

Exp: 2/10/18

SERVICE ~~33928~~

FKA # 1544

Service

(old card)

## NEW BEDFORD WATER WORKS

APPLICATION FOR SERVICE AND METER

NEW BEDFORD

2/10/17

I HEREBY ACKNOWLEDGE the receipt of a copy of the Regulations prescribed in the Ordinance of the City, for the use of Water, and I request that the water may be furnished through a

3/4 inch copper

meter at

Old Plainville RD (N.S.)

55' wx shawmut

one family home

at such rates as may from time to time be established by the City.

I hereby agree to pay promptly the bill for the Service pipe laid down for my premises, and to pay all dues for water, and I agree to conform to the said Regulations and to all provisions of the Water Ordinances, until written notice is given by me or my agent to cut off the supply.

P. 124C

L. 50



6A Hathaway RD

02747, Dartmouth, NH

TELEPHONE 58 294 1523 Dartmouth Place

Service laid

Size and kind of pipe

From

St.

Turned on

Meter Set

Reading

Location

Building rates

Paid

Cost of Service

\$490.00

ck # 1598

Paid

31-727



3/4" Copper

Contractor: RJ CANESSA

N x	Plainville Rd	106.0'
E x W	Shawmut Ave	5.3'
N x N	House	10.0'
E x E	House	16.0'
Main to Prop Line		14.0'
Pipe Inside Property		13.0'

picked up couplings 4/28/17

*X Andre Kagan*

MAP 124C

LOT 23

N 73°33'04" E

19.74'

62.3'

SHAWMUT

PLAN BK.174 PG.78

LOT 2

N 15°45'26" W

147.02'

EXISTING  
FOUNDATION  
TOF: 101.05'

12.3'

(PUBLIC - 40' WIDE)  
S 45°52'24" E 177.31'

AVE.

LOT 1  
9,515 S.F.

108.88'

S 77°27'55" W

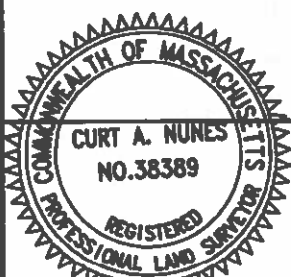
OLD PLAINVILLE (PUBLIC - 50' WIDE) ROAD

AS BUILT FOUNDATION PLAN - LOT 1

OLD PLAINVILLE RD.

IN

NEW BEDFORD, MA.



I CERTIFY THAT THE FOUNDATION SHOWN  
HEREON, AS BUILT, CONFORMS TO THE CITY  
OF NEW BEDFORD ZONING SETBACK  
REQUIREMENTS.

PROFESSIONAL LAND SURVEYOR

DATE

02/08/17

DATE: FEB. 8, 2017

SCALE: 1" = 20'

ROMANELLI ASSOCIATES INC.

PROFESSIONAL LAND SURVEYORS

1162 Rockdale Ave. New Bedford, MA 02740  
Phone (508) 995-0100 - (508) 995-6678

WWW.ROMANELLI-INC.COM



JN 17-011



# SOIL DATA

TP# 1-1	TP# 1-2	TP# 1-3	TP# 1-4
0" A SANDY LOAM 10YR 3/1 97.6	0" A SANDY LOAM 10YR 3/1 97.9	0" A SANDY LOAM 10YR 3/1 98.1	0" A SANDY LOAM 10YR 3/1 98.1
12" B SANDY LOAM 10YR 5/6 96.6	12" B SANDY LOAM 10YR 5/6 96.9	14" B SANDY LOAM 10YR 5/6 97.1	14" B SANDY LOAM 10YR 5/6 97.1
36" C LOAMY SAND 2.5Y 6/2 94.6	48" C1 LOAMY SAND 2.5Y 6/2 93.9	48" C1 LOAMY SAND 2.5Y 6/2 94.1	48" C1 LOAMY SAND 2.5Y 6/2 94.1
120" C SAND 2.5Y 6/3 87.6	60" C2 SAND 2.5Y 6/3 87.9	64" C2 SAND 2.5Y 6/3 88.1	64" C2 SAND 2.5Y 6/3 88.1

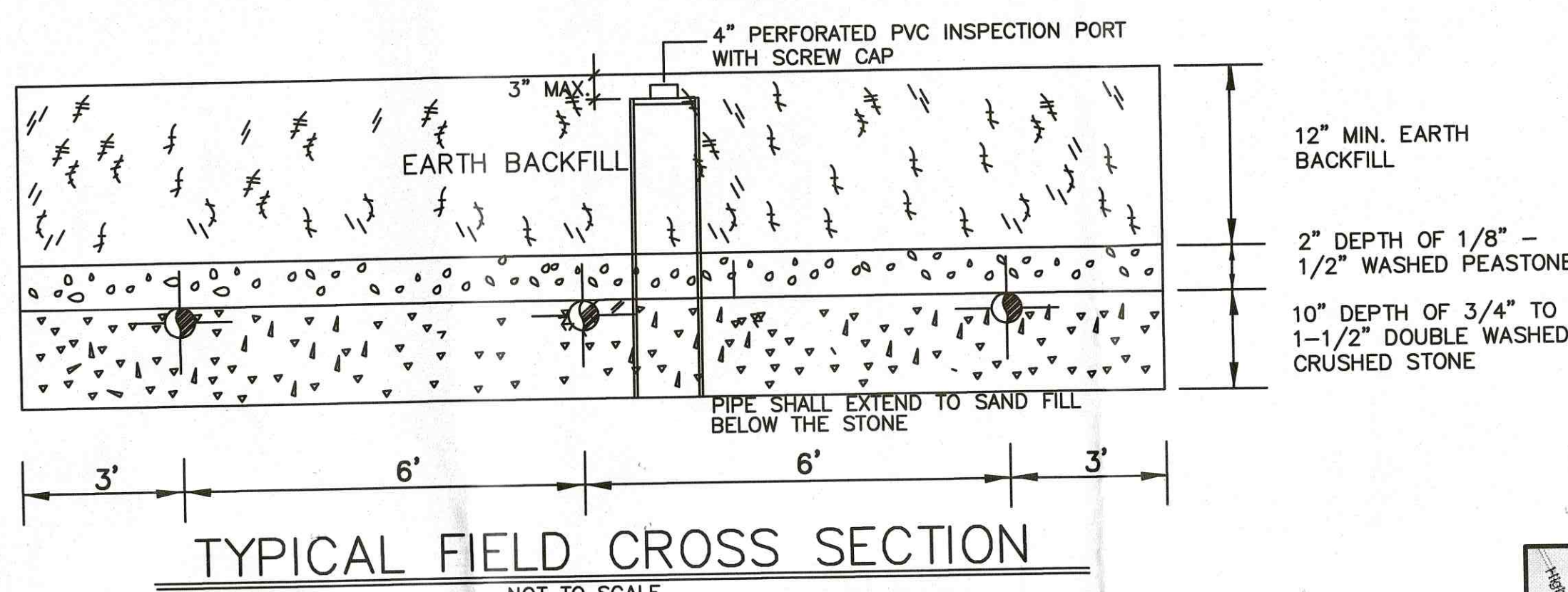
PERC RATE: 1" IN <2 MIN. MOTTLES @ 120" ELEV.= 87.9  
PERC DEPTH: 38" ELEV.= 94.4  
MOTTLES @ 120" ELEV.= 87.9

PERC RATE: 1" IN <2 MIN. MOTTLES @ 120" ELEV.= 87.9  
PERC DEPTH: 66" ELEV.= 92.6  
MOTTLES @ 120" ELEV.= 88.1

PERC RATE: 1" IN <2 MIN. MOTTLES @ 120" ELEV.= 87.9  
PERC DEPTH: 66" ELEV.= 92.6  
MOTTLES @ 120" ELEV.= 88.1

PERC RATE: 1" IN <2 MIN. MOTTLES @ 120" ELEV.= 87.9  
PERC DEPTH: 66" ELEV.= 92.6  
MOTTLES @ 120" ELEV.= 88.1

DATE: 07/27/2016  
PERFORMED BY: KEVIN J. SILVA, S&K ENGINEERING, LLC  
WITNESSED BY: MARY C. FREIRE-KELLOGG



## LEGEND

- 100 EXISTING CONTOUR
- PROPOSED CONTOUR
- PIPE INVERT ELEVATION
- TEST PIT
- SEPTIC TANK
- DISTRIBUTION BOX
- PROPOSED WATER SERVICE LINE
- OBSERVED GROUNDWATER TABLE ELEVATION
- RESERVE AREA

## DESIGN DATA

DESIGN PERC RATE: 1" IN <2 MIN  
DESIGN FLOW: 3 BEDROOMS X 110 GPD/BDM = 330 GPD REQUIRED  
SYSTEM DESIGN: USE 18' X 25' LEACHING BED  
BOTTOM: 25' LONG X 18' WIDE X 0.74 G/SF = 333.0 GPD PROVIDED

## ZONING REQUIREMENTS (MINIMUM)

FRONT YARD SETBACK: 20 FEET  
SIDE YARD SETBACK: 10 FEET AND 12 FEET  
REAR YARD SETBACK: 30 FEET

## GENERAL NOTES

- THIS SYSTEM SHALL BE INSPECTED WHEN LEACHING AREA IS FULLY EXCAVATED AND WHEN ALL COMPONENTS ARE IN PLACE. WHEN THE SYSTEM IS READY FOR INSPECTION, THE CONTRACTOR SHALL NOTIFY THE LOCAL BOARD OF HEALTH.
- WASHED CRUSHED STONE SHALL BE FREE OF ALL DIRT, DUST AND FINES.
- ALL ELEVATIONS ARE BASED ON ASSUMED ELEVATION DATUM.
- HEAVY EQUIPMENT SHALL NOT BE ALLOWED TO OPERATE OVER THE LIMITS OF THE SEWAGE DISPOSAL SYSTEM DURING THE COURSE OF CONSTRUCTION.
- NO FIELD MODIFICATIONS TO THE SEWAGE DISPOSAL SYSTEM SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER AND THE LOCAL BOARD OF HEALTH.
- UNLESS OTHERWISE NOTED ALL SYSTEM COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH TITLE V OF THE STATE ENVIRONMENTAL CODE AND ANY APPLICABLE LOCAL REGULATIONS.
- SEPTIC TANK, DISTRIBUTION BOX, ETC. SHALL BE MANUFACTURED BY BRISTOL COUNTY PRECAST OR APPROVED EQUAL.
- GROUT TO BE USED AT ALL POINTS WHERE PIPES ENTER OR LEAVE ALL CONCRETE STRUCTURES IN ORDER TO PROVIDE A WATER TIGHT SEAL.
- ALL SHIPLAP JOINTS IN THE SEPTIC TANK SHALL BE SEALED WITH NEOPRENE GASKETS OR ASPHALT CEMENT.
- EXCAVATE ALL UNSUITABLE MATERIAL IN LEACHING AREA AND BACKFILL WITH CLEAN, GRANULAR SAND IN ACCORDANCE WITH 15.225(3) OF TITLE V.
- THIS SYSTEM IS NOT DESIGNED FOR A GARBAGE DISPOSAL UNIT.

## BOARD OF HEALTH STAMPS

## BOARD OF HEALTH STAMPS

P.E. STAMP



P.L.S. STAMP

## SUBSURFACE SEWAGE DISPOSAL SYSTEM

OWNER: DARTMOUTH PRIDE  
MAP 124C, LOT 50  
SUBDIVISION LOT 1, OLD PLAINVILLE ROAD  
NEW BEDFORD, MASSACHUSETTS

ENGINEERING FIRM:

**SITEC, Inc.**  
Civil and Environmental Engineering  
Land Use Planning

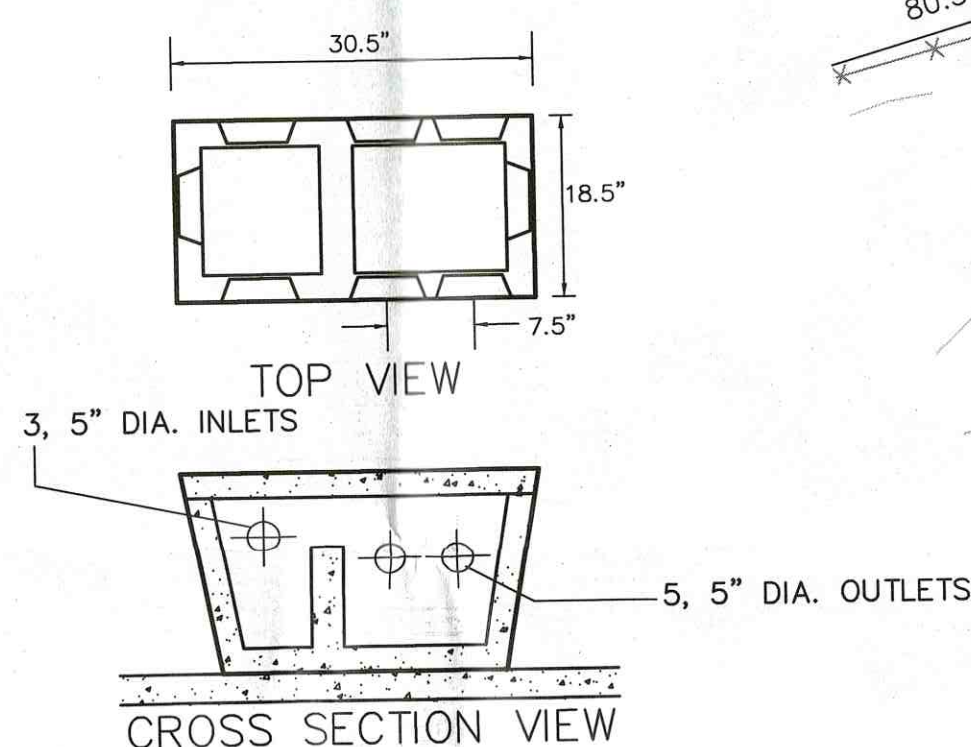
449 Founce Corner Road  
Dartmouth, MA 02747  
(508) 998-2125  
FAX (508) 998-7554

DATE: 12-10-16 REVISED: 1/6/17

CONTACT PERSON: MICHAEL DIBENEDETTO

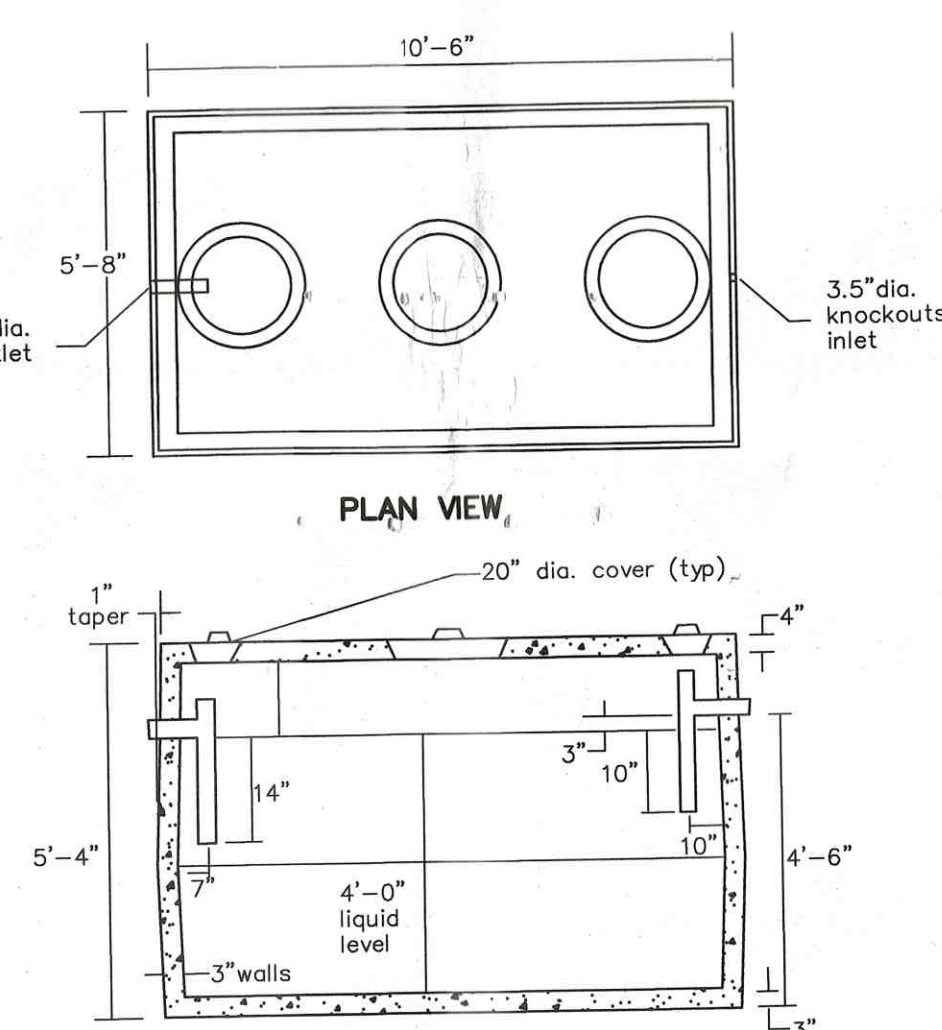
ACAD NO. 16-6642 LOT 1-SSDS.DWG

FILE NO. 16-6462



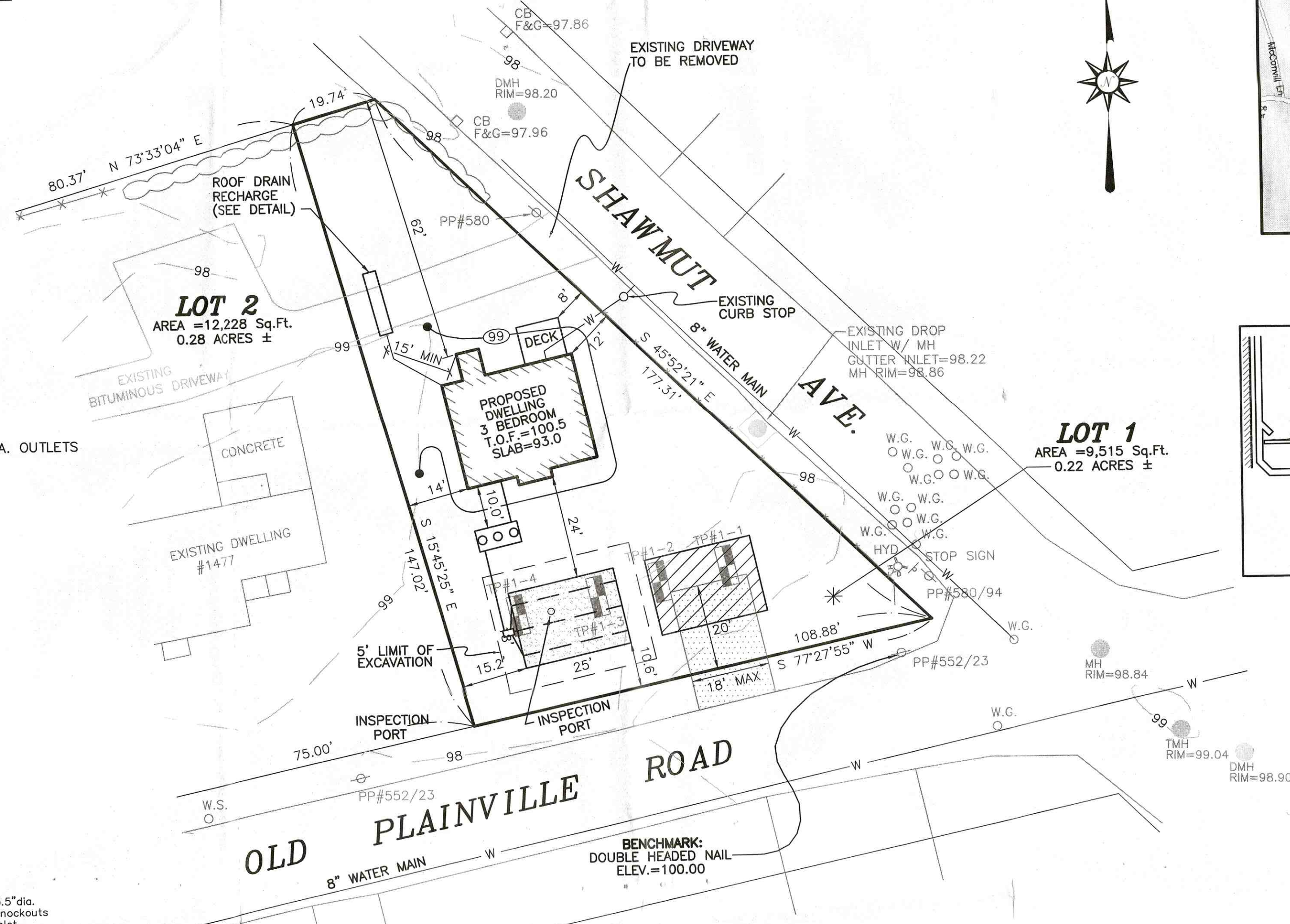
## DISTRIBUTION BOX

NOT TO SCALE



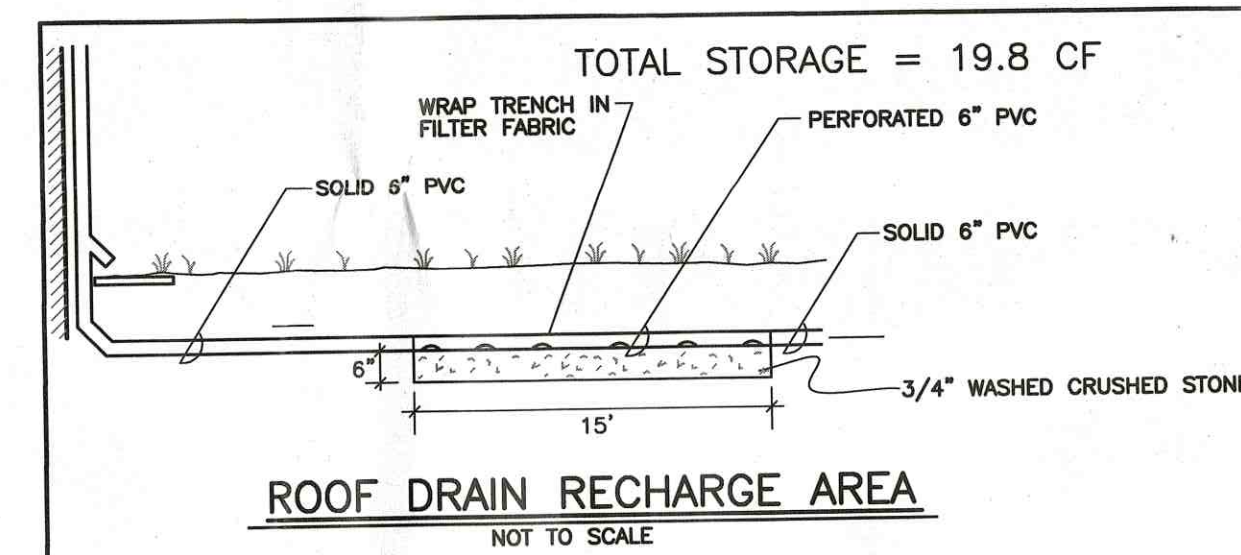
## SEPTIC TANK

NOT TO SCALE



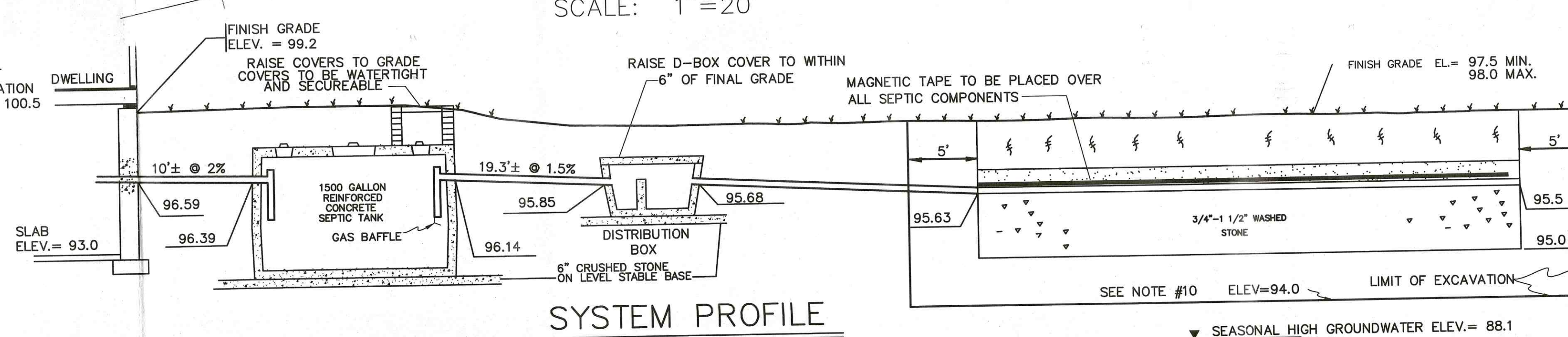
## PLOT PLAN

SCALE: 1"=20'



## ROOF DRAIN

VOLUME TO RECHARGE:  
0.25 INCHES x 625 SF ROOF AREA = 17 CF  
12  
SYSTEM DESIGN:  
USE 1" DEEP, 3" WIDE, 15' LONG  
CRUSHED STONE AREA W/  
6" PERFORATED PVC  
STORAGE PROVIDED:  
PIPE: 0.252 x 17 x 15' = 3.0 CF  
STONE BED:  
[11x3x15'] - 3] x 0.40 VOIDS = 16.8 CF  
TOTAL STORAGE PROVIDED: 19.8 CF



## SYSTEM PROFILE