

1300143969

Building Address 479 GAITHER ROAD
Sykesville 21784
 Suite/Apt. #: _____ SDP/WP/Petition #: _____
 Census Tract 6030 Subdivision LIGHT PROPERTY
 Section _____ Area _____ Lot 4
 Tax Map 4 Parcel 69 Grid 141
 Zoning RCD10 Map Coordinates 4.96 Lot size _____

Property Owner's Name TERRY SAVARA
 Address 6798 MID CITIES AVE
 City BRITTSVILLE State MD Zip Code 20705
 Home Phone 301-595-9633 Work Phone 410-642-6616
 Applicant's Name & Mailing Address, (if other than stated hereon):
PARAGON CUSTOM HOMES, LLC
P.O. BOX 409
JARRETTSVILLE, MD. 21084
 Phone 410-808-9547 Fax 410-557-4065

Existing Use SFD Vacant
 Proposed Use SFD
 Estimated Construction Cost \$ 195,672
 Description of Work BUILD/CONSTRUCT
SINGLE FAMILY HOME

Contractor Company PARAGON CUSTOM HOMES, LLC
 Contact Person WALTER COLQUITT
 Address PO BOX 409, JARRETTSVILLE, MD. 21084
 City JARRETTSVILLE State MD Zip Code 21084
 License No. 3268
 Phone 410-808-9547 Fax 410-557-4065

Occupant or Tenant _____
 Contact Name _____
 Address _____
 City _____ State _____ Zip Code _____
 Phone _____ Fax _____

Engineer or Architect Company RONALD LEISE
 Contact Person RON
 Address _____
 City _____ State _____ Zip Code _____
 Phone _____ Fax _____

BUILDING DESCRIPTION - COMMERCIAL

BUILDING DESCRIPTION - RESIDENTIAL

Building Characteristics	Utilities
Height: <u>17'-6"</u>	Water Supply: _____ Public _____ Private <input checked="" type="checkbox"/>
No. of stories: <u>1</u>	Sewage Disposal: _____ Public _____ Private <input checked="" type="checkbox"/>
Gross area, sq. ft. per floor: <u>1080</u>	Electric Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Gas Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Use group: _____	Heating System: _____ Electric <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input type="checkbox"/>
Construction type: _____ Reinforced Concrete _____ Structural Steel _____ Masonry _____ Wood Frame <input checked="" type="checkbox"/> State Certified Modular _____	Sprinkler system: <u>N/A</u> <input type="checkbox"/> Full _____ Partial _____ Other Suppression _____ # of Heads _____

Building Characteristics	Utilities
SF Dwelling <input checked="" type="checkbox"/> SF Townhouse <input type="checkbox"/> Depth Width 1st floor: <u>58'</u> <u>36'</u> 2nd floor: _____ Basement: <u>58'</u> <u>36'</u> Finished Basement <input type="checkbox"/> Unfinished Basement <input checked="" type="checkbox"/> Crawlspace <input type="checkbox"/> Slab on Grade <input type="checkbox"/> No. of Bedrooms <u>2</u>	Water Supply: _____ Public _____ Private <input checked="" type="checkbox"/> Sewage Disposal: _____ Public _____ Private <input checked="" type="checkbox"/> Electric Yes <input type="checkbox"/> No <input type="checkbox"/> Gas Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Multi-family dwellings: No. of efficiency units: _____ No. of 1 BR units: _____ No. of 2 BR units: _____ No. of 3 BR units: _____	Heating System: _____ Electric <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input checked="" type="checkbox"/> <u>HYDRONIC</u>
Other Structure: _____ Dimensions: _____ Footings: _____ Roof: _____ State Certified Modular _____ Manufactured Home _____	Sprinkler system: <u>N/A</u> <input checked="" type="checkbox"/> NFPA #13D _____ NFPA #13R _____ Other: _____

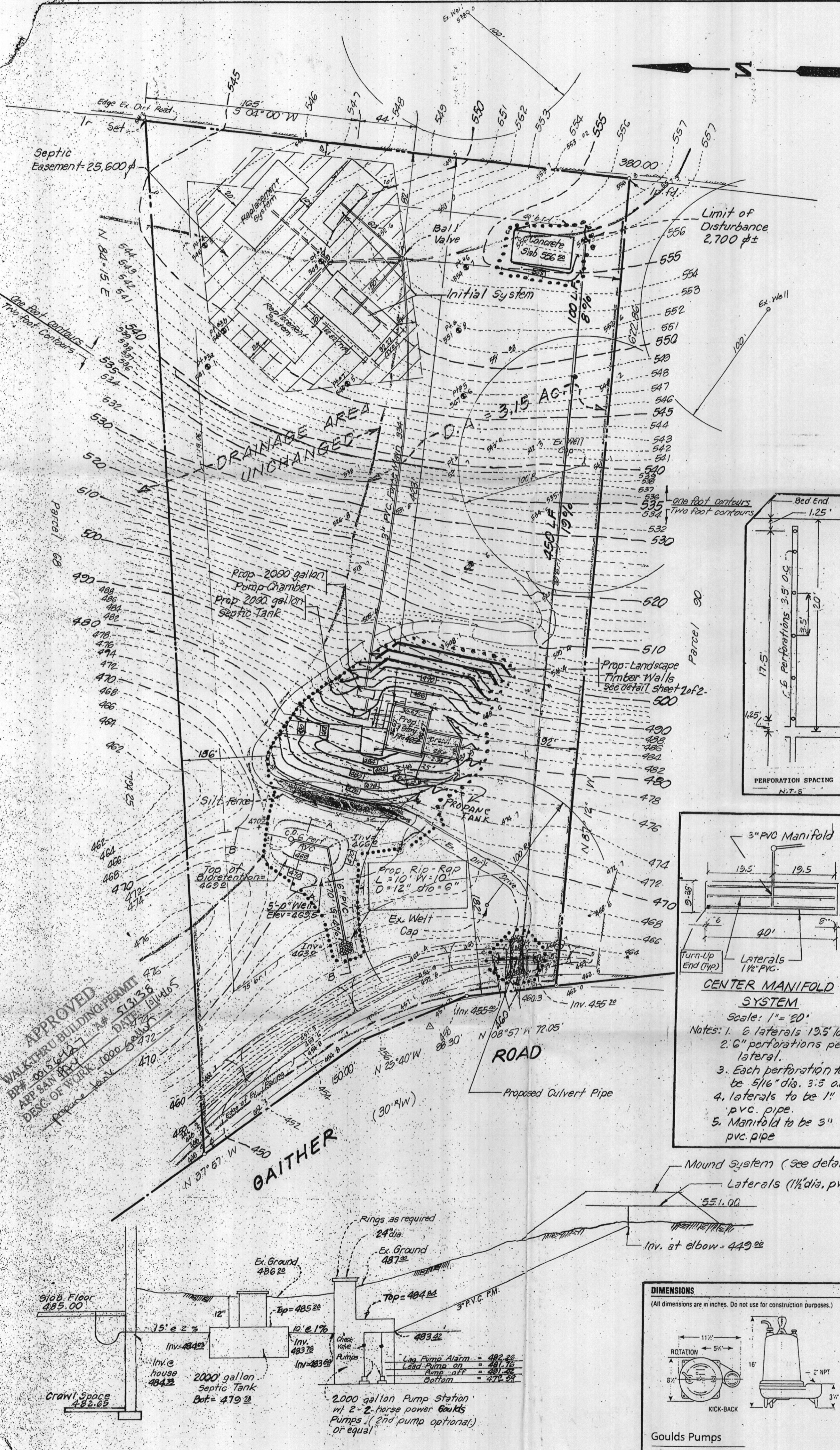
THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSES OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature Walter Colquitt
 Title/Company VICE PRESIDENT MARKETING / PARAGON CUSTOM HOMES, LLC

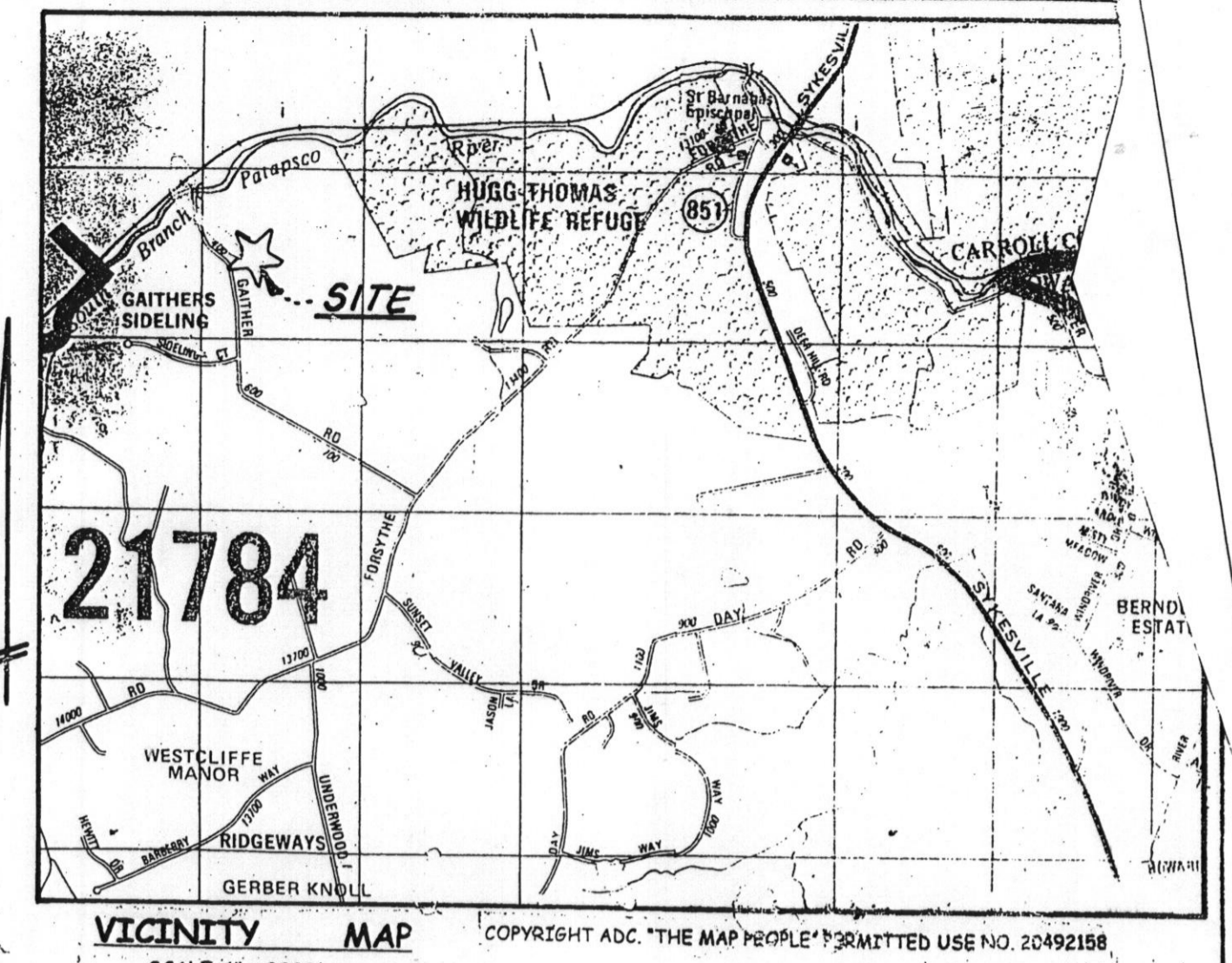
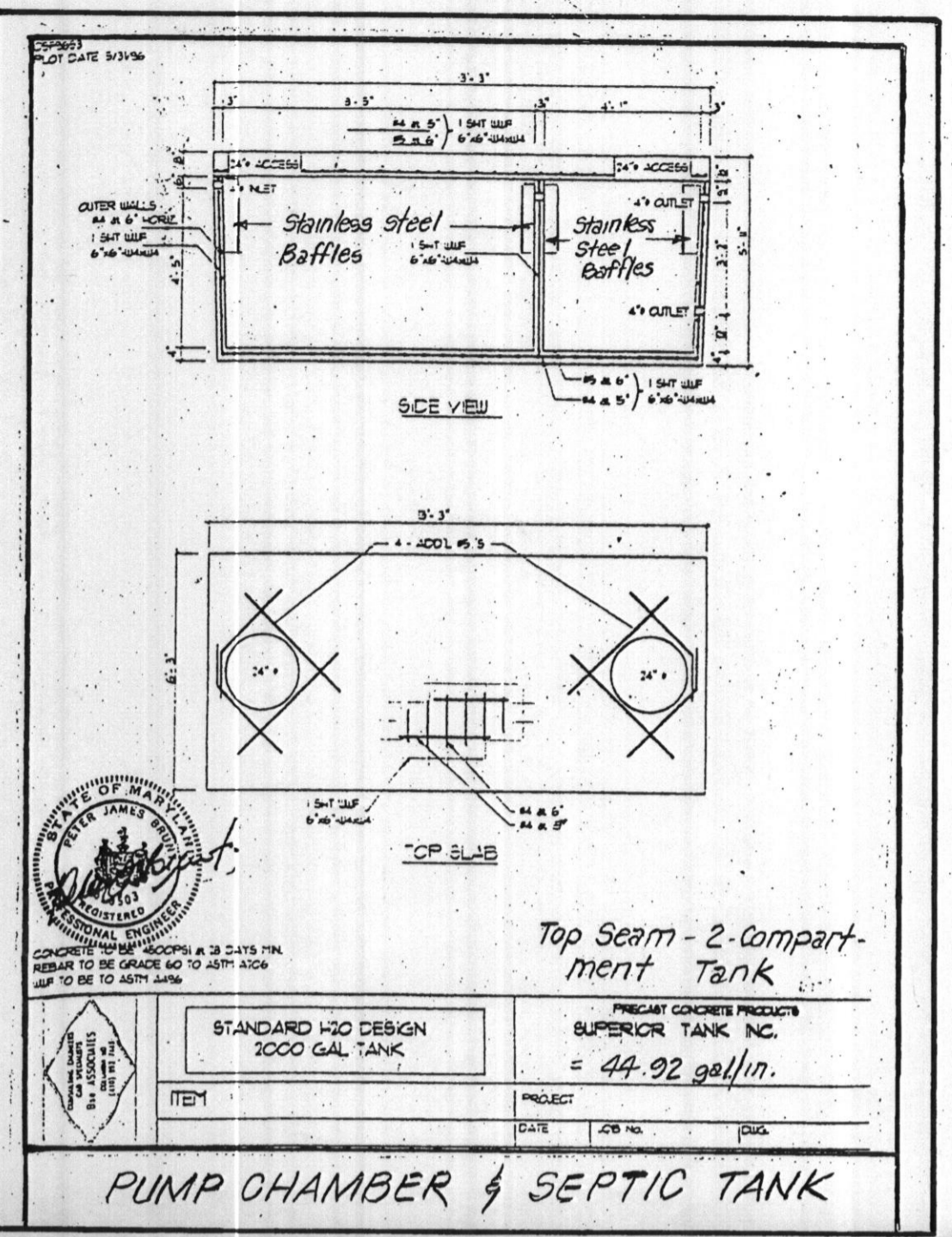
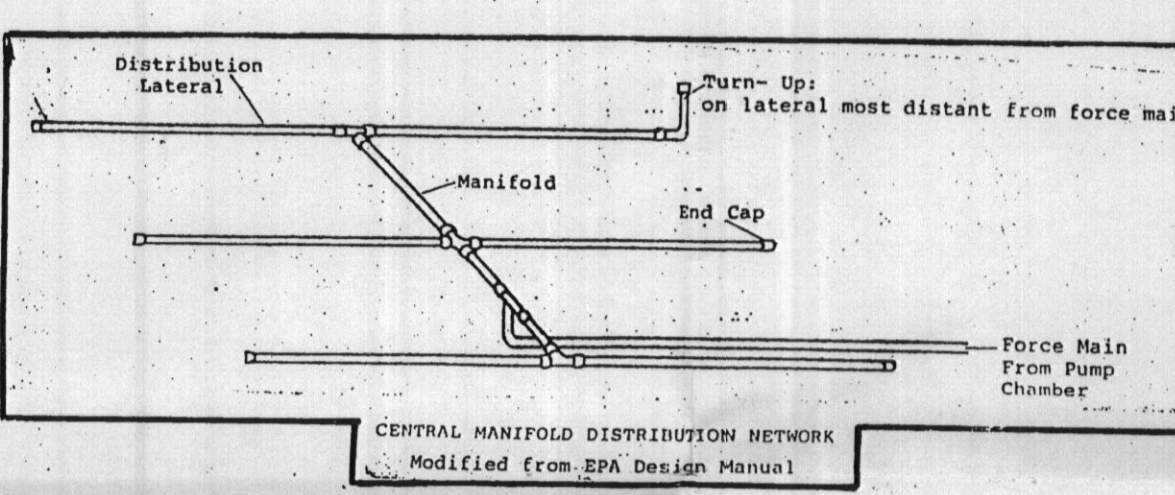
Print Name WALTER COLQUITT
 Date 9/4/03

Checks payable to: **DIRECTOR OF FINANCE OF HOWARD COUNTY**
 ** PLEASE WRITE NEATLY AND LEGIBLY. **

AGENCY	DATE	SIGNATURE APPROVAL	DPZ SETBACK INFORMATION	PROPERTY ID#
Land Development, DPZ			Front: _____	Filing fee \$ _____
State Highways			Rear: _____	Permit fee \$ _____
Building Official			Side: _____	Excise tax \$ _____
Dev. Engineering, DPZ			Side St.: _____	Add'l per. fee \$ _____
Health	<u>3/1/04</u>	<u>[Signature]</u>	All minimum setbacks met? YES <input type="checkbox"/> NO <input type="checkbox"/>	TOTAL FEES \$ _____
Fire Protection			Is Entrance Permit required? YES <input type="checkbox"/> NO <input type="checkbox"/>	Sub-total paid \$ _____
Is Sediment Control approval required prior to issuance? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			Historic District? YES <input type="checkbox"/> NO <input type="checkbox"/>	Balance due \$ _____
CONTINGENCY CONSTRUCTION START <input type="checkbox"/>			Lot Coverage for New Town Zone _____	Check # <u>241</u>
ONE STOP SHOP <input type="checkbox"/>			SDP/Red-line approval date _____	Validation # <u>29906</u>
				Accepted by <u>[Signature]</u>



- SEQUENCE OF CONSTRUCTION FOR SAND MOUND SEWAGE SYSTEM TAKEOUT.**
- I. SITE PREPARATION
 - A. MOUND PERIMETER AND ABSORPTION AREAS
 - B. NO COMPACTION BY HEAVY EQUIPMENT WITHIN MOUND PERIMETER
 - C. DOWNSLOPE FROM MOUND
 - D. WITHIN SEWAGE DISPOSAL AREA, VEGETATION CUT AND REMOVAL
 - E. TREES CUT AT GROUND LEVEL, STUMPS GROUND FLUSH, STUMP REMAINS
 - F. SOIL PLOWED TO A SUITABLE DEPTH AND PERPENDICULAR TO SLOPE
 - G. SOILS MOISTURE LEVEL LOW ENOUGH TO PERMIT CONSTRUCTION
 - H. SOIL CAN NOT BE FROZEN
 - I. LOCATION OF SEPTIC TANK, PUMP STATION TAKEOUT
 - II. SAND FILL AND ABSORPTION AREA
 - A. SAND MUST MEET SPECIFICATIONS
 - B. SAND FILL BROUGHT TO PROPER DEPTH
 - C. SIX (6) INCHES OF SUITABLE GRAVEL BETWEEN SAND AND DISTRIBUTION LATERALS
 - D. INSTALL LATERALS, TURN-UPS, MANIFOLDS, OBSERVATION PORTS AND WELLS
 - E. GRAVEL TO BE PLACED BETWEEN TWO ONE AND TWO INCHES OVER LATERALS
 - F. UPSLOPE AND DOWN SLOPE SAND FILL WILL BE PLACED
 - G. GEOTEXTILE FABRIC WILL BE PLACED OVER THE GEOTEXTILE FABRIC
 - H. A FINE TEXTURED LOAD CAP WILL BE PLACED OVER THE GEOTEXTILE FABRIC
 - I. LOAM CAP WILL BE 12 IN. DEEP IN THE CENTER, TAPERED TO 6 INCHES AT EDGES
 - J. 6 INCHES OF TOP SOIL WILL BE PLACED OVER THE ENTIRE MOUND AND SEEDED



- GENERAL NOTES**
1. AREA OF SITE = 5.17 AC.
 2. PROPERTY ZONED = RCDDEO.
 3. SITE LOCATED ON TM. 4, GRID 14, PARCEL 69.
 4. HOWARD CO. ADC LOCATOR
 5. WATER TO BE PRIVATE, SEWER TO BE PRIVATE.
 6. OWNERS: FRANCIS D. LIGHT TRUSTEE, ELIZABETH LIGHT TRUSTEE, FRANCIS D. LIGHT TRUST, 9209 FRIZARS ROAD, BETHESDA, MD. 20817-2313
 7. CONTRACT PURCHASER: TERRY SAVARD, 6798 MID CITIES AVE., BELTSVILLE, MD. 21784
 8. TOPOGRAPHY OBTAINED FROM HOWARD CO. 200' SHEET AND FIELD VERIFIED BY SURVEYS, INC.
 9. THIS AREA DESIGNATES A PRIVATE SEWAGE RESERVE AREA SUITABLE FOR SAND MOUND TYPE SYSTEMS, ONLY AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THE AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. HIS AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE RESERVE AREAS.
 10. THIS SEPTIC SYSTEM IS DESIGNED FOR (6) SIX BEDROOMS.

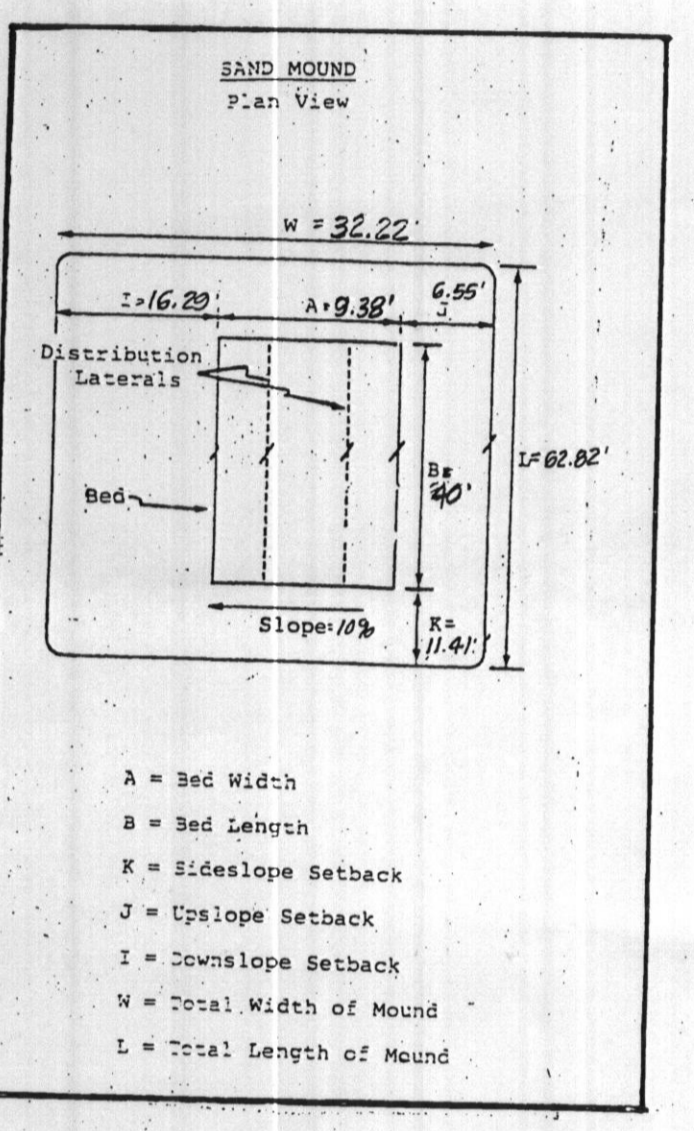
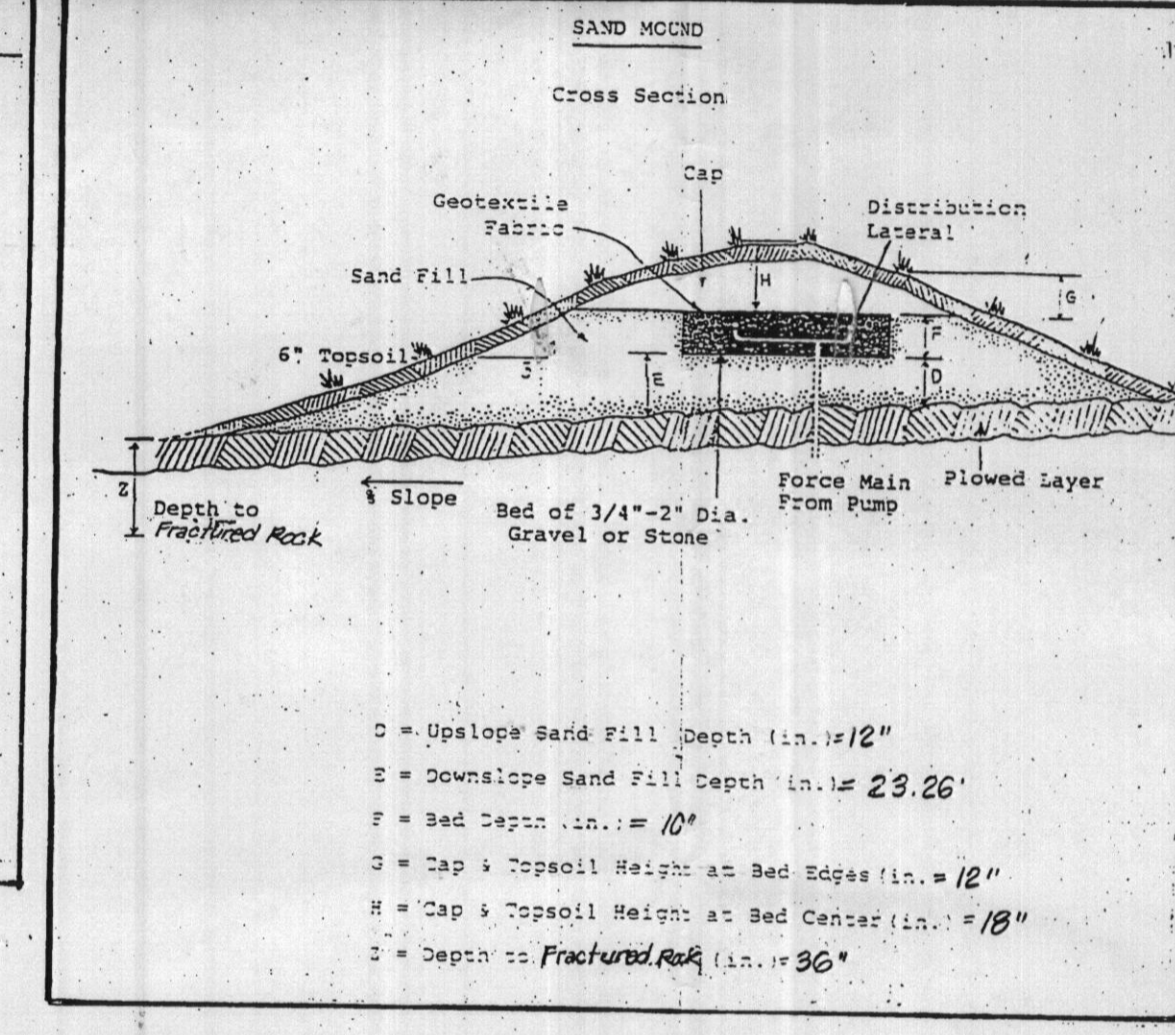


TABLE 3.1

EQUATIONS FOR CALCULATING SAND MOUND DIMENSIONS
(System designed for 6 (Six) Bedrooms)

Absorption bed ft. (A x B) = Design flow = 780 ft.
1.2 gpd/ft.

Bed length (B) = 40 ft. (21 ft. to 101 ft. dependent on site)

Bed width (A) = Bed 750 ft. = 18.75' (15 ft. or less) 2-9.38 x 40' Systems

Upslope sand fill depth (D) = 48 in. = 12' in. (12 in. min.)

Downslope sand fill depth (E) = [12 A x % slope] + D in. = 23.26 in.

Cap + topsoil at bed center (H) = 18 in.

Cap + topsoil at bed edge (G) = 12 in.

Total Bed Depth (F) = 10 in.

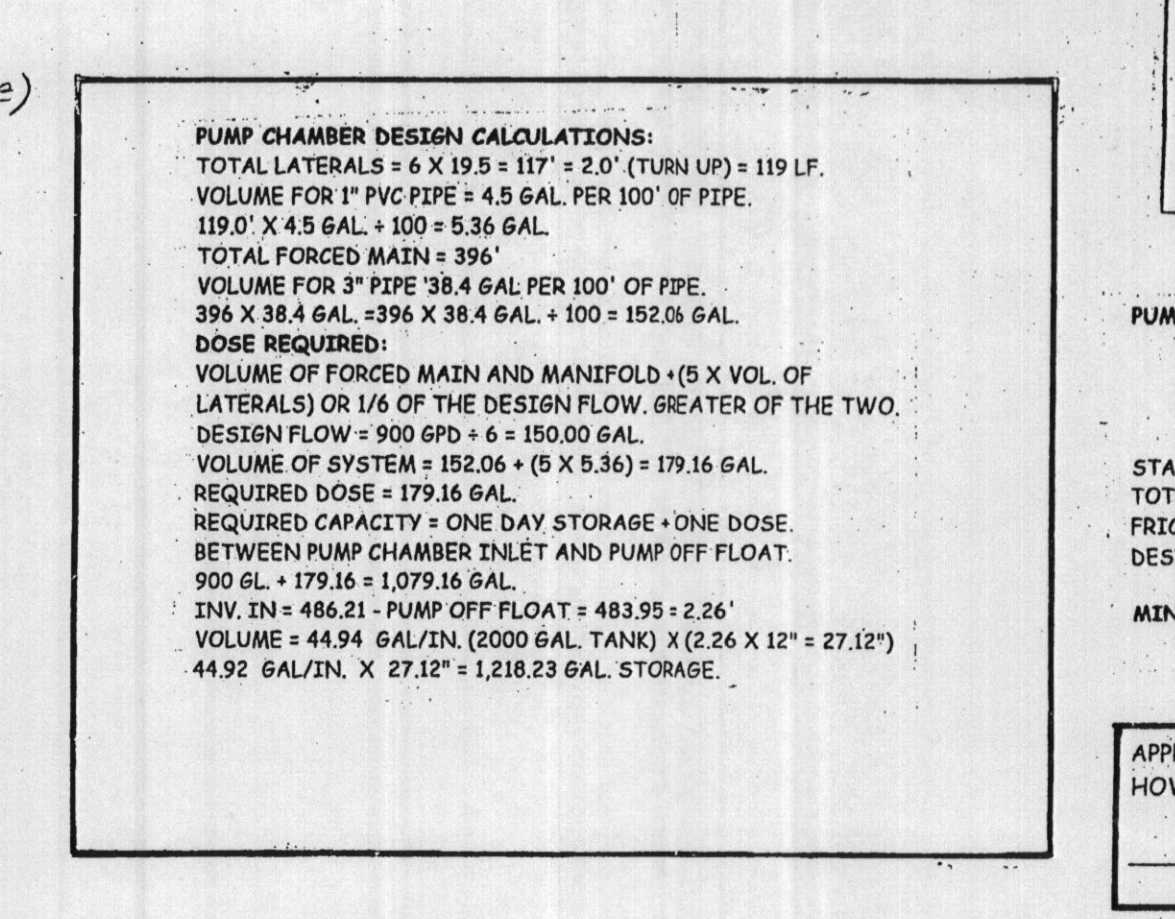
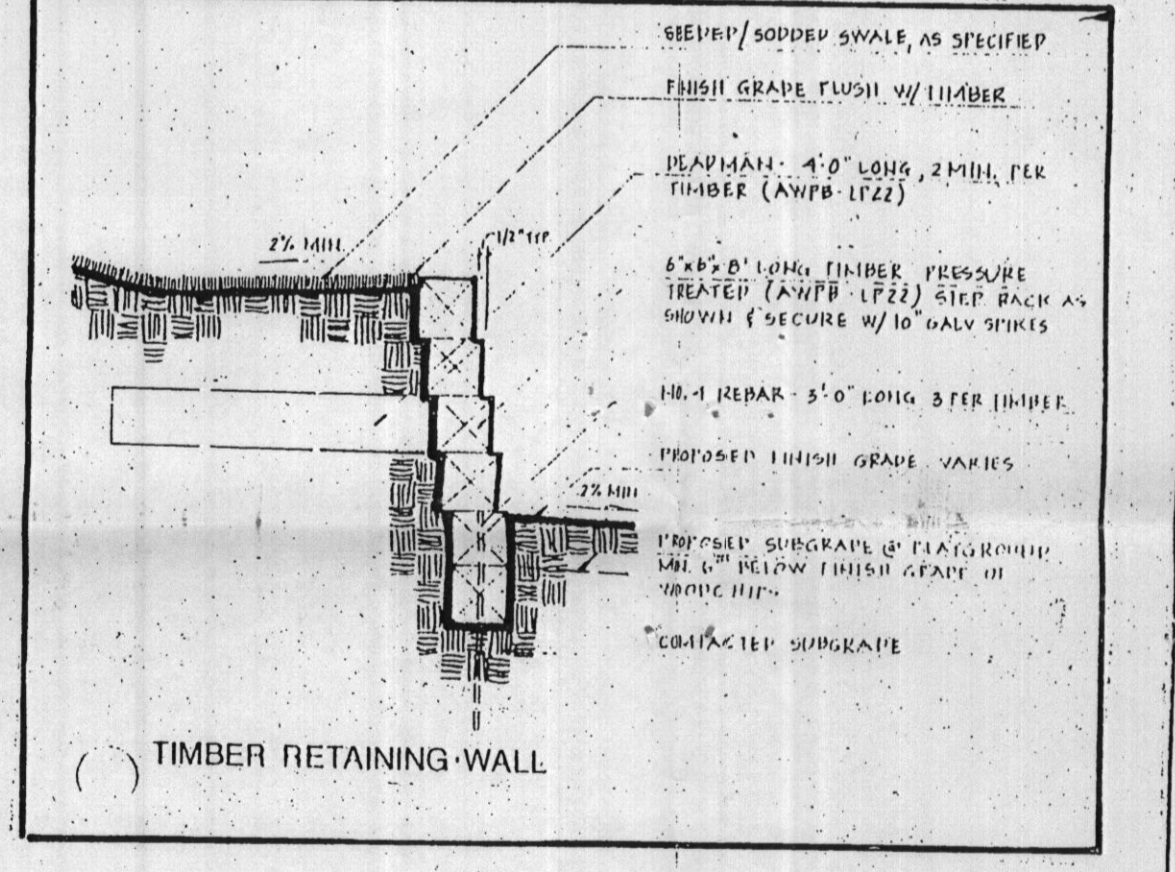
Sideslope setback (K) = [(D + E) + 28 in.] x 3 = 136.89 in. = 11.41'

Upslope setback (J) = [(22 in. - D) x 3 x upslope corr. factor = 78.54 in. = 6.55'

Downslope setback (I) = [(22 in. - E) x 3 x downslope corr. factor = 135.52 in. = 16.29'

Total Width of Mound (W) = 12A - J - I = 386.62 in. = 32.22'

Total Length of Mound (L) = 12B - K - R = 753.78 in. = 62.82'

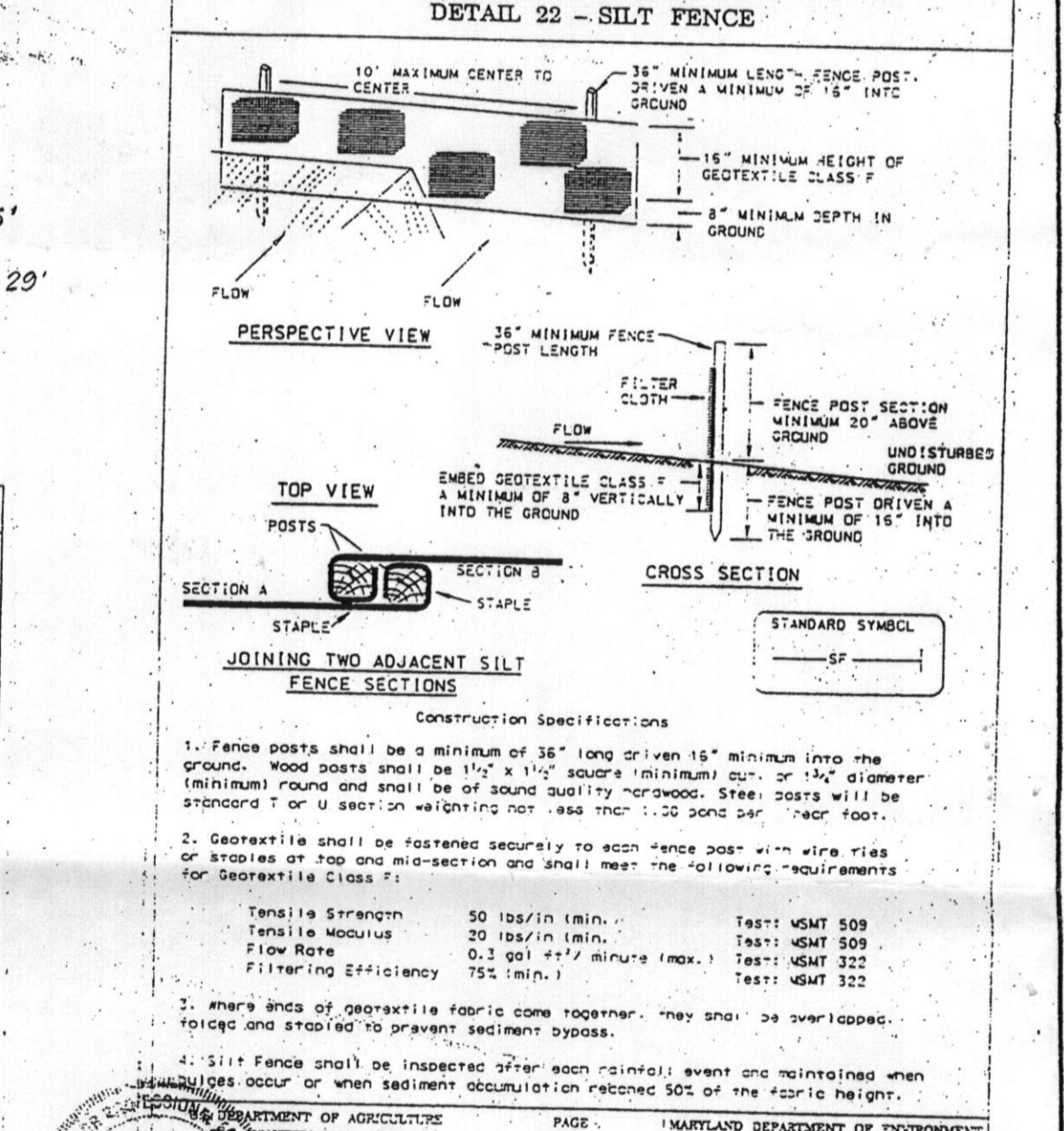
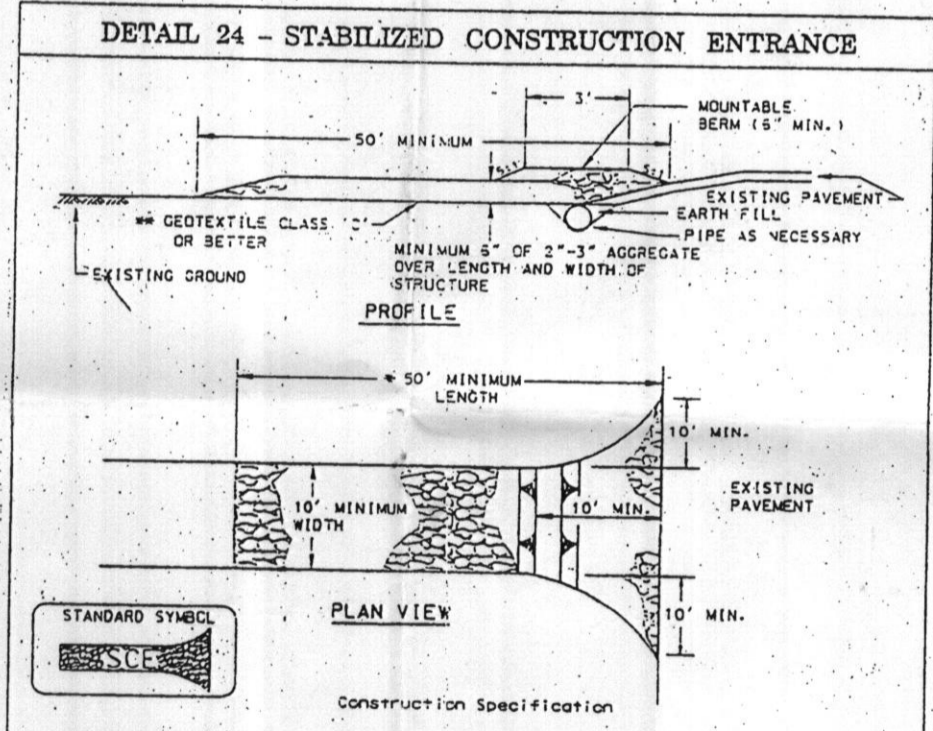


PUMP SPECIFICATIONS

1. GALLONS TO BE PUMPED EACH CYCLE: 179.16
2. DISCHARGE RATE IN GPM: 38.68
3. DISCHARGE VELOCITY IN FPS: 69.05'
4. STATIC HEAD IN FEET: 396'
5. FORCE MAIN LENGTH IN FEET: 396'
6. EQUIVALENT LENGTHS

AGATE VALVES	NUMBER	MULTIPLIER	EQUIV. FT.
A CHECK VALVES	1	20	20
C 90° BENDS	3	10	30
4 45° BENDS	3	10	30
EOTHER SPECIFIC Tee - 90°	1	3	3
TEE - 90°	1	15	15
7 TOTAL EQUIVALENT LENGTH			170
8 TOTAL LENGTH (S+7)			466
9 FRICTION HEAD			4.66' x MULTIFLIER = 9.74
10 TOTAL DYNAMIC HEAD (H+9)			SEE BELOW

11. PUMP SELECTED: MAKE Goulds Pump, MODEL WERD0H, SUPPLIER - SUPERIOR TANKS, INC.



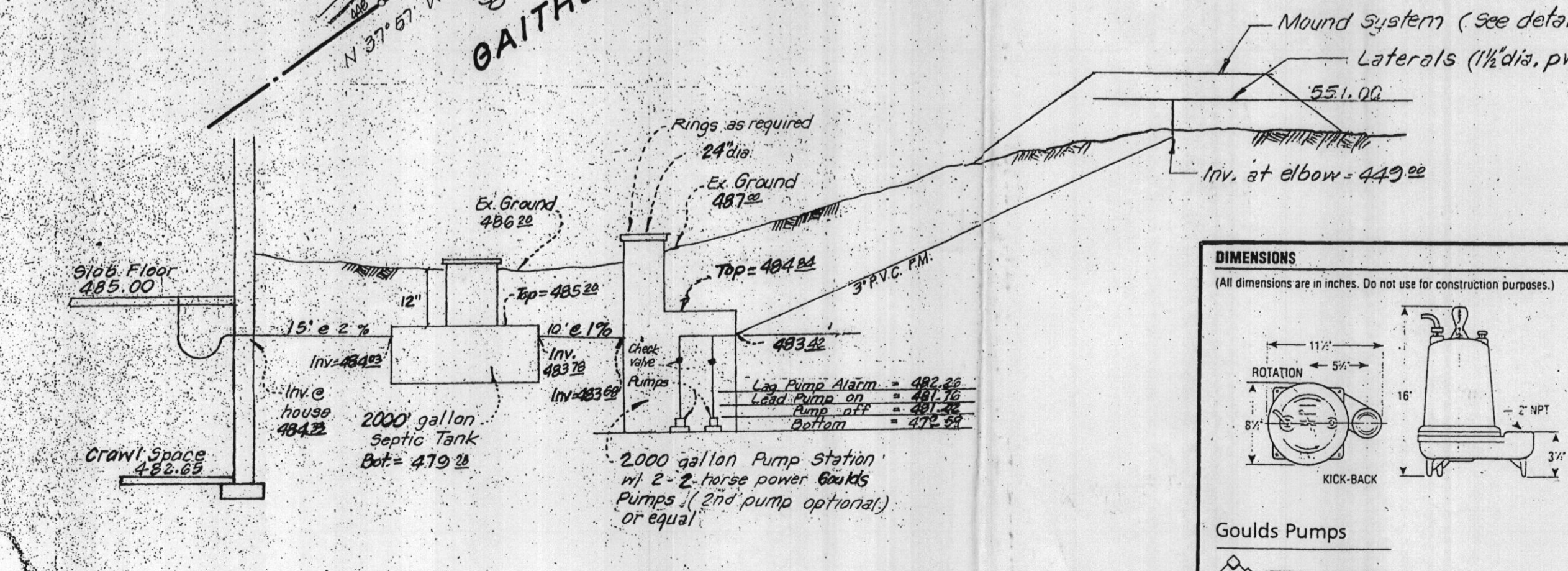
APPROVED

WALKTHRU BUILDING PERMIT

DATE: 05/14/21

APP. BY: [Signature]

DECISION NO. 1000-00000



DIMENSIONS

(All dimensions are in inches. Do not use for construction purposes.)

Goulds Pumps

ITT Industries

PUMP DESIGN CALCULATIONS:

DISCHARGE RATE FOR 5/16" PERFORATION HOLE = 1.63 GPM

6 LATERALS WITH 6 PERFORATION HOLES = 6 X 6 = 36 HOLES.

FLOW = 36 X 1.63 GPM = 58.68 GPM.

STATIC HEAD = 851.00' - 481.42' = 369.58' + 2.0' (TURN UP) = 71.58'

TOTAL EQUIVALENT LENGTH OF 3" PIPE = 466.00'

FRICTION HEAD = 4.66' x 2.09 = 9.74'

DESIGN HEAD = 9.74' + 71.58' = 81.32'

MINIMUM PUMP REQUIRED: PUMP REQUIRED TO DELIVER 58.68 GPM AT 81.32' OF TOTAL DESIGN HEAD.

SURVEYOR'S CERTIFICATION

I, HERBY CERTIFY THAT TO THE BEST OF MY BELIEF AND KNOWLEDGE, THAT THIS PLAN COMPLIES WITH APPLICABLE CODES OF THE HOWARD COUNTY HEALTH DEPARTMENT FOR PUMP AND MOUND SYSTEM DESIGN.

DATE: 3/1/21

REGISTERED PROFESSIONAL LAND SURVEYOR, MD. #10994

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER: DATE

TOTAL AREA DISTURBED 22,150 sq ft

SITE DEVELOPMENT, PERCOLATION CERTIFICATION, SAND MOUND DESIGN, PUMP CHAMBER & SEPTIC SYSTEM PLAN & STORMWATER MANAGEMENT TECH. PLAN

Gaithers Road
Tax Map 4, Grid 14, Parcel 69

SAVARD PROPERTY

3rd Election District
Howard County, Maryland

SURVEYS INC.

1" = 50'

5/00

Rev. 11-9-00

Rev. 8-25-03

46/13

502

00-03

L-088

SHEET 1 of 2