25 THRU 31 (AGE-RESTRICTED ADULT HOUSING)

8580 GUILFORD ROAD PREVIOUS HOWARD COUNTY FILE No. BA-17-030C.

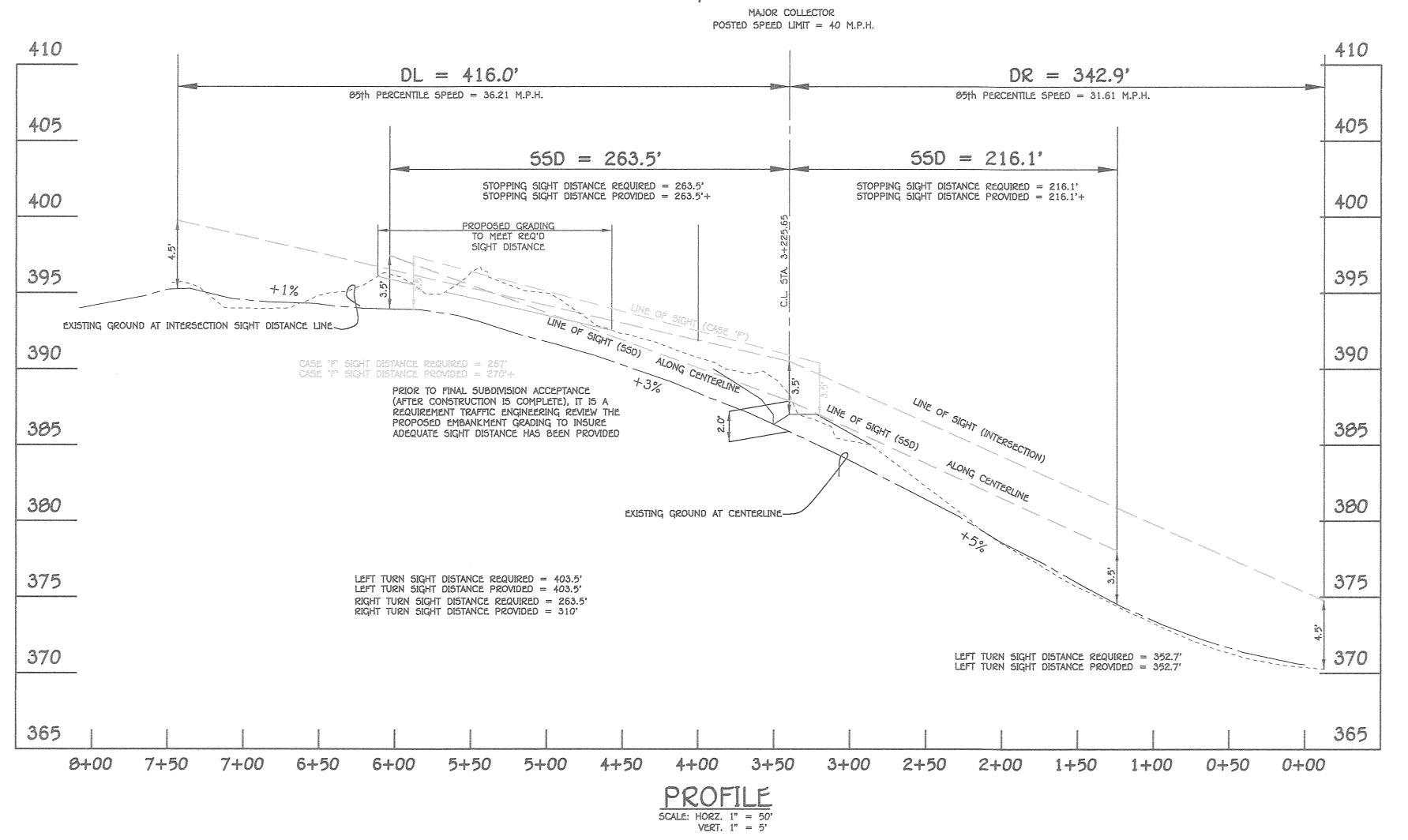
ECP 18-051, WP-19-055 TAX MAP NO.: 42 GRID NO.: 7 PARCEL NO.: 269 ZONED R-12

SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: AS SHOWN DATE: APRIL 2019

> SHEET 7 OF 8 5P-18-003



# GUILFORD ROAD

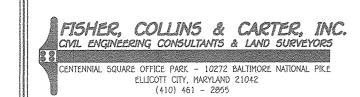


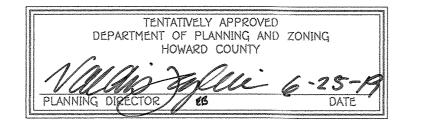
SIGHT DISTANCE PLAN AND PROFILE EDEN BROOK

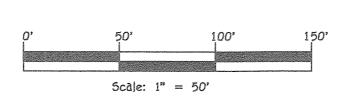
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8580 GUILFORD ROAD

PREVIOUS HOWARD COUNTY FILE No. BA-17-030C, ECP 18-051, WP-19-055 TAX MAP NO.: 42 GRID NO.: 7 PARCEL NO.: 269

ZONED R-12
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: APRIL 2019









PROFESSIONAL CERTIFICATION

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FRANK MANALANSAN, II.

STATE OF THACTORIO, ELECTOR NO. 21470, ENTIRATION BATE. 7714719.

5/20/19

Date

ESTATE OF
FRANCES ANNE NAHRGANG
14722 DORSEY MILL ROAD
GLENELG, MD 21738

DEVELOPER

H&H ROCK COMPANIES
6800 DEERPATH ROAD #100
ELKRIDGE, MD 21075
(410)-567-1045

AS SHOWN DATE: APRIL 2019
SHEET 8 OF 8
SP-18-003