

ASSESSORS REFERENCE
MAP 11 - LOT 006E

SITE ADDRESS
86-88 MIDDLE STREET
FAIRHAVEN, MA 02719

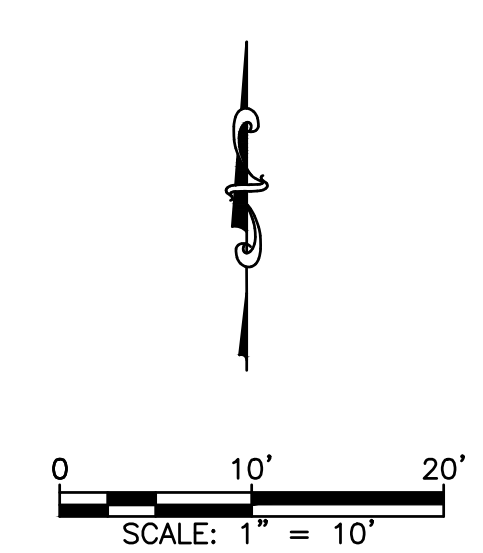
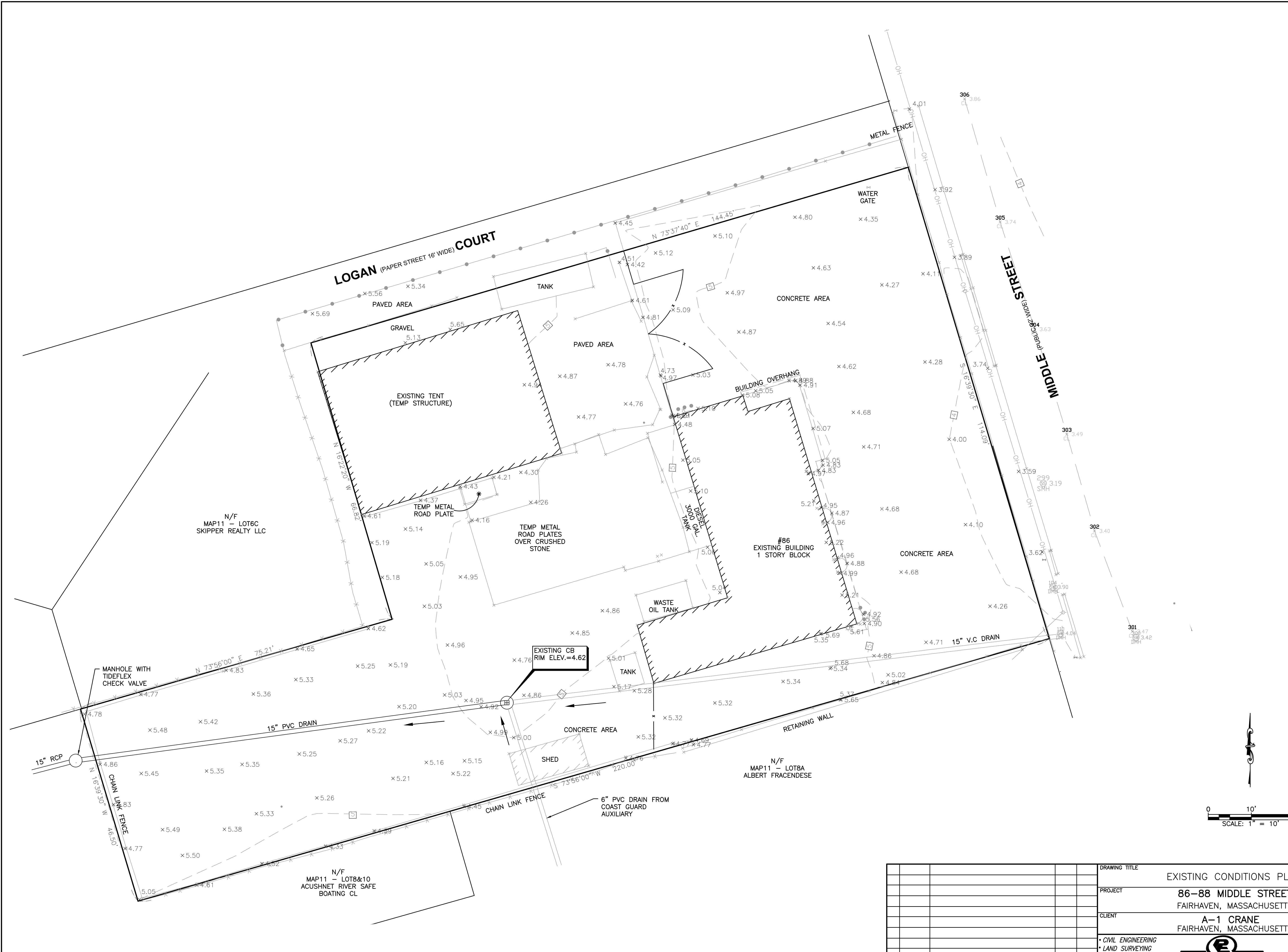
CURRENT OWNER
MIDDLE STREET TRUCKING, LLC.
86-88 MIDDLE STREET
FAIRHAVEN, MA 02719

DEED REFERENCE
BK. 13885 - PG. 272

PLAN REFERENCES
PLAN "PLOT PLAN, ASSESSORS MAP
11/LOT006E" DRAWN BY CRAWFORD LAND
SURVEYING DATED 12/9/2018
(UNRECORDED)
LC. 6255C
PB. 109 - PG. 86

VERTICAL DATUM SHOWN
NAVD88

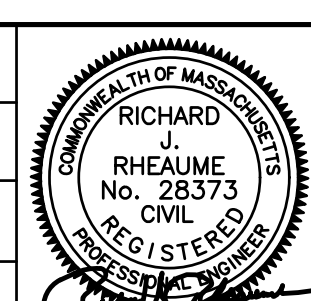
FEMA FLOODZONE DESIGNATION
ZONE AE, WITH A BASE FLOOD EL=6FT AS
SHOWN ON F.E.M.A. FLOOD INSURANCE
RATE MAP FOR THE TOWN OF FAIRHAVEN,
MA, BRISTOL COUNTY, COMMUNITY PANEL
NO. 25005C0393G HAVING AN EFFECTIVE
DATE OF 7/16/2014.

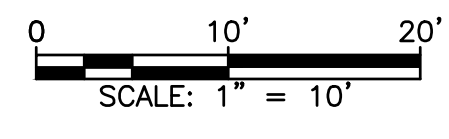
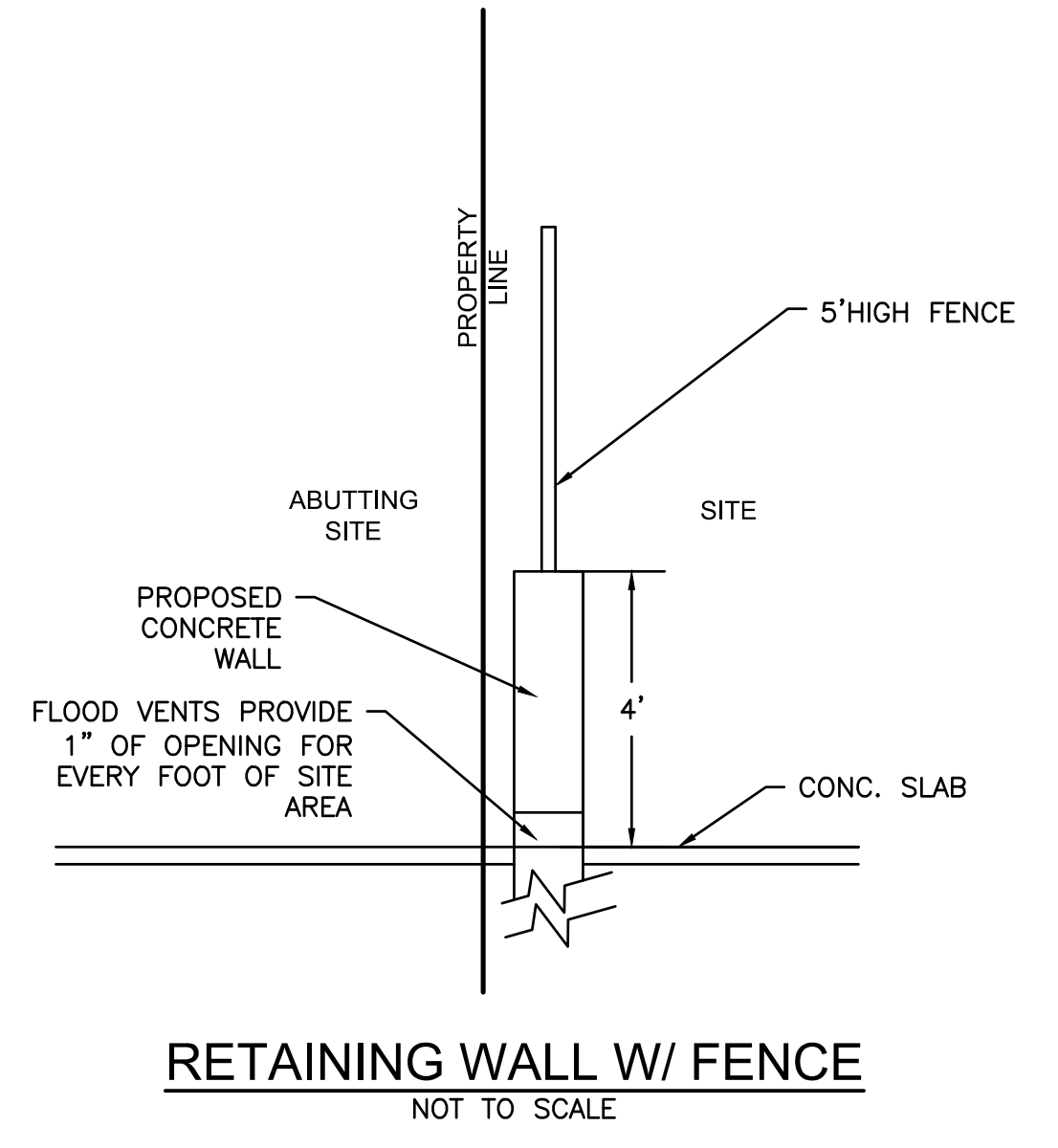
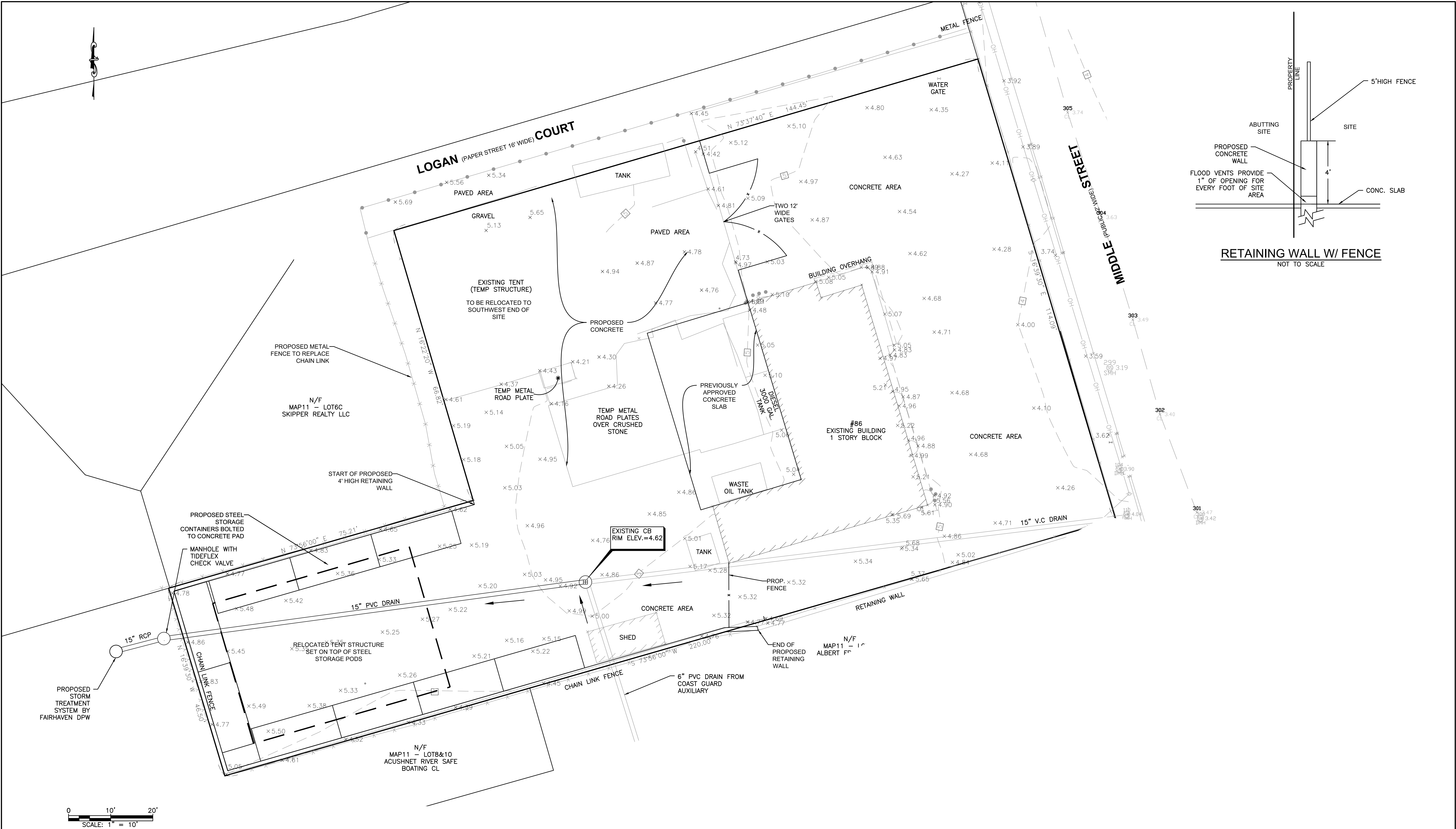


REV.	DATE	DESCRIPTION	BY	APP.	DRAWING TITLE EXISTING CONDITIONS PLAN	SCALE: 1" = 10'
					PROJECT 86-88 MIDDLE STREET FAIRHAVEN, MASSACHUSETTS	DATE: 11/5/2021
					CLIENT A-1 CRANE FAIRHAVEN, MASSACHUSETTS	DRAWN BY: JAG
					DESIGNED BY: RJR	CHECKED BY: RJR
					APPROVED BY: RJR	SHEET NO. 1 OF 3
					PROJECT NO. 3048-01-01	

P.O. BOX 1088
 350 BEDFORD ST.
 LAKEVILLE, MA 02734
 TEL: 508.947.0050
 FAX: 508.947.2004


PRIME ENGINEERING
INC.





DRAWING TITLE		PLAN A: PROPOSED IMPROVEMENTS		SCALE:	1" = 10'
PROJECT		86-88 MIDDLE STREET FAIRHAVEN, MASSACHUSETTS		DATE:	11/5/2021
CLIENT		A-1 CRANE FAIRHAVEN, MASSACHUSETTS		DRAWN BY:	JAG
DESIGNED BY:		RJR		CHECKED BY:	RJR
APPROVED BY:		RJR		PROJECT NO.:	3048-01-01
REV.	DATE	DESCRIPTION	BY	APP.	

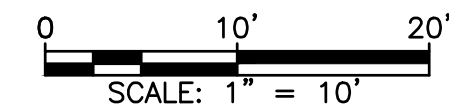
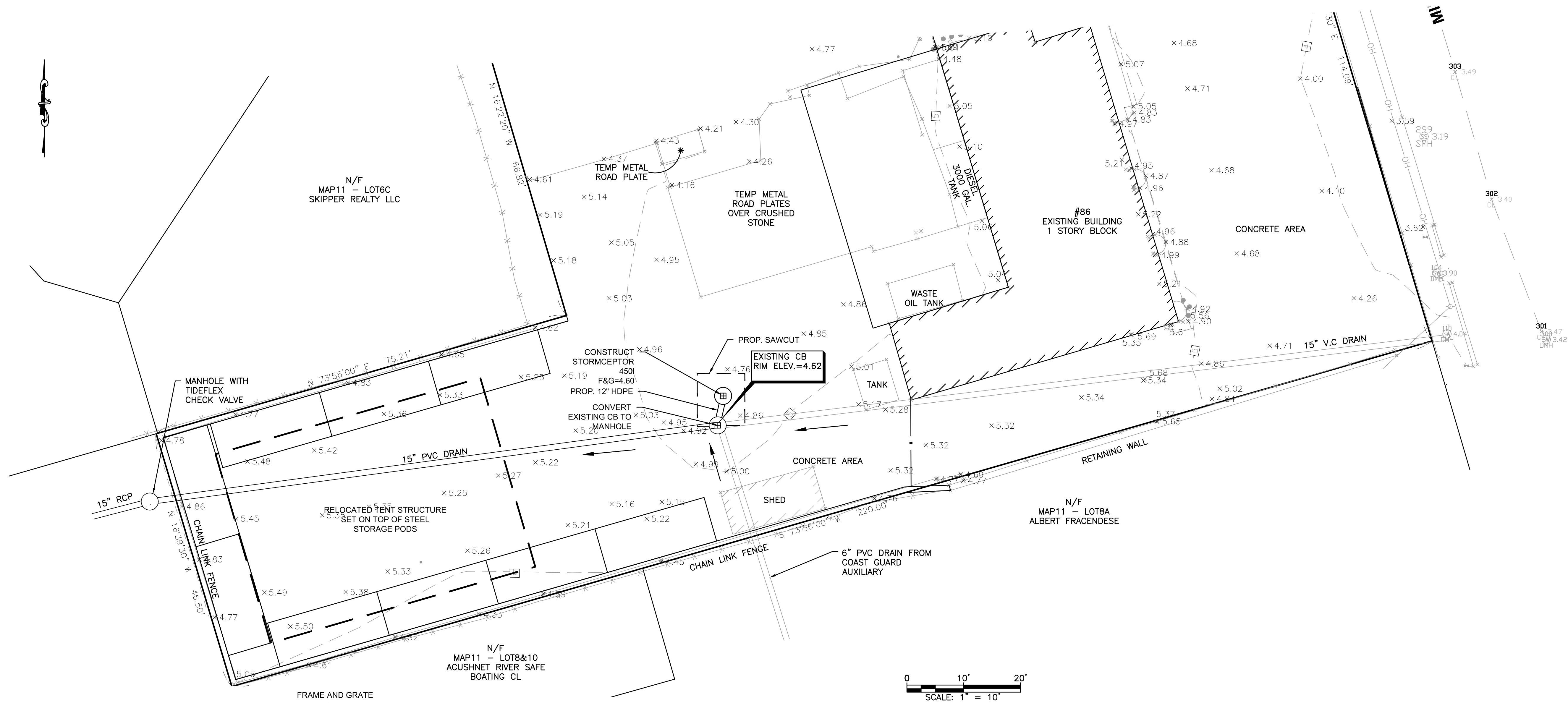
• CIVIL ENGINEERING
• LAND SURVEYING
• ENVIRONMENTAL ASSESSMENT



PRIME ENGINEERING
INC.

P.O. BOX 1088
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LAKEVILLE, MA 02734
TEL: 508.947.0050
FAX: 508.947.2004

RICHARD J. RHEAUME
No. 28373
CIVIL ENGINEER
REGISTERED



RECOMMENDED MAINTENANCE PROCEDURE:

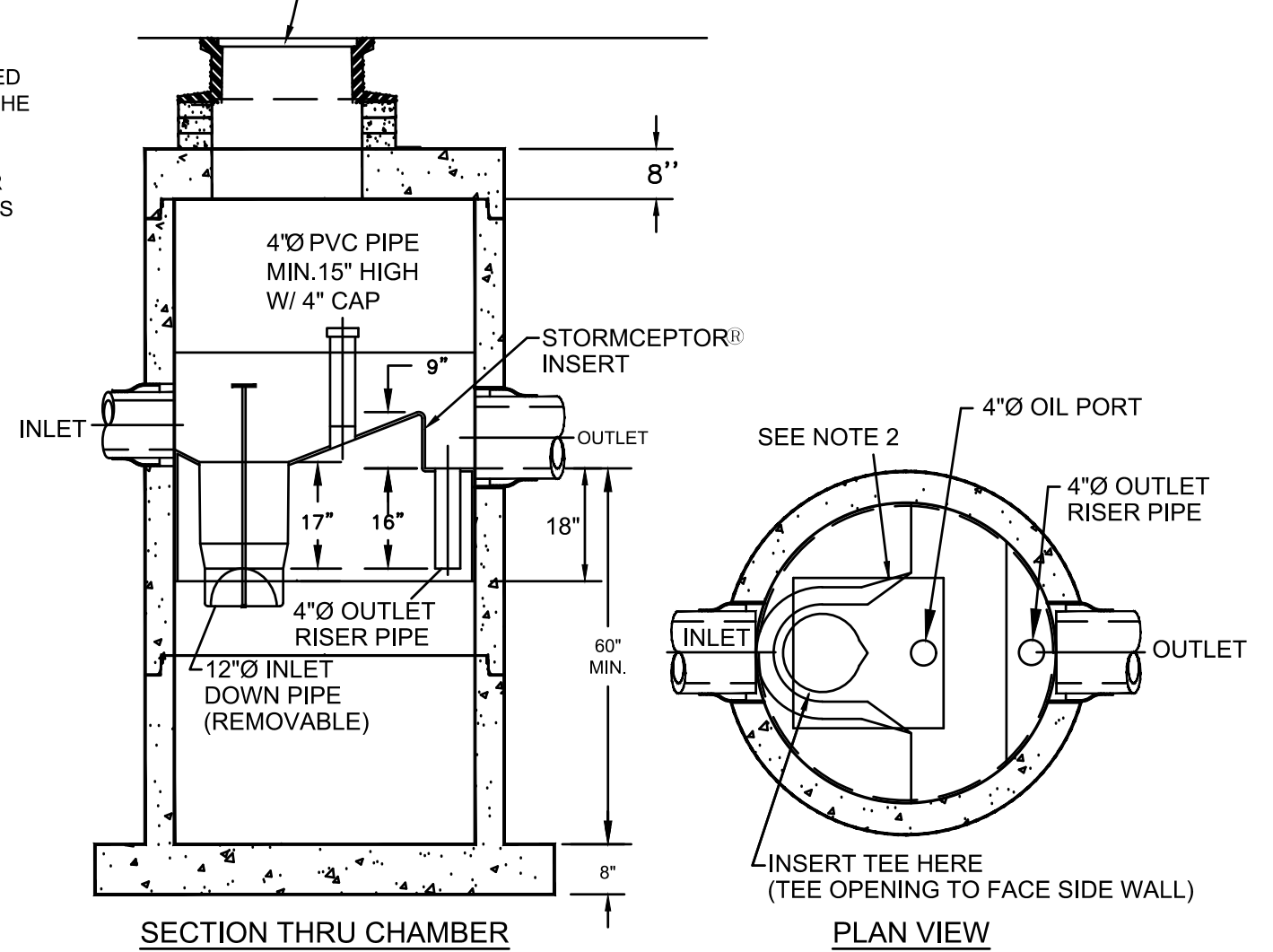
OIL IS REMOVED THROUGH THE 6\"/>

THE DEPTH OF SEDIMENT CAN BE MEASURED FROM THE SURFACE OF THE STORMCEPTOR WITH A DIPSTICK TUBE EQUIPPED WITH A BALL VALVE (SLUDGE JUDGE). RINKER MATERIALS RECOMMENDS MAINTENANCE BE PERFORMED ONCE THE SEDIMENT DEPTH EXCEEDS THE GUIDELINE VALUE PROVIDED IN TABLE BELOW.

TABLE SEDIMENT DEPTHS INDICATING REQUIRED MAINTENANCE*

MODEL	SEDIMENT DEPTH
450I	8" (200MM)
900	8" (200MM)
1200	10" (250MM)
1800	15" (375MM)
2400	12" (300MM)
3600	17" (425MM)
4800	15" (375MM)
6000	18" (450MM)
7200	15" (375MM)
11000s	17" (425MM)**
13000s	20" (500MM)**
16000s	17" (425MM)**

* DEPTHS ARE APPROXIMATE
 ** DEPTHS IN EACH STRUCTURE



STORMCEPTOR MODEL 450i
 NOT TO SCALE


NOTES:

- THE USE OF FLEXIBLE CONNECTION IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
- THE COVER SHOULD BE POSITIONED OVER THE INLET DROP PIPE AND THE OIL PORT.
- THE STORMCEPTOR SYSTEM IS PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, #6371690.
- CONTACT A CONCRETE PIPE DIVISION REPRESENTATIVE FOR FURTHER DETAILS NOT LISTED ON THIS DRAWING.

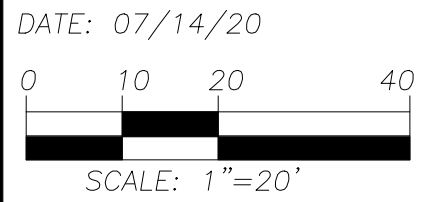
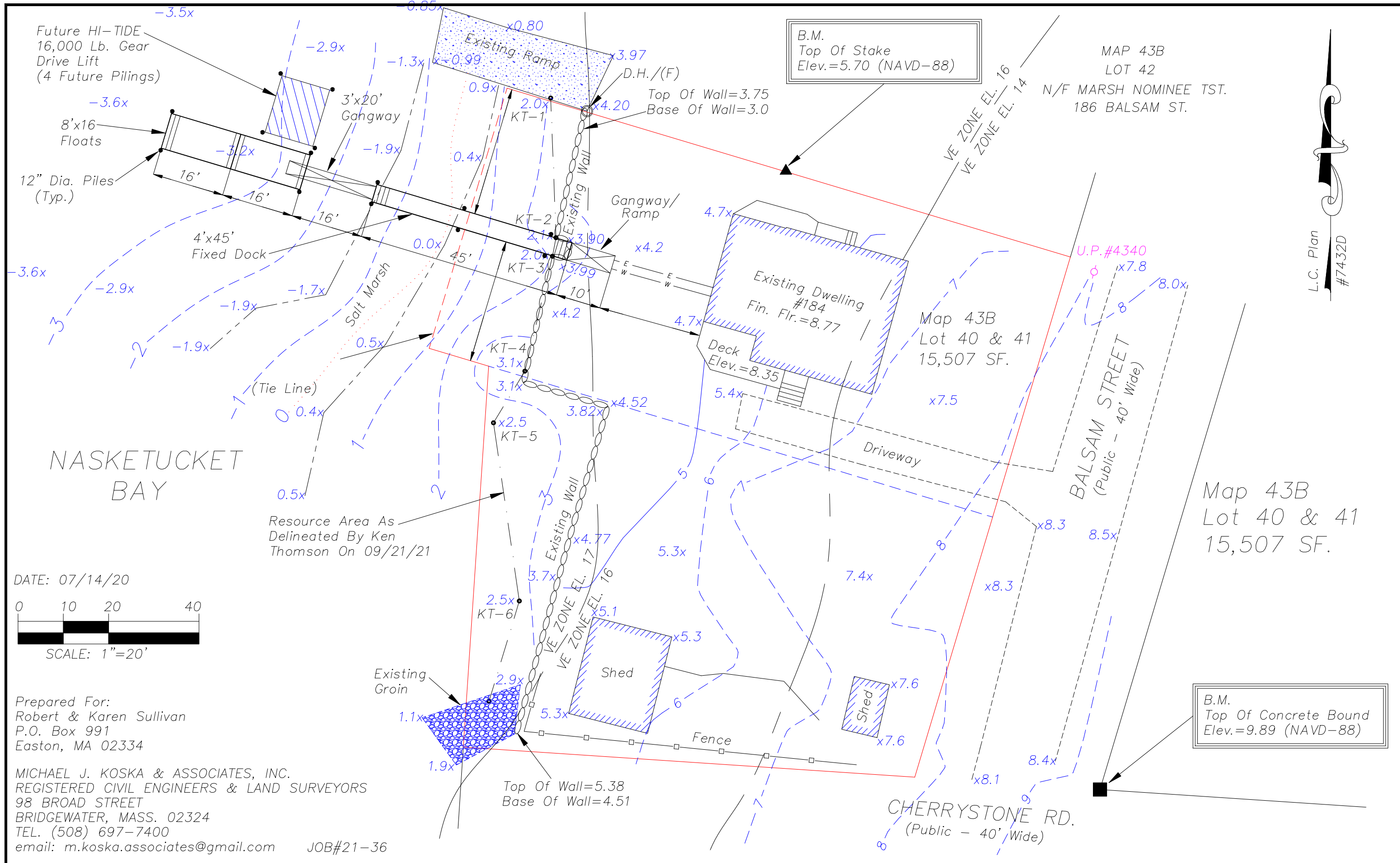
NO ENTRY INTO THE UNIT IS REQUIRED FOR ROUTINE MAINTENANCE OF THE INLET STORMCEPTOR. THE SMALLER DISC INSERT MODELS OF THE IN-LINE STORMCEPTOR. ENTRY TO THE LEVEL OF THE BY-PASS MAY BE REQUIRED FOR SERVICING THE LARGER IN-LINE MODELS. ANY POTENTIAL OBSTRUCTIONS AT THE INLET CAN BE OBSERVED FROM THE SURFACE. THE BY-PASS CHAMBER HAS BEEN DESIGNATED AS A PLATFORM FOR AUTHORIZED MAINTENANCE PERSONNEL. IN THE EVENT THAT AN OBSTRUCTION NEEDS TO BE REMOVED, DRAIN FLUSHING NEEDS TO BE PERFORMED, OR CAMERA SURVEYS ARE REQUIRED.

TYPICALLY, MAINTENANCE IS PERFORMED BY THE VACUUM SERVICE INDUSTRY, A WELL ESTABLISHED SECTOR OF THE SERVICE INDUSTRY THAT CLEANS UNDERGROUND TANKS, SEWERS, AND CATCH-BASINS. COSTS TO CLEAN THE STORMCEPTOR WILL VARY BASED ON THE SIZE OF THE UNIT AND TRANSPORTATION DISTANCES. IF YOU NEED ASSISTANCE FOR CLEANING A STORMCEPTOR UNIT, CONTACT YOUR LOCAL RINKER MATERIALS REPRESENTATIVE, OR THE RINKER MATERIALS STORMCEPTOR INFORMATION LINE AT (800) 909-7763.

TO BE IMPLEMENTED IF FAIRHAVEN DPW FAILS TO CONSTRUCT STORM TREATMENT SYSTEM SHOWN ON SHEET 2 (PLAN A)

DRAWING TITLE PLAN B: ON SITE STORMWATER TREATMENT SYSTEM		SCALE: 1" = 10'
PROJECT 86-88 MIDDLE STREET FAIRHAVEN, MASSACHUSETTS		DATE: 11/5/2021
CLIENT A-1 CRANE FAIRHAVEN, MASSACHUSETTS		DRAWN BY: JAG
DESIGNED BY: RJR		CHECKED BY: RJR
APPROVED BY: RJR		PROJECT NO. 3048-01-01
* CIVIL ENGINEERING * LAND SURVEYING * ENVIRONMENTAL ASSESSMENT 		P.O. BOX 1088 350 BEDFORD ST. LAKEVILLE, MA 02734 TEL: 508.947.0050 FAX: 508.947.2004





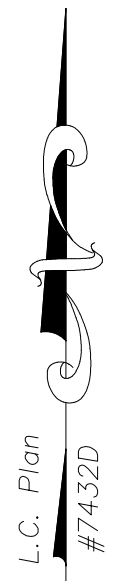
Prepared For:
 Robert & Karen Sullivan
 P.O. Box 991
 Easton, MA 02334

MICHAEL J. KOSKA & ASSOCIATES, INC.
 REGISTERED CIVIL ENGINEERS & LAND SURVEYORS
 98 BROAD STREET
 BRIDGEWATER, MASS. 02324
 TEL. (508) 697-7400
 email: m.koska.associates@gmail.com JOB#21-36

MAP 43B
 LOT 42
 N/F MARSH NOMINEE TST.
 186 BALSAM ST.

B.M.
 Top Of Concrete Bound
 Elev.=9.89 (NAVD-88)

B.M.
 Top Of Stake
 Elev.=5.70 (NAVD-88)



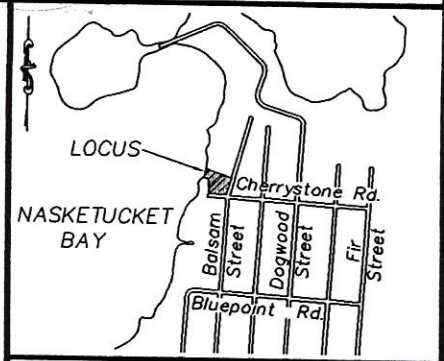
"I CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMITY WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS".

Michael J. Koska
PREPARER

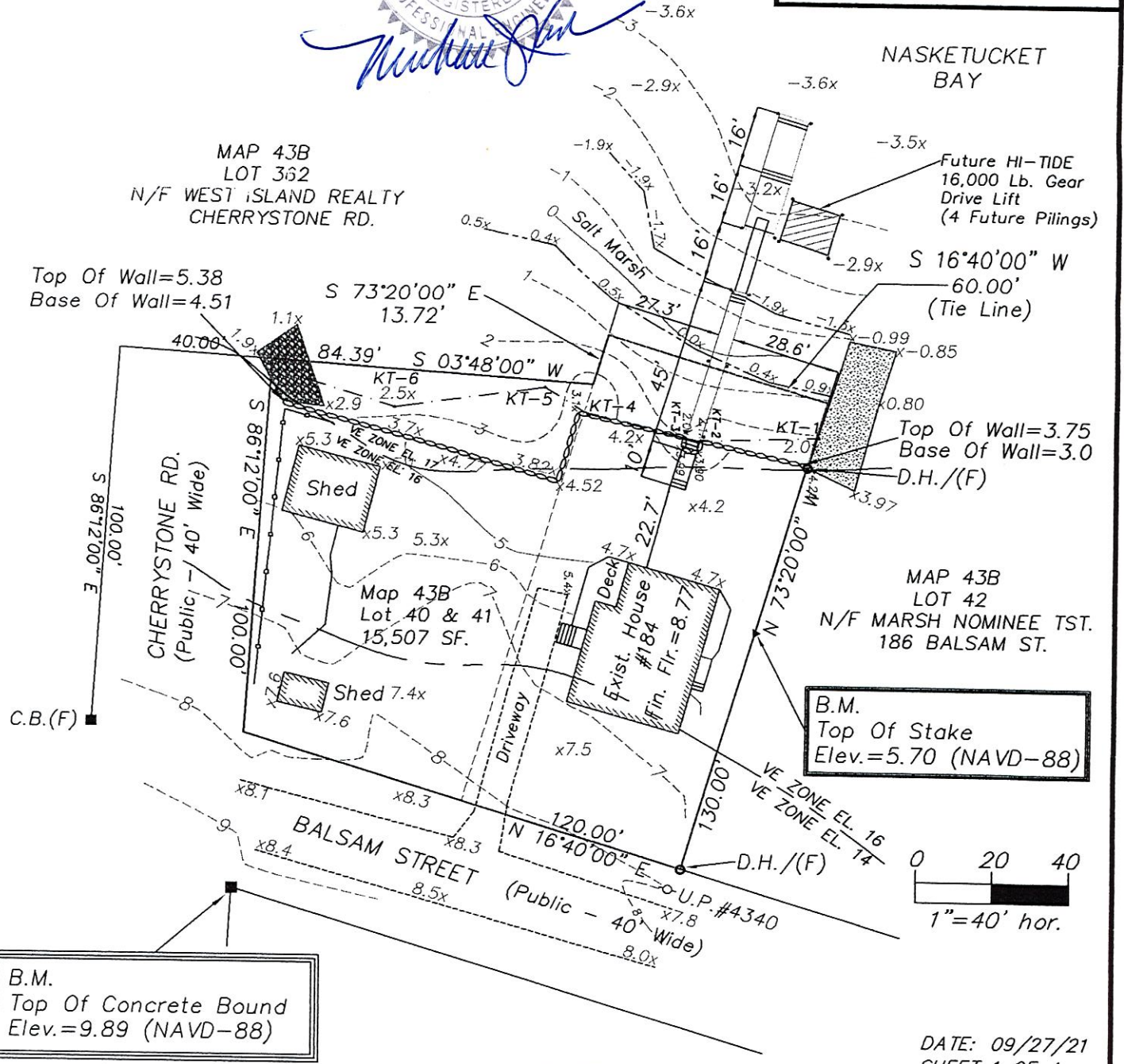


Legend:
C.B. = Concrete Bound
D.H. = Drill Hole

L.C. Plan #7432D



INDEX MAP:
SCALE: 1"=1200'±



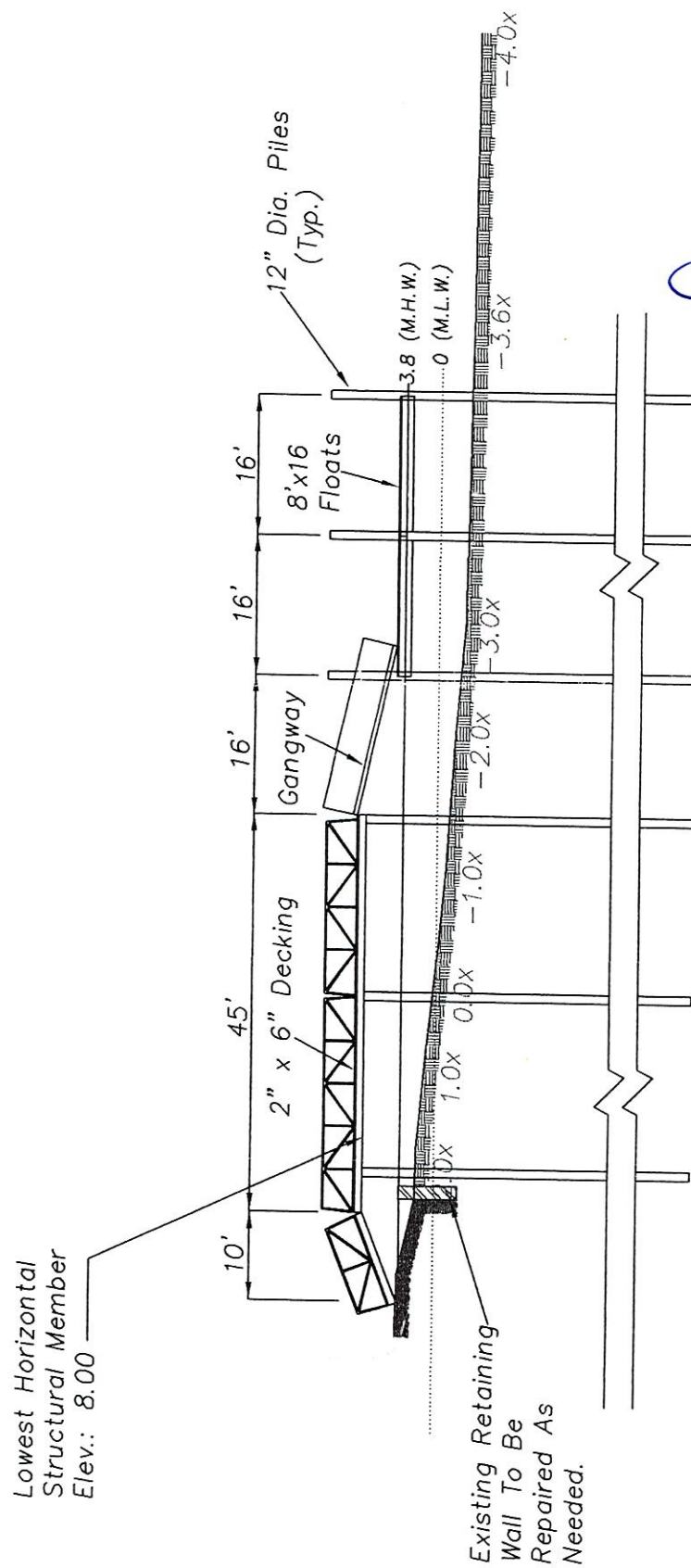
B.M.
Top Of Concrete Bound
Elev.=9.89 (NAVD-88)

DATE: 09/27/21
SHEET 1 OF 4

PLAN TO ACCOMPANY THE PETITION OF ROBERT & KAREN SULLIVAN TO LICENSE AND MAINTAIN A PROPOSED FIXED PIER, GANGWAY, FLOAT AND EXISTING SEAWALL IN NASKETUCKET BAY, FAIRHAVEN, MASS. 184 BALSAM STREET, FAIRHAVEN, MA.

"I CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMITY WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS".

Michael J. Koska
PREPARER



0 10 20
Scale: 1"=20'

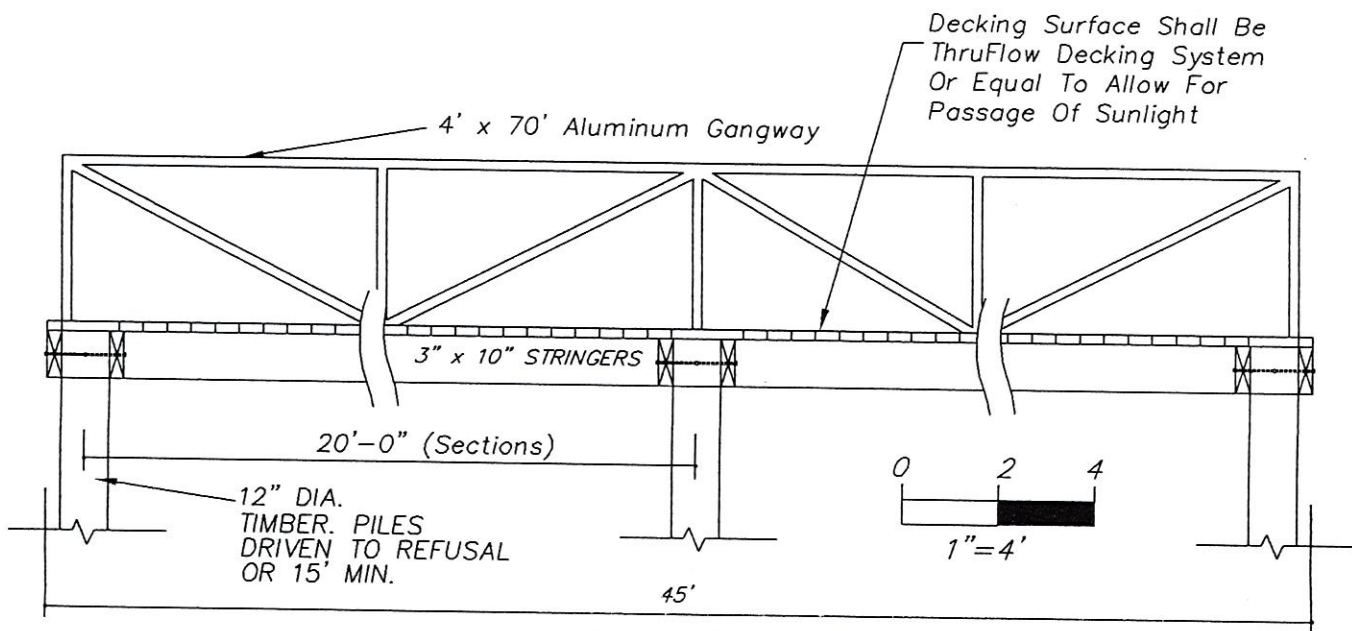
PLAN TO ACCOMPANY THE PETITION OF ROBERT & KAREN SULLIVAN TO LICENSE AND MAINTAIN A PROPOSED FIXED PIER, GANGWAY, FLOAT AND EXISTING SEAWALL IN NASKETUCKET BAY, FAIRHAVEN, MASS. 184 BALSAM STREET, FAIRHAVEN, MA.

DATE: 09/27/21
SHEET 2 OF 4

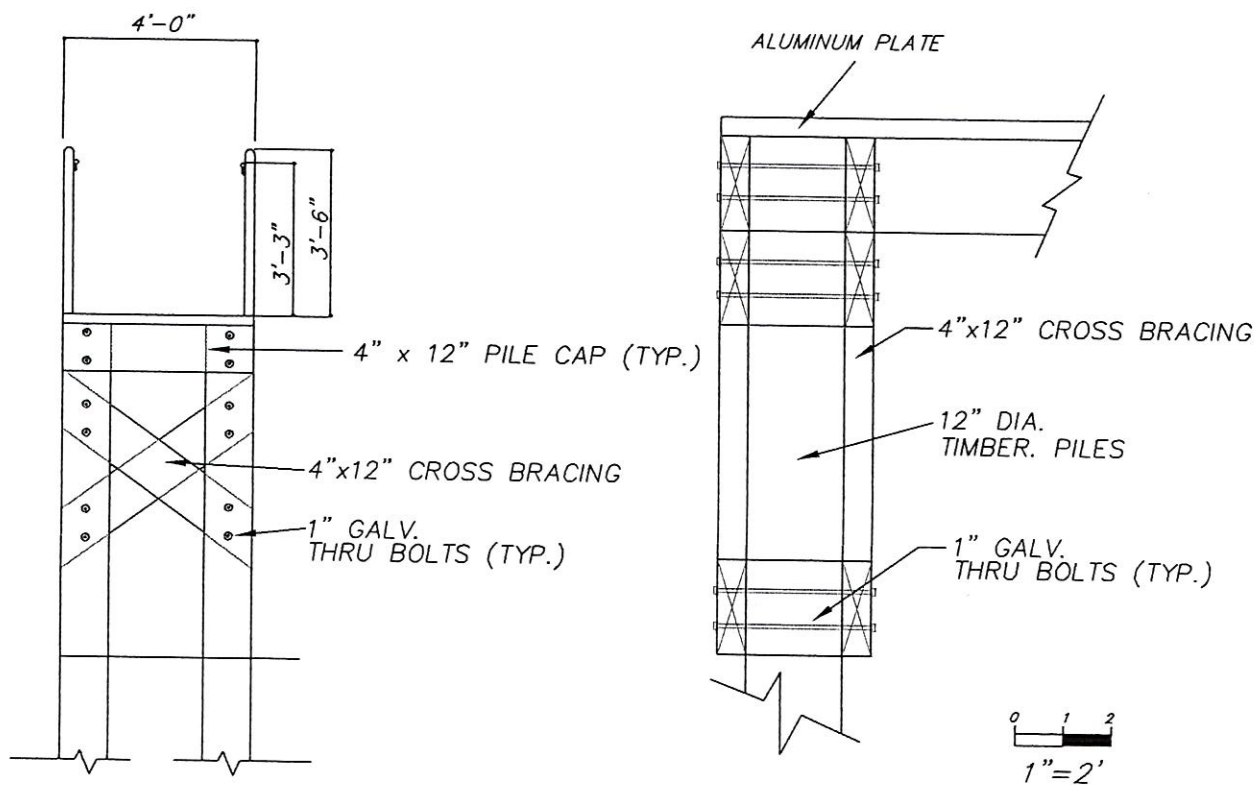
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Michael J. Koska

PREPARER

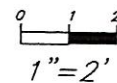
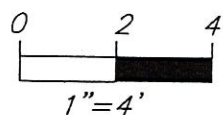


FIXED PIER CONSTRUCTION DETAILS



SECTION A-A

PILE CAP DETAIL



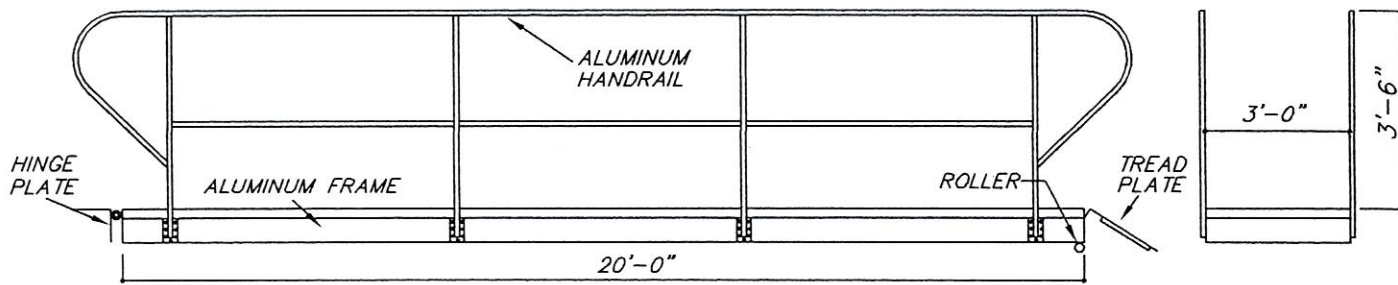
PLAN TO ACCOMPANY THE PETITION OF ROBERT & KAREN SULLIVAN TO LICENSE AND MAINTAIN A PROPOSED FIXED PIER, GANGWAY, FLOAT AND EXISTING SEAWALL IN NASKETUCKET BAY, FAIRHAVEN, MASS. 184 BALSAM STREET, FAIRHAVEN, MA.



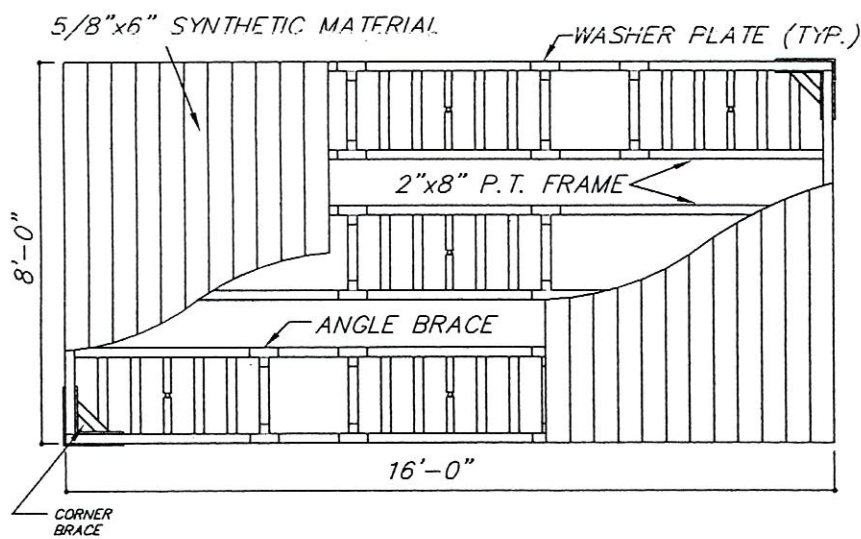
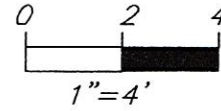
DATE: 09/27/21
SHEET 3 OF 4

"I CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN CONFORMITY WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS".

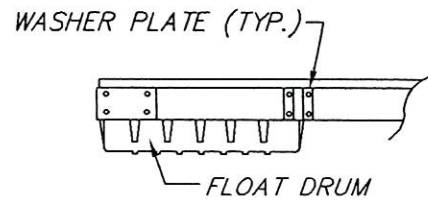
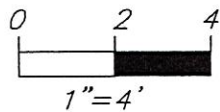
Michael J. Koska
PREPARER



GANGWAY DETAIL



FLOAT DETAIL



float drum and hardware to be follansbee dock systems or equal.

PLAN TO ACCOMPANY THE PETITION OF ROBERT & KAREN SULLIVAN TO LICENSE AND MAINTAIN A PROPOSED FIXED PIER, GANGWAY, FLOAT AND EXISTING SEAWALL IN NASKETUCKET BAY, FAIRHAVEN, MASS. 184 BALSAM STREET, FAIRHAVEN, MA.



DATE: 09/27/21
SHEET 4 OF 4