

A/P

Hole #2

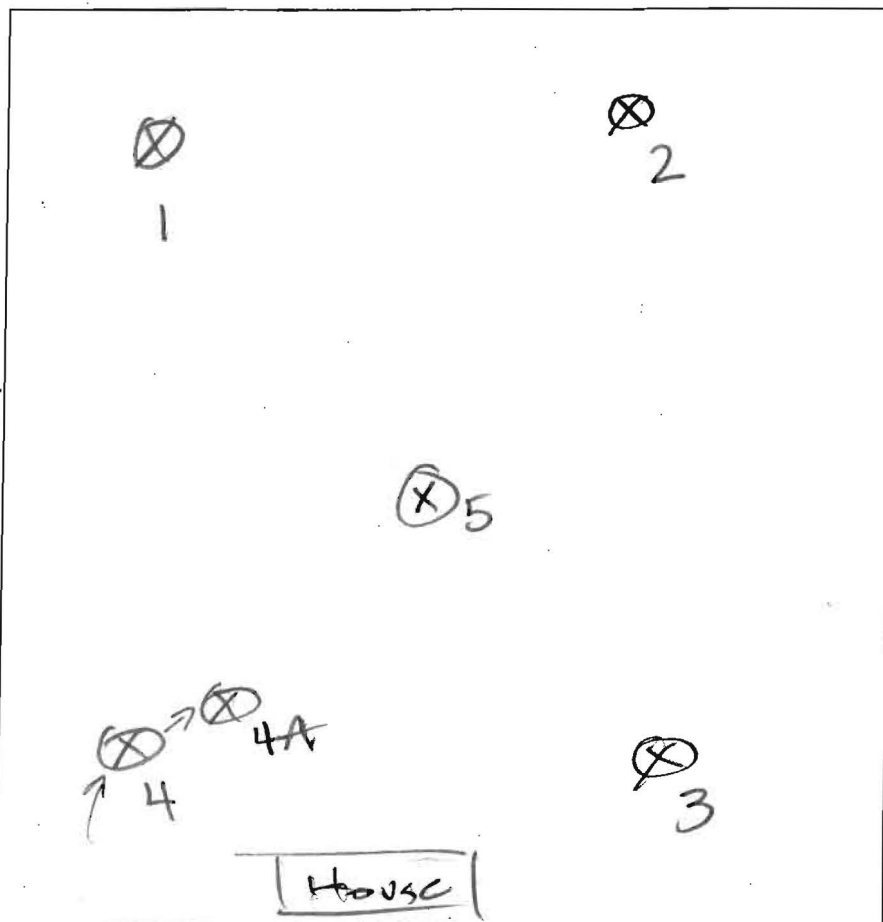
0.9' Brown L
 3' Orange SCL
 7' Orange SL w/ mica
 8' Gravelly vein
 8' Orange SL
 8.5' Dark Br SL
 11.5' water seepage
 13' 13'

Hole #3

0.7' Brown L
 5.5' Orange SCL w/ mica
 7' Yellow Orange SL
 13' Yellow Tan SL w/ mica (dry)

Hole #5

0.8' Brown L
 5.5' Red SCL
 7' Yellow SL w/ mica
 Tan SL (dry)



12698 Rt 216

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
6/10	2	4.5/13	10:16	10:23	10:42	19	P
6/10	3	4.5/13	10:54	10:55	Too slow	-	-
Reshelf	L	6.5/13	12:31	1:00	1:30	30	P
6/10	5	5/13	11:28	12:00	Too slow	-	-
Reshelf	L	6.5/13	1:17	1:21	1:26	5	P
6/10	4A	6/13	12:24	12:28	12:41	13	P
6/10	1	6/13	1:10	1:13	1:15	2	P

Hole #1

0.6' Brown L
 3' Red CL
 5' Red & SCL
 Yellow Tan SL (dry)

Hole #4A

0.7' Brown L
 5' Red SCL
 7' Orange Yellow SL
 13' Yellow Tan SL (Dry)

REMARKS Hit septic PVC line on hole #4, moved hole in 2.8'

SANITARIAN H. Osnold BACKHOE Nichols OTHERS

TEST HOLES USED IN SDA 5 AVG. PERC TIME SQ. FT/BR

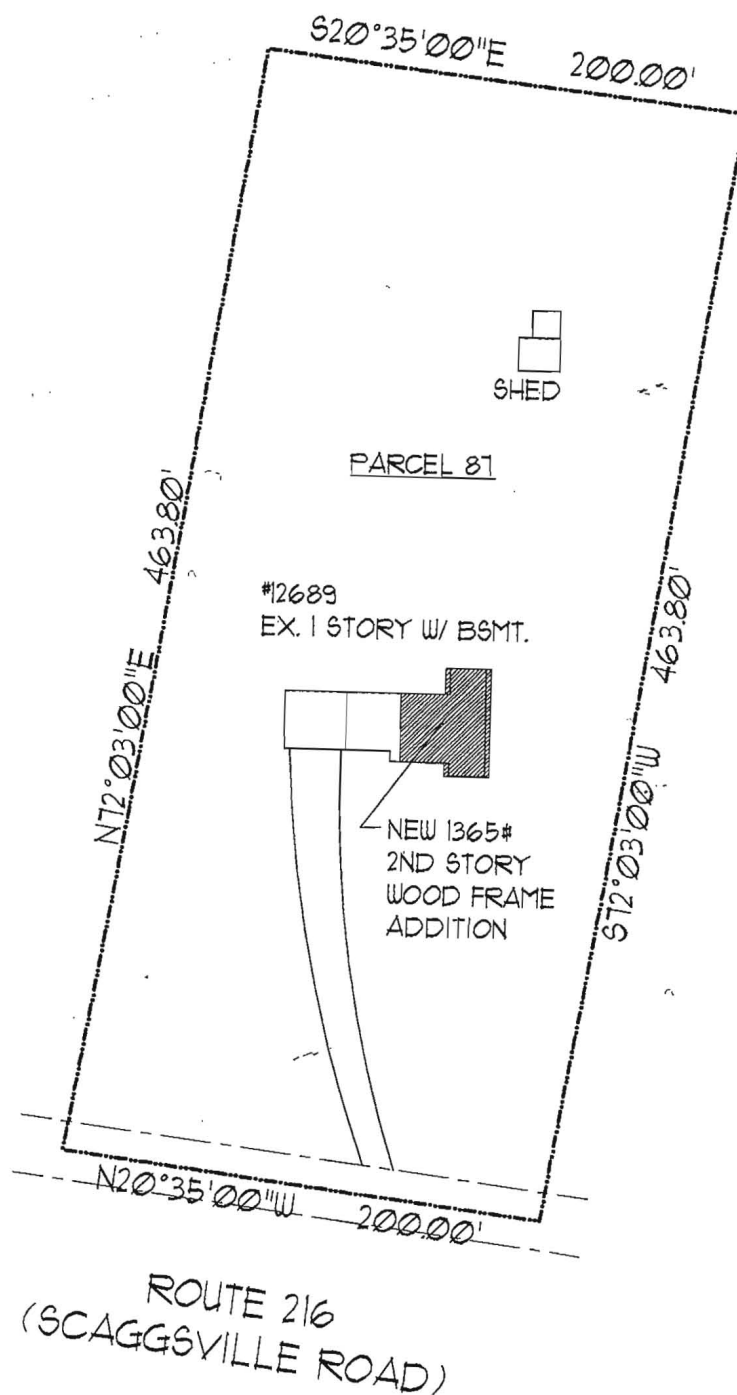
TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE S/W

BUILDING AREA COMPUTATIONS:

TOTAL LOT AREA:	2.12 AC
EX 1st FLOOR AREA:	1816
NEW 2nd FLOOR AREA:	1365
EX GARAGE AREA:	610
EX DRIVEWAY AREA:	2800

TOTAL HOUSE 3181

PARCEL 81
MAP 0040 GRID 0011
12698 ROUTE 216
HOWARD COUNTY



Edge Architecture

SITE PLAN

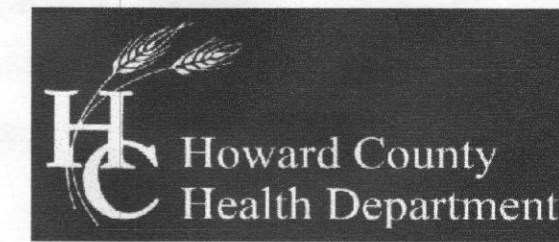
1199 Bayview Vista, Annapolis, MD 21401 (410) 471-7941, Fax 410 891 5427

1" = 80'-0"

04-06-15

PERCOLATION TEST PLAN NOTES:

1. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
2. THE TOPOGRAPHY OF THIS PLAN IS TAKEN FROM HOWARD COUNTY GIS. EXISTING ON-SITE IMPROVEMENTS SHOWN ON THIS PLAN ARE TAKEN FROM A SURVEY BY DULEY & ASSOCIATES, INC. DATED 11-11-2014. EXISTING WELL AND SEPTIC INFORMATION ON-SITE AND ON ADJACENT PROPERTY IS SHOWN BASED ON PLANS OF RECORD.
3. 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.
4. THE PURPOSE OF THIS PLAN IS TO PROVIDE AN ADEQUATE SEWER SYSTEM FOR THE EXISTING HOUSE AND PROPOSED ADDITION. THE PROPOSED SEPTIC AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THE SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTIONS TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
5. ALL NEW TEST HOLES WERE FIELD LOCATED BY THE APPLICANT. LOCATIONS SHOWN ON THIS PLAN ARE PER DIMENSIONS PROVIDED BY APPLICANT.



Bureau of Environmental Health
8830 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/hccohhealth
Twitter: HowardCoHealthDep

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

June 10, 2015

To: Frederick Nichols (Owner); Tyler Nichols (Applicant)

Percolation Test Report; 12698 Scaggsville Road, Highland

Percolation tests were conducted at 12698 Scaggsville Road (Tax Map 15, Parcel 87) on June 10, 2015. Tests and profile descriptions were documented for 5 locations (1, 2, 3, 4A, 5).

Percolation test hole 4 was not tested due a septic line in area. All remaining test holes passed including additional test holes 4A not designated on the test plan.

Since test hole 4A was not part of the original test proposal, it must be field located. Also, please field-locate and include existing septic line on test plan.

All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recording of the time required for the water level to drop 1 inch. Areas that may be included in the septic reserve area are represented by test locations having satisfactory soil condition. The area must be at least 10,000 square feet and large enough to accommodate 3 systems for the planned residence.

The next step in the process is to have an engineer/consultant submit a percolation certification plan to confirm the design of the septic reserve area.

Should you have any questions regarding this evaluation please contact me. I may be reached at (410) 313-1786 or by email hoswald@howardcountymd.gov

Respectfully,

Hank Oswald

Hank Oswald, L.E.H.S.
Bureau of Environmental Health
Well & Septic Program

Attachment: Percolation Field Notes

LEGEND

- — — — — EXISTING SEPTIC TRENCH
- — — — — EXISTING SEWER PIPE
- ⊙ EXISTING WELL
- - - - - EXISTING CONTOUR (2 FT.)
- - - - - EXISTING CONTOUR (10 FT.)
- EXISTING SOIL BOUNDARY
- ⊙ PREVIOUSLY DOCUMENTED TEST HOLE
- ② NEW TEST HOLE
- - - - - PROPOSED SEPTIC AREA
- ⊙ FUTURE WELL LOCATION

APPROVED FOR PRIVATE WATER & PRIVATE SEWERAGE SYSTEMS

Barbara Maura Rossman
HEALTH OFFICER, HOWARD COUNTY HEALTH DEPARTMENT
H.O.

6/30/2015
DATE
mg

OWNER/APPLICANT:
FREDERICK A. NICHOLS
18623 BROOKE ROAD
SANDY SPRING, MD 20860
(301)252-2692

TAX MAP 40

PERCOLATION CERTIFICATION PLAN

PARCEL 87

12698 ROUTE 216

L.16137 F.299

5TH ELECTION DISTRICT - HOWARD COUNTY - MARYLAND



Macris, Hendricks & Glascock, P.A.
Engineers ■ Planners
Landscape Architects ■ Surveyors

Proj. Mgr. PGL	Designer PGL
Date 06/15/15	Scale 1"=30'
Project No. 15.168.11	Sheet 1 of 1

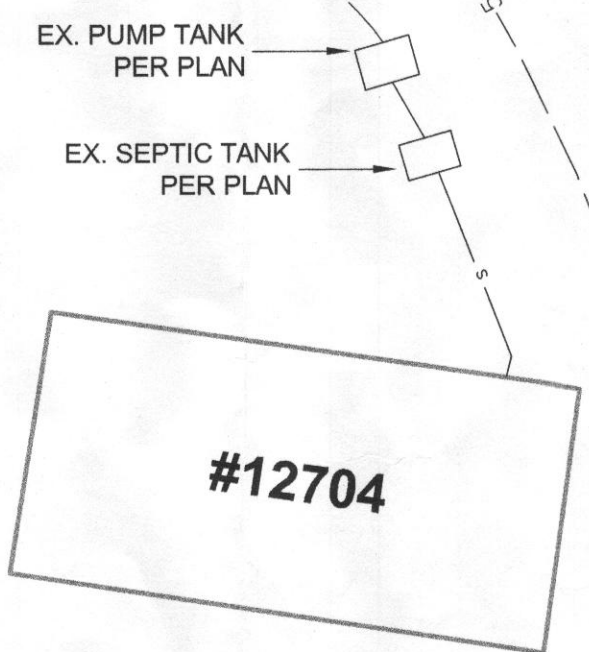
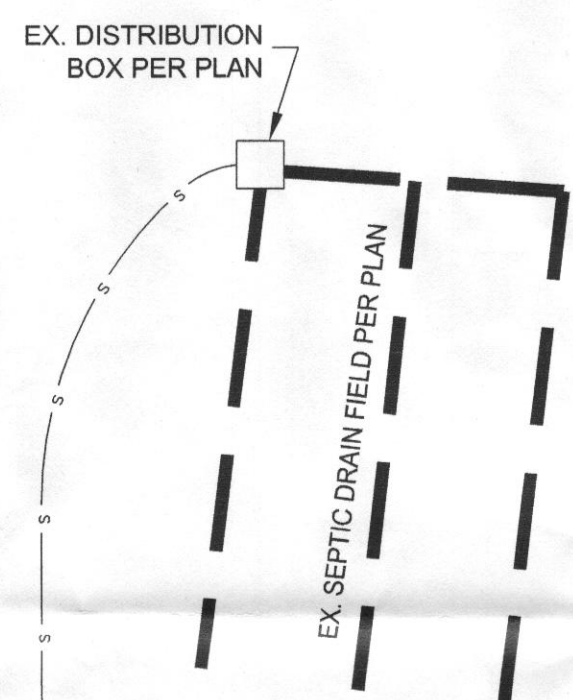
9220 Wightman Road, Suite 120
Montgomery Village, Maryland
20886-1279

Phone 301.670.0840
Fax 301.948.0693
www.mhga.com



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. 16905, Expiration Date: 04/21/2016

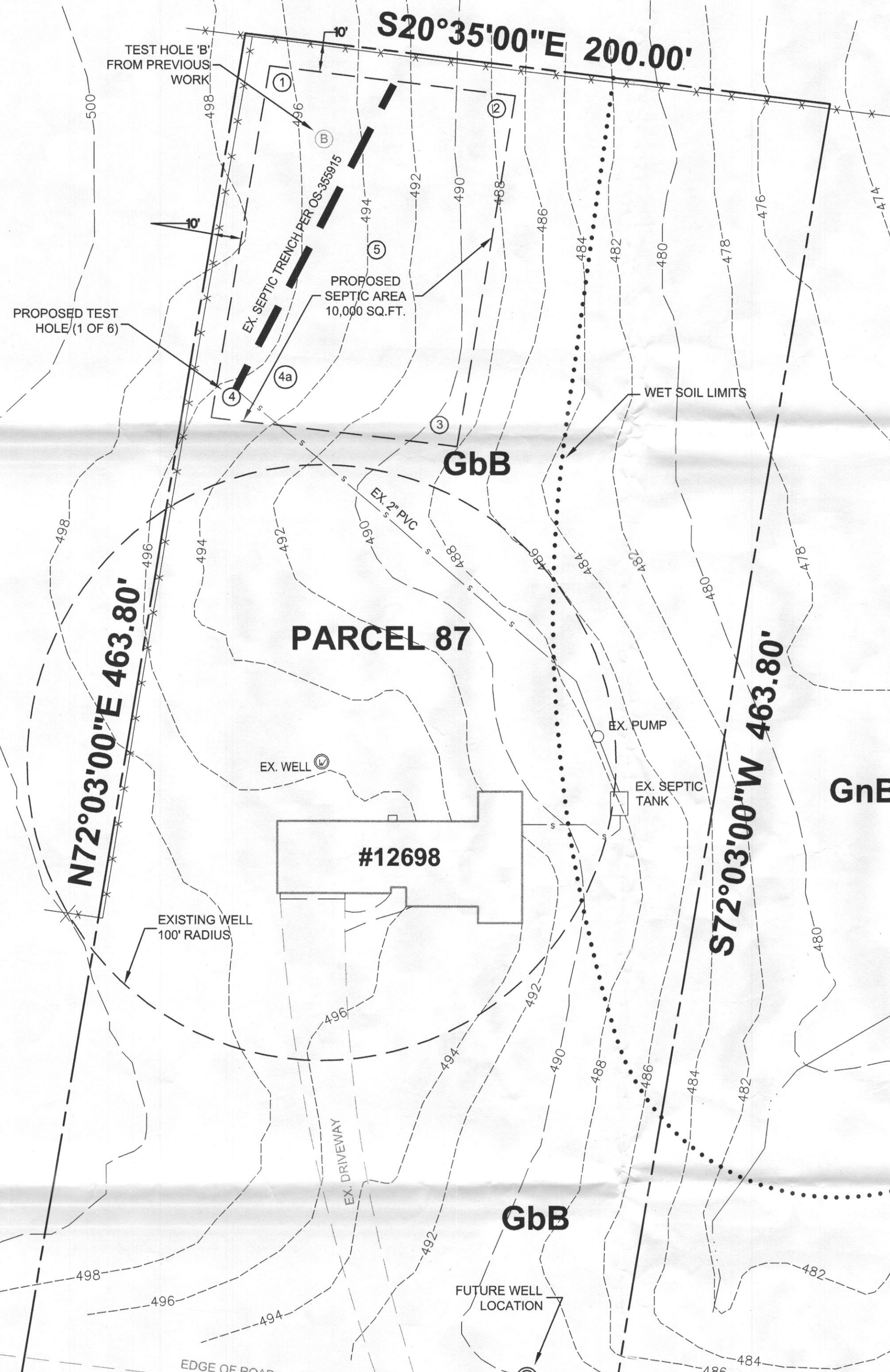
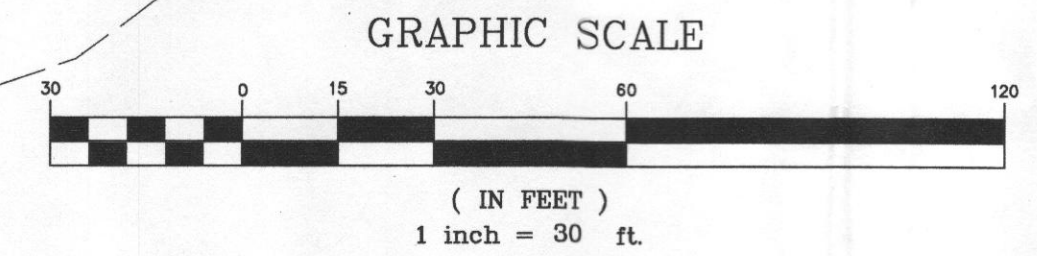
NO.	DATE	DESCRIPTION	BY



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6/10	5	5/13	11:28	12:00	12:00	7	P
6/10	4A	6/13	12:24	12:28	12:41	13	P
6/10	1	6/13	1:10	1:13	1:15	2	P

REMARKS: 11" septic PVC line on hole #4, missed hole in 2.8'.
SANTARIAN, H. Oswald BACKHOE, NICHOLS, OTHERS
TEST HOLES USED IN SDA: 5 AVG. PERC TIME: SQ. FT/IN
TRENCH WIDTH: INLET DEPTH: MAX. BOT DEPTH: EFFECTIVE SW:

ROUTE 216
(SCAGGSVILLE ROAD)

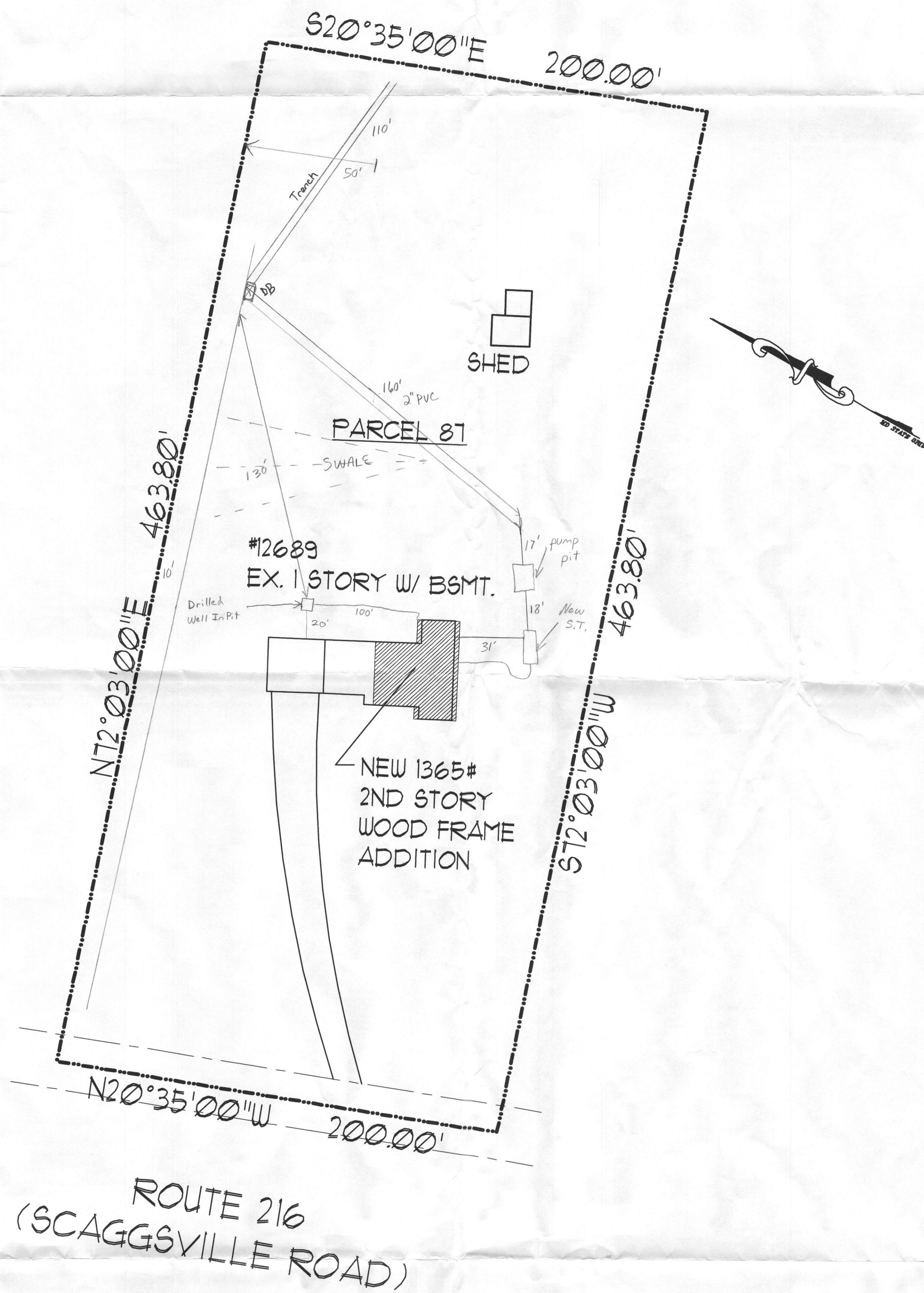


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PARCEL 87
MAP 0040 GRID 6011
12698 ROUTE 216
HOWARD COUNTY



Edge Architecture

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