

# CONSTRUCTION DRAWINGS

## TD-3: HIGH SERVICE LEVEL DISTRIBUTION MAIN REPLACEMENT (PHASE III)

SE1/4, SECTION 36, T.36N., R.6W., B.M.  
CITY OF LEWISTON, NEZ PERCE COUNTY, IDAHO

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### SURVEY CONTROL

1. City of Lewiston Survey Control Network 2006, Reference the Record of Survey filed under Instrument Number 738222 of Nez Perce County records for Control Point locations and information.

### AGENCY TELEPHONE NUMBERS

PUBLIC WORKS DEPARTMENT	208 746-1316
STREETS / TRAFFIC	208 791-2311
WASTEWATER	208 791-0986
AVISTA UTILITIES	208 798-1473
SPARKLIGHT	208 746-3325
CENTURYLINK	208 798-8380
DIGLINE UNDERGROUND UTILITY LOCATE	811

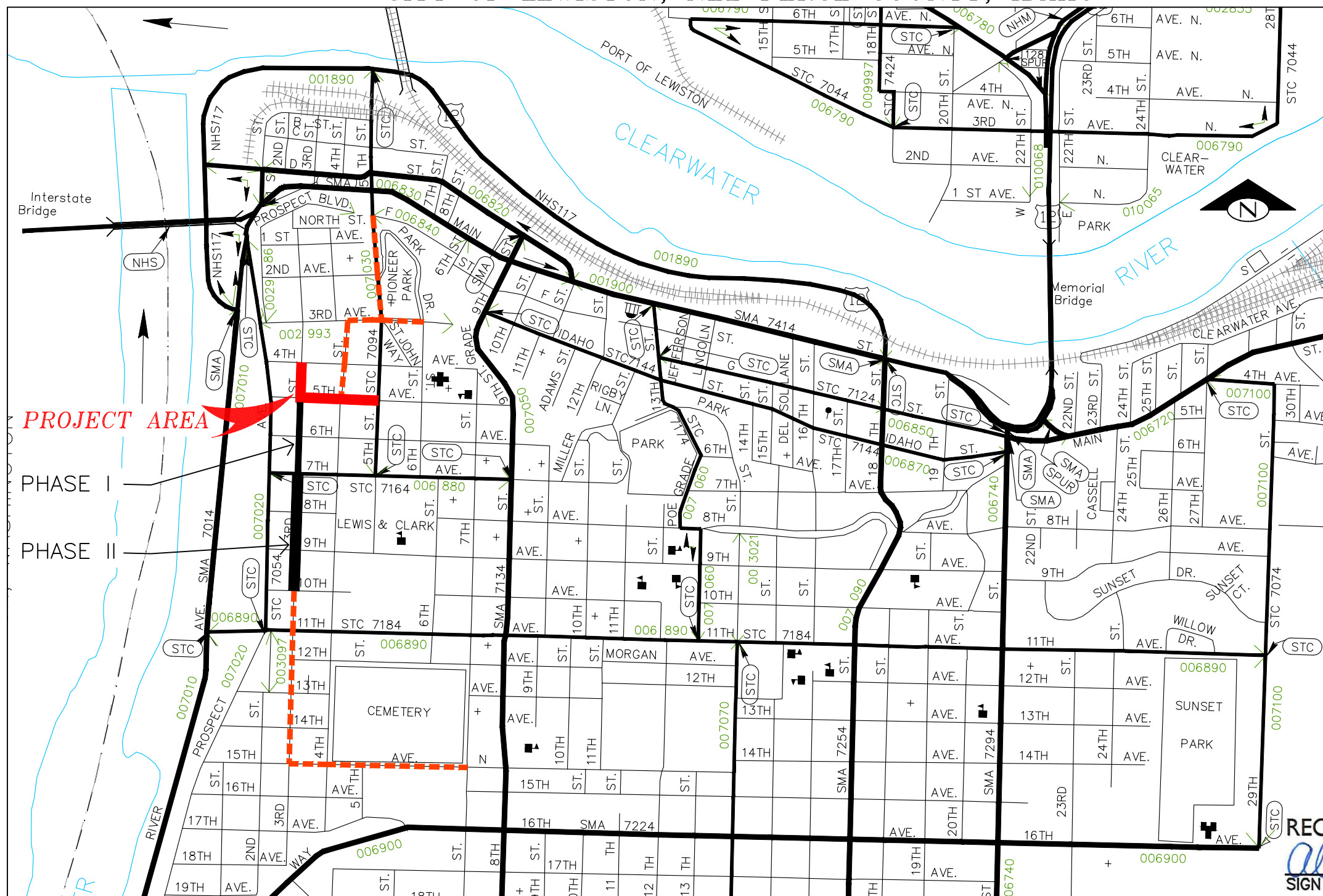


THE LOCATION OF EXISTING UTILITIES ON THESE PLANS ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION ONLY. THE CONTRACTOR SHALL PERFORM A SEPARATE INVESTIGATION IN THE FIELD TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UNDERGROUND UTILITIES. INFORMATION REGARDING THE LOCATION OF EXISTING UNDERGROUND UTILITIES CAN BE OBTAINED FROM CALLING DIG LINE AT 811.



RECORD DRAWING

*Alannah Bailey* 08/19/21  
SIGN DATE



### RECORD DRAWING

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### REVISIONS

NO.	DATE	DESCRIPTION	BY
1	6/09/2021	ASBUILT RED LINES	BDS

### RECORD DRAWING



215 "D" Street, Lewiston, ID 83501-1930  
Phone: 208-746-1316 Fax: 208-746-5595

### TD-3 DISTRIBUTION MAIN REPLACEMENT PHASE III - 5TH AVENUE 3RD TO 5TH ST.

### COVER AND SHEET INDEX

SCALE: 1" = 600'
DESIGNED BY: A.M.B.
DRAWN BY: B.D.S.
CHECKED BY: CREW
SHEET SET: WR503-P3
DATE: 03-03-2021
DRAWING NO.: C-1
SHEET 1 OF 9

File Name C:\Shared drives\Public Works CAPITAL\Water\_Distribution\WR503 PRP TD3 Inhouse\dwg\Production Drawings\PHASE-3\WR503-LEGEND-P3.dwg Printed 8/19/2021 1:44 PM By Bruce Stewart

LEGEND	
⊙ STORM DRAIN MANHOLE	⊙ SURVEY MONUMENT IN CASE
□ CATCH BASIN	⊕ CENTERLINE MONUMENT
⊙ SANITARY SEWER MANHOLE	⊕ PROPERTY PIN
⊗ GAS VALVE	⊕ ELECTRIC VAULT
⊗ GATE VALVE	⊕ POWER POLE
⊗ FIRE HYDRANT	⊕ LIGHT POLE
⊕ <sup>WM</sup> WATER METER	→ GUY ANCHOR
□ IRRIGATION CONTROL BOX	⊕ TELEPHONE PEDESTAL
⊗ <sup>RV</sup> IRRIGATION VALVE	⊕ TELEPHONE MANHOLE / VAULT
⊕ WATER MANHOLE	
⊗ WATER VAULT	

---	CENTERLINE
---W---	RIGHT-OF-WAY
---	EXISTING WATERLINE
---	EXISTING LOID DOMESTIC WATERLINE (SIZE)
---	EXISTING LOID IRRIGATION LINE (SIZE)
---	EXISTING SANITARY SEWER
---	EXISTING GAS
---	EXISTING TELEPHONE
---	EXISTING FIBER OPTIC
---	EXISTING STORM DRAIN
---	EXISTING UG POWER
---	EXISTING CONCRETE/SIDEWALK
---	EXISTING CURB & GUTTER
	REMOVAL OF BITUMINOUS SURFACE / TYPE "P" SURFACE RESTORATION AREA
	PROPOSED CURB & GUTTER
	PROPOSED WATERLINE

**CONSTRUCTION NOTES**

GENERAL:

- ALL CONSTRUCTION WORK SHALL CONFORM TO THE CITY OF LEWISTON STANDARD DRAWINGS AND THE 2017 IDAHO STANDARDS SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (ISPMC). IN THE CASE OF CONFLICT, THE PROJECT PLANS AND TECHNICAL SPECIFICATIONS WILL PREVAIL OVER CITY STANDARDS, WHICH WILL PREVAIL OVER ISPMC.
- A CITY RIGHT-OF-WAY PERMIT IS REQUIRED FOR ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
- WORK SUBJECT TO APPROVAL MUST BE APPROVED PRIOR TO (A) BACKFILLING TRENCHES FOR PIPE; (B) PLACING OF AGGREGATE BASE; (C) PLACING OF CONCRETE; (D) PLACING OF ASPHALT PAVING.
- INSPECTION, APPROVAL AND FINAL ACCEPTANCE OF ALL CONSTRUCTION SHALL BE BY THE PUBLIC WORKS DEPARTMENT, AND THEIR DECISION SHALL BE FINAL. SUCH INSPECTION SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF PERFORMING THE WORK IN AN ACCEPTABLE MANNER IN ACCORDANCE WITH THE APPROVED CONSTRUCTION PLANS.
- CONTRACTORS SHALL BE RESPONSIBLE FOR COORDINATING WITH AFFECTED FRANCHISE UTILITIES DURING CONSTRUCTION.
- PROPERTIES IMPACTED BY CONSTRUCTION ACTIVITIES SHALL BE NOTIFIED A MINIMUM OF TWO (2) DAYS PRIOR TO DISRUPTING THEIR WATER SERVICE OR ACCESS TO THEIR PROPERTY.
- UNDERGROUND UTILITIES SHALL BE VERIFIED BY NOTIFYING THE ONE CALL (811) THREE (3) WORKING DAYS IN ADVANCE OF PERFORMING EXCAVATION WORK. PROTECT UTILITY MARKINGS DURING CONSTRUCTION. DETERMINE BY HAND DIGGING, IN THE AREA (24 INCHES) OR LESS FROM THE FACILITIES, THE PRECISE ACTUAL LOCATIONS OF UNDERGROUND FACILITIES THAT HAVE BEEN MARKED. COMPLY WITH SECTION 55-2201 OF IDAHO CODE ENTITLED "UNDERGROUND FACILITIES DAMAGE PREVENTION".
- CONTRACTOR MUST SUBMIT A TRAFFIC CONTROL PLAN AT LEAST 5 WORKING DAY IN ADVANCE OF ANTICIPATED START DATE. APPROVAL OF THE TRAFFIC CONTROL PLAN IS REQUIRED BEFORE WORK BEGINNING ANY WORK.

WATER:

- CONSTRUCTION OF POTABLE WATER LINES SHALL CONFORM TO THE STANDARDS IN THE "IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS (IDAPA 58.01.08)", WHICH IN CASE OF CONFLICT PREVAILS OVER THE STANDARDS REFERENCED IN GENERAL CONDITIONS NOTE NO. 1.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING WATER USERS PRIOR TO DISRUPTING SERVICE. NO USER SHALL BE WITHOUT WATER SERVICE OVERNIGHT OR FOR MORE THAN 4 HOURS DURING NORMAL BUSINESS HOURS.
- ALL WATER WORKS COMPONENTS SHALL BE ANS/NSF 61 CERTIFIED, AND MUST MEET ALL AMERICAN WATER WORKS ASSOCIATION (AWWA) AND STANDARD REQUIREMENTS OF IDAPA 58.01.08.
- THE NEW WATER MAIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS AND STANDARDS REFERENCED IN GENERAL CONDITIONS NOTE NO. 1. ALL WORK SHALL BE SUBJECT TO ACCEPTANCE BY THE CITY OF LEWISTON PURSUANT TO THE ENGINEERING DEPARTMENT'S CURRENT INSPECTION CHECKLIST.
- FLUSHING AND DISINFECTION SHALL BE BY THE CITY WATER DIVISION PER ISPMC 401.3.9 AND IN ACCORDANCE AWWA C651.
- PRESSURE AND LEAKAGE TEST SHALL BE PER ISPMC 401.3.6 AND IN ACCORDANCE WITH AWWA C600.
- ALL FITTINGS AND VALVES SHALL HAVE MJ JOINTS UNLESS MULTIPLE FITTINGS AND/OR VALVES ARE TOGETHER IN A SINGLE ASSEMBLY, IN WHICH CASE, COMMON JOINTS BETWEEN THEM SHALL BE FLANGED. MJ TO MJ CONNECTIONS SHALL INCLUDE A FOSTER ADAPTER IN BETWEEN. ALL FITTINGS SHALL HAVE RESTRAINED JOINTS. NOTIFY THE ENGINEER IF ADDITIONAL HORIZONTAL OR VERTICAL FITTINGS ARE NECESSARY.

ROADWAY:

- ALL ASPHALT JOINTS SHALL BE SAW CUT UNLESS SPECIFICALLY NOTED OTHERWISE IN THE DRAWINGS.
- ALL ASPHALT SURFACES AND ADJACENT PAVEMENT, LONGITUDINAL JOINTS, EDGES OF SURFACE UTILITIES AND CURB EDGES SHALL BE TACKED.
- ALL UTILITIES IN THE PUBLIC RIGHT-OF-WAY SHALL BE ADJUSTED TO MATCH FINISH GRADE. CUTTING AND PAVEMENT PATCHING IS NOT ALLOWED. IF ADJUSTED PRIOR TO PAVING THE UTILITY MUST BE PAVED AROUND. IF ADJUSTED AFTER PAVING CONCRETE COLLARS CONFORMING TO CITY STANDARD DRAWINGS 1-10 AND 5-6 ARE REQUIRED.

PUBLIC SURVEY MONUMENT:

ALL PUBLIC AND PRIVATE LAND SURVEY MONUMENTS DISTURBED BY CONSTRUCTION ACTIVITIES MUST BE REFERENCED BY AN IDAHO LICENSED PROFESSIONAL LAND SURVEYOR PRIOR TO DISTURBANCE. ANY DISTURBED PUBLIC AND PRIVATE MONUMENTS SHALL BE RE-ESTABLISHED BY AN IDAHO LICENSED PROFESSIONAL LAND SURVEYOR BEFORE PROJECT COMPLETION. IF MONUMENTS ARE FOUND DURING CONSTRUCTION THAT ARE NOT SHOWN ON THE CONSTRUCTION ON PLANS, THE MONUMENTS MUST BE REFERENCED AND RE-ESTABLISHED BY AN IDAHO LICENSED PROFESSIONAL LAND SURVEYOR. SECTION CORNER MONUMENTS DISTURBED AND REESTABLISHED AFTER CONSTRUCTION SHALL HAVE CORNER RECORDS COMPLETED AND RECORDED AT THE NEZ PERCE COUNTY RECORDERS OFFICE.

**QUANTITY SUMMARY**

ITEM NO.	TAG	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY
201.4.1.D.1	1	Removal of Bituminous Surface	SY	1,006
201.4.1.E.1	2	Removal of Curb	LF	0
201.4.1.F.1	3	Removal Water Main & Appurtenances	EA	10
401.4.1.A.1	4	Water Main Pipe - 4" C900, DR18	LF	24
401.4.1.A.2	5	Water Main Pipe - 6" Ductile Iron CL 350	LF	5
401.4.1.A.4	7	Water Main Pipe - 8" C900, DR18	LF	758
401.4.1.A.5	8	Water Main Pipe - 12" C900, DR18	LF	417
401.4.1.B.1	9	Water Main Fitting - 4"	EA	6
401.4.1.B.2	10	Water Main Fitting - 6"	EA	2
401.4.1.B.3	11	Water Main Fitting - 8"	EA	12
401.4.1.B.5	13	Water Main Fitting - 12"	EA	9
401.4.1.C.1	15	Connect to Existing - 4"	EA	2
401.4.1.C.2	16	Connect to Existing - 6"	EA	1
401.4.1.C.3	17	Connect to Existing - 8"	EA	2
401.4.1.C.5	19	Connect to Existing - 12"	EA	1
402.4.1.A.1	20	Valve - 6" Gate	EA	1
402.4.1.A.2	21	Valve - 8" Gate	EA	9
402.4.1.A.3	22	Valve - 12" Gate	EA	2
403.4.1.A.1	14	Hydrant	EA	1
404.4.1.A.1	23	Water Service Connection - 3/4"	EA	22
404.4.1.A.2	24	Water Service Connection - 1"	EA	1
404.4.1.B.1	25	Water Service Pipe - 3/4"	LF	457
404.4.1.B.2	26	Water Service Pipe - 1"	LF	27
706.4.1.A.5	27	Standard 6-Inch Vertical Curb and Gutter	LF	0
810.4.1.A.3	28	Plant Mix Pavement, 3" thk, SP-3, PG 58-28, 1/2" Agg.	SY	1,006
1103.4.1.A.1		Construction Traffic Control	LS	1
2010.4.1.A.1		Mobilization	LS	1
SP1	29	Sewer Main Crossing	EA	2
SP2		Construction Surveying	LS	1

**RECORD DRAWING**

*Alannah Bailey* 08/19/21  
SIGN DATE



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**RECORD DRAWING**



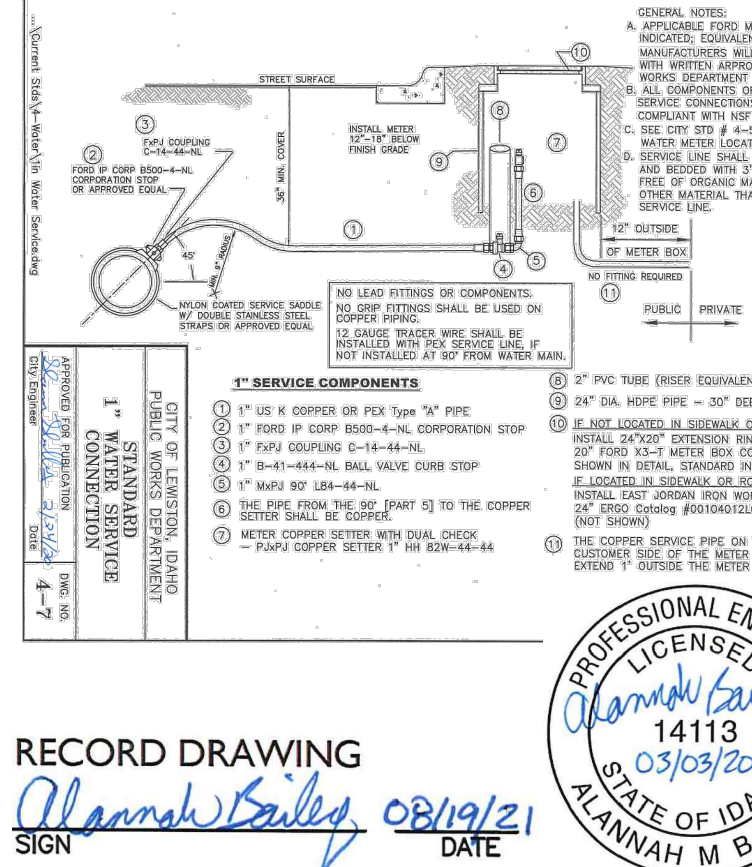
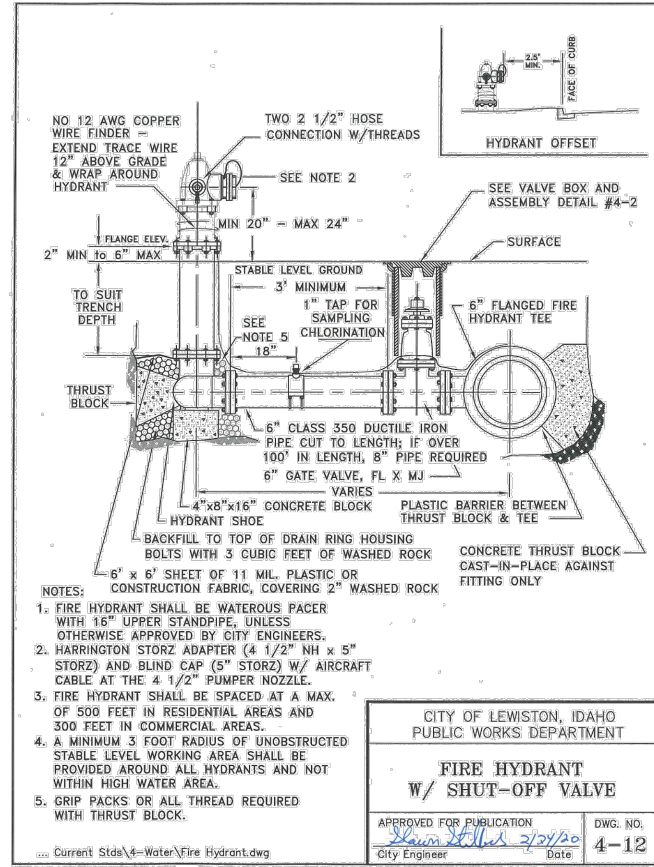
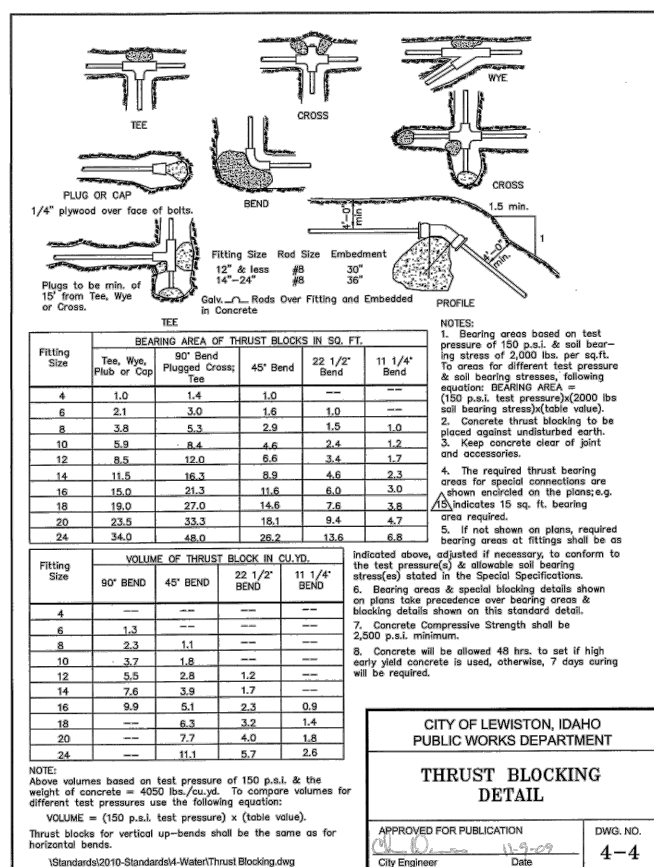
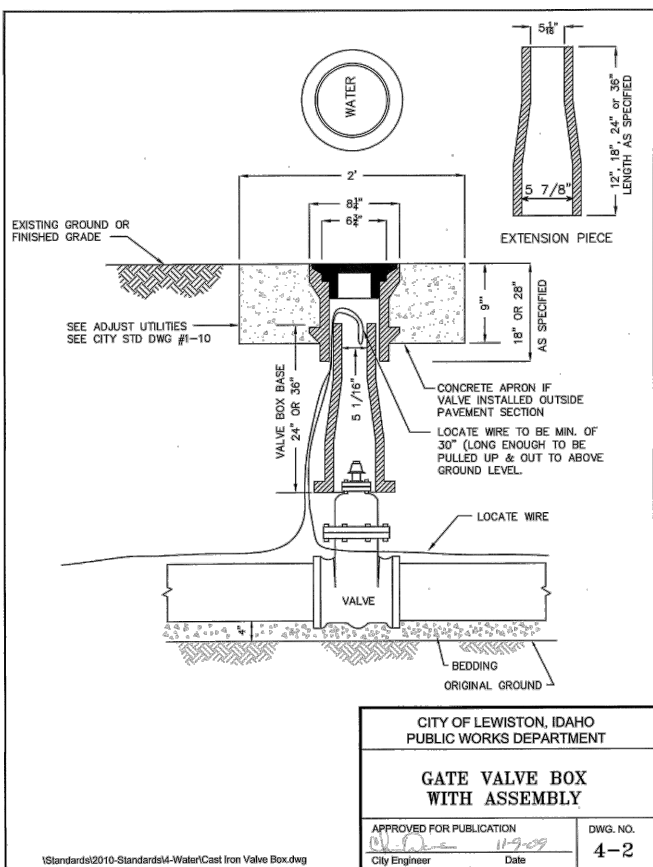
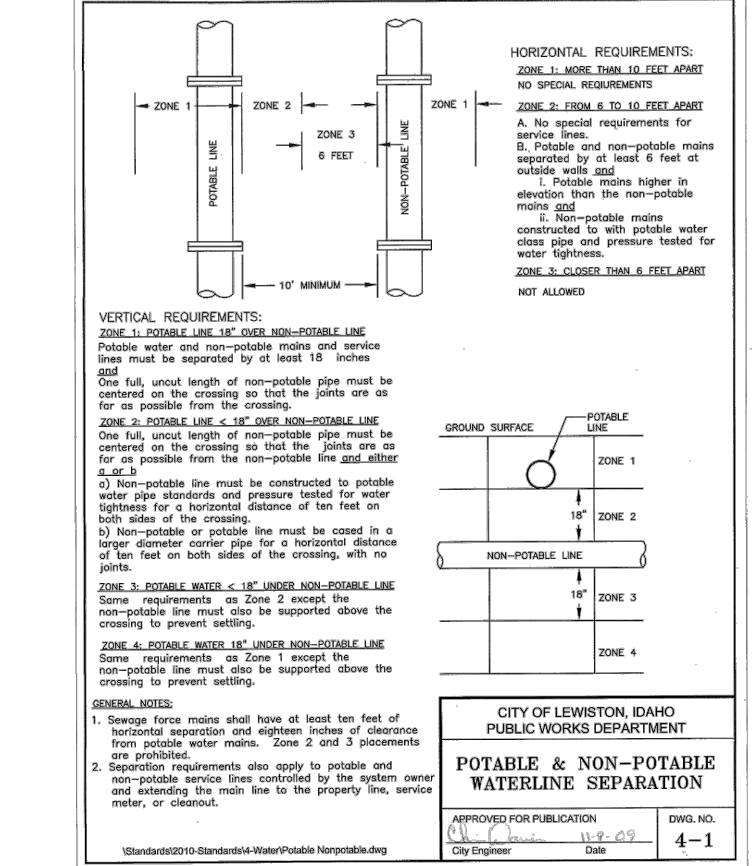
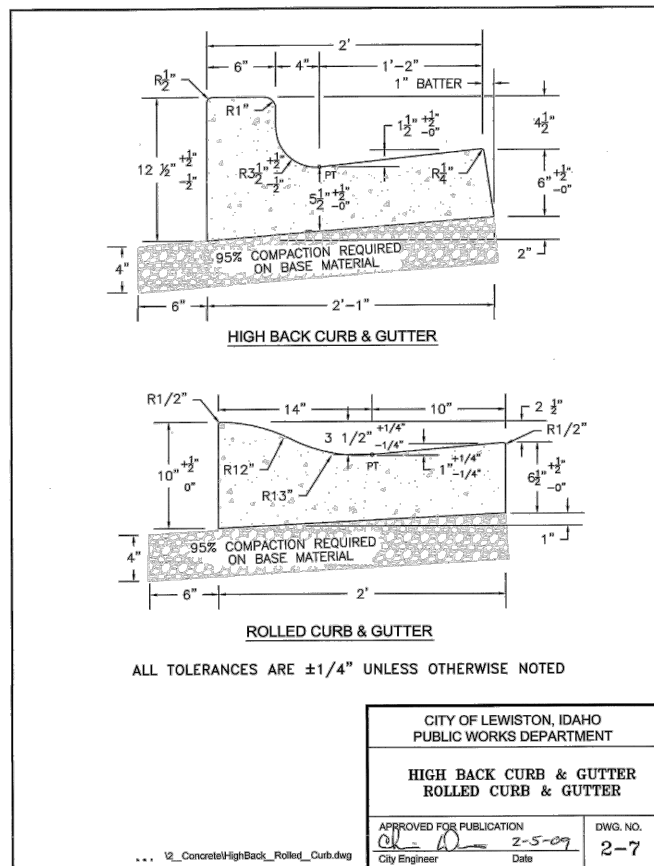
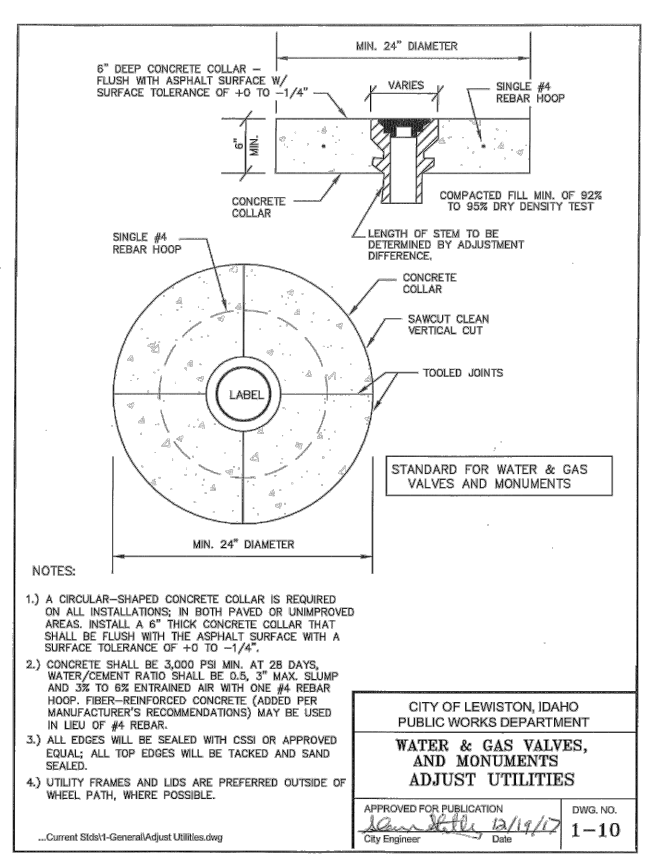
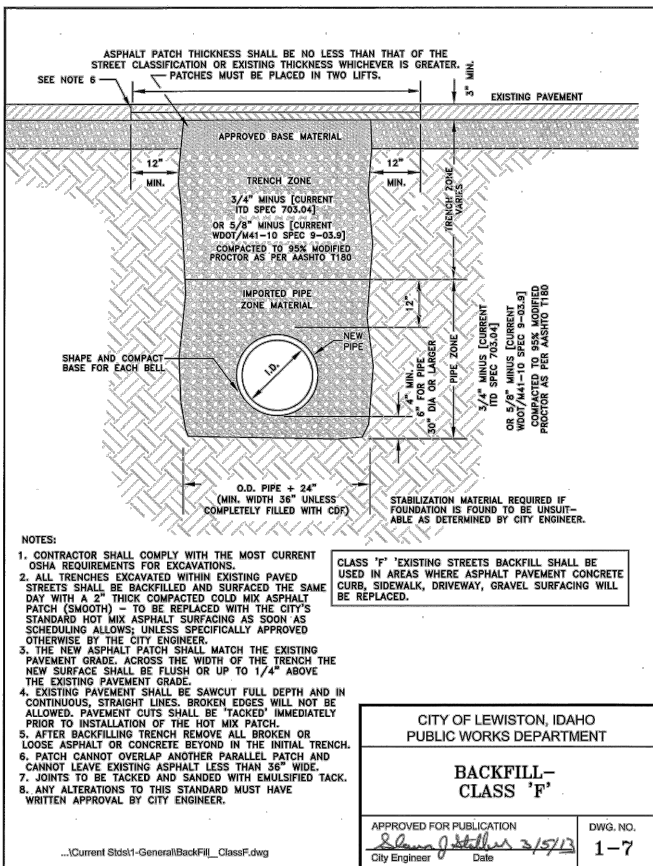
215 "D" Street, Lewiston, ID 83501-1930  
Phone: 208-746-1316 Fax: 208-746-5595

**TD-3 DISTRIBUTION MAIN REPLACEMENT  
PHASE III - 5TH AVENUE 3RD TO 5TH ST.**

**LEGEND, GENERAL NOTES & QUANTITY SUMMARY**

SCALE: N/A
DESIGNED BY: A.M.B.
DRAWN BY: B.D.S.
CHECKED BY: CREW
SHEET SET: WR503-P3
DATE: 03-03-2021
DRAWING NO.: C-2
SHEET 2 OF 9

File Name C:\Shared drives\Public Works CAPITAL\Water\_Distribution\WR503-PRP TD3 Inhouse\dwg\Production Drawings\PHASE-3\WR503-LEGEND-P3.dwg Printed 8/19/2021 1:44 PM By Bruce Stewart



**RECORD DRAWING**

*Alannah Bailey* 08/19/21

**SIGN DATE**

**PROFESSIONAL ENGINEER LICENSED 14113 03/03/2008 ALANNAH M BAILEY STATE OF IDAHO**

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**CITY OF LEWISTON PUBLIC WORKS DEPARTMENT 1861**

215 "D" Street, Lewiston, ID 83501-1930  
Phone: 208-746-1316 Fax: 208-746-5595

**TD-3 DISTRIBUTION MAIN REPLACEMENT PHASE III - 5TH AVENUE 3RD TO 5TH ST.**

**DETAILS**

SCALE: N/A

DESIGNED BY: A.M.B.

DRAWN BY: B.D.S.

CHECKED BY: CREW

SHEET SET: WR503-P3

DATE: 03-03-2021

DRAWING NO.: C-3

SHEET 3 OF 9

File Name: C:\Shared drives\Public Works CAPITAL\Water\_Distribution\WR503 PRP TD3 Inhouse\dwg\Source Drawings\Pressure Networks\IP-WA-TR.dwg Printed 8/19/2021 1:44 PM By Bruce Stewart

Fitting Table

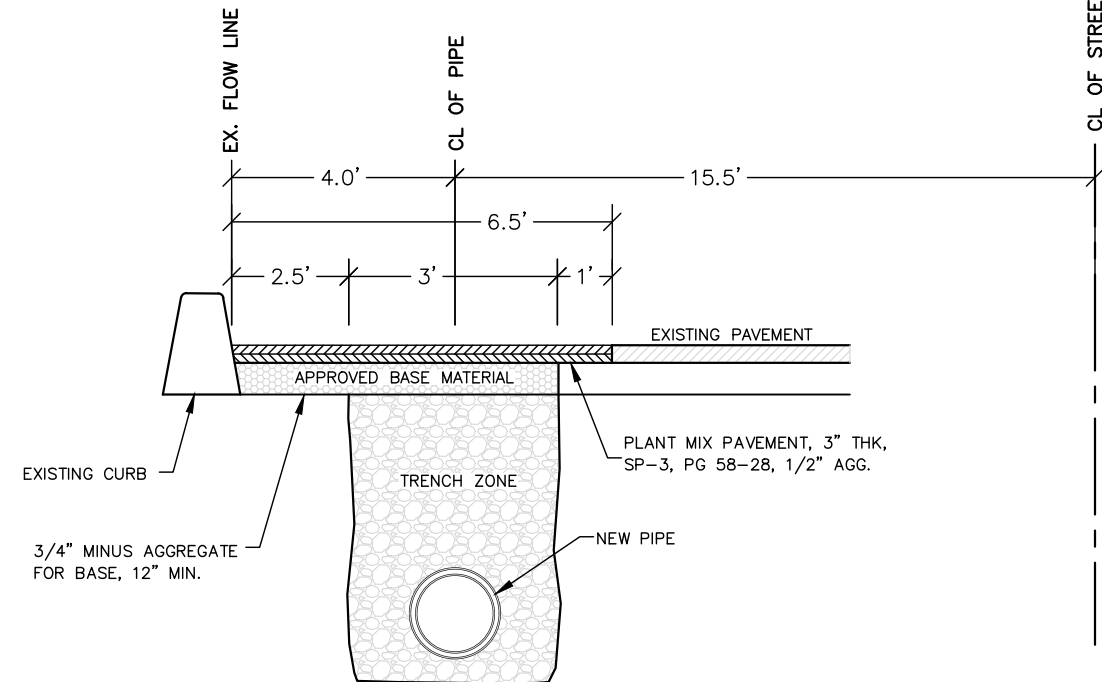
TAG	STATION	OFFSET	DESCRIPTION	NORTHING	EASTING	CL ELEV.
F-48	0+86.99	0.00	6" MJ SLEEVE	1734055.87	2301871.41	817.70
F-49	0+88.08	0.00	8" x 6" REDUCER	1734054.79	2301871.40	817.70
F-50	0+91.74	0.00	8" MJ 45 ELL	1734051.12	2301871.36	817.70
F-51	1+27.83	-1.03	8" MJ 45 ELL	1734024.84	2301896.70	817.65
F-51A	70+01.11	-23.86	8" MJ 22 ELL	1733726.58	2301891.24	815.62
F-51B	70+00.05	-21.33	8" MJ 22 ELL	1733724.06	2301890.13	815.62
F-52	70+00.00	-1.58	12" x 8" FL REDUCER	1733704.32	2301889.77	815.40
F-53	4+50.00	0.00	12" FL CROSS	1733702.73	2301889.75	815.40
F-54	69+98.42	0.00	12" x 8" FL REDUCER	1733702.76	2301888.16	815.40
F-55	69+95.15	0.00	8" MJ CAP	1733702.81	2301884.90	815.40
F-56	4+59.29	0.00	12" MJ 11 ELL	1733693.45	2301889.58	815.40
F-57	4+69.65	0.00	12" MJ 11 ELL	1733683.26	2301891.43	815.40
F-58	73+78.04	0.00	12" FL CROSS	1733696.72	2302267.73	830.80
F-59	73+78.03	-22.95	12" x 4" REDUCER	1733719.66	2302268.09	831.00
F-60	73+78.03	-25.64	4" MJ 45 ELL	1733722.36	2302268.13	831.00
F-61	73+87.09	-34.72	4" MJ 45 ELL	1733731.28	2302277.34	830.45
F-62	73+87.16	-36.00	4" MJ SLEEVE	1733732.56	2302277.43	830.45
F-63	73+78.03	1.58	12" x 8" FL REDUCER	1733695.13	2302267.71	830.80
F-64	73+78.03	27.03	8" x 4" REDUCER	1733669.69	2302267.30	831.15
F-65	73+78.03	30.60	4" MJ 45 ELL	1733666.12	2302267.25	831.15
F-66	73+84.01	36.57	4" MJ 45 ELL	1733660.05	2302273.12	830.20
F-67	73+83.99	37.89	4" MJ SLEEVE	1733658.73	2302273.09	830.20
F-68	73+79.62	0.00	12" x 8" FL REDUCER	1733696.69	2302269.32	830.80
F-69	74+07.84	0.00	8" x 6" MJ x FL TEE	1733696.24	2302297.53	830.85
F-70	77+52.66	0.00	8" x 8" FL CROSS	1733690.75	2302642.32	838.10
F-71	77+57.69	0.00	8" MJ CAP	1733690.67	2302647.34	838.10
F-72	77+52.66	-3.26	8" ROMAC 501	1733694.01	2302642.37	838.10
F-73	77+52.66	3.36	8" ROMAC 501	1733687.39	2302642.26	838.10
F-74	77+50.78	28.52	8" MJ CAP	1733662.27	2302639.98	838.10
F-75	69+71.09	27.09	6" MJ CAP	1733676.10	2301860.41	814.70
F-76	70+04.85	28.91	8" MJ CAP	1733673.75	2301894.14	816.54

Pressure Pipe Table

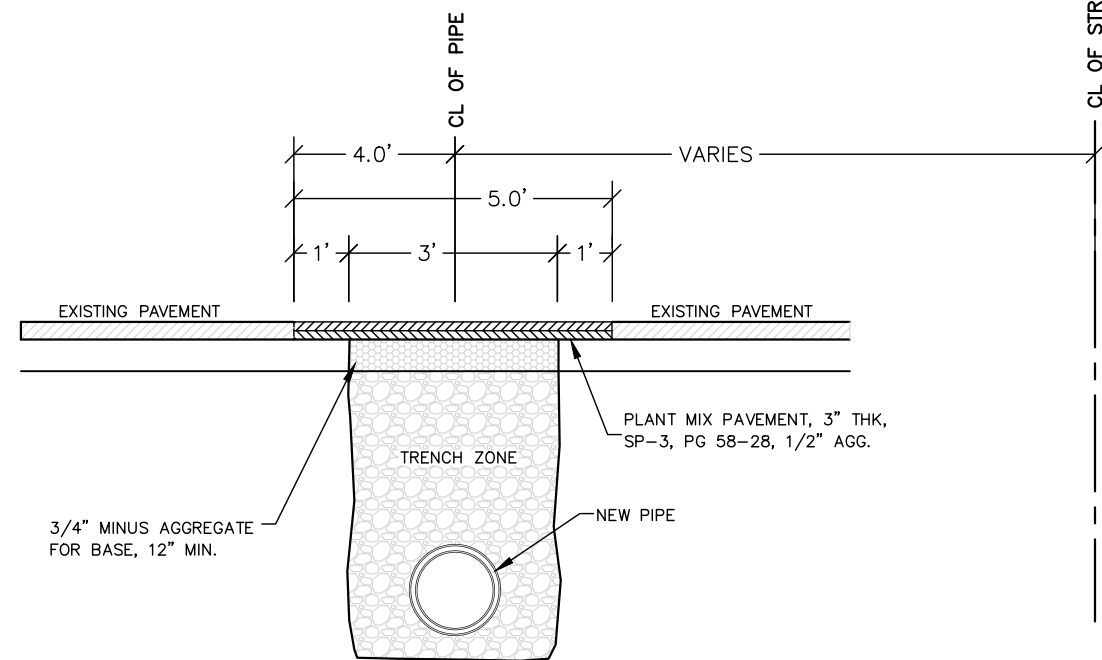
TAG	Length	DESCRIPTION
P-43	0.75	8" C900 DR 18
P-44	0.99	8" C900 DR 18
P-45	35.59	8" C900 DR 18
P-46	159.33	8" C900 DR 18
P-47	62.38	8" C900 DR 18
P-48	75.68	8" C900 DR 18
P-49	7.67	12" C900 DR 18
P-50	9.11	12" C900 DR 18
P-51	4.85	12" C900 DR 18
P-52	1.65	8" C900 DR 18
P-53	172.75	12" C900 DR 18
P-54	202.03	12" C900 DR 18
P-55	19.78	12" C900 DR 18
P-56	1.44	4" C900 DR 18
P-57	12.16	4" C900 DR 18
P-58	23.04	8" C900 DR 18
P-59	2.45	4" C900 DR 18
P-60	7.78	4" C900 DR 18
P-61	25.86	8" C900 DR 18
P-62	4.57	6" DI CLASS 350
P-63	116.41	8" C900 DR 18
P-64	225.89	8" C900 DR 18
P-65	3.25	8" C900 DR 18
P-66	1.19	8" C900 DR 18
P-67	1.29	8" C900 DR 18

Appurtenance Table

TAG	STATION	OFFSET	DESCRIPTOPN	NORTHING	EASTING	CL ELEV.
A-18	0+89.96	0.00	8" MJ GV	1734052.91	2301871.38	817.70
A-19	70+00.00	-2.68	8" FL x MJ GV	1733705.41	2301889.79	815.40
A-20	69+97.32	0.00	8" FL x MJ GV	1733702.78	2301887.07	815.40
A-21	70+01.62	0.00	12" FL x MJ GV	1733702.71	2301891.37	815.40
A-22	73+78.04	-1.63	12" FL x MJ GV	1733698.34	2302267.76	831.15
A-23	73+78.03	2.68	8" FL x MJ GV	1733694.04	2302267.69	830.80
A-24	73+80.71	0.00	8" FL x MJ GV	1733696.67	2302270.41	830.80
A-25	74+07.84	-1.19	6" FL GV	1733697.43	2302297.55	831.70
A-26	74+07.84	-6.63	4' BURY HYDRANT	1733702.87	2302297.64	831.70
A-27	77+51.40	0.00	8" FL x MJ GV	1733690.77	2302641.05	838.10
A-28	77+52.66	-1.26	8" FL x MJ GV	1733692.02	2302642.34	838.10
A-29	77+52.66	1.26	8" FL x MJ GV	1733689.49	2302642.30	838.10
A-30	77+53.93	0.00	8" FL x MJ GV	1733690.73	2302643.58	838.10



TYPICAL SECTION (PATCH BACK WITH CURB)



TYPICAL SECTION (PATCH BACK, INTERSECTIONS)

RECORD DRAWING

*Alannah Bailey* 08/19/21  
SIGN DATE



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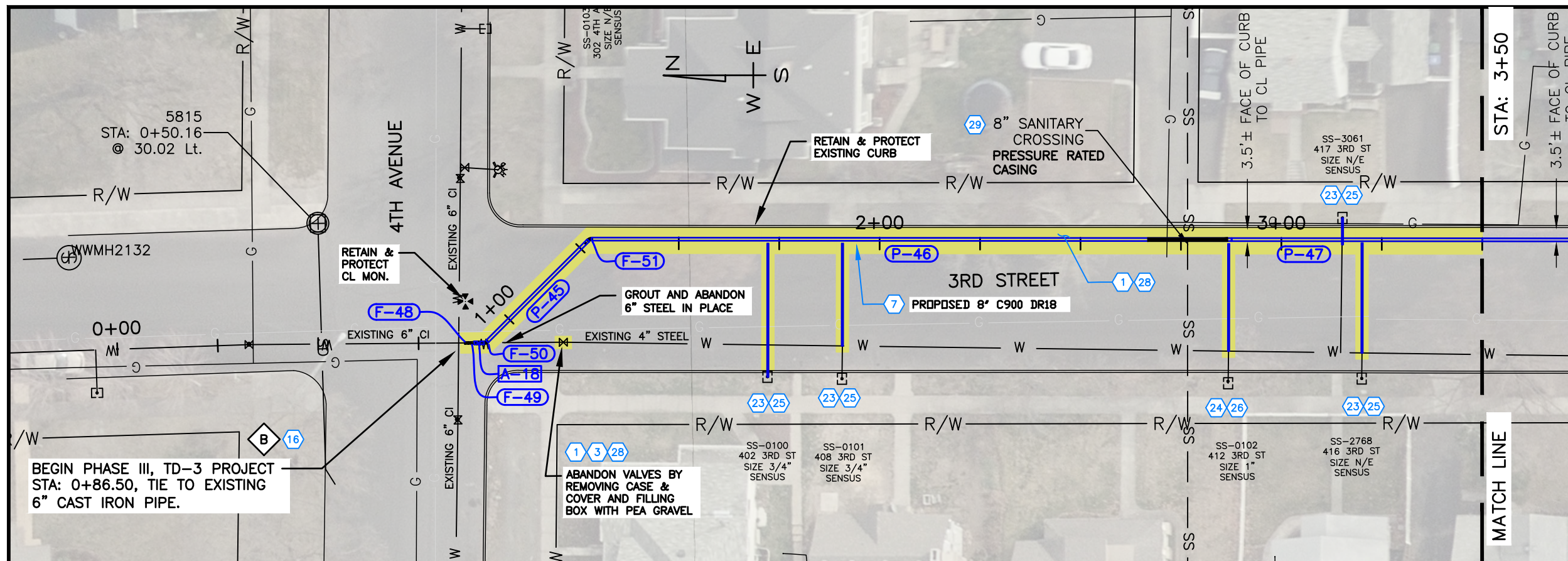
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TD-3 DISTRIBUTION MAIN REPLACEMENT  
PHASE III - 5TH AVENUE 3RD TO 5TH ST.

OVERALL PARTS LIST & PATCH BACK DETAILS

SCALE: N/A  
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File Name C:\Shared drives\Public Works CAPITAL\Water\_Distribution\WR503 PRP TD3 Inhouse\dwg\Production Drawings\PHASE-3\WR503-ASBUILT-PLANS-P3-3RD.dwg Printed 8/19/2021 1:48 PM By Bruce Stewart



BEGIN PHASE III, TD-3 PROJECT  
STA: 0+86.50, TIE TO EXISTING  
6" CAST IRON PIPE.

**SPECIAL NOTES**

- A Abandon inactive service line in place.
- B Connect to existing pipe as directed by the project engineer.

PAY ITEMS	QUANTITY
1 Removal of Bituminous Surface, Item 201.4.1.D.1	221 S.Y.
2 Removal of Curb, Item 201.4.1.E.1	0 L.F.
3 Removal of Water Main & Appurtenances, Item 201.4.1.F.1	1 L.F.
7 Water Main Pipe - 8" C900 DR18 Type, Item 401.4.1.A.4	259 L.F.
10 Water Main Fitting - 6" (See Fitting Table This Sheet), Item 402.4.1.B.2	1 EA.
11 Water Main Fitting - 8" (See Fitting Table This Sheet), Item 402.4.1.B.3	3 EA.
16 Connect to Existing Main - 6", Item 401.4.1.C.2	1 EA.
21 Valve - Size 8", (See Appurtenance Table This Sheet), Item 402.4.1.A.2	1 EA.
23 Water Service Connection, 3/4", Item 404.4.1.A.1	4 EA.
24 Water Service Connection, 1", Item 404.4.1.A.2	1 EA.
25 Water Service Pipe 3/4", (See Profile this sheet for length), Item 404.4.1.B.1	92 L.F.
26 Water Service Pipe 1", (See Profile this sheet for length), Item 404.4.1.B.2	27 L.F.
27 Standard 6-inch Vertical Curb and Gutter, Item 706.4.1.A.5	0 L.F.
28 Plant Mix Pavement, 3" thk, SP-3, PG 58-28, 1/2" Gradation, Item 810.4.1.A.3	221 S.Y.
29 Sewer Main Crossing, Item SP-1	1 EA.

**Appurtenance Table**

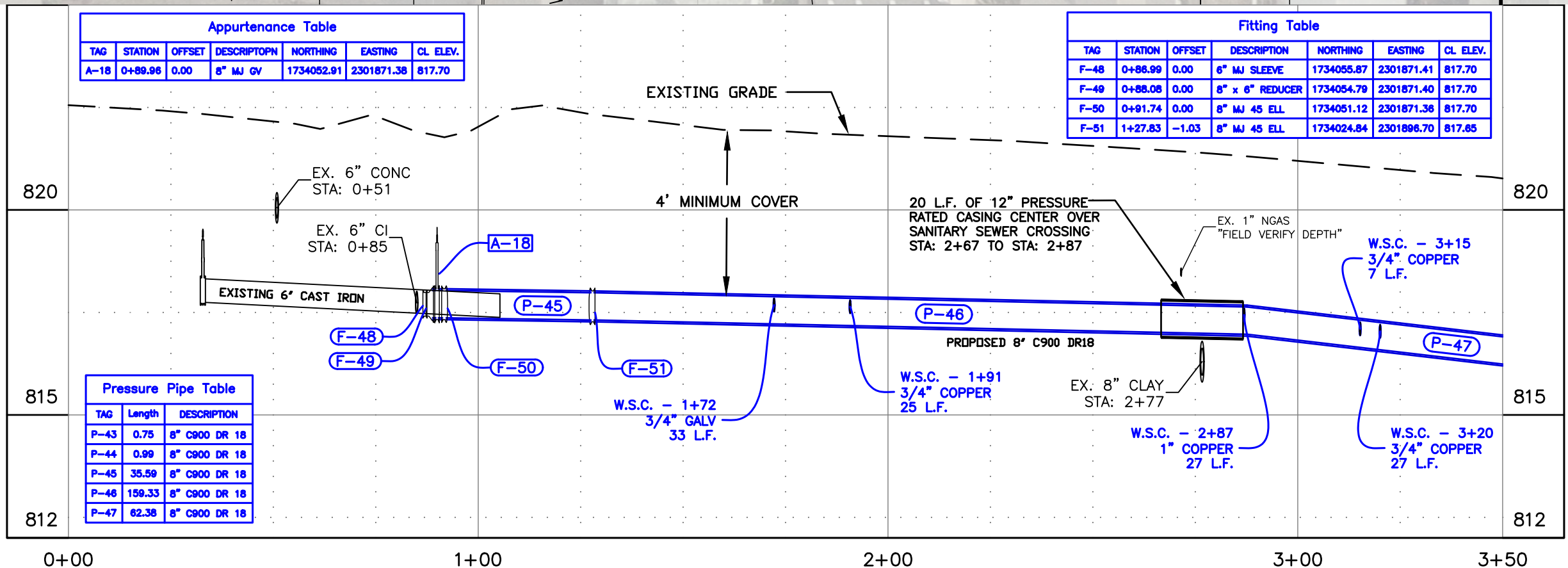
TAG	STATION	OFFSET	DESCRIPTION	NORTHING	EASTING	CL. ELEV.
A-18	0+89.96	0.00	8" MJ GV	1734052.91	2301871.38	817.70

**Fitting Table**

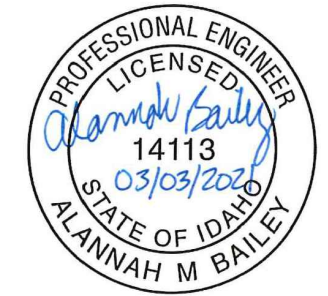
TAG	STATION	OFFSET	DESCRIPTION	NORTHING	EASTING	CL. ELEV.
F-48	0+86.99	0.00	6" MJ SLEEVE	1734055.87	2301871.41	817.70
F-49	0+86.08	0.00	8" x 6" REDUCER	1734054.79	2301871.40	817.70
F-50	0+91.74	0.00	8" MJ 45 ELL	1734051.12	2301871.36	817.70
F-51	1+27.83	-1.03	8" MJ 45 ELL	1734024.84	2301896.70	817.65

**Pressure Pipe Table**

TAG	Length	DESCRIPTION
P-43	0.75	8" C900 DR 18
P-44	0.99	8" C900 DR 18
P-45	35.59	8" C900 DR 18
P-46	159.33	8" C900 DR 18
P-47	62.38	8" C900 DR 18



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*Alannah Bailey* 08/19/21  
 SIGN DATE

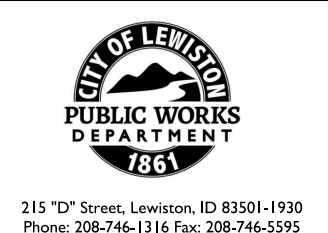


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REVISIONS

NO.	DATE	DESCRIPTION	BY
1	6/09/2021	ASBUILT RED LINES	BDS

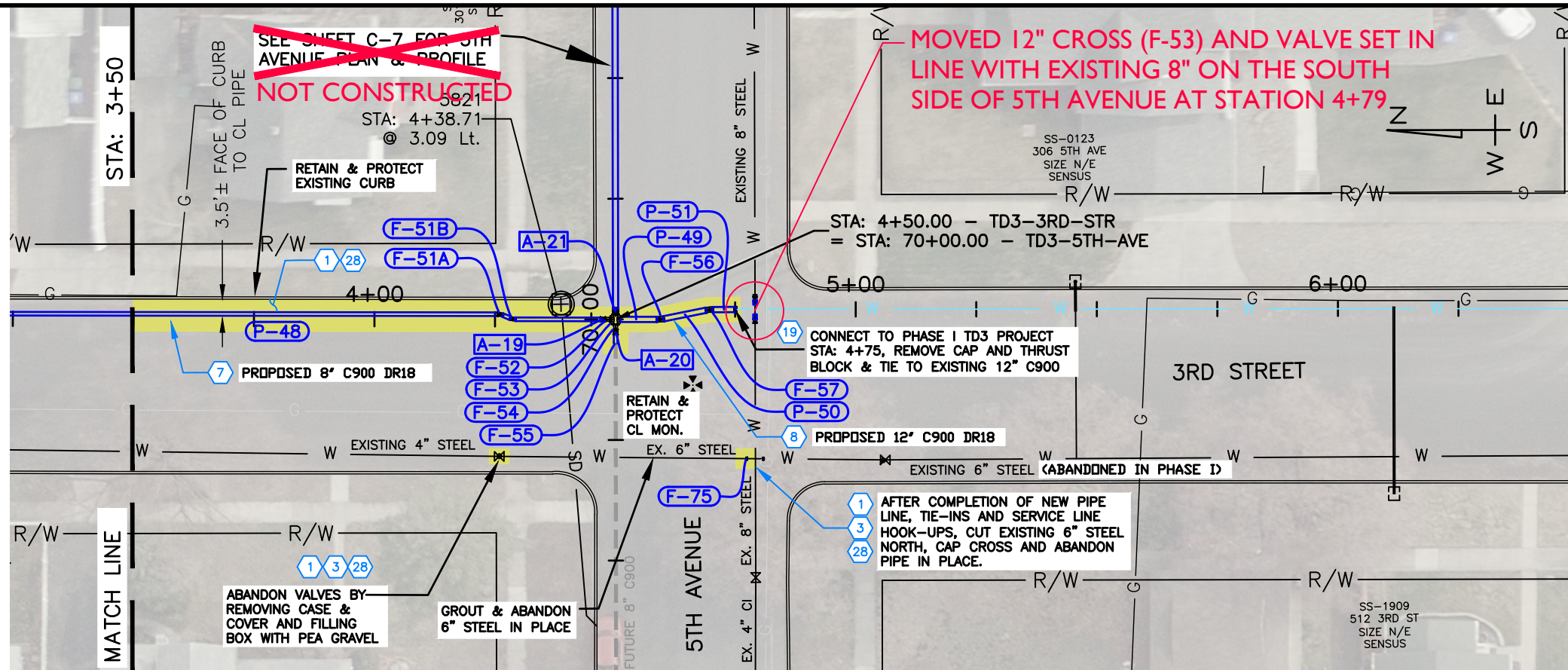
RECORD DRAWING



**TD-3 DISTRIBUTION MAIN REPLACEMENT**  
**PHASE III - 3RD STREET 4TH TO 5TH AVE**  
**PLAN & PROFILE - 3RD STREET**

SCALE: 1" = 30'  
 DESIGNED BY: A.M.B.  
 DRAWN BY: B.D.S.  
 CHECKED BY: CREW  
 SHEET SET: WR503-P3  
 DATE: 03-03-2021  
 DRAWING NO.: C-5  
 SHEET 5 OF 9

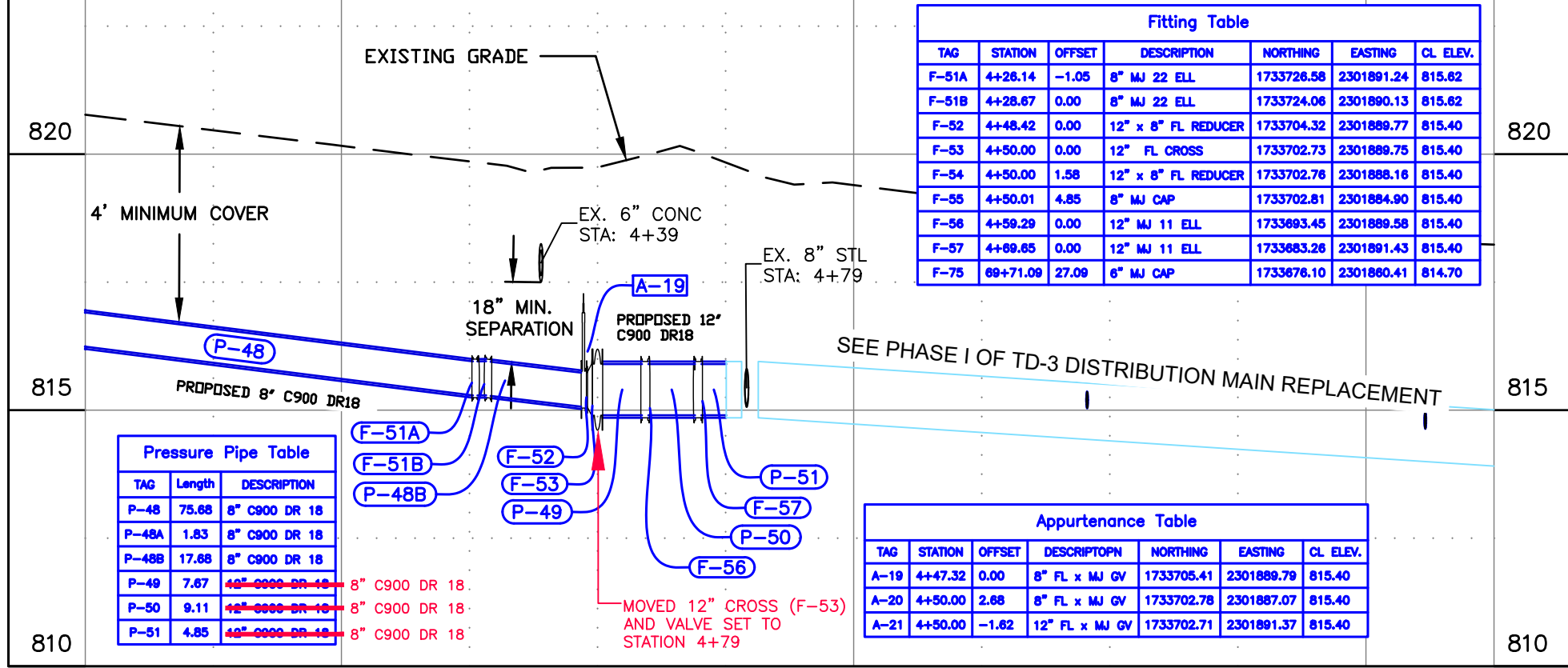
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**SPECIAL NOTES**

- A Abandon inactive service line in place.
- B Connect to existing pipe as directed by the project engineer.

PAY ITEMS	QUANTITY
1 Removal of Bituminous Surface, Item 201.4.1.D.1	90 S.Y.
2 Removal of Curb, Item 201.4.1.E.1	0 L.F.
3 Removal of Water Main & Appurtenances, Item 201.4.1.F.1	2 L.F.
7 Water Main Pipe - 8" C900 DR18 Type, Item 401.4.1.A.4	97 L.F.
8 Water Main Pipe - 12" C900 DR18 Type, Item 401.4.1.A.5	22 L.F.
10 Water Main Fitting - 6" (See Fitting Table This Sheet), Item 402.4.1.B.2	1 EA.
11 Water Main Fitting - 8" (See Fitting Table This Sheet), Item 402.4.1.B.3	1 EA.
13 Water Main Fitting - 12" (See Fitting Table This Sheet), Item 402.4.1.B.5	5 EA.
19 Connect to Existing Main - 12", Item 401.4.1.C.5	1 EA.
21 Valve - Size 8", (See Appurtenance Table This Sheet), Item 402.4.1.A.2	2 EA.
22 Valve - Size 12", (See Appurtenance Table This Sheet), Item 402.4.1.A.3	1 EA.
27 Standard 6-inch Vertical Curb and Gutter, Item 706.4.1.A.5	0 L.F.
28 Plant Mix Pavement, 3" thk, SP-3, PG 58-28, 1/2" Gradation, Item 810.4.1.A.3	90 S.Y.



Fitting Table						
TAG	STATION	OFFSET	DESCRIPTION	NORTHING	EASTING	CL. ELEV.
F-51A	4+28.14	-1.05	8" MJ 22 ELL	1733726.58	2301891.24	815.62
F-51B	4+28.67	0.00	8" MJ 22 ELL	1733724.06	2301890.13	815.62
F-52	4+48.42	0.00	12" x 8" FL REDUCER	1733704.32	2301889.77	815.40
F-53	4+50.00	0.00	12" FL CROSS	1733702.73	2301889.75	815.40
F-54	4+50.00	1.58	12" x 8" FL REDUCER	1733702.78	2301888.18	815.40
F-55	4+50.01	4.85	8" MJ CAP	1733702.81	2301884.90	815.40
F-56	4+59.29	0.00	12" MJ 11 ELL	1733693.45	2301889.58	815.40
F-57	4+69.85	0.00	12" MJ 11 ELL	1733683.26	2301891.43	815.40
F-75	69+71.09	27.09	6" MJ CAP	1733676.10	2301880.41	814.70

Pressure Pipe Table		
TAG	Length	DESCRIPTION
P-48	75.68	8" C900 DR 18
P-48A	1.83	8" C900 DR 18
P-48B	17.68	8" C900 DR 18
P-49	7.67	<del>12" C900 DR 18</del> 8" C900 DR 18
P-50	9.11	<del>12" C900 DR 18</del> 8" C900 DR 18
P-51	4.85	<del>12" C900 DR 18</del> 8" C900 DR 18

Appurtenance Table						
TAG	STATION	OFFSET	DESCRIPTOPN	NORTHING	EASTING	CL. ELEV.
A-19	4+47.32	0.00	8" FL x MJ GV	1733705.41	2301889.79	815.40
A-20	4+50.00	2.68	8" FL x MJ GV	1733702.78	2301887.07	815.40
A-21	4+50.00	-1.82	12" FL x MJ GV	1733702.71	2301891.37	815.40

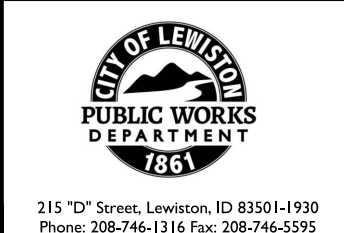
RECORD DRAWING  
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REVISIONS			
NO.	DATE	DESCRIPTION	BY
1	6/09/2021	ASBUILT RED LINES	BDS

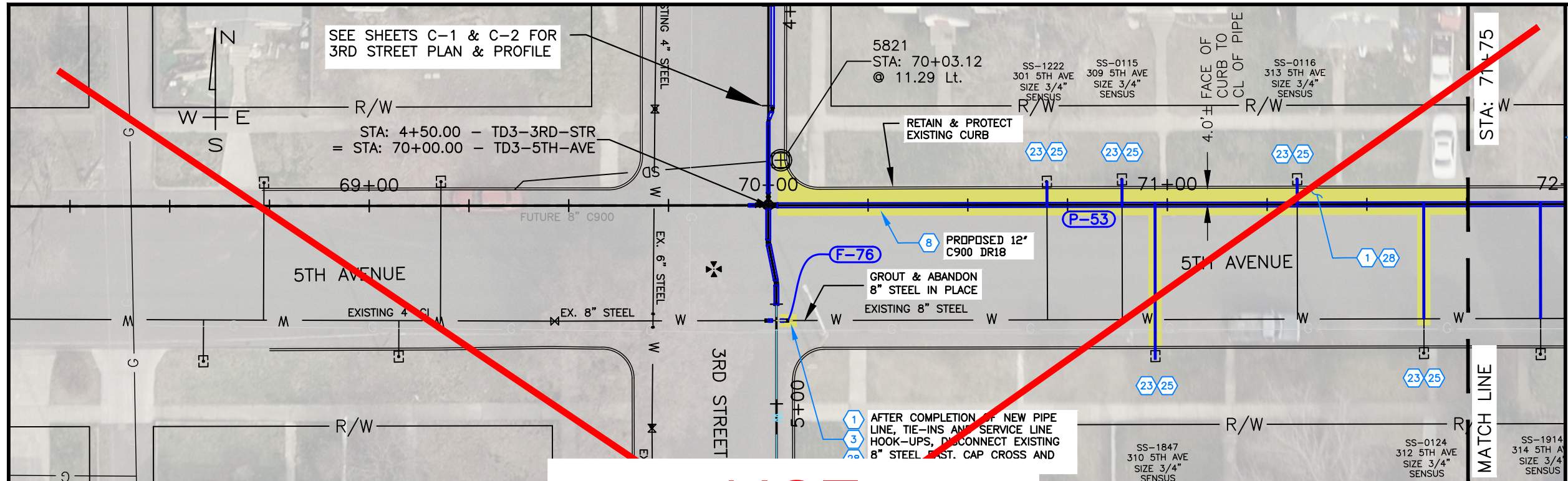
**RECORD DRAWING**



**TD-3 DISTRIBUTION MAIN REPLACEMENT**  
**PHASE III - 3RD STREET 4TH TO 5TH AVE**  
**PLAN & PROFILE - 3RD STREET**

SCALE: 1" = 30'  
 DESIGNED BY: A.M.B.  
 DRAWN BY: B.D.S.  
 CHECKED BY: CREW  
 SHEET SET: WR503-P3  
 DATE: 03-03-2021  
 DRAWING NO.: C-6  
 SHEET 6 OF 9

File Name C:\Shared drives\Public Works CAPITAL\Water\_Distribution\WR503 PRP TD3 Inhouse\dwg\Production Drawings\PHASE-3\WR503-PLANS-P3-5TH.dwg Printed 8/19/2021 1:52 PM By Bruce Stewart



**SPECIAL NOTES**

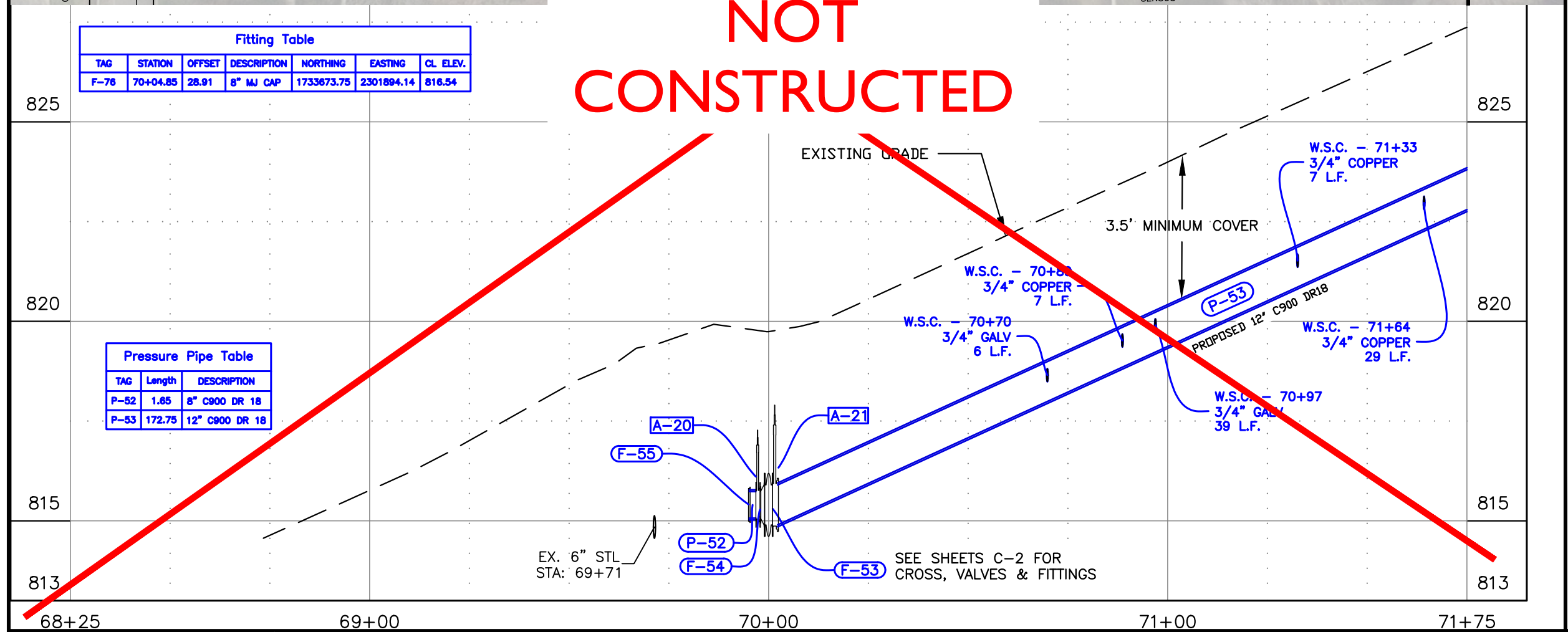
- A Abandon inactive service line in place.
- B Connect to existing pipe as directed by the project engineer.

PAY ITEMS	QUANTITY
1 Removal of Bituminous Surface, Item 201.4.1.D.1	150 S.Y.
2 Removal of Curb, Item 201.4.1.E.1	0 L.F.
3 Removal of Water Main & Appurtenances, Item 201.4.1.F.1	1 L.F.
7 Water Main Pipe - 8" C900 DR18 Type, Item 401.4.1.A.4	2 L.F.
8 Water Main Pipe - 12" C900 DR18 Type, Item 401.4.1.A.5	173 L.F.
11 Water Main Fitting - 8" (See Fitting Table This Sheet), Item 402.4.1.B.3	1 EA.
23 Water Service Connection, 3/4", Item 404.4.1.A.1	5 EA.
24 Water Service Connection, 1", Item 404.4.1.A.2	0 EA.
25 Water Service Pipe 3/4", (See Profile this sheet for length), Item 404.4.1.B.1	88 L.F.
26 Water Service Pipe 1", (See Profile this sheet for length), Item 404.4.1.B.2	0 L.F.
27 Standard 6-inch Vertical Curb and Gutter, Item 706.4.1.A.5	0 L.F.
28 Plant Mix Pavement, 3" thk, SP-3, PG 58-28, 1/2" Gradation, Item 810.4.1.A.3	150 S.Y.

TAG	STATION	OFFSET	DESCRIPTION	NORTHING	EASTING	CL. ELEV.
F-76	70+04.85	28.91	8" MJ CAP	1733673.75	2301894.14	816.54

NOT  
CONSTRUCTED

TAG	Length	DESCRIPTION
P-52	1.85	8" C900 DR 18
P-53	172.75	12" C900 DR 18



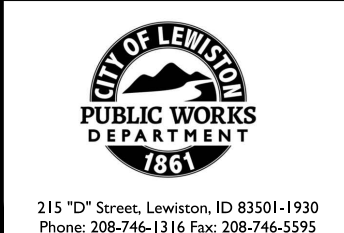
**RECORD DRAWING**  
 SIGN: *Alannah Bailey* 08/19/21  
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REVISIONS			
NO.	DATE	DESCRIPTION	BY
1	6/09/2021	ASBUILT RED LINES	BDS

**RECORD DRAWING**

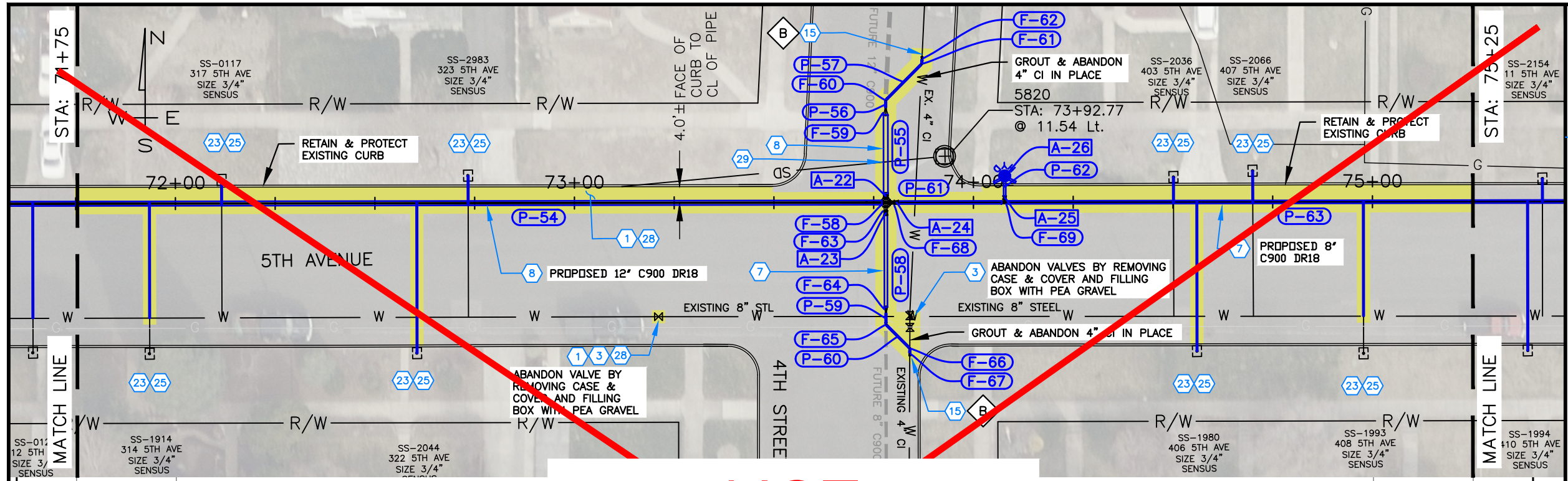


**TD-3 DISTRIBUTION MAIN REPLACEMENT**  
**PHASE III - 5TH AVENUE 3RD TO 5TH ST.**

**PLAN & PROFILE - 5TH AVENUE**

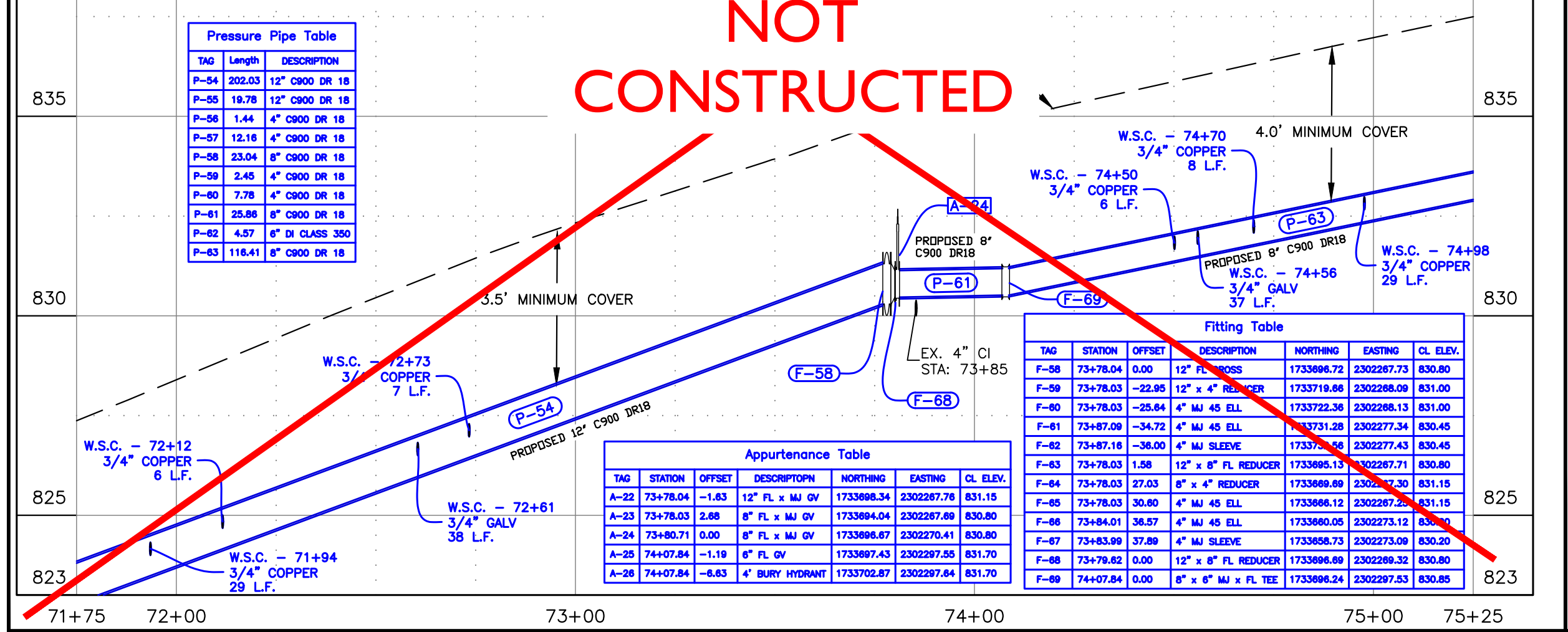
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 DESIGNED BY: A.M.B.  
 DRAWN BY: B.D.S.  
 CHECKED BY: CREW  
 SHEET SET: WR503-P3  
 DATE: 03-03-2021  
 DRAWING NO.: **C-7**  
 SHEET 7 OF 9

File Name: C:\Shared drives\Public Works CAPITAL\Water\_Distribution\WR503 PRP TD3 Inhouse\dwg\Production Drawings\PHASE-3\WR503-PLANS-P3-5TH.dwg Printed 8/19/2021 1:53 PM By Bruce Stewart



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CONSTRUCTED

Pressure Pipe Table		
TAG	Length	DESCRIPTION
P-54	202.03	12" C900 DR 18
P-55	19.78	12" C900 DR 18
P-56	1.44	4" C900 DR 18
P-57	12.16	4" C900 DR 18
P-58	23.04	8" C900 DR 18
P-59	2.45	4" C900 DR 18
P-60	7.78	4" C900 DR 18
P-61	25.86	8" C900 DR 18
P-62	4.57	6" DI CLASS 350
P-63	116.41	8" C900 DR 18



Fitting Table						
TAG	STATION	OFFSET	DESCRIPTION	NORTHING	EASTING	CL. ELEV.
F-58	73+78.04	0.00	12" FL CROSS	1733696.72	2302267.73	830.80
F-59	73+78.03	-22.95	12" x 4" REDUCER	1733719.66	2302268.09	831.00
F-60	73+78.03	-25.64	4" MJ 45 ELL	1733722.36	2302268.13	831.00
F-61	73+87.09	-34.72	4" MJ 45 ELL	1733731.28	2302277.34	830.45
F-62	73+87.18	-36.00	4" MJ SLEEVE	1733731.56	2302277.43	830.45
F-63	73+78.03	1.58	12" x 8" FL REDUCER	1733695.13	2302267.71	830.80
F-64	73+78.03	27.03	8" x 4" REDUCER	1733689.69	2302267.30	831.15
F-65	73+78.03	30.60	4" MJ 45 ELL	1733686.12	2302267.28	831.15
F-66	73+84.01	36.57	4" MJ 45 ELL	1733680.05	2302273.12	830.00
F-67	73+83.99	37.89	4" MJ SLEEVE	1733686.73	2302273.09	830.20
F-68	73+79.62	0.00	12" x 8" FL REDUCER	1733696.69	2302269.32	830.80
F-69	74+07.84	0.00	8" x 6" MJ x FL TEE	1733696.24	2302297.53	830.85

Appurtenance Table						
TAG	STATION	OFFSET	DESCRIPTION	NORTHING	EASTING	CL. ELEV.
A-22	73+78.04	-1.63	12" FL x MJ GV	1733698.34	2302267.76	831.15
A-23	73+78.03	2.68	8" FL x MJ GV	1733694.04	2302267.69	830.80
A-24	73+80.71	0.00	8" FL x MJ GV	1733696.67	2302270.41	830.80
A-25	74+07.84	-1.19	6" FL GV	1733697.43	2302297.55	831.70
A-26	74+07.84	-6.63	4" BURY HYDRANT	1733702.87	2302297.64	831.70

**SPECIAL NOTES**

A Abandon inactive service line in place.

B Connect to existing pipe as directed by the project engineer.

PAY ITEMS	QUANTITY
1 Removal of Bituminous Surface, Item 201.4.1.D.1	337 S.Y.
2 Removal of Curb, Item 201.4.1.E.1	0 L.F.
3 Removal of Water Main & Appurtenances, Item 201.4.1.F.1	3 L.F.
4 Water Main Pipe - 4" C900 DR18 Type, Item 401.4.1.A.1	24 L.F.
5 Water Main Pipe - 6" DI Class 350 Type, Item 401.4.1.A.2	5 L.F.
7 Water Main Pipe - 8" C900 DR18 Type, Item 401.4.1.A.4	168 L.F.
8 Water Main Pipe - 12" C900 DR18 Type, Item 401.4.1.A.5	222 L.F.
9 Water Main Fitting - 4" (See Fitting Table This Sheet), Item 402.4.1.B.1	6 EA.
11 Water Main Fitting - 8" (See Fitting Table This Sheet), Item 402.4.1.B.3	2 EA.
13 Water Main Fitting - 12" (See Fitting Table This Sheet), Item 402.4.1.B.5	4 EA.
14 Hydrant - (See Appurtenance Table This Sheet), Item 403.4.1.A.1	1 EA.
15 Connect to Existing Main - 4", Item 401.4.1.C.1	2 EA.
20 Valve - Size 6", (See Appurtenance Table This Sheet), Item 402.4.1.A.1	1 EA.
21 Valve - Size 8", (See Appurtenance Table This Sheet), Item 402.4.1.A.2	2 EA.
22 Valve - Size 12", (See Appurtenance Table This Sheet), Item 402.4.1.A.3	1 EA.
23 Water Service Connection, 3/4", Item 404.4.1.A.1	8 EA.
24 Water Service Connection, 1", Item 404.4.1.A.2	0 EA.
25 Water Service Pipe 3/4", (See Profile this sheet for length), Item 404.4.1.B.1	160 L.F.
26 Water Service Pipe 1", (See Profile this sheet for length), Item 404.4.1.B.2	0 L.F.

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*Alannah Bailey* 08/19/21  
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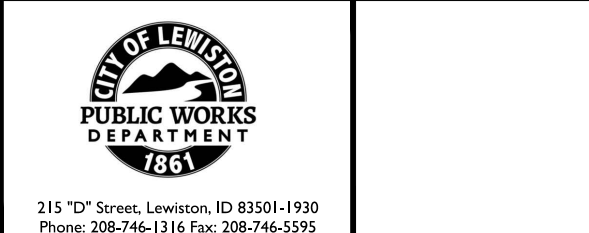
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**TD-3 DISTRIBUTION MAIN REPLACEMENT**

**PHASE III - 5TH AVENUE 3RD TO 5TH ST.**

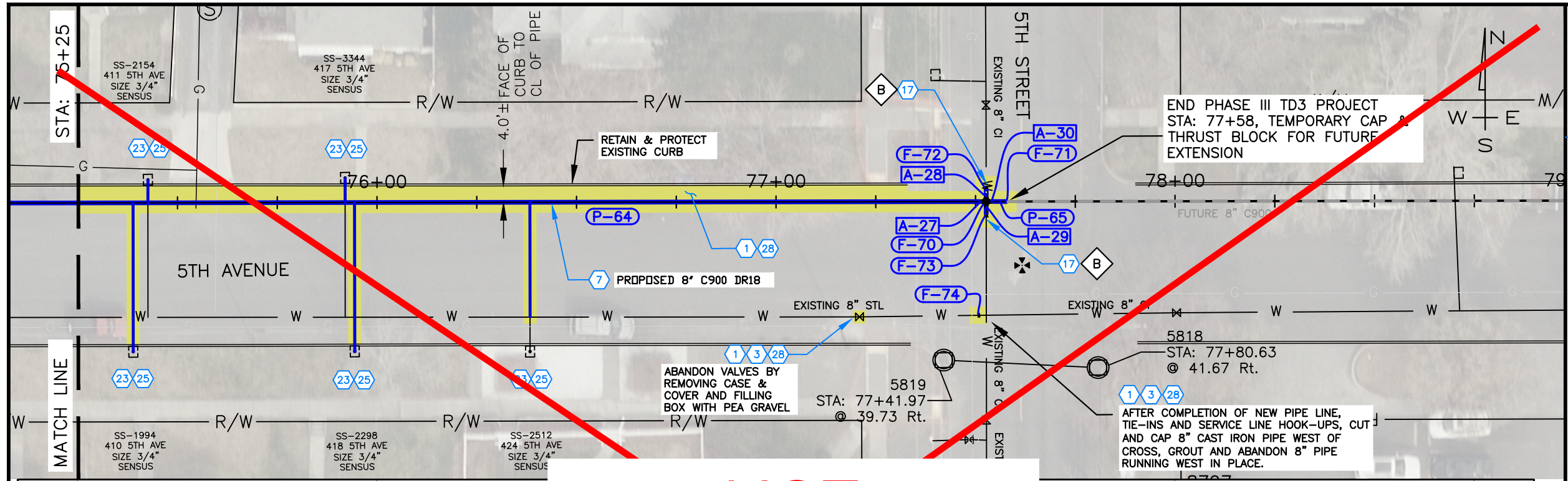
**PLAN & PROFILE - 5TH AVENUE**

SCALE: 1" = 30'

DESIGNED BY: A.M.B.  
DRAWN BY: B.D.S.  
CHECKED BY: CREW  
SHEET SET: WR503-P3  
DATE: 03-03-2021  
DRAWING NO.: C-8  
SHEET 8 OF 9



File Name: G:\Shared drives\Public Works CAPITAL\Water\_Distribution\WR503 PRP TD3 Inhouse\dwg\Production Drawings\PHASE-3\WR503-PLANS-P3-5TH.dwg Printed 8/19/2021 1:53 PM By Bruce Stewart

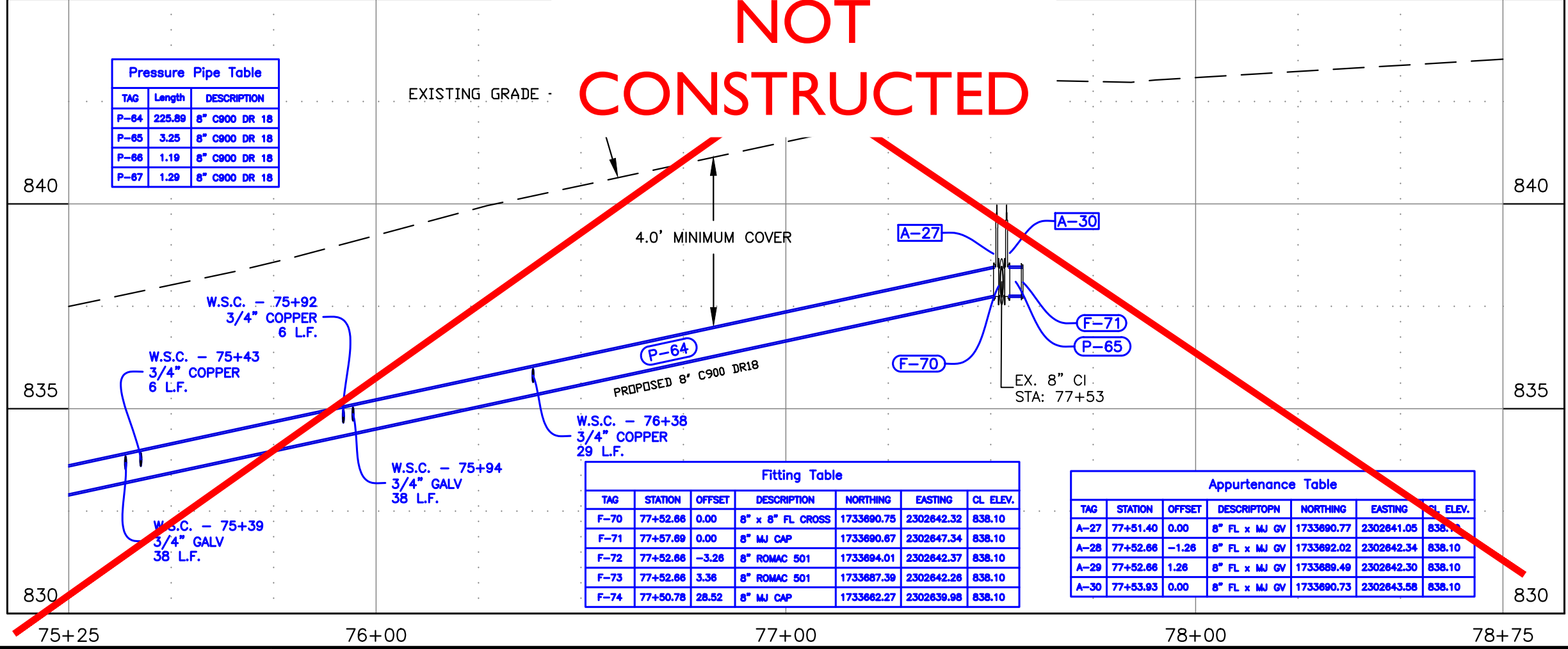


**SPECIAL NOTES**

- A Abandon inactive service line in place.
- B Connect to existing pipe as directed by the project engineer.

PAY ITEMS	QUANTITY
<span style="border: 1px solid black; padding: 2px;">1</span> Removal of Bituminous Surface, Item 201.4.1.D.1	208 S.Y.
<span style="border: 1px solid black; padding: 2px;">2</span> Removal of Curb, Item 201.4.1.E.1	0 L.F.
<span style="border: 1px solid black; padding: 2px;">3</span> Removal of Water Main & Appurtenances, Item 201.4.1.F.1	3 L.F.
<span style="border: 1px solid black; padding: 2px;">7</span> Water Main Pipe - 8" C900 DR18 Type, Item 401.4.1.A.4	232 L.F.
<span style="border: 1px solid black; padding: 2px;">11</span> Water Main Fitting - 8" (See Fitting Table This Sheet), Item 402.4.1.B.3	5 EA.
<span style="border: 1px solid black; padding: 2px;">17</span> Connect to Existing Main - 8", Item 401.4.1.C.3	2 EA.
<span style="border: 1px solid black; padding: 2px;">21</span> Valve - Size 8", (See Appurtenace Table This Sheet), Item 402.4.1.A.2	4 EA.
<span style="border: 1px solid black; padding: 2px;">23</span> Water Service Connection, 3/4", Item 404.4.1.A.1	5 EA.
<span style="border: 1px solid black; padding: 2px;">24</span> Water Service Connection, 1", Item 404.4.1.A.2	0 EA.
<span style="border: 1px solid black; padding: 2px;">25</span> Water Service Pipe 3/4", (See Profile this sheet for length), Item 404.4.1.B.1	117 L.F.
<span style="border: 1px solid black; padding: 2px;">26</span> Water Service Pipe 1", (See Profile this sheet for length), Item 404.4.1.B.2	0 L.F.
<span style="border: 1px solid black; padding: 2px;">27</span> Standard 6-inch Vertical Curb and Gutter, Item 706.4.1.A.5	0 L.F.
<span style="border: 1px solid black; padding: 2px;">28</span> Plant Mix Pavement, 3" thk, SP-3, PG 58-28, 1/2" Gradation, Item 810.4.1.A.3	208 S.Y.

**NOT  
CONSTRUCTED**



TAG	Length	DESCRIPTION
P-64	225.89	8" C900 DR 18
P-65	3.25	8" C900 DR 18
P-66	1.19	8" C900 DR 18
P-67	1.29	8" C900 DR 18

TAG	STATION	OFFSET	DESCRIPTION	NORTHING	EASTING	CL. ELEV.
F-70	77+52.66	0.00	8" x 8" FL CROSS	1733690.75	2302642.32	838.10
F-71	77+57.69	0.00	8" MJ CAP	1733690.67	2302647.34	838.10
F-72	77+52.66	-3.26	8" ROMAC 501	1733694.01	2302642.37	838.10
F-73	77+52.66	3.36	8" ROMAC 501	1733687.39	2302642.26	838.10
F-74	77+50.78	28.52	8" MJ CAP	1733662.27	2302639.98	838.10

TAG	STATION	OFFSET	DESCRIPTION	NORTHING	EASTING	CL. ELEV.
A-27	77+51.40	0.00	8" FL x MJ GV	1733690.77	2302641.05	838.10
A-28	77+52.66	-1.26	8" FL x MJ GV	1733692.02	2302642.34	838.10
A-29	77+52.66	1.26	8" FL x MJ GV	1733689.49	2302642.30	838.10
A-30	77+53.93	0.00	8" FL x MJ GV	1733690.73	2302643.58	838.10

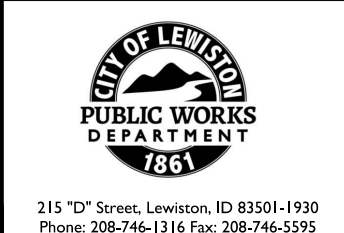
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REVISIONS			
NO.	DATE	DESCRIPTION	BY
1	6/09/2021	ASBUILT RED LINES	BDS

**RECORD DRAWING**



**TD-3 DISTRIBUTION MAIN REPLACEMENT  
 PHASE III - 5TH AVENUE 3RD TO 5TH ST.**

**PLAN & PROFILE - 5TH AVENUE**

SCALE: 1" = 30'  
 DESIGNED BY: A.M.B.  
 DRAWN BY: B.D.S.  
 CHECKED BY: CREW  
 SHEET SET: WR503-P3  
 DATE: 03-03-2021  
 DRAWING NO.: C-9  
 SHEET 9 OF 9