

THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA. RECORDATION OF THE MODIFIED SEWAGE DISPOSAL AREA SHALL NOT BE NECESSARY.

LEGEND

- EX. 10' CONTOUR
- EX. 2' CONTOUR
- EX. SEPTIC AREA
- EX. TREES
- PROG. TEST
- PROPOSED WELL SITE
- EX. WELL LOCATION
- EX. SOL. LINES
- EX. TREE CANOPY
- MINIMUM BUILDING LINE

VICINITY MAP Scale: 1"=200'

DORSEY MILL RD
ROXBURY RD
SITE

DATA TABULATIONS
1. ZONING DISTRICT: RC-080
2. NUMBER OF BUILDING SITES: 1
3. TOTAL AREA OF LOT: 1.061 ACRES

GENERAL NOTES

- CURRENT TITLE REFERENCE: OWNER: TODD & STEPHANIE TRAVIS DEED REFERENCE: L. 15313, P. 191 DATE: NOVEMBER 01, 2013 GRANTOR: TOLL, MD V&L LIMITED PARTNERSHIP
- THE LOT SHOWN HEREON CORRELATES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THE TOPOGRAPHY SHOWN HEREON IS BASED ON HOWARD COUNTY 2007 SCALE 1"=40' MAPS AND VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY. TOPOGRAPHY OF THE PROPOSED SEWAGE DISPOSAL AREA WAS FIELD VERIFIED BY CLSI. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
- ANY CHANGES TO THE LOCATIONS OR DEPTH TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED PLAN MAY BE REQUIRED. THE WELL TAG # H-036-2168 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN ON THE PLAN.
- ALL STORMWATER MANAGEMENT DEVICES WILL MEET HOWARD COUNTY SETBACKS TO ALL WELL SITES AND ON-SITE DISPOSAL SYSTEMS.
- THE BOUNDARY SURVEY SHOWN HEREON IS FROM THE RECORDED PLAT. NO BOUNDARY SURVEY WAS PERFORMED NOR CERTIFIED BY CLSI.
- NO BUILDING PERMIT APPROVAL WILL BE GIVEN UNTIL THE PROPOSED ADDITIONAL SEPTIC TRENCH HAS BEEN INSTALLED AND APPROVED BY HOWARD COUNTY HEALTH DEPARTMENT.
- THIS PLAN IS A BENEFIT TO THE CUSTOMER ONLY INsofar as it is required by HOWARD COUNTY FOR THE PURPOSE OF THE APPROVAL OF THE PERCOLATION TEST. IT IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OF BOUNDARY, EASEMENT OR RIGHT-OF-WAY LINES FOR ANY REASON, SUCH AS THE LOCATION OF FENCES, GARAGES, BUILDINGS OR FUTURE IMPROVEMENTS, OFFSETS OF BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS, OFFSETS OF BUILDINGS TO PROPERTY LINE ARE TO THE NEAREST FOOT (1) UNLESS OTHERWISE NOTED.

EXISTING SEPTIC SYSTEM & UPGRADE

APPLICATION RATE = 12 GPD/SF
EFFECTIVE DEPTH = 2 FT OF SIDEWALL
MAX BOTTOM DEPTH = 6.5 FT
TRENCH WIDTH = 3 FT
150 GAL X 6 BEDROOMS = 900 GPD

EXISTING 2,000 GALLON SEPTIC TANK TO REMAIN

EXISTING TRENCHES:
(1) 54 FT TRENCH
(1) 74 FT TRENCH
ADD TO EXISTING SYSTEM:
(1) 74 FT TRENCH TO THE EXISTING SYSTEM
(1) SPACING BETWEEN TRENCHES SIDEWALL TO SIDEWALL

BEST REPAIR SYSTEM

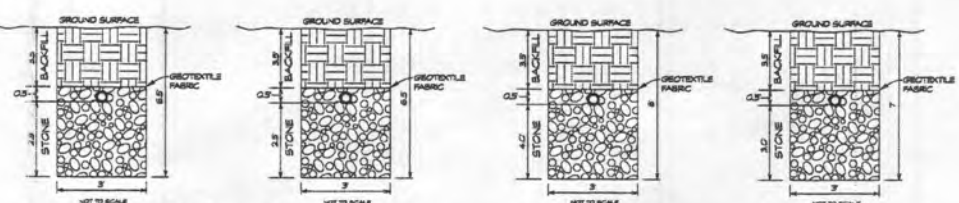
APPLICATION RATE = 12 GPD/SF
EFFECTIVE DEPTH = 4 FT OF SIDEWALL
MAX BOTTOM DEPTH = 6 FT
TRENCH WIDTH = 3 FT
150 GAL X 6 BEDROOMS = 900 GPD
900 GPD / 12 GPD/SF = 750 SF
750 SF / 3 FT WIDE TRENCH = 250 LF
250 LF X .42 = 105 LF OF DEEP TRENCH

USE (2) 52.5 FT TRENCHES PER SYSTEM
1" SPACING BETWEEN TRENCHES SIDEWALL TO SIDEWALL

SECOND REPAIR SYSTEM

APPLICATION RATE = 0.8 GPD/SF
EFFECTIVE DEPTH = 2 FT OF SIDEWALL
MAX BOTTOM DEPTH = 1 FT
TRENCH WIDTH = 3 FT
150 GAL X 6 BEDROOMS = 900 GPD
900 GPD / 0.8 GPD/SF = 1125 SF
1125 SF / 3 FT WIDE TRENCH = 375 LF
375 LF X .42 = 157.5 LF OF DEEP TRENCH

USE (4) 47 FT TRENCHES PER SYSTEM
1" SPACING BETWEEN TRENCHES SIDEWALL TO SIDEWALL



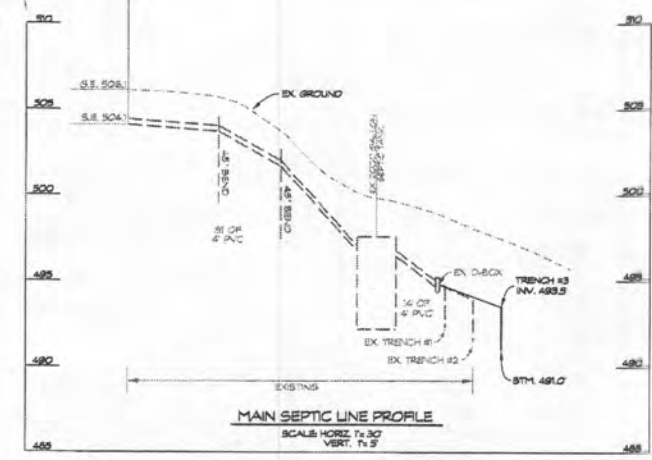
EXISTING SYSTEM SPECIFICATIONS
INSTALLATION DEPTH = .85' TO BOTTOM OF TRENCH
DEPTH OF STONE BELOW PIPE = 2.5'

SYSTEM SPECIFICATIONS
INSTALLATION DEPTH = .85' TO BOTTOM OF TRENCH
DEPTH OF STONE BELOW PIPE = 2.5'

SYSTEM SPECIFICATIONS
INSTALLATION DEPTH = .8' TO BOTTOM OF TRENCH
DEPTH OF STONE BELOW PIPE = 2'

SYSTEM SPECIFICATIONS
INSTALLATION DEPTH = .8' TO BOTTOM OF TRENCH
DEPTH OF STONE BELOW PIPE = 2'

EXISTING SYSTEM		ADDITIONAL EXISTING SYSTEM		FIRST REPAIR SYSTEM		SECOND REPAIR SYSTEM	
TRENCH #1		TRENCH #5		TRENCH #16		TRENCH #16	
TRENCH LENGTH: 34.0 FEET		TRENCH LENGTH: 74 FEET		TRENCH LENGTH: 52.5 FEET		TRENCH LENGTH: 47.0 FEET	
EX. GROUND ELEV: 488.80		EX. GROUND ELEV: 487.30		EX. GROUND ELEV: 488.40		EX. GROUND ELEV: 484.30	
LATERAL INVERT: 488.40		LATERAL INVERT: 488.30		LATERAL INVERT: 488.40		LATERAL INVERT: 488.30	
TRENCH BOTTOM: 489.30		TRENCH BOTTOM: 488.00		TRENCH BOTTOM: 488.40		TRENCH BOTTOM: 488.30	
EFFECTIVE DEPTH: 2.0 FEET		EFFECTIVE DEPTH: 2.0 FEET		EFFECTIVE DEPTH: 4.0 FEET		EFFECTIVE DEPTH: 2.0 FEET	
DEPTH OF GRAVEL: 3.0 FEET		DEPTH OF GRAVEL: 3.0 FEET		DEPTH OF GRAVEL: 4.5 FEET		DEPTH OF GRAVEL: 3.5 FEET	
TRENCH #2		TRENCH #6		TRENCH #17		TRENCH #17	
TRENCH LENGTH: 74.0 FEET		TRENCH LENGTH: 47.0 FEET		TRENCH LENGTH: 52.5 FEET		TRENCH LENGTH: 47.0 FEET	
EX. GROUND ELEV: 488.80		EX. GROUND ELEV: 488.40		EX. GROUND ELEV: 488.40		EX. GROUND ELEV: 484.30	
LATERAL INVERT: 488.40		LATERAL INVERT: 488.30		LATERAL INVERT: 488.40		LATERAL INVERT: 488.30	
TRENCH BOTTOM: 489.30		TRENCH BOTTOM: 488.00		TRENCH BOTTOM: 488.40		TRENCH BOTTOM: 488.30	
EFFECTIVE DEPTH: 2.0 FEET		EFFECTIVE DEPTH: 2.0 FEET		EFFECTIVE DEPTH: 4.0 FEET		EFFECTIVE DEPTH: 2.0 FEET	
DEPTH OF GRAVEL: 3.0 FEET		DEPTH OF GRAVEL: 3.0 FEET		DEPTH OF GRAVEL: 4.5 FEET		DEPTH OF GRAVEL: 3.5 FEET	
TRENCH #3		TRENCH #7		TRENCH #18		TRENCH #18	
TRENCH LENGTH: 34.0 FEET		TRENCH LENGTH: 47.0 FEET		TRENCH LENGTH: 52.5 FEET		TRENCH LENGTH: 47.0 FEET	
EX. GROUND ELEV: 488.80		EX. GROUND ELEV: 488.40		EX. GROUND ELEV: 488.40		EX. GROUND ELEV: 484.30	
LATERAL INVERT: 488.40		LATERAL INVERT: 488.30		LATERAL INVERT: 488.40		LATERAL INVERT: 488.30	
TRENCH BOTTOM: 489.30		TRENCH BOTTOM: 488.00		TRENCH BOTTOM: 488.40		TRENCH BOTTOM: 488.30	
EFFECTIVE DEPTH: 2.0 FEET		EFFECTIVE DEPTH: 2.0 FEET		EFFECTIVE DEPTH: 4.0 FEET		EFFECTIVE DEPTH: 2.0 FEET	
DEPTH OF GRAVEL: 3.0 FEET		DEPTH OF GRAVEL: 3.0 FEET		DEPTH OF GRAVEL: 4.5 FEET		DEPTH OF GRAVEL: 3.5 FEET	



PURPOSE NOTE:
THE PURPOSE OF THIS PLAN IS TO DEMONSTRATE A 6 BEDROOM (900GPD) DESIGN FOR THE PURPOSE OF ADDING 2 ADDITIONAL BASEMENT BEDROOMS TO THE EXISTING FOUR BEDROOM DWELLING. THE EXISTING ON-SITE SEWAGE DISPOSAL SYSTEM WILL BE UPGRADED WITH ONE ADDITIONAL 74 FOOT TRENCH AS SHOWN HEREON.

OWNER/DEVELOPER
TODD TRAVIS
STEPHANIE TRAVIS
14900 MERIWETHER DRIVE
GLENELG, MD 21737

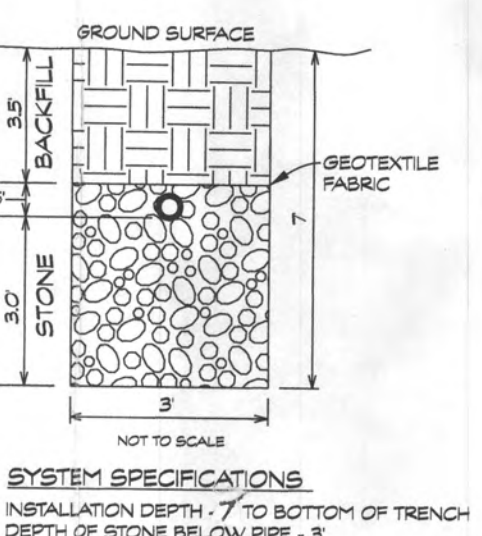
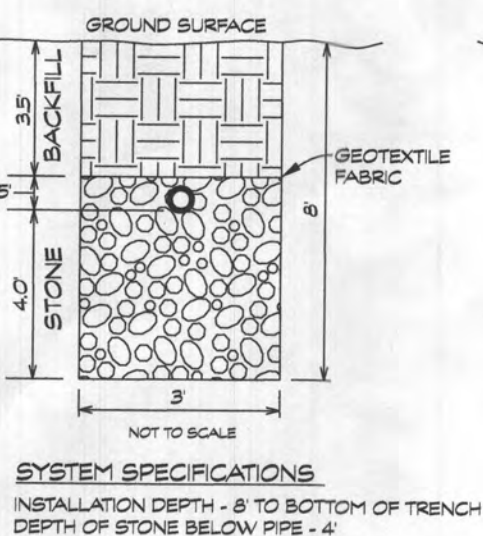
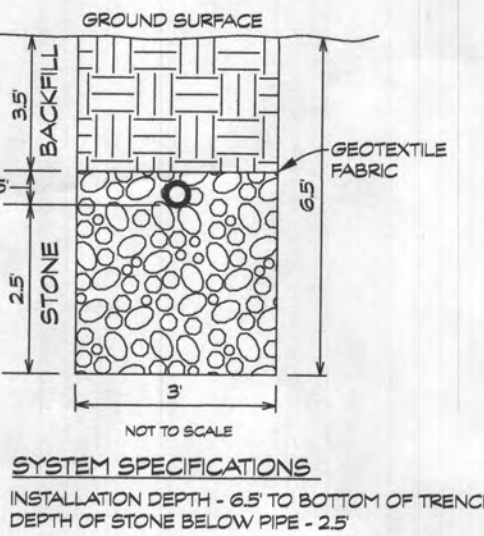
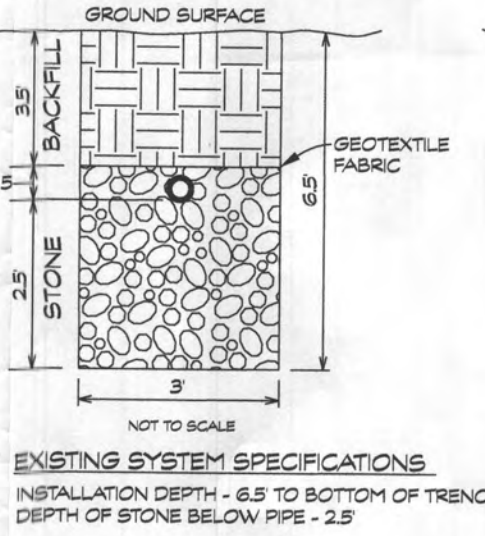
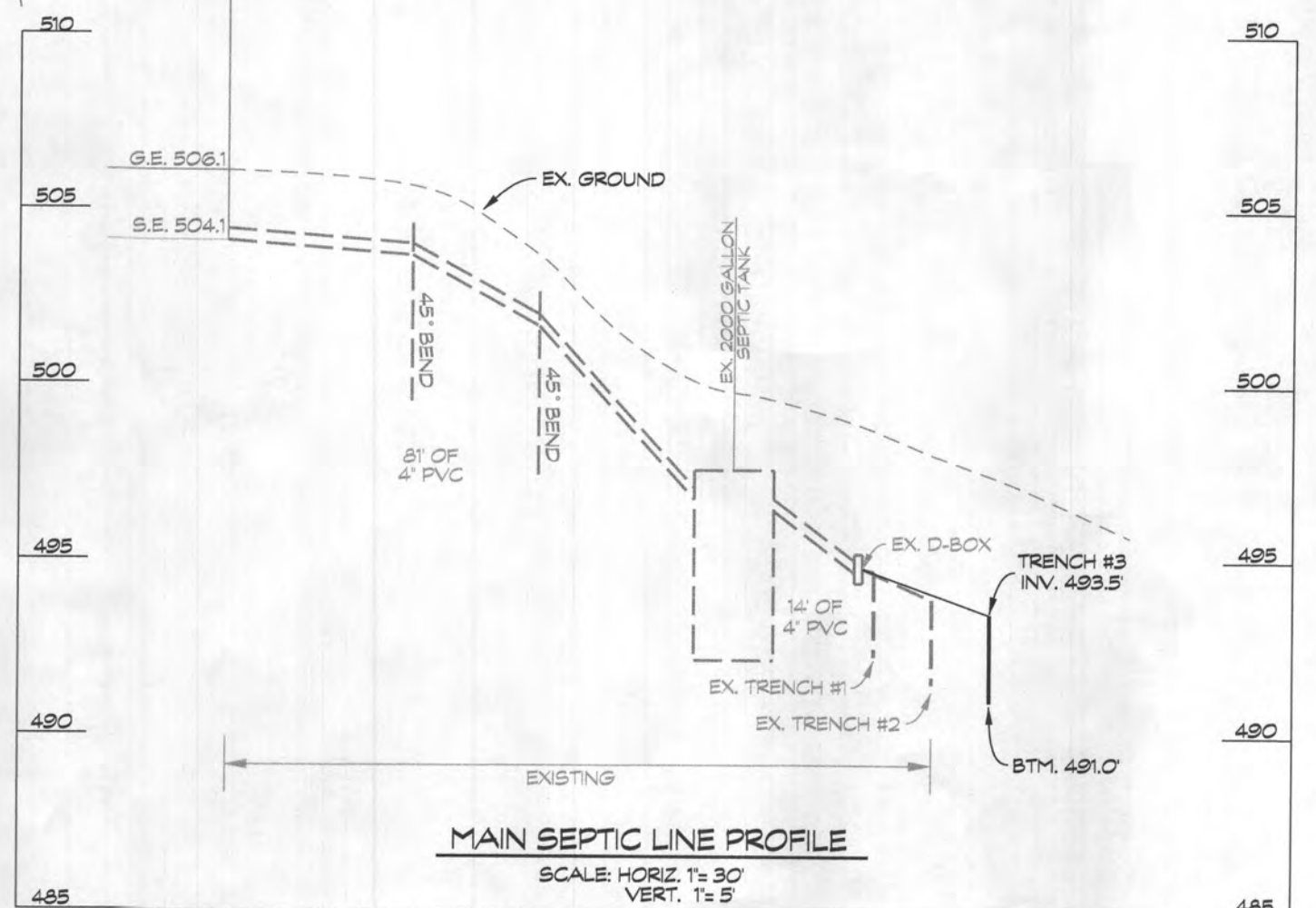
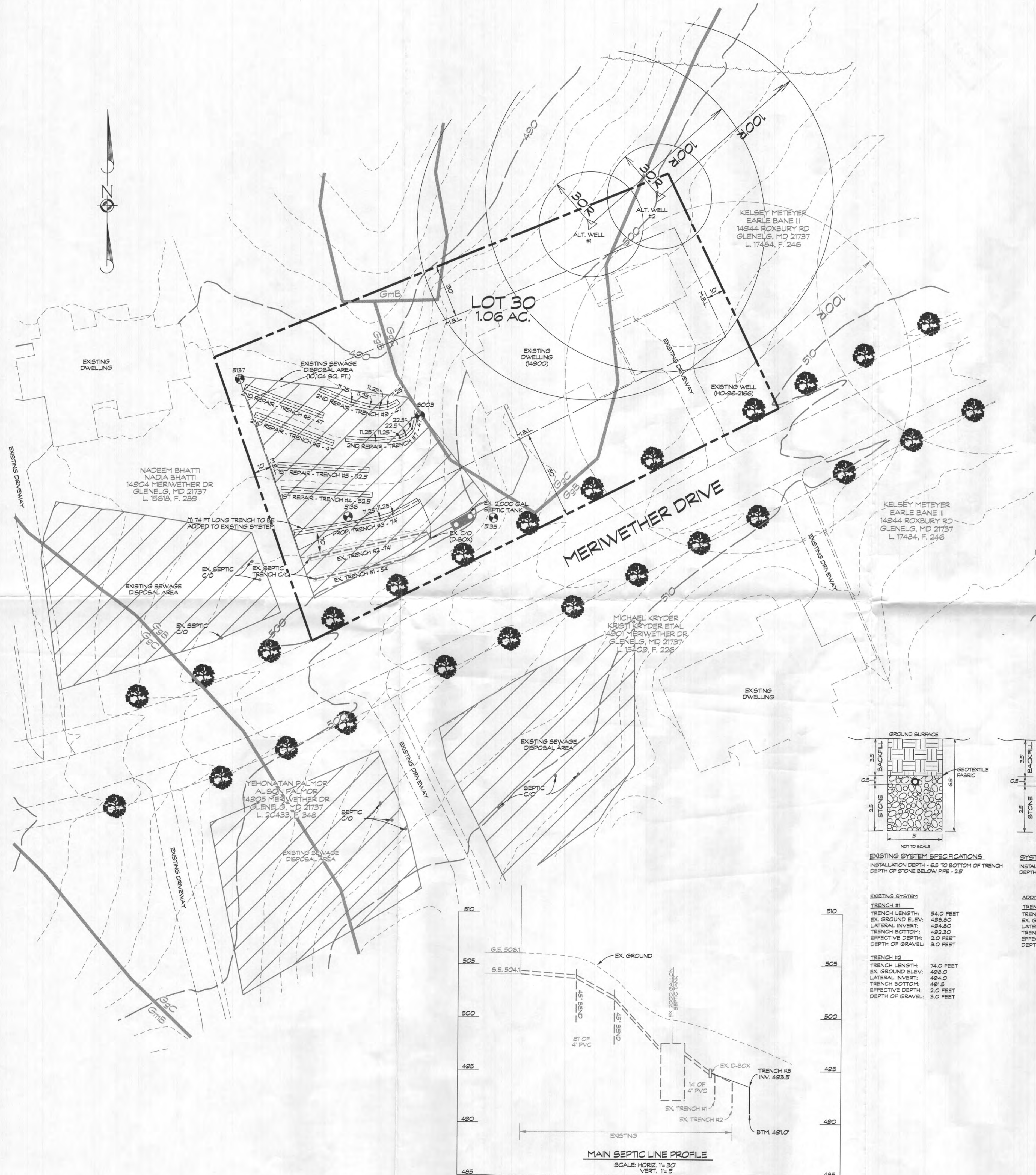
ON-SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN
MERIWETHER FARM - LOT 30
14900 MERIWETHER DRIVE * GLENELG, MD 21737
TAX ID#: 04-593671
TAX MAP: 21 * GRID: 16 * PARCEL: 28
4TH ELECTION DISTRICT * HOWARD COUNTY MARYLAND

M. Shapley LEHS 2/21/24

CLSI
Civil & Environmental Engineers & Surveyors
www.csi-clsi.com

439 East Main Street Westminster, MD 21157-5539
(410) 848-1790 FAX (410) 848-1791

Date	Revisions	Drawn By	MS
		Designed By	MS
		Reviewed By	
		Date	FEBRUARY, 2024
		Scale	1" = 30'
		Job No.	2023273
		Sheet	1 OF 1



EXISTING SYSTEM

TRENCH #1	TRENCH #2
TRENCH LENGTH: 54.0 FEET	TRENCH LENGTH: 74.0 FEET
EX. GROUND ELEV: 488.80	EX. GROUND ELEV: 491.50
LATERAL INVERT: 484.80	LATERAL INVERT: 489.50
TRENCH BOTTOM: 482.30	TRENCH BOTTOM: 481.00
EFFECTIVE DEPTH: 2.0 FEET	EFFECTIVE DEPTH: 2.0 FEET
DEPTH OF GRAVEL: 3.0 FEET	DEPTH OF GRAVEL: 3.0 FEET

ADDITION TO EXISTING SYSTEM

TRENCH #3	TRENCH #4
TRENCH LENGTH: 74 FEET	TRENCH LENGTH: 52.5 FEET
EX. GROUND ELEV: 491.50	EX. GROUND ELEV: 486.40
LATERAL INVERT: 489.50	LATERAL INVERT: 482.40
TRENCH BOTTOM: 481.00	TRENCH BOTTOM: 488.40
EFFECTIVE DEPTH: 2.0 FEET	EFFECTIVE DEPTH: 4.0 FEET
DEPTH OF GRAVEL: 3.0 FEET	DEPTH OF GRAVEL: 4.5 FEET

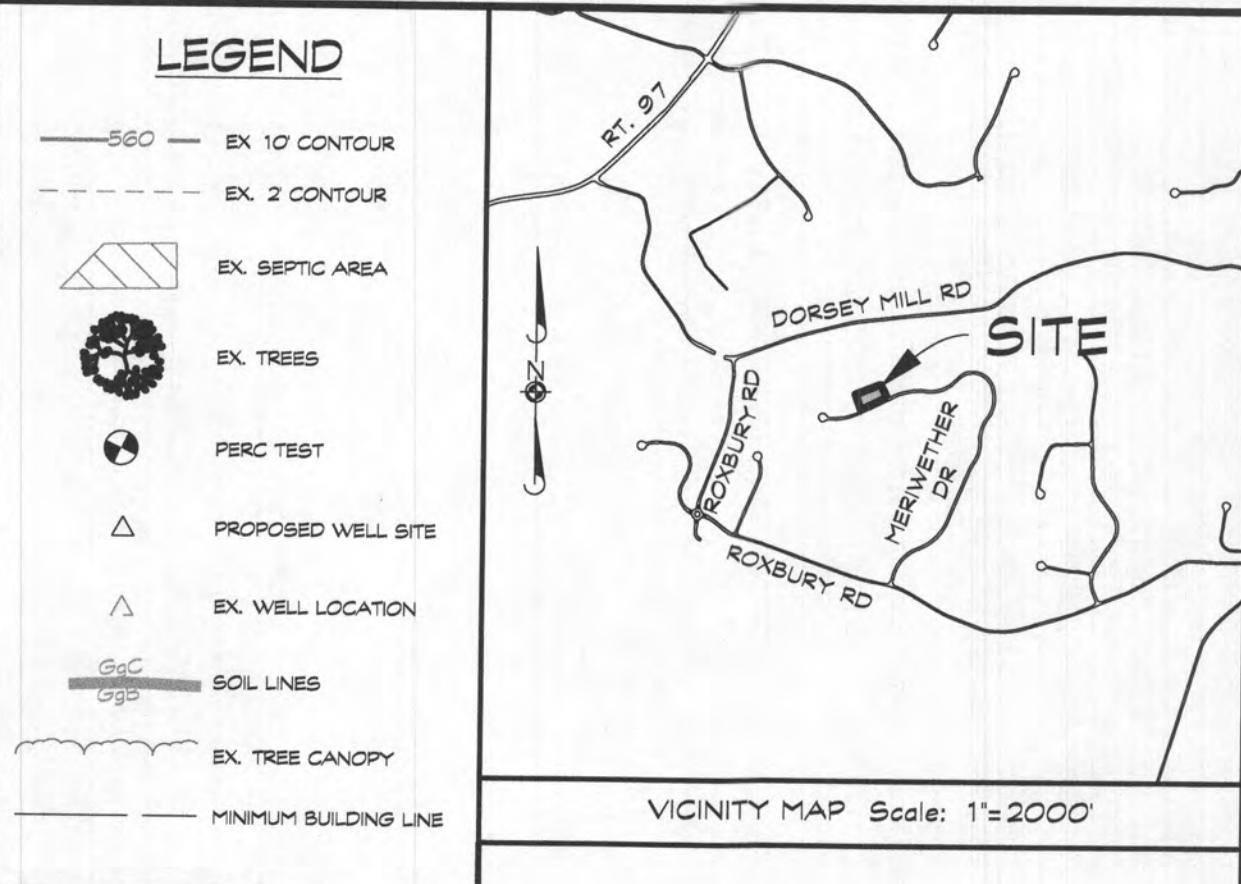
FIRST REPAIR SYSTEM

TRENCH #5	TRENCH #6
TRENCH LENGTH: 52.5 FEET	TRENCH LENGTH: 47.0 FEET
EX. GROUND ELEV: 486.40	EX. GROUND ELEV: 484.20
LATERAL INVERT: 481.40	LATERAL INVERT: 480.00
TRENCH BOTTOM: 487.40	TRENCH BOTTOM: 487.20
EFFECTIVE DEPTH: 4.0 FEET	EFFECTIVE DEPTH: 2.0 FEET
DEPTH OF GRAVEL: 4.5 FEET	DEPTH OF GRAVEL: 3.5 FEET

SECOND REPAIR SYSTEM

TRENCH #7	TRENCH #8
TRENCH LENGTH: 52.5 FEET	TRENCH LENGTH: 47.0 FEET
EX. GROUND ELEV: 486.40	EX. GROUND ELEV: 484.20
LATERAL INVERT: 481.40	LATERAL INVERT: 480.00
TRENCH BOTTOM: 487.40	TRENCH BOTTOM: 487.20
EFFECTIVE DEPTH: 4.0 FEET	EFFECTIVE DEPTH: 2.0 FEET
DEPTH OF GRAVEL: 4.5 FEET	DEPTH OF GRAVEL: 3.5 FEET

THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA. RECORDATION OF THE MODIFIED SEWAGE DISPOSAL AREA SHALL NOT BE NECESSARY.



DATA TABULATIONS

1. ZONING DISTRICT: RC-DEO
2. NUMBER OF BUILDING SITES: 1
3. TOTAL AREA OF LOT: 1.061 ACRES

GENERAL NOTES

1. CURRENT TITLE REFERENCE: OWNER: TODD & STEPHANIE TRAVIS DEED REFERENCE: L 15313, R. 19.1 DATE: NOVEMBER 01, 2013 GRANTOR: TOLL MD VII LIMITED PARTNERSHIP
2. THE LOT SHOWN HEREON COMPLES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
3. THE TOPOGRAPHY SHOWN HEREON IS BASED ON HOWARD COUNTY 200 SCALE TOPO MAPS AND VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY. TOPOGRAPHY OF THE PROPOSED SEWAGE DISPOSAL AREA WAS FIELD VERIFIED BY CLSI. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
4. ANY CHANGES TO THE LOCATIONS OR DEPTH TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED PLAN MAY BE REQUIRED.
5. THE WELL TAG # H0-95-2168 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN ON THE PLAN.
6. ALL STORMWATER MANAGEMENT DEVICES WILL MEET HOWARD COUNTY SETBACKS TO ALL WELL SITES AND ON-SITE DISPOSAL SYSTEMS.
7. NO BOUNDARY SURVEY WAS PERFORMED NOR CERTIFIED BY CLSI. NO BOUNDARY SURVEY WILL BE GIVEN UNTIL THE PROPOSED ADDITIONAL SEPTIC TRENCH HAS BEEN INSTALLED AND APPROVED BY HOWARD COUNTY HEALTH DEPARTMENT.
8. THIS PLAN IS A BENEFIT TO THE CUSTOMER ONLY INsofar AS IT IS REQUIRED BY HOWARD COUNTY FOR THE PURPOSE OF THE APPROVAL OF THE PERCOLATION TEST. IT IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OF BOUNDARY, EASEMENT OR RIGHT-OF-WAY LINES FOR ANY REASON, SUCH AS THE LOCATION OF FENCES, GARAGES, BUILDINGS OR FUTURE IMPROVEMENTS, OFFSETS OF BUILDING OR OTHER EXISTING OR FUTURE IMPROVEMENTS. OFFSETS OF BUILDINGS TO PROPERTY LINE ARE TO THE NEAREST FOOT (1) UNLESS OTHERWISE NOTED.

Approved Septic System Plan
Howard County Health Department

Signature: [Signature] Date: [Date]

PURPOSE NOTE:
THE PURPOSE OF THIS PLAN IS TO DEMONSTRATE A 6 BEDROOM (800GPD) DESIGN FOR THE PURPOSE OF ADDING 2 ADDITIONAL BASEMENT BEDROOMS TO THE EXISTING FOUR BEDROOM DWELLING. THE EXISTING ON-SITE SEWAGE DISPOSAL SYSTEM WILL BE UPGRADED WITH ONE ADDITIONAL 74 FOOT TRENCH AS SHOWN HEREON.

OWNER/DEVELOPER

TODD TRAVIS
STEPHANIE TRAVIS
14900 MERIWETHER DRIVE
GLENELG, MD 21737

**ON-SITE SEWGE DISPOSAL
SYSTEM DESIGN PLAN
MERIWETHER FARM - LOT 30**
14900 MERIWETHER DRIVE * GLENELG, MD 21737
TAX ID#: 04-593671
TAX MAP: 21 * GRID: 16 * PARCEL: 28
4TH ELECTION DISTRICT * HOWARD COUNTY MARYLAND

Engineers • Surveyors CLSI Local Planning & Environmental Consultants www.clsi-civileng.com 439 East Main Street Westminster, MD 21157-5539 (410) 848-1790 FAX (410) 848-1791		Matt Shipley, LEHS Qualified Professional
Date	Revisions	Drawn By: MS
4/1/24	ADDRESS HEALTH DEPARTMENT COMMENTS	Designed By: MS
		Reviewed By:
		Date: FEBRUARY, 2024
		Scale: 1" = 30'
		Job No.: 2023273
		Sheet: 1 OF 1

THIS AREA DESIGNATED A PRIVATE SEWERAGE DISPOSAL AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS AREA SHALL BECOME FULLY VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE DISPOSAL AREA. RECORDATION OF A MODIFIED SEWERAGE DISPOSAL AREA SHALL NOT BE NECESSARY.

NORTH

SYMBOL	SOIL	HYDRIC	K-FACTOR	ERODIBLE	WET SEASON
GmB	Glenville Silt Loam, 3%-8% Slopes	NO	0.37	YES	YES
MaC	Manor Loam, 8%-15% Slopes	NO	0.28	NO	NO
GgB	Glenelg Loam, 3%-8% Slopes	NO	0.24	NO	NO
MaD	Manor loam, 15-25% Slopes	NO	0.28	YES	NO

NOTE: HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15% OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR "K" GREATER THAN 0.35 WITH A SLOPE GREATER THAN 5 PERCENT.

JESSICA & PAT-JOSEPH NEWMAN
5141 GREEN BRIDGE ROAD
DAYTON, MARYLAND 21036

2. THIS PROPERTY IS ZONED RR-DEO.
3. THE PROPERTY BOUNDARY SURVEY IS BASED ON CURRENT PLAT AND HOWARD COUNTY GIS DATA.
4. DEED REFERENCE: UGHR 16293 FONSI 334.
5. THE EXISTING TOPOGRAPHY ONLINE IS BASED ON A FIELD RUND SURVEY CONDUCTED BY JNM ENGINEERING IN MARCH, 2024. OFFSITE TOPOGRAPHY IS BASED ON HOWARD COUNTY GIS.
6. ANY CHANGE TO THE SEWERAGE DISPOSAL AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
7. ADJUSTMENTS TO THE SEPTIC AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
8. ALL EXISTING WELLS AND SEWERAGE DISPOSAL AREAS AND COMPONENTS WITHIN 100- FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING/PROPOSED WELLS 200' DOWN GRADIENT FROM EXISTING OR PROPOSED SEPTIC SYSTEMS HAVE BEEN SHOWN FROM THE FIELD SURVEY.
9. A REPLACEMENT SEPTIC SYSTEM MUST BE INSTALLED ACCORDING TO AN APPROVED OSDS PLAN AND THE EXISTING SYSTEM MUST BE PROPERLY ABANDONED WITH THE HEALTH DEPARTMENT PRIOR TO HEALTH DEPARTMENT APPROVAL OF THE BUILDING PERMIT.
10. THE EXISTING SEPTIC TANK SHALL BE PUMPED, APPROPRIATELY BACKFILLED, AND ABANDONED IN ACCORDANCE WITH HEALTH DEPARTMENT STANDARDS.
11. THE EXISTING WELLS SHALL BE ABANDONED AND A NEW WELL MUST BE DRILLED PRIOR TO BUILDING PERMIT APPROVAL.
12. THE EXISTING DRIVEWAY SHALL BE RELOCATED TO ENSURE IT IS NOT LOCATED WITHIN 10 FEET OF THE TANK. THE TANK IS TO BE DRILLED BY THE HEALTH DEPARTMENT SHALL REQUIRE THAT THE DRIVEWAY SECTION BE REMOVED PRIOR TO THE SUBMISSION OF A WELL PERMIT.
13. THE OWNER MUST TO THE LOCATIONS/DEPTHS TO ANY COMPONENTS MUST BE APPROVED WITH THE ENGINEER AND HOHD PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.
14. THE MAXIMUM EARTH COVER OVER THE SEPTIC TANK IS 3- FEET. GREATER EARTH COVER WILL REQUIRE A HEAVY LOAD BEARING TANK.
15. THE WELL SHOULD BE DRILLED PRIOR TO THE INSTALLATION OF THE SEPTIC SYSTEM.
16. ALL TREES WITHIN THE LOCATION OF THE INITIAL AND RESERVE SEPTIC AREAS SHALL BE REMOVED. THE TREES SHALL BE REMOVED PRIOR TO INSTALLING THE PROPOSED SEPTIC SYSTEM.

ZONING: RR-DEO
MIN. LOT AREA = 50,000 SQ FT
MIN. LOT WIDTH AT R/W = 100 FT
MIN. LOT WIDTH AT B.R.L. = 100 FT
FRONT BRL = 50 FT
REAR BRL = 30 FT
SIDE BRL = 10 FT

	EX. PROP. LINE
	EX. FENCE
	SUBJECT PROP. BOUNDARY
	SOIL BOUNDARY
	EX. 2' CONTOUR
	EX. 10' CONTOUR
	EX. WELL
	BUILDING RESTRICTION LINE
	EX. SPOT ELEVATION
	FAILED PERC TEST
	OLD PERC TEST LOCATION (FAILED)
	OLD PERC TEST LOCATION (PASSED)
	PASSED PERC TEST
	PROP. SEWAGE DISPOSAL AREA
	PROP. WELL LOCATION



DATE	BY	REVISION	PROJECT	DATE
			23-0725	4/24
			ILLUSTRATION	ENGINEERING
			JWW	N/A
			1" = 30'	APPROVAL
				JWW

5141 GREEN BRIDGE ROAD

TAX MAP 28, LOT 1, 3.00 ACRES, PLAT 5970
DAYTON, HOWARD COUNTY, MARYLAND

OSDS PLAN

JNM ENGINEERING, LLC

CIVIL ENGINEERING, SURVEYING, LAND PLANNING,
ENVIRONMENTAL, ARBORICULTURE, LEED PROFESSIONALS
1105 LEAFY HOLLOW CIRCLE, MOUNT AIRY, MD 21771
(301) 514-2808, JNMENGINEERINGLLC.COM



1 OF 2

5141 GREEN BRIDGE ROAD
DAYTON, MD 21036
LOT 1, PLAT 5970, MAP 28
PARCEL 80, GRID 13
3.0 ACRES, ACCT#05-394430
OSDS PLAN



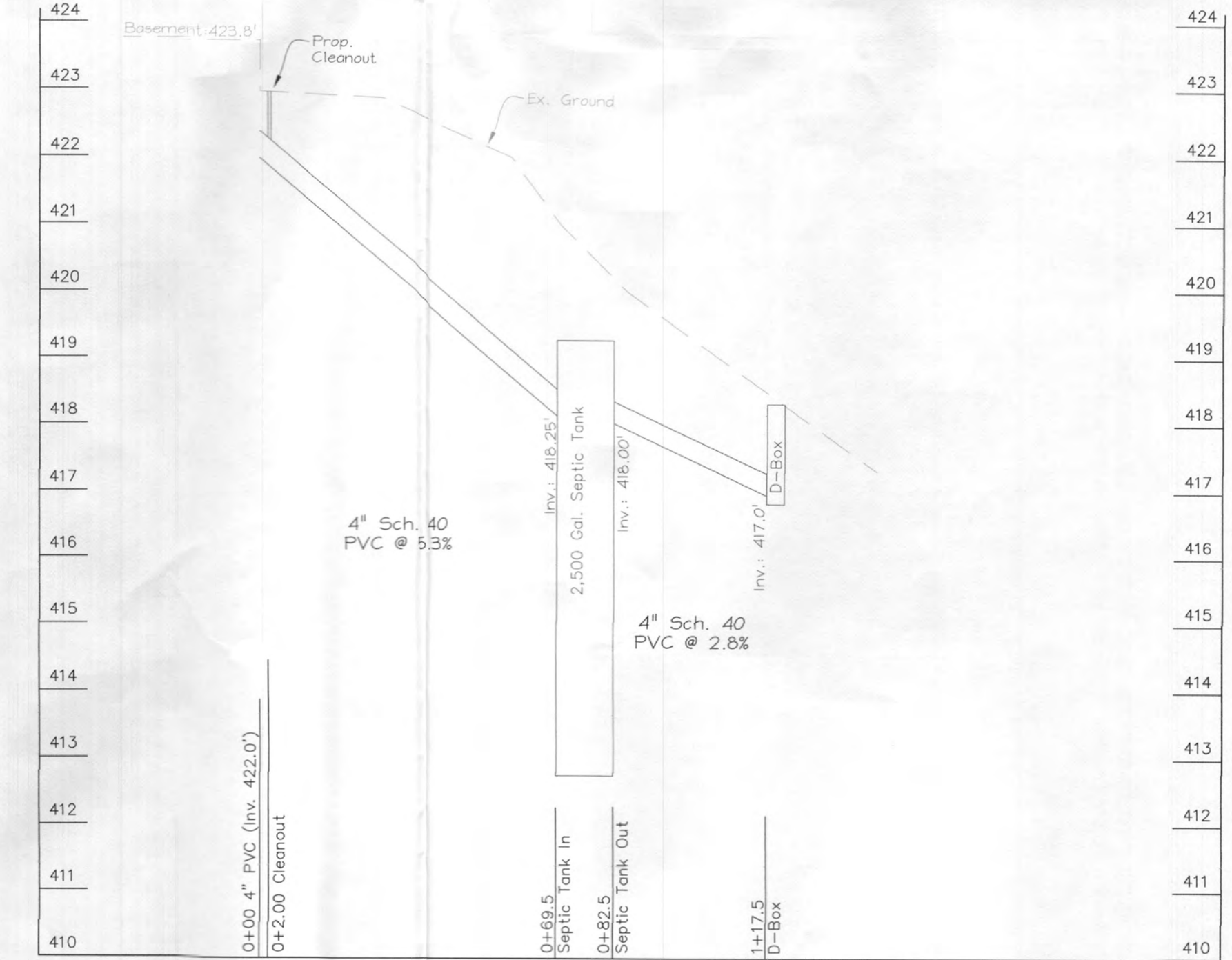
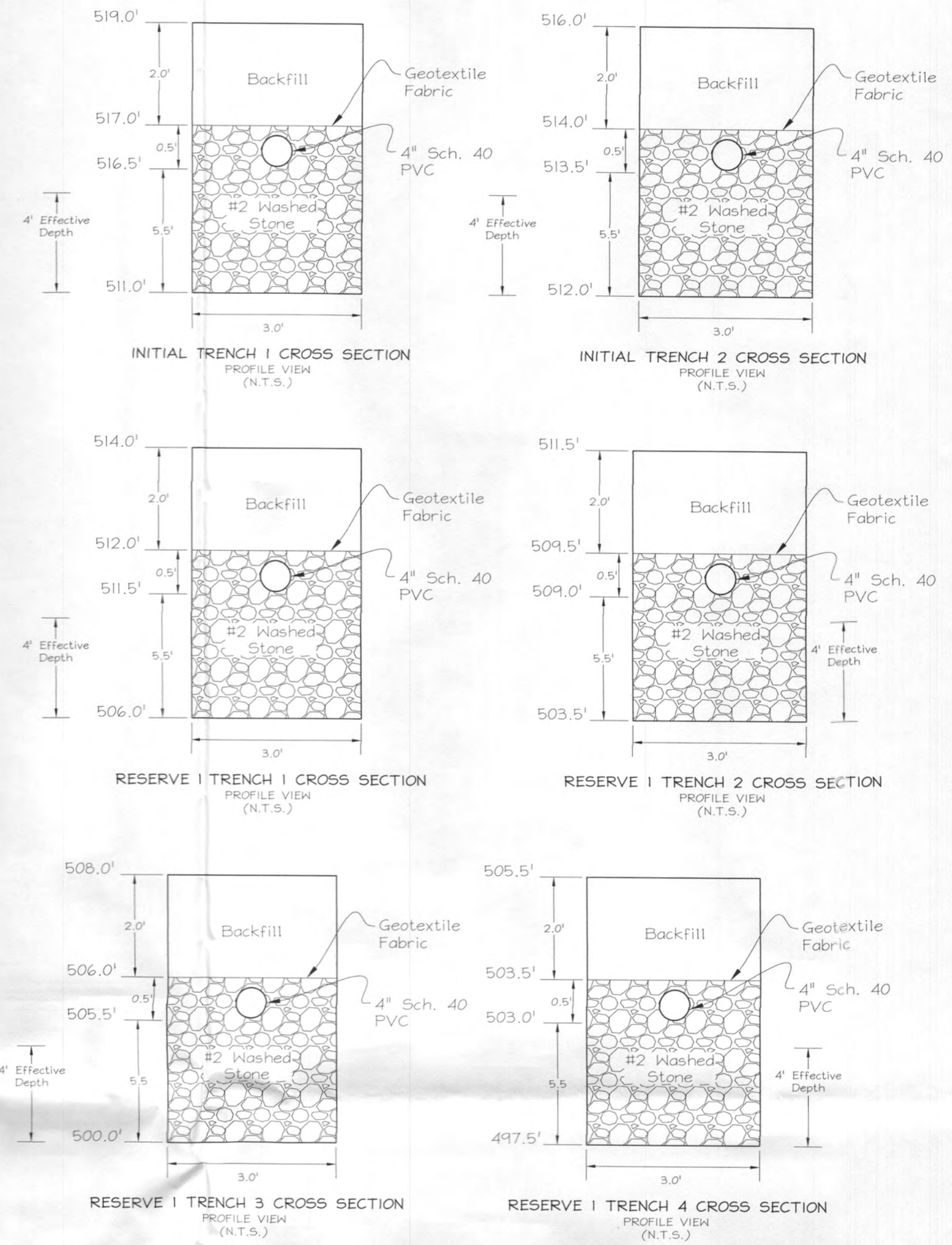
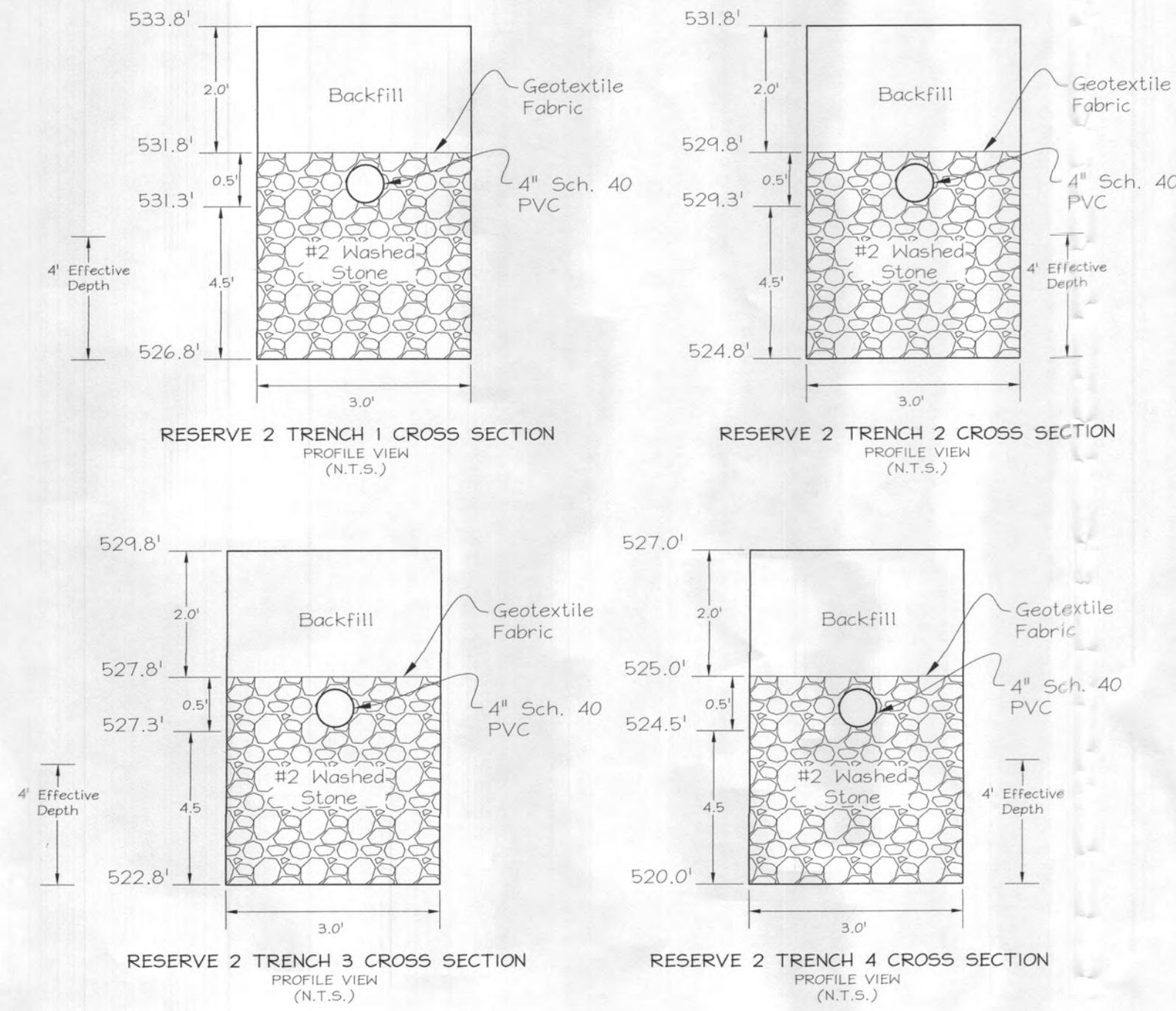
SEPTIC SIZING

System Requirements (1 Initial and 2 replacements).
Number of Bedrooms: Design for 9
Design Load: 750 Gal/Day
Initial System:

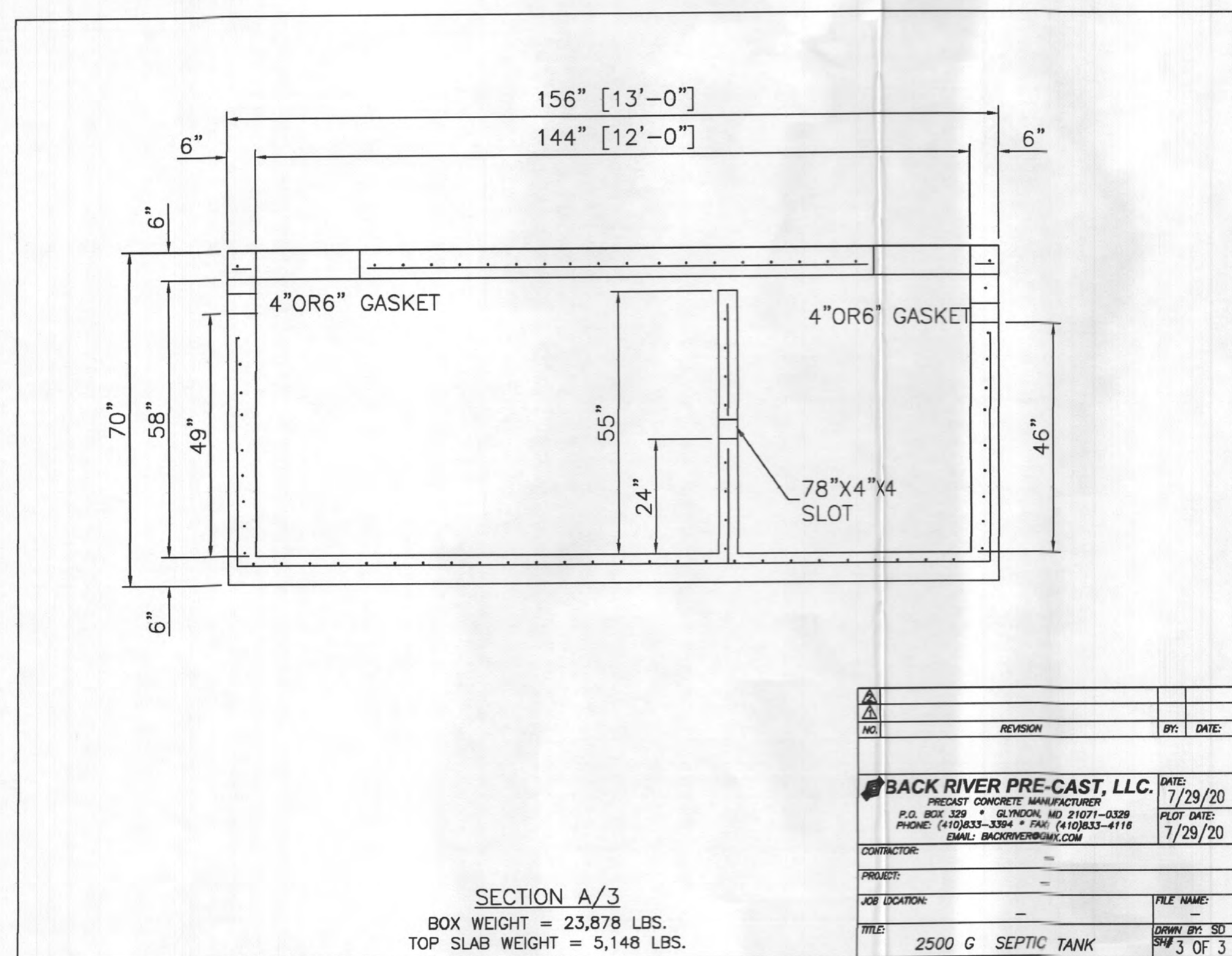
Initial System
Effective Start Depth: 4.0'
Max. Bottom Trench Depth: 8.0'
Inlet Depth: 2.5'
1350 GPD
1350/1.2= 1125
1125/3= 375
375x0.416 (4.0' Sidewall)= 156 LF Required
(Install 2- 78' long trenches)

Reserve System 1
Effective Start Depth: 4.0'
Max. Bottom Trench Depth: 8.0'
Inlet Depth: 2.5'
1350 GPD
1350/1.2= 1125
1125/3= 375
375x0.416 (4.0' Sidewall)= 156 LF Required
(Install 4- 39' long trenches)

Reserve System 2
Effective Start Depth: 4.0'
Max. Bottom Trench Depth: 7.0'
Inlet Depth: 2.5'
1350 GPD
1350/0.8= 1687.5
1687.5/3= 421.87
421.87x0.416 (4.0' Sidewall)= 211 LF Required
(Install 4- 53' long trenches)



5141 GREEN BRIDGE ROAD
DAYTON, MD 21036
LOT 1, PLAT 5970, MAP 28
PARCEL 80, GRID 13
3.0 ACRES, ACCT#05-394430
OSDS PLAN



NO.	REVISION	BY	DATE
1	BACK RIVER PRE-CAST, LLC.		7/29/20
2	PRECAST CONCRETE MANUFACTURED		7/29/20
3	P.O. BOX 329 • GLYNDEN, MD 21037-0329		7/29/20
4	PHONE: (410) 833-3364 • FAX: (410) 833-4118		7/29/20
5	EMAIL: BACKRIVERPRECAST.COM		7/29/20
6	CONTRACTOR:		
7	PROJECT:		
8	JOB LOCATION:		
9	TITLE: 2500 G SEPTIC TANK		

SECTION A/3
BOX WEIGHT = 23,878 LBS.
TOP SLAB WEIGHT = 5,148 LBS.

DATE
4/24

PROJECT
23-0725

ENGINEERING
JWW

ILLUSTRATION
JWW

NA

APPROVAL
JWW

SCALE
1"=30'

5141 GREEN BRIDGE ROAD

TAX MAP 28, LOT 1, 3.00 ACRES, PLAT 5970

DAYTON, HOWARD COUNTY, MARYLAND

JNM ENGINEERING, LLC

CIVIL ENGINEERING, SURVEYING, LAND PLANNING,

ENVIRONMENTAL, ARBORICULTURE, LEED PROFESSIONALS

105 LEAFY HOLLOM CIRCLE, MOUNT AIRY, MD 21771

(301) 514-2808, JNTEENGINEERINGLLC.COM

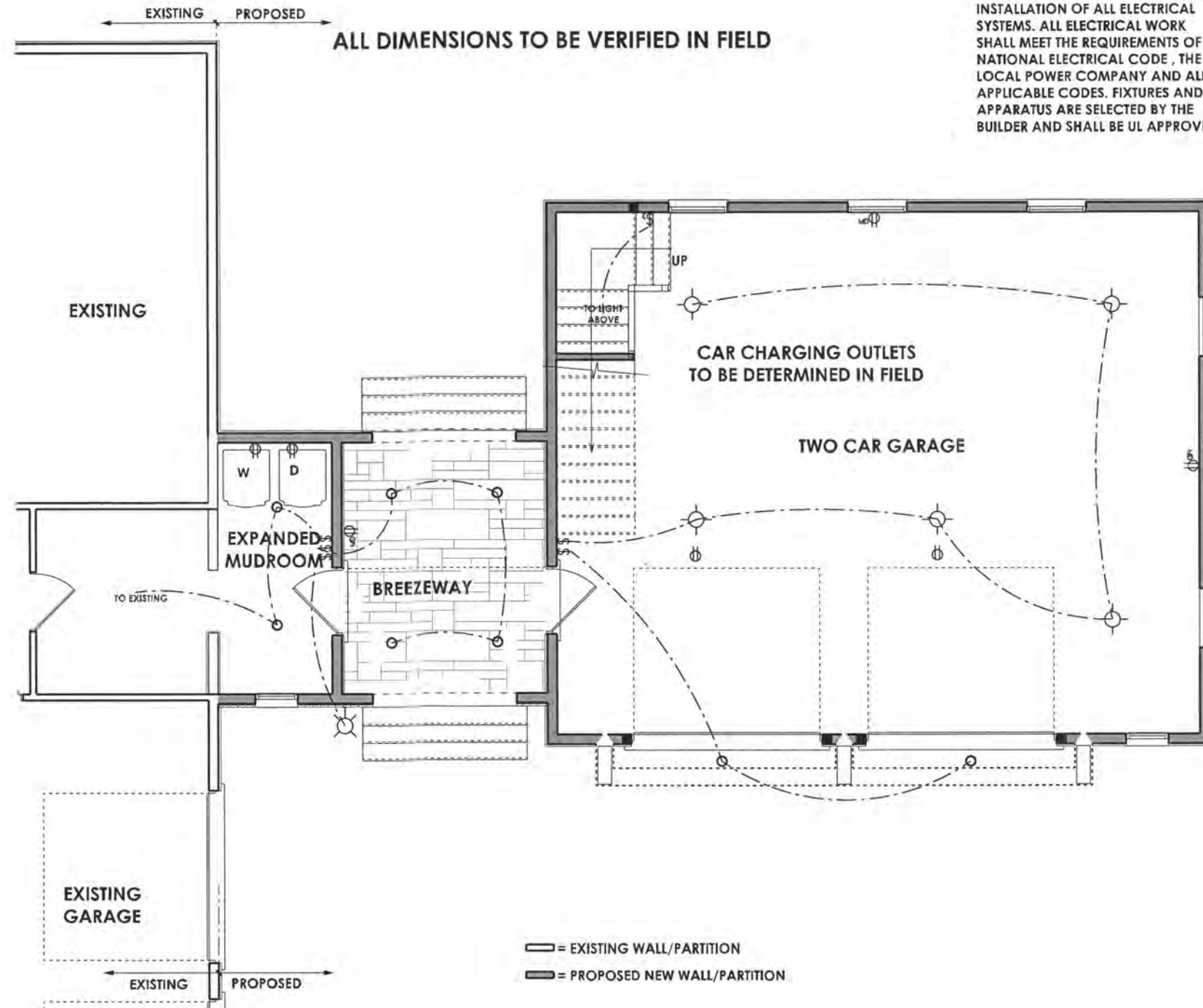
OSDS PLAN

2 OF 2

ELECTRICAL LEGEND	
⊕	DUPLEX RECEPT.
⊕	DUPLEX GROUND FAULT CIRCUIT INTERRUPTER
⊕	DUPLEX OUTLET HALF SWITCHED
⊕	220 VOLT DUPLEX OUTLET
⊕	DUPLEX OUTLET # 42" A.P.F.
⊕	SINGLE POLE SWITCH
⊕	3-WAY SWITCH
⊕	4-WAY SWITCH
⊕	DIMMER SWITCH
⊕	SMOKE DETECTOR
⊕	BATH FAN 50 CFM
⊕	CEILING MOUNT LIGHT FIXTURE
⊕	CEILING LIGHT FULL CHAIN
⊕	RECESSED LIGHT FIXTURE
⊕	WALL MOUNTED LIGHT FIXTURE
⊕	FLUORESCENT LIGHT FIXTURE
⊕	CEILING FAN
⊕	TELEPHONE
⊕	TELEVISION
⊕	THERMOSTAT
⊕	DOOR CHIME

ELECTRICAL NOTES

- 1) SEE FLOOR PLANS FOR TYP. NOTES AND DIMENSIONS
- 2) BASEMENT WINDOW AND DOOR LOCATIONS AND SIZES TO BE DETERMINED AT PRECON.
- 3) ALL LOCATIONS FOR HVAC, SUMP PUMPS, ROUGH-INS, H/W/H, A/H AND OTHER FEATURES ARE SUBJECT TO BUILDER DISCRETION ON SITE
- 4) PROVIDE SMOKE DETECTORS AS REQ'D BY LOCAL CODE, WIRED TO A NEARBY CIRCUIT (WITH BATTERY BACK-UP) AND INTERCONNECTED FOR SIMULTANEOUS ACTIVATION.
- 5) THESE DRAWINGS ARE SCHEMATIC ONLY. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL ELECTRICAL SYSTEMS. ALL ELECTRICAL WORK SHALL MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, THE LOCAL POWER COMPANY AND ALL APPLICABLE CODES. FIXTURES AND APPARATUS ARE SELECTED BY THE BUILDER AND SHALL BE UL APPROVED.



ARCHITECT
JONATHAN RIVERA
AIA, NCARB
(443) 226-5745
JONATHANRIVERA.COM



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TRAVIS RESIDENCE

14900 Merlwether Drive
Glenelg, Maryland 21738

ARCHITECT

Jonathan Rivera AIA, NCARB
Glenwood, Maryland

443.226.5745

jrivera@jonathanrivera.com

BUILDER

ISSUE DATE

1	7-30-23	PERMIT SET
△		
△		
△		
△		
△		
△		

SCALE: 1/4" = 1'-0"

FIRST FLOOR

E3.01

PRINT DATE:
Sunday, July 30, 2023



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14900 Meriwether Drive
Glenelg, Maryland 21738

ARCHITECT
Jonathan Rivera AIA, NCARB
Glenwood, Maryland

443.226.5745
jriviera@jonathanrivera.com

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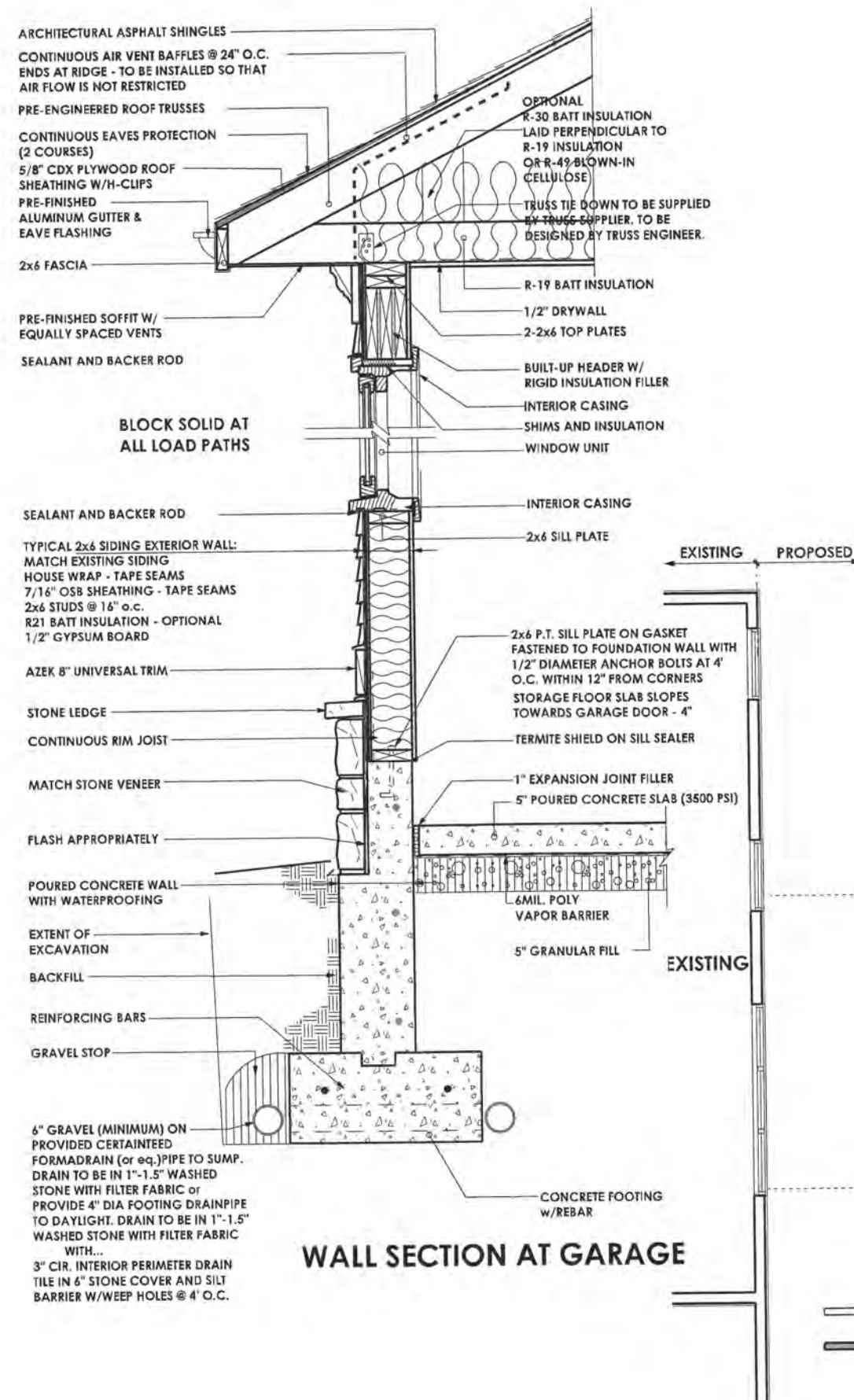
1	7-30-23	PERMIT SET
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SCALE: 1/4" = 1'-0"

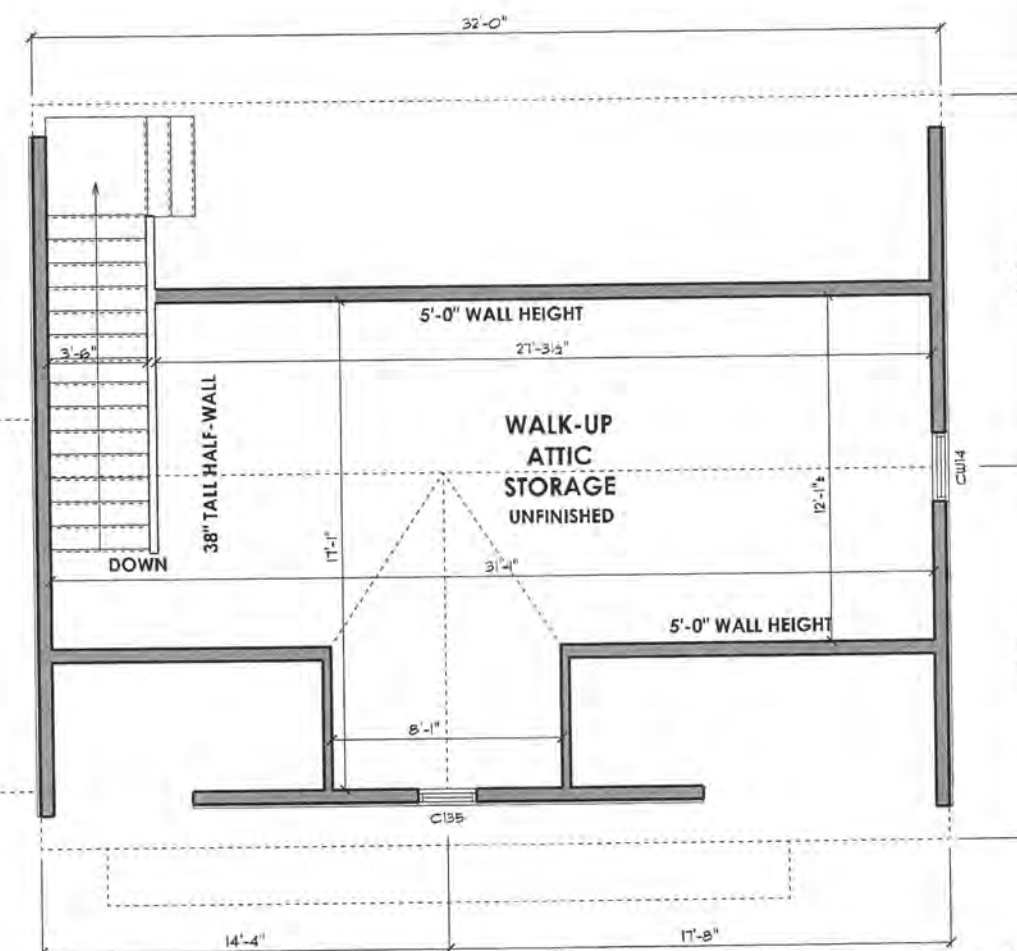
SECOND FLOOR

3.02

PRINT DATE:
Sunday, July 30, 2023



ALL DIMENSIONS TO BE VERIFIED IN FIELD



TYPICAL HOUSE BOX - 2x6 EXTERIOR WALL
TYPICAL METHOD OF WALL CONSTRUCTION - R602.10.5
CONTINUOUSLY SHEATHED - WOOD STRUCTURAL PANEL

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SCALE: $1/4" = 1'-0"$

BRACING

3.51

PRINT DATE :
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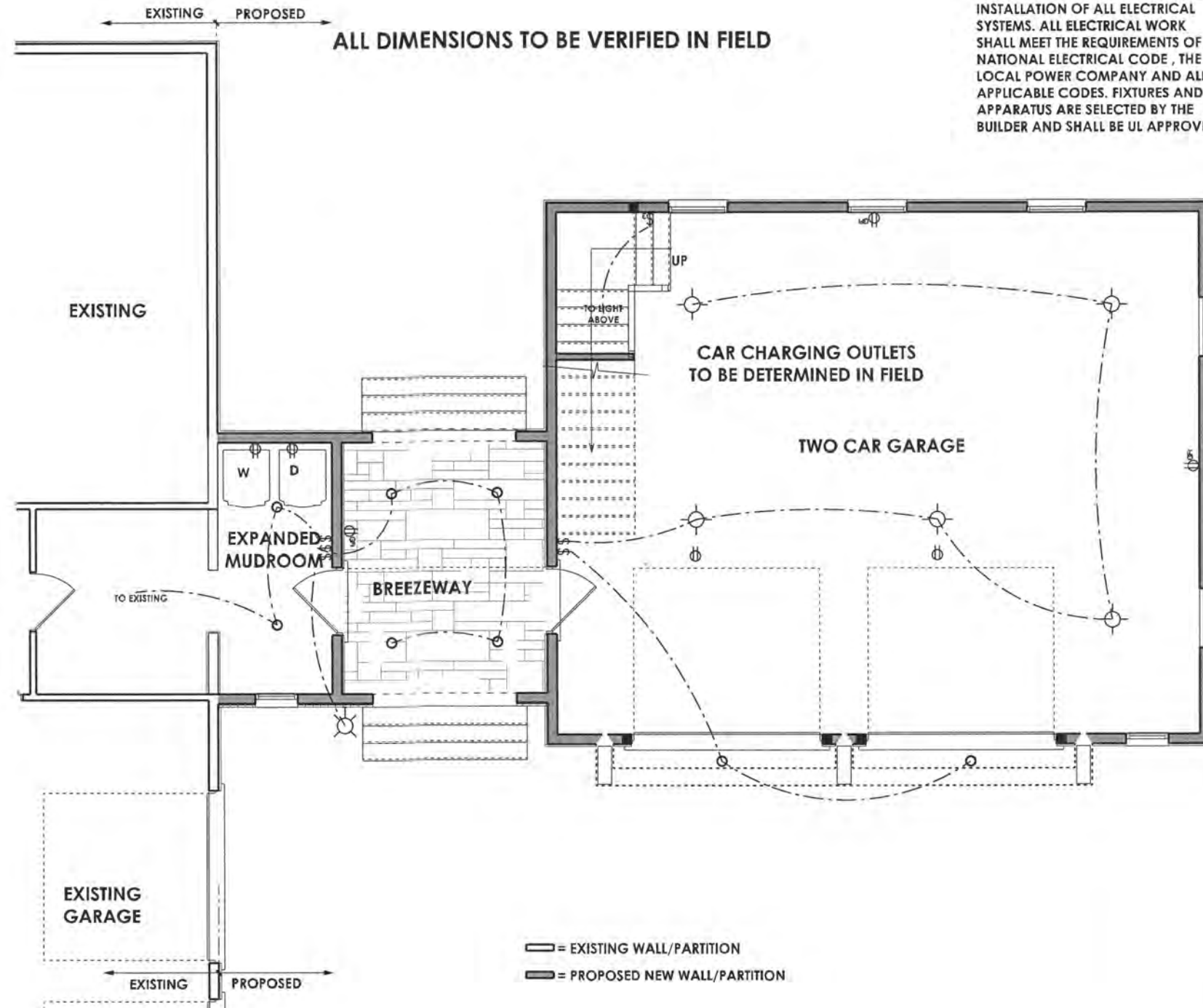


BRACED WALL LINE	WALL PANEL TYPE	NET REQUIRED WALL BRACING FT.	ACTUAL PROVIDED WALL BRACING FT.
A	CS-WSP	7.54'	24.17'
B	CS-WSP	7.54'	20.33'
1	CS-WSP	7.15'	23.50'
2	CS-WSP	3.31'	11.50'
3	CS-WSP	7.15'	23.58'

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JONATHAN RIVERA
AIA, NCARB
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JONATHANRIVERA.COM



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Glenelg, Maryland 21738

ARCHITECT

Jonathan Rivera AIA, NCARB
Glenwood, Maryland

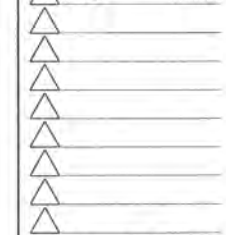
443.226.5745

jrivera@jonathanrivera.com

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ISSUE DATE

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SCALE: 1/4" = 1'-0"

FIRST FLOOR

E3.01

PRINT DATE:
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SECTION NOTES

1) 2000 PSF MIN SOIL BEARING CAPACITY ASSUMED

2) BEAMS, JOISTS, HEADERS & RAFTERS TO BE SPF #1/#2 OR EQ. TYP THRUOUT U.N.O.

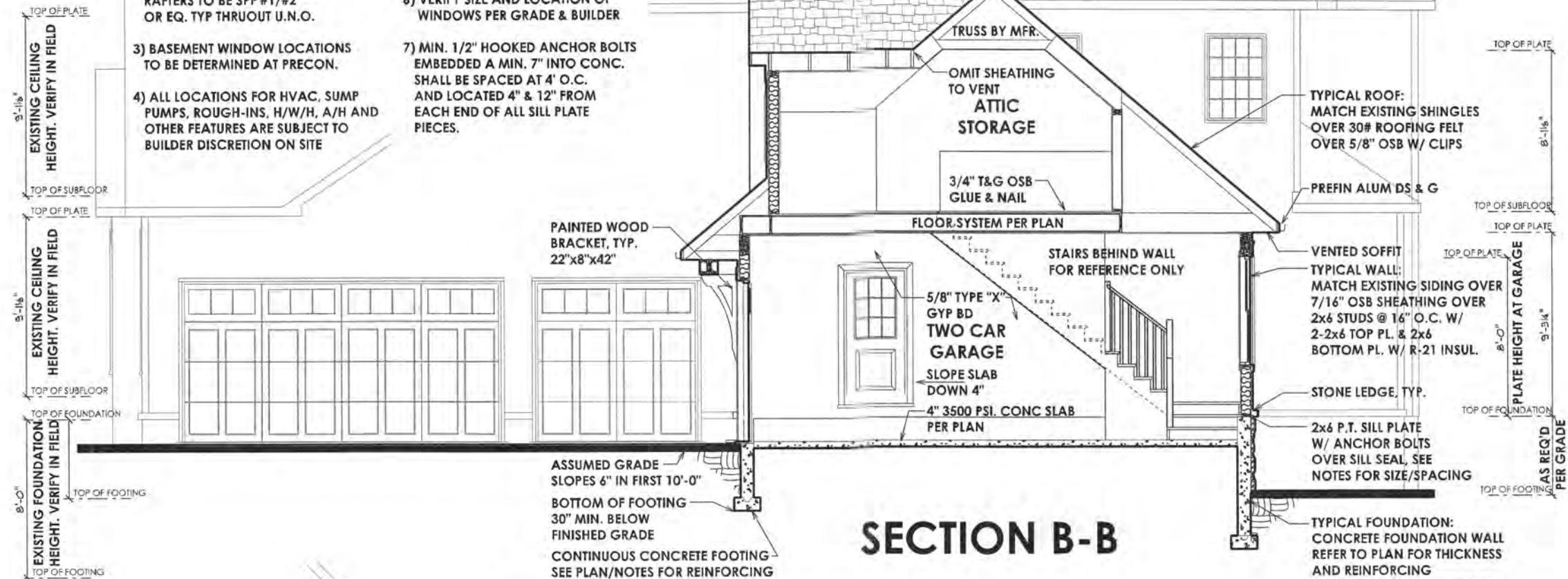
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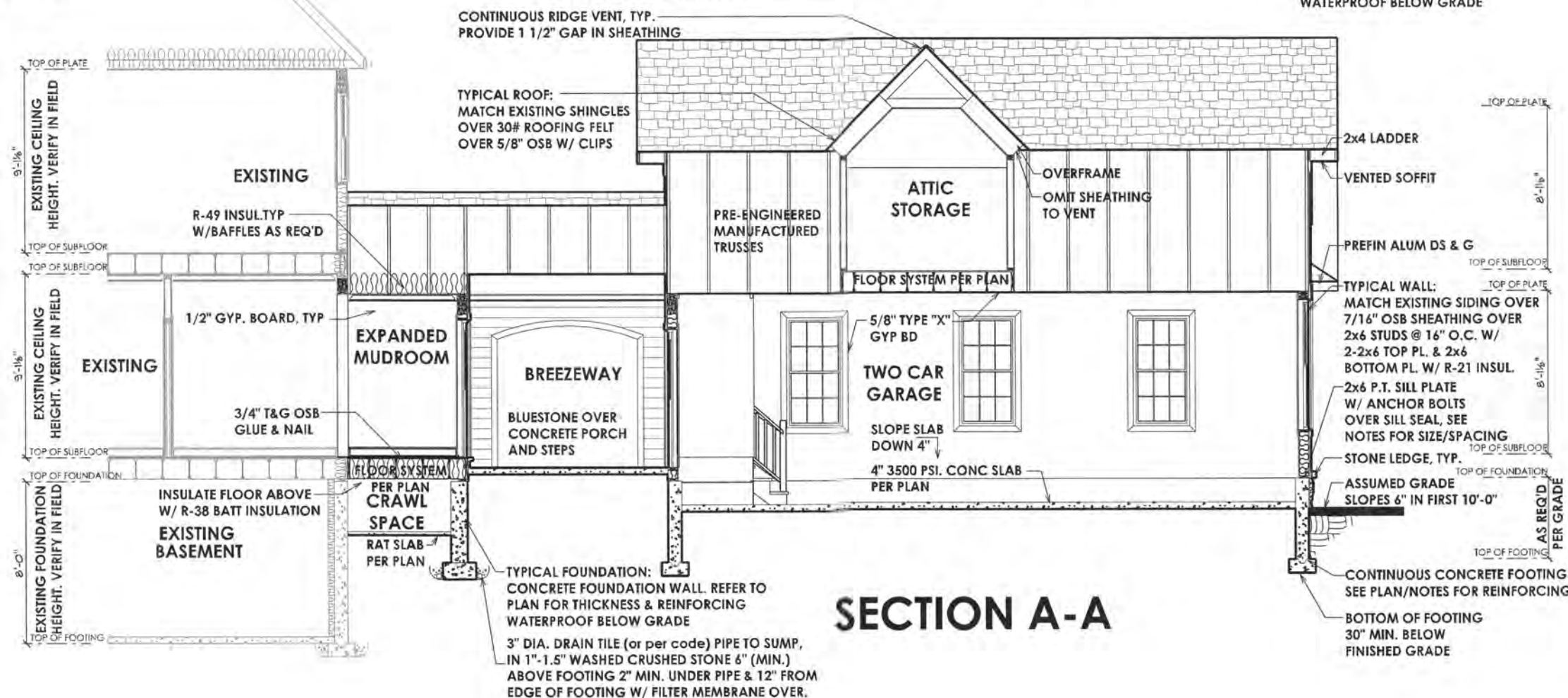
5) FOUNDATION WALL MIN. THICKNESS 10" WHERE STEM WALL AT BRICK LEDGE EXCEEDS 16" HIGH

6) VERIFY SIZE AND LOCATION OF WINDOWS PER GRADE & BUILDER

7) MIN. 1/2" HOOKED ANCHOR BOLTS EMBEDDED A MIN. 7" INTO CONC. SHALL BE SPACED AT 4' O.C. AND LOCATED 4" & 12" FROM EACH END OF ALL SILL PLATE PIECES.



SECTION B-B



SECTION A-A

ARCHITECT
JONATHAN RIVERA
Small text below name
(443) 226-5745
JONATHANRIVERA.COM



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TRAVIS RESIDENCE

14900 Marlweather Drive
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ARCHITECT
Jonathan Rivera AIA, NCARB
Glenwood, Maryland

443.226.5745
jriv@jonathanrivera.com

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SECTIONS
5.01
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