

ADDENDUM NO. 1
July 31, 2020
225144

RE: **TOWN OF MARLBOROUGH, NEW HAMPSHIRE**
WATER SYSTEM IMPROVEMENTS

FROM: DuBOIS & KING, INC.
P.O. Box 339
Randolph, Vermont 05060
(802) 728-3376

TO: **Prospective Bidders**

This Addendum forms part of the Contract Documents and modifies the original Bidding Documents issued by the Town of Marlborough, for the Water System Improvements project dated May 2020. **Acknowledge receipt of this Addendum in the space provided on Page 1 of the Bid Form. Failure to do so will subject the Bidder to disqualification.**

I. Pre-Bid Meeting

A Pre-Bid meeting was held at the Marlborough Town Office on July 23, 2020 at 10:00 a.m. Attendees are listed on the attached Pre-Bid Meeting Attendance Log. Chuck Goodling, P.E. of DuBois & King, Inc. gave a brief introduction to the project and described key elements. **The following addresses questions received at the pre-bid meeting and additional information and clarifications.**

II. Questions and Answers

Question 1: For the bridge crossing on Water Street, can the Contractor propose to utilize horizontal directional drilling installation (on the upstream side of the bridge) instead of the bridge crossing as designed (on the downstream side of the bridge)?

Answer 1: Contractors should bid the project as currently designed, with the bridge crossing on the downstream side of the bridge. Once the contract has been awarded, the Owner will entertain discussion of an alternative horizontal directional drilling (HDD) approach if the contractor can demonstrate that this would be cost effective and beneficial to the Owner. The contractor would be responsible for the design of the HDD crossing and any associated permits. If there was concurrence that the HDD crossing was beneficial, it would be incorporated into the project and the bridge crossing would be deleted from the project via change order.

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Question 2: What is the engineers estimate?

Answer 2: The engineer's opinion of probable cost is in the range of \$780,000 to \$860,000

Question 3: Will any special restraint be required for the mechanical joints on the expansion joint used in the bridge crossing, or will a typical restraint such as a standard MJ wedge style restraint (i.e. Ford 1400 or equal) be accepted?

Answer 3: Standard MJ is acceptable.

Question 4: Do the American Iron & Steel requirements, Davis-Bacon prevailing wages or Buy America requirements apply to this project?

Answer 4: No, none of these requirements apply to this contract.

Question 5: Are there any domestic material requirements for this project (other than local jurisdictions) that are due to the project being funded by the NH Drinking Water and Groundwater Trust Fund?

Answer 5: No.

III. Additional Information/Clarifications

1. A "STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION (NHDOT) EXCAVATION PERMIT, long form" is required for the work on Water Street, as the water main replacement and bridge crossing are within the state right-of-way. The Contractor is responsible for obtaining this permit. Here is a link to the permit application form:

<https://www.nh.gov/dot/org/operations/highwaymaintenance/documents/longformexcavationpermit11092018.pdf>

Contractor shall complete this permit application and provide any necessary supporting information including application fee, if necessary, as soon as possible after contract award.

It is anticipated that the Excavation Permit that will be issued will include the following requirements:

"I/We, the Contractor, agree to furnish prior to the start of work a continuing Surety Bond in the amount of \$ [REDACTED] dollars guaranteeing the fulfillment of the provisions, instructions, and regulations prescribed herein, and any later instructions that may be issued by the District Engineer during the performance of the work. Following the acceptance of the project by NHDOT, the bond amount may be

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reduced to \$ dollars guaranteeing satisfactory maintenance of the disturbed areas for a period of two (2) years."

The final bond amount (in the yellow highlight area of the statement above) will be identified by NHDOT at the time the Excavation Permit is issued. Contractor is hereby notified of these requirements and shall account for these requirements within "Pay Item 4c. 8" Insulated TR Flex DI Pipe Installed at Bridge Crossing".

If, as a result of this permitting process, NHDOT requires changes to the current design that result in either more or less work than currently identified in the Contract Documents, this will be incorporated into the contract via change order.

2. The Owner will be submitting/obtaining a "Permit by Notification" for work within 250-feet of waters of the state. Once that permit has been issued, any permit conditions shall be incorporated into this construction contract and the Contractor will be responsible for complying with those conditions.
3. The Owner is in the process of obtaining temporary/construction easements and permanent easements at certain locations within the project limits. The approximate location and extent of these easements are identified on the attached set of drawings, using a color-coded legend. Contractor shall contain all project impacts within the limits of these easements.
4. On Granite Street between approximate Sta. 12+50 and Sta. 15+00, the water main alignment is located at the centerline of the roadway in an effort to maximize offset from the existing retaining wall on the uphill side of the road, and the steep bank on the downhill side of the road. The Owner will allow the road to be closed to through traffic while work is being completed in this specific area, with proper signage and advance notification of Owner and Town emergency services. During this period, local traffic must be maintained from both ends of Granite Street. A minimum of one-way traffic is required to be maintained at all other locations.
5. The Contractor is notified that there may be funeral activities at the cemetery on Granite Street during the contract period. If so, Contractor shall make special efforts to coordinate work activities along Granite Street so as not to interfere with funeral activities.
6. The only entrance to and exit from the Marlborough School is at the intersection of Water Street and Fitch Court. Sheet C3 identifies water system improvements that extend into the intersection of Water Street and Fitch Court. When working in and near this intersection, Contractor will be responsible for coordinating work activities with the School and with morning and afternoon bus/vehicular heavy traffic periods associated with student pick-up and drop-off, as well as emergency vehicles, delivery services, school visitors, etc. Contractor shall provide at a minimum, one-way traffic at all times to allow continuous access to/from the school. Owner will not entertain

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- any claim of additional cost or schedule delays that Contractor may feel is associated with these coordination/access requirements.
7. On Sheet C13, the clear off-set from the fascia of the existing bridge superstructure to any obstruction associated with the water main and supporting structure shall be a minimum of 5'-0", which is clarified on the attached sketch. This requires a slight adjustment to the dimensions associated with the "North East Wingwall Elevation" detail. Contractor shall layout the bridge crossing to achieve this minimum clear off-set.
 8. On Sheet C3, there is an existing "cross country" water service that runs to the back side of a home on Granite Street (the home is located near Sta 9+25 on the west side of Granite Street). This service will need to be reconnected to the new water main at or near Sta. 3+60 on Water Street, with new copper water service and new curb stop, and the existing "cross country" water service will remain in service. The number of curb stops and the linear feet of water service piping will be adjusted accordingly during construction. No adjustments to the existing bid form will be made at this time to account for this. Quantity adjustments to the appropriate pay items will be made during construction.
 9. Within the project area on Water Street, there is a commercial apparel business (The Mountain Corporation, located in the building on the northwest corner of the bridge crossing) and the Marlborough School (located at the end of Fitch Court). Both facilities utilize a lot of water in their daily operations. Contractor shall coordinate with the Marlborough Water System Operator to limit the duration of the temporary water main shutdown on Water Street to facilitate connection of the new water main to the existing water main, and schedule this work at a time that is least disruptive to this business and the school.

This document constitutes Addendum 1 for this project.

**PRECONSTRUCTION CONFERENCE
TOWN OF MARLBOROUGH, NH
WATER SYSTEM IMPROVEMENTS
225144-4A-72**

July 23, 2020

ATTENDANCE LOG

(Please Print)

NAME	AFFILIATION & TITLE	PHONE #	E-MAIL ADDRESS
Adam Towne	DBU Constr	(603) 765-9140	atowne@dbu-construction.com
Dana Thompson	Dawsons Excavation	(603) 831-9246	dana@dawsonsexcavation.com
Ellen Smith	Town Administrator	(603) 876-3751	esmith@marlboroughnh.org
Justin Frazier	Water System Operator	(603) 499-3402	frazierjustin@yahoo.com
Craig Cushman	Director of Public Works		cc@marlboroughnh.com
Earl Nelson	Selectman		
Chuck Goodling, P.E.	DuBois & King, Inc	(603) 777-5258	cgoodling@dubois-king.com



NO.	DATE	DESCRIPTION	BY	CK'D

TOWN OF
 MARLBOROUGH
 236 MAIN STREET
 P.O. BOX 487
 MARLBOROUGH, NH
 03455

WATER SYSTEM
 IMPROVEMENTS

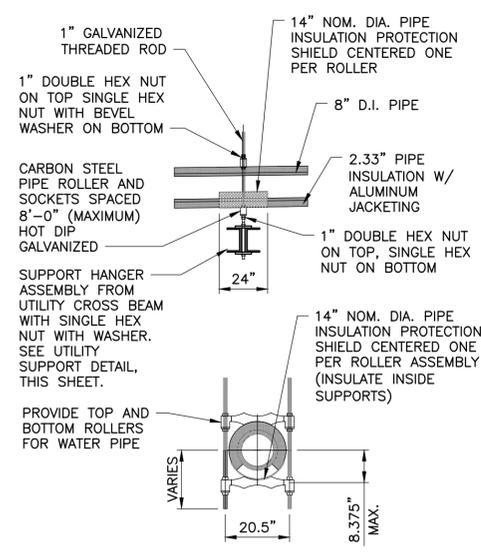
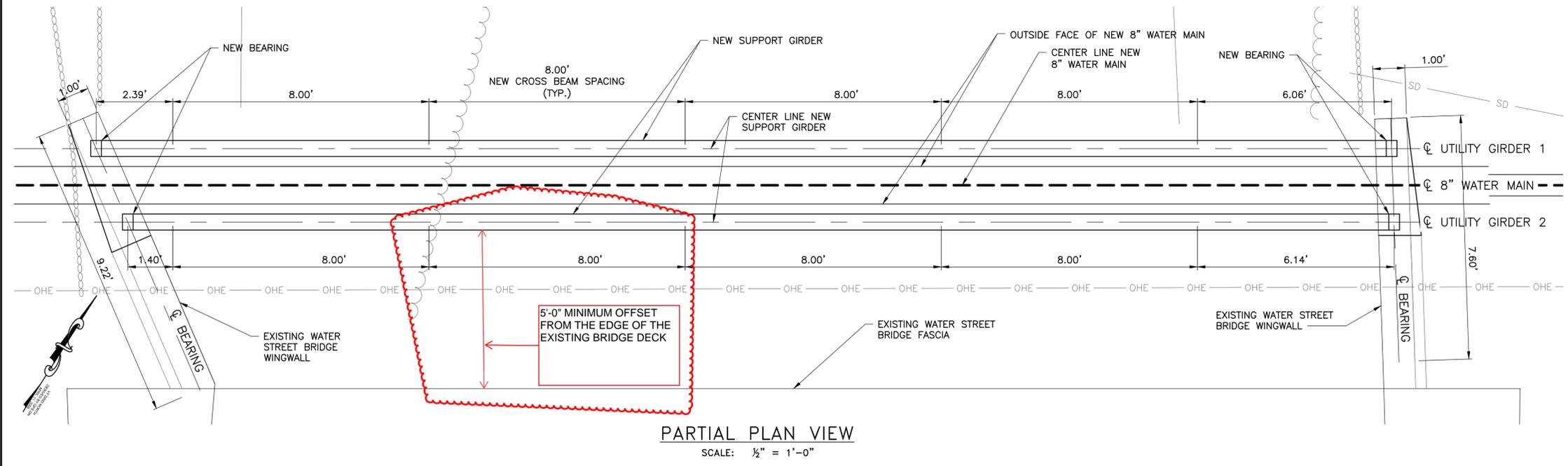
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UTILITY SUPPORT
 DETAILS

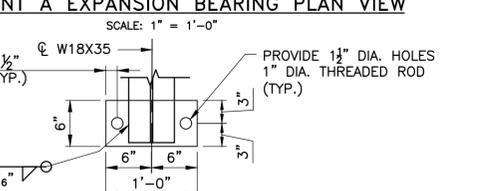
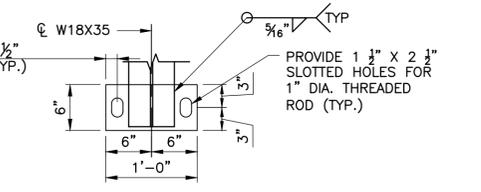
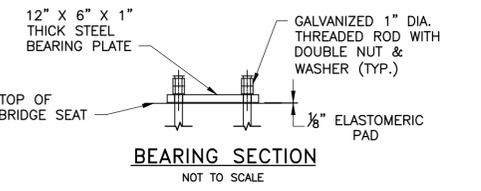
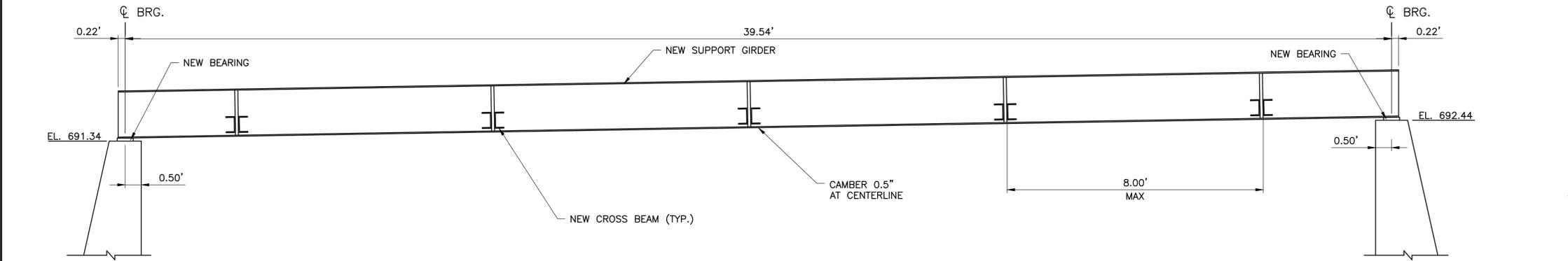
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CED	MAY 2020
CHECKED BY	DBK PROJECT #
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PROJ. ENG.	DBK ARCHIVE #
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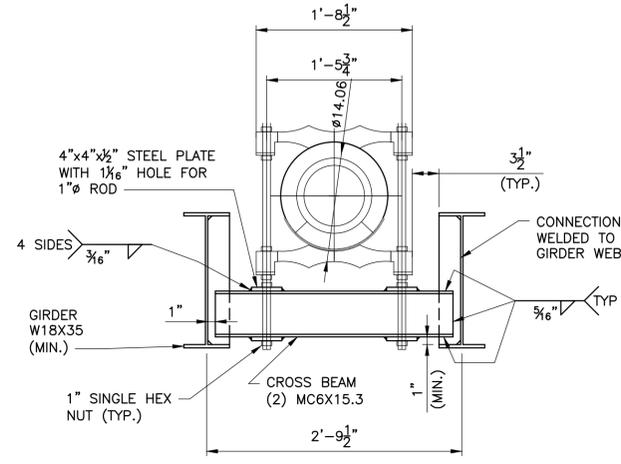
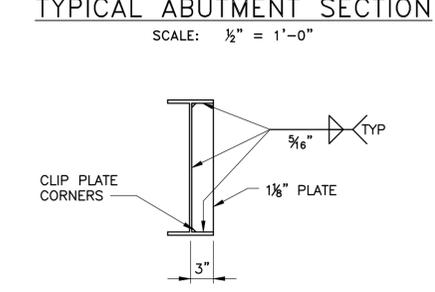
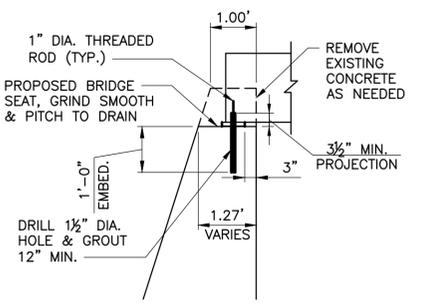
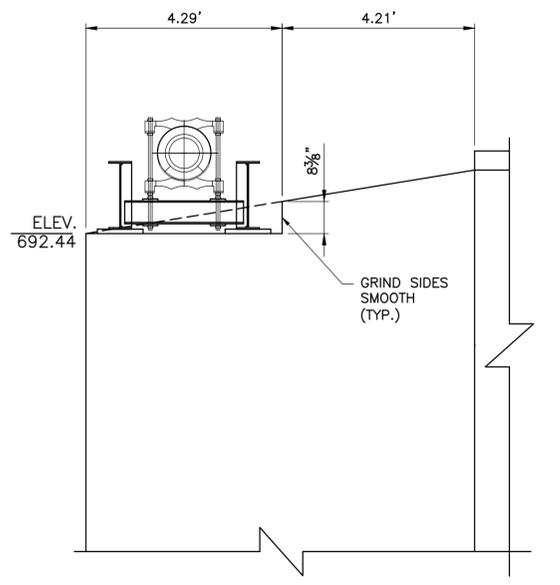
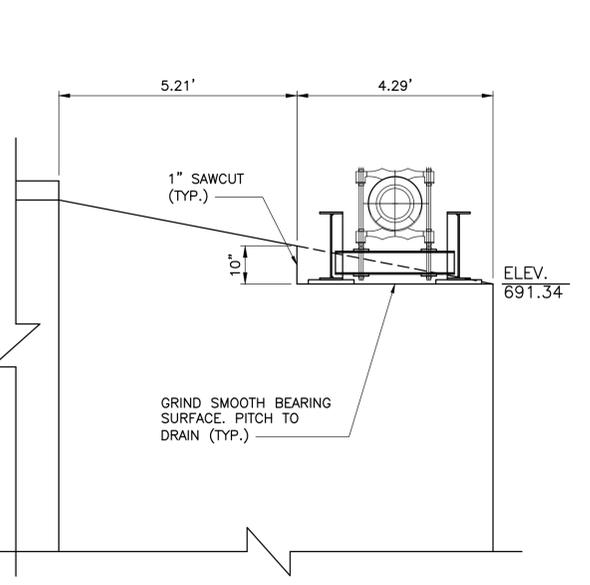
C13



NOTE: PIPE ROLLER SUPPORTS SHALL BE SIZED ACCORDING TO CARRIER PIPE DIMENSIONS WITH 2.33" INSULATION AND ALUMINUM JACKETING



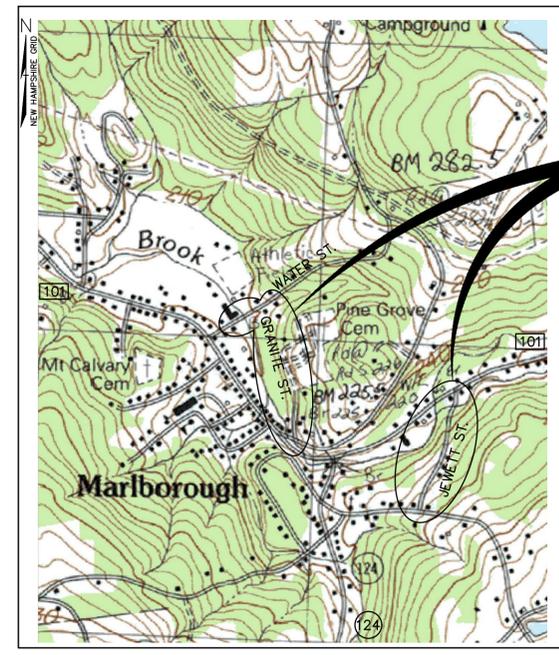
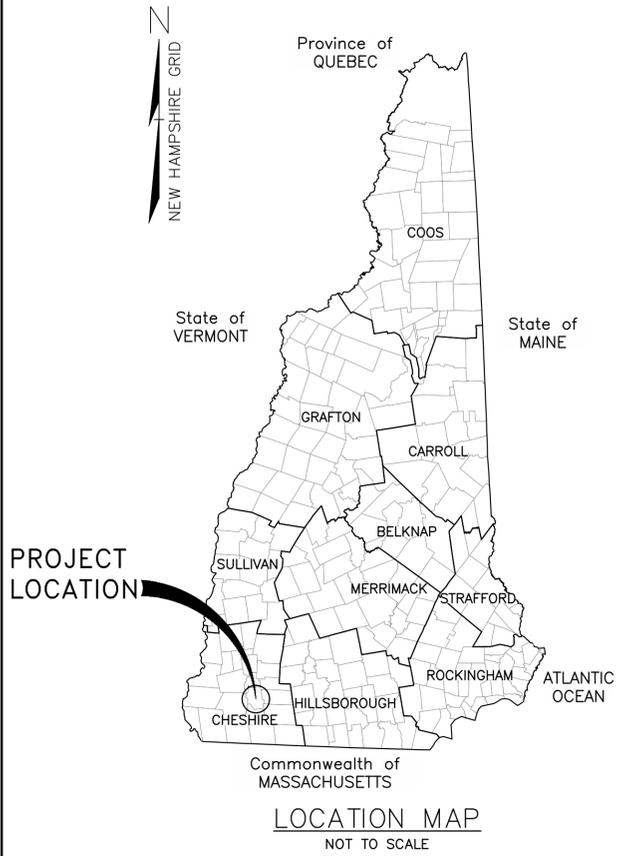
- WATER MAIN SUPPORT NOTES:
- LOAD AND RESISTANCE FACTOR DESIGN (LRFD):
 STRUCTURAL STEEL: ASTM A992, GRADE 50 FY = 50 KSI
 DESIGN LOADING: 85 PLF WATER LINE
 - ALL MISCELLANEOUS STRUCTURAL STEEL FOR UTILITY SUPPORTS SHALL CONFORM TO AASHTO M 270 GRADE 36.
 - ALL FASTENERS SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH AASHTO M 111 AND M 232.
 - ENDS OF BEAMS SHALL BE VERTICAL AFTER APPLICATION OF FULL DEAD LOADS.
 - THE STRUCTURAL STEEL FABRICATORS SHALL BE CERTIFIED UNDER THE AISC QUALITY CONTROL PROGRAM, CATEGORY MBR-MAJOR STEEL BRIDGES.
 - THE CONTRACTOR SHALL TAKE THE PROPER PRECAUTIONS TO ENSURE THE STABILITY OF ALL STRUCTURAL ELEMENTS UNTIL THE TOTAL STRUCTURE IS IN IT'S FINAL LOCATION.
 - NO ATTACHMENT SHALL BE FILLET WELDED, PLUG WELDED, OR TACK WELDED TO THE TENSION FLANGE, OTHER THAN CONNECTION PLATES, WITHIN THESE LIMITS.
 - ELASTOMERIC BEARING PADS SHALL BE VIRGIN NATURAL RUBBER, HARDNESS (SHORE "A" DUROMETER) OF 60.
 - THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND PRODUCT LITERATURE (MANUFACTURER'S LITERATURE, CUT SHEETS, APPLICATION PROCEDURES, ETC.) FOR ALL PRODUCTS PROPOSED FOR USE ON THE PROJECT, FOR ACCEPTANCE BY THE ENGINEER.
 - EXTREME CAUTIONS SHALL BE TAKEN NOT TO DAMAGE PORTIONS OF THE EXISTING STRUCTURE THAT ARE TO REMAIN. ANY DAMAGE SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER AND REPAIRED AS DIRECTED AT THE CONTRACTOR'S EXPENSE.
 - ALL DIMENSIONS AND FIELD CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF THE WORK (V.I.F. = VERIFY IN FIELD).
 - WELDS/ELECTRODES SHALL CONFORM TO E70XX.
 - ALL STRUCTURAL STEEL TO BE SHOP PRIMED AND PAINTED (2 COATS TOTAL) WITH A ZINC RICH RUST PREVENTATIVE COATING (TNEMC OR EQUAL).



TOWN OF MARLBOROUGH MARLBOROUGH, NH

WATER SYSTEM IMPROVEMENTS

DWGT-29 MAY 2020



PROJECT AREA MAP
 SCALE: 1" = 1000' ±



engineering
 planning
 management
 development

LEGEND:

- RECOMMENDED TEMPORARY EASEMENT
- RECOMMENDED PERMANENT EASEMENT
- RIGHT-OF-WAY (APPROXIMATE)
- PROPERTY LINE (APPROXIMATE)

NOTE:
 ROAD RIGHT-OF-WAY AND PROPERTY LINE LOCATIONS ARE APPROXIMATE AND BASED ON INFORMATION FROM THE TOWN OF MARLBOROUGH

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**RECOMMENDED
 EASEMENT PLANS 5/13/20
 NOT FOR CONSTRUCTION**



NO.	DATE	BY	CK'D	DESCRIPTION

TOWN OF
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 236 MAIN STREET
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WATER SYSTEM
 IMPROVEMENTS

SHEET TITLE
 TITLE SHEET

DRAWN BY EBS	DATE MAY 2020
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PROJ. ENG. NJS	D&K ARCHIVE #

SHEET NUMBER

C1



NO.	DATE	DESCRIPTION	BY	CK'D

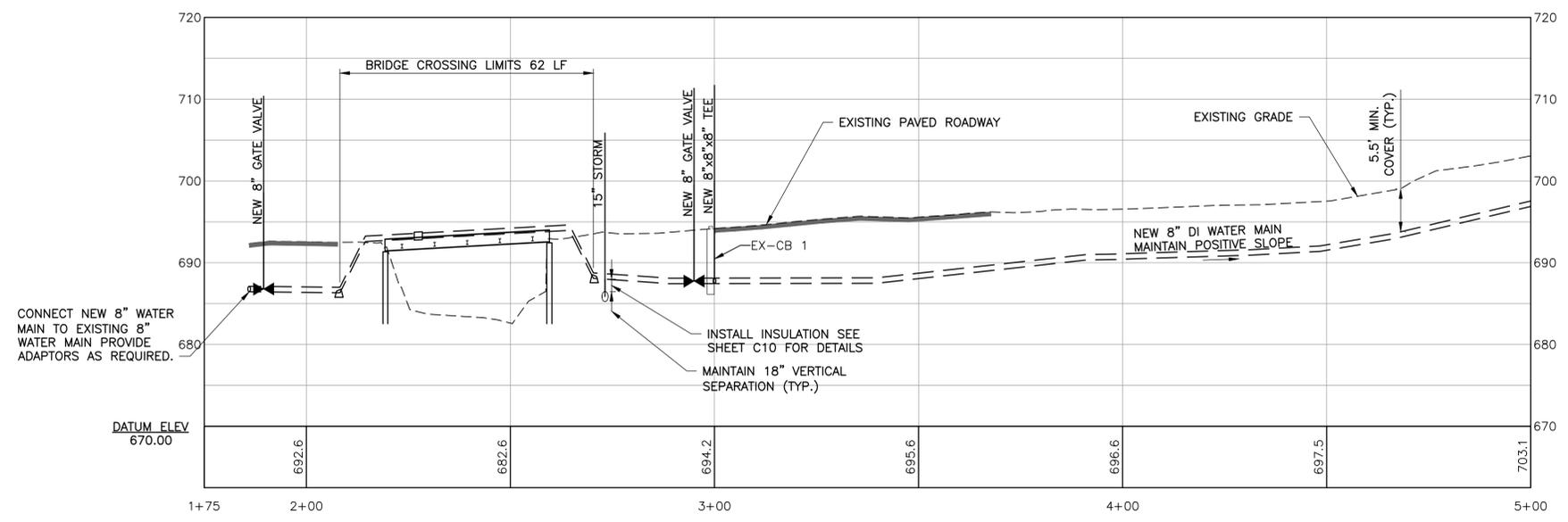
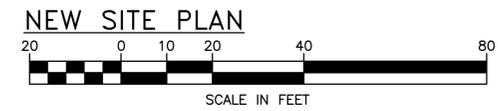
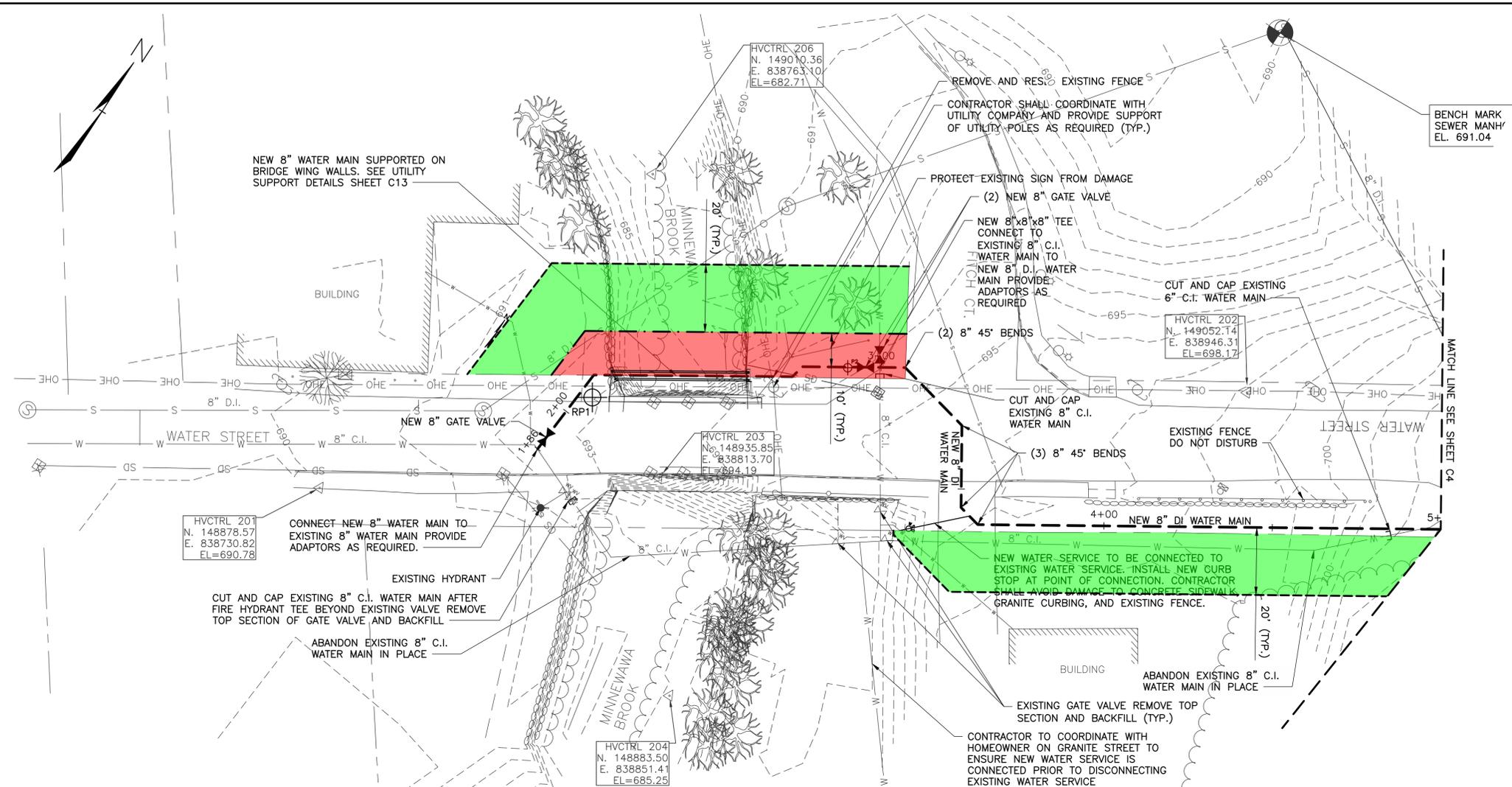
TOWN OF MARLBOROUGH
 236 MAIN STREET
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WATER SYSTEM IMPROVEMENTS

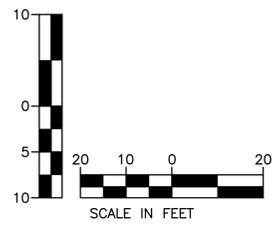
SHEET TITLE
 WATER STREET
 PLAN AND PROFILE

DRAWN BY	DATE
EBS	MAY 2020
CHECKED BY	D&K PROJECT #
CKG	225144
PROJ. ENG.	D&K ARCHIVE #
NJS	

SHEET NUMBER
C3
 SHEET 3 OF 13



WATER STREET PROFILE



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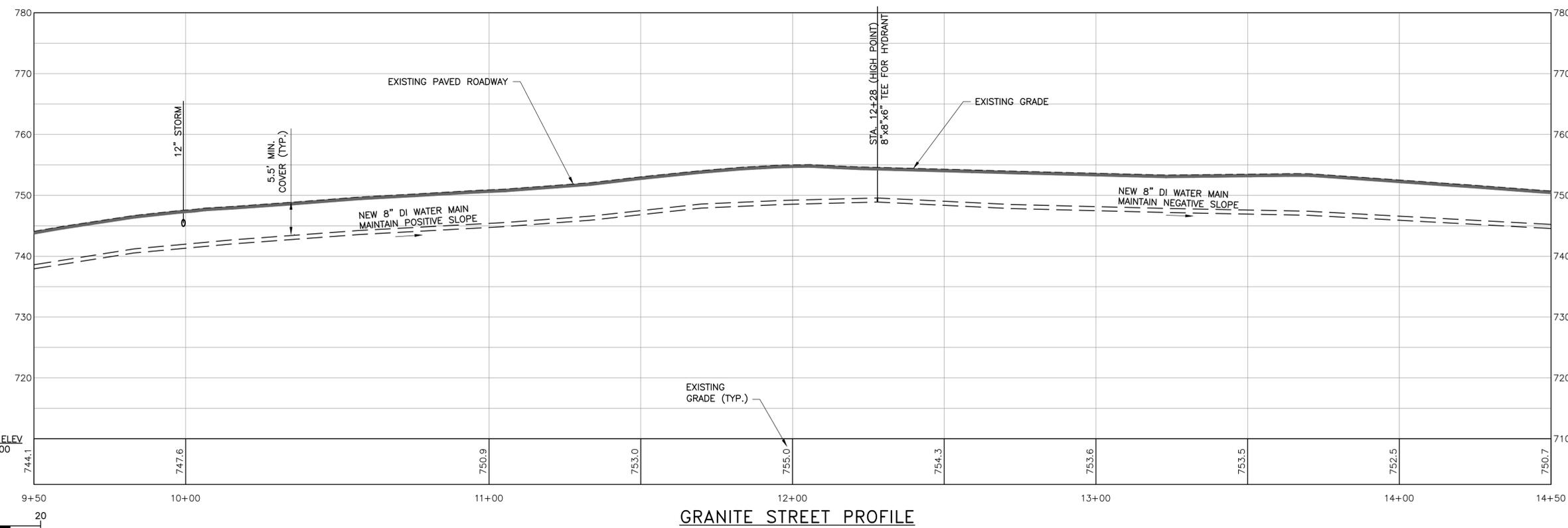
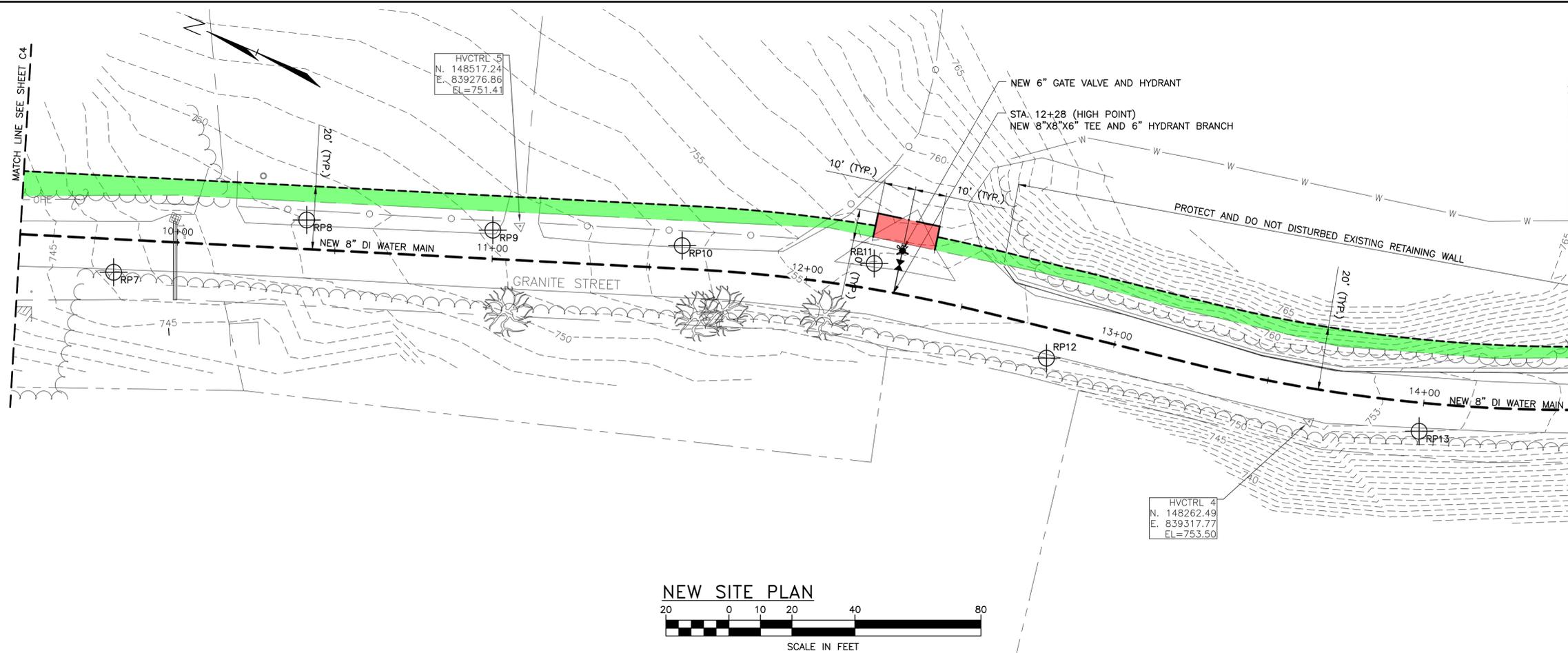
WATER SYSTEM
IMPROVEMENTS

SHEET TITLE
GRANITE STREET
PLAN AND PROFILE
SHEET 2 OF 3

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SHEET NUMBER

C5





NO.	DATE	DESCRIPTION	BY	CHK'D

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236 MAIN STREET
P.O. BOX 487
MARLBOROUGH, NH
03455

WATER SYSTEM
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SHEET TITLE
GRANITE STREET
PLAN AND PROFILE
SHEET 3 OF 3

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CKG	225144
PROJ. ENG.	D&K ARCHIVE #
NJS	

SHEET NUMBER

C6

NOTE:
THE LOCATION OF THE EXISTING SEWER MAIN ON GRANITE STREET HAS NOT BEEN VERIFIED AND IS SHOWN BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL LOCATE THE EXISTING SEWER MAIN AND ENSURE THE NEW WATER MAIN IS ROUTED TO MAINTAIN THE REQUIRED HORIZONTAL OFFSET FROM THE SEWER MAIN AND MANHOLES. AN ADJUSTMENT TO THE NEW WATER MAIN ALIGNMENT AS SHOWN MAY BE REQUIRED.

NEW WATER SERVICE TO BE CONNECTED TO EXISTING WATER SERVICE. INSTALL NEW CURB STOP AT POINT OF CONNECTION.

NEW WATER SERVICE TO BE CONNECTED TO EXISTING WATER SERVICE. INSTALL NEW CURB STOP AT POINT OF CONNECTION.

CONTRACTOR TO FIELD VERIFY LOCATION OF SANITARY SEWER AND COORDINATE WITH RESIDENT ENGINEER IF 10' OF SEPARATION FROM THE WATER MAIN CANNOT BE MAINTAINED

NEW 8" GATE VALVE

ABANDON EXISTING 6" D.I. AND 1 1/2" GALV. WATER MAIN IN PLACE (TYP.)

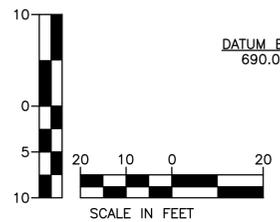
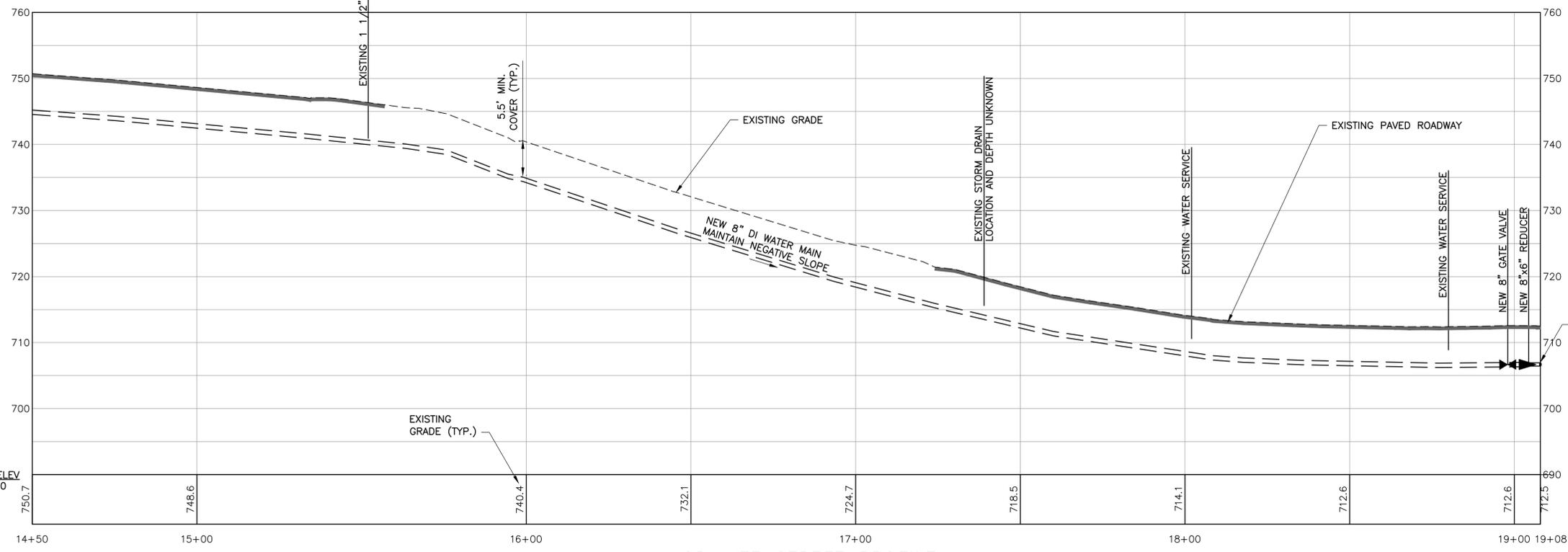
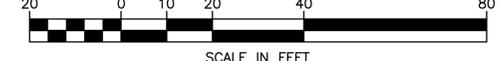
NEW WATER SERVICE TO BE CONNECTED TO EXISTING WATER SERVICE. INSTALL NEW CURB STOP AT POINT OF CONNECTION.

CUT AND CAP EXISTING 6" D.I. WATER MAIN

CONNECT NEW 8" WATER MAIN TO EXISTING 6" WATER MAIN PROVIDE ADAPTORS AS REQUIRED.

APPROXIMATE LOCATION OF EXISTING HYDRANT LOCATED AT THE CORNER OF MAIN STREET & CHURCH STREET

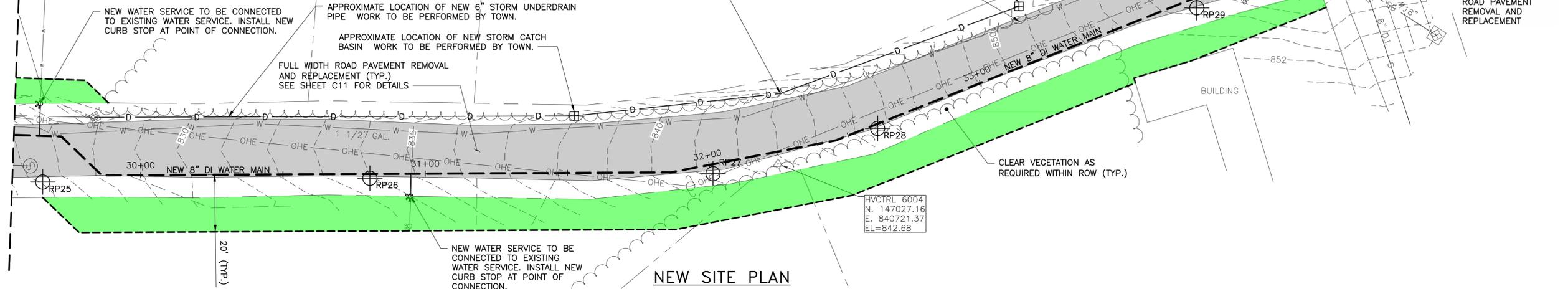
NEW SITE PLAN



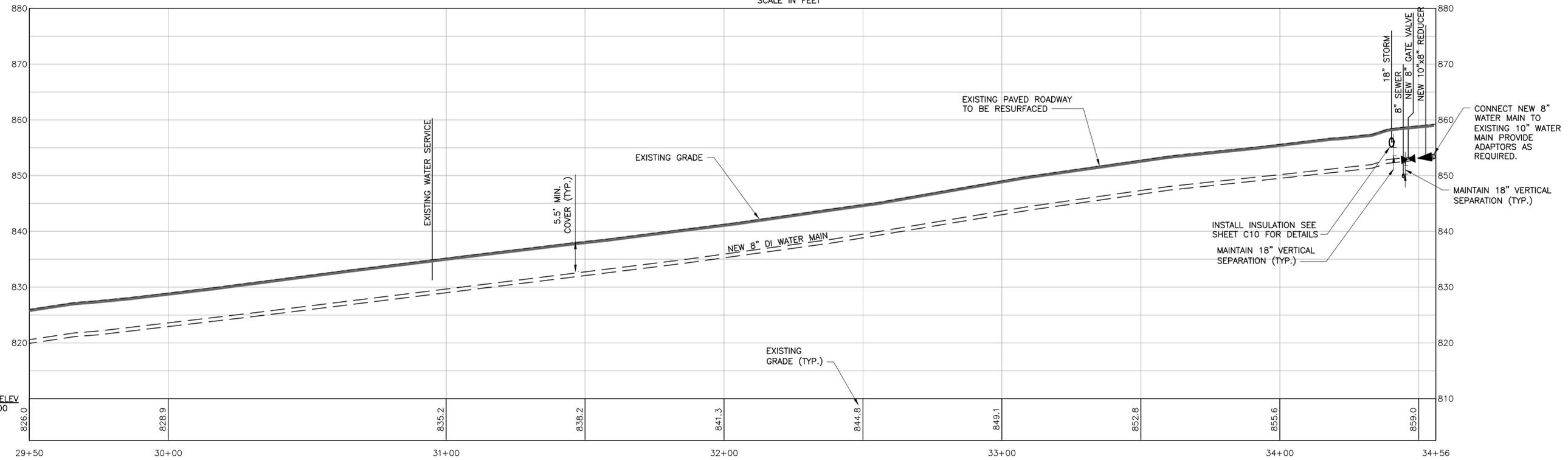
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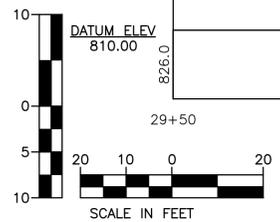
MATCH LINE SEE SHEET C8



NEW SITE PLAN



JEWETT STREET PROFILE



DuBois & King inc.
 ENGINEERING • PLANNING •
 MANAGEMENT • DEVELOPMENT
 28 NORTH MAIN ST.
 RANDOLPH, VT 05060
 TEL: (802) 728-3376
 FAX: (802) 783-7101
 www.dubois-king.com
 SO. BURLINGTON, VT
 SPRINGFIELD, VT
 BEDFORD, NH
 LACONIA, NH
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TOWN OF
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 236 MAIN STREET
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WATER SYSTEM
 IMPROVEMENTS

SHEET TITLE
 JEWETT STREET
 PLAN AND PROFILE
 SHEET 3 OF 3

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C9

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