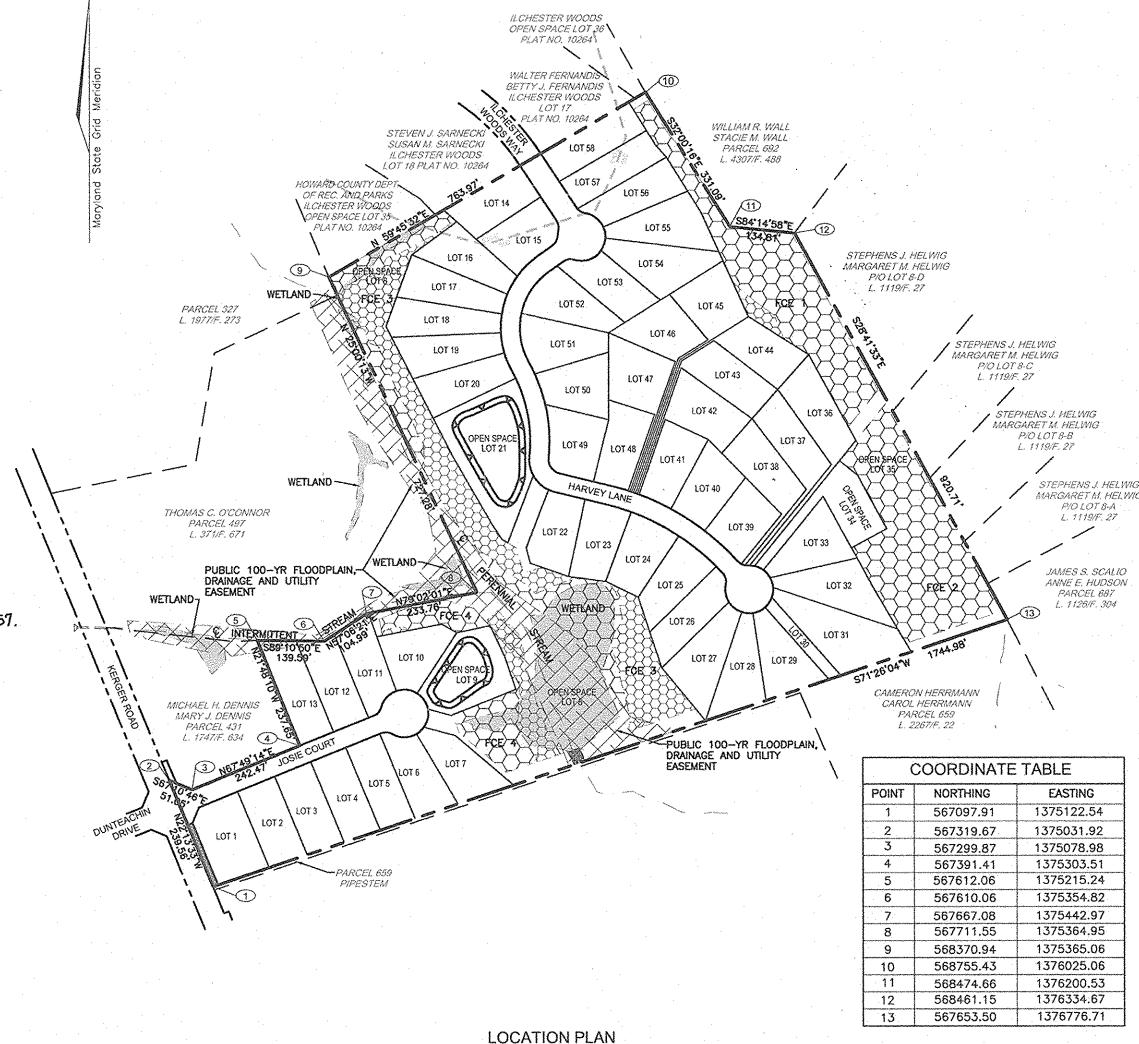
SITE DATA

LOCATION: TAX MAP 31, GRID 21, PARCEL '226' 1ST ELECTION DISTRICT EXISTING ZONING: R-20 DPZ REFERENCES: S-01-06, P-02-27, WP-03-07 (APP. 11/05/02) GROSS AREA OF PROJECT: 31.37 AC. AREA OF 100-YR FLOODPLAIN: 1.57 AC. (68,284 SF±) NET AREA OF PROJECT: 29.80 AC. AREA OF PUBLIC RIGHT-OF-WAY DEDICATION: 2.09 AC. (91,223 SF±) AREA OF OPEN SPACE REQUIRED: 30% OR 9,41 AC. AREA OF CREDITED OPEN SPACE PROVIDED: 34.2% OR 10.75 AC. (468,159 SF±) AREA OF NON-CREDITED OPEN SPACE: 0.09 AC. TOTAL AREA OF OPEN SPACE PROVIDED: 10.84 AC. OR 34.6%

APPROXIMATE LIMIT OF DISTURBANCE: 21.55 AC±

- 1. ALL ASPECTS OF THE PROJECT ARE IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS HAVE BEEN APPROVED.
- 2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY
- PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE. 3. 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. 4. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION
- 5. TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE
- 6. DEED REFERENCE: 5342/533
- 7. THE PROJECT BOUNDARY IS BASED ON A SURVEY PREPARED BY FREDERICK WARD ASSOCIATES, DATED DECEMBER 2001.
- 8. THE TOPOGRAPHY SHOWN HEREON IS BASED ON AERIAL PHOTOGRAMETRIC SURVEY PREPARED BY GREENMAN PEDERSON
- 9. COORDINATE DATUM IS BASED ON THE MARYLAND COORDINATE SYSTEM (NAD 83) AS PROJECTED BY THE FOLLOWING HOWARD COUNTY GEODETIC CONTROL STATIONS: #31EA & #31EB
- 10. WATER AND SEWER FOR THIS PROJECT WILL BE PUBLIC AND PROVIDED THROUGH CONTRACT NO. 14-4078-D. 11. STORMWATER MANAGEMENT IS PROVIDED FOR THIS DEVELOPMENT. THE TWO STORMWATER MANAGEMENT FACILITIES ARE LOCATED ON OPEN SPACE LOTS 9 AND 21 AND WILL BE PRIVATELY OWNED AND MAINTAINED BY THE HOA-POND 1. AND POND #2 ARE MICROPOOL EXTENDED DETENTION FACILITES PROVIDING THE REQUIRED WOV AND COV FOR THE DEVELOPMENT.
- BOTH FACILITIES ARE HAZARD CLASS 'A'. 12. EXCAVATION OF SEDIMENT FROM SWM MAINTENANCE TO BE HAULED OFF-SITE AND STOCKPILED ON-SITE.
- 13. STORMWATER MANAGEMENT SOIL BORINGS FOR THIS SITE ARE BASED ON A GEOTECHNICAL ANALYSIS PREPARED BY HILLIS-
- CARNES ENGINEERING ASSOC., DATED JANUARY 2002. 14. HDPE BEDDING SPECIFICATIONS ARE TO BE AS PER ASTM STANDARDS.
- 15. WETLANDS AND STREAMS SHOWN ON-SITE ARE BASED ON A FIELD INVESTIGATION BY EXPLORATION RESEARCH, DATED JUNE 2000,
- AND THE AERIAL PHOTOGRAMETRIC SURVEY PREPARED BY GREENMAN PEDERSON.
- 16. FLOODPLAIN SHOWN ON-SITE IS BASED ON A STUDY PREPARED BY FREDERICK WARD ASSOCIATES, DATED MAY 2002.
- 17. A FOREST STAND DELINEATION PLAN WAS PREPARED FOR THIS SITE BY VOGEL AND ASSOC., DATED JUNE 2000,
- 18. FOREST CONSERVATION PLAN PREPARED BY FREDERICK WARD ASSOCIATES, DATED JANUARY 2002. FOREST CONSERVATION REQUIREMENTS PER SECTION 16.1202 OF THE HOWARD COUNTY CODE AND THE FOREST CONSERVATION MANUAL FOR THIS SUBDIVISION WILL BE FULFILLED BY THE RETENTION OF EXISTING FOREST IN THE AMOUNT OF 4.89 AC., ON-SITE REFORESTATION IN THE AMOUNT OF 2.03 AC, AND FEE-IN-LIEU OF \$6,534.00 FOR THE REMAINING 0.30 AC. OF REFORESTATION. TOTAL OBLIGATION FOR THIS SITE IS 4.89 AC. OF RETENTION AND 2.33 AC. OF REFORESTION. FINANCIAL
- SURETY IN THE AMOUNT OF \$86,815.10 WILL BE POSTED WITH THE FOREST CONSERVATION AGREEMENT. 19. NO CLEARING, GRADING, OR CONSTRUCTION IS PERMITTED WITHIN THE WETLANDS, STREAMS, OR THEIR BUFFERS, AND THE FOREST CONSERVATION EASEMENTS EXCEPT THOSE AREAS SPECIFIED FOR THE CONTRUCTION OF PUBLIC WATER
- AND PUBLIC SEWER. (MDE PERMIT TRACKING NO. 04-NT-0197/200463350) 20. APFO TRAFFIC STUDY PREPARED BY THE TRAFFIC GROUP, DATED AUGUST 2000, AND APPROVED UNDER S-01-06.
- 21. PERIMETER AND STORMWATER MANAGEMENT LANDSCAPING REQUIREMENTS AS SET FORTH IN SECTION 16.124 OF THE SUBDIVISION REGULATIONS AND THE HOWARD COUNTY LANDSCAPE MANUAL SHALL BE COMPLIED WITH. A FINANCIAL SURETY IN THE AMOUNT OF \$26,280.00 FOR THE REQUIRED 51 SHADE TREES, 31 EVERGREEN TREES, 11 SHRUBS, AND 20 PRIVATE STREET TREES WILL BE POSTED AS PART OF THE DEVELOPER'S AGREEMENT.
- 22. STREET TREES ARE REQUIRED FOR THIS PROJECT IN ACCORDANCE WITH SECTION 16.124(e)(1) OF THE SUBDIVISION REGULATIONS AND THE LANDSCAPE MANUAL. A FINANCIAL SURETY IN THE AMOUNT OF \$30,600.00 TO BE POSTED AS PART
- OF THE DEVELOPER'S AGREEMENT FOR THE REQUIRED 102 PUBLIC STREET TREES. 23. TREE PROTECTION FENCING WILL BE PROVIDED AT THE LIMITS OF DISTURBANCE WHERE GRADING IS ADJACENT TO FOREST
- CONSERVATION RETENTION AREAS AND SENSITIVE ENVIRONMENTAL AREAS, SUCH AS STREAM AND WETLAND BUFFERS. 24. STREET LIGHTING HAS BEEN PROVIDED FOR THE PUBLIC ROADS IN ACCORDANCE WITH SECTION 16.135 OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE DESIGN MANUAL. A MINIMUN OF 20' SHALL BE
- MAINTAINED BETWEEN ANY STREET LIGHT AND ANY TREE. 25. SEDIMENT AND EROSION CONTROL HAS BEEN PROVIDED FOR THIS SITE.
- 26. THIS PROPERTY IS WITHIN THE METROPOLITAN DISTRICT. 27. TO THE BEST OF THE OWNERS KNOWLEDGE, THERE ARE NO BURIAL/CEMETARY LOCATIONS ON SITE.
- 28. A NOISE STUDY IS NOT REQUIRED FOR THIS SITE.
- 29. OPEN SPACE LOTS 9, 21 AND 34 ARE TO BE PRIVATELY OWNED AND MAINTAINED BY THE HOA. OPEN SPACE LOTS 8
- AND 35 ARE TO BE OWNED AND MAINTAINED BY HOWARD COUNTY DEPT. OF RECREATION AND PARKS.
- 30, LOTS 36-38 WILL UTILIZE A USE-IN-COMMON DRIVEWAY. HOWARD COUNTY STANDARD DETAIL NO. R-6.06 WILL BE UTILIZED FOR THE ENTRANCE AT THE INTERSECTION OF THE PUBLIC ROAD.
- 31. NON-BUILDABLE LOT 30 TO BE TRANSFERRED TO HOWARD COUNTY FOR THE PURPOSES OF A PRIVATE ACCESS EASEMENT FOR THE SUBDIVISION OF ADJACENT PARCEL '659 AND ACCESS FOR PARCELS 659, 660, 661, 631, 658, 656, 629, 8657.
- 32. OPEN SPACE LOT 35 TO BE ACCESSED THROUGH LOT 34.
- 33. FOR FLAG OR PIPE STEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPE STEM AND THE ROAD RIGHT-OF-WAY ONLY AND
- NOT ONTO THE FLAG OR PIPE STEM DRIVEWAY.
- 34. WP-03-07: A WAIVER PETITION HAS BEEN SUBMITTED AND APPROVED, DATED NOVEMBER 5, 2002, TO WAIVE SECTION 16.147 TO WAIVE THE REQUIREMENT OF A FINAL SUBDIVISION PLAT/PLAN AND PERMIT THE ADJUSTMENT OF THE PROPERTY LINES
- AND ACREAGES OF PARCELS 226, 327, 431 AND 497 TO BE DONE BY ADJOINER DEED CONVEYANCE. APPROVAL IS SUBJECT TO THE FOLLOWING CONDITIONS: 1. THE ADJOINER DEED TRANSFERS OF LAND SHALL BE ACCOMPLISHED PRIOR TO SUBMISSION OF THE FUTURE
 - SUBDIVISION PLAN FOR THIS PROJECT, AND THE NEW DEED RECORDING NUMBERS SHALL BE INDICATED WHERE REQUIRED ON THE FUTURE FINAL SUBDIVISION PLATS AND PLANS. THIS WAIVER IS VALID FROM 11/5/02 TO 11/5/03 OR AS LONG AS THE SUBDIVISION REMAINS IN ACTIVE PROCESSING.
- 35. AS A CONSEQUENCE OF ITS SUBMISSION PRIOR TO NOVEMBER 15, 2001, THIS SUBDIVISION PLAN IS GRANDFATHERED TO THE FOURTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND BECAUSE THE PRELIMINARY PLAN WAS NOT APPROVED PRIOR TO NOVEMBER 1, 2001, THIS PROJECT IS SUBJECT TO COMPLIANCE WITH COUNTY COUNCIL BILL 50-2001 WHICH AMENDED PORTIONS OF THE ZONING REGULATIONS.
- 36. ALL FILLED AREAS OF EARTHWORK REQUIRE 95% COMPACTION PER AASHTO-180 SPECIFICATIONS.
- 37. DRIVEWAY PLACEMENT AND GRADING WILL BE FINALIZED AT SITE DEVELOPMENT PHASE.
- 38. DEVELOPMENT OR CONSTRUCTION ON THESE LOTS MUST COMPLY WITH THE SETBACK AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF THE SUBMISSION OF THE SITE DEVELOPMENT PLAN, WAIVER PETITION OR BUILDING/GRADING PERMIT.

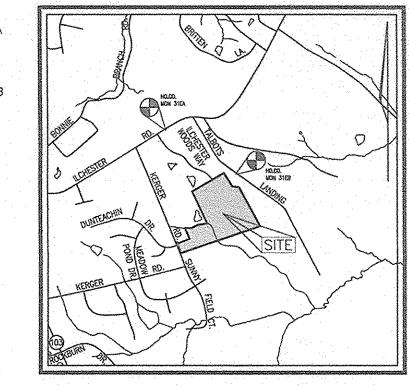
FINAL ROAD CONSTRUCTION PLAN DENNIS PRESERVE LOTS 1-58 HOWARD COUNTY, MARYLAND



SCALE: 1"=200"

BENCHMARK NO. 1: COUNTY CONTROL #31EA N 569641.123 E 1374815.935 ELEV. = 469.603

BENCHMARK NO. 2: COUNTY CONTROL #31EB N 568730.984 E 1376273.491 ELEV. = 453.396



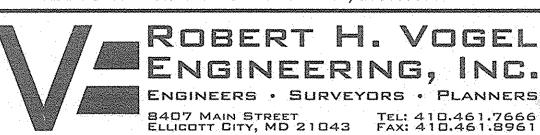
SHEET INDEX 1 OF 17 COVER SHEET 2 OF 17 ROAD CONSTRUCTION PLAN 3 OF 17 ROAD CONSTRUCTION PROFILES 4 OF 17 ROAD CONSTRUCTION PLAN AND PROFILES 5 OF 17 GRADING AND SEDIMENT & EROSION CONTROL PLAN 6 OF 17 GRADING AND SEDIMENT & EROSION CONTROL PLAN AND TRAFFIC CONTROL PLAN 7 OF 17 GRADING AND SEDIMENT & EROSION CONTROL DETAILS 8 OF 17 STORM DRAIN DRAINAGE AREA MAP 9 OF 17 STORM DRAIN DRAINAGE AREA MAP 10 OF 17 STORM DRAIN PROFILES 11 OF 17 STORM DRAIN PROFILES 12 OF 17 STORMWATER MANAGEMENT DETAILS-POND #1 13 OF 17 STORMWATER MANAGEMENT DETAILS-POND #2 14 OF 17 LANDSCAPE PLAN 15 OF 17 LANDSCAPE PLAN 16 OF 17 FOREST CONSERVATION PLAN 17 OF 17 FOREST CONSERVATION PLAN.

FINAL ROAD CONSTRUCTION PLAN

ADD NOTE FOR LOT 30 USE-IN-COMMON ACCESS

DENNIS PRESERVE LOTS 1-58

PARCEL '226' TAX MAP 31 BLOCK 21 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND REF.: S-01-06, P-02-27, WP-03-07 (APP. 11/05/02) MDE PERMIT TRACKING NO. 04-NT-0197/200463350



DESIGN BY: DRAWN BY CHECKED BY: DATE: SEPTEMBER 2004 AS SHOWN SCALE: W.O. NO.: ROBERT H. VOGEL, PE No.16193

SHEET 17

Willia Z. Wolshill. Chief, Bureau of Highways APPROVED: DEPARTMENT OF PLANNING AND ZONING

APPROVED: DEPARTMENT OF PUBLIC WORKS

Chief, Division of Land Development Chief, Development Engineering Division Date

DENNIS PRESERVE, U.C. ELLICOTT CITY LAND HOLDINGS, UC SOUR MEMBER 8000 MAINSTREET EWICOTT CITY, MOZIOUS 410-400-9105

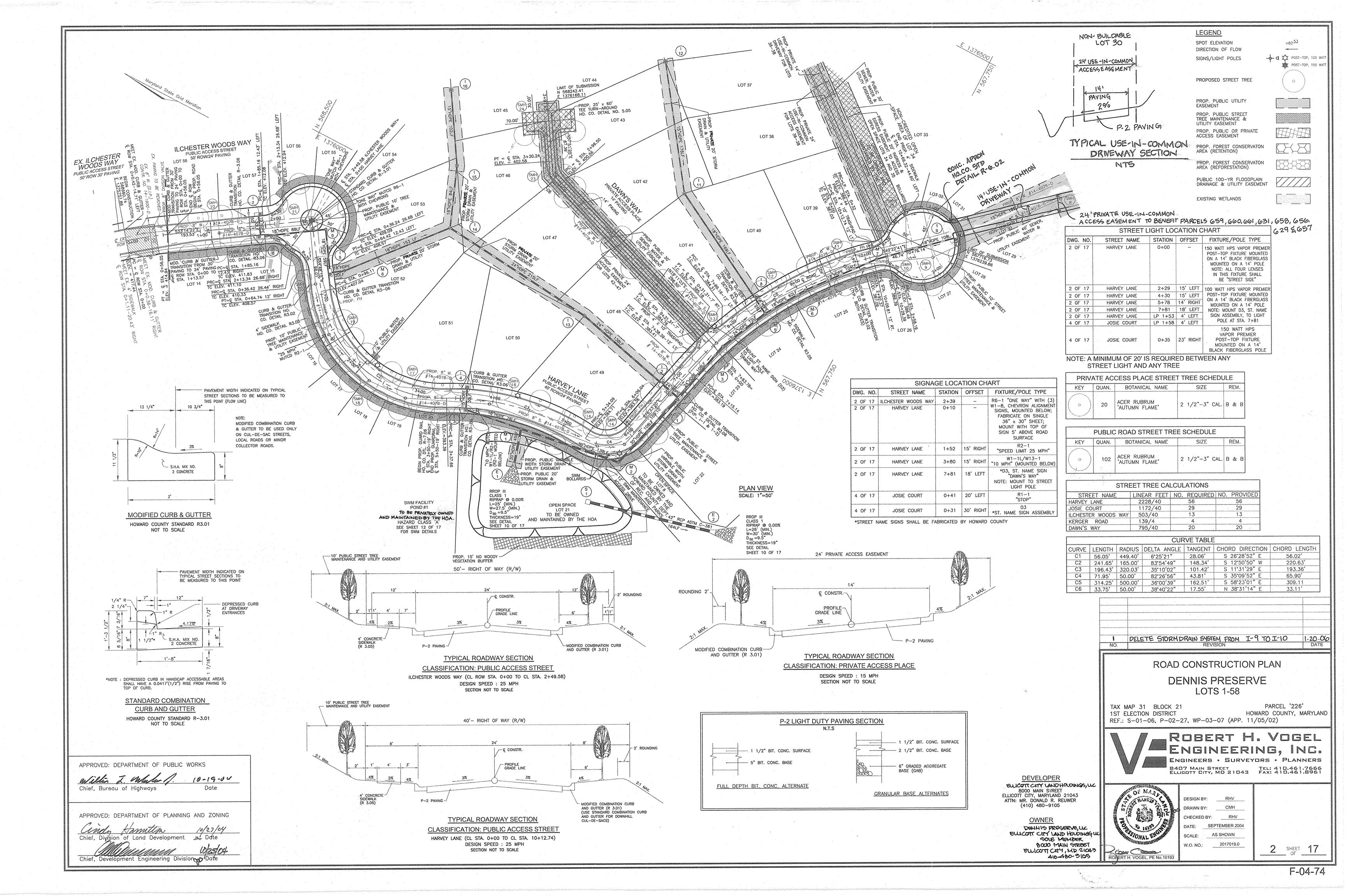
DEVELOPER

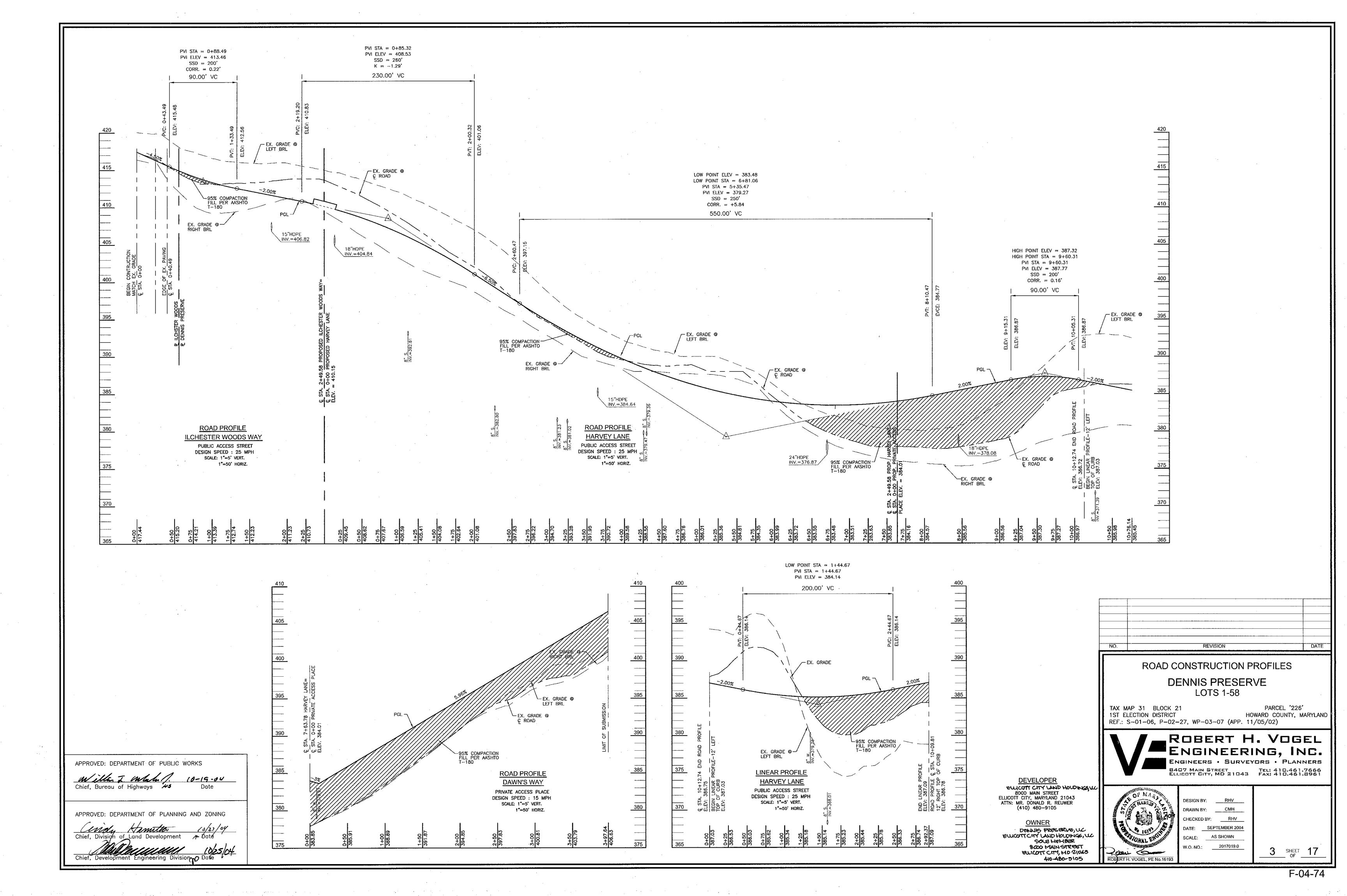
8000 MAIN STREET ELLICOTT CITY, MARYLAND 21043

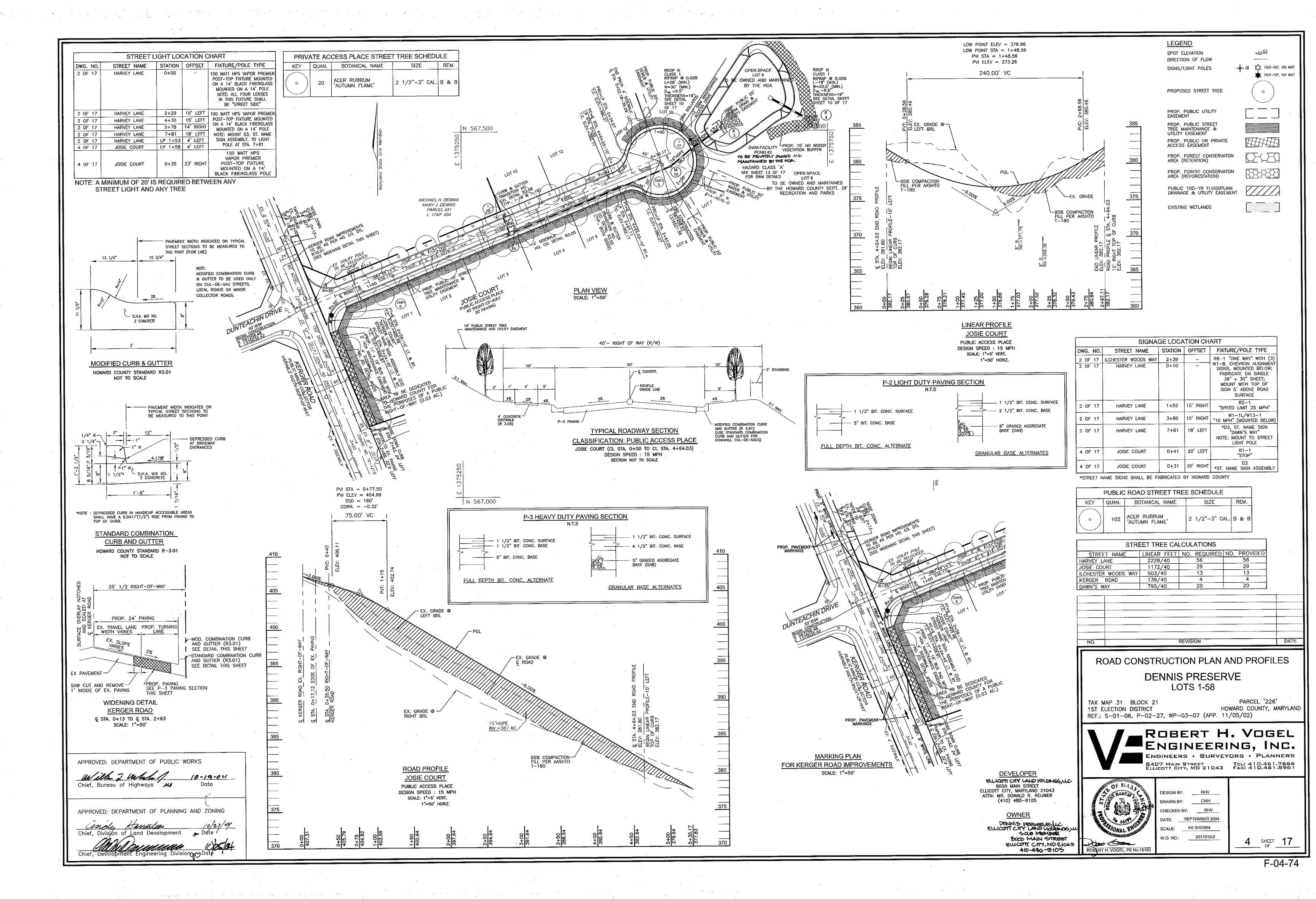
ATTN: MR. DONALD R. REUWER (410) 480-9105

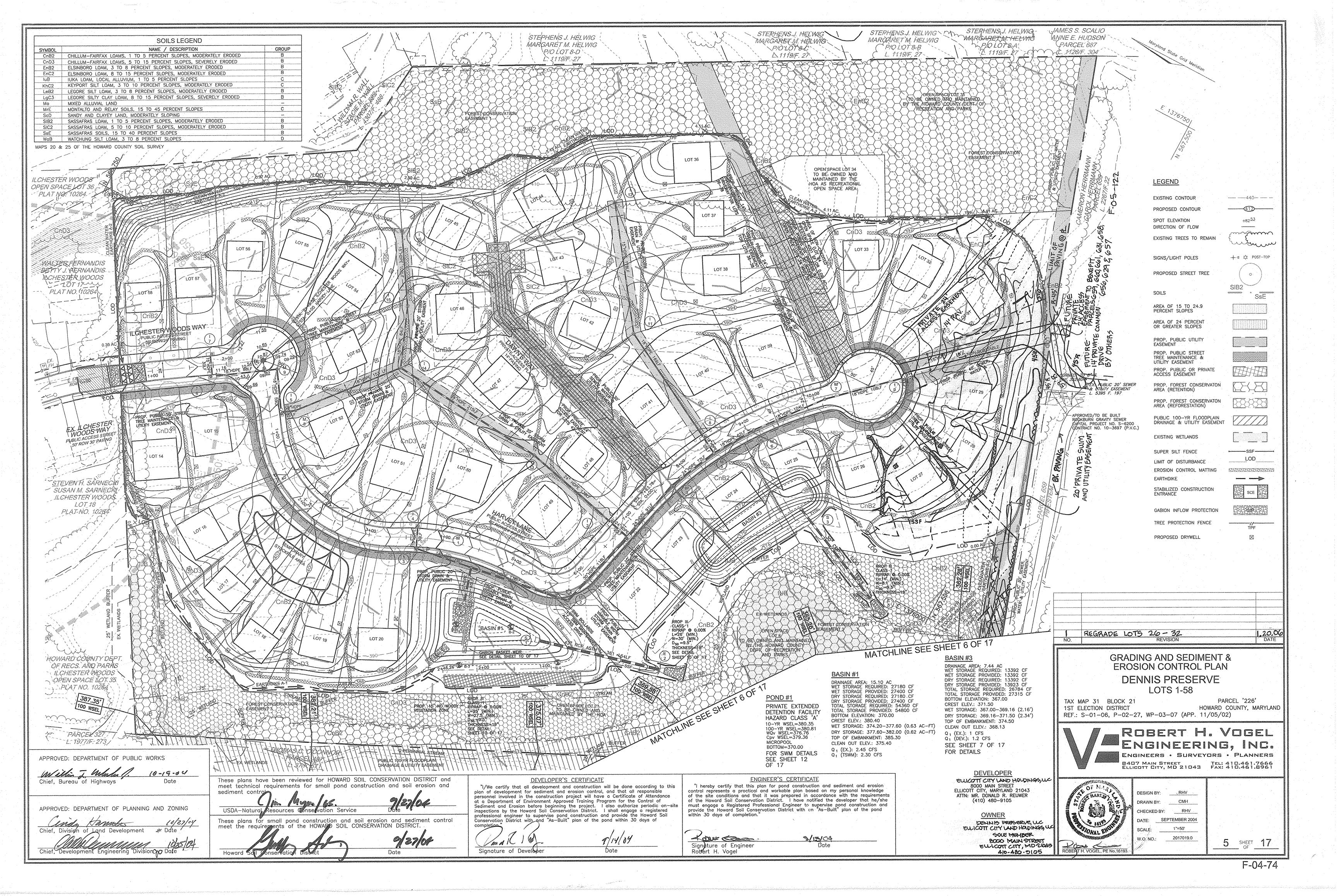
OWNER

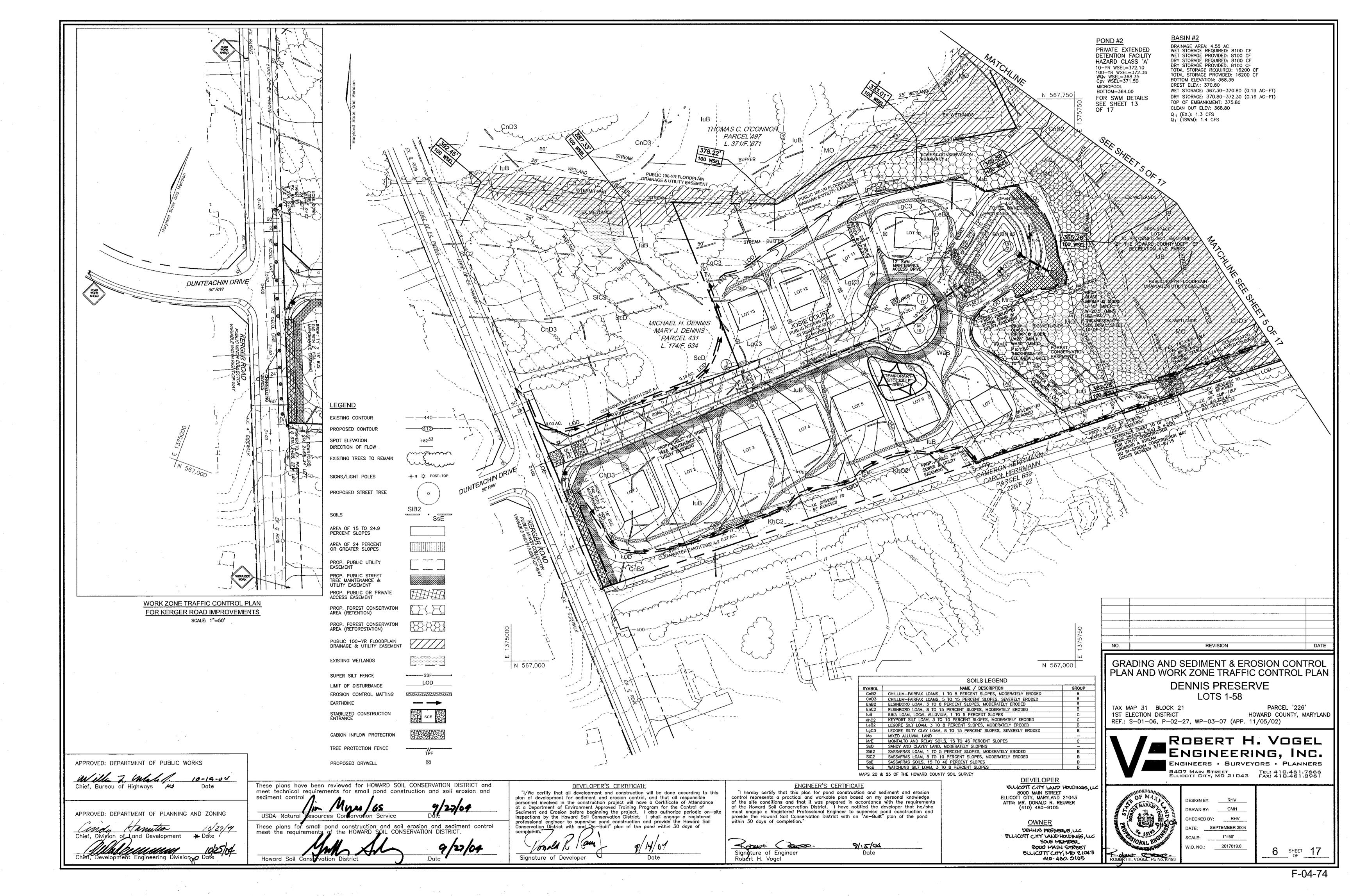
EUCOTT CITY LAND HOLDINGS, U.C.

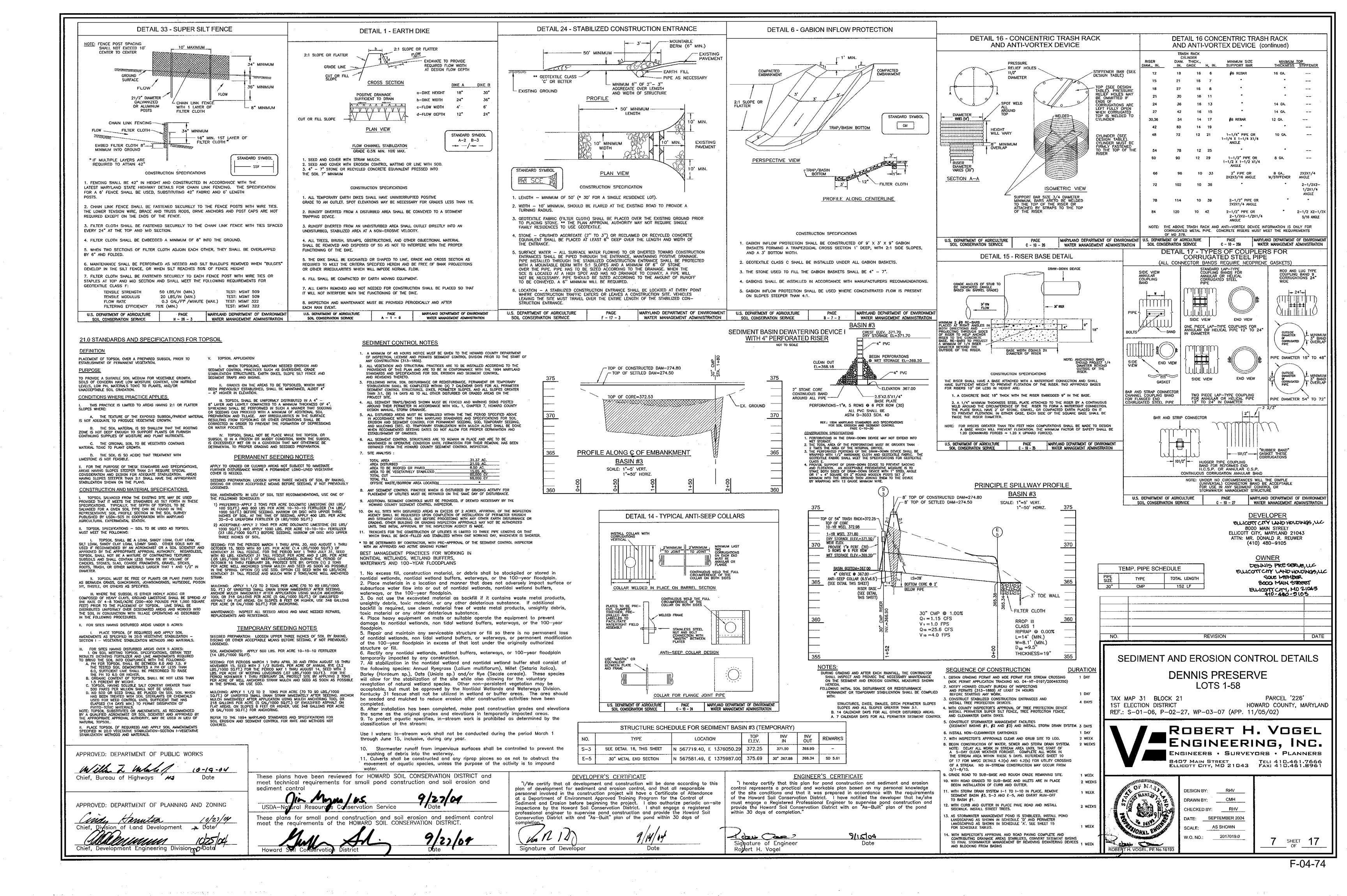


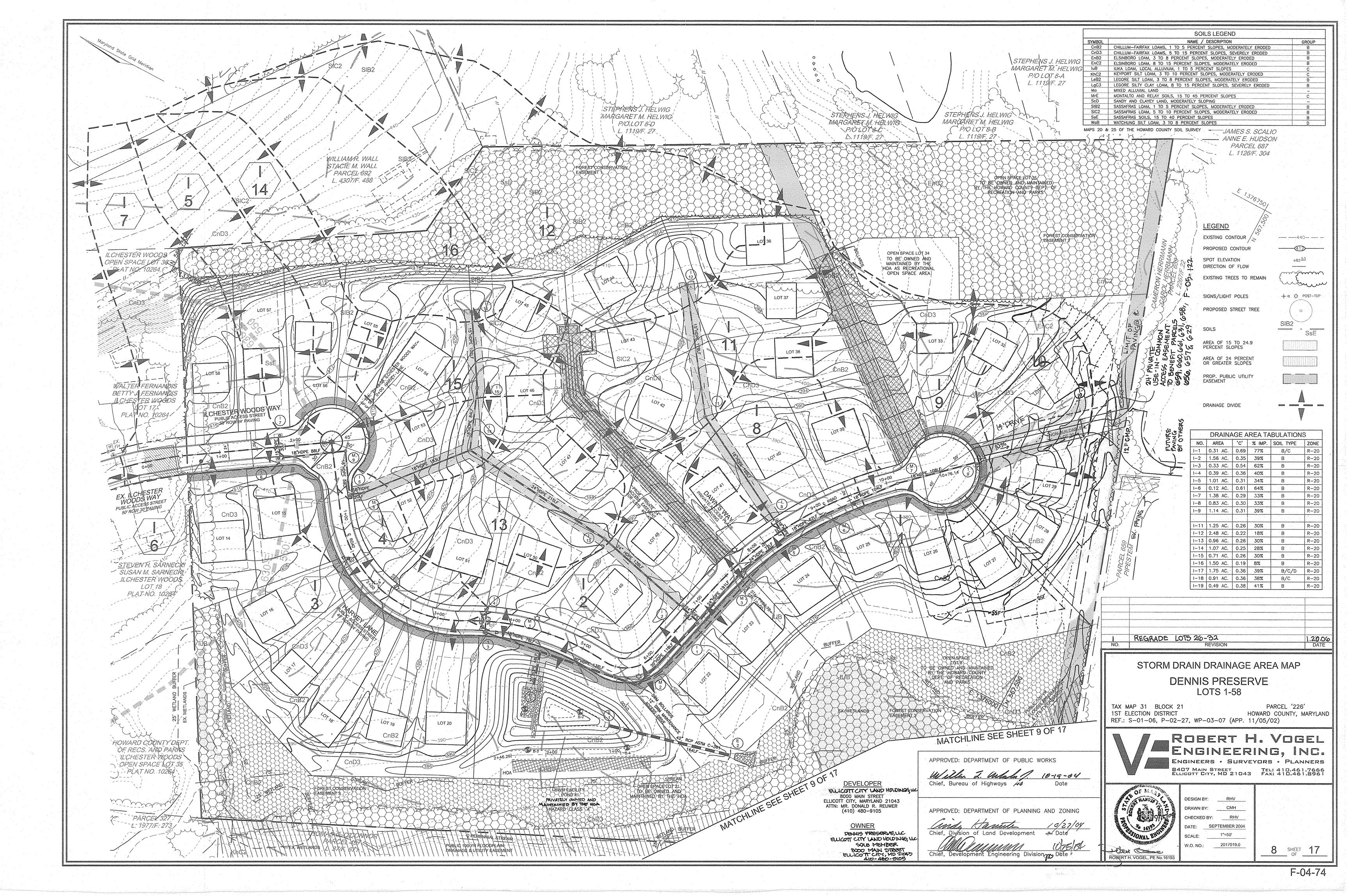


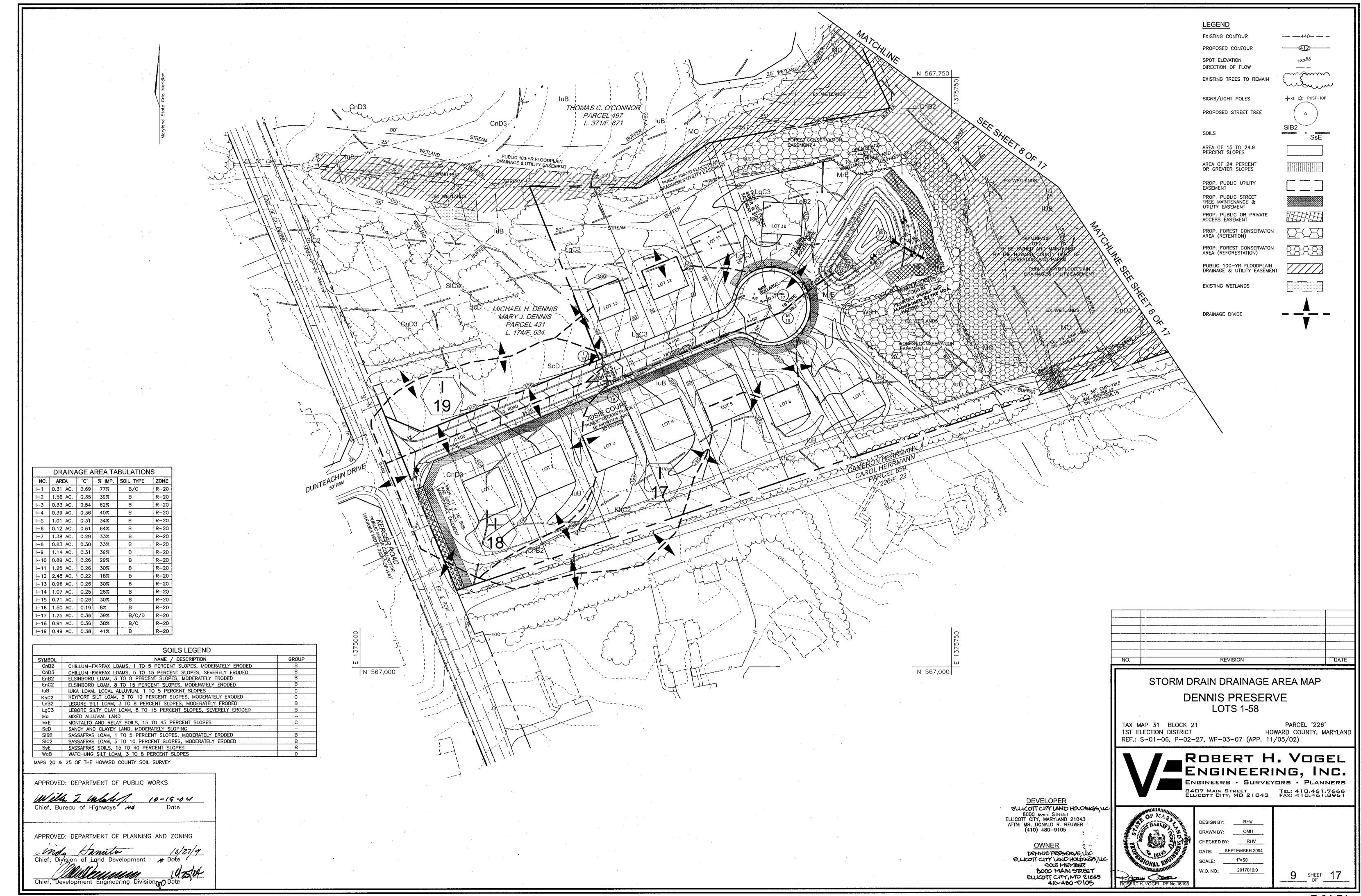


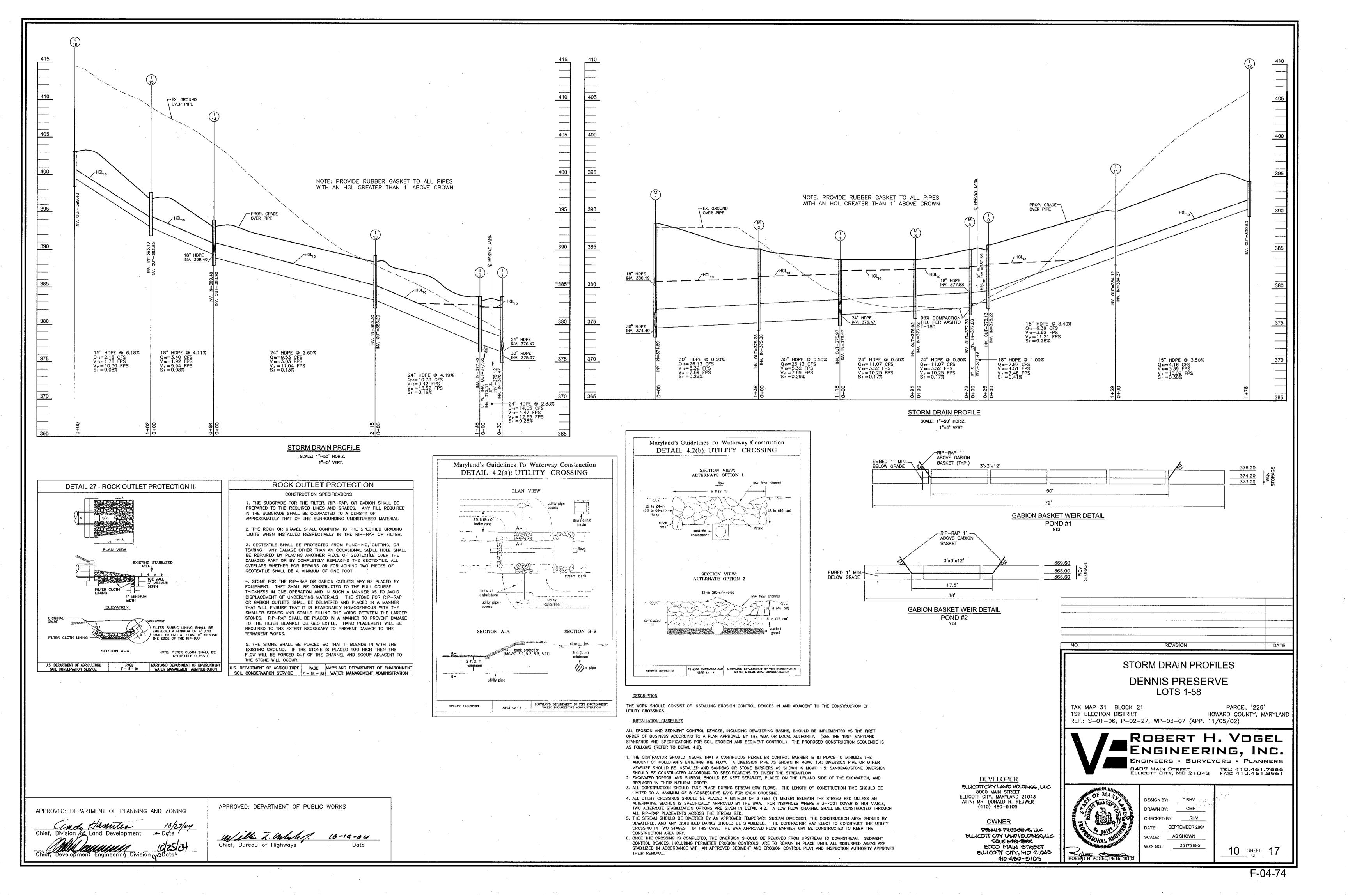


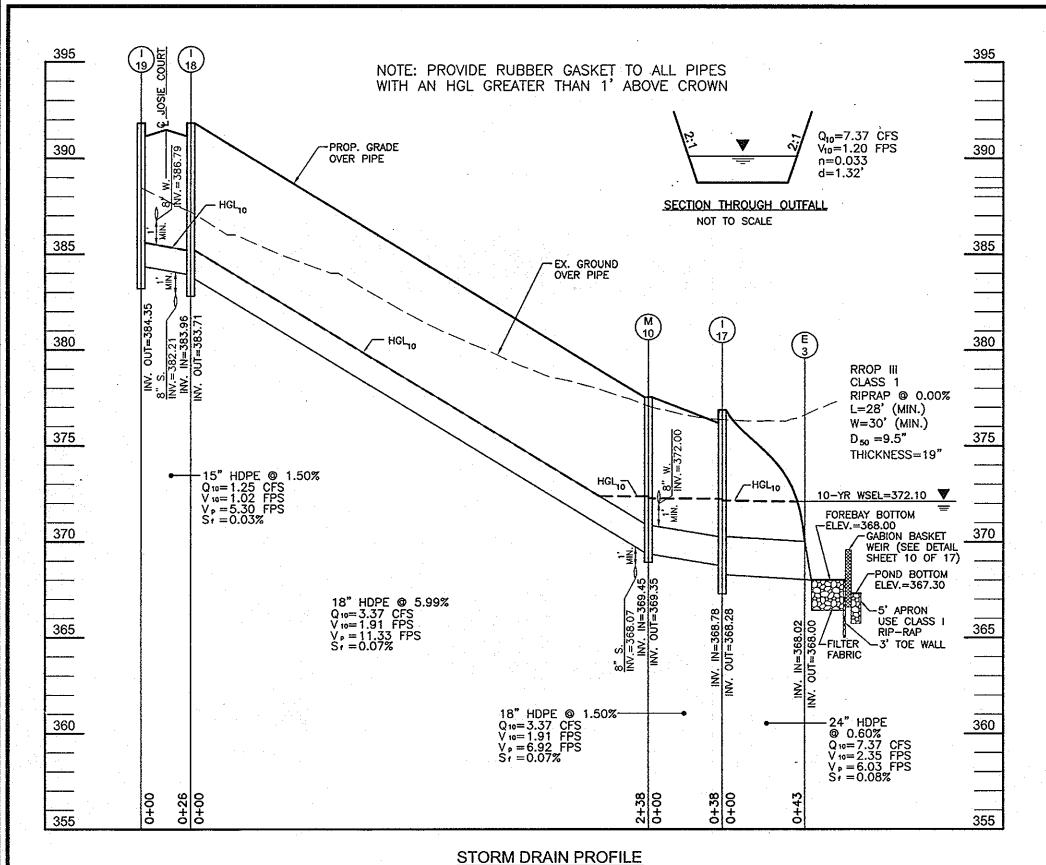






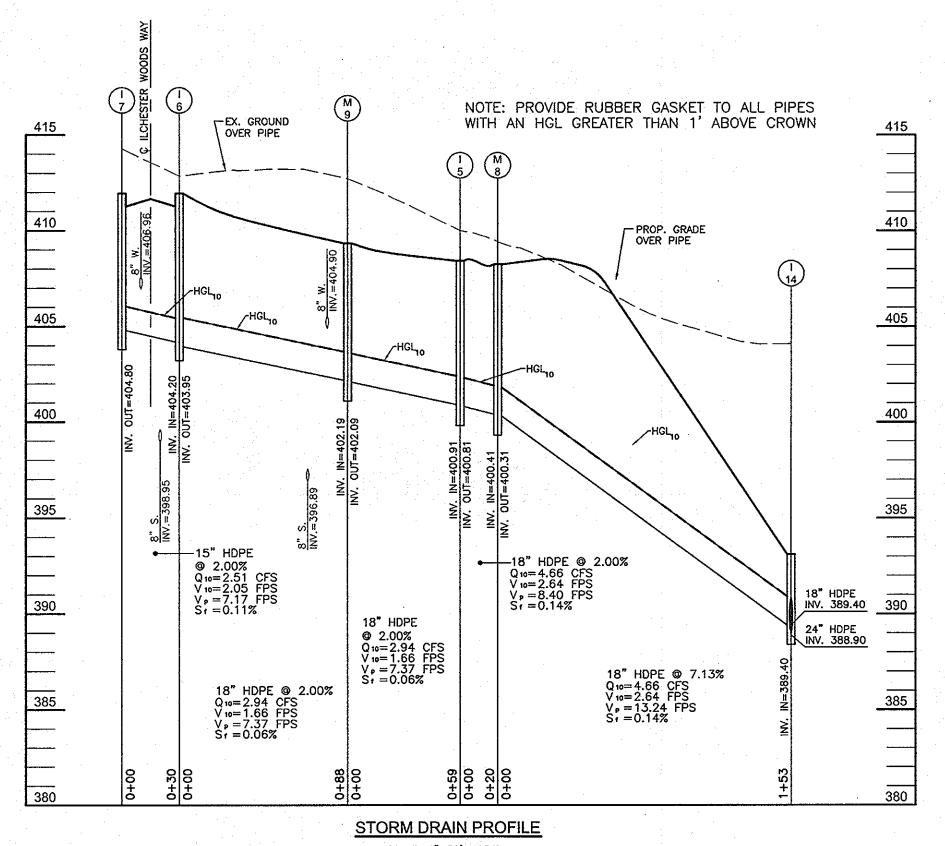


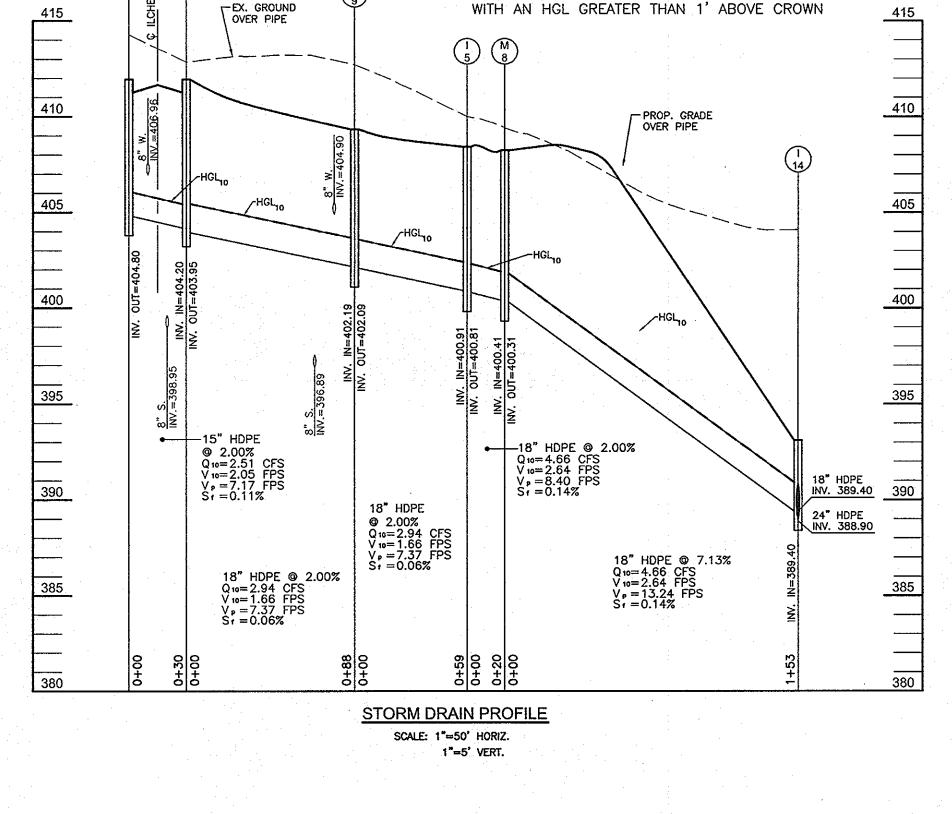


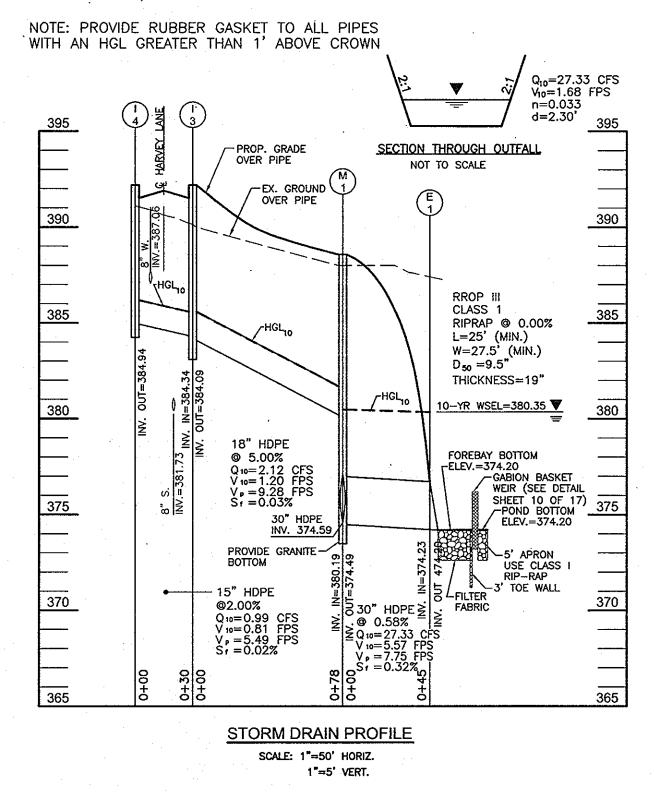


SCALE: 1"=50" HORIZ.

1"=5" VERT.





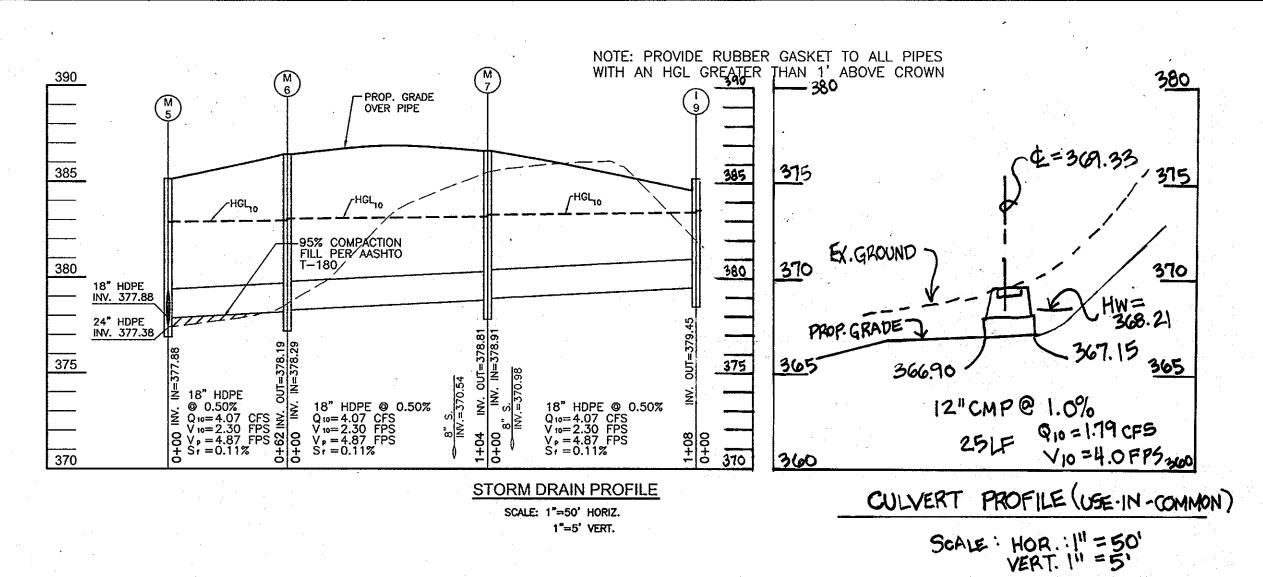


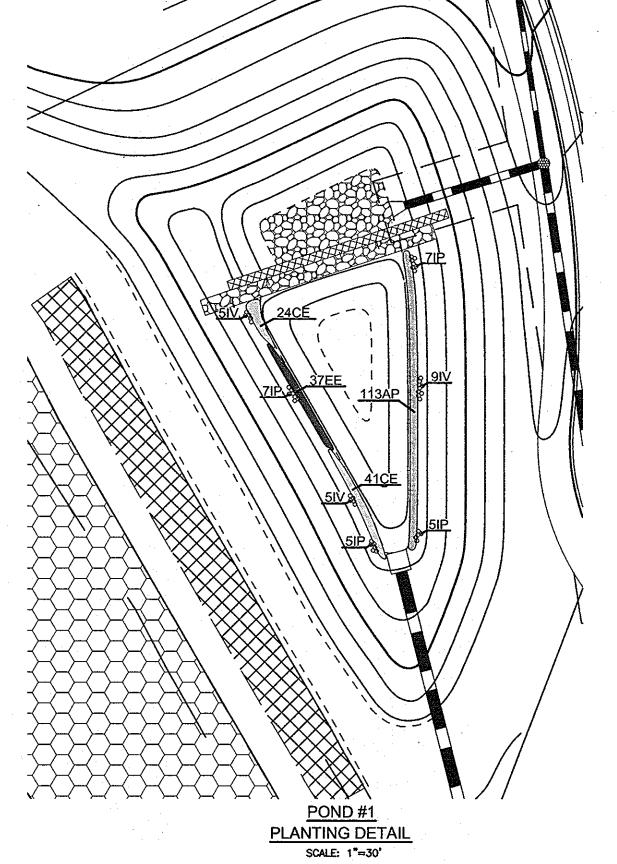
,,,	·	LOCATION	TOP	INV	INV	DELLACIO
NO.	TYPE	LOCATION	ELEV.	İN	ÖÜT	REMARKS
E-1	30" CONCRETE END SECTION	N 568062.96 E 1375730.52	376.73	30" 374.23	374.20	SD 5.51
E-2	42" CONCRETE END SECTION	N 567789.02, E 1375769.44	375.69	42" 372.19	372.12	SD 5.51
E-3	24" CONCRETE END SECTION	N 567501.48 E 1375600.81	370.02	24" 368.02	368.00	SD 5.51
E-4	30" CONCRETE END SECTION	N 567519.80, E 1375115.54		30* 366.56	366.50	SD 5.51
1-1	TYPE 'A-10' INLET	CL STA. 6+79.22-12.43' R.	383.78 *383.11	24" 376.47 24" 376.47	30" 375.97	SD 4.41
I - 2	TYPE 'A-10' INLET	CL STA. 6+79.22-12.43' L.	383.78 *383.11	24" 377.42	24" 377.32	SD 4.41
I - 3	TYPE 'A-5' INLET	CL STA. 3+64.50-12.43' R.	391.52 *390.85	15" 384.34	18" 384.09	SD 4.40
I-4	TYPE 'A-5' INLET	CL STA. 3+64.50-12.43' L.	391.52 *390.85	-	15" 384.94	SD 4.40
I - 5	TYPE 'A-5' INLET	CL STA. 0+72.76-12.43' L.	408.06 *407.39	18" 400.91	18" 400.81	SD 4.40
I-6	TYPE 'A-10' INLET	CL STA. 1+79.51-12.43' R.	411.94 *411.27	15" 404.20	18" 403.95	SD 4.41
I-7	TYPE 'A-10' INLET	CL STA. 1+79.51-12.43' L.	411.94 *411.27	-	15" 404.80	SD 4.41
I-8	TYPE 'A-10' INLET	CL STA. 8+45.31-12.43' L.	385.77 *385.10	18" 378.23	18" 378.13	SD 4.41
1–9	TYPE 'A-10' INLET	LP STA. 1+44.72	385.14 *384.47	15" 379.70	18" 379.45	SD 4.41
					4	
I - 11	TYPE 'D' INLET	N 568029.59 E 1376155.17	391.13 *390.30	15" 384.37	18" 384.12	SD 4.39
1-12	YARD INLET	N 568134.11 E 1376299.69	394.30	-	15" 390.60	SD 4.14
1-13	TYPE 'D' INLET	N 568071.60 E 1375947.46	389.23 *388.40	24* 383.30	24* 383.20	SD 4.39
I - 14	TYPE 'D' INLET	N 568285.48 E 1375968.45	393.93 *393.10	18" 389.40 18" 389.40	24" 388.90	SD 4.39
I-15	TYPE 'D' INLET	N 568316.08 E 1376046.50	397.63 *396.80	15" 393.10	18" 392.85	SD 4.39
I-16	YARD INLET	N 568370.27 E 1376132.73	403.10	- '	15" 399.40	SD 4.14
l-17	TYPE 'A-10' INLET	LP STA. 1+49.31	376.86 *376.19	18" 368.78	24" 368.28	SD 4.41
I-18	TYPE 'A-10' INLET	CL STA. 3+02.91-10.43' R.	391.82 *391.15	15" 383.96	18" 383.71	SD 4.41
i–19	TYPE 'A-10' INLET	CL STA. 3+02.91-10.43' L	391.82 *391.15	-	15" 384.35	SD 4.41
M-1	STANDARD 5' MANHOLE	CL STA. 4+47.31-26.21' R.	388.53	18" 380.19 30" 374.59	30" 374.49	G 5.13
M-2	STANDARD 5' MANHOLE	CL STA. 5+74.47-25.22' R.	385.16	30° 375.38	30" 375.28	G 5.13
м-3	STANDARD 5' MANHOLE	CL STA. 7+71.70-9.88' R.	383.81	24* 377.02	24" 376.92	G 5.13
M-5	STANDARD 5' MANHOLE	CL STA. 8+45.31-9.95' R.	385.14	18" 377.88 18" 377.88	24" 377.38	G 5.13
M-6	STANDARD 5' MANHOLE	CL STA. 9+08.57-9.81' R.	386.41	18" 378.29	18" 378.19	G 5.13
M-7	STANDARD 5' MANHOLE	CL STA. 10+14.30-4.08' R.	386.60	18" 378.91	18" 378.81	G 5.13
M-8	STANDARD 5' MANHOLE	N 568383.67 E 1375851.64	408.24	18" 400.41	18" 400.31	G 5.13
M-9	STANDARD 5' MANHOLE	CL STA. 0+13.92-16.99' L.	409.34	18" 402.19	18" 402.09	G 5.13
M−10	STANDARD 5' MANHOLE	N 567451.90 E 1375535.74	377.53	18" 369.45	18" 369.35	G 5.13
S-1	CONTROL STRUCTURE	N 567951.23 E 1375728.75	383.63	2.5" 375.10	42" 373.50	SEE DETAIL 12 OF 17
S-2	CONTROL STRUCTURE	N 567544.20 E 1375672.69	374.30	1.6" 368.40	30" 367.05	SEE DETAIL

*ELEVATION AT THROAT OPENING

1. PROVIDE RUBBER GASKET TO ALL PIPES WITH AN HGL GREATER THAN 1' ABOVE CROWN.
2. PROVIDE GRANITE BOTTOM AT M1. 3. HDPE BEDDING SPECIFICATIONS ARE TO BE AS PER ASTM STANDARDS.

PIPE SCHEDULE				
PIPE SIZE	TYPE	TYPE TOTAL LENGTH		
15"	HDPE	528 LF		
18"	HDPE	1226 LF		
24"	HDPE	589 LF		
30"	HDPE	301 LF		
30"	RCP ASTM C-361	47 LF		
42"	RCP ASTM C-361	164 LF		





SCALE: 1"=30"				
	10"	DEEP POND #1 LANDSCAPE	SCHEDULE	<u> </u>
KEY	QUAN.	BOTANICAL NAME	SIZE	REMARKS
IP	24	Iris pseudacoris Yellow Water Iris	plug	1.5' oc
IV	19	Iris versicolor Blue Flag (wear gloves)	plug	1.5' oc
AP	113	Alisma plantago—aquatica Water Plantain	plug	2' oc
CE	64	Cyperus esculentus Yellow Nut Sedge	plug	2' oc
EE	37	Eleocharis equisetoides Knotted Spike Rush	rhizome	2' oc

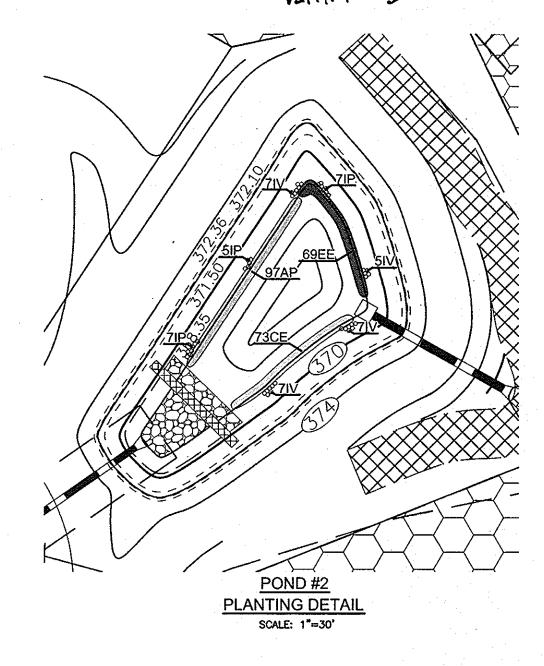
ADD THREE INCHES OF TOPSOIL TO PLANTING AREA. STABILIZE WITH 40 POUNDS PER ACRE OF A HYDROSEED MIX (WET MIX AND MEADOW MIX) FROM SYLVA NATIVE NURSERY OR EQUAL. ALL PLANT MATERIALS TO CONFORM TO THE MOST CURRENT AAN SPECIFICATIONS AND BE INSTALLED IN ACCORDANCE WITH LCAMW SPECIFICATIONS.

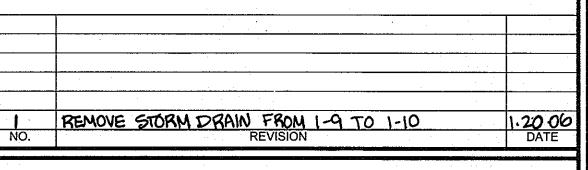
	1' P	OND #2 LANDSCAPE SCHEDUL	.E	
KEY	QUAN.	BOTANICAL NAME	SIZE	REMARKS
IP	19	Iris pseudacoris Yellow Water Iris	plug	1.5' oc
IV	26	Iris versicolor Blue Flag (wear gloves)	plug	1.5' oc
AP	97. 3	Alisma plantago—aquatica Water Plantain	plug	2' oc
CE	73	Cyperus esculentus Yellow Nut Sedge	plug	2' oc
EE	69	Eleocharis equisetoides Knotted Spike Rush	rhizome	2' oc

ADD THREE INCHES OF TOPSOIL TO PLANTING AREA. STABILIZE WITH 40 POUNDS PER ACRE OF A HYDROSEED MIX (WET MIX AND MEADOW MIX) FROM SYLVA NATIVE NURSERY OR EQUAL. ALL PLANT MATERIALS TO CONFORM TO THE MOST CURRENT AAN SPECIFICATIONS AND BE INSTALLED IN ACCORDANCE WITH LCAMW SPECIFICATIONS.

DEVELOPER ELLICOTT CITY LAND HOLDINGS, LC 8000 MAIN STREET ELLICOTT CITY, MARYLAND 21043 ATTN: MR. DONALD R. REUWER (410) 480-9105

DONHIS PRESERVE, U.C. EULCOTT CITY LAND HOLDINGS, U.C. sous member 8000 MAIN STREET ELLICOTT CHY, HD 21043 410-480-9105





STORM DRAIN PROFILES **DENNIS PRESERVE** LOTS 1-58

TAX MAP 31 BLOCK 21 PARCEL '226' 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND REF.: S-01-06, P-02-27, WP-03-07 (APP. 11/05/02)



ROBERT H. VOGEL ENGINEERING, INC. ENGINEERS . SURVEYORS . PLANNERS 8407 MAIN STREET TEL: 410.461.7666 ELLICOTT CITY, MD 21043 FAX: 410.461.8961

ROBERT H. VOGEL, PE No.16193

DATE: SEPTEMBER 2003 AS SHOWN SCALE: 2017019.0 W.O. NO.:

11 SHEET 17

F-04-74

APPROVED: DEPARTMENT OF PLANNING AND ZONING

APPROVED: DEPARTMENT OF PUBLIC WORKS

Chief, Bureau of Highways

