

SHEET INDEX	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	EXISTING CONDITIONS PLAN
3	SUPPLEMENTAL PLAN
4	LANDSCAPE PLAN & DETAILS
5	NOTES AND DETAILS

SOILS LEGEND			
SOIL	NAME	CLASS	'K' VALUE
GbC	Gládetone loam, 8 to 15 percent slopes	B	0.32
GbB	Gládetone-Urban land complex, 0 to 8 percent slopes	B	0.32

SWM PRACTICE CHART						
LOT No.	FACILITY NAME & NUMBER	PRACTICE TYPE & QUANTITY	PUBLIC	PRIVATE	H2A	MISC.
1	5972 Trotter Road (RIGHT-OF-WAY)	NON-ROOFTOP DISCONNECTION (1)	YES	NO	NO	
2	5972 Trotter Road DRIVEWAY	PERMISSIBLE PAVING (1 AREA)	NO	YES	NO	
	ROOFTOP	(M-5) 1-4	NO	YES	NO	

STREET ADDRESS CHART	
LOT No.	ADDRESS
1	5972 TROTTER ROAD
2	5976 TROTTER ROAD

**FOREST CONSERVATION WORKSHEET (R-20)**

Net Tract Area  
 A.Total (Gross) Tract Area A = 1.00  
 B.Area within 100-year Floodplain B = 0.00  
 C.Total Deductions (Identify) C = 0.00  
 D.Net Tract Area D = 1.00

Land Use Category: Institutional  
 E.Afforestation Threshold (Net Tract Area x15%) E = 0.20  
 F.Reforestation Threshold (Net Tract Area x20%) F = 0.20

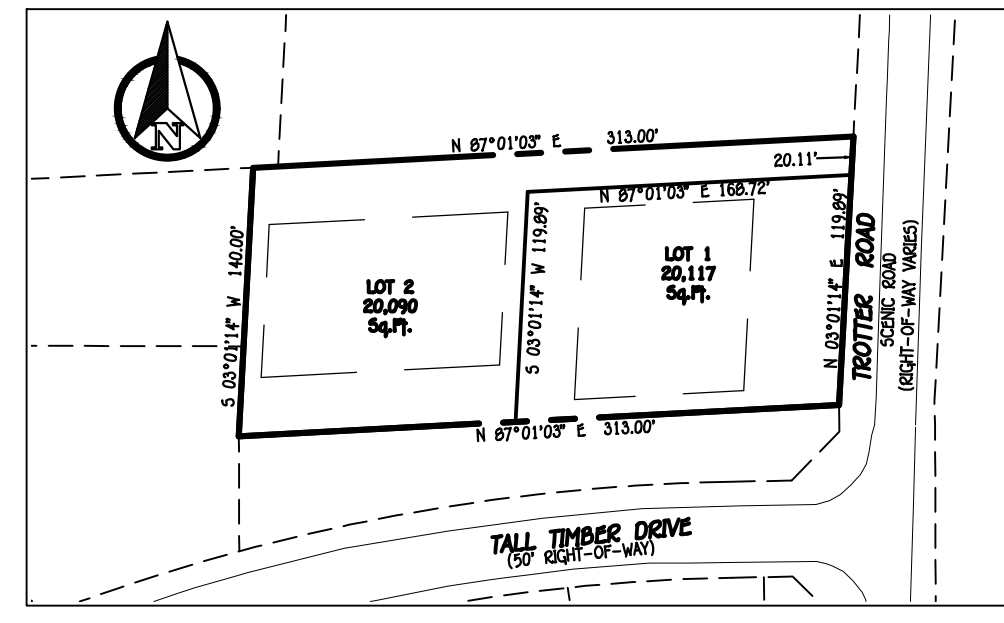
Existing Forest Cover  
 G.Existing Forest Cover within the Net Tract Area G = 0.00  
 H.Area of Forest above Afforestation Threshold H = 0.00  
 I.Area of Forest above Reforestation Threshold I = 0.00

Break Even Point  
 J.Break Even Point J = 0.00  
 K.Forest Clearing Permitted without Mitigation K = 0.00

Proposed Forest Clearing  
 L.Total Area of Forest to be Cleared L = 0.00  
 M.Total Area of Forest to be Reforested M = 0.00

Planting Requirements Inside Watershed  
 N.Reforestation for Clearing above the Reforestation Threshold N = 0.00  
 P.Reforestation for Clearing below the Reforestation Threshold P = 0.00  
 Q.Credit for Retention above the Reforestation Threshold Q = 0.00  
 R.Total Reforestation Required R = 0.00  
 S.Total Afforestation Required S = 0.20  
 T.Total Reforestation and Afforestation Requirement T = 0.20  
 U.75% of Total Obligation (Retention + Planting) U = 0.20  
 V.Planting Required Onsite to meet 75% Obligation V = 0.20

Planting Requirements Outside Watershed  
 W.Total Planting within Development Site Watershed W = 0.00  
 X.Total Afforestation Required X = 0.20  
 Y.Remaining Planting within Watershed for Reforestation Credit Y = 0.00  
 Z.Reforestation for Clearing above the Reforestation Threshold Z = 0.00  
 AA.Reforestation for Clearing below the Reforestation Threshold AA = 0.00  
 BB.Credit for Retention above the Reforestation Threshold BB = 0.00  
 CC.Total Reforestation Required CC = 0.00  
 DD.Total Afforestation and Reforestation Requirement DD = 0.00

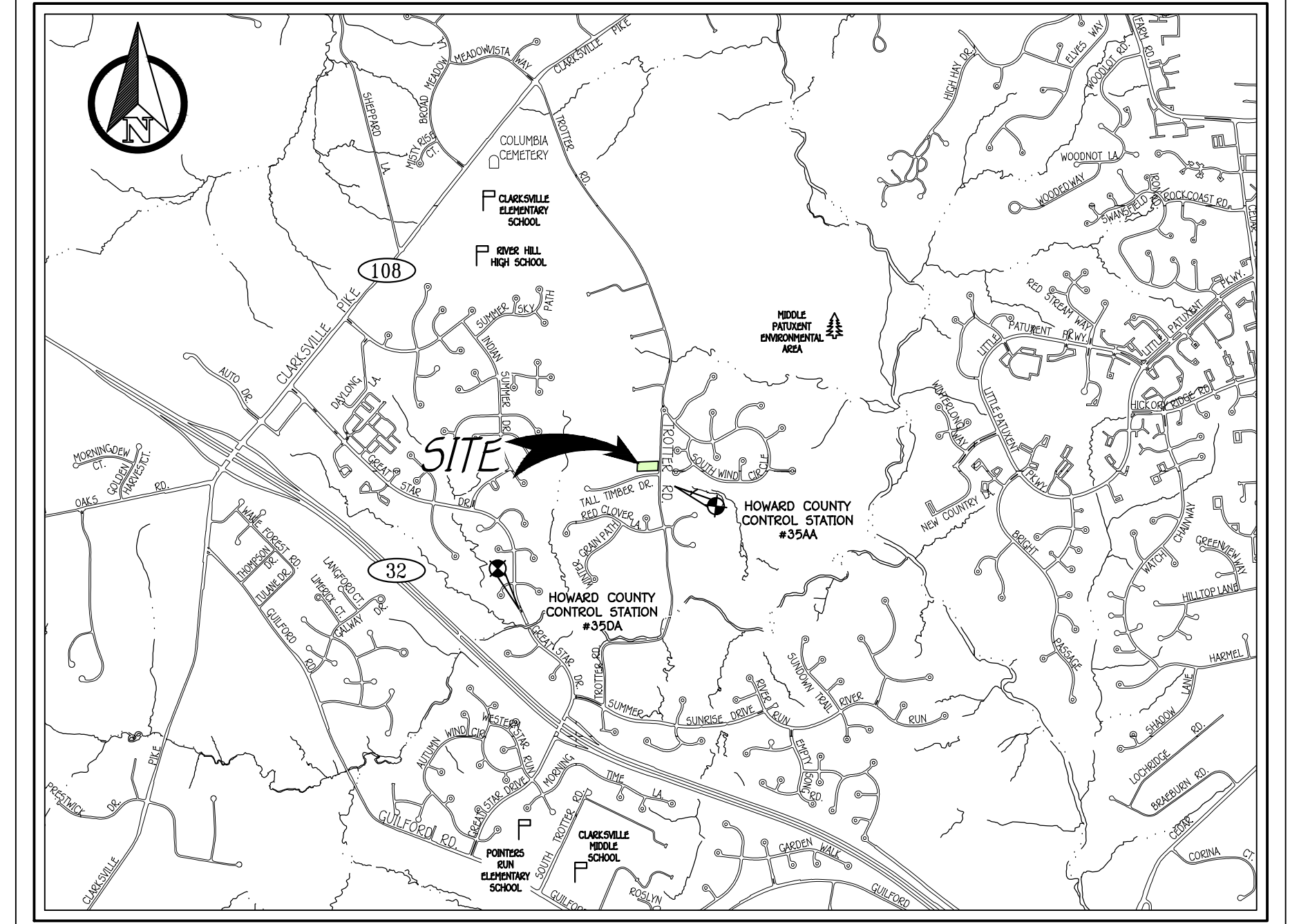


Minimum Lot Size Tabulation			
Lot No.	Gross Area	Pipestem Area	Minimum Lot Size
1	20,090 Sq. Ft.	3,399 Sq. Ft.	20,068 Sq. Ft.
2	23,463 Sq. Ft.	3,399 Sq. Ft.	20,068 Sq. Ft.

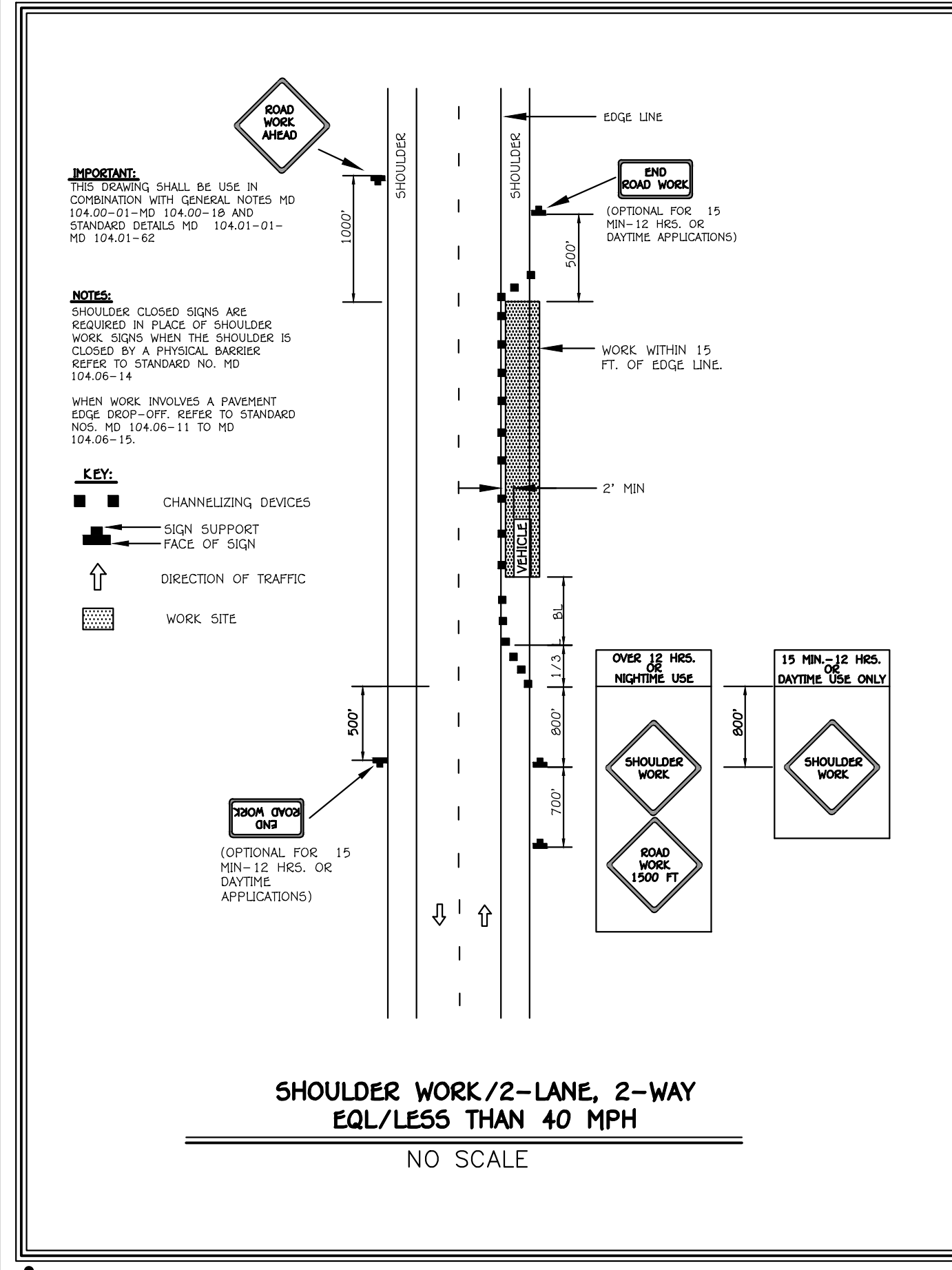
# SUPPLEMENTAL PLAN YALI LI PROPERTY

LOTS 1 & 2  
5972 TROTTER ROAD

## A RE-SUBDIVISION OF FOREST HILLS, LOT 4 ZONING: R-20 (RESIDENTIAL: SINGLE DISTRICT) TAX MAP No. 35 GRID No. 08 PARCEL No. 19 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND



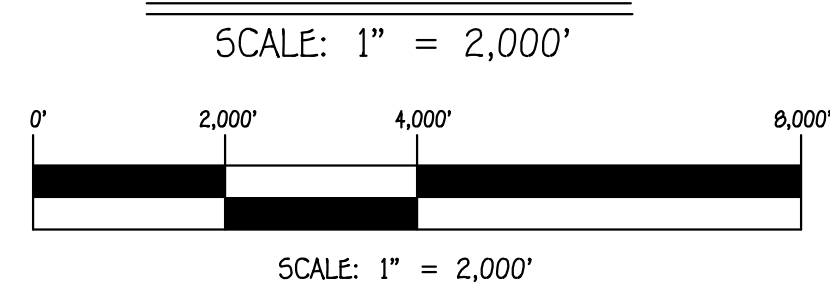
LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
---	EXISTING CONTOUR 10' INTERVAL
---	PROPOSED CONTOUR 10' INTERVAL
---	PROPOSED CONTOUR 2' INTERVAL
x 440.5	SPOT ELEVATION
1" = 50'	EXISTING STORM DRAIN
---	PROPOSED STORM DRAIN PIPE
---	EXISTING WATER LINE
---	EXISTING SEWER LINE
---	PROPOSED SEWER
---	PROPOSED WATER
---	EXISTING CABLE LINE
---	EXISTING GAS LINE
---	EXISTING OVERHEAD WIRE
---	PROPOSED PAVING
---	PROPOSED SIDEWALKS
---	LIMIT OF DISTURBANCE
---	SUPER SILT FENCE
---	SILT FENCE
---	TEMPORARY TREE PROTECTION FENCE
---	STABILIZED CONSTRUCTION ENTRANCE
---	EXISTING TREE LINE
---	DRYWELL (M-5)-TYPICAL
---	SOIL LINES AND TYPES
---	BIO RETENTION FACILITY (F-6) OR (M-6) AS NOTED
---	PROPOSED ROOF LEADER
---	DENOTES EXISTING TREES TO REMAIN
---	CRITICAL ROOT ZONE



### SITE ANALYSIS DATA CHART

- TOTAL AREA OF THIS SUBMISSION = 1 AC. (43,579.71 Sq.Ft.)  
 LOT 1 = 20,090 Sq.Ft.  
 LOT 2 = 20,117 Sq.Ft.
- LIMIT OF DISTURBED AREA = 19,353 Sq.Ft.; 0.44 Ac.+ (4,245 SqFt. IN ROW)
- PRESENT ZONING DESIGNATION = R-20;
- PROPOSED USE: SINGLE FAMILY DETACHED HOUSING
- NET TRACT AREA = 1 AC.  
 (TOTAL SITE AREA - FLOODPLAIN - STEEP SLOPES AREA)  
 (1 Ac. - (0.0 Ac + 0.0 Ac)) = 1 AC+
- DENSITY ALLOWED:  
 2 UNITS/ACRE X 1 = 2 UNITS
- BUILDING COVERAGE OF SITE: 2,500 Sq. Ft. OR 11% (PROPOSED LOT 2)
- PREVIOUS HOWARD COUNTY FILLS: P6.5, F.4, ECP-21-034, WP-23-014
- TOTAL AREA OF FLOODPLAIN LOCATED ON SITE: 0.0 AC
- TOTAL AREA OF SLOPES IN EXCESS OF 15% = 0.00 AC. (0 AC. 25% OR GREATER)
- TOTAL AREA OF WETLANDS (INCLUDING BUFFER) LOCATED ON SITE = 0 AC.+
- TOTAL FOREST 0 AC.+
- TOTAL GREEN OPEN AREA = LOT 1: 16,368 SqFt; LOT 2: 19,049 SqFt.  
 TOTAL: 32,071 SqFt. (0.80 Ac.+ 01%)
- TOTAL IMPERVIOUS AREA = LOT 1: 3,722 SqFt; LOT 2: 4,414 SqFt.  
 TOTAL: 8,136 SqFt. (0.189 Ac. 19%)
- AREA OF ERODIBLE SOILS = 0 AC.

### VICINITY MAP



**PROFESSIONAL CERTIFICATION**  
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21476, EXPIRATION DATE: 7/14/25.  
 Frank Manalansan II  
 10/5/2023  
 Date

### OWNER/DEVELOPER

YALI LI & HUAN WU  
 5972 TROTTER ROAD  
 CLARKSVILLE, MD 21029  
 301-385-9758

Approved: Department Of Planning And Zoning  
 Chief, Division Of Land Development  
 Chief, Development Engineering Division  
 Approved: Howard County Department of Public Works  
 Chief, Bureau of Highways

REVISIONS		
NO.	DESCRIPTION	DATE

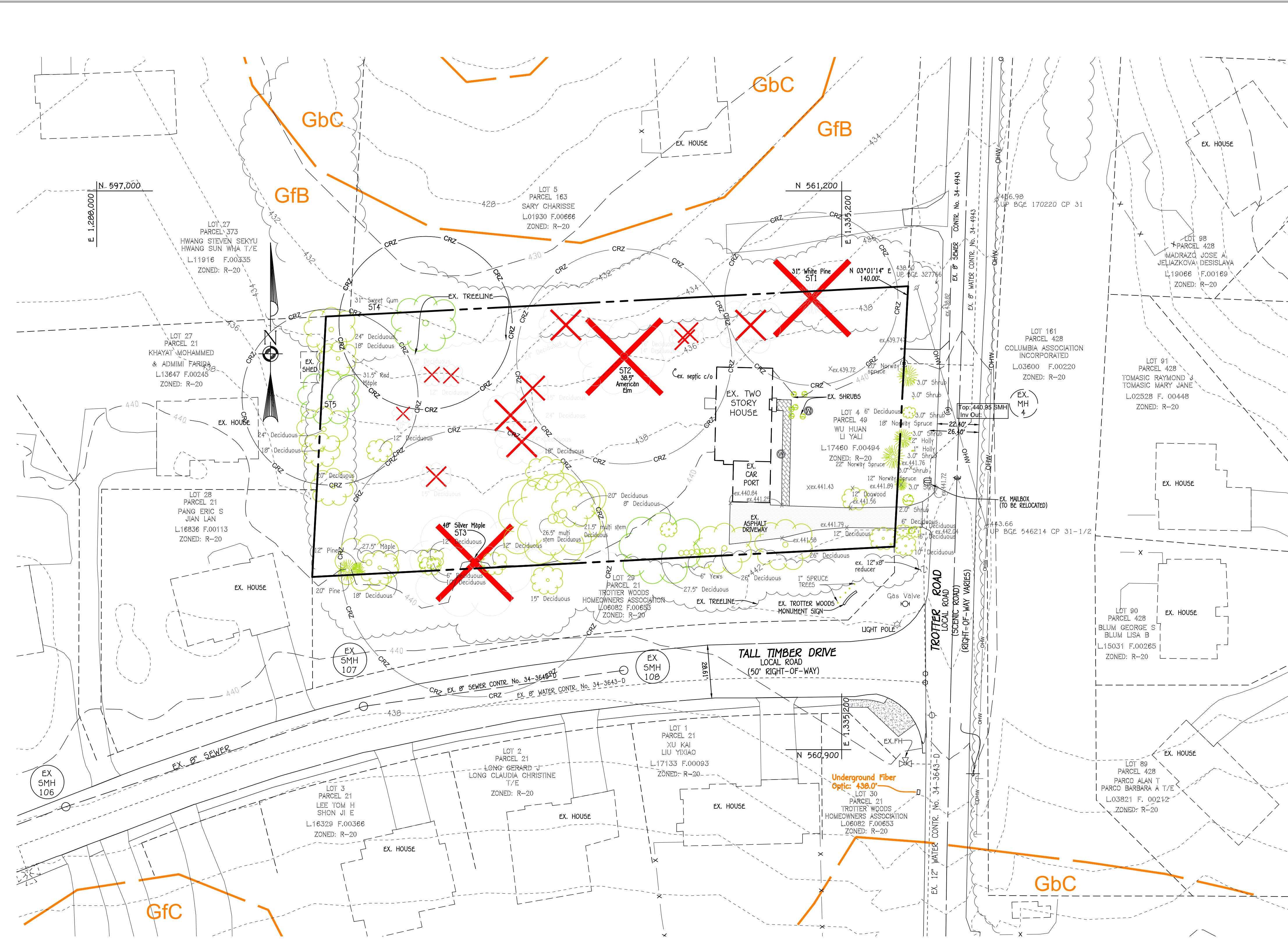
### GENERAL NOTES

- THE SUBJECT PROPERTY IS ZONED R-20 (FOR 10/16/13 COMPREHENSIVE ZONING PLAN). BOUNDARY IS BASED ON A FIELD RUN SURVEY PERFORMED BY FISHER, COLLINS & CARTER, ON OR ABOUT APRIL, 2020.
- CONTOURS ARE BASED ON A TOPOGRAPHIC FIELD RUN SURVEY PERFORMED BY FISHER, COLLINS & CARTER, ON OR ABOUT APRIL, 2020.
- COORDINATES BASED ON NAD83 HORIZONTAL COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 35A AND NO. 35B.  
 HOWARD COUNTY MONUMENT NO. 35A N 560,767.681 E 1,335,483.897 ELEV. 430.957  
 HOWARD COUNTY MONUMENT NO. 35B N 558,918.62 E 1,333,137.37 ELEV. 350.81
- BACKGROUND INFORMATION:  
 a. SUBDIVISION NAME: FOREST HILLS (P. 5 P. 4) LOT 4  
 b. TAX MAP No.: 35  
 c. PARCEL NUMBER: 19  
 d. ZONING: R-20  
 e. ELECTION DISTRICT: 5  
 f. GROSS AREA OF TRACT: 1 AC. (43,579.71 Sq.Ft.)  
 g. NUMBER OF LOTS: 2  
 h. NUMBER OF OPEN SPACE LOTS: 0  
 i. AREA OF LOTS: LOT 1 = 21,790 Sq.Ft., LOT 2 = 21,790 Sq.Ft.  
 j. AREA OF OPEN SPACE LOTS: 0  
 k. AREA OF PUBLIC ROADWAY TO BE DEDICATED: 0  
 l. PREVIOUS FILE NUMBERS: ECP-21-034, WP-23-014  
 m. AREA OF FLOODPLAIN = 0  
 n. AREA OF 20% OR GREATER SLOPES = 0  
 o. NET AREA OF TRACT = 1 ACRE
- THIS PLAN IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS PER COUNCIL BILL NO. 45-2003 AND THE 10/16/13 COMPREHENSIVE ZONING REGULATIONS AS AMENDED BY COUNCIL BILL NO. 75-2003, DEVELOPMENT OR CONSTRUCTION ON THESE LOTS OR PARCELS MUST COMPLY WITH SETBACKS AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF A BUILDING OR GRADING PERMIT APPLICATION.
- STORM WATER MANAGEMENT SHALL BE IN ACCORDANCE WITH THE M.D. STORM WATER DESIGN MANUAL, VOLUMES 1 & 2, REISED 2009. THIS PLAN PROPOSES THE USE OF ONE (1) AREA OF A-2 PERMISSIBLE PAVING AND FOUR (4) M-3 DRY WELLS, PRIOR TO SIGNATURE OF THE FINAL PLAT OR SITE DEVELOPMENT PLAN. THE DEVELOPER WILL BE REQUIRED TO EXECUTE THE DECLARATION OF COVENANTS AND/OR A DEVELOPER AGREEMENT FOR THE CONSTRUCTION OF THE STORMWATER MANAGEMENT PRACTICES AND MAINTENANCE AGREEMENT.
- THIS PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT. PUBLIC WATER AND SEWER WILL BE UTILIZED FOR THIS PROJECT.
- WATER AND SEWER TO THESE LOTS WILL BE QUANTIFIED UNDER THE PROVISIONS OF SECTION 16.122 OF THE HOWARD COUNTY CODE.
- PUBLIC WATER AND SEWER ALLOCATION WILL BE QUANTIFIED AT THE TIME OF ISSUANCE OF THE BUILDING PERMIT IF CAPACITY IS AVAILABLE AT THAT TIME.
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE REQUIRED WETLANDS, STREAMS OR OTHER BUFFERED FOREST CONSERVATION DESIGNATION AREAS AND 100 YEAR FLOODPLAIN.
- FOREST CONSERVATION OBLIGATION FOR 0.20 ACRES REFORESTATION IS PROVIDED BY A FEE-IN-LIEU PAYMENT OF \$10,090.00 BASED ON 0.20 ACRES X \$1,015,000.
- OPEN SPACE REQUIREMENTS WILL BE MET FOR THIS PROJECT BY PAYMENT OF A FEE-IN-LIEU OF \$1,500.00 FOR LOT 2.
- SOIL BORINGS WERE PERFORMED ON JANUARY 7, 2022. DETAILS ON SHEET 3.
- THE TRAFFIC STUDY FOR THIS PROJECT WAS PREPARED BY HANS GROUP AND APPROVED ON MAY 3, 2022.
- SUMMARY OF FINDINGS FOR TRAFFIC ANALYSIS, THE TRAFFIC STUDY WAS PREPARED BY HANS GROUP INC. AND WAS APPROVED BY THE HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING, DEVELOPMENT ENGINEERING DIVISION ON MAY 3, 2022.
- BASED ON THE DATA AND ANALYSIS PRESENTED IN THE TRAFFIC STUDY IT WAS DETERMINED THAT THE PROPOSED DEVELOPMENT CAN BE ACCURATELY ACCOMPANIED BY THE SUBSURROUNDING AREA ROAD SYSTEM.  
 REPORT COMPILED ON FEBRUARY 15, 2022  
 PLAN NUMBER THE REPORT WAS SUBMITTED UNDER F-22-026  
 KEY INTERSECTION IDENTIFIED FOR THE STUDY MD 32 MD OFF RAMP GREAT STATE DRIVE  
 JURISDICTION OVER THE KEY INTERSECTIONS MDOT-SHA  
 KEY INTERSECTION VOLUME COUNT COLLECTED ON FEBRUARY 3, 2022  
 HOWARD COUNTY PUBLIC SCHOOLS 2021-2022 WAS IN SESSION  
 KEY INTERSECTION VOLUME COUNT WHILE AT PEAK HOUR "AM" PM PEAK HOUR "A"  
 DESIGN YEAR LEVEL-OF-SERVICE AT KEY INTERSECTION MITIGATION MEASURES ARE NOT REQUIRED FOR THIS STUDY
- IN ACCORDANCE WITH SECTION 16.132 (4), THE PROPERTY OWNER SHALL NOT BE REQUIRED TO CONSTRUCT OR PROVIDE FOR CONSTRUCTION OF IMPROVEMENTS TO COUNTY MAINTAINED SCENIC ROADS. THE SIGHT DISTANCE EVALUATION DOES NOT REQUIRE GRADING TO ACHIEVE SAFE STOPPING DISTANCE. IN ACCORDANCE WITH SECTION 16.140 (d) SIDEWALKS ARE REQUIRED WHEN (2) ADJACENT DEVELOPMENT HAS BEEN SUBSTANTIALLY COMPLETED WITHOUT SIDEWALKS AND (3) SIDEWALKS WOULD BE DETERMINAL TO THE CHARACTER OF A SCENIC ROAD.
- DEVELOPERS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES FOR THE FOLLOWING MINIMUM REQUIREMENTS:  
 WIDTH - 12' (IF SERVING MORE THAN ONE RESIDENCE)  
 SURFACE - 6" OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1-1/4" MIN) GEOMETRY- MAX. 10% GRADE, MAX. 10% GRADE CHANGE AND MIN. 45' TURNING RADIUS.  
 STRUCTURE (CULVERTS/PARTIALS) CAPABLE OF SUPPORTING 25 TONS (HIGH LOADING)  
 DRAINAGE ELEMENTS - SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRAINWAY SURFACE.  
 MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
- NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE LIMITS OF WETLANDS, STREAMS, OR OTHER BUFFERED FOREST CONSERVATION DESIGNATION AREAS.
- FLAG AND PREPARE LOTS, BEFORE LOCATED ON LOT 2 TO EXPAN. NO NEW BUILDINGS, EXTENSIONS, OR ADDITIONS TO THE EXISTING WELLS AND ROAD RIGHT-OF-WAY LINE AND NOT ONTO THE PREPARED LOT DRAINWAY.
- APPROVAL OF A SITE DEVELOPMENT PLAN IS REQUIRED FOR THE DEVELOPMENT OF ALL RESIDENTIAL LOTS WITHIN THIS SUBDIVISION PRIOR TO ISSUANCE OF ANY GRADING OR BUILDING PERMITS FOR NEW HOUSE CONSTRUCTION IN ACCORDANCE WITH SECTION 16.155 OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
- PERIMETER LANDSCAPING AND STREET TREE OBLIGATIONS SHALL BE IN ACCORDANCE WITH SECTION 16.124 OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND LANDSCAPE MANUAL. FINANCIAL SURTY IN THE AMOUNT OF \$7,050.00 FOR 16 SHADE TREES (1800 #s), 12 EMERGENCY TREES (8150 #s), AND 3 ORNAMENTAL TREES (8150 #s) WILL BE POSTED WITH THE GRADING PERMIT AS PART OF THE SITE DEVELOPMENT PLAN STAGE.
- THIS PROPERTY IS LOCATED IN THE METROPOLITAN DISTRICT.  
 a. PUBLIC WATER AND SEWER CONTRACT NUMBERS: 34-3643-01  
 b. SUBDIVISION IS SUBJECT TO SECTION 16.101 OF THE ZONING REGULATIONS. AT LEAST 10% OF THE DWELLING UNITS SHALL BE MODERATE INCOME HOUSING UNITS (MIHU) OR AN ALTERNATIVE COMPLIANCE WILL BE PROVIDED. THE DEVELOPER SHALL EXECUTE A MIHU AGREEMENT WITH THE DEPARTMENT OF HOUSING TO INDICATE HOW THE MIHU REQUIREMENT WILL BE MET. THE MIHU AGREEMENT WILL BE RECORDED SIMULTANEOUSLY WITH THIS PLAT IN THE LAND RECORDS OFFICE OF HOWARD COUNTY, MARYLAND. THIS DEVELOPMENT WILL MEET MIHU ALTERNATIVE COMPLIANCE BY PAYMENT OF A FEE-IN-LIEU TO THE DEPARTMENT OF HOUSING FOR EACH REQUIRED UNIT. MODERATE INCOME HOUSING UNIT (MIHU) TABULATION:  
 1. MIHU REQUIRED = (1 LOT X 10%) = 0.1 MIHU.  
 2. MIHU PROVIDED = DEVELOPER WILL PURSUE ALTERNATIVE COMPLIANCE BY PAYING A FEE-IN-LIEU TO THE HOWARD COUNTY HOUSING DEPARTMENT FOR THE UNITS REQUIRED BY THE DEVELOPMENT.
- THERE IS AN EXISTING DWELLING LOCATED ON LOT 2 TO EXPAN. NO NEW BUILDINGS, EXTENSIONS, OR ADDITIONS TO THE EXISTING DWELLING IS TO BE CONSTRUCTED AT A DISTANCE LESS THAN THE ZONING REGULATIONS REQUIREMENTS.
- THIS PROJECT IS LOCATED ALONG A SCENIC ROAD AND WAS APPROVED BY PLANNING BOARD ON MAY 4, 2023 IN ACCORDANCE WITH HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS SECTION 16.125(C).
- A LETTER OF FINDINGS DATED APRIL 5, 2021 PREPARED BY ECO-SCIENCE PROFESSIONALS, INC. DETERMINED THAT THERE ARE NO WETLANDS, WETLAND BUFFERS, STREAMS OR STREAM BUFFERS LOCATED WITHIN THE LIMITS OF THIS PROPERTY.
- A COMPANY MEETING WAS HELD ON MARCH 10, 2021 FOR THE PURPOSE OF THE DEVELOPER TO PROVIDE INFORMATION TO THE COMMUNITY REGARDING THE PROPOSED RESIDENTIAL DEVELOPMENT AND TO ALLOW THE COMMUNITY TO ASK QUESTIONS AND MAKE COMMENTS. PER SECTION 16.126(D) OF THE SUBDIVISION REGULATIONS.
- THIS DEVELOPMENT IS DESIGNED TO BE IN ACCORDANCE WITH SECTION 16.127 - RESIDENTIAL INFILL DEVELOPMENT OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, INCLUDING FRONT YARD SETBACKS. MINIMUM SETBACK REQUIREMENTS HAVE BEEN MET AND SHOWN. SETBACK IS IN COMPLIANCE WITH THE RESIDENTIAL INFILL REQUIREMENTS. AN ALTERNATIVE COMPLIANCE APPLICATION HAS BEEN SUBMITTED TO REQUEST THE USE OF AN INDIVIDUAL DRIVEWAY FOR LOT 2 IN LIEU OF AN USE-IN-COMMON DRIVEWAY.
- THE DEVELOPER OF THIS PROJECT SHALL CREATE COMPATIBILITY THROUGH THE USE OF ENHANCED PERIMETER LANDSCAPING, BERRIES, FENCES, SHEDS, HOUSING UNIT TYPES, AND DIRECTIONAL ORIENTATION OF THE PROPOSED HOUSE.
- TO THE BEST OF OUR KNOWLEDGE, NO CONFLICTS EXIST ON SITE BY BOTH VISUAL OBSERVATION AND REVIEW OF AVAILABLE HOWARD COUNTY INFORMATION.
- THERE IS NO 100 FLOODPLAIN WITHIN THE LIMITS OF THE PROJECT.
- NO NOISE STUDY IS REQUIRED FOR THIS PROJECT.
- THE LOT CREATED BY THIS SUBDIVISION IS SUBJECT TO A FEE OR ASSESSMENT TO COVER OR DEFRAY ALL OR PART OF THE DEVELOPER'S COST OF THE INSTALLATION OF THE WATER AND SEWER FACILITIES, PURSUANT TO THE HOWARD COUNTY CODE SECTION 16.112. THE FEE OR ASSESSMENT, WHICH RUNS WITH THE LAND, IS A CONTRACTUAL OBLIGATION BETWEEN THE DEVELOPER AND EACH OWNER OF THIS PROPERTY AND IS NOT IN ANNUAL FEE OR ASSESSMENT OF HOWARD COUNTY.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THIS UTILITY AT 1-800-297-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/ CONSTRUCTION INSPECTION DIVISION AT (410) 313-1860 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- 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 PLACEMENT OF ANY ASPHALT.
- STREET LIGHT PLACEMENT AND THE TYPE OF FIXTURE AND POLE SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL VOLUME II (1993) AND AS MODIFIED BY GUIDELINES FOR STREET LIGHTS IN RESIDENTIAL DEVELOPMENTS (JUNE 1997). A MINIMUM SPACING OF 20' SHALL BE MAINTAINED BETWEEN ANY STREETLIGHTS AND ANY TREE.
- ALL SIGN POSTS USED FOR TRAFFIC CONTROL SIGNS INSTALLED IN THE COUNTY RIGHT-OF-WAY SHALL BE MOUNTED ON A 2" GALVANIZED STEEL, PERFORATED, SQUARE TUBE POST (1 1/2 GAUGE) INSERTED INTO A 2" GALVANIZED STEEL, PERFORATED, SQUARE TUBE SLEEVE (12 GAUGE) 3' LONG. A GALVANIZED STEEL POLE CAP SHALL BE MOUNTED ON TOP OF EACH POST.
- EXISTING UTILITIES ARE BASED ON PUBLIC WATER CONTRACT #34-3643-0 AND PUBLIC SEWER CONTRACT #39-4943.
- PLAN SUBJECT TO FOLLOWING CONDITIONS OF WF-12345 (SECTION 16.127 (C)(4)(I) FOR A SHARED USE-IN-COMMON DRIVEWAY AND SECTION 16.125 (A)(3) FOR REMOVAL OF TREES (3) SPECIMEN TREES.):  
 1. INCLUDE A NOTE ON ALL PLAN SUBMISSIONS WITH THIS ALTERNATIVE COMPLIANCE FILE NUMBER, A SUMMARY OF THE REQUEST, DATE OF APPROVAL AND CONDITIONS OF APPROVAL.  
 2. COMPLIANCE WITH ALL SEC COMMENTS F-22-026, YALI LI PROPERTY - LOTS 1 & 2.  
 3. THE REMOVAL OF SPECIMEN TREES #1, #2 AND #3 IS PERMITTED AND REQUIRES THE ONSITE PLANTING OF SIX (6) NATIVE TREES WITH A DBH OF 3". THE TREES SHALL BE SHOWN ON THE FINAL SUBDIVISION LANDSCAPE PLAN SHEET AND MUST BE BONDED AS A LANDSCAPE OBLIGATION.

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL, ENGINEERING, CONSULTANTS & LAND SURVEYORS  
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
 CLARKSVILLE, MD 21029  
 (410) 461 - 2955

TITLE SHEET  
**YALI LI PROPERTY**  
 LOTS 1 & 2  
 A RE-SUBDIVISION OF FOREST HILLS, LOT 4  
 5972 TROTTER ROAD  
 P.B. 5, F. 4  
 TAX MAP NO.: 35 GRID NO.: 08 PARCEL NO.:19  
 ZONED R-20  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN DATE: SEPTEMBER, 2023  
 SHEET 1 OF 5



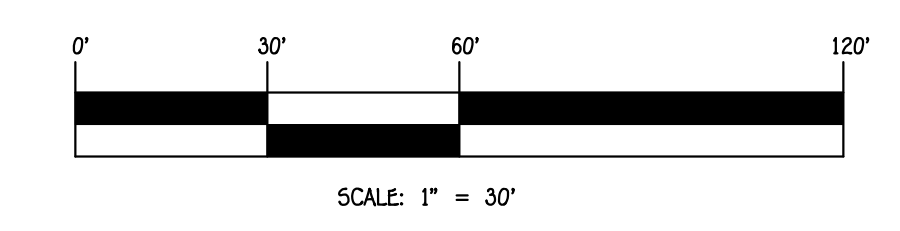


LEGEND	
SYMBOL	DESCRIPTION
	EXISTING CONTOUR 2' INTERVAL
	EXISTING CONTOUR 10' INTERVAL
	PROPOSED CONTOUR 10' INTERVAL
	PROPOSED CONTOUR 2' INTERVAL
	SPOT ELEVATION
	EXISTING STORM DRAIN
	EXISTING WATER LINE
	EXISTING SEWER LINE
	EXISTING CABLE LINE
	EXISTING GAS LINE
	EXISTING OVERHEAD WIRE
	EXISTING TREE LINE
	SOIL LINES AND TYPES
	DENOTES EXISTING TREES TO BE REMOVED
	DENOTES EXISTING TREES TO REMAIN
	CRITICAL ROOT ZONE

Approved: Department Of Planning And Zoning		
DocuSigned by:	11/1/2023	
Chief, Division Of Land Development	Date	
<i>Chad Edmondson</i>	11/6/2023	
Chief, Development Engineering Division	Date	
Approved: Howard County Department Of Public Works		
DocuSigned by:	11/1/2023	
Chief, Bureau Of Highways	Date	
REVISIONS		
NO.	DESCRIPTION	DATE

Specimen Tree Chart

Key (X#)	Species	Size (in.dbh)	CRZ (feet radius)	Comments	Status	% DISTURBED
1	White pine	31	46.5	Fair condition, leaning	to be removed	28%
2	American Elm	38.5	57.75	Fair condition, some dieback	to be removed	30%
3	Silver maple	48	72	Fair condition, multi-stem, some dieback	to be removed	26%
4	Sweet gum	31	46.5	Fair condition, heavy vine cover	to be retained	26%
5	Red maple	31.5	47.25	Fair condition, dieback in canopy	to be retained	6.6%



**PROFESSIONAL CERTIFICATION**  
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21476, EXPIRATION DATE: 7/14/25.  
 Frank Manalansan II  
 Date: 7/26/2023

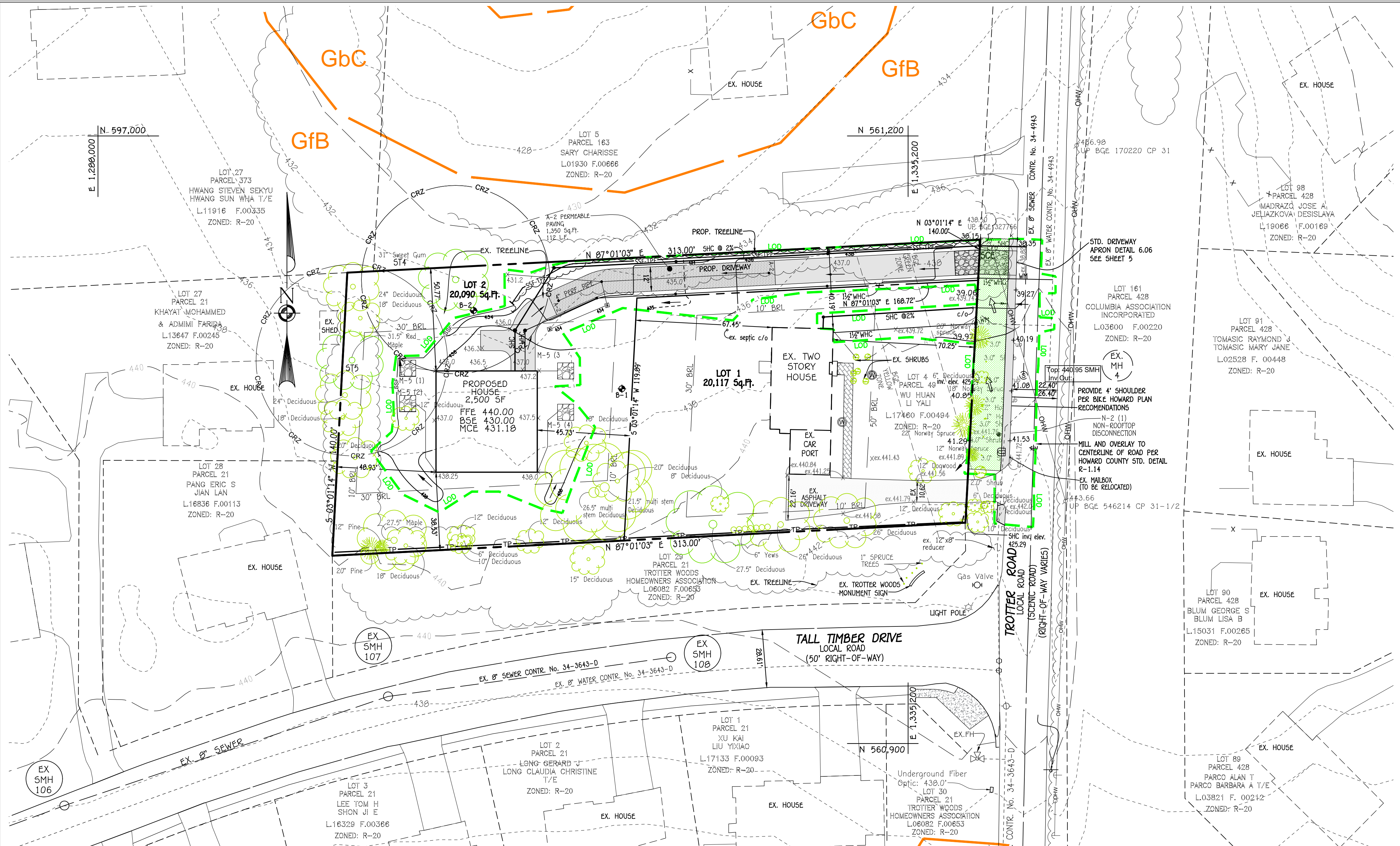
**OWNER/DEVELOPER**

YALI LI & HUAN WU  
 5972 TROTTER ROAD  
 CLARKSVILLE, MD 21029  
 301-385-9758

**EXISTING CONDITIONS  
 YALI LI PROPERTY**

LOTS 1 & 2  
 A RE-SUBDIVISION OF FOREST HILLS, LOT 4  
 5972 TROTTER ROAD  
 P.B. 5, F. 4  
 TAX MAP NO.: 35 GRID NO.: 08 PARCEL NO.: 19  
 ZONED R-20  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN DATE: JULY, 2023  
 SHEET 2 OF 5

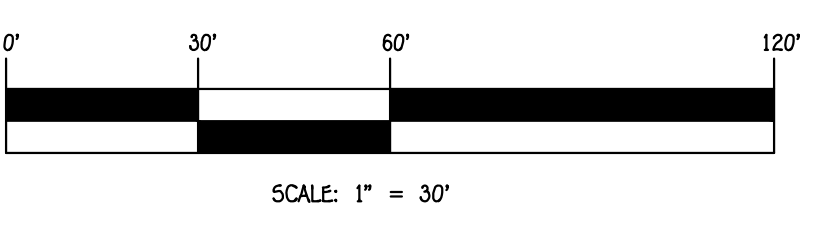




LEGEND	
SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
---	EXISTING CONTOUR 10' INTERVAL
---	PROPOSED CONTOUR 10' INTERVAL
---	PROPOSED CONTOUR 2' INTERVAL
x 448.5	SPOT ELEVATION
18" 50	EXISTING STORM DRAIN
18" 50	PROPOSED STORM DRAIN PIPE
---	EX. FH
---	EXISTING WATER LINE
---	EXISTING SEWER LINE
---	PROPOSED SEWER
---	PROPOSED WATER
---	EXISTING CABLE LINE
---	EXISTING GAS LINE
---	EXISTING OVERHEAD WIRE
---	PROPOSED PAVING
---	PROPOSED SIDEWALKS
---	USE IN COMMON EASEMENT
---	LOD
---	S5F
---	SF
---	TEMPORARY TREE PROTECTION FENCE
---	SUPER SILT FENCE / TREE PROTECTION FENCING
---	STABILIZED CONSTRUCTION ENTRANCE
---	EXISTING TREE LINE
---	PROPOSED TREE LINE
---	DRYWELL (M-5)-TYPICAL
---	SOIL LINES AND TYPES
---	BIO RETENTION FACILITY (F-6) OR (M-6) AS NOTED
---	PROPOSED ROOF LEADER
---	DNOTES EXISTING TREES TO REMAIN
---	CRITICAL ROOT ZONE

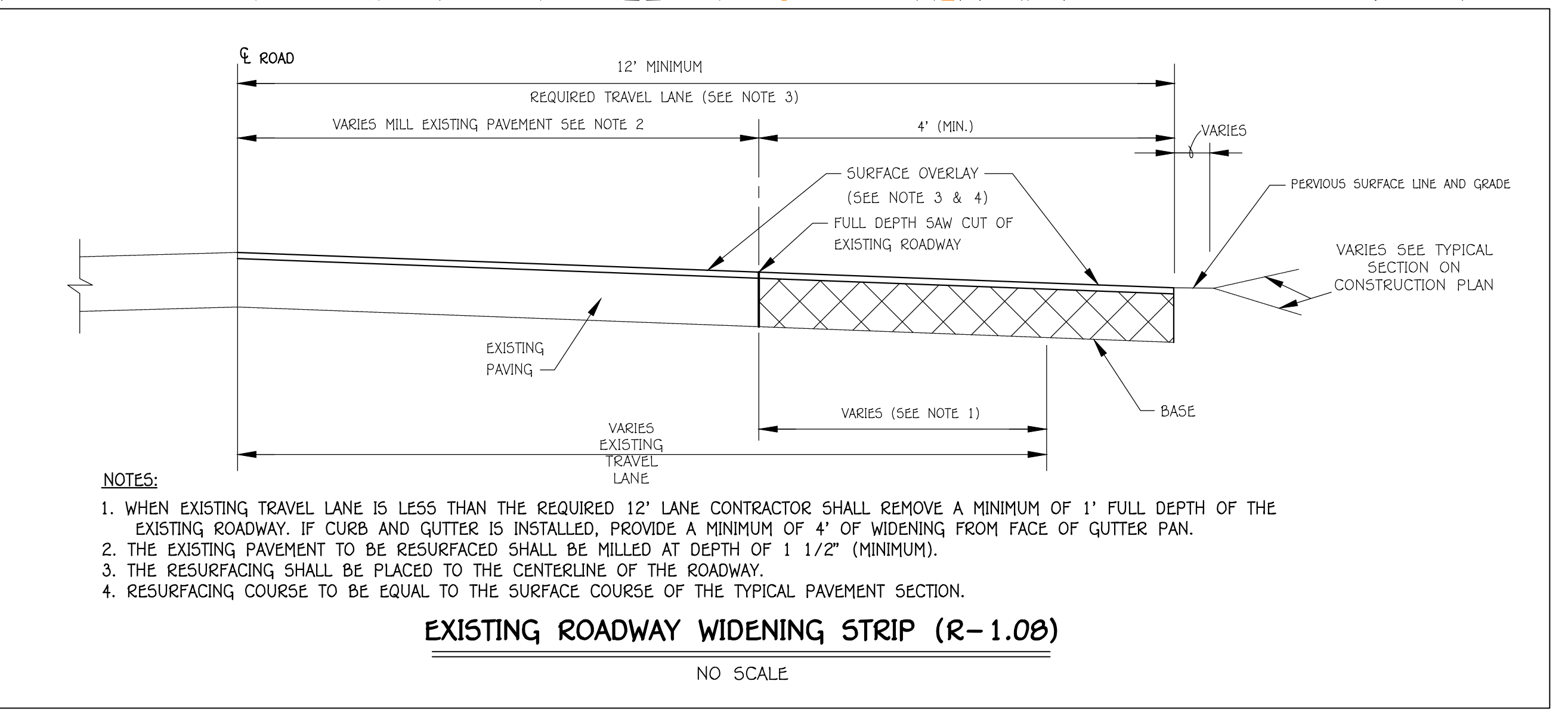
Approved: Department Of Planning And Zoning	11/1/2023	
Chief, Division of Land Development	Date	
<i>(HAD) Edmondson</i>	11/6/2023	
Chief, Development Engineering Division	Date	
Approved: Howard County Department Of Public Works		
Chief, Bureau of Highways	11/1/2023	
Chief, Bureau of Highways	Date	
REVISIONS		
NO.	DESCRIPTION	DATE

BORING LOGS	
EXISTING GROUND 437.40'	438.00 M-5 (4) TOP
	436.00 M-5 (3) TOP
433.50 A-2 TOP	433.00 M-5 (4) BOT.
431.50 A-2 BOT.	431.00 M-5 (3) BOT.
BOTTOM OF EXCAVATION	15'
B-1	
NOTE: NO ROCK OR WATER WAS ENCOUNTERED DURING EXCAVATION.	
EXISTING GROUND 433.11'	436.00 M-5 (2) TOP
	435.00 M-5 (1) TOP
	431.00 M-5 (2) BOT.
	430.00 M-5 (1) BOT.
BOTTOM OF EXCAVATION	15'
B-2	
NOTE: NO ROCK OR WATER WAS ENCOUNTERED DURING EXCAVATION.	



SOILS LEGEND			
SOIL	NAME	CLASS	K' VALUE
GbC	Gladstone loam, 0 to 15 percent slopes	B	0.32
GfB	Gladstone-Urban land complex, 0 to 0 percent slopes	B	0.32

SOILS MAP 17; CLARKSVILLE NE QUADRANGLE



- NOTES:
1. WHEN EXISTING TRAVEL LANE IS LESS THAN THE REQUIRED 12' LANE CONTRACTOR SHALL REMOVE A MINIMUM OF 1' FULL DEPTH OF THE EXISTING ROADWAY. IF CURB AND GUTTER IS INSTALLED, PROVIDE A MINIMUM OF 4' OF WIDENING FROM FACE OF GUTTER PAN.
  2. THE EXISTING PAVEMENT TO BE RESURFACED SHALL BE MILLED AT DEPTH OF 1 1/2" (MINIMUM).
  3. THE RESURFACING SHALL BE PLACED TO THE CENTERLINE OF THE ROADWAY.
  4. RESURFACING COURSE TO BE EQUAL TO THE SURFACE COURSE OF THE TYPICAL PAVEMENT SECTION.

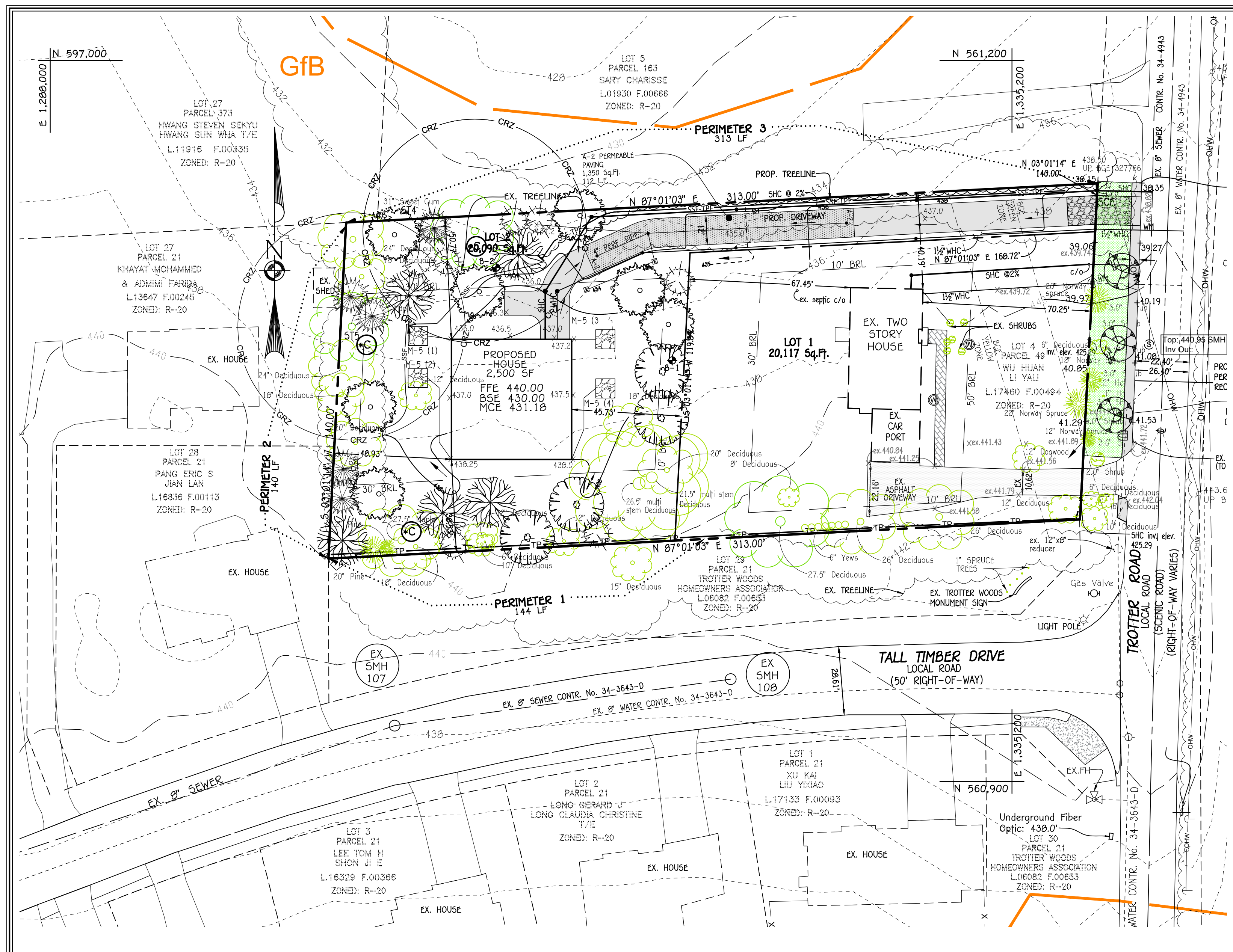


**PROFESSIONAL CERTIFICATION**  
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A QUALY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21476, EXPIRATION DATE: 7/14/25.  
*Frank Manalansan II*  
9/21/2023  
Date

**OWNER/DEVELOPER**  
YALI LI & HUAN WU  
5972 TROTTER ROAD  
CLARKSVILLE, MD 21029  
301-385-9758

SUPPLEMENTAL PLAN  
**YALI LI PROPERTY**  
LOTS 1 & 2  
A RE-SUBDIVISION OF FOREST HILLS, LOT 4  
5972 TROTTER ROAD  
P.B. 5, F. 4  
TAX MAP NO.: 35 GRID NO.: 08 PARCEL NO.: 19  
ZONED R-20  
FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: AS SHOWN DATE: SEPTEMBER, 2023  
SHEET 3 OF 5





**SCHEDULE A - PERIMETER LANDSCAPE EDGE**

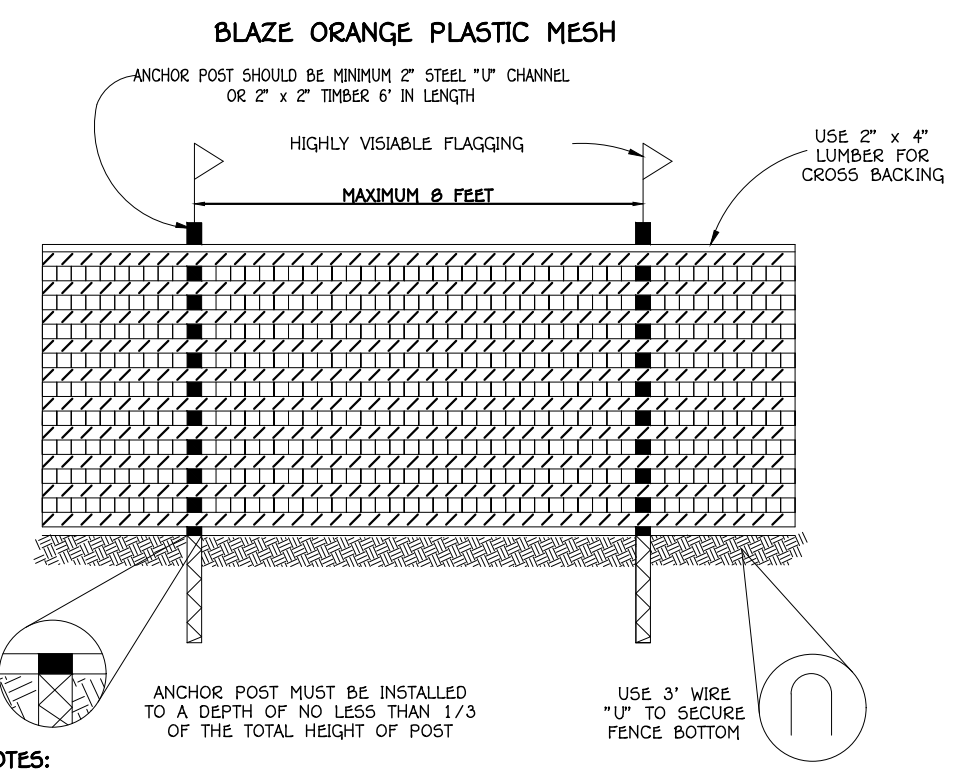
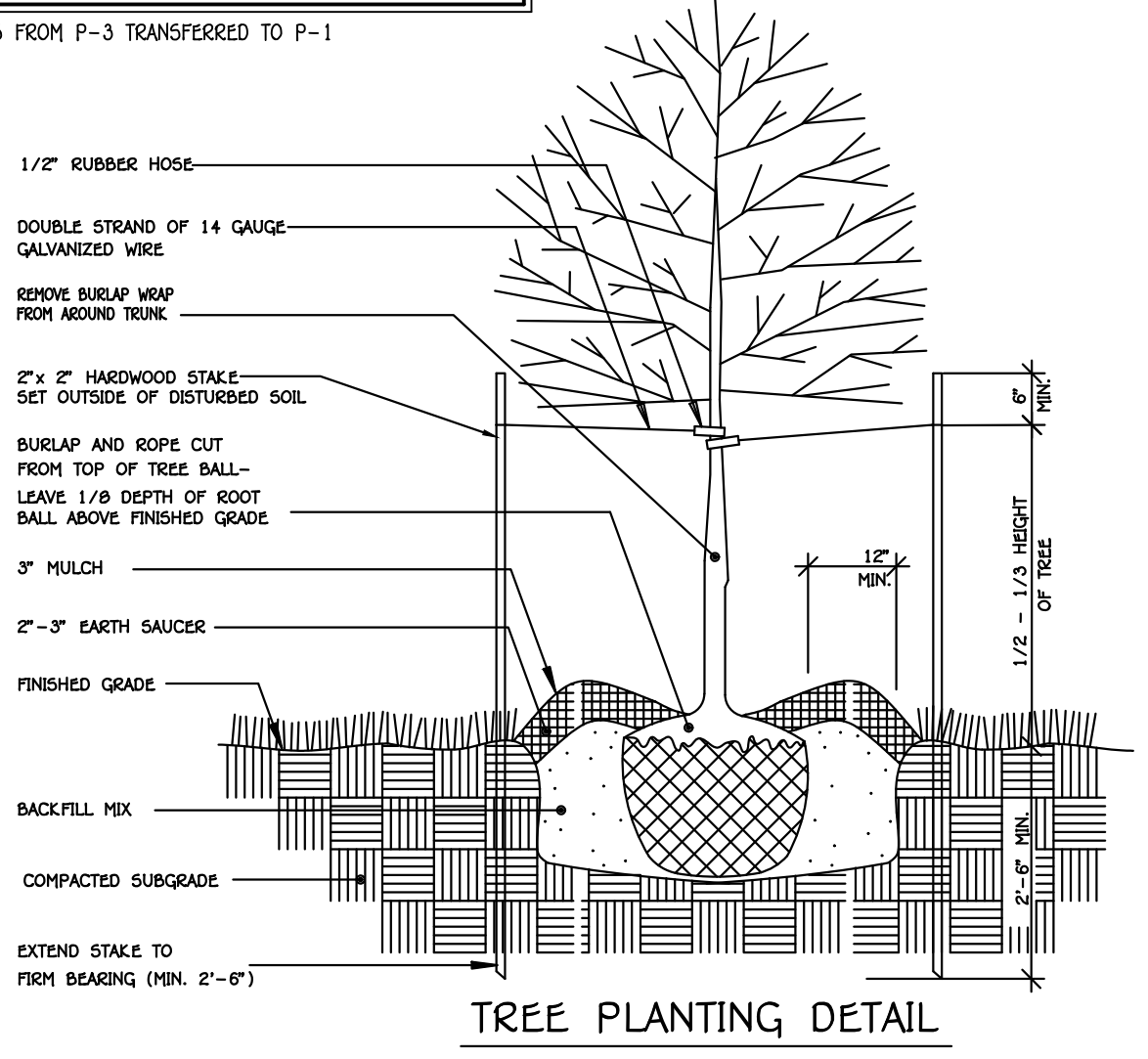
PERIMETER	P-1	P-2	P-3	TOTAL
CATEGORY	ADJACENT TO PERIMETER PROPERTIES	ADJACENT TO PERIMETER PROPERTIES	ADJACENT TO PERIMETER PROPERTIES	
LANDSCAPE TYPE	A	B	B	
LINEAR FEET OF PERIMETER	144 L.F.	140 L.F.	313 L.F.	
NUMBER OF PLANTS REQUIRED				
SHADE TREES	(144/60' = 2.4) 3	(140/50' = 2.8) 3	(313/50' = 6.3) 7	13
EVERGREEN TREES		(140/40' = 3.5) 4	(313/40' = 7.8) 8	12
CREDIT FOR EXISTING VEGETATION				
SHADE TREES *C	1 EX. SHADE TREES -27.5' dbh Maple	1 EX. SHADE TREES -31.5' Red Maple	1 EX. SHADE TREE -31' Sweet Gum	3
EVERGREEN TREES				
NUMBER OF PLANTS PROVIDED				
SHADE TREES	2	2	6	10
EVERGREEN TREES	*2	4	4	12

**LANDSCAPING PLANT LIST**

QTY.	KEY	NAME	SIZE
*7	(Symbol)	ACEA RUBRUM "OCTOBER GLORY" (OCTOBER RED MAPLE)	2 1/2" - 3" CALIPER FULL CROWN, B&B
*5	(Symbol)	QUERCUS PHELLOS (WHITE OAK)	2 1/2" - 3" CALIPER FULL CROWN, B&B
*4	(Symbol)	NYSSA SYLVATICA (BLACK GUM)	2 1/2" - 3" CALIPER FULL CROWN, B&B
7	(Symbol)	JUNIPERUS VIRGINIANA (RED CEDAR)	6' - 8' HGT
5	(Symbol)	PINUS STROBUS (EASTERN WHITE PINE)	6' - 8' HGT

**STREET TREE LANDSCAPING PLANT LIST**

QTY.	KEY	NAME	SIZE
**3	(Symbol)	CORNUS FLORIDA FLOWERING DOGWOOD	30' APART ON PUBLIC R/W



**LEGEND**

SYMBOL	DESCRIPTION
(Symbol)	EXISTING CONTOUR 2' INTERVAL
(Symbol)	EXISTING CONTOUR 10' INTERVAL
(Symbol)	PROPOSED CONTOUR 10' INTERVAL
(Symbol)	PROPOSED CONTOUR 2' INTERVAL
(Symbol)	SPOT ELEVATION
(Symbol)	EXISTING STORM DRAIN
(Symbol)	PROPOSED STORM DRAIN PIPE
(Symbol)	EXISTING WATER LINE
(Symbol)	EXISTING SEWER LINE
(Symbol)	PROPOSED SEWER
(Symbol)	PROPOSED WATER
(Symbol)	EXISTING CABLE LINE
(Symbol)	EXISTING GAS LINE
(Symbol)	EXISTING OVERHEAD WIRE
(Symbol)	PROPOSED PAVING
(Symbol)	PROPOSED SIDEWALKS
(Symbol)	USE IN COMMON EASEMENT
(Symbol)	LIMIT OF DISTURBANCE
(Symbol)	SUPER SILT FENCE
(Symbol)	SILT FENCE
(Symbol)	TEMPORARY TREE PROTECTION FENCE
(Symbol)	SUPER SILT FENCE / TREE PROTECTION FENCING
(Symbol)	STABILIZED CONSTRUCTION ENTRANCE
(Symbol)	EXISTING TREE LINE
(Symbol)	PROPOSED TREE LINE
(Symbol)	DRYWELL (M-5)-TYPICAL
(Symbol)	SOIL LINES AND TYPES
(Symbol)	BIO RETENTION FACILITY (F-6) OR (M-6) AS NOTED
(Symbol)	PROPOSED ROOF LEADER
(Symbol)	DENOTES EXISTING TREES TO REMAIN
(Symbol)	CRITICAL ROOT ZONE
(Symbol)	PROPOSED TREES
(Symbol)	PERIMETER XX XX LF
(Symbol)	LANDSCAPE PERIMETER LABEL AND LEADER
(Symbol)	DENOTES EX. TREE BEING USED AS LANDSCAPE CREDIT

**PLANTING SPECIFICATIONS**

PLANTS, RELATED MATERIAL, AND OPERATIONS SHALL MEET THE DETAILED DESCRIPTION AS GIVEN ON THE PLANS AND AS DESCRIBED HEREIN.

ALL PLANT MATERIAL, UNLESS OTHERWISE SPECIFIED, SHALL BE NURSERY GROWN, UNIFORMLY BRANCHED, HAVE A VIGOROUS ROOT SYSTEM, AND SHALL CONFORM TO THE SPECIES, SIZE, ROOT AND SHAPE SHOWN ON THE PLANT LIST AND THE AMERICAN ASSOCIATION OF NURSERYMEN (AAN) STANDARDS. PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, FREE FROM DEFECTS, DECAY, DISFIGURING ROOTS, SUN SCALD INJURIES, ABRASIONS OF THE BARK, PLANT DISEASE, INSECT PEST EGGS, BORERS AND ALL FORMS OF INSECT INFESTATIONS OR OBJECTIONABLE DISFIGUREMENTS. PLANT MATERIAL THAT IS WEAK OR WHICH HAS BEEN CUT BACK FROM LARGER GRADES TO MEET SPECIFIED REQUIREMENTS WILL BE REJECTED. TREES WITH FORKED LEADERS WILL NOT BE ACCEPTED. ALL PLANTS SHALL BE FRESHLY DUG; NO HEALED-IN PLANTS FROM COLD STORAGE WILL BE ACCEPTED.

UNLESS OTHERWISE SPECIFIED, ALL GENERAL CONDITIONS, PLANTING OPERATIONS, DETAILS AND PLANTING SPECIFICATION SHALL CONFORM TO "LANDSCAPE SPECIFICATION GUIDELINES FOR BALTIMORE-WASHINGTON METROPOLITAN AREAS", (HEREINAFTER "LANDSCAPE GUIDELINES") APPROVED BY THE LANDSCAPE CONTRACTORS ASSOCIATION OF METROPOLITAN WASHINGTON AND THE POTOMAC CHAPTER OF THE AMERICAN SOCIETY OF LANDSCAPE ARCHITECT, LATEST EDITION, INCLUDING ALL AMENDMENTS.

CONTRACTOR SHALL BE REQUIRED TO GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR AFTER DATE OF ACCEPTANCE IN ACCORDANCE WITH THE APPROPRIATE SECTION OF THE LANDSCAPE GUIDELINES. CONTRACTOR'S ATTENTION IS DIRECTED TO THE MAINTENANCE REQUIREMENTS FOUND WITHIN THE ONE YEAR SPECIFICATIONS INCLUDING WATERING AND REPLACEMENT OF SPECIFIED PLANT MATERIAL.

BID SHALL BE BASED ON ACTUAL SITE CONDITIONS. NO EXTRA PAYMENT SHALL BE MADE FOR WORK ARISING FROM SITE CONDITIONS DIFFERING FROM THOSE INDICATED ON DRAWINGS AND SPECIFICATIONS.

ALL SHRUBS SHALL BE PLANTED IN CONTINUOUS TRENCHES OR PREPARED PLANTING BEDS AND MULCHED WITH COMPOSTED HARDWOOD MULCH AS DETAILS AND SPECIFIED EXCEPT WHERE NOTED ON PLANS.

POSITIVE DRAINAGE SHALL BE MAINTAINED IN PLANTING BEDS 2 PERCENT SLOPE).

PLANTING MIX SHALL BE AS FOLLOWS: DECIDUOUS PLANTS - TWO PARTS TOPSOIL, ONE PART WELL-ROTTED COW OR HORSE MANURE, ADD 3 LBS. OF STANDARD FERTILIZER PER CUBIC YARD OF PLANTING MIX. EVERGREEN PLANTS - TWO PARTS TOPSOIL, ONE PART HUMUS OR OTHER APPROVED ORGANIC MATERIAL. ADD 3 LBS. OF EVERGREEN (ACIDIC) FERTILIZER PER CUBIC YARD OF PLANTING MIX. TOPSOIL SHALL CONFORM TO THE LANDSCAPE GUIDELINES.

WEED CONTROL: INCORPORATE A PRE-EMERGENT HERBICIDE INTO THE PLANTING BED FOLLOWING RECOMMENDED RATES ON THE LABEL. CAUTION: BE SURE TO CAREFULLY CHECK THE CHEMICAL USED TO ASSURE ITS ADAPTABILITY TO THE SPECIFIC GROUND COVER TO BE TREATED.

ALL AREAS WITHIN CONTRACT LIMITS DISTURBED DURING OR PRIOR TO CONSTRUCTION NOT DESIGNATED TO RECEIVE PLANTS AND MULCH SHALL BE FINE GRADED AND SEEDED.

**LANDSCAPE DEVELOPER'S CERTIFICATE**

I/We certify that the landscaping shown on this plan will be done according to the plan, Section 16.124 of the Howard County Code and the Howard County Landscape Manual. I/We further certify that upon completion a letter of landscape installation accompanied by an executed one year guarantee of plant materials will be submitted to the Department of Planning and Zoning.

Luan Wu  
Name  
8/8/2023  
Date

**PROFESSIONAL CERTIFICATION**

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Frank Mandalansan II  
Name  
8/8/2023  
Date

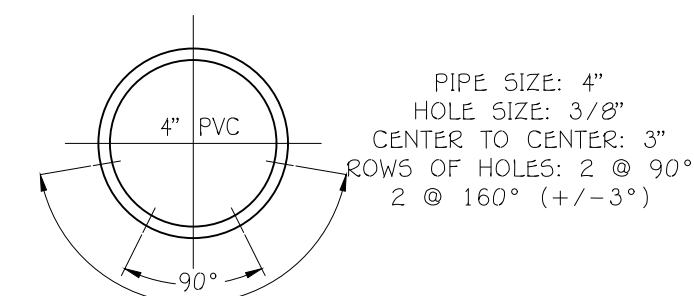


**OWNER/DEVELOPER**

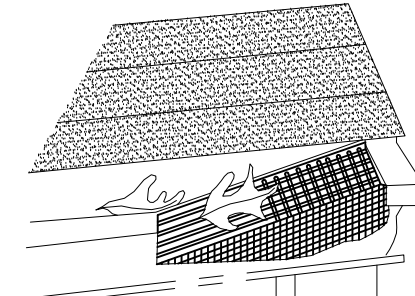
YALI LI & HUAN WU  
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LANDSCAPE PLAN  
**YALI LI PROPERTY**  
LOTS 1 & 2  
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SHEET 4 OF 5





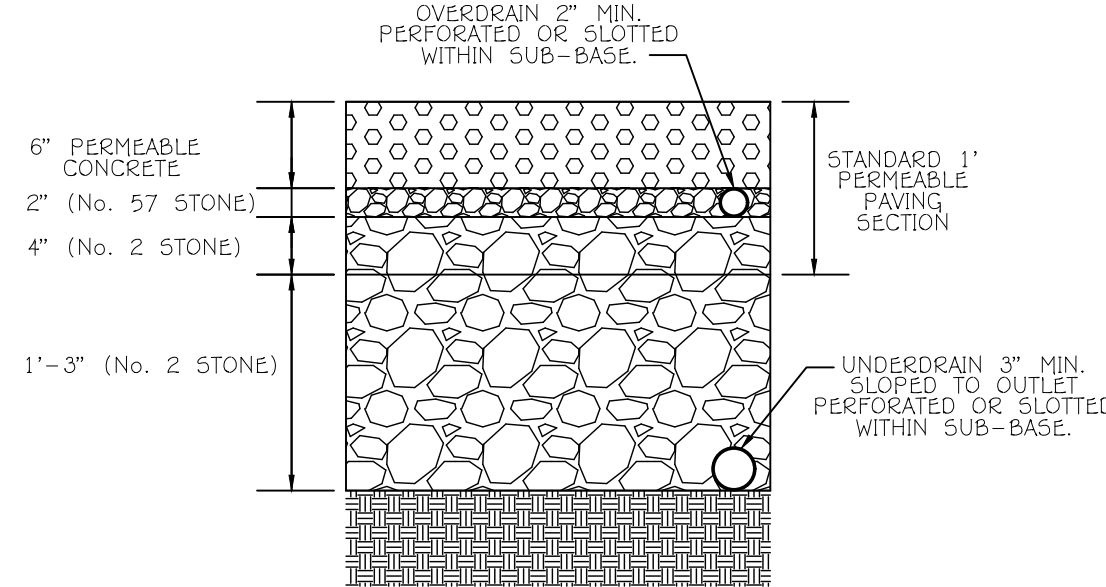
**4" Sch 40 Pvc Perforated Underdrain Pipe Detail For Horizontal Drain Pipe**  
NO SCALE



**GUTTER DRAIN FILTER DETAIL**  
NOT TO SCALE

**OPERATION AND MAINTENANCE SCHEDULE FOR DRYWELLS (M-5)**

- THE OWNER SHALL INSPECT THE MONITORING WELLS AND STRUCTURES ON A QUARTERLY BASIS AND AFTER EVERY HEAVY STORM EVENT.
- THE OWNER SHALL RECORD THE WATER LEVELS AND SEDIMENT BUILD UP IN THE MONITORING WELLS OVER A PERIOD OF SEVERAL DAYS TO INSURE TRENCH DRAINAGE.
- THE OWNER SHALL MAINTAIN A LOG BOOK TO DETERMINE THE RATE AT WHICH THE FACILITY DRAINS.
- WHEN THE FACILITY BECOMES CLOGGED SO THAT IT DOES NOT DRAIN DOWN WITHIN A SEVENTY TWO (72) HOUR TIME PERIOD, CORRECTIVE ACTION SHALL BE TAKEN.
- THE MAINTENANCE LOG BOOK SHALL BE AVAILABLE TO HOWARD COUNTY FOR INSPECTION TO INSURE COMPLIANCE WITH OPERATION AND MAINTENANCE CRITERIA.
- ONCE THE PERFORMANCE CHARACTERISTICS OF THE INFILTRATION FACILITY HAVE BEEN VERIFIED THE MONITORING SCHEDULE CAN BE REDUCED TO AN ANNUAL BASIS UNLESS THE PERFORMANCE DATA INDICATES THAT A MORE FREQUENT SCHEDULE IS REQUIRED.

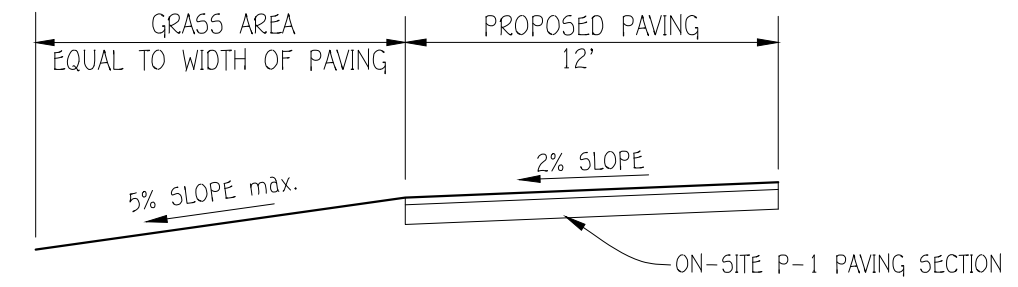


**TYPICAL SECTION - A-2 PERMEABLE SECTION w/ OVERDRAIN & UNDERDRAIN**  
NO SCALE  
(SEE CHART ABOVE FOR PAVEMENT THICKNESS)

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

- The owner shall periodically sweep (or vacuum porous concrete pavement) the pavement surfaces to reduce sediment accumulation and insure continued surface porosity. Sweeping should be performed at least twice annually with a commercial cleaning unit. Washing or compressed air units should not be used to perform surface cleaning.
- The owner shall periodically clean drainage pipes, inlets, stone edge drains and other structures within or draining to the subbase.
- The owner shall use deicers in moderation. Deicers should be non-toxic and be applied either as calcium magnesium acetate or as pretreated salt.
- The owner shall ensure snow plowing is performed carefully with blades set one inch above the surface. Plowed snow piles and snowmelt should not be directed to permeable pavement.

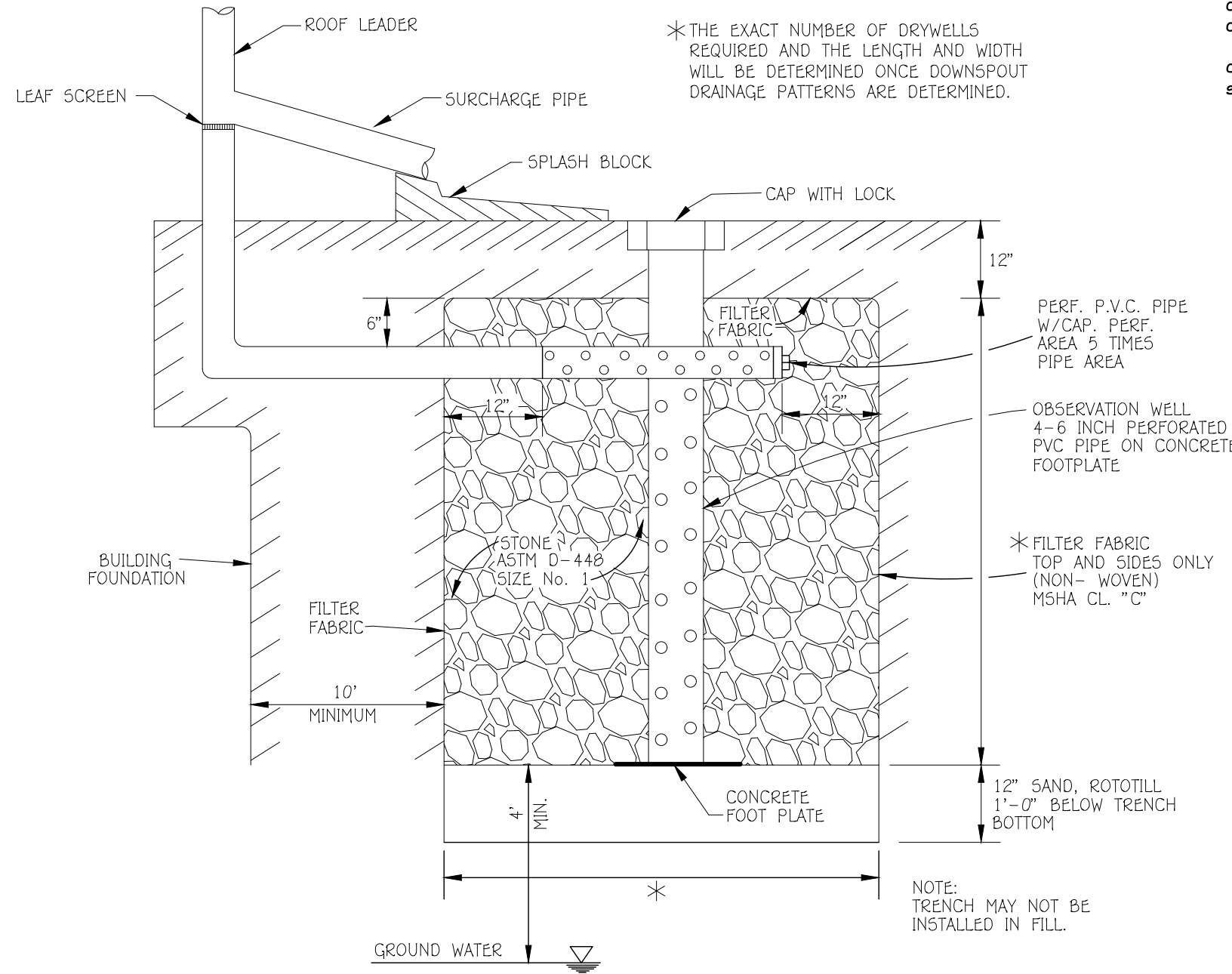
PERMEABLE PAVING CHART	
PERM. PAV. AREA NO.	DEPTH
A-2(1)	1.8'



**TYPICAL DRIVEWAY SECTION FOR NON-ROOFTOP DISCONNECT CREDIT**  
NOT TO SCALE

**OPERATION & MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED, DISCONNECTION OF NON-ROOFTOP RUNOFF (N-2)**

- MAINTENANCE OF AREAS RECEIVING DISCONNECTION RUNOFF IS GENERALLY NO DIFFERENT THAN THAT REQUIRED FOR OTHER LAWN OR LANDSCAPED AREAS. THE AREAS RECEIVING RUNOFF SHOULD BE PROTECTED FROM FUTURE CONSTRUCTION OR DEVELOPMENT OF IMPERVIOUS AREA IN COMMERCIAL AREAS FOOT TRAFFIC SHOULD BE DISCOURAGED AS WELL.

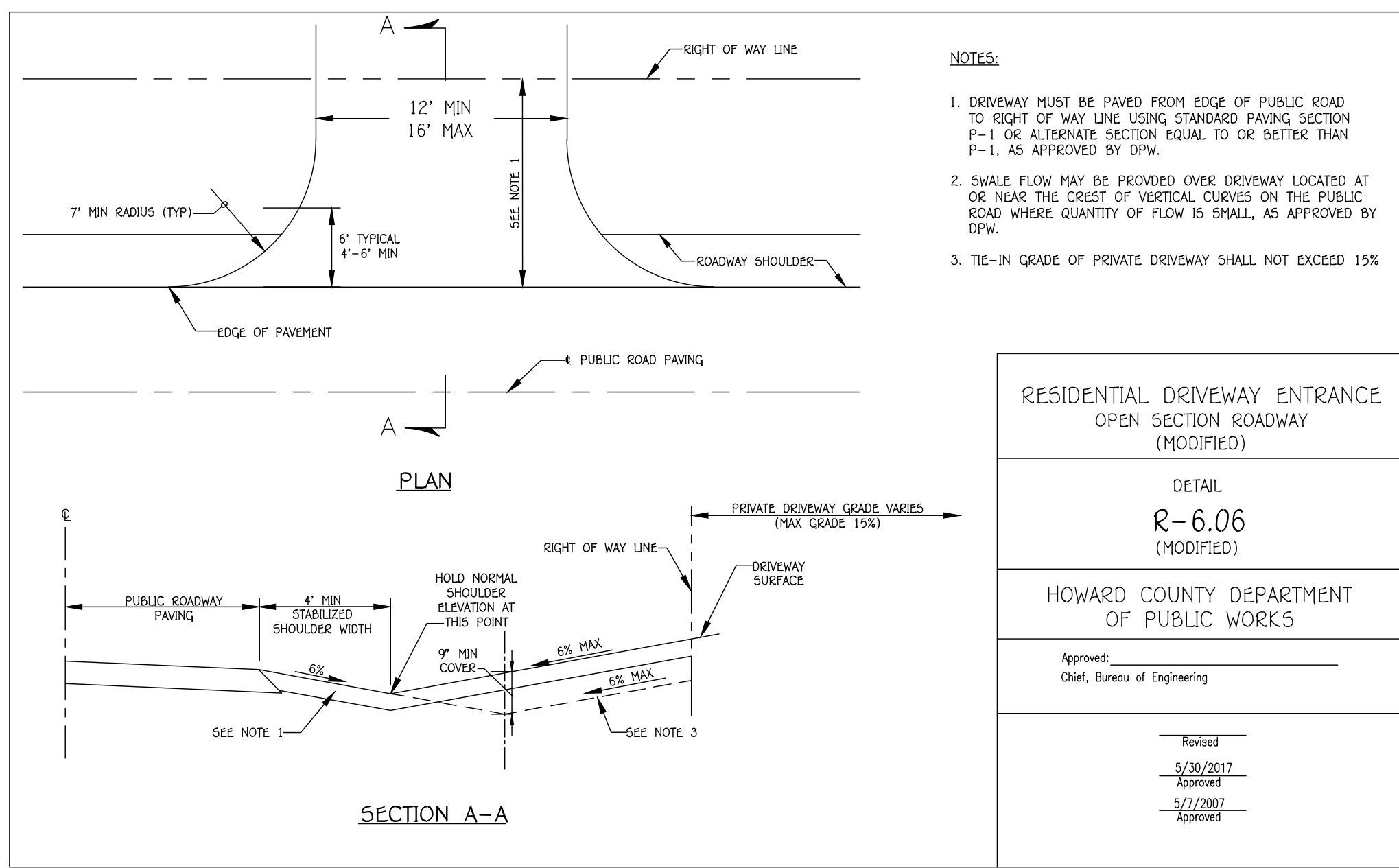


**DRY WELL DETAIL**  
NOT TO SCALE

**SEQUENCE OF CONSTRUCTION**

- OBTAIN A GRADING PERMIT AND HOLD PRE-CONSTRUCTION MEETING WITH COUNTY INSPECTOR. (2 WEEKS)
- NOTIFY 'MISS UTILITY' AT LEAST 48 HOURS BEFORE BEGINNING ANY WORK AT 1-800-251-7777. NOTIFY THE HOWARD COUNTY OFFICE OF CONSTRUCTION INSPECTION AT 410-319-1330 AT LEAST 24 HOURS BEFORE STARTING WORK.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE, SUPER SILT FENCE, TREE PROTECTIVE FENCING AND TRAFFIC CONTROL IF REQUIRED. (1 DAY)
- COMMENCE REMOVAL OF NECESSARY TREES AND ROUGH GRADE LOTS. (1 WEEK)
- COMMENCE INSTALLATION OF TEMPORARY SEEDING. (1 DAY)
- COMMENCE CONSTRUCTION OF HOUSE, SIDEWALK AND INSTALLATION OF SEWER AND WATER HOUSE CONNECTIONS. (4 MONTHS)
- COMMENCE FINE GRADING AND INSTALLATION OF PERMANENT SEEDING. (3 DAYS)
- ONCE SITE IS STABILIZED AND WITH THE PERMISSION OF SEDIMENT CONTROL INSPECTOR, INSTALL DRYWELLS AND BIO-RETENTION FACILITY. (1 MONTH)
- COMMENCE ROAD WEEDING HILL AND OVERLAY WHERE REQUIRED AS WELL AS ANY FINAL DRIVEWAY SURFACING. (2 WEEKS)
- ALL FINAL GRADING AND STABILIZATION SHOULD BE COMPLETED BEFORE ANY REMOVAL OF CONTROLS. WHEN ALL CONSTRUCTIVE AREAS TO THE SEDIMENT CONTROL DEVICES HAVE BEEN STABILIZED AND WITH THE PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, THE SEDIMENT CONTROL DEVICES MAY BE REMOVED. (3 DAYS)

NOTE: THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE EACH RAINFALL AND ON A DAILY BASIS.



- NOTES:**
- DRIVEWAY MUST BE PAVED FROM EDGE OF PUBLIC ROAD TO RIGHT OF WAY LINE USING STANDARD PAVING SECTION P-1 OR ALTERNATE SECTION EQUAL TO OR BETTER THAN P-1, AS APPROVED BY DPM.
  - SMALL FLOW MAY BE PROVIDED OVER DRIVEWAY LOCATED AT OR NEAR THE CREST OF VERTICAL CURVES ON THE PUBLIC ROAD WHERE QUANTITY OF FLOW IS SMALL, AS APPROVED BY DPM.
  - THE IN-GRADE OF PRIVATE DRIVEWAY SHALL NOT EXCEED 15%.

RESIDENTIAL DRIVEWAY ENTRANCE  
OPEN SECTION ROADWAY  
(MODIFIED)

DETAIL  
R-6.06  
(MODIFIED)

HOWARD COUNTY DEPARTMENT  
OF PUBLIC WORKS

Approved: \_\_\_\_\_  
Chief, Bureau of Engineering

Revised: 5/30/2017  
Approved: 5/17/2007  
Approved: \_\_\_\_\_

**PAVING SECTION**

SECTION NUMBER	ROAD AND STREET CLASSIFICATION	CALIFORNIA BEARING RATIO (CBR) (INCHES)	3 TO <5		5 TO <7		7 TO <10		10 TO <15	
			MIN HMA WITH GAB	HMA WITH CONSTANT GAB	MIN HMA WITH GAB	HMA WITH CONSTANT GAB	MIN HMA WITH GAB	HMA WITH CONSTANT GAB		
P-1	PARKING BAYS: RESIDENTIAL AND NON-RESIDENTIAL	HMA SUPERPAVE FINAL SURFACE 9.5 MM, PG 64-22, LEVEL 1 (ESAL)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	PARKING DRIVE ASILES: RESIDENTIAL AND NON-RESIDENTIAL WITH NO MORE THAN 2 HEAVY TRUCKS PER DAY	HMA SUPERPAVE INTERMEDIATE SURFACE N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		HMA SUPERPAVE BASE 19.0 MM, PG 64-22, LEVEL 1 (ESAL)	2.0	2.0	2.0	3.5	3.0	2.5		
		GRADED AGGREGATE BASE (GAB)	8.5	7.0	5.0	4.0	4.0	4.0		



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Frank Manalansan II  
Date: 7/26/2023

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