

10-18-13  
SERVICE 33978

Expires 1-21-2019  
NEW BEDFORD WATER WORKS

APPLICATION FOR SERVICE AND METER

NEW BEDFORD 1-24-2018

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 #1248 meter at Old Plainville Rd SS 896' Wx  
LaBeveuf St.

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. 124 Arne Excavating  
L. 172.

X  
Ronald Oliveira  
5 Arden Way  
Aurora MA 02743

Sewer: Septic System TELEPHONE (508) 733-5931

Service laid ..... Size and kind of pipe .....

From ..... St.

Turned on ..... Meter Set .....

Reading ..... Location .....

Building rates ..... Paid .....

Cost of Service \$500 Chk# ..... Paid .....

31-727

3/4" COPPER SERVICE

W

W x W	Line Leboeuf St	917.0'
W x	Hydrant #5-499	206.0'
N x S	Line Old Plainville Rd	5.0'
E x W	Line	25.2'
W x E	Line	24.5'
N x N	Line	23.6'
S x N	Line Old Plainville Rd	14.0'
	Pipe inside property	20.0'
	6" PVC gas main 2.3' S x Curbstop	

9/4/2018: New Service installed, by contractor  
Arne Excavating: Inspector Manuel Rose

9-6-18

Arne Rose

DISPLAY PERMIT IN A CONSPICUOUS PLACE ON THE PREMISES



Commonwealth of Massachusetts

City of New Bedford

133 William Street New Bedford, MA 02740

WATER SERVICE PERMIT



Date: 5/11/2018

No. **W-18-13**

Permit Fee: \$500.00

Service Location: SS OLD PLAINVILLE RD

Owner Name: OLIVEIRA RONALD

Owner Phone #: (508) 733-5931

Type of Occupancy: Residential

Type of Work: Water - Domestic New 1"

Work Description: water service#33978

P.124

L.172

Old Plainville Rd SS 896' W x Lebeouef St

3/4" COPPER  
sewer septic system

expires 1-24-19

Contractor

Name: \_\_\_\_\_ Certificate #: \_\_\_\_\_ Type of Business : \_\_\_\_\_

Address: \_\_\_\_\_ City/Town/State: \_\_\_\_\_ Phone #: \_\_\_\_\_

Type of Service \_\_\_\_\_ Pipe Size \_\_\_\_\_ Trench Length: **0.00**

Fire Service \_\_\_\_\_

Domestic Service \_\_\_\_\_

Estimated consumption of water

Estimated average daily consumption 0.00 gallons

Estimated maximum day consumption 0.00 gallons

Are lawn sprinklers and/or lawn irrigation proposed on site? **No**

Estimated fire flows required for the project site: 0.00

Does the project require a fire suppression system? **No**

Cross Connection? **No**

Right of Way? **No**

Meter Impact? **No**

Street Opening Permit Required? **No**

Call Phone: (781) 942-9077 For Inspection



COMMONWEALTH OF MASSACHUSETTS

Board of Health, New Bedford, MA.

DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permission is hereby granted to; Construct(☒) Repair( ) Upgrade( ) Abandon( ) an individual at Plot Lot 1 map 124 lot 172 Old Plainville Rd as described

Disposal System Construction Permit No. 17-03, dated \_\_\_\_\_.

**Provided:** Construction shall be completed within three years of the date of this permit. All local

Form 1255 Rev. 5/96 A.M. Sulkin Co. Boston, MA

Date 4/7/17 Board of Health Sandra

No. 17-04

THE COMMONWEALTH OF MASSACHUSETTS

New Bedford BOARD OF HEALTH

DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permission is hereby granted to Construct (☒) Repair ( ) Upgrade ( ) Abandon ( ) disposal system at Old Plainville Rd lot 2 map 124 lot 173

in the application for Disposal System Construction Permit No. 17-04, dated \_\_\_\_\_.

**Provided:** Construction shall be completed within three years of the date of this permit. All local

Date 4/7/17 Board of Health Sandra

FORM 2 - DSCP

DEF. APPROVED FORM 5/96

FORM 1255 (REV 5/96)

H&W HOBBS & WARREN™

PUBLISHERS - BOSTON

No. 17-05

COMMONWEALTH OF MASSACHUSETTS

Board of Health, New Bedford, MA.

DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permission is hereby granted to; Construct(☒) Repair( ) Upgrade( ) Abandon( ) an individual at Plot Lot 4 map 124 lot 174 Old Plainville Rd as described

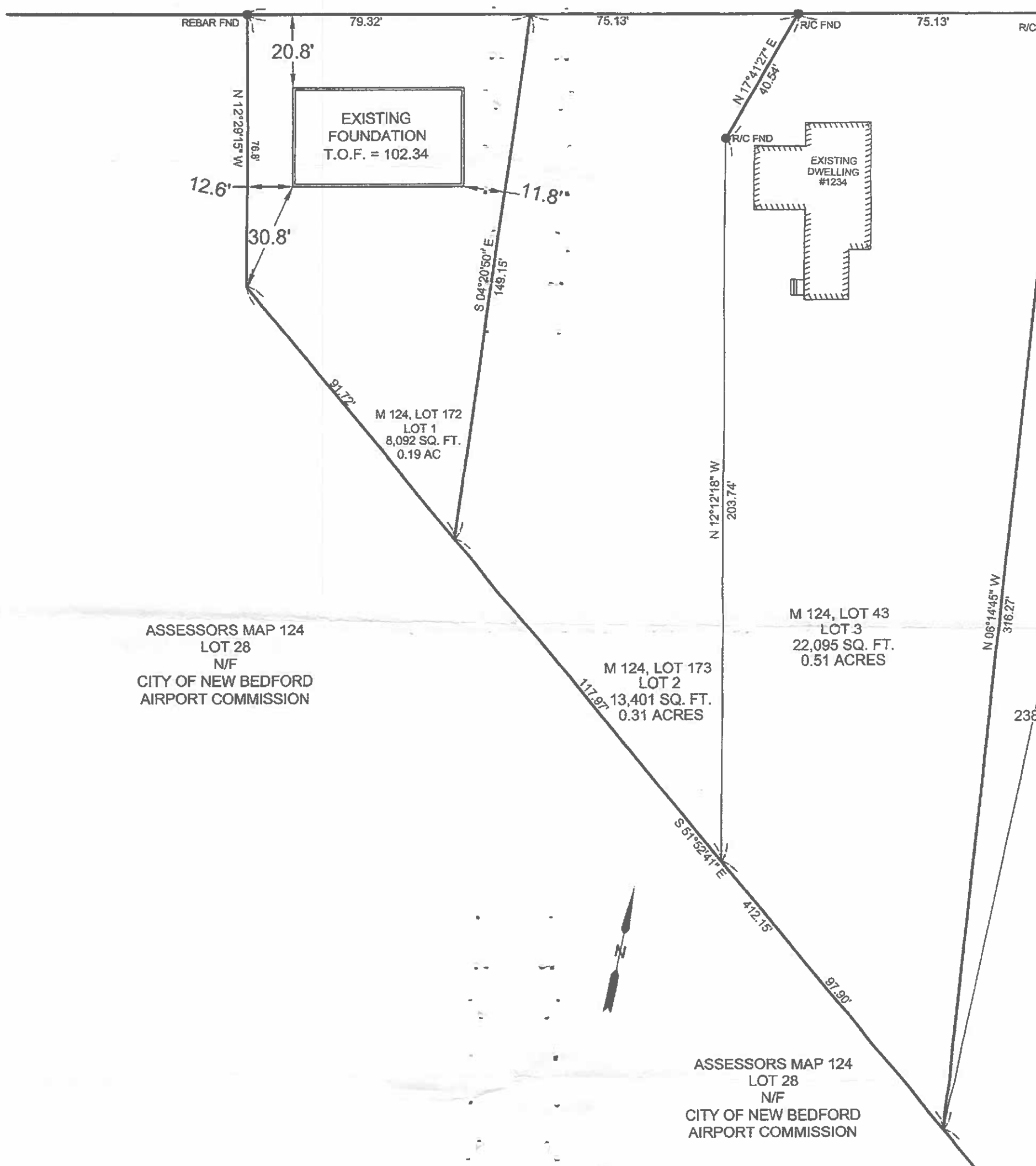
Disposal System Construction Permit No. 17-05, dated \_\_\_\_\_.

**Provided:** Construction shall be completed within three years of the date of this permit. All local

Form 1255 Rev. 5/96 A.M. Sulkin Co. Boston, MA

Date 4/7/17 Board of Health Sandra

# OLD PLAINVILLE ROAD



REFER TO PLAN BOOK 165, PAGE 15 AS FILED AT THE NEW BEDFORD REGISTRY OF DEEDS AND MONUMENTATION AS SET BY ROMANELLI ASSOCIATES, INC.



*Leon C. Halle* 12/19/17

STAMP

LEON C. HALLE, R.L.S. DATE

## FOUNDATION AS-BUILT PLAN

RONNIE OLIVEIRA  
PLAN LOT 1 - OLD PLAINVILLE ROAD  
ASSESSORS MAP 124, LOT 172  
NEW BEDFORD, MA

& Alpha Engineering  
32 Valerie Street  
New Bedford, MA 02740  
Tel. (508) 997-9976

DATE: 12/18/2017

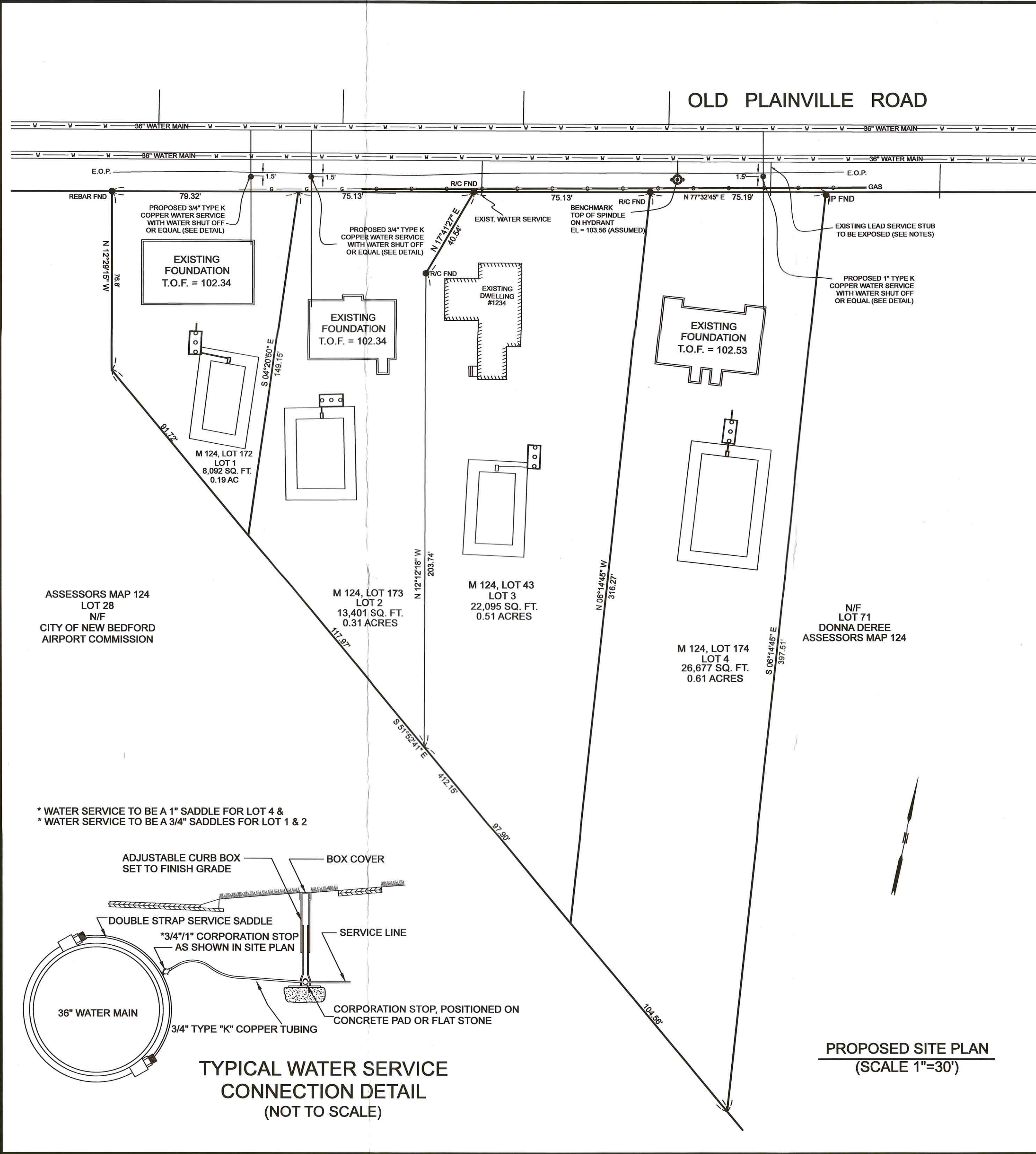
SCALE: 1" = 40'

DRAWN BY: SKE

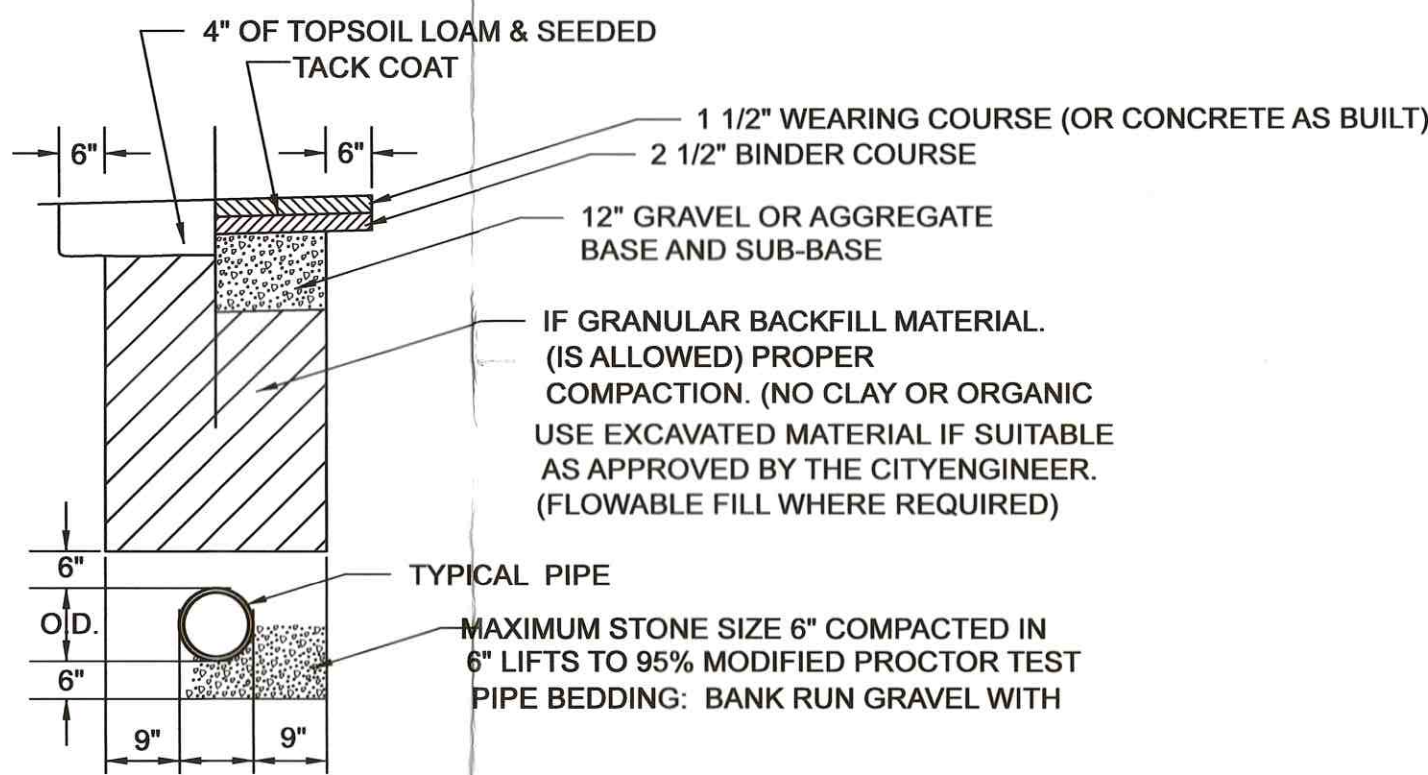
CHECKED BY: LCH

JOB No: 16-075





- GENERAL NOTES
- \*\* REFER TO ORIGINAL BUILDING PERMIT PLAN AND SEPTIC DESIGN PLANS ON FILE AT CITY DPI . THE INTENT OF THIS PLAN IS TO SHOW WATER CONNECIOANS TO THE NEWER WATER MAIN WITHIN THE STREET AS DIRECTED BY THE CITY DPI WATER DEPARTMENT.
- EXISTING UTILITIES SHOWN HAVE BEEN TAKEN FROM RECORD DRAWINGS AND FROM SURFACE EVIDENCE OBTAINED BY ON-THE-GROUND SURVEY. NO REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE UTILITIES SHOWN IS MADE BY THE SURVEYOR/ENGINEER. VERIFICATION OF UTILITIES AND LOCATIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR WITH THE AID OF DIG SAFE AND OTHER RESPECTIVE UTILITY COMPANIES.
  - ALL CONSTRUCTION MATERIALS AND INSTALLATION METHODS TO CONFORM TO THE CITY OF NEW BEDFORD DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS AND THE COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS CONSTRUCTION STANDARDS, AS MOST RECENTLY AMENDED.
  - CONTRACTOR SHALL KEEP RECORDS OF LOCATIONS FOR ALL UNDERGROUND UTILITIES INSTALLED FOR USE IN COMPILING AN AS-BUILT SITE PLAN.
  - CONTRACTOR TO VERIFY AND CHECK BENCHMARK AND ELEVATIONS AS SHOWN ON THIS PLAN PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL PERMITS AS MAY BE REQUIRED, CONTRACTOR ALSO REQUIRED TO PAY ALL PERMITS AND FEES ASSOCIATED WITH COMPLETION OF THE WORK.
  - ANY LAWN AREA DISTURBED DURING CONSTRUCTION TO BE LOAM AND SEEDED AFTER PROPER BACKFILLING AND ALL TRENCHES WITH IN THE EXISTING PAVEMENT TO BE REPAIRED.
  - ALL WATER SERVICE CONNECTIONS TO BE INSTALLED A DEPTH OF FOUR FEET OR GREATER BELOW THE FROST LINE. CONTRACTOR TO EXPOSE THE SOUTHERLY WATER MAIN TO DETERMINE EXACT DEPTH. IF TOP OF WATER MAIN IS LESS THAN THAT OF THE THE FROST LINE THE WATER SERVICE MAY NEED TO BE TUNNELED BENEATH THE MAIN OR INSULATED PER D.P.I. PROCEDURES. WATER SERVICES TO BE INSTALLED 90 DEGREES TO MAIN AND DIRECTLY INTO DWELLING
  - EXISTING LEAD SERVICE SHOWN ON WATER DEPARTMENT PLANS WITHIN THE FRONTAGE OF LOT 4 TO BE EXPOSED (IF FOUND) SERVICE TO BE TERMINATED AT THE MAIN PER DPI REQUIREMENTS AND A NEW TAP WILL BE REQUIRED INTO THE 36\"/>
  - SERVICES TO BE INSTALLED UTILIZING A 36\"/>



TYPICAL TRENCH DETAILS  
(NOT TO SCALE)

### WATER CONNECTION PLAN

RONALD OLIVEIRA  
PLAN LOT 1,2, & 4 - OLD PLAINVILLE ROAD  
ASSESSORS MAP 14, LOTS 172, 173 & 174  
NEW BEDFORD , MA

**S&K ENGINEERING, LLC**  
P.O. BOX 1338  
WESTPORT, MASSACHUSETTS 02790  
(774) 319 - 5305

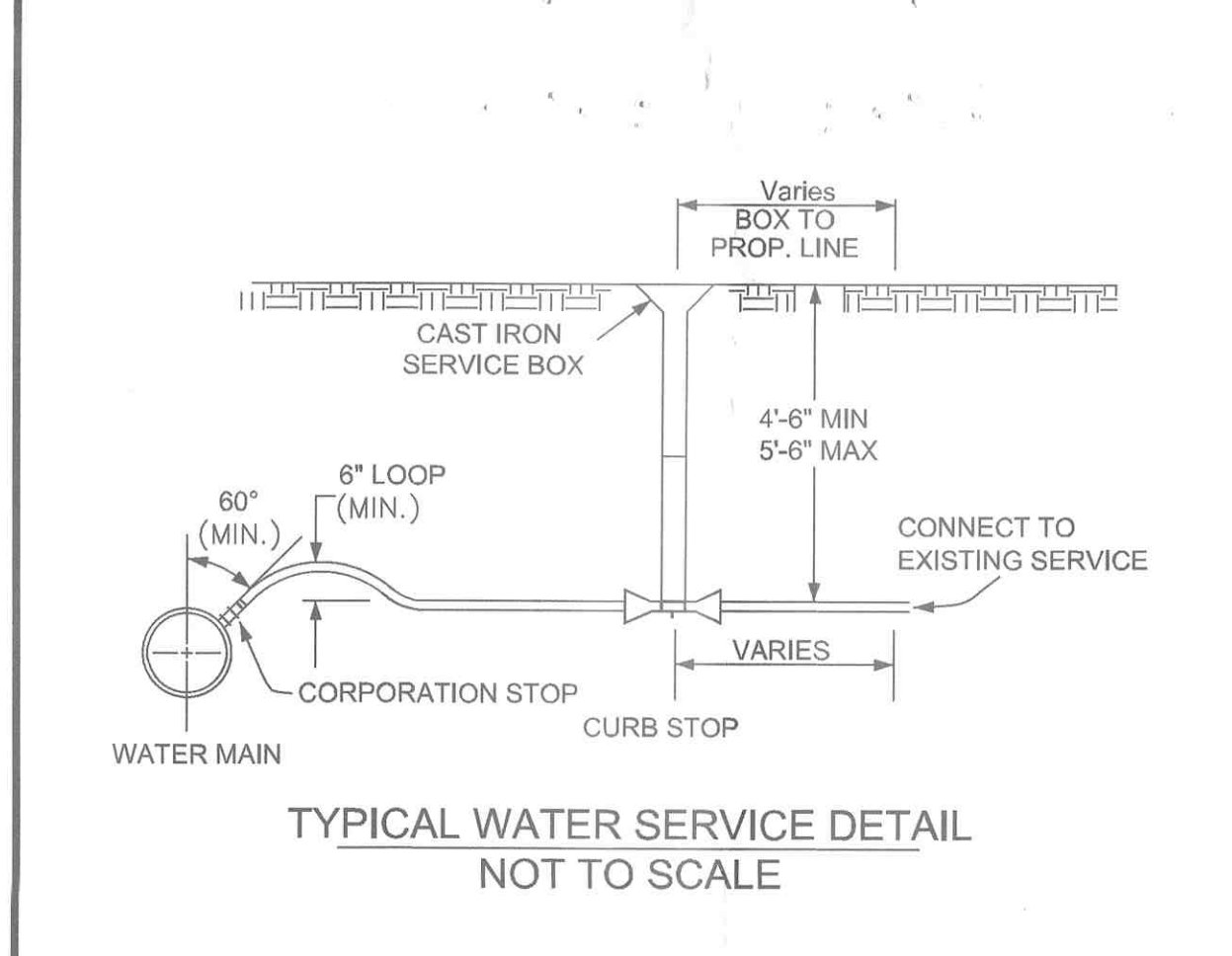
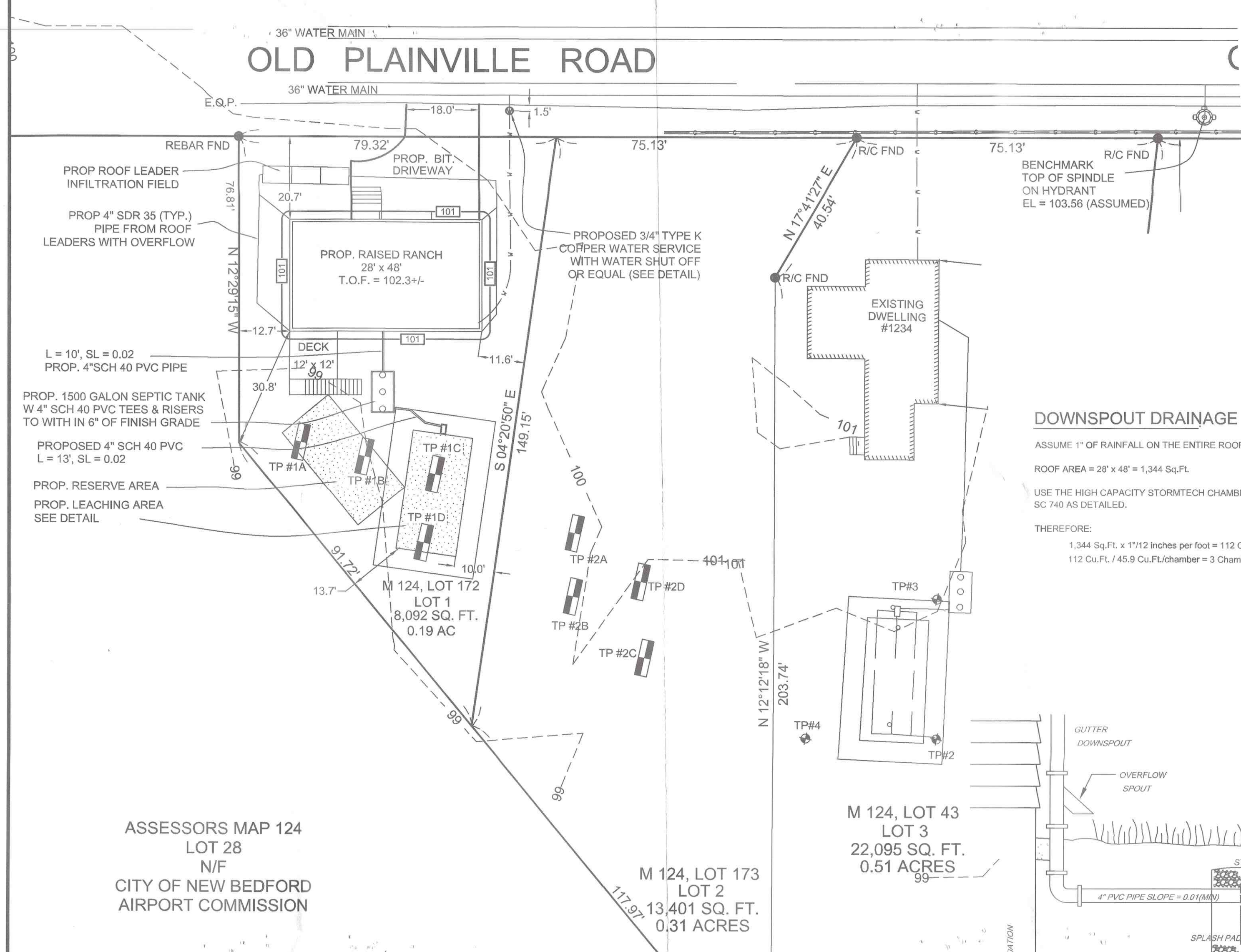
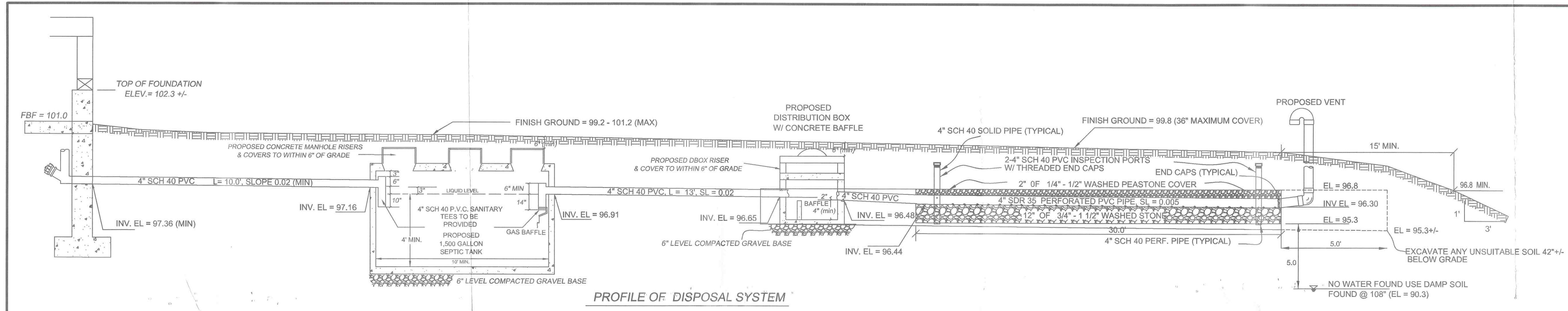
Contact Person: KJS  
Checked By: KJS  
Date: 8/4/2018

REV. NO.	REVISION	BY	DATE
1	PER DPI COMMENTS	KJS	8/4/2018
2	PER DPI COMMENTS	KJS	8/10/2018
3	SADDLE CONNECTIONS PER CONTRACTOR	KJS	8/17/2018

16-075

Kevin J. Silva





**TYPICAL WATER SERVICE DETAIL**  
NOT TO SCALE

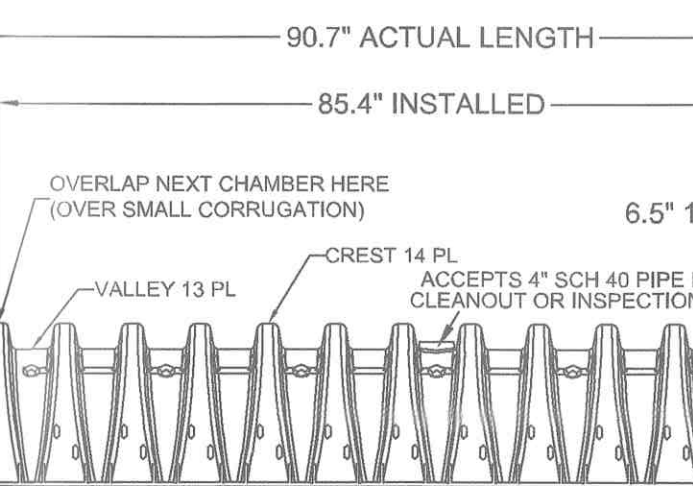
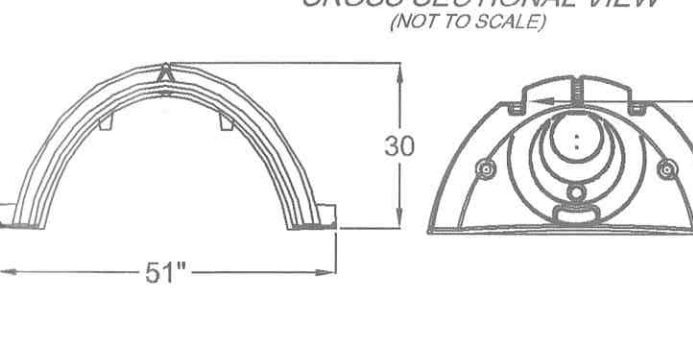
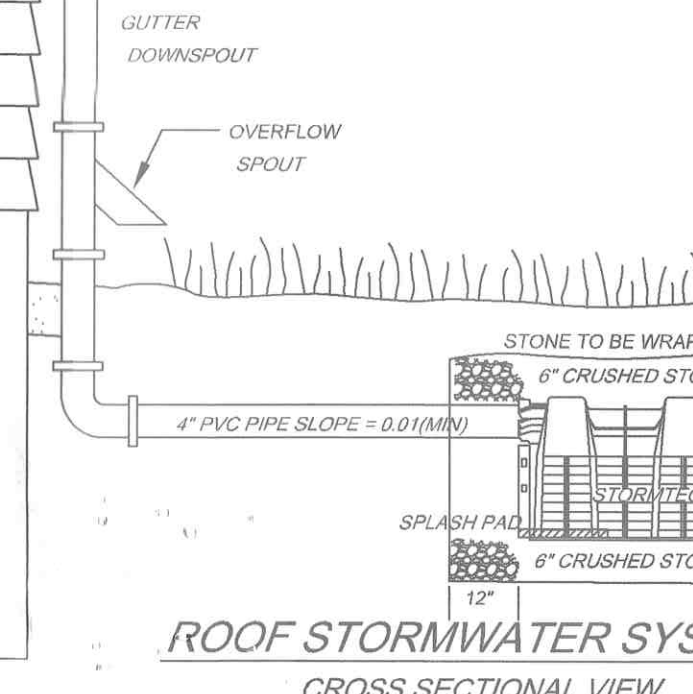
**SITE PLAN**  
Scale 1" = 20'

ASSESSORS MAP 124 LOT 28

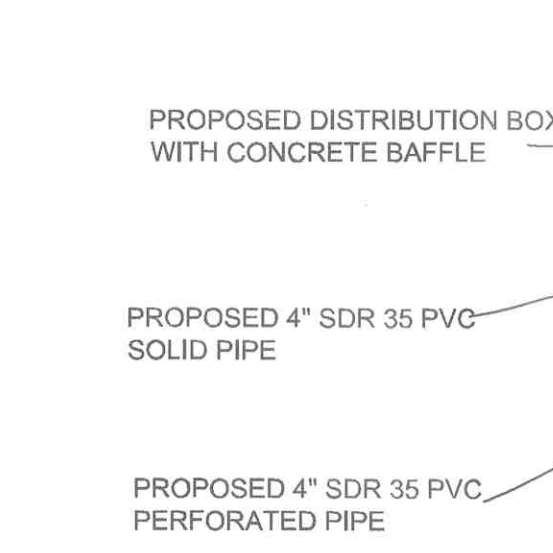
### DOWNSPOUT DRAINAGE DESIGN

ASSUME 1" OF RAINFALL ON THE ENTIRE ROOF AREA.  
ROOF AREA = 28' x 48' = 1,344 Sq.Ft.  
USE THE HIGH CAPACITY STORMTECH CHAMBER SC 740 AS DETAILED.  
THEREFORE:  
1,344 Sq.Ft. x 1712 inches per foot = 112 Cu.Ft.  
112 Cu.Ft. / 45.9 Cu.Ft./chamber = 3 Chamber

However, if contractor finds location and piping to be unfeasible an alternate configuration may be used, with a minimum of 2 unit per downspout leader if separated and a total of 8 chambers.  
All gutters and downspouts to be equipped with Leaf Screens & overflow tube.  
All piping and fittings used to connect to the downspouts are to be 4" SCH 40.  
Gutters, downspouts and rechange system to be inspected and cleaned twice a year (June and December).



PROPOSED 3/4" - 1 1/2" CLEAN DOUBLE WASHED STONE & 1/8" - 1/2" DOUBLE WASHED PEASTONE COVER FREE OF IRON PARTICLES, FINES & DUST



PROPOSED DISTRIBUTION BOX WITH CONCRETE BAFFLE

PROPOSED 4" SDR 35 PVC SOLID PIPE

PROPOSED 4" SDR 35 PVC PERFORATED PIPE

BASIS OF SANITARY DESIGN	
BUILDING USAGE:	3 Bedroom House
TITLE V SEWAGE FLOW:	3 Bedrooms x 110 GPD/Bedroom = 330 GPD
SEPTIC TANK SIZE:	1,500 Gallon
GARBAGE GRINDER:	Not Designed To Accommodate a Garbage Grinder
WASHING MACHINE:	Yes
PERCOLATION RATE:	Test Pit 1A = 2 Min/Inch & Test Pit 1C = 2 Min/Inch
DESIGN RATE:	2 Min/Inch Class I Soil
PROPOSED LEACHING FIELD INFORMATION	
BOTTOM AREA:	15 Ft (width) X 30 Ft (length) = 450 Sq Ft.
DESIGN FLOW PROVIDED:	450 Sq Ft. x .74 GPD/Sq Ft. = 333 GPD
SOIL SUITABILITY ASSESSMENT INFORMATION	
DATE(S):	12/06/2016
PERFORMED BY:	KEVIN SILVA
WITNESSED BY:	GAIL JOSEPH

TP # 1A		TP # 1B	
ELEV. = 98.6	0" (GRD.)	ELEV. = 99.0	0" (GRD.)
ELEV. = 97.6	12"	ELEV. = 98.0	12"
ELEV. = 95.6	36"	ELEV. = 96.0	36"
PERC ELEV. = 93.6	60"	ELEV. = 94.0	60"
ELEV. = 91.4	78"	ELEV. = 92.0	84"
ELEV. = 87.6	132"	ELEV. = 88.0	120"
NO MOTTLERS FOUND NO WATER FOUND		NO MOTTLERS FOUND NO WATER FOUND	
TP # 1C		TP # 1D	
ELEV. = 98.3	0" (GRD.)	ELEV. = 99.2	0" (GRD.)
ELEV. = 98.3	12"	ELEV. = 98.4	10"
ELEV. = 96.5	34"	ELEV. = 96.5	32"
ELEV. = 95.1	50"	ELEV. = 95.0	50"
PERC RATE = 2 MPI		PERC RATE = 2 MPI	
ELEV. = 89.3	120"	ELEV. = 88.2	132"
NO MOTTLERS FOUND DAMP SOIL @ 108" EL. = 90.3		NO MOTTLERS FOUND NO WATER FOUND	

**StormTech**  
Subsurface Stormwater Management  
20 Beaver Road, Suite 104  
Wethersfield, CT 06109  
Phone: 860-392-2694  
Fax: 860-328-8401  
www.stormtech.com  
\* NOTE: CHAMBER SYSTEM DESIGN MUST BE IN ACCORDANCE WITH STORMTECH DESIGN MANUAL

**GENERAL NOTES:**

- THE SANITARY SEWAGE DISPOSAL SYSTEM SHOWN HEREON SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF MOST RECENT AMENDED TITLE V REGULATIONS OF THE STATE ENVIRONMENTAL CODE AND LOCAL BOARD OF HEALTH REGULATIONS. ANY MODIFICATION TO THIS DESIGN MUST BE APPROVED IN WRITING BY THE ENGINEER AND THE LOCAL BOARD OF HEALTH PRIOR TO IMPLEMENTATION.
- NOTIFY THE LOCAL BOARD OF HEALTH & ENGINEER WHEN THE SYSTEM IS READY FOR INSPECTION, PRIOR TO ANY BACKFILLING. IF ENGINEER IS TO CERTIFY FINAL GRADING OVER THE SYSTEM UPON COMPLETION, (48 HOUR ADVANCED NOTICE)
- CONTRACTOR SHALL VERIFY AND CHECK THE BENCHMARK AND ELEVATIONS AS SHOWN ON THIS PLAN PRIOR TO START OF CONSTRUCTION.
- DEEP TEST HOLE INFORMATION INDICATES SOIL CONDITION, PERCOLATION RATE, AND WATER TABLE ELEVATION AT THE TIME AND LOCATION OF ACTUAL TESTING. NO ACTUAL GROUNDWATER ENCOUNTERED AT THE TIME OF TESTING. HOWEVER, THE CONTRACTOR SHALL NOTIFY THE LOCAL BOARD OF HEALTH IF GROUNDWATER OR PERCHED DWELLINGS ARE TO BE WITHIN THE LIMITS OF THE EXISTING LOT CONFIGURATIONS AS SHOWN, OR A CROSS MAINTENANCE/EASEMENT MAY BE REQUIRED.
- UNLESS SPECIFIED IN THE BASIS OF SANITARY DESIGN, THIS SYSTEM IS NOT DESIGNED FOR THE USE OF A GARBAGE GRINDER OR OTHER HIGH WATER USAGE DEVICES.
- ANY FILL MATERIAL, FOUNDATION REMAINS, DEBRIS OR BURIED PIPING ENCOUNTERED ARE TO BE REMOVED AND DISPOSED OF IN A BOARD OF HEALTH APPROVED MANNER. IF ANY BURIED UNKNOWN IS UNCOVERED DURING EXCAVATION, CONTRACTOR TO ENSURE NO CONNECTIONS STILL LIVE OR IN USE BY THE EXISTING DWELLING ON LOT 3 OR ACCESSORY BUILDINGS PRIOR TO REMOVAL. ALL UTILITIES SERVING THE PROPOSED OR EXISTING DWELLINGS ARE TO BE WITHIN THE LIMITS OF THE EXISTING LOT CONFIGURATIONS AS SHOWN, OR A CROSS MAINTENANCE/EASEMENT MAY BE REQUIRED.
- THE PROPOSED SEPTIC TANK SHALL BE 1500 GALLONS MINIMUM, UNLESS OTHERWISE SPECIFIED ON THIS DESIGN PLAN, AND FITTED WITH PVC SCHEDULE 40 INLET TEE AND OUTLET TEE WITH GAS BAFFLE OF PROPER LENGTH. SEPTIC TANK CONSTRUCTION SHALL CONFORM TO 310 CMR 15.226.
- SEPTIC TANK, PUMP CHAMBER (IF ANY) AND DBOX COVERS ARE TO BE BUILT UP TO WITHIN 6" OF THE FINISHED GRADE UNLESS OTHERWISE SPECIFIED ON THIS DESIGN PLAN AND SHALL BE PLACED ON A 6" MINIMUM COMPACTED GRAVEL BASE TO PREVENT HEAVING OR SETTLING.
- ALL PIPING TO BE 4" SCH 40 PVC OR APPROVED EQUAL. ALL JOINTS MUST BE WATERTIGHT, SEALED WITH ASPHALT CEMENT OR OTHER CEMENT SUITABLE FOR THAT SPECIFIC COMPONENT.
- NO HEAVY EQUIPMENT SHALL BE RUN OVER THE COMPONENTS OR THE PREPARED LEACHING AREA DURING INSTALLATION. RUBBER TIRE MACHINERY ARE NOT TO BE DRIVEN OVER THE PREPARED NATURAL SOIL BASE OR SANDSTONE BED DURING SYSTEM INSTALLATION.
- SOIL PREPARATION PROCEDURE FOR THE LEACHING FACILITY AREA SHALL CONFORM TO 310 CMR 15.246 & 15.247. ANY EXCAVATION OF UNSUITABLE MATERIAL DESIGNATED ON THE PLAN SHALL CONFORM TO CONSTRUCTION IN FILL REQUIREMENTS AS OUTLINED IN 310 CMR 15.255 (1-8).
- ANY CLEAN-OUTS AND INSPECTION PORTS SHOWN SHALL EXTEND WITHIN 3" OF FIN. GRADE AND CAPPED WITH A SCH 40 THREADED CLEAN OUT FITTING.
- ANY LEACHING AREA OR PUMP CHAMBER VENTS SHALL BE CONSTRUCTED OF 4" SOLVENT WELD SCH 40 PVC, WITH A 90 DEGREE ELBOWS FORMING A "CANDY CANE" TYPE VENT.
- FOR PROPER PERFORMANCE, THE SEPTIC TANK SHOULD BE INSPECTED ANNUALLY AND WHEN THE SOLIDS AND SCUM DEPTH EXCEEDS 1/3 OF THE LIQUID DEPTH, OR THREE YEARS HAS ELAPSED SINCE THE LAST PUMPING.
- UTILITIES SHOWN HAVE BEEN TAKEN FROM RECORD DRAWINGS AND FROM SURFACE EVIDENCE LOCATED BY AN ON-THE-GROUND SURVEY. NO REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE UTILITIES SHOWN IS MADE BY THE SURVEYOR/ENGINEER. VERIFICATION OF UTILITIES AND LOCATIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR WITH THE AID OF DIG SAFE AND OTHER RESPECTIVE UTILITY COMPANIES.
- AREA IS SERVED BY MUNICIPAL WATER, ANY WELLS FOUND WITHIN 100' OF THE PROP. LEACHING AREA ARE SHOWN OR TAKEN FROM PLANS OF RECORD.
- ALL COMPONENTS OF THE SEPTIC SYSTEM ARE TO BE MARKED WITH A MAGNETIC TAPE CAPABLE OF BEING DETECTED BY A METAL DETECTOR.
- THE PROPOSED WORK IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD ZONE AS DELINEATED ON FEMA FLOOD INSURANCE RATE MAP.
- TOPOGRAPHIC SURVEY CONTROL TAKEN FROM PLAN AS PREPARED BY KENNETH R. FERREIRA ENGINEERING AND SUPPLIED TO THIS OFFICE.

**ZONING REQUIREMENTS:**

ZONING IS RB - RESIDENCE B (TWO FAMILY)

**SETBACK REQUIREMENTS:**

MINIMUM LOT FRONTAGE	75.00' (100.00')	MINIMUM FRONT YARD	20.00'
MINIMUM TOTAL AREA	8,000 sq. ft. (10,000 sq.ft.)	MINIMUM SIDE YARD	10.0' & 12.0'
MAXIMUM % LOT COVERAGE	30% (Required)	REAR YARD =	30.00'
	24+1% (PROVIDED)		

**LOCUS MAP (n.t.s.)**

**BOARD OF HEALTH STAMPS**

**BUILDING PERMIT PLAN & SEPTIC SYSTEM DESIGN PLAN**

**RONALD OLIVEIRA**  
PLAN LOT 1 - OLD PLAINVILLE ROAD  
ASSESSORS MAP 124, LOT 172  
NEW BEDFORD, MA

**S&K ENGINEERING, LLC**  
P.O. BOX 1338  
WESTPORT, MASSACHUSETTS 02790  
(774) 319 - 5305

Contact Person: KJS  
Checked By: KJS  
Date: 1/20/2017

REV. NO.	REVISION	BY	DATE
1	PER DPH COMMENTS	KJS	11/14/17

16-075.1