



June 22, 2022

Ref: 12815.08

Mr. Dennis Audette, Chairman
New Bedford Conservation Commission
133 William Street, Room 304
New Bedford, MA 02740

Re: DEP File No. SE 049-0777
Request for Minor Modification to Notice of Intent: South Coast Rail – Wamsutta Layover Facility NOI
New Bedford, Massachusetts

Dear Chairman Audette,

On behalf of the Massachusetts Department of Transportation, VHB respectfully submits in accordance with the Massachusetts Wetland Protection Act Form 5 Section C General Condition 14 of the Order of Conditions issued on August 24, 2018 (and extended on December 3, 2020), the enclosed revised plans for the Wamsutta Street portion of the proposed South Coast Rail Project Wamsutta Layover Facility (LOF) in New Bedford (DEP File No. SE 049-0777). The plans show a revised design for the stormwater conveyance within Wamsutta Street and the proposed discharge to the existing drainage swale located to the south of the roadway (refer to Sheets UT-302 and CV-342).

The proposed design change reduces the amount of relocation and reconstruction required to a 16" water main within Wamsutta Street that serves potable water and fire suppression to the adjacent buildings. The revised design proposes addition of a drainage culvert to be constructed outside of the curb line on the south side of Wamsutta Street, which avoids the need to replace a portion of the existing water main and reduces impacts to the existing 24" drainage pipe. The drainage culvert would be a 2'x5' box culvert that discharges to the existing drainage swale immediately adjacent to the discharge location for the existing 24" drain line. The size of the proposed riprap splash pad at the outlet point has been increased to account for the second outlet. However, the new conveyance would not increase the volume of stormwater discharge from the LOF site. In addition to minimizing impact to the existing water main and reducing the extent of water main reconstruction within the 100' wetland buffer zone, the construction of the new conveyance as proposed would simplify construction staging, since it would not be within the footprint of the existing drainage pipe.

The proposed design change results in a minor increase in the amount of work within the 100' wetland buffer zone to the drainage swale for construction of a slightly larger rip rap splash pad at the outlet. The

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revised proposed work will not result in any additional impacts to jurisdictional resources as compared to the original design.

The proposed design has been reviewed and approved by the New Bedford Department of Public Infrastructure (DPI). We understand that DPI is in favor of the change due to a reduction in the volume of flow directed to the existing 24" drain line, which is known to surcharge during some storm events.

MassDOT respectfully requests that the commission accept the revised drawings, with a determination that the changes are not significant enough to require the filing of a new Notice of Intent. We look forward to meeting with the Commission to review the revised plans at the hearing scheduled for July 5, 2022. If you have any questions or require additional information, please contact me via email at lcarlson@vhb.com or by phone at (617) 607-6237.

Sincerely,

A handwritten signature in blue ink, appearing to read "Lars Carlson", written over a light blue horizontal line.

Vanasse Hangen Brustlin, Inc.

Lars Carlson, Ph.D., PWS

Senior Project Manager

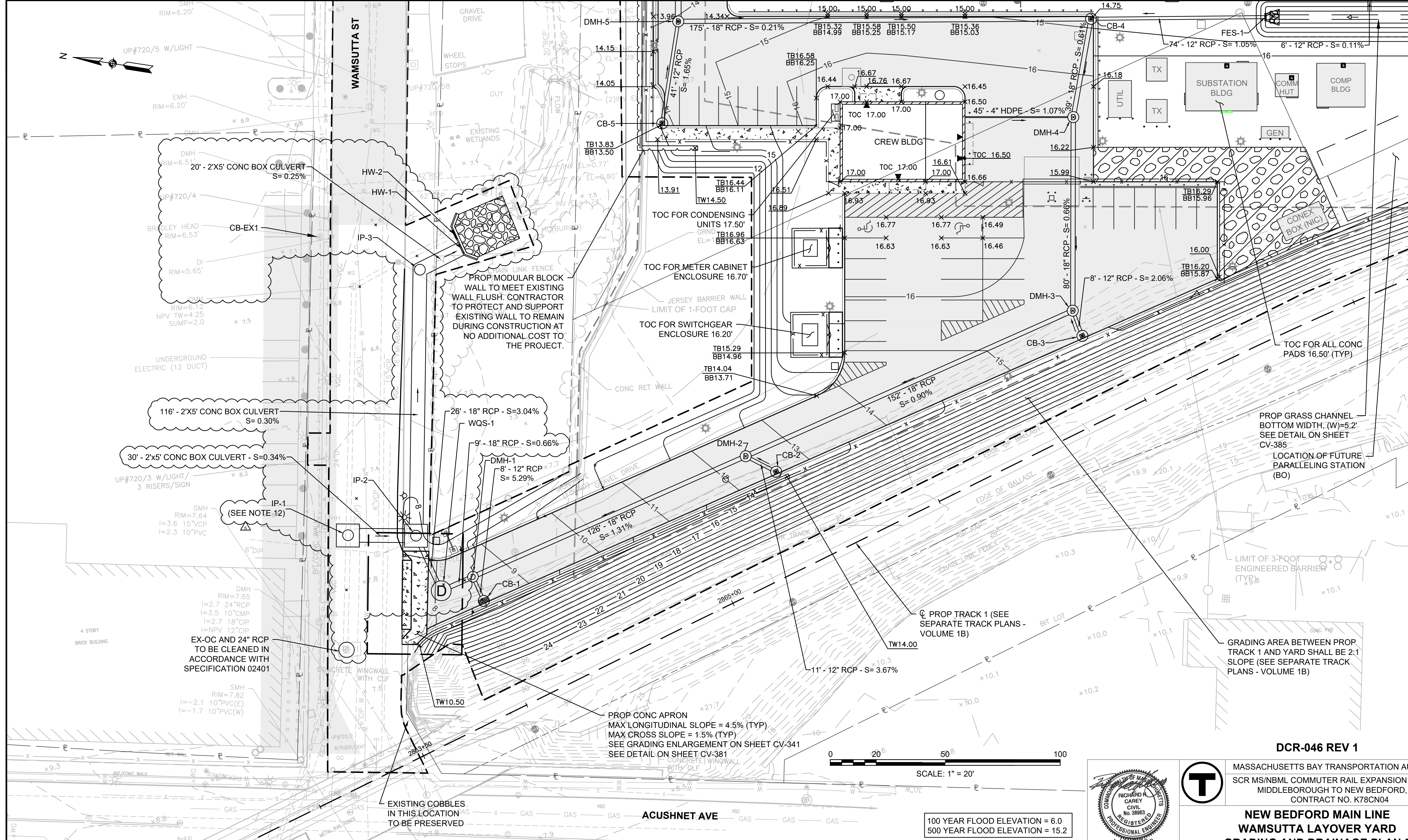
lcarlson@vhb.com

Enclosures: Sheet CV-342- New Bedford Main Line Wamsutta Layover Yard, Grading and Drainage Plan 2, Rev. 6/1/22.
Sheet UT-302 - New Bedford Main Line Wamsutta Layover Yard, Utilities Plan 2, Rev. 6/1/22.

CC: Jean Fox, MassDOT
Holly Palmgren, MBTA
Shawn Syde, New Bedford DPI
MassDEP, Southeast Regional Office, Attn: Mark Bartow

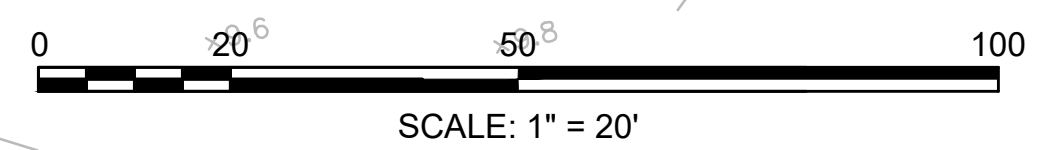
MATCH LINE SEE SHEET CV-341

MATCH LINE SEE SHEET CV-343

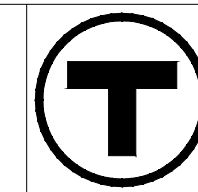
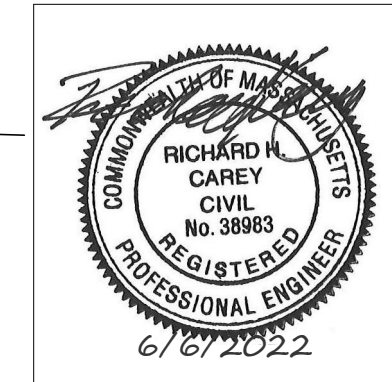


- NOTES:
- TOP OF BALLAST ELEV. IN YARD = 14.03 (UNLESS OTHERWISE NOTED)
 - TOP OF RAIL ELEV. IN YARD = 14.70 (UNLESS OTHERWISE NOTED)
 - GRASS CHANNEL SIDE SLOPES ARE 2:1, SEE TYPICAL SECTIONS
 - FOR DRAINAGE STRUCTURE TABLE SEE SHEET CV-346
 - REFER TO PW, CM AND UTILITY PLANS FOR ALL OTHER UTILITY INFORMATION
 - FLOOD INFORMATION SHOWN OBTAINED FROM FEMA FLOOD INSURANCE STUDY FOR BRISTOL COUNTY, MASSACHUSETTS (ALL JURISDICTIONS) VOLUME 1 OF 4 DATED JULY 2015

- CONTRACTOR SHALL PRELOAD FILL AREAS IN ACCORDANCE WITH EARTHWORK SPECIFICATION 02300
- CONTRACTOR SHALL PLACE FILL IN CONFORMANCE WITH REQUIREMENTS STATED IN FINAL WAMSUTTA GEOTECHNICAL REPORT DATED MAY 1, 2019.
- ALL PROPOSED RCP SHALL BE CLASS V.
- CONTRACTOR TO COORDINATE LOCATION OF SIGN FOUNDATIONS WITH VERIZON. CONTRACTOR IS RESPONSIBLE FOR PROPER COORDINATION.
- CULVERT DIMENSIONS SHOWN ARE MEASURED FROM CENTER TO CENTER OF STRUCTURES. CONTRACTOR TO ADJUST ACTUAL CULVERT LENGTHS ACCORDINGLY TO FIT WITH IP STRUCTURE FABRICATOR DESIGN.
- STRUCTURE IP-1 TO BE CONSTRUCTED TO ACCEPT EXISTING 24\"/>



100 YEAR FLOOD ELEVATION = 6.0
 500 YEAR FLOOD ELEVATION = 15.2



DCR-046 REV 1
 MASSACHUSETTS BAY TRANSPORTATION AUTHORITY
 SCR MS/NBML COMMUTER RAIL EXPANSION PROJECT
 MIDDLEBOROUGH TO NEW BEDFORD, MA
 CONTRACT NO. K78CN04

**NEW BEDFORD MAIN LINE
 WAMSUTTA LAYOVER YARD
 GRADING AND DRAINAGE PLAN 2**

ISSUE	DATE	DESCRIPTION	BY	CHKD.	APP.
△	06/01/2022	DCR-046 REV 1	CS	AZ	KC
△	04/29/2021	DCR-035 REV 1	CS	AZ	KC
△	11/05/2021	DCR-046	BZ	WR	KC
△	09/03/2021	DCR-035	BZ	WR	KC

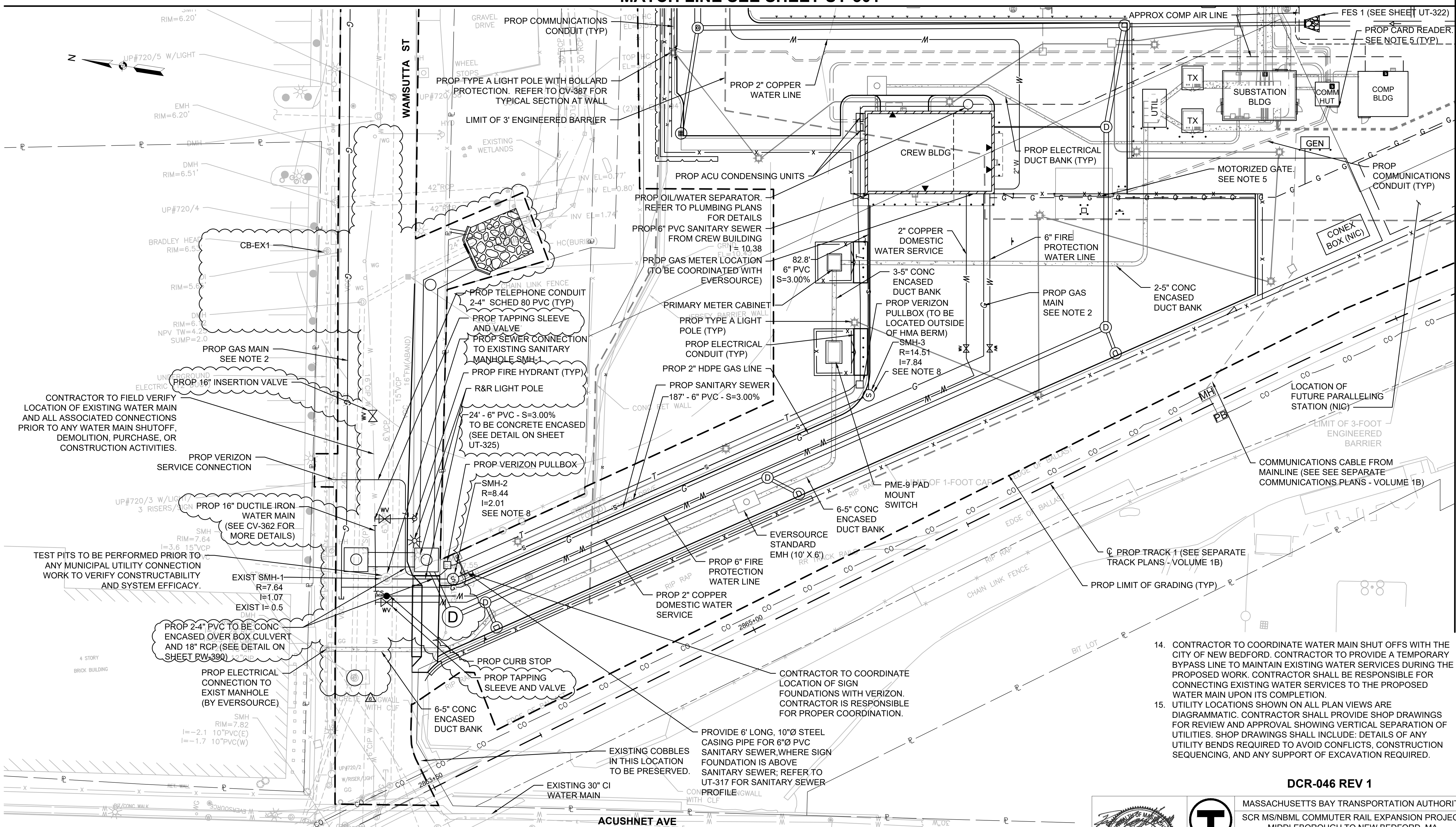
PROJECT MANAGER		Date	PROJECT MANAGER		Date
HORIZ:	AS SHOWN		DES. BY:	DR. BY:	CHK. BY:
VERT:	AS SHOWN		MC	MC	WR
DATE:	09/18/2020		PLAN NO.	312267	ISSUE
			SHEET	CV-342	5

FILE NAME: \\HBI\G\PROJ\BOSTON\12815.00_SCR PM & CM\CAD\SEGMENT3\DWG\CVLAYOVERSHEET FILES\SEGMENT3_CV(GD_WAMSUTTA).DWG

Plotted on June 6, 2022 9:57 AM

MATCH LINE SEE SHEET UT-301

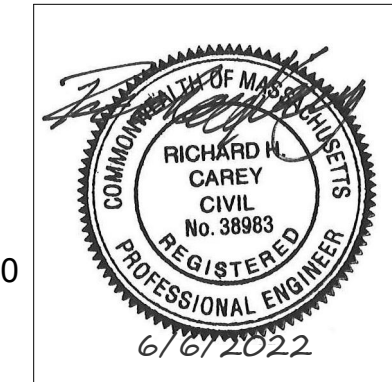
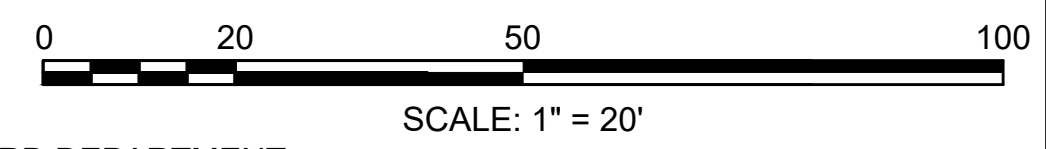
MATCH LINE SEE SHEET UT-303



14. CONTRACTOR TO COORDINATE WATER MAIN SHUT OFFS WITH THE CITY OF NEW BEDFORD. CONTRACTOR TO PROVIDE A TEMPORARY BYPASS LINE TO MAINTAIN EXISTING WATER SERVICES DURING THE PROPOSED WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING EXISTING WATER SERVICES TO THE PROPOSED WATER MAIN UPON ITS COMPLETION.
15. UTILITY LOCATIONS SHOWN ON ALL PLAN VIEWS ARE DIAGRAMMATIC. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL SHOWING VERTICAL SEPARATION OF UTILITIES. SHOP DRAWINGS SHALL INCLUDE: DETAILS OF ANY UTILITY BENDS REQUIRED TO AVOID CONFLICTS, CONSTRUCTION SEQUENCING, AND ANY SUPPORT OF EXCAVATION REQUIRED.

- NOTES:
1. ALL WATER LINES 6" AND LARGER TO BE CLASS 52 DUCTILE IRON UNLESS OTHERWISE NOTED. ALL JOINTS IN CITY OF NEW BEDFORD RIGHT OF WAY TO BE RESTRAINED.
 2. INSTALLATION OF GAS LINE IN WAMSUTTA STREET WILL BE PERFORMED BY EVERSOURCE, INCLUDING TRENCHING, EXCAVATION, GAS LINE EXTENSION, BACKFILL AND ASPHALT TRENCH PAVING. CONTRACTOR TO TRENCH, EXCAVATE AND BACKFILL ON SITE GAS LINE ROUTING TO THE BUILDING AND GENERATOR; EVERSOURCE WILL LAY GAS LINE AND PROVIDE METER TO ATTACHED BUILDING AND GENERATOR. CONTRACTOR IS REQUIRED TO COORDINATE WITH EVERSOURCE.
 3. REFER TO GRADING AND DRAINAGE PLANS FOR LOCATION AND DETAILS OF ALL DRAINAGE PIPES AND STRUCTURES.
 4. REFER TO POWER PLANS FOR DETAILS AND LOCATIONS OF LIGHT POLES, CONDUITS, DUCT BANKS, SWITCH HEATER CABINETS, CABLE TRAYS AND RECEPTACLES, SWITCH HEATERS, MANHOLES, AND PULLBOXES.
 5. REFER TO COMMUNICATIONS PLAN FOR DETAILS AND LOCATIONS OF VIDEO CAMERAS, CARD READERS, CCTV CONDUITS, GATES, AND SECURITY CAMERA POLES.
 6. PROP 2" COPPER WATER LINE TO BE INSTALLED AT A MINIMUM OF 12" FROM PROP LIGHT POLE FOUNDATION AND DRAINAGE STRUCTURES.

7. COORDINATE FINAL CONFIGURATION OF ALL UTILITY WORK WITH EACH UTILITY OWNER/OPERATOR.
8. SMH-2 AND SMH-3 SHALL BE A CONICAL OR FLAT TOP MANHOLE SO THE RIM DOES NOT CONFLICT WITH THE CURB.
9. ALL UTILITIES SHALL CONFORM TO SPECIFIC UTILITY SUPPLIER STANDARDS: ELECTRIC IS BY EVERSOURCE, GAS IS BY EVERSOURCE, TELECOMMUNICATION IS BY VERIZON, WATER AND SEWER IS BY NEW BEDFORD DEPARTMENT OF PUBLIC INFRASTRUCTURE.
10. REFER TO SITE MECHANICAL PLANS FOR LOCATION AND DETAILS OF AIR COMPRESSED HOSE STATIONS.
11. FUTURE CATENARY STRUCTURES ARE SHOWN FOR REFERENCE ONLY. THEY ARE NOT INCLUDED IN THIS CONTRACT. CONTRACTOR SHALL AVOID BUILDING ANY APPURTENANCES THAT WOULD INHIBIT FUTURE CONSTRUCTION OF CATENARY STRUCTURES.
12. CONTRACTOR TO SUPPORT AND PROTECT ALL EXISTING UTILITY LINES CROSSING OVER THE PROPOSED WORK.
13. CONTRACTOR TO PROTECT EXISTING LIGHT POLE CONNECTIONS.



DCR-046 REV 1
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**NEW BEDFORD MAIN LINE
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 UTILITIES PLAN 2**

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PROJECT MANAGER		Date		PROJECT MANAGER		Date	
HORIZ:	AS SHOWN	DES. BY	DF	DR. BY	DF	CHK BY	WR
VERT:	AS SHOWN	DF	DF	WR			
DATE:	09/18/2020						

PLAN NO.	312303	ISSUE	6
SHEET	UT-302		

FILE NAME: \\HVB\G\PROJ\BOSTON\12815.00_SCR PM & CM\CAD\SEGMENT3\DWG\CIVIL\LAYOVERSHEET FILES\SEGMENT3_CV\UT_WAMSUTTA\DWG

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