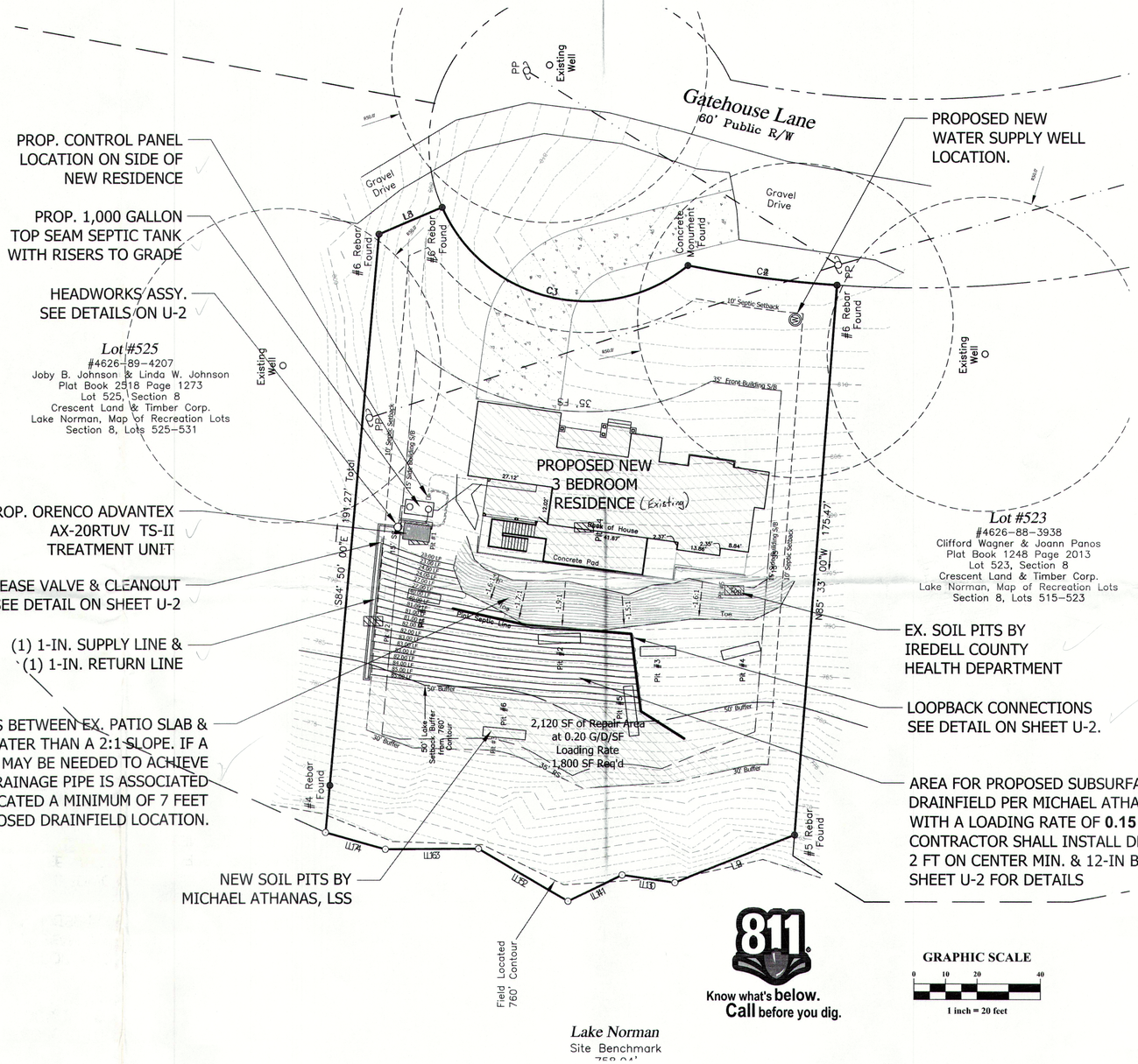
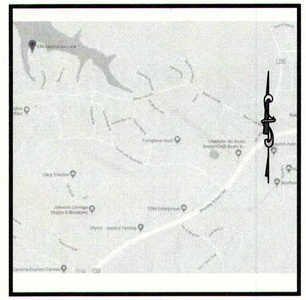




VICINITY MAP
NO SCALE

Land Surveyor:
Piedmont Design Associates, PA
125 East Plaza Drive, Suite 101
Mooresville, NC 28115
(704) 664-7888
Mark Pence, PLS

DESIGN NOTES:	
DESIGN FLOW (TOTAL):	360 G/D
LTAR:	0.15 G/D/SF (GEOFLOW DRIP)
REPAIR LTAR:	0.20 G/D/SF (GEOFLOW DRIP)
SEPTIC TANK SIZE:	1,000 GALLON (BAFFLED)
EFFLUENT FILTER:	OSI MODEL FTPS0436-28-NC
ADVANCED TREATMENT:	ORENCO ADVANTEX AX-20RTUV
RECIRCULATION PUMP:	ORENCO MODEL PF300512
TREATMENT STANDARD:	TS-II
DISINFECTION METHOD:	UV ORENCO UV-125/31-P
FIELD DOSING PUMP:	ORENCO MODEL PF100712
SUBSURFACE DISTRIBUTION:	SUBSURFACE DRIP
NO. OF ZONES:	1
NO. OF LATERALS:	8
LATERAL LENGTH:	VARIES
SUPPLY MAIN SIZE:	(1) 1-INCH SCH 40 PVC
SUPPLY MAIN LENGTH:	100 LF
RETURN MAIN SIZE:	(1) 1-INCH SCH 40 PVC
RETURN MAIN LENGTH:	100 LF
ZONE 1:	620 EMITTERS @ 0.53 G/H = 5.48 G/M
14 RUNS/DAY X 4.69 MIN X 5.48 G/M = 360 G/D	

NOTES:
- SOIL EVALUATION PROVIDED BY MICHAEL ATHANAS, LSS & TOM SHUCK, REHS WITH ICHD
- REFER TO SHEET U-2 FOR SYSTEM DETAILS & ELEVATIONS.
- PRIOR TO ANY CONSTRUCTION, BARRICADE ALL DISPOSAL AREAS FROM CONSTRUCTION TRAFFIC
- CLEAR DRAIN FIELD OF ALL DEBRIS, LIMBS, ETC. LIGHTLY HAND SMOOTH ANY IRREGULAR SURFACES.
- PRIOR TO INSTALLATION OF LATERALS, ENSURE THAT DISPOSAL AREAS ARE CAPABLE OF SHEDDING RAINWATER AND FREE OF ANY LOW AREAS
- SEED & MULCH ALL DISTURBED AREAS.
- MAINTAIN 2' MINIMUM SEPARATION ON ALL DRIP TUBING
- OBSERVE ALL SETBACKS.
- AREA IS AVAILABLE FOR REPAIR USING SUBSURFACE DRIP AND SHALL REMAIN UNDISTURBED
- RE-ROUTE ALL ROOF DRAIN PIPING AROUND DRAINFIELD AND SHALL DISCHARGE AT OR WITHIN 10 FEET OF PROPERTY LINES.

APPROVED MAY 21 2020

NOTE:
WATER TO THE RESIDENCE WILL BE SUPPLIED BY A WELL LOCATED MORE THAN 50 FEET FROM THE SYSTEM COMPONENTS.

- REFER TO SPECIFICATION PACKAGE FOR MATERIALS SELECTION AND INSTALLATION REQUIREMENTS
- REFER TO SHEET U-2 FOR TREATMENT PLAN/PROFILE, INSTALLATION DETAILS & ELEVATIONS

PIEDMONT DESIGN
ENGINEERING / SURVEYING / PLANNING
Associates, P.A.
Suite 101 Westfield Center, 125 East Plaza Drive
Mooresville, North Carolina 28115
Phone:(704) 664-7888 Fax:(704) 664-1778 www.pdapa.com
NCBELS License #: C-1007

PREPARED FOR:
CLIFF WAGNER
PO BOX 3428
MOORESVILLE, NC 28117
(704) 231-5255 | cwagner1@carolina.rr.com

SEPTIC SYSTEM SITE PLAN
3 BEDROOM TS-II LP PPBPS
139 GATEHOUSE LANE
MOORESVILLE, IREDELL COUNTY, NORTH CAROLINA

REVISIONS	BY
A REV. PER COMMENTS BY IREDELL CO. HEALTH DEPT. T. SHUCK (2/19/19)	DMD
B REV. PER NEW HOUSE FOOTPRINT PROVIDED BY CLIENT (4/3/19)	DMD
C REV. PER NEW LAYOUT BY M. ATHANAS, LSS (5/5/20)	DMD

Date: 1/30/2019
Scale: 1"=20 FT
1' CONTOURS
Drawn: DMD
Checked: DLM
Project: 2019-01-07-EC
Job: 2019-01-07-EC
Sheet
U-1
C 5/5/20
of 2 Sheets

PUBLICATION OR REUSE OF THESE DRAWINGS OR ANY DETAILS WITHIN MUST BE WITH THE WRITTEN CONSENT OF PIEDMONT DESIGN ASSOCIATES, P.A.

Location: Owner: Approved: Date of Issue:

I:\Engineering\1-Projects\2019\2019 Misc Septic\2019-01-07_Wagner Drip\dwg\Wagner_Base_3BR_050420.dwg, 5/6/2020 10:31:03 AM, ddecaron