

OR MB 12/9/25

B 1		93777	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type			STATE PERMIT NUMBER 140 - 25 - 0053			
1 2 3 6		590210			70 fill in this form completely 79					
Date Received (APA) 8 MM DD YY 13 01/02/25 OWNER INFORMATION Government County Howard 3430 Court House Dr. Ellicott City Md. 21043					B 3 LOCATION OF WELL Howard 8 COUNTY 21 23 SUBDIVISION SECTION 44 46 LOT 48 50 Highland 52 NEAREST TOWN 71					
DRILLER INFORMATION Stephen Delosh MW D 587 Connelly & Associates, Inc. 1513 Tilco Dr. Frederick, Md. 21704 Alpha Delosh 9-12-2025					B 4 SOURCES OF DRILLING WATER 1. private 2. Driller's own 3. 10/2/25 60' of casing in Hit water around 28' 88 @ 120' 10/2/25 completed 1st borehole.					
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) N/A AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) N/A					12975 Hall Shop Rd. 11 STREET ADDRESS 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST EAST SOUTH 34 1,270 37 DISTANCE FROM ROAD FT ENTER FT OR MI 38 39 TAX MAP: 40 BLK: 16 PARCEL 113					
USE FOR WATER (CIRCLE APPROPRIATE BOX) D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) I INDUSTRIAL, COMMERCIAL, DEWATERING P PUBLIC WATER SUPPLY WELL T TEST, OBSERVATION, MONITORING O OPEN LOOP GEOTHERMAL C CLOSED LOOP GEOTHERMAL					NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard (13) COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S 41 DATE ISSUED 10/6/2025 43 MM DD YY 48 CO SIGNATURE EXP. DATE 10/6/2026					
APPROXIMATE DEPTH OF WELL 400 FEET APPROXIMATE DIAMETER OF WELL 6 INCH					PROPOSED LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL					
METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVERSE-ROTary DRIVE-POINT other					Diagram showing well location on lot with structures like 'Parking Lot' and 'Activity Rooms'. Includes a north arrow and handwritten notes like 'JMH' and 'P/L'.					
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) N THIS WELL WILL NOT REPLACE AN EXISTING WELL Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS D THIS WELL WILL DEEPEAN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 - - - - - 52					Pursuant to § 10-624 of the State Govt. Article of the Maryland Code, personal info requested on this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info may result in this form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or State Law.					
Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROX. PERMIT NUMBER - - - - - G - - - - - PERMIT No. 140 - 25 - 0053										
SPECIAL CONDITIONS Call in drilling notifications										

Cc: Wolf, Kevin <KWolf@howardcountymd.gov>
Subject: 12975 Hall Shop Rd - Well Completion Reports

Hi Steve,

I'm reviewing the well completion reports for the geothermal wells drilled out at 12975 Hall Shop Rd.

For the attached WCR for borehole #1, under 'Well Log'- can you please verify the starting depth of the 'dark brown weathered rock'?

I think it might be a typo; The previous depth of the 'soft soil' says 36", then starting depth of the 'dark brown weathered rock' says 36'.

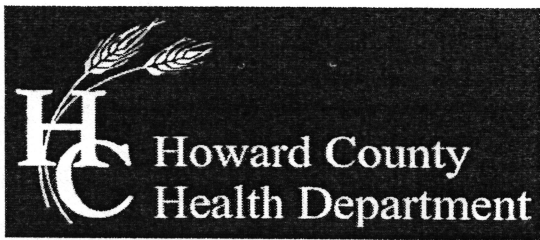
Also- can you please confirm that boreholes 1-3 used 24, 24, and 23 bags of grout respectively?

When I was out there Glenn told me that they used 28, 26, and 26 bags of grout.

Thank you,

Matt Burns, EH Specialist
Well & Septic Program | Howard County Health Department
8930 Stanford Blvd., Columbia, MD 21045
410-313-2643 (Office) | 410-313-2648 (Fax)
www.hchealth.org
mburns@howardcountymd.gov





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

Twitter: HowardCoHealthDep

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

TO ALL INTERESTED PARTIES

When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

Well Site Location:

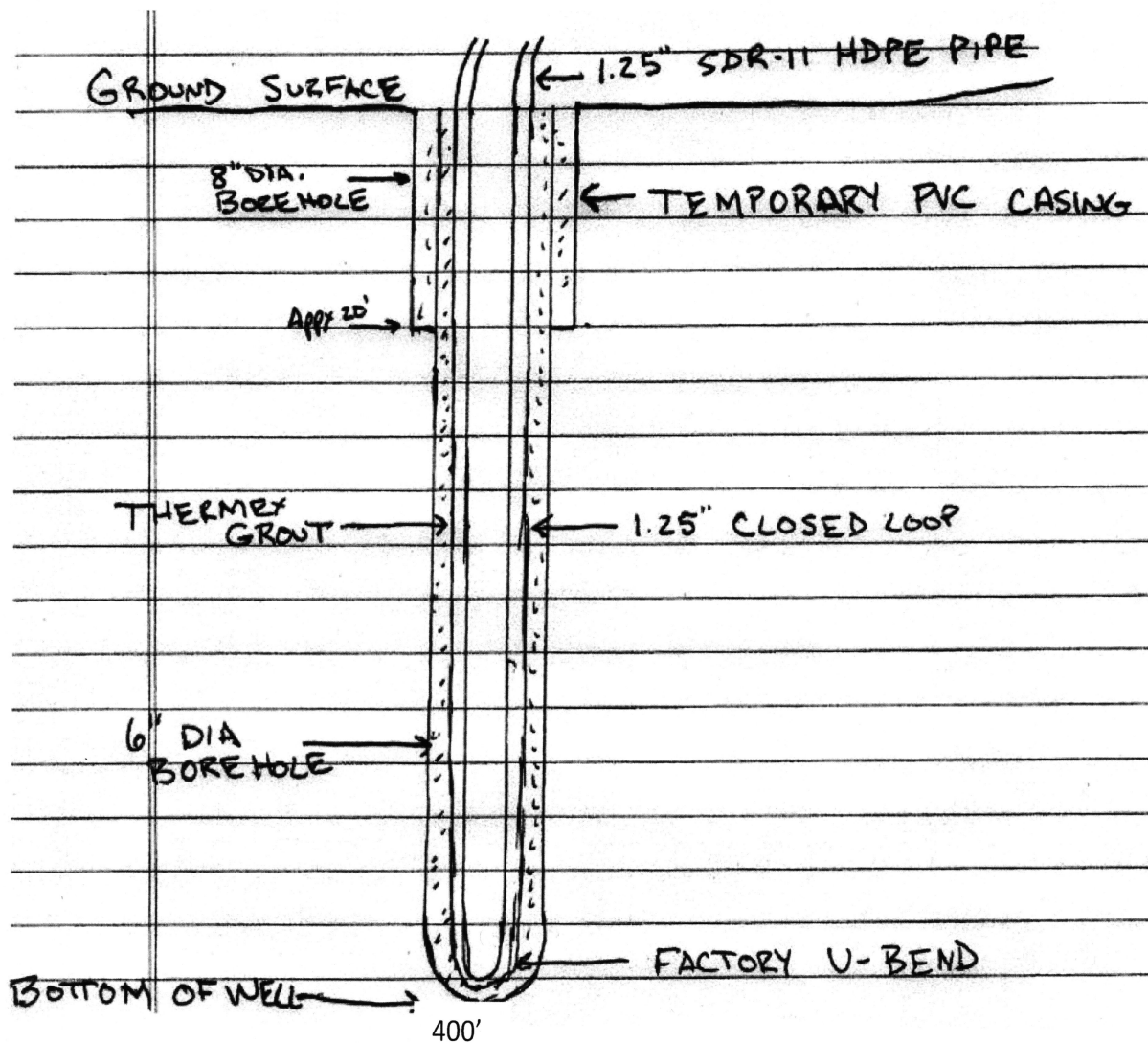
Schooley Mill Park Hall Shop Rd.
Subdivision/Property Name Lot # Road Name

→ The well site has been staked by MAPS Surveying
(professional land surveyor or company employing professional land surveyors)
on 09/26/2025 (date) and does not require a site inspection.

The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.

Schooley Mill Park: 12975 Hall Shop Rd. Highland, Md. 20777 Geothermal Closed Loop



OK

Grout information for this property is as follows:

Well Grout DF grout mixture of 50 lb. grout to 19 gallons water, placed in the well using the tremie method, from bottom to top.

RE: 12975 Hall Shop Rd - Well Completion Reports

From steve@connellyandassociates.com <steve@connellyandassociates.com>

Date Tue 12/9/2025 11:56 AM

To Burns, Matthew <mburns@howardcountymd.gov>

Cc Wolf, Kevin <KWolf@howardcountymd.gov>

WARNING!!!

This email originated from someone outside of Howard County
*****DO NOT CLICK LINKS OR OPEN ATTACHMENTS*****
unless you recognize the sender and know for sure that the content is safe

Hi Matt,

Yes, in reviewing the state well completion report for bore location number 1, that is a typo and should read 36 feet, not 36 inches. I can submit a new completion report if needed. Just let me know if it's ok and you can amend with my authorization. I'm fine either way on how you want to handle it.

On geothermal well bores 1,2 and 3, Glenn's assistant confirmed that he used the number of bags of grout (documented on the comp report) on those three wells. The miss count on Glenn's part was because the grout pallet on the grouting truck was missing some bags from the previous geothermal project and Glenn assumed the pallet had 60 bags, therefore he was subtracting bags from a full pallet and not a partial pallet. Reviewing all 8 reports, they were consistent other than well number's 4 and 7 which used 26 bags each. Let me know if you have any other questions regarding the reports.

Sincerely,

Steve DeLosh

Project Manager

Connely & Associates, Inc.

cell: 240-367-7925

office: [301-696-8820](tel:301-696-8820) Ext. 112



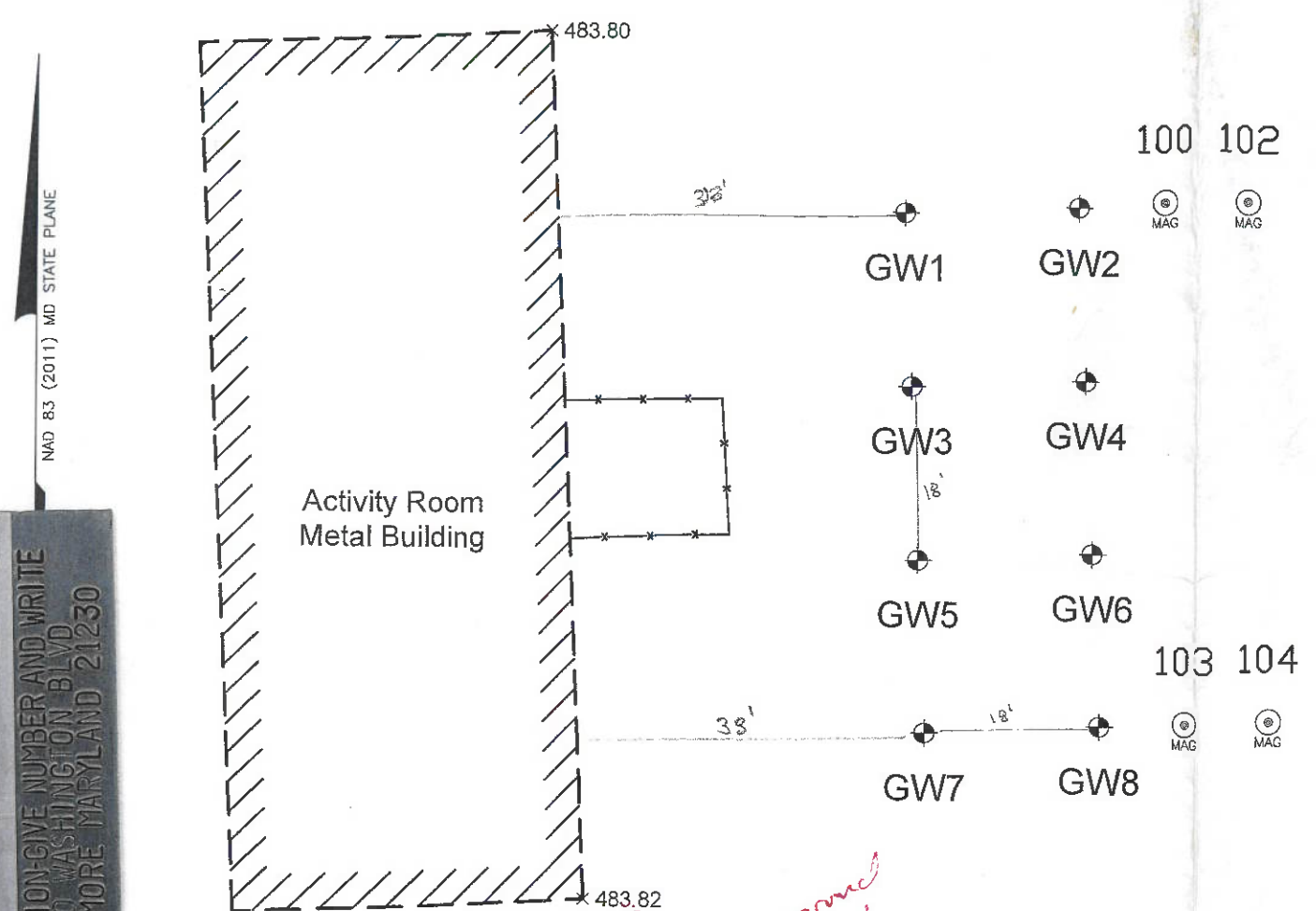
From: Burns, Matthew <mburns@howardcountymd.gov>

Sent: Tuesday, December 9, 2025 10:15 AM

To: Steve DeLosh <steve@connellyandassociates.com>



DO NOT REMOVE THIS TAG
 DEPARTMENT OF THE ENVIRONMENT
 WELL PERMIT NUMBER
 HO-25-0053
 INFORMATION-GIVE NUMBER AND WRITE
 1800 WASHINGTON BLVD
 BALTIMORE MARYLAND 21230

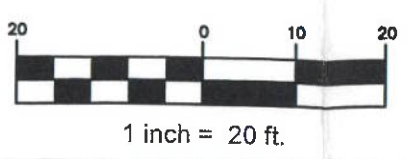
MAPS
 Mohler & Pendleton
 Surveying
<http://www.mapsurv.com>



*10/6/2025
 Well sites approved
 Staked by Maps
 Surveying
 (KMD)*

LEGEND

-  WOODEN STAKED WELL
-  OFFSET MAG NAIL



STAKED WELLS TABLE				
WELL#	NORTHING	EASTING	ELEVATION	DESCRIPTION
GW1	546300.9	1324279.0	484.3	36# WOODEN STAKE
GW2	546301.7	1324298.9	484.4	36# WOODEN STAKE
GW3	546280.9	1324279.9	484.3	36# WOODEN STAKE
GW4	546281.8	1324299.8	484.4	36# WOODEN STAKE
GW5	546260.9	1324280.7	484.4	36# WOODEN STAKE
GW6	546261.8	1324300.7	484.2	36# WOODEN STAKE
GW7	546241.0	1324281.6	484.1	36# WOODEN STAKE
GW8	546241.9	1324301.6	483.9	36# WOODEN STAKE

OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	546302.53	1324308.86	484.56	10' OFFSET MAGHUB
102	546302.69	1324318.92	484.72	20' OFFSET MAGHUB
103	546242.33	1324311.60	483.72	10' OFFSET MAGHUB
104	546242.72	1324321.62	483.60	20' OFFSET MAGHUB

METADATA

HORIZONTAL DATUM:	NAD 83 (2011), EPOCH 2010, MARYLAND STATE PLANE GRID (FIPS 1900 ZONE) (U.S. SURVEY FEET)
VERTICAL DATUM:	NAVD 88 (GEOID 18) U.S. SURVEY FEET



SURVEYOR'S CERTIFICATION

I hereby certify that the plat shown hereon was prepared under my responsible charge in compliance with the requirements set forth in COMAR 09.13.06.12 and depicts a field survey completed on September 25, 2025.

Brian T. Mohler
 Brian T. Mohler
 Prof. L.S. #21925
 EXP.: February 1, 2027
 DATE: 09/27/2025

SHEET 1 of 1

Geothermal Well Stakeout
Schooley Mill Park
HOWARD COUNTY, MARYLAND
FILENAME: Schooley Mill Park Wells.dwg
DATE: 26 September 2025



HOWARD COUNTY HEALTH DEPARTMENT

90210

DATE
9/16/25

WS

CODES

Received From

Connelly & Associates

For

Well Permit App - 12975 Hell Day

00/100

Dollars

one hundred sixty

J. Allen [Signature]

Received By

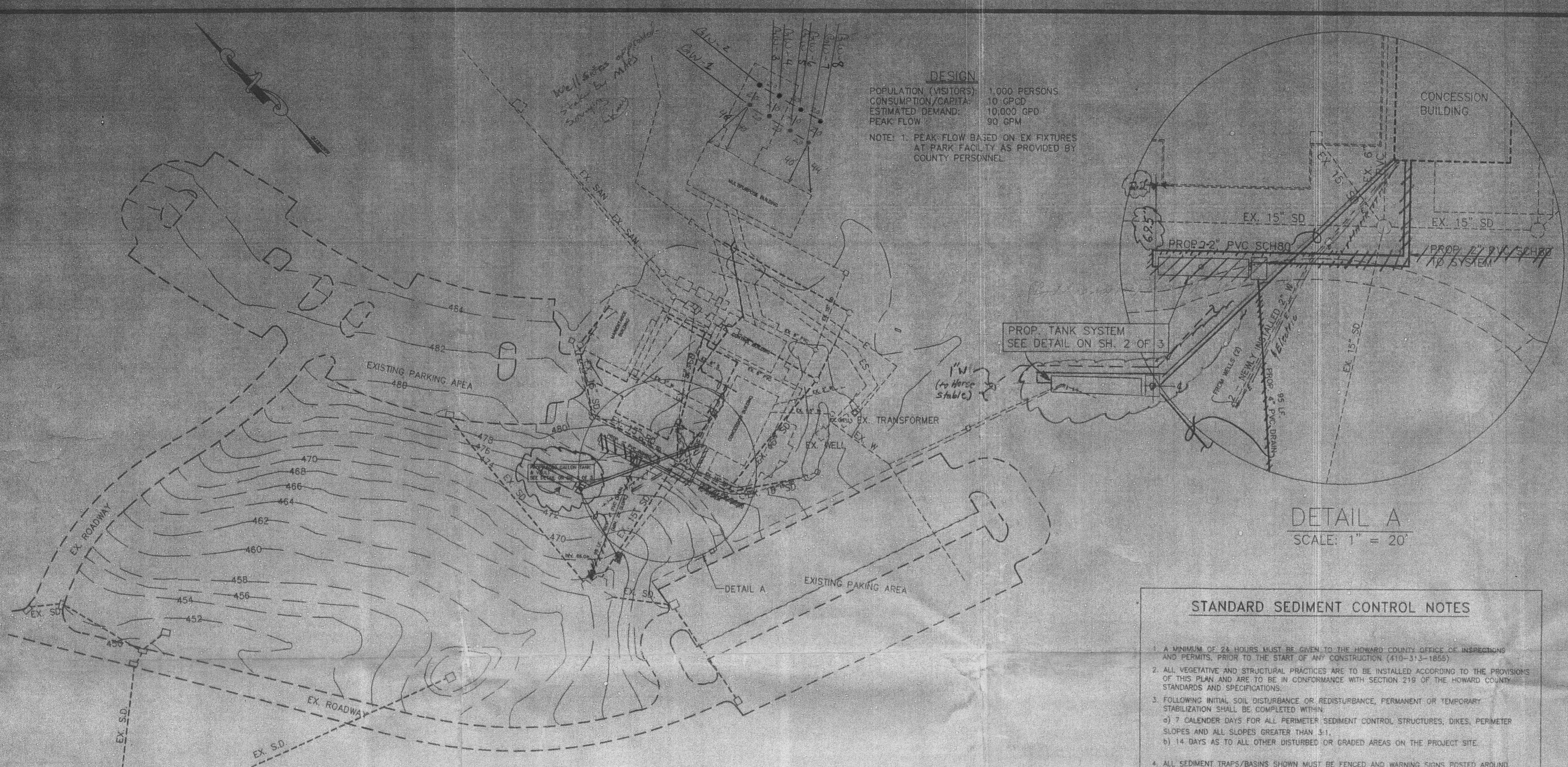
- CASH
- CHECK

NO.

CC

\$

160 | 00



DESIGN
 POPULATION (VISITORS) 1,000 PERSONS
 CONSUMPTION/CAPITA 10 GPD
 ESTIMATED DEMAND 10,000 GPD
 PEAK FLOW 90 GPM
 NOTE: 1. PEAK FLOW BASED ON EX FIXTURES AT PARK FACILITY AS PROVIDED BY COUNTY PERSONNEL.

VICINITY MAP
 SCALE: 1" = 600'

TYPE OF BUILDING: RESIDENTIAL
 NUMBER OF PARCELS: 1
 WATER HOUSE CONNECTIONS: 1
 DRAINAGE AREA: MIDDLE PATUXENT RIVER

WATER CODE FOR COUNTY USE ONLY:
 WATER No:

- SEQUENCE OF CONSTRUCTION**
1. OBTAIN GRADING PERMIT.
 2. LAYOUT ALIGNMENT AT SITE.
 3. INSTALL SEDIMENT CONTROL DEVICE (SILT FENCE) ALONG CONTOURS ON THE DOWN-SLOPE SIDE OF CONSTRUCTION.
 4. EXCAVATE DITCH TO THE GRADE SPECIFIED ON THE PROFILE.
 5. INSTALL WATER MAIN & WATER TANK SYSTEM.
 6. BACKFILL TRENCH AND RESURFACE WITH BITUMINOUS PAVING WHERE NEEDED.
 7. CLEAN UP CONSTRUCTION SITE.
 8. REMOVE SEDIMENT CONTROL DEVICES AFTER PERMISSION IS GRANTED BY THE SEDIMENT CONTROL INSPECTOR.

DETAIL A
 SCALE: 1" = 20'

- STANDARD SEDIMENT CONTROL NOTES**
1. A MINIMUM OF 24 HOURS MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS, PRIOR TO THE START OF ANY CONSTRUCTION (410-313-1855).
 2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH SECTION 219 OF THE HOWARD COUNTY STANDARDS AND SPECIFICATIONS.
 3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
 - a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERMETER SLOPES AND ALL SLOPES GREATER THAN 3:1.
 - b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
 4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. I, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
 5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (Sec. 51), SOIL (Sec. 52), TEMPORARY SEEDING (Sec. 53) AND MULCHING (Sec. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
 6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 7. SITE ANALYSIS:

TOTAL AREA OF SITE	NA	ACRES
AREA DISTURBED	0.30	ACRES
AREA TO BE ROOFED OR PAVED		0.02 ACRES
AREA TO BE VEGETATIVELY STABILIZED		0.01 ACRES
TOTAL CUT	215	CU YDS
TOTAL FILL	215	CU YDS
OFFSITE WASTE/BORROW AREA LOCATION	NA	
 8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF THE DISTURBANCE.
 9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 10. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
 11. TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE (3) PIPE LENGTHS OR THAT WHICH CAN BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.
 12. CONTRACTOR SHALL PLACE EXCAVATED MATERIALS ON UPHILL SIDE OF TRENCH AND PLACE SILT FENCE ON DOWNHILL SIDE OF TRENCH.
 13. REFER TO CONTRACT SPECIFICATIONS (PROJECT MANUAL) FOR SEEDING NOTES.
- NOTE: SEDIMENT CONTROL TO BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE STANDARDS AND SPECIFICATIONS (VOL. IV) OF THE HOWARD COUNTY DESIGN MANUAL AND THIS PLAN.

SCHOOLEY MILL PARK
 SCALE: 1" = 50'

NOTE: EXISTING GROUND IS BASED ON TOPOGRAPHY ON SHEET 2 OF 13 OF SCHOOLEY MILL PARK PHASE II SUPPLIED BY HOWARD COUNTY DPW.

QUANTITIES

ITEM	UNIT	ESTIMATE	AS-BUILT	MATERIAL SUPPLIER
2" PVC SCH80	LF	209		
TANK SYSTEM COMPLETE INCL. TANKS, VALVE, PUMP AND CONTROLS	EA	1	1	Pine Tree/Maple Co.
1" VENT PIPE	LF	10	8	
4" PVC DRAIN	LF	95	50	
RIPRAP STONE	CF	2	2	

NAME OF UTILITY CONTRACTOR: _____

CHECKBOX _____

AS-BUILT DATE: 10/3/96

SURVEY AND LIFTING DIVISION

<p>DEVELOPER'S CERTIFICATION</p> <p>I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.</p> <p><i>Shawyer</i> 3/4/96 BUREAU OF ENGINEERING DEPARTMENT OF PUBLIC WORKS</p>	<p>ENGINEER'S CERTIFICATION</p> <p>I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.</p> <p><i>Robert</i> 3/4/96 SPOTTIS STEVENS & McCOY, INC. 555 FARMOUT AVENUE, STE. 230 TOWSON, MARYLAND, 21286-5487 (410)454-0500 FAX (410)296-3588</p>
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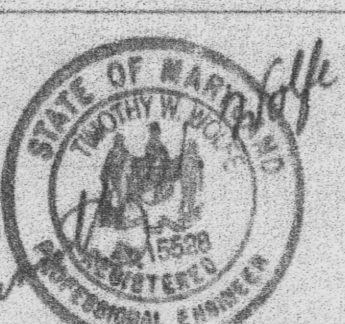
SITE PLAN
 SCALE: 1" = 200'

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

Robert 3/5/96
 CHIEF, BUREAU OF ENGINEERING

Shawyer 3/4/96
 DIRECTOR, RECREATION PARKS

SSM
 SPOTTIS STEVENS & McCOY, INC.
 ENGINEERS & SURVEYORS & SCIENTISTS
 555 FARMOUT AVENUE, STE. 230
 TOWSON, MARYLAND, 21286-5487
 (410)454-0500 FAX (410)296-3588



DES:	FCL		
DRN:	FCL		
CHK:	TWW		
DATE:	MARCH 1996		

WATER SUPPLY IMPROVEMENTS
 PLAN, PROFILE & NOTES
 SCHOOLEY MILL PARK

SCHOOLEY MILL PARK WATER SUPPLY IMPROVEMENTS
 CONTRACT No. _____
 CAPITAL PROJECT No. N-3082A
 ELECTION DISTRICT No. 5
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 1 OF 3
 B0164.DWG