

TOWN OF ARLINGTON

BID #21-30
2020 WATER DISTRIBUTION
SYSTEM IMPROVEMENTS -
VARIOUS LOCATIONS

JUNE 28, 2021

PLAN LIST:

COVER - SHEET 1

BROADWAY - SHEETS 2

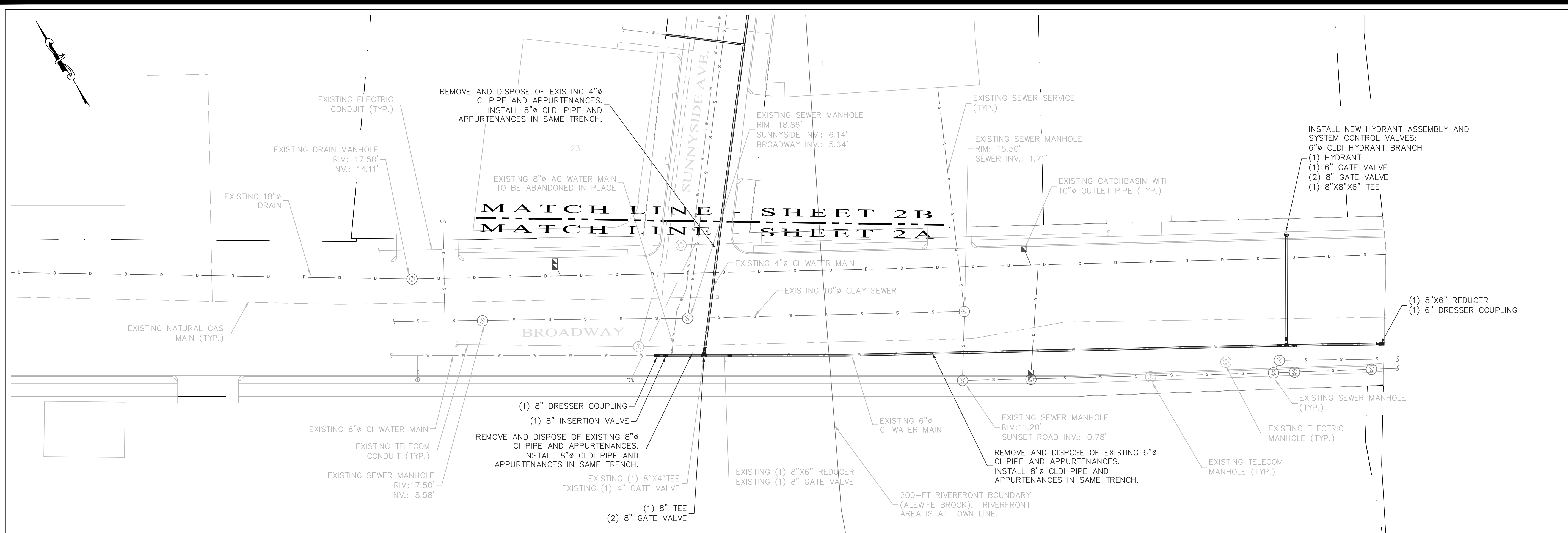
SUNNYSIDE AVENUE - SHEETS 2-4

MEMORIAL WAY - SHEET 4

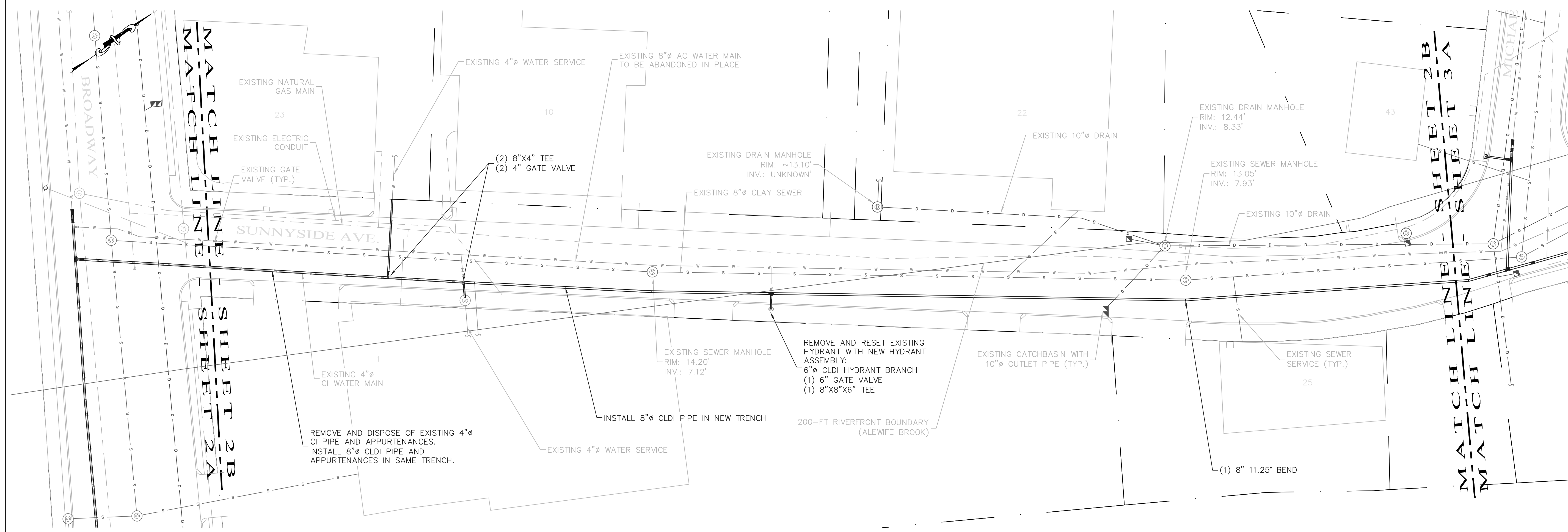
GARDNER STREET - SHEETS 5-6

DECATUR STREET - SHEETS 7-8 (BID ALTERNATE)

GENERAL NOTES AND TYPICAL CONSTRUCTION DETAILS: SHEET 9



PLAN 2A - BROADWAY
SCALE: 1"=20'



PLAN 2B - SUNNYSIDE AVENUE
SCALE: 1"=20'

NOTES

- Broadway has a concrete base below the asphalt. Contractor shall assume they may encounter approximately one (1) foot deep concrete in all trench work on Broadway.
- Broadway has two sets of buried trolley tracks in the middle of the roadway. Contractor shall assume cutting trolley tracks shall be required to complete the work on Broadway.
- Existing water main pipe on Sunnyside Avenue is predominantly asbestos cement (AC). Contractor shall expect to handle, remove, and dispose of AC pipe exposed in trenches and as otherwise called out in the plan. Contractor shall have all necessary licensure for handling AC asbestos containing materials.
- Segments of existing water main, sewer main, and drain in Sunnyside Avenue are located within the same trench.
- Bury depth of water main is expected to be approximately six (6) feet.
- No fueling of equipment shall be allowed within the 200-FT Riverfront Resource Area Boundaries.
- Sidewalks on Broadway and Sunnyside Avenue on this plan are predominantly constructed of concrete.
- Work hours on Broadway will be limited from 9 AM to 3 PM unless otherwise approved by the Engineering Division and/or the Arlington Police Department.

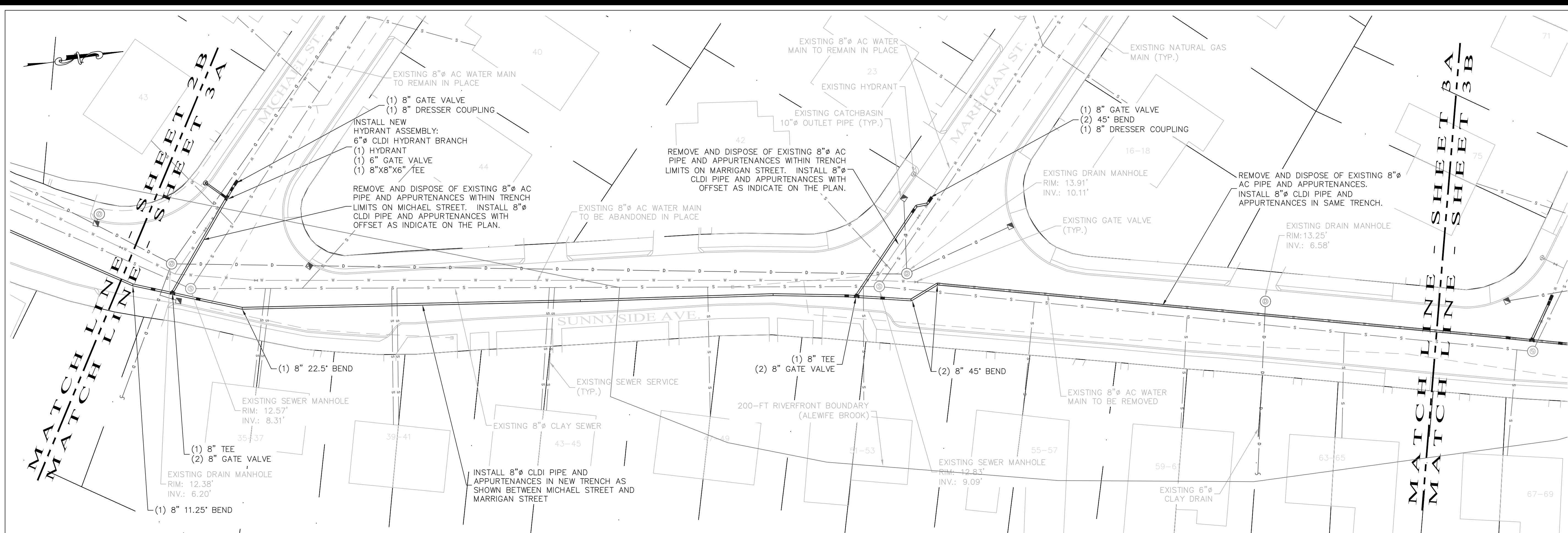
No.	Revision/Issue	Date

Town of
ARLINGTON
Engineering Division
51 Grove Street
Arlington, MA 02476

2020 WATER DISTRIBUTION SYSTEM IMPROVEMENTS

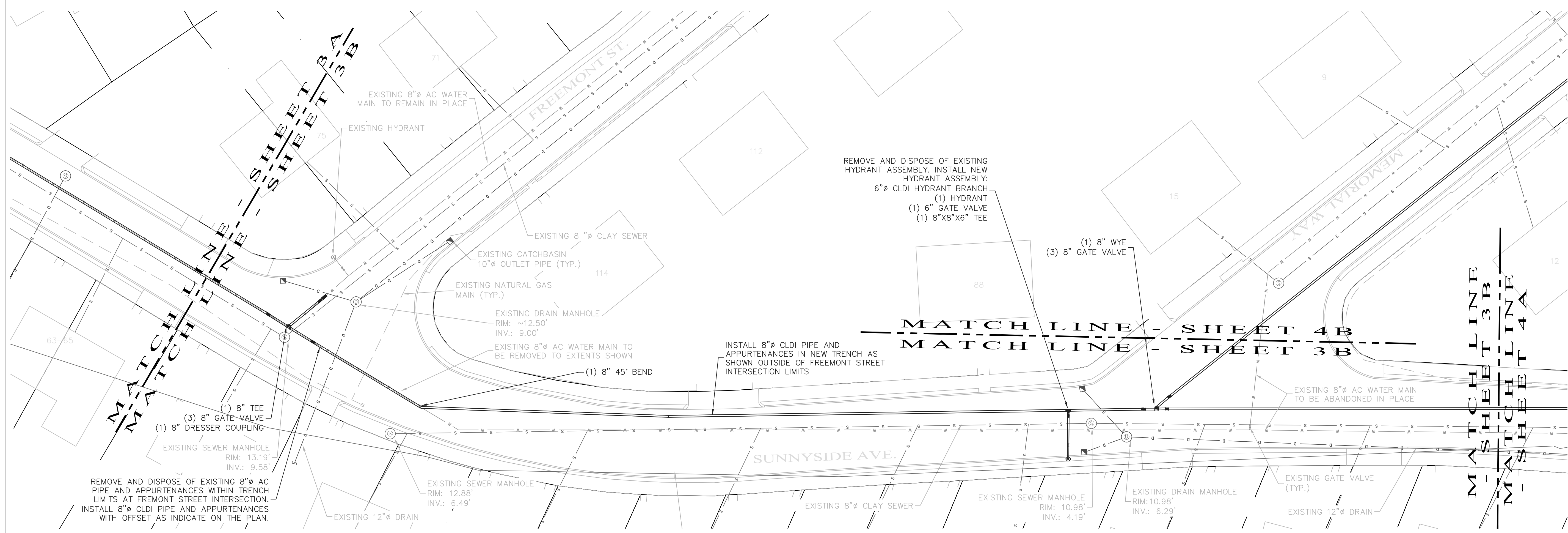
BROADWAY & SUNNYSIDE AVENUE

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PLAN 3A - SUNNYSIDE AVENUE

SCALE: 1"=20'



PLAN 3B - SUNNYSIDE AVENUE

SCALE: 1"=20'

NOTES

- Existing water main pipe on Sunnyside Avenue is predominantly asbestos cement (AC). Contractor shall expect to handle, remove, and dispose of AC pipe exposed in trenches and as otherwise called out in the plan. Contractor shall have all necessary licensure for handling AC asbestos containing materials.
- Segments of existing water main, sewer main, and drain in Sunnyside Avenue are located within the same trench.
- Bury depth of water main is expected to be approximately six (6) feet.
- Sidewalks on the section of Sunnyside Avenue shown on this plan were recently replaced or installed. Contractor shall connect new copper services within the street limits to existing pipe with a union. New curb stops will not be required and sidewalks should not be disturbed. If sidewalks must be disturbed, Contractor shall first contact the Engineering Division.
- No fueling of equipment shall be allowed within the 200-FT Riverfront Resource Area Boundaries.
- No fueling of equipment shall be allowed within the 200-FT Riverfront Resource Area Boundaries.
- Sidewalks on Sunnyside Avenue on this plan are predominantly constructed of asphalt with granite curbing.

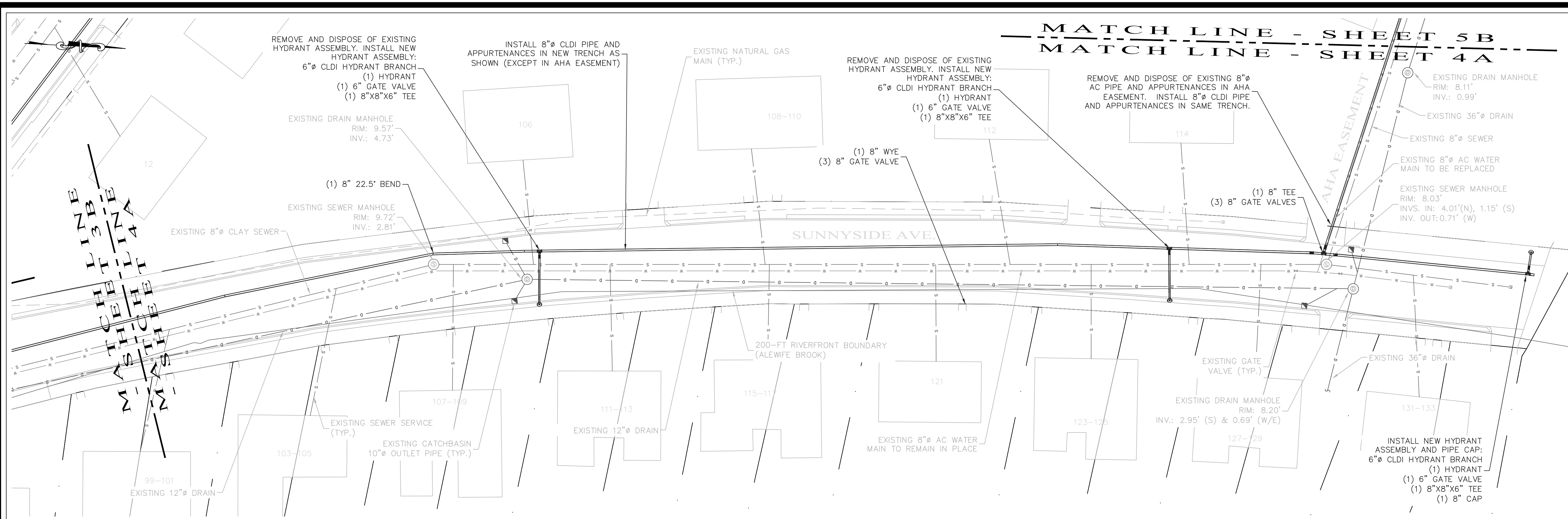
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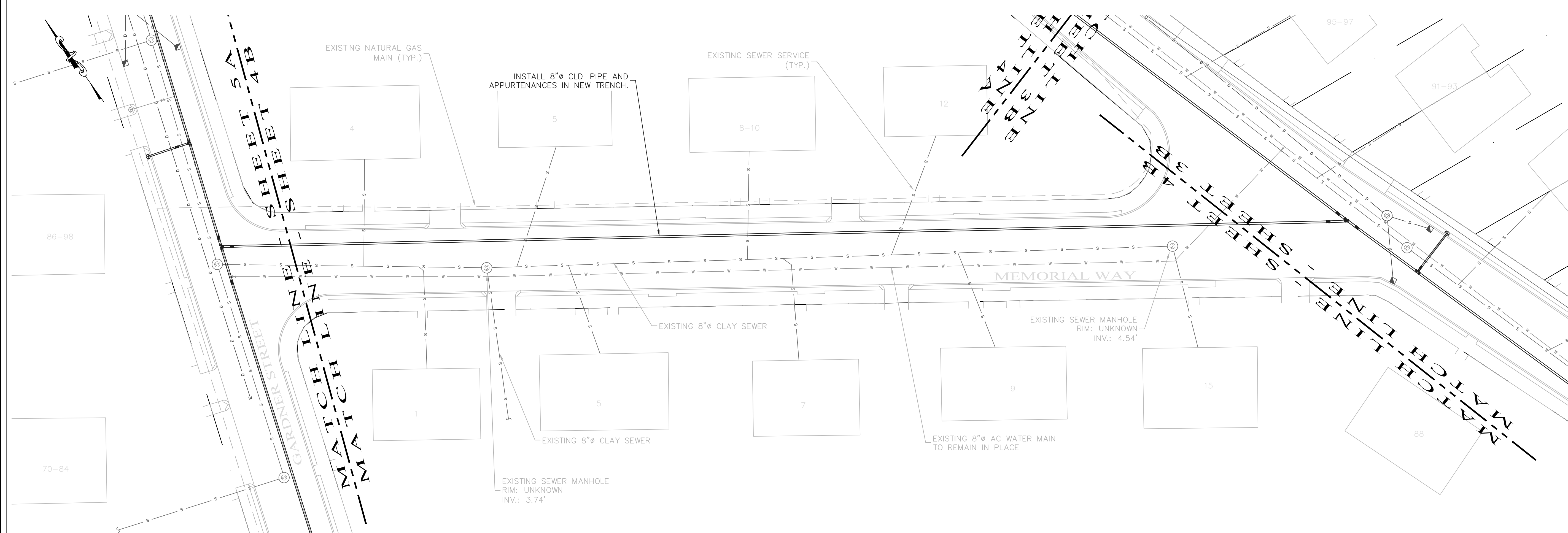
2020 WATER DISTRIBUTION SYSTEM IMPROVEMENTS

SUNNYSIDE AVENUE

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PLAN 4A - SUNNYSIDE AVENUE
SCALE: 1"=20'



PLAN 4B - MEMORIAL WAY
SCALE: 1"=20'

NOTES

- Existing water main pipe on Sunnyside Avenue is predominantly asbestos cement (AC). Contractor shall expect to handle, remove, and dispose of AC pipe exposed in trenches and as otherwise called out in the plan. Contractor shall have all necessary licensure for handling AC asbestos containing materials.
- Segments of existing water main, sewer main, and drain in Sunnyside Avenue are located within the same trench.
- Bury depth of water main is expected to be approximately six (6) feet.
- Sidewalks on the section of Sunnyside Avenue shown on this plan were recently replaced or installed. Contractor shall connect new copper services within the street limits to existing pipe with a union. New curb stops will not be required and sidewalks should not be disturbed. If sidewalks must be disturbed, Contractor shall first contact the Engineering Division. The Contractor shall install new services up to and including the curb stop on Memorial Way. Sidewalk panels disturbed on Memorial Way shall be replaced in kind.
- No fueling of equipment shall be allowed within the 200-FT Riverfront Resource Area Boundaries.
- No fueling of equipment shall be allowed within the 200-FT Riverfront Resource Area Boundaries.
- Sidewalks on the western section of Sunnyside Avenue shown on this plan are predominantly constructed of concrete with granite curbing. Sidewalks on the eastern section of Sunnyside Avenue shown on this plan are predominantly asphalt with granite curbing. Sidewalks on Memorial Way are concrete with granite curbing.

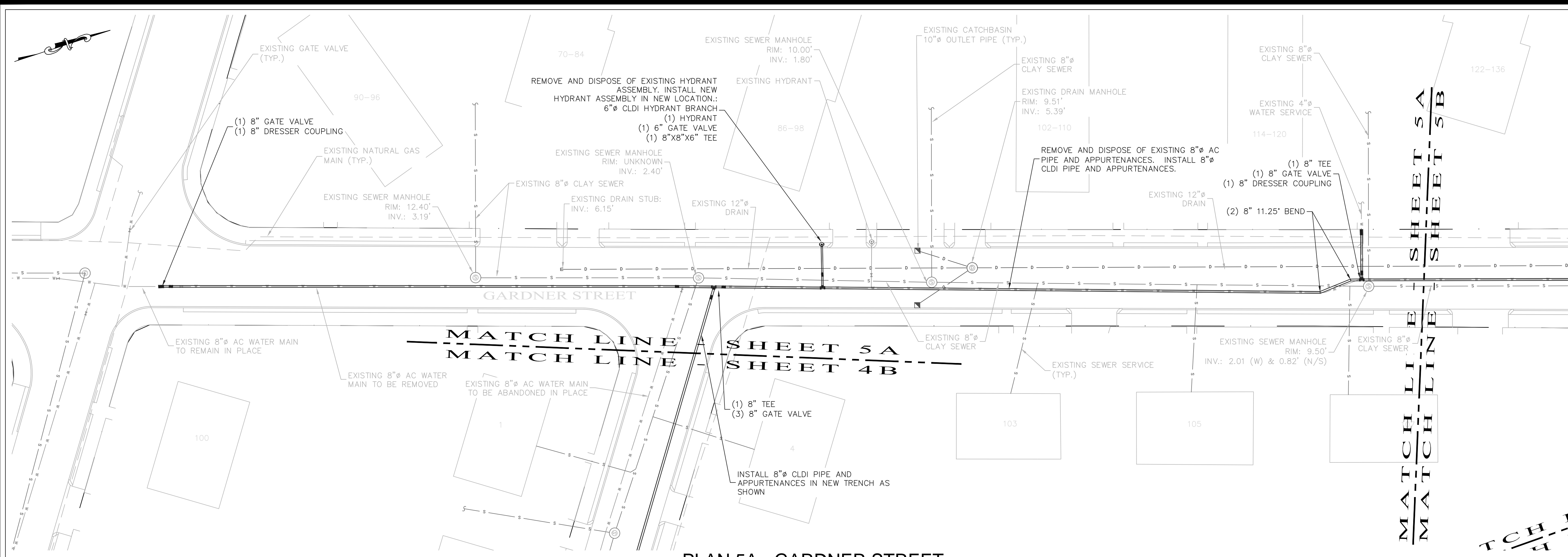
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SYSTEM IMPROVEMENTS

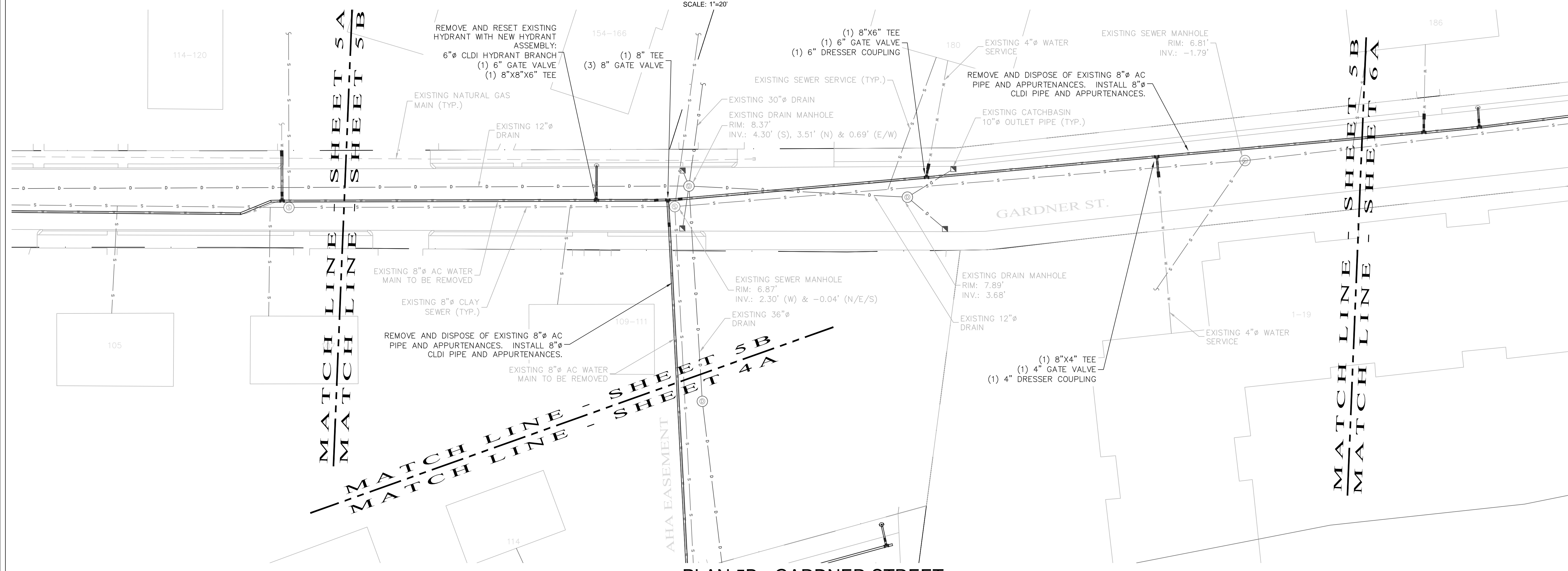
SUNNYSIDE AVENUE &
MEMORIAL WAY

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PLAN 5A - GARDNER STREET

SCALE: 1"=20'



PLAN 5B - GARDNER STREET

SCALE: 1"=20'

NOTES

- Existing water main pipe on Gardner Street is predominantly asbestos cement (AC). Contractor shall expect to handle, remove, and dispose of AC pipe exposed in trenches and as otherwise called out in the plan. Contractor shall have all necessary licensure for handling AC asbestos containing materials.
- Segments of existing water main, sewer main, and drain in Gardner Street are located within the same trench.
- Bury depth of water main is expected to be approximately six (6) feet.
- Sidewalks on this section of Gardner Street, where present, are predominantly constructed of concrete with granite curbing. Sidewalks shall be replaced in kind.
- Gardner Street is a private way from the AHA Easement/driveway to Decatur Street. The Contractor is not allowed to store equipment or materials during non-work hours without written approval of the abutters.

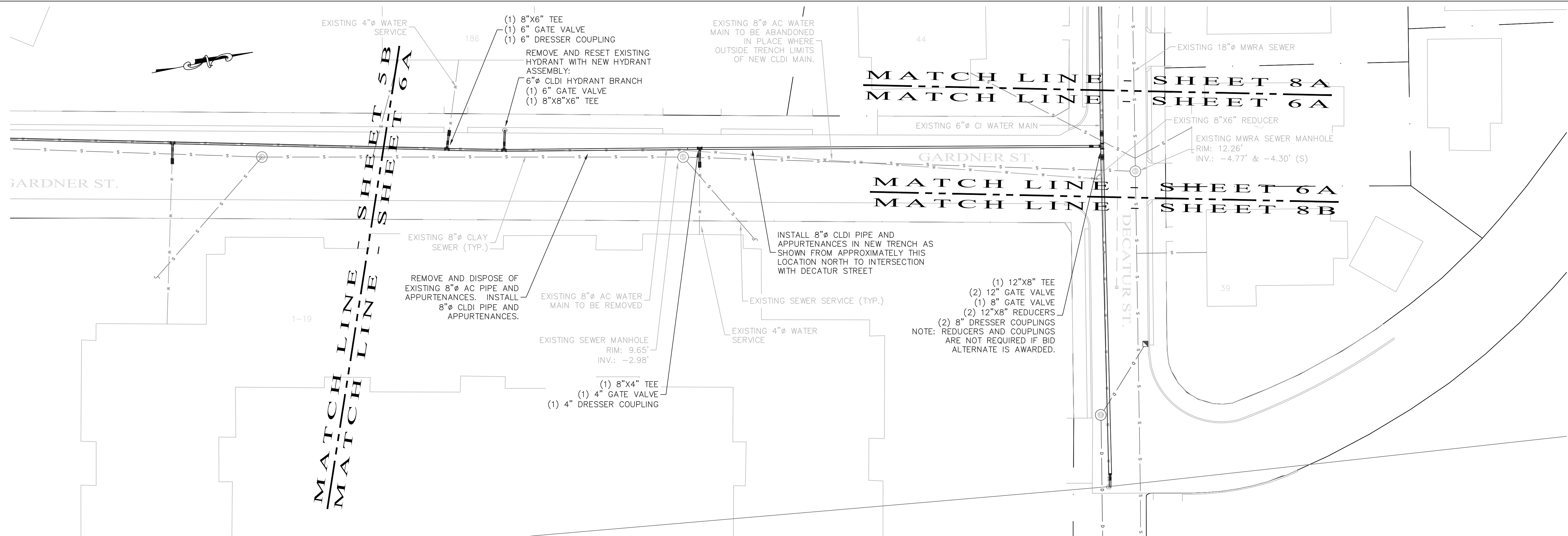
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GARDNER STREET

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PLAN 6A - GARDNER STREET

SCALE: 1"=20'

NOTES

1. Existing water main pipe on Gardner Street is predominantly asbestos cement (AC). Contractor shall expect to handle, remove, and dispose of AC pipe exposed in trenches and as otherwise called out in the plan. Contractor shall have all necessary licensure for handling AC asbestos containing materials.
2. Existing water main pipe on Decatur Street at the intersection with Gardner Street is cast iron (CI).
3. Segments of existing water main, and sewer main in Gardner Street are located within the same trench.
4. Bury depth of water main is expected to be approximately six (6) feet.
5. Sidewalks on the section of Gardner Street shown in this plan, where present, are predominantly constructed of asphalt with no curbing. Sidewalks shall be replaced in kind.
6. Gardner Street is a private way from the AHA Easement/driveway to Decatur Street. The Contractor is not allowed to store equipment or materials during non-work hours without written approval of the abutters.
7. The sewer main in Decatur Street is owned by the MWRA. The Town will procure an 8M Permit for this work. The Contractor will be responsible for adhering to all requirements of the MWRA 8M Permit.

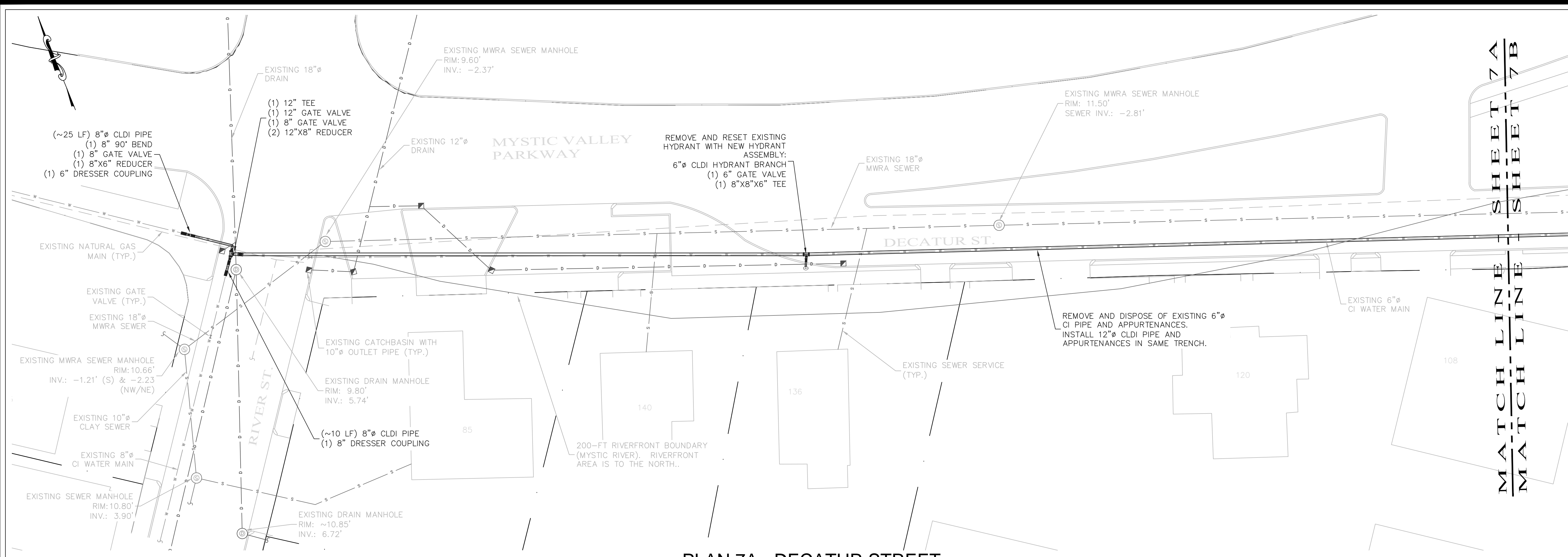
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2020 WATER DISTRIBUTION SYSTEM IMPROVEMENTS

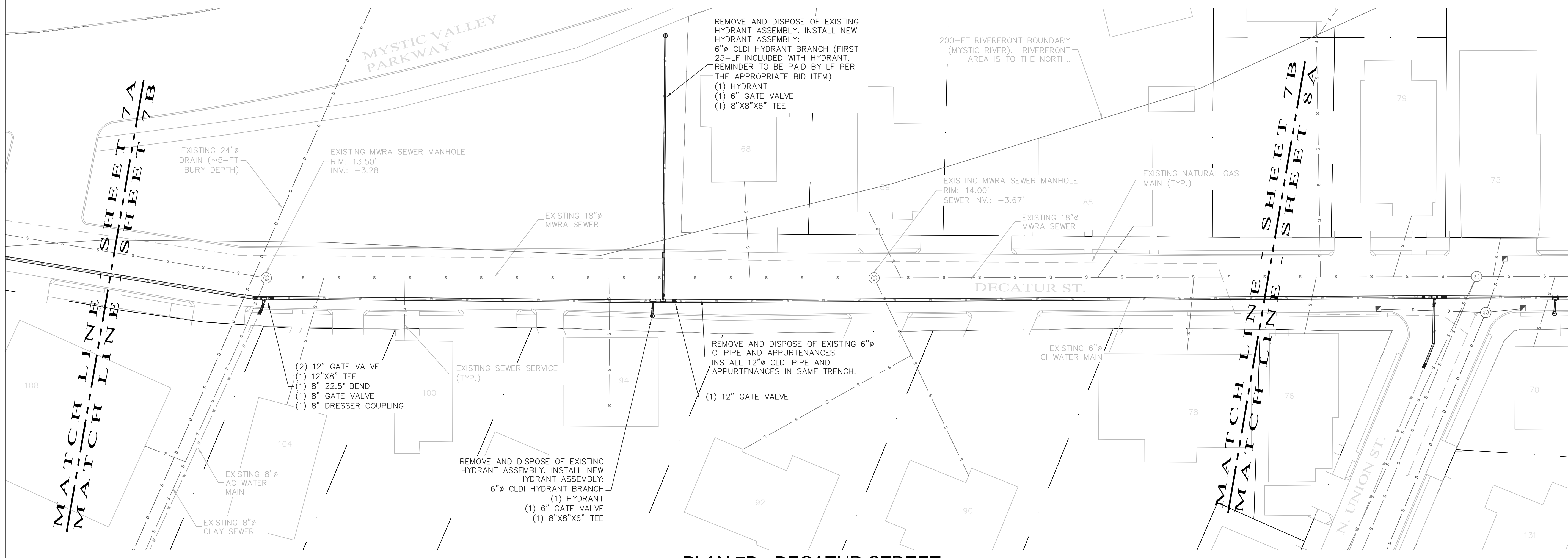
GARDNER STREET

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PLAN 7A - DECATUR STREET

SCALE: 1"=20'



PLAN 7B - DECATUR STREET

SCALE: 1"=20'

NOTES

- Existing water main pipe between 104 and 108 Decatur Street is asbestos cement (AC). Contractor shall expect to handle, remove, and dispose of AC pipe exposed in trenches and as otherwise called out in the plan. Contractor shall have all necessary licensure for handling AC asbestos containing materials.
- Bury depth of water main is expected to be approximately six (6) feet.
- No fueling of equipment shall be allowed within the 200-FT Riverfront Resource Area Boundaries.
- Sidewalks on the sections of Decatur Street shown on this plan are predominantly constructed of concrete.
- The sewer main in Decatur Street is owned by the MWRA. The Town will procure an 8M Permit for this work. The Contractor will be responsible for adhering to all requirements of the MWRA 8M Permit.
- Portions of the work on Decatur Street will take place in the Mystic Valley Parkway right of way, which is under the authority of the Massachusetts Department of Conservation and Recreation (DCR). The Town will procure a DCR Construction Access Permit as applicable. It is expected that work hours on Mystic Valley Parkway will be limited from 9 AM to 3 PM unless otherwise approved by the DCR. Contractor will be responsible for coordinating Massachusetts State Police Details as applicable. The Town will pay the costs for any details directly.
- Work hours on River Street will be limited from 9 AM to 3 PM unless otherwise approved by the Engineering Division and/or the Arlington Police Department.
- The water main to be replaced on Decatur Street is under a series of curb bumpouts/landscaped areas in front of 85 River Street and 140 Decatur Street. Contractor must provide tree protection and maintain landscaped area to the extent possible. Plantings shall be removed during construction in replanted at completion.

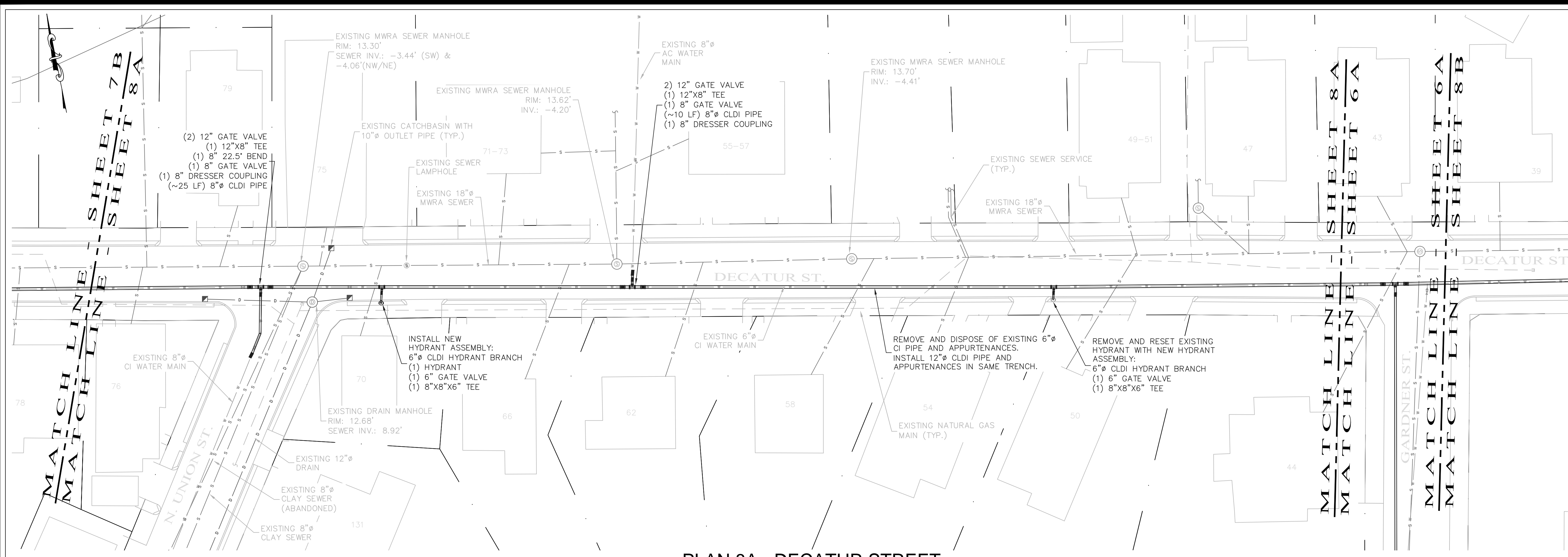
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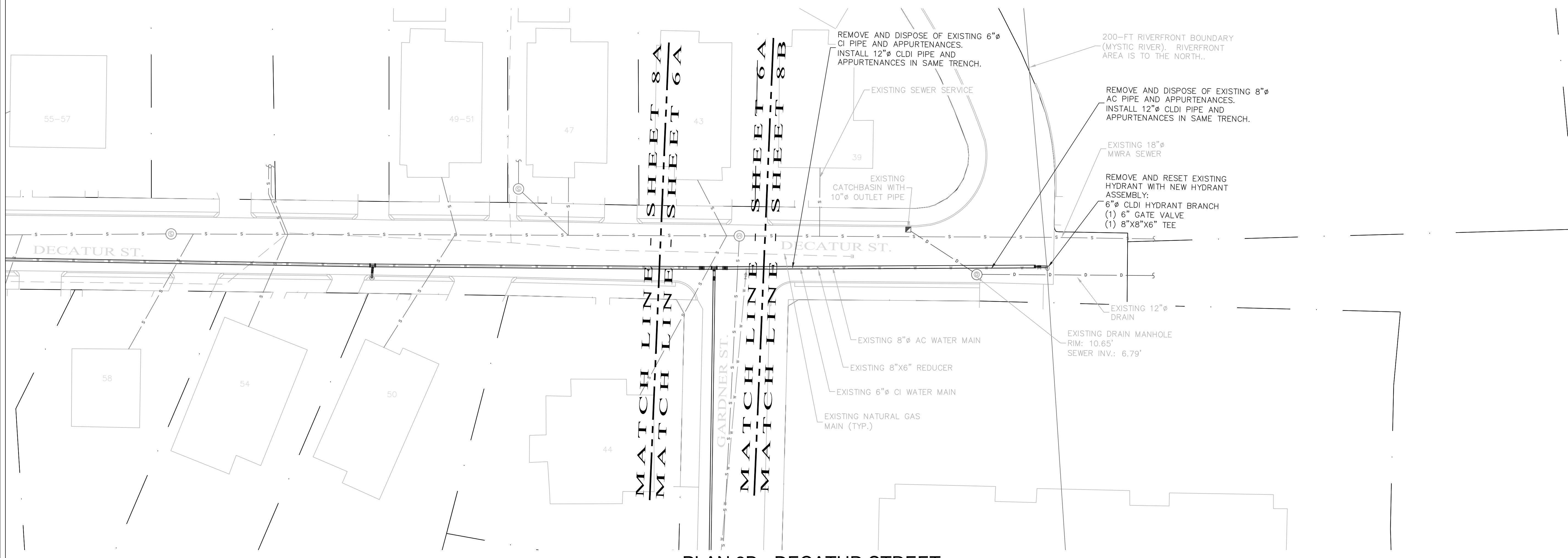
2020 WATER DISTRIBUTION SYSTEM IMPROVEMENTS

DECATUR STREET (BID ALTERNATE)

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PLAN 8A - DECATUR STREET
SCALE: 1"=20'



PLAN 8B - DECATUR STREET
SCALE: 1"=20'

NOTES

1. A portions of the existing water main pipe on Decatur Street east of Gardner Street is asbestos cement (AC). Contractor shall expect to handle, remove, and dispose of AC pipe exposed in trenches and as otherwise called out in the plan. Contractor shall have all necessary licensure for handling AC asbestos containing materials.
2. Bury depth of water main is expected to be approximately six (6) feet.
3. No fueling of equipment shall be allowed within the 200-FT Riverfront Resource Area Boundaries.
4. Sidewalks on the sections of Decatur Street shown on this plan are predominantly constructed of asphalt.
5. The sewer main in Decatur Street is owned by the MWRA. The Town will procure an 8M Permit for this work. The Contractor will be responsible for adhering to all requirements of the MWRA 8M Permit.
6. Portions of the work on Decatur Street will take place in the Mystic Valley Parkway right of way, which is under the authority of the Massachusetts Department of Conservation and Recreation (DCR). The Town will procure a DCR Construction Access Permit as applicable. It is expected that work hours on Mystic Valley Parkway will be limited from 9 AM to 3 PM unless otherwise approved by the DCR. Contractor will be responsible for coordinating Massachusetts State Police Details as applicable. The Town will pay the costs for any details directly.

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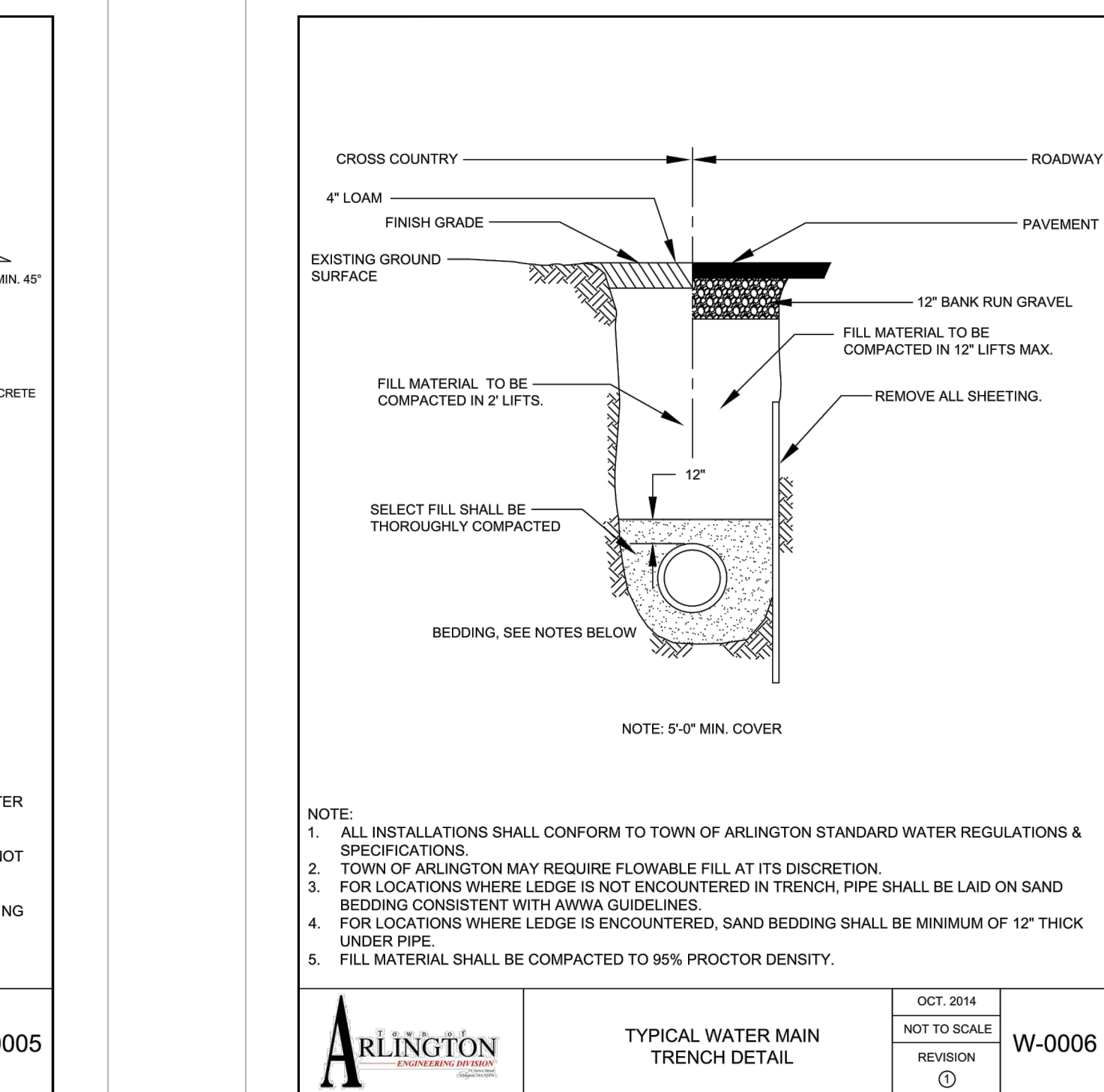
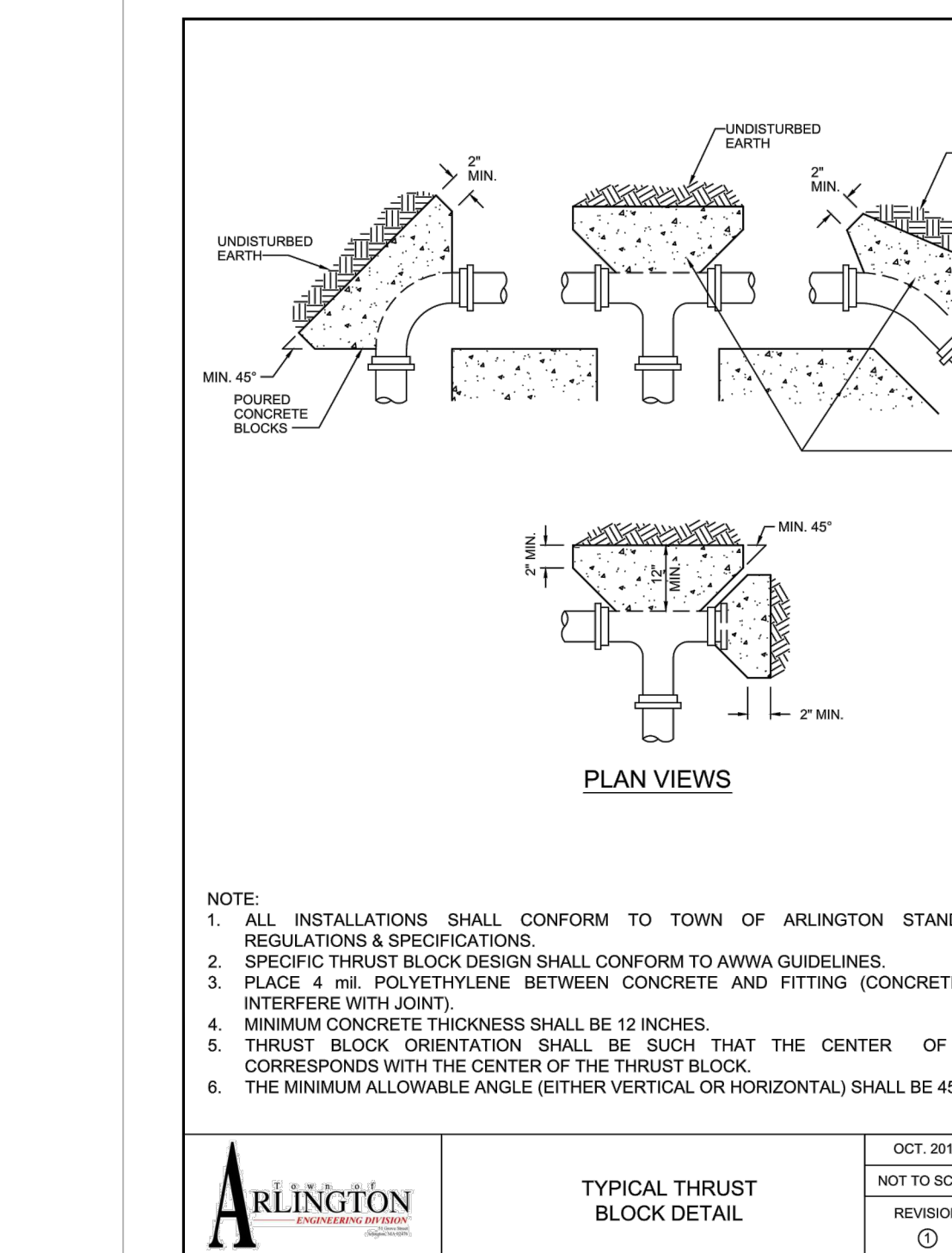
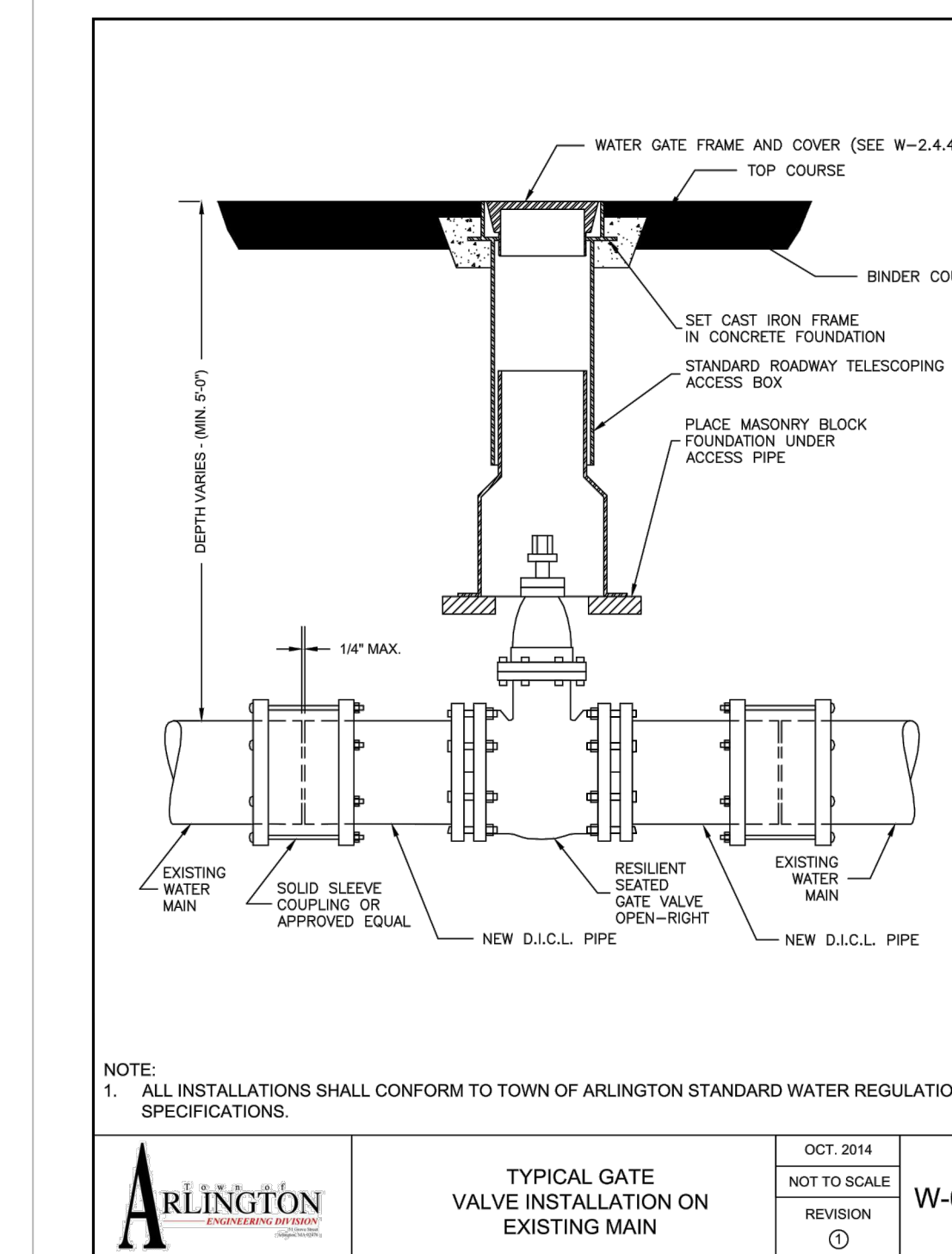
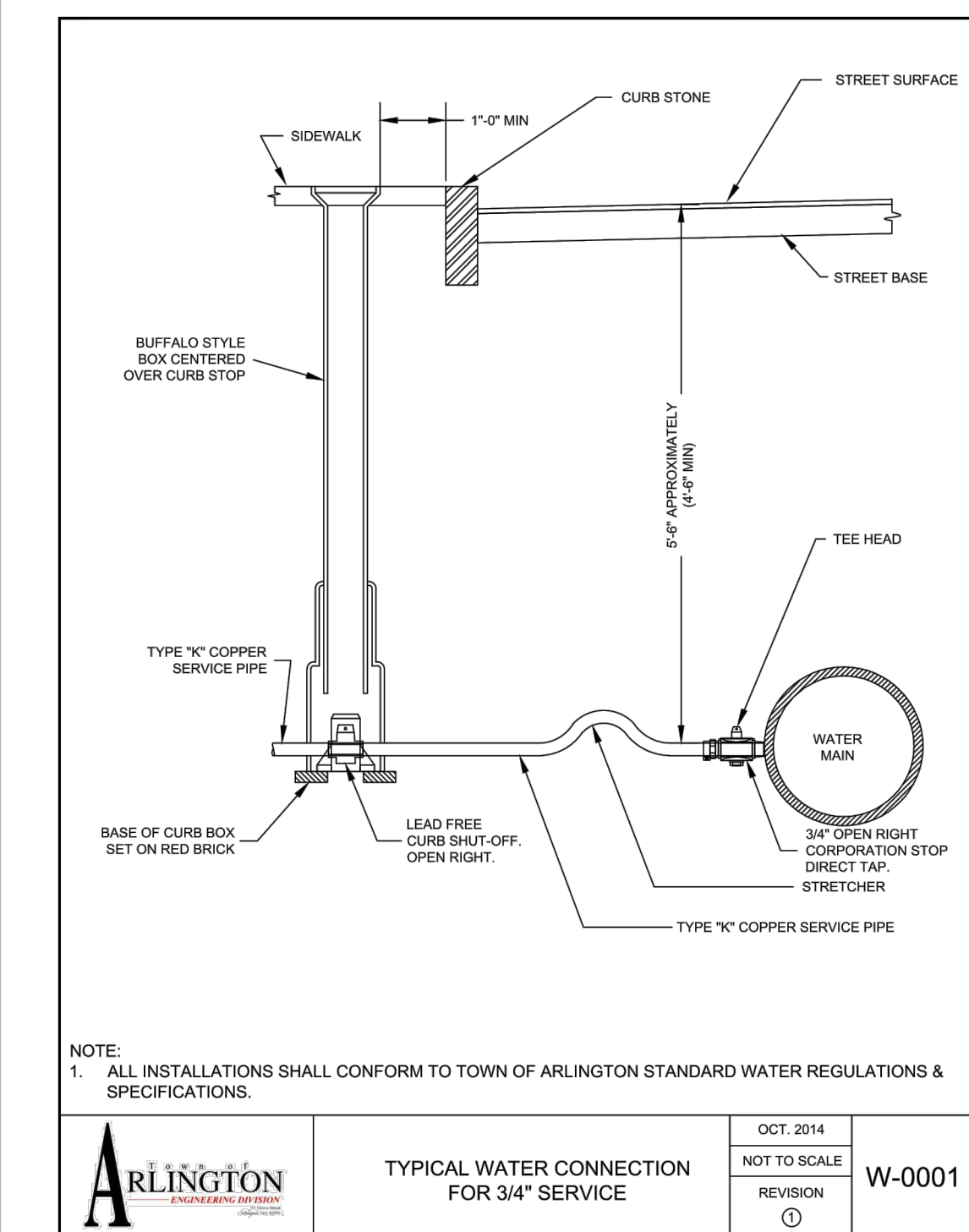
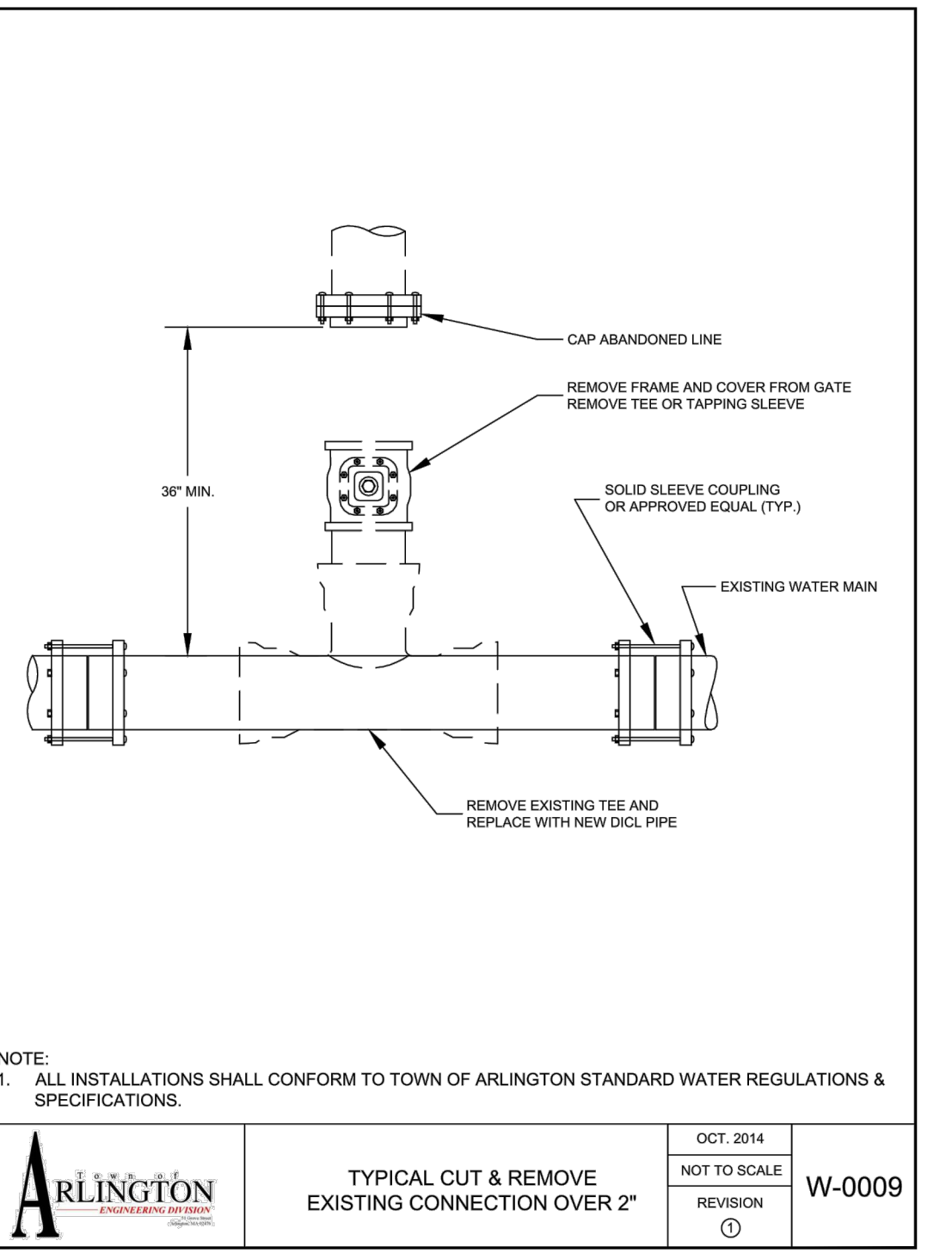
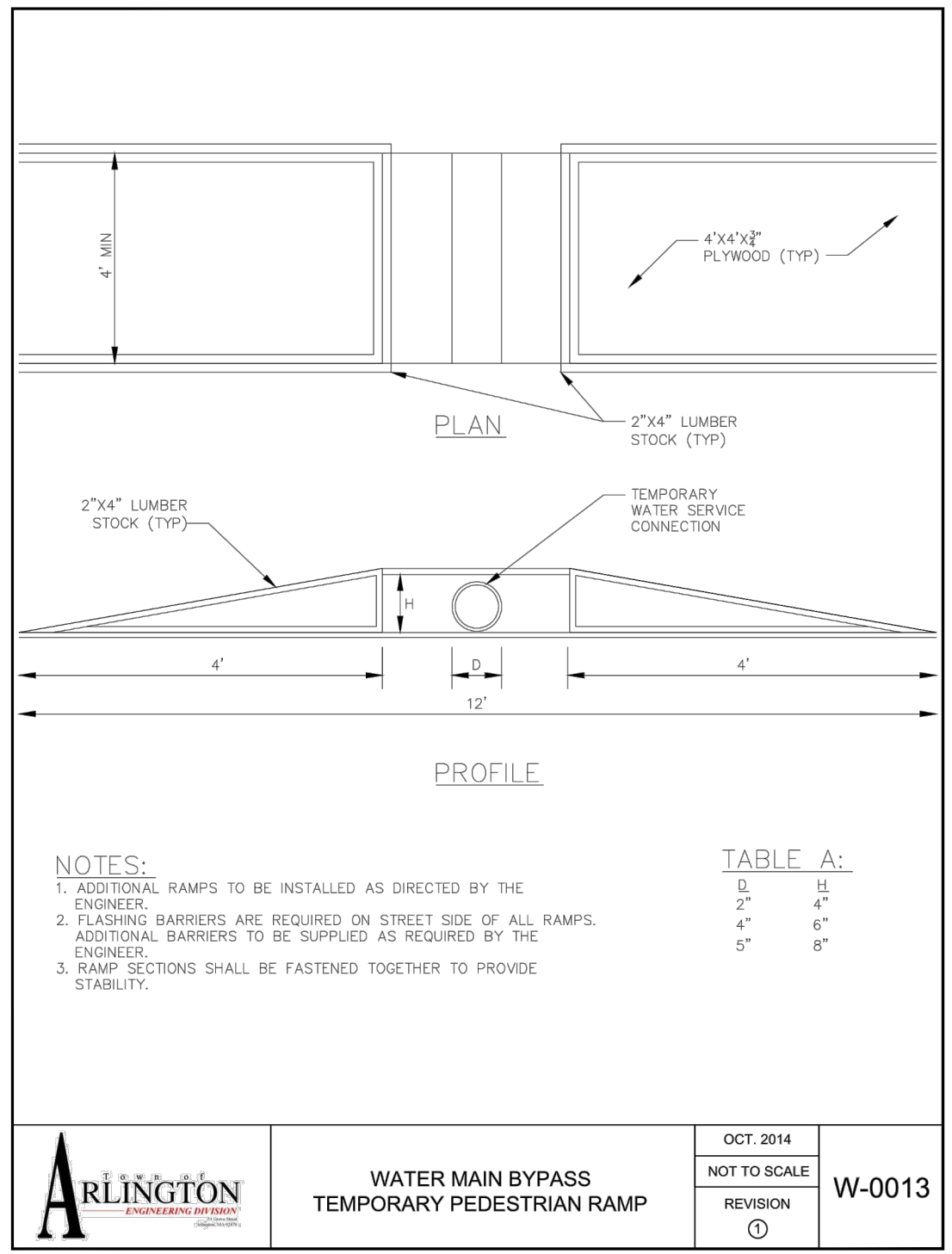
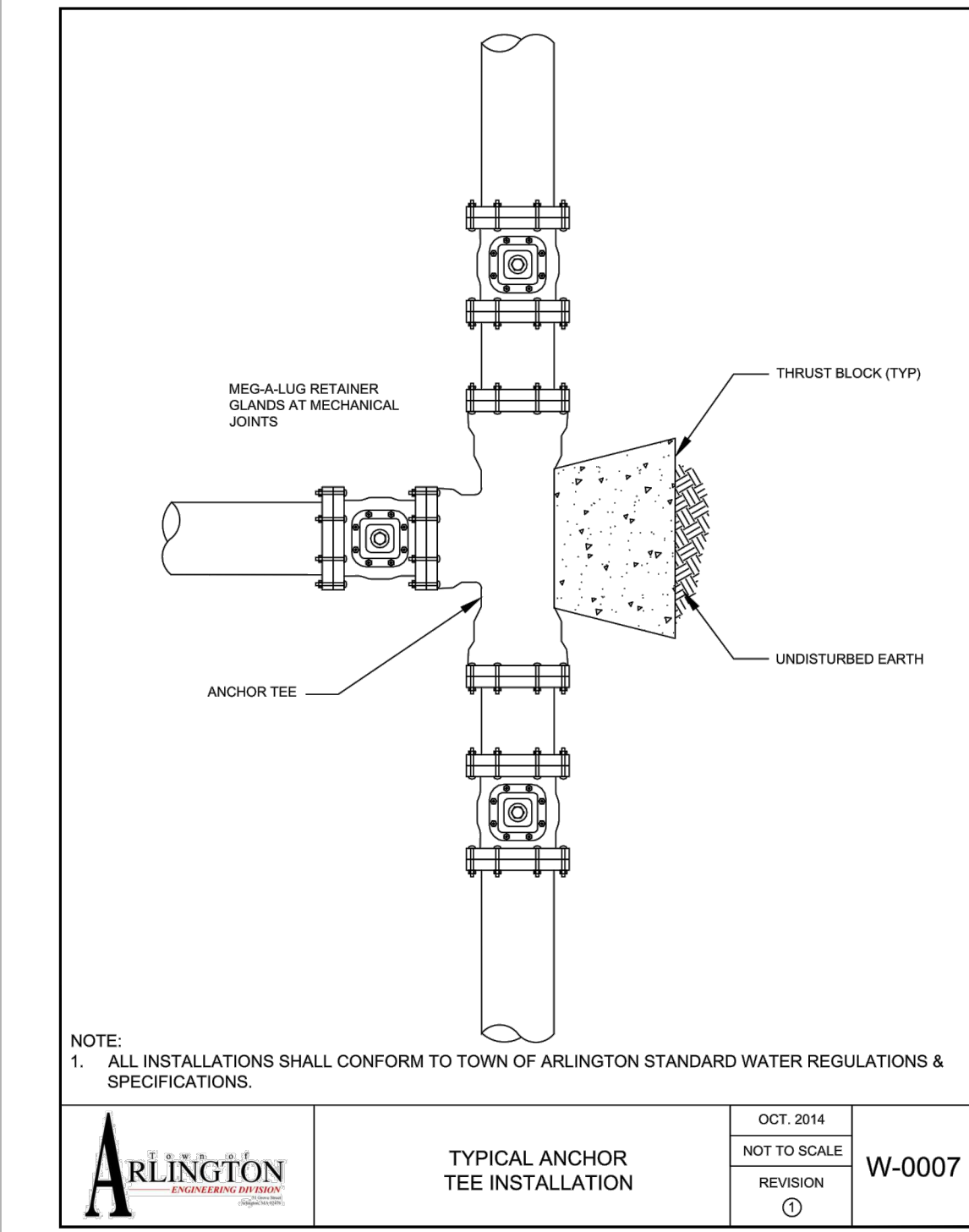
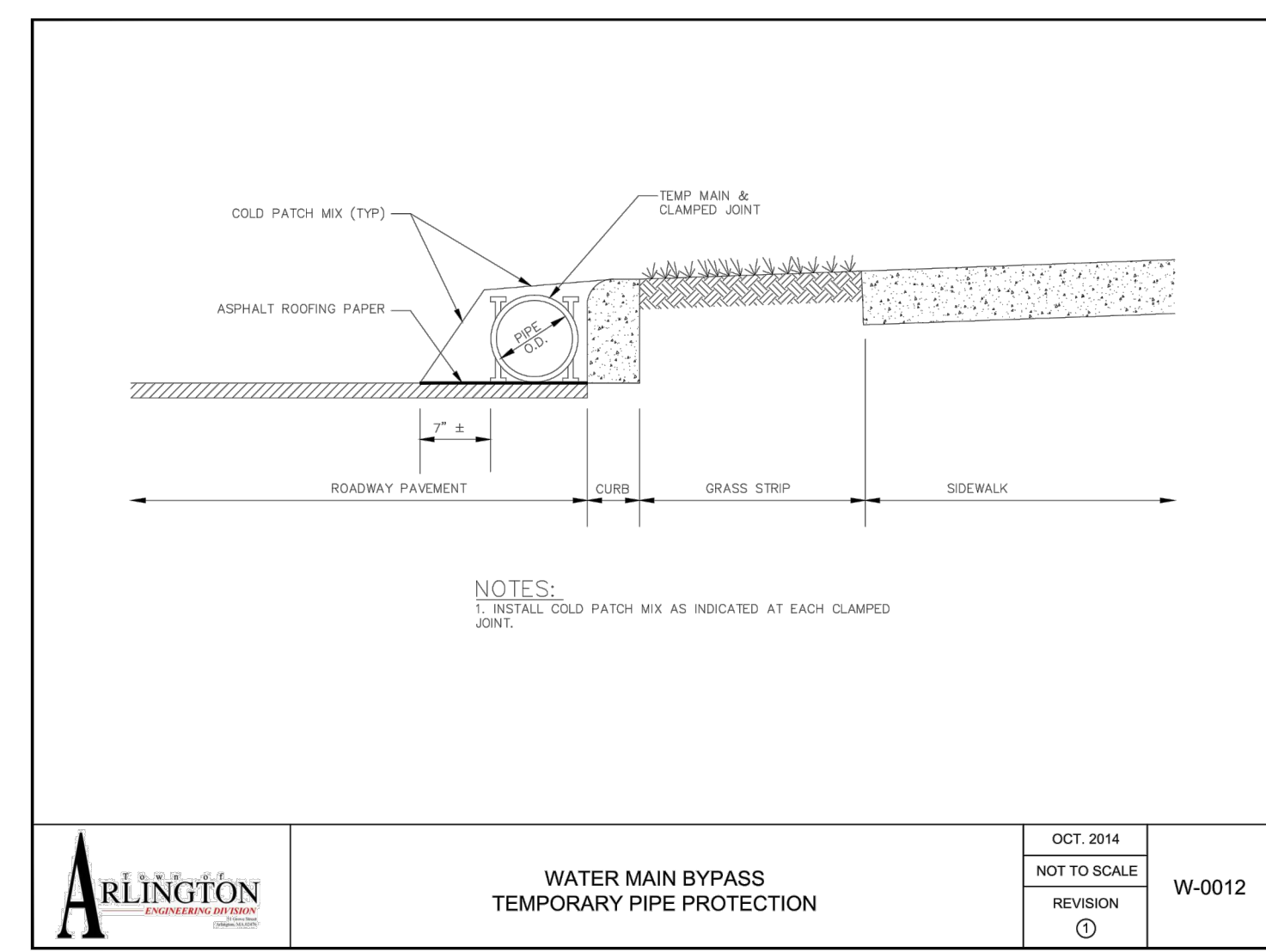
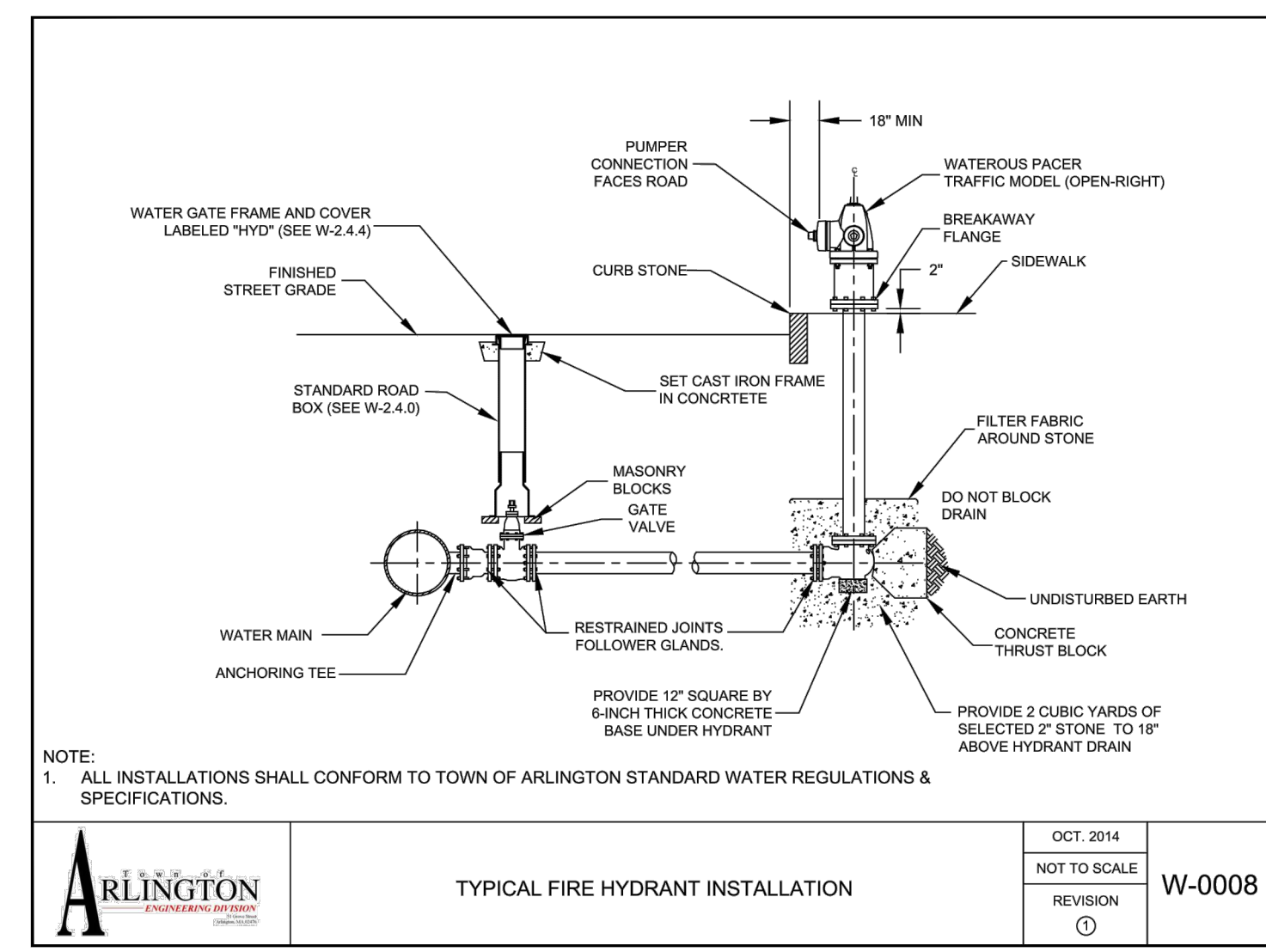
2020 WATER DISTRIBUTION SYSTEM IMPROVEMENTS

DECATUR STREET (BID ALTERNATE)

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GENERAL NOTES:

- PLANS WERE DEVELOPED USING AVAILABLE AERIAL IMAGERY, EXISTING PLANS, AND ON-SITE OBSERVATIONS. A SURVEY OF THE PROJECT AREA WAS NOT CONDUCTED. THE LOCATIONS OF THE FEATURES SHOWN ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATIONS OF ANY EXISTING UTILITIES AND/OR FEATURES NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE TOWN OF ARLINGTON ENGINEERING DIVISION AND/OR THE WATER AND SEWER DIVISION OF ALL DISCREPANCIES IDENTIFIED IN THE FIELD.
- ALL ON-SITE DRAINAGE CATCH BASINS SHALL BE EQUIPPED WITH AN INLET PROTECTION DEVICE DURING ALL CONSTRUCTION ACTIVITIES. ANY SEDIMENT THAT ENTERS THE TOWN'S STORMWATER SYSTEM AS A RESULT OF THIS WORK SHALL BE REMOVED BY THE CONTRACTOR AT THEIR EXPENSE.
- STREETS SHALL BE SWEEPED AND CLEANED OF SEDIMENT AND DEBRIS AT THE END OF EACH WORK DAY.
- ANY AREA DISTURBED BY THE CONTRACTOR OUTSIDE THE LIMITS OF WORK SHALL BE RESTORED TO ORIGINAL CONDITION AT NOT COST TO THE OWNER.
- THE CONTRACTOR MUST NOTIFY ALL UTILITIES PRIOR TO PERFORMING ANY EXCAVATION WORK. THE TOWN OF ARLINGTON IS NOT A MEMBER OF "DIG-SAFE" AND MUST BE NOTIFIED DIRECTLY AT LEAST 72-HOURS PRIOR TO ANY EXCAVATION AT 781-316-3310 OR 781-316-3301.
- THE LOCATION, NUMBER, AND TYPE OF PROPOSED FITTINGS SHOWN ON THESE PLANS ARE INTENDED FOR ILLUSTRATIVE PURPOSES ONLY. FIELD CONDITIONS WILL DICTATE THE LOCATION, NUMBER, AND TYPE OF FITTINGS REQUIRED. ALL INSTALLATION SHALL BE TO THE FULL SATISFACTION OF THE TOWN OF ARLINGTON.
- THE CONTRACTOR SHALL ANTICIPATE THAT TRENCH ROCK/LEDGE WILL BE PRESENT BELOW AND TO THE SIDES OF THE EXISTING WATER MAIN TRENCHES. ADDITIONAL TRENCH ROCK/LEDGE SHALL BE REMOVED TO THE EXTENTS APPROVED BY THE ENGINEERING DIVISION TO PROVIDE PROPER BURY DEPTH OF THE PROPOSED CLDI WATER MAIN. CARE SHALL BE TAKEN NOT TO DISRUPT NEARBY UTILITIES DURING THE REMOVAL OF TRENCH ROCK/LEDGE.
- THE CONTRACTOR SHALL ASSUME THAT THE EXISTING WATER, SEWER, AND NATURAL GAS HOUSE SERVICES ARE LOCATED WITHIN THE SAME TRENCH. THE CONTRACTOR SHALL ASSUME THAT ALL SEWER SERVICE LATERALS ARE 4-6" CLAY PIPE UNLESS OTHERWISE NOTED ON THE PLANS.
- THE LOCATION OF THE PROPOSED WATER SERVICE LATERALS ARE NOT SHOWN ON THESE PLANS. THE LOCATION OF THE NEW 3/4" COPPER SERVICE LATERALS SHALL BE FIELD DETERMINED AND LAID OUT TO THE SATISFACTION AND APPROVAL OF THE TOWN OF ARLINGTON.
- TRENCHES SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED IN LAYERS NOT OVER 6" DEEP USING MECHANICAL COMPACTORS OR JET-RODDING. BACKFILL MATERIALS SHALL BE COMPACTED TO A 95% MAXIMUM DRY DENSITY AS DETERMINED BY AASHTO STANDARD TEST T99 METHOD C.



NOTES

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