

CONSTRUCTION AGREEMENT

THIS CONSTRUCTION AGREEMENT (the "Agreement") is made and entered into as of the _____ day of _____, 2020, by and between Illinois-American Water Company, an Illinois corporation ("IAWC"), and the City of Peoria, Illinois, an Illinois municipal corporation ("Peoria"). Hereinafter, IAWC and Peoria may be referred to individually as a "Party" or together as the "Parties."

RECITALS:

- A. IAWC is engaged in furnishing water utility service within Peoria.
- B. Peoria in conjunction with the Illinois Department of Transportation ("IDOT") is planning the reconstruction of Western Avenue between approximately Adams Street and Howett Street, which reconstruction will require the relocation of IAWC's water main along a portion of Western Avenue at IAWC's cost (hereinafter referred to as the "Work").
- C. IDOT and Peoria are entering into a separate contract to conduct the Work. IDOT and Peoria are willing to perform, through IDOT's contractors, the relocation of IAWC's water main and installation of the facilities as further detailed in Exhibit 1 ("Water Main Project") in return for cost reimbursement by IAWC to Peoria, which will then reimburse IDOT for the cost of the Work, subject to the limitations set forth herein.

NOW, THEREFORE, in consideration of the mutual covenants, conditions, and agreements set forth herein, the parties hereto agree as follows:

Article I Water Service Facilities

1.1 Construction. In accordance with the approved plans and specifications attached hereto as Exhibit 1 and incorporated herein by reference, Peoria through its contract with IDOT and IDOT's contractors, shall effect the construction and installation of approximately 3,656 lineal feet of water main along the designated portion of Western Avenue, together with all valves, fittings, hydrants, and other items indicated in Exhibit 1, hereinafter collectively referred to as the "Facilities." The size, design, type and quality of materials and of the system location and manner of installation of the Facilities shall be as indicated on Exhibit 1 and shall meet the construction standards set forth in Exhibit 1. No material change shall be made in the plans and specifications for the Facilities without the prior written approval of IAWC.

1.2 Transfer of Completed Facilities. During the Work, the Facilities shall remain the property of IDOT until the construction of the Facilities is completed. Once completed, IDOT shall transfer the legal ownership of the Facilities to IAWC.

1.3 Cost Reimbursement. IAWC shall pay to Peoria all costs actually paid by Peoria associated with the construction and installation of the Facilities in accordance with Exhibit 1. An itemized total cost estimate of the Facilities to be constructed pursuant to this Agreement is outlined in blue text in the attached Exhibit 2 and incorporated herein by reference. Peoria shall advise IAWC of any material changes in the cost estimate (either increased or decreased costs). Final cost shall be determined by the unit prices of the successful bidder and quantities actually installed with IAWC's consent ("Final Cost"). Any changes to the planned Work must be approved by IAWC. Peoria shall invoice IAWC periodically as the work progresses. IAWC shall have the right to seek back up documentation for any invoice and challenge the amount of any invoice submitted. IAWC shall pay the Final Cost within ninety (90) days of receipt of an invoice and after any questions by IAWC have been resolved. Any amount not paid within ninety (90) days shall be subject to interest at ten (10) percent per annum. No interest shall accumulate if IAWC is seeking additional information or back up information about an invoice from Peoria.

Article II **Rights-of-Way**

Peoria shall provide to IAWC satisfactory evidence of rights-of-way for all portions of the route along which the water main is installed as may be necessary to provide water service to each parcel or lot on said route and to operate, repair, and maintain the Facilities.

Article III **Performance**

3.1 No Encumbrances. Copies of all releases, showing the Facilities and Work to be to be free of all security interests, liens, and encumbrances of any nature shall be conveyed to IAWC upon transfer of the Facilities in accordance with Section 1.2.

3.2 Inspection. IAWC shall have the right at all times during construction to inspect the progress of the work performed and to determine whether the Work is being performed in accordance with the plans and specifications contained in Exhibit 1. IAWC shall retain the services of an engineering firm for the purpose of inspecting and monitoring the performance of Work and to ensure compliance with the plans and specifications contained in Exhibit 1, or IAWC may utilize its own associate engineers to perform any of such services. If, in IAWC's reasonable opinion, the Work has not been, or is not being, performed in a good and workmanlike manner and in accordance with the plans and specifications contained in Exhibit 1, IAWC shall have the right to require the correction of any defects and compliance with the plans and specifications contained in Exhibit 1.

3.3 Documentation. Peoria shall deliver to IAWC a detailed itemization of all amounts paid in connection with the construction of the Facilities together with satisfactory evidence of full and final payment (or provision for payment satisfactory to IAWC) of all amounts due and payable in connection with the Work.

3.4 Indemnity. Peoria shall protect, indemnify, and hold harmless IAWC from and against any and all loss, damage, claims of damage, liability, judgments, or causes of action (including, but not limited to, court costs and reasonable attorneys' fees), caused or occasioned by or resulting from construction of the Facilities and/or any action undertaken by or on behalf of Peoria, or its agents or employees, during or following the Work and construction of the Facilities. In addition, Peoria shall cause IDOT to include the following in the contract with the general contractor retained to construct and install the Facilities to contain the following provision: "Contractor shall protect, indemnify, and hold harmless IAWC from and against any and all loss, damage, claims of damage, liability, judgments, or causes of action (including, but not limited to, court costs and reasonable attorneys' fees), caused or occasioned by or resulting from Contractor's construction of the Facilities and/or any action undertaken by or on behalf of Peoria, or its agents or employees, during or following such construction."

Article IV **Service Connections**

IAWC shall be responsible for making all service connections from the Facilities to customers along the portions of the route in which the water main is installed. IAWC shall make the service connections in a timely manner, coordinating with the general contractor's schedule.

Article V **Notice**

Any notice required or permitted to be given under this Agreement shall be deemed delivered and be effective on the date physically delivered to the party to whom notice is being provided or two (2) calendar days following the date on which the notice is deposited in the United States Mail, postage prepaid, certified delivery, and addressed to the party to whom notice is being provided, as follows:

IAWC:

Illinois-American Water Company
7500 N. Harker Drive
Peoria, IL 61615
Attn: Charles Barton

City of Peoria:

City of Peoria
3505 N. Dries Lane
Peoria, IL 61604
Attn: Bill Lewis

Each party shall promptly provide written notice to the other party, as provided herein, of any subsequent change of address.

Article VI **Miscellaneous**

This Agreement shall be governed by and construed in accordance with the laws of the State of Illinois. This Agreement, together with the exhibits hereto, sets forth the entire agreement between the parties and supersedes all prior negotiations, understandings, and agreements between them. No change in, addition to, or waiver of any of the provisions of this Agreement shall be binding upon any party unless in writing and signed by the party sought to be bound. This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns, provided, however, that an assignment or other transfer of this Agreement or any rights or obligations hereunder by Peoria shall not be binding upon IAWC or create any rights in the assignee until such assignment or other transfer is approved and accepted in writing by IAWC.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement by their authorized individuals to be effective as of the day, month, and year first above written.

ILLINOIS-AMERICAN WATER COMPANY

By: CHARLES BARTON

Engineering Manager – Project Delivery

CITY OF PEORIA, ILLINOIS

By: JIM ARDIS
Mayor

**Construction Agreement between the
City of Peoria
and
Illinois-American Water Company**

**Exhibit 1
Water Main Plans**

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

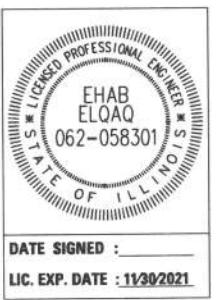
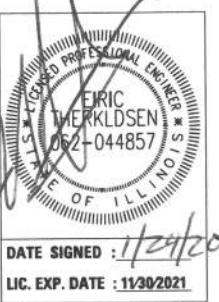
PROPOSED

HIGHWAY PLANS

**FAU ROUTE 6594/FAP 671 (WESTERN A
SECTION 16-00368-01-PV
FEDERAL PROJECT XMWJ(817)**

**CITY OF PEORIA
PEORIA COUNTY**

JOB C-94-048-19



The map displays the 102 counties of Illinois. The counties are labeled as follows:

- Northwest:** Jo Daviess, Stephenson, Winnebago, Boone, Mc Henry, Lake.
- North-Central:** Carroll, Ogle, De Kalb, Kane, Du Page, Cook.
- Central:** Whiteside, Lee, Kendall, Will, Grundy, Kankakee.
- South-Central:** Rock Island, Mercer, Henderson, Warren, Knox, Henry, Bureau, Putnam, Marshall, La Salle, Livingston, Ford, Iroquois.
- East-Central:** Peoria, Stark, Tazewell, Woodford, Mc Leah, Champaign, Vermilion.
- South-Central:** Fulton, Mason, Logan, De Witt, Piatt, Macon, Houltrite, Shelby, Douglas, Edgar, Coles, Cumberland, Clark.
- South-Central:** Adams, Brown, Cass, Menard, Sangamon, Christian, Christian, Piatt, Macon, Houltrite, Shelby, Douglas, Edgar, Coles, Cumberland, Clark.
- South-Central:** Pike, Scott, Morgan, Macoupin, Montgomery, Fayette, Effingham, Jasper, Crawford.
- South-Central:** Calumet, Jersey, Greene, Madison, Bond, Clinton, Marion, Clay, Richland, Lawrence.
- South-Central:** St. Clair, Washington, Perry, Franklin, Jefferson, Wayne, Edwards, Vandalia.
- South-Central:** Monroe, Randolph, Jackson, Williamson, Hamilton, White, Saline, Gallatin.
- South-Central:** Union, Johnson, Pottawattamie, Hardin.
- South-Central:** Pulaski, Massac.

A thick black rectangle highlights a specific section in Peoria County.

2017 = 7300, ADT (2039) = 8200, SU=3.9%, MU=2.7%
WAY CLASS: 2
SECTIONAL CLASSIFICATION: MINOR ARTERIAL
GN SPEED: 30 MPH
ED SPEED LIMIT: 30 MPH
GN POLICY: BLR MANUAL - URBAN

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

Approved _____

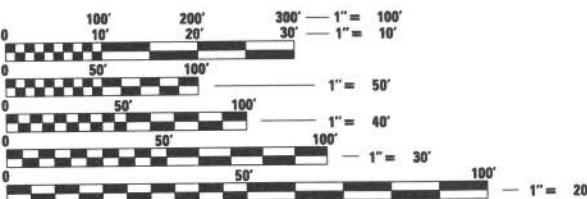
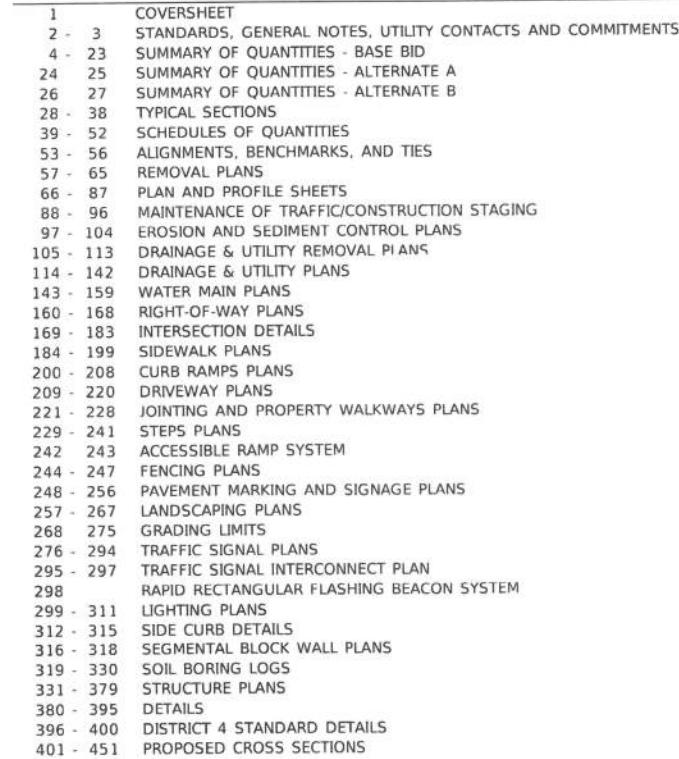
CITY OF PEORIA, CITY ENGINEER

used

DISTRICT 4 ENGINEER OF LOCAL ROADS & STREETS

ing for Bid
on Limited
Review

REGION 3 ENGINEER

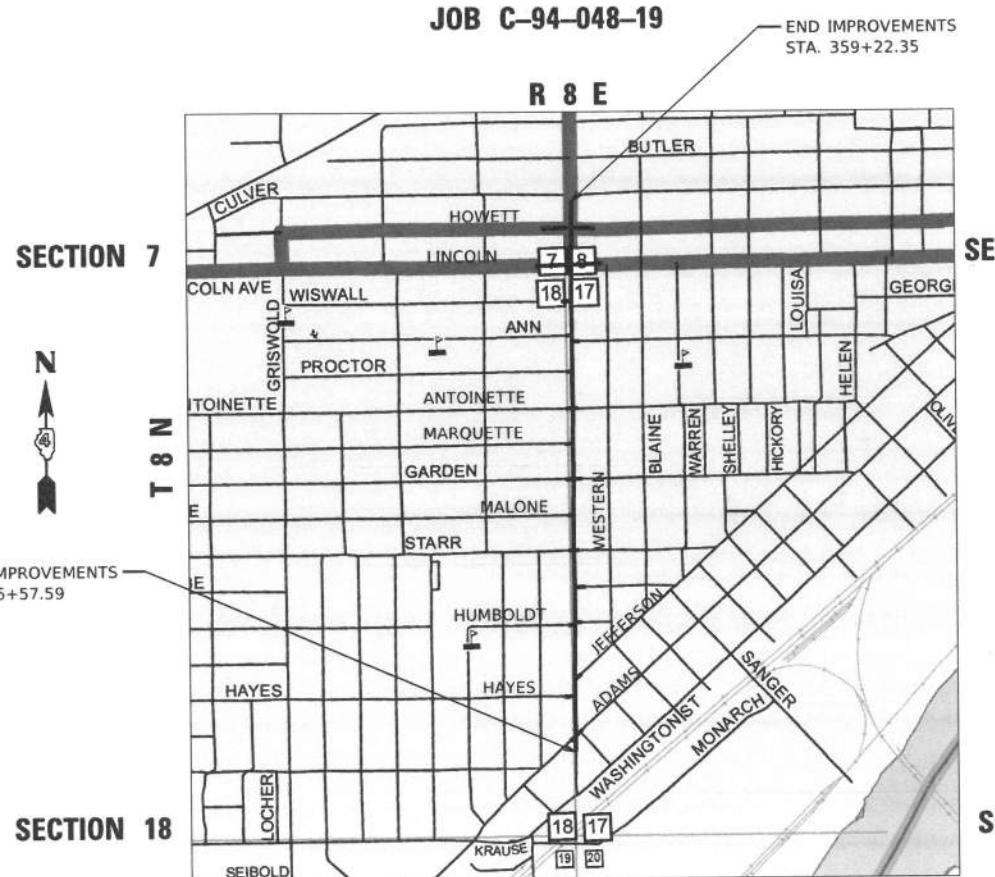


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

**J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811**

CITY OF PEORIA PROJECT ENGINEER: JANE GERDES, (309)494-8800
TERRA PROJECT MANAGER: ERIC THERKILDSEN, (309)999-0123

CONTRACT NO. 89766 CATALOG NO. 035741-01D



GROSS LENGTH = 5264.76 FT. = 0.997 MILES



TERRA
ENGINEERING LTD.

401 Main Street, Suite 1560
Peoria, IL 61602
(309)999-0123

GENERAL NOTES

CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO VERIFY, LOCATE AND PROTECT ALL UNDERGROUND FACILITIES/UTILITIES DURING CONSTRUCTION OPERATIONS.

THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN MARKINGS AND ASSOCIATED HAZARD WARNING LIGHTS, DELINEATOR FENCE, AND OTHER ASSOCIATED FACILITIES AS REQUIRED FOR OPEN TRENCHES, EXCAVATIONS, TEMPORARY STOCK PILES, AND PARKED CONSTRUCTION EQUIPMENT THAT MAY POSE A POTENTIAL HAZARD AS PART OF THE DAILY OPERATIONS AT THIS SITE. CONTRACTOR IS SOLELY RESPONSIBLE FOR SITE SAFETY.

CONTRACTOR SHALL CONTINUOUSLY COMPARE ALL LINES, GRADES, AND OTHER INFORMATION APPEARING ON THE PLANS WITH THE ACTUAL LINES, GRADES, AND SITE CONDITIONS. ANY DISCREPANCIES THAT MAY AFFECT THE PERFORMANCE OF THE WORK IN ACCORDANCE WITH THE INTENT OF THE CONTRACT DOCUMENTS SHALL BE IMMEDIATELY REPORTED TO THE OWNER AND ENGINEER IN WRITING FOR DISPOSITION BEFORE CONTRACTOR PROCEEDS WITH THE WORK. CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR THE WORK COMPLETED PRIOR TO THE REPORT TO THE OWNER AND ENGINEER, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTION OF THE WORK PRIOR TO THE REPORT TO THE OWNER AND ENGINEER.

CONTRACTOR SHALL REMOVE EXISTING SURFACES, EARTHEN MATERIALS, AND STRUCTURES AS REQUIRED. ALL WASTE MATERIAL SHALL BE PROPERLY DISPOSED OFF-SITE UNLESS OTHERWISE NOTED ON PLANS IN ACCORDANCE WITH LOCAL STATE AND FEDERAL REQUIREMENTS.

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND ALL ASSOCIATED FEES PRIOR TO CONSTRUCTION, UNLESS NOTED. ILLINOIS AMERICAN WATER COMPANY HAS OBTAINED THE IEPA CONSTRUCTION PERMIT.

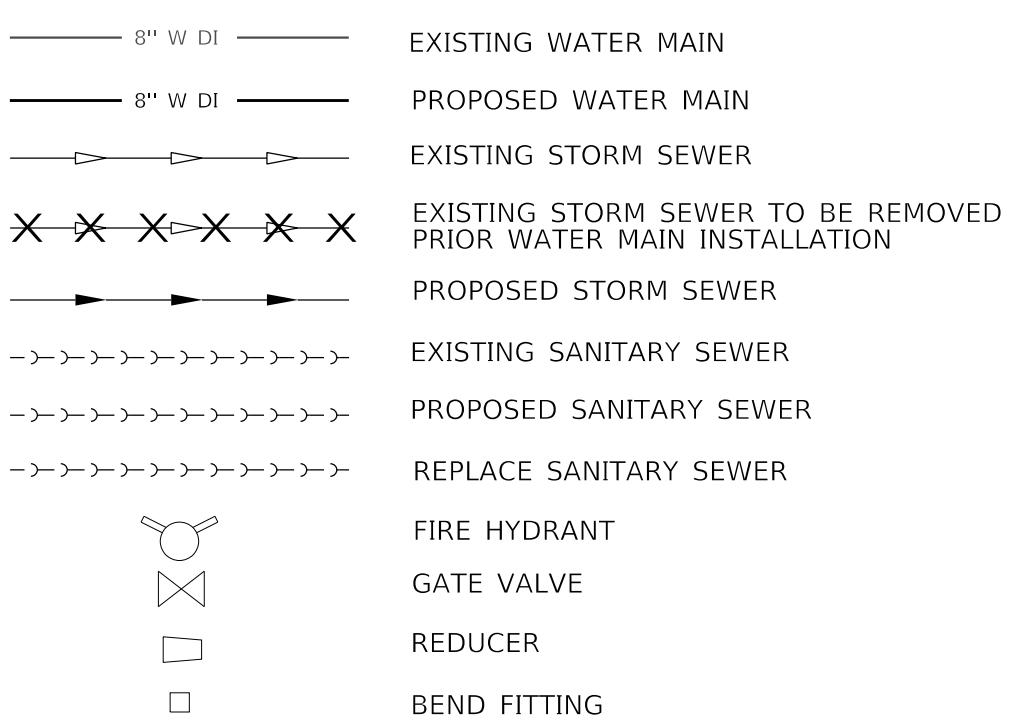
CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND SUBMITTING AS-BUILT DRAWINGS ON THE STANDARD DAILY CONSTRUCTION SHEETS NO LESS THAN EVERY OTHER DAY TO IAWC AND ENGINEER BEFORE RECEIPT OF THE CERTIFICATE OF SUBSTANTIAL COMPLETION.

CONSTRUCTION STAKING, LAYOUT, AND GRADING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR USING THE BASIC TOPOGRAPHIC SURVEY CONTROLS PROVIDED IN THE PLANS. CONTRACTOR SHALL VERIFY SURVEY CONTROLS PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES IN THE SURVEY CONTROLS SHALL BE REPORTED TO THE OWNER AND ENGINEER PRIOR TO CONSTRUCTION. ANY ADDITIONAL SURVEY CONTROLS REQUIRED FOR CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

ILLINOIS AMERICAN WATER COMPANY CONTACTS

NAME	PHONE	TITLE
CHARLES (TRIP) BARTON	309-566-4148	ENGINEERING MANAGER - PROJECT DELIVERY
JOSH HARKEY	309-566-4146	SENIOR PROJECT ENGINEER
*ALBERT HUFF	309-566-4114	ENGINEERING TECHNICIAN
DENISE PORCH	309-258-7270	LEAD SERVICE COORDINATOR
BRANDON HOADLEY	309-401-9885	CONSTRUCTION COORDINATOR (ILAWC CREWS)

* DENOTES PRIMARY PROJECT CONTACT

LEGENDILLINOIS AMERICAN WATER NOTES

ALL WATER MAIN (PRIVATE OR PUBLIC) INSTALLATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION; THE STANDARDS AND SPECIFICATIONS OF ILLINOIS AMERICAN WATER COMPANY; AND THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY REGULATIONS 35 IAC, SUBTITLE F. IN CASE OF CONFLICT, THE MORE STRINGENT SPECIFICATION SHALL APPLY.

MAINTAIN 10 FEET HORIZONTAL CLEARANCE BETWEEN WATER MAIN AND SANITARY SEWER, STORM SEWER, AND/OR SANITARY SERVICE. AT LOCATIONS WHERE THIS IS NOT POSSIBLE, THE BOTTOM OF THE WATER MAIN SHALL BE AT LEAST 18 INCHES ABOVE THE TOP OF STORM OR SANITARY SEWERS.

WHERE NEW WATER MAIN IS TO BE INSTALLED UNDER EXISTING STORM OR SANITARY SEWERS, OR WITHIN 18" ABOVE AN EXISTING STORM OR SANITARY SEWER, THE NEW WATER MAIN SHALL BE ENCASED IN WATER MAIN QUALITY CONDUIT USING CASING SPACERS FOR A DISTANCE OF TEN (10) FEET ON EACH SIDE OF SAID STORM OR SANITARY SEWER USING OUTSIDE PIPE DIMENSIONS. THE ENDS OF THE ENCASEMENT SHALL BE SEALED WITH CEMENT MORTAR OR APPROVED EQUAL. STEEL CASING PIPE SHALL MEET OR EXCEED ASTM A-139, GRADE B, MINIMUM WALL THICKNESS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS. OR, WHERE NEW WATER MAIN IS TO BE INSTALLED UNDER PROPOSED STORM OR SANITARY SEWER, OR WITHIN 18" ABOVE AN EXISTING STORM OR SANITARY SEWER, THE SEWER SHALL BE CONSTRUCTED WITH WATER MAIN QUALITY PIPE FROM STRUCTURE TO STRUCTURE.

CONTRACTOR SHALL COORDINATE WITH ILLINOIS AMERICAN WATER COMPANY FOR VALVE OPERATIONS, TAPS, CONNECTIONS, TEMPORARY SHUTDOWNS, OR ANY OTHER ACTIVITY THAT RELATES TO IN SERVICE MAINS OR SERVICES. CONTRACTOR SHALL COORDINATE THE REPLACEMENT AND CONNECTION OF ALL WATER SERVICES (RESIDENTIAL, COMMERCIAL, FIRE, AND OTHERWISE) WITH ILLINOIS AMERICAN WATER COMPANY. CONTRACTOR SHALL PROVIDE AMPLE TIME AND ACCESS TO ILLINOIS AMERICAN WATER COMPANY FOR THE COMPLETION OF WORK RELATED TO SAID WATER SERVICES.

ILLINOIS AMERICAN WATER COMPANY WILL PROVIDE ALL PIPING MATERIALS AS SPECIFIED IN THE CONTRACT DOCUMENTS SECTION 01000. WATER MAIN SHALL BE DUCTILE IRON PRESSURE CLASS 350, THICKNESS CLASS 54, CEMENT LINED W/ 8-MIL VALWWRAP AND MEET THE REQUIREMENTS OF ANSI/AWWA A21.51/C151. WATER MAIN JOINTS SHALL BE SLIP JOINT AND SHALL MEET THE REQUIREMENTS OF ANSI/AWWA A21.11/C111, UNLESS OTHERWISE NOTED.

ILLINOIS AMERICAN WATER COMPANY WILL PROVIDE ALL WATER MAIN PIPE AND FIRE HYDRANTS. ALL OTHER MATERIALS SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS.

DEPTH OF COVER OVER WATER MAIN SHALL BE AS INDICATED ON THE DRAWINGS, BUT NO LESS THAN 42 INCHES OF COVER TO THE TOP OF THE PIPE. 42 INCH DEPTH OF COVER SHALL BE MEASURED FROM THE PROPOSED FINAL SURFACE.

ILLINOIS AMERICAN WATER COMPANY WILL PROVIDE ALL HYDRANTS AS SPECIFIED IN THE CONTRACT DOCUMENTS SECTION 01000. FIRE HYDRANTS SHALL BE 3-WAY, 5 1/4" VALVE OPENING, 4" INLET AND CONFORM TO ILLINOIS AMERICAN AND LOCAL UNIT OF GOVERNMENT STANDARDS. WATER LINE FROM MAIN TO FIRE HYDRANTS SHALL BE PRESSURE CLASS 350, 6" D.I.P.

CONTRACTOR SHALL PROVIDE PERMANENT AND TEMPORARY RESTRAINTS AND THRUST BLOCKS AS NEEDED FOR PRESSURE TESTING OF WATERMAINS AND LATERALS. WRAP FITTINGS WITH VISQUEEN PRIOR TO THRUST BLOCKING WITH POURED-IN-PLACE CONCRETE. SOLID MASONRY UNITS MAY BE USED FOR THRUST BLOCKING PURPOSES. CONCRETE THRUST BLOCKS SHALL BE PROVIDED AT ALL WATER MAIN TEES, CAPS, VALVES, HYDRANTS AND BENDS 11-1/4 DEGREES OR GREATER. CONTRACTOR SHALL FILL THE PIPES SLOWLY SO AS NOT TO GENERATE MOMENTUM CHANGES AT FITTINGS. AIR IS TO BE EXPELLED UPON FILLING AND/ALL AIR IS TO BE EXPelled PRIOR TO PRESSURE TESTING.

DISINFECTION, SAMPLING, AND TESTING OF WATER MAIN SHALL PRECEDE INSTALLATION OF SERVICES, AND SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. SAMPLING SHALL BE COORDINATED WITH THE ILLINOIS AMERICAN WATER COMPANY DISTRICT LABORATORY.

PRIOR TO PLACING THE WATER MAIN AND EQUIPMENT INTO SERVICE, SATISFACTORY LABORATORY BACTERIOLOGICAL ANALYSIS MUST BE OBTAINED FROM THE LOCATIONS IDENTIFIED BY THE ENGINEER ON AT LEAST TWO CONSECUTIVE DAYS FROM SAMPLES COLLECTED AT LEAST 24 HOURS APART IN ACCORDANCE WITH "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION.

DISINFECTION REQUIREMENTS:
CHEMICAL USED: HTH CALCIUM HYPOCHLORITE
INITIAL DISINFECTANT CONCENTRATION: 50 PPM - FREE CHLORINE
FINAL DISINFECTANT CONCENTRATION: 50 PPM - FREE CHLORINE
RETENTION TIME: 24 HOURS

CONTRACTOR SHALL COORDINATE ANY INTERRUPTION IN SERVICE WITH THE OWNER. CONTACT ALBERT HUFF WITH ILLINOIS AMERICAN WATER AT 309-566-4114. A MINIMUM OF ONE WEEK NOTICE IS REQUIRED.

WHERE THE WATER MAIN TRENCH CROSSES OR IS WITHIN TWO (2) FEET OF THE EDGE OF PAVEMENT, CURB, GUTTER, CURB AND GUTTER, OR SIDEWALK, THE TRENCH SHALL BE BACKFILLED WITH CONTROLLED LOW STRENGTH MATERIAL (FLOWABLE FILL). FLOWABLE FILL BACKFILL WILL BE PAID FOR AS TRENCH BACKFILL (SPECIAL).

INDEX OF SHEETS

SHEET	DESCRIPTION
1	NOTES
2	SCHEDULES
3 - 6	WATER MAIN PLAN - WESTERN AVE
7	WATER MAIN PLAN - ADAMS STREET
8	WATER MAIN PLAN - HAYES STREET
8	WATER MAIN PLAN - JEFFERSON AVENUE
9	WATER MAIN PLAN - STARR STREET
9	WATER MAIN PLAN - MAONE STREET
10	WATER MAIN PLAN - GARDEN STREET
10	WATER MAIN PLAN - MARQUETTE STREET
11	WATER MAIN PLAN - ANTOINETTE STREET
11	WATER MAIN PLAN - PROCTOR STREET
12	WATER MAIN PLAN - ANN STREET
13	WATER MAIN PLAN - WISWALL STREET
14 - 17	WATER MAIN DETAILS

WORK OPERATION NOTES

THE CONTRACTOR SHALL COORDINATE AND NOTIFY THE LOCAL UNIT OF GOVERNMENT & ALL UTILITY COMPANIES A MINIMUM OF 72 HOURS IN ADVANCE AS TO WHEN WORK MAY BEGIN. ILLINOIS AMERICAN WATER COMPANY SHALL BE NOTIFIED NO LESS THAN 72 HOURS IN ADVANCE FOR ANY MAIN SHUTDOWNS, TAPS, VALVE WORK, OR HYDRANT FLUSHING. THE CONTRACTOR WILL NOT BE ALLOWED TO EXERCISE OR REMOVE ANY EXISTING VALVES, WATER SERVICES OR HYDRANTS. ILLINOIS AMERICAN WATER COMPANY CONTACT WILL BE ALBERT HUFF AT 309-566-4114.

WORK SEQUENCE

THE FOLLOWING WORK SEQUENCE SHALL BE ADHERED TO IN ORDER TO COMPLY WITH THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (IEPA) PERMIT REQUIREMENTS.

1. WHERE INDICATED, EXISTING SEWERS SHALL BE REMOVED AND REPLACED WITH A PRESSURE-TESTED WATER MAIN QUALITY PIPE AS DESCRIBED BELOW.
2. EXISTING STORM SEWER SHALL BE REMOVED WHERE IN CONFLICT WITH PROPOSED WATER MAIN IMPROVEMENTS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY DRAINAGE MEASURES DURING CONSTRUCTION.
4. INSTALL PROPOSED WATER MAIN WITH ALL ENCASements, VALVES, FIRE HYDRANTS, AND OTHER APPURTENANCES. PROPOSED WATER MAIN SHALL BE INSTALLED IN ACCORDANCE WITH THE ASSOCIATED IEPA CONSTRUCTION PERMIT AND ILLINOIS AMERICAN WATER COMPANY (ILAWC) STANDARDS.
5. COMPLETE WATER MAIN PRESSURE TESTS AND SAMPLING, AND OBTAIN PASSING BACTERIOLOGICAL TESTS.
6. COORDINATE PROPOSED WATER SERVICE TRANSFERS WITH ILAWC CREWS.
7. COORDINATE THE CUT, CAP, AND ABANDONMENT OF EXISTING WATER MAINS IN COORDINATION WITH ILAWC.
8. INSTALL PROPOSED STORM SEWER IMPROVEMENTS. PROPOSED STORM SEWER IMPROVEMENTS MAY COMMENCE CONCURRENTLY WITH STEP 3 (ABOVE) IF PROPOSED WATER MAIN IS ADEQUATELY PROTECTED IN ACCORDANCE WITH IEPA CONSTRUCTION PERMIT AND IF COORDINATED WITH ILAWC.

EXISTING SEWER REPLACEMENT

WHERE INDICATED, EXISTING SEWERS SHALL BE REMOVED AND REPLACED WITH A WATER MAIN QUALITY POLYVINYL CHLORIDE (PVC) PIPE WITH A WALL THICKNESS OF DR18. PVC PIPE SHALL COMPLY WITH THE FOLLOWING AMERICAN WATER WORKS ASSOCIATION (AWWA) STANDARDS FOR THE RELEVANT NOMINAL PIPE SIZE.

1. AWWA C900: NOMINAL PIPE SIZES 4-INCH THROUGH 12-INCH
2. AWWA C905: NOMINAL PIPE SIZES 14-INCH THROUGH 48-INCH

REPLACED PIPE SHALL HAVE THE SAME INSIDE DIAMETER AS THE EXISTING SEWER THAT IS REMOVED. IF PIPE OF THE SAME INSIDE DIAMETER CANNOT BE OBTAINED, THE REPLACEMENT PIPE SHALL BE ONE (1) NOMINAL SIZE LARGER. ALL FITTINGS AND MATERIAL ASSOCIATED WITH THE CONNECTION BETWEEN EXISTING AND REPLACED SEWERS SHALL BE INCIDENTAL. REPLACED SEWERS SHALL MAINTAIN THE EXISTING SEWER FLOW LINE ELEVATIONS AND GRADES.

DURING INSTALLATION, THE REPLACED SEWER SHALL BE PRESSURE TESTED TO THE MAXIMUM EXPECTED SURCHARGE HEAD OF 20 PSI. SEWER PRESSURE TEST SHALL BE RECORDED AND SUBMITTED TO THE ENGINEER PRIOR TO THE ASSOCIATED WATER MAIN INSTALLATION.

EXISTING WATER MAIN TO BE ABANDONED

EXISTING WATER MAIN THAT IS REMOVED FROM SERVICE SHALL BE ABANDONED IN PLACE AND BACKFILLED WITH A CONTROLLED LOW STRENGTH MATERIAL (CLSM). OPEN ENDS OF THE ABANDONED WATER MAIN PIPE SHALL BE SEALED AFTER BACKFILLING. EXISTING WATER MAIN PIPE THAT IS IN CONFLICT WITH PROPOSED IMPROVEMENTS (STORM SEWER OR OTHERWISE) MAY CUT OUT AND REMOVED. ALL WORK AND MATERIALS ASSOCIATED WITH REMOVING EXISTING WATER MAIN PIPE SHALL BE CONSIDERED INCIDENTAL TO ABANDONING EXISTING WATER MAIN.

FIRE HYDRANTS

EXISTING FIRE HYDRANTS DESIGNATED FOR REMOVAL WILL BE REMOVED BY ILLINOIS AMERICAN WATER COMPANY (ILAWC). CONTRACTOR SHALL NOTIFY ILAWC A MINIMUM OF ONE (1) WEEK PRIOR TO THE EXISTING HYDRANT NEEDING TO BE REMOVED. PROPOSED FIRE HYDRANTS SHALL BE IN SERVICE BEFORE EXISTING FIRE HYDRANTS ARE REMOVED. CONTRACTOR SHALL BAG EXISTING AND PROPOSED FIRE HYDRANTS THAT ARE NOT IN SERVICE. IF PROPOSED FIRE HYDRANT LOCATIONS ARE TO DEVIATE FROM PLANS, CONTRACTOR SHALL FIRST CONTACT THE PEORIA FIRE DEPARTMENT. REVISED PROPOSED FIRE HYDRANT LOCATION SHALL BE APPROVED BY THE PEORIA FIRE DEPARTMENT AND THE ENGINEER.

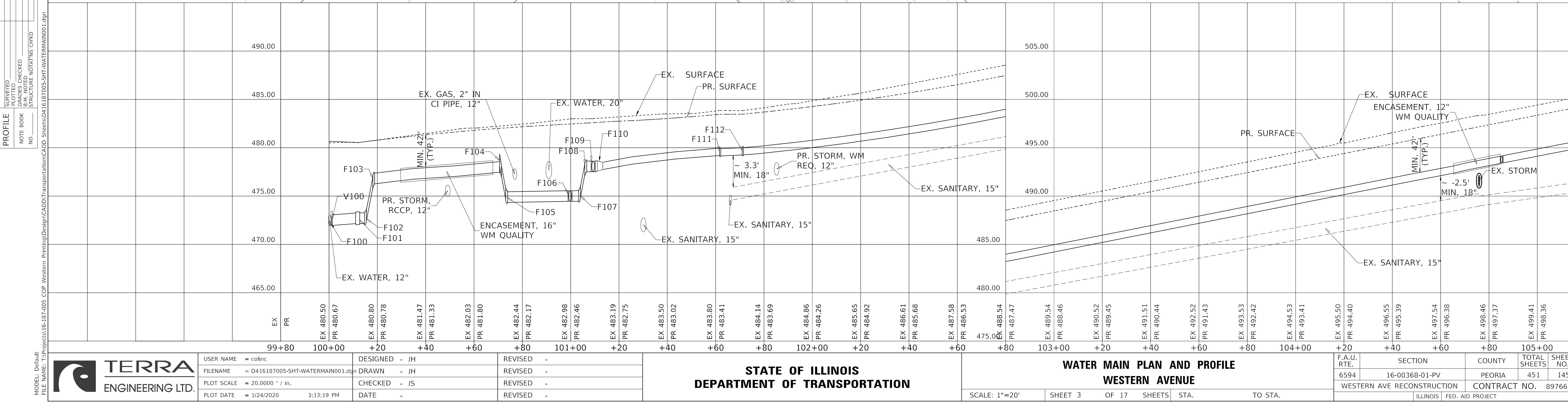
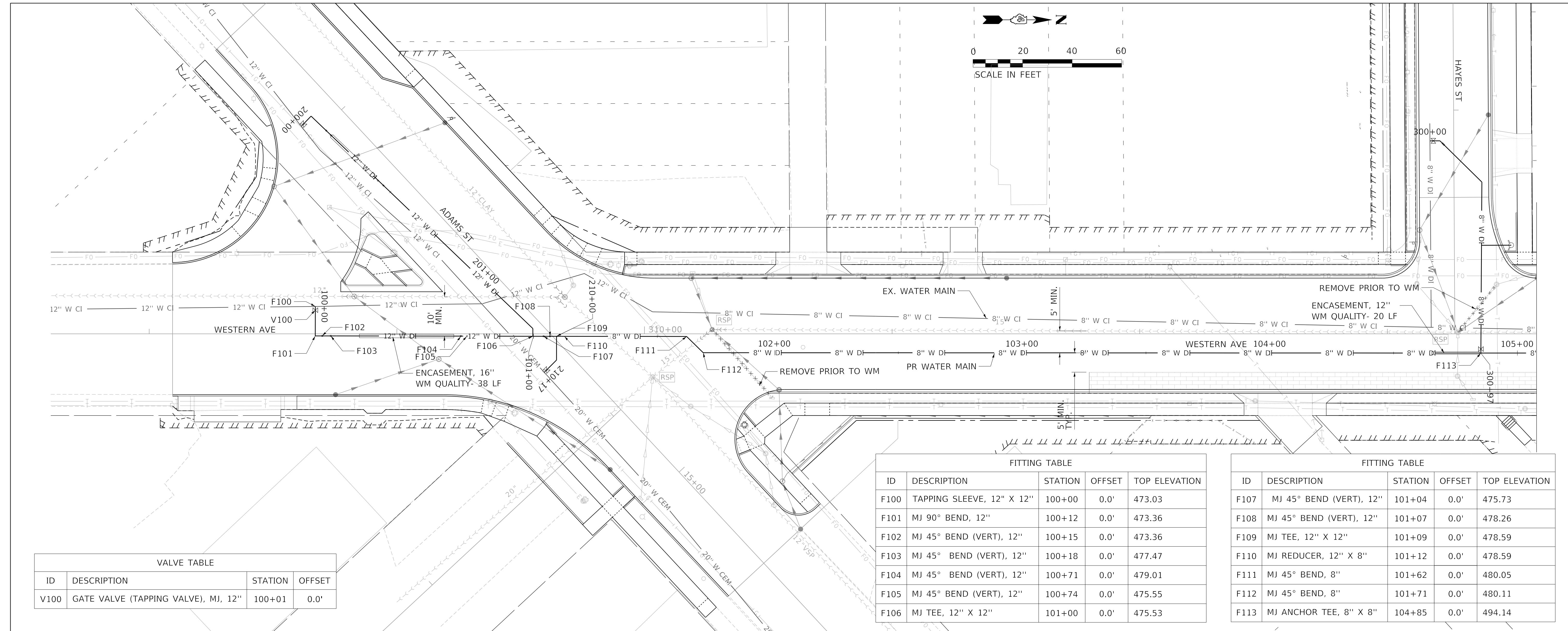
NAME	PHONE	TITLE
CAPTAIN JOSH HARRIS	309-494-8726	FIRE INSPECTOR, PEORIA FIRE DEPARTMENT

WATER MAIN SCHEDULE OF QUANTITIES																				
PAY ITEM NUMBER	PAY ITEM DESCRIPTION	WESTERN				ADAMS	HAYES	JEFFERSON	STARR	MALONE	GARDEN	MARQUETTE	ANTOINETTE	PROCTOR	ANN	WISWALL	TOTAL QUANTITY	UNITS		
		SHEET 3	SHEET 4	SHEET 5	SHEET 6	SHEET 7	SHEET 8	SHEET 9	SHEET 10	SHEET 11	SHEET 12	SHEET 13								
56100020	MJ TEE, 8" X 8"		1		2												3	EA		
56100055	MJ TEE, 12" X 8"															1	1	EA		
56100065	MJ TEE, 12" X 12"	2															2	EA		
56101148	MJ REDUCER 8" X 4"							1									1	EA		
56101150	MJ REDUCER 8" X 6"							1		2		1		1		1	6	EA		
56101160	MJ REDUCER 12" X 8"	1															1	EA		
56102900	WATER MAIN, DUCTILE IRON, 4"					18	50	21	12	4	10	17	20	26	27	31	17	253	LF	
56103000	WATER MAIN, DUCTILE IRON, 6"					387	600	600	454	97	104	134	71	64	112	63	62	90	2838	LF
56103100	WATER MAIN, DUCTILE IRON, 8"					113		150						73		142	340	818	LF	
56103300	WATER MAIN, DUCTILE IRON, 12"					1	2	1	1		1		1	1	1	1	1	11	EA	
56104900	GATE VALVE, MJ, 6"					1	2	1	1					1	1	1	1	6	EA	
56105000	GATE VALVE, MJ, 8"						1	2	1					1		1		1	EA	
56108710	TAPPING SLEEVE, 4" X 4" AND VALVE, 4"									1								1	EA	
56108800	TAPPING SLEEVE, 6" X 6" AND VALVE, 6"									1		2	1	1		1		7	EA	
56108900	TAPPING SLEEVE, 8" X 8" AND VALVE, 8"								1		1				1		1	4	EA	
56108900	TAPPING SLEEVE, 8" X 12" AND VALVE, 8"													1		1		2	EA	
56109100	TAPPING SLEEVE, 12" X 12" AND VALVE, 12"	1						1							2		2	8	EA	
56109100	TAPPING SLEEVE, 12" X 20" AND VALVE, 12"							1									1	EA		
56109420	MJ 45° BEND, 8"	2	10	6	2			4	1	8				4		2	2	6	47	EA
56109424	MJ 45° BEND, 12"	6					8								2		4	12	32	EA
56109430	MJ 90° BEND, 4"									1								1	EA	
56109432	MJ 90° BEND, 6"										1			1	1			4	EA	
56109434	MJ 90° BEND, 8"										1		1		1	1	1	6	EA	
56109438	MJ 90° BEND, 12"	1					1								2		2	8	EA	
56400600	FIRE HYDRANT INSTALLATION		1	2	1			1			1	1	1	1	1	1	1	12	EA	
X5610651	ABANDON EX WM, FILL WITH CLSM	471	600	600	450	138	75	123	130	64	67	143	61	195	401	3518		LF		
TBD	ENCASEMENT, WM QUALITY, 12"	20	22	27	38				45	25		31	20		24	19	271		LF	
TBD	ENCASEMENT, WM QUALITY, 16"	38			24										23		85		LF	
TBD	MJ ANCHOR TEE, 8" X 6"		1	2	1		1			1		1			1		9		EA	
TBD	MJ ANCHOR TEE, 8" X 8"	1			1												2		EA	
TBD	MJ ANCHOR TEE, 12" X 6"													1		1		2	EA	
TBD	MJ ANCHOR TEE, 12" X 8"												1		1		2		EA	
TBD	TRENCH BACKFILL (SPECIAL)	157	188	197	145	52	33	33	43	25	5	26	65	27	77	150	1223	CY		
	FIRE HYDRANT REMOVAL (COMPLETED BY ILAWC)		1	2	1		1			1	1	1	1	1	1	1	12		EA	
PAY ITEM NUMBER	PAY ITEM DESCRIPTION	WESTERN				ADAMS	HAYES	JEFFERSON	STARR	MALONE	GARDEN	MARQUETTE	ANTOINETTE	PROCTOR	ANN	WISWALL	TOTAL QUANTITY	UNITS		
		SHEET 3	SHEET 4	SHEET 5	SHEET 6	SHEET 7	SHEET 8	SHEET 9	SHEET 10	SHEET 11	SHEET 12	SHEET 13								

CONTROL POINTS TABLE				
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WESTERN	F111	1458233.7369	2447319.1721	
WESTERN	F112	1458240.3359	2447325.9102	
WESTERN	F116	1458603.9298	2447330.3867	
WESTERN	F117	1458619.6836	2447315.0068	
WESTERN	F125	1459015.6482	2447319.3079	
WESTERN	F126	1459182.5854	2447321.1222	
WESTERN	F127	1459196.4288	2447335.2593	
WESTERN	F130	1459524.3825	2447339.2069	
WESTERN	F131	1459539.6820	2447324.2756	
WESTERN	F132	1459571.4462	2447324.6626	
WESTERN	F133	1459586.4015	2447339.9554	
WESTERN	F136	1459876.2264	2447343.4388	
WESTERN	F139	1460197.9936	2447344.9505	
ADAMS	F142	1458079.3331	2447232.2982	
ADAMS	F151	1458176.2441	2447332.8160	
HAYES	F153	1458534.8073	2447243.8211	
HAYES	F157	1458555.5946	2447260.7700	
JEFFERSON	F159	1458794.6834	2447390.8214	
MALONE	F175	1460209.4918	2447286.2552	
GARDEN	F178	1460506.8001	2447351.5532	
MARQUETTE	F186	1460875.0406	2447353.5043	
ANTOINETTE	F188	1461242.5244	2447291.6566	
ANTOINETTE	F189	1461247.8800	2447356.5965	
ANTOINETTE	F197	1461193.6656	2447356.3100	
PROCTOR	F203	1461547.4597	2447358.1976	
ANN	F206	1461757.5855	2447360.2402	
ANN	F215	1461891.0406	2447361.3615	
ANN	F218	1461877.6130	2447299.1290	
WISWALL	F220	1462027.3427	2447362.3509	
WISWALL	F229	1462231.4641	2447358.5434	
WISWALL	F230	1462241.3911	2447368.8239	

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PIOTTED GRADES CHECKED
NOTE BOOK NO. DRAWN CHECKED
CADD FILE NAME

PROFILE SURVEYED BY DATE
PIOTTED GRADES CHECKED
NOTE BOOK NO. DRAWN CHECKED
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PLAN SURVEYED _____ BY _____ DATE _____
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 CAD FILE NAME _____

PROFILE SURVEYED _____ BY _____ DATE _____
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 REVISED -
 CHECKED - JS
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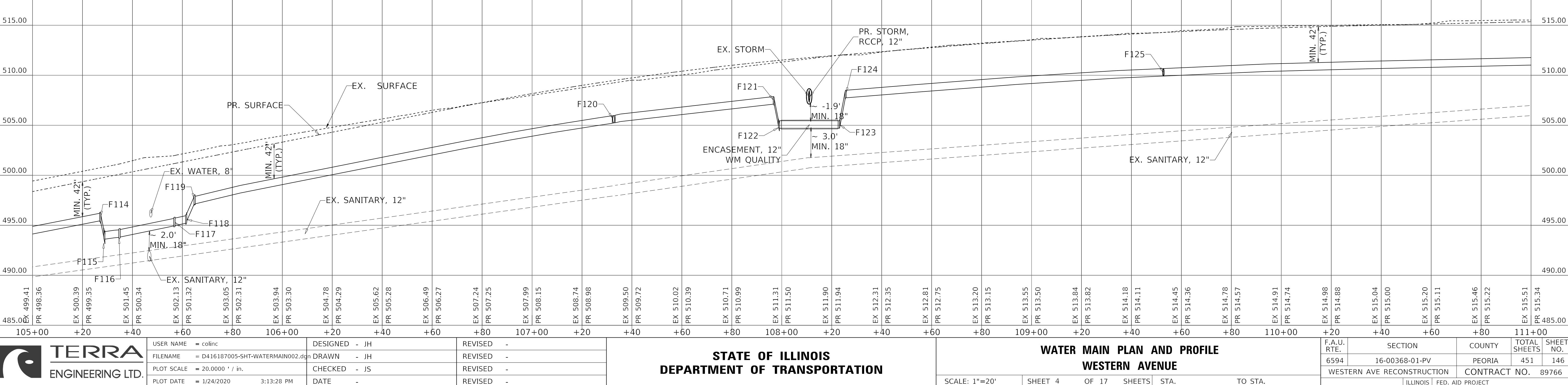
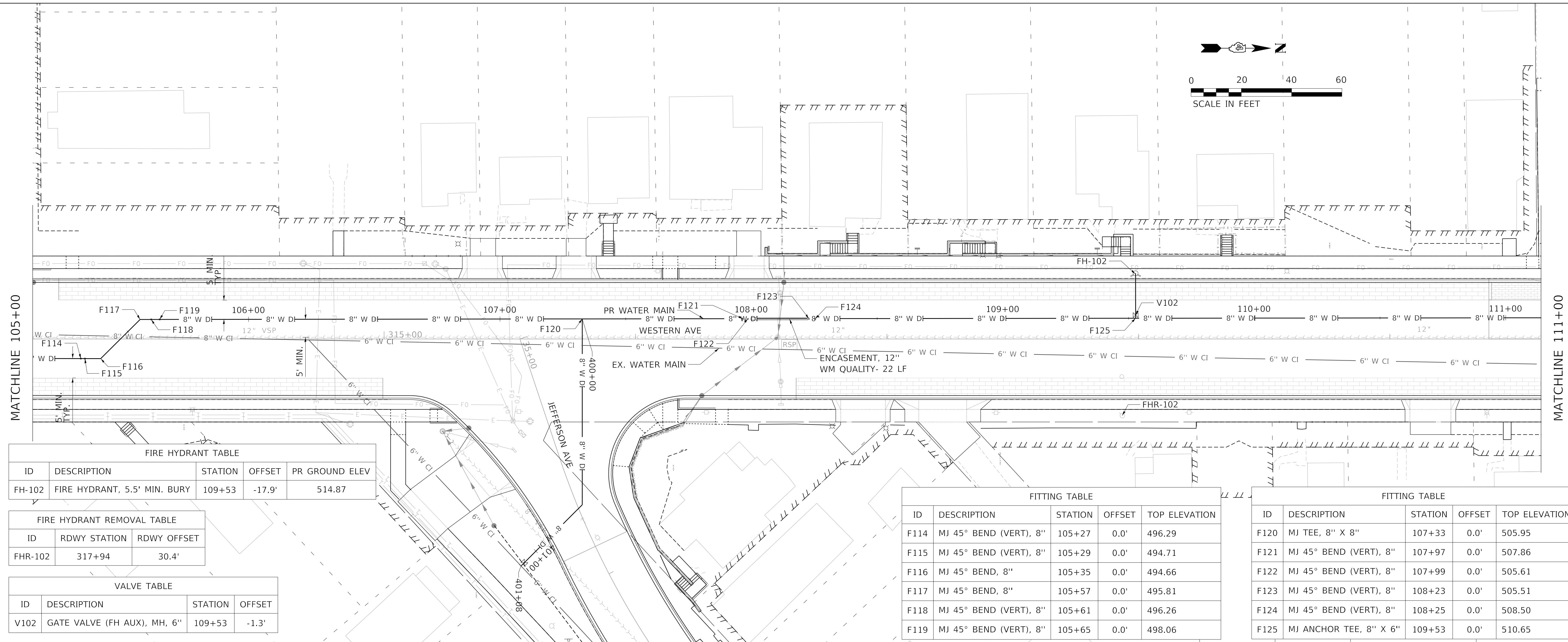
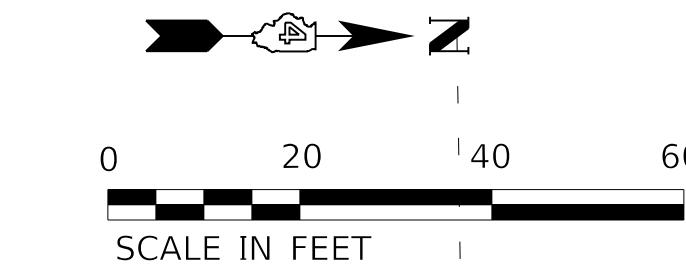
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WATER MAIN PLAN AND PROFILE
 WESTERN AVENUE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
ILLINOIS FED. AID PROJECT				

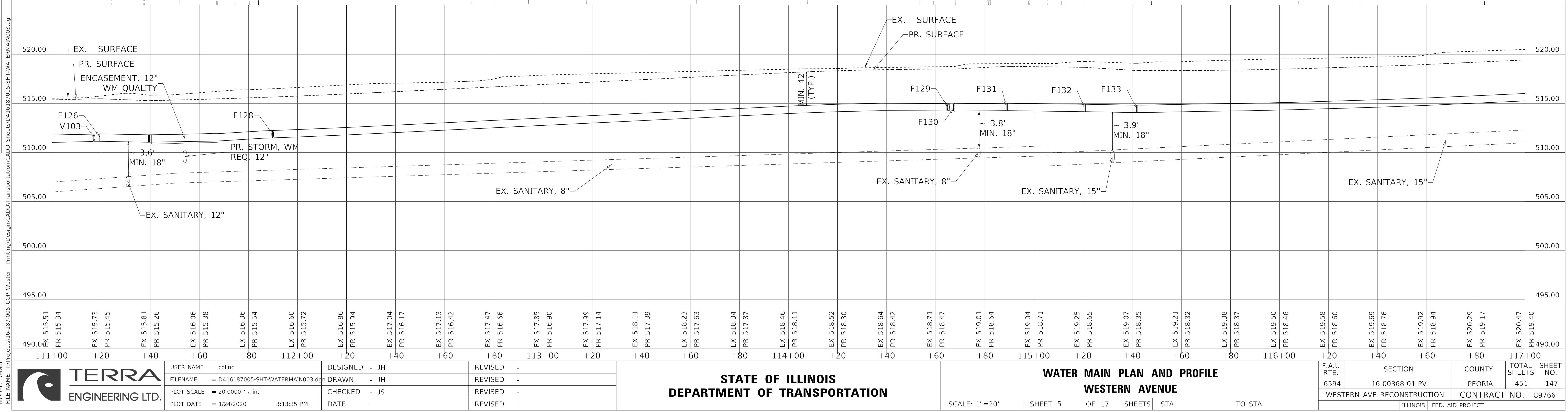
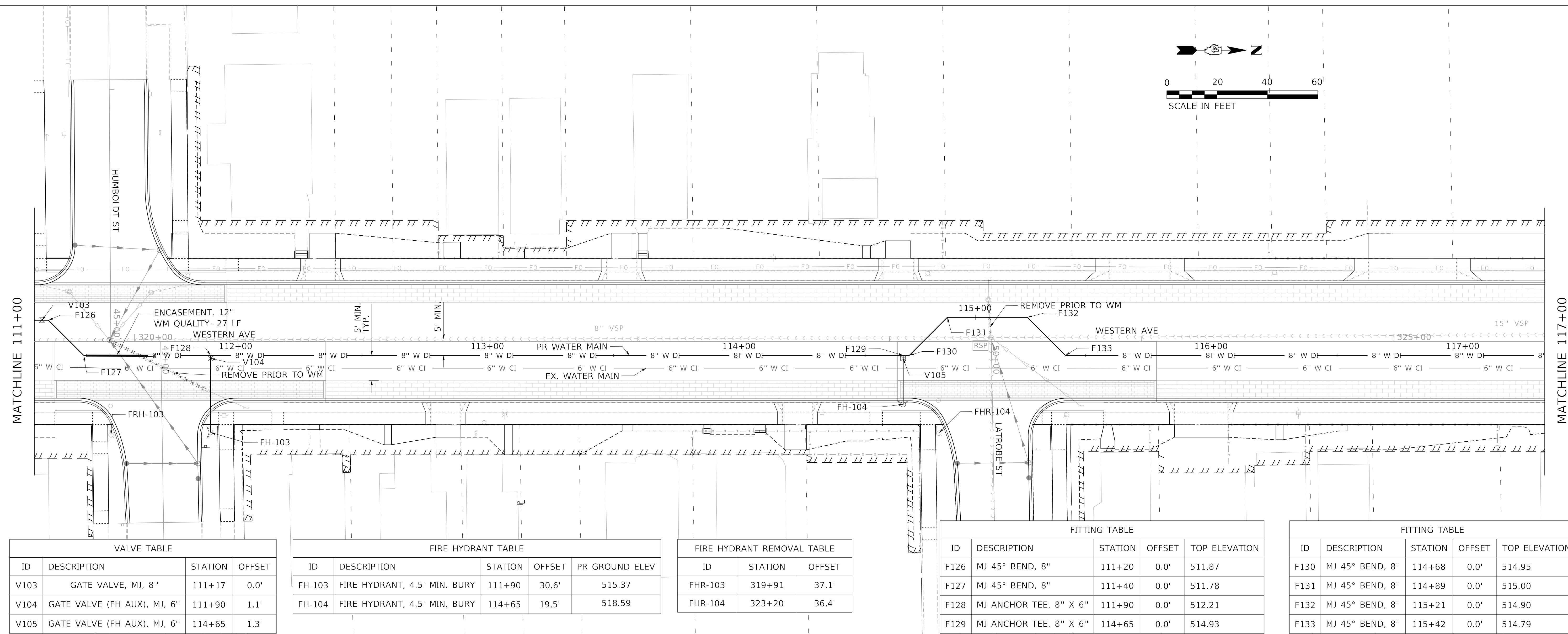
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MATCHLINE 111+00



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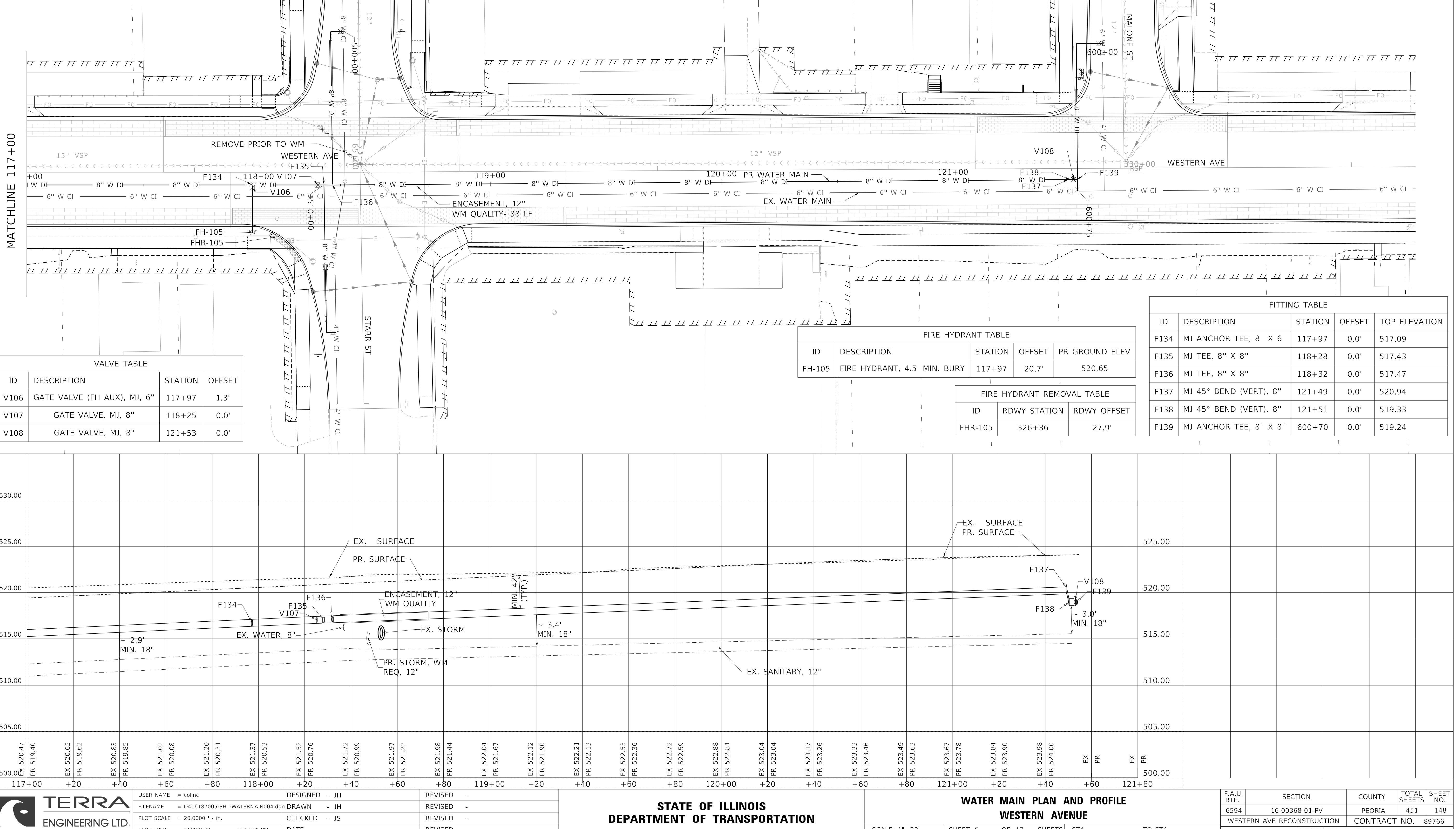
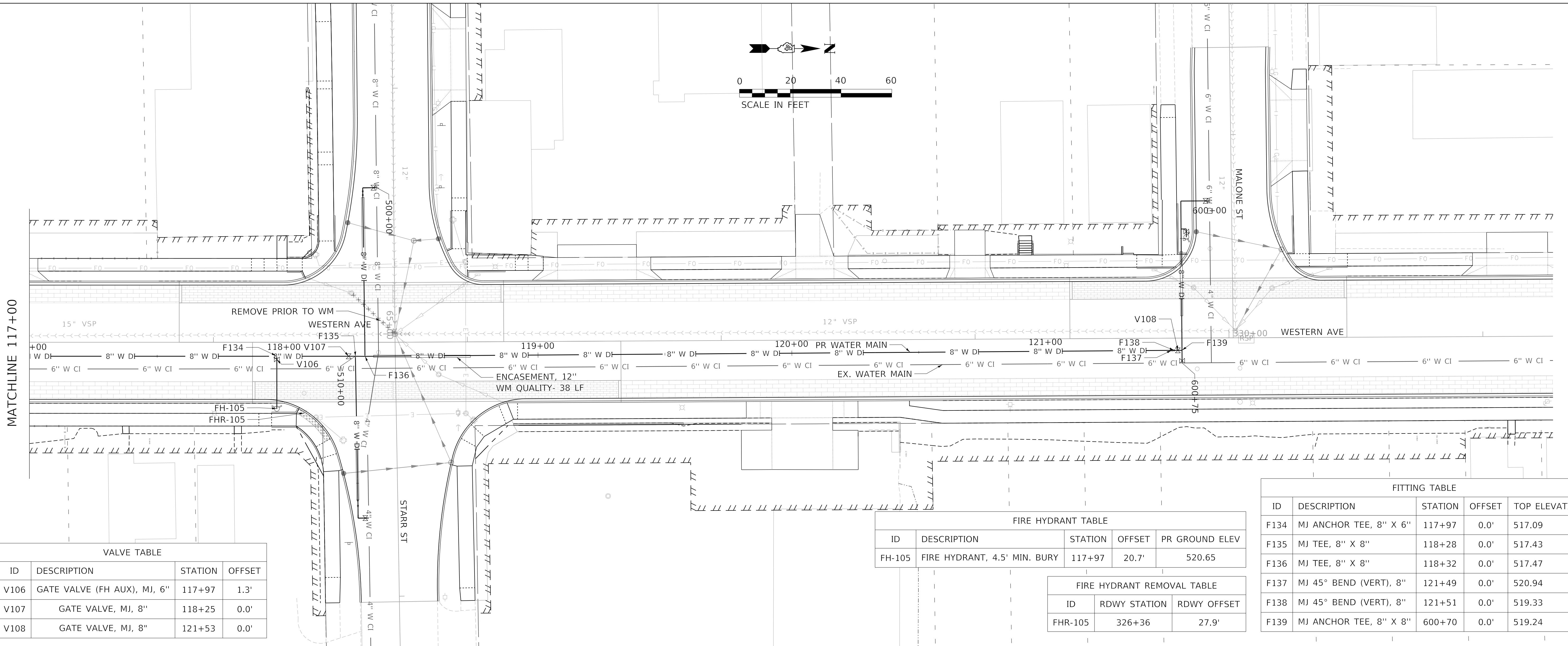
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NOTE BOOK NO. OF DRAWINGS
CADD FILE NAME



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PLOTTED	GRADES CHECKED	ALIGNMENT CHECKED	
NOTE BOOK NO.	CO. OF MANAGERS	CADD FILE NAME	

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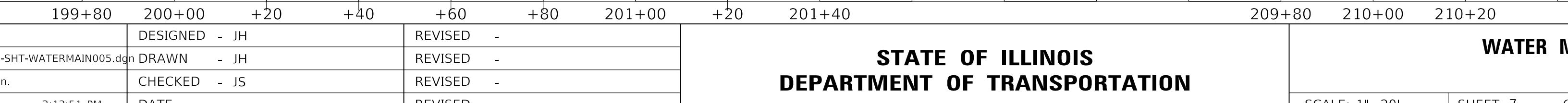
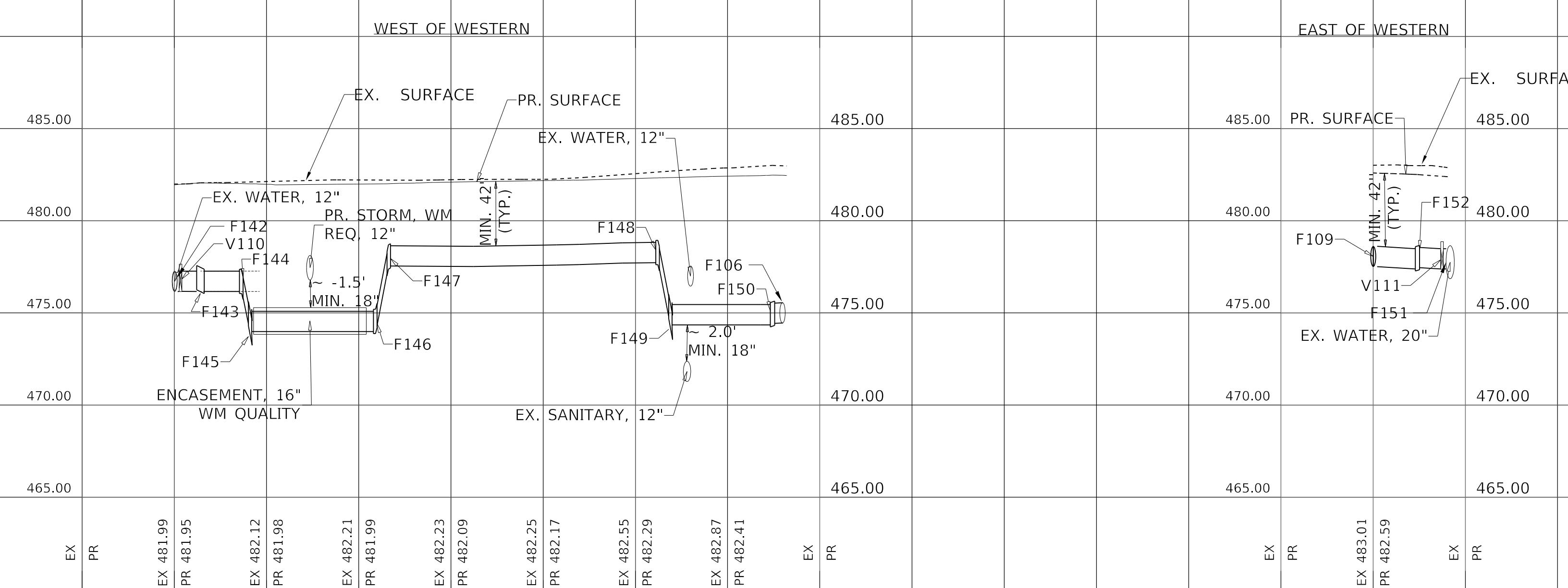
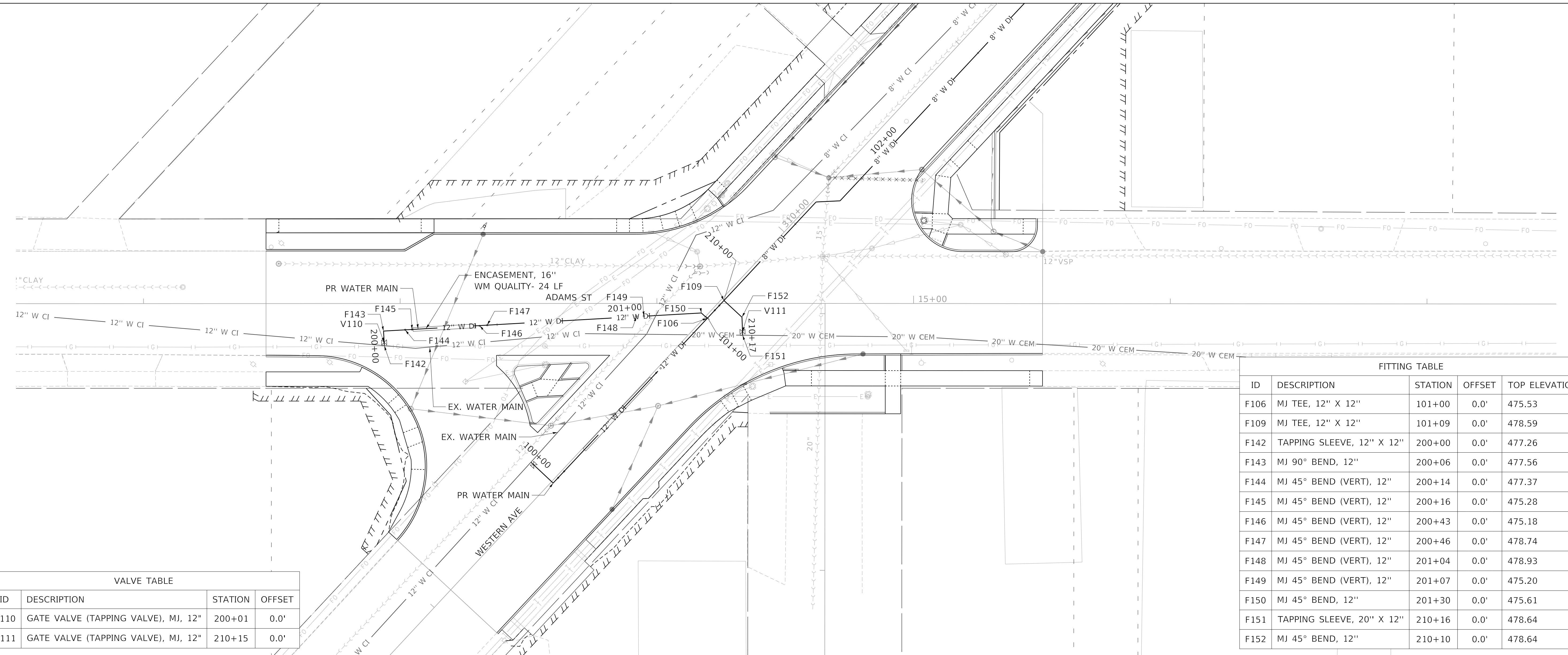
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	NOTE BOOK NO.	CAD FILE NAME	

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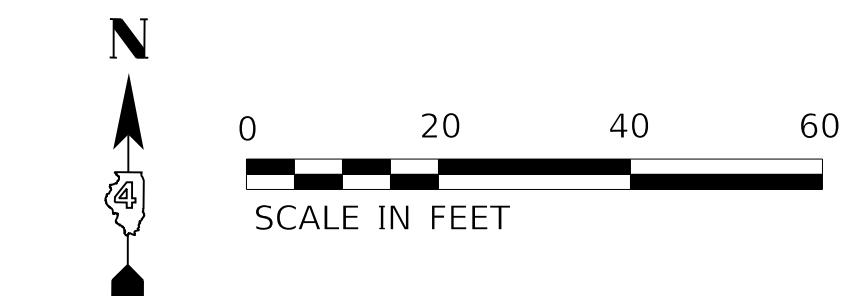
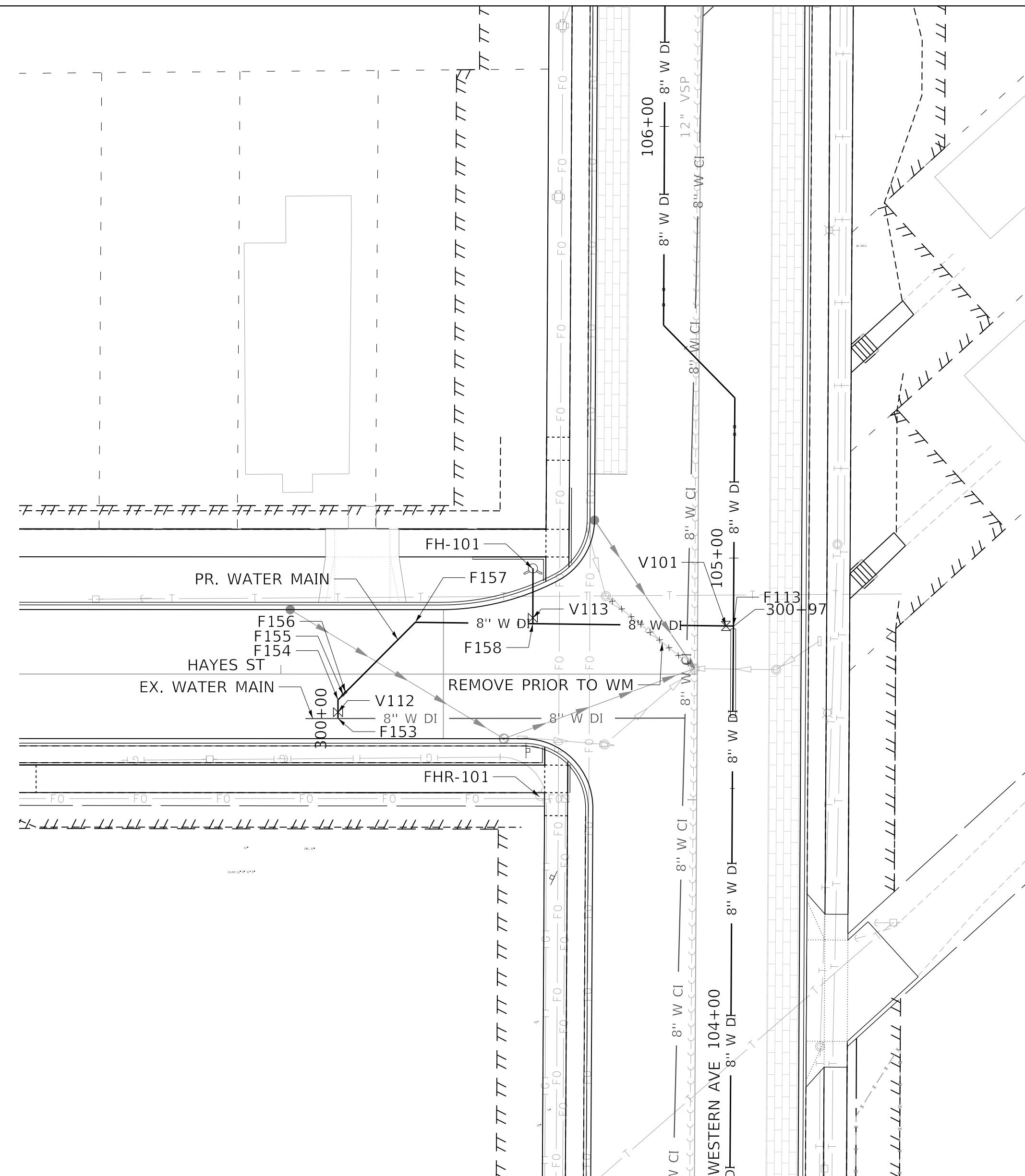


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN PLAN AND PROFILE
ADAMS STREET

PLAN	SURVEYED _____	BY _____	DATE _____
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NOTE BOOK NO. _____	CADD FILE NAME _____		

PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____	GRADE CHECKED _____	B.M. NOTED _____
NOTE BOOK NO. _____	STRUCTURE NOTAT'NS CH'KD		



HA

FITTING TABLE

ID	DESCRIPTION	STATION	OFFSET	TOP ELEVATION
F113	MJ ANCHOR TEE, 8" X 8"	104+85	0.0'	494.14
F153	TAPPING SLEEVE, 8" X 8"	300+00	0.0'	495.33
F154	MJ 45° BEND, 8"	300+04	0.0'	495.41
F155	MJ 45° BEND (VERT), 8"	300+05	0.0'	495.42
F156	MJ 45° BEND (VERT), 8"	300+06	0.0'	496.27
F157	MJ 45° BEND, 8"	300+28	0.0'	496.25
F158	MJ ANCHOR TEE, 8" X 6"	300+53	0.0'	495.17

VALVE TAB

VALVE TABLE			
ID	DESCRIPTION	STATION	OFFSET
V101	GATE VALVE, MJ, 8"	300+96	0.0'
V112	GATE VALVE (TAPING VALVE), MJ, 8"	300+01	0.0'
V113	GATE VALVE (FH AUX), MJ, 6"	300+53	-1.3'

FIRE HYDRANT TABLE

ID	DESCRIPTION	STATION	OFFSET	PR GROUND E
FH-101	FIRE HYDRANT, 5.5' MIN. BURY	300+53	-12.0'	500.17

BE HYDRANT REMOVAL TAB

TIRE HYDRANT REMOVAL TABLE		
ID	RDWY STATION	RDWY OFFS
FHR-101	313+01	-34.0'

JEFFERSON

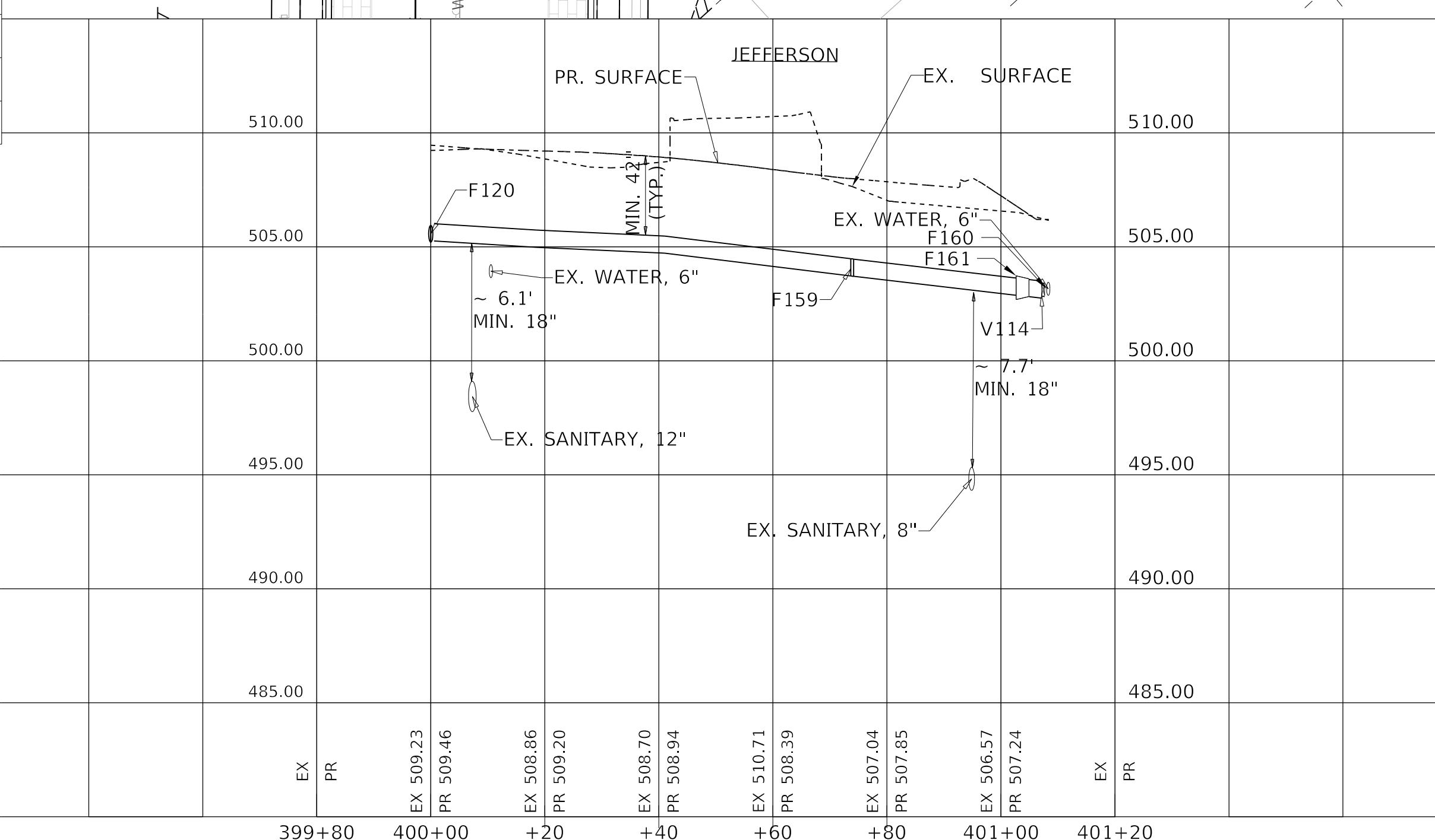
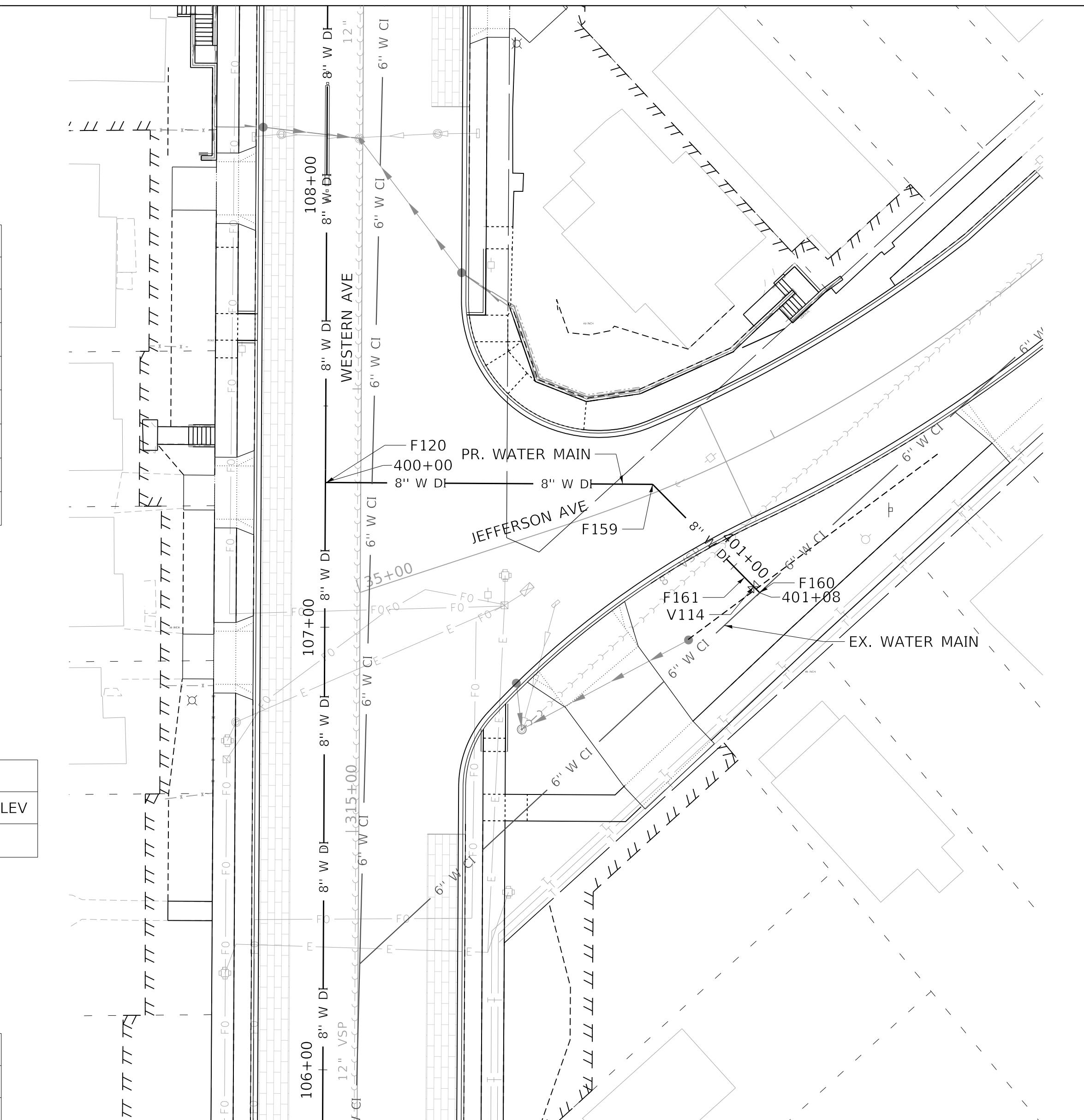
FITTING TABLE

ID	DESCRIPTION	STATION	OFFSET	TOP ELEV.
F120	MJ TEE, 8" X 8"	107+33	0.0'	505.95
F159	MJ 45° BEND, 8"	400+74	0.0'	504.47
F160	TAPPING SLEEVE, 6" X 6"	401+08	0.0'	503.46
F161	MJ REDUCER 8" X 6"	401+04	0.0'	503.63

1444 (7, 742)

WREVE TRADES

ID	DESCRIPTION	STATION	OFFSET
V114	GATE VALVE (TAPPING VALVE), MJ, 6"	401+07	0.0"



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ENGINEERING LTD.

0	+20	+40	+60	+80	301
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WATER MAIN PLAN AND PROFILE

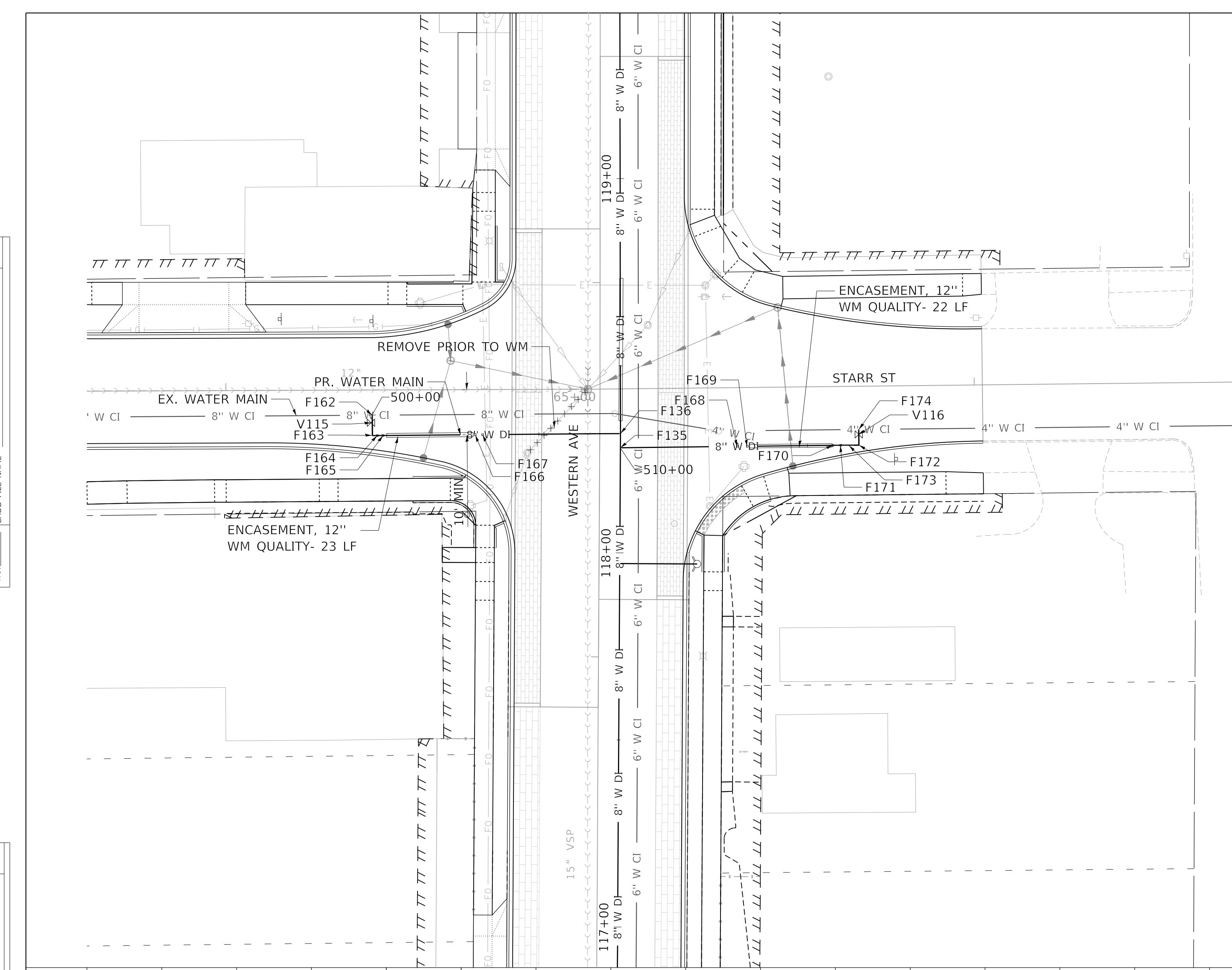
HAYES STREET & JEFFERSON AVENUE

SCALE: 1"=20' SHEET 8 OF 17 SHEETS STA. TO ST

+60	+80	401+00	401+20			
	F.A.U. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
	6594	16-00368-01-PV		PEORIA	451	150
		WESTERN AVE RECONSTRUCTION		CONTRACT NO.	89766	
			ILLINOIS	FED. AID PROJECT		

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 NOTE BOOK NO. _____ DRAWN AND NOTATED CHKO _____
 CADD FILE NAME _____

PROFILE SURVEYED _____ BY _____ DATE _____
 PLOTTED _____ GRADES CHECKED _____
 NOTE BOOK NO. _____ DRAWN AND NOTATED CHKO _____



STARR FITTING TABLE

ID	DESCRIPTION	STATION	OFFSET	TOP ELEVATION
F135	MJ TEE, 8" X 8"	118+28	0.0'	517.43
F136	MJ TEE, 8" X 8"	118+32	0.0'	517.47
F162	TAPPING SLEEVE, 8" X 8"	500+00	0.0'	517.57
F163	MJ 90 ° BEND, 8"	500+05	0.0'	517.63
F164	MJ 45° BEND (VERT), 8"	500+07	0.0'	517.61
F165	MJ 45° BEND (VERT), 8"	500+08	0.0'	516.10
F166	MJ 45° BEND (VERT), 8"	500+33	0.0'	516.02
F167	MJ 45° BEND (VERT), 8"	500+35	0.0'	518.21
F168	MJ 45° BEND (VERT), 8"	510+31	0.0'	516.82
F169	MJ 45° BEND (VERT), 8"	510+34	0.0'	513.78
F170	MJ 45° BEND (VERT), 8"	510+57	0.0'	513.70
F171	MJ 45° BEND (VERT), 8"	510+59	0.0'	516.07
F172	MJ REDUCER, 8" X 4"	510+63	0.0'	516.10
F173	MJ REDUCER, 8" X 4"	510+61	0.0'	516.27
F174	TAPPING SLEEVE, 4" X 4"	510+68	0.0'	516.08

VALVE TABLE

ID	DESCRIPTION	STATION	OFFSET
V115	GATE VALVE (TAPPING VALVE), MJ, 8"	500+01	0.0'
V116	GATE VALVE (TAPPING VALVE), MJ, 4"	510+67	0.0'

MALONE FITTING TABLE

ID	DESCRIPTION	STATION	OFFSET	TOP ELEVATION
F139	MJ ANCHOR TEE, 8" X 8"	600+70	0.0'	519.24
F140	TAPPING SLEEVE, 6" X 6"	600+75	0.0'	519.28
F141	MJ REUCER, 8" X 6"	600+73	0.0'	519.22
F175	TAPPING SLEEVE, 6" X 6"	600+00	0.0'	520.03
F176	MJ REDUCER, 8" X 6"	600+04	0.0'	520.18
F177	MJ 90° BEND, 8"	600+11	0.0'	520.17
F248	MJ 90° BEND, 6"	600+22	-2.1'	520.02
F249	MJ ANCHOR TEE, 8" X 6"	600+22	0.0'	520.02

MALONE VALVE TABLE

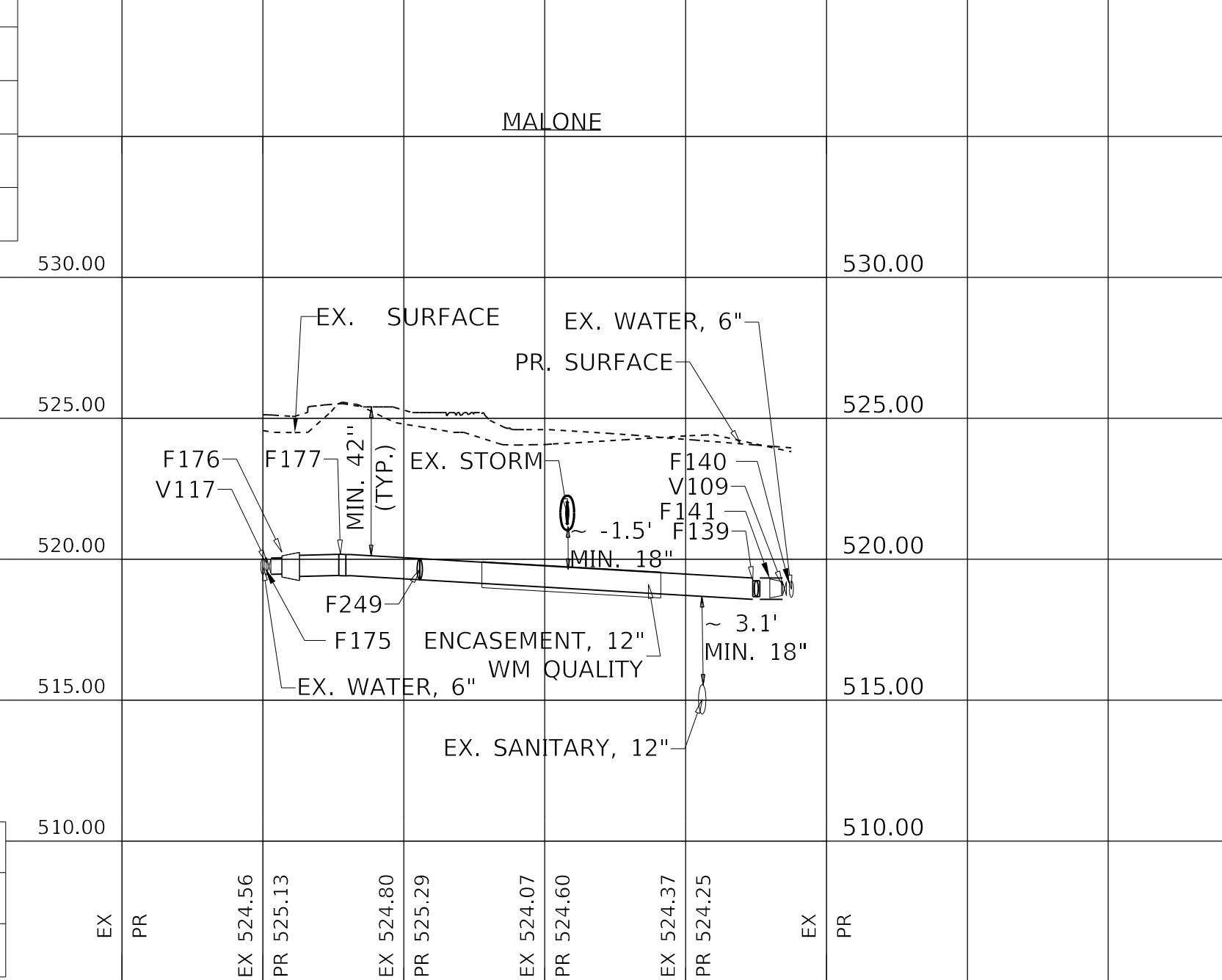
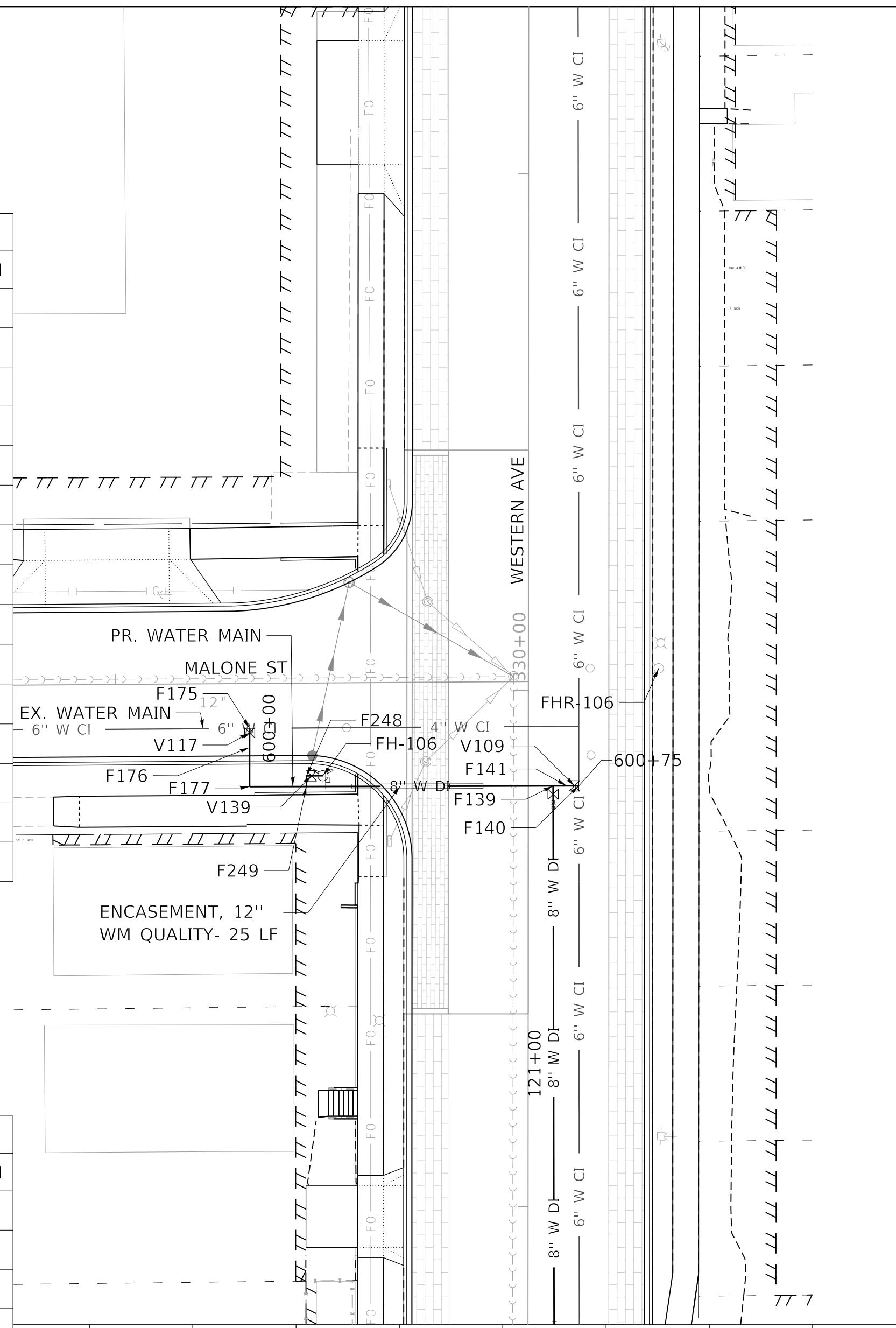
ID	DESCRIPTION	STATION	OFFSET
V109	GATE VALVE (TAPPING VALVE), MJ, 6"	600+74	0.0'
V117	GATE VALVE (TAPPING VALVE), MJ, 6"	600+01	0.0'
V139	GATE VALVE (FH AUX), MJ, 6"	600+23	-2.1'

FIRE HYDRANT REMOVAL TABLE

ID	RDWY STATION	RDWY OFFSET
FHR-106	330+04	25.2'

FIRE HYDRANT TABLE

ID	DESCRIPTION	STATION	OFFSET	PR GROUND ELEV
FH-106	FIRE HYDRANT, 5.5' MIN. BURY	600+25	-2.1'	525.23



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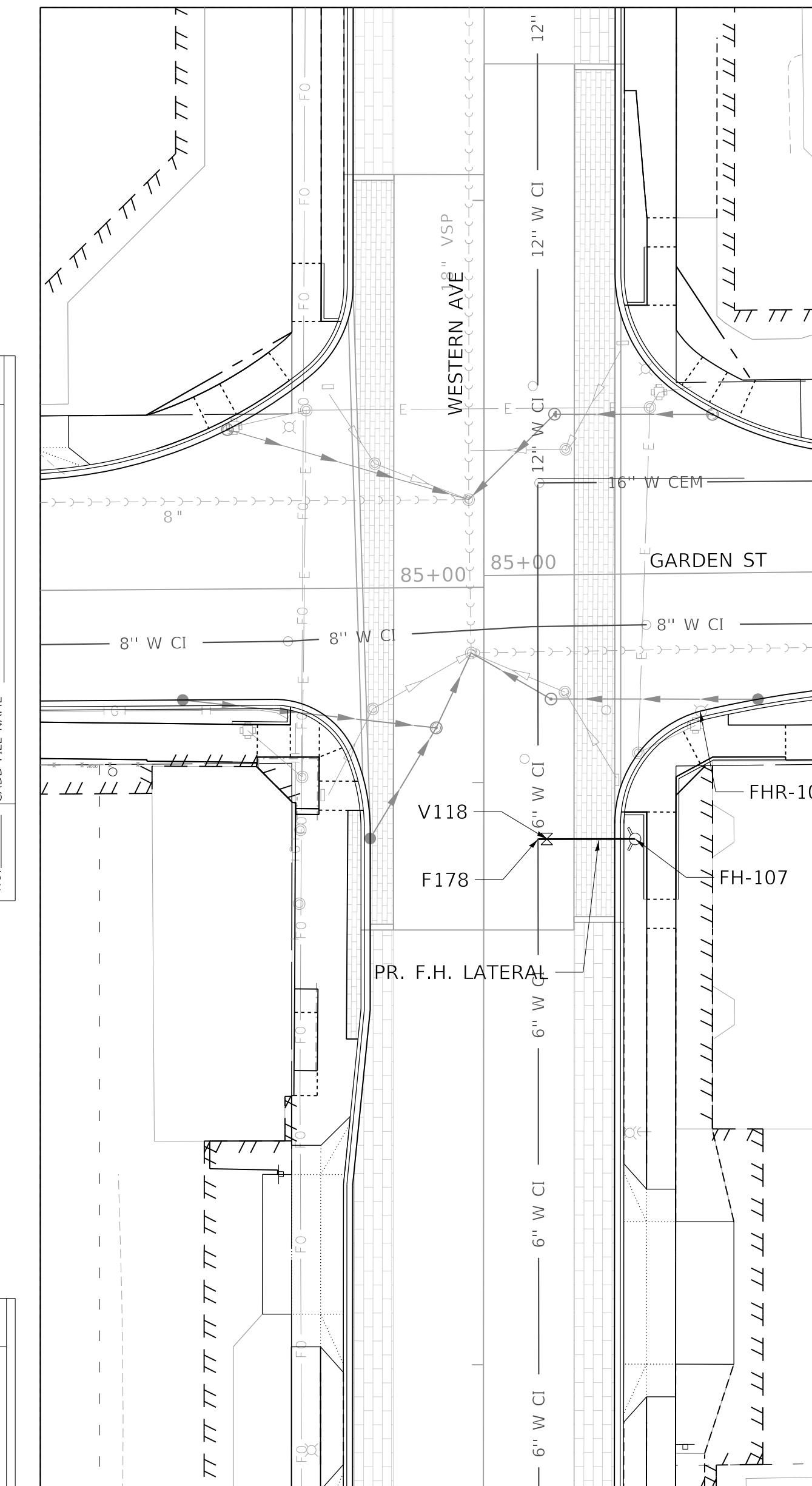
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WATER MAIN PLAN AND PROFILE
 STARR STREET & MALONE STREET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	451	151
WESTERN AVE RECONSTRUCTION				CONTRACT NO. 89766
ILLINOIS FED. AID PROJECT				

PLAN SURVEYED BY DATE
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NOTE BOOK NO. DRAWN CHECKED
CADD FILE NAME

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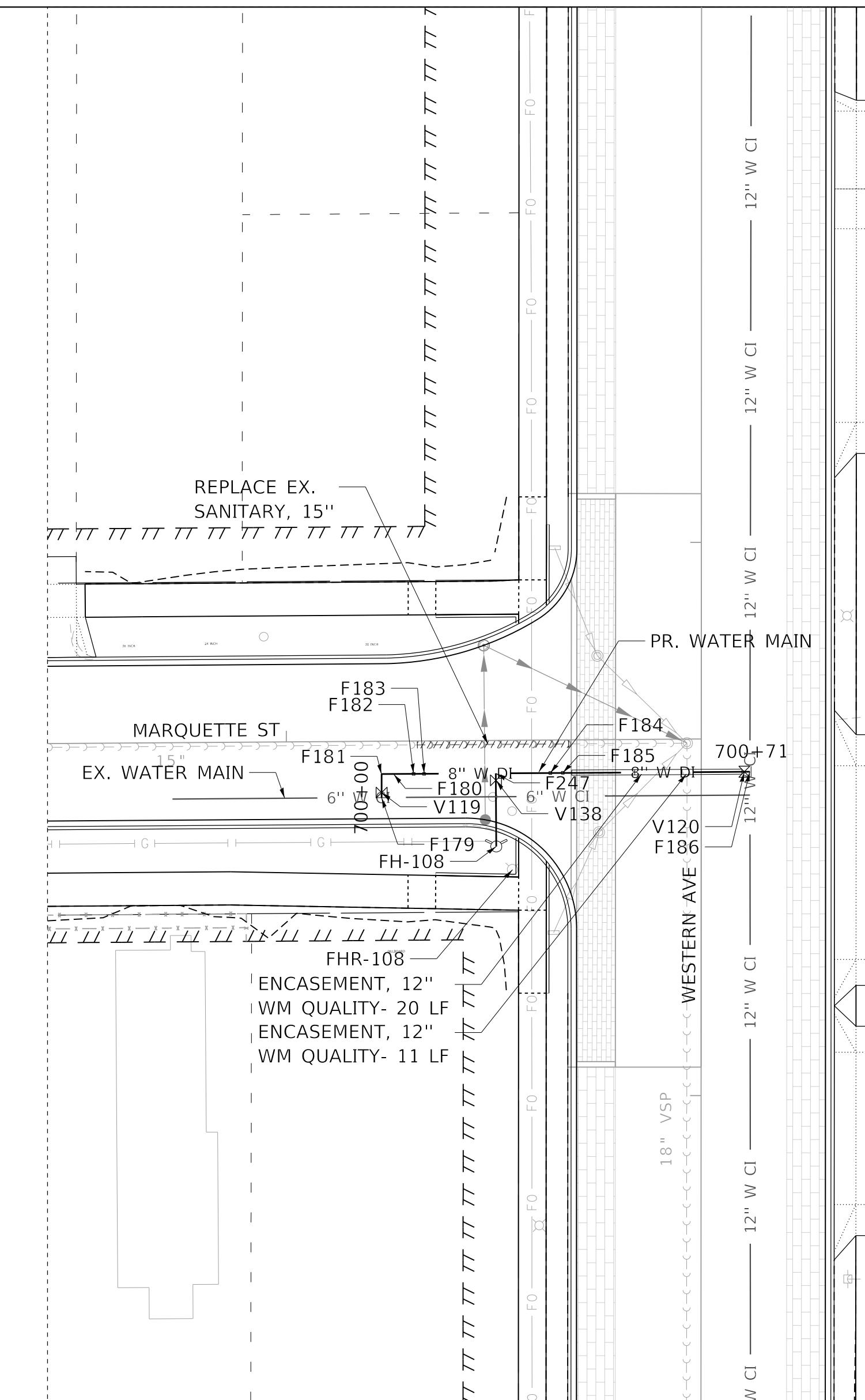
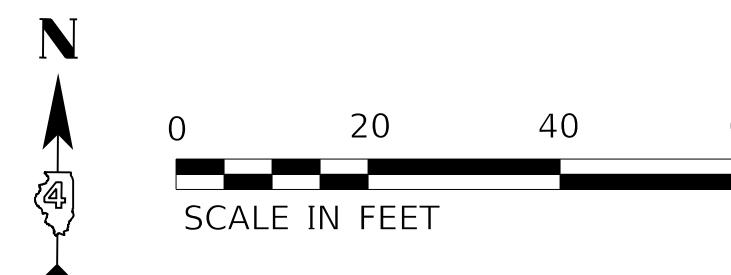


FITTING TABLE				
ID	DESCRIPTION	STATION	OFFSET	TOP ELEVATION
F178	TAPPING SLEEVE, 6" X 6"	332+90	9.3'	519.30

VALVE TABLE			
ID	DESCRIPTION	STATION	OFFSET
V118	GATE VALVE (TAPPING/ FH AUX), 6"	332+90	10.6'

FIRE HYDRANT TABLE				
ID	DESCRIPTION	STATION	OFFSET	PR GROUND ELEV
FH-107	FIRE HYDRANT, 5.5' MIN. BURY	332+90	26.0'	523.10

FIRE HYDRANT REMOVAL TABLE		
ID	STATION	OFFSET
FHR-107	333+12	37.3'



FITTING TABLE				
ID	DESCRIPTION	STATION	OFFSET	TOP ELEVATION
F179	TAPPING SLEEVE, 6" X 6"	700+00	0.0'	520.19
F180	MJ REDUCER, 8" X 6"	700+07	0.0'	520.08
F181	MJ 90° BEND, 6"	700+04	0.0'	520.09
F182	MJ 45° BEND (VERT), 8"	700+10	0.0'	520.01
F183	MJ 45° BEND (VERT), 8"	700+12	0.0'	518.67
F184	MJ 45° BEND (VERT), 8"	700+35	0.0'	518.70
F185	MJ 45° BEND (VERT), 8"	700+37	0.0'	520.30
F186	TAPPING SLEEVE, 8" X 12"	700+71	0.0'	519.70
F247	MJ ANCHOR TEE, 8" X 6"	700+25	0.0'	518.68

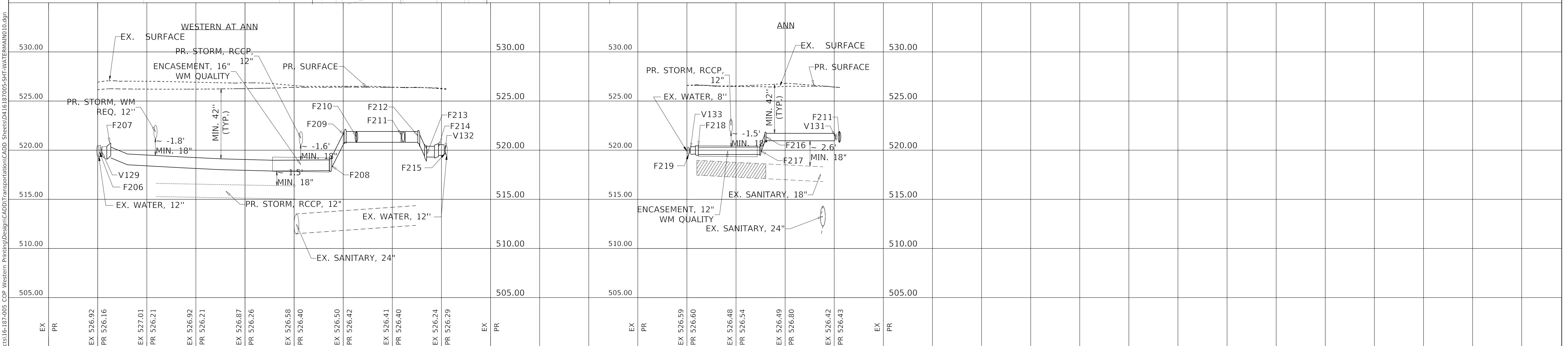
VALVE TABLE			
ID	DESCRIPTION	STATION	OFFSET
V119	GATE VALVE (TAPPING VALVE), MJ, 6"	700+01	0.0'
V120	GATE VALVE (TAPPING VALVE), MJ, 8"	700+70	0.0'
V138	GATE VALVE (FH AUX), 6"	700+25	1.3'

FIRE HYDRANT TABLE				
ID	DESCRIPTION	STATION	OFFSET	PR GROUND ELEV
FH-108	FIRE HYDRANT, 6.0' MIN. BURY	700+25	13.2'	525.20

FIRE HYDRANT REMOVAL TABLE		
ID	RDWY STATION	RDWY OFFSET
FHR-108	336+41	-34.1'

PLAN	SURVEYED	BY	DATE
	PLOTTED	ALIGNMENT CHECKED	
	NOTE BOOK NO.	CO. OF MANAGERS	CADD FILE NAME

PROFILE	SURVEYED	BY	DATE
	PLOTTED	GRADES CHECKED	
	NOTE BOOK NO.	EM. NOTED	STRUCTURE NOTES CHKO



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN PLAN AND PROFILE
ANN STREET

SCALE: 1"=20' SHEET 12 OF 17 SHEETS STA. TO STA.

F.A.U. SECTION COUNTY TOTAL SHEETS SHEET NO.
RTE. 6594 16-00368-01-PV PEORIA 451 154
WESTERN AVE RECONSTRUCTION CONTRACT NO. 89766
ILLINOIS FED. AID PROJECT

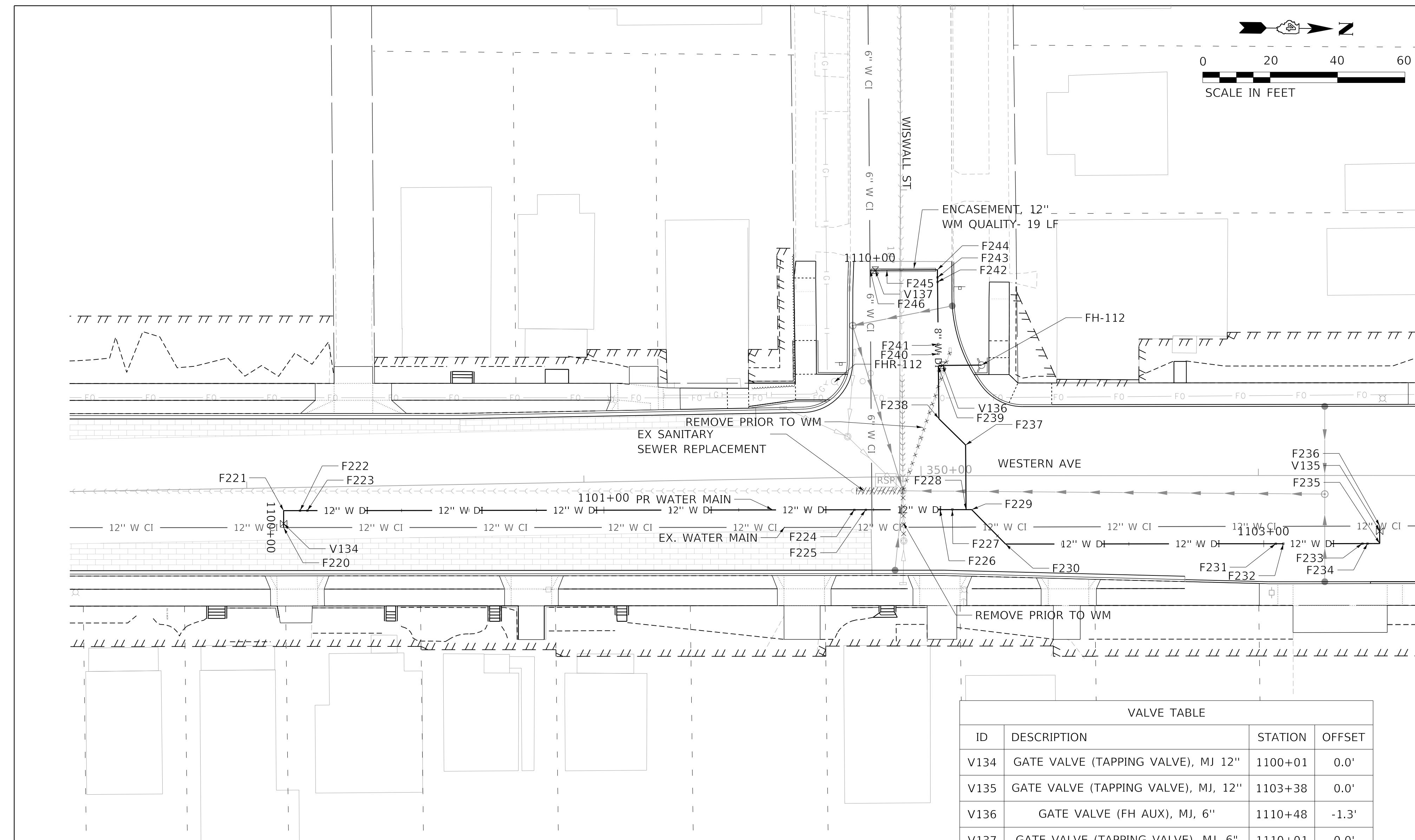
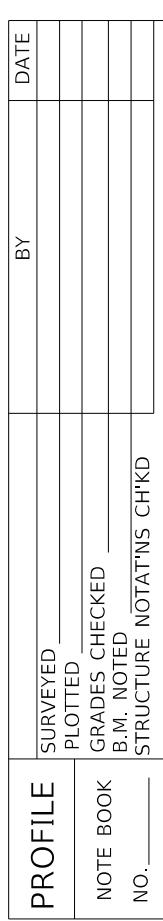
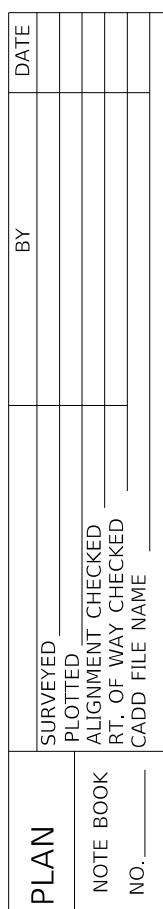
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SCALE IN FEET

FITTING TABLE				
ID	DESCRIPTION	STATION	OFFSET	TOP ELEVATION
F206	TAPPING SLEEVE, 12" X 12"	1000+00	0.0'	520.49
F207	MJ 90° BEND, 12"	1000+05	0.0'	520.67
F208	MJ 45° BEND (VERT), 12"	1000+95	0.0'	519.23
F209	MJ 45° BEND (VERT), 12"	1001+00	0.0'	522.11
F210	MJ ANCHOR TEE, 12" X 6"	1001+05	0.0'	521.90
F211	MJ ANCHOR TEE, 12" X 8"	1001+24	0.0'	521.89
F212	MJ 45° BEND (VERT), 12"	1001+30	0.0'	522.02
F213	MJ 45° BEND (VERT), 12"	1001+33	0.0'	520.40
F214	MJ 90° BEND, 12"	1001+38	0.0'	520.61
F215	TAPPING SLEEVE, 12" X 12"	1001+42	0.0'	520.50
F216	MJ 45° BEND (VERT), 8"	1010+32	0.0'	521.86
F217	MJ 45° BEND (VERT), 8"	1010+30	0.0'	520.50
F218	MJ 90° BEND, 8"	1010+04	0.0'	520.44
F219	TAPPING SLEEVE, 8" X 8"	1010+00	0.0'	520.33

VALVE TABLE			
ID	DESCRIPTION	STATION	OFFSET
V129	GATE VALVE(TAPPING VALVE), MJ, 12"	1000+02	0.0'
V130	GATE VALVE (FH AUX), MJ, 6"	1001+05	1.7'
V131	GATE VALVE, MJ, 8"	1010+61	0.0'
V132	GATE VALVE (TAPPING VALVE), MJ, 12"	1001+41	0.0'
V133	GATE VALVE (TAPPING VALVE), MJ, 8"	1010+01	0.0'

FIRE HYDRANT TABLE				
ID	DESCRIPTION	STATION	OFFSET	PR GROUND ELEV
FH-111	FIRE HYDRANT, 5.5' MIN. BURY	1001+06	30.5'	526.52

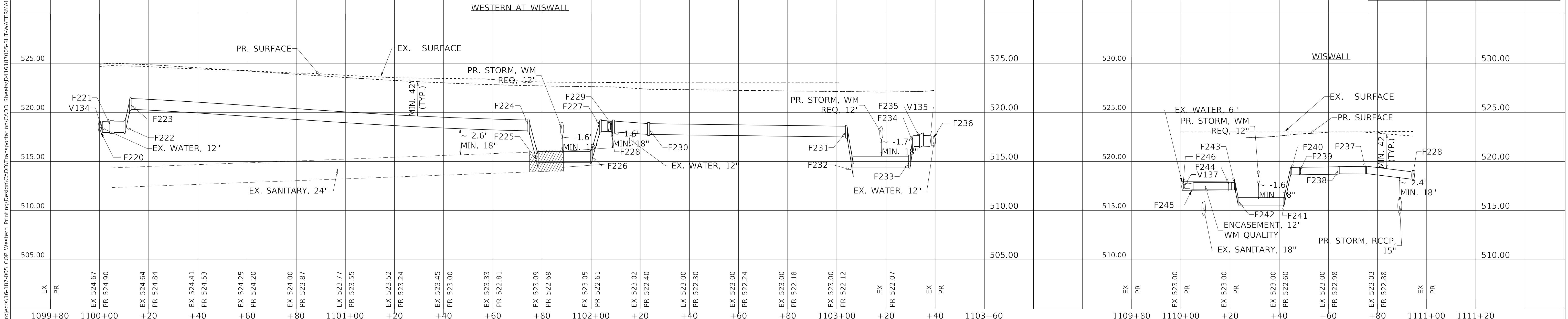
FIRE HYDRANT REMOVAL TABLE		
ID	RDWY STATION	RDWY OFFSET
FHR-111	345+97	33.5'



FITTING TABLE				
ID	DESCRIPTION	STATION	OFFSET	TOP ELEVATION
F220	TAPPING SLEEVE, 12" X 12"	1100+05	0.0'	519.05
F221	MJ 90° BEND, 12"	1100+05	0.0'	519.15
F222	MJ 45° BEND (VERT), 12"	1100+10	0.0'	519.15
F223	MJ 45° BEND (VERT), 12"	1100+12	0.0'	521.49
F224	MJ 45° BEND (VERT), 12"	1101+74	0.0'	519.32
F225	MJ 45° BEND (VERT), 12"	1101+78	0.0'	516.02
F226	MJ 45° BEND (VERT), 12"	1102+00	0.0'	516.33
F227	MJ 45° BEND (VERT), 12"	1102+03	0.0'	519.32
F228	MJ TEE, 12" X 8"	1102+07	0.0'	519.12
F229	MJ 45° BEND, 12"	1102+09	0.0'	519.22
F230	MJ 45° BEND, 12"	1102+23	0.0'	518.96
F231	MJ 45° BEND (VERT), 12"	1103+04	0.0'	518.70
F232	MJ 45° BEND (VERT), 12"	1103+06	0.0'	515.66
F233	MJ 45° BEND (VERT), 12"	1103+29	0.0'	515.72
F234	MJ 45° BEND (VERT), 12"	1103+31	0.0'	517.62
F235	MJ 90° BEND, 12"	1103+34	0.0'	517.93
F236	TAPPING SLEEVE, 12" X 12"	1103+40	0.0'	517.63
F237	MJ 45° BEND, 8"	1110+75	0.0'	519.50
F238	MJ 45° BEND, 8"	1110+64	0.0'	519.49
F239	MJ ANCHOR TEE, 8" X 6"	1110+48	0.0'	519.41
F240	MJ 45° BEND (VERT), 8"	1110+45	0.0'	519.40
F241	MJ 45° BEND (VERT), 8"	1110+42	0.0'	516.31
F242	MJ 45° BEND (VERT), 8"	1110+24	0.0'	516.37
F243	MJ 45° BEND (VERT), 8"	1110+22	0.0'	518.05
F244	MJ 90° BEND, 8"	1110+20	0.0'	517.88
F245	MJ REDUCER, 8" X 6"	1110+04	0.0'	517.79

FIRE HYDRANT TABLE					
	DESCRIPTION	STATION	OFFSET	PR	GROUND ELEV
112	FIRE HYDRANT, 5.0' MIN. BURY	1110+48	-12.8'		523.23

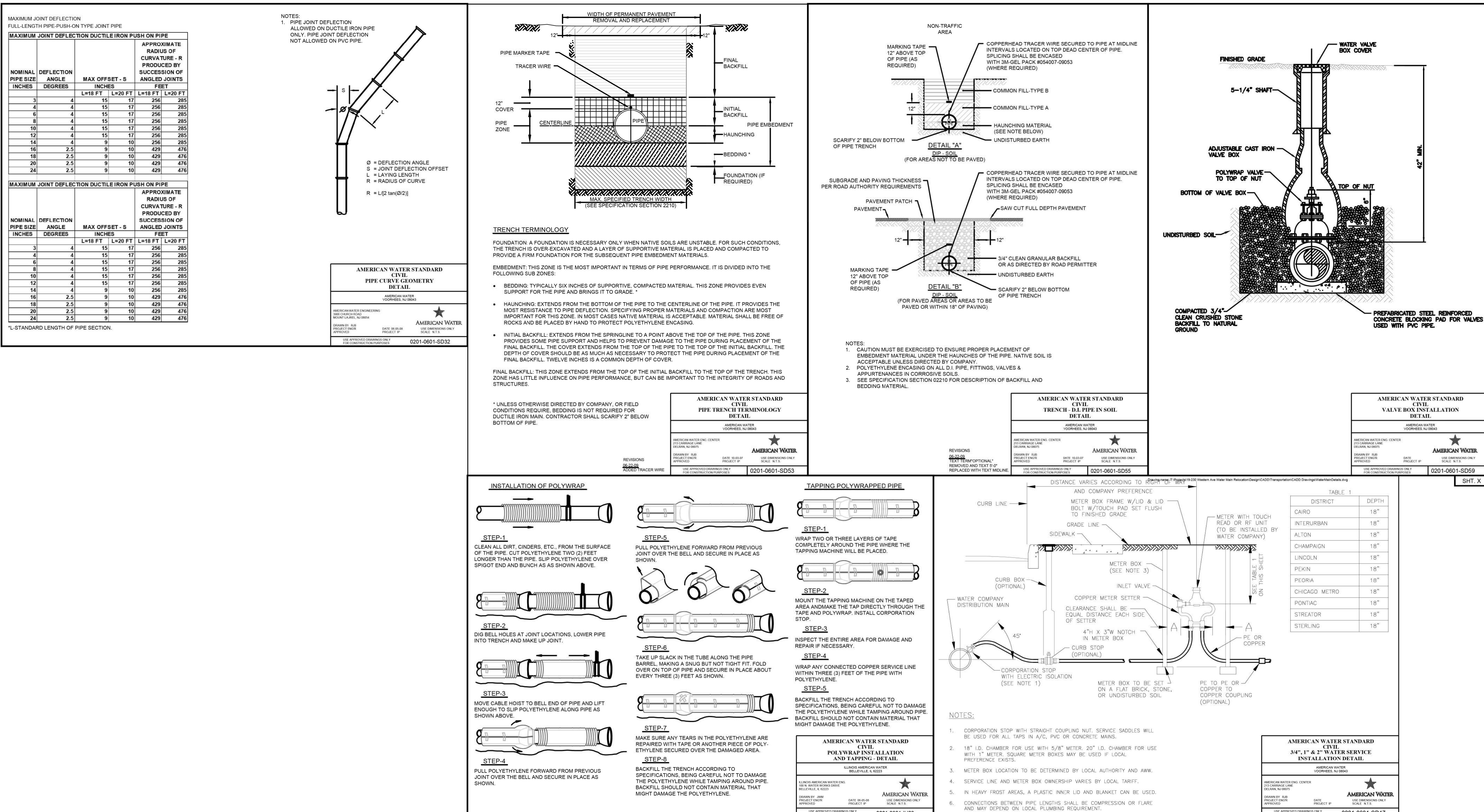
FIRE HYDRANT REMOVAL TABLE			
	ID	RDWY STATION	RDWY OFFSET
	FHR-112	349+75	-28.5'

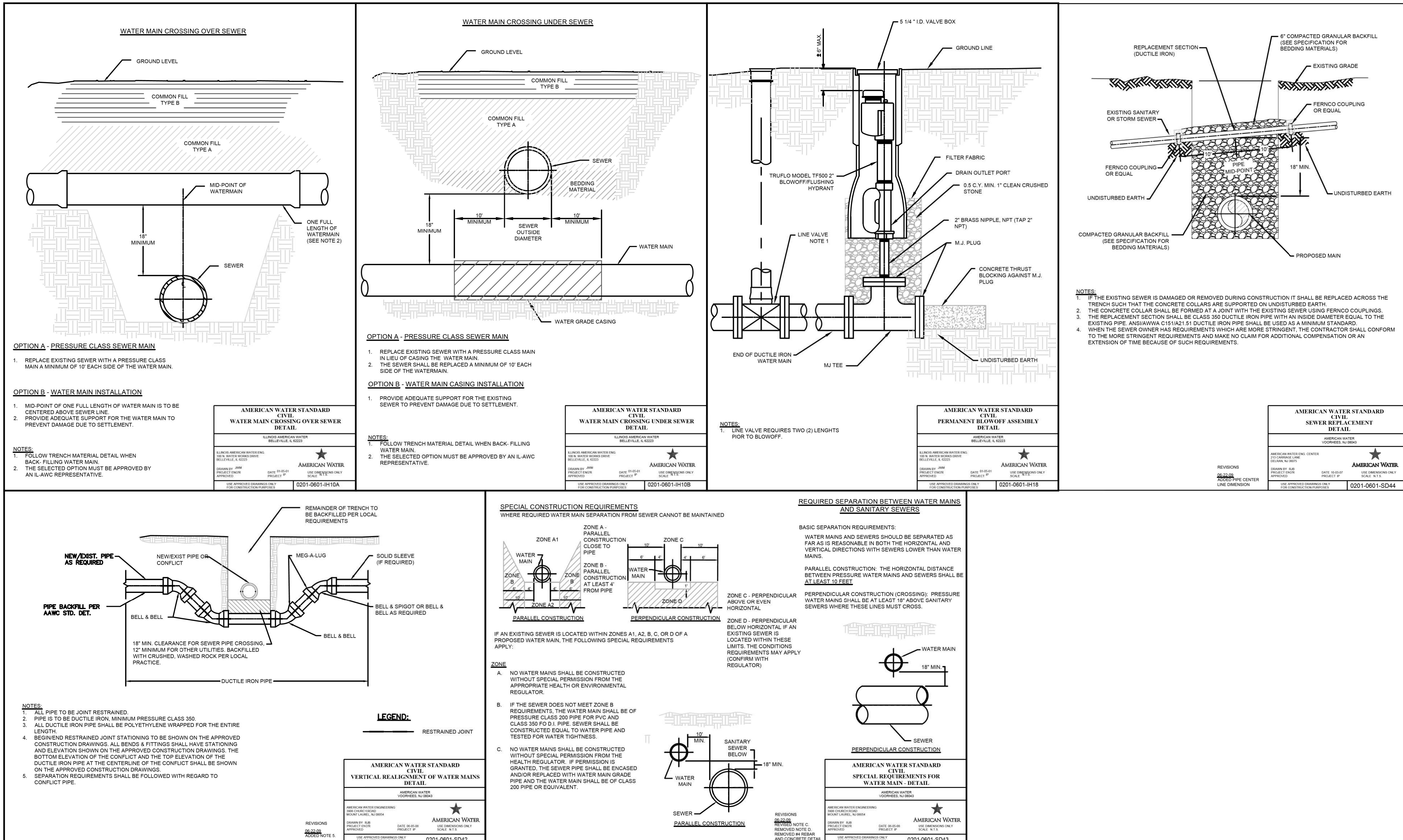


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WATER MAIN PLAN AND PROFILE

WISWALL STREET

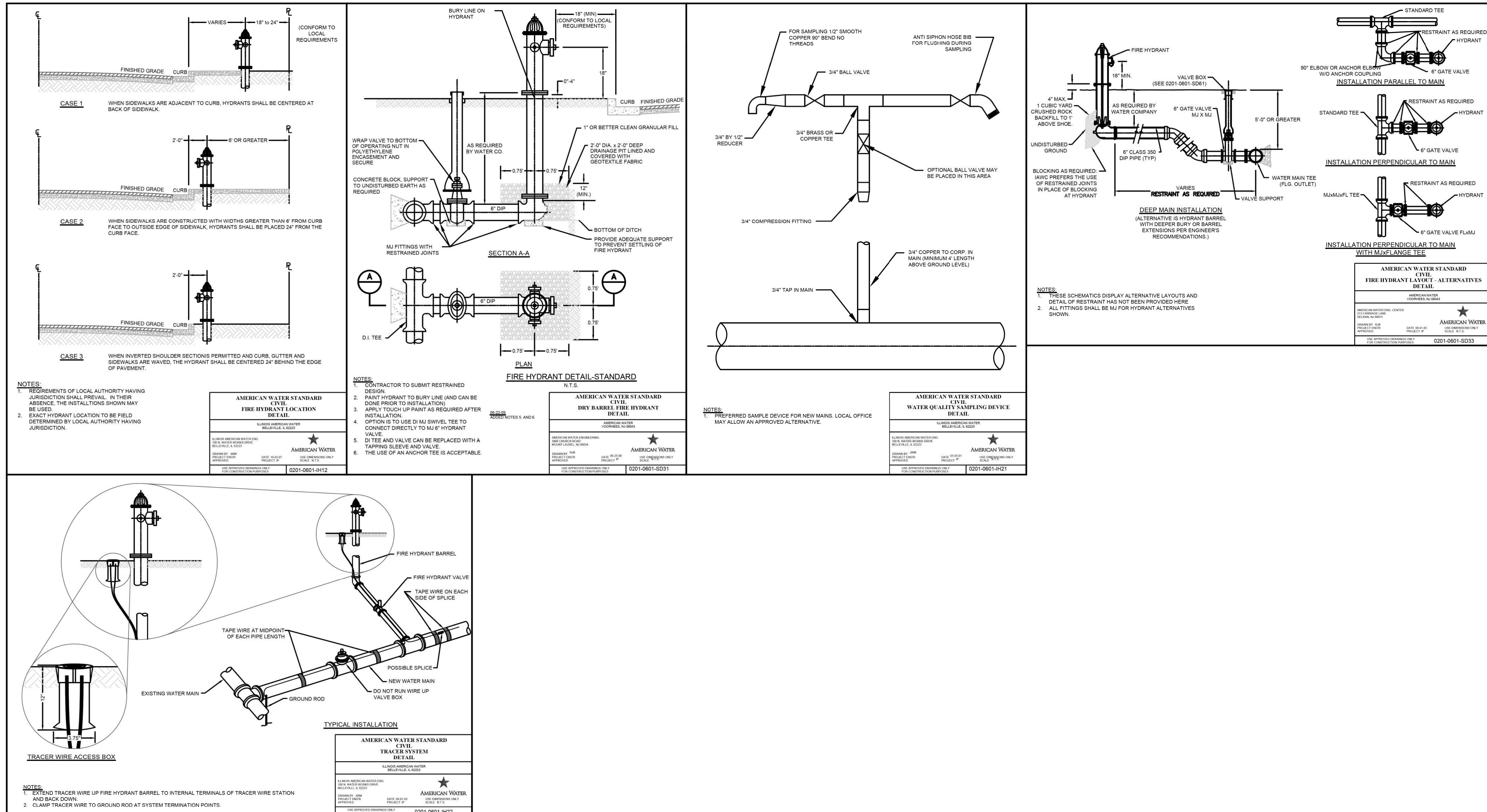




STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN DETAILS

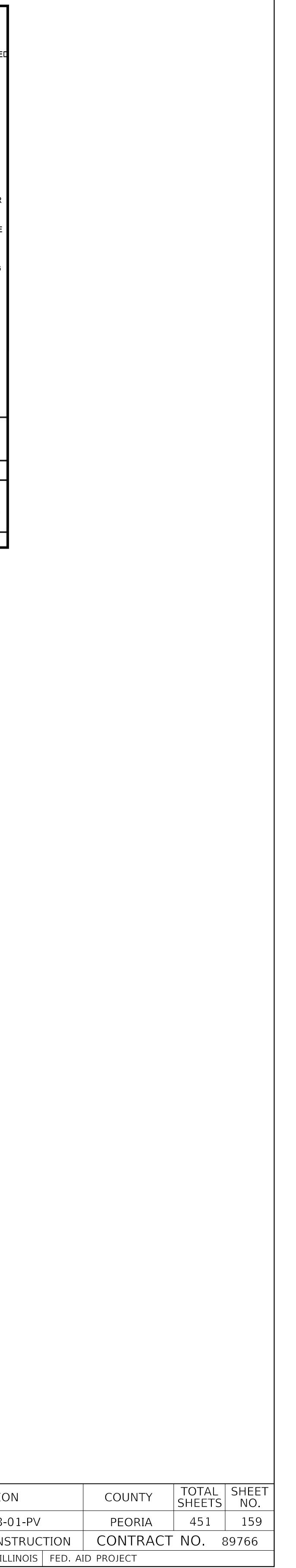
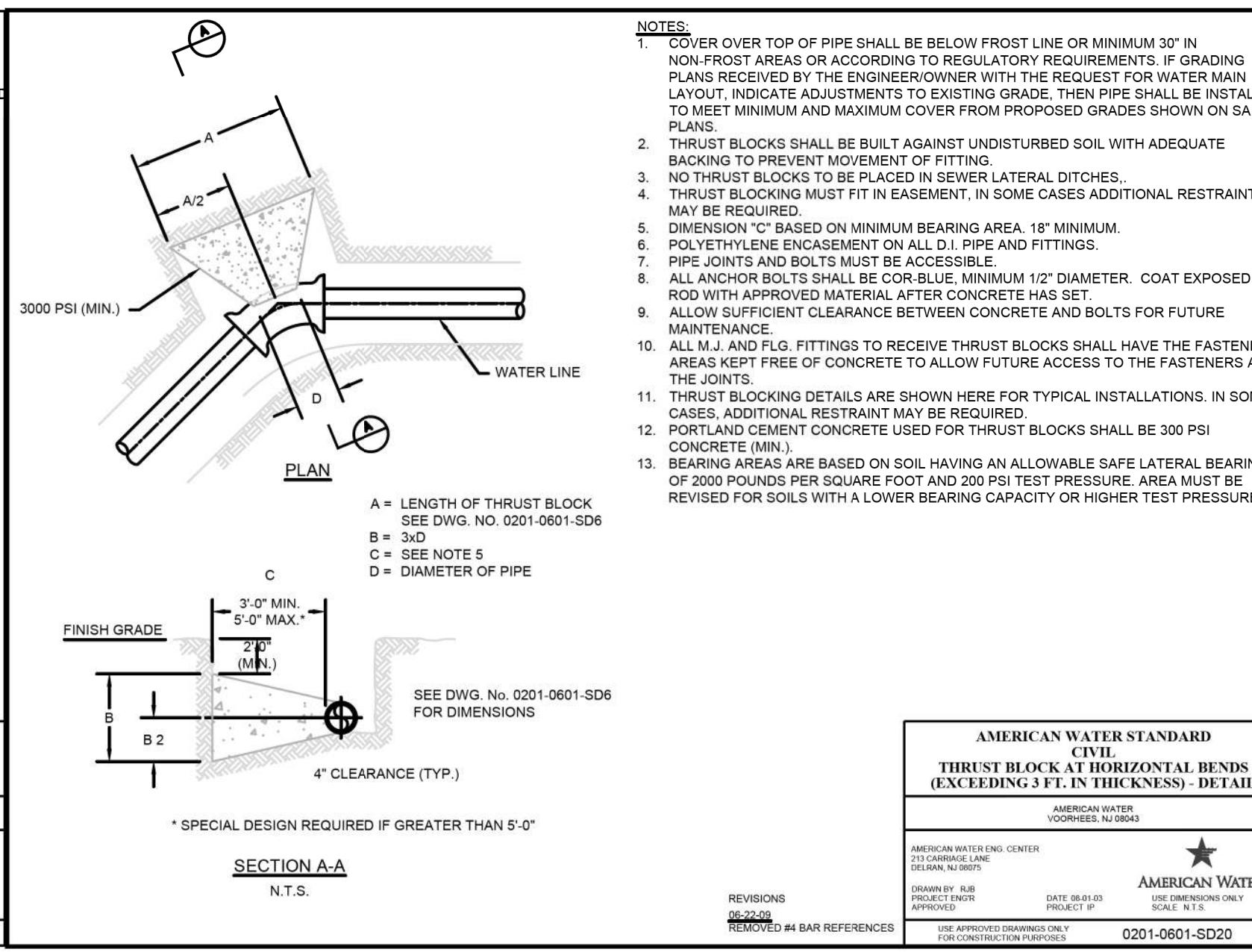
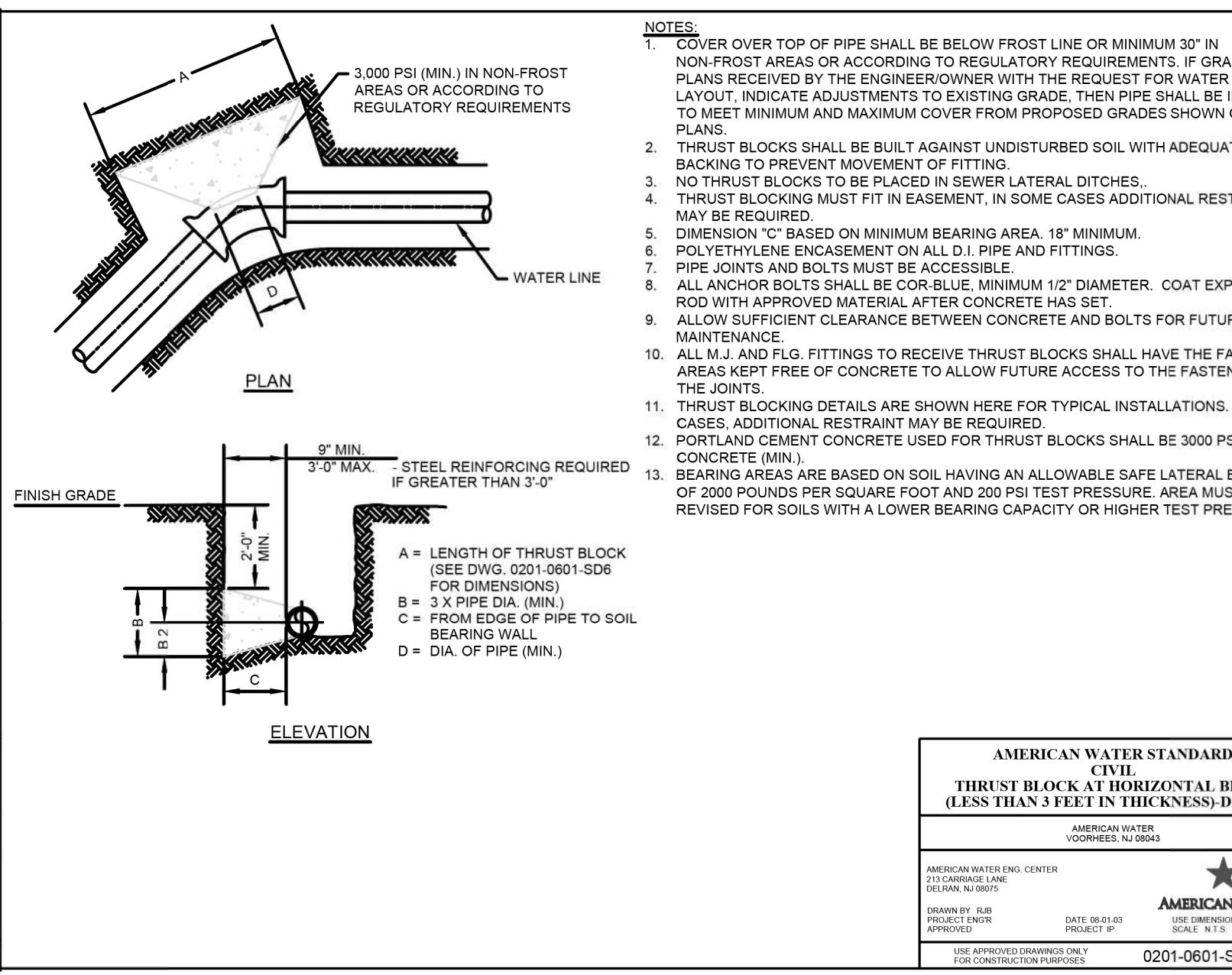
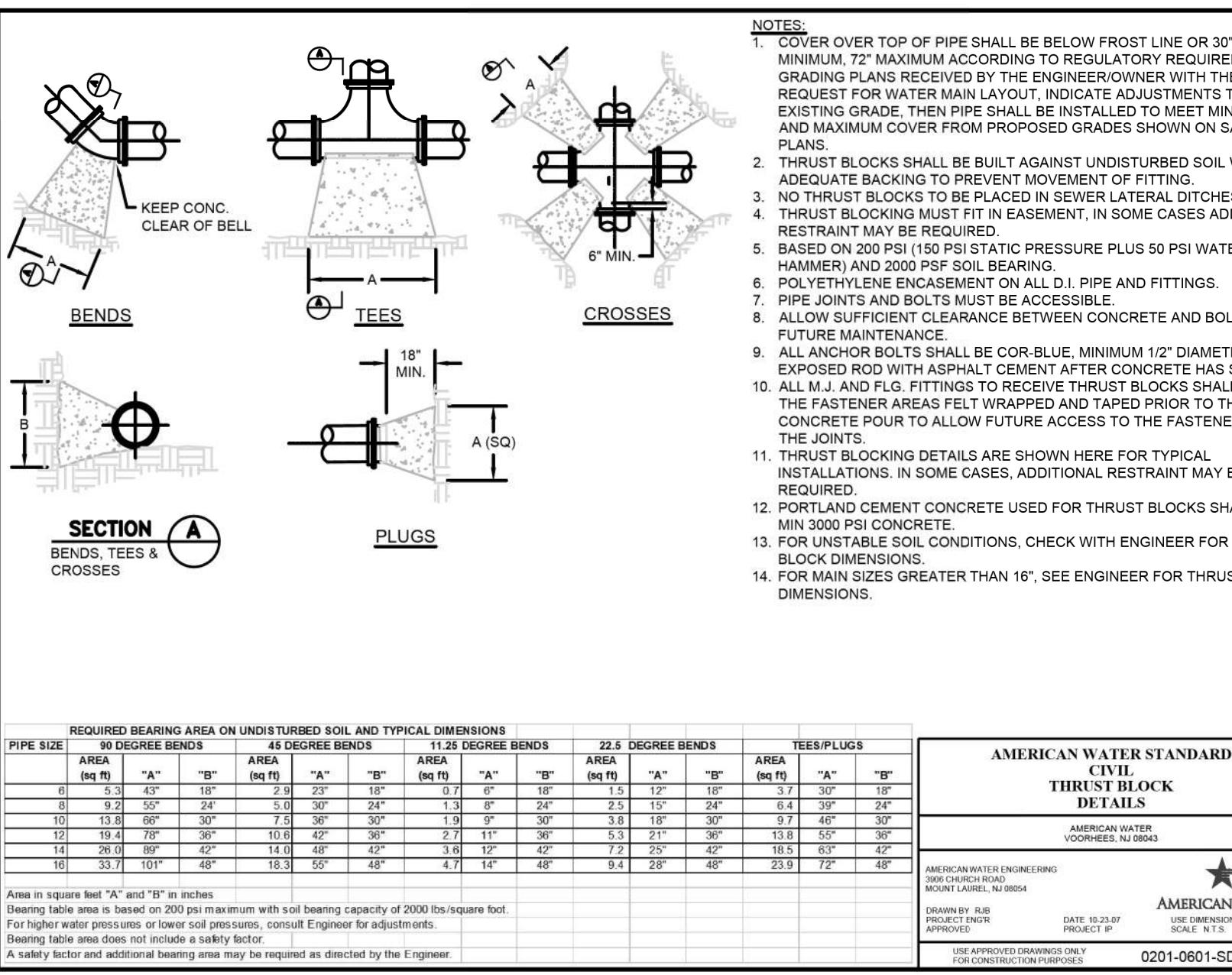
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	451	157
WESTERN AVE RECONSTRUCTION	CONTRACT NO.	89766		



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6594	16-00368-01-PV	PEORIA	451	158
WESTERN AVE RECONSTRUCTION	CONTRACT NO.	89766		



Construction Agreement between the City of Peoria and Illinois-American Water Company
Exhibit 2

Estimated "City" Water Main Cost

SP	Item Number	Item Description	Quantity	Unit	Est. Unit Cost	Est. Total Cost
	20800150	Trench Backfill	91	Cu Yd	\$ 50.00	\$ 4,550.00
*	56100020	Ductile Iron Water Main Tee, 8" X 8"	3	Each	\$ 350.00	\$ 1,050.00
*	56100055	Ductile Iron Water Main Tee, 12" X 8"	1	Each	\$ 375.00	\$ 375.00
*	56100065	Ductile Iron Water Main Tee, 12" X 12"	2	Each	\$ 400.00	\$ 800.00
*	56101148	Ductile Iron Water Main Reducer, 8" X 4"	1	Each	\$ 225.00	\$ 225.00
*	56101150	Ductile Iron Water Main Reducer, 8" X 6"	6	Each	\$ 250.00	\$ 1,500.00
*	56101160	Ductile Iron Water Main Reducer, 12" X 8"	1	Each	\$ 275.00	\$ 275.00
*	56102900	Ductile Iron Water Main 4"	6	Foot	\$ 65.00	\$ 390.00
*	56103000	Ductile Iron Water Main 6"	253	Foot	\$ 70.00	\$ 17,710.00
*	56103100	Ductile Iron Water Main 8"	2838	Foot	\$ 76.00	\$ 215,688.00
*	56103300	Ductile Iron Water Main 12"	818	Foot	\$ 80.00	\$ 65,440.00
*	56104900	Water Valves 6"	11	Each	\$ 1,800.00	\$ 19,800.00
*	56105000	Water Valves 8"	6	Each	\$ 2,000.00	\$ 12,000.00
*	56108710	Tapping Valves And Sleeves 4"	1	Each	\$ 4,129.00	\$ 4,129.00
*	56108800	Tapping Valves And Sleeves 6"	7	Each	\$ 4,500.00	\$ 31,500.00
*	56108900	Tapping Valves And Sleeves 8"	2	Each	\$ 5,000.00	\$ 10,000.00
*	56109100	Tapping Valves And Sleeves 12"	11	Each	\$ 6,500.00	\$ 71,500.00
*	56109420	Ductile Iron Water Main Fittings 8" 45.00 Degree Bend	47	Each	\$ 250.00	\$ 11,750.00
*	56109424	Ductile Iron Water Main Fittings 12" 45.00 Degree Bend	32	Each	\$ 300.00	\$ 9,600.00
*	56109430	Ductile Iron Water Main Fittings 4" 90.00 Degree Bend	1	Each	\$ 225.00	\$ 225.00
*	56109432	Ductile Iron Water Main Fittings 6" 90.00 Degree Bend	4	Each	\$ 250.00	\$ 1,000.00
*	56109434	Ductile Iron Water Main Fittings 8" 90.00 Degree Bend	6	Each	\$ 275.00	\$ 1,650.00
*	56109438	Ductile Iron Water Main Fittings 12" 90.00 Degree Bend	8	Each	\$ 350.00	\$ 2,800.00
*	56400600	Fire Hydrants	12	Each	\$ 5,000.00	\$ 60,000.00
	60218400	Manholes, Type A, 4'-Diameter, Type 1 Frame, Closed Lid	2	Each	\$ 3,100.00	\$ 6,200.00
*	TBD	Trench Backfill (Special)	1223	Cu Yd	\$ 80.00	\$ 97,840.00
*	TBD	Ductile Iron Water Main Anchor Tee, 8" X 6"	9	Each	\$ 325.00	\$ 2,925.00
*	TBD	Ductile Iron Water Main Anchor Tee, 8" X 8"	2	Each	\$ 350.00	\$ 700.00
*	TBD	Ductile Iron Water Main Anchor Tee, 12" X 6"	2	Each	\$ 400.00	\$ 800.00
*	TBD	Ductile Iron Water Main Anchor Tee, 12" X 8"	2	Each	\$ 400.00	\$ 800.00
*	TBD	Sanitary Sewer 15", Special	28	Foot	\$ 150.00	\$ 4,200.00
*	TBD	Sanitary Sewer 18", Special	29	Foot	\$ 150.00	\$ 4,350.00
*	TBD	Sanitary Sewer 24", Special	15	Foot	\$ 150.00	\$ 2,250.00
*	X0327747	Water Main Encasement	356	Foot	\$ 80.00	\$ 28,480.00
*	X0487850	Sanitary Sewer Removal 15"	28	Foot	\$ 50.00	\$ 1,400.00
*	X0323814	Sanitary Sewer Removal, 18"	29	Foot	\$ 25.00	\$ 725.00
*	X1200067	Sanitary Sewer Removal 24"	15	Foot	\$ 55.00	\$ 825.00
*	X5610651	Abandon Existing Water Main, Fill With CLSM	3517	Foot	\$ 10.00	\$ 35,170.00
				Subtotal		\$ 730,622.00
				Prorated Share of traffic control and mobilization items		\$ 49,423.00
				TOTAL ESTIMATED "CITY" WATER MAIN COST		\$ 780,045.00