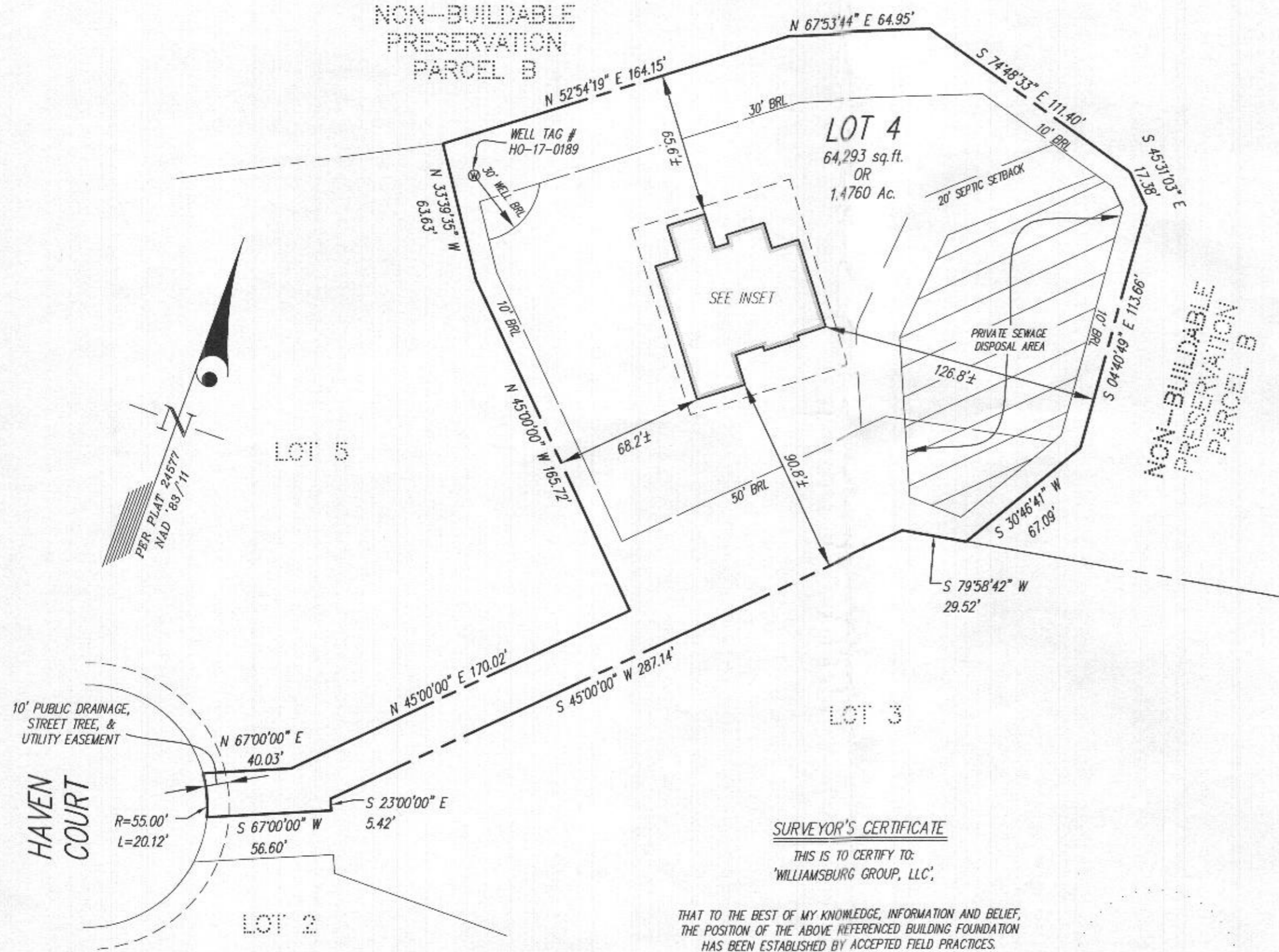


NON-BUILDABLE  
PRESERVATION  
PARCEL B

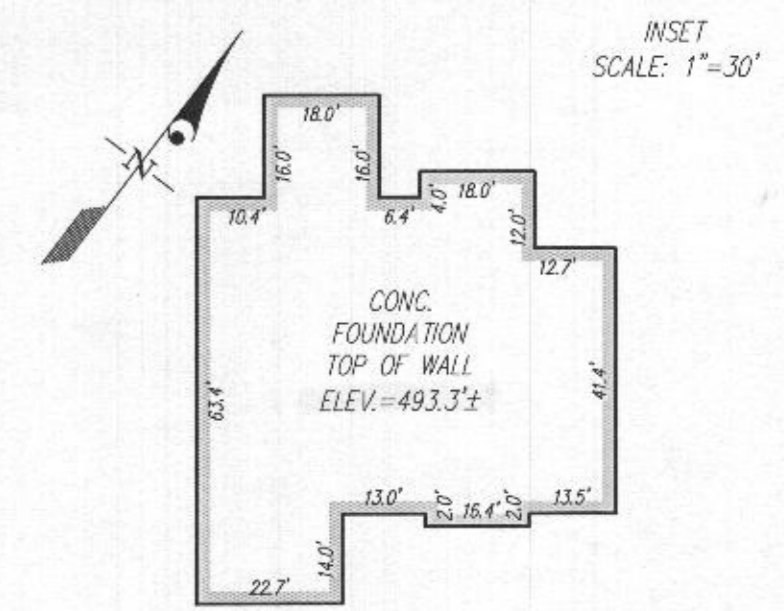


NOTES:  
THIS WALLCHECK WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT. THIS PROPERTY IS SUBJECT TO ANY AND ALL EASEMENTS, RIGHTS-OF-WAY, COVENANTS, AND RESTRICTIONS, ETC. OF RECORD, SOME OR ALL OF WHICH MAY OR MAY NOT BE SHOWN AND/OR REFERENCED HEREON. BEARINGS AND DISTANCES OF THE PROPERTY BOUNDARY LINES SHOWN HEREON ARE PER AVAILABLE RECORDS AND HAVE NOT BEEN FIELD VERIFIED.

THIS IS NOT A "LOCATION DRAWING" AND IS NOT TO BE USED FOR SETTLEMENT PURPOSES.

THE PROPERTY SHOWN HEREON LIES WITHIN ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS SHOWN ON THE F.E.M.A. FLOOD INSURANCE RATE MAP, MAP NO. 24027C01400, EFFECTIVE DATE NOVEMBER 6, 2013.

BUILDING SETBACKS (BRL'S) SHOWN HEREON PER PLAT No. 24578.  
WELL & SEPTIC SETBACK'S (BRL'S) SHOWN HEREON PER PLOT PLAN.  
SETBACK DISTANCES SHOWN HEREON ARE TO THE OUTERMOST FACE OF THE FOUNDATION WALLS AND HAVE AN ACCURACY OF ± 0.1' FOOT.



**SURVEYOR'S CERTIFICATE**

THIS IS TO CERTIFY TO:  
'WILLIAMSBURG GROUP, LLC',

THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF,  
THE POSITION OF THE ABOVE REFERENCED BUILDING FOUNDATION  
HAS BEEN ESTABLISHED BY ACCEPTED FIELD PRACTICES.

For Gutschick, Little and Weber, P.A. :  
Thomas C. O'Connor, Jr., Professional Land Surveyor,  
No. 10954 (EXP. DATE: 07/03/2020)

THIS WALLCHECK IS VALID ONLY WITH AN ORIGINAL SIGNATURE AND EMBOSSED SEAL OF THE ABOVE SURVEYOR.

WALLCHECK  
(SPECIAL PURPOSE SURVEY)

ESTATES AT SCHOOLEY MILL

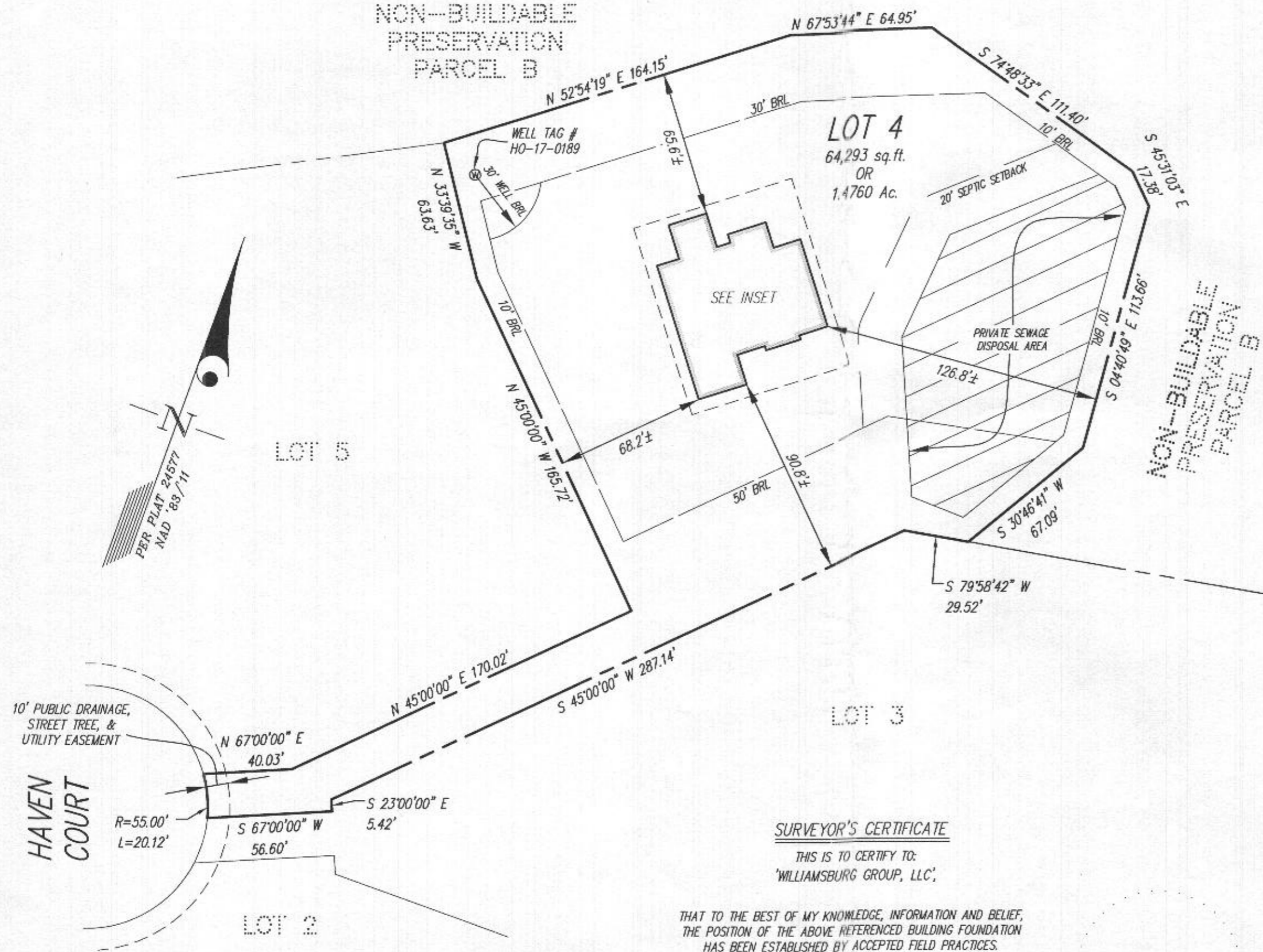
LOT 4  
7422 HAVEN COURT

**GLW**  
PLANNING | ENGINEERING | SURVEYING  
3608 NATIONAL DRIVE | SUITE 250 | BURTONSVILLE, MD 20895 | GLWPA.COM  
PHONE: 301-421-0244 | BALT: 410-660-1020 | DCRAVA: 301-989-2524 | FAX: 301-421-4195

DES.	PREPARED FOR: WILLIAMSBURG GROUP, LLC 5485 HAPERS FARM RD SUITE 200 COLUMBIA, MD 21044 ADDISON BOND (410) 997-8800
DRN. MAB	
CHK.	

HOWARD COUNTY, MARYLAND	
DATE OF LATEST FIELD WORK: 8/21/2019	G.L.W. FILE No. 17-061
REFERENCE: PLAT No.: 24577	SCALE: 1"=50'

NON-BUILDABLE  
PRESERVATION  
PARCEL B



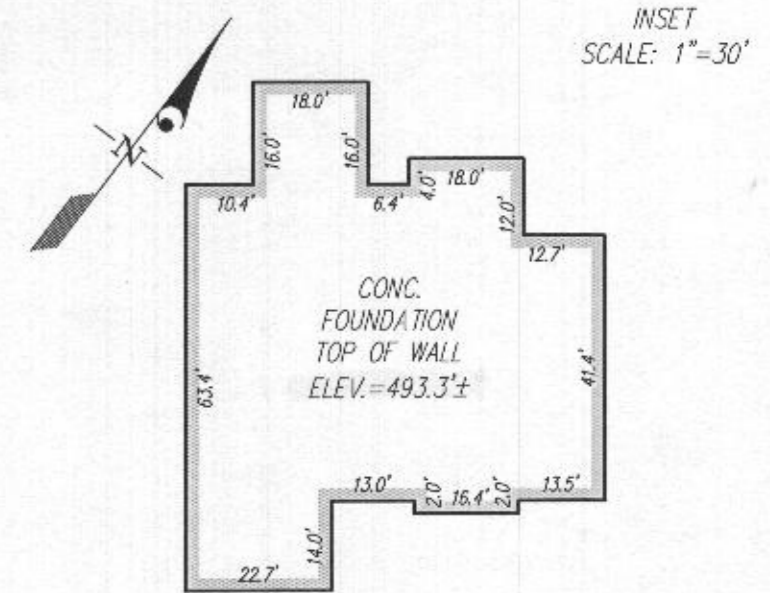
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WALLCHECK  
(SPECIAL PURPOSE SURVEY)

ESTATES AT SCHOOLEY MILL

LOT 4  
7422 HAVEN COURT

HOWARD COUNTY, MARYLAND

DATE OF LATEST FIELD WORK: 8/21/2019

G.L.W. FILE No. 17-061

REFERENCE: PLAT No.: 24577

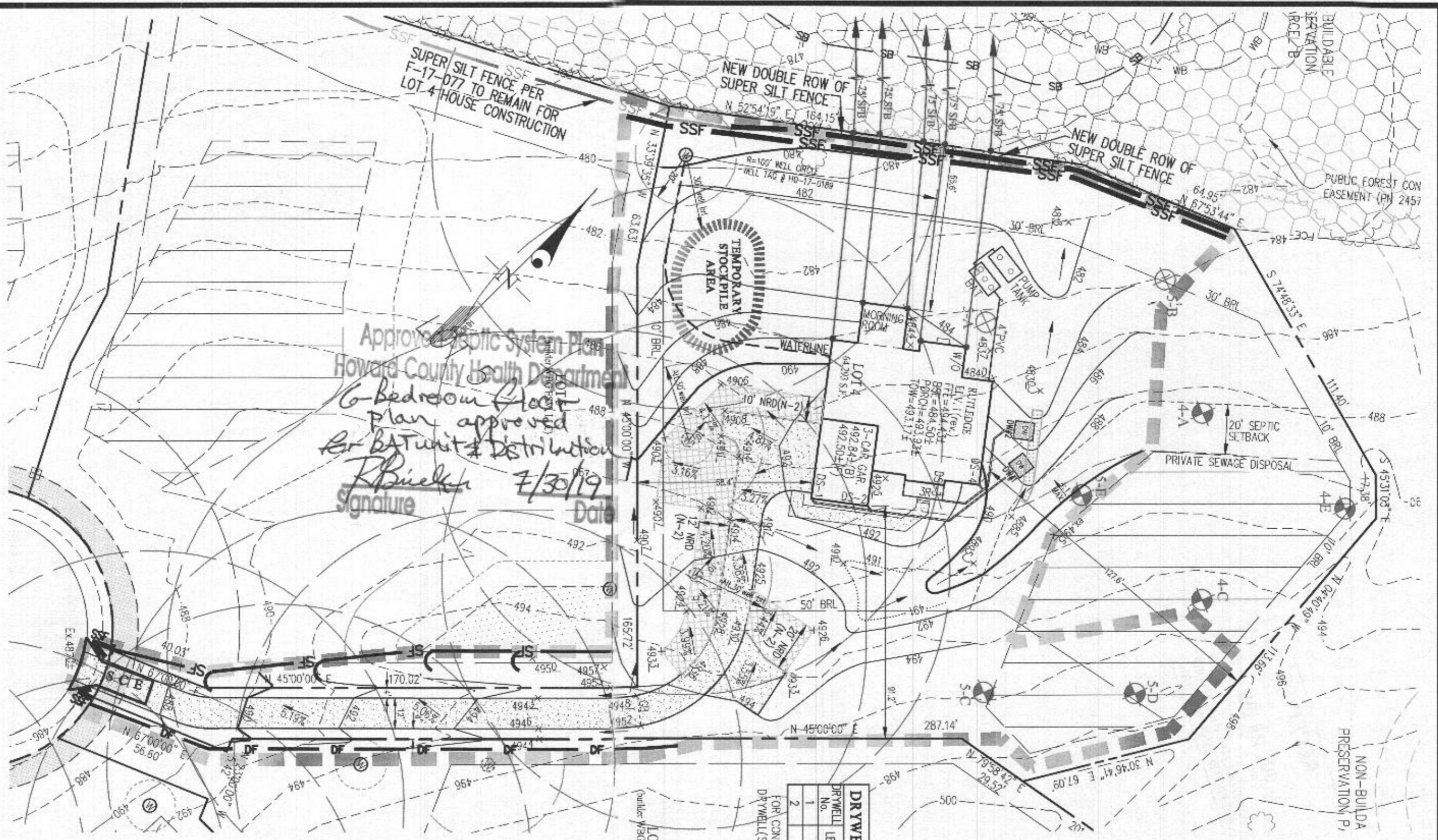
SCALE: 1"=50'

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PHONE: 301-421-0244 | BALT: 410-600-1020 | DCRAVA: 301-989-2524 | FAX: 301-421-4195

DES. PREPARED FOR:  
WILLIAMSBURG GROUP, LLC  
5485 HAPERS FARM RD  
SUITE 200  
COLUMBIA, MD 21044  
ADDISON BOND  
(410) 997-8800





Approved Septic System Plan  
 Howard County Health Department  
 6-Bedroom Floor  
 Plan approved  
 for Distribution  
*R. Buelker*  
 Signature  
 7/30/19  
 Date

**DRYWELL SIZE CHART**

DRYWELL No.	LENGTH x WIDTH	DEPTH OF STONE
1	7'x7'	5'
2	7'x7.5'	5'

FOR CONSTRUCTION DETAILS OF DRYWELL(S) SEE F-17-077, SHEET 9.

REVISED  
 Date: 7/23/19  
 Comments: B19002173  
 SEPTIC TANKS SHOWN



**BUILDING PERMIT PLOT PLAN**

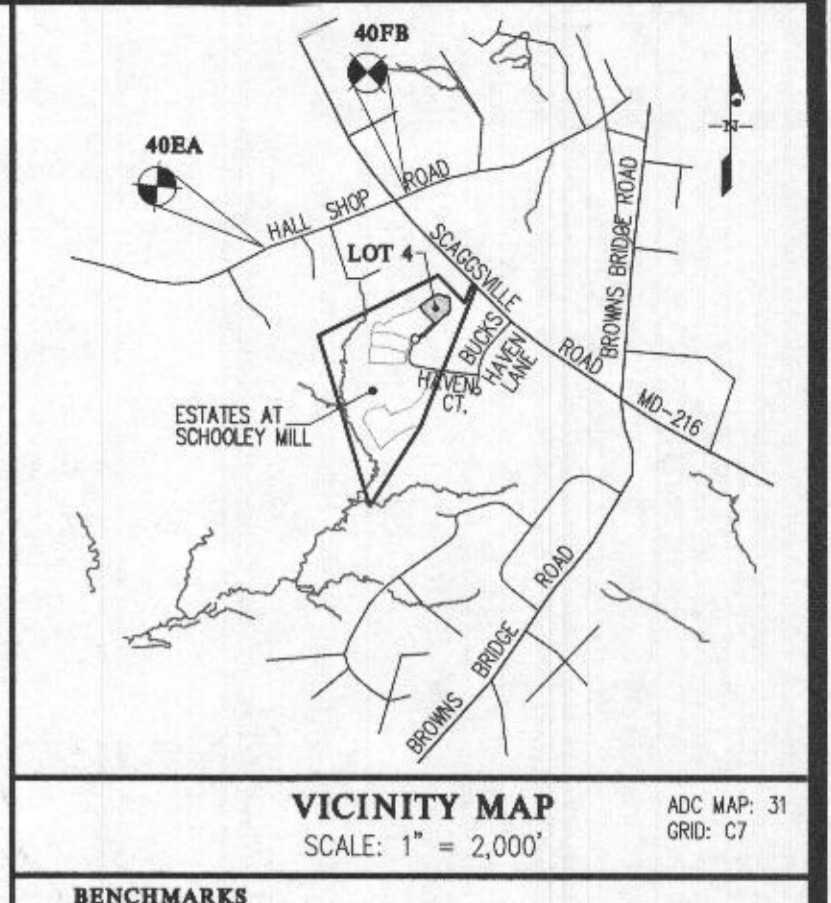
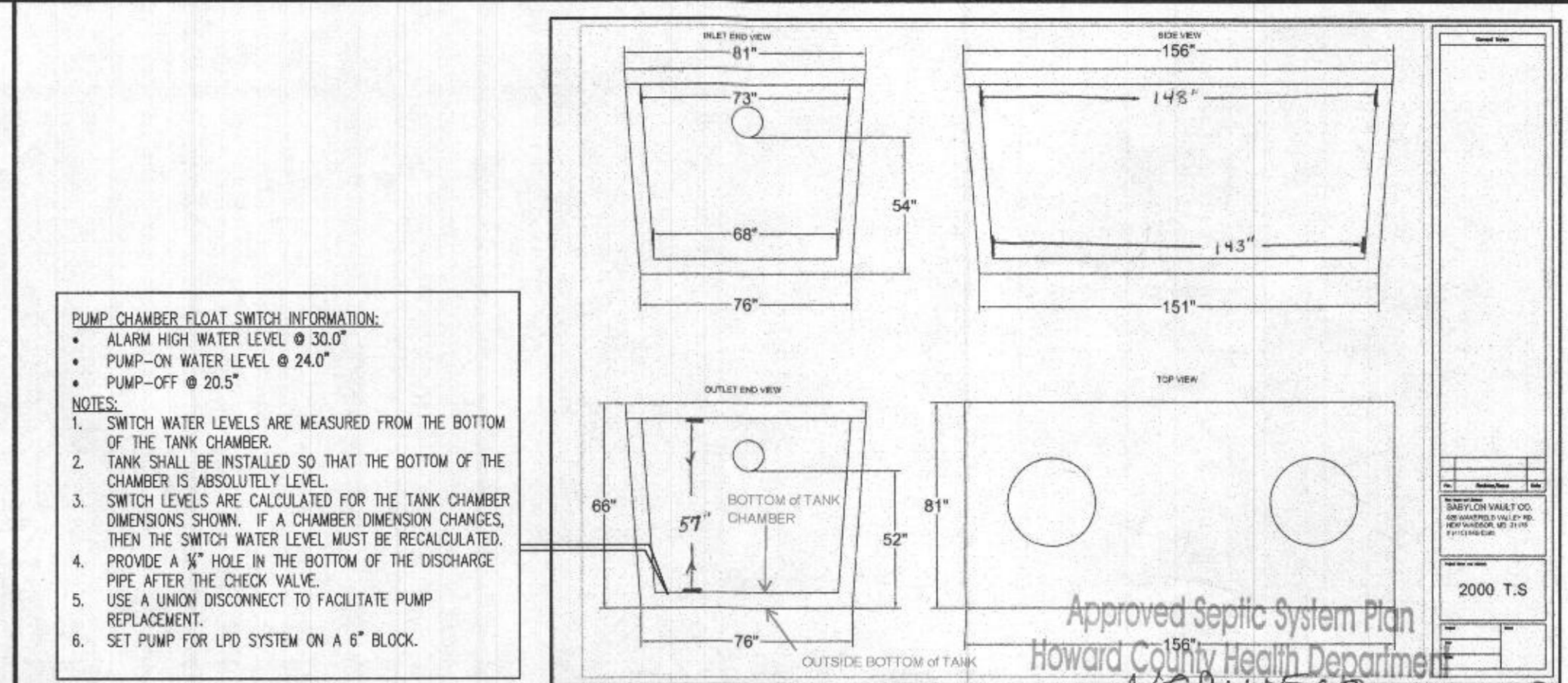
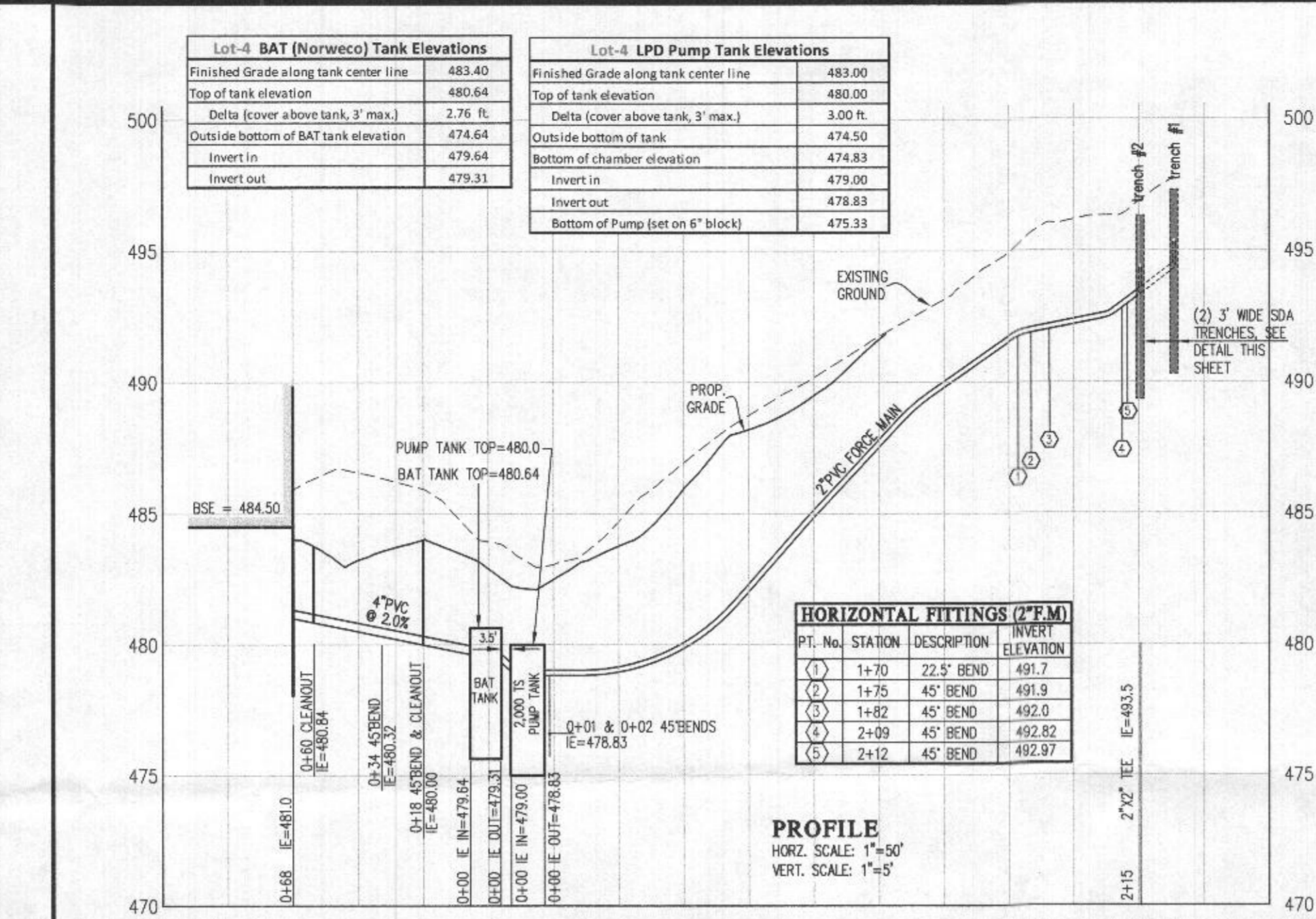
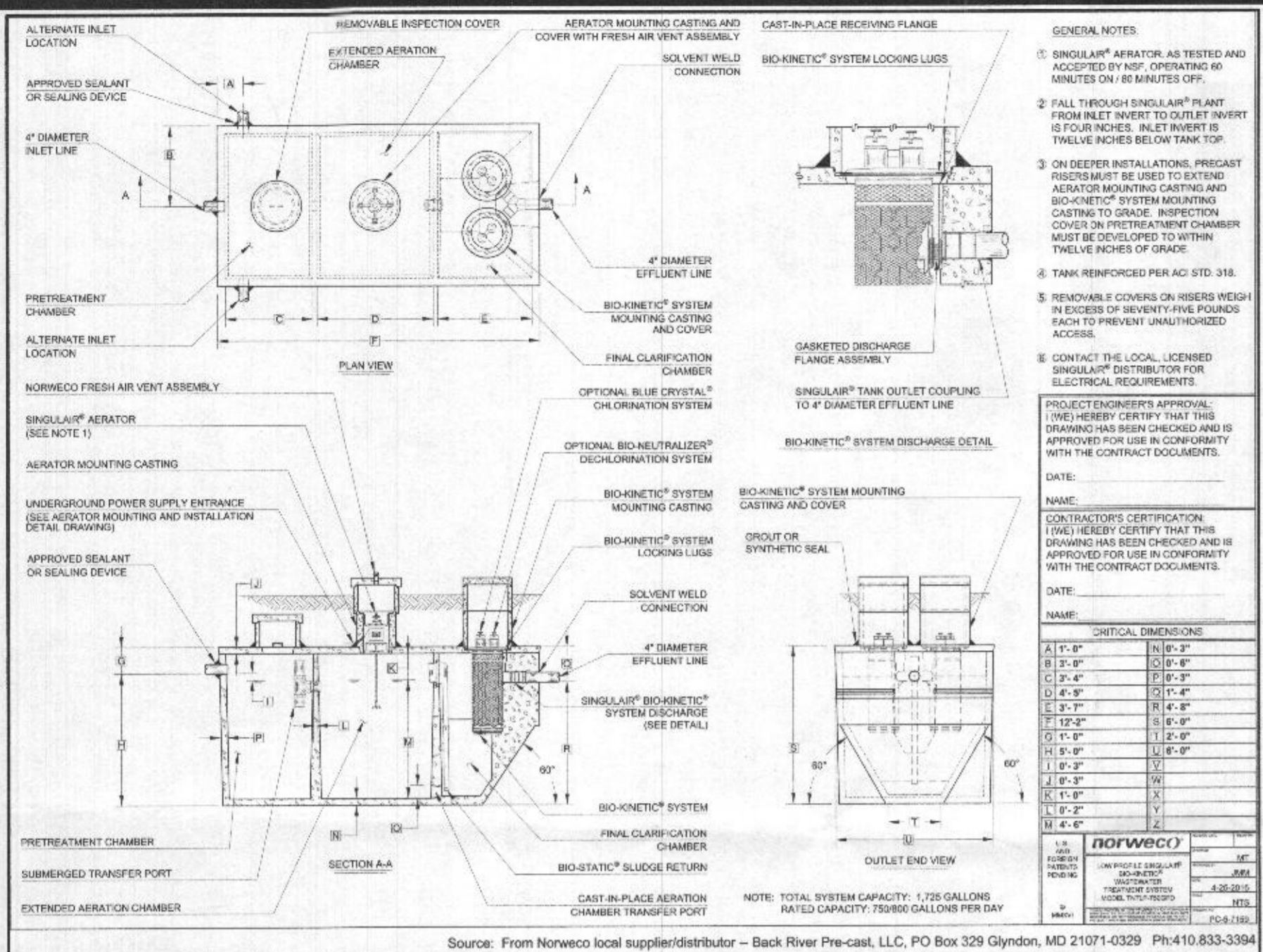
**GLW**  
 PLANNING ENGINEERING SURVEYING  
 5485 HARPERS FARM ROAD  
 COLUMBIA, MD 21044  
 PH: 410-997-8800

DES. DRN. CHK.  
 PREPARED FOR:  
 WBG ESM, LLC  
 5485 HARPERS FARM ROAD  
 COLUMBIA, MD 21044  
 PH: 410-997-8800

ESTATES AT SCHOOLEY MILL  
 LOT 4 (7422 Haven Court)  
 Plat No. 24576-24583

G.L.W. No. 14067  
 ZONING RR-DEO  
 TAX MAP/GRID 40-11  
 DATE JULY 2019  
 SCALE 1"=40'  
 SHEET 1 OF 1

LOT 4 (7422 HAVEN COURT) PLAT NO. 24576-24583



### Goulds Water Technology

**Wastewater**

**APPLICATIONS**

- Specifically designed for the following uses:
  - Homes, Farms, Trailer Courts, Mobiles, Schools, Hospitals, Industry, Urban Sewage
  - 1/2 HP and larger units have lead coated ends.

**FEATURES**

- Solid handling capabilities: 2\"/>

**NOTES**

- Fully submerged in high grade surface oil for lubrication and efficient heat transfer.
- Class B insulation on 1/2 HP models.
- Class A insulation on 2 HP models.

### Goulds Water Technology

**Wastewater**

**PUMP SELECTION**

Model	Flow (GPM)	Head (ft)	Power (HP)	Weight (lbs)
10000000	100	10	1/2	100
10000000	200	20	1	200
10000000	300	30	1.5	300
10000000	400	40	2	400
10000000	500	50	2.5	500
10000000	600	60	3	600
10000000	800	80	4	800
10000000	1000	100	5	1000

### LOW PRESSURE DISTRIBUTION SYSTEM CALCULATIONS

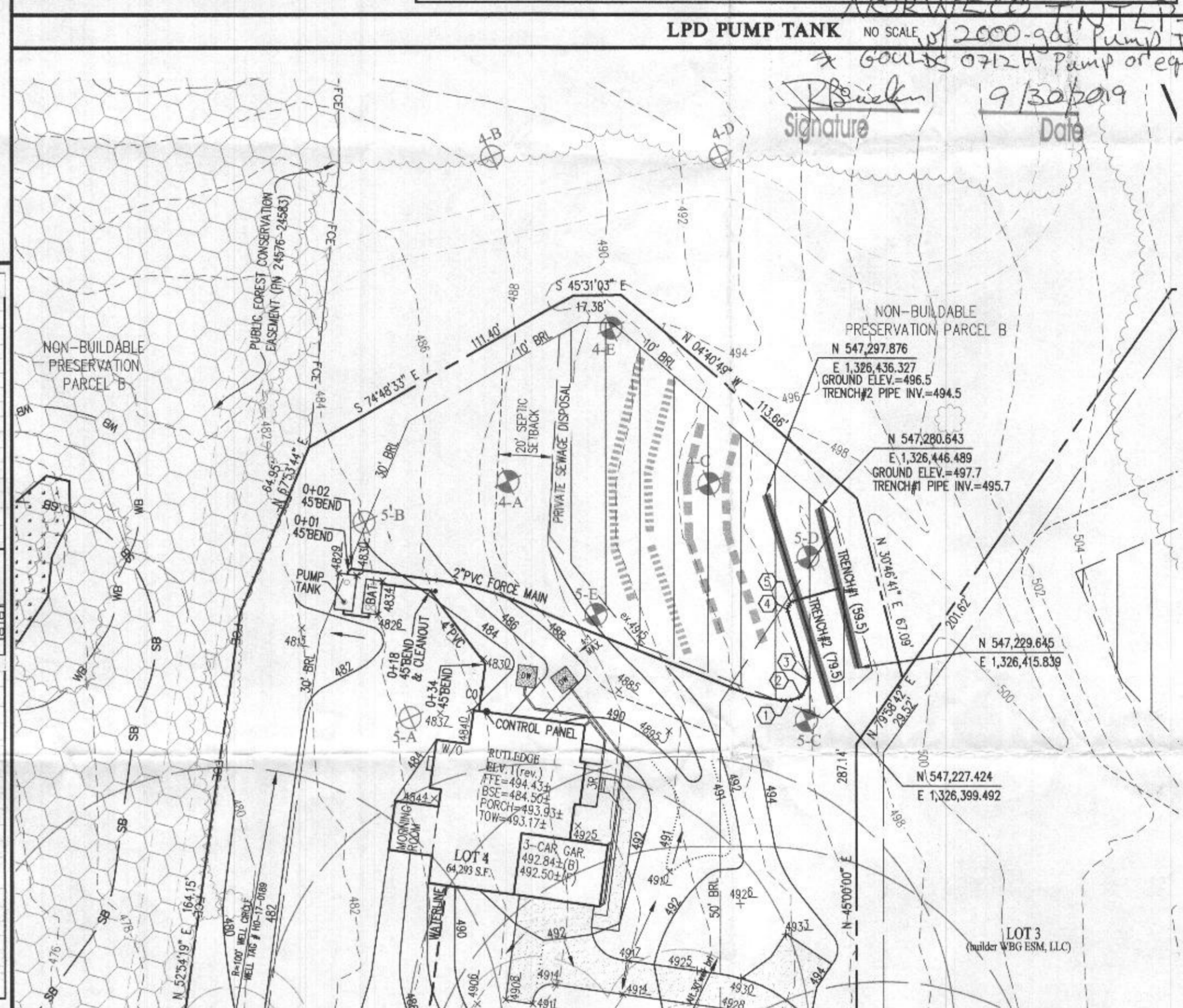
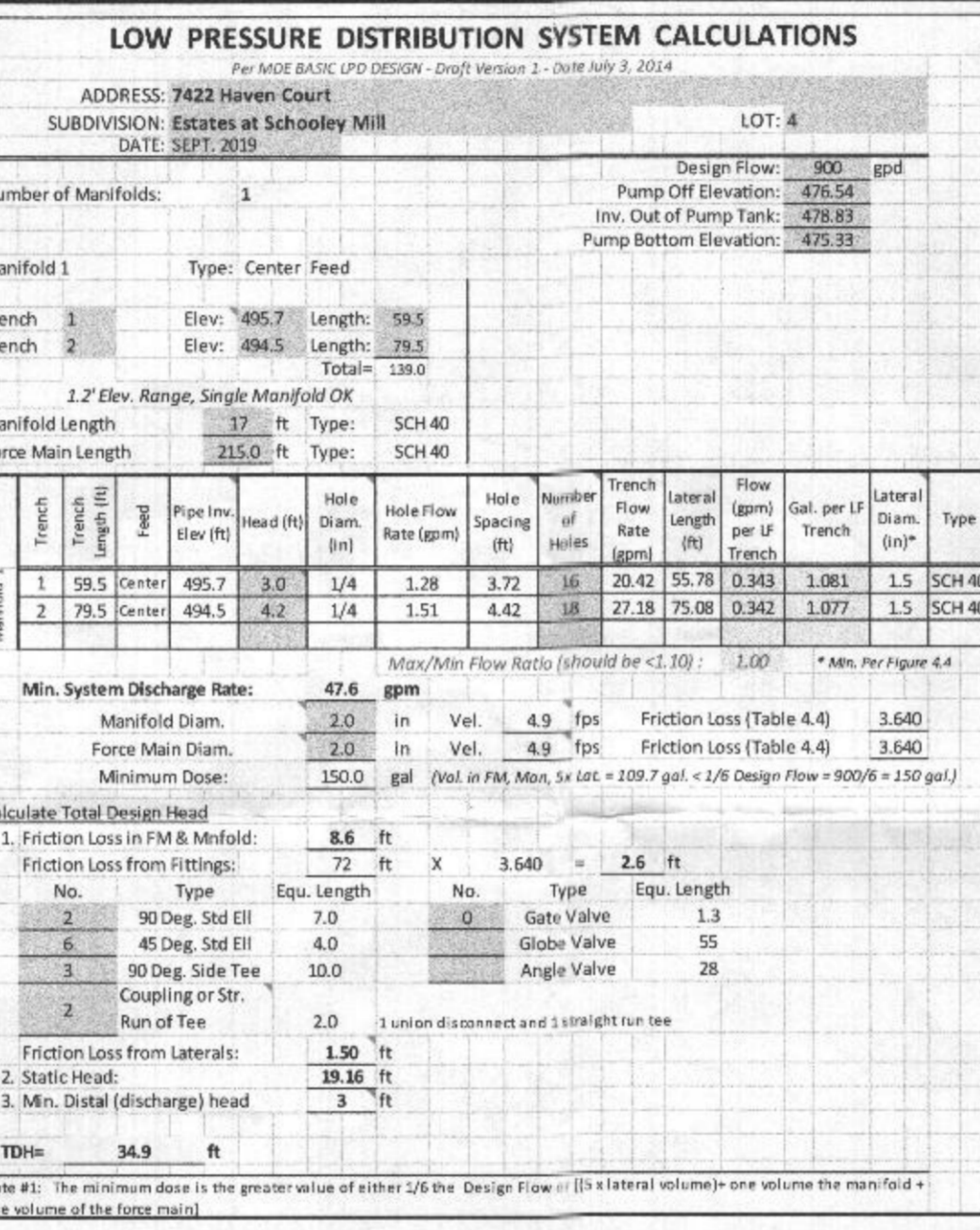
ADDRESS: 7422 Haven Court, SUBDIVISION: Estates at Schooley Mill, DATE: SEPT. 2019

Number of Manifolds: 3

Manifold 1 Type: Center Feed

Trench	Length (ft)	Flow Rate (gpm)	Friction Loss (ft)
Trench 1	59.5	4.9	3.64
Trench 2	79.5	4.9	4.82

TDH = 34.9 ft



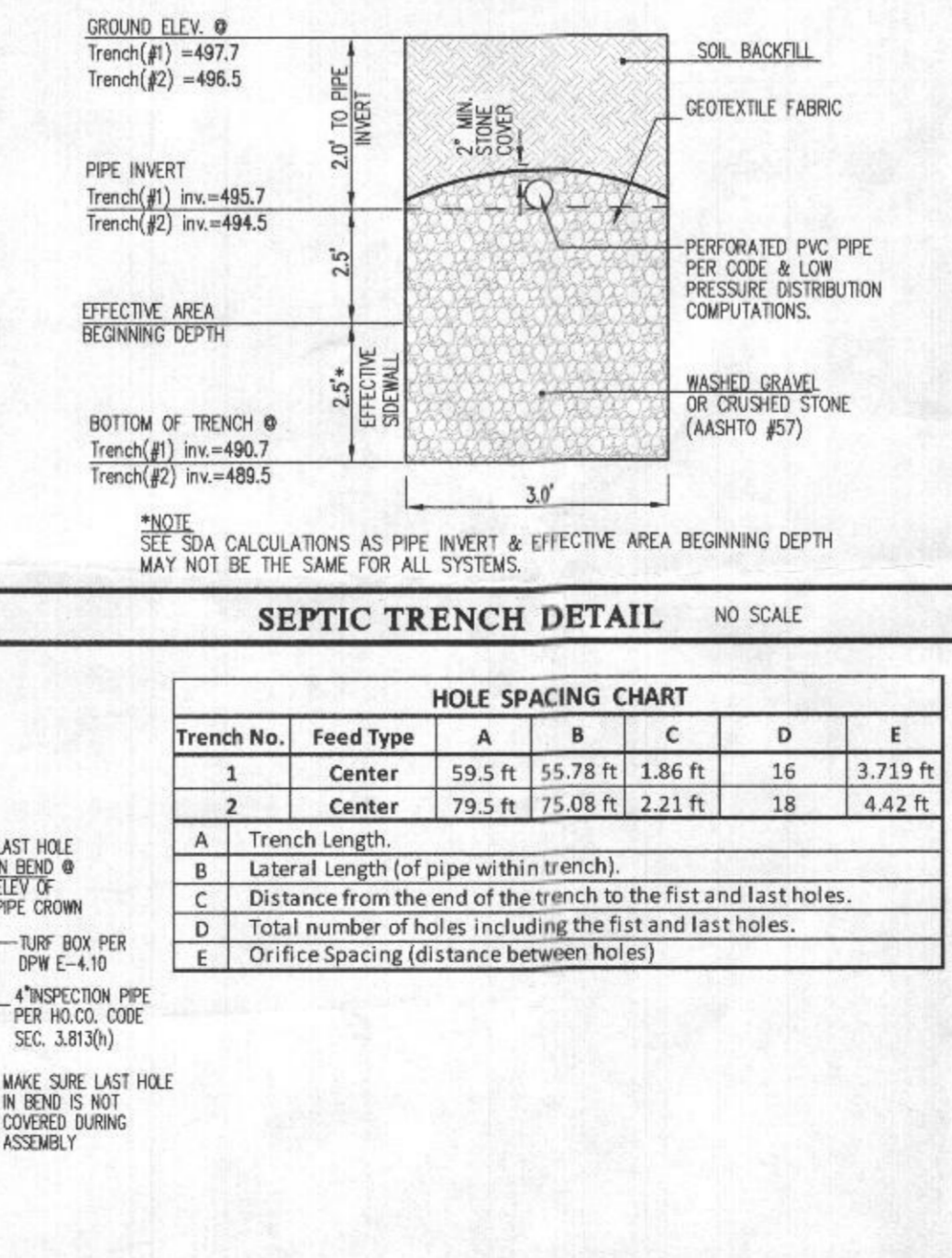
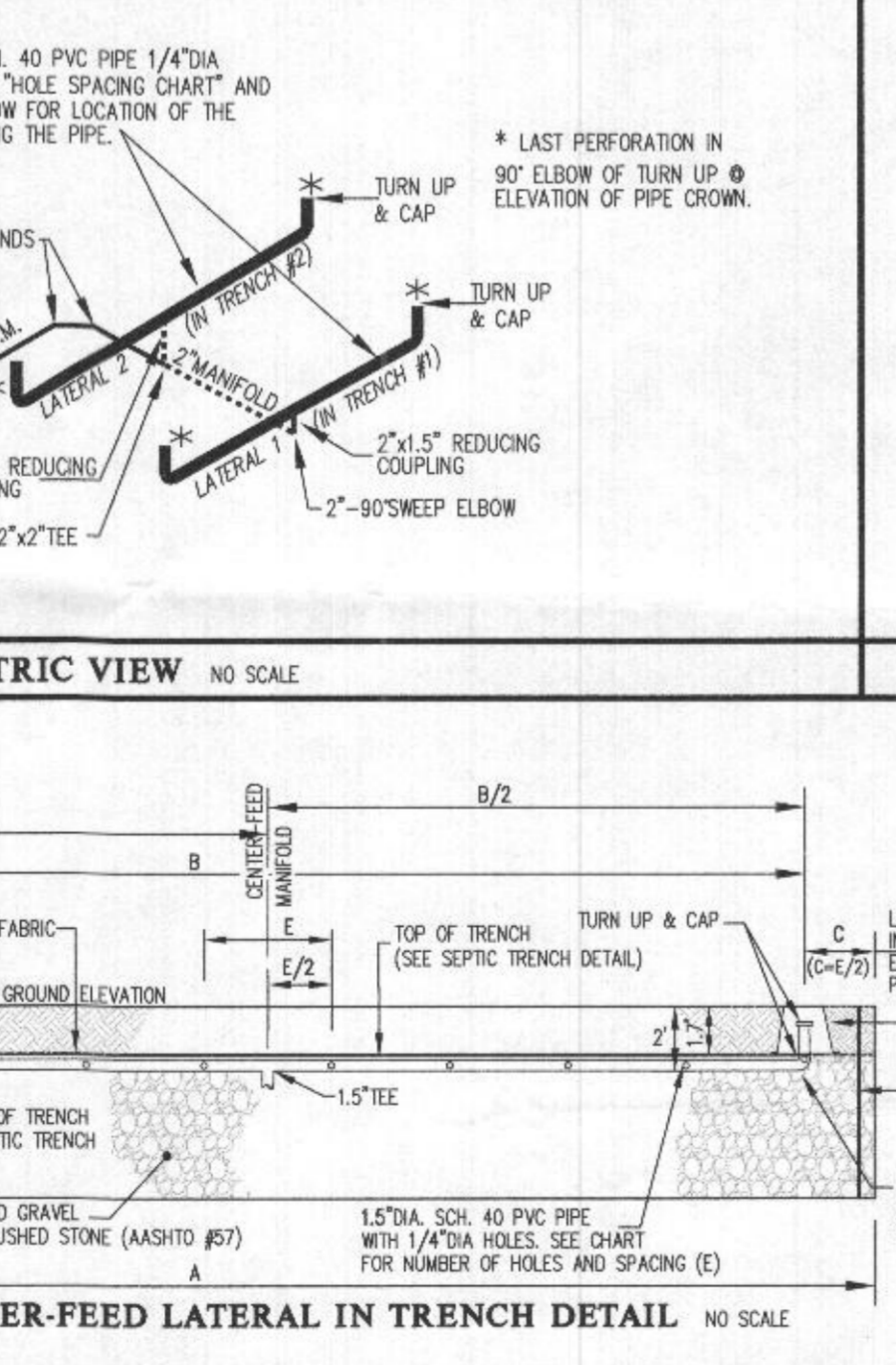
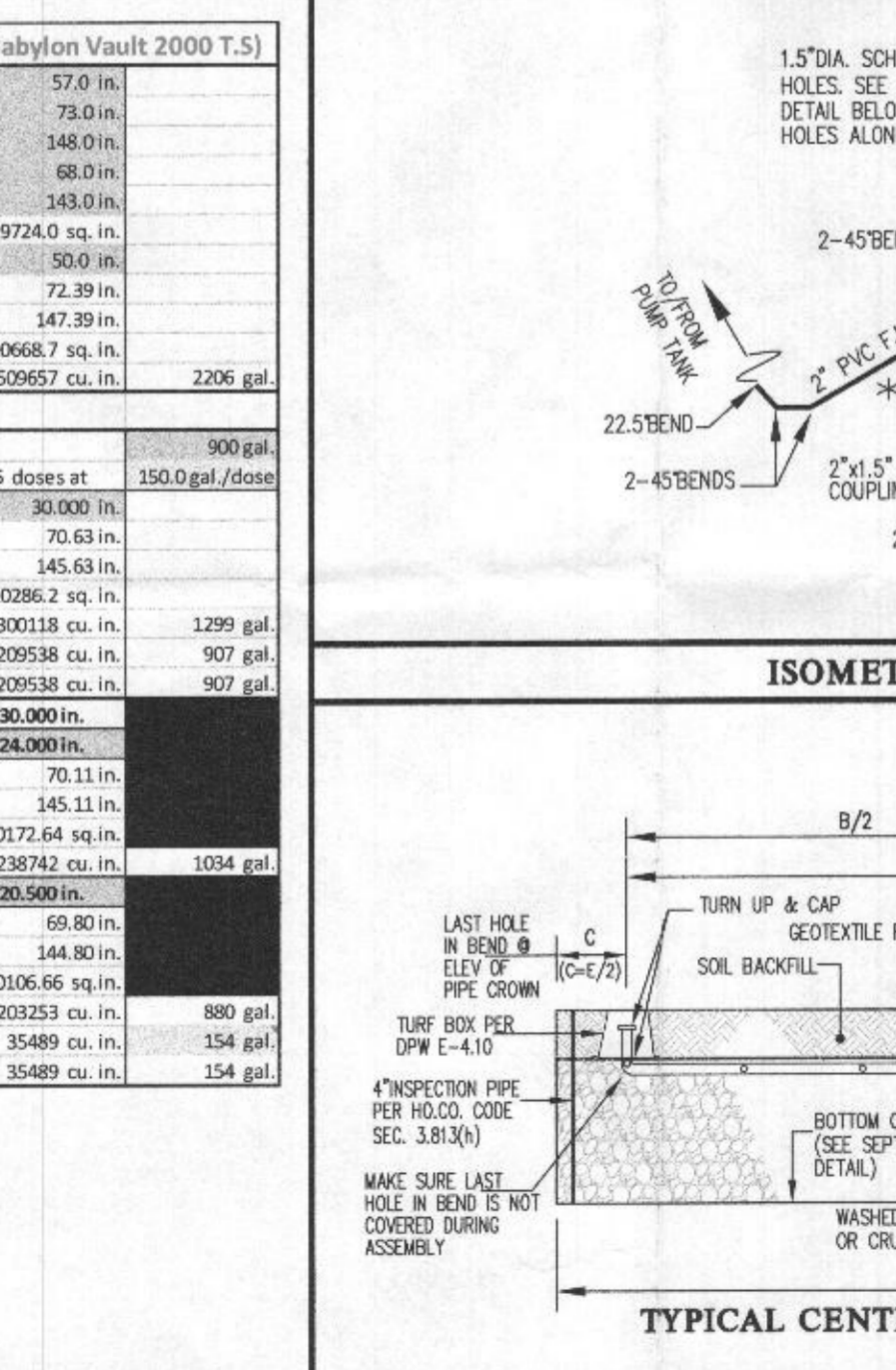
### SDA TRENCH SIZE CALCULATIONS

System Input Information	Initial System	Replacement System
Application Rate	1.2	0.8
Effective area beginning depth	4.5	3
Effective area maximum bottom depth	7	6
Number of Bedrooms	6	6
Design flow at 150 gal/day/bedroom	900	900

### Rectangular Trapezoidal Pump Chamber Volume Calculations

(Babylon Vault 2000 T.S)

Parameter	Value
Height (inside dimension from bottom of chamber to top seam)	57.0 in.
W: Top Width (inside dimension)	73.0 in.
L: Top Length (inside dimension)	148.0 in.
a: Bottom Width (inside dimension)	68.0 in.
b: Bottom Length (inside dimension)	143.0 in.
Chamber Bottom Area (a x b)	9724.0 sq. in.
Height from bottom of chamber to inlet level (Si)	80.0 in.
Chamber width at inlet level (Ci)	72.39 in.
Chamber length at inlet level (Di)	147.39 in.
Chamber Sectional Area at inlet level (Ci x Di)	10668.7 sq. in.
Chamber Volume at inlet level (Vi)	50957 cu. in.



### GLW

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PHONE: 301-421-4024 | BAL: 410-880-1820 | DC&VA: 301-889-2524 | FAX: 301-421-4186

DESIGNED BY:	DATE:
MBT	

DRAWN BY:	DATE:
KLP	

PREPARED FOR:

WBG ESM, LLC  
5485 HARPERS FARM ROAD  
COLUMBIA, MD 21044  
PH: 410-997-8800

PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE PLANS 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. 12785.

EXPIRATION DATE: MAY 26, 2020

### SITE PLAN FOR BAT INSTALLATION

## ESTATES AT SCHOOLEY MILL

### LOT 4 (7422 Haven Court)

Plat No. 24576-24583

ELECTION DISTRICT No. 5

SCALE	ZONING	G. L. W. FILE NO.
1"=40'	RR-DEO	14067
DATE	TAX MAP - GRID	SHEET
SEPT. 2019	40 - 11	1 OF 1