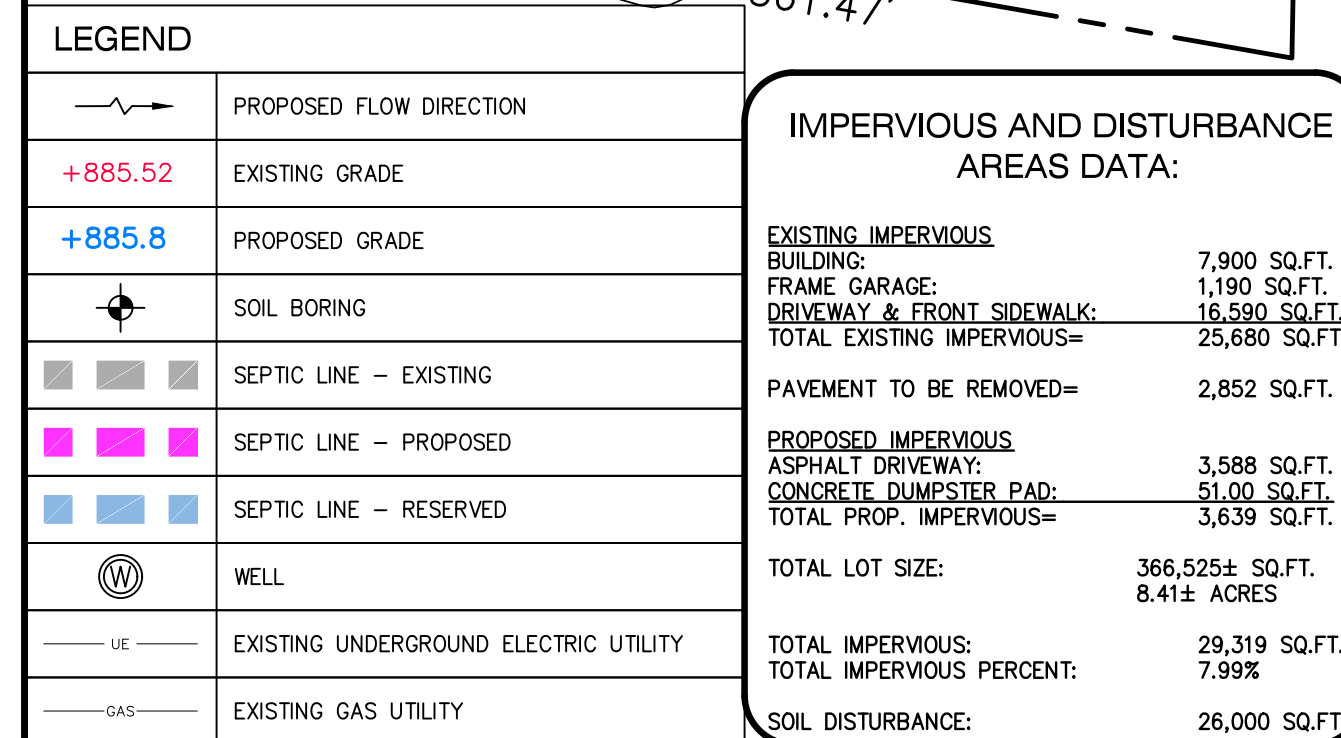




EXISTING SEPTIC FIELD: SIZED FOR 8 BEDROOMS (1600 GPD)/LOWER MOD. SOIL/ 3,840 SQ.FT. OF FIELD REQUIRED

DESIGN UTILIZED 25% FIELD REDUCTION FOR USE OF CHAMBERS (2,880 SQ.FT. REQUIRED)

960' OF TRENCH REQUIRED; 965' OF TRENCH PROVIDED

<u>EXISTING IMPERVIOUS</u>	
BUILDING:	7.900 SQ.FT.
FRAME GARAGE:	1.190 SQ.FT.
DRIVEWAY & FRONT SIDEWALK:	16.580 SQ.FT.
TOTAL EXISTING IMPERVIOUS=	25.680 SQ.FT.
PAVEMENT TO BE REMOVED=	
	2.852 SQ.FT.
<u>PROPOSED IMPERVIOUS</u>	
ASPHALT DRIVEWAY:	3.588 SQ.FT.
CONCRETE DUMPMSTER PAD:	51.00 SQ.FT.
TOTAL PROP. IMPERVIOUS=	3.639 SQ.FT.
TOTAL LOT SIZE:	
	366.5254 SQ.FT.
	8.414 ACRES
TOTAL IMPERVIOUS:	
	29.319 SQ.FT.
TOTAL IMPERVIOUS PERCENT:	7.99%
SOIL DISTURBANCE:	
	26.900 SQ.FT.

CONSTRUCTION NOTES:
 ASPHALT DRIVEWAY CROSS SECTION
 3" HMA SURFACE COURSE, N50
 8" AGGREGATE BASE COURSE, CA-6
 CONCRETE TRASH PAD
 6" PORTLAND CEMENT CONCRETE (PC)
 4" AGGREGATE BASE COURSE, CA-6
 PAVEMENT MARKINGS SHALL BE 4" WHITE
 HANDICAP AREA TO THE CLOSEST DOOR
 SHALL BE UNDER 2% SLOPE TO MEET ADA
 STANDARDS

PROPOSED 35 BED & 4 STAFF FACILITY-- NO VISITORS AT SITE
FACILITY DEMAND (GALLONS PER DAY)
35 BEDS X 150 GPD = 5,250 GPD
1 STAFF X 15 GPD = .20 GPD
0 VISITORS = 0 GPD
TOTAL = 5,310 GPD

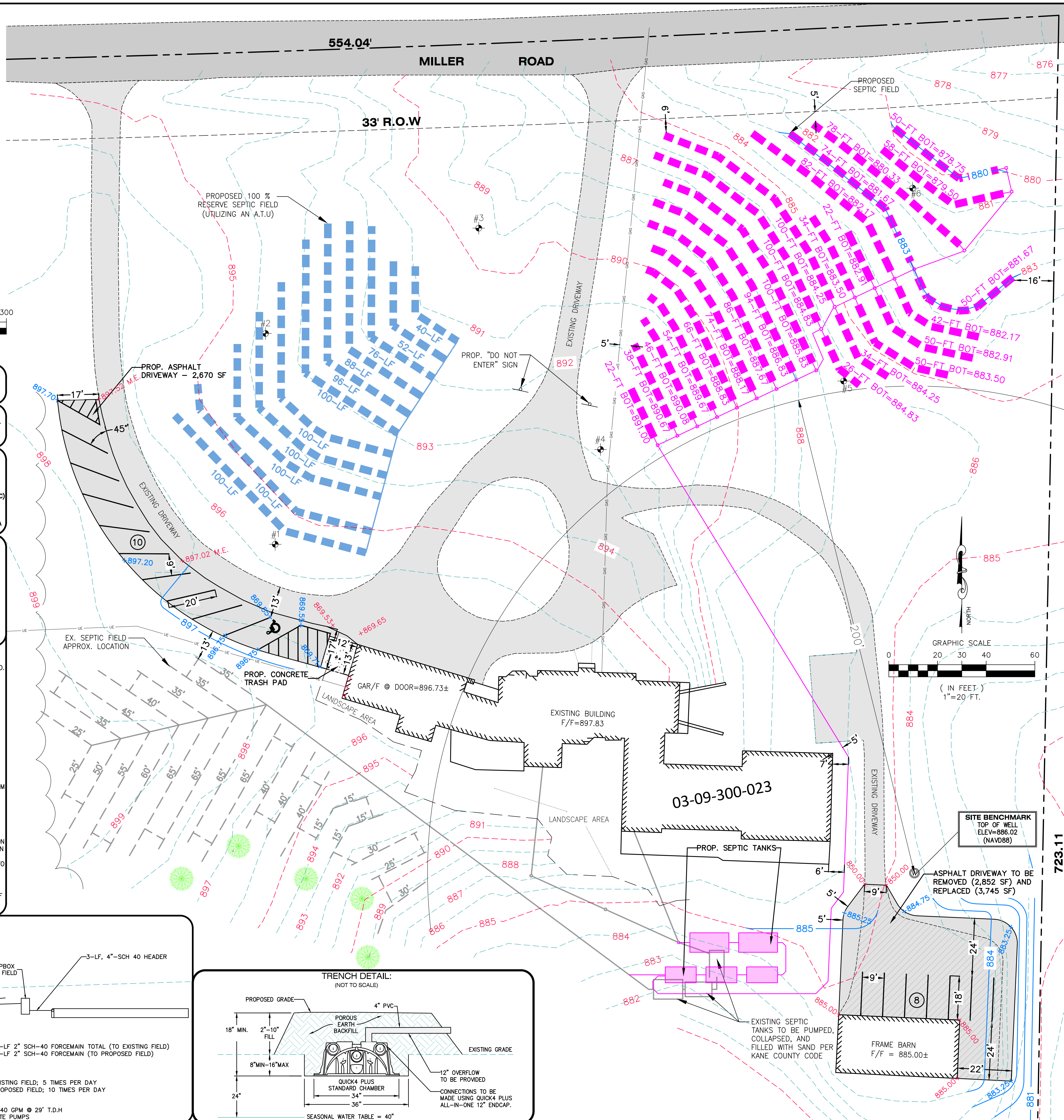
EXISTING FIELD SIZED FOR 1600 GPD

ADDITIONAL FIELD TO BE SIZED FOR 3,710 GPD
LOWER MODERATE SOIL PERMEABILITY 0.52 GPD/ SQ.FT
3,710 GPD / 0.52 GPD/SQ.FT / 5' (DUE TO CHAMBER USE) = 1,427'-11" TRENCH REQUIRED
1,427'-11" TRENCH PROVIDED

RESERVE FIELD TO UTILIZE CLASS A T.U.T.: (951'-15" REQUIRED, 952'-15" PROVIDED)

1. THE SEPTIC SYSTEM INSTALLER SHALL CONTACT THE DESIGNER PRIOR TO ONSET OF CONSTRUCTION TO RESOLVE ANY DISCREPANCIES IF IDENTIFIED.
2. THE AREA IN WHICH THE SEPTIC SYSTEM IS TO BE INSTALLED SHALL BE IDENTIFIED AND SHALL NOT BE CUT, EXCAVATED, FILLED, OR OTHERWISE ALTERED IN ANY WAY EXCEPT AS SPECIFIED IN THE APPROVED PLAN. THE AREA SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC AND ACTIVITIES THAT MIGHT COMPACT THE SOIL.
3. THE PROPOSED SEEPAGE AREA SHALL HAVE A BARRIER OF SUBSTANTIAL QUALITY TO PREVENT TRAFFICKING OR DISTURBANCES OF THE SEEPAGE AREA PRIOR TO RELEASE OF PERMIT, AND UNTIL THE SEEPAGE SYSTEM IS APPROVED AND BACKFILLED.
4. ANY REMOVAL OF TREES GREATER THAN OR EQUAL TO SIX INCHES IN DIAMETER SHALL BE BY CUTTING NEAR THE SURFACE. STUMPS MAY BE REMOVED BY GRINDING OR CUTTING, BUT SHALL NOT BE UPROOTED.
5. CHISEL PLOW SEPTIC FIELD AREA TO 8" DEEP ALONG CONTOUR WHEN TRENCH DEPTH IS LESS THAN 12" INTO EXISTING GRADE.
6. SEPTIC SYSTEM HAS NOT BEEN SIZED TO ACCOMMODATE HOT TUB USE.
7. SEPTIC FIELD HAS BEEN DETERMINED TO BE OUT OF FLOOD HAZARD.
8. SEPTIC TANK MUST HAVE ACCESS RIDES TO GROUND SURFACE.
9. SEPTIC TANK HAS NOT BEEN SIZED TO ACCOMMODATE GARBAGE DISPOSAL.
10. LIFT STATION IF PROVIDED MUST HAVE ACCESS RISER TO EXTEND 6" ABOVE NORMAL GROUND SURFACE. FORCE MAIN TO PITCH BACK TO TANK; PROVIDE 90° ELBOW AT FIRST TRENCH WITH ANTI-SIPHON HOLE DRILLED IN TOP. PIPE FITTINGS SHALL BE LONG SOCKET SOLVENT WELD PRESSURE TYPE; QUICK DISCONNECT TO BE PROVIDED IN DISCHARGE PIPING. CORROSION RESISTANT ROPE OR CABLE TO BE AFFIXED TO PUMP. UTILIZE 1/3 HP EFFLUENT PUMP UNLESS OTHERWISE SPECIFIED; PROVIDE AUDIO VISUAL ALARM; ALARM TO BE SET TO PROVIDE 200 GAL/BEEDROO RESERVE CAPACITY DOSE AS SPECIFIED.
11. SEWER LINES 4" PVC SCH 40 OR CAST IRON. HEADER LINES 4" PVC SCH 40. SEEPAGE TILE 4" PERFORATED ASTM 2729 OR GREATER.
12. ALL SEWER LINES/HEADER LINES SHALL BE BEDDED PRIOR TO BACKFILLING.
13. UTILIZE PLASTIC DRO BOXES/DISTRIBUTION BOXES. 3" SOLID HEADER REQUIRED BETWEEN BOXES AND SEEPAGE TILE. IF SHOWN
14. ALL CONSTRUCTION/MATERIALS SHALL CONFORM TO THE LOCAL PUBLIC HEALTH ORDINANCE.
15. UNLESS SPECIFIED, NO CESSPOOLS, STORMWATER DRYWELLS, OR LEACH PITS WERE IDENTIFIED WITHIN REQUIRED ORDINANCE SETBACKS.
16. UNLESS SPECIFIED, NO UTILITIES WERE NOTED TO BE IN CONFLICT WITH THE PROPOSED SEPTIC SYSTEM DESIGN. THE SEPTIC SYSTEM INSTALLATION SHALL BE PROTECTED AND UNDISTURBED TO CONTACT JLLI.E. PRIOR TO ONSET OF CONSTRUCTION. UTILITIES SERVICES SHALL MAINTAIN A 5 FOOT SEPARATION TO THE SEPTIC AREA.
17. FILL, IF PROPOSED, AS INDICATED WILL NOT NEGATIVELY AFFECT SURFACE WATER RUNOFF FROM/TO NEIGHBORING PROPERTIES. PROPOSED FILL TO BE 6" TOPSOIL, REMAINDER COARSE GRADED SAND OR POROUS EARTH FILL MEETING ORDINANCE REQUIREMENTS.
18. CLEAR WATER FROM FOOTING DRAINS, AIR CONDITIONERS, DE-HUMIDIFIER, DOWN SPOUTS, PERIPHERAL DRAIN TILE, AND ANY OTHER CLEAR WATER SHALL NOT BE DISCHARGED INTO OR ONTO THE SEPTIC FIELD.
19. LOCAL SPOUTS FOR GASELESS PIPE CHAMBERS. 6" SOLID FERROUS IRON BAR OR ROD (A MINIMUM OF 1" INCH DIAMETER AND A MINIMUM OF 10' LONG) SHALL BE INSTALLED AT THE START AND END OF EACH CHAMBER OR GRAVELLESS PIPE, TERMINATING WITHIN 24" OF THE FINISH GRADE.

EX. 4" SCH 40.
 EXISTING BUILDING
 F/F=897.83
 INV.= 886.01
 EX. SANITARY CLEANOUT POINT
 INV.= 880.53
 PROP. 5-LF 4" SCH 40.
 EXISTING SEPTIC TANKS
 INV.= 880.2
 PROP. 4000 GALLON SEPTIC TANK
 INV.= 880.0
 PROP. 4000 GALLON SEPTIC TANK
 INV.= 879.9
 ACCESS RISER TO GRADE
 LID 6" ABOVE GRADE
 2500 GALLON SEPTIC TANK
 INV.= 879.7
 2500 GALLON SEPTIC TANK
 INV.= 879.6
 2500 GALLON SEPTIC TANK
 INV.= 879.6
 BOTTOM=874.35
 PROP. 15-LF 2" FORCEMAIN; CONNECT TO EX. FORCEMAIN
 PROP. DROPBOX FOR PROP. FIELD
 3-LF, 4"-SCH 40 HEADER
 PROVIDE 1/4" WEEP HOLE ABOVE CHECK VALVE
 PUMP #1 ELEV.=875.00
 PUMP #2 ELEV.=875.00
 CONNECTED AT THE BOTTOM & TOP
 200-LF 2" SCH-40 FORCEMAIN TOTAL (TO EXISTING FIELD)
 330-LF 2" SCH-40 FORCEMAIN (TO PROPOSED FIELD)
 PROVIDE (CERTIFIED NSF/ANSI 46) EFFLUENT FILTER IN OUTLET BAFFLE
 PUMP #1: DOSE 353 GAL. (320 GAL + 33 GAL. DRAINBACK) TO EXISTING FIELD; 5 TIMES PER DAY
 PUMP #2: DOSE 425 GAL. (371 GAL + 54 GAL. DRAINBACK) TO PROPOSED FIELD; 10 TIMES PER DAY
 CONTRACTOR TO INSTALL PUMPS SUCH THAT ALL PUMPS PROVIDE 40 GPM @ 29' T.D.H
 CONTRACTOR TO UTILIZE A DUPLEX TIME DOSE PANEL TO ALTERNATE PUMPS



15 INVESTMENTS LLC
ROUTE 176
PRAIRIE GROVE, IL 60014
C/O: CHRIS REED
CHRIS@NORTHENILLINOIS

DESCRIPTION

HEALTH

PLANNING

5W543 MILLER ROAD
DUNDEE, IL 60118
PIN 03-09-300-023



215 West Calhoun Street, Woodstock, Illinois

Drawn By
TJM
Checked By
AMS
Date
0/22/2026
Scale
1" = 20 Ft.
Job Number
260609