

SERVICE 34088

New Service:

NEW BEDFORD WATER WORKS

APPLICATION FOR SERVICE AND METER

NEW BEDFORD

6-23-2020

expires 6-23-2021

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

1" inch copper meter at 40 Fishermen's Wharf

Pipe 3 - CLAM Shack

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. 53

J. 120

TELEPHONE

City of N.B. Bldg

133 William St
N.B. MA,

Service laid Behind Wharfing Bldg

Size and kind of pipe

From Contractor: DFI

Turned on 0

Meter Set

Reading

Location

Building rates

Paid

Cost of Service

N/C -

Paid

31-727

Didn't find #40
in view permit

Service install by City of New Bedford

Nearest street to box Macarthur Dr	
E X Curb ar RR track	123'
Other location to box S x Main	50'
Property line to box E X line gate	49'
Corner of building to box S X N line build	14.5'
Corner of building to NxS line build	1.5'
House to box W X W line build	3'
Main to build line	35'
Pipe inside property	75'

Meter dropped off on 6/30/2020

- Fine Supply

SERVICE 34087

NEW BEDFORD WATER WORKS
APPLICATION FOR SERVICE AND METER

NEW BEDFORD 6-15-2020

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 6" inch D.I. meter at 1569 Airport Rd.

- Airport Grille -

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.

Contractor: W.C. Smith

P.123 L.3

owner info
owner must sign
TELEPHONE (508) 991-6161

Signature
David Slutz Print
1569 Airport Rd
01810 MA

Service laid _____ Size and kind of pipe _____
From _____ St. _____
Turned on _____ Meter Set _____
Reading _____ Location _____
Building rates _____ Paid _____
Cost of Service \$465 ch# 5272. Paid _____
31-727

CASH ONLY IF ALL CheckLock™ SECURITY FEATURES LISTED ON BACK INDICATE NO TAMPERING OR COPYING

Airport Grille, LLC
1569 Airport Road
New Bedford, MA 02746

BayCoast Bank
23 Elm Street
New Bedford, MA 02740
53-7223/2113

5272

PAY TO THE
ORDER OF

CITY OF NEW BEDFORD

FOUR HUNDRED AND SIXTY FIVE DOLLARS

\$465.00

DOLLARS

MEMO

PERMIT

TBoe L

005272 1211 2239 8410155311

Details on Back

Intuit® CheckLock™ Secure Check

5/14/2020

Should any new plans be received for review for this location please also inform Stephanie Crampton.

5/19/2020

Manny said new plans are to come. holding for new plans
all old maps ~~now~~ moved to hold rack @ amanda desk.

6-15-20

Chewie sent in mail to airport grill to sign

6-16-20

i call # no answer talked to eve to see if he has
another contact number / email
email permits (obstruction + disturbance) to eve they are not
signed

6-17-20

David Slutz signed card.

Gave copy to Diane.
Put in New Service

- Owner to come to office 6-17-2020 to sign water card.

- make a copy for owner of the check and water permit once signed



Department of Public Infrastructure

Jamie Ponte
Commissioner

Water
Wastewater
Highways
Engineering
Cemeteries
Park Maintenance
Forestry
Energy

CITY OF NEW BEDFORD

Jonathan F. Mitchell, Mayor

To Whom It May Concern:

I Scot Servus 1569 Airport Rd, New Bedford, being
(Name) (Mailing Address)

Owner of property located at

Plot 123, Lot 3, hereby agree to allow _____
(Name)

_____, to act on my behalf including affixing my
(Mailing Address)

signature in securing permit for:

Sewer/Drain Service Permits

Water Service Permits

Driveway Installation Permits

Sidewalk Installation Permits

FIRE/TIE IN

I further agree to conform to, and abide by, All City rules and ask regulations applicable to the permit (s) being applied for:

Name [Signature]
Signature

1569 Airport Rd, New Bedford
Address

4-14-2020 508-991-6161 (63030)
Date Telephone Number



FIRE SYSTEM NARRATIVE

Airport Grill
1569 Airport Road
New Bedford, MA

Section 1 - Building Description

Project involves adding additional exterior seating areas to the above restaurant. The proposed exterior patio area will be used for seasonal use. The added seating provides for over 100 patrons thus requiring the proposed sprinkler system. A new 6" city water main will be brought into the building, by a site contractor, to supply the new system.

- Type of Construction: 2B
- Type of Occupancy: Group A Assembly
- Hazardous Materials: None
- Site Access - Direct fire department access.

Section 2 - Applicable Laws, Regulations and Standards

- Fire Suppression System Requirements- 780 CMR Section 903.2.
- Fire Standpipe System Requirements- None Required. Highest floor elevation is less than 30' above the lowest exterior grade around the building.
- Fire Alarm Detection and Notification System (to be installed by others)
- M.G.L. Chapter 148, Section 26G applies [e] 527 CMR - Regulatory Sections Apply
- Local Approved By-laws - None Applicable
- Elevator Code- Not-Applicable
- Federal Laws- None Applicable



Section 3 - Fire Suppression Engineer of Record

- Mr. Richard D. Cummings P.E. MA Registered Professional Engineer registration #49023 has fully designated the fire suppression system design requirements for **Tier Two Construction Documents** as required by 780 CMR, Section 901.2.1. The Sprinkler Contractor may produce shop drawings for installation purposes if he/she so desires. A fire alarm system is not the responsibility of this design engineer.

Section 4 - Fire Suppression System

- Building Area: 3,232 SF
- The entire building is heated.
- A fire department connection will be installed as detailed.
- System design based on NFPA 13.

Section 5 - Design Intent

- Intent of Sprinkler System Design- Control/extinguish fire throughout the structure. Allow building occupants sufficient time to escape and/or be rescued.
- Restaurant Seating areas: Light Hazard 0.10/1500
- Kitchen Area: Ordinary Hazard Group I 0.15/1500
- Intent of Fire Alarm System - Notification of the New Bedford Fire Department and building occupants of an emergency in the building.
- Systems to be maintained per the requirements of 780 CMR, NFPA-25, NFPA-72, and the New Bedford Fire Department.

Section 6 -Sequence of Operation

- The sprinkler system will be a wet pipe. Activation of a sprinkler in the building will operate the wet system main flow switch and the fire alarm control panel (FACP). The device type and location will be displayed at the FACP. An alarm condition will be transmitted to the fire department; all building audio/visual notification devices will be activated.
- Closure of any fire suppression system control valve will operate a valve tamper switch activating a trouble condition in the FACP. The device type and location will be displayed at the FACP and the remote annunciator. Building notification devices will not be activated.

Section 7- Testing Criteria

- The sprinkler contractor to hydrostatically test the new work in accordance with NFPA to the static pressure.
- The owner shall contractually engage a licensed sprinkler contractor to perform regular system maintenance and testing as required by 780 CMR and NFPA-25.

Section 8 -Approval Requirements

- Provision of spare heads, spare sprinkler cabinet, sprinkler wrenches, and list per **NFPA-13** requirements of contents of cabinet.

HYDRAULIC CALCULATIONS

COVER SHEET

AIRPORT GRILL 1569 AIRPORT ROAD NEW BEDFORD, MA

WATER SUPPLY

STATIC PRESSURE (psi) 68
RESIDUAL PRESSURE (psi) 62
RESIDUAL FLOW (gpm) 766

BOOSTER PUMPS

NUMBER OF BOOSTER PUMPS 0

SPRINKLERS

MAXIMUM SPACING OF SPRINKLERS (ft) 12
MAXIMUM SPACING OF SPRINKLER LINES (ft) 14
SPECIFIED DISCHARGE DENSITY (gpm/sq. ft.) .1

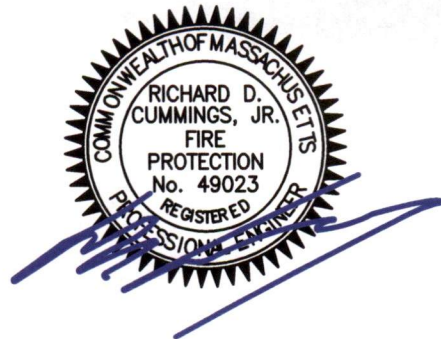
THIS SPRINKLER SYSTEM WILL DELIVER A DENSITY OF .1 gpm/sq. ft.
FOR A DESIGN AREA OF 1500 SQ. FT. OF FLOOR AREA

THIS SYSTEM OPERATES AT A FLOW OF 232.51 gpm AT A PRESSURE OF 29.50 psi
AT THE BASE OF THE RISER (REF. PT. 2)

PIPES USED FOR THIS SYSTEM

=====

111 DUCTILE IRON (350)
002 SCHEDULE 10
001 SCHEDULE 40



HYDRAULIC CALCULATIONS AT SPECIFIED DENSITY

THE FOLLOWING SPRINKLERS ARE OPERATING IN:

☐ TEST AREA 1 ☐ TEST AREA 2 ☐ TEST AREA 3 ☐ REMOTE AREA

Elevation of sprinklers = Elevation above water test.

REF. PT.	K	ELEV. ft	FLOW gpm	PRESSURE psi
100	5.60	9.00	17.85	10.16
101	5.60	9.00	17.79	10.09
102	5.60	9.00	17.20	9.43
103	5.60	9.00	17.14	9.36
104	5.60	9.00	16.88	9.08
105	5.60	9.00	16.82	9.02
106	5.60	9.00	16.85	9.05
107	5.60	9.00	16.80	9.00
108	5.60	9.00	18.70	11.15
109	5.60	9.00	19.31	11.89
110	5.60	9.00	18.63	11.06
111	5.60	9.00	19.15	11.70
112	5.60	9.00	19.40	12.00

THE SPRINKLER SYSTEM FLOW IS 232.51 gpm

THE OUTSIDE HOSE FLOW AT REFERENCE POINT NO. 1 IS 100.00 gpm

☐ THE INSIDE HOSE ☐ RACK SPKLR'S.

☐ YARD HYDT. FLOW IS 0.00 gpm

THE MINIMUM DENSITY PROVIDED BY THIS SYSTEM IS 0.100 gpm/sq. ft.

THE FOLLOWING PRESSURES & FLOWS OCCUR

---> AT REF. PT. 1 <---

STATIC PRESSURE	68.00 psi	
RESIDUAL PRESSURE	62.00 psi	AT 766.00 gpm
TOTAL SYSTEM FLOW	332.51 gpm	
AVAILABLE PRESSURE	66.72 psi	AT 332.51 gpm
OPERATING PRESSURE	29.78 psi	AT 332.51 gpm
PRESSURE REMAINING	36.94 psi	

THE ABOVE RESULTS INCLUDE 4.00 psi FRICTION LOSS AT REF. PT. # 2 FOR A

☐ BACKFLOW PREVENTER

☐ METER

☐ DETECTOR CHECK VALVE

☐ OTHER DEVICE

FITTING Equivalent Length per NFPA 13 1994, 6-4.3

'-' Indicates Equivalent Length. 'T' Indicates Threaded Fitting

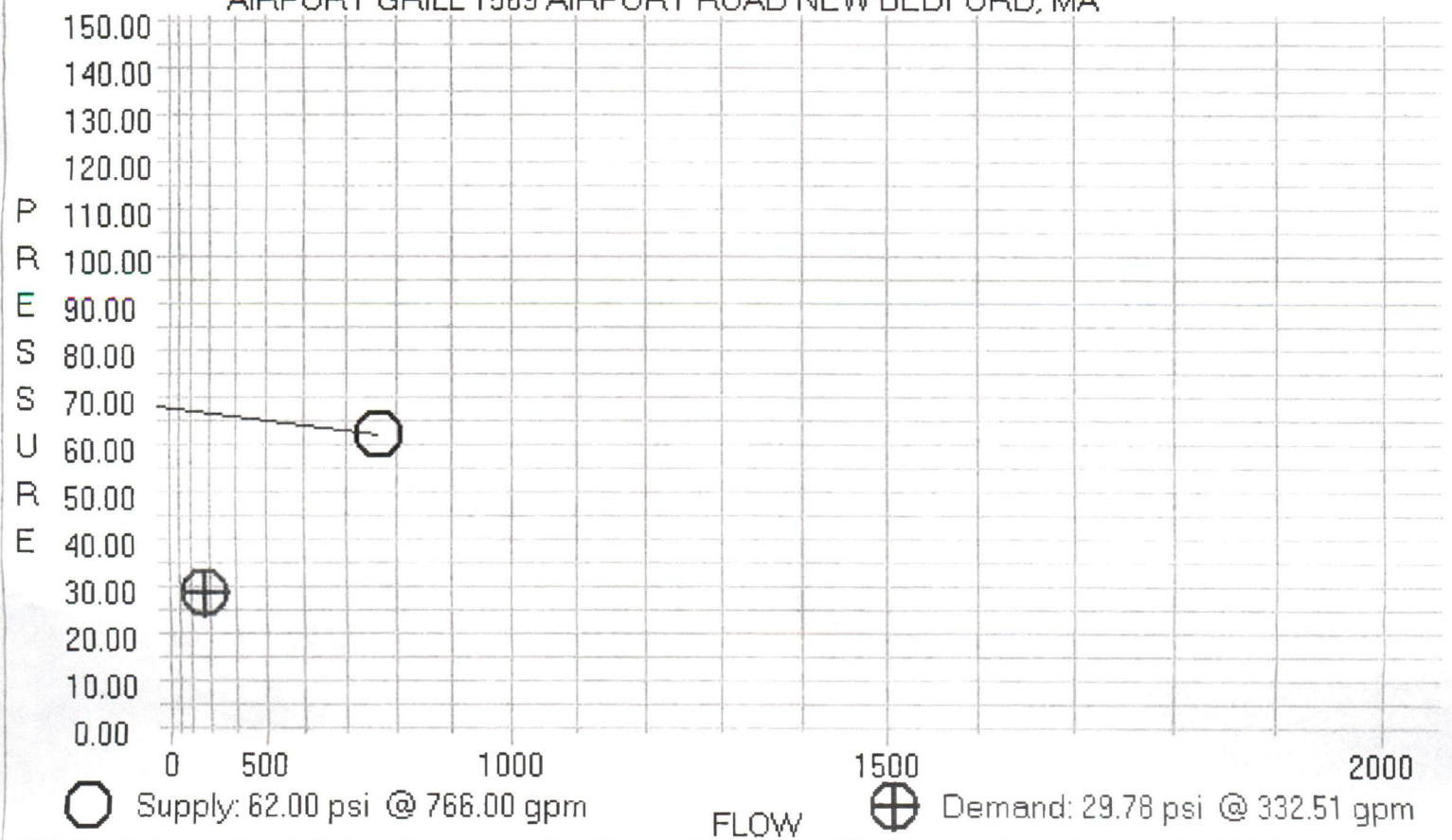
1=45 Elbow, 2=90 Elbow, 3='T'/Cross, 4=Butterfly Valve, 5=Gate Valve, 6=Swing Check Valve

FROM	TO	FLOW (gpm)	PIPE (ft)	FITS	EQV. (ft)	H-W C	PIPE TYPE	DIA. (in)	FRIC. (psi)	ELEV. (psi)	FROM (psi)	TO (psi)	DIFF (psi)
1	2	232.51	100.00	32225	103.69	140	111	6.400	0.001	0.000	29.78	29.50	0.28
2	3	232.51	3.00	0	0.00	120	2	3.260	0.049	1.300	29.50	24.05	4.15
3	4	232.51	4.00	5	1.34	120	2	3.260	0.049	2.600	24.05	21.19	0.26
4	11	232.51	30.00	2222	26.80	120	2	3.260	0.049	0.000	21.19	18.38	2.81
11	12	232.51	20.00	32	24.12	120	2	3.260	0.049	0.000	18.38	16.23	2.15
12	13	232.51	16.00	3	17.42	120	2	3.260	0.049	0.000	16.23	14.60	1.63
13	14	193.80	7.00	0	0.00	120	2	3.260	0.035	0.000	14.60	14.38	0.22
14	15	174.65	8.00	0	0.00	120	2	3.260	0.029	0.000	14.38	14.18	0.20
15	16	105.87	8.00	0	0.00	120	2	3.260	0.011	0.000	14.18	14.08	0.09
13	112	19.40	17.00	3	4.20	120	1	1.049	0.123	0.000	14.60	12.00	2.60
13	28	19.31	4.00	3	7.94	120	2	1.682	0.012	0.000	14.60	14.47	0.13
28	109	19.31	17.00	3	4.20	120	1	1.049	0.122	0.000	14.47	11.89	2.58
14	29	19.15	12.00	0	0.00	120	2	1.682	0.012	0.000	14.38	14.23	0.14
29	111	19.15	17.00	3	4.20	120	1	1.049	0.120	0.000	14.23	11.70	2.54
15	20	68.78	6.00	3	7.94	120	2	1.682	0.128	0.000	14.18	12.39	1.79
16	21	68.54	6.00	3	7.94	120	2	1.682	0.127	0.000	14.08	12.31	1.78
20	22	50.93	12.00	0	0.00	120	2	1.682	0.074	0.000	12.39	11.51	0.88
21	23	50.75	12.00	0	0.00	120	2	1.682	0.073	0.000	12.31	11.43	0.88
22	24	33.73	12.00	0	0.00	120	2	1.682	0.034	0.000	11.51	11.09	0.42
23	25	33.62	12.00	0	0.00	120	2	1.682	0.034	0.000	11.43	11.01	0.42
24	26	16.85	2.00	0	0.00	120	2	1.682	0.009	0.000	11.09	11.06	0.03
25	27	16.80	2.00	0	0.00	120	2	1.682	0.009	0.000	11.01	10.99	0.02
20	100	17.85	17.00	3	4.20	120	1	1.049	0.105	0.000	12.39	10.16	2.23
21	101	17.79	17.00	3	4.20	120	1	1.049	0.105	0.000	12.31	10.09	2.22
22	102	17.20	17.00	3	4.20	120	1	1.049	0.098	0.000	11.51	9.43	2.08
23	103	17.14	17.00	3	4.20	120	1	1.049	0.098	0.000	11.43	9.36	2.07
24	104	16.88	17.00	3	4.20	120	1	1.049	0.095	0.000	11.09	9.08	2.01
25	105	16.82	17.00	3	4.20	120	1	1.049	0.094	0.000	11.01	9.02	2.00
26	106	16.85	17.00	3	4.20	120	1	1.049	0.095	0.000	11.06	9.05	2.00
27	107	16.80	17.00	3	4.20	120	1	1.049	0.094	0.000	10.99	9.00	1.99
16	30	37.32	4.00	3	7.94	120	2	1.682	0.041	0.000	14.08	13.57	0.51
30	31	18.63	8.00	0	0.00	120	2	1.682	0.011	0.000	13.57	13.48	0.10
30	108	18.70	17.00	3	4.20	120	1	1.049	0.115	0.000	13.57	11.15	2.43
31	110	18.63	17.00	3	4.20	120	1	1.049	0.114	0.000	13.48	11.06	2.41

A MAX. VELOCITY OF 9.93 ft./sec. OCCURS BETWEEN REF. PT. 15 AND 20

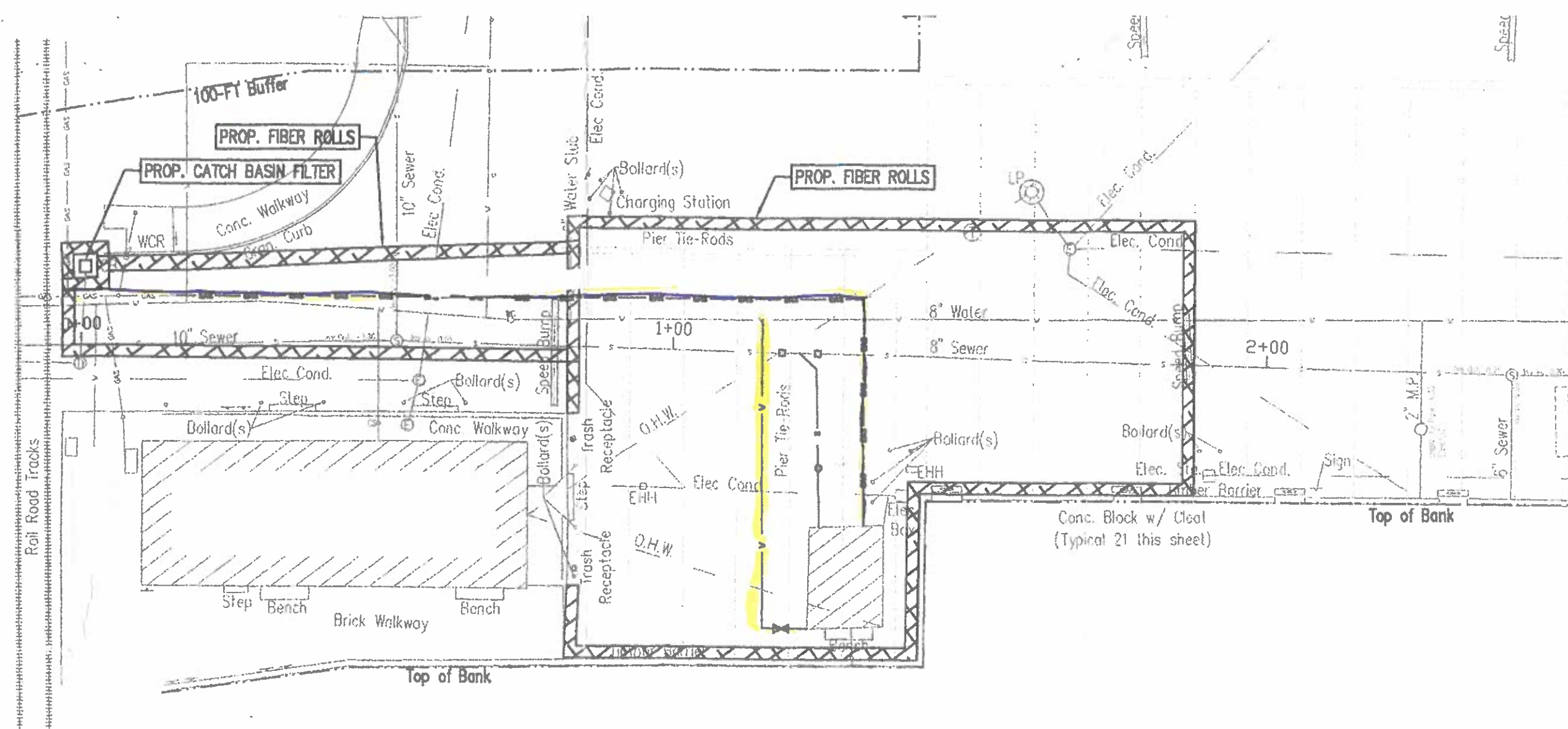
Sprinkler-CALC Release 7.2 Win
 By Walsh Engineering Inc.
 North Kingstown R.I. U.S.A.

WATER SUPPLY/DEMAND GRAPH
AIRPORT GRILL 1569 AIRPORT ROAD NEW BEDFORD, MA



Sprinkler-CALC 7.2 Win

MACARTHUR DRIVE



Sheet

NOTES

HORIZONTAL DATUM - MASSACHUSETTS STATE PLANE-COORDINATION SYSTEM (NAD83)

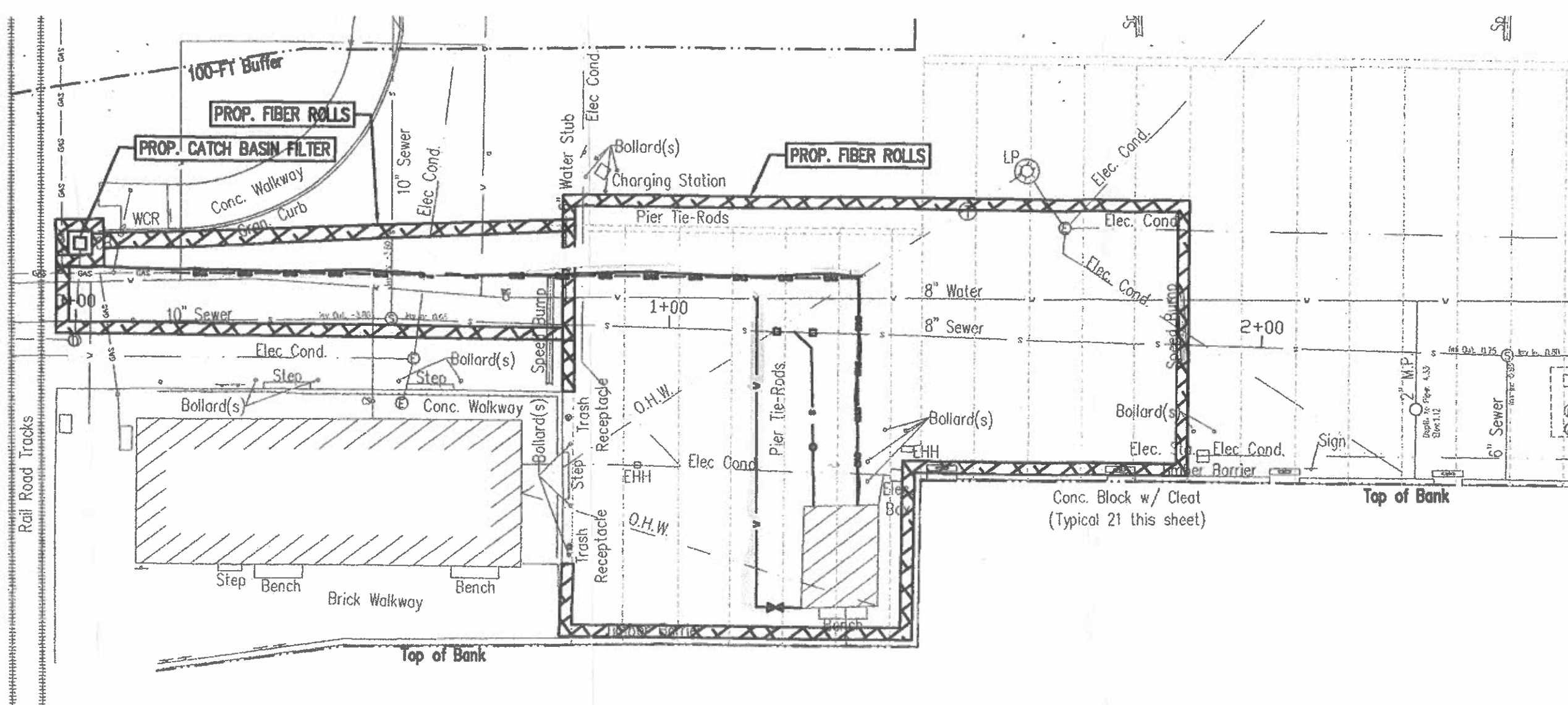
VERTICAL DATUM - NAVD88

THE ENTIRE PROJECT IS WITHIN ZONE AE (ELEV 6)

MEAN HIGH WATER (MHW): 2.06

MEAN LOW WATER (MLW): -1.50

MACARTHUR DRIVE



NOTES

HORIZONTAL DATUM - MASSACHUSETTS STATE PLANE-COORDINATION SYSTEM (NAD83)

VERTICAL DATUM - NAVD88

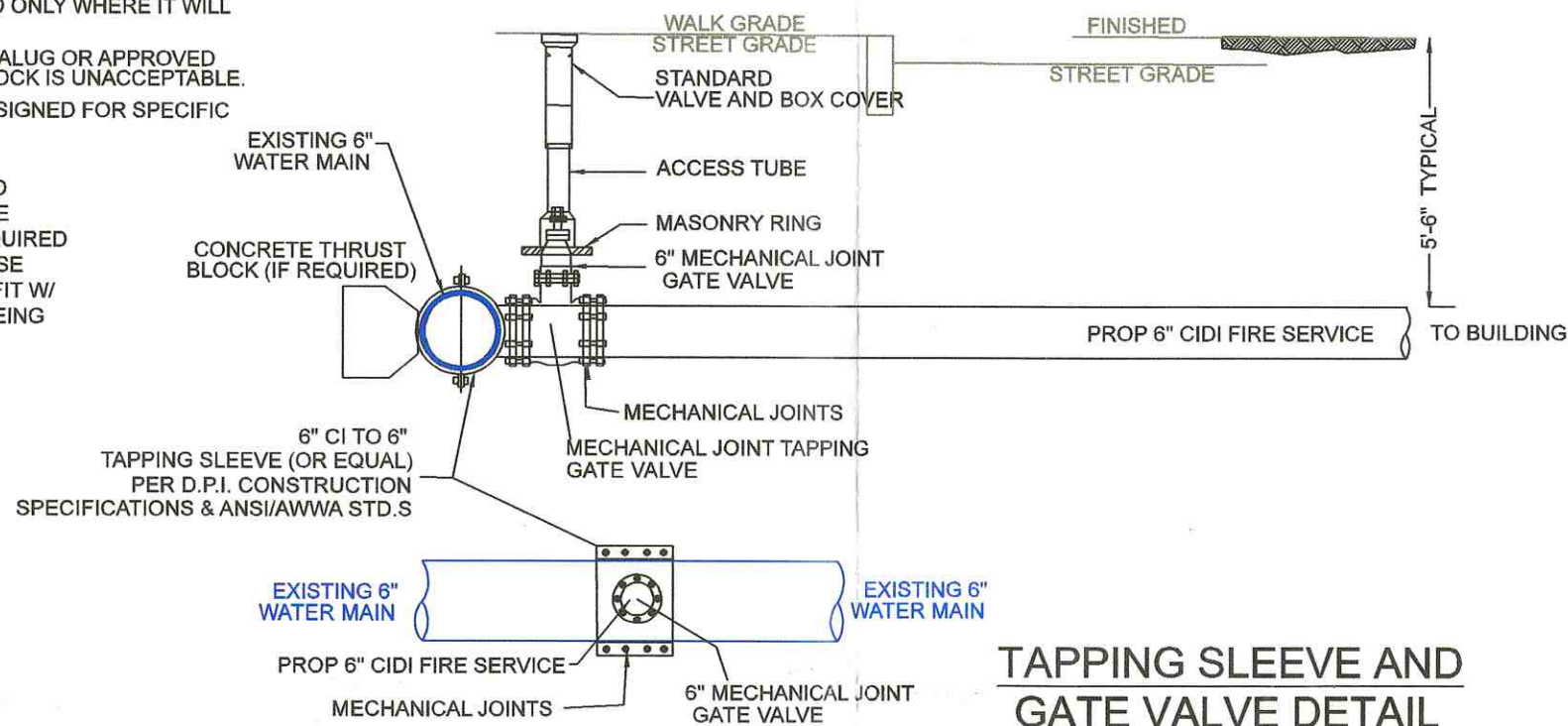
THE ENTIRE PROJECT IS WITHIN ZONE AE (ELEV 6)

MEAN HIGH WATER (MHW): 2.06

MEAN LOW WATER (MLW): -1.50

TOP OF COASTAL BANK (---) IS DENOTED AS THE TOP OF THE PIER TIMBER BARRIER ELEV. 6.3

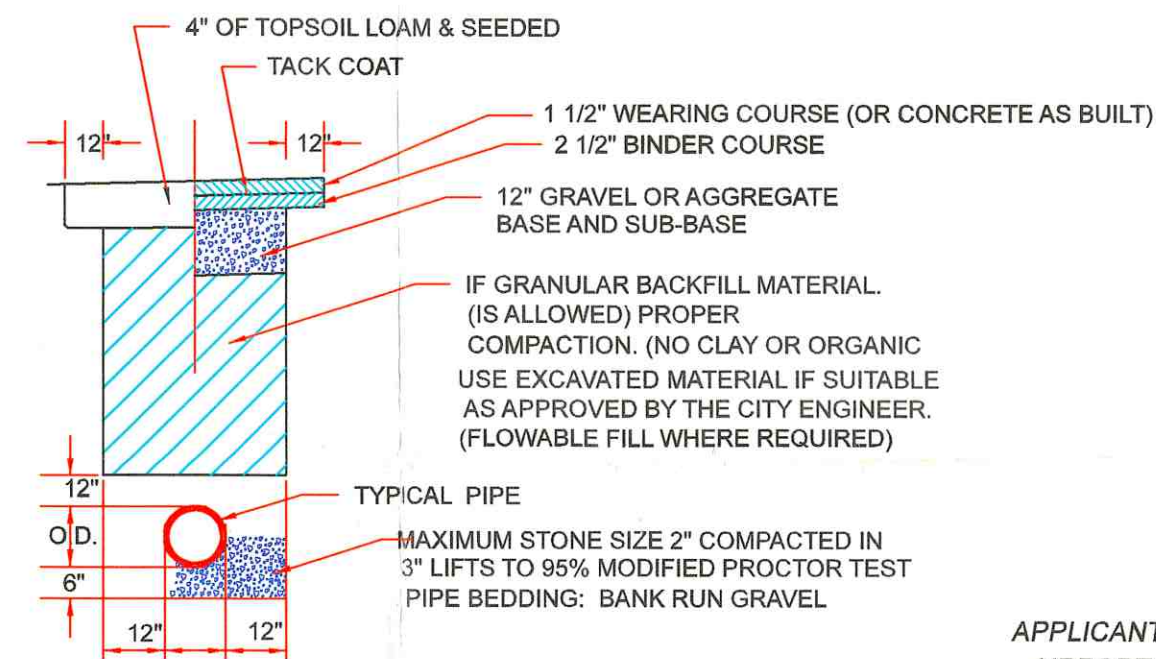
NOTES:
 CONCRETE THRUST BLOCK TO BE USED ONLY WHERE IT WILL BEAR ON UNDISTURBED EARTH.
 USE RESTRAINED JOINT FITTINGS (MEGALUG OR APPROVED EQUAL) WHERE CONCRETE THRUST BLOCK IS UNACCEPTABLE.
 SIZE OF BLOCK OR MEGALUG TO BE DESIGNED FOR SPECIFIC CONDITIONS.
 *** WATER TAP NOTE: CONTRACTOR TO NOTIFY D.P.I. OF TIME AND DATE OF PIPE EXPOSURE AND COORDINATE ANY REQUIRED INSPECTIONS. CONTRACTOR TO EXPOSE MAIN AND CONFIRM SLEEVE SIZE AND FIT W/ INSPECTOR (IF REQUIRED) PRIOR TO BEING TAPPED.



TAPPING SLEEVE AND GATE VALVE DETAIL
 NOT TO SCALE

GENERAL NOTES

1. SITE IS SHOWN AS LOT 3 ON NEW BEDFORD ASSESSORS MAP 123.
2. 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.
3. ALL CONSTRUCTION MATERIALS AND INSTALLATION METHODS TO CONFORM TO THE CITY OF NEW BEDFORD DEPARTMENT OF PUBLIC INFRASTRUCTURE SPECIFICATIONS AND THE COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS CONSTRUCTION STANDARDS, AS MOST RECENTLY AMENDED.
4. CONTRACTOR SHALL KEEP RECORDS OF LOCATIONS FOR ALL UNDERGROUND UTILITIES INSTALLED FOR USE IN COMPILING AN AS-BUILT SITE PLAN.
5. CONTRACTOR TO VERIFY CHECK LOCATION AND ELEVATIONS (IF ANY) 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 7 FEES ASSOCIATED W/ COMPLETION OF THE WORK.
6. ANY LAWN AREA DISTURBED DURING CONSTRUCTION TO BE LOAM AND SEEDED AFTER PROPER BACKFILLING SEE DETAIL. ALL TRENCHES WITHIN THE EXISTING PAVEMENT TO BE REPAIRED AS PER DETAIL AND CITY D.P.I. REQUIREMENTS FOR TRENCHES WITHIN STREET.
7. LOCUS IS CURRENTLY SERVICED BY MUNICIPAL WATER AND SEWER PER OCCUPANT AND RESULTS OF DYE TEST BY OTHERS. OLD SEPTIC SYSTEM COMPONENTS FOUND, APPEAR TO NOT BE IN USE. HOWEVER, IT IS RECOMMENDED THE SYSTEM BE FILLED AND ABANDONED IN A BOARD OF HEALTH APPROVED MANNER IF NOT IN USE.
8. CONTRACTOR IS TO COORDINATE WITH THE PLUMBER AND BE SURE ALL INTERIOR PLUMBING FOR THE NEW FIRE SERVICE LINE IS RELOCATED AND CONNECTED. CONTRACTOR SHALL GET WRITTEN APPROVAL FROM D.P.I. PRIOR TO START AND FOR ANY FIELD CHANGES.
9. PROPOSED 4" UNDERGROUND FIRE SERVICE TO BE INSTALLED 66" BELOW GRADE (48" MIN.) BELOW THE FROST LINE).
10. REFER TO FIRE SPRINKLER SYSTEM SIZE, NOTES AND DETAILS AS DESIGNED BY PIPING SYSTEMS INC., AS SUPPLIED TO THIS OFFICE.



TYPICAL TRENCH DETAILS
 (NOT TO SCALE)

APPLICANT:
 AIRPORT GRILLE
 1569 AIRPORT ROAD
 NEW BEDFORD, MA 02746

OWNER:
 CITY OF NEW BEDFORD
 AIRPORT COMMISSION
 131 WILLIAM ST
 NEW BEDFORD, MA 02740

FIRE SERVICE LOCATION PLAN

AIRPORT GRILLE
1569 AIRPORT ROAD
ASSESSORS MAP 123, LOT 3
NEW BEDFORD, MA

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



Kevin J. Silva

DATE	REVISION	BY
DATE: 6/5/2020	DESIGNED BY:	
SCALE: AS NOTED	CHECKED BY:	
DRAWN BY: KJS	JOB No: 20-001	

SITE PLAN
 (SCALE 1"=20')

