



TOWN OF BRAINTREE DPW ENGINEERING DIVISION QUINCY AVENUE WATER MAIN REPLACEMENT PROJECT CONTRACT W22-1

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WATER & SEWER SUPERINTENDENT
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GOVERNING STANDARD DOCUMENTS

The Commonwealth of Massachusetts Department of Transportation Standard Specifications for Highways and Bridges, 2020 Edition,
MassDOT "Construction Standard Details", October 2017
"2009 Manual on Uniform Traffic Control Devices, w/Revisions 1 & 2, MAY 2012"
"Massachusetts Amendments to 2009 Manual on Uniform Traffic Control Devices, January, 2012"
1996 "Construction and Traffic Standard Details"
1990 "Standard Drawings for Signs and Supports"
1968 "Standard Drawings for Traffic Signals and Highway Lighting"
ANSI 260.1-1986 American Standard For Nursery Stock

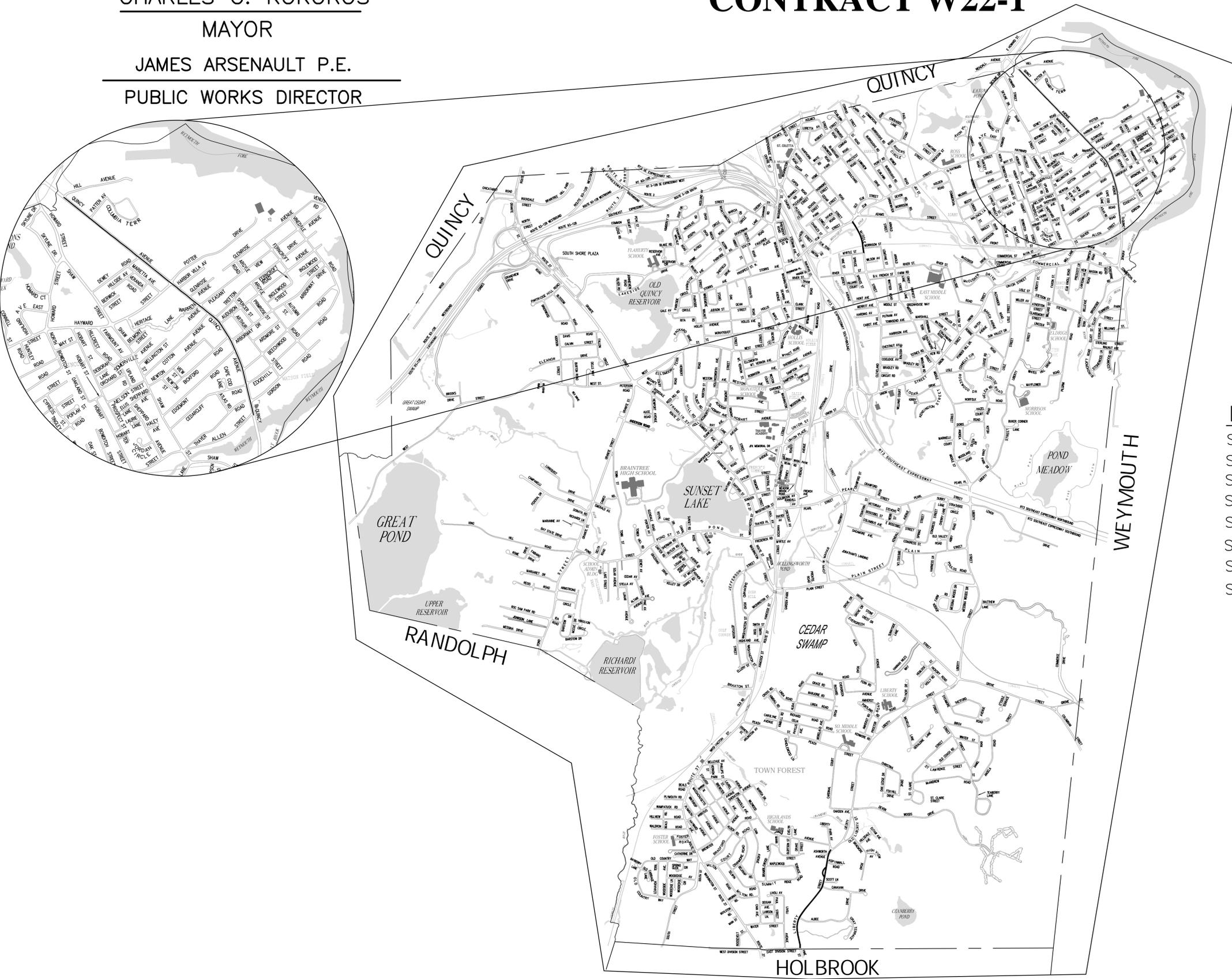
And the latest revisions thereto shall govern.

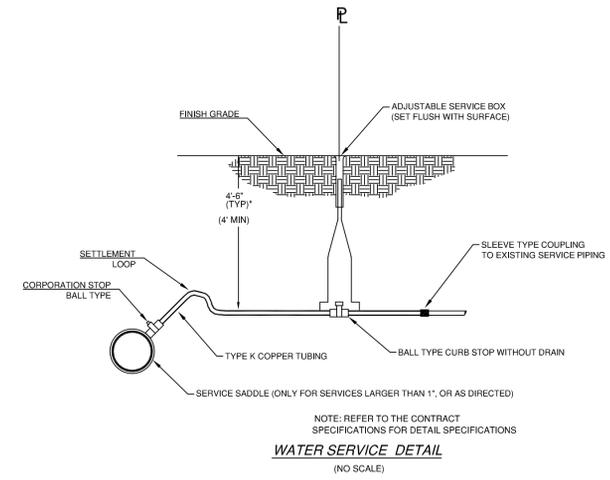
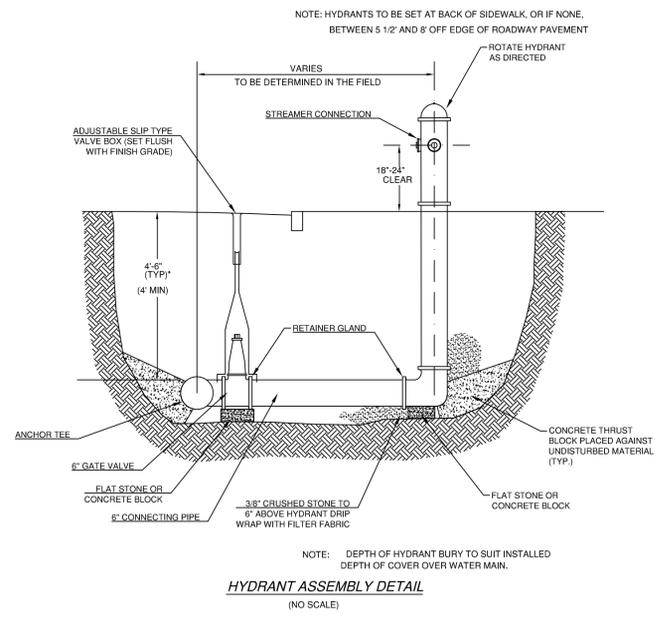
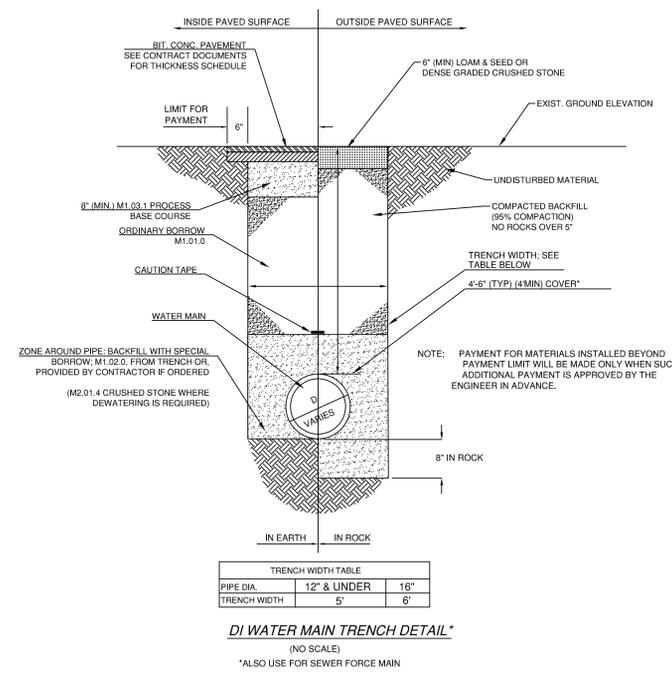
LIST OF DRAWINGS

- SHEET 1: TITLE SHEET
- SHEET 2: DETAILS-NOTES-LEGEND
- SHEET 3: MONATIQUOT TO EDGE HILL ROAD
- SHEET 4: EDGE HILL ROAD TO BICKFORD STREET
- SHEET 5: BICKFORD STREET TO PLEASANT VIEW AVENUE
- SHEET 6: BICKFORD STREET TO #314 QUINCY AVENUE
- SHEET 7: #318-#410 QUINCY AVENUE
- SHEET 8: #4429 QUINCY AVENUE TO HILL AVENUE

DATE: MARCH 24, 2022
REVISED: APRIL 13, 2022
DESIGNED BY: JOHN E. O'BRIEN

LENGTH = 1 MILE



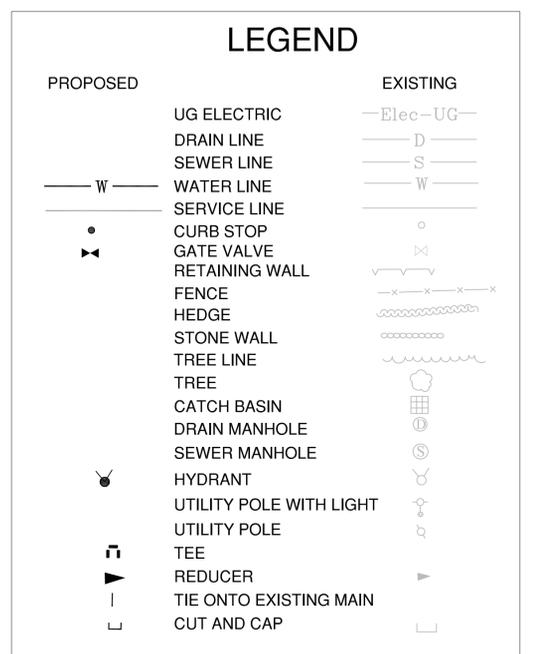


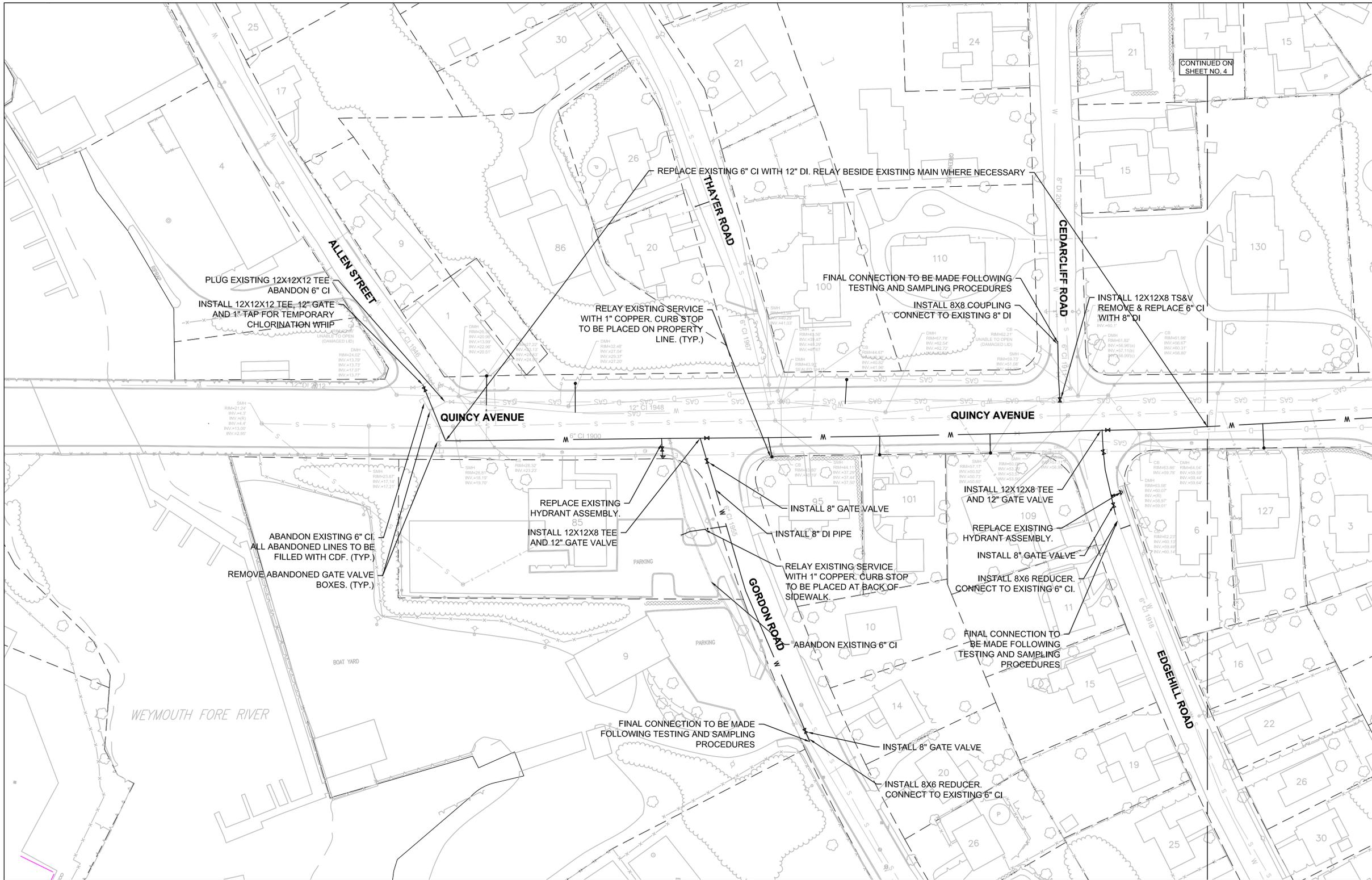
GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH MassDOT-HIGHWAY STANDARDS AND AWWA WATER STANDARD.
2. THE CONTRACTOR WILL NOT BE ALLOWED TO PARK OR STOCKPILE EQUIPMENT ON THE TRAVELED WAYS OVERNIGHT OR WHEN NOT IN USE.
3. REASONABLE PEDESTRIAN AND VEHICULAR TRAFFIC MUST BE MAINTAINED AT ALL TIMES.
4. ALL PUBLIC AND PRIVATE UTILITIES SHALL BE CONTINUOUSLY MAINTAINED AND PROTECTED DURING CONSTRUCTION.
5. BASELINE LAYOUT WORK SHALL BE PERFORMED BY THE TOWN OF BRAINTREE DPW-ENGINEERING DIVISION.
6. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL SURVEY BOUNDS AND MARKERS DURING CONSTRUCTION.
7. THE VERIFICATION OF ALL EXISTING UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
8. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING DIG SAFE AND ALL UNREGISTERED UTILITIES PRIOR TO DIGGING.
9. IN PREPARING HIS BID THE CONTRACTOR WILL MAKE INVESTIGATIONS OF SUB-SURFACE CONDITIONS, INCLUDING THE LOCATION OF ROCK AND THE ACTUAL LOCATION OF UTILITIES OR OTHER FEATURES WHICH MAY AFFECT THE WORK.
10. THE CONTRACTOR SHALL CAUSE AS LITTLE INTERFERENCE AND INCONVENIENCE TO ABUTTERS AS POSSIBLE. THE CONTRACTOR SHALL MAINTAIN SAFE AND CONVENIENT ACCESS TO PRIVATE PROPERTY AT ALL TIMES.

UTILITY NOTES

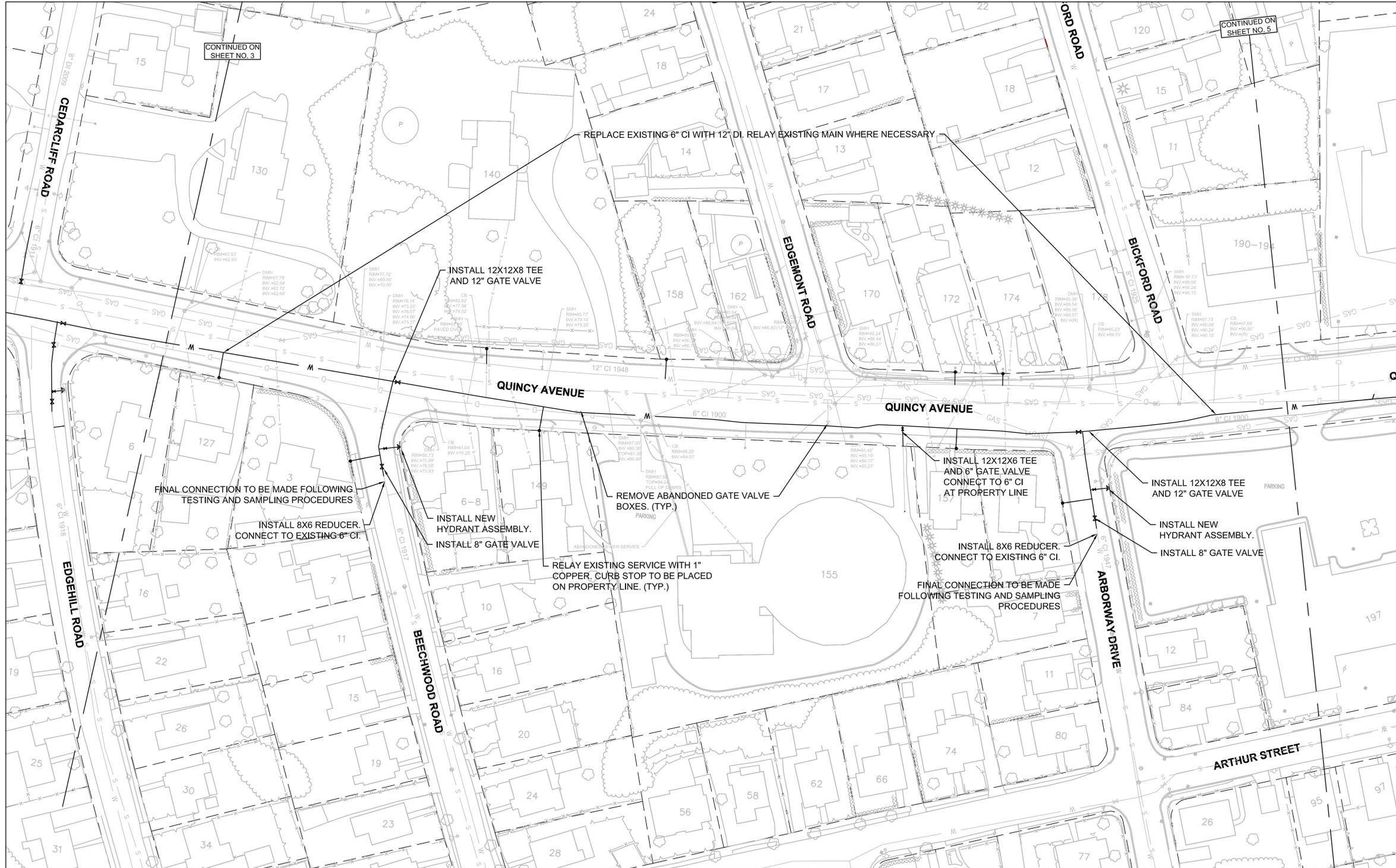
1. IN PREPARING HIS BID THE CONTRACTOR WILL MAKE INVESTIGATIONS OF SUB-SURFACE CONDITIONS, INCLUDING THE LOCATION OF ROCK AND THE ACTUAL LOCATION OF UTILITIES OR OTHER FEATURES WHICH MAY AFFECT THE WORK.
2. INFORMATION ON EXISTING WATER UTILITIES SHOWN ON THE DRAWINGS WAS TAKEN FROM TOWN PLANS AND IS APPROXIMATE ONLY. OTHER UNDERGROUND UTILITIES ARE NOT FULLY SHOWN. THEIR LOCATION SHALL BE IDENTIFIED THROUGH THE DIG-SAFE PROCESS.
3. UNDERGROUND UTILITIES TO HOUSES ARE NOT FULLY SHOWN. THE EXACT LOCATION OF SERVICE CONNECTIONS ARE TO BE DETERMINED IN THE FIELD THROUGH THE DIG-SAFE PROCESS.
4. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING DIG SAFE AND ALL UNREGISTERED UTILITIES PRIOR TO DIGGING AND IS RESPONSIBLE TO REFRESH THE MARKINGS BEFORE THEY FADE OUT.
5. EQUIPMENT OPERATORS MUST BE AWARE OF THE DANGERS ASSOCIATED WITH TRANSMISSION LINES. THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES AND SERVICES WITH UTILITY OWNERS AND SHALL COMPLY WITH THEIR REQUIREMENTS FOR PROTECTION OF UTILITIES.
6. THE CONTRACTOR SHALL EXCAVATE TEST PITS AS NECESSARY AND APPROVED IN ADVANCE OF THIS WORK TO DETERMINE ACTUAL DEPTH AND LOCATION OF EXISTING UTILITIES AND SERVICES. APPROVAL OF TEST PIT WORK SHALL NOT BE UNREASONABLY WITHHELD.
7. THE CONTRACTOR SHALL IMMEDIATELY REPAIR ANY DAMAGE TO EXISTING UTILITIES RESULTING FROM HIS WORK, AT NO EXPENSE TO THE TOWN.
8. THE FINAL LOCATION OF THE PROPOSED WATER MAIN, VALVES, FITTINGS, HYDRANTS AND SERVICES WILL DEPEND ON ACTUAL FIELD CONDITIONS.
9. PRIOR TO ORDERING MATERIALS FOR CONNECTING TO EXISTING MAINS AND SERVICES, THE CONTRACTOR SHALL VERIFY THE SIZE OF ALL PIPES WHERE CONNECTIONS ARE TO BE MADE.
10. THE TYPICAL COVER OVER THE PROPOSED WATER MAIN SHALL BE 4.5 FEET UNLESS OTHERWISE NOTED OR DIRECTED BY THE TOWN.
11. THE CONTRACTOR SHALL MAXIMIZE JOINT SPACING WHEN CROSSING EXISTING SEWER MAINS TO MINIMIZE RISK OF FUTURE CROSS CONTAMINATION.
12. EDGES AT ALL PERMANENT TRENCH REPAIRS ARE TO BE SAWCUT.
13. ALSO SAWCUT AT MATCH LINES TO EXISTING STREET AND DRIVEWAY PAVEMENTS TO REMAIN, AND PROVIDE REASONABLY DRIVEABLE TRANSITIONS TO PAVEMENTS AT ALL TIMES (UTILITY WORK, RECLAMATION, BINDER COURSE, AND PERMANENT TRENCH REPAIR).
14. WATER MAINS NOT REMOVED IN CONSTRUCTION OF THE NEW MAINS ARE TO BE ABANDONED IN PLACE. AT THAT TIME THE CONTRACTOR SHALL REMOVE VALVE BOXES ACCESSING ONLY THE ABANDONED MAIN.





CONTINUED ON SHEET NO. 4





CONTINUED ON SHEET NO. 3

CONTINUED ON SHEET NO. 5

REPLACE EXISTING 6" CI WITH 12" DI. RELAY EXISTING MAIN WHERE NECESSARY

INSTALL 12X12X8 TEE AND 12" GATE VALVE

FINAL CONNECTION TO BE MADE FOLLOWING TESTING AND SAMPLING PROCEDURES

INSTALL 8X6 REDUCER. CONNECT TO EXISTING 8" CI.

INSTALL NEW HYDRANT ASSEMBLY. INSTALL 8" GATE VALVE

REMOVE ABANDONED GATE VALVE BOXES. (TYP.)

RELAY EXISTING SERVICE WITH 1" COPPER. CURB STOP TO BE PLACED ON PROPERTY LINE. (TYP.)

INSTALL 12X12X6 TEE AND 6" GATE VALVE. CONNECT TO 6" CI AT PROPERTY LINE

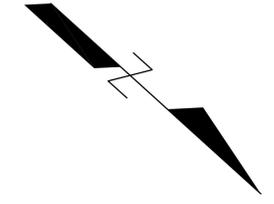
INSTALL 8X6 REDUCER. CONNECT TO EXISTING 6" CI.

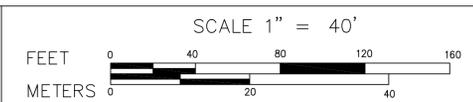
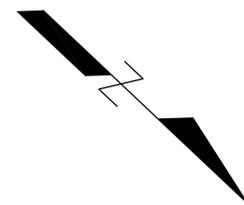
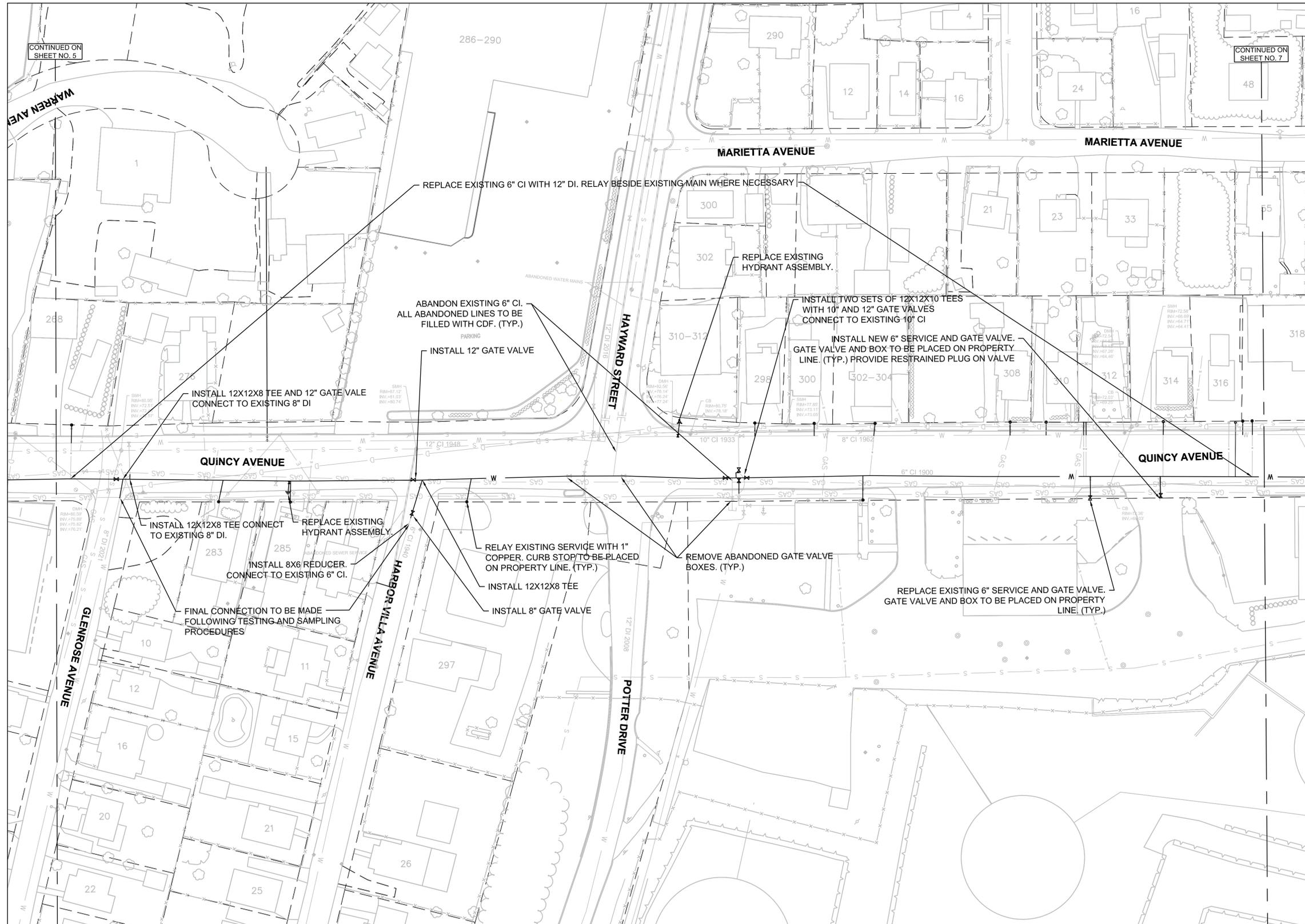
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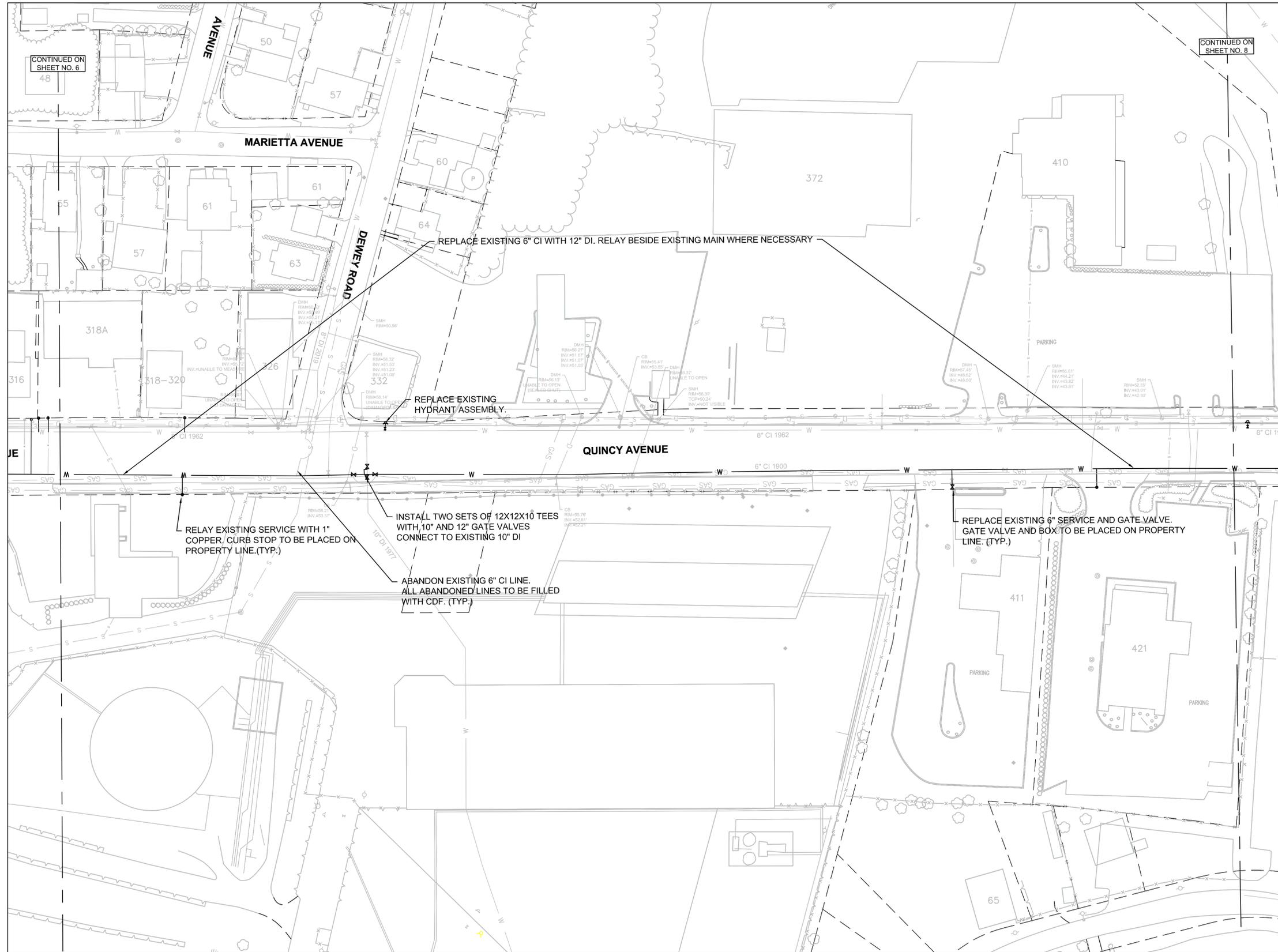
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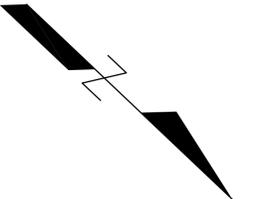






CONTINUED ON SHEET NO. 6

CONTINUED ON SHEET NO. 8



SCALE: 1" = 40'	DESIGNED BY	DRAWN BY	CHECKED BY	SHEET 7 OF 8
DATE: 3/24/2022	JG	CT	JT	CONTRACT NO. W99.1

