



BID ADDENDUM NO. 1  
April 18, 2019

## Town of Mansfield, Connecticut Southeast Park Well Installation

**TO: Prospective Bid Proposers:**

This Addendum forms part of the "Request for Proposal – Southeast Park Well Installation" and modifies or clarifies the original "Request for Proposal – Southeast Park Well Installation" for this project dated April 30, 2019. Prospective Bid Proposers shall acknowledge receipt of the addendum and submit with their bid. Failure to do so may subject the Bid Proposers to disqualification.

The list of the pre-bid walkthrough attendees is attached as Attachment A.

**Pre-Bid Walkthrough Questions:**

The following are questions that have been received from potential bidders with the following answer provided in bold italics below:

Q1: Are there any plans showing where the underground electric runs are located?

**A1: Please see Attachment B for the design plan and septic as built tank locations.**

Q2: What is the electrical service of the building?

**A2: The concession building has 3 phase power, 200 amp service. The disconnect is in the concession building and the breaker is located in the school building.**

Q3: How old is the concession building?

**A3: The concession building is 13 years old.**

Q4: What does the Town want to do with the old plumbing in the concession building?

**A4: The Town would like the new plumbing to tie in to the concession building and disconnect the old plumbing and leave in the building. The contractor is responsible for installing new concrete and seeding the disturbed areas.**

Q5: Will the Town be amenable to a gravel well?

**A5: After further review, a gravel well is not acceptable to the Town.**

Q6: What yield is the Town looking for?

**A6: The well yield shall be the State minimum.**

This addendum must be signed and returned with your Bid.

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Authorized Signature of Bidder

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Company Name

**End of Addendum No. 1**



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**ATTACHMENT A**  
**PRE-BID WALKTHROUGH ATTENDEES**

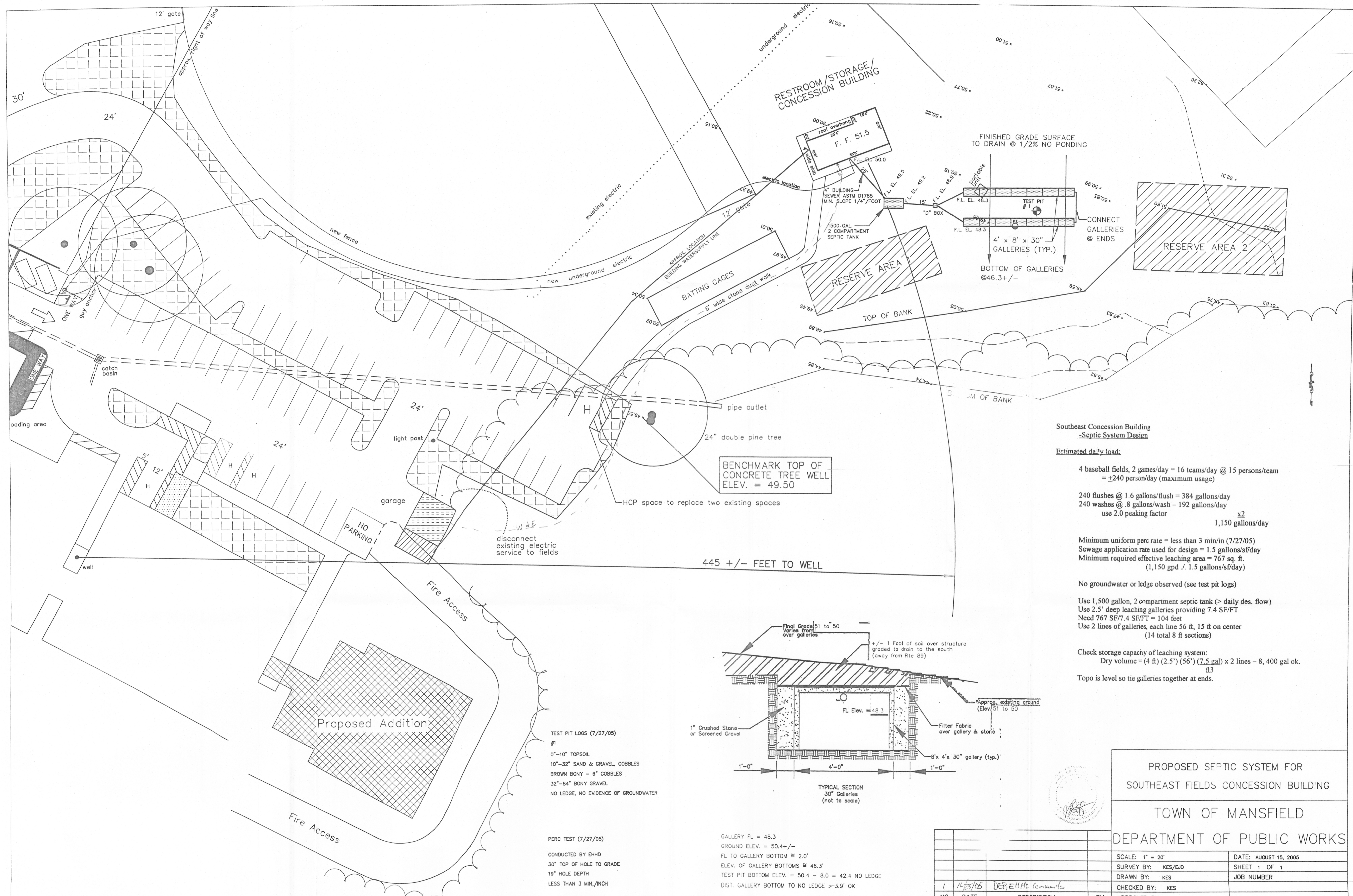
Town of Mansfield  
 Southeast Park Well Installation  
 April 16, 2019  
 Pre-Bid Walkthrough – 10:00am

Name	Company Name & Address	Phone Number	Email
Rob SIMA	SIMA Drilling Co	203-272-3077	simadrilling@vecoxmail.com
John Sima IV	Hydro Dynamic Engrg.	860-638-4622	John Sima@comcast.net
Bill STOETT	WESTON & SAMPSON	960 513 1473	STOETT@WSEW.COM



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**ATTACHMENT B**  
**DESIGN PLANS / SEPTIC AS BUILT PLAN**



**Southeast Concession Building  
-Septic System Design**

**Estimated daily load:**

4 baseball fields, 2 games/day = 16 teams/day @ 15 persons/team  
= +240 person/day (maximum usage)

240 flushes @ 1.6 gallons/flush = 384 gallons/day  
240 washes @ .8 gallons/wash = 192 gallons/day  
use 2.0 peaking factor  $\times 2$   
1,150 gallons/day

Minimum uniform perc rate = less than 3 min/in (7/27/05)  
Sewage application rate used for design = 1.5 gallons/sf/day  
Minimum required effective leaching area = 767 sq. ft.  
(1,150 gpd / 1.5 gallons/sf/day)

No groundwater or ledge observed (see test pit logs)

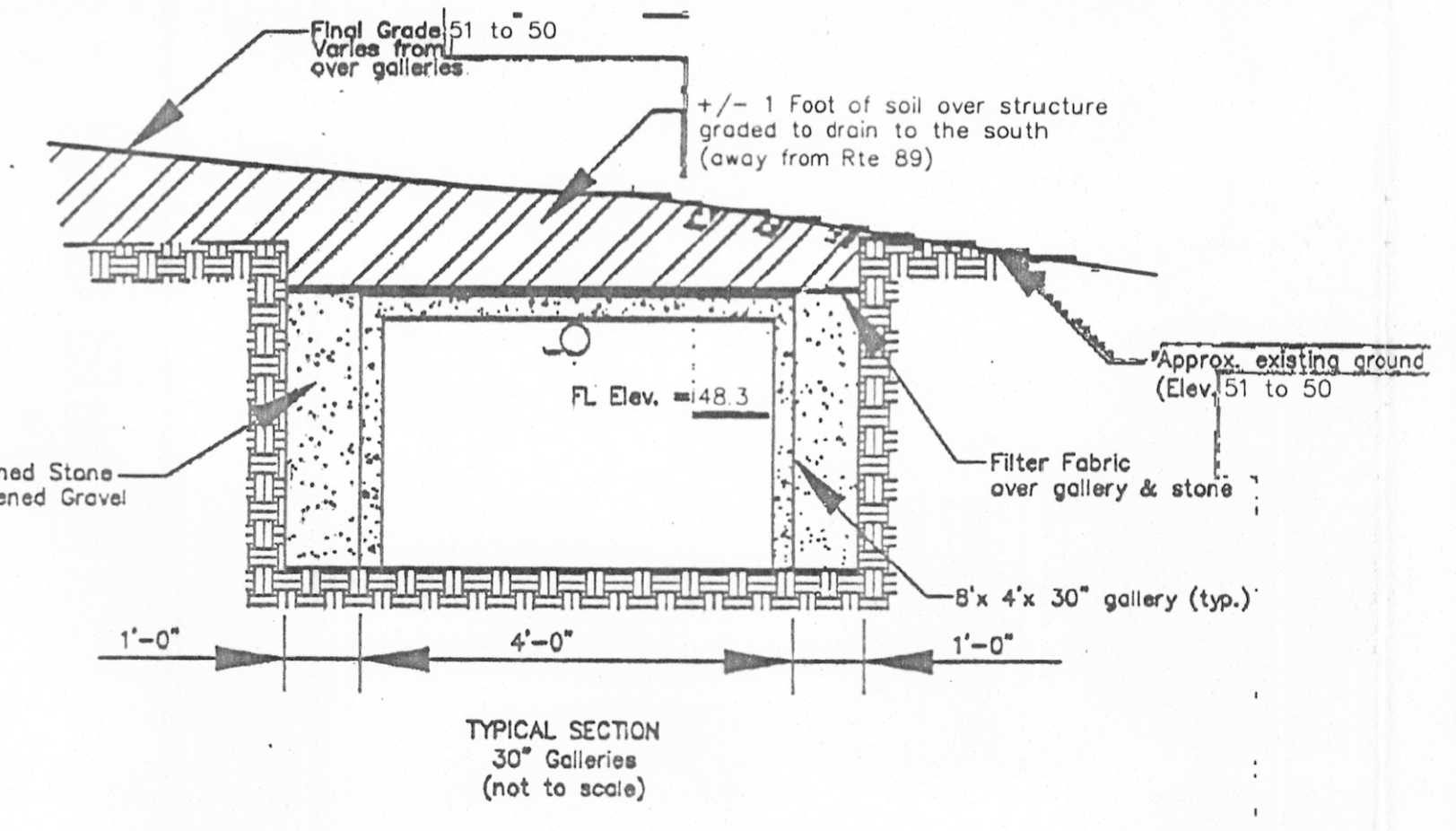
Use 1,500 gallon, 2 compartment septic tank (> daily des. flow)  
Use 2.5' deep leaching galleries providing 7.4 SF/FT  
Need 767 SF/7.4 SF/FT = 104 feet  
Use 2 lines of galleries, each line 56 ft, 15 ft on center  
(14 total 8 ft sections)

Check storage capacity of leaching system:  
Dry volume = (4 ft) (2.5') (56') (7.5 gal) x 2 lines = 8,400 gal ok.  
ft<sup>3</sup>

Topo is level so tie galleries together at ends.

**TEST PIT LOGS (7/27/05)**  
#1  
0"-10" TOPSOIL  
10"-32" SAND & GRAVEL, COBBLES  
BROWN BONY - 6" COBBLES  
32"-84" BONY GRAVEL  
NO LEDGE, NO EVIDENCE OF GROUNDWATER

**PERC TEST (7/27/05)**  
CONDUCTED BY EHDH  
30" TOP OF HOLE TO GRADE  
19" HOLE DEPTH  
LESS THAN 3 MIN./INCH



GALLERY FL = 48.3  
GROUND ELEV. = 50.4 +/-  
FL TO GALLERY BOTTOM  $\approx$  2.0'  
ELEV. OF GALLERY BOTTOMS  $\approx$  46.3'  
TEST PIT BOTTOM ELEV. = 50.4 - 8.0 = 42.4 NO LEDGE  
DISI. GALLERY BOTTOM TO NO LEDGE > 3.9' OK

NO.		DATE	DESCRIPTION	BY	APPROVED BY:
1	10/25/05		DEB/EHDH Comments		LRH

PROPOSED SEPTIC SYSTEM FOR  
SOUTHEAST FIELDS CONCESSION BUILDING

TOWN OF MANSFIELD  
DEPARTMENT OF PUBLIC WORKS

SCALE: 1" = 20'	DATE: AUGUST 15, 2005
SURVEY BY: KES/EJO	SHEET 1 OF 1
DRAWN BY: KES	JOB NUMBER
CHECKED BY: KES	
APPROVED BY: LRH	

7/11/05

# Southeast Concession Building - Septic System Design

Est daily load:

4 baseball fields, 2 games/day = 16 teams/day @ 15 pers/team  
= 240 persons/day (max usage)

240 flushes @ 1.6 gal/flush = 384 gal/day  
240 washes @ .8 gal/wash = 192 gal/day } 576 gpd

Use 2.0 peaking factor

$\frac{\times 2}{1150 \text{ gal/day}}$

Minimum uniform perc rate = less than 3 in/in (7/27/05)

Sewage applic rate used for design = 1.5 gal/sf/day

Minimum req'd effective leaching area = 767 sq ft.

(1150 gpd  $\div$  1.5 gal/sf/day)

No groundwater or ledge observed (see test pit logs)

Use 1500 gal, 2 compartment septic tank (2 daily dos. flow)

Use 2.5' deep leaching galleries providing 7.4 SE/FT.

Need 767 SE / 7.4 SE/FT = 104 feet

Use 2 lines of galleries, each line 56 ft, 15 ft on center  
(14 total 8 ft sections)

Check storage capacity of leaching sys:

$$\text{Dry Vol} = (4 \text{ ft}) (2.5 \text{ ft}) (56 \text{ ft}) \left( \frac{7.5 \text{ gal}}{\text{ft}^3} \right) \times 2 \text{ lines} = 8,400 \text{ gal OK.}$$

Topo is level, so tie galleries together @ ends.



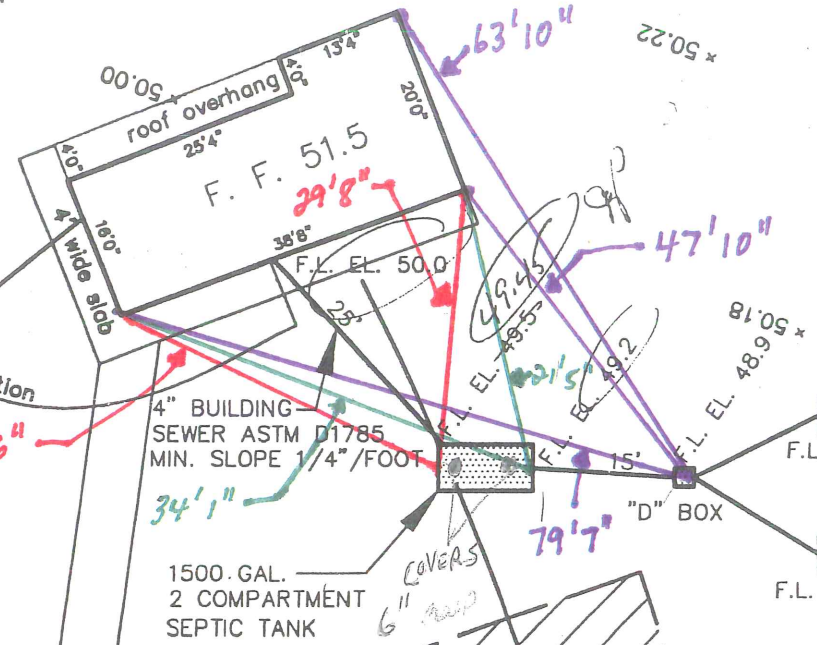
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SOUTHEAST PARK - RESTROOM/CONCESSION/STORAGE BUILDING - SEPTIC AS BUILT TANK LOCATIONS

RESTROOM/STORAGE/  
CONCESSION BUILDING

underground electric  
\*50.16

12' gate  
CAGES  
wide stone dust walk  
\*50.01  
\*49.97  
\*50.05



FINISHED GRADE SURFACE  
TO DRAIN @ 1/2% NO PONDING

