

Bureau of Environmental Health
 8930 Stanford Boulevard, Columbia, MD 21045
 Main: 410-313-2640 | Fax: 410-313-2648
 TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org
 Facebook: www.facebook.com/hocohealth

Maura

J. Rossman, M.D., Health Officer

RECEIPT DATE: 7-8-25 **ONSITE SEWAGE DISPOSAL SYSTEM** P 589121

INSTALLATION APPROVAL DATE: 11/1/2025 **PERMIT** A _____
SEWER HOUSE CONNECTION

PROPERTY ADDRESS: 13560 Mitchells Way, West Friendship

SUBDIVISION: Cloverfield LOT: 10 TAX ID: _____

CONTRACTOR: Farm & Home Excavating EMAIL: _____

CONTRACTOR ADDRESS: 901 Diver Road, Marriottsville, MD 21104 PHONE: 410-984-0189

PROPERTY OWNER: Muhammad Rizwan Akbar & Hina Zaheer EMAIL: _____

OWNER ADDRESS: 13560 Mitchells Way, West Friendship, MD 21794 PHONE: _____

NUMBER OF BEDROOMS: _____ CONNECTED TO PUBLIC WATER: YES NO

LOCATION:	INSTALL 4" SEWER LINE PER APPROVED SITE PLAN.
NOTES:	Septic tank and trenches were installed in 2013. Install septic line from house to septic tank per approved plan.

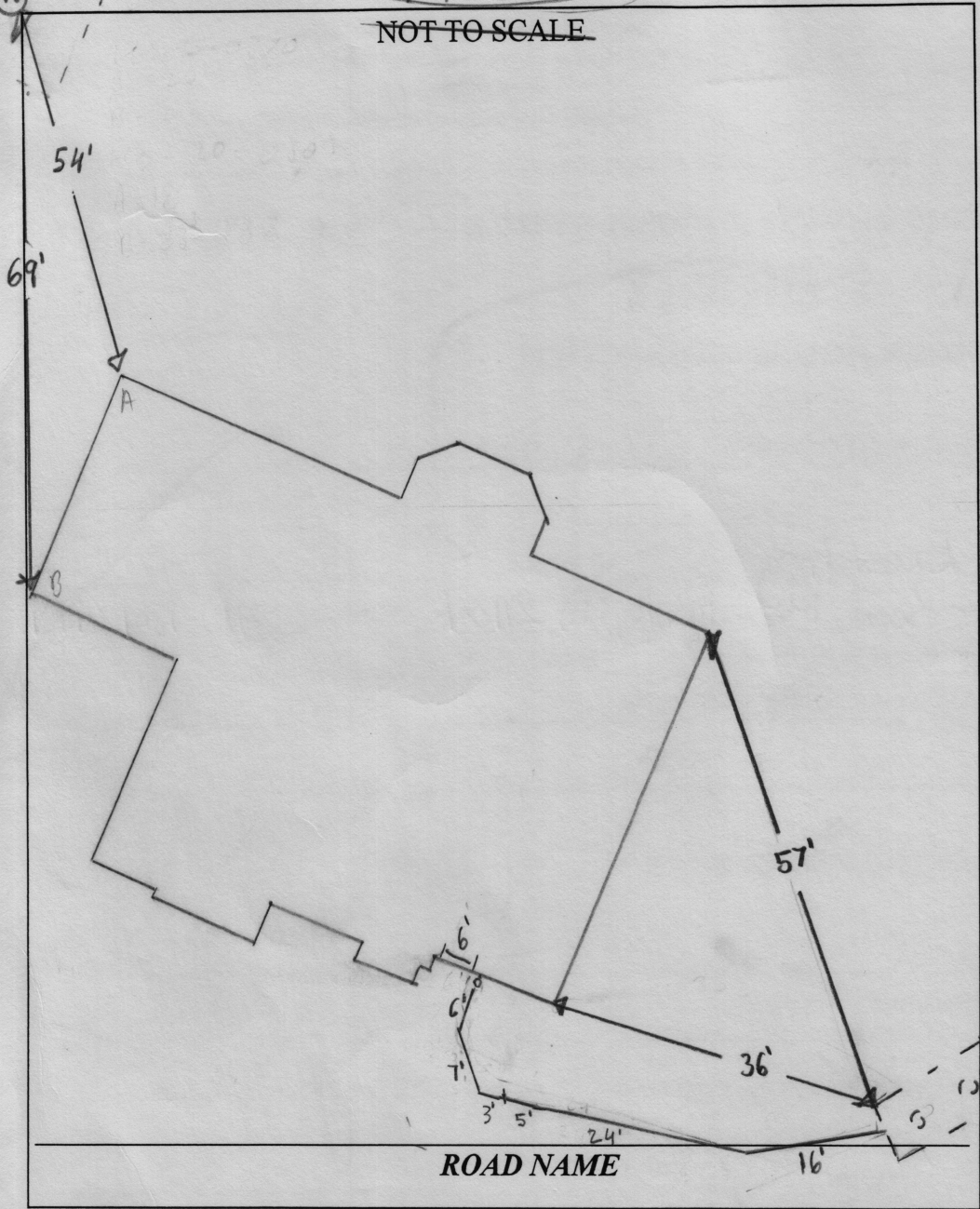
ISSUED BY: Melanie Eshenbaugh ^{H.O.} ISSUE DATE: 7-8-25 EXPIRATION DATE: 7-8-26

- NOTE: CONTRACTOR REGISTERED WITH THE STATE OF MD ON-SITE WASTEWATER PROFESSIONALS BOARD: CONFIRMED
- NOTE: HOWARD COUNTY BUREAU OF UTILITIES APPROVAL OF GRINDER PUMP INSTALLATION IS REQUIRED PRIOR TO SEPTIC PERMIT APPROVAL
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM. PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT. CALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM.

1" ≈ 20'

NOT TO SCALE



Existing

TRENCH/DRAINFIELD DATA

WIDTH _____ INLET _____ BOTTOM _____

NUMBER OF TRENCHES _____

TOTAL LENGTH _____

ABSORPTION AREA _____

DISTRIBUTION BOX LEVEL _____

DISTRIBUTION BOX BAFFLE _____

DISTRIBUTION BOX PORT _____

Existing

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL _____

MANUFACTURER _____

CAPACITY _____ GAL

SEAM LOC _____

TANK LID DEPTH _____

BAFFLES new 6" front

BAFFLE FILTER _____

MANHOLE LOC _____

6" PORT LOC _____

WATERTIGHT TEST _____

SLOTTED _____

DATE ON LID _____

PUMP/SEPTIC TANK LEVEL N/A

MANUFACTURER _____

CAPACITY _____ GAL

SEAM LOC _____

TANK LID DEPTH _____

BAFFLES _____

BAFFLE FILTER _____

MANHOLE LOC _____

6" PORT LOC _____

WATERTIGHT TEST _____

SLOTTED _____

DATE ON LID _____

SEPTIC CONTRACTOR ONSITE INSTALLING SYTEM: Bill Ingram

SEPTIC CONTRACTOR ONSITE LICENSED WITH THE STATE OF MD: YES/NO

PRE-CONSTRUCTION NOTES:

7/8/2025- Plan Approved. MRF

CONTROL PANEL DATA

CONTROL PANEL HEIGHT _____

(MIN 30")

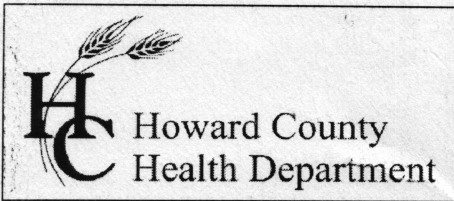
INSPECTION DATE _____

INSPECTION: PASS/FAIL (CIRCLE ONE)

INSTALLATION NOTES:

11/7/2025- installer not onsite for inspection. Adequate Fall from foundation to tank. Sewer 40 4" PVC used

c10 installed outside house. connection to foundation made. Nottfield installer on to backfill all work. SP



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 7178 Gateway Drive Columbia, MD 21046
 (410) 313-2640 Fax (410) 313-2648
 TDD (410) 313-2323 Toll Free 1-866-313-6300
 website: www.hchealth.org

Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 12/10/12 **ONSITE SEWAGE DISPOSAL SYSTEM** P 544422-B

INSTALLATION **PERMIT**
 APPROVAL DATE: _____ A _____
CONSTRUCTION

PROPERTY ADDRESS: 13560 Mitchells Way

SUBDIVISION: Cloverfield LOT: 10 TAX ID: 03-348857

CONTRACTOR: _____ EMAIL: _____

CONTRACTOR ADDRESS: _____ PHONE: _____

PROPERTY OWNER: Cloverfield Pfefferkorn EMAIL: _____

OWNER ADDRESS: 11175 Stratfield Court, Marriottsville, MD 21104 PHONE: 410-442-2211

SEPTIC TANK SIZE (GALLONS): 2000

PUMP CHAMBER CAPACITY (GALLONS): _____ PUMP SIZE: _____

NUMBER OF BEDROOMS: 5 HOUSE SQ. FT. >3500 APPLICATION RATE: 0.8

DISTRIBUTION SYSTEM: GRAVITY FED LOW PRESSURE DOSED

TRENCHES:	LINEAR FEET REQUIRED: <u>168'</u>	INLET DEPTH: <u>4</u> ✓
	TRENCH WIDTH: <u>2</u> ✓	MAXIMUM BOTTOM DEPTH: <u>8</u> ✓
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION. <u>2x84</u>	
NOTES:	Set septic tank near planned location, but turn it so long axis is oriented toward distribution box location. Set distribution box at west boundary of SDA about 20' from southwest SDA corner. Install 2 x 84' trenches on contour in upper SDA. * Protect septic tank and distribution box with fence after Environmental Sanitarian approves installation.	

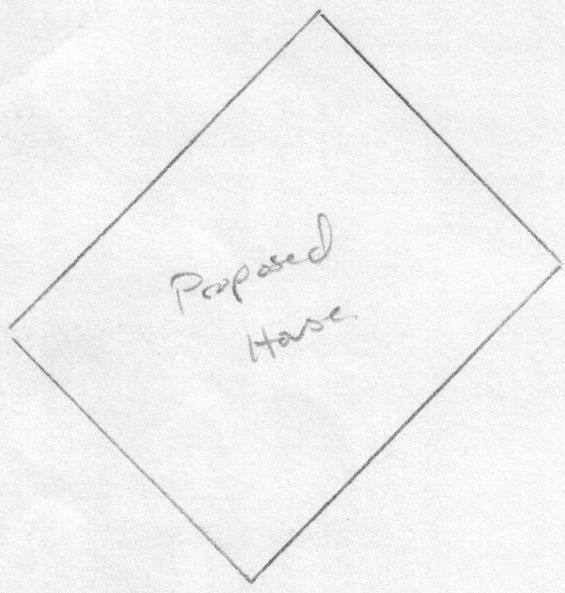
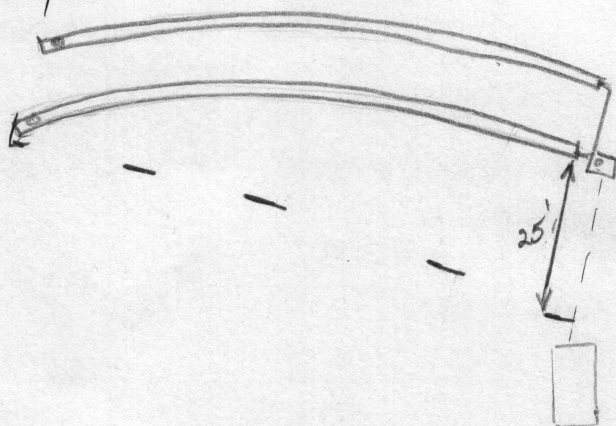
ISSUED BY: Robert Bricker ISSUE DATE: _____ EXPIRATION DATE: 12/10/13¹⁸

- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRAIDENT FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.
 CALL 410-313-1771 TO SCHEDULE INSPECTIONS.**

1" ≈ 30'

NOT TO SCALE



ROAD NAME

well

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
2	4	8
NUMBER OF TRENCHES		2
TOTAL LENGTH		168'
ABSORPTION AREA		336' ± SW
DISTRIBUTION BOX LEVEL		Leveler's
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL _____

MANUFACTURER _____

CAPACITY _____ GAL

SEAM LOC _____

TANK LID DEPTH _____

BAFFLES _____

BAFFLE FILTER _____

MANHOLE LOC _____

6" PORT LOC _____

WATERTIGHT TEST _____

SLOTTED _____

DATE ON LID _____

PUMP/SEPTIC TANK LEVEL _____

MANUFACTURER _____

CAPACITY _____ GAL

SEAM LOC _____

TANK LID DEPTH _____

BAFFLES _____

BAFFLE FILTER _____

MANHOLE LOC _____

6" PORT LOC _____

WATERTIGHT TEST _____

SLOTTED _____

DATE ON LID _____

PRE-CONSTRUCTION:

12/17/13 set S.T. per plan Tank and SRA staked out. No house. Trench specs OK. Install 2 x 84' trenches on corner running towards left most prop. line. Call for insp. (KW)

INSTALLATION:

12/18/13 S.T. set. Both trenches completed. Need distribution network still OK to cover trenches (KW). 12/19/14 Did not make it out to insp. until late. Told contractor to as-built piping from tank to trenches. OK to cover. Need SMC and complete as-buil. when house gets built. (KW)

FINAL INSPECTOR _____

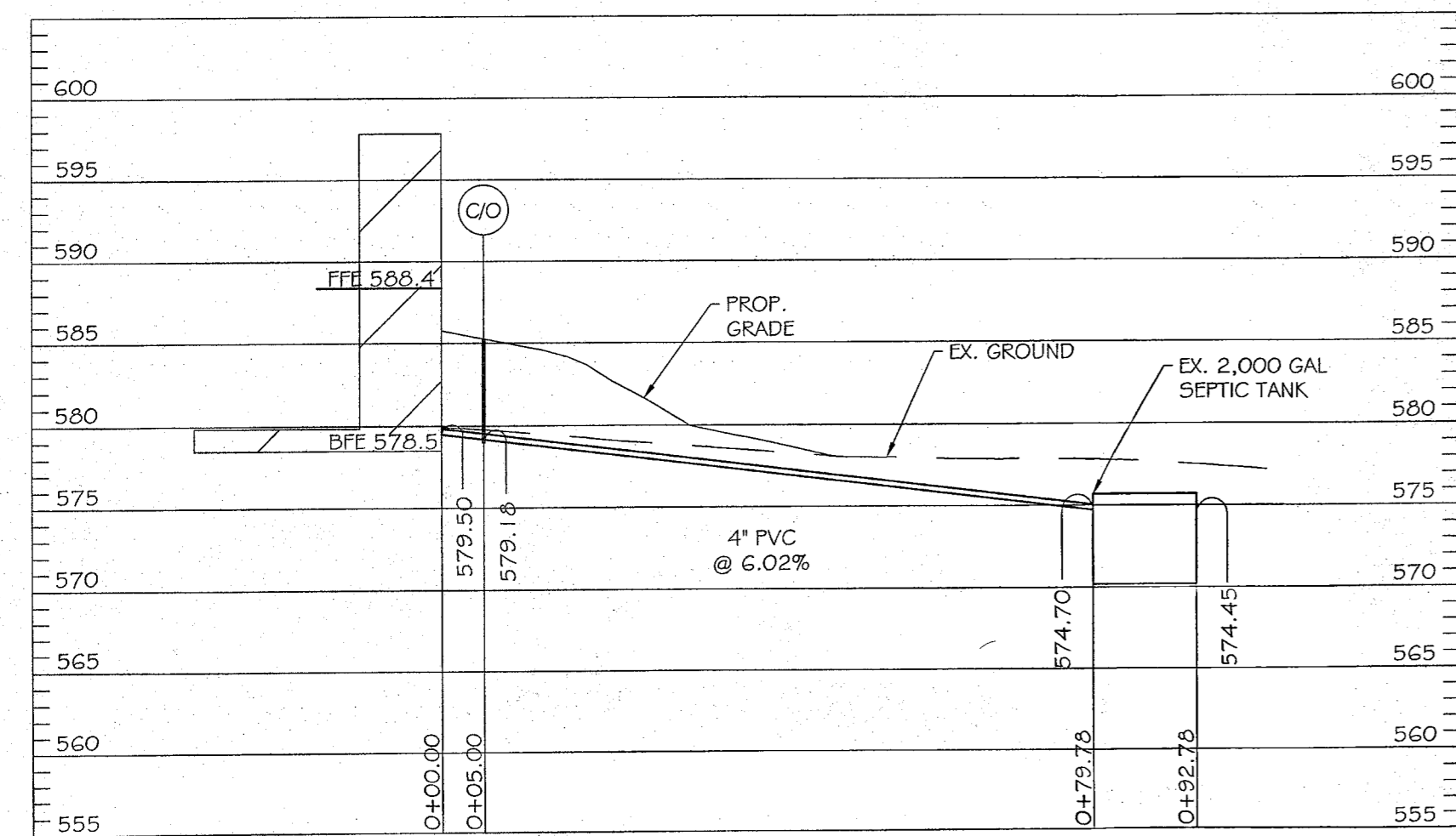
DATE OF APPROVAL _____

GENERAL NOTES:

OWNER: MUHAMMAD RIZWAN AKBAR & HINA ZAHEER
 105 FIELDCREST ROAD
 CHARLESTON, WV 25314
 DEED REF: 22016/355 PLAT NO. 18958
 TAX MAP: 15 GRID: 8 PARCEL: 4 LOT: 10 BLOCK: 9999
 SITE ADDRESS: 13560 MITCHELLS WAY,
 WEST FRIENDSHIP, MD 21794

ZONING: RC-DEO REQUIRED 0.92 ACRES PROPOSED 1.39 ACRES
 MIN. LOT AREA 100 FT. x 100 FT. VIA FT.
 MIN. LOT WIDTH 50 FT. 50.7 FT.
 FRONT YARD DEPTH 10 FT. 63.9/135.5 FT.
 SIDE YARD 30 FT. 88.6 FT.
 REAR YARD 30 FT. 88.6 FT.
 BLDG. HEIGHT 3.4 STORIES TBD

- EXISTING SITE WAS VACANT
- A MINIMUM OF 6" OF TOPSOIL WILL BE APPLIED TO ALL DISTURBED AREAS OF THIS PROJECT.
- HOWARD COUNTY IS GRANTED ACCESS TO ANY ON LOT SWM FACILITIES FOR INSPECTION IN THE EVENT OF A MALFUNCTION.
- NO PERSON SHALL PLACE ANY OBSTRUCTION IN AN EASEMENT ASSOCIATED WITH A FEDERAL OR STATE REGULATED RESOURCE WITHOUT PRIOR WRITTEN AUTHORIZATION BY THE APPROPRIATE REGULATORY AUTHORITY.
- THE MUNICIPALITY, ITS AGENTS AND EMPLOYEES SHALL HAVE THE RIGHT TO ENTER ANY PROPERTY WHERE STORMWATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL FACILITIES ARE LOCATED FOR THE PURPOSE OF INSPECTING AND, IF NECESSARY, IN THE EVENT THE RESPONSIBLE PARTIES FAIL TO DO SO, MAINTAINING OR REPAIRING SAID FACILITIES.
- STORMWATER MANAGEMENT WILL BE PROVIDED VIA DRY WELLS



SEWER HOUSE CONNECTION PROFILE
 SCALE: H 1"=20'
 V 1"=10'

EXISTING NATURAL SENSITIVE RESOURCE	TOTAL AREA
WATERBODIES	0.00 ACRES
FLOODPLAIN, RIPARIAN, NATURAL DRAINAGE WAYS	0.00 ACRES
WETLANDS	0.00 ACRES
WOODLANDS	0.00 ACRES
STEEP SLOPES 15-25%	0.097 ACRES
STEEP SLOPES 25%+	0.00 ACRES

*WITHIN LIMIT OF DISTURBANCE

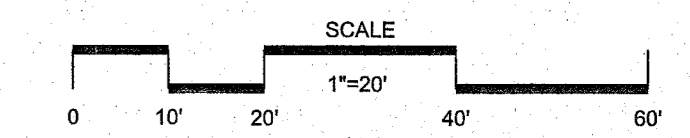
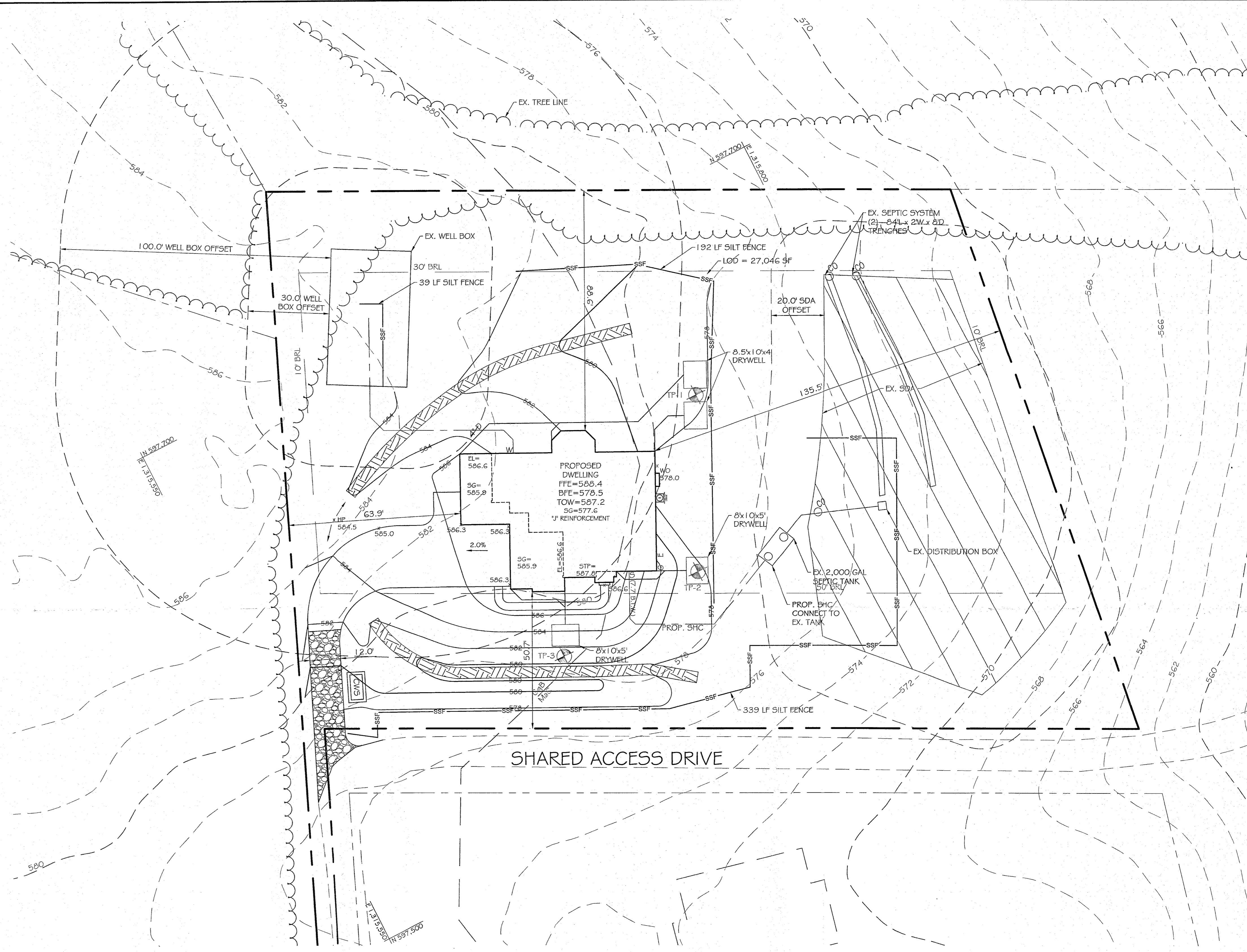
SOILS		
SYMBOL	DESCRIPTION	HSG
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B
MaC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B

DRAWING LEGEND

---	EXISTING MINOR CONTOUR (2' INTERVAL)		
---	EXISTING MAJOR CONTOUR (10' INTERVAL)		
---	ADJACENT PROPERTY LINE		
---	EXISTING PROPERTY BOUNDARY		EXISTING WELL / BUFFER
---	EXISTING ROAD / EDGE OF PAVING		
---	EXISTING ROAD CENTERLINE		
---	PROPOSED MINOR CONTOUR (2' INTERVAL)		
---	PROPOSED MAJOR CONTOUR (10' INTERVAL)		
---	EXISTING BUILDING		EXISTING SDA (10,000 S.F. MIN.)
---	PROPOSED BUILDING		
---	PROPOSED SPOT ELEVATION		CONCRETE WASHOUT
---	LIMIT OF DISTURBANCE		
---	PROPOSED SILT FENCE		STABILIZED CONSTRUCTION ENTRANCE
---	AdB		
---	NeB2		PERCOLATION TEST HOLE
---			TREE PROTECTION FENCE

Approved Septic System Plan
 Howard County Health Department

Signature: *[Signature]* Date: 7/3/25



ENGINEERS
 PLANNERS
 SCIENTISTS
 CONSTRUCTION MANAGERS

KCI
 TECHNOLOGIES

936 RIDGEBROOK ROAD
 SPARKS, MARYLAND 21152
 TELEPHONE: (410) 316-7800
 FAX: (410) 316-7818

REVISIONS		DATE
NO.	DATE	DESCRIPTION

DATE: 06/24/2025
 SCALE: 1"=20'
 DESIGNED BY: FFW
 DRAWN BY: MDG

MUHAMMAD RIZWAN AKBAR & HINA ZAHEER PROPERTY
 SEWER HOUSE CONNECTION PLAN
 13560 MITCHELLS WAY
 WEST FRIENDSHIP, MD 21794

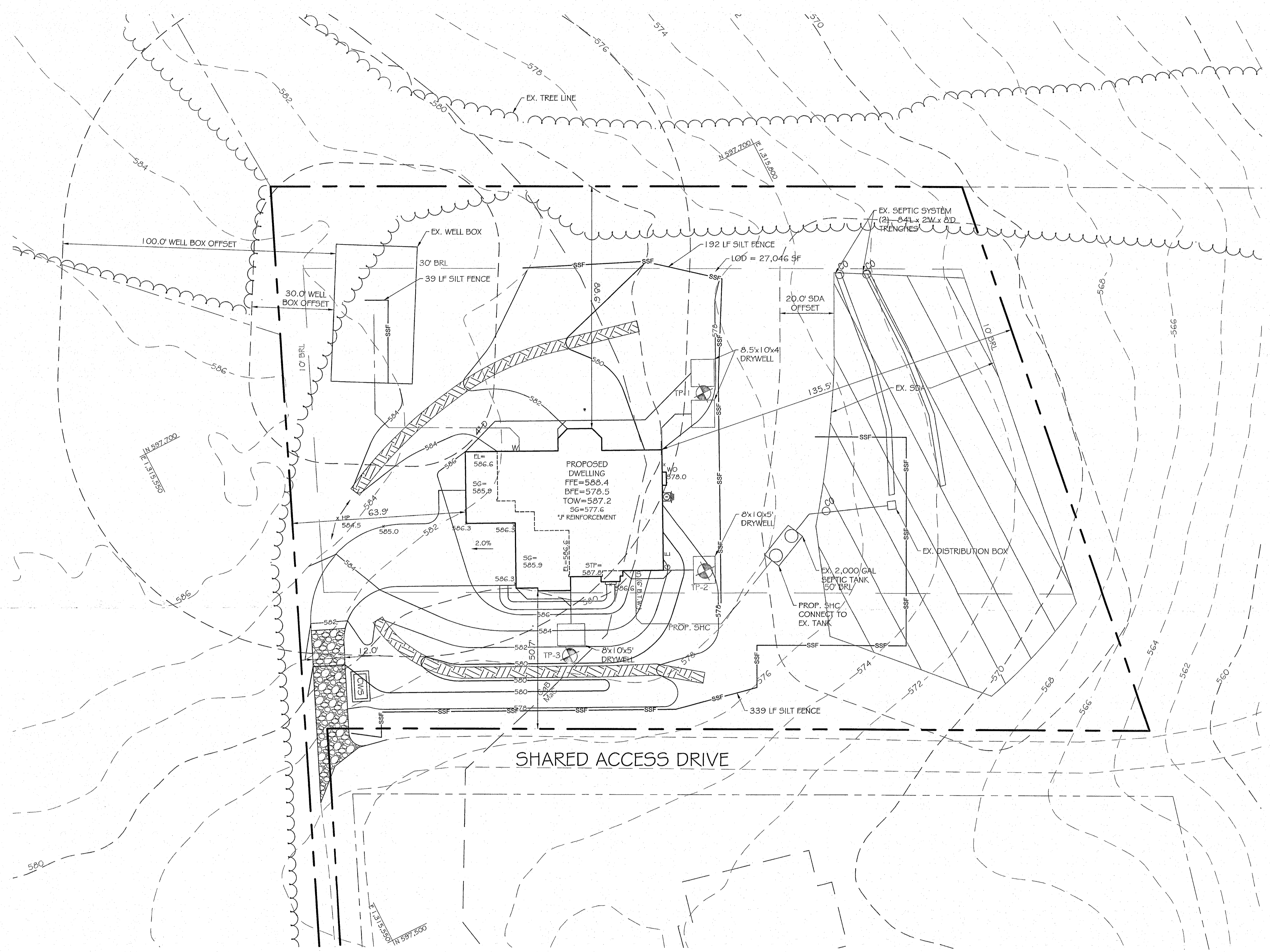
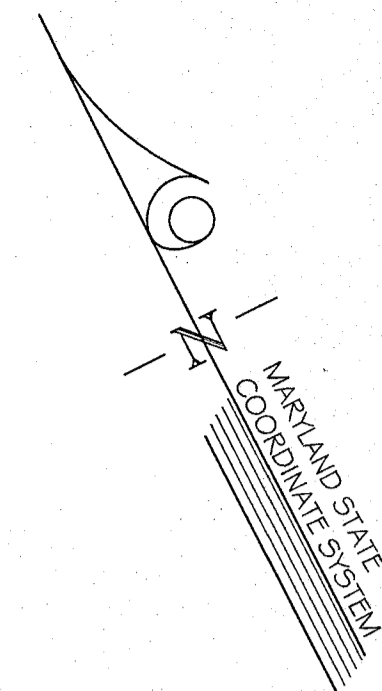
DRAWING NO. ZhoMW2
 SHEET 1 OF 1
 KCI JOB NUMBER 27180354.154

GENERAL NOTES:

OWNER: MUHAMMAD RIZWAN AKBAR & HINA ZAHEER
 105 FIELDCREST ROAD
 CHARLESTON, WV 25314
 DEED REF. 22016/958 PLAT NO. 18958
 TAX MAP: 15 GRID: 8 PARCEL: 4 LOT: 10 BLOCK: 9999
 SITE ADDRESS: 13560 MITCHELLS WAY,
 WEST FRIENDSHIP, MD 21794

ZONING:	RC-DEO	REQUIRED	PROPOSED
MIN. LOT AREA	0.92 ACRES	1.39 ACRES	
MIN. LOT WIDTH	100 FT.	NA FT.	
FRONT YARD DEPTH	50 FT.	50.7 FT.	
SIDE YARD	10 FT.	63.9/135.5 FT.	
REAR YARD	30 FT.	88.6 FT.	
BLDG. HEIGHT	3.4 STORIES	TBD	

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- STORMWATER MANAGEMENT WILL BE PROVIDED VIA DRY WELLS

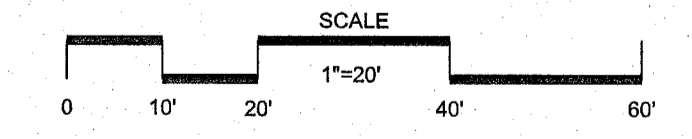
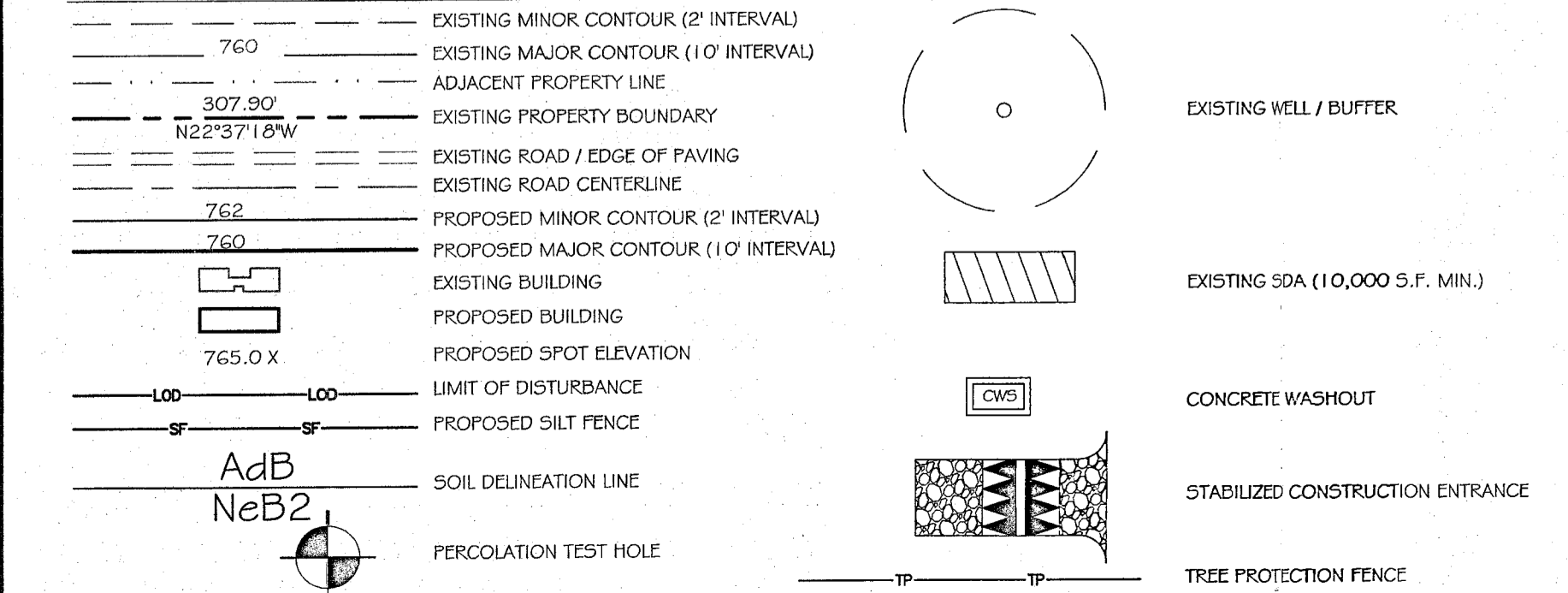


EXISTING NATURAL SENSITIVE RESOURCE	TOTAL AREA
WATERBODIES	0.00 ACRES
FLOODPLAIN, RIPARIAN, NATURAL DRAINAGE WAYS	0.00 ACRES
WETLANDS	0.00 ACRES
WOODLANDS	0.00 ACRES
STEEP SLOPES 15-25%	0.097 ACRES
STEEP SLOPES 25%+	0.00 ACRES

*WITHIN LIMIT OF DISTURBANCE

SOILS		
SYMBOL	DESCRIPTION	HSG
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B
MaC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B

DRAWING LEGEND



<p>KCI TECHNOLOGIES</p>	<p>ENGINEERS PLANNERS SCIENTISTS CONSTRUCTION MANAGERS</p> <p>936 RINGBROOK ROAD SHARPS, MARYLAND 21152 TELEPHONE: (410) 316-7800 FAX: (410) 316-7818</p>	<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION	BY					<p>DATE: 06/24/2025 SCALE: 1"=20' DESIGNED BY: FFW DRAWN BY: MDC</p>
	NO.	DATE	DESCRIPTION	BY							

MUHAMMAD RIZWAN AKBAR & HINA ZAHEER PROPERTY
 SEWER HOUSE CONNECTION PLAN
 13560 MITCHELLS WAY
 WEST FRIENDSHIP, MD 21794

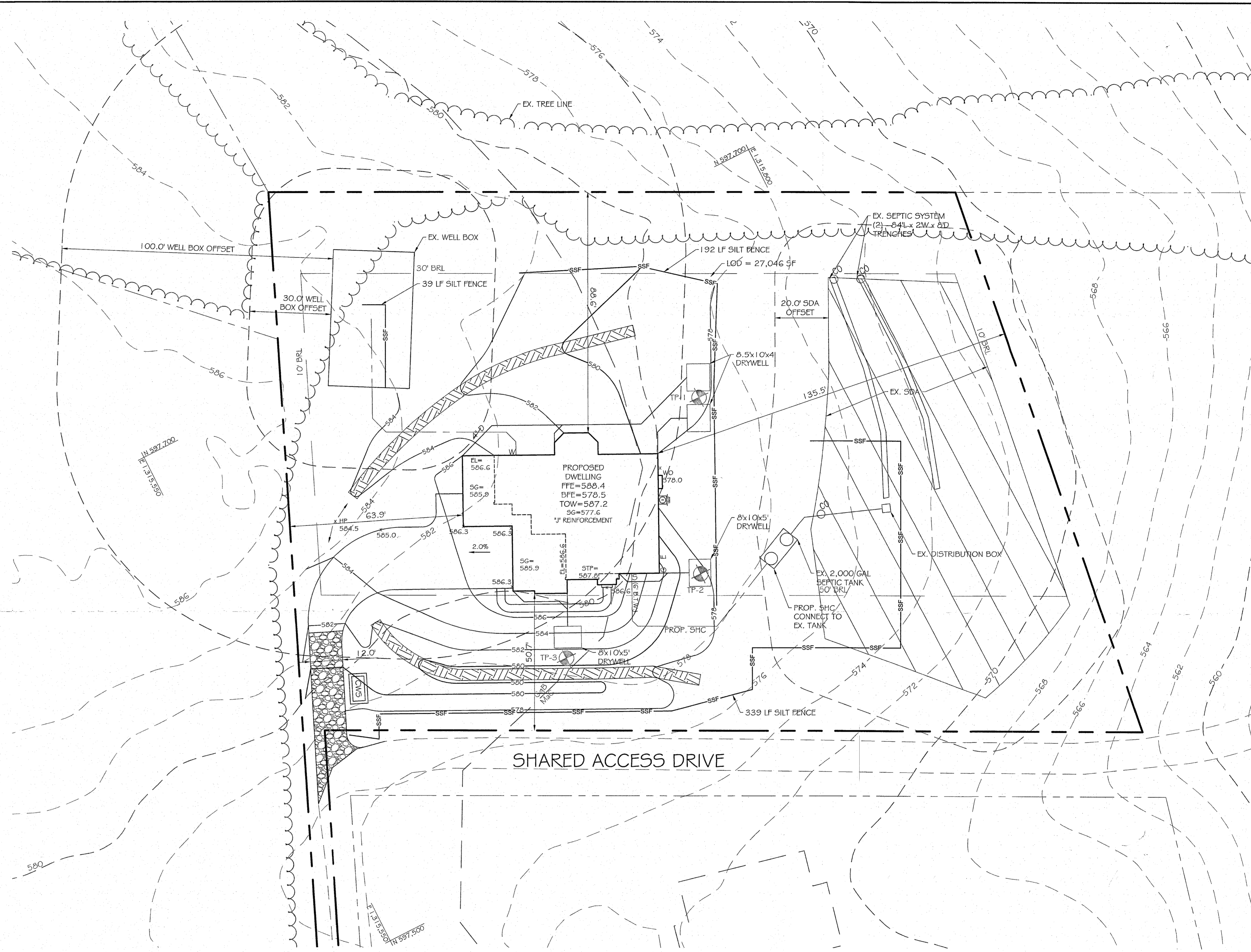
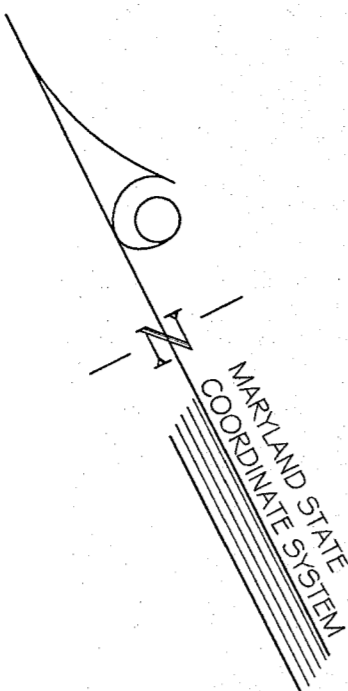
DRAWING NO. **ZhoMW2**
 SHEET 1 OF 1
 KCI JOB NUMBER 27180354.154

GENERAL NOTES:

OWNER: MUHAMMAD RIZWAN AKBAR & HINA ZAHEER
 105 FIELDCREST ROAD
 CHARLESTON, WV 25314
 DEED REF: 22016/358 PLAT NO. 18958
 TAX MAP: 15 GRID: 8 PARCEL: 4 LOT: 10 BLOCK: 9999
 SITE ADDRESS: 13560 MITCHELLS WAY, WEST FRIENDSHIP, MD 21794

ZONING:	RC-DIO	REQUIRED	PROPOSED
MIN. LOT AREA	0.92 ACRES	1.39 ACRES	
MIN. LOT WIDTH	100 FT.	N/A FT.	
FRONT YARD DEPTH	50 FT.	50.7 FT.	
SIDE YARD	10 FT.	63.9/135.5 FT.	
REAR YARD	30 FT.	95.6 FT.	
BLDG. HEIGHT	3.4 STORIES	TSD	

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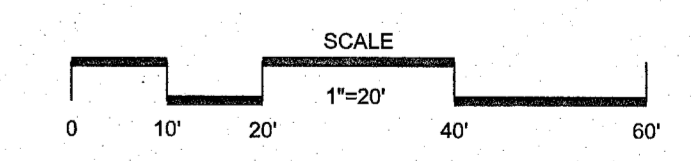
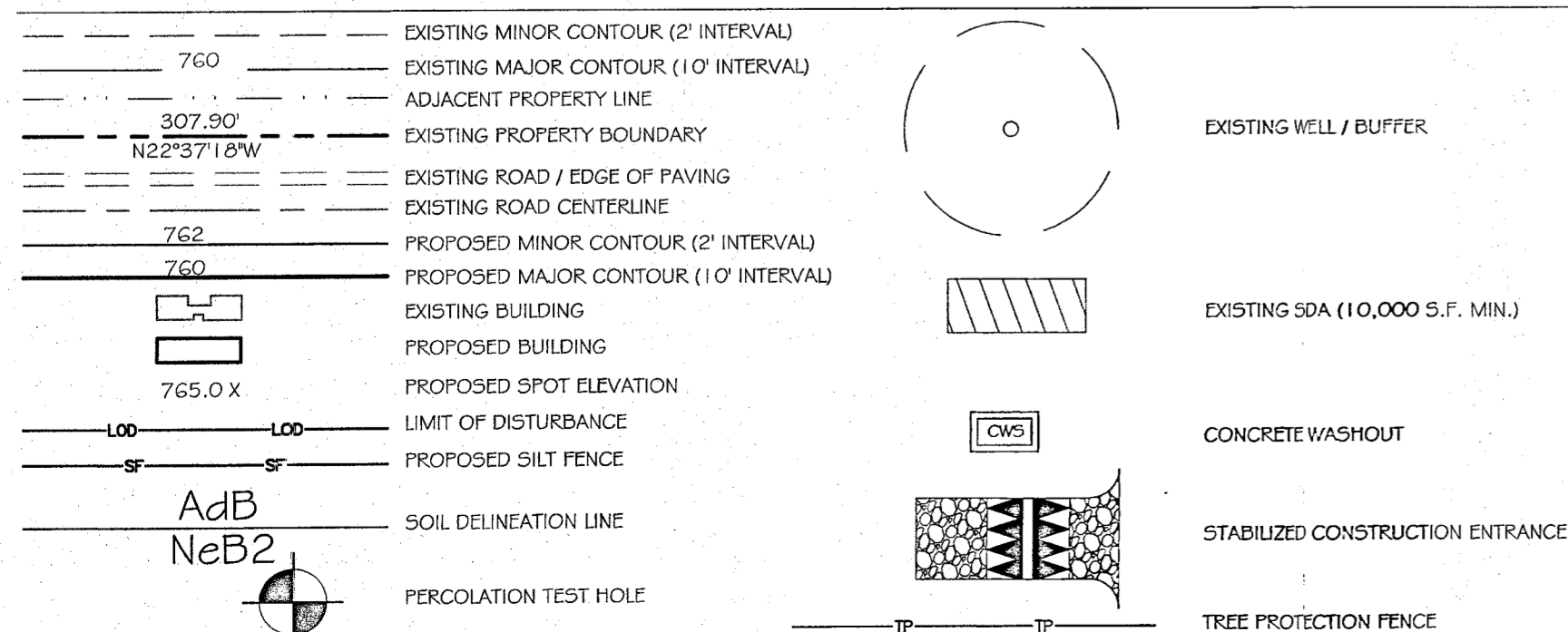


EXISTING NATURAL SENSITIVE RESOURCE	TOTAL AREA
WATERBODIES	0.00 ACRES
FLOODPLAIN, RIPARIAN, NATURAL DRAINAGE WAYS	0.00 ACRES
WETLANDS	0.00 ACRES
WOODLANDS	0.00 ACRES
STEEP SLOPES 15-25%	0.097 ACRES
STEEP SLOPES 25%+	0.00 ACRES

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SOILS		
SYMBOL	DESCRIPTION	HSG
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B
MaC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B

DRAWING LEGEND



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 ENGINEERS
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 SHARPS, MARYLAND 21152
 TELEPHONE: (410) 316-7800
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NO.		DATE		REVISIONS		DESCRIPTION		BY		DATE	

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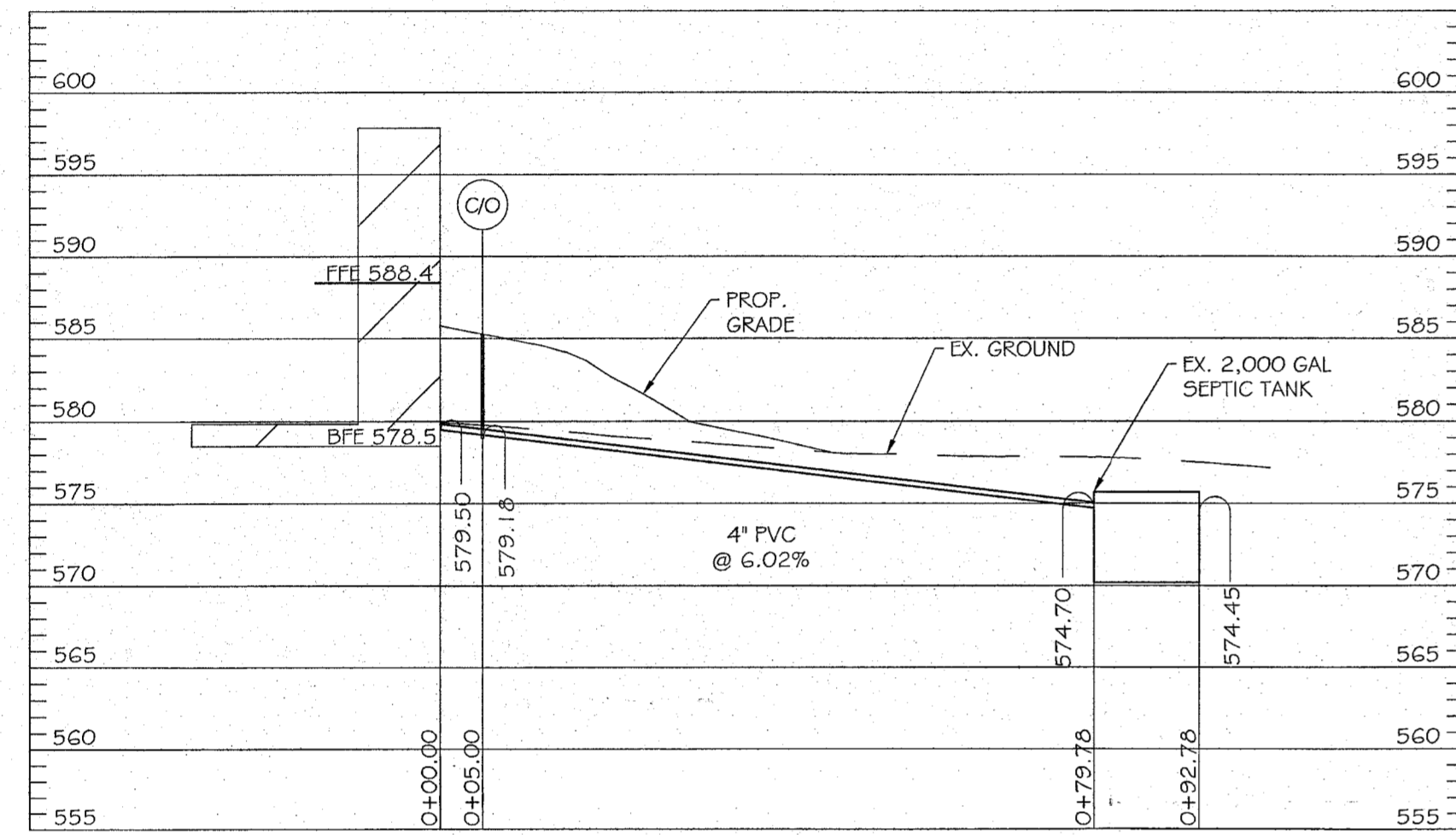
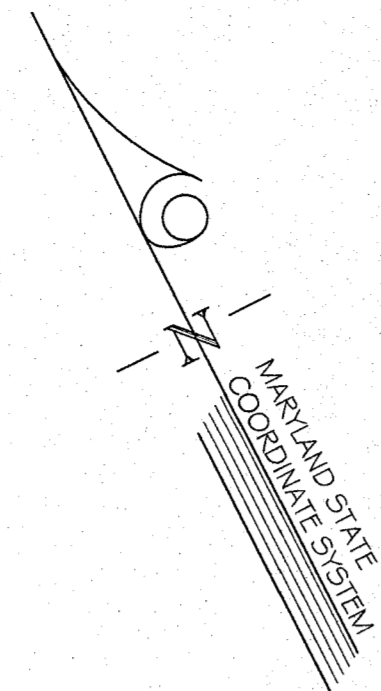
DRAWING NO. **ZhoMW2**
 SHEET 1 OF 1
 KCI JOB NUMBER 27180354.154

GENERAL NOTES:

OWNER: MUHAMMAD RIZWAN AKBAR & HINA ZAHEER
 105 FIELDCREST ROAD
 CHARLESTON, WV 25314
 DEED REF. 22016356 PLAT NO. 18956
 TAX MAP: 15 GRID: 6 PARCEL: 4 LOT: 10 BLOCK: 9999
 SITE ADDRESS: 13560 MITCHELLS WAY
 WEST FRIENDSHIP, MD 21794

ZONING:	RC-DFO	REQUIRED	PROPOSED
MIN. LOT AREA	0.52 ACRES	1.39 ACRES	
MIN. LOT WIDTH	100 FT.	N/A FT.	
FRONT YARD DEPTH	50 FT.	50.7 FT.	
SIDE YARD	10 FT.	63.9/135.5 FT.	
REAR YARD	30 FT.	88.6 FT.	
BLDG. HEIGHT	3.4 STORIES	TBD	

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SEWER HOUSE CONNECTION PROFILE

SCALE: H 1"=20'
 V 1"=10'

EXISTING NATURAL SENSITIVE RESOURCE	TOTAL AREA
WATERBODIES	0.00 ACRES
FLOODPLAIN, RIPARIAN, NATURAL DRAINAGE WAYS	0.00 ACRES
WETLANDS	0.00 ACRES
WOODLANDS	0.00 ACRES
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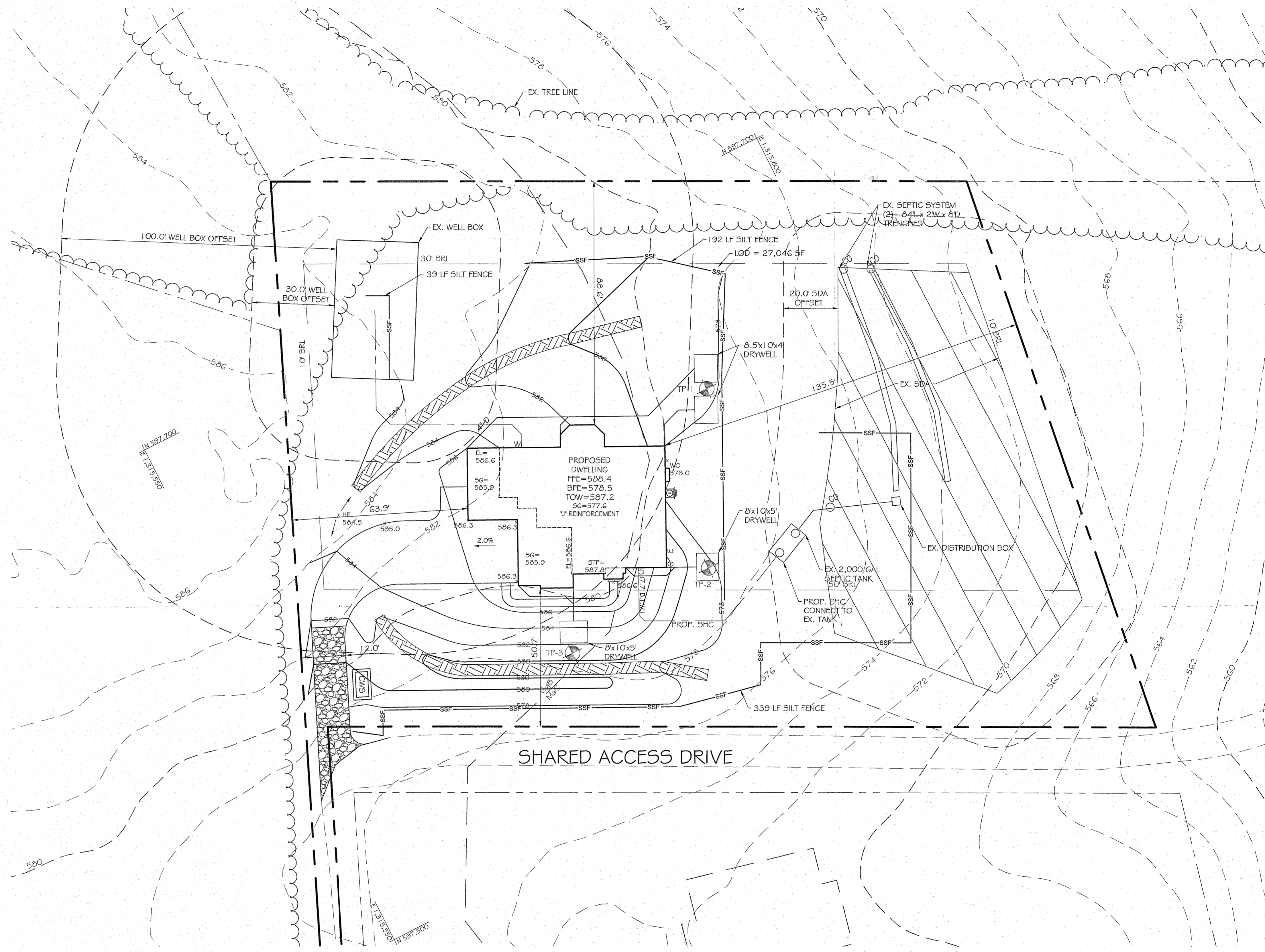
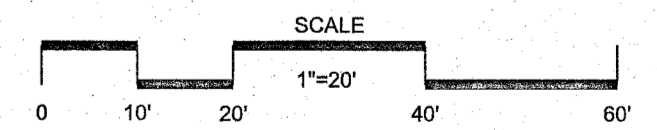
SOILS		
SYMBOL	DESCRIPTION	HSG
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B
MaC	MANOR LOAM, 8 TO 15 PERCENT SLOPES	B

DRAWING LEGEND

	EXISTING MINOR CONTOUR (2' INTERVAL)		EXISTING WELL / BUFFER
	EXISTING MAJOR CONTOUR (10' INTERVAL)		EXISTING SDA (10,000 S.F. MIN.)
	ADJACENT PROPERTY LINE		CONCRETE WASHOUT
	EXISTING PROPERTY BOUNDARY		STABILIZED CONSTRUCTION ENTRANCE
	EXISTING ROAD / EDGE OF PAVING		TREE PROTECTION FENCE
	EXISTING ROAD CENTERLINE		
	PROPOSED MINOR CONTOUR (2' INTERVAL)		
	PROPOSED MAJOR CONTOUR (10' INTERVAL)		
	EXISTING BUILDING		
	PROPOSED BUILDING		
	PROPOSED SPOT ELEVATION		
	LIMIT OF DISTURBANCE		
	PROPOSED SILT FENCE		
	AdB		
	NeB2		
	PERCOLATION TEST HOLE		

Approved Septic System Plan
 Howard County Health Department

Muhammad Rizwan Akbar
 Signature Date 7/3/25



KCI TECHNOLOGIES
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NO.		DATE	REVISIONS DESCRIPTION	BY	DATE
					06/24/2025

MUHAMMAD RIZWAN AKBAR & HINA ZAHEER PROPERTY
 SEWER HOUSE CONNECTION PLAN
 13560 MITCHELLS WAY
 WEST FRIENDSHIP, MD 21794

DRAWING NO. **ZhoMW2**
 SHEET 1 OF 1
 KCI JOB NUMBER 27180354.154