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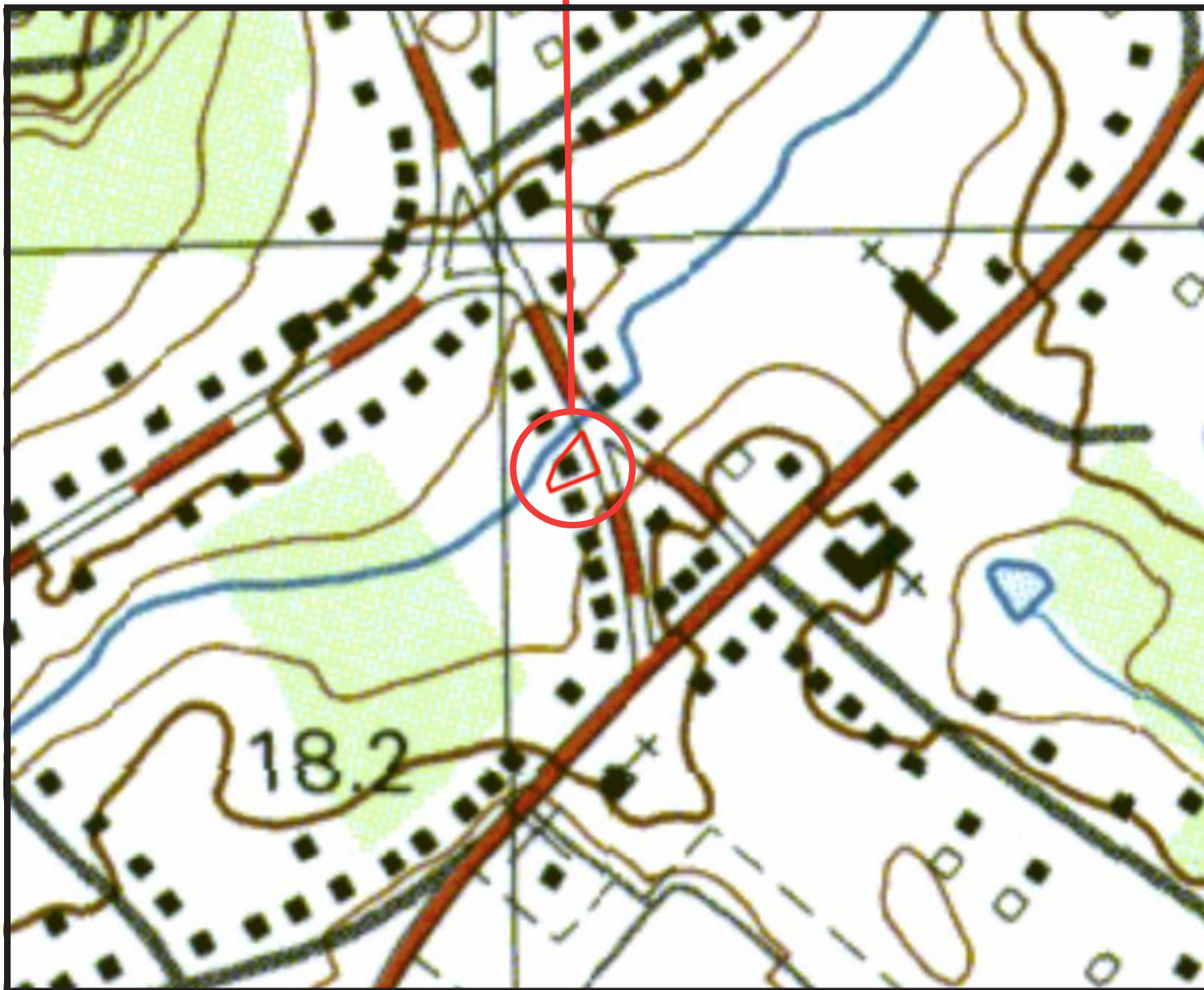
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# Notice of Intent

20 Central Street, Rowley

Figure 1. Topographic Map

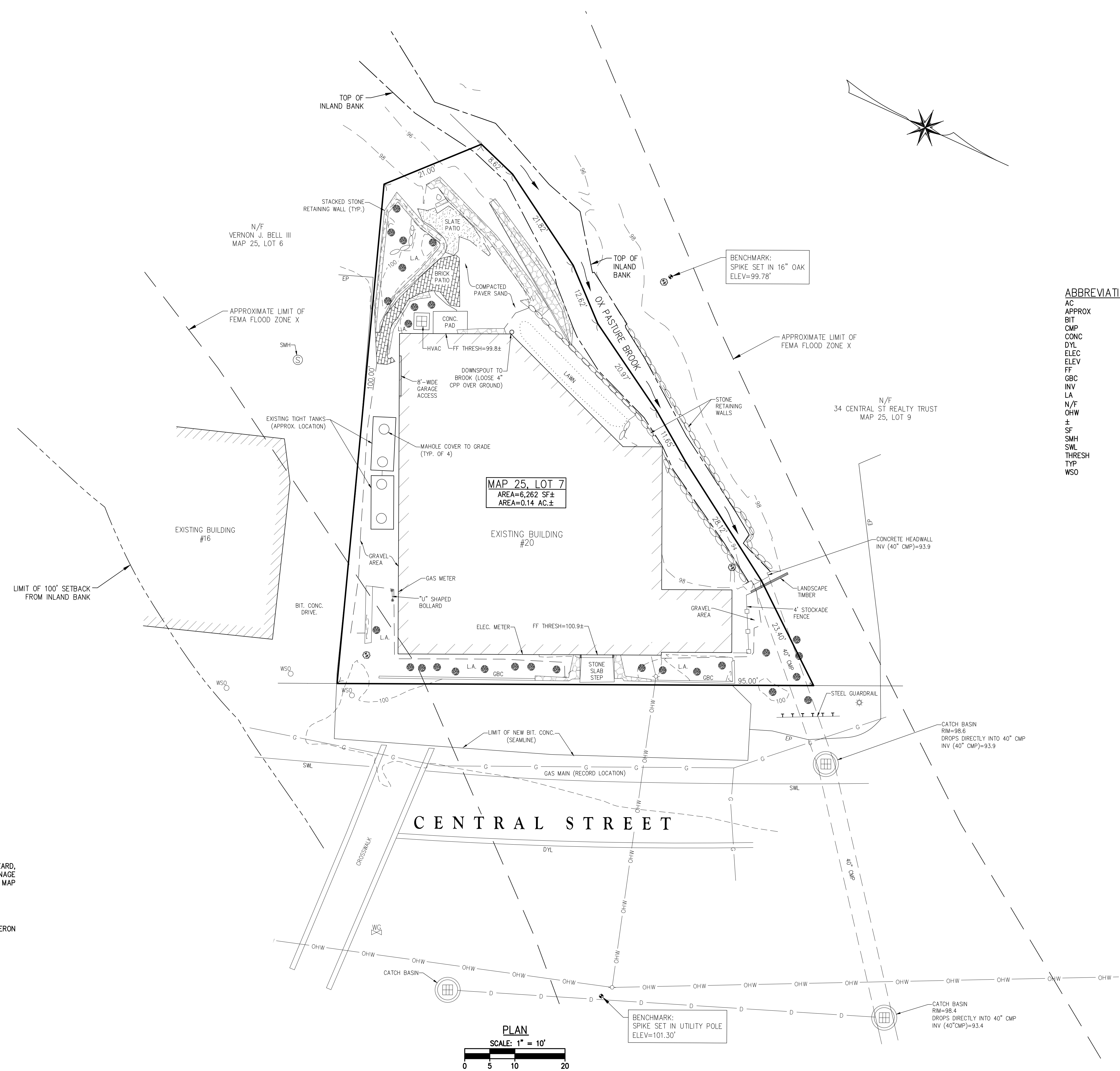


USGS Topographic Maps



**DEROSA**  
Environmental  
CONSULTING, INC. 

167 Main Street, PO Box 716, Rowley Massachusetts 01969 USA  
978 948-7717 Office - 978 948-7718 Fax



**ABBREVIATIONS:**

AC	ACRE
APPROX	APPROXIMATE
BIT	BITUMINOUS
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
DYL	DOUBLE YELLOW LINE
ELEC	ELECTRIC
ELEV	ELEVATION
FF	FINISHED FLOOR
GBC	GRANITE BLOCK CURB
INV	INVERT
LA	LANDSCAPE AREA
N/F	NOW OR FORMERLY
OHW	OVERHEAD WIRES
±	PLUS/MINUS
SF	SQUARE FEET
SMH	SEWER MANHOLE
SWL	SINGLE WHITE LINE THRESHOLD
TYP	TYPICAL
WSO	WATER SHUT OFF

**FLOOD NOTE:**  
 • THE SUBJECT PROPERTY IS LOCATED WITHIN FEMA FLOOD ZONE X: 0.2% ANNUAL CHANCE FLOOD HAZARD, AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTH LESS THAN ONE FOOT OR WITH DRAINAGE AREAS OF LESS THAN ONE SQUARE MILE, AS ILLUSTRATED ON THE FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 250009C0259F, WHICH HAS AN EFFECTIVE DATE OF JULY 03, 2012.

**SURVEY NOTE:**  
 • EXISTING CONDITIONS INFORMATION OBTAINED FROM A FIELD SURVEY PERFORMED BY THE MORIN-CAMERON GROUP, INC. IN APRIL 2022.

**ZONING DISTRICT:**  
 • CENTRAL DISTRICT (CenD)  
 • HISTORIC OVERLAY DISTRICT

**RECORD OWNER:**  
 • OX BROOK REAL ESTATE TRUST  
 GERALD N. FANDETTI TRUSTEE  
 350 MAIN STREET  
 CAMBRIDGE, MA 02142  
 DEED BOOK 31498, PAGE 64  
 ASSESSORS MAP 25, LOT 7

**DATUM:**  
 • ELEVATIONS DEPICTED HEREON REFER TO AN ASSUMED VERTICAL DATUM.

SURVEY BY: A.M.  
 DRAFTED BY: D.T.S.  
 CHECKED BY: D.J.P.  
 APPROVED BY: J.M.M.  
 SCALE: 1" = 10'  
 DATE: MAY 20, 2022

NO.	DESCRIPTION	DATE

**EXISTING CONDITIONS PLAN**  
**20 CENTRAL STREET**  
**ROWLEY, MASSACHUSETTS**  
 PREPARED FOR:  
**GERALD FANDETTI**

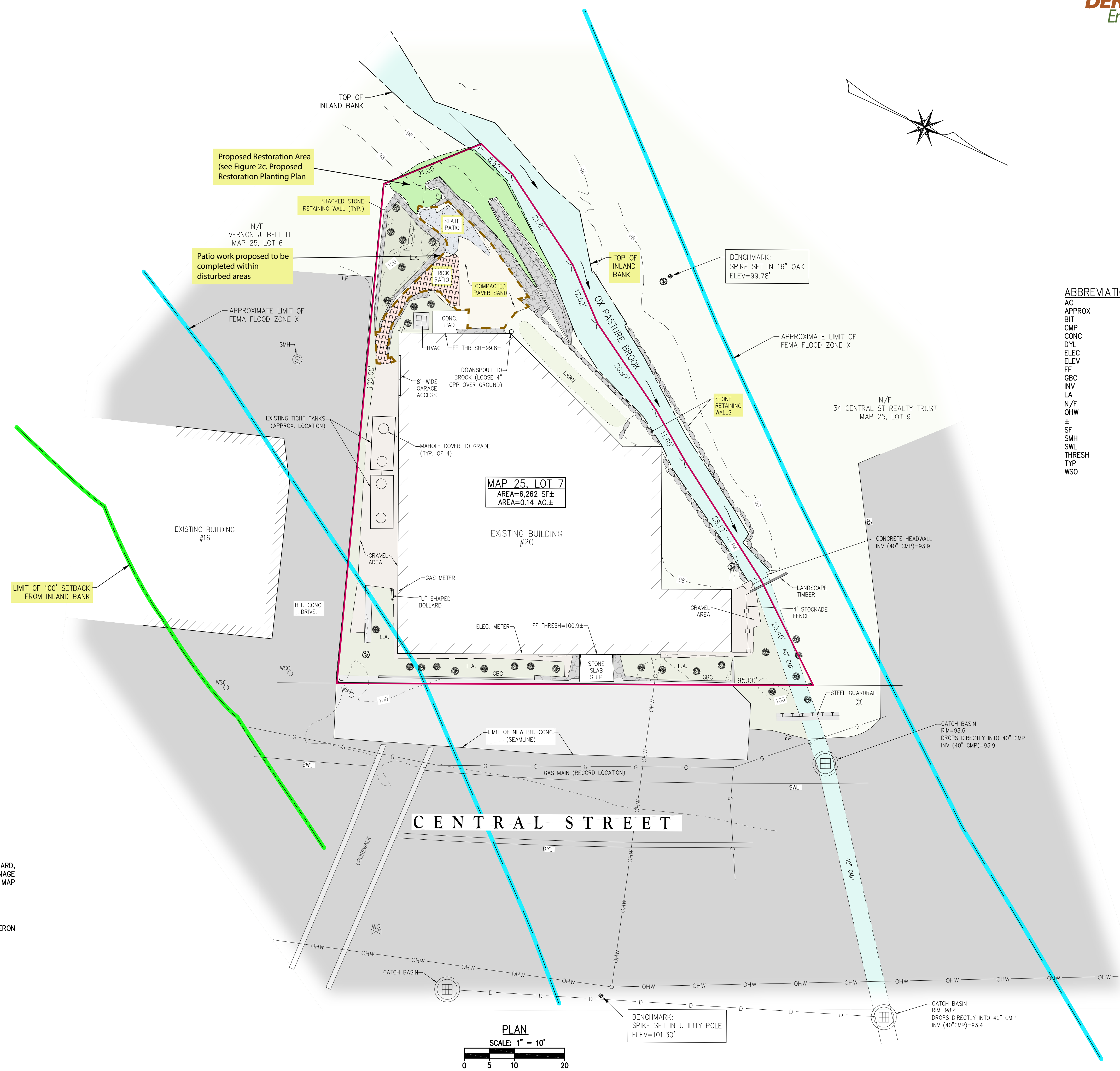
**EX**  
 DRAWING NO.  
**1 OF 1**

# Figure 2b. Project Elements Plan

20 Central Street | Rowley, MA



- Notes:**
1. Base plan by The Morin-Cameron Group, Inc., dated May 20, 2022.
  2. Notes and color added by DeRosa Environmental Consulting, Inc. on August 1, 2022.



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*Michael J. DeRosa*  
 Michael J. DeRosa  
 PWS No. 2250  
 MJD/eg/ledr  
 August 1, 2022

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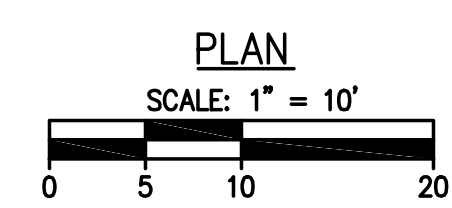
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 SCALE: 1" = 10'  
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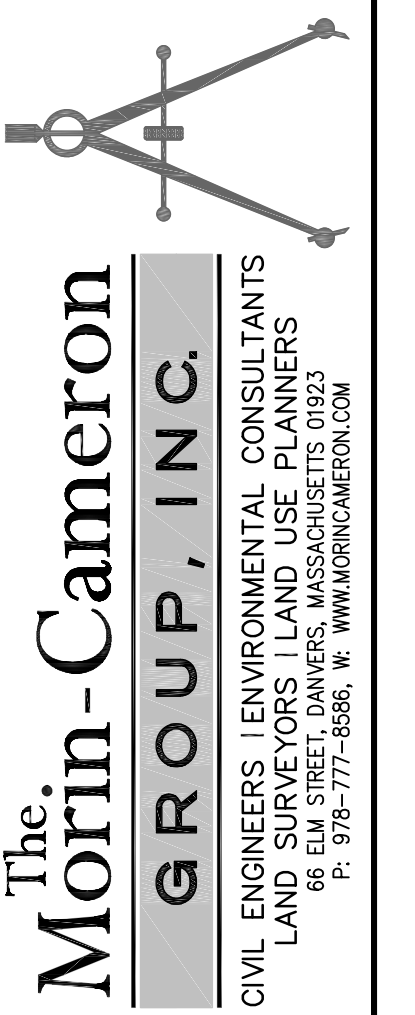
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**EXISTING CONDITIONS PLAN**  
 20 CENTRAL STREET  
 ROWLEY, MASSACHUSETTS  
 PREPARED FOR:  
**GERALD FANDETTI**

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**1 OF 1**

# Figure 2c. Restoration Planting Plan

20 Central Street | Rowley, MA



## Bank Mitigation Plant List | 20 Central Street | Rowley, MA

No	Common Name	Botanical Name	Indicator	Size	Quantity
1	Red Osier Dogwood	<i>Cornus sericea</i>	FACW	2 gallon	6
2	Cardinal Flower	<i>Lobelia cardinalis</i>	FACW	quart	9
3	Turtlehead	<i>Chelone glabra</i>	OBL	quart	9
4	Joe Pye Weed (Spotted)	<i>Eutrochium maculatum</i>	OBL	quart	6
5	Blue Flag Iris	<i>Iris versicolor</i>	OBL	quart	9
6	Blue Vervain	<i>Verbena hastata</i>	FACW	quart	9
7	Sensitive Fern	<i>Onoclea sensibilis</i>	FACW	quart	9
8	Tussock Sedge	<i>Carex stricta</i>	OBL	quart	9
9	Virginia Wild-Rye	<i>Elymus virginicus</i>	FACW	quart	9
10	Ticklegrass	<i>Agrostis scabra</i>	FAC	quart	9

### Planting Notes:

- Disturbed soils will be planted with our custom wetland and upland seed mixes.
- The entire planted area is to be covered with salt marsh hay to retain soil moisture and protect against seed predation by birds and small mammals.
- Plants to be distributed by an ecological restoration specialist. Exact plant locations will be determined in the field based on site-specific planting conditions and micro-topography.
- The new plantings will be irrigated for one full growing season or until the seed and plant material is established.
- Monthly inspections will be conducted for the first growing season and treatment/removal of invasive species will be implemented as needed.
- Care is to be taken in removing invasive plant material to minimize disturbance to existing native plant species.

*Michael J. DeRosa*

Michael J. DeRosa  
PWS No. 2250

MJD/eg/ledr  
June 15, 2022



### FLOOD NOTE:

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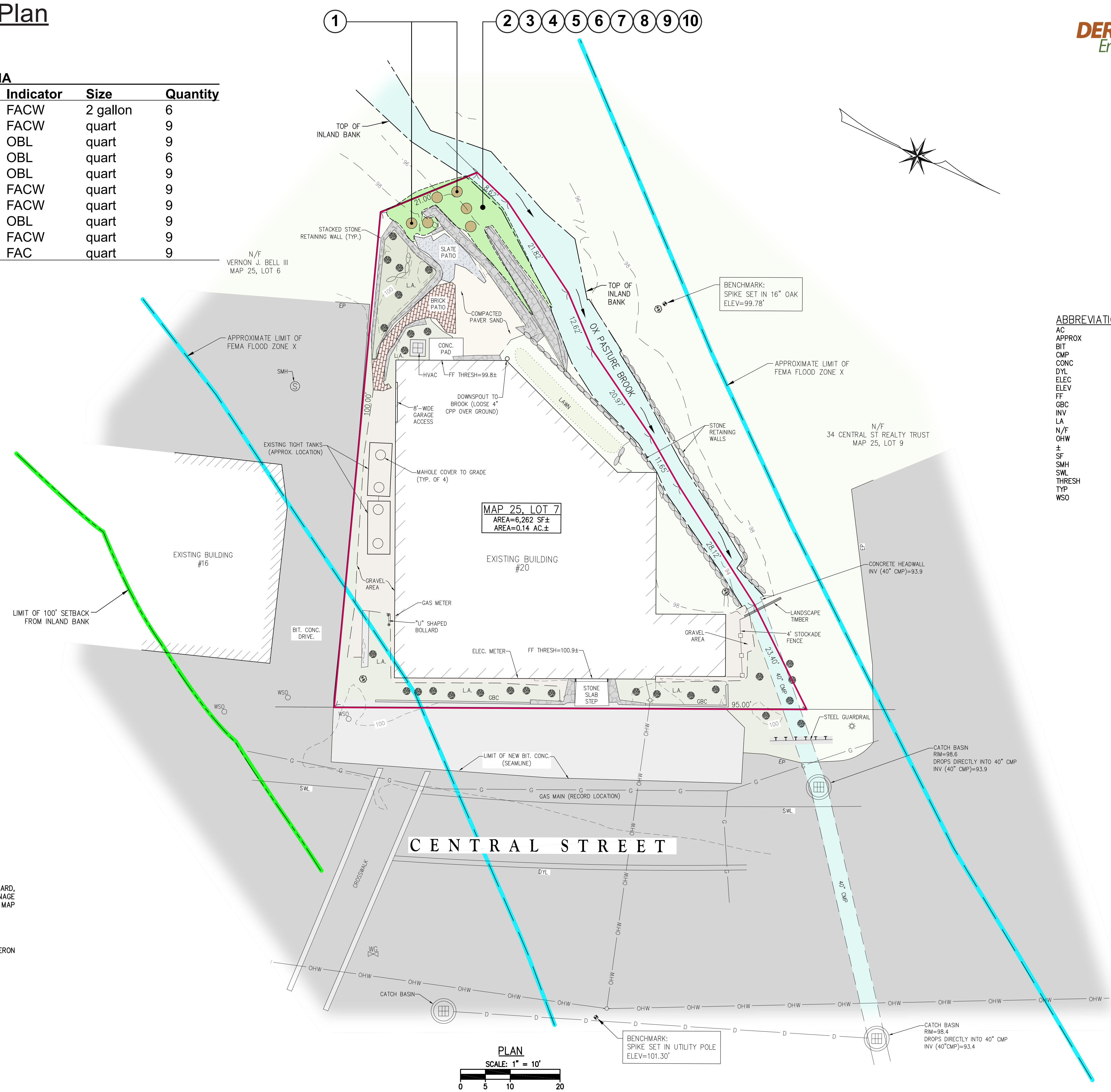
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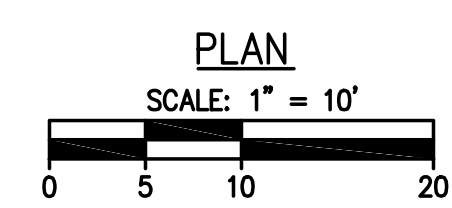
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# Notice of Intent

20 Central Street, Rowley



Figure 3. Aerial  
Photograph

USGS Color Orthos 2013-2014



# Notice of Intent Application

## 20 Central Street, Rowley

Figure 4.  
Wetlands Map



### DEP Wetlands Detailed

- Barrier Beach System
- Barrier Beach-Deep Marsh
- Barrier Beach-Wooded Swamp Mixed Trees
- Barrier Beach-Coastal Beach
- Barrier Beach-Coastal Dune
- Barrier Beach-Marsh
- Barrier Beach-Salt Marsh
- Barrier Beach-Shrub Swamp
- Barrier Beach-Wooded Swamp Coniferous
- Barrier Beach-Wooded Swamp Deciduous
- Bog
- Coastal Bank Bluff or Sea Cliff
- Coastal Beach
- Coastal Dune
- Cranberry Bog
- Deep Marsh
- Barrier Beach-Open Water
- Open Water
- Rocky Intertidal Shore
- Salt Marsh
- Shallow Marsh Meadow or Fen
- Shrub Swamp
- Tidal Flat
- Wooded Swamp Coniferous
- Wooded Swamp Deciduous
- Wooded Swamp Mixed Trees

USGS Color Orthos 2013-2014








# Notice of Intent Application

## 20 Central Street, Rowley

Figure 5.  
NHESP Map



- NHESP Natural Communities 
- NHESP Estimated Habitats of Rare Wildlife 
- NHESP Certified Vernal Pools 
- NHESP Ecoregions 
- USGS Color Orthos 2013-2014 

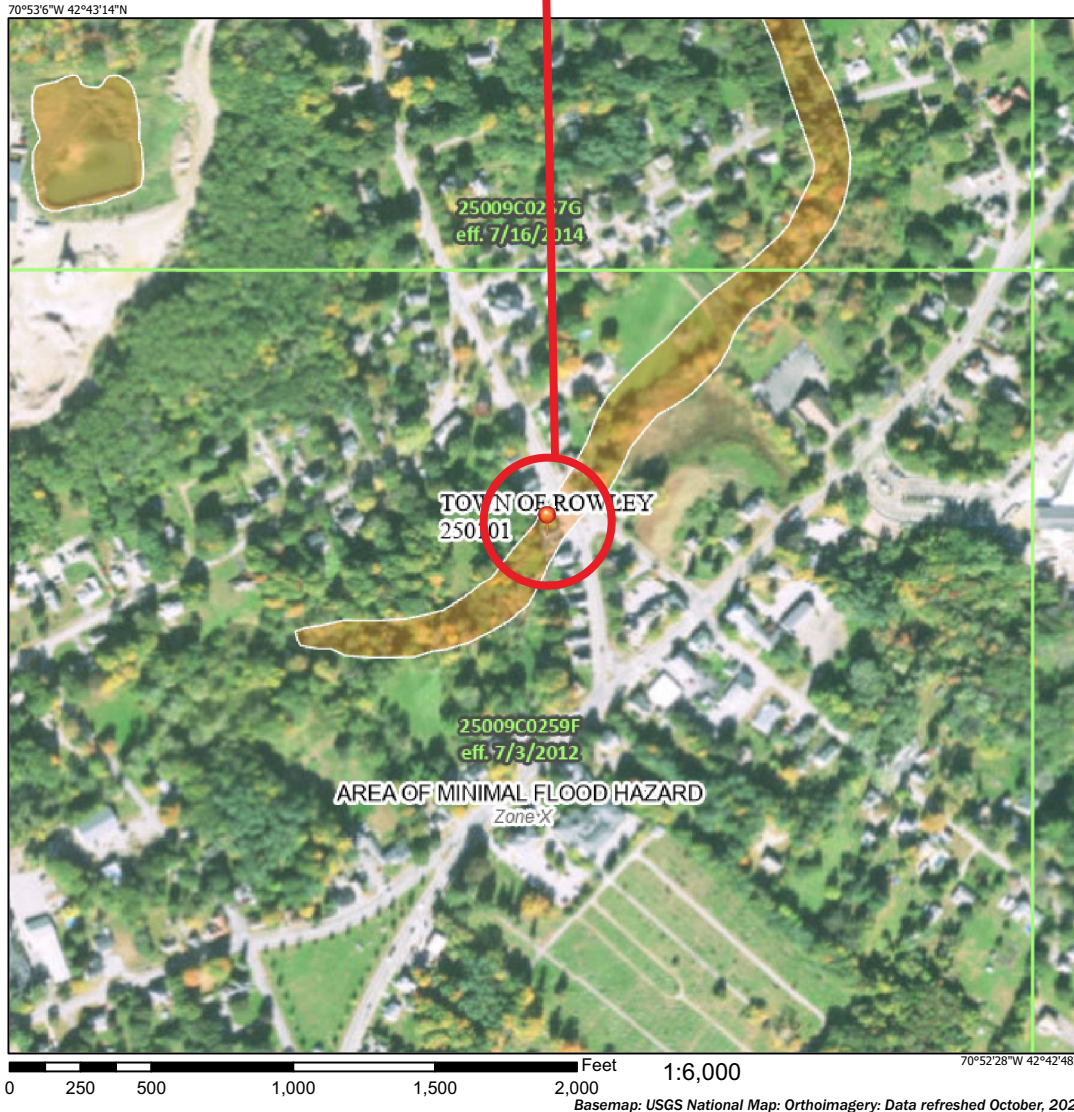


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## 20 Central Street, Rowley

Figure 6. FIRMette Map

### National Flood Hazard Layer FIRMette



#### Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		Cross Sections with 1% Annual Chance Water Surface Elevation
MAP PANELS		Coastal Transect
		Base Flood Elevation Line (BFE)
OTHER FEATURES		Limit of Study
		Jurisdiction Boundary
OTHER FEATURES		Coastal Transect Baseline
		Profile Baseline
OTHER FEATURES		Hydrographic Feature
		Digital Data Available
MAP PANELS		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/25/2022 at 2:24 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



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