GENERAL NOTES

- THIS PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVER OR ALTERNATIVE COMPLIANCE HAVE BEEN APPROVED.
- 2. THE SUBJECT PROPERTY IS ZONED R-12 PER THE OCTOBER 6, 2013 COMPREHENSIVE
- 3. THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM.

HOWARD COUNTY MONUMENTS NO. 38D5 AND 38D6 WERE USED FOR THIS PROJECT.

- 4. TRACT BOUNDARY IS BASED ON A FIELD SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. IN JULY, 2019.
- 5. THE EXISTING TOPOGRAPHY SHOWN IS BASED ON FIELD SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. IN JULY, 2019.
- 6. THE EXISTING UTILITIES SHOWN ARE BASED ON FIELD LOCATIONS, SIGNED CONTRACT DRAWINGS AND HOWARD COUNTY GIS.
- 7. THIS PROPERTY IS NOT LOCATED ALONG A SCENIC ROAD.
- 8. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO CEMETERIES, BURIAL GROUNDS OR HISTORIC STRUCTURES LOCATED ON THE SUBJECT PROPERTY.
- 9. STORMWATER MANAGEMENT SYSTEMS SHOWN ARE ON AN APPROXIMATION OF THE SHAPE AND LOCATION. IT IS UNDERSTOOD THAT THIS SYSTEM HAS NOT BEEN DESIGNED AND THE ACTUAL DESIGN MAY CHANGE, THE SYSTEM WILL BE DESIGNED TO CONTROL AND CONVEY THE 10YR AND AND 100YR STORM AND MAY ALTER THE NUMBER OF UNITS ALLOCATED FOR THIS DEVELOPMENT. THE SUBMERGED GRAVEL WETLAND WILL BE PRIVATELY OWNED AND JOINTLY MAINTAINED.
- 10. THE GEO-TECHNICAL REPORT WAS PREPARED BY GEOLAB DATED AUGUST, 2019.
- 11. THIS PROJECT IS LOCATED WITHIN THE METROPOLITAN DISTRICT.
- 12. WATER AND SEWER IS PUBLIC. THE DRAINAGE AREA IS THE DEEP RUN OF THE PATAPSCO RIVER.
 THE CONTRACT NUMBERS ARE:
 256 W & S
- 13. A NOISE STUDY IS NOT REQUIRED FOR THIS PROJECT.
- 14. THE TRAFFIC STUDY WAS PREPARED BY MARS GROUP 5/6/18 AND WAS APPROVED UNDER S-19-004.
- 15. ALL PUBLIC TREES SHALL BE SPACED A MINIMUM OF 20' FROM PROPOSED PUBLIC STREET LIGHT LOCATIONS. CONTACT TRAFFIC ENGINEERING (410-313-5752) TO MARK STREET LIGHT LOCATIONS BEFORE PLANTING TREES.
- 16. LANDSCAPING IS PROVIDED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL VIA A CERTIFIED LANDSCAPE PLAN AS PART OF THIS PLAN SET. FINANCIAL SURETY SHALL BE POSTED AS PART OF THE DPW DEVELOPER'S AGREEMENT UNDER THE FINAL ROAD CONSTRUCTION PLANS.
- 17. ALTERNATIVE COMPLIANCE, WP-19-053 TO REQUEST RELIEF FROM SECTION 16.1205(A)(7) SPECIMEN TREES RETENTION; SECTION 16.116(B) STEEP SLOPE DISTURBANCE; SECTION 16.120(B)(4)(III)(A) STEEP SLOPES ON RESIDENTIAL LOTS; WAS APPROVED BY HOWARD COUNTY DIRECTOR OF PLANNING AND ZONING DATED APRIL 15, 2019.
- APPROVAL IS SUBJECT TO THE FOLLOWING CONDITIONS:
- 1. STEEP SLOPE DISTURBANCE IS LIMITED TO THOSE AREAS SHOWN ON THE WP EXHIBIT FOR WP-19-053. ANY PROPOSAL TO IMPACT ADDITIONAL STEEP SLOPE AREA WILL REQUIRE A NEW ALTERNATIVE COMPLIANCE REQUEST OR AN AMENDMENT TO THIS ALTERNATIVE COMPLIANCE.
- 2. ALTERNATIVE COMPLIANCE APPROVAL IS LIMITED TO THE REMOVAL OF SPECIMEN TREES #1, 3 & 5 AS DEPICTED ON THE ALTERNATIVE COMPLIANCE EXHIBIT. ANY PROPOSAL TO REMOVE ADDITIONAL SPECIMEN TREES WILL REQUIRE A NEW ALTERNATIVE COMPLIANCE REQUEST OR AN AMENDMENT TO THIS ALTERNATIVE COMPLIANCE REQUEST.
- 3. ALL ATTEMPTS MUST BE MADE TO PRESERVE SPECIMEN TREE #3. INDIVIDUAL TREE PROTECTION DEVICES (TREE FENCING) SHALL BE PLACED COMPLETELY AROUND SPECIMEN TREE #3 PRIOR TO THE COMMENCEMENT OF ANY GRADING. ROOT PRUNING WILL OCCUR. THESE MEASURES SHALL BE OUTLINED IN THE PRE—CONSTRUCTION MANAGEMENT PLAN OF THE FINAL FOREST CONSERVATION PLAN (FCP) AND WITHIN THE SEQUENCE OF CONSTRUCTION PROVIDED ON THE FINAL PLAN FOR "THE AERIE IN ELKRIDGE".
- 4. A MINIMUM OF 6 ADDITIONAL, NATIVE, 2-3" CALIPER TREES SHALL BE PROVIDED ON SIT AS PART OF THE MITIGATION FOR THE SPECIMEN TREE REMOVAL. THIS MITIGATION WILL BE ADDRESSED WITH THE PROJECT KNOWN AS "THE AERIE IN ELKRIDGE" AND WILL BE IN ADDITION TO ANY REQUIRED LANDSCAPE OR FOREST CONSERVATION PLANTINGS.
- 5. THE MITIGATION PLANTINGS SHOULD BE PLACED (IF POSSIBLE) WITHIN THE REAR YARDS OF LOTS 5, 10 AND 12.
- 6. THE EXISTING DRIVEWAY SHALL BE REMOVED AND THE AREA STABILIZED UNDER THE PRELIMINARY PLAN.
- 18. A WAIVER TO THE DESIGN MANUAL, VOLUME III WAS APPROVED MARCH 25, 2019. THE WAIVERS GRANTED WERE FOR MINIMUM RADII, CURVE LENGTH, GEOMETRIC DESIGN AND MINIMUM CURB FILLET, AND INCLUDED SECTION 2.3.A.1.A; SECTION 2.3.A.1.C AND APPENDIX A. THE APPROVAL WAS SUBJECT TO INCREASING THE PAVEMENT WIDTH AT THE SUB—STANDARD CURVES TO 26' WITH RESTRICTED PARKING ON BOTH SIDES, AND WITH THE APPROVAL FROM THE DEPARTMENT OF FIRE AND RESCUE SERVICES.
- 19. TRAFFIC CONTROL DEVICES:

 a.) THE TRAFFIC CONTROL DEVICES 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
- b.) ALL TRAFFIC CONTROL DEVICES AND THEIR LOCATIONS SHALL BE IN ACCORDANCE WITH
 THE LATEST EDITION OF THE "MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL
- c.) ALL SIGN POST 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

SITE DATA TABULATION

d. DEED REFERENCE: L. 18048 F. 6

AREA OF THIS PLAN SUBMISSION

LIMIT OF DISTURBANCE (APPROX.)

AREA OF PROPOSED BUILDABLE LOTS.

AREA OF PROPOSED PUBLIC ROAD

1 UNIT PER 12,000 GROSS SQUARE FEET

. TOTAL NUMBER OF BUILDABLE LOTS

b. TOTAL NUMBER OF OPEN SPACE LOTS

PERCENT OF OPEN SPACE PROVIDED ...

f. RECREATIONAL OPEN SPACE (200 SF/UNIT)....

a. REQUIRED OPEN SPACE (FULL OBLIGATION 30%)...

b. LOCATION: TAX MAP 38 - GRID 14 - PARCEL 232
 c. APPLICABLE DPZ FILE REFERENCES: ECP-19-028,

AREA OF 100 YEAR FLOODPLAIN (APPROX.)

AREA OF PROPOSED PUBLIC R/W DEDICATION

b. TOTAL NUMBER OF LOTS ALLOWED PER ZONING

e. PROPOSED USE OF SITE: 12 NEW SFD DETACHED RESIDENCES.

f. PROPOSED WATER AND SEWER: PUBLIC WATER AND PUBLIC SEWER

AREA OF STEEP SLOPES ON-SITE (25% OR GREATER).. 1.07 Ac. ±

. 4.18 Ac.±

. 5.25 Ac.±

.. 2.42 Ac.±

. 0.29 Ac.±

. 0.55 Ac.±

. 5.25 Ac.±

2.27 Ac.±

43.2%

2,400 SF

a. PRESENT ZONING: R-12

1) GENERAL SITE DATA

S-19-004, WP-19-053

NET AREA OF SITE .

3) DENSITY TABULATION

ALLOWED BY RIGHT ..

5) OPEN SPACE

NET AREA OF SITE

4) UNIT/LOT TABULATION

(8,400 SF MIN. LOT SIZE) ..

OPEN SPACE PROVIDED ..

NON-CREDIT OPEN SPACE ..

CREDITED OPEN SPACE....

2) AREA TABULATION a. TOTAL AREA OF SITE

- 20. A PRE-SUBMISSION COMMUNITY MEETING WAS HELD ON 11/28/18, 6:00 PM AT THE ELKRIDGE LIBRARY, 6540 WASHINGTON AVE. ELKRIDGE MD.
- 21. MAA PERMIT WILL BE SUBMITTED PRIOR TO APPROVAL OF PLAT, ANY REQUIRED CONDITIONS WILL BE ADDRESSED ON THE PLAT.
- 22. THIS PROJECT IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS PER COUNCIL BILL 45—2003 AND THE ZONING REGULATIONS AS AMENDED BY COUNCIL BILL 75—2003.
- 23. PREVIOUS HOWARD COUNTY FILE REFERENCES: S-19-004, WP-19-053, ECP-19-028.

SIGNED ON 5/3/19.

- 24. THIS PROJECT IS SUBJECT TO SECTION 13.402 OF THE COUNTY CODE FOR MODERATE INCOME HOUSING UNITS (MIHU).
- 25. OPEN SPACE WILL BE PROVIDED WITHIN LOT 13 AS INDICATED ON THIS PLAN.
- 25. OPEN SPACE WILL BE PROVIDED WITHIN LOT 13 AS INDICATED ON THIS PLAN.

 26. ECP-19-028 WAS APPROVED BY DEVELOPMENT ENGINEERING DIVISION AND MYLARS WERE
- 27. THE FOREST CONSERVATION REQUIREMENTS FOR THIS SUBDIVISION SHALL BE ADDRESSED PRIOR TO RECORDATION OF THE FINAL SUBDIVISION PLAT AND SHALL BE PROVIDED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.1200 OF THE SUBDIVISION REGULATIONS AND FOREST CONSERVATION MANUAL. THE FOREST CONSERVATION OBLIGATION SHALL BE SATISFIED BY THE FOREST CONSERVATION ACT REQUIREMENTS FOR THIS PROJECT AND WILL MET THROUGH THE RETENTION OF 0.7 ACRES OF ON—SITE FOREST, 0.1 ACRES OF ON—SITE PLANTING AND 1.3 ACRES OF OFFSITE PLANTING, FEE—IN—LIEU/ IN A FOREST RANK, CREDIT PLICHASE OF SOME COMBINATION THEREOF.
- 28. THE FOREST STAND DELINEATION (FSD) WAS PREFORMED BY ECO—SCIENCE PROFESSIONALS, INC. THERE ARE THREE (3) SPECIMEN TREES PROPOSED TO BE REMOVED AS APPROVED UNDER WP—19—053, THE FSD WAS APPROVED UNDER S—19—004.
- 29. A PRIVATE RANGE OF ADDRESS SIGN ASSEMBLY SHALL BE FABRICATED AND INSTALLED BY HOWARD COUNTY BUREAU OF HIGHWAYS AT THE DEVELOPERS/OWNERS EXPENSE. CONTACT HOWARD COUNTY TRAFFIC DIVISION AT 410-313-5752 FOR DETAILS AND COST ESTIMATES.

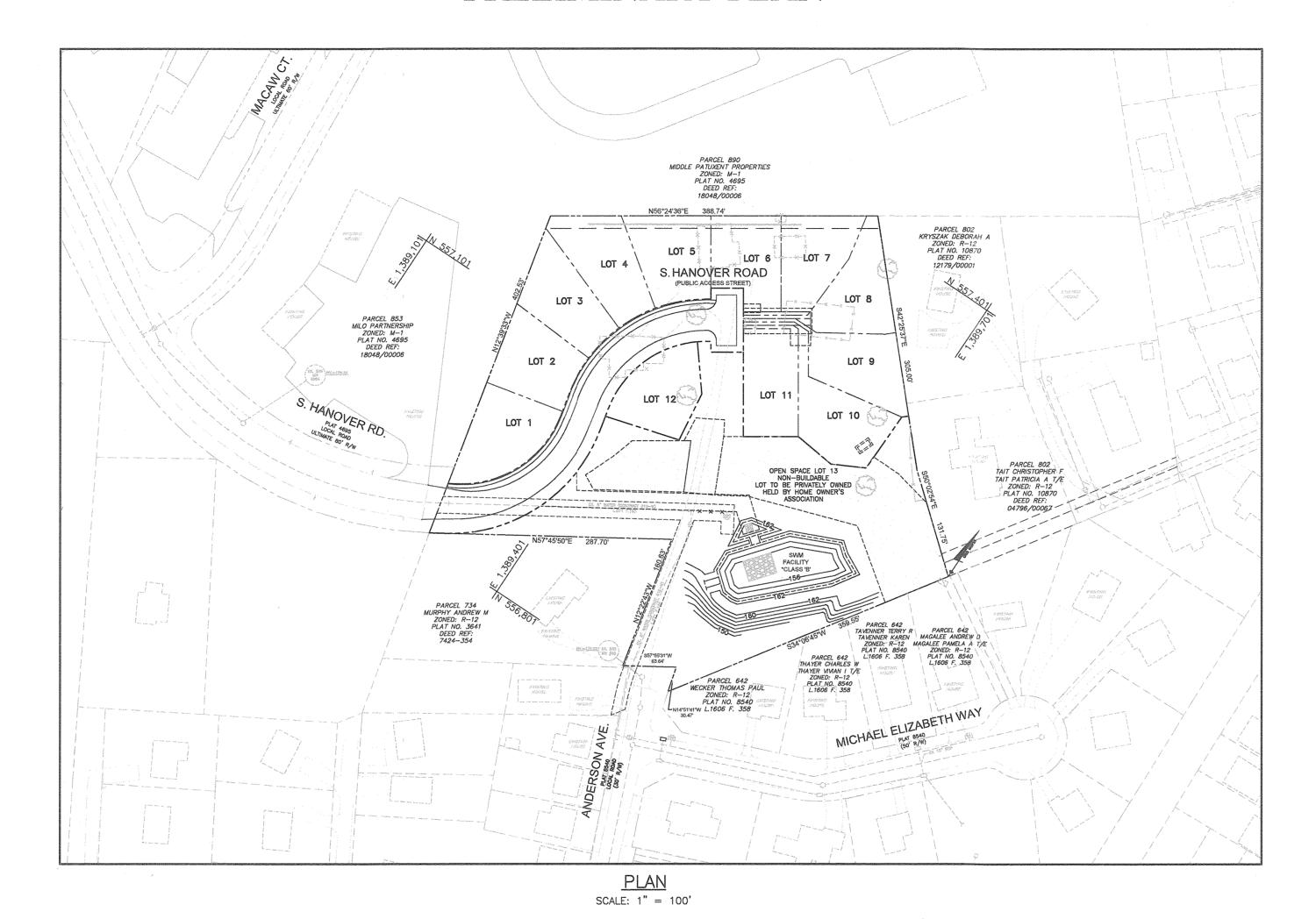
TENTATIVELY APPROVED
DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY

PLANNING DIRECTOR DATE

THE AERIE IN ELKRIDGE

LOTS 1-12 AND OS LOT 13 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

PRELIMINARY PLAN



			·····						
	STORMWATER MANAGMENT PRACTICES								
LOT NO.	ADDRESS	NON-ROOFTOP DISCONNECT (N-2)	DRYWELLS (M-5)	MICRO- BIORENTION (M-6)	GRASS SWALE				
1	S. HANOVER RD.	0	2	0	0				
2	S. HANOVER RD.	0	2	0	0				
3	S. HANOVER RD.	0	2	0	0				
4	S. HANOVER RD.	0	2	0	0				
5	S. HANOVER RD.	0	2	0	0				
6	S. HANOVER RD.	0	2	0	0				
7	S. HANOVER RD.	0	2	0	0				
8	S. HANOVER RD.	0	2	0	0				
9	S. HANOVER RD.	0	2	0	0				
10	S. HANOVER RD.	0	1	1	0				
11	S. HANOVER RD.	0	2	0	0				
12	S. HANOVER RD.	0	2	0	0				

1 inch = 100 ft.

MINIMUM LOT SIZE CHART								
LOT NO.	GROSS AREA (SF)	PIPESTEM (SF)	MINIMUM LOT SIZE					
			SQUARE FEET	ACRES				
1	9,287	0	9,287	0.21				
2	8,402	0	8,402	0.19				
3	8,569	0	8,569	0.20				
4	9,362	0	9,362	0.22				
5	8,983	0	8,983	0.21				
6	8,416	0	8,416	0.19				
7	8,581	179	8,402	0.19				
8	8,733	246	8,487	0.19				
9	8,765	327	8,438	0.19				
10	9,438	640	8,798	0.20				
11	8,601	0	8,601	0.20				
12	8,414	0	8,414	0.19				

BENCH MARKS (NAD '83)

HO. CO. #38D5 ELEV. 193.726

STAMPED (BRASS OR ALUMINUM) DISC SET ON TOP
OF A CONCRETE COLUMN 1" OR 2" BELOW GRADE
N 558,378.575 E 1,386,524.158

HO. CO. #38D6 ELEV. 175.228

STAMPED (BRASS OR ALUMINUM) DISC SET ON TOP
OF A CONCRETE COLUMN 1" OR 2" BELOW GRADE
N 557,155.459 E 1,384,992.262

193.726
TON TOP W GRADE
5,524.158

175.228
TON TOP W GRADE
4,992.262

HO. CO.
MON.
#38D5

HO. CO.
MON.
#38D6

FRAILROAD

RAILROAD

RAILR

ADC MAP 35 GRID E4

VICINITY MAP

SCALE: 1" = 2000'

LEGE	END
	PROPERTY BOUNDARY ADJACENT PROPERTY BOUNDARY
200	GIS CONTOUR LINES
200	PROPOSED CONTOUR LINES
MaD GgC	SOIL DELINEATION
	EXISTING BUILDINGS
	PROPOSED DWELLING
	STEEP SLOPES 25% OR GREATER
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	EXISTING TREELINE
	PROPOSED TREELINE
	PROPOSED WATER
	PROPOSED SANITARY
0	PROPOSED STORMDRAIN
	SPECIMEN TREE
	NO WOODY BUFFER
	STABILIZATION MATTING

	SHEET INDEX
NO.	DESCRIPTION
1	PRELIMINARY PLAN
2	PRELIMINARY LAYOUT PLAN
3	PRELIMINARY ROAD PROFILES S. HANOVER ROAD
4	PRELIMINARY GRADING, SEDIMENT AND EROSION CONTROL PLAN
5	PRELIMINARY STORMDRAIN DRAINAGE AREA MAP
6	PRELIMINARY GRADING & STORMWATER MANAGEMENT DRAINAGE AREA MAP
7	PRELIMINARY LANDSCAPE PLAN AND SOILS MAP
8	PRELIMINARY FOREST CONSERVATION PLAN

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ENGINEERS & LAND SURVEYORS & PLANNERS \
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE & SUITE 315
ELLICOTT CITY, MARYLAND 21043
(P) 410-465-6105 & (F) 410-465-6644

WWW.BEI-CIVILENGINEERING.COM

OWNER:

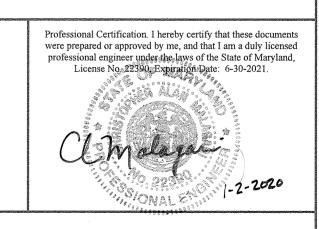
TROTTER 5857, LLC.

MCLEAN, VA 22101

(P) 443-250-1555

1819 PANARAMA CT

DESIGN: LDD DRAFT: LDD



T

SCALE:

THE AERIE IN ELKRIDGE LOTS 1-12 AND OS LOT 13

6399 ANDERSON AVE, HANOVER, MD 21076
TAX MAP: 38 — GRID: 14 — PARCEL: 232
ZONED: R—12
ELECTION DISTRICT NO. 1 — HOWARD COUNTY, MARYLAND

PRELIMINARY PLAN

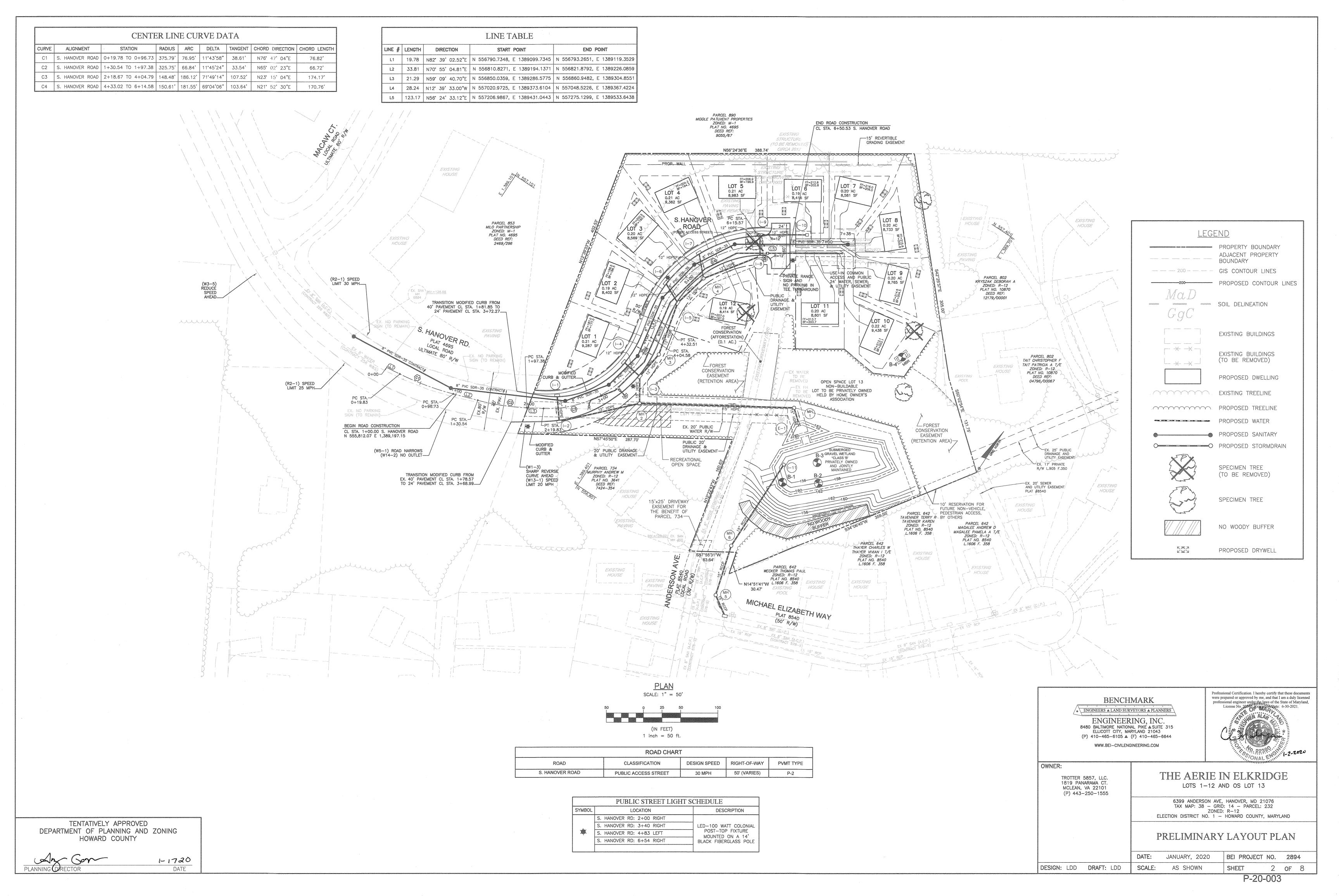
SHEET

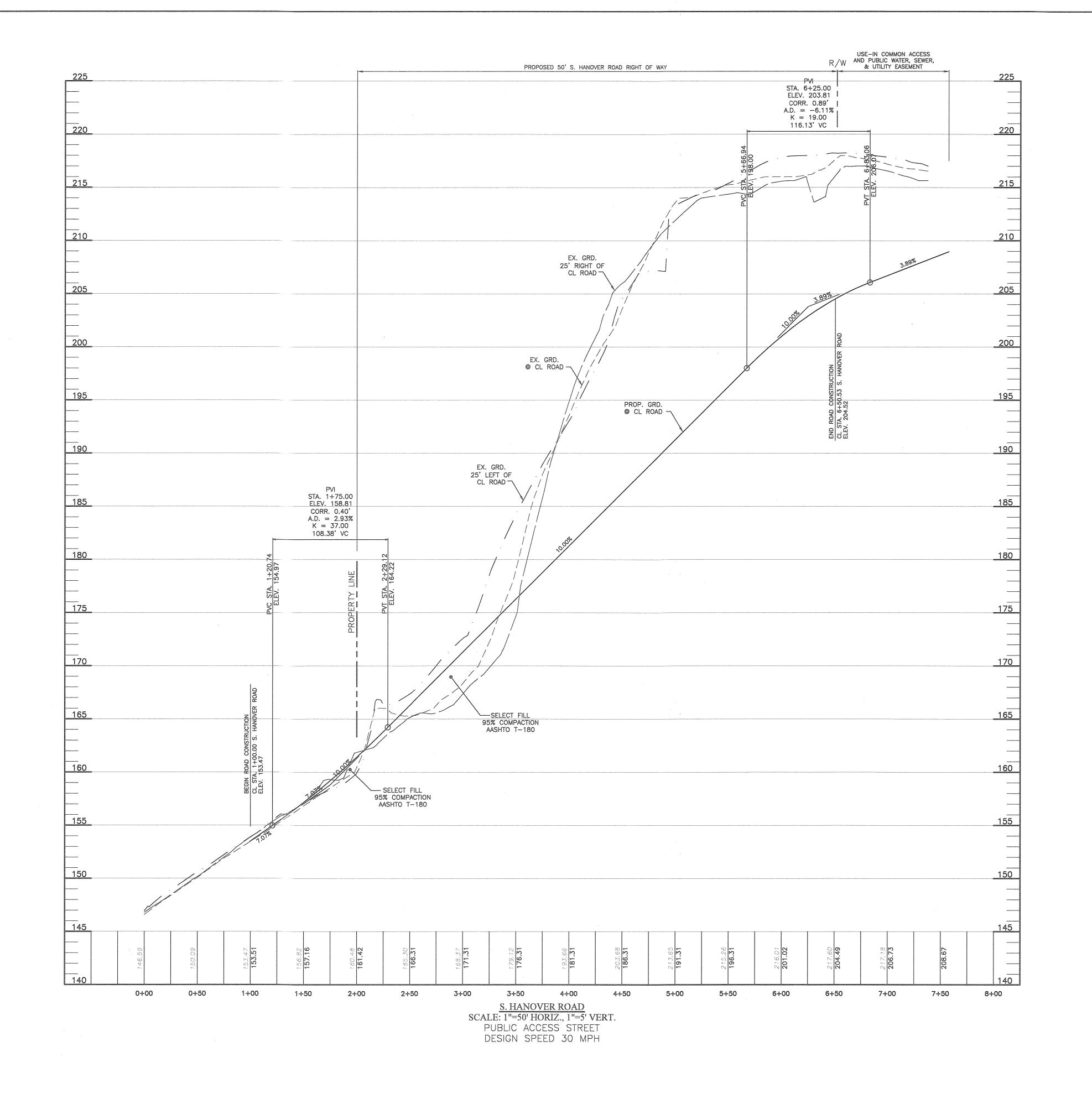
DATE: JANUARY, 2020 BEI PROJECT NO. 2894

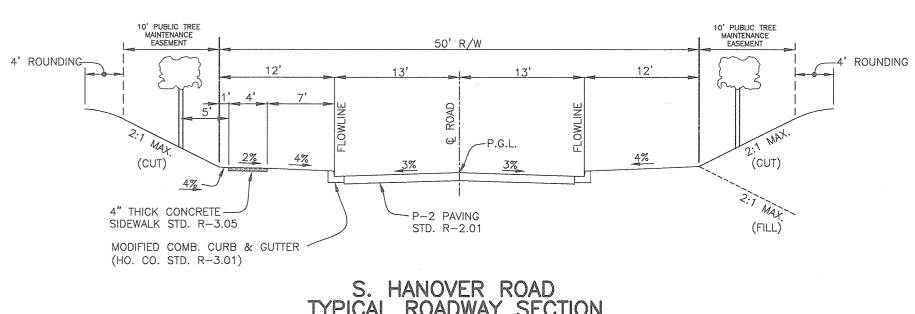
AS SHOWN

P-20-003

of 8







S. HANOVER ROAD
TYPICAL ROADWAY SECTION

PUBLIC ACCESS STREET
TRANSITION STA. 0+00 TO 2+07.07
STA. 2+07.17 TO 4+52.12
DESIGN SPEED: 30 MPH
SCALE: 1" = 10'

BENCHMARK

• ENGINEERS & LAND SURVEYORS & PLANNERS

• ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE & SUITE 315

ELLICOTT CITY, MARYLAND 21043

(P) 410-465-66105 & (F) 410-465-6644

WWW.BEI-CIVILENGINEERING.COM

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 22 100 Expration Date: 6-30-2021.

OWNER:

TROTTER 5857, LLC. 1819 PANARAMA CT. MCLEAN, VA 22101 (P) 443-250-1555 THE AERIE IN ELKRIDGE LOTS 1-12 AND OS LOT 13

6399 ANDERSON AVE, HANOVER, MD 21076 TAX MAP: 38 — GRID: 14 — PARCEL: 232 ZONED: R-12 ELECTION DISTRICT NO. 1 — HOWARD COUNTY, MARYLAND

PRELIMINARY ROAD PROFILES
S. HANOVER ROAD

S. HANOVER ROAD

DESIGN: LDD DRAFT: LDD SCALE:

DATE: JANUARY, 2020 BEI PROJECT NO. 2894

SCALE: AS SHOWN SHEET 3 OF 8

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY

PLANNING OFFECTOR

DATE

TENTATIVELY APPROVED

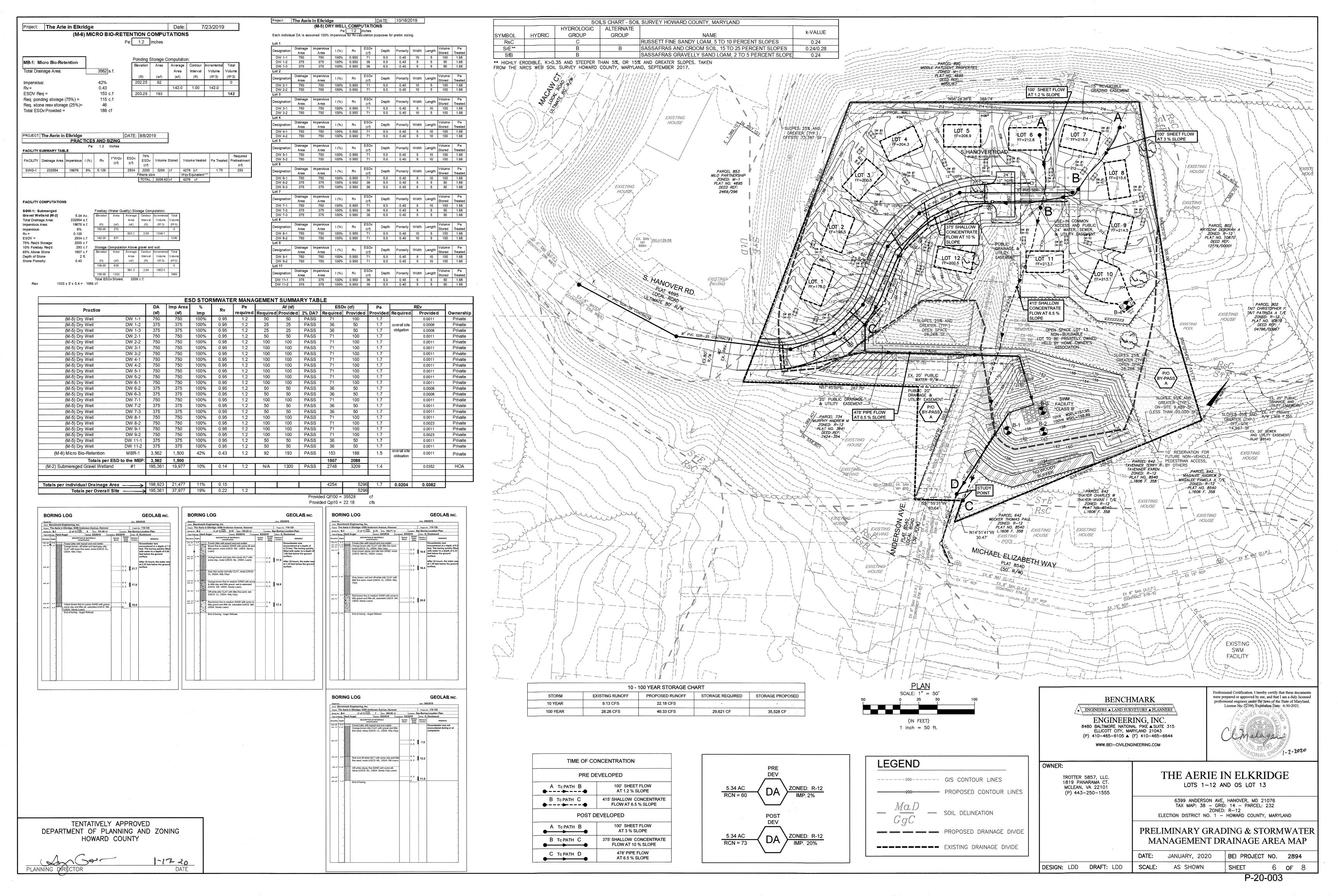
P-20-003



P-20-003

SOILS CHART - SOIL SURVEY HO	OWARD COUNTY, MARYLAND k-VALUE					
SrE**         B         B         SASSAFRA           SfB         B         SASSAFRA	INE SANDY LOAM, 5 TO 10 PERCENT SLOPES 0.24 S AND CROOM SOIL, 15 TO 25 PERCENT SLOPES 0.24/0.28 S GRAVELLY SAND LOAM, 2 TO 5 PERCENT SLOPE 0.24					
** HIGHLY ERODIBLE, K>0.35 AND STEEPER THAN 5%, OR 15% AND GREAT FROM THE NRCS WEB SOIL SURVEY HOWARD COUNTY, MARYLAND, SEPTEMBI	TER SLOPES. TAKEN ER 2017.					
			PAPFELRO	190		
			MIDDLE PATUXENT PR ZONED: M= PLAT-NO, 46s DEED - REF 9055/67	5 200 5 REVERTIBLE CRADING SACRIMENT		
	TA STATE OF THE PARTY OF THE PA		N56°2	1'36"E 388.74  216  216	1 1 the tenter of tenter	
		EXISTING HOUSE	SLOPES 25% AND CREATER (TYP.) OFFSITE 73,787 SF	T 5 LOT 6 LOT 7		
			200	SHANOVER ROAL  PUBLIC AXCESS STREET  212	EXISTING   PEXISTING	
		PARCEL 853 MILO PARTHERSHIP ZONED: M-1 PLAT NO. 4695 DEED REF: 2469/296	LOT 3 198 12" HDP	12" HDPE 12" HDPE 138	HOUSE	
		Mic addition was	12" HDPEP 192 192 192 192 192 192 192 192 192 192	204 USE-IN COMMON	EXISTING PAVING PAVING	$\left\langle \begin{array}{cccccccccccccccccccccccccccccccccccc$
		EX. SAN INV.=126.66	LOT 2	ACCESS AND PUBLIC LOT 9 24' WAITER, SEWER, & UTILITY EASEMENT  PUBLIC DRAINAGE &	PARCEL 802  KRYSZAK DEBORAH A  ZONED: R-12  PLAT NO. 10870  DEED REF:  12179/00001	
			LOT 12	LOT 11		LEGEND
	CONFRON	B. Prosto	LOT 1	204	200- PARCEL 802	PROPERTY BOUNDARY  ADJACENT PROPERTY  BOUNDARY
		S CONTRACT	SLOPES 25% AND GREATER (TYP.) OPEN SPACE	B-4 MER  EX-WATER  TO BE  REMOVED OPEN SPACE LOT 13	EXISTING POOL  TAIT CHRISTOPHER FI TAIT PATRICIA A T/E ZONED: R-12 PLAT NO. 10870 DEED REF: 04796/00067	-200———————————————————————————————————
		8" PVC SDR-35 CONTRACT#	26,268 SF 26,268	SLOPES 25	S AND	SOIL DELINEATION
			MH LISTA F. 188    MH LISTA F. 188    X	GREATER OPEN SP 162 168 170 26,268	ACE SF-7	EXISTING BUILDINGS
			20' PUBLIC DRAINAGE & UTILITY EASEMENT & UTILITY EASEMENT	SUBMERGED B-3 GRAVEL WETLAND CLASS 'B' PRIVATELY OWNED PRIVATELY OWNED	SLOPES 25% AND GREATER (TYP.) ON—SITE 9,489 SF C(LESS THAN 20,000 SF)	PROPOSED DWELLING  STEEP SLOPES 25% OR GREATER
			PARCEL 734  WHIPHY ANDREW M  ZONED: R-12  PLAT NO. 3641  DEED-REF:  7424-354  EXISTING	B-1 158 30 158 30 160 162 TURNAROUND	SLOPES 25% AND R/W L.905 F.350  GREATER (TYP.)  OFF SITE  14,967 SF  AND UTILITY EASEMENT  PLAT #8540  FX/S7	EXISTING TREELINE
		10	HOUSE / SILVER	TAVEN.	10' RESERVATION FOR FUTURE NON-VEHICLE, ARCEL 642 PEDESTRIAN ACCESS, INER TERRY R BY OTHERS NNER KAREN	PROPOSED WATER
			EXISTING PAVING  INV.=128.62   EX. SAN   H	C market	NNER KAREN  NNED: R-12  T NO. 8540  MAGALEE PAMELA A T/E  ZONED: R-12  PLAT NO. 8540  L.1606 F. 358	O PROPOSED STORMDRAIN
	The state of the s	was a second	Wishes 2 4 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	PARCEL 642 THAYER CHARLES W THAYER WIVIAN I T/E ZONED: R-12 PLAT NO. 8540 L.1606 F. 358 WECKER THOMAS PAUL ZONED: R-12	EXISTING HOUSE EXISTING HOUSE	SPECIMEN TREE (TO BE REMOVED)
			NDERSO BY BOARD OF THE STATE OF	PLAT NO. 8540 N14°51'41"W L1606 F. 358 EXISTING 30.47' EXISTING HOUSE POOL		
		100	EXISTING HOUSE	MICHAEL ELIZABETH WAY  PLAT 8540 (50' R/W)  EX 8" WAT (0)	EX 8° WIT (CLIP)	(I-1) STRUCTURE LABEL  DRAINAGE DIVIDE
				15" RCP EX 8" SAN (A.C.P.)  (CONTRACT 578-5)  EX 15" RCP  EX 15" RCP	SAN (ACP.) ACT 578-ST	NOTE: The 100-year storm event is intended to be conveyed to the swm pond by the proposed inlets and associated storm drain pipes.
			DI ANI		130	inlets and associated Storm drain pipes.
		CEA AREA (Ac)   "C" FACTOR   "C" FACTOR   % IMPERVIOUS	PLAN SCALE: 1" = 50'		B • ENGINEERS A	Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 22390, Expiration Date: 6-30-2021.
	(Z) (B)	(A) (C)<25 (C)>25 (P)<25 0.25 0.46 0.52 17.9	(IN FEET) 1 inch = 50 ft.		8480 BALTIMO ELLICOT	NEERING, INC.  RE NATIONAL PIKE A SUITE 315  CITY, MARYLAND 21043  -6105 A (F) 410-465-6644
	I-3 R-12 NA I-4 R-12 NA I-5 R-12 NA I-6 R-12 NA	0.17     0.46     0.51     43.6       0.17     0.46     0.52     44.7       0.13     0.45     0.51     27.3       0.32     0.35     0.39     14.2			OWNER:	EI-CIVILENGINEERING.COM
	I-7   R-12   NA	0.24         0.38         0.43         27.9           0.19         0.40         0.45         41.7			TROTTER 5857, LLC. 1819 PANARAMA CT. MCLEAN, VA 22101 (P) 443–250–1555	THE AERIE IN ELKRIDGE  LOTS 1-12 AND OS LOT 13
TENTATIVELY APPROVED						6399 ANDERSON AVE, HANOVER, MD 21076 TAX MAP: 38 — GRID: 14 — PARCEL: 232 ZONED: R-12 ELECTION DISTRICT NO. 1 — HOWARD COUNTY, MARYLAND
DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY						PRELIMINARY STORM DRAIN DRAINAGE AREA MAP
PLANNING DIRECTOR DATE					DESIGN: LDD DRAFT:	DATE: JANUARY, 2020 BEI PROJECT NO. 2894  LDD SCALE: AS SHOWN SHEET 5 OF 8

P-20-003



## LANDSCAPE NOTES:

1. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL.

2. STREET TREE LOCATIONS: A. WHEN THE DISTANCE BETWEEN THE CURB AND SIDEWALK IS 6 FEET OR GREATER, THE

TREES SHALL BE LOCATED WITHIN THE RIGHT-OF-WAY AND SHALL BE CENTERED BETWEEN THE CURB AND SIDEWALK. B. WHEN THE DISTANCE BETWEEN THE CURB AND SIDEWALK IS LESS THAN 6 FEET, TREES MAY BE PLANTED 3 FEET FROM THE SIDEWALK IN THE DIRECTION AWAY FROM THE ROAD. A 10-FOOT WIDE TREE MAINTENANCE EASEMENT SHALL BE REQUIRED IF THE

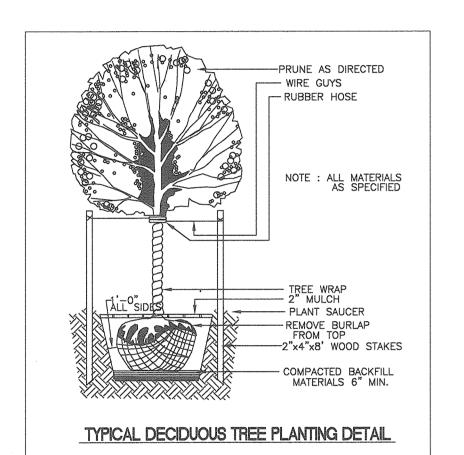
RIGHT-OF-WAY IS LIMITED. C. TREES SHALL BE PLANTED 6 FEET BEHIND CURB WHEN THERE ARE NO SIDEWALKS. D. TREES TO BE PLANTED MINIMUM 30 FEET FROM SIGNS AND INTERSECTIONS WHEN PLANTED BETWEEN SIDEWALK AND CURB. TREES MAY NOT BE PLANTED WITHIN 5 FEET OF A STORM DRAIN INLET, OPEN SPACE ACCESS STRIP, OR 10 FEET OF A DRIVEWAY.

3. AT THE TIME OF INSTALLMENT, ALL SHRUBS AND OTHER PLANTINGS HEREWITH LISTED AND APPROVED FOR THIS SITE, SHALL BE OF THE PROPER HEIGHT REQUIREMENTS IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELOCATION OF REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING. ANY DEVIATION FROM THIS APPROVED LANDSCAPE PLAN MAY RESULT IN DENIAL OR DELAY IN RELEASE OF LANDSCAPE SURETY UNTIL SUCH TIME AS ALL REQUIRED MATERIALS ARE PLANTED AND/OR REVISIONS ARE MADE TO APPLICABLE PLANS AND CERTIFICATIONS.

4. THE OWNER, TENANTS AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING INCLUDING BOTH PLANT MATERIALS AND BERMS, FENCES AND WALLS. ALL PLANT MATERIALS SHALL BE MAINTAINED IN GOOD GROWING CONDITION, AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS. ALL OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REPAIRED OR REPLACED.

5. FINANCIAL SURETY FOR THE REQUIRED PERIMETER LANDSCAPING SHALL BE POSTED AS PART OF THE DPW DEVELOPERS AGREEMENT.

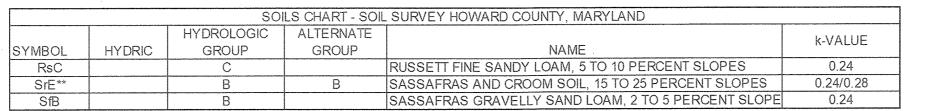
6. ALL PUBLIC TREES SHALL BE SPACED A MINIMUM OF 20' FROM PROPOSED PUBLIC STREET LIGHT LOCATIONS. CONTACT TRAFFIC ENGINEERING TO MARK STREET LIGHT LOCATIONS BEFORE PLANTING TREES.



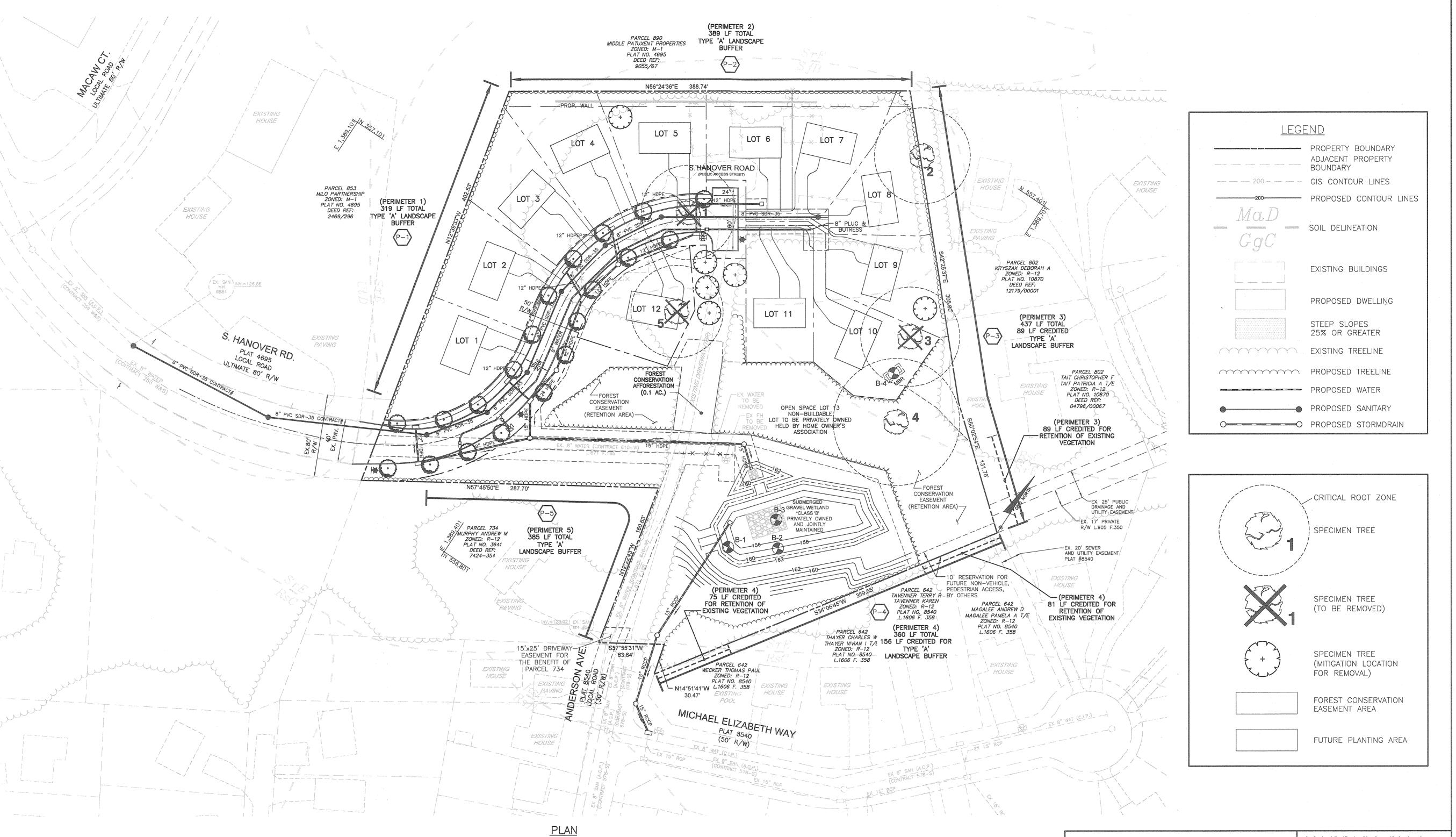
## Specimen Tree Chart

Key (X#)	Species	Size (in.dbh)	CRZ (feet radius)	Comments
1	Black oak	30.5	45.75	fair, some trimming noted
2	Chestnut oak	31	46.5	CRZ impacted by offsite activity
3	Chestnut oak *	32	48	fair, some dieback noted
4	Black oak	41	61.5	good
5	Chestnut oak	29.8	44.7	poor, heavy vine cover and

*NOTE: ALL ATTEMPTS MUST BE MADE TO PRESERVE SPECIMEN TREE #3. HOWEVER, WP-19-053 ALLOWED REMOVAL OF THIS TREE IF PROTECTIVE MEASURES PROVE INSUFFICIENT OR HEALTH OF TREE DECLINES. MITIGATION IS PROVIDED FOR THIS TREE UNDER THIS PLAN.

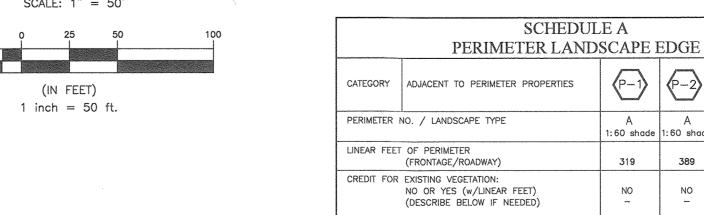


** HIGHLY ERODIBLE, K>0.35 AND STEEPER THAN 5%, OR 15% AND GREATER SLOPES. TAKEN FROM THE NRCS WEB SOIL SURVEY HOWARD COUNTY, MARYLAND, SEPTEMBER 2017.



	PERIMETER LANDSCAPE PLANTING LIST							
SYMBOL QUANTITY NAME REMARKS DESCRIPTION								
	33	QUERCUS RUBRA (Red Oak)	3" cal. (min.)	INCLUDES 6 TREES AS MITIGATION FOR REMOVAL OF 3 SPECIMEN TREES (WP-19-053)				

	STREET TREE PLANTING LIST							
SYMBOL	QUANTITY	NAME	REMARKS	DESCRIPTION				
	20	TILIA CORDATA 'GREENSPIRE' (Greenspire Littleleaf Linden)	2.5" —3" cal.	TO BE PLANTED ALONG S. HANOVER ROAD (PROVIDED BY THE DEVELOPER)				

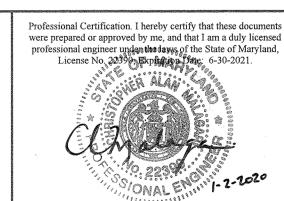


STREET TREE SC	HEDULE	
	S. HANOVER RD ACCESS ROAD	
LINEAR FEET OF RIGHT-OF-WAY	533'	
LINEAR FEET OF CREDIT	0	TOTAL
LINEAR FEET OF REQUIRED PLANTING	369'	IUIAL
TREE SIZE	MEDIUM 1:40 LF	
TREES REQUIRED	18	18

	PERIMETER LANDSCAPE EDGE						
CATEGORY	ADJACENT TO PERIMETER PROPERTIES	(P-1)	(P-2)	(P-3)	(P-4)	(P-5)	TOTAL
PERIMETER 1	NO. / LANDSCAPE TYPE	A 1:60 shade	A 1:60 shade	A 1:60 shade	A 1:60 shade	A 1:60 shade	
LINEAR FEET	OF PERIMETER (FRONTAGE/ROADWAY)	319	389	437	360	385	1890
CREDIT FOR	EXISTING VEGETATION: NO OR YES (w/LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO -	NO -	YES 89	YES 156	NO -	245
LINEAR FEET	OF REQUIRED PERIMETER LANDSCAPING	319	389	348	204	385	1645
CREDIT FOR	WALL, FENCE OR BERM: NO OR YES (w/LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO -	NO -	NO -	NO -	NO 	
NUMBER OF	PLANTS REQUIRED: SHADE TREES 1:60 EVERGREEN TREES — OTHER TREES (2:1 SUBSTITUTE) SHRUBS	5 - -	7 - -	6  	3 - - -	6 - -	27  
NUMBER OF	PLANTS PROVIDED: SHADE TREES EVERGREEN TREES OTHER TREES (2:1 SUBSTITUTE) SHRUBS (10:1 SUBSTITUTE)	5	7 - -	6 - -	3	6 - -	27 - -

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

SCALE:



OWNER:	
TROTTER 5857, LLC. 1819 PANARAMA CT. MCLEAN, VA 22101 (P) 443-250-1555	

DESIGN: LDD DRAFT: LDD

THE AERIE IN ELKRIDGE LOTS 1-12 AND OS LOT 13

6399 ANDERSON AVE, HANOVER, MD 21076 TAX MAP: 38 - GRID: 14 - PARCEL: 232 ZONED: R-12 ELECTION DISTRICT NO. 1 - HOWARD COUNTY, MARYLAND

PRELIMINARY LANDSCAPE PLAN

AND SOILS MAP JANUARY, 2020 BEI PROJECT NO. 2894

AS SHOWN

7 **o**f 8 P-20-003

TENTATIVELY APPROVED DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY

1-17-20

