

# VICINITY AND LOCATION MAP

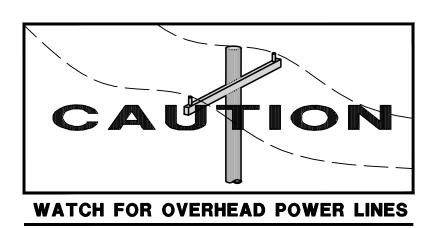
SURFACE NOTE:

SURFACE DATA OBTAINED FROM NEARMAP LIDAR POINT CLOUD, CAPTURE DATE 9/22/20. VERTICAL SPATIAL REFERENCE: NAVD88

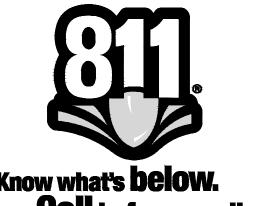
# UTILITIES:

NOT TO SCALE

(800) 655-4555 (562) 804-1424 SOUTHERN CALIFORNIA EDISON CITY OF BELLFLOWER SOUTHERN CALIFORNIA GAS COMPANY (877) 238-0092 (626) 614–2533 CALIFORNIA AMERICAN WATER COMPANY CRIMSON PIPELINE LP (866) 351-7473 LOS ANGELES COUNTY SANITATION DISTRICT (562) 908-4288

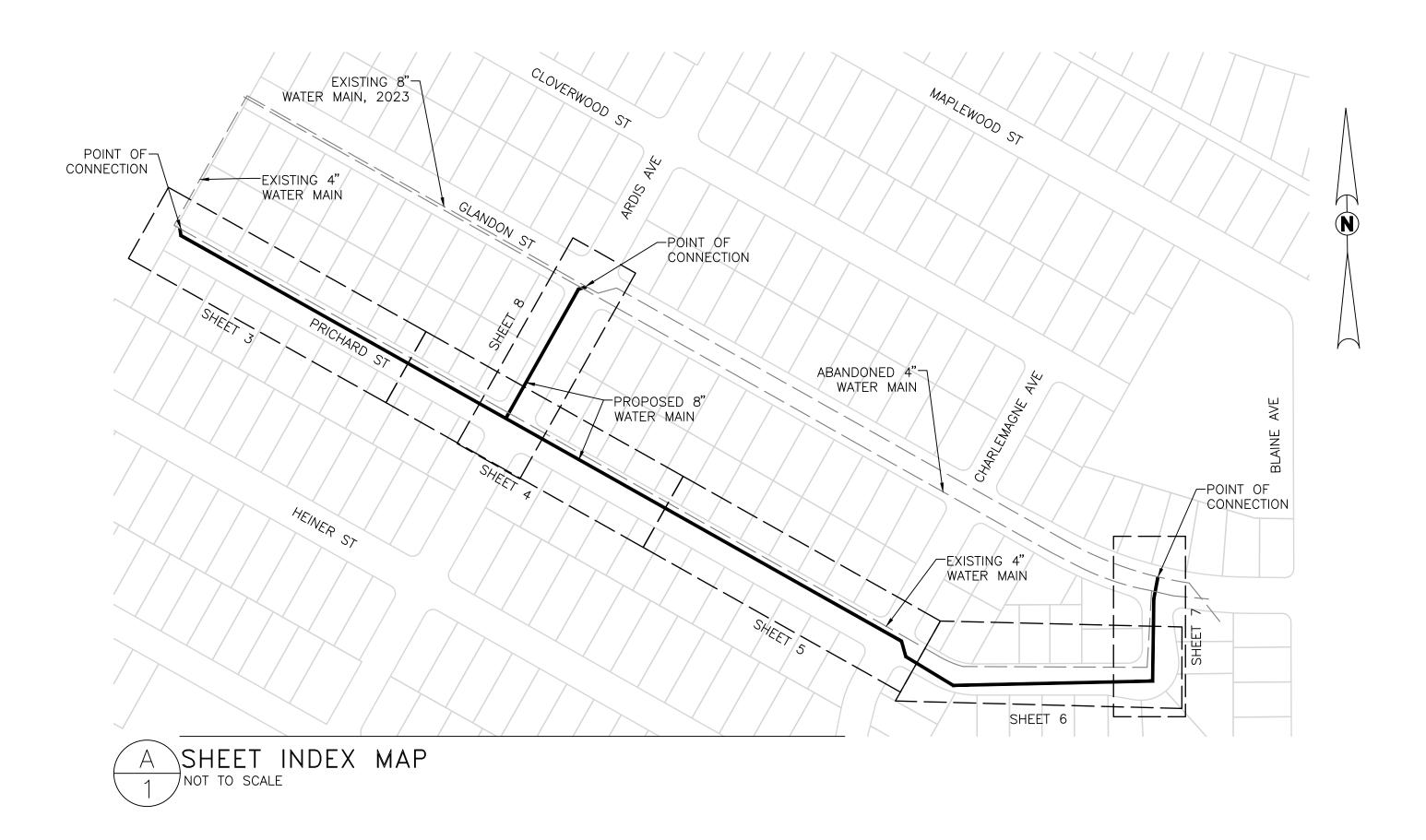








# PRICHARD STREET WATER MAIN REPLACEMENT CITY OF BELLFLOWER PRICHARD ST AND ARDIS AVE WATER MAIN REPLACEMENT PROJECT

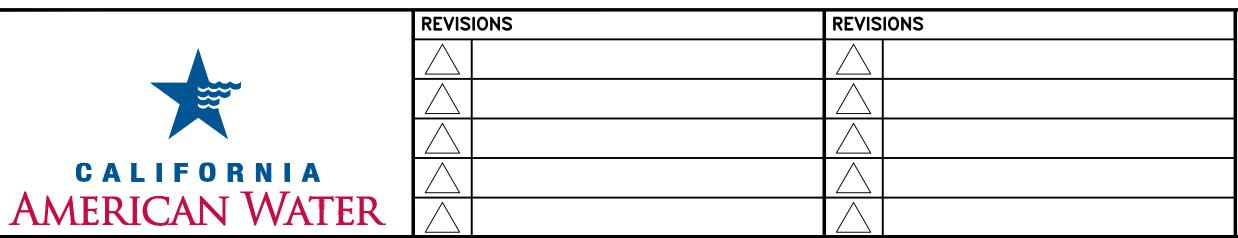


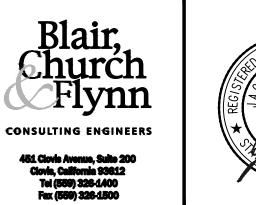
# SHEET INDEX MAP LEGEND:

EXISTING WATER MAIN, SIZE AS NOTED PROPOSED WATER MAIN, SIZE AS NOTED SHEET LIMITS

PARCEL LINE

	SHEET LIST TABLE
SHEET	SHEET TITLE
GENERAL	·
1	COVER SHEET AND INDEX MAP
2	LEGEND AND NOTES
PLAN AND PROF	TILE
3	STA 149+50 TO STA 154+50 - PRICHARD ST
4	STA 154+50 TO STA 159+50 - PRICHARD ST
5	STA 159+50 TO STA 164+50 - PRICHARD ST
6	STA 164+50 TO STA 169+00 - PRICHARD ST
7	STA 175+00 TO STA 177+00 - PRICHARD ST
8	STA 77+00 TO STA 80+00 - ARDIS AVE
DETAILS	·
9	STANDARD DETAILS
10	STANDARD DETAILS
11	STANDARD DRAWING AND CONNECTION DETAILS







		11   3	TANDARD DRAWING AND CONNECTION DETAILS
AMERICAN WATER COMPANY 3906 CHURCH ROAD MT. LAUREL, NJ 08054	PRICHARD STREET WATER MAIN REPLACEMENT CITY OF BELLFLOWER		
DRAWN BY JRA Project Eng'r Jls	COVER SHEET AND INDEX MAP		
<b>DATE</b> 2024-07-09			USE <b>DIMENSIONS ONLY</b> SCALE AS SHOWN
PROJECT	USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES	BID SET	1 / 11

# TOPO LEGEND:

BACKFLOW ASSEMBLY COMMUNICATION PULLBOX COMMUNICATION VAULT ELECTRICAL CABINET ELECTRICAL PULL BOX ELECTRICAL CONDUIT FIRE HYDRANT GAS METER GAS VALVE GUY WIRE ANCHOR IRRIGATION VALVE JOINT UTILITY POLE LIGHT POLE POWER POLE STREET LIGHT SEWER MANHOLE SERVICE POLE SIGN STORM DRAIN INLET STORM DRAIN MANHOLE SURVEY CONTROL POINT TELEPHONE MANHOLE TRAFFIC SIGNAL PULLBOX TRAFFIC SIGNAL W/ MAST ARM TRAFFIC PEDESTRIAN POLE TRAFFIC SIGNAL UNIDENTIFIED BOX UNIDENTIFIED MANHOLE UNIDENTIFIED VAULT □ UVA WATER METER WATER VALVE COMMUNICATION LINE ———E——— ELECTRICAL LINE ——G3/4—— GAS LINE; SIZE AS NOTED ——S8—— SEWER LINE; SIZE AS NOTED -----SS----- SEWER HOUSE BRANCHES, LOCATION AND DEPTH UNKNOWN ——SD30— STORM DRAIN LINE; SIZE AS NOTED ——TS—— TRAFFIC SIGNAL LINE -----W4----- WATER LINE; SIZE AS NOTED WATER LINE TO BE ABANDONED; SIZE AS NOTED CENTERLINE

**REVISIONS** 

ABBREVIATIONS AND SYMBOLS: ASBESTOS CEMENT ACP, CA ASBESTOS CEMENT PIPE ANGLE POINT BEGIN CURVE BVC BEGIN VERTICAL CURVE COMMUNICATION CAST IRON CENTERLINE CL DIP DUCTILE IRON PIPE EAST OR ELECTRICAL EC END CURVE EVC END VERTICAL CURVE FLOWLINE FLG FLANGE GAS GV GATE VALVE HORIZ HORIZONTAL LEFT OR LENGTH LINEAR FEET MECHANICAL JOINT MIN MINIMUM MISCELLANEOUS MISC NORTH RIGHT OR RADIUS RVC REVERSE VERTICAL CURVE SOUTH OR SEWER SD STORM DRAIN SDCD STORM DRAIN CROSS DRAIN STORM DRAIN FLOWLINE SDFL SS SANITARY SEWER HOUSE BRANCH SSFL SANITARY SEWER FLOWLINE STD STANDARD STD DWG STANDARD DRAWING TYP TYPICAL **VERT** VERTICAL WEST OR WATER WATER SERVICE PROPOSED FIRE HYDRANT PER CAW-SD-W207 ON SHEET 10 PROPOSED WATER VALVE BOX AND RISER PER CAW-SD-W105 ON SHEET 9 PROPOSED 1" WATER SERVICE PER CAW-SD-201 OR CAW-SD-202 ON SHEET 10, AND CAW-SD-W206 ON

PROPOSED 2" BLOW-OFF ASSEMBLY PER CA-SD-W301A ON SHEET 10

PROPOSED WATER MAIN, SIZE AS NOTED ON PLANS, PER STD DWG CAW-SD-W102, CAW-SD-W103 & CAW-SD-W104 ON

PROPOSED POTHOLE LOCATION

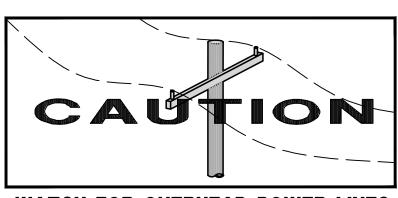
DETAIL DESIGNATION

**REVISIONS** 

SHEET NUMBER

# WATER NOTES

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CALIFORNIA AMERICAN WATER COMPANY STANDARD DRAWINGS AND SPECIFICATIONS AND THE LOS ANGELES COUNTY PUBLIC WORKS STANDARDS. WHERE CONFLICTS EXIST BETWEEN THESE TWO STANDARDS THE MORE STRINGENT OF THE TWO, IN THE OPINION OF THE ENGINEER, SHALL GOVERN.
- 2. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS SET FORTH BY THE CITY OF BELLFLOWER SHALL SECURE ALL PERMITS REQUIRED FOR THIS WORK. PROVIDE CONSTRUCTION SCHEDULE TO THE CITY OF BELLFLOWER AT LEAST 2 WEEKS AHEAD OF CONSTRUCTION START DATE. INVITE CITY STAFF TO ATTEND PRE-CONSTRUCTION MEETING.
- 3. CONTRACTOR SHALL SCHEDULE THE WORK IN A MANNER TO MINIMIZE WATER SERVICE OUTAGES TO EXISTING WATER CUSTOMERS AND SHALL NOTIFY THE CALIFORNIA AMERICAN WATER COMPANY AND USERS A MINIMUM OF 5 WORKING DAYS PRIOR TO ANY PLANNED WATER SERVICE DISRUPTIONS.
- 4. CONTRACTOR SHALL RESTORE AREAS DAMAGED DURING CONSTRUCTION TO THEIR PRE-CONSTRUCTION CONDITION, OR
- 5. CONTRACTOR SHALL BACKFILL ALL PIPELINE TRENCHES OR COVER TRENCHES WITH STEEL PLATES AT THE END OF EACH WORKDAY. STEEL PLATES SHALL ALSO BE INSTALLED OVER OPEN TRENCHES TO ALLOW DRIVEWAY ACCESS.
- 6. OPEN TRENCHES LEFT OVERNIGHT MUST HAVE TWO SHORING WALLS IN PLACE.
- 7. CONTRACTOR SHALL REMOVE AND REPLACE DAMAGED CONCRETE IMPROVEMENTS TO NEAREST JOINT
- 8. EXISTING IN-LINE MAIN VALVES SHALL BE ABANDONED IN PLACE, AND EXISTING VALVES AT TEE CONNECTIONS SHALL BE REMOVED. VALVE CANS SHALL BE FILLED WITH CEMENT-SAND SLURRY.
- 9. WHERE WATER MAIN CROSSES BELOW SEWER MAIN OR SEWER SERVICE LATERAL, NO WATER MAIN JOINTS ALLOWED WITHIN 10' OF CROSSING. SEE SPECIFICATIONS.
- 10. WHERE WATER MAIN CROSSES ABOVE SEWER MAIN OR SEWER LATERAL WITH LESS THAN 1' CLEARANCE. NO WATER MAIN JOINTS ALLOWED WITHIN 4' OF CROSSING. SEE SPECIFICATIONS.
- 11. AS FIRST ORDER OF WORK, CONTRACTOR SHALL POTHOLE UTILITIES AS SHOWN ON PLANS TO VERIFY THEIR VERTICAL AND HORIZONTAL LOCATIONS.
- 12. WET TIE AND TIE-IN LOCATION MUST BE POTHOLED BY CONTRACTOR AND NEW MAIN MUST BE ADJUSTED TO MEET ELEVATION OF EXISTING MAIN LINES. CONTACT CALIFORNIA AMERICAN WATER PRIOR TO POTHOLE WORK.
- 13. CONTRACTOR SHALL PREPARE AND MAINTAIN AS-BUILT DRAWINGS AND UPDATE SAID DRAWINGS ON A WEEKLY BASIS. A COPY OF FINAL AS-BUILT PLAN SET SHALL BE SUBMITTED TO THE CITY OF BELLFLOWER.
- 14. CONSTRUCTION STAKING SHALL BE PROVIDED BY THE CONTRACTOR
- 15. BMPS SHALL BE INSTALLED AND MAINTAINED AT ALL NEARBY DRAIN INLETS, IN ACCORDANCE WITH THE CITY OF BELLFLOWER REQUIREMENTS.
- 16. DISCHARGE OF WATER INTO SEWER IS NOT ALLOWED. CONTRACTOR SHALL DISPOSE OF WATER USED FOR FLUSHING, TESTING & ANCILLARY ACTIVITIES OFF-SITE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH AND OBTAIN ALL NECESSARY PERMITS FROM CITY.
- 17. PRIOR TO SITE MOBILIZATION, CONTRACTOR SHALL RECORD A PRE-CONSTRUCTION VIDEO OF THE SITE TO DOCUMENT EXISTING CONDITIONS, AND PROVIDE A COPY OF THE VIDEO TO CALIFORNIA AMERICAN WATER COMPANY, IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- 18. CONTRACTOR SHALL COORDINATE WITH CITY OF BELLFLOWER ENGINEERING DIVISION TO DESIGNATE DIMENSIONS FOR MATERIALS AND EQUIPMENT STORAGE IN THE PUBLIC RIGHT-OF-WAY.
- 19. CONTRACTOR SHALL BACKFILL TRENCH PER CITY OF BELLFLOWER STANDARDS AND CAW-SD-W102 ON SHEET 9.
- 20. CONTRACTOR SHALL PROVIDE THRUST BLOCKS AT ALL FITTINGS AND VALVES, AND SHALL RESTRAIN DIP MECHANICAL JOINTS WITH SERIES 1100 MEGALUG, OR APPROVED EQUAL.
- 21. CONTRACTOR SHALL INSTALL NO. 10 COPPER TRACING WIRE AND METALLIC DETECTOR TAPE IN ACCORDANCE WITH CAW-SD-W103 ON SHEET 9.
- 22. REMOVE AND REPLACE ALL DAMAGED PAVEMENT STRIPING, CURB, GUTTER, SIDEWALK, DRIVEWAY APPROACH, CONCRETE SPANDREL IN KIND, PER CITY STANDARDS, TO THE NEAREST JOINT.
- 23. EXISTING PIPE TO BE ABANDONED SHALL BE CUT. CAPPED, GROUTED, AND ABANDONED IN PLACE.
- 24. NO SOIL STOCKPILES ARE ALLOWED WITHIN RIGHT-OF-WAY OUTSIDE OF WORKING HOURS, UNLESS GIVEN SPECIFIC PERMISSION BY CITY. STOCKPILES THAT ALLOWED TO REMAIN WITHIN RIGHT-OF-WAY SHALL BE COVERED IN ACCORDANCE WITH LOS ANGELES COUNTY STANDARDS.
- 25. CONTRACTOR SHALL MAINTAIN CLEAN RESTROOM ON-SITE DURING WORKING HOURS, AND REMOVE RESTROOM AT END
- 26. CUT-OFF SAWS ARE NOT ALLOWED.
- 27. AT END OF EVERY WORKDAY, NEW PIPE MUST BE PLUGGED WITH WATER TIGHT SEAL.
- 28. WHEN USING WATER, CONTRACTOR MUST USE CERTIFIED BACKFLOW PREVENTER WITH CALIFORNIA AMERICAN WATER
- 29. CONTRACTOR SHALL CLEAN AND SWEEP STREETS DAILY.
- 30. CONTRACTOR SHALL ADJUST AND REALIGN EXISTING IRRIGATION SYSTEM AS NECESSARY TO INSTALL WATER FACILITIES.
- 31. CONTRACTOR SHALL RESURFACE WATER MAIN AND WATER SERVICE TRENCH PER THE REQUIREMENTS OF THE ENCROACHMENT PERMIT, BUT NOT LESS THAN THE REQUIREMENTS OF THE CITY OF BELLFLOWER PUBLIC WORKS
- 32. CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING TRAFFIC CONTROL DRAWINGS AND GAINING APPROVAL FROM CITY.
- 33. CONTRACTOR SHALL FURNISH AND INSTALL TEMPORARY AIR RELEASE VALVES AS NECESSARY DURING PRESSURE
- 34. CONTRACTOR SHALL INSTALL TEMPORARY SAMPLE PORTS AS NECESSARY FOR BACTI TESTING.







# WATER SERVICE NOTES:

- 1. CONTRACTOR SHALL CONNECT ON-SITE WATER SERVICE LINE TO NEW METER BOX, SEE STD DWGS ON SHEET 10. EXISTING WATER METER SHALL BE TRANSFERRED TO NEW METER BOX.
- CONTRACTOR SHALL RESURFACE WATER MAIN AND WATER SERVICE TRENCH PER CITY OF BELLFLOWER STANDARD DRAWINGS.
- 3. ALL RESIDENTIAL WATER SERVICES SHALL BE 1", UNLESS OTHERWISE NOTED OR OTHERWISE INDICATED IN THE SPECIFICATIONS. EXISTING WATER METERS SHALL BE REUSED.
- 4. CONTRACTOR SHALL EVALUATE EXISTING CONDITIONS AT PROPOSED METER BOX AND WATER SERVICE AREA, AND WORK WITH CALIFORNIA AMERICAN WATER TO DETERMINE APPROPRIATE LOCATION FOR NEW SERVICE.
- 5. CONTRACTOR SHALL REMOVE AND LAWFULLY DISPOSE OF EXISTING METER BOXES, UNLESS OTHERWISE NOTED.

#### STAGING NOTES:

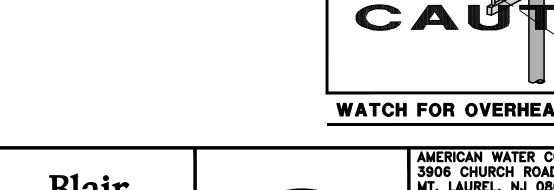
- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING STAGING AREA.
- 2. IF CONTRACTOR CHOOSES A PRIVATE PROPERTY FOR STAGING, CONTRACTOR SHALL OBTAIN AN AGREEMENT CONTRACTOR SHALL OBTAIN AN AGREEMENT WITH THE PROPERTY OWNER AND PROVIDE A COPY TO CALIFORNIA AMERICAN WATER

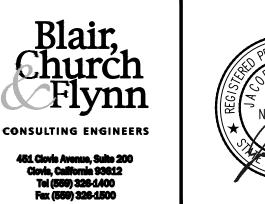
#### SEWER LATERAL NOTES:

- 1. UNLESS OTHERWISE NOTED, HORIZONTAL LOCATION OF SEWER LATERALS WAS OBTAINED FROM AS-BUILT SEWER MAIN PLANS. ALL LATERAL ELEVATIONS ARE UNKNOWN AND ARE DRAWN IN PROFILE AT A STANDARD DEPTH OF 2 FEET COVER.
- 2. FOR SEWER LATERALS THAT WERE NOT PROVIDED ON AS-BUILT PLANS, LATERALS WERE DRAWN DIAGRAMMATICALLY IN CENTER OF PROPERTY.
- 3. CONTRACTOR SHALL TAKE EXTRA CARE WHILE TRENCHING IN FRONT OF HOUSES TO AVOID DAMAGING SEWER LATERALS. COSTS TO LOCATE UNKNOWN SEWER LATERALS SHALL BE INCLUDED IN PROPOSED PIPELINE COSTS.

#### STREET RESURFACING NOTES:

- 1. CONTRACTOR SHALL RESURFACE WATER MAIN AND WATER SERVICE TRENCH PER CITY STANDARDS. LISTED BELOW.
- 2. TRENCH RESURFACING SHALL MATCH EXISTING STRUCTURAL SECTION, PLUS 1" THICKNESS FOR BASE AND ASPHALT CONCRETE. EXPECTED AC PAVEMENT THICKNESS IS 4"
- 3. FINAL RESTORATION SHALL INCLUDE A 2" GRIND & CAP AT LEAST 10' FROM EDGE OF GUTTER PLATE AND NO LESS THAN FULL LANE WIDTH FOR CUTS EXCEEDING 10' FROM EDGE OF GUTTER PLATE. RESTORATION LIMITS PARALLEL TO CURB AND GUTTER SHALL BE AT LEAST 10' IN LENGTH (IN DIRECTION OF VEHICULAR TRAVEL). WIDTH OF GRIND & CAP LIMITS SHALL EXTEND AT LEAST 1' PAST WIDTH OF TRENCH ON EACH SIDE.
- 4. FOR ANY TRENCH REPAIRS OR POTHOLES WITHIN 30' OF ANOTHER, FINAL RESTORATION PATCHES SHALL BE JOINED TOGETHER.
- 5. DIAGONAL TRENCH CUTS ACROSS MULTIPLE LANES SHALL BE SLURRY SEALED CURB TO CURB AFTER FINAL RESTORATION
- 6. REFER TO DETAIL  $\stackrel{\triangle}{\longrightarrow}$  AND APPENDIX B OF THE STANDARD SPECIFICATIONS FOR ADDITIONAL PROVISIONS REQUIRED BY THE CITY OF BELLFLOWER







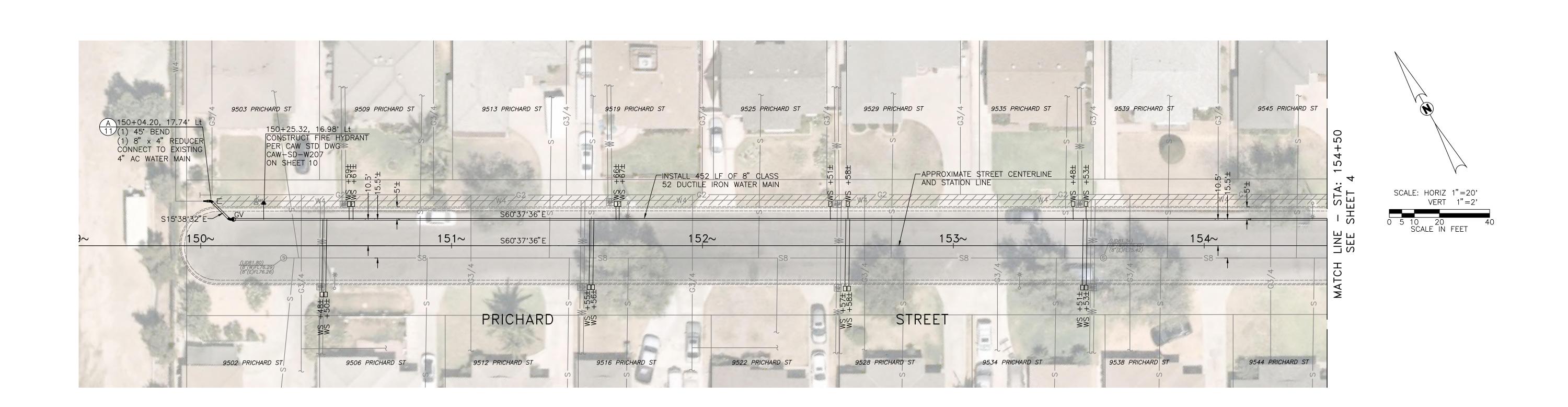


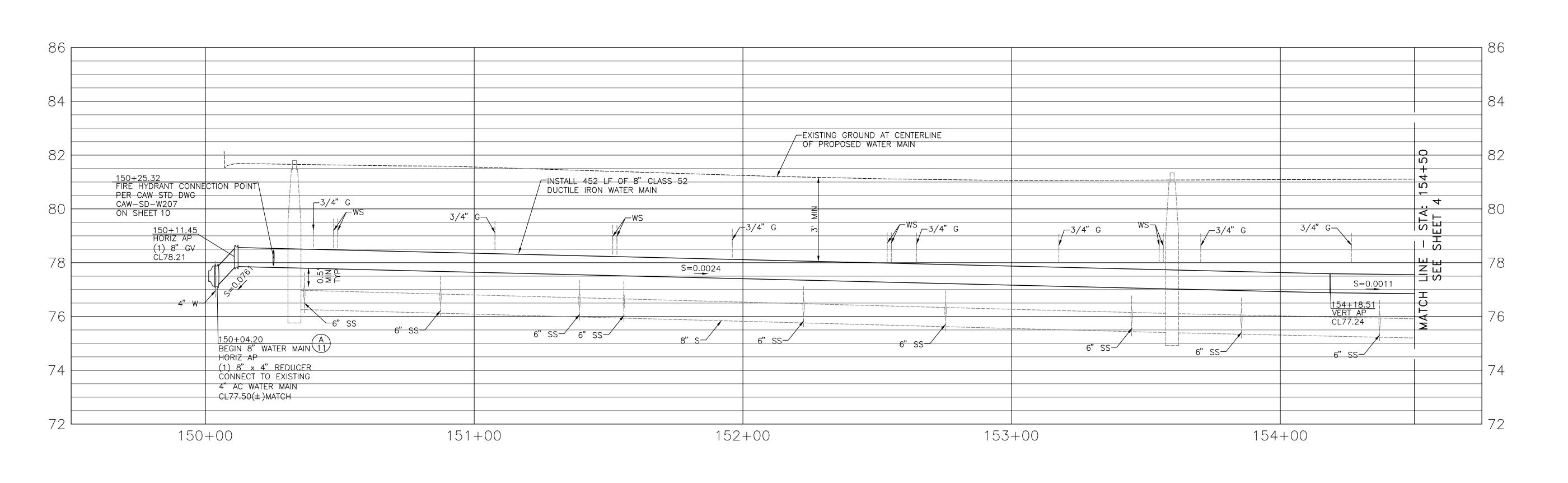
# PRICHARD STREET WATER MAIN REPLACEMENT CITY OF BELLFLOWER

IFGEND AND NOTES

DRAWN BY JRA Project Eng'r JLS	LEGEND AND NOTES		
<b>DATE</b> 2024-07-09			USE DIMENSIONS ONLY SCALE AS SHOWN
PROJECT	USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES	BID SET	2 / 11







# POTHOLE AND LOCATION NOTES:

- AS FIRST ORDER OF WORK, CONTRACTOR SHALL POTHOLE ALL CROSSING UTILITIES TO VERIFY HORIZONTAL AND VERTICAL LOCATIONS.
- 2. CONTRACTOR SHALL FIELD VERIFY EXISTING WATER VALVE DEPTHS VIA MEASUREMENTS FROM FINISHED GRADE TO VALVE NUT.







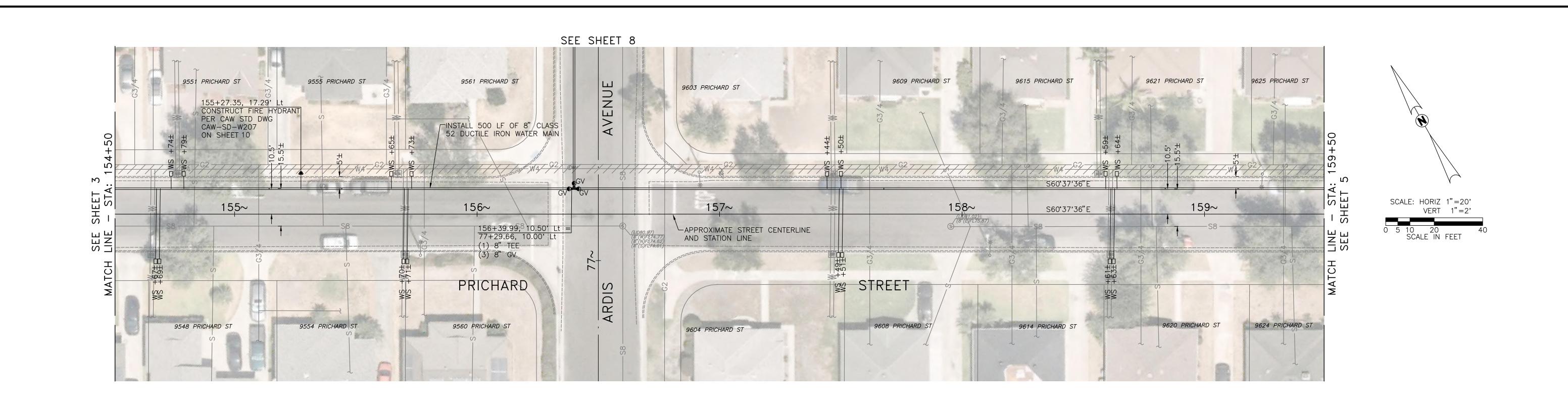
REVISIONS	REVISIONS

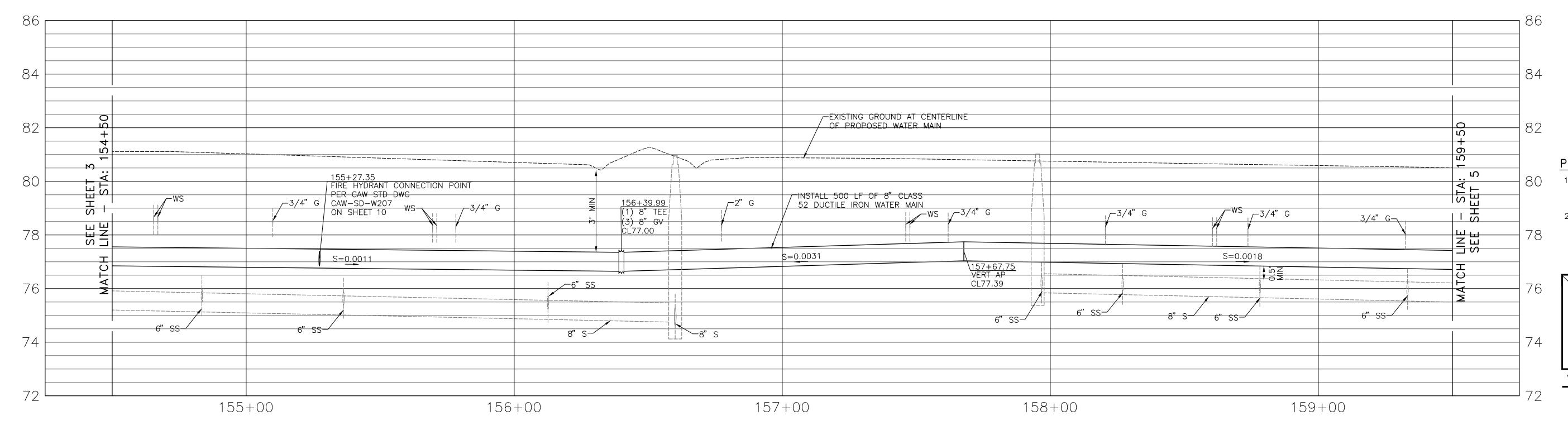




AMERICAN WATER COMPANY 3906 CHURCH ROAD MT. LAUREL, NJ 08054
AMERICAN WATER
DRAWN BY JRA

DRAWN BY JRA Project eng'r JLS	31A 149+30 10 31A 134+30 - PRICHARD 31		
<b>DATE</b> 2024-07-09			USE <b>DIMENSIONS ONLY</b> <b>SCALE</b> AS SHOWN
PROJECT	USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES	BID SET	3 / 11





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**WATCH FOR OVERHEAD POWER LINES** 





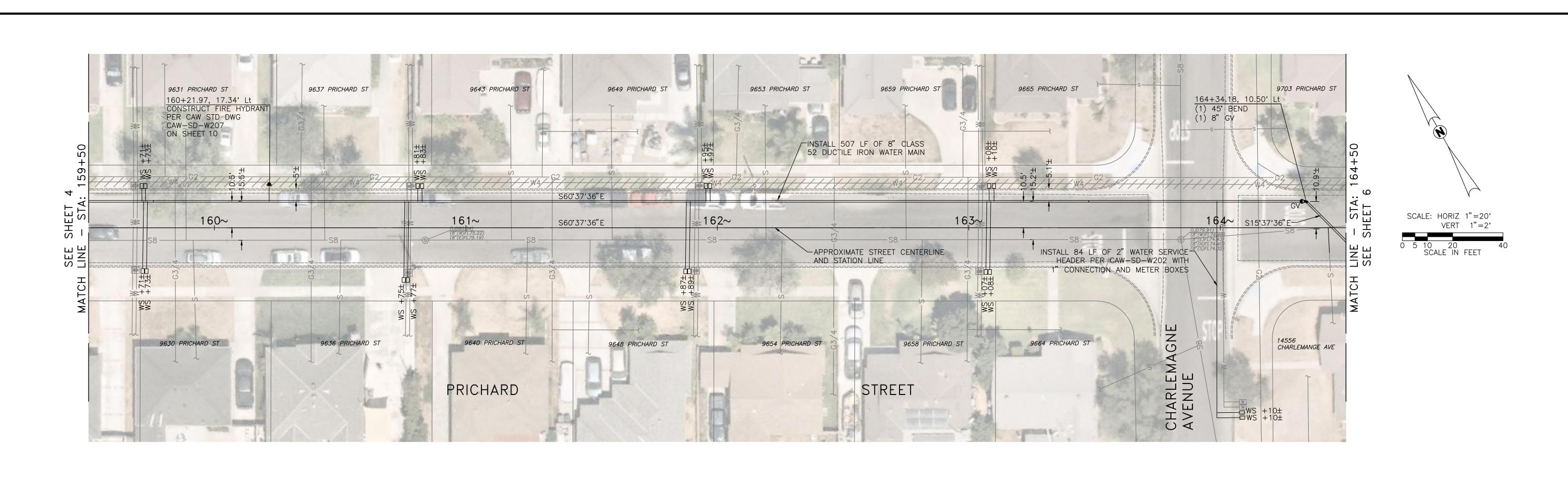
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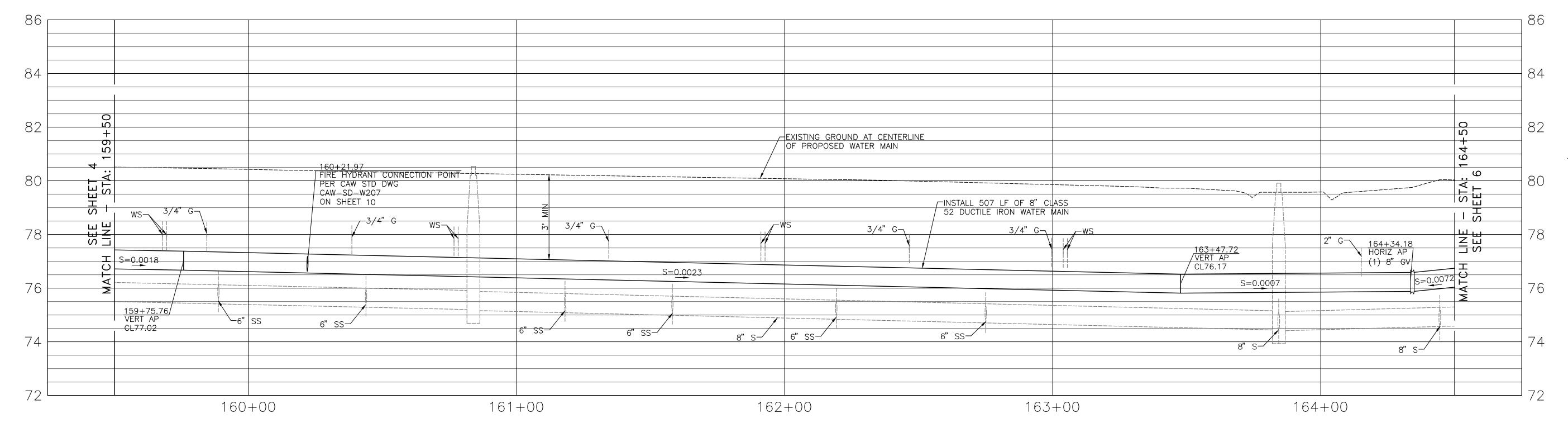




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AMERICAN WATER
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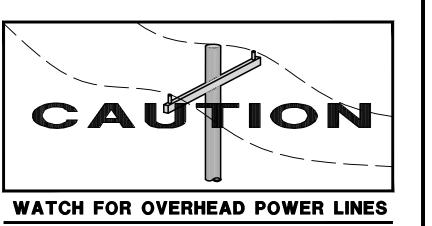
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<b>DATE</b> 2024-07-09			USE DIMENSIONS ONLY SCALE AS SHOWN
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Know what's **below**. **Call before you dig.** 



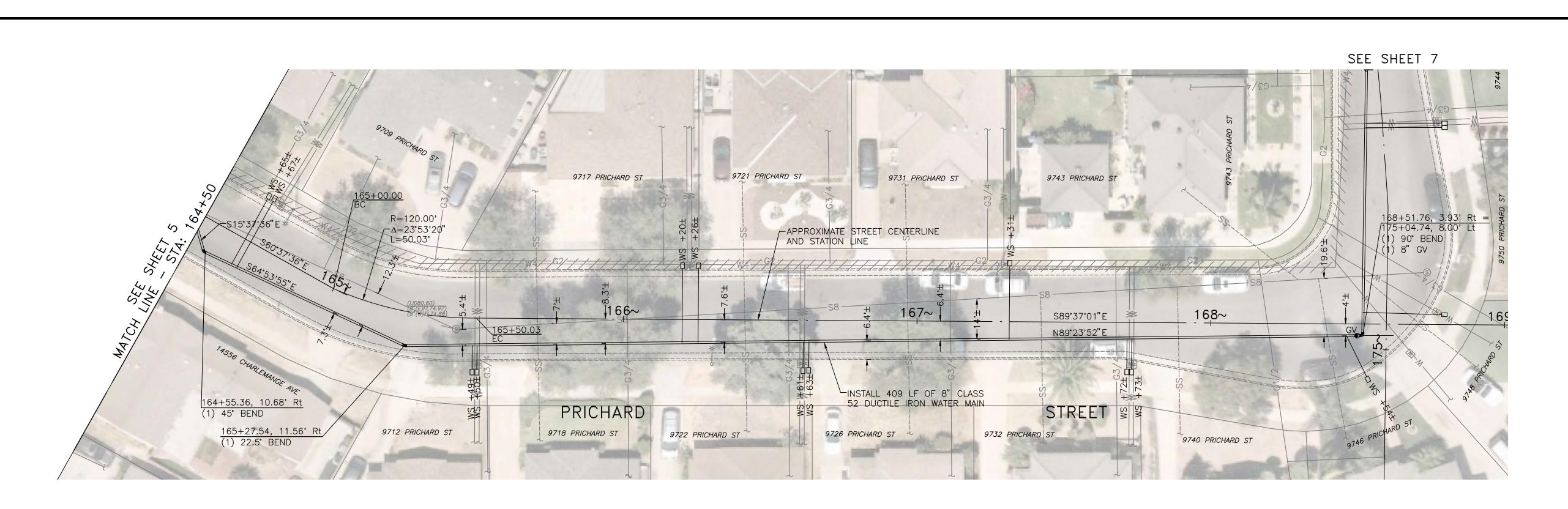
REVISIONS	REVISIONS

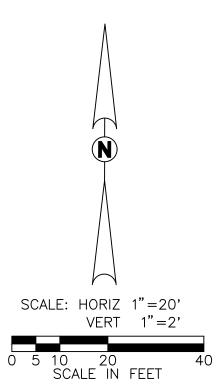


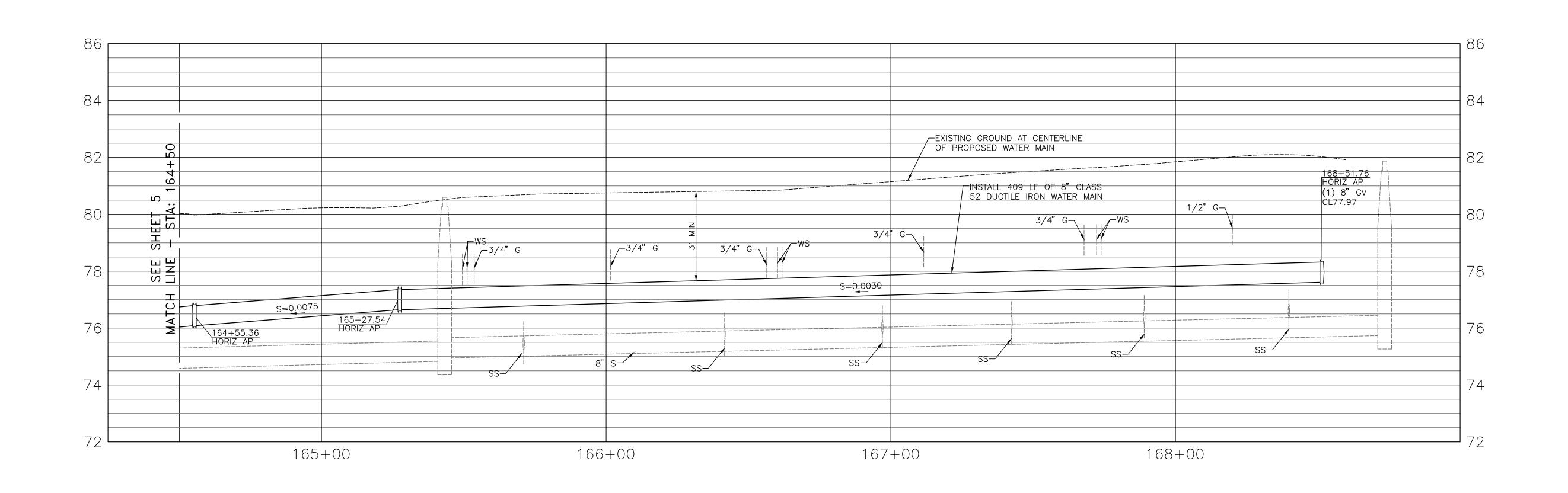


AMERICAN WATER COMPANY 3906 CHURCH ROAD MT. LAUREL, NJ 08054	
AMERICAN WATER	
DRAWN BY JRA Project eng'r JLS	

DRAWN BY JRA PROJECT ENG'R JLS	STA 149+5	0 TO STA 154+50 - PR	RICHARD ST
<b>DATE</b> 2024-07-09			USE DIMENSIONS ONLY SCALE AS SHOWN
PROJECT	USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES	BID SET	5 / 11







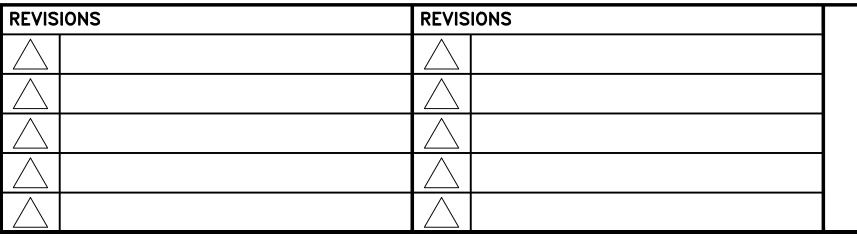
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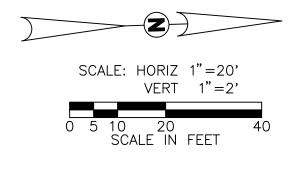


AMERICAN WATER COMPANY 3906 CHURCH ROAD MT. LAUREL, NJ 08054
AMERICAN WATER
DRAWN BY JRA PROJECT ENG'R JIS

DRAWN BY JRA Project eng'r Jls			
<b>DATE</b> 2024-07-09			USE DIMENSIONS ONLY SCALE AS SHOWN
PROJECT	USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES	BID SET	6 / 11

### SEE SHEET 6 9743 PRICHARD ST 9761 PRICHARD ST PRICHARD FINSTALL 177 LF OF 8" CLASS 176+44.51, 2.66' Lt 52 DUCTILE IRON WATER MAIN (1) 11.25° BEND N0°49′16″E N3°55'52"W N5°15'05"W176~ N0°14'23" E N0°49'16"E N0°26'34"W-NOQN I 175+04.74, 8.00' Lt 168+51.76, 3.93' Rt (1) 90° BEND -APPROXIMATE STREET 176+81.36, 4.22' Rt B CENTERLINE AND STATION LINE (1) 8" TEE (3) 8" GV CONNECT TO EXISTING 9744 GLANDON ST

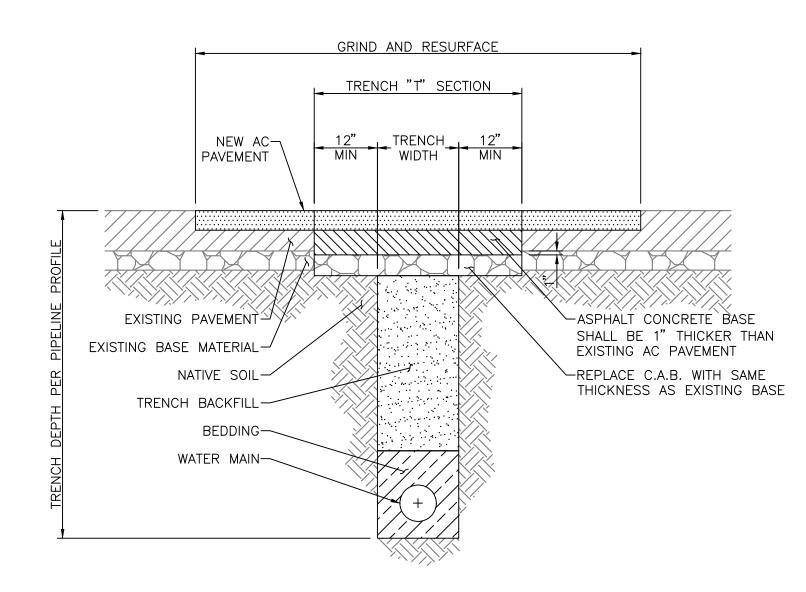
9750 PRICHARD ST



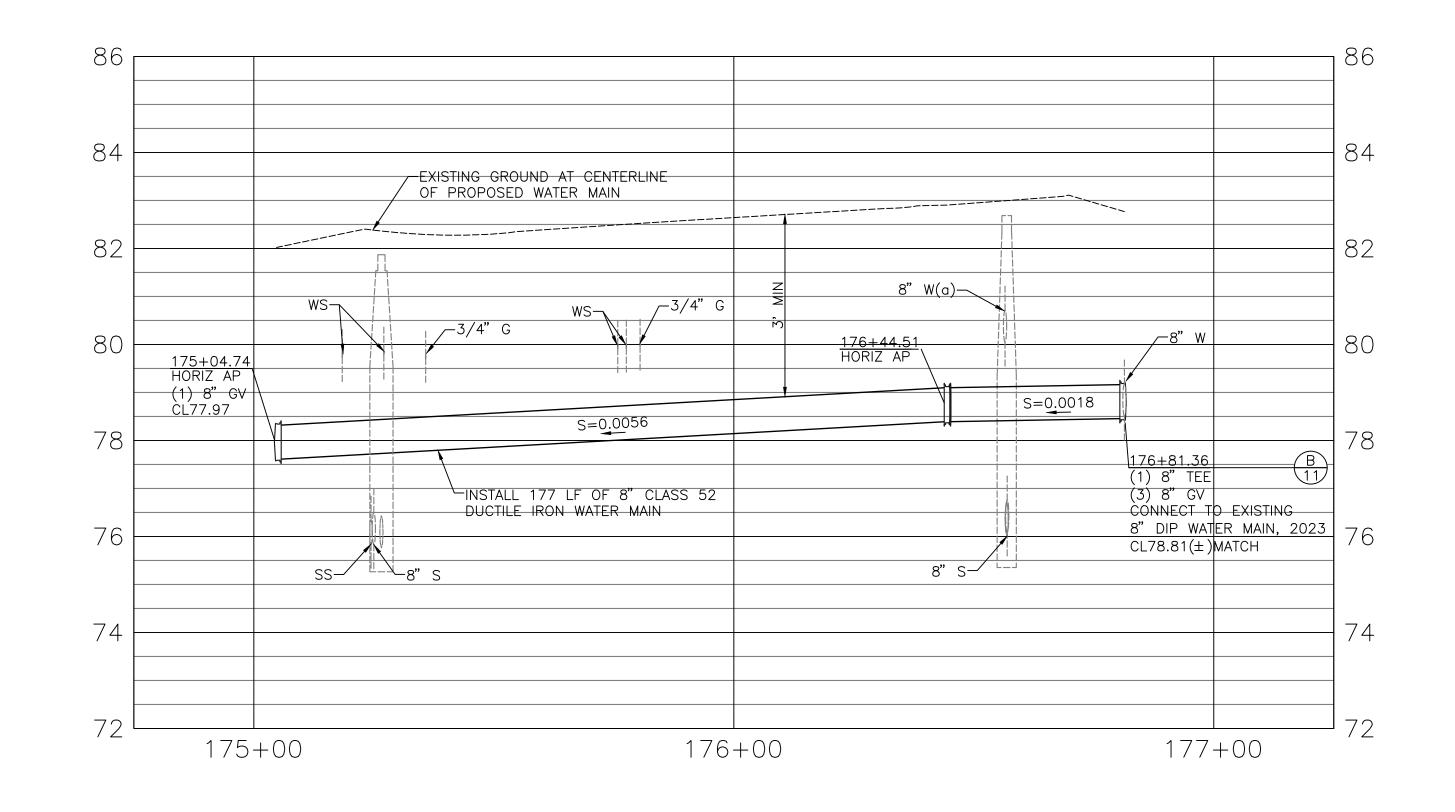
8" DIP WATER MAIN, 2023

#### RESURFACING NOTES:

- 1. ALL A.C. REPAIRS SHALL CONSIST OF BASE PAVED SECTIONS ONE (1) INCH THICKER THAN THE EXISTING A.C. SECTION WITH THE SAME THICKNESS BASE COURSE.
- 2. RESTORATION FINISH METHODS FOR ALL VERTICAL STREET EXCAVATIONS WILL BE DONE WITH A TWO (2) INCH GRIND AND CAP APPLICATION NO LESS THAN TEN (10) FEET FROM EDGE OF GUTTER PLATE AND NO LESS THAN FULL LANE WIDTH FOR CUTS EXCEEDING TEN (10) FEET FROM EDGE OF GUTTER PLATE. THE RESTORATION LIMITS PARALLEL TO CURB AND GUTTER SHALL BE NO LESS THAN TEN (10) FEET IN LENGTH (IN THE DIRECTION OF VEHICULAR TRAFFIC) AND EXTEND NO LESS THAN ONE (1) FOOT OUTSIDE OF ALL VERTICAL CUTS OR THE WIDTH REQUIRED TO REPAIR DAMAGED PAVEMENT.
- 3. ALL STREET CUTS WITHIN THIRTY (30) FEET OF EACH OTHER SHALL BE JOINED TOGETHER AS ONE SOLID, TWO (2) INCH GRIND AND CAP PATCH, FOLLOWING FLUSH BASE PAVING OPERATIONS.
- 4. A.C. REPAIRS WITHIN ONE HUNDRED (100) FEET OF ANY MAJOR BOULEVARD INTERSECTION SHALL BE GROUND AND CAPPED THE FULL WIDTH OF THE BOULEVARD AT TWO (2) INCHES IN DEPTH, ONE (1) FOOT BEYOND THE FURTHEST VERTICAL TRENCHED EDGE UP TO THE PROLONGATION OF THE INTERSECTING BOULEVARD.
- 5. A.C. REPAIRS MADE TO STREETS WHICH HAVE BEEN OVERLAID WITH ASPHALT RUBBER HOT MIX SHALL BE DONE WITH ASPHALT RUBBER HOT MIX.







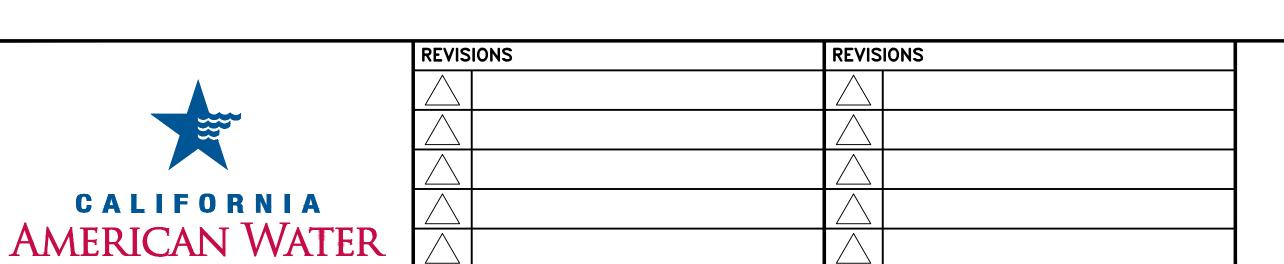
SEE WATER NOTES AND WATER SERVICE NOTES ON SHEET 2

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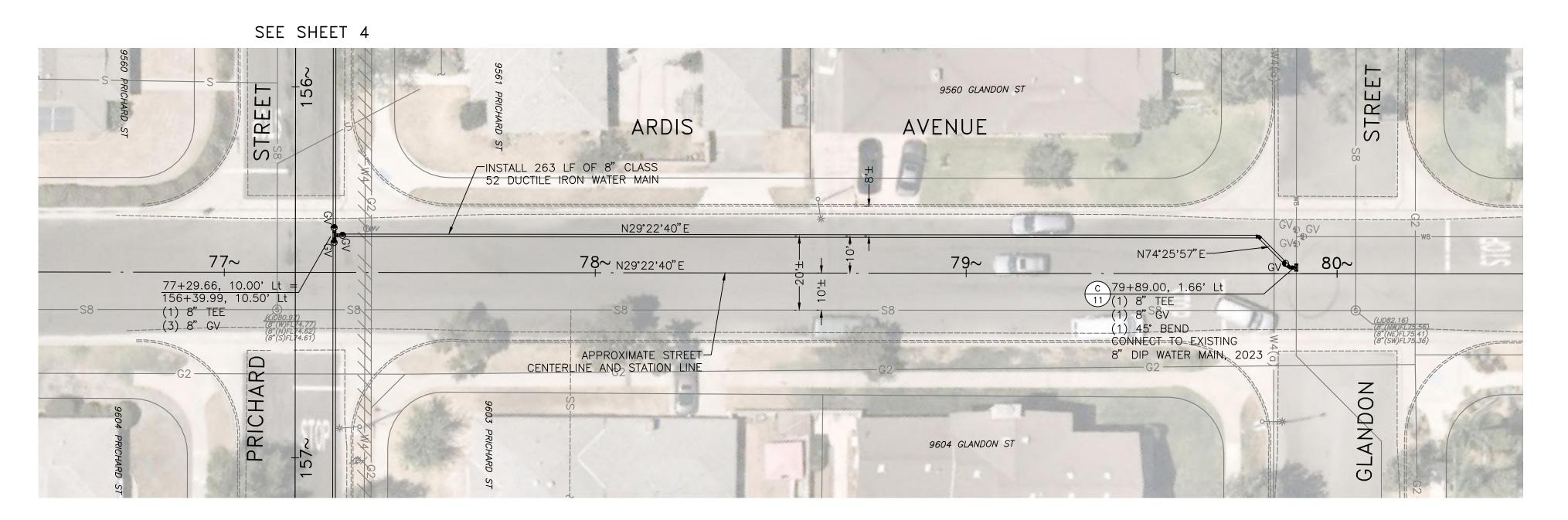


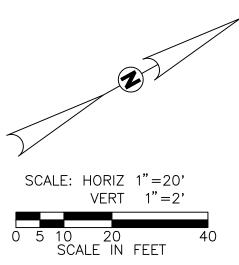


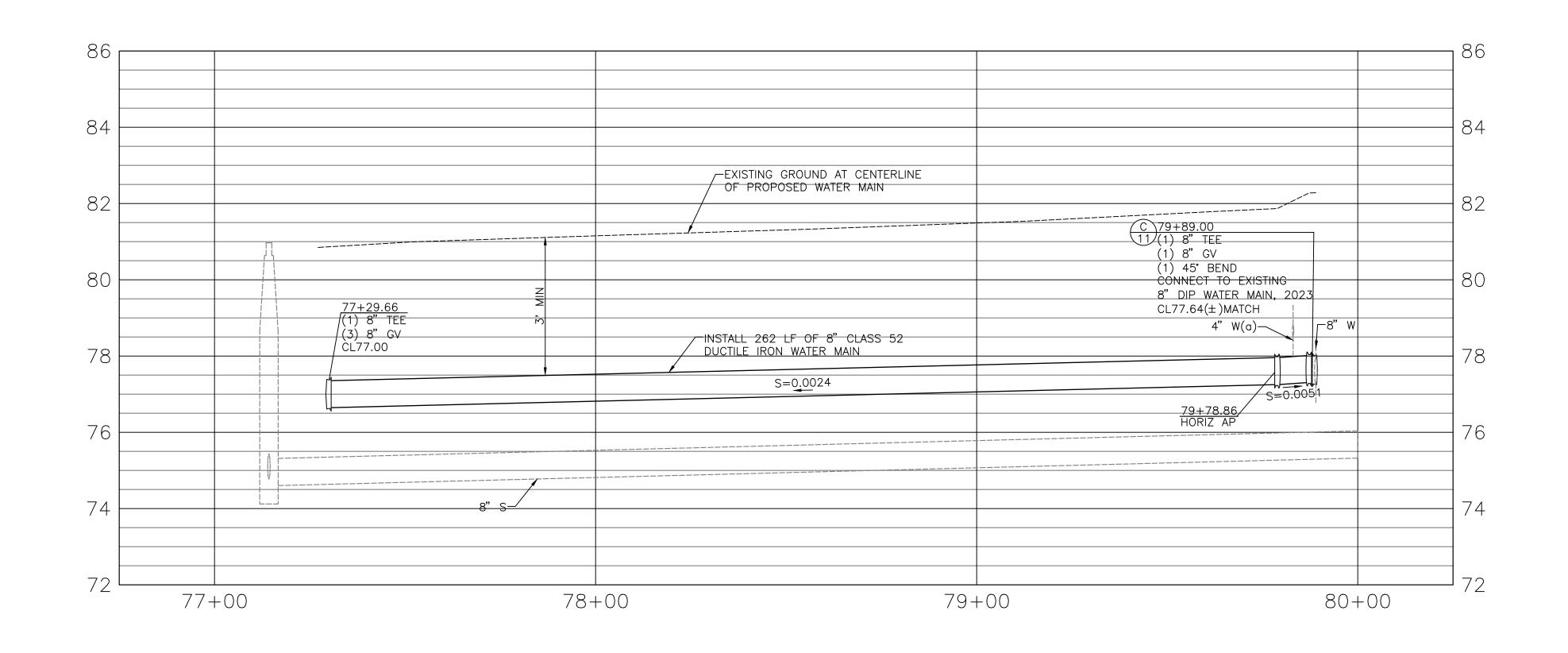
AMERICAN WATER COMPANY 3906 CHURCH ROAD
MT. LAUREL, NJ 08054
AMERICAN WATER
DRAWN BY JRA Project eng'r JLS

PRICHARD STREET WATER MAIN REPLACEMENT
CITY OF BELLFLOWER
PLAN AND PROFILE

AMERICAN WATER	STA 140±5	0 TO STA 154+50 - PF	DICHARD ST
DRAWN BY JRA Project Eng'r JLS	31A 149+3	0 10 SIA 134+30 - FR	RICHARD 31
<b>DATE</b> 2024-07-09			USE DIMENSIONS ONLY SCALE AS SHOWN
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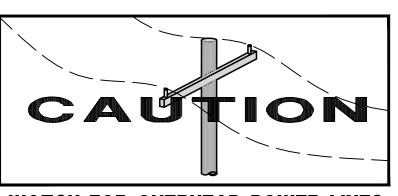






# POTHOLE AND LOCATION NOTES:

- AS FIRST ORDER OF WORK, CONTRACTOR SHALL POTHOLE ALL CROSSING UTILITIES TO VERIFY HORIZONTAL AND VERTICAL LOCATIONS.
- 2. CONTRACTOR SHALL FIELD VERIFY EXISTING WATER VALVE DEPTHS VIA MEASUREMENTS FROM FINISHED GRADE TO VALVE NUT.



WATCH FOR OVERHEAD POWER LINES





REVISIONS		REVISIONS	





AMERICAN WATER COMPANY 3906 CHURCH ROAD
MT. LAUREL, NJ 08054
AMERICAN WATER
DRAWN BY JRA

DRAWN BY JRA Project eng'r Jls	51A 149+5	0 10 SIA 154+50 - PR	RICHARD SI
<b>DATE</b> 2024-07-09			USE DIMENSIONS ONLY SCALE AS SHOWN
PROJECT	USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES	BID SET	8 / 11



- ALL WATER IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST CURRENT CALIFORNIA AMERICAN WATER COMPANY
  (CAL-AM) STANDARD SPECIFICATIONS AND DETAILS, AND AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS. THE CONTRACTOR SHAL
  HAVE A CURRENT COPY OF CAL-AM STANDARD SPECIFICATIONS AND DETAILS AT THE JOB SITE AT ALL TIMES.
- 2. CAL-AM APPROVAL OF THE DRAWINGS DOES NOT CONSTITUTE A COMMITMENT FOR SERVICE OR AN AUTHORIZATION TO START CONSTRUCTION.
  THE APPLICANT/CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM ANY FEDERAL, STATE, AND/OR LOCAL PERMIT AUTHORITY HAVING
  JURISDICTION OVER ANY PHASE OF CONSTRUCTION ASSOCIATED WITH THE INSTALLATION OF THE WATER SYSTEM.
- CAL-AM IS ONLY RESPONSIBLE FOR MARKING EXISTING WATER FACILITIES OWNED BY CAL-AM AND SHALL NOT BE RESPONSIBLE FOR MARKING OTHER FACILITIES INCLUDING THOSE NEWLY INSTALLED BUT NOT YET ACCEPTED BY, AND CONVEYED TO, CAL-AM. THE APPLICANT/CONTRACTOR IS RESPONSIBLE FOR MARKING NEW FACILITIES UNTIL CAL-AM ACCEPTS OWNERSHIP. ANY AND ALL DAMAGE TO WATER FACILITIES TO BE OWNED BY CAL-AM MUST BE REPORTED TO CAL-AM IMMEDIATELY AND CAL-AM MUST BE ALLOWED TO INSPECT AND APPROVE REPAIRS OR REPLACEMENTS. ANY UNMARKED OR INACCURATE MARKINGS OF OTHER UTILITIES ARE NOT THE RESPONSIBILITY OF CAL-AM.
- THE APPLICANT/CONTRACTOR SHALL TAKE VIDEO AND PHOTOS TO DOCUMENT EXISTING FIELD CONDITIONS AND SUBMIT TO CAL-AM PRIOR TO START OF CONSTRUCTION.
- THE APPLICANT/CONTRACTOR SHALL HAVE CURB AND GUTTER INSTALLED PRIOR TO START OF CONSTRUCTION OF WATER MAIN, FIRE HYDRANTS SERVICES, ETC.
- THE APPLICANT/CONTRACTOR SHALL CERTIFY SUBGRADE PRIOR TO START OF CONSTRUCTION OF WATER MAIN, FIRE HYDRANTS, SERVICES, ETC
   THE APPLICANT/CONTRACTOR IS REQUIRED TO SUBMIT MATERIALS TO CAL-AM FOR APPROVAL PRIOR TO CONSTRUCTION. THE
- APPLICANT/CONTRACTOR SHALL SCHEDULE AND ATTEND AN ON-SITE PRE-CONSTRUCTION MEETING A MINIMUM OF FIVE (5) BUSINESS DAYS PRIOR TO CONSTRUCTION. THE APPLICANT/CONTRACTOR SHALL HAVE ALL MATERIALS ONSITE PRIOR TO THE PRE-CONSTRUCTION MEETING.
- THE APPLICANT/CONTRACTOR SHALL NOTIFY CAL-AM FIVE (5) BUSINESS DAYS PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) A MINIMUM OF 48 HOURS PRIOR TO ANY CONSTRUCTION.
   THE APPLICANT/CONTRACTOR SHALL HAVE ALL PERMITS PRIOR TO START OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO LOCAL, CITY,
- COUNTY, AND DIVISION OF DRINKING WATER (DDW).

  10. SEPARATION REQUIREMENTS FOR WATER MAINS SHALL BE IN COMPLIANCE WITH TITLE 22. OTHERWISE A VARIANCE FROM CALIFORNIA DIVISION
- OF DRINKING WATER (DDW) MUST COORDINATED THROUGH CAL-AM. DDW APPROVAL SHALL BE OBTAINED PRIOR TO START OF CONSTRUCTION.

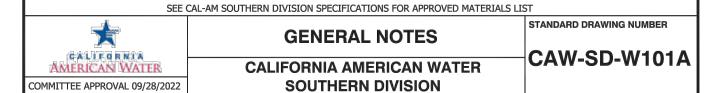
  11. THE APPLICANT/CONTRACTOR SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THAT
- THE PUBLIC IS PROTECTED. THE CONTRACTOR SHALL COMPLY WITH THE OCCUPATIONAL SAFETY AND HEALTH REGULATIONS OF THE U.S. DEPARTMENT OF LABOR AND THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS.

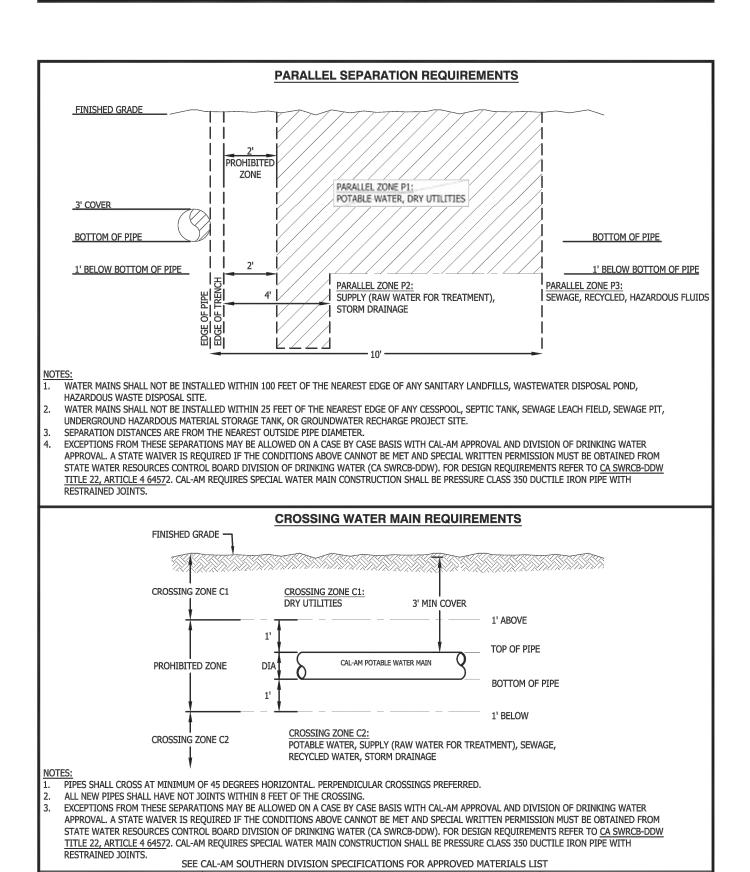
  12 CAL-AM CANNOT GUARANTEE A COMPLETE SHUT-DOWN OF EXISTING WATER MAINS BECAUSE OF THE AGE AND CONDITION OF EXISTING VALVES
- FOR DE-WATERING AND ISOLATION OF CONSTRUCTION FOR TESTING PURPOSES AT THE APPLICANT/CONTRACTOR'S EXPENSE.

  13. THE APPLICANT/CONTRACTOR SHALL REQUEST TO SCHEDULE A SHUTDOWN THROUGH CAL-AM'S INSPECTOR A MINIMUM OF FIVE (5) BUSINESS DAYS PRIOR TO THAT SCHEDULED SHUT-DOWN. SHUT DOWN TIME SHALL NOT EXCEED FOUR (4) HOURS WITHOUT SPECIAL CAL-AM APPROVAL.

CAL-AM WILL ATTEMPT TO SHUT DOWN MAINS AS COMPLETELY AS POSSIBLE: HOWEVER, THE APPLICANT/CONTRACTOR SHALL BE RESPONSIBLE

- 14. ACTUAL FIELD CONDITIONS MAY VARY FROM THOSE SHOWN ON THE DRAWINGS AND CAL-AM ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF THE DRAWINGS. THE APPLICANT/CONTRACTOR SHALL POTHOLE ALL UTILITY CROSSINGS PRIOR TO CONSTRUCTION AT THE CONTRACTORS EXPENSE. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION, SIZE, DEPTH, MATERIAL, AND TYPE OF ALL EXISTING UTILITIES AND INTERFERENCES WITHIN THE PROPOSED CONSTRUCTION AREA PRIOR TO EXCAVATION, FABRICATION AND INSTALLATION. THE CONTRACTOR SHALL PROTECT ALL IMPROVEMENTS AND UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY CAL-AN OF ANY CONFLICTS AND RECEIVE AUTHORIZATION PRIOR TO CONTINUING WORK
- 15. THE APPLICANT/CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES (I.E. ELECTRICAL, TELEPHONE, WATER, SEWER, STORM, GAS, OIL, FIBER OPTIC. IRRIGATION. AND MANHOLES. ETC.) IN PLACE.
- 16. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST PUBLICATION "STATE OF CALIFORNIA MANUAL OF TRAFFIC CONTROL FOR CONSTRUCTION AND MAINTENANCE WORK ZONES". FLAGGERS SHALL BE STATE CERTIFIED, WHEN REQUIRED.
- 17. THE APPLICANT/CONTRACTOR SHALL RESTORE OR REPLACE IN KIND ALL EXISTING IMPROVEMENTS DISTURBED DURING CONSTRUCTION.
- AT THE END OF EACH WORKING DAY AND AT THE TIMES WHEN CONSTRUCTION OPERATION IS SUSPENDED FOR ANY REASONS, THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT, VEHICLES, MATERIALS, TRAFFIC CONTROL DEVICES, STOCKPILE OR ANY OTHER FORM OF OBSTRUCTION FROM THE STREET RIGHT-OF-WAY. THE CONTRACTOR SHALL EITHER BACKFILL AND PLACE BASE PAVEMENT OR THE TRENCH SHALL HAVE HYDRAULIC SHORING AND PLYWOOD BACKING WITH RECESSED NON-SKID STEEL PLATES. WHEN MORE THAN ONE STEEL PLACE IS USED, EACH PLATE SHALL HAVE THREE 3-INCH TACK WELDS AND CORNERS PINNED.

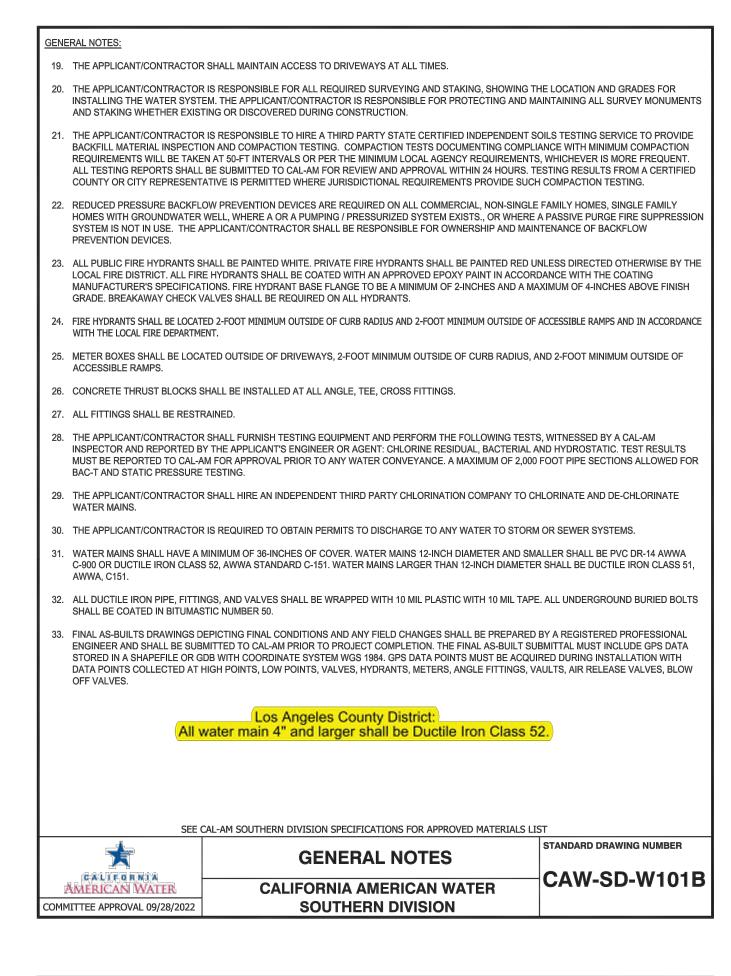


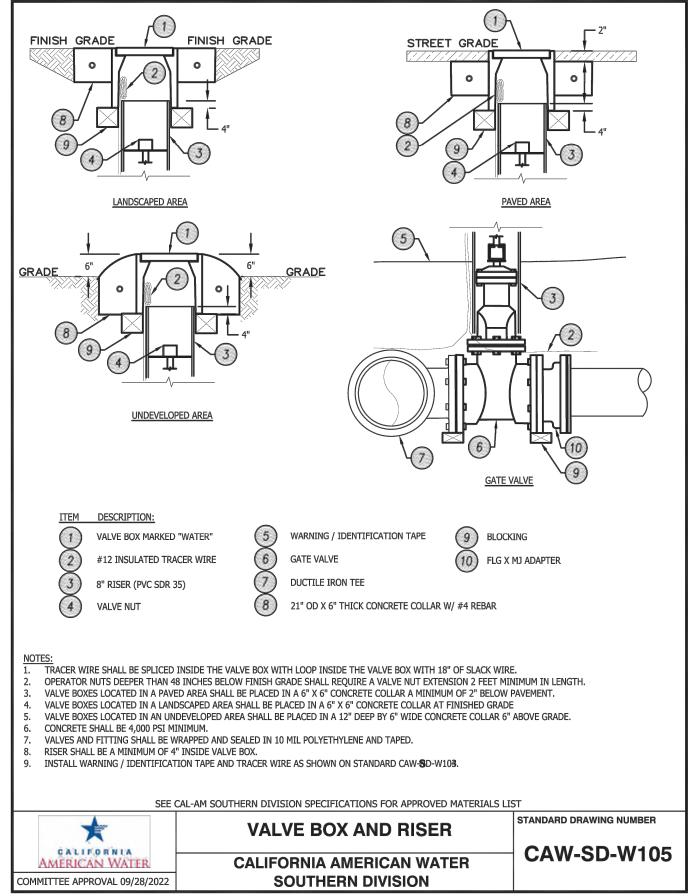


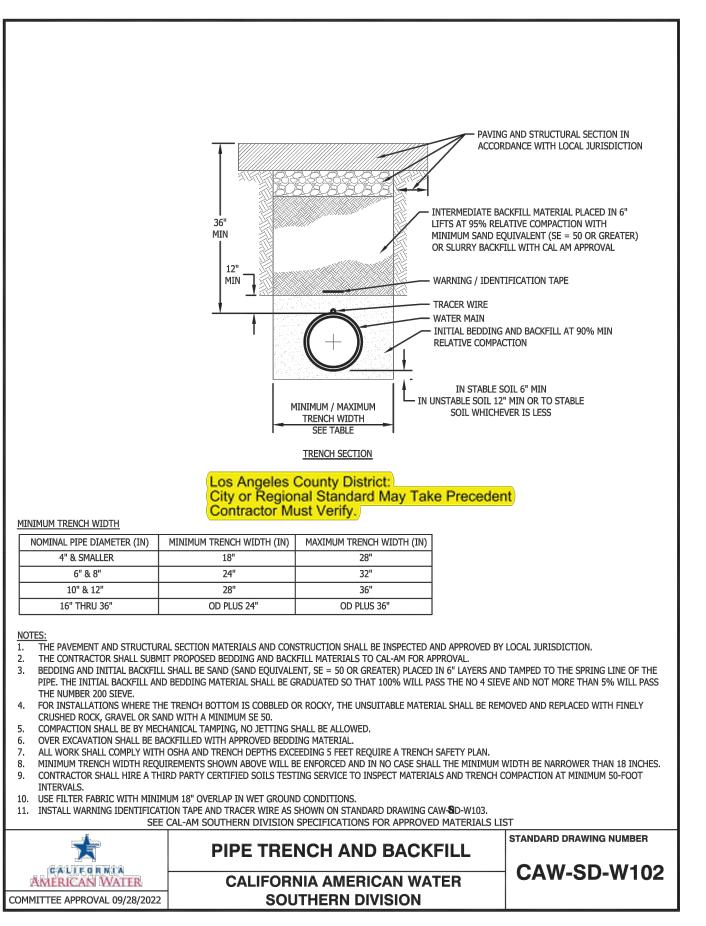
SEPARATION REQUIREMENTS

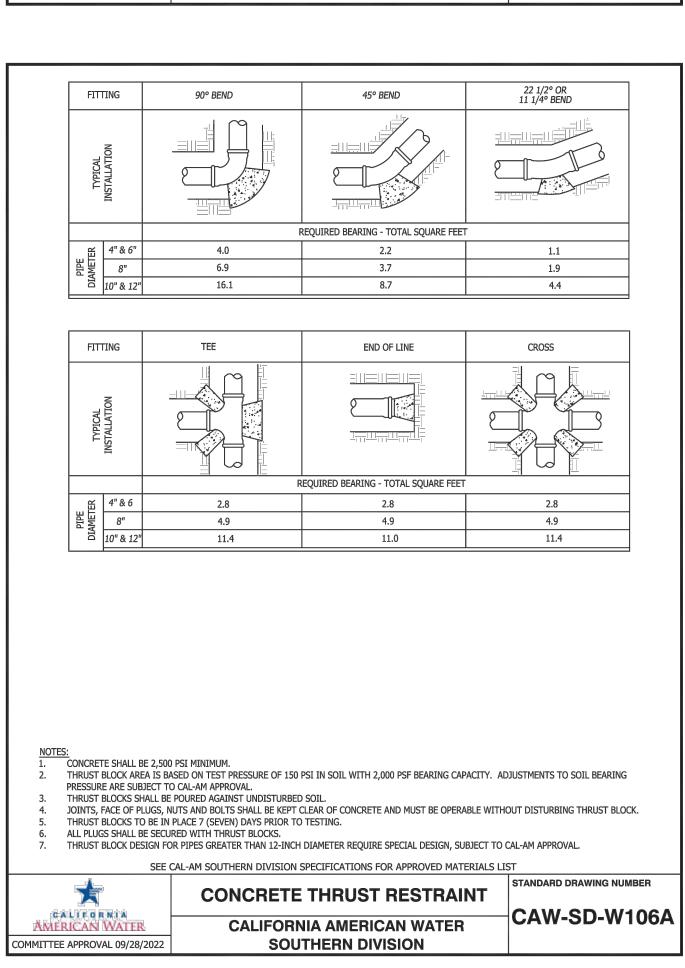
**CALIFORNIA AMERICAN WATER** 

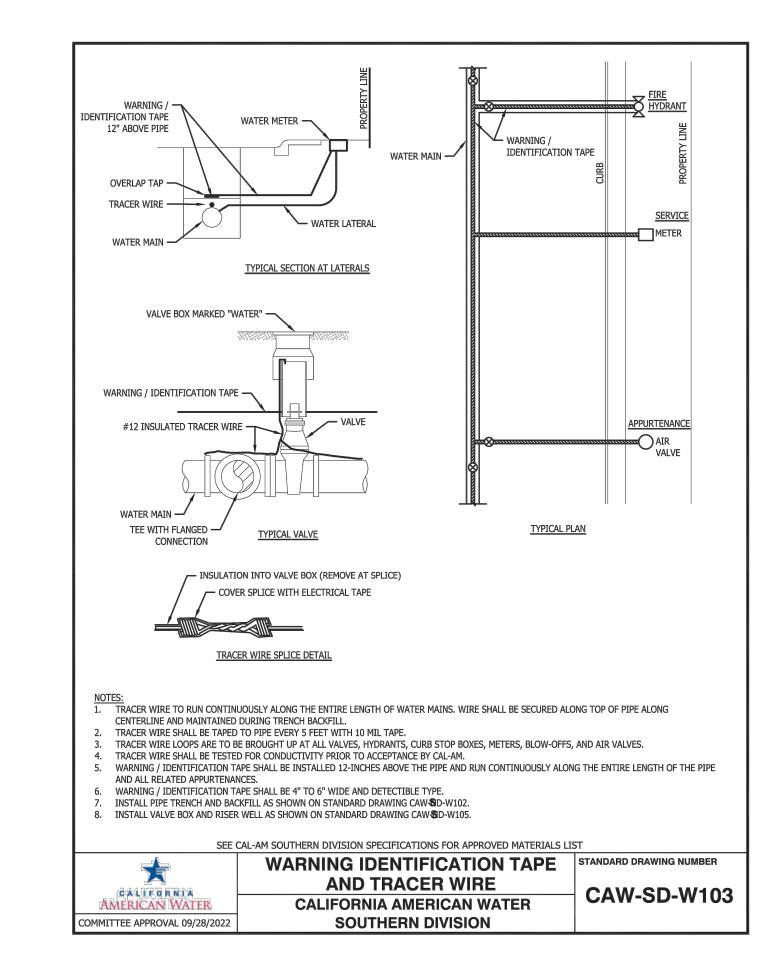
**SOUTHERN DIVISION** 

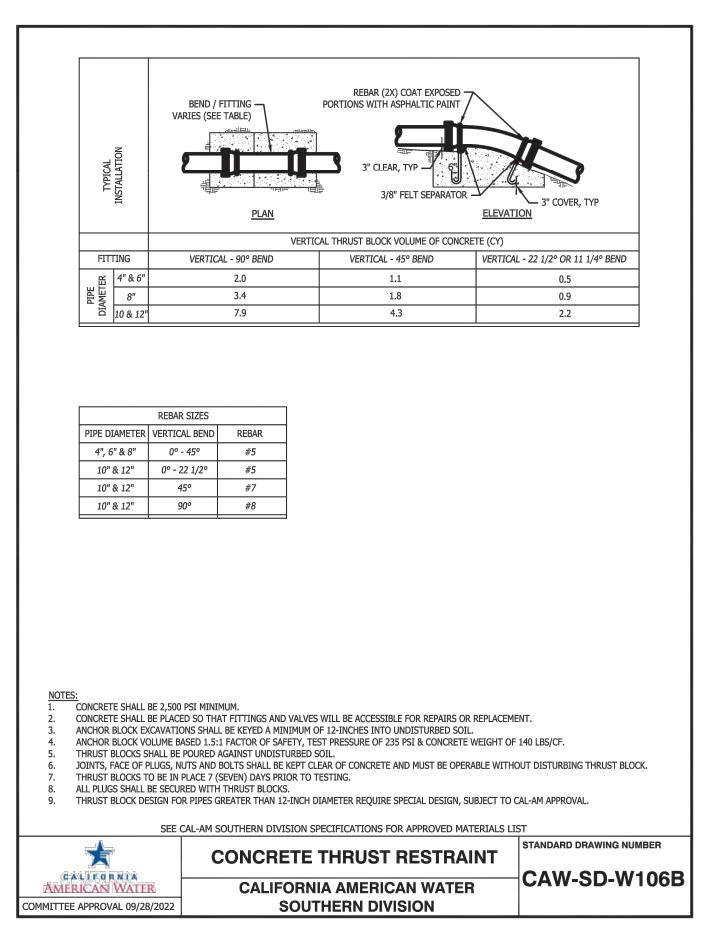










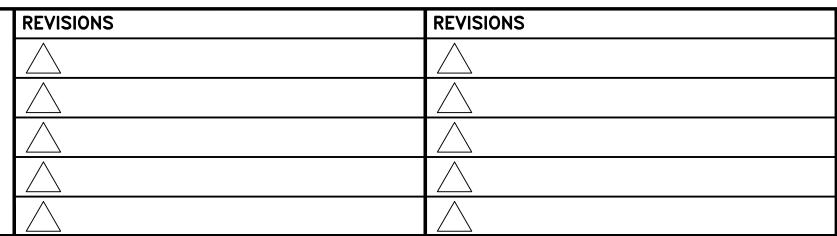




CALIFORNIA

MERICAN WATER

MMITTEE APPROVAL 09/28/2022



CAW-SD-W104







PRICHARD STREET WATER MAIN REPLACEMENT CITY OF BELLFLOWER

STANDARD DETAILS

PROJECT ENG'R JLS

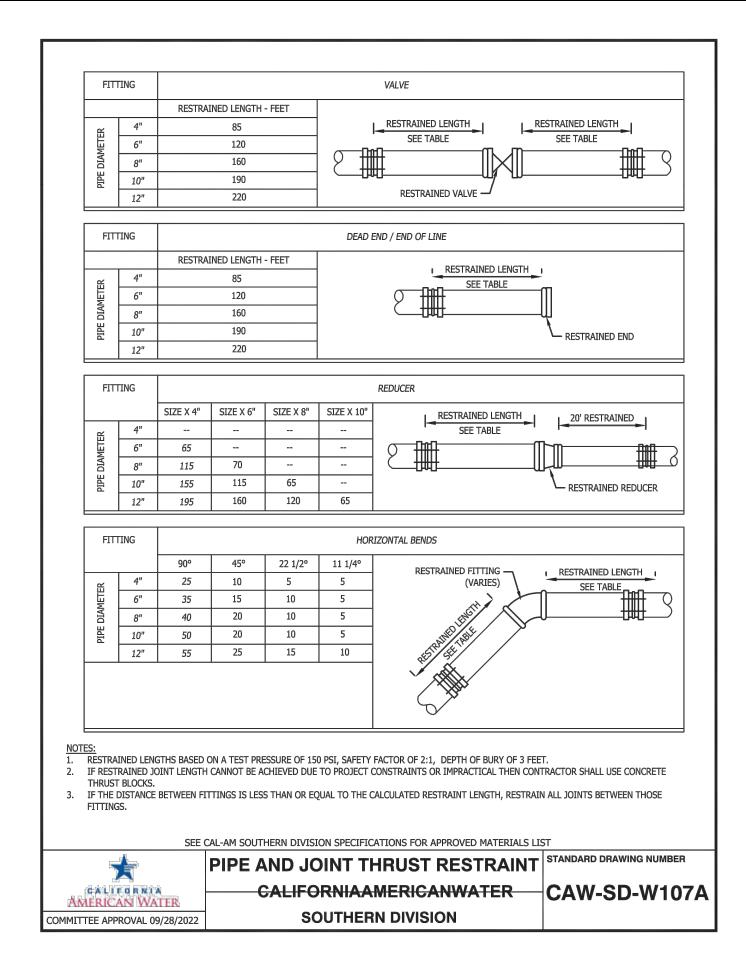
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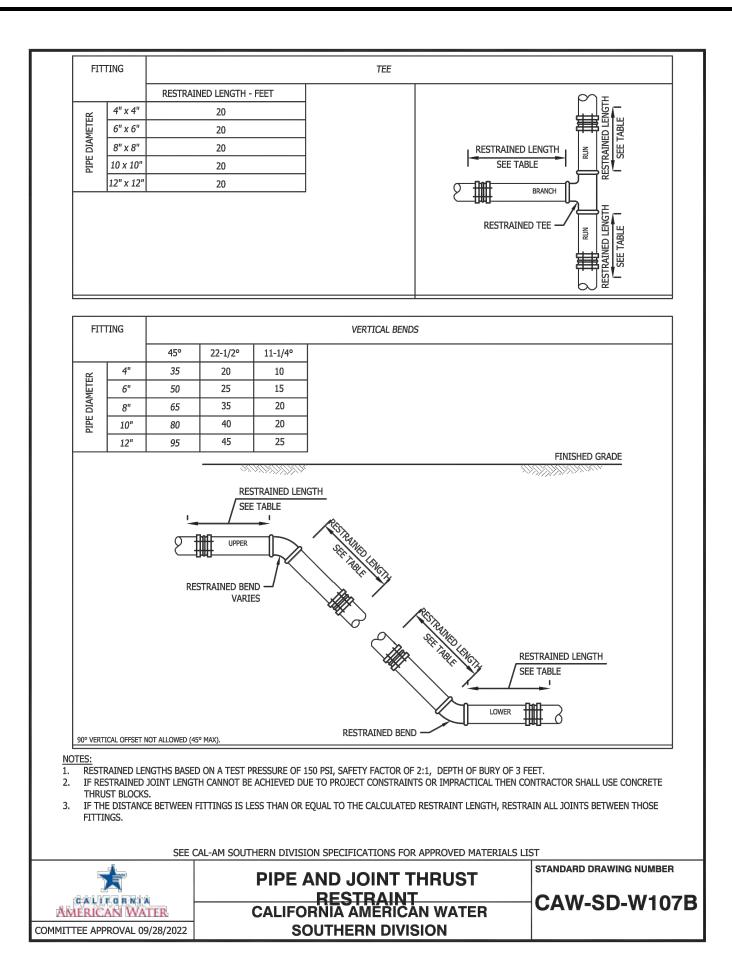
PROJECT

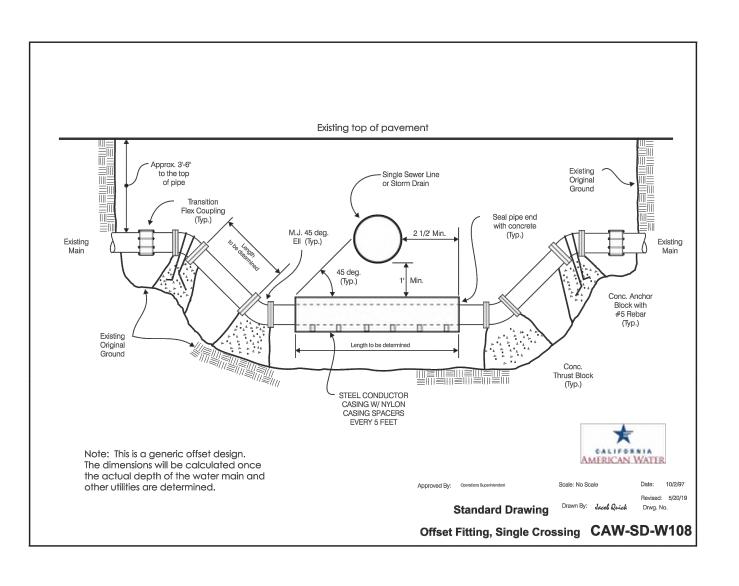
USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES

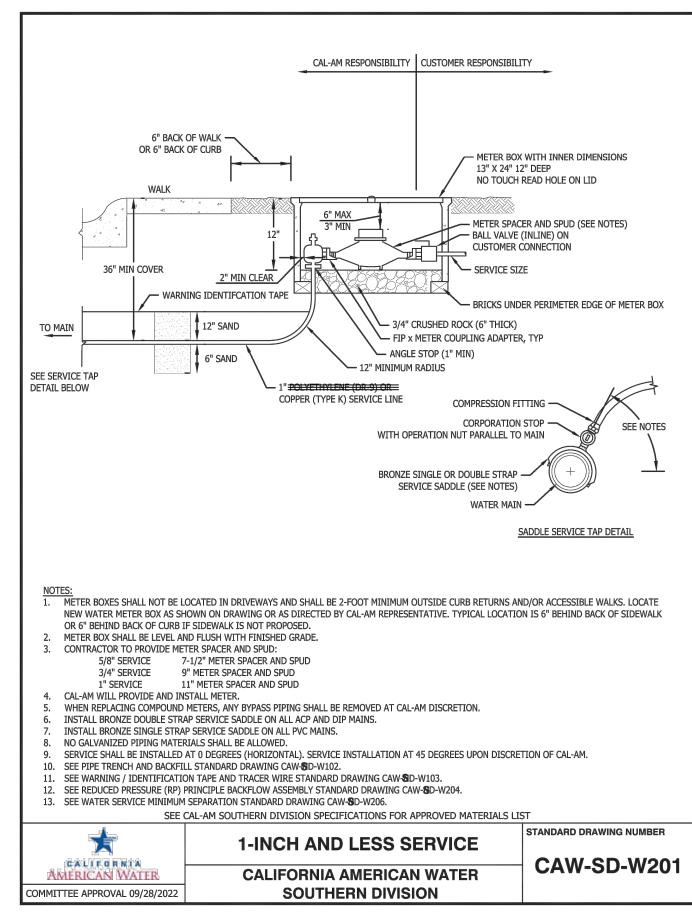
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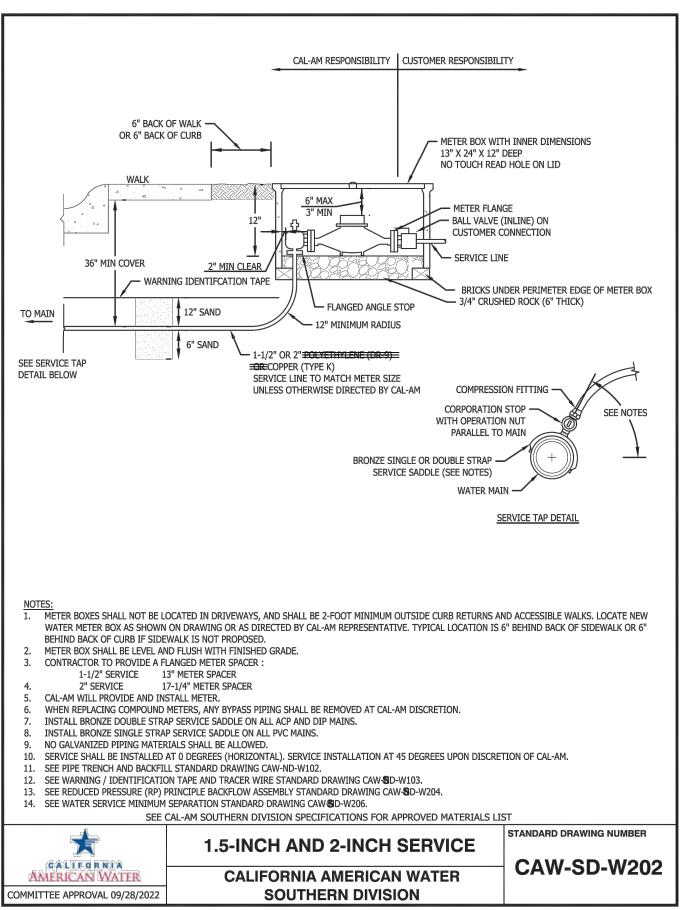
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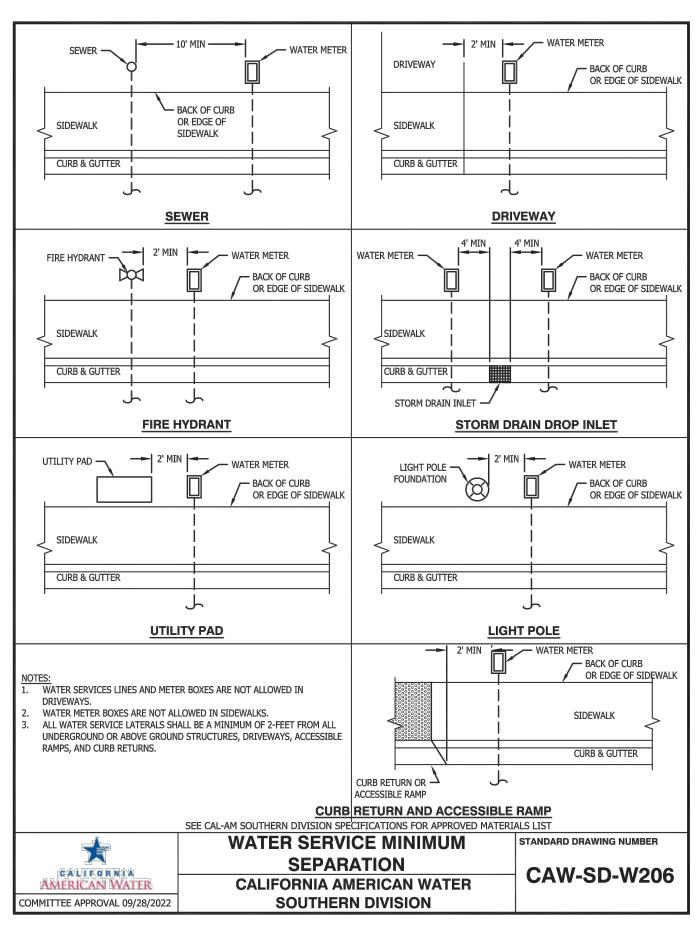


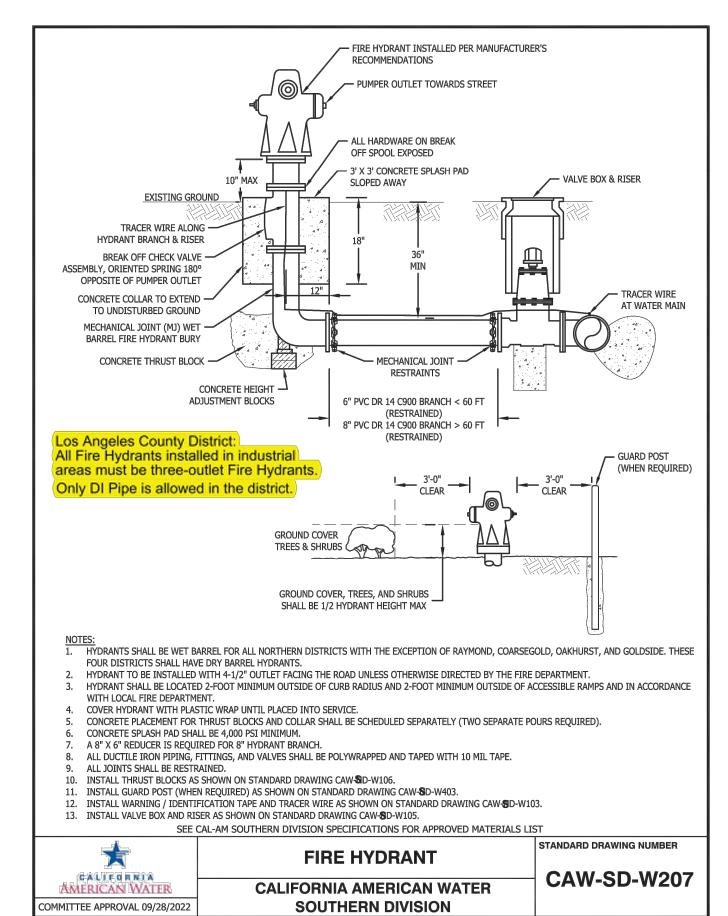


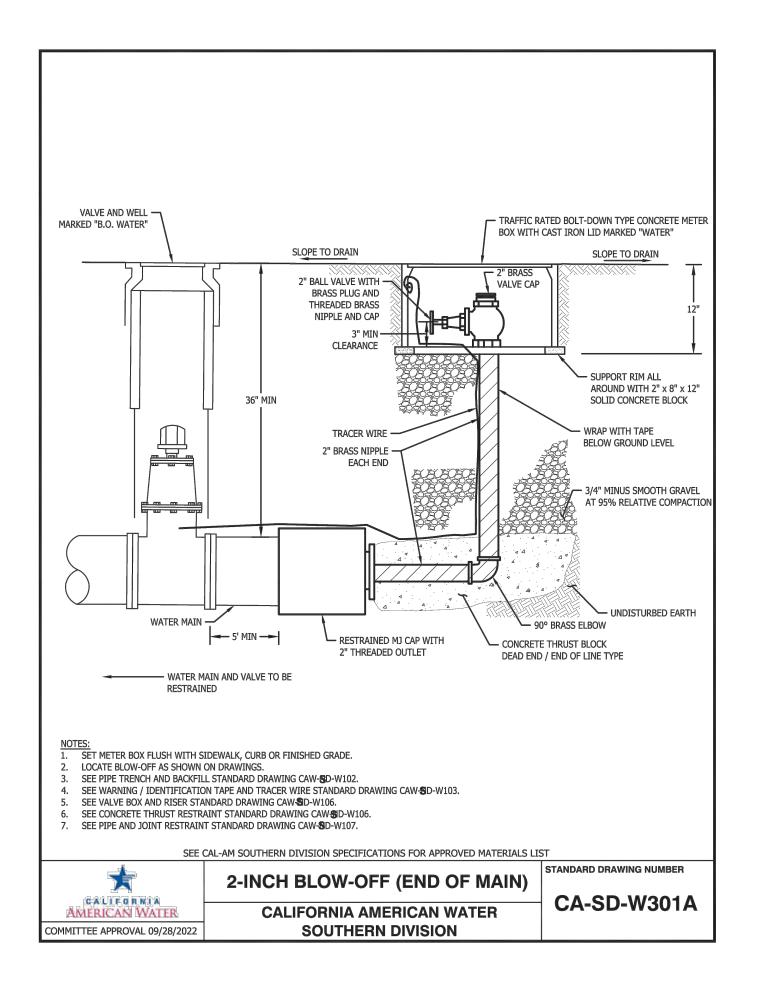




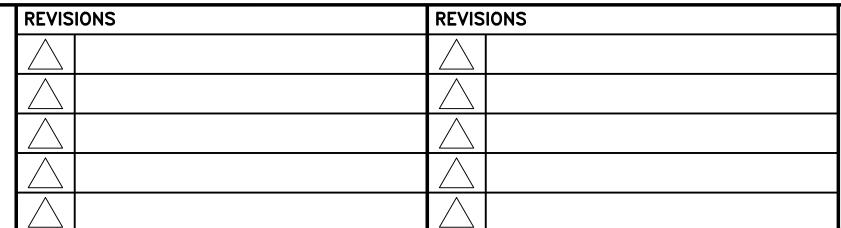








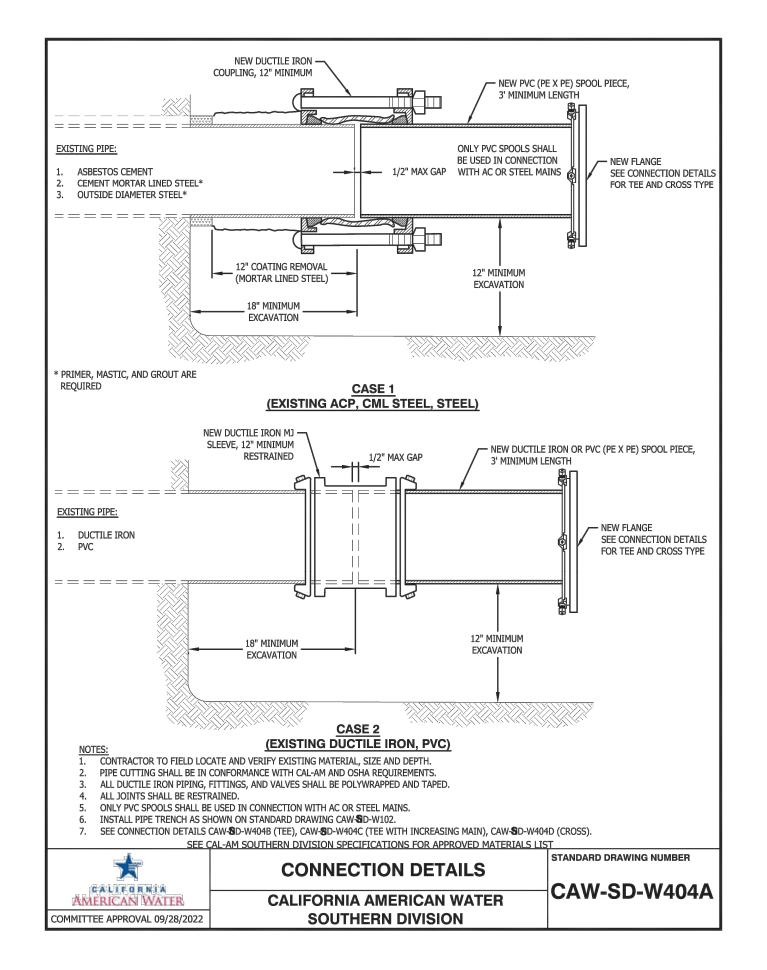


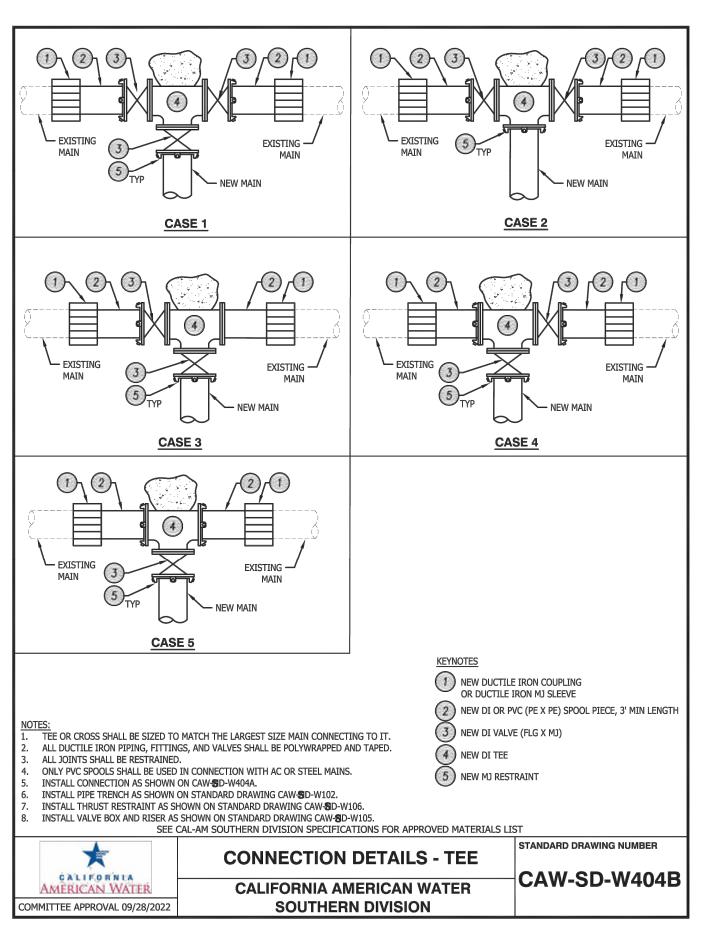


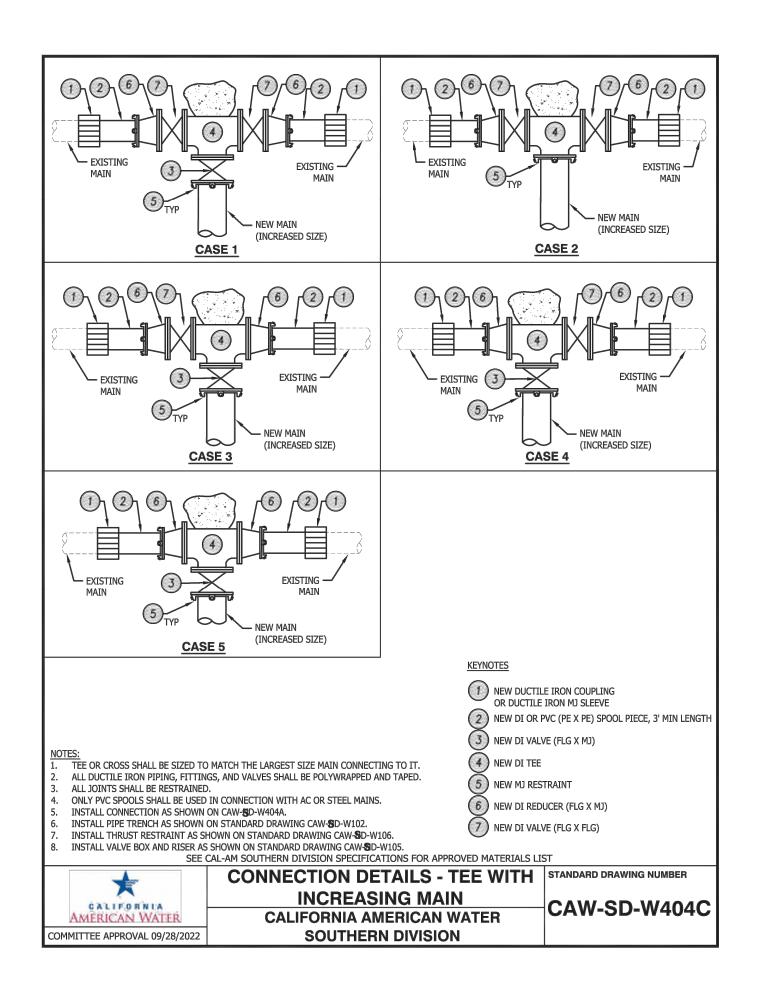


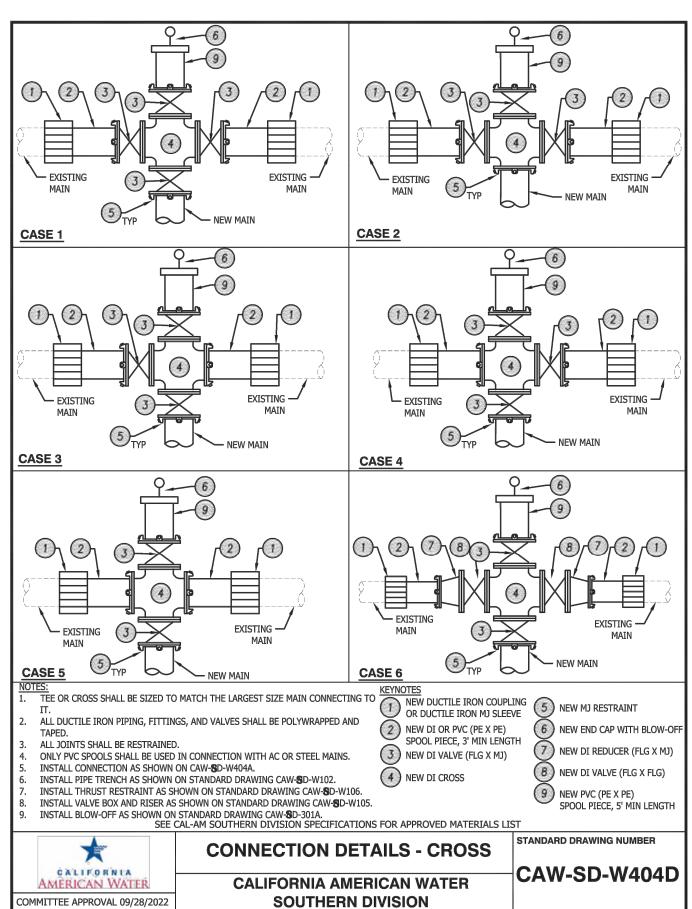


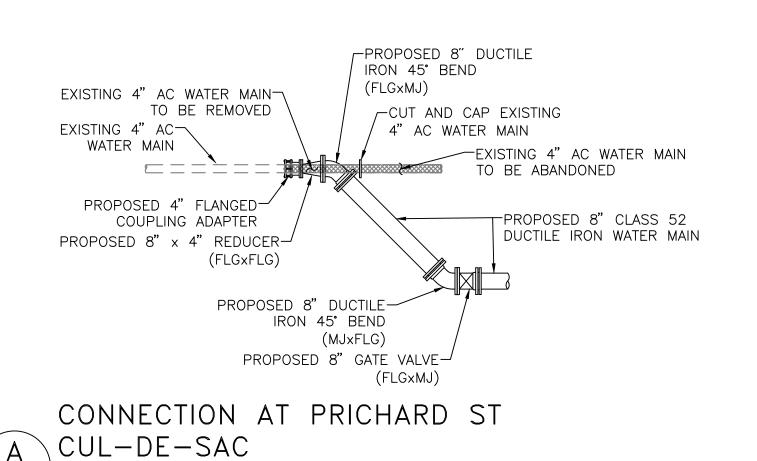
AMERICAN WATER COMPANY 3906 CHURCH ROAD MT. LAUREL, NJ 08054	PRICHARD STREET WATER MAIN REPLACEMENT CITY OF BELLFLOWER		
AMERICAN WATER		STANDARD DETAILS	
<b>drawn by</b> Jra <b>Project eng'r</b> Jls		STANDARD DETAILS	
<b>DATE</b> 2024-07-09			<b>USE DIMENSIONS ONLY</b> <b>SCALE</b> AS SHOWN
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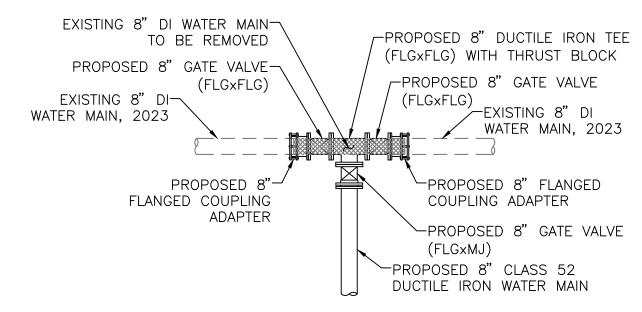


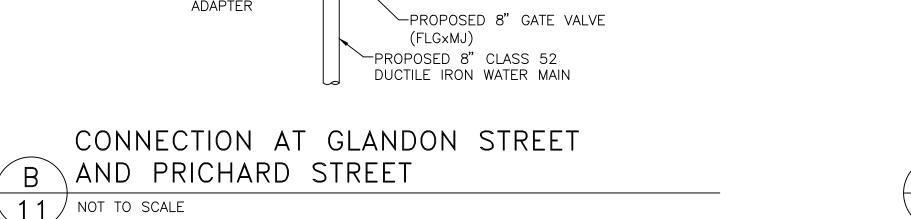


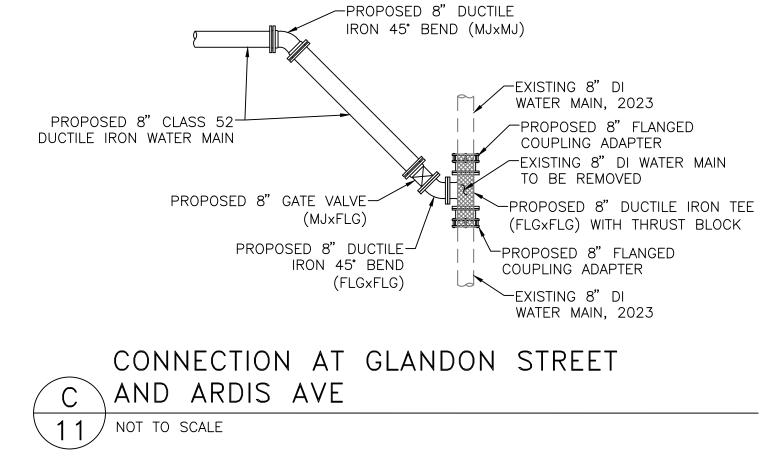












CALIFORNIA
AMERICAN WATER

11 NOT TO SCALE

REVISIONS	REVISIONS





AMERICAN WATER COMPANY	
AMERICAN WATER COMPANY 3906 CHURCH ROAD MT. LAUREL, NJ 08054	
AMERICAN WATER	
DRAWN BY JRA Project eng'r JLS	

PRICHARD STREET WATER MAIN REPLACEMENT CITY OF BELLFLOWER

STANDARD DRAWING AND CONNECTION DETAILS

DRAWN BY JRA Project eng'r Jls	STANDARD	DRAWING AND CONNECTION	ON DETAILS
<b>DATE</b> 2024-07-09			USE DIMENSIONS ONLY SCALE AS SHOWN
PROJECT	USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES	BID SET	11 / 11