

File Name G:\Shared drives\Public Works CAPITAL\Water_Distribution\WR502 23th Avenue CL-160\dwg\Production Drawings\23RD-COVER.dwg Printed 12/16/2019 8:13 AM 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
	WATER METER		GUY ANCHOR
	IRRIGATION CONTROL BOX		TELEPHONE PEDESTAL
	IRRIGATION VALVE		TELEPHONE MANHOLE / VAULT
	WATER MANHOLE		
	WATER VAULT		

_____	CENTERLINE
_____ R/W _____	RIGHT-OF-WAY
_____ W _____	EXISTING WATERLINE
_____ SS _____	EXISTING SANITARY SEWER
_____ G _____	EXISTING GAS
_____ T _____	EXISTING TELEPHONE
_____ FO _____	EXISTING FIBER OPTIC
_____ SD _____	EXISTING STORM DRAIN
_____ P _____	EXISTING UG POWER
_____	EXISTING CONCRETE/SIDEWALK
	EXISTING CURB & GUTTER
	REMOVAL OF BITUMINOUS SURFACE / TYPE "P" SURFACE RESTORATION AREA
	PROPOSED CURB & GUTTER
W	PROPOSED WATERLINE

CONSTRUCTION NOTES

GENERAL:

1. 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.
2. A CITY RIGHT-OF-WAY PERMIT IS REQUIRED FOR ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
3. 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.
4. 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.
5. CONTRACTORS SHALL BE RESPONSIBLE FOR COORDINATING WITH AFFECTED FRANCHISE UTILITIES DURING CONSTRUCTION.
6. 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.
7. 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".
8. 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:

1. CONSTRUCTION OF POTABLE WATER LINES SHALL CONFORM TO THE STANDARDS IN THE "IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS (IDAPA 58.01.08).
2. 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.
3. ALL WATER WORKS COMPONENTS SHALL BE ANSI/NSF 61 CERTIFIED, AND MUST MEET ALL AMERICAN WATER WORKS ASSOCIATION (AWWA) AND STANDARD REQUIREMENTS OF IDAPA 58.01.08.
4. THE NEW WATER MAIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS AND THE CITY OF LEWISTON STANDARD DRAWINGS. ALL WORK SHALL ALSO BE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION. ALL WORK SHALL BE SUBJECT TO ACCEPTANCE BY THE CITY OF LEWISTON PURSUANT TO THE ENGINEERING DEPARTMENT'S CURRENT INSPECTION CHECKLIST.
5. DISINFECTION SHALL BE BY THE CITY WATER DIVISION.
6. 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:

1. ALL ASPHALT JOINTS SHALL BE SAW CUT UNLESS SPECIFICALLY NOTED OTHERWISE IN THE DRAWINGS.
2. ALL ASPHALT SURFACES AND ADJACENT PAVEMENT, LONGITUDINAL JOINTS, EDGES OF SURFACE UTILITIES AND CURB EDGES SHALL BE TACKED.
3. 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.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY
201.4.1.D.1	Removal of Bituminous Surface	SY	410
201.4.1.E.1	Removal of Curb and Gutter	LF	17
307.4.1.G.1	Main Line Type "P" Surface Restoration (3"min, SP-2, 1/2" Agg.)	SY	410
401.4.1.A.1	Water Main Pipe - 6" DI	LF	10
401.4.1.A.2	Water Main Pipe - 8" C900	LF	492
401.4.1.C.1	Connect to Existing - 4"	EA	1
402.4.1.A.1	Valve - 6" Gate	EA	1
402.4.1.A.2	Valve - 8" Gate	EA	1
403.4.1.A.1	Hydrant	EA	1
404.4.1.A.1	Water Service Connection - 1"	EA	5
404.4.1.B.1	Water Service Pipe - 1"	LF	142
706.4.1.A.5	Standard 6-Inch Vertical Curb and Gutte	LF	17
1103.4.1.A.1	Construction Traffic Control	LS	1
2010.4.1.A.1	Mobilization	LS	1
TOTAL:			

		REVISIONS	
NO.	DATE	DESCRIPTION	BY
-			



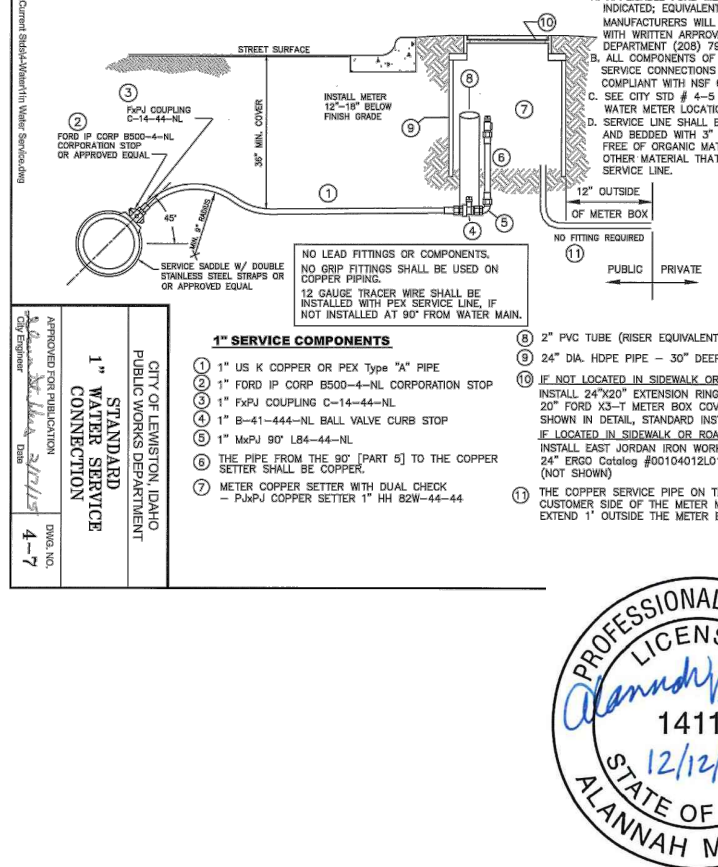
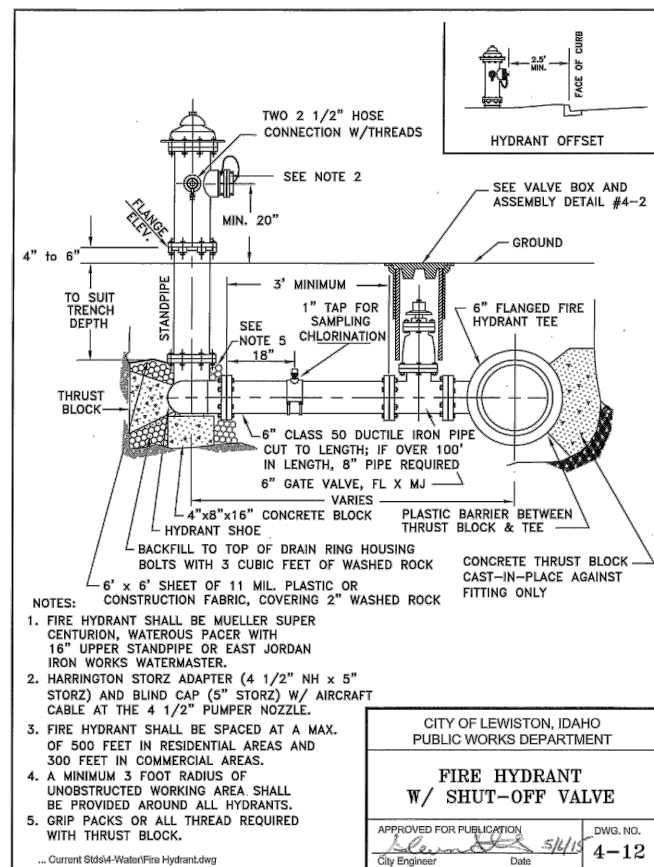
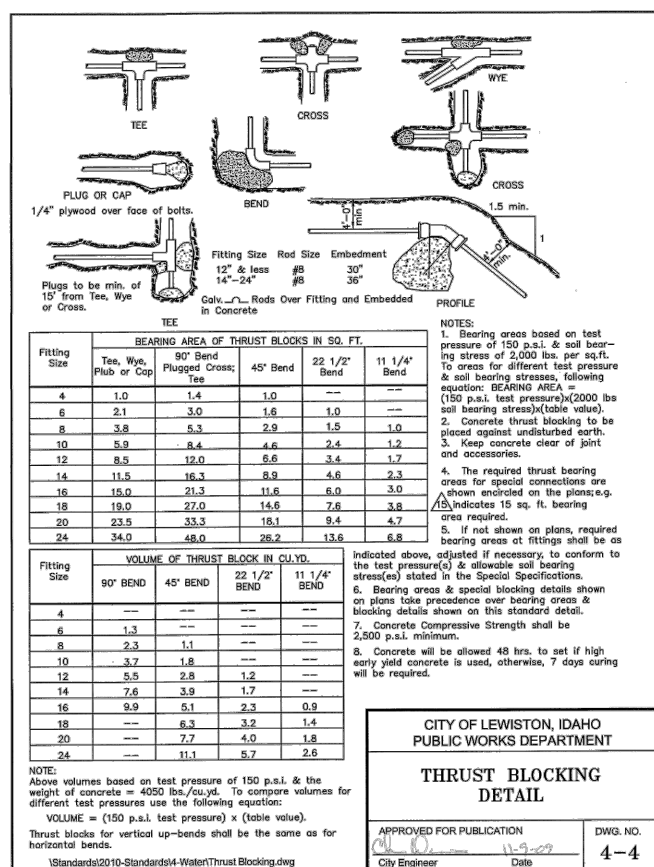
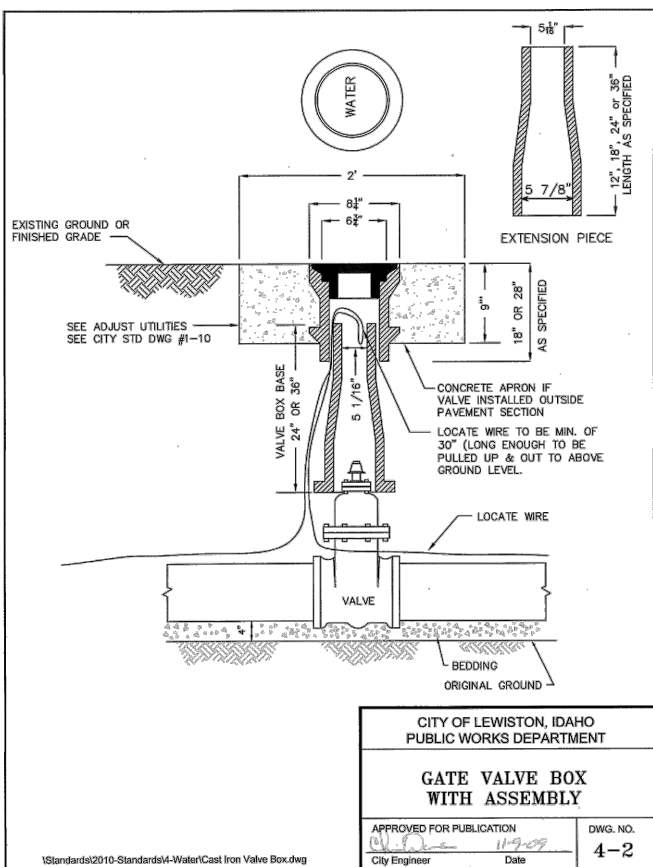
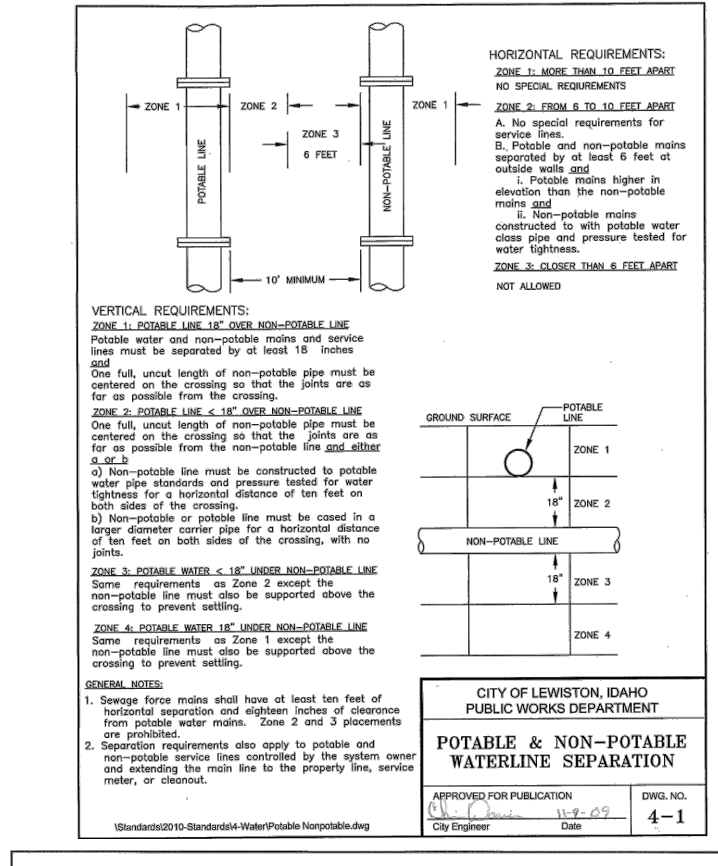
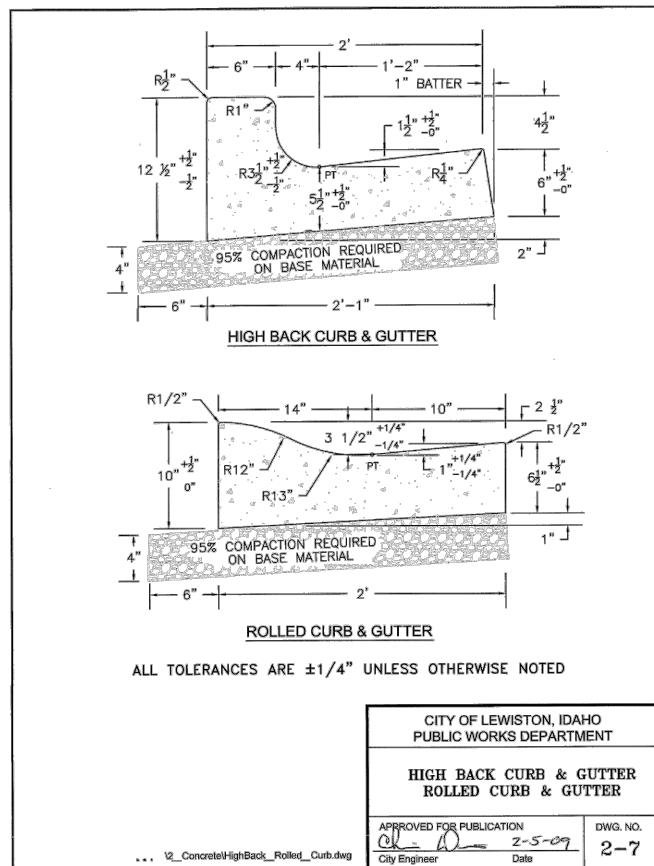
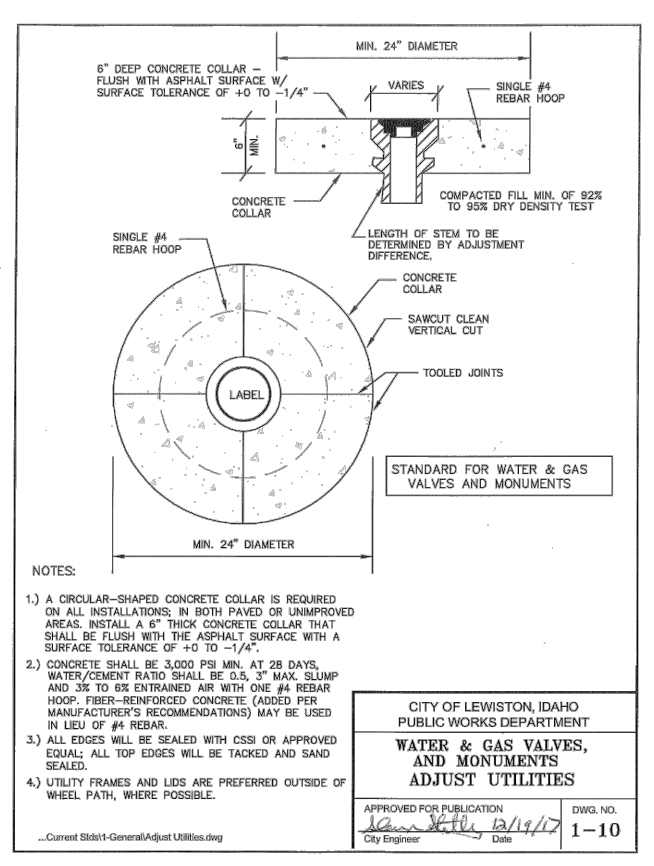
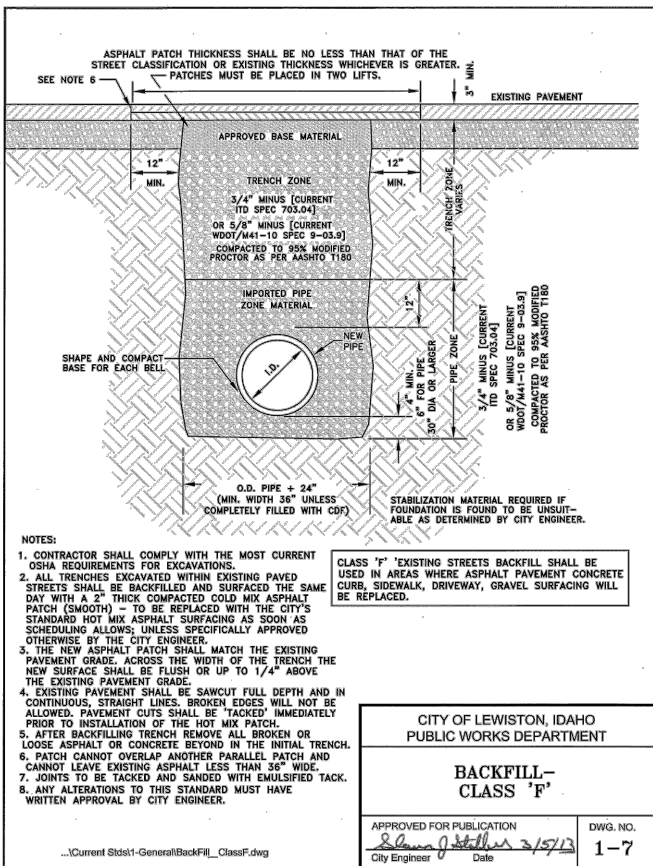
215 "D" Street, Lewiston, ID 83501-1930
Phone: 208-746-1316 Fax: 208-746-5595

200 BLOCK, 23RD AVENUE
CL 160 WATERLINE REPLACEMENT

LEGEND, GENERAL NOTES & QUANTITY SUMMARY

SCALE: N/A
DESIGNED BY: B.D.S.
DRAWN BY: B.D.S.
CHECKED BY: A.M.B.
SHEET SET: 23RD AVE
DATE: DEC. 12, 2019
DRAWING NO.: C-2
SHEET 2 OF 5

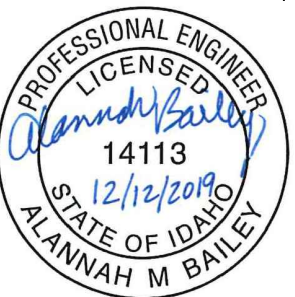




200 BLOCK, 23RD AVENUE
CL 160 WATERLINE REPLACEMENT

DETAILS

SCALE: N/A
DESIGNED BY: B.D.S.
DRAWN BY: B.D.S.
CHECKED BY: A.M.B.
SHEET SET: 23RD AVE
DATE: DEC. 12, 2019
DRAWING NO.: C-3
SHEET 3 OF 5

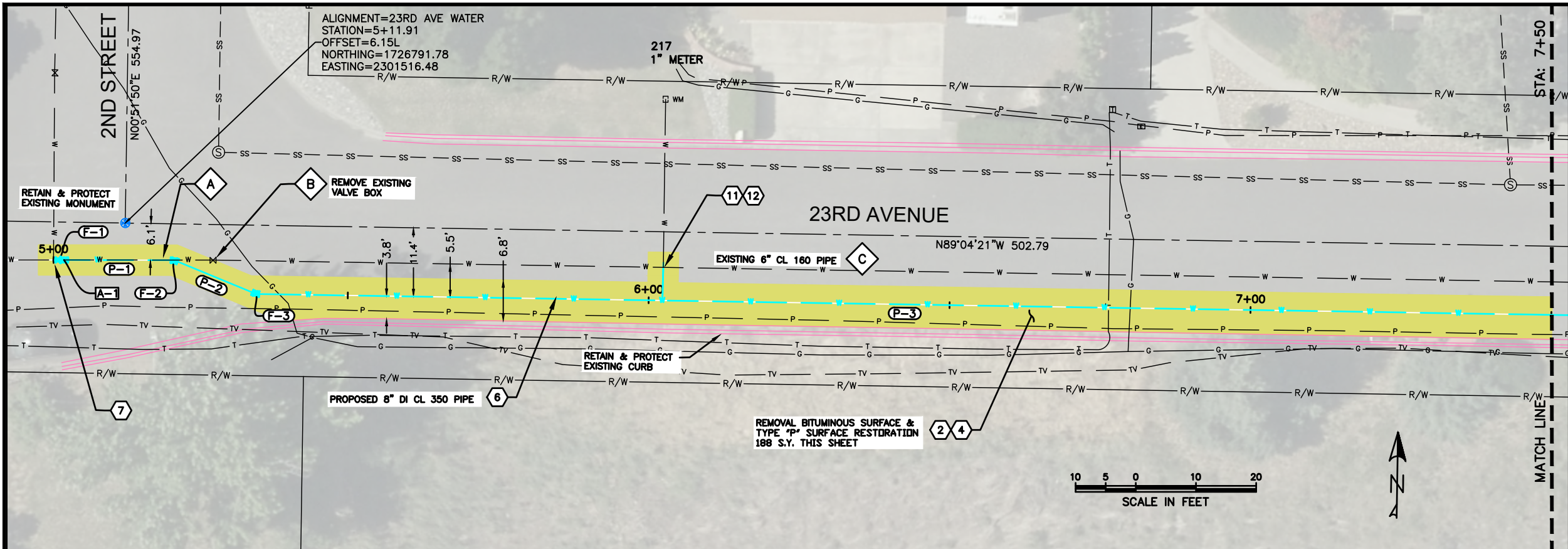


CITY OF LEWISTON
PUBLIC WORKS DEPARTMENT
1861

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

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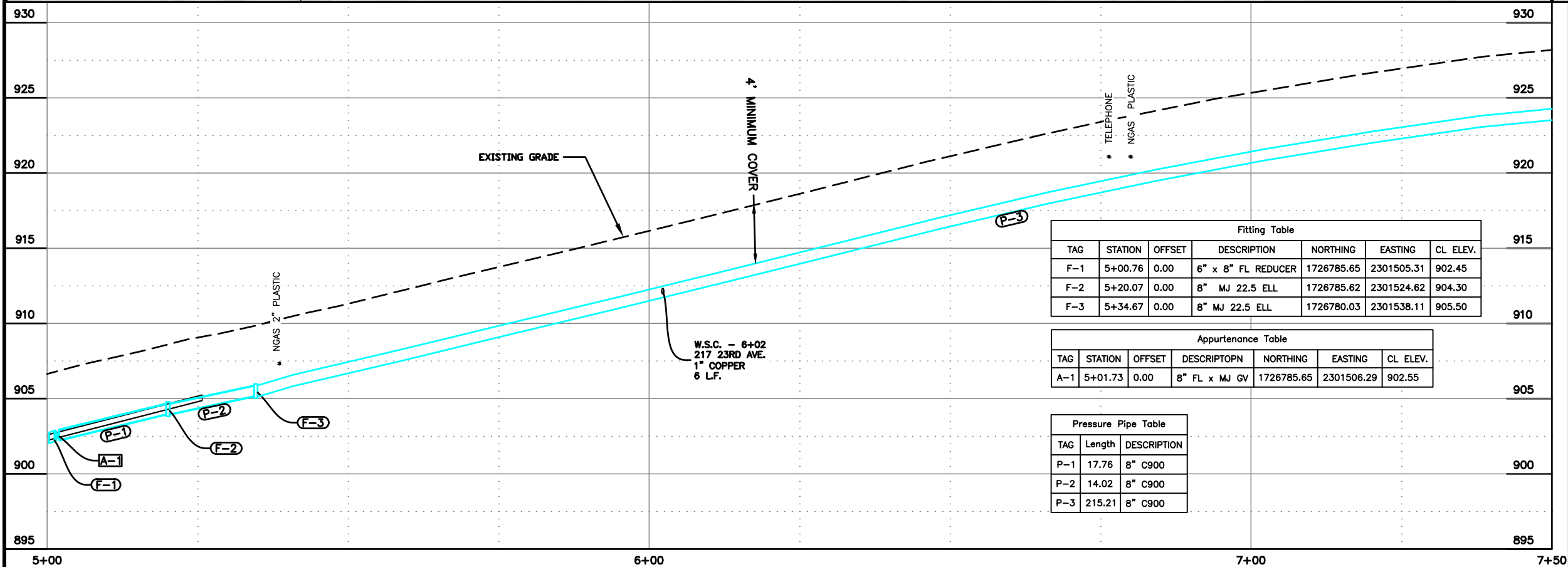
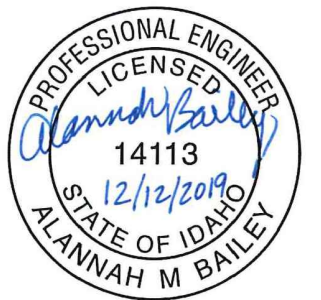


SPECIAL NOTES

- A Remove existing Water Main. Removal is incidental to the new components and no separate payment will be made.
- B Remove Water Main Valve, Cut & plug end. Removal is incidental to the new components and no separate payment will be made.
- C Abandon existing 6" waterline in place.

PAY ITEMS

	QUANTITY
2 Removal of Bituminous Surface, Item 201.4.1.D.1	188 S.Y.
4 Type "P" Surface Restoration (Asphalt Roadway), Item 307.4.1.G.1 3" Minimum, SP2 1/2" Gradation	188 S.Y.
6 Water Main Pipe - 8" C900, Item 401.4.1.A.2	247 L.F.
7 Connect to Existing - 4", Item 401.4.1.C.1	1 EA.
9 Valve - 8" Gate, (See Appurtenance Table this sheet) Item 402.4.1.A.1	1 EA.
11 Water Service Connection, 1", Item 404.4.1.A.1	1 EA.
12 Water Service Pipe 1", (See Profile this sheet for length), Item 404.4.1.B.1	6 L.F.



REVISIONS			
NO.	DATE	DESCRIPTION	BY



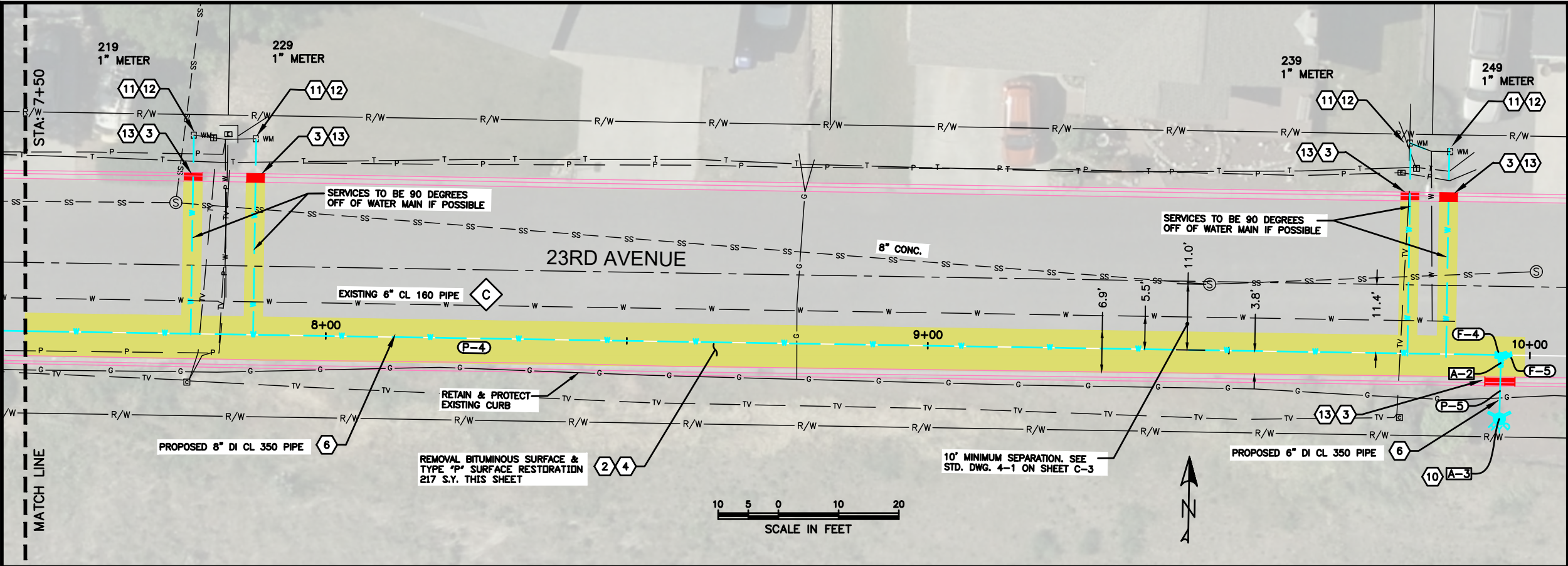
215 "D" Street, Lewiston, ID 83501-1930
Phone: 208-746-1316 Fax: 208-746-5595

200 BLOCK, 23RD AVENUE
CL 160 WATERLINE REPLACEMENT

PLAN & PROFILE

SCALE: 1" = 20'
DESIGNED BY: B.D.S.
DRAWN BY: B.D.S.
CHECKED BY: A.M.B.
SHEET SET: 23RD AVE
DATE: DEC. 12, 2019
DRAWING NO.: C-4
SHEET 4 OF 5

File Name C:\Shared drives\Public Works CAPITAL\Water_Distribution\WR302 23rd Avenue CL-160.dwg\Production Drawings\23RD AVENUE.dwg Printed 12/16/2019 8:15 AM By Bruce Stewart



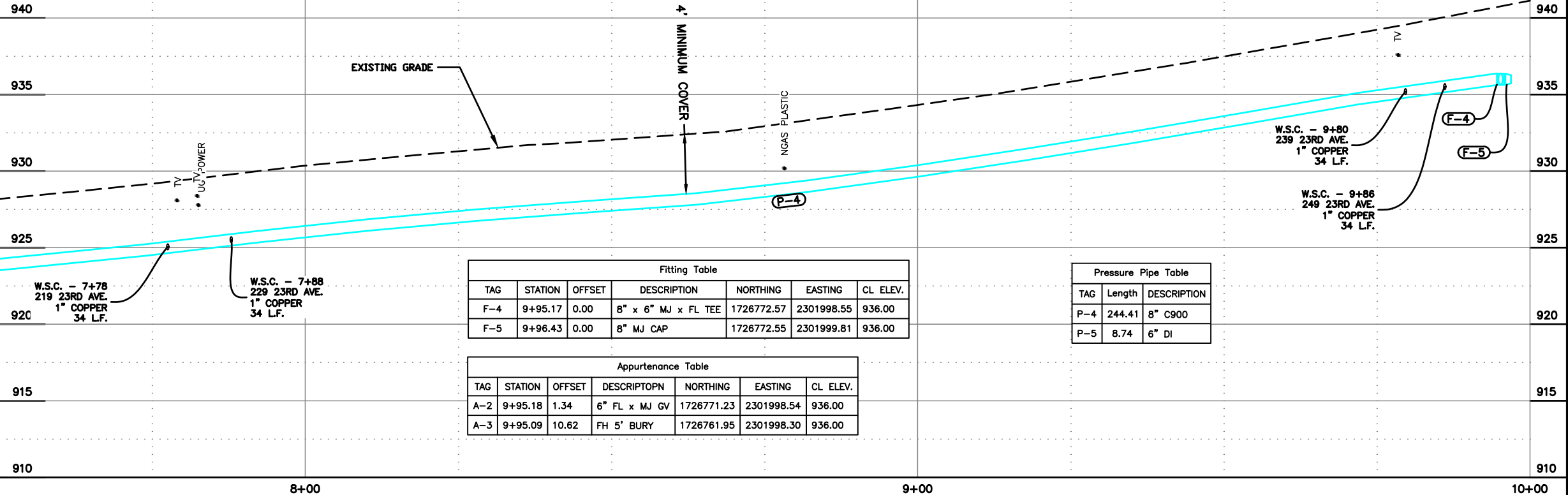
SPECIAL NOTES

- A Remove existing pipe. Removal is incidental to the new components and no separate payment will be made.
- C Abandon existing 6" waterline in place.

PAY ITEMS

QUANTITY

- 2 Removal of Bituminous Surface, Item 201.4.1.D.1 222 S.Y.
- 3 Removal of Curb & Gutter, Item 201.4.1.E.1 17 L.F.
- 4 Type "P" Surface Restoration (Asphalt Roadway), Item 307.4.1.G.1 3" Minimum, SP2 1/2" Gradation 222 S.Y.
- 5 Water Main Pipe - 6" DI, Item 401.4.1.A.1 10 L.F.
- 6 Water Main Pipe - 8" C900, Item 401.4.1.A.2 245 L.F.
- 8 Valve - 6" Gate, (See Appurtenance Table this sheet) Item 402.4.1.A.1 1 EA.
- 10 Hydrant, (See Appurtenance Table this sheet) Item 403.4.1.A.1 1 EA.
- 11 Water Service Connection, 1", Item 404.4.1.A.1 4 EA.
- 12 Water Service Pipe 1", (See Profile this sheet for length), Item 404.4.1.B.1 136 L.F.
- 13 Standard 6-inch Vertical Curb & Gutter, Item 706.4.1.A.5 17 L.F.



Fitting Table						
TAG	STATION	OFFSET	DESCRIPTION	NORTHING	EASTING	CL. ELEV.
F-4	9+95.17	0.00	8" x 6" MJ x FL TEE	1726772.57	2301998.55	936.00
F-5	9+96.43	0.00	8" MJ CAP	1726772.55	2301999.81	936.00

Pressure Pipe Table		
TAG	Length	DESCRIPTION
P-4	244.41	8" C900
P-5	8.74	6" DI

Appurtenance Table						
TAG	STATION	OFFSET	DESCRIPTOPN	NORTHING	EASTING	CL. ELEV.
A-2	9+95.18	1.34	6" FL x MJ GV	1726771.23	2301998.54	936.00
A-3	9+95.09	10.62	FH 5' BURY	1726761.95	2301998.30	936.00

REVISIONS			
NO.	DATE	DESCRIPTION	BY



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

200 BLOCK, 23RD AVENUE
CL 160 WATERLINE REPLACEMENT

PLAN & PROFILE

SCALE: 1" = 20'
DESIGNED BY: B.D.S.
DRAWN BY: B.D.S.
CHECKED BY: A.M.B.
SHEET SET: 23RD AVE
DATE: DEC. 12, 2019
DRAWING NO.: C-5
SHEET 5 OF 5