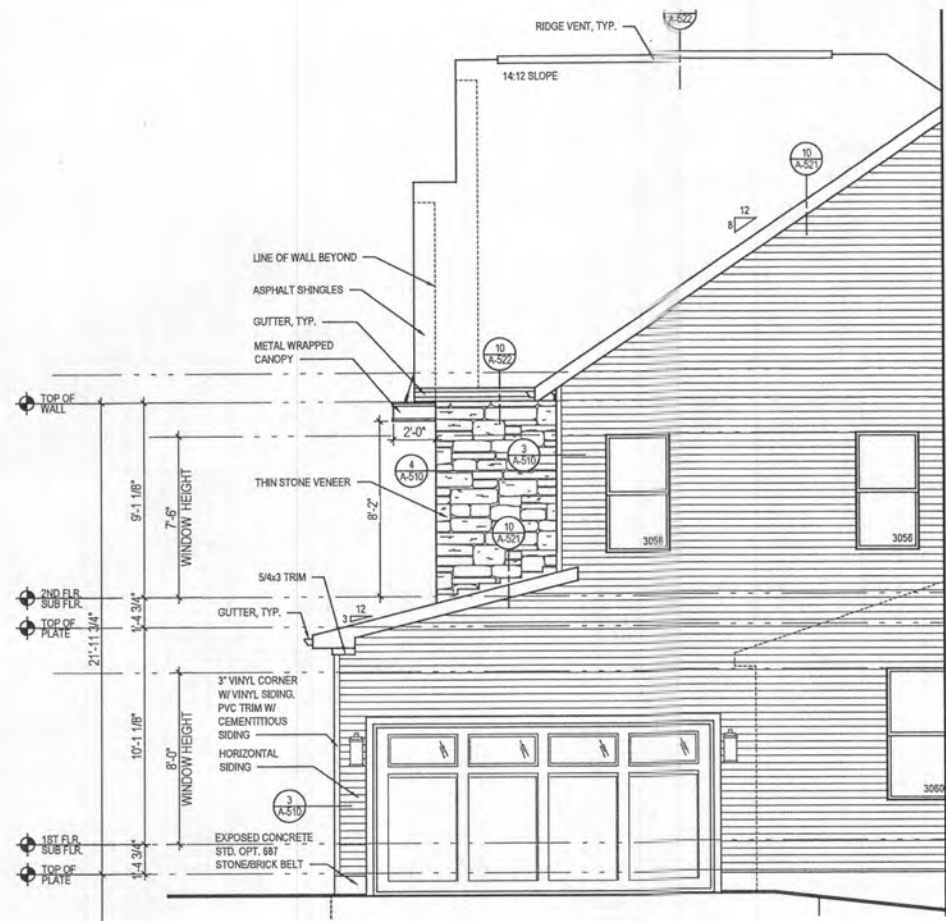
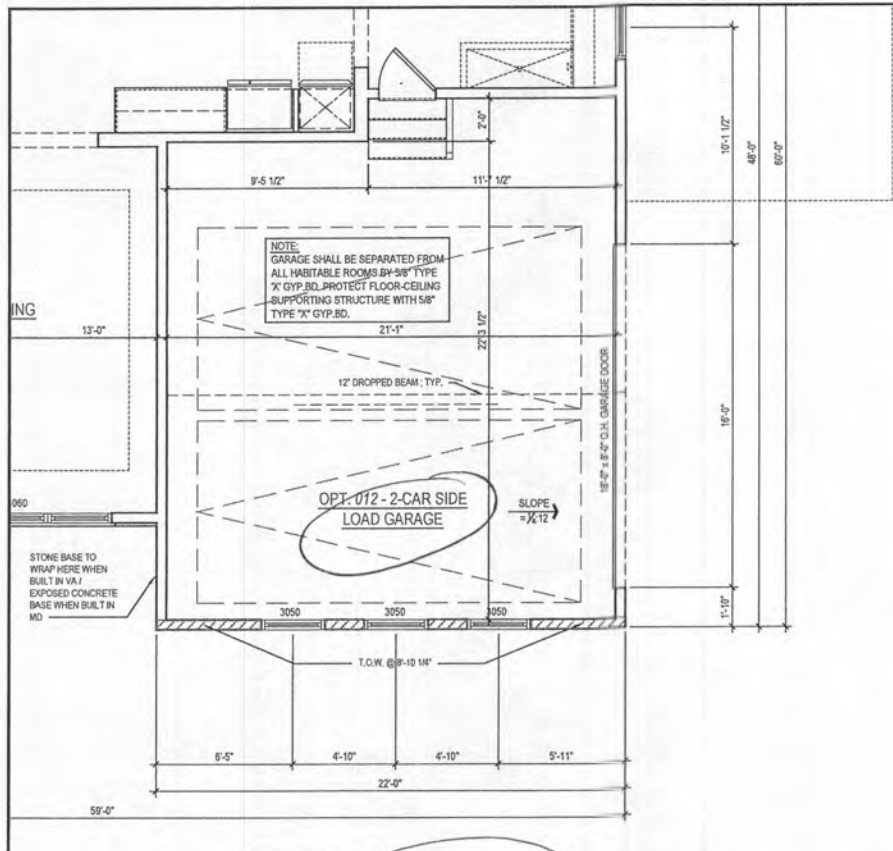


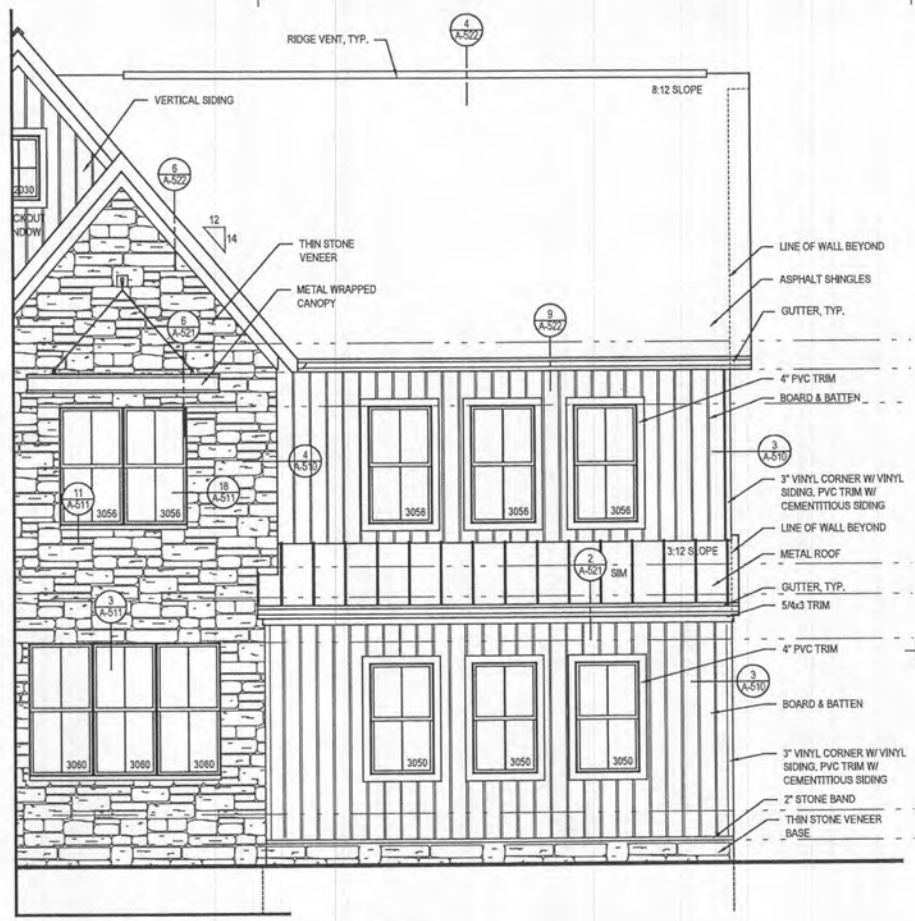
- GENERAL PLAN NOTES
- A. ALL WOOD STUD PARTITIONS NOT DIMENSIONED ARE TO BE 3 1/2" FOR INTERIOR AND 5 1/2" FOR EXTERIOR WALLS UNLESS OTHERWISE NOTED.
 - B. ALL INTERIOR DIMENSIONS ARE TO FACE OF STUDS.
 - C. ALL EXTERIOR DIMENSIONS ARE TO FACE OF STUDS.
 - D. ALL DIMENSIONS GOVERN OVER SCALE.
 - E. ALL SMOKE DETECTORS ARE TO BE WIRED IN SUCH A MANNER THAT ACTIVATION OF ONE WILL ACTIVATE THEM ALL.
 - F. ENCLOSED ACCESSIBLE SPACE UNDER STAIRS SHALL HAVE WALLS AND SOFFITS PROTECTED ON ENCLOSED SIDE WITH 1/2" GYPSUM BOARD.
 - G. ALL WINDOWS SIZE ARE NOTED IN FEET + INCHES AS MEASURED FROM SASH TO SASH.
 - H. REFER TO ELEVATIONS FOR WINDOW HEAD HEIGHTS.
 - I. ALL DOORS ARE TO BE 6'-8" HIGH UNLESS OTHERWISE NOTED.
 - J. WASHER ALWAYS TO BE ON LEFT SIDE OF DRYER.
 - K. DISHWASHER ALWAYS TO BE ON RIGHT SIDE OF SINK.



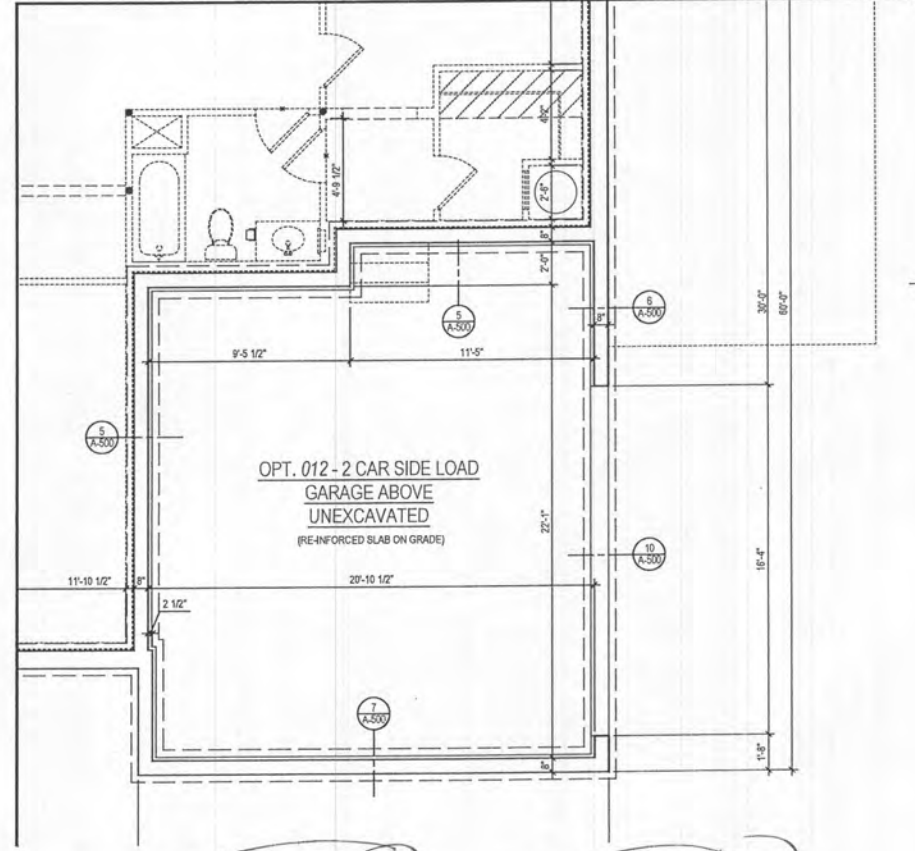
4 PART. RIGHT ELEVATION w/ OPT. 012 - SIDE LOAD GARAGE
A-400b SCALE: 1/4"=1'-0"
TOL081a_A400.dwg ELEV. 2 - MODERN FARMHOUSE - SHOWN



2 PART. FIRST FLOOR PLAN w/ OPT. 012 - SIDE LOAD GARAGE
A-400b SCALE: 1/4"=1'-0"
TOL081a_A400.dwg ELEV. 2 - MODERN FARMHOUSE - SHOWN



3 PART. FRONT ELEVATION w/ OPT. 012 - SIDE LOAD GARAGE
A-400b SCALE: 1/4"=1'-0"
TOL081a_A400.dwg ELEV. 2 - MODERN FARMHOUSE - SHOWN



1 PART. BASEMENT PLAN w/ OPT. 012 - SIDE LOAD GARAGE
A-400b SCALE: 1/4"=1'-0"
TOL081a_A400.dwg ELEV. 2 - MODERN FARMHOUSE - SHOWN

ARCHITECT:

lessard
DESIGN

8521 Leesburg Pike
Suite 700 | Vienna, VA 22182
P: 571.830.1800 | F: 571.830.1801
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SEAL & SIGNATURE:

OWNER:

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7164 COLUMBIA GATEWAY DRIVE
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P: 410.872.9105
CONTACT: MARK NOSAL
mnosal@tollbrothersinc.com

PROJECT NAME:

WILLOW CREEK
HOWARD COUNTY, MD

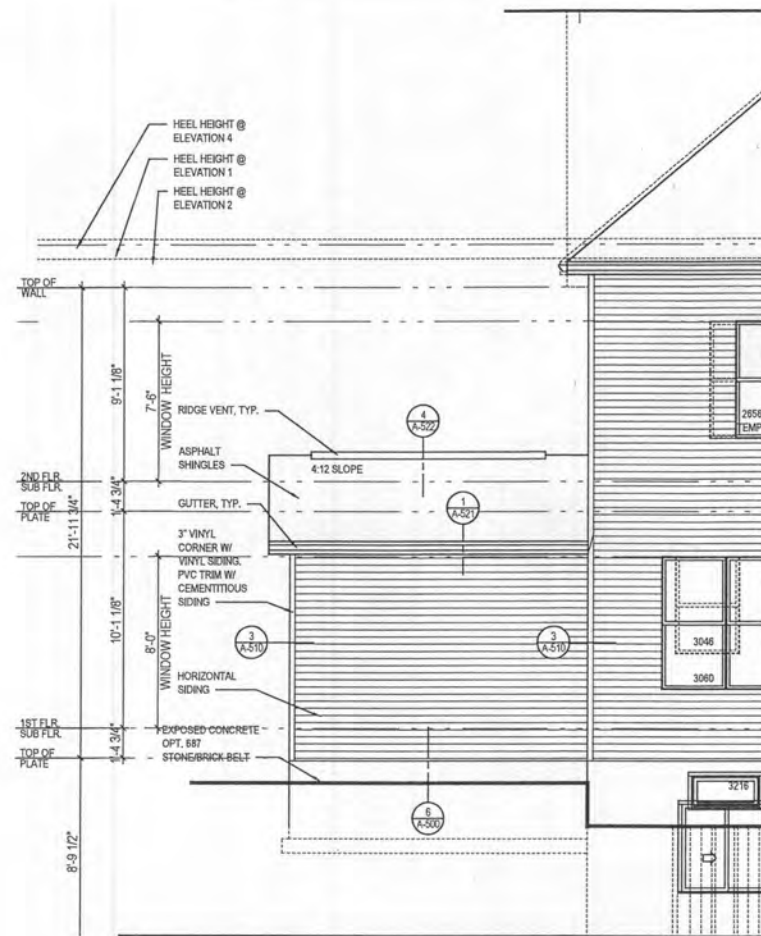
SHEET TITLE:

**RENWICK
OPTIONS**

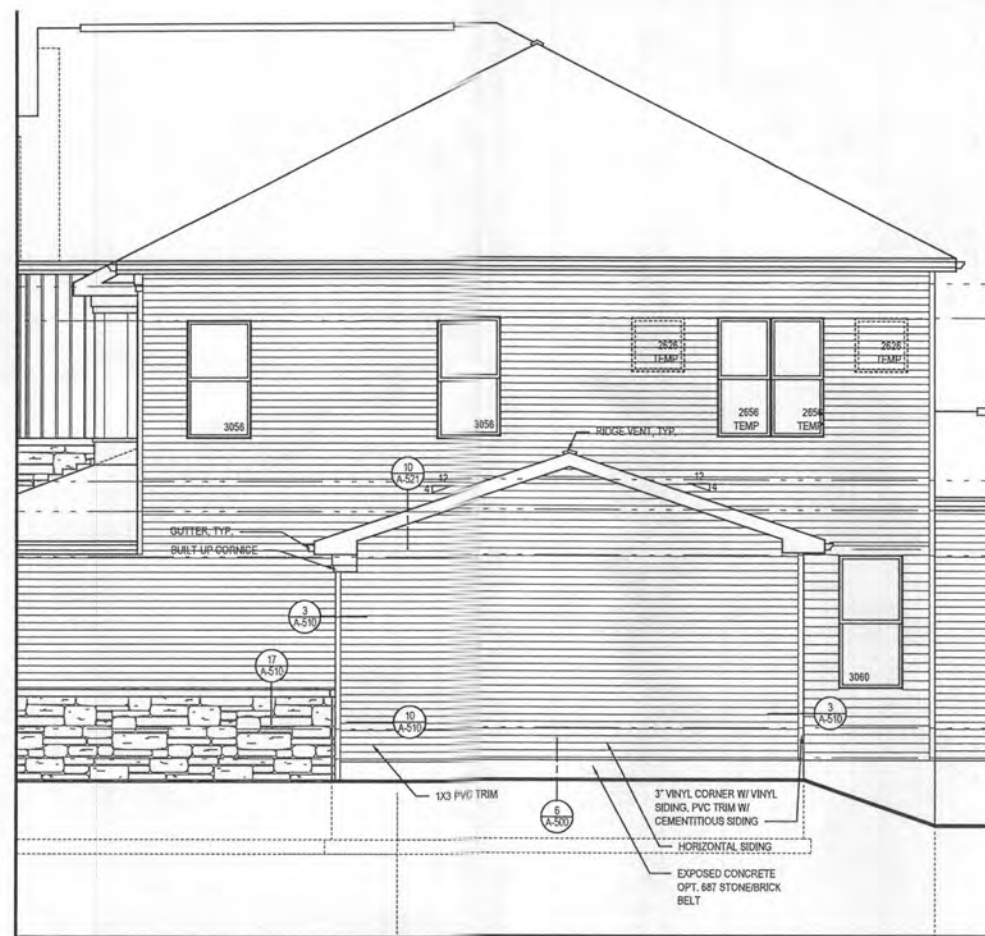
ISSUE / REVISION		
NO.	DESCRIPTION	DATE
1	BID SET	08.19.19
2	PERMIT SET	09.16.19

PROJECT NO: TOL081a
DRAWN BY: AC/RM
CHECKED BY: JH
PLOT DATE: Sep. 13, 2019
FILE NAME: TOL081a_A400.dwg

A-400b



6 PART. REAR ELEVATION w/ OPT. 263102 - ONE CAR GARAGE
 SCALE: 1/4"=1'-0"
 TOL081A_A401.dwg



5 PART. RIGHT ELEVATION w/ OPT. 263102 - ONE CAR GARAGE
 SCALE: 1/4"=1'-0"
 TOL081A_A401.dwg

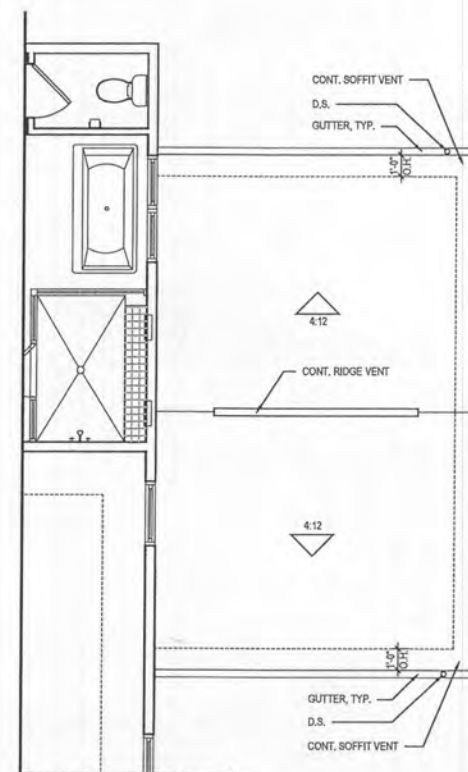


4 PART. FRONT ELEVATION w/ OPT. 263102 - ONE CAR GARAGE
 SCALE: 1/4"=1'-0"
 TOL081A_A401.dwg

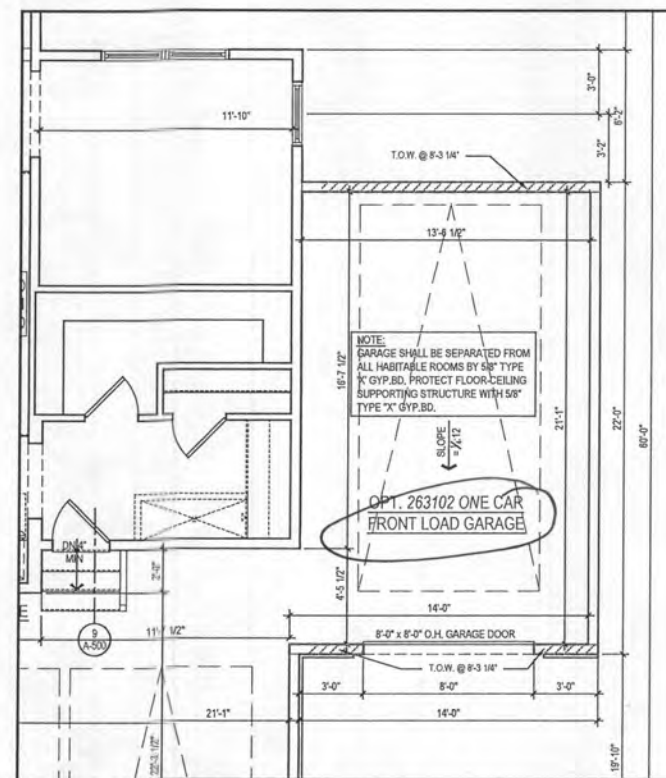
- GENERAL PLAN NOTES**
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 - DISHWASHER ALWAYS TO BE ON RIGHT SIDE OF SINK.

ROOF VENTILATION CALCULATIONS - ONE CAR GARAGE ROOF

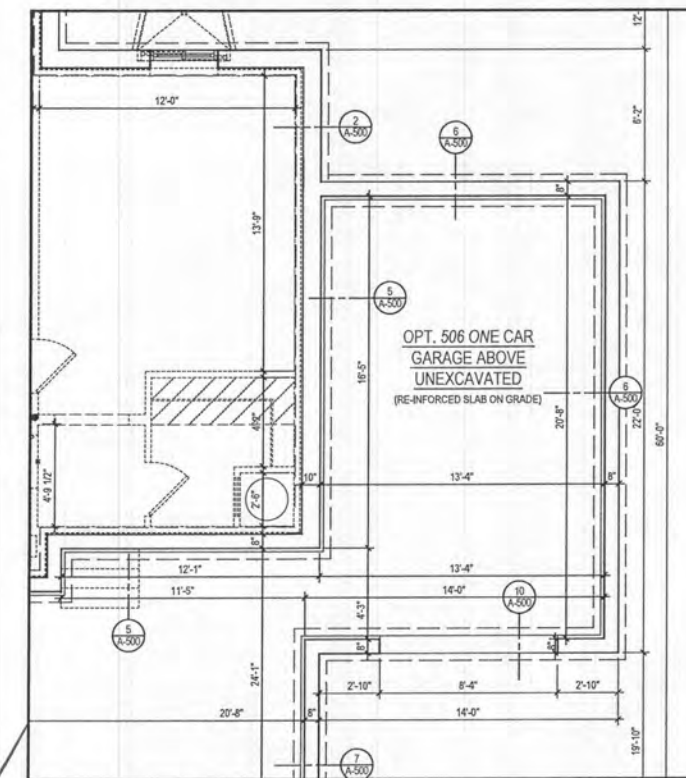
ROOF AREA	=	275.92 SQ. FT.
/300	=	0.92 SQ. FT.
x 12 x 12	=	132.44 SQ. IN.
50% (INTAKE)	=	66.22 SQ. IN.
SOFFIT VENT - REQUIRED (INTAKE @ 5.9 SQ. IN. / FT.)	=	11.22FT.
SOFFIT VENT - PROVIDED	=	51.08FT.
50% (OUTTAKE)	=	66.22 SQ. IN.
RIDGE VENT - REQUIRED (OUTTAKE @ 14.1 SQ. IN. / FT.)	=	4.70FT.
RIDGE VENT - PROVIDED	=	9.50FT.



3 PART. SECOND FLOOR PLAN w/ OPT. 263102 - ONE CAR GARAGE
 SCALE: 1/4"=1'-0"
 TOL081A_A401.dwg



2 PART. FIRST FLR PLAN w/ OPT. 263102 - ONE CAR GARAGE
 SCALE: 1/4"=1'-0"
 TOL081A_A401.dwg



1 PART. BASEMENT PLAN w/ OPT. 263102 - ONE CAR GARAGE
 SCALE: 1/4"=1'-0"
 TOL081A_A401.dwg



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WILLOW CREEK
 HOWARD COUNTY, MD
RENWICK
OPTIONS

PROJECT NAME:
 SHEET TITLE:

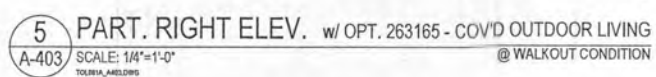
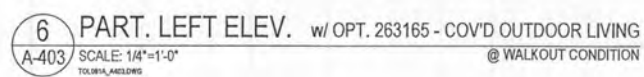
ISSUE / REVISION		
NO.	DESCRIPTION	DATE
1	BID SET	08.19.19
2	PERMIT SET	09.16.19

PROJECT NO: TOL081A
 DRAWN BY: AC/N
 CHECKED BY: AP
 PLOT DATE: Sep. 13, 2019
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A-401

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ROOF AREA	=	434.75 SQ. FT.
/ 300	=	1.45 SQ. FT.
x 12 x 12	=	208.68 SQ. IN.
50% (INTAKE)	=	104.34 SQ. IN.
SOFFIT VENT - REQUIRED (@ INTAKE @ 5.9 SQ. IN./ FT.)	=	17.68 FT.
SOFFIT VENT - PROVIDED	=	84.90 FT.
50% (OUTTAKE)	=	104.34 SQ. IN.
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WILLOW CREEK
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RENWICK
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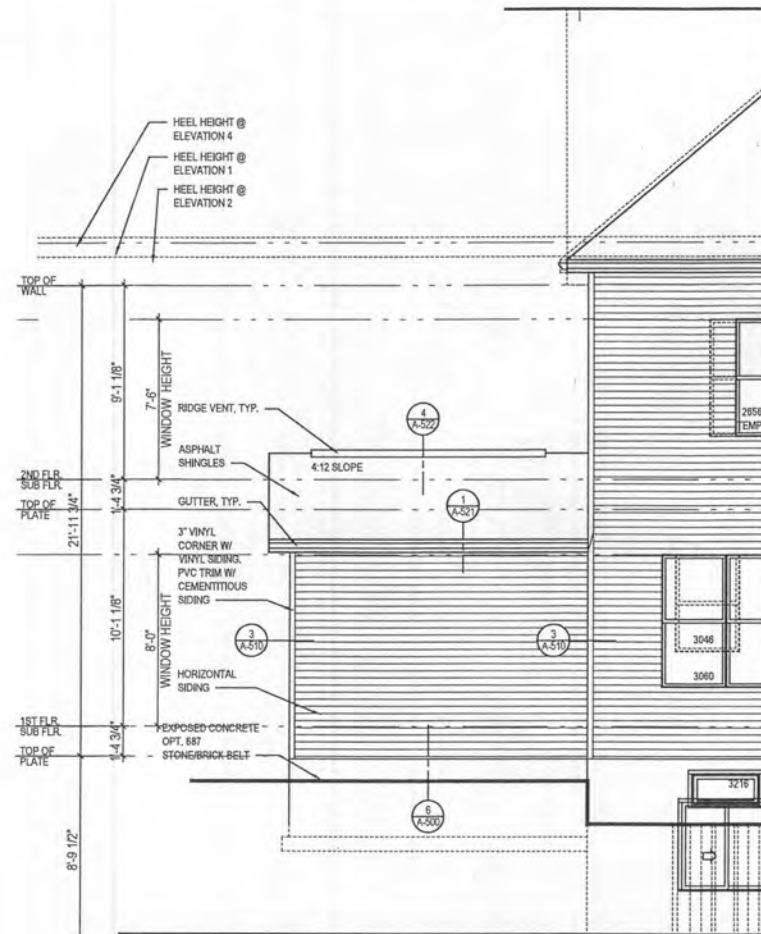
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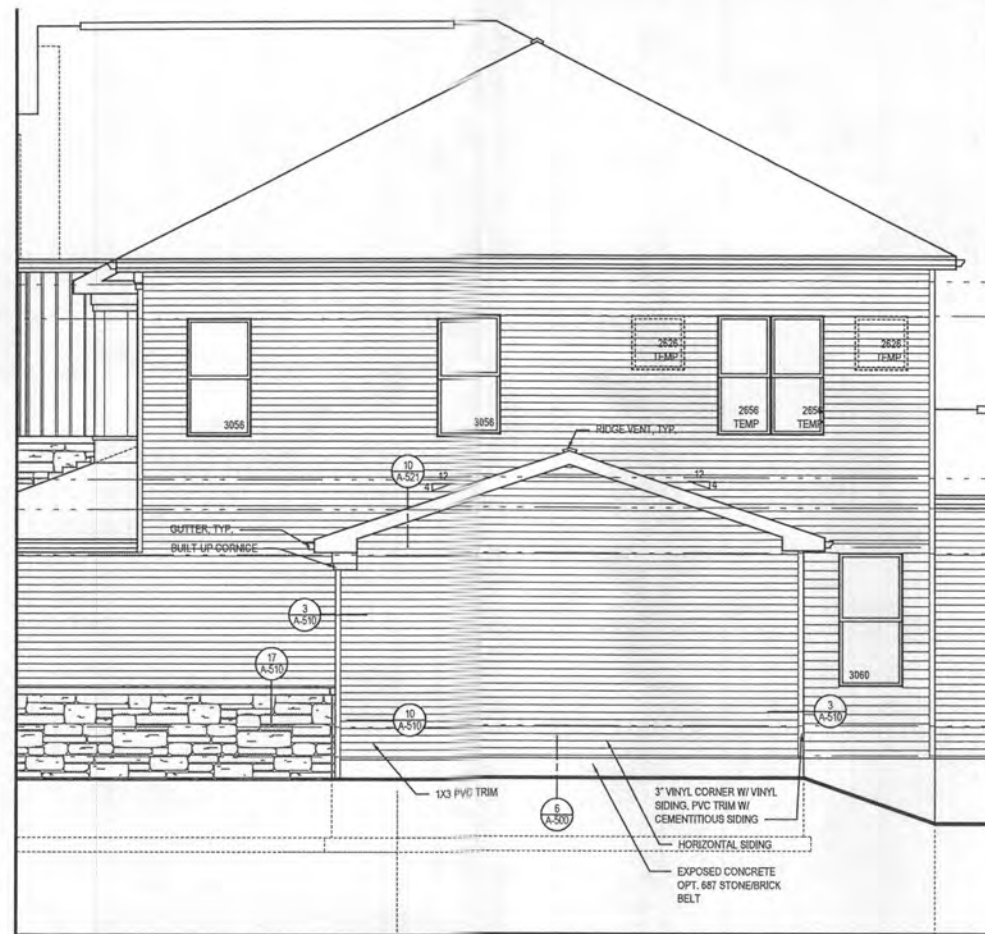
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PROJECT No:	TOL081a
DRAWN BY:	AC/
CHECKED BY:	
PLOT DATE:	Sep. 13, 20
FILE NAME:	TOL081a_A403.dwg

A-403



6 PART. REAR ELEVATION w/ OPT. 263102 - ONE CAR GARAGE
 SCALE: 1/4"=1'-0"
 TOL081A_A401.dwg



5 PART. RIGHT ELEVATION w/ OPT. 263102 - ONE CAR GARAGE
 SCALE: 1/4"=1'-0"
 TOL081A_A401.dwg

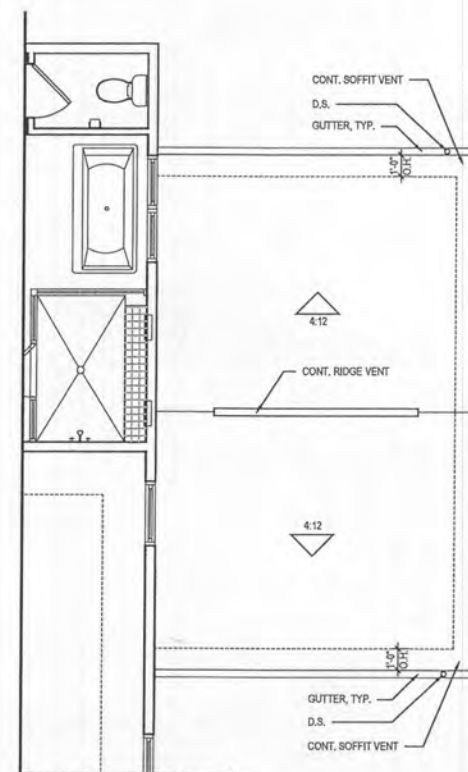


4 PART. FRONT ELEVATION w/ OPT. 263102 - ONE CAR GARAGE
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 TOL081A_A401.dwg

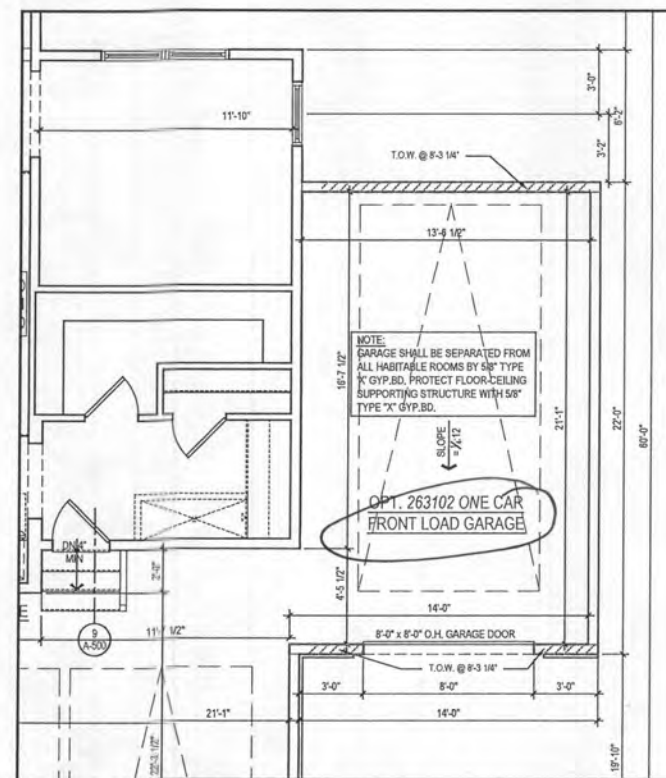
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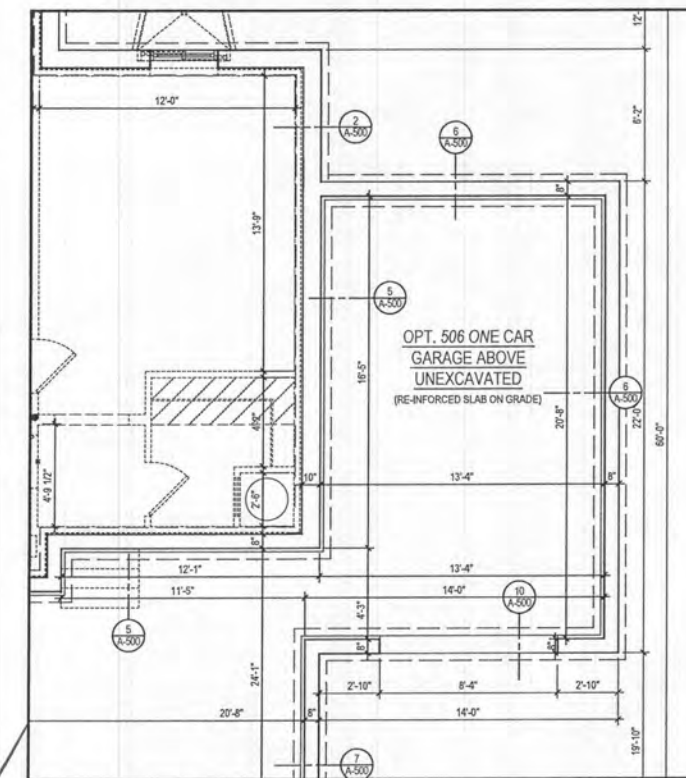
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 SCALE: 1/4"=1'-0"
 TOL081A_A401.dwg



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 SCALE: 1/4"=1'-0"
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1 PART. BASEMENT PLAN w/ OPT. 263102 - ONE CAR GARAGE
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 TOL081A_A401.dwg



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WILLOW CREEK
 HOWARD COUNTY, MD
RENWICK
OPTIONS

PROJECT NAME:

SHEET TITLE:

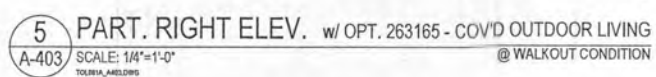
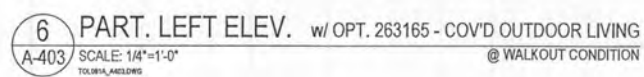
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PROJECT NO: TOL081A
 DRAWN BY: ACN
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A-401

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WILLOW CREEK
HOWARD COUNTY, MD

RENWICK
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PROJECT No:	TOL081a
DRAWN BY:	AC/
CHECKED BY:	
PLOT DATE:	Sep. 13, 20
FILE NAME:	TOL081a_A403.dwg

A-403

KINGS FOREST

FINAL PUBLIC SHARED SEPTIC PLANS

CONTRACT NO. 50-4866-D

QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUF./SUPPLIER
FLUSHING CONNECTIONS	7			
1.25" LOW PRESSURE LATERAL PIPE	300			
2.0" LOW PRESSURE SEWER SEWER	2,566			
4" PVC SEWER	353			
MANHOLE	2			
3000 GALLON SEPTIC TANK	1			
SIMPLEX GRINDER PUMP	2			
DUPLEX GRINDER PUMP	2			
1/16 HB	1			
1/8 HB	7			
MONITORING WELL	2			
CONC. VAULT w/CONDUCTING ROD	4			
6700 GALLON DOSE TANK	1			
DOSE PUMPS	3			
AIR RELEASE VALVE	1			
4500 GALLON BIO-MICROBICS TANK	1			
3" WIDE TRENCH	1824			
NAME OF UTILITY CONTRACTOR:				
SURVEY AND DRAFTING DIVISION AS-BUILT DATE:				

LEGEND

EXISTING STRUCTURE	
PROPOSED STRUCTURE	
SEWAGE DISPOSAL AREA	
PROPOSED WELL-BOX	
STREAM	
LOW PRESSURE SEWER (LPS)	
SEPTIC TANK	
DRAINFIELD DIVIDE	
SEPTIC TRENCH	
CONTINUITY TEST STATION (C.T.S.)	
FOREST CONSERVATION EASEMENT	
20% AND GREATER SLOPES	
25% AND GREATER SLOPES	
FENCE LINE	

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

HOWARD SOIL CONSERVATION DISTRICT DATE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE HOWARD COUNTY STANDARD SPECIFICATIONS AND AS PER F-19-014.

APPROVED:
APPROVED FOR PRIVATE WATER AND SHARED SEPTIC SYSTEM FOR LOTS 16, 21-25, & NON-BUILDABLE PRESERVATION PARCEL B, AND PRIVATE WATER & SEWER FOR LOTS 1-15, 17-20 & 26-36, BUILDABLE PRESERVATION PARCEL D, NON-BUILDABLE PRESERVATION PARCELS A, B, C & E-I

COUNTY HEALTH OFFICER DATE

****MAXIMUM NUMBER OF BEDROOMS FOR EACH HOUSE ON LOTS 16, 21-25 SHALL BE FIVE (5).**
****ALL SEWAGE GRINDER PUMPS ARE TO BE PUBLICLY OWNED AND MAINTAINED**

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

BENCHMARK
ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE SUITE 315
ELICOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 FAX: 410-465-6644

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. 45577, Expiration Date: 06-08-2020.



DESIGN: JC					
DRAFT: JC					
CHK: -					
DATE: 11-26-19	BY	NO.	REVISIONS	DATE	

TYPE OF BUILDING:	SFD
NO. OF LOTS/PARCELS/UNITS:	6
NUMBER OF SHC'S:	6
NUMBER OF WHC'S:	NA
DRAINAGE AREA:	LITTLE PATUXENT
WATER ZONE:	NA
TEST GRADIENT:	NA

OWNERS:
NATALIE ZIEGLER
4288 MANOR LANE
ELICOTT CITY, MARYLAND 21042

JONATHAN IAN SCHWARTZ,
JESSICA AND SOPHIE ZIEGLER
C/O SOPHIE ZIEGLER
230 DOLORES STREET
SAN FRANCISCO, CA 94110
212-877-8697

DEVELOPER:
TOLL BROS., INC.
7164 COLUMBIA GATEWAY DRIVE
SUITE 230
COLUMBIA, MD 21046
410-381-3263

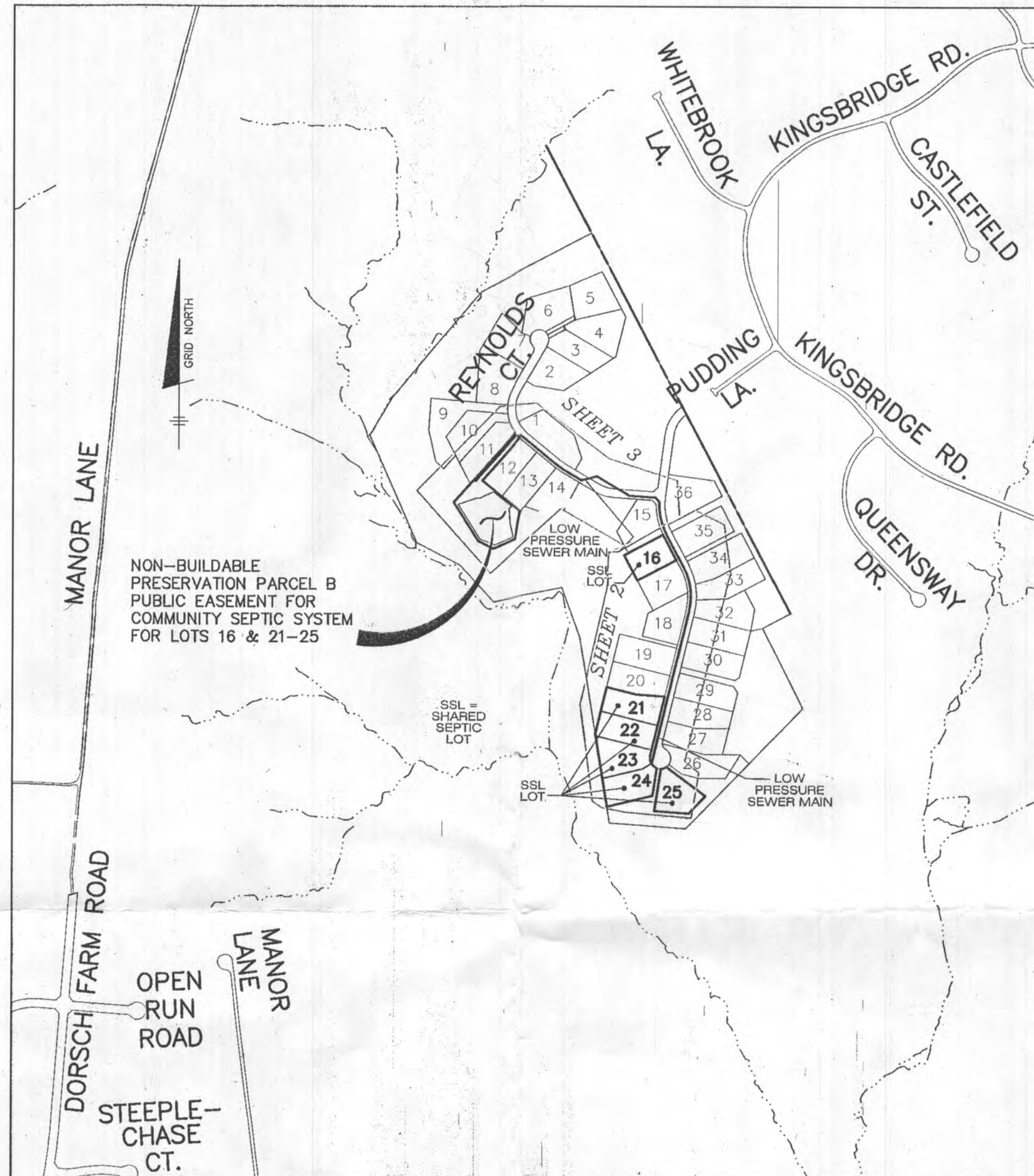
FINAL PUBLIC SHARED SEPTIC
SYSTEM PLANS
TITLE SHEET

KINGS FOREST
LOTS 16, 21 thru 25 and
NON-BUILDABLE PRESERVATION PARCEL 'B'
TAX MAP: 23 - BLOCK: 23 - PARCEL: 148 - ZONED: RC-DEO - ELECTION DISTRICT: 2

CONTRACT NO. 50-4866-D

SCALE:
AS SHOWN

SHEET NO.
1 OF 11



LOCATION MAP

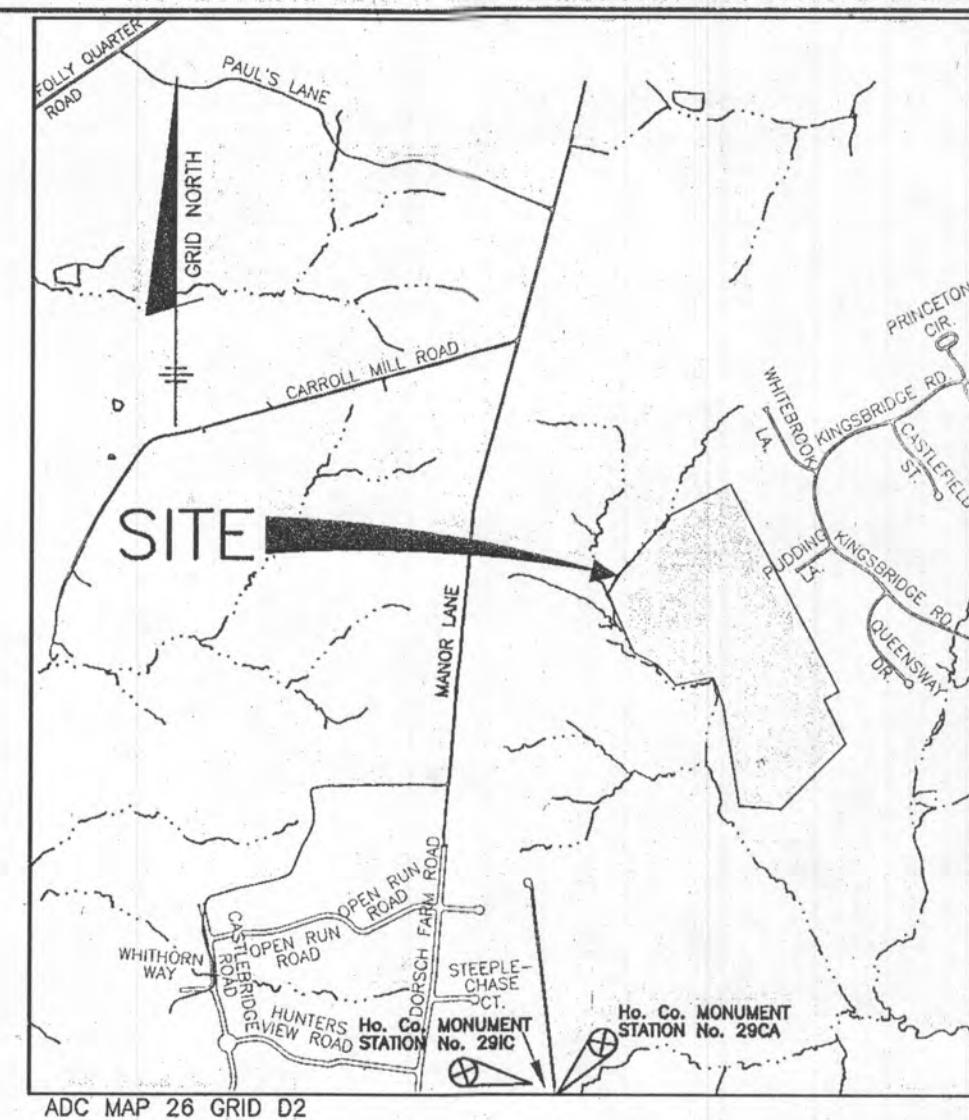
SCALE: 1" = 600'
ADC MAP PAGE: 26,
GRID: D2

- #### SHARED SEPTIC SYSTEM NOTES:
- WELLS ON THE LOTS SURROUNDING THE COMMON SHARED SEPTIC AREAS SHALL BE TESTED FOR BACKGROUND LEVELS OF CONTAMINANTS TO BE SPECIFIED BY THE DEPARTMENT OF PUBLIC WORKS PRIOR TO PUTTING THE SHARED SEPTIC SYSTEM IN SERVICE.
 - THE BUILDER SHALL INSTALL BACKFLOW PREVENTER AND RELIEF VENT ON THE SEWER SERVICE AT THE HOUSE, AT THE TIME OF THE HOUSE CONSTRUCTION OR AS REQUIRED BY THE PLUMBING INSPECTOR.
 - INSTALLATION OF GRINDER PUMPS AND APPURTENANCES, AND THE 4" PVC SEWER HOUSE CONNECTIONS (SHC) SHALL BE THE RESPONSIBILITY OF THE DEVELOPER.
 - ALL PRESSURE SEWER SHALL BE SDR 26 PVC OR HOPE EQUIVALENT. SDR 26 PVC PIPE SHALL BE SOLVENT WELDED EXCEPT PORTIONS WITHIN 50 FEET OF A WELL. IN THOSE INSTANCES THE SEWER SHALL BE HOTSP 50R11. A 6 GAUGE TRACER WIRE SHALL BE WRAPPED AROUND OR ATTACHED TO THE PVC PIPE.
 - SEPTIC TANKS SHALL BE VACUUM OR WATER TESTED ON-SITE BY THE MANUFACTURER. SEPTIC TANK SHOP DRAWINGS FROM THE MANUFACTURER SHOULD BE SUBMITTED TO THE HOWARD COUNTY ENVIRONMENTAL HEALTH DEPARTMENT PRIOR TO ISSUANCE OF SHARED SEPTIC SYSTEM PERMIT.
 - ALL PRESSURE SEWER IS TO BE PRESSURE TESTED ACCORDING TO THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS STANDARDS AND SPECIFICATIONS.
 - THE CONTRACTOR SHALL NOTIFY HOWARD CO. HEALTH DEPARTMENT AT 410-313-1771 AT LEAST FIVE (5) WORKING DAYS BEFORE ANY PRESSURE TEST OF PRESSURE SEWERS, AND ANY SEPTIC TANKS VACUUM OR WATER TESTING IS PERFORMED.
 - OBSERVATION WELLS TO BE INSTALLED AFTER TRENCH INSTALLATION IS COMPLETED.
 - LOTS WITH "CELLAR NOT SERVICED VIA GRAVITY" IS INDICATED, EJECTOR PUMPS LOCATED INSIDE THE BASEMENT ARE REQUIRED IN ORDER TO SERVICE THE CELLAR, FIRST FLOOR SERVICE IS PROVIDED BY GRAVITY.
 - TRENCH REQUIREMENTS, SEPTIC PRETREATMENT, AND TANK CAPACITY IS OUTLINED ON HYDRO-TERRA DESIGN ON SHEETS 9-14.

DMW2 19-015

DESIGN MANUAL WAIVER DESCRIPTIONS

- ON APRIL 12, 2019 THE DEPUTY DIRECTOR OF THE DEPARTMENT OF PUBLIC WORKS APPROVED A DESIGN MANUAL WAIVER TO DESIGN MANUAL VOLUME II, SECTIONS 4.3.3.b.3.4, 4.5.2.2 AND 4.5.5 WHICH REQUIRES ALL SEWER HOUSE CONNECTIONS TO BE INSTALLED AT THE REQUIRED DEPTHS TO PROVIDE GRAVITY SERVICE TO THE CELLAR OF EACH LOT. THE APPROVAL OF THIS WAIVER ALLOWS LOTS 22 AND 34 TO PROVIDE AN EJECTOR PUMP FOR BASEMENT SERVICE.
- THIS DESIGN MANUAL WAIVER WAS EXPANDED TO INCLUDE A WAIVER OF SECTION 5.4.8.5 FOR THE SEPARATION DISTANCE BETWEEN A STRUCTURE AND A PUBLIC SEWER EASEMENT WHICH WAS APPROVED BY A REVISED APPROVAL LETTER DATED JULY 5, 2019. THE APPROVAL OF THIS WAIVER ALLOWS THE EASEMENT SETBACK REQUIREMENT TO 1.3' AND 4.0' IN TWO SPECIFIED LOCATIONS OF THE STREAM CROSSING WINGWALL FOOTERS.



VICINITY MAP

SCALE: 1" = 2000'

NOTE: ALL JOINTS AND CONNECTIONS LOCATED WITHIN STRUCTURAL FILL AREAS SHALL BE MECHANICALLY RESTRAINED IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION)

GENERAL NOTES

PART I

1. APPROXIMATE LOCATIONS OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

2. TOPOGRAPHIC FIELD SURVEYS WERE PERFORMED IN MAY, 2007 BY SILL, ADCOCK & ASSOCIATES AND IN FEBRUARY, 2003 BY BENCHMARK ENGINEERING, INC.

3. HORIZONTAL AND VERTICAL SURVEY CONTROLS:

THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD 83/91 AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 50BA AND NO. 0015.

ALL VERTICAL CONTROLS ARE BASED ON NAVD '88. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS ARE 50BA AND 0015.

4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.

5. CLEAR ALL UTILITIES BY A MINIMUM OF 12 INCHES. CLEAR ALL POLES BY 5'-0" MINIMUM OR TUNNEL AS REQUIRED UNLESS OTHERWISE NOTED. THE OWNER HAS CONTACTED THE UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR THE BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONIES OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.

6. FOR DETAILS NOT SHOWN ON THE DRAWING, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION). THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB.

7. WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL AT THE LOCATIONS OF THE TEST PITS. A NOTE OR NOTES CONTAINING THE RESULTS OF THE TEST PIT OR PITS IS INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE NOT BEEN Laid SHALL BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.

8. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

AT&T.....	1-800-252-1133
BGE (CONTRACTOR SERVICES).....	410-637-8713
BGE (EMERGENCY).....	410-685-0123
BUREAU OF UTILITIES.....	410-313-4900
COLUMBIA PIPELINE CO.....	410-785-1390
MISS UTILITY.....	1-800-257-7777
STATE HIGHWAY ADMINISTRATION.....	410-531-5533
VERICON.....	1-800-743-0033/410-224-9210

9. TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.

10. THE CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.

11. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410)-313-7450 AT LEAST FIVE WORKING DAYS BEFORE OPEN CUTTING OR BORING/JACKING OF ANY COUNTY ROAD FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.11(a) OF THE HOWARD COUNTY CODE.

PART III SEWER

1. ALL SEWER MAINS SHALL BE D.I.P. OR P.V.C. UNLESS OTHERWISE NOTED.

2. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.

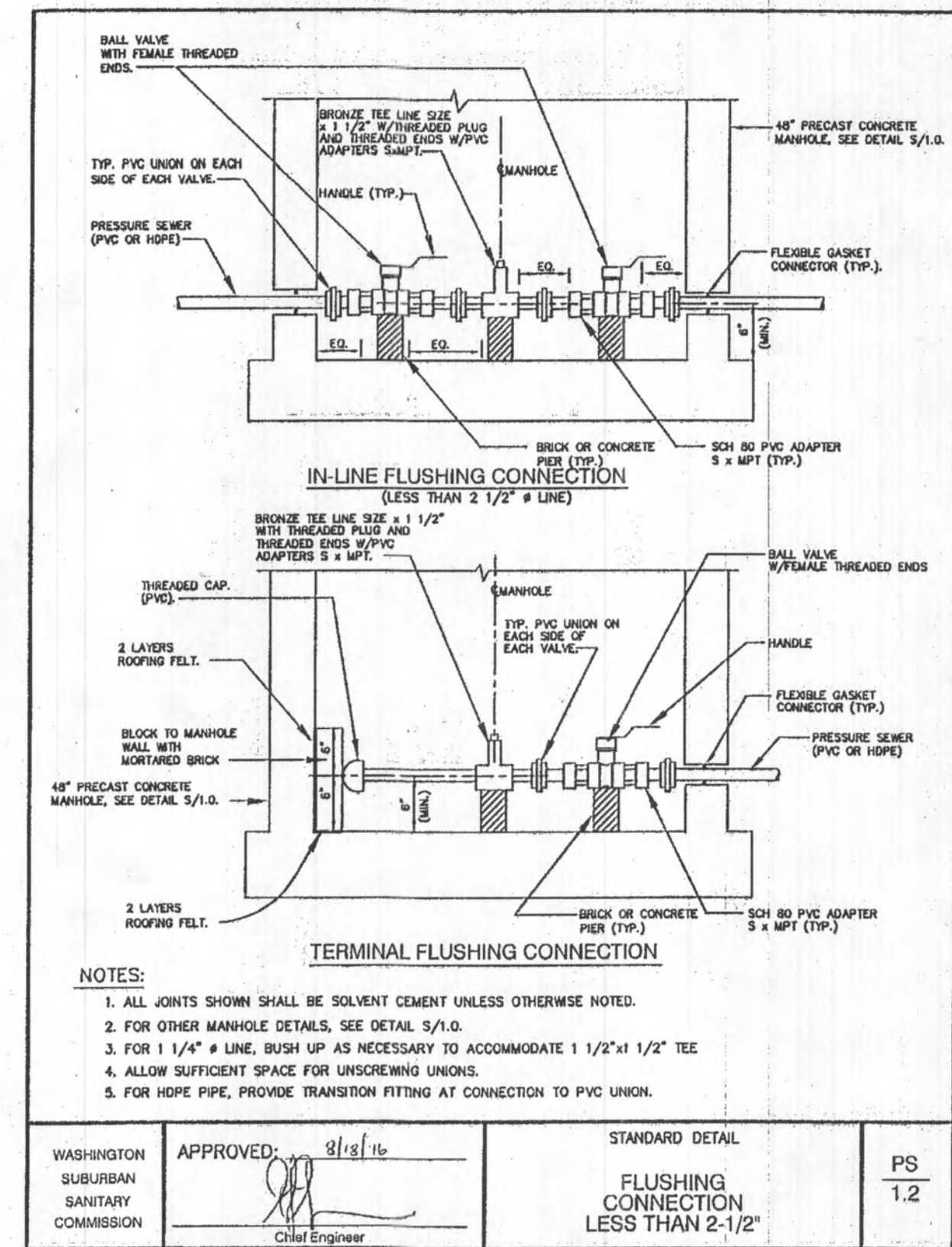
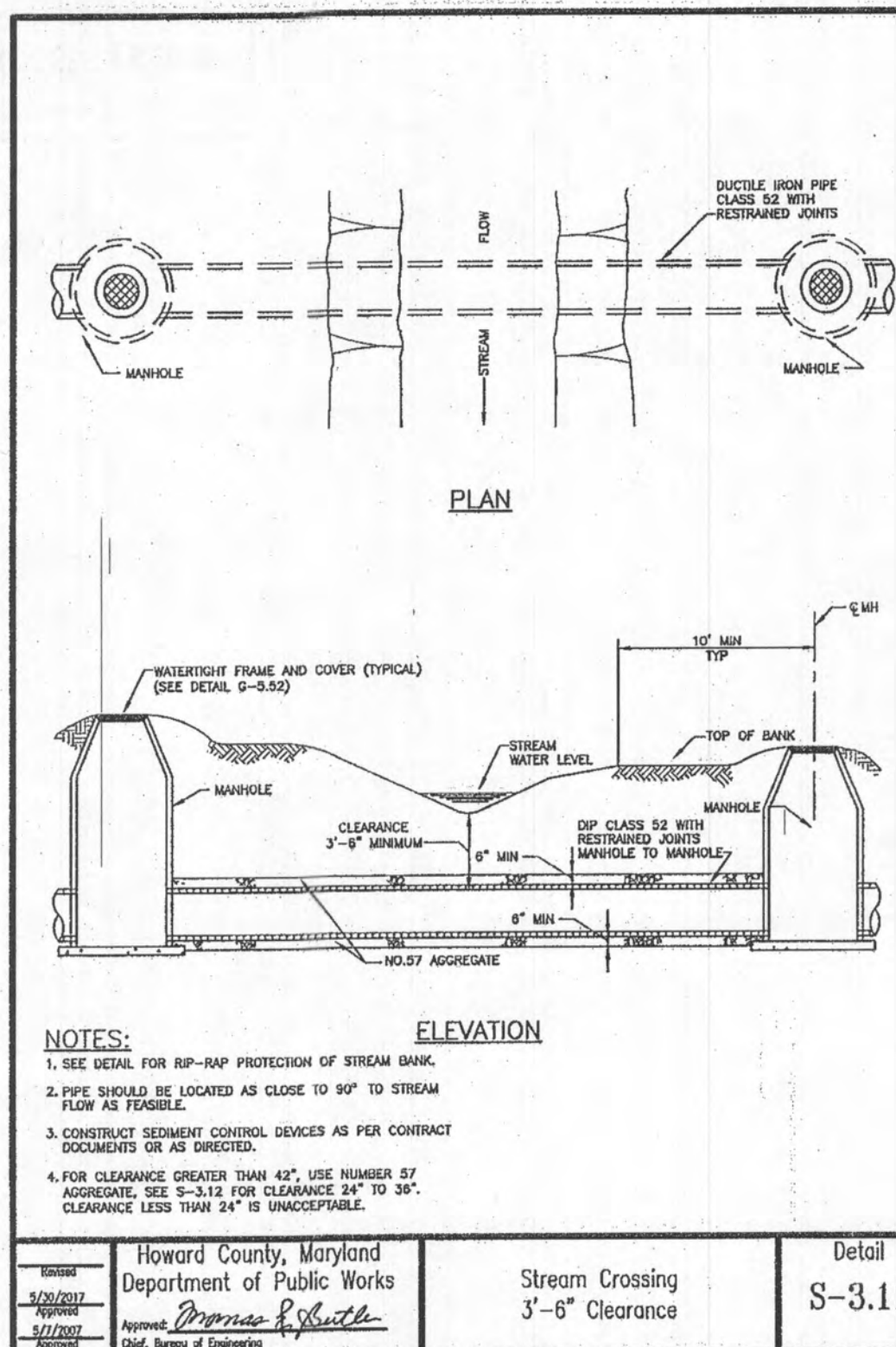
3. LOW PRESSURE SEWERS SHALL BE SDR 21 OR HOPE EQUIVALENT.

4. MANHOLES SHOWN WITH 12" AND 18" WALLS ARE FOR BRICK MANHOLES ONLY.

5. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERIGHT FRAME AND COVER, STANDARD DETAIL CS-52, WHERE WATERIGHT MANHOLE FRAMES AND COVERS ARE USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.

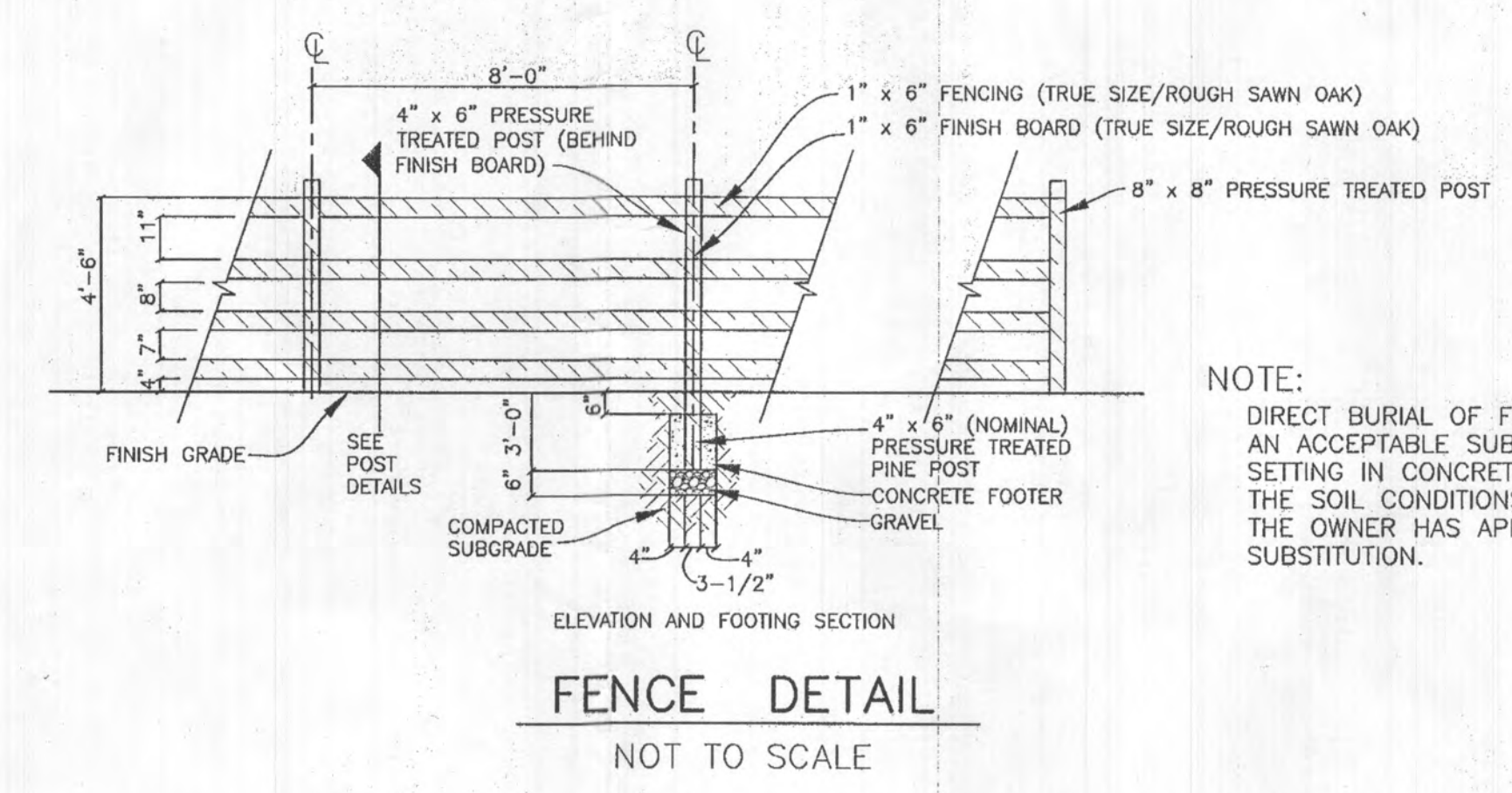
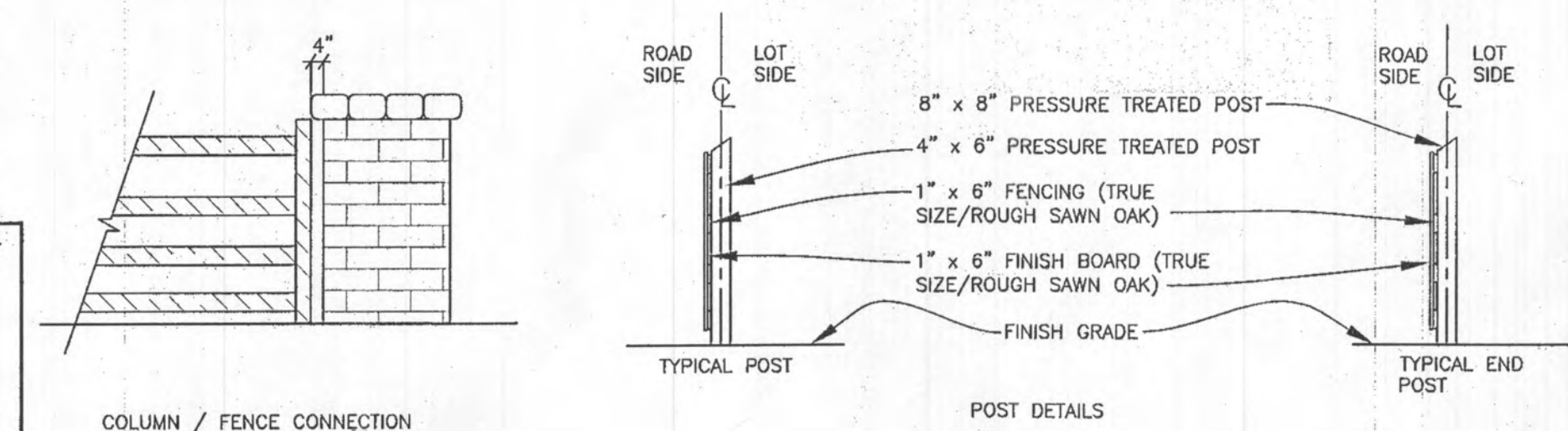
6. HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.

7. THE DEVELOPER SHALL PROVIDE ONE SPARE GRINDER PUMP TO THE BUREAU OF UTILITIES UPON DEDICATION OF THE SHARED SEPTIC SYSTEM TO THE COUNTY.

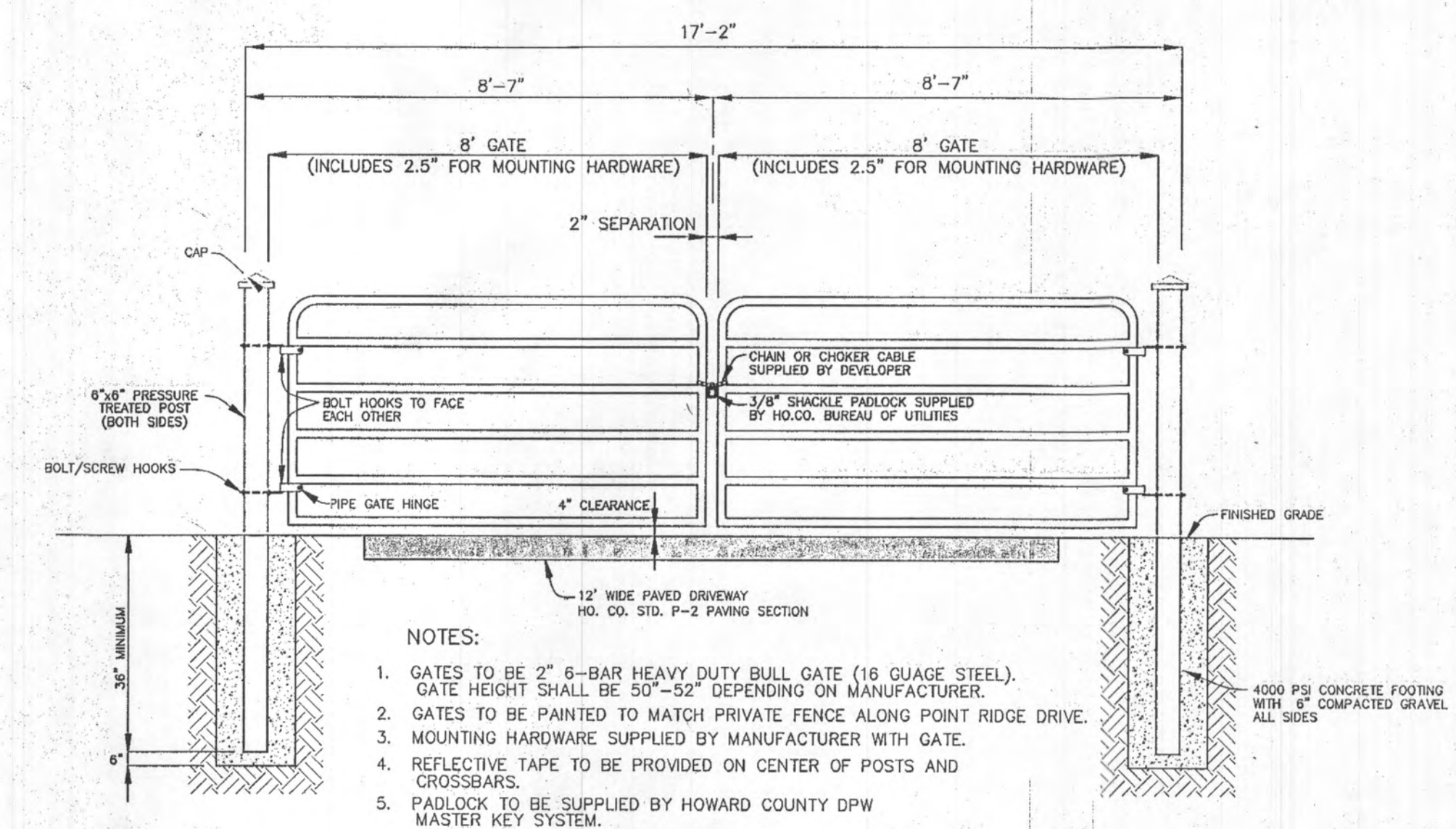


ENVIRONMENT ONE GRINDER PUMP DATA TABLE								
LOTS	TOP ELEV.	GRINDER PUMP BASIN BOTTOM ELEV.	DEPTH	INLET ELEV.	DISCHARGE ELEV.	ANTI-FLOAT VOLUME	ANTI-FLOAT DIMENSIONS	REMARKS
16	446.8	436.8	10.00' (120")	440.9	444.3	44.27 C.F.	5.25'x5.25'x2.33'	HO. CO. STANDARD SIMPLEX
21 & 22	418.1	408.1	10.00' (120")	412.0	415.6	45.34 C.F.	5.0'x5.0'x2.79'	HO. CO. STANDARD DUPLEX
23 & 24	408.0	398.0	10.00' (120")	402.0	405.5	45.34 C.F.	5.0'x5.0'x2.79'	HO. CO. STANDARD DUPLEX
25	406.5	396.5	10.00' (120")	400.0	404.0	44.27 C.F.	5.25'x5.25'x2.33'	HO. CO. STANDARD SIMPLEX

NOTE: SEE MANUFACTURER'S MANUAL FOR GRINDER PUMP INSTALLATION REQUIREMENT, PROCEDURE, AND ELECTRICAL CONNECTION.



FENCE DETAIL
NOT TO SCALE



GATE DETAIL
NOT TO SCALE

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

HOWARD SOIL CONSERVATION DISTRICT DATE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE HOWARD COUNTY STANDARD SPECIFICATIONS AND AS PER F-19-014.

APPROVED:
APPROVED FOR PRIVATE WATER AND SHARED SEPTIC SYSTEM FOR LOTS 16, 21-25, & NON-BUILDABLE PRESERVATION PARCEL B, AND PRIVATE WATER & SEWER FOR LOTS 1-15, 17-20 & 26-36, BUILDABLE PRESERVATION PARCEL D, NON-BUILDABLE PRESERVATION PARCELS A, B, C & E-1

COUNTY HEALTH OFFICER DATE

****MAXIMUM NUMBER OF BEDROOMS FOR EACH HOUSE ON LOTS 16, 21-25 SHALL BE FIVE (5).**

****ALL SEWAGE GRINDER PUMPS ARE TO BE PUBLICLY OWNED AND MAINTAINED**

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. 45577, Expiration Date: 06-08-2020.

OWNERS:
NATALIE ZIEGLER
4288 MANOR LANE
ELLICOTT CITY, MARYLAND 21042

DEVELOPER:
TOLL BROS., INC.
7164 COLUMBIA GATEWAY DRIVE
SUITE 230
COLUMBIA, MD 21046
410-381-3263

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND	BENCHMARK ENGINEERS & LAND SURVEYORS & PLANNERS ENGINEERING, INC. 8480 BALTIMORE NATIONAL PIKE & SUITE 315 ELLICOTT CITY, MARYLAND 21043 PHONE: 410-465-6105 FAX: 410-465-6644	DESIGN: JC DRAFT: JC CHK: - DATE: 11-26-19	FINAL PUBLIC SHARED SEPTIC SYSTEM PLANS CONSTRUCTION DETAILS, AND NOTES	KINGS FOREST LOTS 16, 21 thru 25 and NON-BUILDABLE PRESERVATION PARCEL 'B' TAX MAP: 23 - BLOCK: 23 - PARCEL: 148 - ZONED: RC-DEO - ELECTION DISTRICT: 2 CONTRACT NO. 50-4866-D	SCALE: AS SHOWN SHEET NO. 7 OF 11
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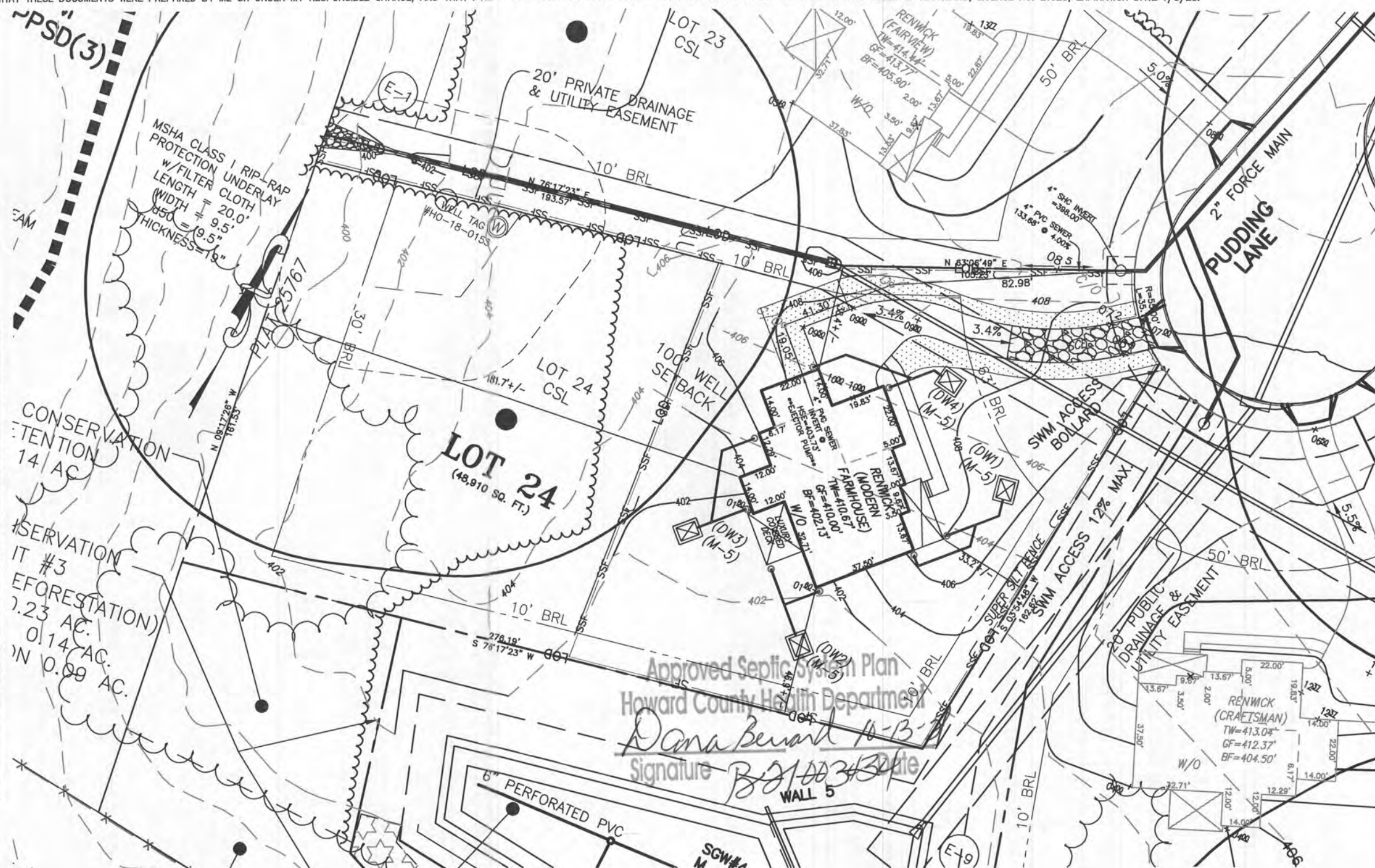
LEGEND:

WELL BOX AREA
PROPOSED TREE
PROPOSED TREE
PROPOSED TREE

NOTE:
TOTAL LIMITS OF DISTURBANCE (LOD) = 28,746 SQ. FT.



BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPEMENT PLAN
SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.



TWO CAR SIDE ENTRY GARAGE
FINISHED LOWER LEVEL
WALK-OUT BASEMENT
ADDITIONAL BATH FINISHED LOWER LEVEL
WET BAR FOR LOWER LEVEL
MEDIA ROOM
ADDITIONAL ONE CAR FRONT ENTRY GARAGE 14'
LUXURY COVERED DECK

OPTION No. 012
OPTION No. 013
OPTION No. 017
OPTION No. 383
OPTION No. 561
OPTION No. 562
OPTION No. 263102
OPTION No. 263169

WELL NUMBER: H0-18-0153

ADDRESS: 10540 PUDDING LANE
ELLICOTT CITY, MD 21042

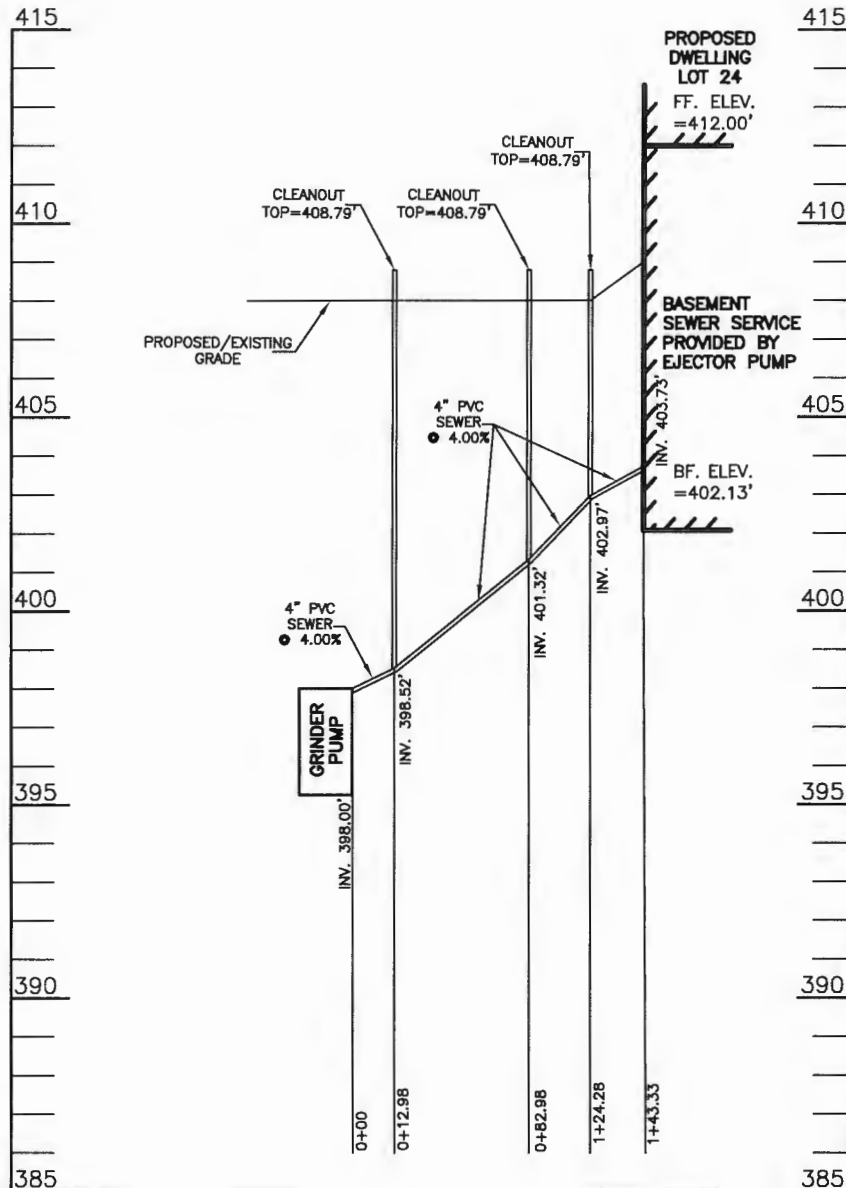
PERMIT PLOT PLAN
LOT 24
KINGS FOREST
LIBER 11372, FOLIO 431
PLAT NO. 25767
2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

ESE CONSULTANTS

ENGINEERING • PLANNING • SURVEYING • ENVIRONMENT

ESE Consultants, Inc.
7164 Columbia Gateway Drive • Suite 230 • Columbia, MD 21046
T: 410-872-9105

DATE: 08/24/2021 SCALE: 1" = 40' FILE: PP LOT 24 - PARKHURST M.F.
CHK'D: M.J.B. JOB NO: 3502 DRAWN: T.B.Q.



Approved Septic System Plan
Howard County Health Department

D. Bernard 10-13-21
Signature Date
B210B434

SEPTIC EXHIBIT

KINGS FOREST
LOT 24
F-19-014

10540 PUDDING LANE
(Liber 11372, Folio 431)
PLAT NO. 25767

ELECTION DISTRICT NO. 2
HOWARD COUNTY, MARYLAND

DATE: AUGUST 30, 2021
SCALE 1" = 50'

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Tel: 410-872-9105 • Fax: 410-872-4870