

**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](http://www.hchealth.org)  
 Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)

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

RECEIPT DATE: 9/24/20 **ONSITE SEWAGE DISPOSAL SYSTEM** P 567992

APPROVAL DATE: 12/15/2020 (ST) **PERMIT: CONSTRUCTION** A \_\_\_\_\_

PROPERTY ADDRESS: 12221 Mayapple Drive

SUBDIVISION: Walker Meadows LOT: 27 TAX ID: 03-601585

CONTRACTOR: South Carroll Backhoe EMAIL: scbackhoe@comcast.net

CONTRACTOR ADDRESS: 4410 Salem Bottom Road, Westminster, MD 21157 PHONE: 410-596-3618

CONTRACTOR CERTIFIED FOR BAT INSTALLATION:  MDE  MANUFACTURER:

PROPERTY OWNER: NVR INC. EMAIL: \_\_\_\_\_

OWNER ADDRESS: 9720 PATUXENT WOODS DRIVE, COLUMBIA, MD 21046 PHONE: 410-379-5956

BAT UNIT MODEL: HOOT 600 BNR PUMP SIZE: 0.7 Hp PUMP TANK CAPACITY: 1500

OPERATION & MAINTENANCE AGREEMENT DATE SIGNED: \_\_\_\_\_ DATE RECORDED: \_\_\_\_\_

DISTRIBUTION SYSTEM:  GRAVITY  PRESSURE DOSED BEDROOMS: 6 APPLICATION RATE: 1.2

|           |  |  |
|-----------|--|--|
| TRENCHES: | LINEAR FEET REQUIRED: <u>139</u>   | INLET DEPTH: <u>2.0</u>                    |
|           | TRENCH WIDTH: <u>3</u>   | MAXIMUM BOTTOM DEPTH: <u>5.0</u>           |
|           | MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>  | EFFECTIVE AREA BEGINNING DEPTH: <u>2.5</u> |
| LOCATION: | <b>PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.</b>  |  |
| NOTES:    | INSTALL AT LEAST 2 CLEANOUTS IN SHC NEAR FOUNDATION AND AT SECOND BEND.<br>USE 1/4" PREFORATIONS IN LATERALS<br>RECOMMENDED EFFLUENT PUMP (FOR LPD SYSTEM) IS WE-07H, OR EQUIVALENT.<br>SYSTEM MUST PASS A PUMP AND ALARM TEST PRIOR TO ISSUE OF ICOP. |  |

ISSUED BY: Robert Bricker ISSUE DATE: \_\_\_\_\_ EXPIRATION DATE: \_\_\_\_\_

- 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 DOWNGRADIENT 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  
 ELECTRICAL PERMIT ISSUED E B20003165
- NOTE: AN INDIVIDUAL CERTIFIED BY MDE AND THE MANUFACTURER FOR BAT INSTALLATION MUST BE PRESENT AT ALL TIMES DURING BAT INSTALLATION.
- NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

**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.**

NOT TO SCALE

\* see attached

**TRENCH/DRAINFIELD DATA**

|  |       |        |
|--|-------|--------|
| WIDTH                                      | INLET | BOTTOM |
| 3'   | 2'    | 5'     |
| NUMBER OF TRENCHES <u>3</u>                |       |        |
| TOTAL LENGTH <u>153'</u>                   |       |        |
| ABSORPTION AREA <u>459 sqft + sidewall</u> |       |        |
| DISTRIBUTION BOX LEVEL <u>-</u>            |       |        |
| DISTRIBUTION BOX BAFFLE <u>-</u>           |       |        |
| DISTRIBUTION BOX PORT <u>-</u>             |       |        |

**SEPTIC TANK DATA**

**SEPTIC TANK 1 LEVEL**

MANUFACTURER Hoot 6000 BNR

CAPACITY 6000 GAL

SEAM LOC top

TANK LID DEPTH 2'

BAFFLES front

BAFFLE FILTER -

MANHOLE LOC front

6" PORT LOC -

WATERTIGHT TEST -

SLOTTED -

DATE ON LID 11-10-20

**PUMP/SEPTIC TANK LEVEL**

MANUFACTURER Bockner

CAPACITY 1500 GAL

SEAM LOC top

TANK LID DEPTH 2'

BAFFLES front

BAFFLE FILTER -

MANHOLE LOC front + back

6" PORT LOC -

WATERTIGHT TEST -

SLOTTED -

DATE ON LID 11-14-20

ROAD NAME

**PRE-CONSTRUCTION:**

11/19/2020 Laid out 3 trenches according to plan. Contractor says that tanks will probably need to be set at max cover to make fall (before proposed regrade.)

(S)

INSTALLATION: 12/2/2020 SL constructed and tanks set. Two 51' trenches constructed with laterals that have 16 perforations 36" apart. Re-inspect for SHC. (S) 12/3/20 - 3rd trench completed (51'), 14 perforations 42" apart, geotextile fabric to be installed before backfill, FM completed (3"), SHC not completed yet. Reinspect for SHC & P&A. (R) 12/09/2020 SHC verified (P) 12/15/2020 observed distal head pressure on all three laterals and proper high water alarm in pump tank. Hoot recirculation and aeration work. Hoot and pump tank Alarm work. Observed septic pump, alarm and Hoot on separate breakers in basement. Alarms outside (S)

FINAL INSPECTOR

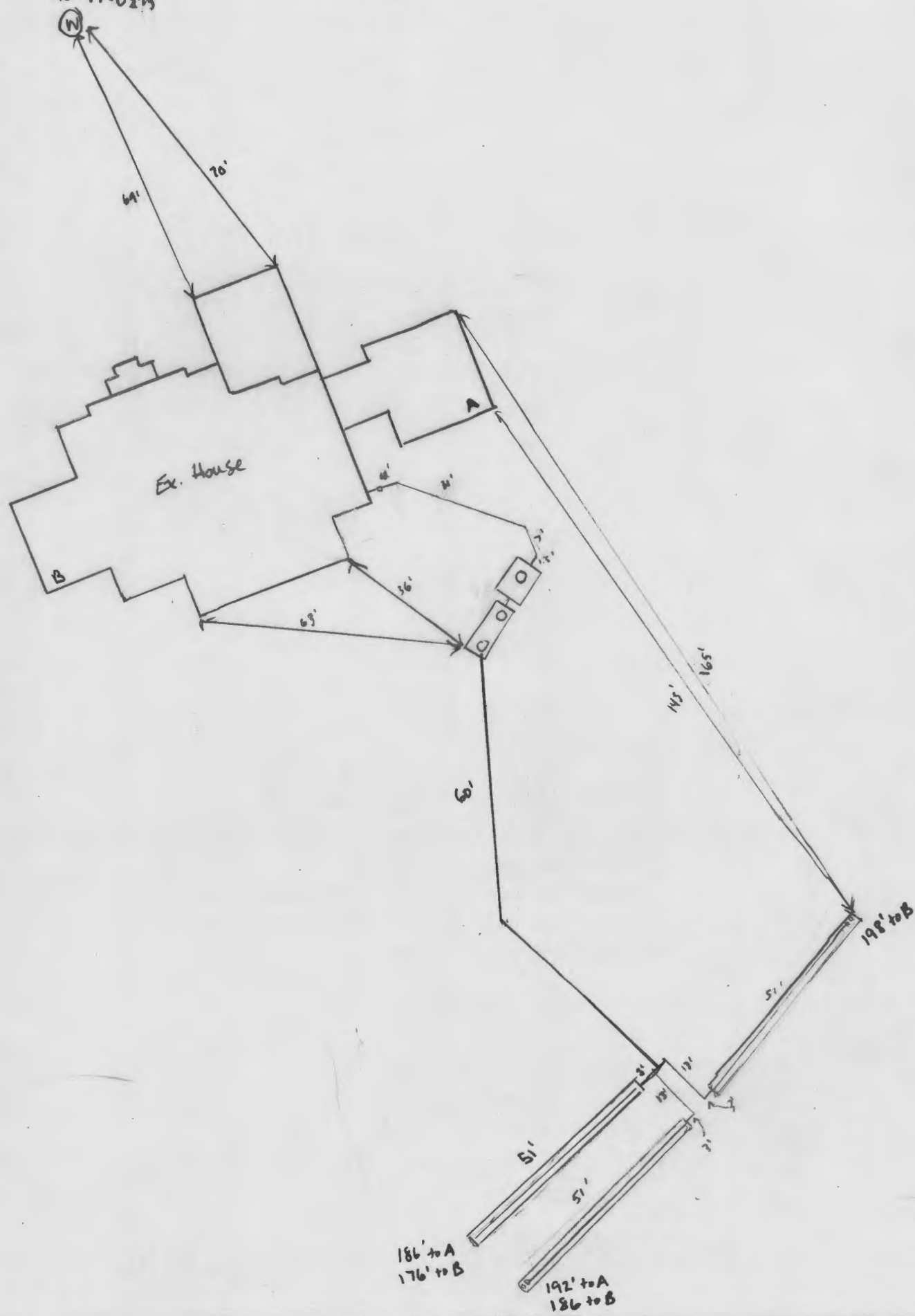
Dusan Thomas

DATE OF APPROVAL

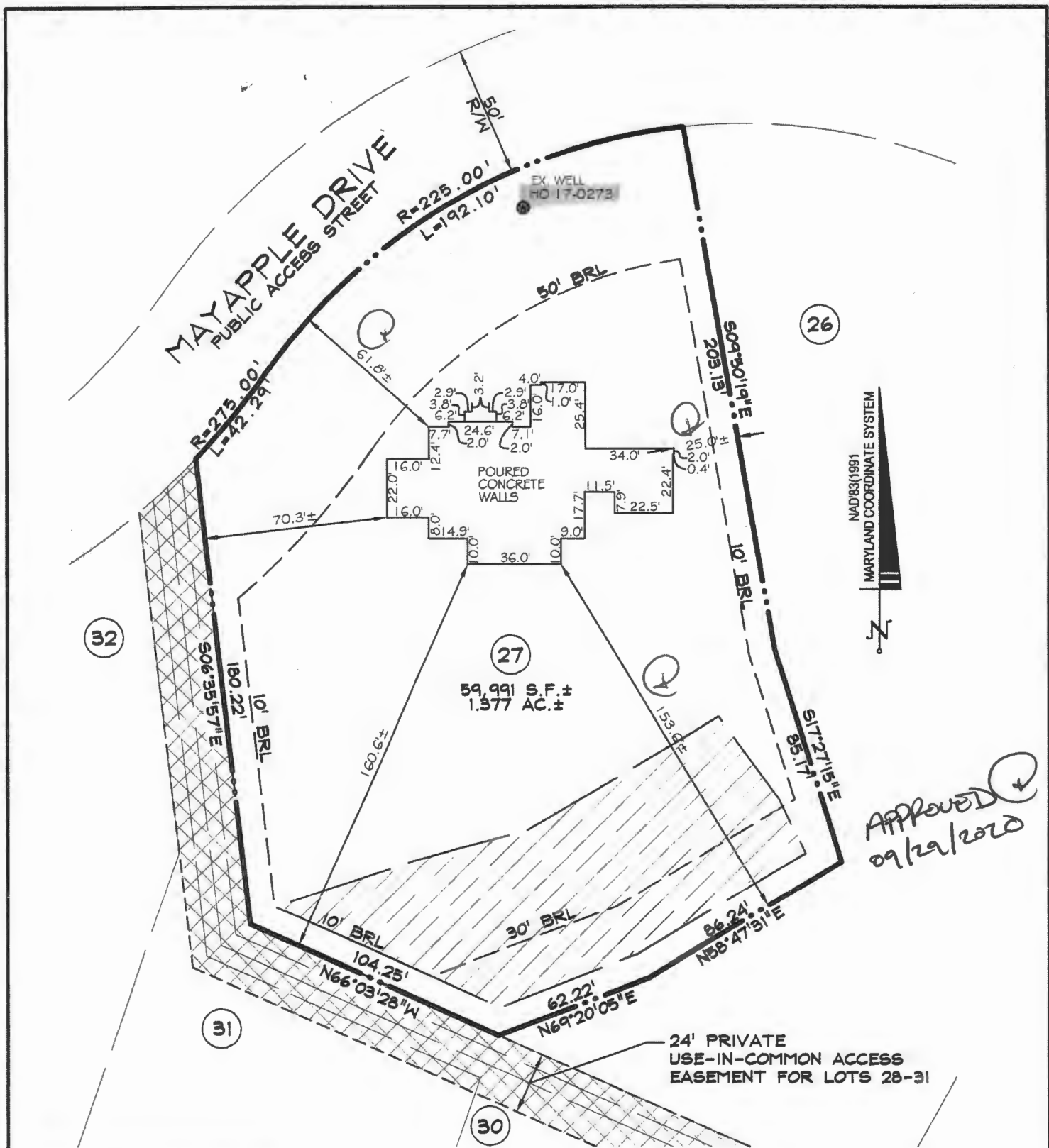
12/15/2020

Mayapple Dr

HO-17-0279





1221 Mayapple Dr  
 Walker Meadows Lot 27  
 NOT TO SCALE 1" = 30'



APPROVED  
09/29/2020

BRL - BUILDING RESTRICTION LINE

-  PRIVATE SEWAGE DISPOSAL AREA
-  PRIVATE USE IN COMMON ACCESS EASEMENT

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT I EITHER PERSONALLY PREPARED OR WAS IN RESPONSIBLE CHARGE OVER THE PREPARATION OF THIS DRAWING AND THE SURVEYING WORK REFLECTED IN IT, AND THAT IT IS IN COMPLIANCE WITH REQUIREMENTS SET FORTH IN REGULATION .12 OF CHAPTER 06, MINIMUM STANDARDS OF PRACTICE. I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE No. 11039, EXPIRATION DATE 09/16/20.

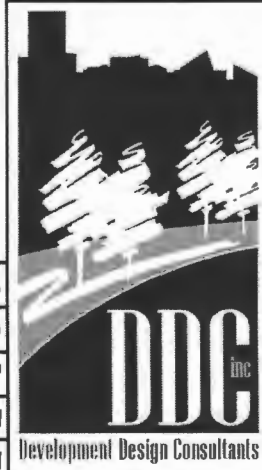


*J. Watkins* 9/10/20

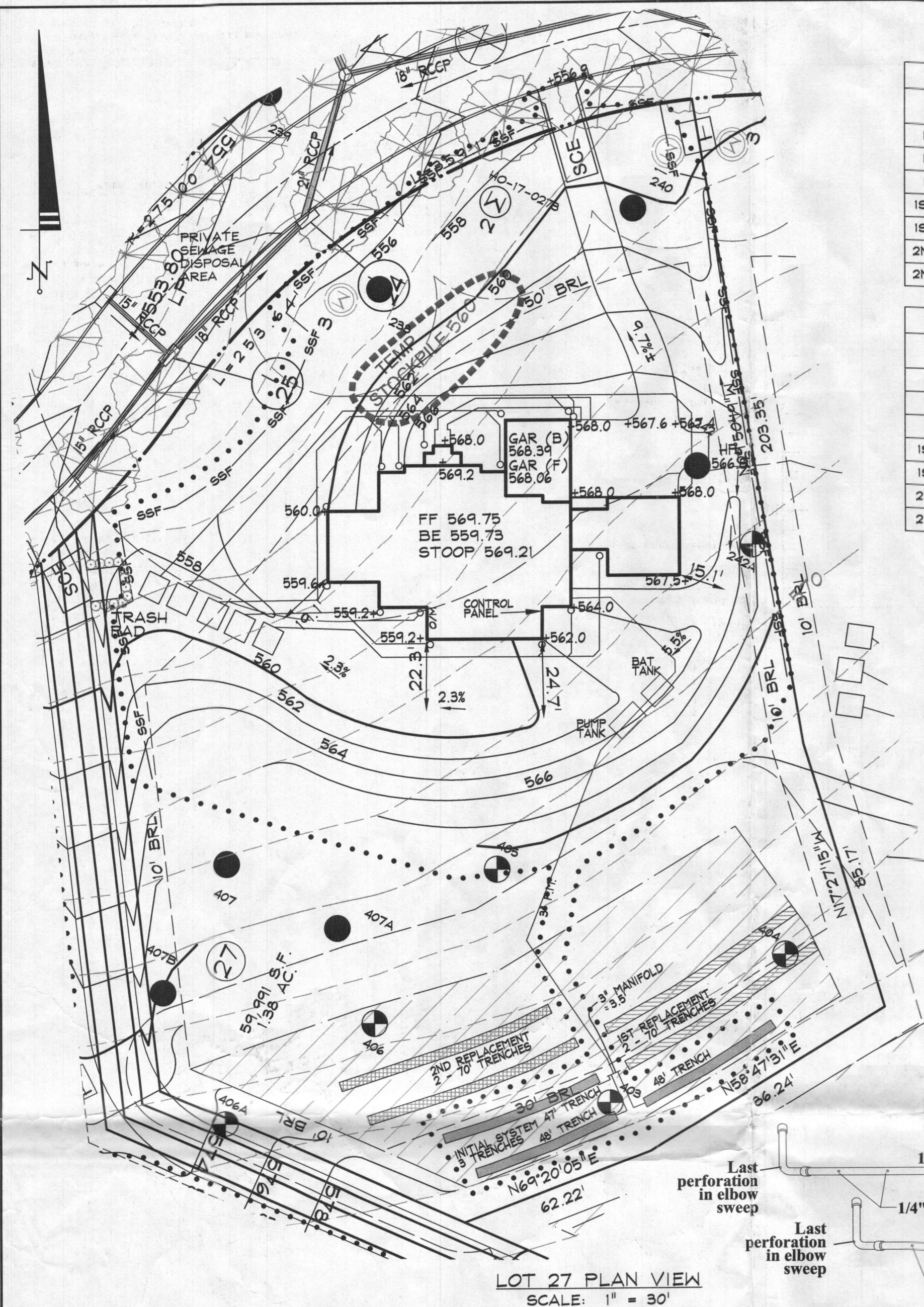
TOP OF WALL = 568.6

WALL CHECK  
12221 MAYAPPLE DRIVE  
LOT 27  
WALKER MEADOWS  
PLAT NO. 24978  
3rd ELECTION DISTRICT HOWARD COUNTY, MD

|           |            |
|-----------|------------|
| DDC JOB#: | 12064.3    |
| DATE:     | 09/10/2020 |
| SCALE:    | 1"=50'     |
| DRN. BY:  | CWJ        |
| CHK. BY:  | JLM        |



Planners  
Surveyors  
Engineers  
Landscape Architects  
  
192 East Main Street  
Westminster, MD 21157  
410.386.0560  
410.386.0564 (Fax)  
DDC@DDCinc.us  
www.DDCinc.us

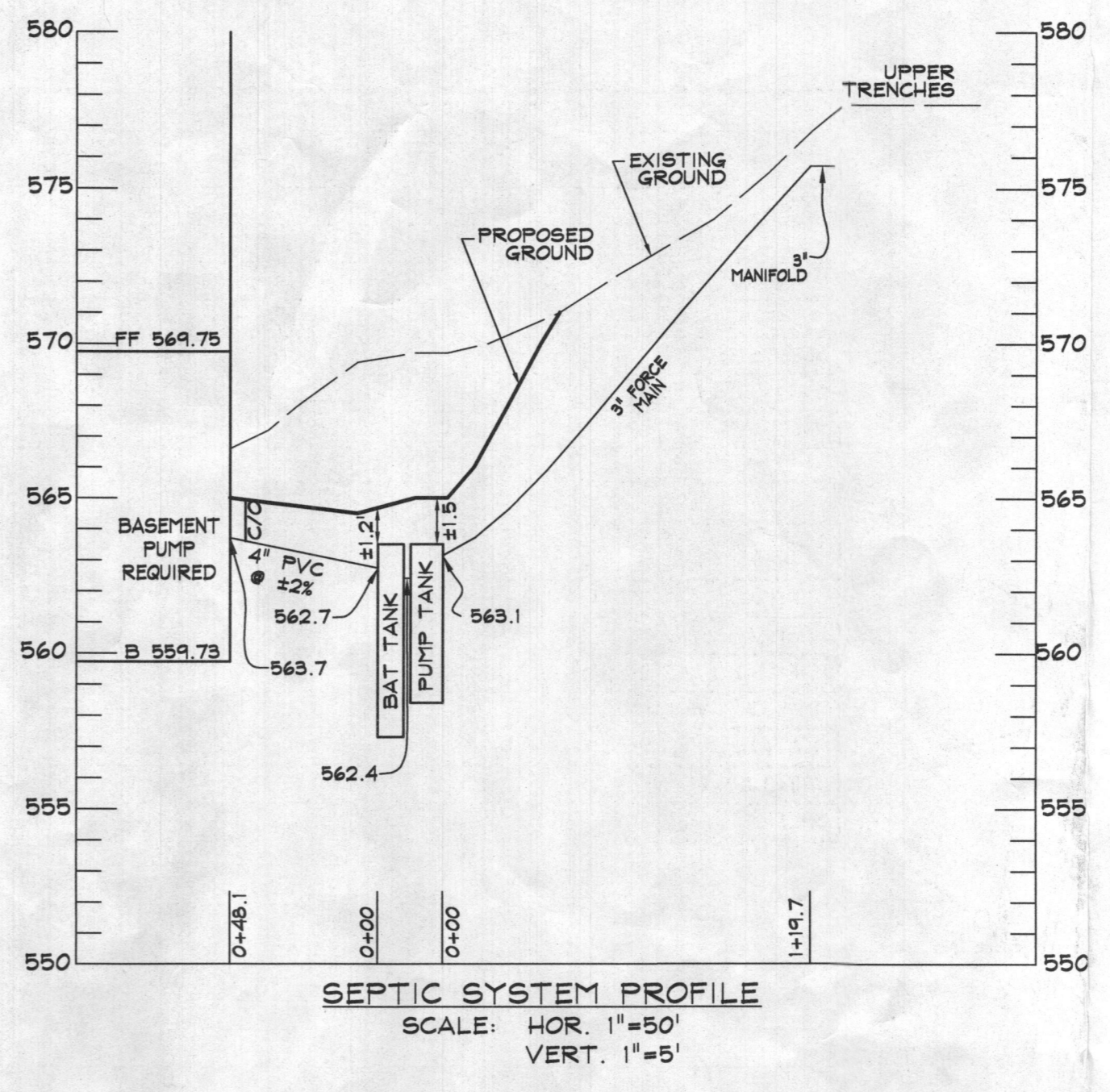
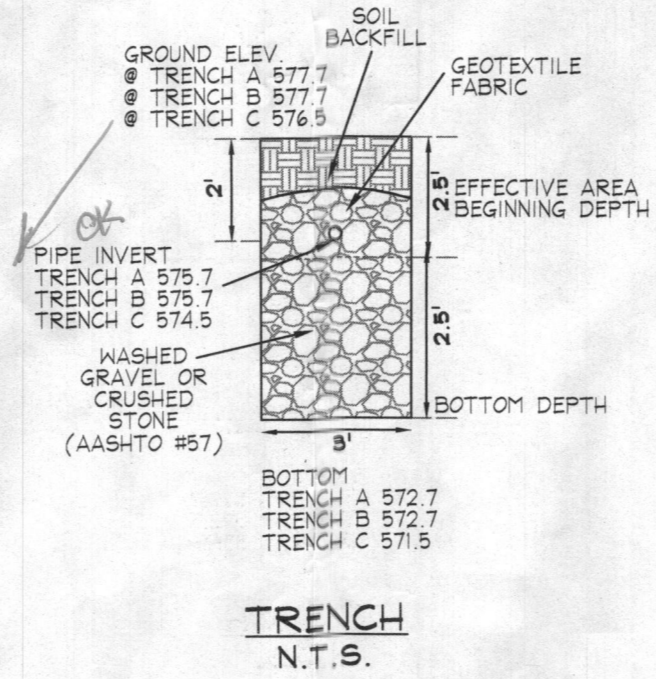


**LOT 27 - RELATIVE DEPTHS**

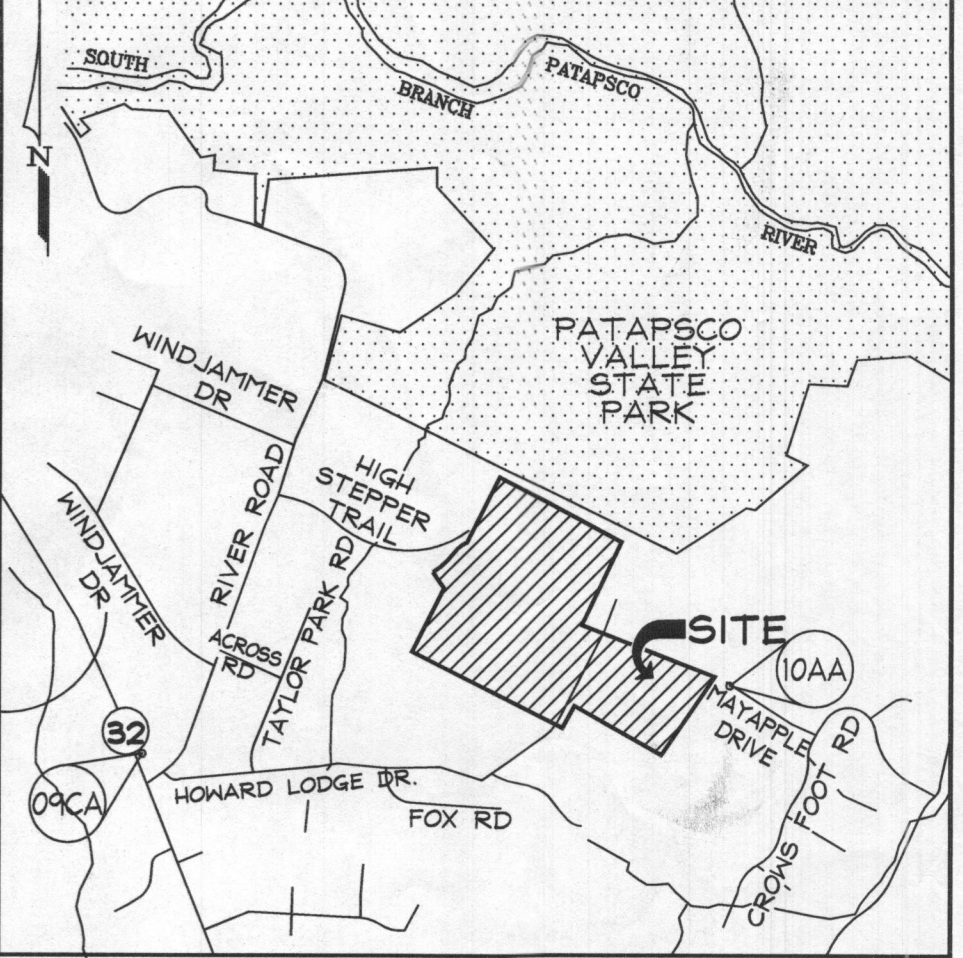
|                     | PIPE INVERT | EFFECTIVE AREA BEGINNING | MAXIMUM TRENCH BOTTOM |
|---------------------|-------------|--------------------------|-----------------------|
| INITIAL SYSTEM (A)  | 2'          | 2.5'                     | 5'                    |
| INITIAL SYSTEM (B)  | 2'          | 2.5'                     | 5'                    |
| INITIAL SYSTEM (C)  | 2'          | 2.5'                     | 5'                    |
| 1ST REPLACEMENT (A) | 2'          | 2.5'                     | 5'                    |
| 1ST REPLACEMENT (B) | 2'          | 2.5'                     | 5'                    |
| 2ND REPLACEMENT (A) | 2'          | 2.5'                     | 5'                    |
| 2ND REPLACEMENT (B) | 2'          | 2.5'                     | 5'                    |

**LOT 27 - APPROXIMATE ELEVATIONS**

|                     | GROUND ELEVATION | INVERT ELEVATION | BOTTOM ELEVATION |
|---------------------|------------------|------------------|------------------|
| INITIAL SYSTEM (A)  | 577.7            | 575.7            | 572.7            |
| INITIAL SYSTEM (B)  | 577.7            | 575.7            | 572.7            |
| INITIAL SYSTEM (C)  | 576.5            | 574.5            | 571.5            |
| 1ST REPLACEMENT (A) | 576.5            | 574.5            | 571.5            |
| 1ST REPLACEMENT (B) | 575.5            | 573.5            | 570.5            |
| 2ND REPLACEMENT (A) | 575.5            | 573.5            | 570.5            |
| 2ND REPLACEMENT (B) | 574.5            | 572.5            | 569.5            |



**BENCHMARK**  
 BENCHMARK 02CA  
 N. 604209.546  
 E. 1325501.308  
 B.M. 02CA - CONC MON  
 ELEV. N. 549.090  
 BENCHMARK 10AA  
 N. 604753.341  
 E. 1331668.810  
 B.M. 10AA - CONC MON  
 ELEV. N. 563.089  
 ADC MAP COORDINATES  
 MAP 5 GRID E9  
 N 34°20'00", E 76°57'30"



**VICINITY MAP**  
 SCALE: 1"=200'

**DRAWING LEGEND**

- LIMIT OF DISTURBANCE
- SF — SF PROPOSED SILT FENCE
- SSF — SSF PROPOSED SUPER SILT FENCE
- SCE STABILIZED ENTRANCE
- ⊕ TRANSFORMER
- ⊕ PERCOLATION TEST HOLE WITH EXISTING WELL
- ▨ SEWAGE DISPOSAL AREA
- DRY WELL
- ▨ WIDE GRASS SHOULDER
- TEMPORARY STOCKPILE

**DATA SOURCES:**  
 EX. BOUNDARY SHOWN PER BOUNDARY SURVEY BY SHANBERGER AND LANE DATED JUNE 2014. TOPOGRAPHY SHOWN PER AERIAL PHOTOGRAMMETRY AND FIELD RUN TOPOGRAPHY DATED 5/2014. ADJACENT WELL AND SEPTIC INFORMATION APPROXIMATED FROM ADJACENT PLATS HEALTH DEPARTMENT RECORDS AND FIELD OBSERVATION ON JUNE 25, 2012. EX. ENVIRONMENTAL INFORMATION SHOWN PER FIELD INVESTIGATION BY ECO-SCIENCE SOLUTIONS CONDUCTED ON OR ABOUT JUNE, 2014.

IF THE LOCATION OF THE OF THE STANDARD PROBE STAFF IN THE PUMP TANK IS MORE THAN 50' FROM THE CONTROL PANEL, A FLOAT TREE MUST BE INSTALLED TO CONTROL THE RECIRCULATION PUMP INSTEAD OF THE STANDARD PROBE STAFF. CALL MAYER BROS. IN ADVANCE TO ORDER PARTS AND DISCUSS.

IF LATERAL TURN-UPS ARE CUT OFF BELOW THE SOIL SURFACE THEY ARE NOT TO BE CUT OFF. CONDUCTED CUT OFF TURN-UPS ARE TO BE PROTECTED BY A TUREX BOX WHICH IS SUPPORTED BY BRICKS RESTING ON GRAVEL.

**SEWAGE DISPOSAL SYSTEM DATA (5 BEDROOM):**  
 1. INVERT @ FOUNDATION WALL: 563.7 (BASEMENT PUMP REQUIRED)  
 2. HOOT 600 BNR SYSTEM W/ 1,500 GALLON PUMP CHAMBER  
 EX. GRADE OVER BAT TANK: 564.5  
 PROP. GRADE OVER BAT TANK: 564.8  
 INVERT: 562.7  
 PUMP TANK  
 EX. GRADE OVER PUMP TANK: 564.7  
 PROP. GRADE OVER PUMP TANK: 565.0  
 INVERT: 562.4  
 3. TRENCH DESIGN (6 BDRM X 150 GPD/BDRM = 900 GPD)  
 EX. GRADE OVER PUMP TANK: 564.7  
 PROP. GRADE OVER PUMP TANK: 565.0  
 INVERT: 562.4

**SEPTIC SYSTEM/BEST AVAILABLE TECHNOLOGY (BAT) NOTES:**  
 1. ANY CHANGE TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.  
 2. THE MAXIMUM DEPTH OF THE BAT PER THE MANUFACTURER'S SPECIFICATION IS 3 FEET.  
 3. THE BLOWER MAY NOT BE LOCATED MORE THAN 10 FEET FROM THE TANK BASED ON THE MANUFACTURER'S SPECIFICATIONS.  
 4. THE BAT SYSTEM SHALL BE MAINTAINED AND OPERATED FOR THE LIFE OF THE SYSTEM.  
 5. THE BAT SHALL BE OPERATED BY AND MAINTAINED BY A CERTIFIED SERVICE PROVIDER.  
 6. WITHIN ONE MONTH OF INSTALLATION, A PERSON INSTALLING THE BAT SYSTEM SHALL REPORT TO THE MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) IN A MANNER ACCEPTABLE TO MDE, THE ADDRESS AND DATE OF COMPLETION OF THE BAT INSTALLATION AND THE TYPE OF BAT INSTALLED.  
 7. ELECTRICAL WORK FOR THE BAT INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.  
 8. AN AGREEMENT AND EASEMENT MUST BE COMPLETED AND SIGNED BY ALL APPLICABLE PARTIES, AND RECORDED IN LAND RECORDS OF HOWARD COUNTY.  
 9. THE HEALTH DEPARTMENT REQUIRES DOCUMENTATION FOR THE START-UP CERTIFICATION FROM THE MANUFACTURER PRIOR TO FINAL APPROVAL OF THE INSTALLATION.  
 10. THE WELL HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.  
 11. 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.

**LOT 27 - INITIAL SYSTEM LATERALS**

| LATERAL | ELEV. | VARIABLE HEAD | PERF. FLOW RATE | # PERF. | PERF. DIAMETER | LATERAL FLOW RATE | PERF. SPACING | LATERAL LENGTH | TRENCH LENGTH | 1/2 PERF. SPACING | DIST FROM MANIFOLD TO 1ST PERF. |
|---------|-------|---------------|-----------------|---------|----------------|-------------------|---------------|----------------|---------------|-------------------|---------------------------------|
| A       | 577.7 | 3.0           | 1.28            | 16      | 1/4"           | 20.48             | 36.00'        | 46.5           | 48            | 1.50'             | 17.5'                           |
| B       | 577.7 | 3.0           | 1.28            | 16      | 1/4"           | 20.48             | 36.00'        | 46.5           | 48            | 1.50'             | 17.5'                           |
| C       | 576.5 | 4.2           | 1.51            | 14      | 1/4"           | 21.1              | 42.00'        | 45.5           | 47            | 1.75'             | 3.75'                           |

**PUMP CHAMBER SPECIFICATIONS**  
 Pump chamber volume (available for storage) = 1500 gallons  
 Pump chamber type (Enter "R" for rectangular or "C" for circular) = R  
 L - Interior tank length/diameter = 153 inches  
 W - Interior tank width/diameter = 83 inches  
 A - Cross-sectional area: For "C", 3.142 X (1/2 L)<sup>2</sup> For "R", L X W = 9639 sq. inches  
 H - Interior tank height (height to inlet unless otherwise approved) = 48 inches  
 V - Actual (usable) tank volume = A X H / 23 (cubic inches per gallon) = 2002.9 gallons  
 pR - Pump riser height = 6 inches

**DOSE INFORMATION VOLUME CALCULATIONS**  
 V1 - Volume in laterals X 5 = 17.5 gallons  
 V2 - Force main and manifold flow back volume = 52.00 gallons  
 Vc - Volume of Force Main, Manifold + 5x laterals = 69.50 gallons  
 Elevation of inside bottom (floor) of pump chamber = 552.2 feet  
 Pump height = 6 inches

**FLOAT SETTINGS**  
 Pump off float setting (set so that pump remains submerged) = 22 inches  
 Pump off float setting (set so that pump remains submerged) = 561.03 feet  
 Distance req'd. b/n on and off floats = (Vc X 2.31 cubic inches per gallon) / A = 5 inches  
 Pump on float setting = off float setting + distance b/n on and off floats = 27 inches  
 High water alarm setting = pump on float setting + 6 inches = 33 inches

**STORAGE/PUMP REQUIREMENTS**  
 Height of storage remaining above high water alarm = H - Ha = 20 inches  
 which equates to 834.5 gallons  
 Height of storage above high water alarm required for ONE DAY'S storage = 21.6 inches  
 Height of storage above high water alarm required for a HALF DAY'S storage = 10.8 inches

**SUMMARY**  
 Pump riser height = 6 inches  
 Pump off float setting = 22 inches  
 Pump on float setting = 27 inches  
 High water alarm setting = 33 inches

**END MANIFOLD SPECIFICATIONS**  
 Pipe Diameter = 3 inches  
 Number of laterals = 3  
 Distance between laterals = 1 foot

**Pipe sizes and diameters**

| Lateral (select diameters from chart) | Pipe number (see chart) | Type of pipe | Nominal size in inches | Actual inside diameter in inches | Volume per 100 feet in gallons | Total length in feet | Pipe volume in gallons (manifold and laterals only) | Pipe volume in gallons (manifold and laterals plus force main back volume only) |
|---------------------------------------|-------------------------|--------------|------------------------|----------------------------------|--------------------------------|----------------------|---|---|
| Force main                            | 1                       | Sch. 40      | 1.5                    | 1.61                             | 10.6                           | 168.5                | 32  | 3.5   |
| Lateral                               | 1                       | Sch. 40      | 3                      | 3.068                            | 38.4                           | 120                  | 47  | 52  |
| Lateral                               | 1                       | Sch. 40      | 3                      | 3.068                            | 38.4                           | 120                  | 47  | 52  |

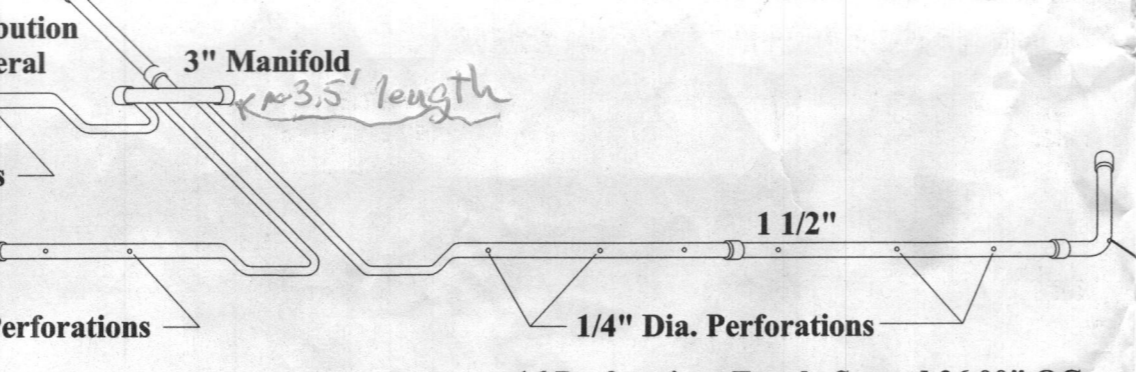
Volume to be removed per pump cycle based on pipe volume = 17.5 gallons  
 Volume of laterals multiplied by 5 = 52 gallons  
 Volume of force main(s) plus manifold which will flow back between pump cycles = 52 gallons  
 Volume of laterals multiplied by 5 plus flow back = 69.5 gallons  
 Minimum Dose (at least 1.6 of design flow) = 159 gallons

**HEAD CALCULATIONS**  
 Relative elevation of manifold = 574.7 feet  
 Relative elevation of pump-off float = 561.03 feet  
 He - Static head = relative elevation of manifold - relative elevation of pump-off float = 14.7 feet  
 Hf - Friction head = due to friction in the pipe between the pump and the laterals = 1.2 feet  
 \*\*Friction head is calculated below  
 Hd - Head required at distal end of laterals = 3.0 feet  
 Htd - Total dynamic head = He + Hf + Hd = lateral friction + operating head = 20.4 feet

**Friction loss**

| Face main | Conductor length | Manifold | Lateral |
|-----------|------------------|----------|---------|
| 3         | 3.068            | 3        | 1.5     |
| Sch. 40   | Sch. 40          | Sch. 40  | Sch. 40 |
| 120       | 37               | 3        | 17      |
| 2.5       | 1.92             | 3.5      | 8.8     |
| 2.5       | 0.7              | 0.0      | 16.9    |
| 2.5       | 0.7              | 0.0      | 2.9     |

Friction loss/100 feet = 0.002082 X 100 X (100)(Hazen-Williams factor)<sup>1.852</sup> X (Q)<sup>1.852</sup> / (D)<sup>4.8655</sup>  
 \*This formula assumes a Hazen-Williams friction factor for PVC pipe of 150



**END FEED MANIFOLD DISTRIBUTION NETWORK**  
 (Modified from EPA Design Manual)  
 N.T.S.  
 EACH LATERAL SHALL HAVE 1/4" DIA. PERFORATIONS

**Goolds Water Technology**  
 Wastewater  
 APPLICATIONS  
 Specifically designed for the following uses:  
 • Homes, Farms, Trailer Courts, Motels, Schools, Hospitals, Industry, Effluent Systems.  
 SPECIFICATIONS  
 Pump  
 • Solids handling capabilities: 1/2" maximum.  
 • Discharge size: 2" NPT.  
 • Capacities: up to 140 GPM.  
 • Total heads: up to 128 feet TDH.  
 • Temperature: 104°F (40°C) continuous, 140°F (60°C) intermittent.  
 • See catalog numbers on reverse side for specific HP, voltage, phase and RPM's available.  
 • Bearings: Upper and lower heavy duty ball bearing construction.  
 • Power Cables: Saver duty rated, oil and water resistant. Epoxy seal on motor end and provides secondary moisture barrier in case of outer jacket damage and to prevent oil leaking. Standard cord is 20'. Optional lengths are available.  
 • O-ring: Assures positive sealing against contaminants and leakage.  
 • Capacitor start motors for maximum starting torque.  
 • Built in overload with automatic reset.

**AGENCY LISTINGS**  
 Available in 78 and 104 and 222 1/2 Standard by Canadian Electrical Association (CEA) Inc.

**METERS FEET**

**DESIGN DATA & GENERAL NOTES**  
 1) Owner: Hoot 600 BNR  
 2) Date: 8/16/20  
 3) Project: 1500 Pump Chamber  
 4) Location: 1500 Pump Chamber  
 5) Reference: 1500 BNR, 1500 BNR

**Mayer Brothers, Inc.**  
**Hoot 600 BNR**  
 1500 Pump Chamber  
 Drawn: BNR 1500 pump No Scale Mar 7, 2014

**TYPICAL PUMP CHAMBER DETAIL**  
 N.T.S.

**NOTE: CONTRACTOR TO CONFIRM ELEVATIONS PRIOR TO PURCHASING PUMP.**  
 151" x 105" 453" x 63" INSIDE DIMENSIONS

**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. 21998 EXPIRATION DATE: 6/6/22

**STATE OF MARYLAND**  
 PROFESSIONAL ENGINEER

**DDC**  
 Development Design Consultants  
 192 East Main Street  
 Westminster, MD 21157  
 410.386.0560  
 410.386.0564 (Fax)  
 DDC@DDCinc.us  
 www.DDCinc.us

**WALKER MEADOWS**  
 A RESUBDIVISION OF LOT 2 OF THE DIEHL PROPERTY (PLAT #637)  
 LOTS 1-34 & BUILDABLE PRESERVATION PARCEL A & NON-BUILDABLE PRESERVATION PARCEL B-K, NON-BUILDABLE BULK PARCELS L-T  
 12221 MAYAPPLE DRIVE  
**LOT 27 SITE PLAN FOR BAT INSTALLATION**

**5TH COUNCIL DISTRICT**  
**3RD ELECTION DISTRICT**  
 HOWARD COUNTY, MD

**REVISIONS**

| NO.           | DESCRIPTION OF CHANGES | DRN.          | REV.    | DATE |
|---------------|------------------------|---------------|---------|------|
| CO. FILE #:   | F-17-045               | DES. BY:      | LJC     |      |
| TAX ACC. #:   | 03-601577              | DRN. BY:      | LJC     |      |
| TAX MAP:      | 9                      | CHK. BY:      | WRD     |      |
| BLOCK / GRID: | 6                      | DATE:         | 8/16/20 |      |
| PARCEL #:     | 66                     | DDC JOB#:     | 12064.3 |      |
| ZONE / USE:   | RR-DEO                 | SHEET NUMBER: |         |      |
| DWG. SCALE:   | 1" = 30'               |               | 1 of 1  |      |

**F-17-045**