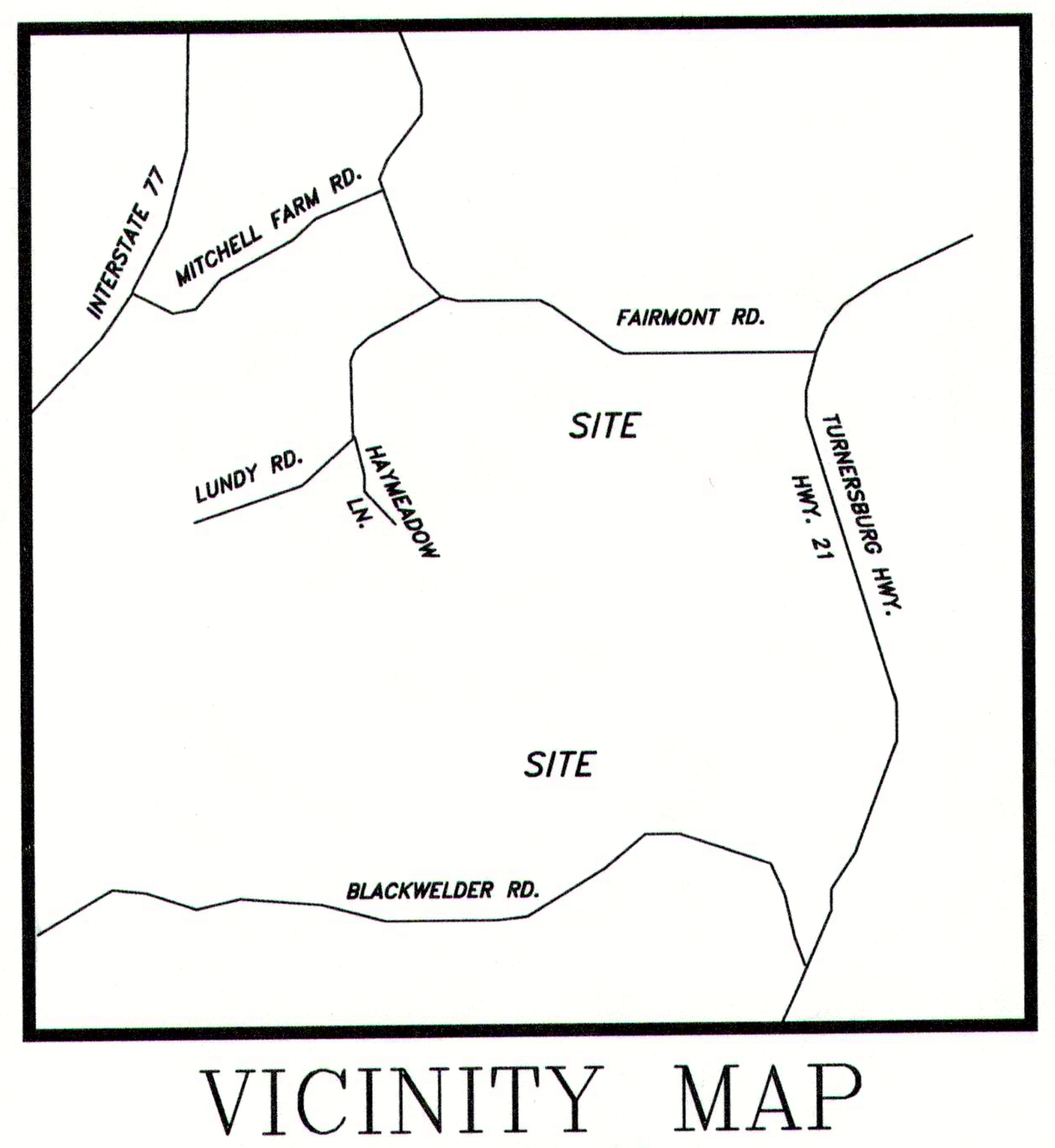
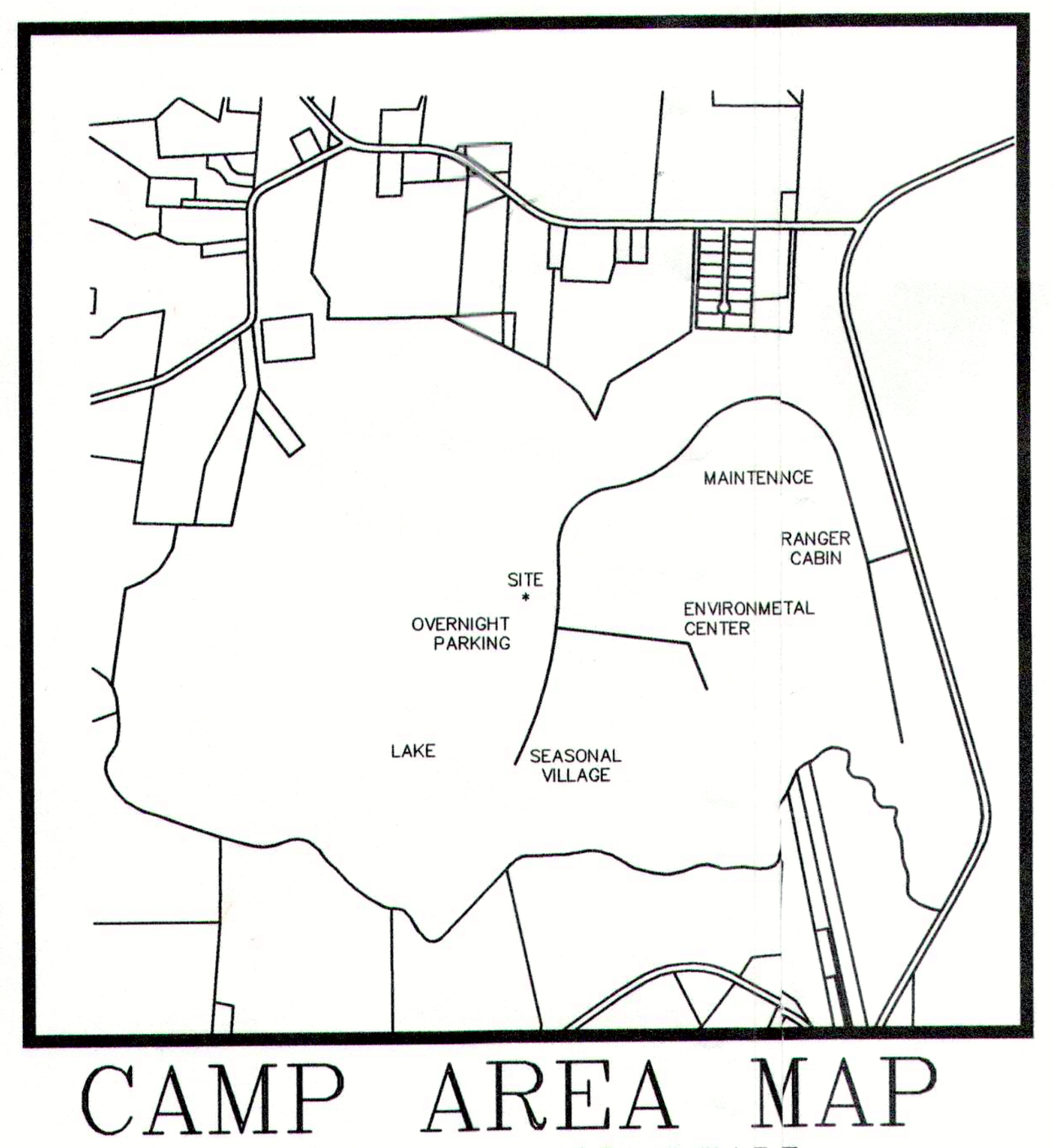


VICINITY MAP
NO SCALE



CAMP AREA MAP
NO SCALE

NOTES:
- BOUNDARY, TOPOGRAPHICAL & SITE INFORMATION PROVIDED BY FREEMAN SURVEYING (BRADLEY FREEMAN, PLS) AND NCDOT LIDAR FOR A PORTION OF THE TORGRAPHICAL SURVEY DATA.
- DRAINFIELD PIT LOCATIONS HAVE BEEN FIELD LOCATED BY PAUL PENNINGER, LSS WITH PENNINGER SOIL CONSULTING, PLLC & HAS BEEN GPS LOCATED FOR USE WITH THIS DRAWING.
- DRAINFIELD LOCATION HAS BEEN APRROVED BY LHD, CONSULTING SOIL SCIENTIST AND REGIONAL SOILS SPECIALIST.
- THERE ARE NO WELLS WITHIN 500 FEET OF PROPOSED SEPTIC SYSTEM
- CONTRACTOR SHALL ESTABLISH A BENCHMARK ON SITE (SEE CIVIL DRAWINGS BY OTHERS FOR BENCHMARK ELEVATION).
- ONLY SANITARY SEWER DISCHARGE SHALL BE ALLOWED TO ENTER SYSTEM. NO DISCHARGE FROM STORM WATER, COOLING SYSTEM OR CONDENSATE DRAINS SHALL BE ALLOWED TO ENTER SYSTEM.
- CLEAR DRAIN FIELD OF ALL DEBRIS, LIMBS, ETC. CUT SMALL SAPLINGS OFF AT GROUND. LIGHTLY HAND SMOOTH ANY IRREGULAR SURFACES. REMOVE LIMBS FROM REMAINING TREES TO A MIN OF 8' ABOVE GRADE. GRASS ALL DISPOSAL AND DISTURBED AREAS.
- MAINTAIN 2' MINIMUM SEPARATION ON ALL DRIP LATERALS
- SEED ALL DISTURBED AREAS.
- OBSERVE ALL SETBACKS.

  - REFER TO SHEETS U-2 & SPECIFICATION PACKAGE FOR SYSTEM DETAILS & ELEVATIONS

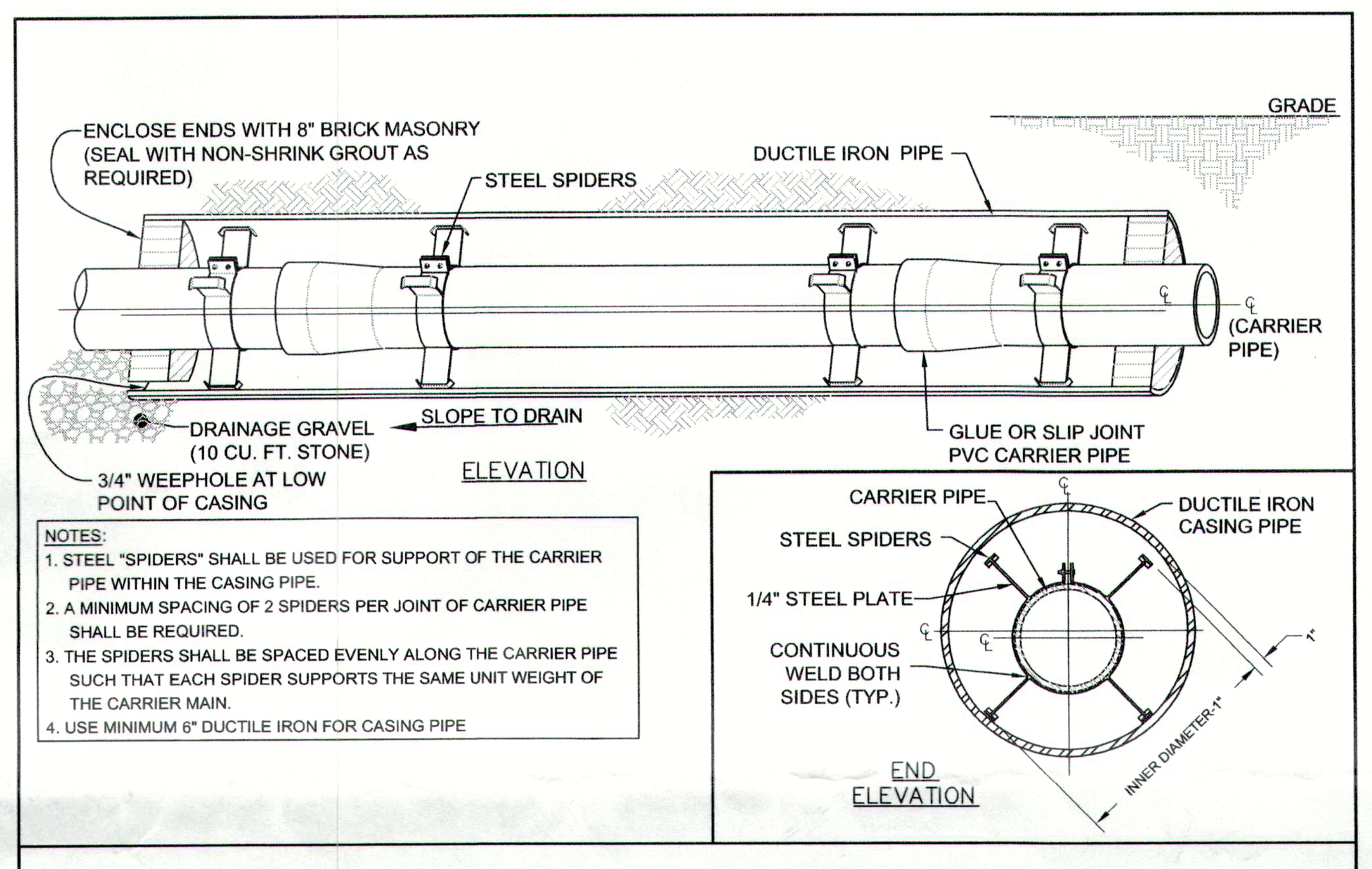
DESIGN SUMMARY:
- 400 PERSONS, 3 MEALS/DAY AT 4.2 G/D/MEAL SERVED: 5,040 GPD
- FLOW EQUALIZED VOLUME TO DRAINFIELDS DAILY - 1,865.71 G/D
  (SEE CALCULATIONS FOR BREAKDOWN)
  4 DOSES PER DAY AT 466.43 GALLONS PER DOSE
  PUMP RUN TIME: 8.51 MINUTES PER DOSE
  TANK DRAWDOWN: 3.74 INCHES PER DOSE
- LTAR = 0.25 G/D/SF (PER PAUL PENNINGER, LSS FOR NITRIFICATION FIELDS
- 100% REPAIR IS AVAILABLE & MUST BE PROTECTED FROM ANY AND ALL LAND DISTURBING ACTIVITIES
- 4,000 GALLON PRECAST GREASE TANK (BAFFLED)
- ~~6,000 GALLON PRECAST SEPTIC TANK (BAFFLED)~~
- 18,000 GALLON PRECAST FLOW EQ/DOSING TANK WITH ALTERNATING DUPLEX PUMPS & TIME DOSE CONTROL PANEL IN NEMA 4X ENCLOSURE.
- 2 PRESSURE MANIFOLDS 6-INCH DIA. WITH (10) 1/2-INCH SCH 80 TAPS
- 10 LATERALS PER MANIFOLD WITH 128 LF PER LATERAL.

WASTEWATER SYSTEM DESIGN ENGINEER
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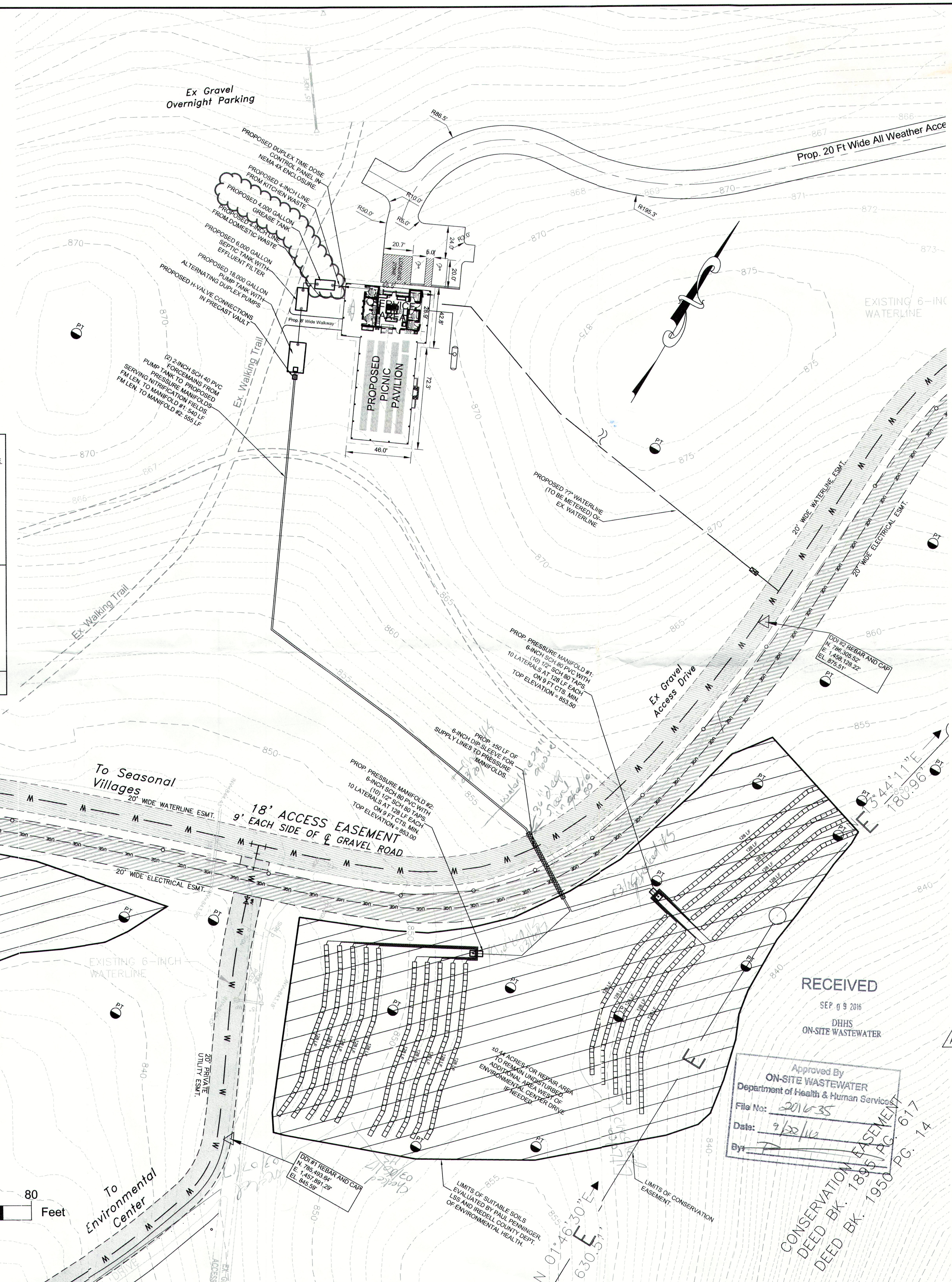
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STEEL ENCASEMENT & CARRIER PIPE



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

Location: PR–

Owner: ______ Approved: ______ Date of Issue: ______

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PREPARED FOR:
HORNETS NEST GIRL SCOUT COUNCIL
7007 IDELWILD ROAD
CHARLOTTE, NC 28212
(704) 731-6500

SEPTIC SYSTEM SITE PLAN
OAK SPRINGS GIRL SCOUT CAMP PICNIC PAVILION
1919 TURNERSBURG HIGHWAY
STATESVILLE, IREDELL COUNTY, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 17327 ENGINEER DONALD L. MUNDAY

REVISIONS	BY
REV. PER COMMENTS BY DHHS T ANGOLI (9/6/16)	DMD

Date: 8/10/16
Scale: 1"=40 FT, 2' CONTOURS
Drawn: DMD
Checked: DLM
Project: 2016-05-02
Job: 2016-05-02
Sheet U-1 of 2 Sheets
A 9/6/16