SENERAL NOTES PROJECT BACKGROUND: LOCATION: TAX MAP 38, BLOCK 9, PARCELS 731 ZONING: R-12 COORDINATE TABLE SUBDIVISION: GRACE MEADOWS SECTION/AREA: N/A ELECTION DISTRICT: 1 702 | 559152.3628 | 1391145.007 TOTAL TRACT AREA: 9.05 AC. NUMBER OF PROPOSED LOTS: 18 SFD / 11 O.S. LOTS NET AREA OF PROJECT: 8.54 AC. 709 | 559350.2639 | 1390122.2694 AREA OF PROPOSED LOTS: 3.87 AC 710 | 559509.4681 | 1390888.3837 AREA OF EX. BGE R/W: 0.96 AC.* 711 | 559550.1626 | 1391084.1999 AREA OF R/W DEDICATION: 0.27 AC.* 559243.5270 1391149.3997 AREA OF PROPOSED ROAD R/W: 0.54 AC. OPEN SPACE REQUIRED: 3.24 AC. (SEE OPEN SPACE TABULATION) 713 559149.7250 1391130.9867 OPEN SPACE PROVIDED: 4.37 AC. (3.64 CREDITED) 714 | 559056.4242 | 1391106.2676 PUBLIC WATER & SEWER: EXTENSION OF EXISTING WATER & SEWER CONTRACTS 14-4348-D, 44-0906-D, AND 650-S DPZ REFERENCES: ECP-19-008, HPC-19-23, S-19-002, WP-19-117 THE PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE BEEN APPROVED. THE EXISTING TOPOGRAPHY SHOWN HEREON IS BASED ON A TOPOGRAPHIC SURVEY PREPARED BY VOGEL ENGINEERING + TIMMONS GROUP, PERFORMED IN FEBRUARY, 2018. OFFSITE TOPOGRAPHY ARE FROM SDP-14-012 AND HOWARD COUNTY GIS. THE PROJECT BOUNDARY IS BASED ON A BOUNDARY SURVEY PREPARED BY VOGEL ENGINEERING + TIMMONS GROUP, DATED FEBRUARY, 2018. THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NOS. 38DA AND 38GA WERE USED FOR THIS PROJECT THE SUBJECT PROPERTY IS ZONED "R-12" IN ACCORDANCE WITH THE 10/6/2013 COMPREHENSIVE ZONING PLAN AND IS SUBJECT TO THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS EFFECTIVE 10/2/03 PER COUNCIL BILL 75-2003. THIS PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT. WATER FOR THIS PROJECT IS TO BE PUBLIC SERVICE CONNECTION FROM CONTRACTS NO.44-0906-D AND 14-4348-D. SEWER FOR THIS PROJECT IS TO BE PUBLIC SERVICE CONNECTION FROM CONTRACT NO. 650-S, AND 14-4348-D EXISTING UTILITIES LOCATED FROM TOPOGRAPHIC SURVEY AND AS-BUILT DRAWINGS. CONTRACTOR SHALL LOCATE EXISTING UTILITIES WELL IN ADVANCE OF CONSTRUCTION ACTIVITIES AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN NO FLOODPLAIN IS LOCATED ONSITE. STEEP SLOPES OVER 20,000 SF CONTIGUOUS ARE LOCATED ONSITE. FOREST CONSERVATION EASEMENTS HAVE BEEN ESTABLISHED TO FULFILL A PORTION OF THE REQUIREMENTS OF SECTION 16 1200 OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE HOWARD COUNTY FOREST CONSERVATION MANUAL. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT, HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT ARE ALLOWED. TOTAL FOREST CONSERVATION OBLIGATION OF THIS PROJECT TO BE FULFILLED BY: ESTABLISHING 2.5 ACRES OF FOREST RETENTION EASEMENTS ON OPEN SPACE LOTS 19 & 20. THE PURCHASE OF THE EQUIVALENT 0.4 ACRES OF REFORESTATION CREDIT IN AN APPROVED FOREST BANK TO BE IDENTIFIED UNDER THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. A FINANCIAL SURETY IN THE AMOUNT OF \$19,500 FOR THE REQUIRED LANDSCAPING (REQUIRED 42 SHADE TREES \$12,600, 10 EVERGREEN TREES \$1,500, 18 SPECIMEN TREE REPLACEMENT \$5,400) SHALL BE POSTED WITH THE FINAL DEVELOPERS AGREEMENT PUBLIC STREET TREES ARE PROVIDED FOR THIS PROJECT IN ACCORDANCE WITH SECTION 16.124(e)(1) OF THE SUBDIVISION REGULATIONS AND THE LANDSCAPE MANUAL. FINANCIAL SURETY (\$9,900) SHALL BE COLLECTED AS PART OF THEE FINAL PLAN HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS COST ESTIMATE FOR THE REQUIRED 33 STREET TREES. A WETLAND AND FOREST STAND DELINEATION PLAN WAS PREPARED BY ECO-SCIENCE PROFESSIONALS, INC. C/O MR. JOHN CANOLES, SEPTEMBER 25, 2018. AND APPROVED AS PART OF SKETCH PLAN SUBMISSION S-19-002. -A LARGE WETLAND/ INTERMITTENT STREAM SYSTEM IS PRESENT NEAR THE CENTER OF THE SITE. -TWELVE (12) SPECIMEN TREES WERE FOUND ONSITE. THIS PLAN CALLS FOR THE REMOVAL OF 9 OF THOSE TREES. IN ACCORDANCE WITH THE WETLAND, FOREST STAND DELINEATION AND PRELIMINARY FOREST CONSERVATION PLAN REPORT, PREPARED BY ECO-SCIENCE PROFESSIONALS AND DATED SEPTEMBER 25, 2018, NO RARE, THREATENED OR ENDANGERED SPECIES WERE OBSERVED ON THE PROPERTY. NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE LIMITS OF WETLANDS, STREAM(S). OR THEIR REQUIRED BUFFERS, FLOODPLAIN AND FOREST CONSERVATION EASEMENT AREAS. REFER TO NOTE 19. NECESSARY DISTURBANCE APPROVAL IN ACCORDANCE WITH SECTION 16.116(C) OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS WILL BE REQUIRED AT FINAL PLAN STAGE FOR THE PROPOSED IMPACTS TO WETLANDS, STREAMS AND THEIR BUFFERS FOR THE SEWER CONNECTION AND SWM OUTFALL GEOTECHNICAL INVESTIGATIONS SHALL BE COMPLETED AS PART OF THIS PLAN. A NOISE STUDY IS NOT REQUIRED. HANOVER ROAD IS CLASSIFIED AS A MINOR COLLECTOR AND IS NOT A SCENIC ROAD. TAYLOR ACRES ROAD IS A PUBLIC ACCESS PLACE AND FRANCIS LANE IS A PRIVATE USE-IN-COMMON DRIVEWAY. THERE ARE 2 EXISTING HOMES ON THE PROPERTY TO BE REMOVED. THE HOUSE AT 6150 HANOVER ROAD (TO BE REMOVED) IS LISTED ON THE HISTORIC SITES INVENTORY AS HO-791, THE TAYLOR HOUSE, AND DATES TO THE 1870s. -THIS PLAN CAME TO THE HISTORIC PRESERVATION COMMISSION ON MAY 1, 2019 FOR ADVISORY COMMENTS AS CASE HPC-19-23. TO THE BEST OF THE OWNERS KNOWLEDGE, THERE ARE NO BURIAL GROUNDS OR CEMETERIES LOCATED ON THE SUBJECT PROPERTY OR THE

COUNTY'S CEMETERY SITE MAP. THE PROPOSED UNITS SHALL HAVE AN AUTOMATIC FIRE PROTECTION SPRINKLER SYSTEM. STORMWATER MANAGEMENT FOR THE PROJECT IS PROVIDED BY THE USE OF MICRO-SCALE PRACTICES IN ACCORDANCE WITH ENVIRONMENTAL SITE DESIGN CRITERIA. MICRO-SCALE PRACTICES INCLUDE: MICRO-BIORETENTION (M-6), RAIN GARDENS (M-7) AND DRYWELLS M-5), THESE FACILITIES WILL BE PRIVATELY OWNED AND MAINTAINED. THE PRE-SUBMISSION COMMUNITY MEETING WAS HELD FOR THIS PROJECT AT THE ELKRIDGE BRANCH HOWARD COUNTY LIBRARY SYSTEM ON SEPTEMBER 18, 2018. THE ENVIRONMENTAL CONCEPT PLAN (ECP-19-008) WAS APPROVED ON SEPTEMBER 4, 2019.

THE SKETCH PLAN (S-19-002) WAS APPROVED ON JUNE 25, 2019. IN ACCORDANCE WITH SECTION 109.0.E OF THE 10/06/13 COMPREHENSIVE ZONING REGULATIONS, THIS SUBDIVISION IS SUBJECT TO MODERATE INCOME HOUSING UNITS. A MIHU AGREEMENT AND MIHU COVENANTS WILL BE REQUIRED IN ACCORDANCE WITH SECTION 13,402 OF THE HOWARD COUNTY CODE. THE MIHU REQUIREMENTS FOR THIS SUBDIVISION WILL BE 2 UNITS (10% OF 18 UNITS). DRIVEWAY(S) SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS

A. WIDTH - 12 FEET (16 FEET SERVING MORE THAN ONE RESIDENCE).

3. SURFACE — 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1-2" MIN). C. GEOMETRY — MAXIMUM 15% GRADE, MAXIMUM 10% CHANGE AND MINIMUM OF 45—FOOT DEPTH TURNING RADIUS.

D. STRUCTURES (CULVERT/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING)/ . 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.

G. MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE. TRAFFIC CONTROL DEVICES:

A. THE R1-1(STOP) SIGN AND STREET NAME SIGN (SNS) ASSEMBLY FOR THIS DEVELOPMENT MUST BE INSTALLED BEFORE THE BASE PAVING IS COMPLETE. 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 UNIFORM TRAFFIC CONTROL DEVICES" (MDMUTCD).

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 STÈEL POLE CAP SHALL BE MOUNTED ON TOP OF EACH POST.

AN ALTERNATIVE COMPLIANCE PETITION TO SECTION 16.120(b)(4)(iv), "LOT DESIGN", SECTION 16.121(e)(1), "ACCESS AND FRONTAGE", AND SECTION 16.1205(a)(7), "ON-SITE FOREST RETENTION", FILED AS WP-19-117, WAS APPROVED ON JUNE 20, 2019. APPROVAL IS SUBJECT TO THE FOLLOWING

1. ACCESS TO OPEN SPACE LOT 24 SHALL BE PROVIDED BY THE USE-IN-COMMON ACCESS EASEMENT FOR LOTS 13-18 AND BY THE PROPOSED PUBLIC DRAINAGE & UTILITY EASEMENT ON LOT 12. A NOTE SHALL BE ADDED TO THE SKETCH PLAN (S-19-002) AND THE FINAL PLAT INDICATING THAT HOWARD COUNTY WILL NOT BE RESPONSIBLE FOR MAINTENANCE OF THE SHARED DRIVEWAY WITHIN THE USE-IN- COMMON ACCESS EASEMENT. 2. THE MINIMUM PUBLIC ROAD FRONTAGE IS HEREBY REDUCED TO 22.9' FOR OPEN SPACE LOT 21 AND 35.8' FOR OPEN SPACE LOT 23, AS REQUESTED. 3. THE MINIMUM PUBLIC ROAD FRONTAGE FOR OPEN SPACE LOTS 24, 26, 27 & 28 IS HEREBY REDUCED TO ZERO, AS REQUESTED. A PRIVATE ACCESS EASEMENT SHALL BE PROVIDED FOR THESE LOTS ON THE SKETCH PLAN AND FINAL PLAT. THE EASEMENT AGREEMENTS FOR THE PROPOSED USE-IN-COMMON ACCESS EASEMENTS SHALL INCLUDE LANGUAGE REFERENCING ACCESS FOR MAINTENANCE OF THE STORMWATER MANAGEMENT FACILITIES. 4. SIGNAGE AND/OR BOLLARDS SHALL BE INSTALLED TO DELINEATE THE ACCESS FOR OPEN SPACE LOTS 24, 26 AND 27. DETAILS SHALL BE PROVIDED

ON THE FINAL ROAD CONSTRUCTION PLAN. 5. OPEN SPACE LOTS 19, 20, 22, 25 & 29 SHALL MEET THE MINIMUM PUBLIC ROAD FRONTAGE REQUIREMENTS IN ACCORDANCE WITH SECTION 16.121(e). 6. THE REMOVAL OF NINE SPECIMEN TREES (ST #'s 1-6, 8, 10 & 11) IS PERMITTED AS SHOWN ON THE PLAN EXHIBIT. THE REMOVAL OF ANY ADDITIONAL SPECIMEN TREE IS NOT PERMITTED UNDER THIS ALTERNATIVE COMPLIANCE REQUEST.

2-3-2020

DATE

7. THE DEVELOPER SHALL PLANT EIGHTEEN 3" MINIMUM-CALIPER NATIVE SHADE TREES ONSITE IN ADDITION TO THE REQUIRED PERIMETER LANDSCAPING TO MITIGATE THE REMOVAL OF THE NINE SPECIMEN TREES. IT IS RECOMMENDED THAT THE TREES BE PLANTED WITHIN THE OPEN SPACE LOTS TO ENSURE LONG-TERM PROTECTION. REFERENCE THE ADDITIONAL TREES ON S-19-002 AND INCLUDE PLANTING DETAILS ON ALL SUBSEQUENT SUBDIVISION AND DEVELOPMENT PLANS. THESE TREES WILL BE BONDED ALONG WITH THE REQUIRED PERIMETER LANDSCAPING AS PART OF THE FINAL SUBDIVISION PLAN. HOWARD COUNTY WILL NOT BE RESPONSIBLE FOR THE MAINTENANCE OF THE SHARED DRIVEWAYS WITHIN THE USE-IN COMMON ACCESS EASEMENTS, PER

CONDITION #1 OF WP-19-117. OPEN SPACE SIGNAGE AND/OR BOLLARDS, AND ASSOCIATED DETAILS TO BE PROVIDED ON THE FINAL ROAD CONSTRUCTION PLAN, PER CONDITION #4 OF

A PRIVATE RANGE OF ADDRESS SIGN ASSEMBLY SHALL BE FABRICATED AND INSTALLED BY HOWARD COUNTY BUREAU OF HIGHWAYS AT THE DEVELOPER/OWNER'S EXPENSE. CONTACT HOWARD COUNTY TRAFFIC DIVISION AT 410-313-5751 FOR DETAILS AND COST ESTIMATE.

ON THE APPROACH SIDE OF A STOP SIGN, NO STREET TREE CAN BE PLANTED WITHIN 30 FT OF THE STOP SIGN. UTILIZE HOWARD COUNTY STANDARD DETAIL NO. R-6.05 FOR THE PROPOSED DRIVEWAY ENTRANCES FOR LOTS 1-4 AND DETAIL NO. R-6.03 FOR LOTS 6-18.

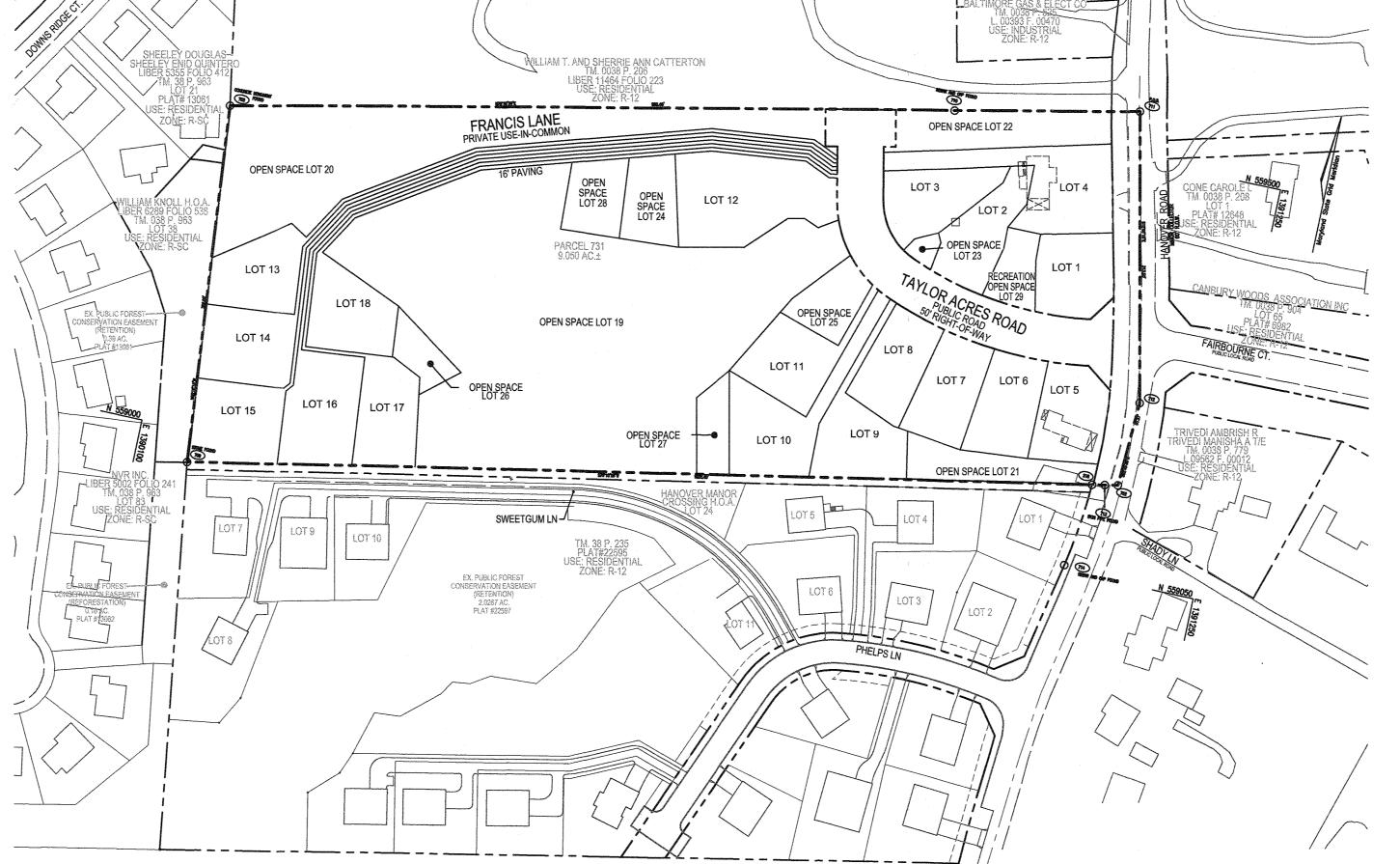
TENTATIVELY APPROVED

DEPARTMENT OF PLANNING AND ZONING

HOWARD COUNTY

PRELIMINARY PLAN **GRACE MEADOWS**

LOTS 1 - 18 AND OPEN SPACE LOTS 19 - 29 A SUBDIVISION OF TAX MAP 38 - PARCEL 731 HOWARD COUNTY, MD



LOCATION MAP

SCALE: 1"=100'

40. IN ACCORDANCE WITH SECTION 16.121(A)(2) OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, THE OPEN SPACE REQUIREMENTS FOR THIS R-12 PROJECT IS 40% OF GROSS AREA. REFER TO PROPOSED OPEN SPACE TABULATION HEREON. 41. IN ACCORDANCE WITH SECTION 16.121(A)(4) OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, RECREATION OPEN SPACE FOR THIS

R-12 PROJECT IS 200 SF / UNIT. SEE TABULATION HEREON. IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL - VOLUME 3, CHAPTER 2 - SECTION 2.9.B. AND THE HOWARD COUNTY ZONING REGULATIONS SECTION 133.O.D.2.a, PARKING IS REQUIRED AT 2.5 SPACES PER UNIT. OFF STREET PARKING TO INCLUDE GARAGE SPACES, DRIVEWAY, PARKING PADS AND COURTS. GARAGES COUNT AS TWO SPACES. SEE TABULATION THIS SHEET

43. STREET LIGHTING IS REQUIRED FOR THIS SITE IN ACCORDANCE WITH SECTION 16.135 OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, STREET LIGHT PLACEMENT AND THE TYPE OF FIXTURES AND POLES SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME III, SECTION 5.5.A. A MINIMUM OF 20 FEET SHALL BE MAINTAINED BETWEEN ANY STREET LIGHT AND ANY TREE.

44. IF ANY WELL OR SEPTIC SYSTEMS ARE FOUND DURING ANY STAGE OF THE PROCESS THE HEALTH DEPARTMENT MUST BE NOTIFIED AND THE SYSTEMS MUST BE PROPERLY ABANDONED WITH DOCUMENTATION SENT TO THE HEALTH DEPARTMENT.

APPROVAL OF THIS PRELIMINARY PLAN BY THE HOWARD SOIL CONSERVATION DISTRICT DOES NOT PROVIDE AN APPROVAL OF THE SEDIMENT CONTROLS SHOWN HEREON. 46. A DESIGN MANUAL WAIVER IS BEING SUBMITTED IN CONJUNCTION WITH THIS PLAN FOR HOWARD COUNTY VOLUME III DESIGN MANUAL, ROADS AND BRIDGES, CHAPTER 2.3.A.1.a, DESIGN SPEED/MINIMUM RADII.

SITE ANALYSIS DATA CHART

A. TOTAL PROJECT AREA: B. NET AREA (TOTAL-FLOODPLAIN-STEEP SLOPES): C. AREA OF WETLANDS AND WETLAND BUFFERS: D. AREA OF FLOODPLAIN: E. AREA OF FOREST: F. AREA OF MODERATE SLOPES (15% TO 24.99%):

G. AREA OF STEEP SLOPES (25% OR GREATER): H. ERODIBLE SOILS: I. LIMIT OF DISTURBED AREA: J. PROPOSED USES FOR SITE AND STRUCTURES: K. GREEN OPEN AREA: L. PROPOSED IMPERVIOUS AREA:

M. PRESENT ZONING DESIGNATION: N. OPEN SPACE REQUIRED: O. TOTAL NUMBER OF UNITS ALLOWED:

P. TOTAL NUMBER OF UNIT PROPOSED Q. MIHU REQUIREMENTS: R. DPZ FILE REFERENCES:

8.54 AC. 1.84 AC. 0.00 AC.

6.70 AC. (REFER TO FSD) 1.01 AC. 0.51 AC. (WITHIN BOUNDARY) 6.50 AC. RESIDENTIAL 7.11 AC. (OPEN AND ENVIRONMENTAL)

84,385 SF OR 1.94 AC.

SEE TABULATION

(9.05 AC. - 3.24 AC.(REQ. 0.S.) = 5.81 AC.(5.81 AC. / 7,200 SF = 35 UNITS)SEE GENERAL NOTE 30 & TRACKING CHART SEE GENERAL NOTE 1

OPEN SPACE LOT OWNERSHIP

OWNERSHIP

RECREATION OPEN SPACE TABULATION: TOTAL NUMBER OF DWELLING UNITS PROPOSED: 18

RECREATION OPEN SPACE REQUIRED PER SECTION 16.121.A.(4)(vi) GRACE MEADOWS - SINGLE FAMILY HOMES (SFD) = 200 SF/UNIT X 18 UNITS = 3,600 SF TOTAL RECREATION OPEN SPACE REQUIRED = 3,600 SF TOTAL RECREATION OPEN SPACE TO BE PROVIDED FOR GRACE MEADOWS

OPEN SPACE LOT 29 = 3,602 SF

PARKING TABULATION:

SINGLE FAMILY DETACHED (SFD) = 18 LOTS 1. OFF-STREET PARKING SPACES REQUIRED: 2 SPACES PER UNIT

SFD = 2 GARAGE / 2 DRIVEWAYP SPACE IN GARAGE = 36 SPACES (FOR 18 UNITS) SPACES ON DRIVEWAY = 36 SPACÈS (FOR 18 UNITS) TOTAL OFF STREET PARKING SPACES PROVIDED: = 72 SPACES

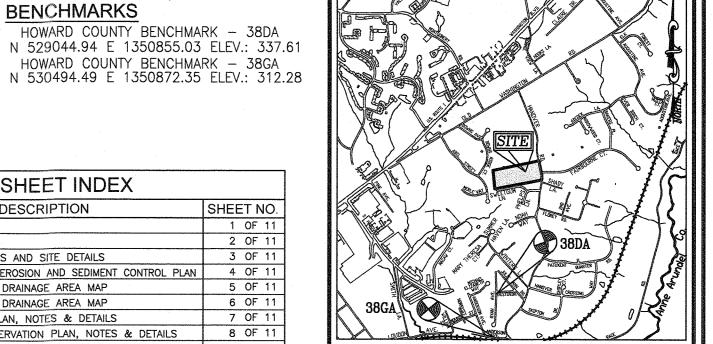
2. VISITOR PARKING REQUIRED:

 $18 \times 0.5 = 9$ SPACES REQUIRED -REFER TO 36 OFF-STREET EXCESS FOR SFD

19	RECREATION AND PARKS
20	RECREATION AND PARKS
21	НОА
22	НОА
23	НОА
24	НОА
25	НОА
26	НОА
27	НОА
28	НОА
29	НОА

OPEN SPACE TABULATION: IN ACCORDANCE WITH SECTION 16.121(A)(2) OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS THE OPEN SPACE REQUIREMENTS FOR THIS R-12 PROJECT IS 40% OF GROSS AREA WHEN USING THE OPTIONAL MINIMUM LOT SIZE OF 7,200 SQUARE FEET

(9.05 AC. GROSS AREA - 0.96 A.C. ELECTRICAL ROW) 8.09 AC. x 40% OPEN SPACE PROVIDED IS 4.37 ACRES± NON-CREDITED 0.73 ACRES±



BENCHMARKS

SHEET INDEX

DESCRIPTION

PRELIMINARY GRADING, SOIL EROSION AND SEDIMENT CONTROL PLAN

PRELIMINARY FOREST CONSERVATION PLAN, NOTES & DETAILS

PRELIMINARY STORM WATER MANAGEMENT DRAINAGE AREA MAP

PRELIMINARY HANOVER ROAD IMPROVEMENTS & CROSS SECTIONS 10-11 OF 11

MINIMUM LOT SIZE CHART

N/A

OT | GROSS AREA | PIPESTEM AREA | NET AREA | MIN. LOT SIZE

N/A 7,200 SF 7,200 SF N/A 7,200 SF 7,200 SF

7,370 SF

N/A 14,428 SF 7,200 SF

2,428 SF 7,338 SF 7,200 SF

2,742 SF 7,982 SF 7,200 SF

3,055 SF | 8,384 SF | 7,200 SF

2,843 SF 9,391 SF 7,200 SF

N/A 7,371 SF

N/A 7,475 SF

N/A 7,243 SF

N/A 7,240 SF

893 SF 7,275 SF

2,494 SF 7,877 SF

593 SF 7,332 SF

10,388 SF 3,078 SF 7,310 SF 7,200 SF

18 9,945 SF 2,361 SF 7,584 SF 7,200 SF

3,251 SF 8,713 SF

COVER SHEET

PRELIMINARY SITE LAYOUT

PRELIMINARY ROAD PROFILES AND SITE DETAILS

PRELIMINARY STORM DRAIN DRAINAGE AREA MAP

PRELIMINARY STORM DRAIN DRAINAGE AREA MAP

PRELIMINARY LANDSCAPE PLAN, NOTES & DETAILS

3 7,371 SF

5 7,475 SF

7,370 SF

7,240 SF

10,371 SF

9 8,168 SF

13 9,766 SF

14 10,724 SF

15 11,439 SF

16 12,234 SF

SCALE: 1"=2,000'

ADC MAP COORDINATE: PAGE: 35 BLOCK: E3

	EXISTING CURB AND GUTTER
	PROPERTY LINE
340-410-01-01-01-01-01-01-01-01-01-01-01-01-0	RIGHT-OF-WAY LINE
	EX. WETLAND BUFFER
	EX. STREAM
	EX. STREAM BUFFER
	LOTLINES

LEGEND

APFO ALLOCATIONS ALLOCATION TOTAL NO. OF TOTAL NO. YEAR ALLOCATIONS OF CREDITS

ODERATE INCOME HOUSING UNITS (MIHU)	ALLOCATION EXEMPTIONS TRACKIN
Total Number of Lots/Units Proposed	18
Number of MIHU Required	10% OR 2 UNITS
Number of MIHU Provided Onsite (exempt from APFO allocations)	0
Number of APFO Allocations Required (remaining lots/units)	17 UNITS *
MIHU Fee-in-Lieu (indicate lot/unit numbers)	LOTS 1-17**

* ONE CREDIT FOR THE EXISTING HOUSE TO BE REMOVED ** ACTUAL UNITS MAY DIFFER

> OWNER/DEVELOPER GRACE TAYLOR SCHUTT 6132 HANOVER ROAD HANOVER, MD 21076 443-463-6760

NO.	REVISION	· · · · · · · · · · · · · · · · · · ·	DATE

PRELIMINARY PLAN

COVER SHEET

GRACE MEADOWS LOTS 1 - 18 AND OPEN SPACE LOTS 19 - 29 A SUBDIVISION OF TAX MAP 38 - PARCEL 73

TAX MAP 38 BLOCK 09 1ST ELECTION DISTRICT

ZONED R-1 PARCEL 73 HOWARD COUNTY, MARYLAN

VOGEL ENGINEERING TIMMONS GROUP

P: 410.461.7666 F: 410.461.8961 www.timmons.com

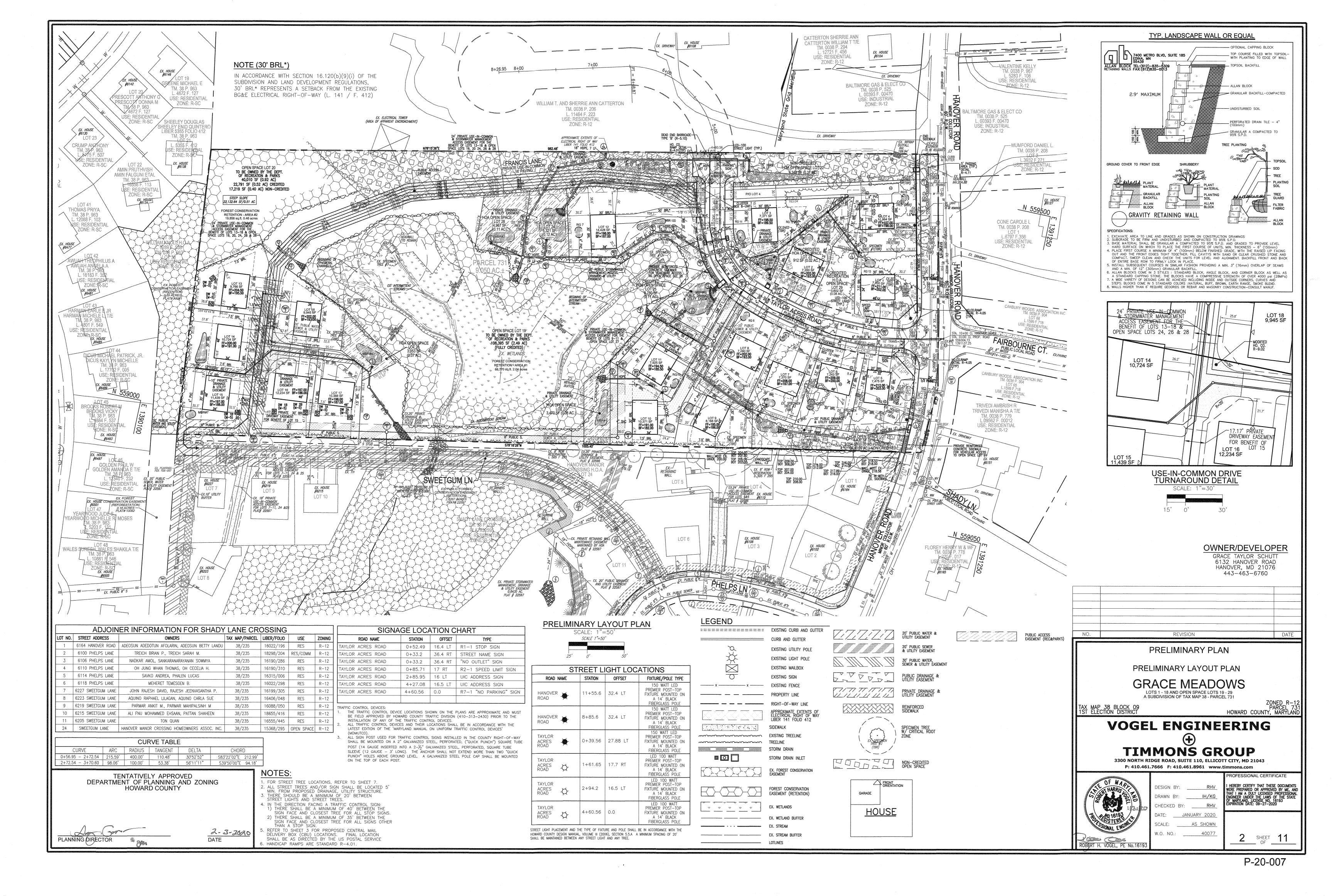


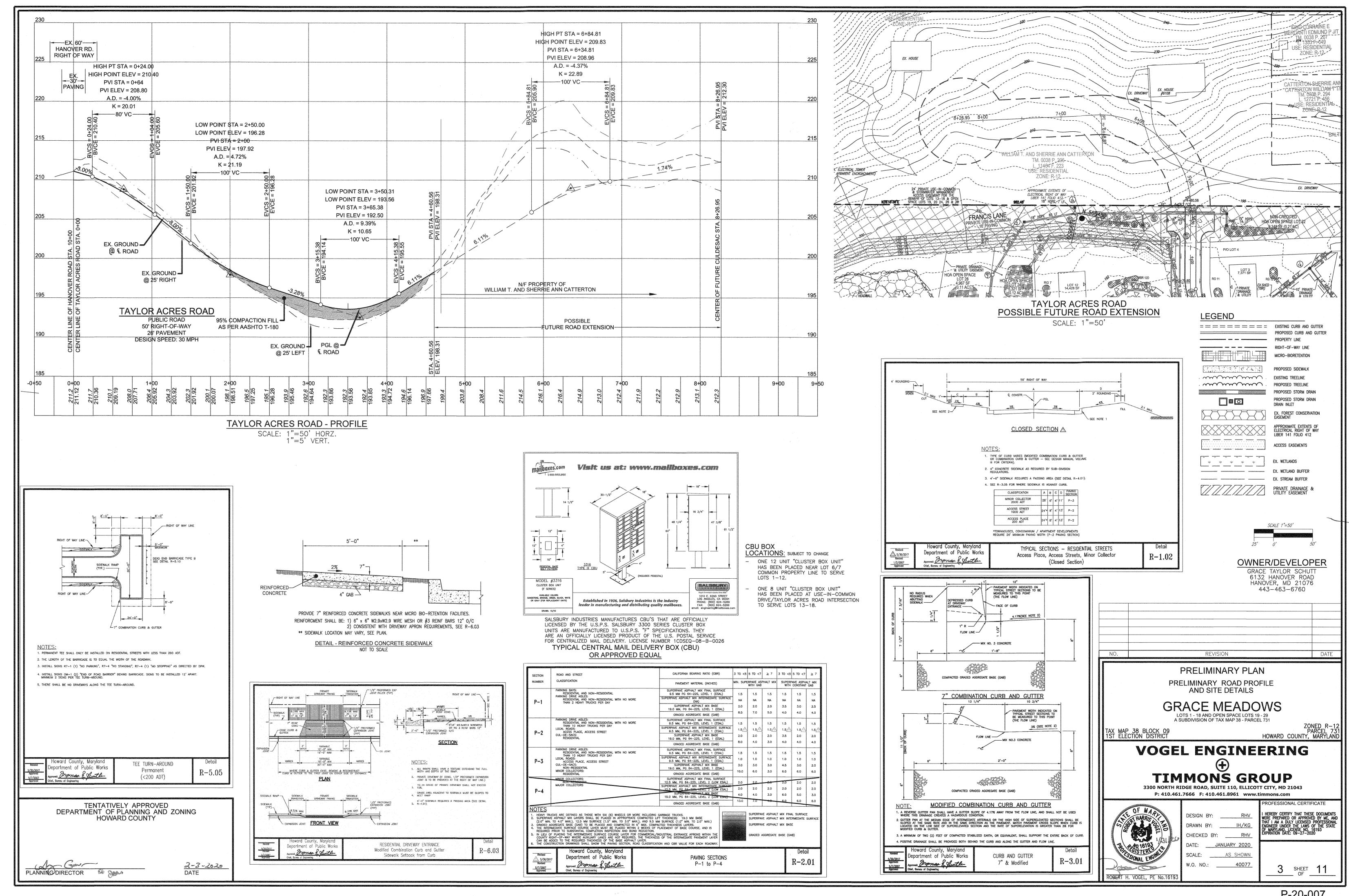
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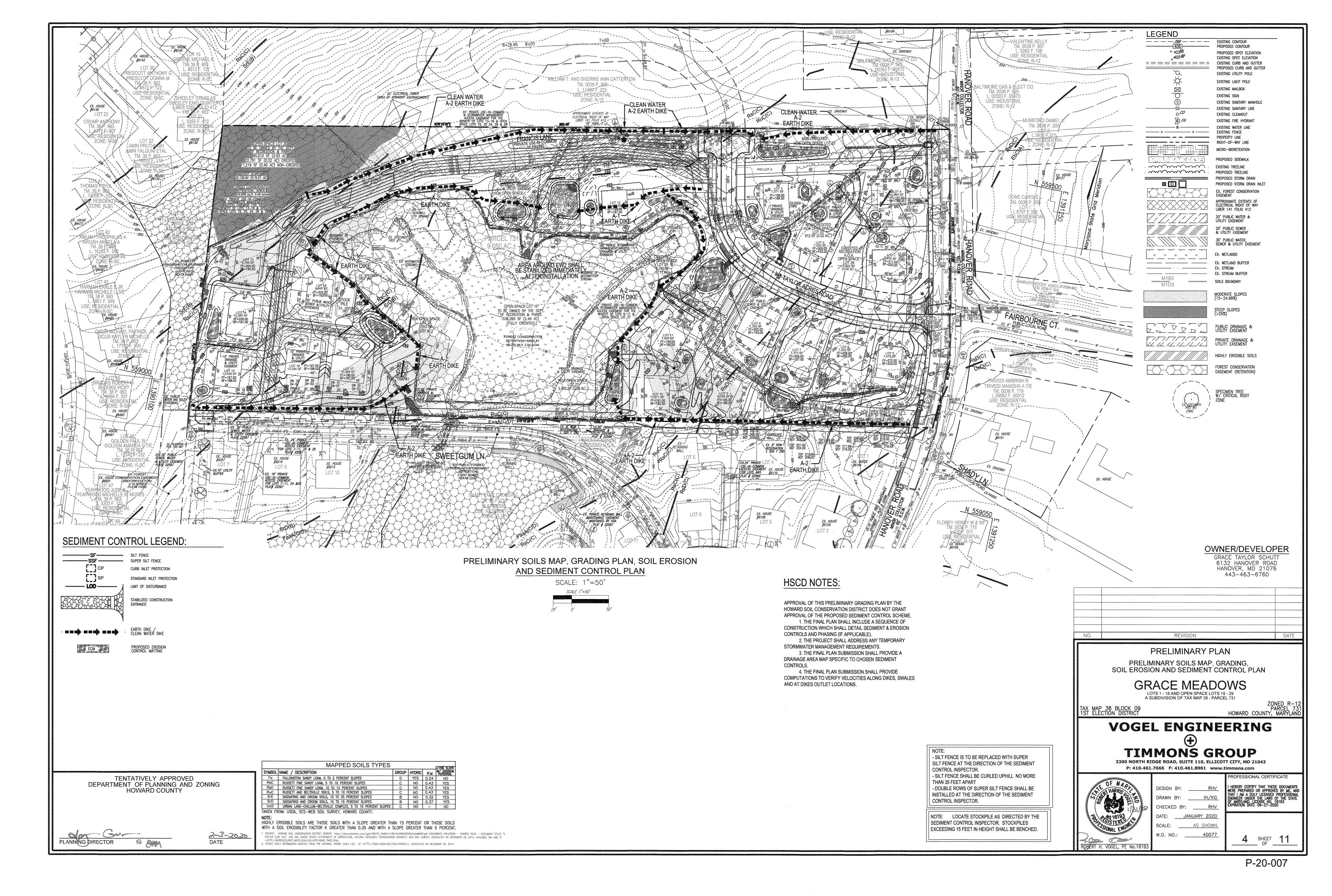
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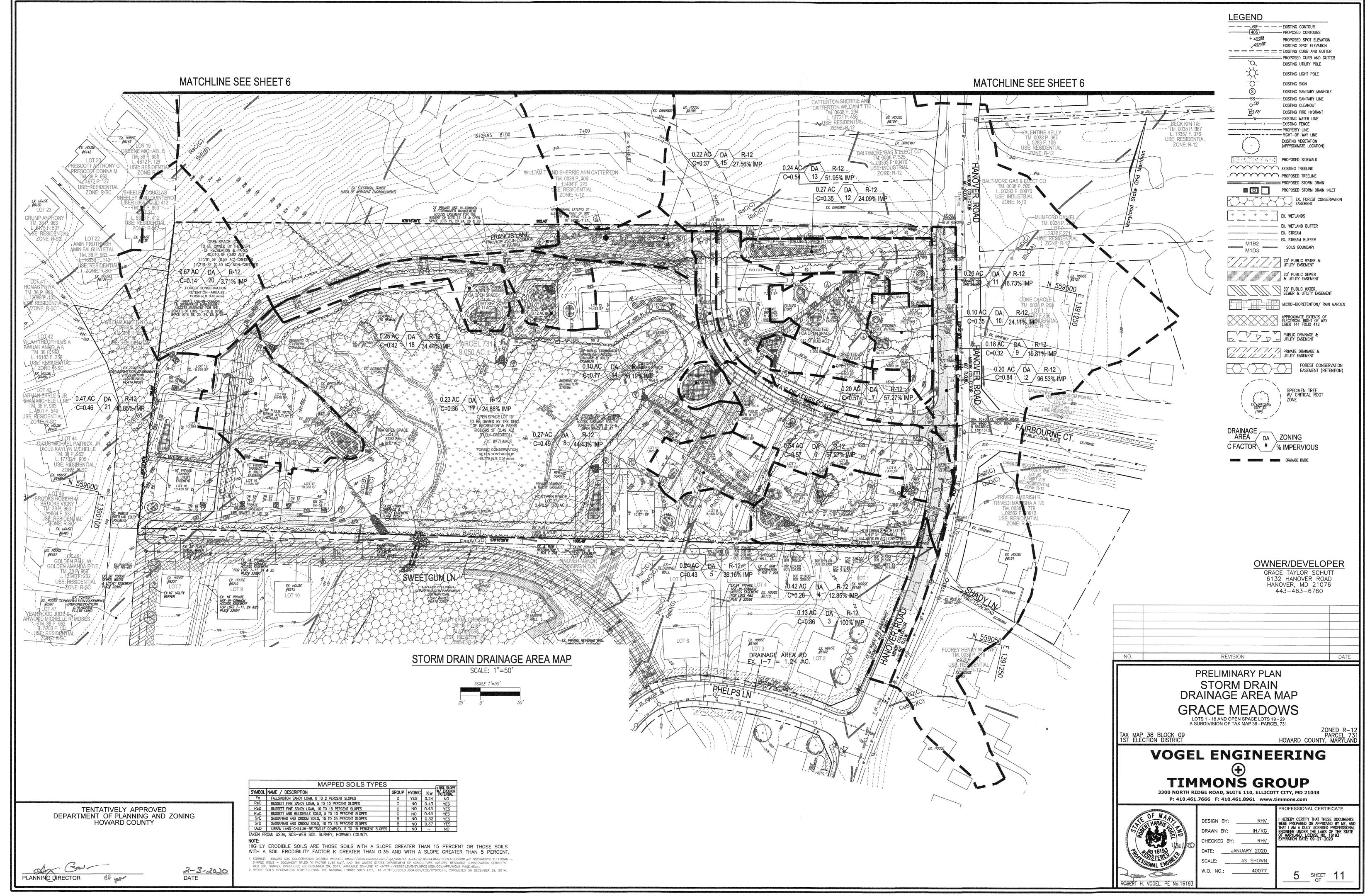
HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND SHEET 11

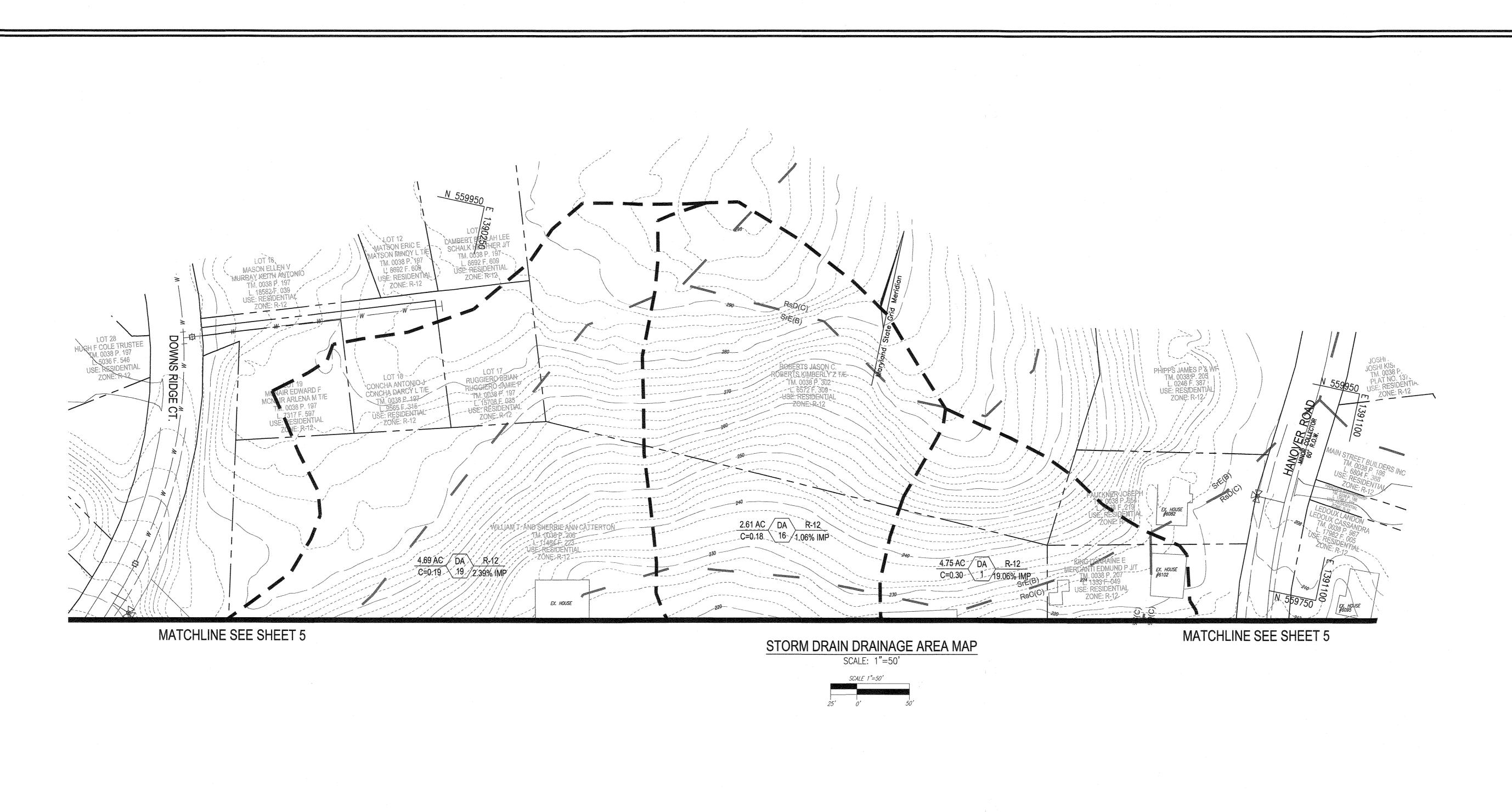
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OWNER/DEVELOPER GRACE TAYLOR SCHUTT 6132 HANOVER ROAD HANOVER, MD 21076 443-463-6760

LEGEND

+ 40268 SPOT ELEVATION

± 402.68 EXISTING SPOT ELEVATION

= EXISTING CURB AND GUTTER

M1B2 M1D3 SOILS BOUNDARY

DRAINAGE AREA INLET ZONING
C FACTOR # % IMPERVIOUS

CURB AND GUTTER
EXISTING UTILITY POLE

EXISTING SANITARY MANHOLE EXISTING SANITARY LINE EXISTING CLEANOUT EXISTING FIRE HYDRANT --- Existing water line

REVISION PRELIMINARY PLAN STORM DRAIN DRAINAGE AREA MAP **GRACE MEADOWS**

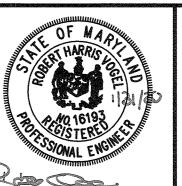
LOTS 1 - 18 AND OPEN SPACE LOTS 19 - 29 A SUBDIVISION OF TAX MAP 38 - PARCEL 731

TAX MAP 38 BLOCK 09 1ST ELECTION DISTRICT

ZONED R-12 PARCEL 731 HOWARD COUNTY, MARYLAND VOGEL ENGINEERING

TIMMONS GROUP

3300 NORTH RIDGE ROAD, SUITE 110, ELLICOTT CITY, MD 21043 P: 410.461.7666 F: 410.461.8961 www.timmons.com



DRAWN BY: CHECKED BY: RHV DATE: JANUARY 2020 SCALE: W.O. NO.: 40077 6 SHEET 11

TENTATIVELY APPROVED
DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY

2-3-2420 DATE

MAPPED SOILS TYPES SYMBOL NAME / DESCRIPTION Fallsinston Sandy Loam, 0 to 2 percent slopes

RsC Russett fine Sandy Loam, 5 to 10 percent slopes

RsD Russett fine Sandy Loam, 10 to 15 percent slopes

Ruc Russett and Beltsville soils, 5 to 10 percent slopes

Ruc Russett and Beltsville soils, 5 to 10 percent slopes

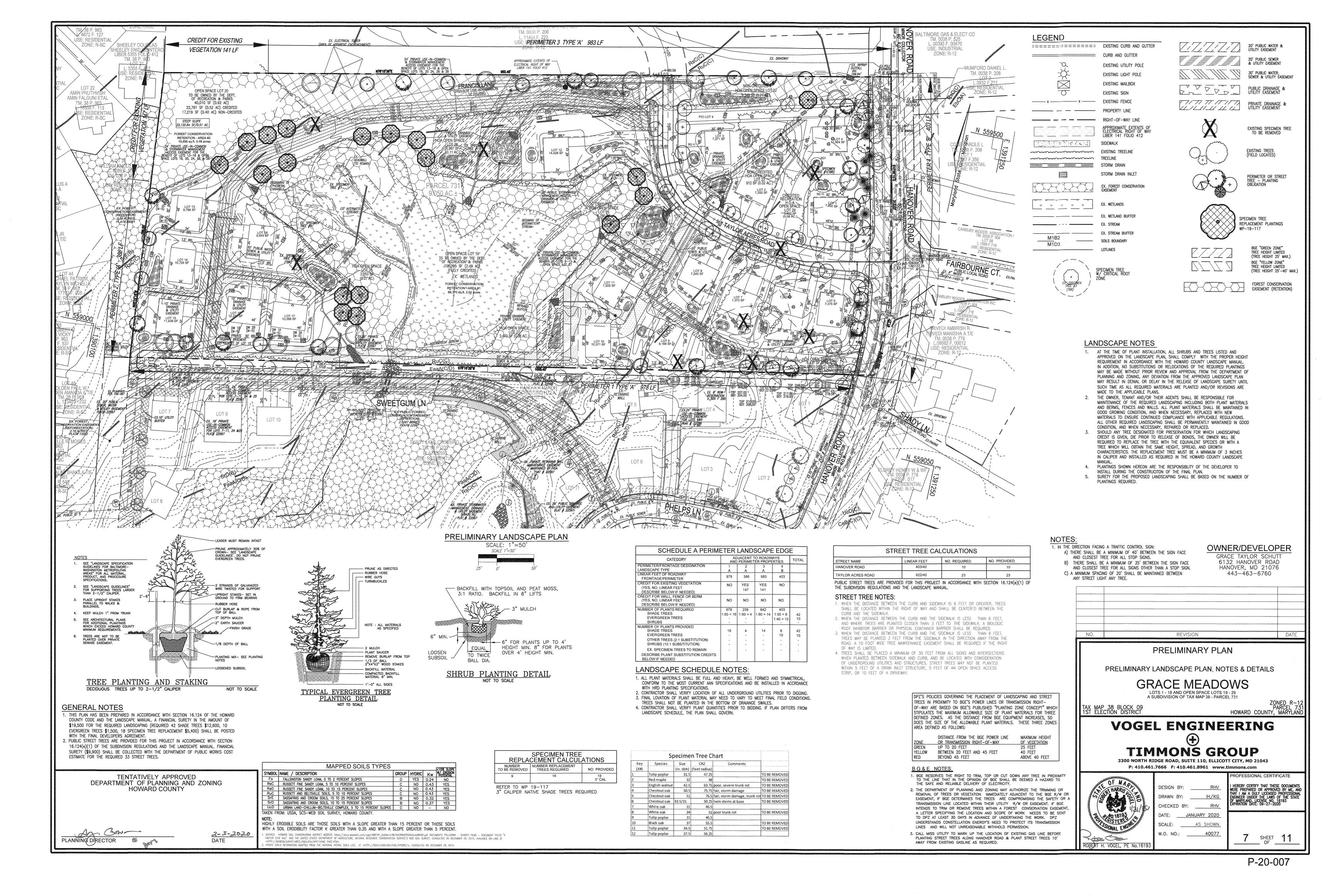
SrE Sassafras and croom soils, 15 to 25 percent slopes

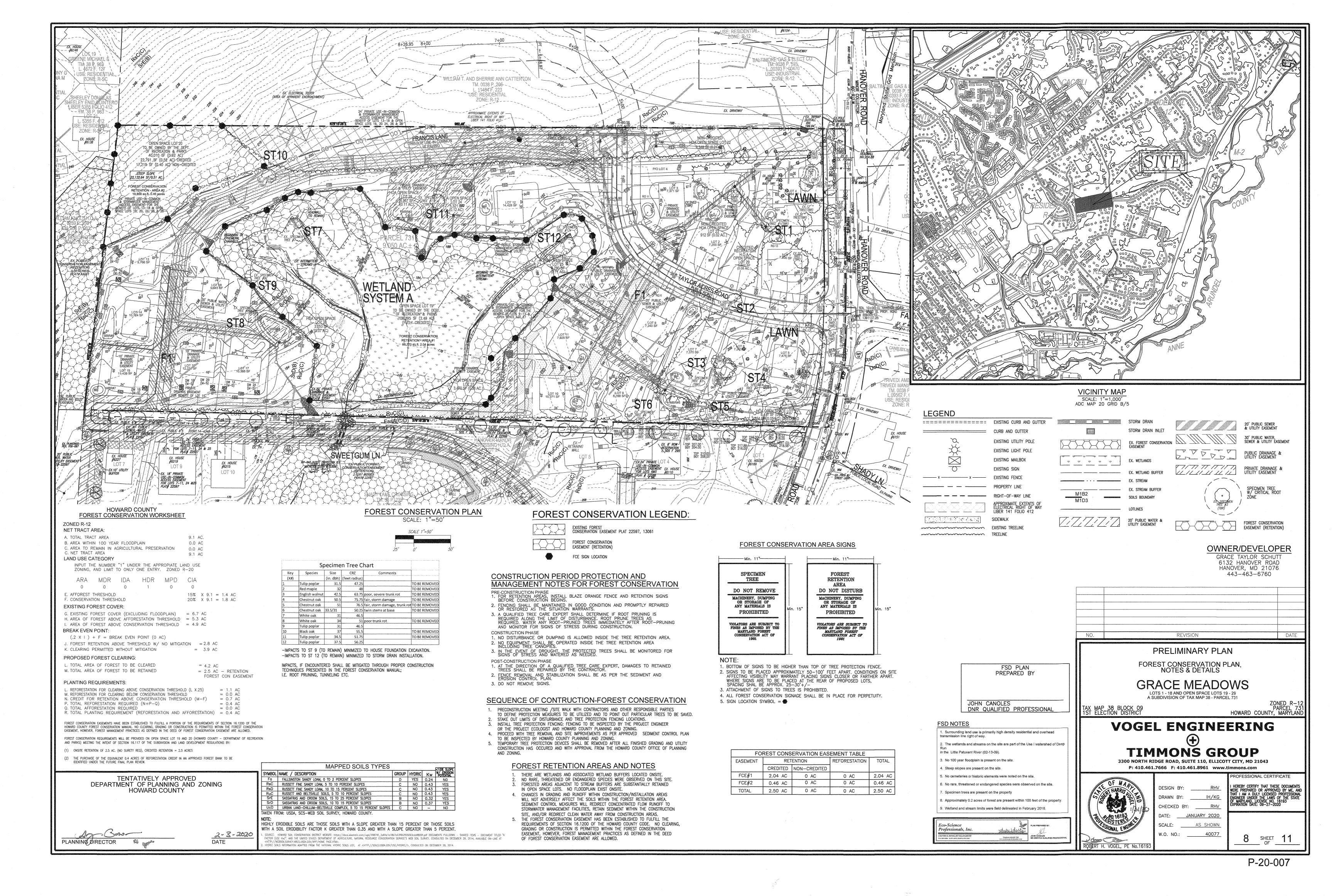
SrD Sassafras and croom soils, 10 to 15 percent slopes

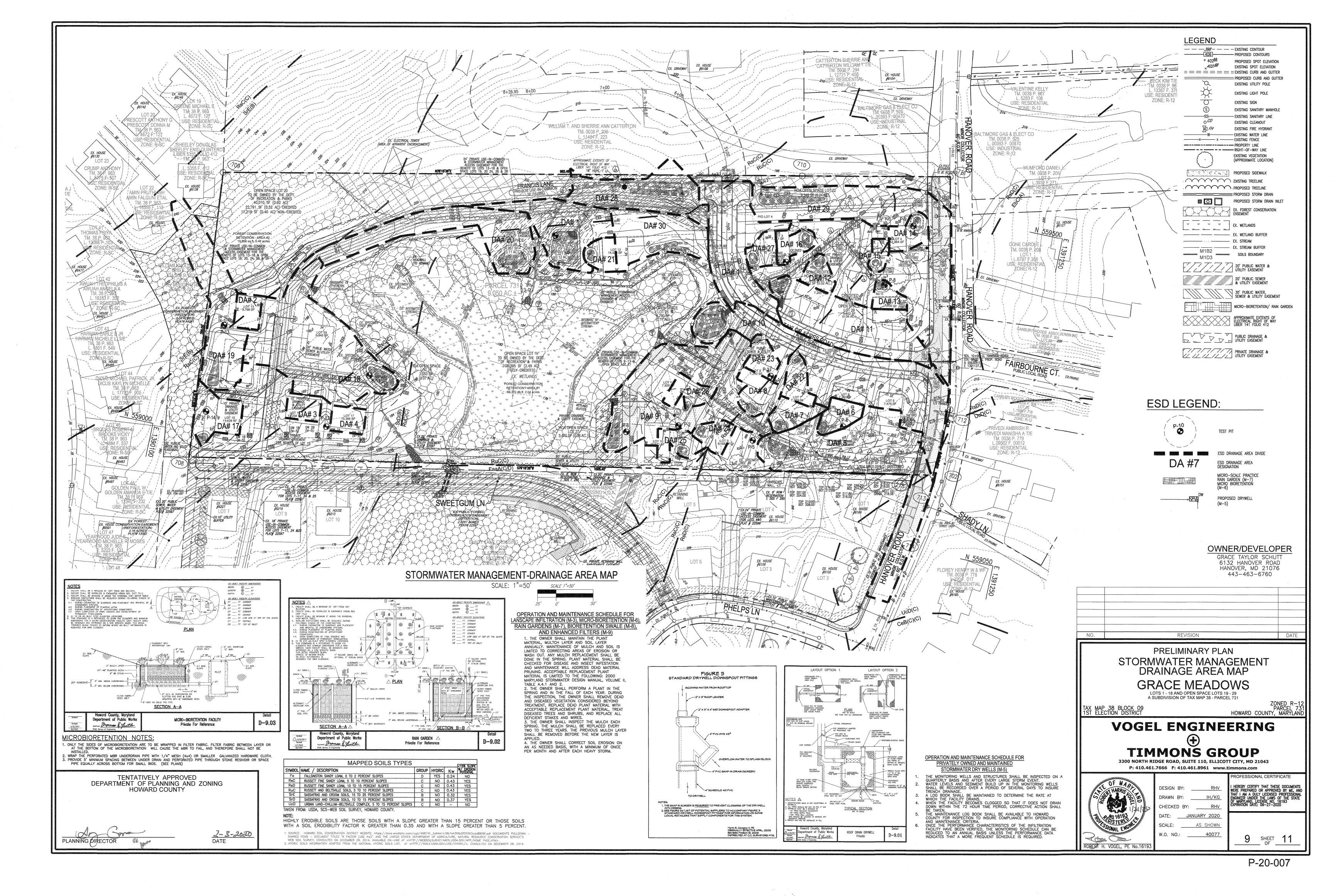
UcD Urban Land-Chillum-Beltsville complex, 5 to 15 percent slopes

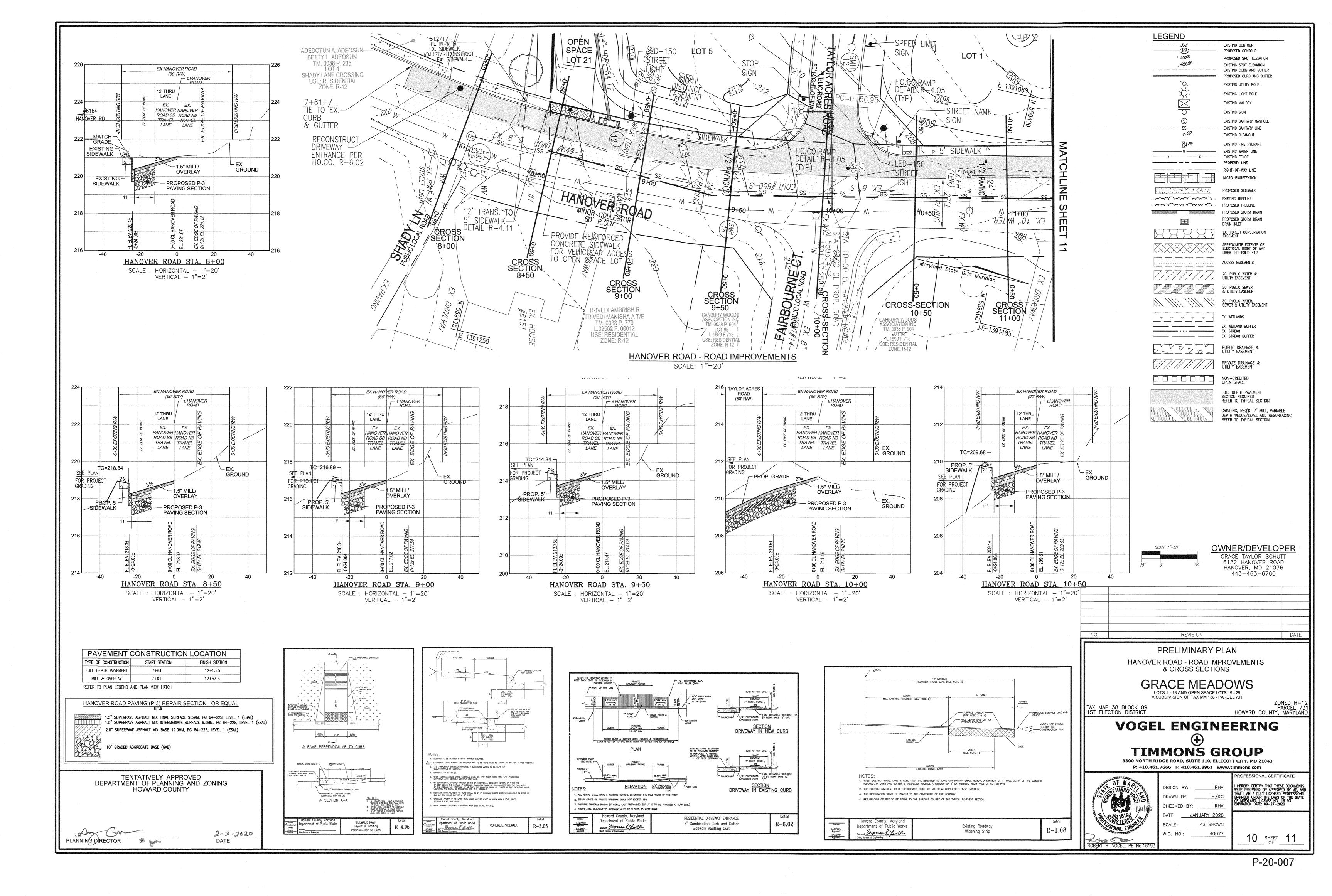
Taken from Usda Scs—wer soil survey howard county TAKEN FROM: USDA, SCS-WEB SOIL SURVEY, HOWARD COUNTY.

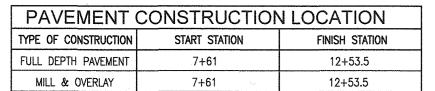
HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15 PERCENT OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR K GREATER THAN 0.35 AND WITH A SLOPE GREATER THAN 5 PERCENT. 1. SOURCE: HOWARD SOIL CONSERVATION DISTRICT WEBSITE: https://docs.wixstatic.com/ugd/49874f_3o64e1o18b7e43f6b2f05093cdo8809f.pdf DOCUMENTS PULLDOWN - SHARED ITEMS - DOCUMENT TITLED "K FACTOR (USE Kw)". AND THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE'S WEB SOIL SURVEY, CONSULTED ON DECEMBER 29, 2014, AVAILABLE ON—LINE AT <http://websoilsurvey.nrcs.usda.gov/app/home page.htm>.
2. HYDRIC SOILS INFORMATION ADAPTED FROM THE NATIONAL HYDRIC SOILS LIST, AT <http://soils.usda.gov/use/hydric/>, consulted on december 29, 2014.



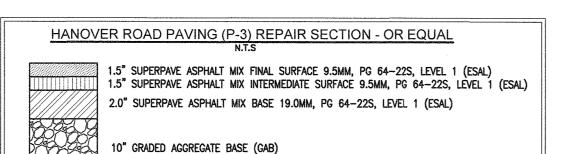


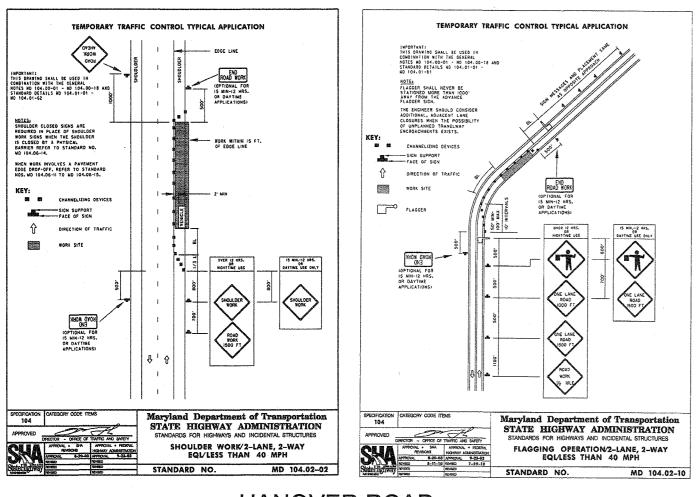




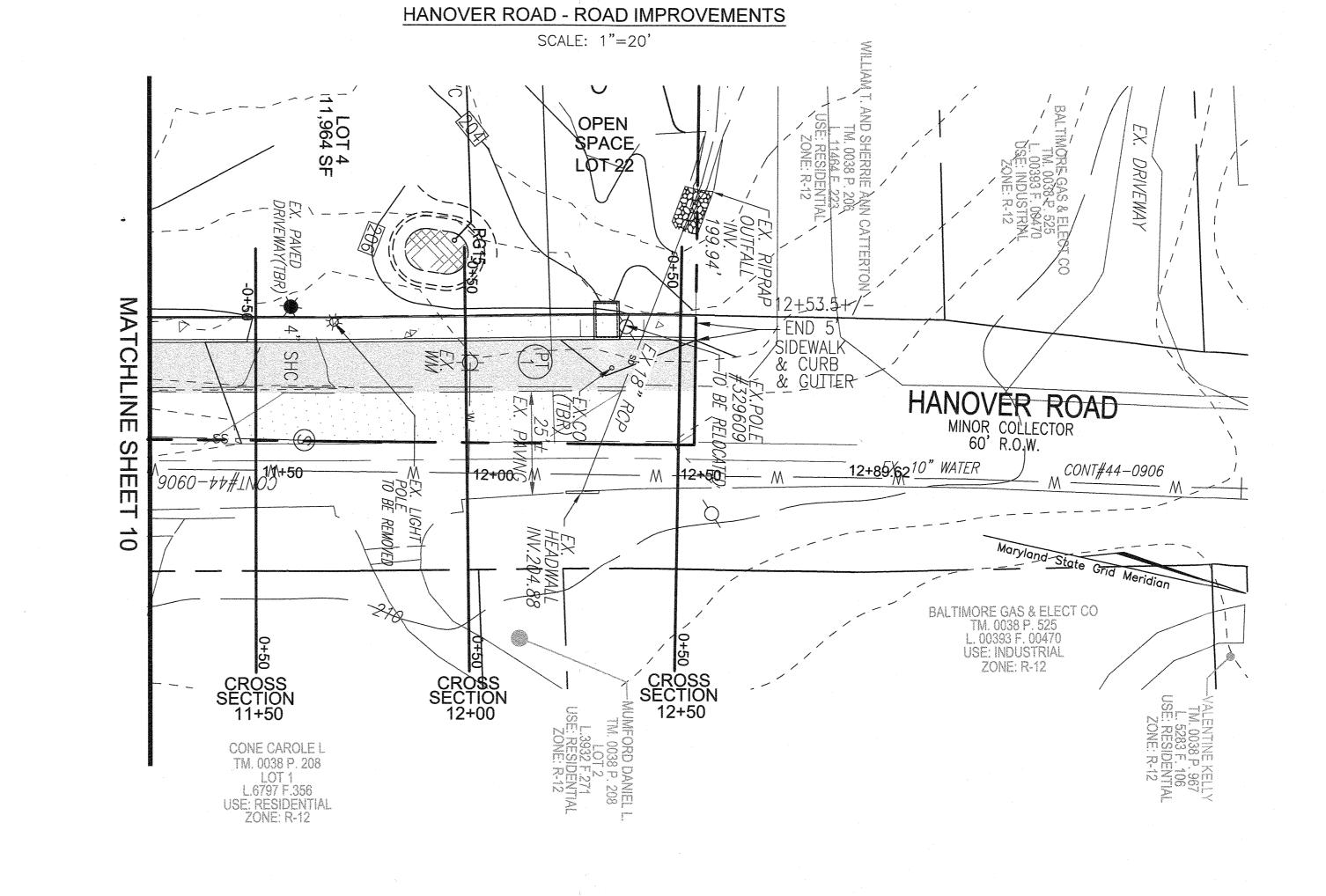


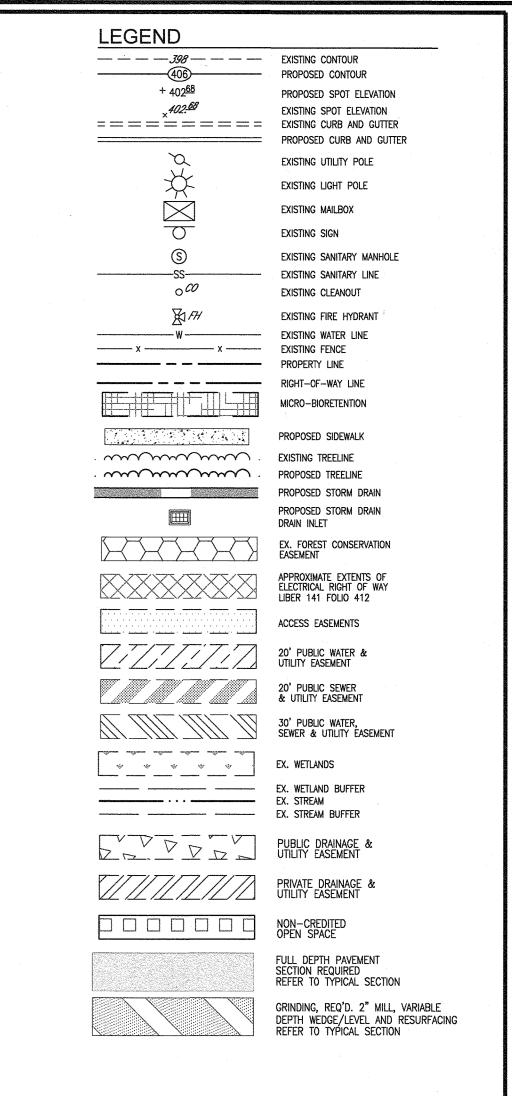
REFER TO PLAN LEGEND AND PLAN VIEW HATCH

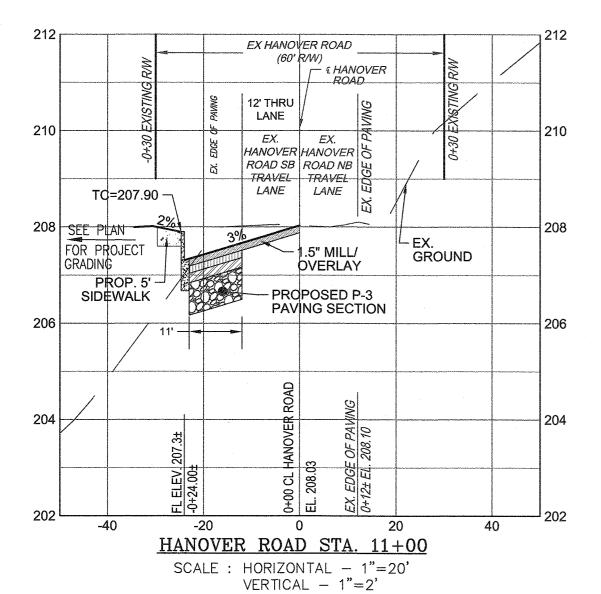


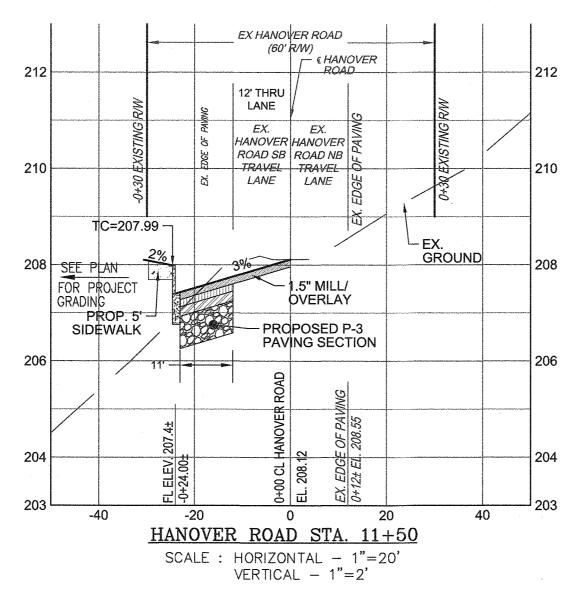


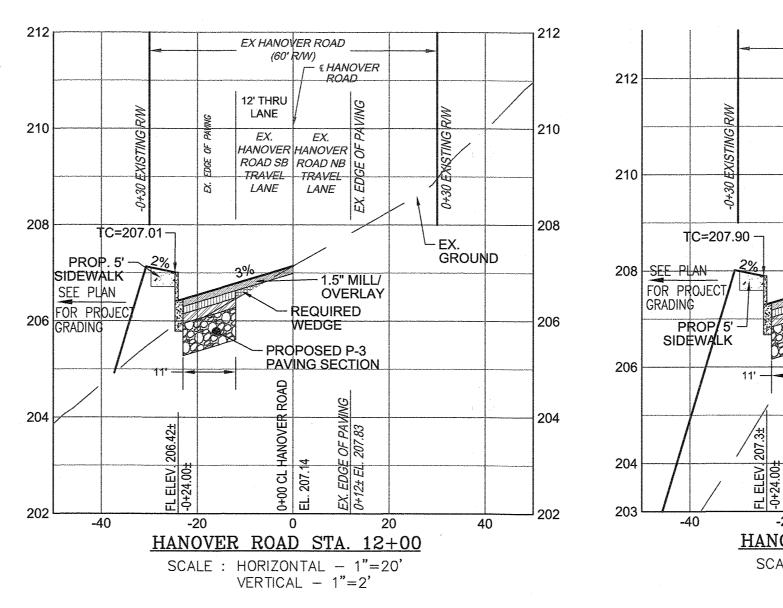
HANOVER ROAD TYPICAL WORK ZONE TRAFFIC CONTROL DETAILS ALL WORK WITHIN THE HANOVER ROAD PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE STANDARD MARYLAND STATE HIGHWAY ADMINISTRATION DETAILS: MD 104.02-02 & MD 104.02-10 OR AS DIRECTED BY THE HOWARD COUNTY - TRAFFIC ENGINEERING DIVISION.

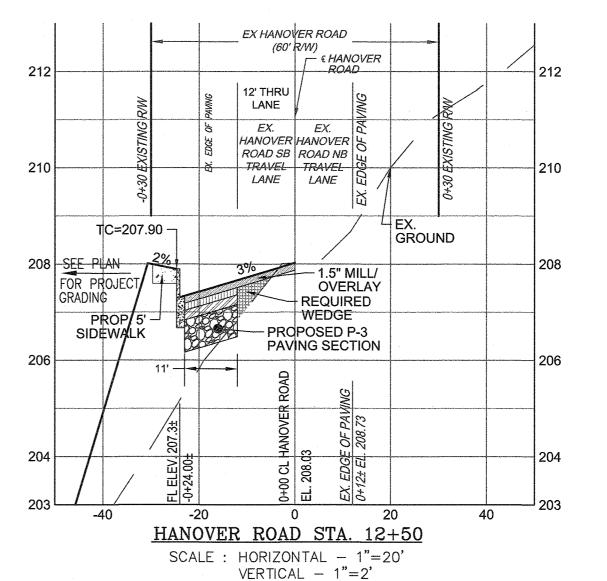


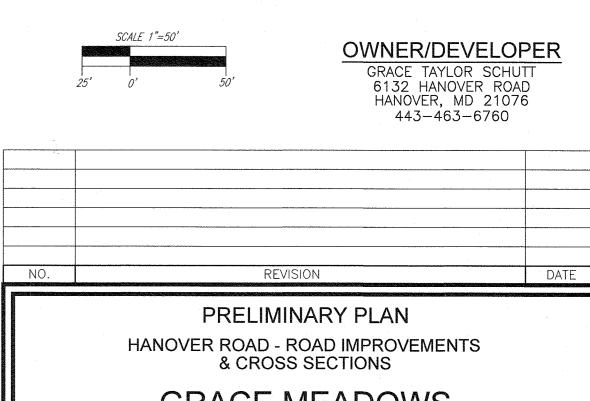








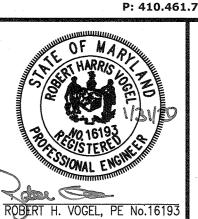




GRACE MEADOWS LOTS 1 - 18 AND OPEN SPACE LOTS 19 - 29 A SUBDIVISION OF TAX MAP 38 - PARCEL 731

TAX MAP 38 BLOCK 09 1ST ELECTION DISTRICT

ZONED R-1: PARCEL 73 HOWARD COUNTY, MARYLANI VOGEL ENGINEERING **TIMMONS GROUP**



7666 F: 410.461.8961 www	.timmons.com
ankan kecili kecili kecili. Ya garajagan makan kecili kecili kecili mengan binakan mengan kecili mengan kecili	PROFESSIONAL CERTIFICA
DESIGN BY: RHV	I HEREBY CERTIFY THAT THESE DO WERE PREPARED OR APPROVED B
DRAWN BY: IH/KG	THAT I AM A DULY LICENSED PRO ENGINEER UNDER THE LAWS OF T
CHECKED BY: RHV	OF MARYLAND, LICENSE NO. 1619 EXPIRATION DATE: 09—27—2020
DATE: JANUARY 2020	
SCALE: AS SHOWN	
W.O. NO.: 40077	11 SHEET

TENTATIVELY APPROVED DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY do Gor 2-3-2020 PLANNING DIRECTOR DATE