6509

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, Station 10 SHS
(207) 287-5672 FAX: (207) 287-4172

PROPERTY LOCATION

>> Caution: Permit Required – Attach In Space Below <<

City, Town, or Plantation	PORTLAND, CUSHING ISLAND
Street or Road	46 OTTAWA AVENUE
Subdivision, Lot #	

PORTLAND
Date Permit Issued: 6/4/08
Local Plumbing Inspector Signature

PERMIT # 10661 TOWN COPY
$ 100.00 FEE ☐ If Double Fee Charged
L.P.I. # 10,69

106 AC 11

OWNER/APPLICANT INFORMATION

Name (last, first, MI)	MESERVE TRUST — Owner Applicant
Mailing Address of ☐ Owner ☐ Applicant	C/O JOHN MESERVE 17 BRENNER DRIVE NEWTON, NH 03858
Daytime Tel. #	978-346-0439

Municipal Tax Map # ____ Lot # ____ Lat. N 43 38' 28" Lon. W 70 12' 18"

Owner or Applicant Statement

I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a permit.

Signature of Owner/Applicant — 5/30/08 Date

Caution: Inspections Required

I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.

Suzann Bond 1067
Local Plumbing Inspector Signature

6/20/08 (1st) Date Approved

(2nd) Date Approved

PERMIT INFORMATION

TYPE OF APPLICATION

1. ☐ First Time System
2. ■ Replacement System
   Type Replaced: TRENCH
   Year Installed: ?
3. ☐ Expanded System
   a. ☐ Minor Expansion
   b. ☐ Major Expansion
4. ☐ Experimental System
5. ☐ Seasonal Conversion

THIS APPLICATION REQUIRES

1. ■ No Rule Variance
2. ☐ First Time System Variance
   a. ☐ Local Plumbing Inspector Approval
   b. ☐ State & Local Plumbing Inspector Approval
3. Replacement System Variance
   a. ☐ Local Plumbing Inspector Approval
   b. ☐ State & Local Plumbing Inspector Approval
4. ☐ Minimum Lot Size Variance
5. ☐ Seasonal Conversion Approval

DISPOSAL SYSTEM COMPONENTS

1. ■ Complete Non-Engineered System
2. ☐ Primitive System (graywater & alt toilet)
3. ☐ Alternative Toilet, specify: ____
4. ☐ Non-Engineered Treatment Tank (only)
5. ☐ Holding Tank, ____ Gallons
6. ☐ Non-Engineered Disposal Field (only)
7. ☐ Separated Laundry System
8. ☐ Complete Engineered System (2000gpd+)
9. ☐ Engineered Treatment Tank (only)
10. ☐ Engineered Disposal Field (only)
11. ☐ Pre-treatment, specify:
12. ☐ Miscellaneous components

SIZE OF PROPERTY

87,000 SQ. FT.+- ■ sq. ft. ☐ acres

SHORELAND ZONING

☐ Yes ■ No

DISPOSAL SYSTEM TO SERVE

1. ■ Single Family Dwelling Unit, No. of Bedrooms: 7
2. ☐ Multiple Family Dwelling, No of Units: ____
3. ☐ Other: ____ SPECIFY

Current Use ■ Seasonal ☐ Year Round ☐ Undeveloped

TYPE OF WATER SUPPLY

1. ☐ Drilled Well 2. ☐ Dug Well 3. ☐ Private
4. ■ Public 5. ☐ Other:

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

1. ■ Concrete
   a. ■ Regular
   b. ☐ Low Profile
2. ☐ Plastic
3. ☐ Other: ____
   CAPACITY (2) 1000 gallons

DISPOSAL FIELD TYPE & SIZE

1. ☐ Stone Bed 2. Stone Trench
3. ■ Proprietary Device
   a. ☐ Cluster array c. ■ Linear
   b. ■ Regular d. ☐ H-20 loaded
4. ☐ Other:

SIZE 2304 ■ sq. ft. ☐ lin. ft
48 ELJEN IN DRAIN UNITS

GARBAGE DISPOSAL UNIT

1. ■ No 3. ☐ Maybe
2. ☐ Yes >> Specify one below:
   a. ☐ Multi-compartment tank
   b. ☐ _____ tanks in series
   c. ☐ Increase in tank capacity
   d. ☐ Filter on tank outlet

DESIGN FLOW

630 gallons per day
BASED ON:
1. ■ Table 501.1 (dwelling unit(s))
2. ☐ Table 501.2 (other facilities)
SHOW CALCULATIONS
- for other facilities -

7 BEDROOMS AT 90 GALLONS PER DAY EACH

3. ☐ Section 503.0 (meter readings)
ATTACH WATER-METER DATA

SOIL DATA & DESIGN CLASS

PROFILE	CONDITION	DESIGN
2	A	2

AT Observation Hole # TP 1
Depth 24 "
OF MOST LIMITING SOIL FACTOR

DISPOSAL FIELD SIZING

1. ☐ Small - 2.0 sq.ft./gpd
2. ☐ Medium - 2.6 sq.ft./gpd
3. ■ Medium-Large - 3.3 sq.ft./gpd
4. ☐ Large - 4.1 sq.ft./gpd
5. ☐ Extra-Large - 5.0 sq.ft. gpd

EFFLUENT/EJECTOR PUMP

1. ☐ Not required
2. ■ May be required
3. ☐ Required >>Specify only for engineered or experimental systems:

DOSE: Gallons

SITE EVALUATOR STATEMENT

I Certify that on 4/30/08 (date) I completed a site evaluation on this property and state that the data reported is accurate and that the proposed sytem is in compliance with the Subsurface Wastewater Disposal Rules (10-144A CMP 241).

Site Evaluator Signature — 163 SE # — 5/13/2008 Date

ALBERT FRICK
Site Evaluator Name Printed

(207) 839-5563
Telephone Number

AFA@MAINERR.COM
E-mail Address

ALBERT FRICK ASSOCIATES – 95A COUNTY ROAD ROAD GORHAM, MAINE 04038 – (207) 839-5563

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator

Scanned

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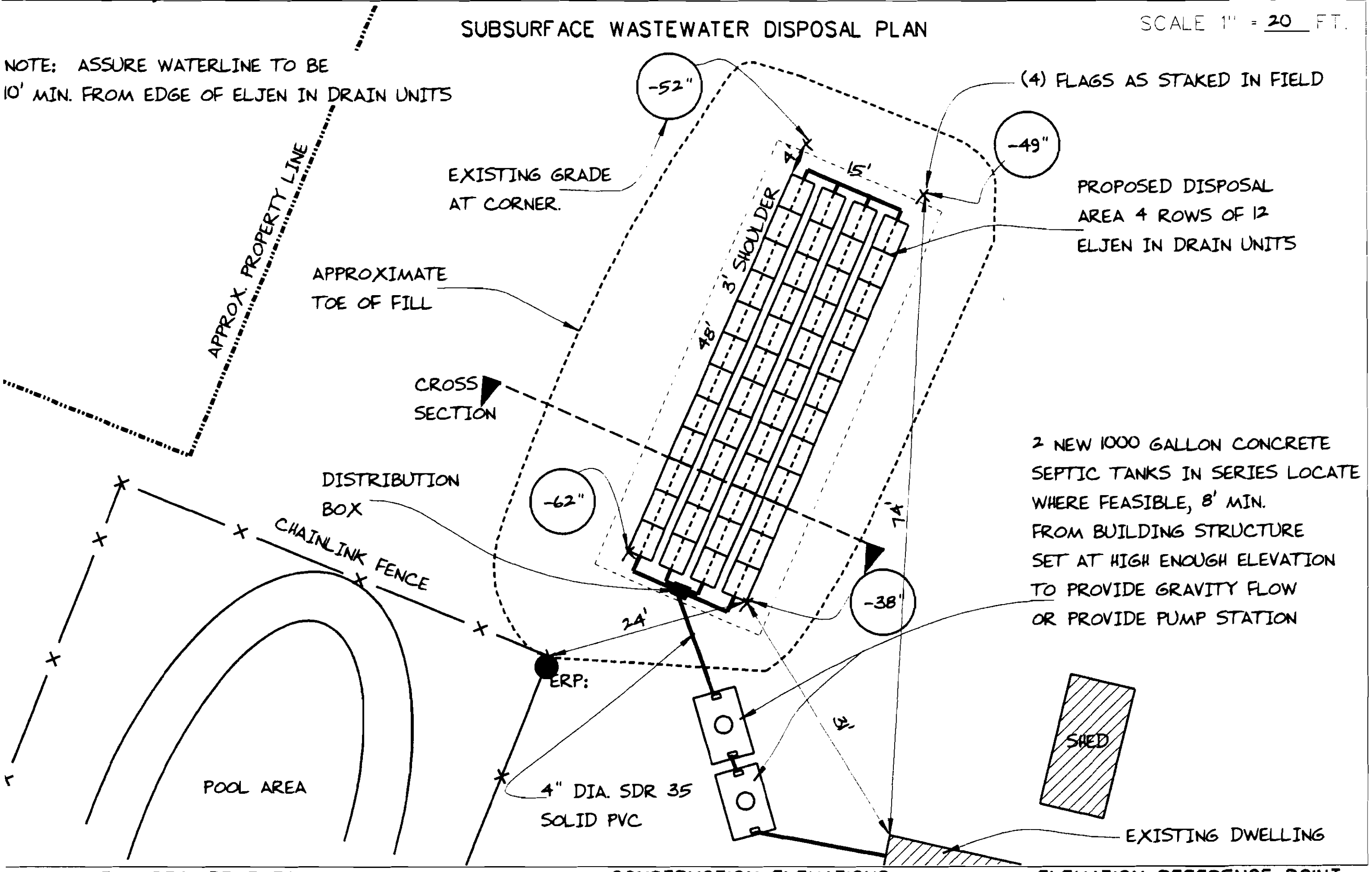
PORTLAND, CUSHING ISLAND	46 OTTAWA AVENUE	MESERVE TRUST

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE 1" = 20 FT.

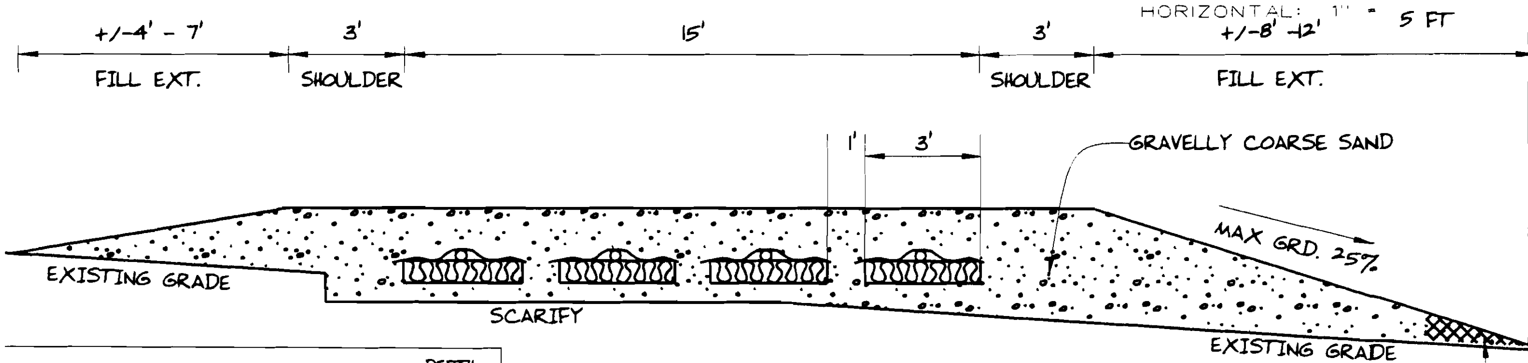
NOTE: ASSURE WATERLINE TO BE 10' MIN. FROM EDGE OF ELJEN IN DRAIN UNITS

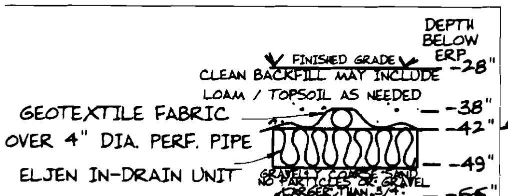


FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT
Depth of Fill (Upslope)	10" - 21"	Finished Grade Elevation	SEE DETAIL BELOW	Location & Description TOP OF FENCE POST 54" ABOVE EXISTING GRADE
Depth of Fill (Downslope)	24" - 34"	Top of Distribution Pipe or Proprietary Device		Reference Elevation is: 0.0" or _____
DEPTHS AT CROSS-SECTION (shown below)		Bottom of Disposal Area		

DISPOSAL AREA CROSS SECTION

SCALE:
VERTICAL: 1" = 5 FT
HORIZONTAL: 1" = 5 FT





REMOVE ALL PORTIONS OF EXISTING DISPOSAL AREA ENCOUNTERED TO A MINIMUM DEPTH OF 2' UNDERNEATH AND 3' ALONGSIDE DISPOSAL AREA AND REPLACE WITH CLEAN GRAVELLY COARSE SAND FILL

CAP TOE OF FILL WITH SANDY LOAM MATERIAL TO PREVENT WASTEWATER BREAKOUT

Albert Frick	163	5/13/2008	
Site Evaluator Signature	SE #	Date	HHE-200 Rev. 10/02

ALBERT FRICK ASSOCIATES - 95A COUNTY ROAD ROAD GORHAM, MAINE 04038 - (207) 839-5563

8"

4'6" 54" - 42 4 6/18 -8 2' 10 4 1/2" @ Top of Elgin Inst at 8"

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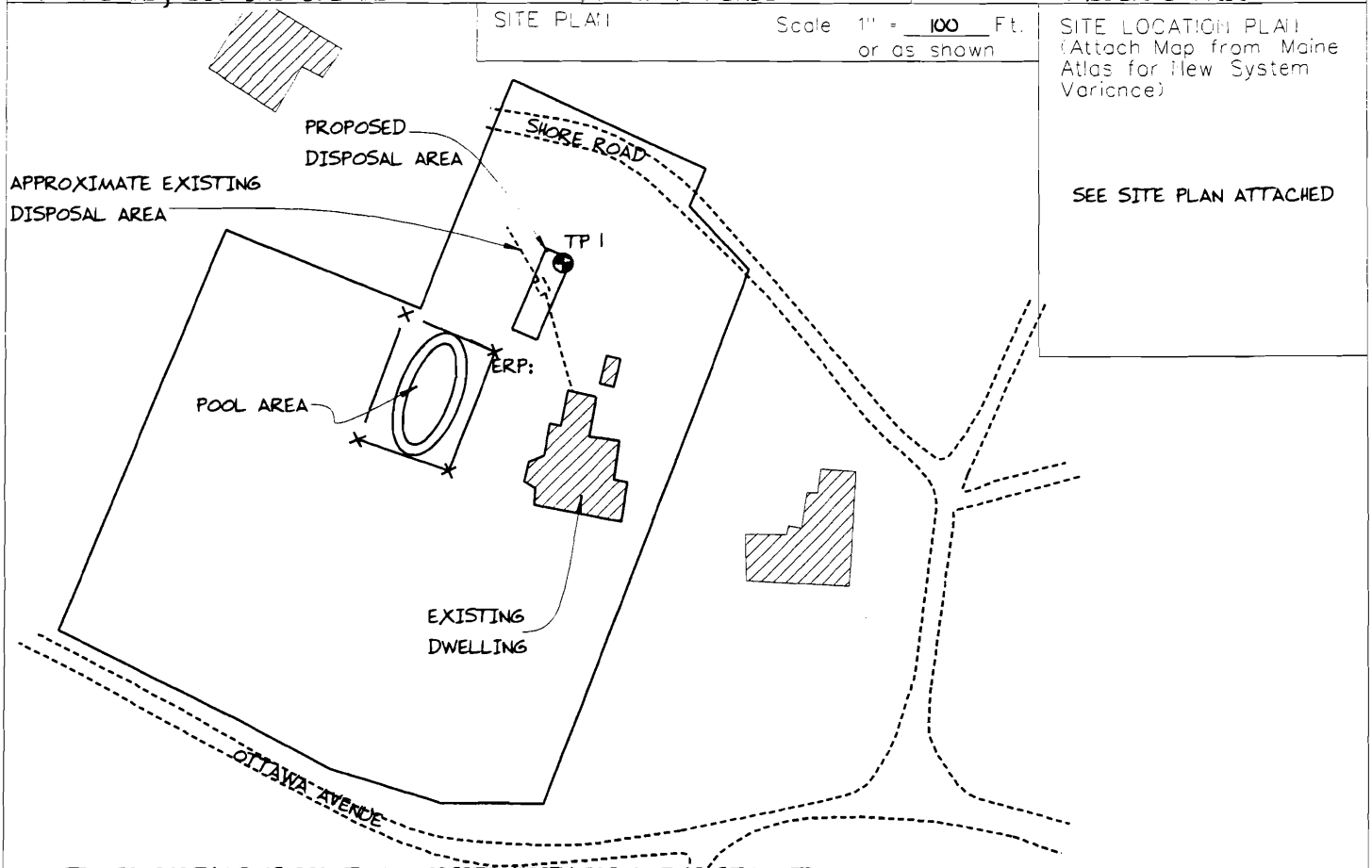
PORTLAND, CUSHING ISLAND	46 OTTAWA AVENUE	MESERVE TRUST

SITE PLAN — Scale 1" = 100 Ft. or as shown

SITE LOCATION PLAN (Attach Map from Maine Atlas for New System Variance)

SEE SITE PLAN ATTACHED



NOTE: PROPERTY LINES PER TOWN WEBSITE VERIFY PRIOR TO INSTALLATION

SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole TP 1 ■ Test Pit ☐ Boring
_____" Depth of Organic Horizon Above Mineral Soil

Depth (inches)	Texture	Consistency	Color	Mottling
0			BROWN	
10	STONY SANDY LOAM	FRIABLE	YELLOW BROWN	
20	BEDROCK			
30				
40				
50				

Soil Classification	Slope	Limiting Factor	
Profile: 2 / Condition: A		24"	☐ Ground Water ☐ Restrictive Layer ■ Bedrock ☐ Pit Depth

Observation Hole _____ ☐ Test Pit ☐ Boring
_____" Depth of Organic Horizon Above Mineral Soil

Depth (inches)	Texture	Consistency	Color	Mottling
0				
10				
20				
30				
40				
50				

Soil Classification	Slope	Limiting Factor	
Profile: ____ / Condition: ____	____ %	-	☐ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Albert Frick — Site Evaluator Signature

163 — SE *

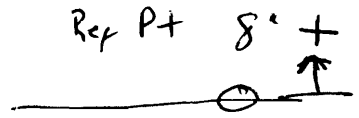
5/13/2008 — Date

ALBERT FRICK ASSOCIATES – 95A COUNTY ROAD ROAD GORHAM, MAINE 04038 – (207) 839-5563

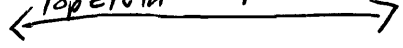
Top of ~~Grade raised 6"~~

~~Beam @ -~~ .64

6/20/08

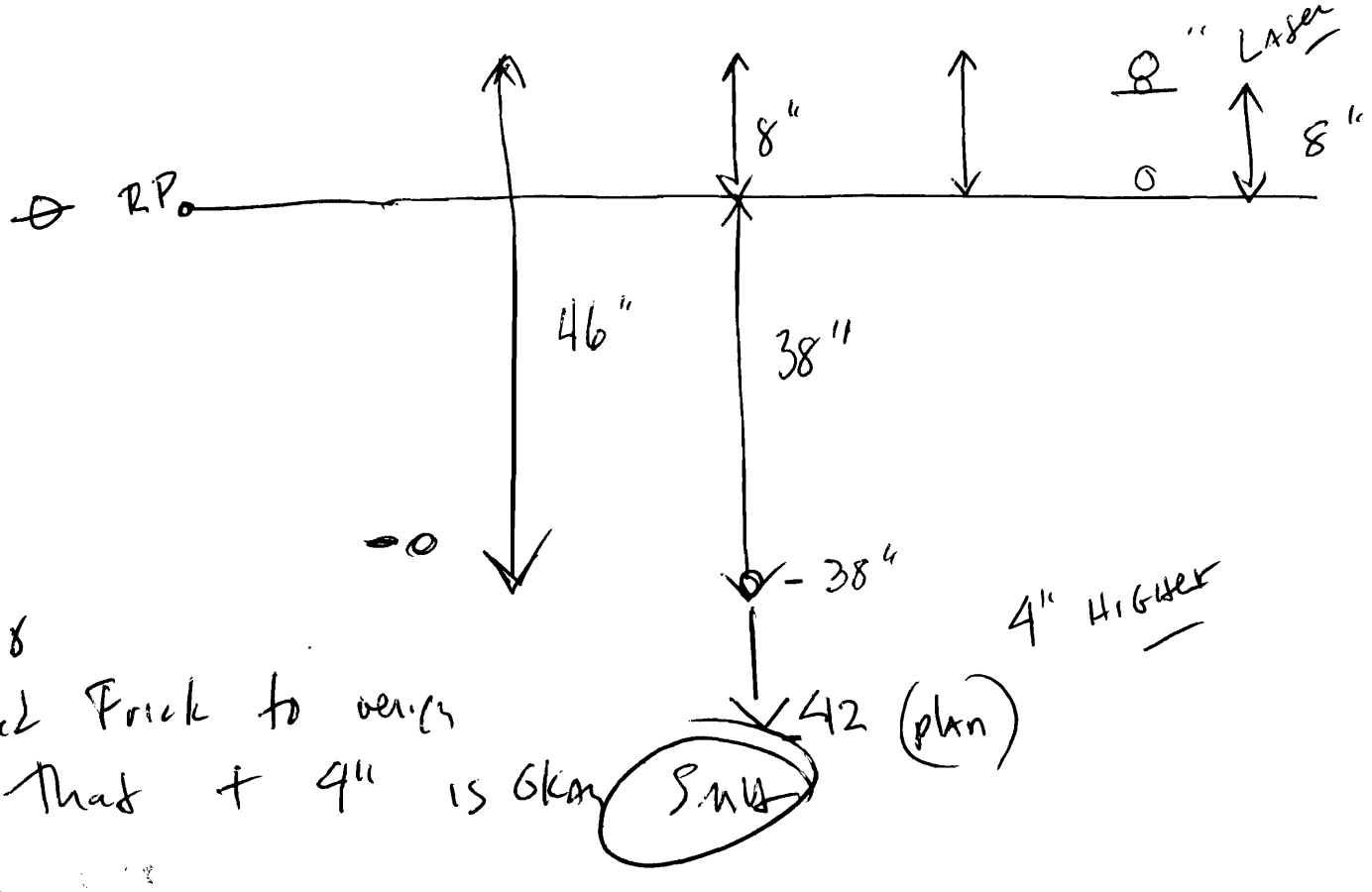


→ 48

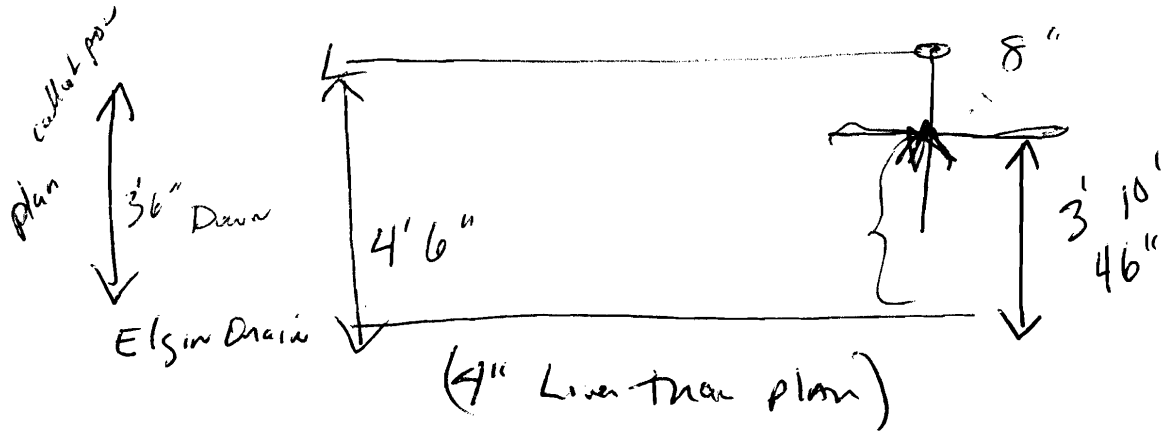


3'-18"
- 8"
3'10" = 46"
3'10"
46"

-55 Button
6 Strips confirmed
49
7 drain & paper
42 →



6/25/08
Called Frick to verify
That + 4" is Okay Smith


plan called for
36" Drop
Elgin Drain
4' 6"
8"
3' 10"
46"
(4" Lower than plan)

3 18
~~4' 6"~~
8"

3' 10"