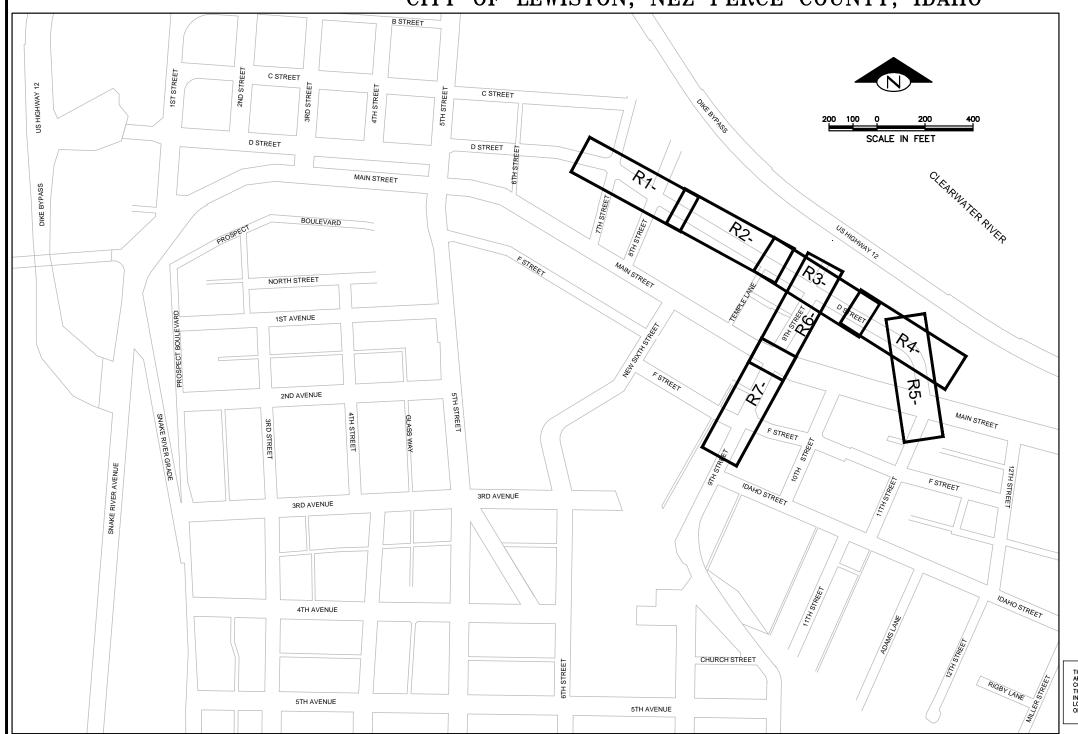
# CONSTRUCTION/RECORD DRAWINGS

## **DOWNTOWN IRRP-2015**

SW 1/4, SEC. 31, T.36N., R.5W., B.M. SE 1/4, SEC. 36, T.36N., R.6W., B.M.

CITY OF LEWISTON, NEZ PERCE COUNTY, IDAHO



## (BID DOCUMENTS)

### SHEET INDEX

	GENERAL
G-1	COVER AND SHEET INDEX
G-2	LEGEND & SHEET LIST TABLE
G-3	GENERAL CONSTRUCTION NOTES
G-4	SURVEY CONTROL
G-5	STORM DRAIN STRUCTURE INDEX
G-6	QUANTITY SUMMARY SHEET

## PHASING

	1 1 1/1 (01110	
P-1	CONSTRUCTION PHASING	DIAGRAM
P-2	PHASE 1 TRAFFIC FLOW	DIAGRAM
P-3	PHASE 2 TRAFFIC FLOW	DIAGRAN
P-4	PHASE 3 TRAFFIC FLOW	DIAGRAN
P-5	PHASE 4 TRAFFIC FLOW	DIAGRAN
P-6	PHASE 5 TRAFFIC FLOW	DIAGRAN
P-7	WATERLINE PHASING DIAG	RAM

### ROADWAY

RI-A IO RI-A	REMUVAL PLANS
R1-B TO R7-B	WATER LINE PLAN AND PROFILES
R1-C TO R7-C	STORM DRAIN PLAN AND PROFILES - FEMA
R1-D TO R7-D	STORM DRAIN LATERAL PROFILES — FEMA
R1-E TO R7-E	SANITARY SEWER POINT REPAIR PLAN
R1-F TO R7-F	STREET IMPROVEMENT PLANS
S-1	TRAFFIC SIGNAL ELECTRICAL PLAN
S-2	LANDSCAPING PLAN
S-3	SIGNING & STRIPING PLAN

### **DETAILS**

B-1	DETAILS (WATER)
C-1	DETAILS (STORM) — FEMA
E-1	DETAILS (SANITARY)
F-1 TO F-5	TYPICAL SECTIONS & DETAILS (STREETS)
F-6	INTERSECTION DETAILS (WATER, STORM, SANITARY
F-7	STREET IMPROVEMENT, 9TH & D INTERSECTION
F-8	STREET IMPROVEMENT, 9TH & MIAN INTERSECTION

TRAFFIC
T-1 CRITICAL ACCESS PLAN

### AGENCY TELEPHONE NUMBERS

CITY OF LEWISTON PUBLIC WORKS DEPARTM	MENT 208 746-3671, ext. 25
STREETS ON CALL	208 791-2311
WATER / WASTEWATER	208 298-3417
WATER / WASTEWATER	200 230-3417
AVISTA UTILITIES	208 798-1473
CABLEONE	208 746-3325
CENTURYLINK	208 798-8380
	200 /30-0000
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 EXIST ING UNDERFORMUND UTILITIES. INFORMATION REGARDING THE LOCATION OF EXISTING UNDERSROUND UTILITIES CAN BE OBTAINED FROM CALLING DIG LINE AT 811.



## **BID DOCUMENTS**

						VAVA EDAUNIO
					SCALE	Warning
					HODIZONITAL	0 1/2 1
					HORIZONTAL	
					AS SHOWN	T.10 D.10 1451014050
					VERTICAL	THIS BAR MEASURES 1/2" ON 11"x17" SHEET
NO.	DATE	FILENAME	DESCRIPTION	BY	NA NA	1" ON 22"x34" SHEET
			REVISIONS		1975	WHEN PLOTTED TO SCALE

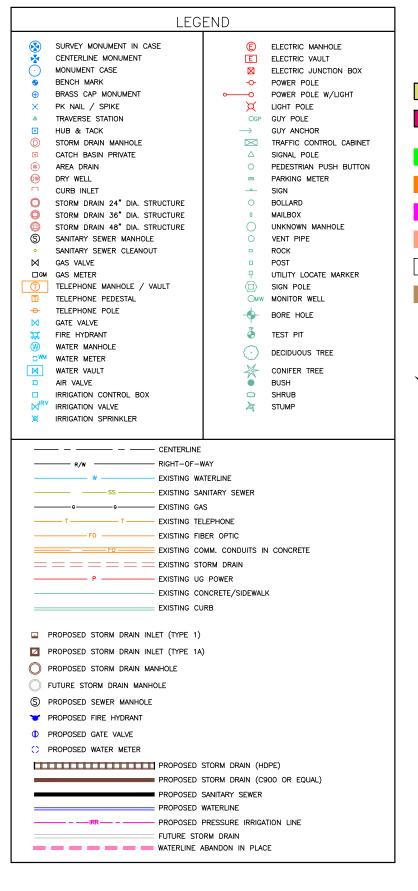
CITY OF LEWISTON
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
215 'D' STREET, LEWISTON, ID 83501
208-746-4316
FAX 208-746-5595

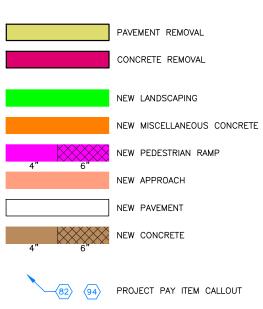


DOWNTOWN INFRASTRUCTURE REPAIR
AND REPLACEMENT PROJECT (IRRP-2015)

COVER AND SHEET INDEX

	2.2 2 0 0		
DESIGNED BY:	DATE:	PROJECT:	
J. KAUFMAN	2014	IRRP-2015	
DRAWN BY:	DATE:	SHEET	_
B. STEWART	2014	1 <sub>OF</sub> 63	
CHECKED BY:	DATE:	DRAWING:	_
S. STUBBERS	JAN.15, 2015	G-1	





SPECIAL NOTE CALLOUT

		–
		t List Table
Sheet Number		Sheet Description
1	G-1	COVER AND SHEET INDEX
2	G-2	LEGEND & SHEET LIST TABLE
3	G-3	GENERAL CONSTRUCTION NOTES
4	G-4	VICINITY MAP & SURVEY CONTROL
5	G-5	STORM DRAIN STRUCTURE INDEX
6	G-6	QUANTITY SUMMARY SHEET
7	P-1	CONSTRUCTION PHASING DIAGRAM
8	P-2	TRAFFIC FLOW DIAGRAM PHASE 1
9	P-3 P-4	TRAFFIC FLOW DIAGRAM PHASE 2
10	<u> </u>	TRAFFIC FLOW DIAGRAM PHASE 3
11	P-5	TRAFFIC FLOW DIAGRAM PHASE 4
12	P-6	TRAFFIC FLOW DIAGRAM PHASE 5
13	P-7	WATER CONSTRUCTION SEQUENCE
14	R1-A	REMOVAL PLAN
15	R1-B	WATER LINE PLAN & PROFILE
		(NO SHEET IN PLAN SET)
	R1-D (NOT USED)	(NO SHEET IN PLAN SET)
16	R1-E	SANITARY SEWER POINT REPAIR PLAN
17	R1-F	STREET IMPROVEMENT PLAN
18	R2-A	REMOVAL PLAN
19	R2-B	WATER LINE PLAN & PROFILE
20	R2-C	STORM DRAIN PLAN & PROFILE
21	R2-D	STORM DRAIN LATERAL PROFILES
22	R2-E	SANITARY SEWER POINT REPAIR PLAN
23	R2-F	STREET IMPROVEMENT PLAN
24	R3-A	REMOVAL PLAN
25	R3-B	WATER LINE PLAN & PROFILE
26	R3-C	STORM DRAIN PLAN & PROFILE
27	R3-D	STORM DRAIN LATERAL PROFILES
28	R3–E	SANITARY SEWER POINT REPAIR PLAN
29	R3-F	STREET IMPROVEMENT PLAN
30	R4-A	REMOVAL PLAN
31	R4-B	WATER LINE PLAN & PROFILE
32	R4-C	STORM DRAIN PLAN & PROFILE
33	R4-D	STORM DRAIN LATERAL PROFILES
	R4-E (NOT USED)	(NO SHEET IN PLAN SET)
34	R4-F	STREET IMPROVEMENT PLAN
35	R5-A	REMOVAL PLAN
36	R5-B	WATER LINE PLAN & PROFILE
37	R5-C	STORM DRAIN PLAN & PROFILE
		(NO SHEET IN PLAN SET)
		(NO SHEET IN PLAN SET)
 70	, ,	
38	R5-F	STREET IMPROVEMENT PLAN
39	R6-A	REMOVAL PLAN
40	R6-B	WATER LINE PLAN & PROFILE

		t List Table		
Sheet Nu	ımber	Sheet	Title	Sheet Description
41	R	6-C		STORM DRAIN PLAN & PROFILE
42	R	6-D		STORM DRAIN LATERAL PROFILES
	R	6-E (NC	T USED)	(NO SHEET IN PLAN SET)
43	R	6-F		STREET IMPROVEMENT PLAN
44	R	7-A		REMOVAL PLAN
45	R	7–B		WATER LINE PLAN & PROFILE
46	R	7-C		STORM DRAIN PLAN & PROFILE
47	R	7-D		STORM DRAIN LATERAL PROFILES
	R	7-E (NC	T USED)	(NO SHEET IN PLAN SET)
48	R	7–F		STREET IMPROVEMENT PLAN
49	S	<b>-1</b>		TRAFFIC SIGNAL ELECTRICAL DETAILS
50	s	-2		LANDSCAPING PLAN
51	s	-3		SIGNING & STRIPING PLAN
52	В	<b>-1</b>		DETAILS WATER
53	C	<b>-1</b>		DETAILS STORM SEWER
54	E.	-1		DETAILS SANITARY SEWER
55	F-	-1		TYPICAL SECTIONS & DETAILS
56	F.	-2		TYPICAL SECTIONS & DETAILS
57	F-	-3		TYPICAL SECTIONS & DETAILS
58	F-	-4		TYPICAL SECTIONS & DETAILS
59	F-	-5		TYPICAL SECTIONS & DETAILS
60	F	-6		INTERSECTION ENLARGEMENTS
61		-7		STREET IMPROVEMENT PLAN
62	F	-8		STREET IMPROVEMENT PLAN
63	T-	<b>-</b> 1		CRITICAL ACCESS PLAN



BID DOCUMENTS

CITY OF LEWISTON
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
215 'D' STREET, LEWISTON, ID 83501
208-746-1316
FAX 208-746-5595



DC	OWNTOWN	INFRA	STRUCTUI	RE REPAIR
AND	REPLACE	MENT	PROJECT	(IRRP-2015)

LEGEND	&	SHEET	LIST	<b>TABLE</b>	
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	2.2 2 0 0	• =
DESIGNED BY:	DATE:	PROJECT:
J. KAUFMAN	2014	IRRP-2015
DRAWN BY:	DATE:	SHEET
B. STEWART	2014	2 <sub>OF</sub> 63
CHECKED BY:	DATE:	DRAWING:
S. STUBBERS	JAN.15, 2015	G-2

#### **GENERAL CONSTRUCTION**

- 1. All construction work shall conform to the City of Lewiston Standards and Specifications and the 2012 version of the Idaho Standards for Public Works Construction (ISPWC). In the case of conflict, the Project Plans and Technical Specifications will prevail over City Standards which will prevail over ISPWC.
- 2. The Contractor and Utility Contractors shall attend a pre-construction conference (and on-site meeting with the City of Lewiston Public Works Supervisor) prior to start of work. The Contractor shall conduct a weekly project meeting with the Engineer and City.
- 3. Contractors shall notify the appropriate agency when materials are on site or inspection of the work is required. No work may begin on any project without Twenty Four (24) hours prior notice.
- 4. Work subject to approval by any governmental agency must be approved prior to (A) backfilling trenches for pipe: (B) placing of aggregate base: (C) placing of concrete: (D) placing of asphalt paving. All newly installed stormwater and wastewater lines shall be videoed per Lewiston Public Works Policy #2012-2 prior to paving and prior to
- 5. 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 DEQ approved construction plans.
- 6. Any deviation from the approved plans and specifications must have the applicable agency approval in writing prior to construction.
- 7. The Contractor shall promptly remove from the vicinity of the completed work, all rubbish, mud in streets, removed materials, all excess materials, construction equipment, temporary structures, and facilities used during construction. Final acceptance and final payment will be withheld until the Contractor has satisfactorily cleaned the site, including staging and waste areas as determined by Public Works Department.
- 8. Adjacent streets shall not be simultaneously closed. Contractor shall maintain critical access points as shown in the plans. Properties with water and sewer services impacted by construction activities shall be notified of construction activities a minimum of 2 days prior to disturbing their service(s).
- 9. Contractors shall be responsible for coordinating with affected franchise utilities during construction.
- 10. Contractor is likely to encounter abandoned pipes, utilities, or other miscellaneous items during excavation; they are to be removed, incidental to related items.

#### TRAFFIC CONTROL

- 1. Contractor shall be responsible to provide traffic control plans for each phase of construction as shown on the "construction phasing diagram", Drawing P-1 and the traffic flow diagrams on Drawings P-2 thru P-6. These plans shall include consideration of pedestrian traffic, both to business entrances and along sidewalks.
- 2. The traffic control plan for each phase of construction (see "construction phasing diagram", Drawing P-1) shall be submitted to the Engineer at least ten working days before construction, and must be approved by the Engineer prior to beginning work.
- 3. All traffic control items shall be included in bid item 1103.4.1.b.1 construction traffic control.
- 4. Traffic control items and signs required to accommodate the specific construction situation, shall be included in the bid price. Signs, flaggers, channelization devices and other traffic control items shall be in accordance with the current Manual on Uniform Traffic Control Devices (MUTCD 2009)
- 5. One lane of traffic, with flaggers, shall remain open during working hours. One lanes of traffic sufficiently signed and delineated shall be open to traffic during non-working hours.
- 6. Place channelization devices (cones, barrels, etc.) On the outside lane edge adjacent to the excavation area in accordance with the MUTCD. Place applicable signs (shoulder drop off, etc.) And warning devices as conditions warrant during construction.
- 7. All traffic control plans shall be submitted on an aerial photo and shall be drawn to scale.
- 8. Minimum allowable traffic lane width shall be 10 ft.

#### ROADWAY

NO. DATE FILENAME

- 1. All Contractors working within the public road right-of-way are required to secure a right-of-way construction permit from the City of Lewiston at least twenty four (24) hours prior to any construction. The City will pay the ROW fee for this project.
- 2. The City of Lewiston will inspect all work within the public rights-of-way to include utility trenches above the pipe zone. The City will inspect all connections to existing infrastructure (water, sewer, and storm drain).
- 3. It shall be the Contractor's responsibility to coordinate changes to traffic and pedestrian lights with the City of Lewiston Street Maintenance Division.
- 4. For the shown landscaped areas, the Contractor shall be responsible for coordinating with, excavating planting beds, and backfilling with topsoil supplied by the City of Lewiston Parks and Recreation Department (Parks & Rec) as well as stubbed irrigation lines. Parks & Rec will purchase and install trees, shrubs, plants, mulch, and irrigation sprinklers and emitters.
- 5. All asphalt joints shall be saw cut unless specifically noted otherwise in the drawings.

DESCRIPTION

- 6. Final and temporary striping of newly paved streets will be the responsibility of the City of Lewiston.
- 7. The coal chute shown in the plans shall be sealed and protected immediately after concrete removal.

#### PUBLIC SURVEY MONUMENT

1. All found public and private survey monuments including centerline monuments, section corners, property pins and reference monuments in the project area are to be shown on the construction plans, referenced before they are disturbed by construction, and reestablished prior to project completion per Idaho Code Title 55, Chapter 16. All public and private land survey monuments that will be disturbed by construction activities must be referenced by an Idaho licensed professional land surveyor prior to disturbance. All disturbed public and private monuments shall be reestablished by an Idaho licensed professional land surveyor before project completion. If monuments are found during construction that are not shown on the construction plans, the monuments must be referenced and reestablished 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 Recorder's office.

SCALE

NA

RTICAL

NA

WARNING

1/2

THIS BAR MEASURES

1/2" ON 11"x17" SHEET
1" ON 22"x34" SHEET
WHEN PLOTTED TO SCAL

#### WATER / SEWER

- 1 Construction of notable water lines shall conform to the standards in the "Idaho Rules for Public Drinking Water Systems (IDAPA 58 01 08)" as well as ISPWC 2012 Properties shall be notified as outlined in General Construction Note No. 8. Standards and specifications referred to in the General Construction Note No. 1.
- 2. The horizontal separation of potable water mains and non-potable water mains (sanitary sewer, storm drain, and irrigation) shall be a minimum of ten (10) feet. Where it is necessary for potable water main and non-potable water main to cross with less than eighteen (18) inches of vertical separation, the crossing shall be constructed in accordance with Section 542.07 of the Idaho Rules for Public Drinking Water Systems (IDAPA 58.01.08) and Section 430.02 of the Wastewater Rules (IDAPA 58.01.16).
- 3. The Contractor shall be responsible for notifying existing water users prior to disrupting service in accordance with General Construction Note No. 8. No user shall be without water or sewer service overnight. No user shall be without water and sewer for more than 4 hours during normal business hours.
- 4. All water works components shall be ANSI/NSF 61 Certified, and must meet all American Water Works Association (AWWA) and standard requirements of the Idaho Rules for Public Drinking Water Systems (IDAPA 58.01.08).
- 5. The design, construction, installation, maintenance and materials to complete a temporary dewatering system to provide adequate dewatering during construction will not be measured and paid for separately but included in the project.
- 6. All utility crossings are considered incidental to the project unless otherwise noted.
- 7. All sewer service laterals shown are drawn from the observed connection point at a 2 percent slope and 90 degree horizontal angle from the sewer line. Actual depth and alignments may vary
- 8. Utility locations shown are approximate. Contractor shall verify exact locations in field prior to excavation. Any utilities damaged during construction shall be repaired by the contractor or utility company, at the contractor's expense, to the satisfaction of the utility company. Contractors shall be responsible to contact the local one-call system at 811 at least two days prior to any digging.
- 9. The new water main shall be constructed in accordance with these plans and the City of Lewiston Standard Drawings. All work shall also be 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.
- 10. The new water main shall be constructed in the sequence indicated by the phasing plan, unless otherwise directed.
- 11. Thrust blocks shall be installed at all fitting locations specified by City Standard Drawing 4-4. Thrust blocks shall be constructed to sizes based on allowable soil stress of 2000 psi. All mechanical joints 10" and smaller shall be equipped with ring-type grip restraint devices.
- 12. The contractor shall pressure test the new water main in accordance with the phasing plan and AWWA C600.
- 13. Disinfection shall be by the City according to the phasing plan Drawing P-7.
- 14. Connection to existing mains shall be in the presence of City Water Dept. personnel.

#### STORM SEWER

- 1. Catch basins and manholes shall be constructed per City of Lewiston, Idaho Public Works Department Standards. See drawing 6-1 through 6-12 for drawing details. Stormwater Type 1 Catch Basin, Std. Dwg 6-8 shall be provided at all locations where pipe sizes permit. Stormwater Type 1a Catch Basin, Std. Dwg 6-9 shall be provided at all locations where larger pipe sizes require their use. All catch basins shall have curb openings unless located within a driveway. Curb openings may be eliminated only in special circumstances and only as approved by the Engineer. Where inlet locations have moved along the curb from the existing location to a new location, the flow line of the gutter or asphalt shall be formed to ensure positive drainage to the new inlet location. Slopes shall not exceed 20% unless approved by the Engineer. Field verification that gutter flow can be achieved shall be performed by the contractor prior to the installation of the inlet.
- 2. Removal of existing storm drain and pipe within the project limits shall be incidental to the new pipe being installed in the same or nearby location. The City will retain ownership of all removed frames, grates, and lids. Contractor shall stockpile removed items in a location designated by the City. Pipes, catch basins, inlets and manholes that shall be removed or abandoned are as shown on the removal plan. Pipes to be abandoned shall be plugged at the disconnected end with a concrete plug. Manholes deeper than 4 feet may be abandoned by removing the top 4 feet of the manhole riser and backfilling with 3/4" aggregate or flowablefill. Compaction within and above the abandoned manhole is required.
- 3. Manhole lids shall be rotated on the underlying structure so they are out of wheel paths.
- 4. Several locations are called out in the plans to connect existing storm drain components to new storm drain components. Work and materials for these connections shall be considered incidental to the new storm drain components unless specifically stated. Industry standard connections shall be used. When coring and grooving is required, a non-shrinking grout shall be used.
- 6. All utility crossings are considered incidental to the project unless otherwise noted.
- 7. Contractor to maintain and preserve construction site drainage. Damage caused by weather will be the responsibility of the contractor. Cleanup and repair will be at the
- 8. Catch basins and manholes shall have the pipes completely grouted on the interior and exterior prior to active use for stormwater connivance.
- 9. Storm drain pipes shall not be grouted until the temperature of the new pipes has equalized to adjacent structures. Grout gaps due to thermal contraction of storm pipes shall be fixed at the Contractor's expense prior to payment.

GENERAL CONSTRUCTION NOTES

**BID DOCUMENTS** 

14487

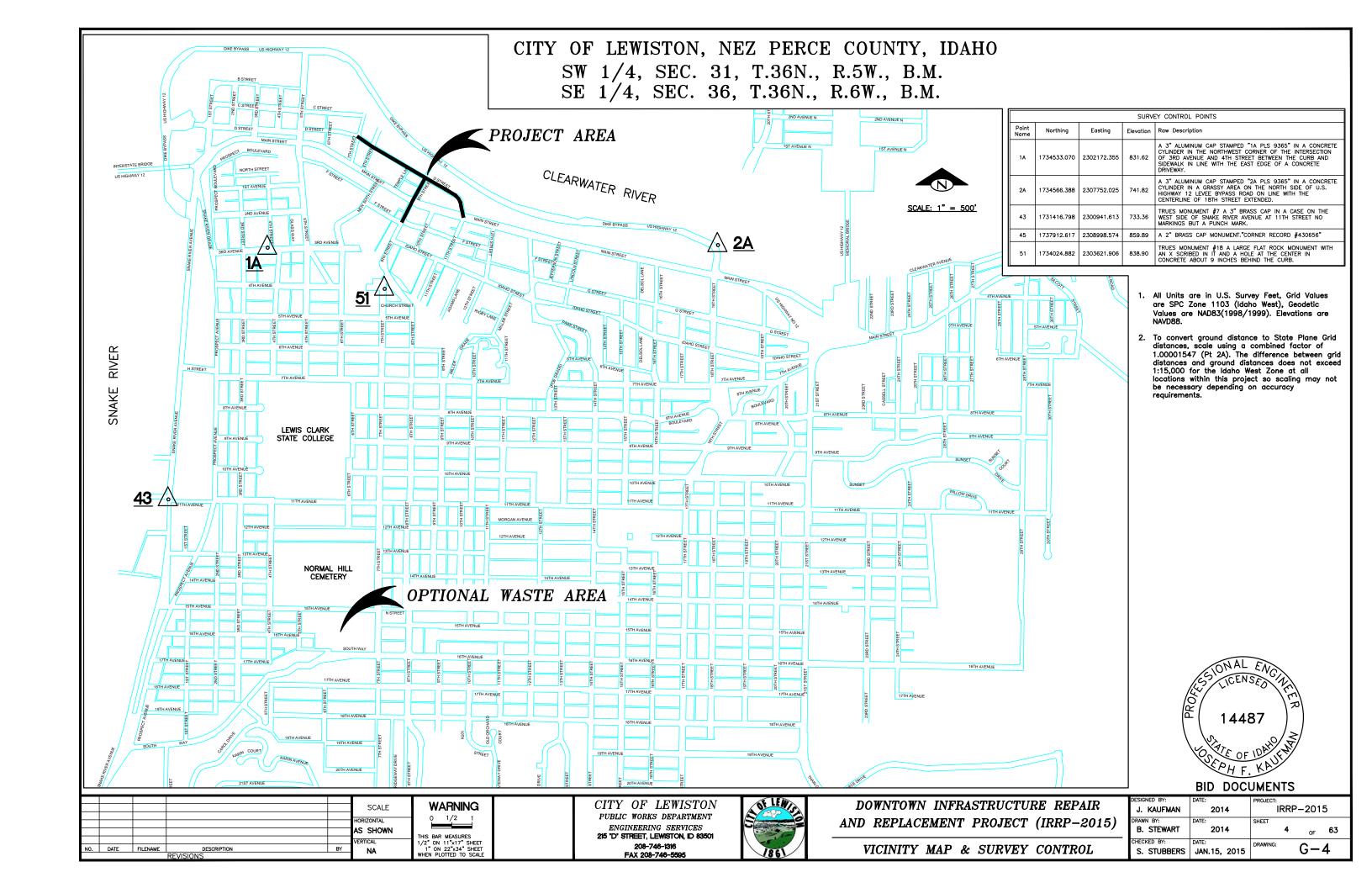
DOWNTOWN INFRASTRUCTURE REPAIR J. KAUFMAN AND REPLACEMENT PROJECT (IRRP-2015)

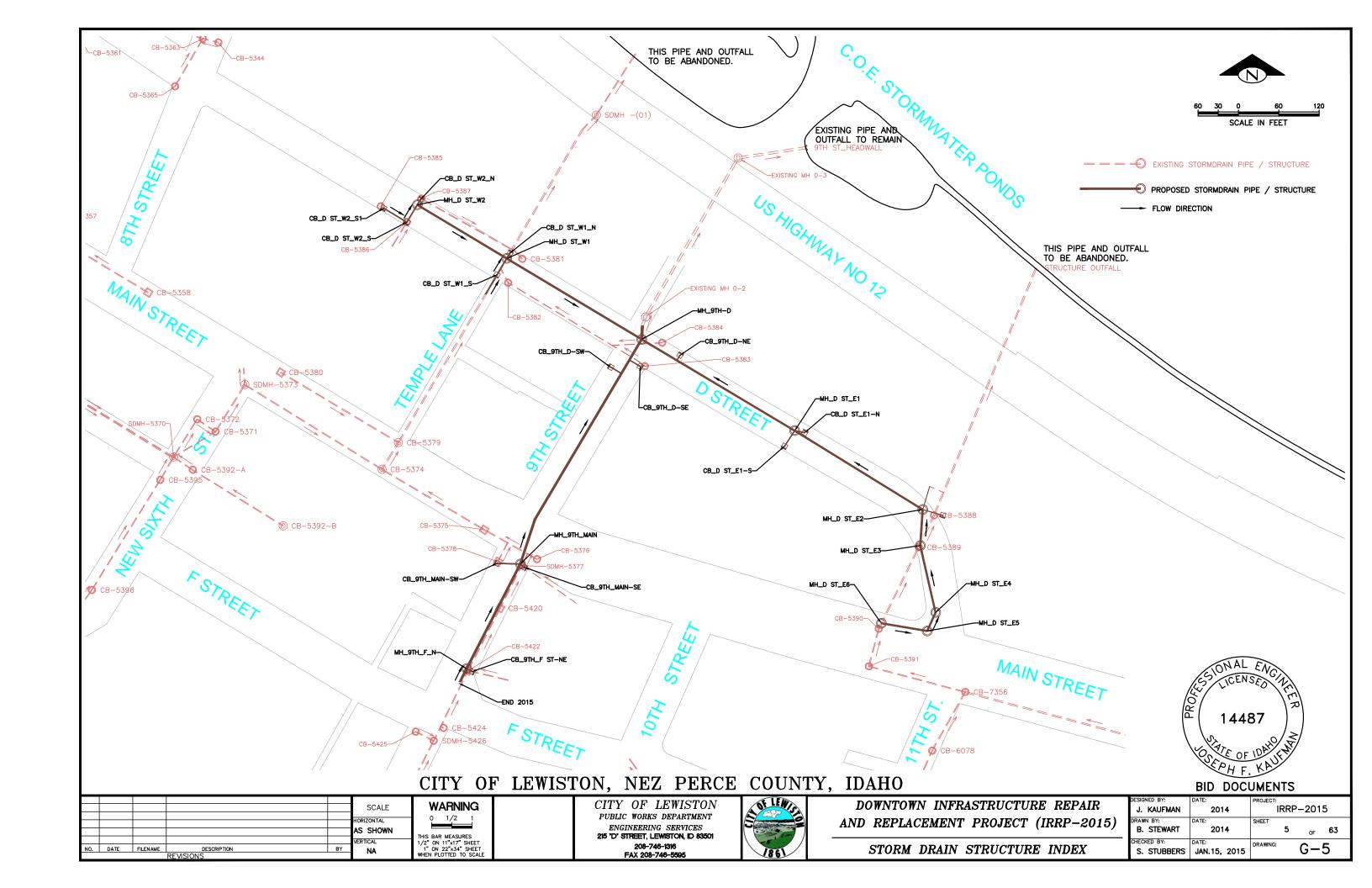
2014 IRRP-2015 B. STEWART 2014 3 CHECKED BY G-3S. STUBBERS JAN.15, 2015

CITY OF LEWISTON PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 215 "D" STREET, LEWISTON, ID 83501



208-746-1316 FAX 208-746-5595





## DOWNTOWN IRRP 2015 PROJECT BASE BID

Item	Bid Item	Description of Item				
No.	No.		Unit	Quantity	Price	Amount
Divis	ion 200 - Earth	work	1			
1	201.4.1.C.1	Removal of Obstructions	EA	10		
2	201.4.1.D.1	Removal of Sidewalk	SY	1,616		
3	201.4.1.D.2	Removal of Bituminous Surface	SY	9,227		
4	201.4.1.E.1	Removal of Curb	LF	2,059		
6	201.4.1.F.2	Removal of Catch Basin	EA	14		
7	SP 201.A	Abandon Pipe In Place (Plug End)	EA	19		
8	SP 201.B	Abandon Pipe (Removal)	EA	4		
9	SP 201.C	Abandon Pipe In place (Grout Fill)	LF	572		
10	202.4.1.C.1	Excavation	SY	3,404		
Divis	ion 300 - Trenc	I	1			
	302.4.1.A.1	Rock Excavation	CY	20		
12	306.4.1.F.1	Service/Utility Trench CDF (flowable) Backfill Main Line Type "P" Surface Restoration (Asphalt	LF	13		
13	307.4.1.G.1	Roadway)	SY	37		
Divis	ion 400 - Water					
15	401.4.1.A.1A	Water Main Pipe - Size 6" - DI - Class 350	LF	168		
16	401.4.1.A.1B	Water Main Pipe - Size 8" - DI - Class 350	LF	50		
17	401.4.1.A.1C	Water Main Pipe - Size 10" - DI - Class 350	LF	1783		
18	401.4.1.A.1D	Water Main Pipe - Size 12" - DI - Class 350	LF	10		
19	401.4.1.B.1	Water Main Fitting - Size" - DI	EA	35		
21	401.4.1.C.1B	Connect to Existing Main - 6"	EA	2		
23	401.4.1.C.1D	Connect to Existing Main - 12"	EA	3		
24	402.4.1.A.1A	Valve - Size 6"	EA	7		
25	402.4.1.A.1B	Valve - Size 8"	EA	2		
26	402.4.1.A.1C	Valve - Size 10"	EA	9		
27	402.4.1.A.1D	Valve - Size 12"	EA	2		
28	403.4.1.A.1	Hy drant	EA	2		
29	404.4.1.A.1A	Water Service Connection, Size"	EA	13		
30	404.4.1.A.1B	Temporary Water Service Connection, Size"	EA	3		
31	SP 404A	Potable Water Main Crossing	EA	2		
32	SP 404B	Water Service Connection, No Meter	EA	7		
33	SP 404C	Remove Inactive Water Service	EA	1		
	ion 500 – Sewe			-		
38	502.4.1.A.1	Sanitary Sewer Manhole - Type A	EA	2		
39	507.4.1.D.3A	Install 8" Full Circle Clamp	EA	2		
40	507.4.1.E.1A	Replace 4" Dia. Pipe	LF	197		
41	507.4.1.E.1B	Replace 8" Dia. Pipe	LF	22		
42	507.4.1.F.1	Repair Service Connection	EA	1		
44	507.4.1.H.3	Remove Flush Tank	EA	1		
45	507.4.1.H.5	Remove Lamp Well	EA	1		
46	509.4.1.E.1	Bypass Sewage Pumping	LS	1		
47	SP 507B	Sanitary Sewer Main Crossing	EA	11		
48	SP 507C	Cut/Plug Inactive Sewer Service	EA	1		
	ion 600 - Storn	Drains				
49	601.4.1.A.5A	12" StormDrain Pipe, Class C900, (PVC)	LF	100		
50	601.4.1.A.5B	15" StormDrain Pipe, Class C900, (PVC)	LF	25		
51	601.4.1.A.5C	24" Storm Drain Pipe, Class C900, (PVC)	LF	50		
52	601.4.1.A.17A	12" StormDrain Pipe, Type S, (CPP)	LF	107		
53	601.4.1.A.17B	15" Storm Drain Pipe, Type S, (CPP)	LF	32		
54	601.4.1.A.17C	24" Storm Drain Pipe, Type S, (CPP)	LF	1050		
55	601.4.1.A.17D	30" Storm Drain Pipe, Type S, (CPP)	LF	565		
		1				

## DOWNTOWN IRRP 2015 PROJECT BASE BID

No.   No.   No.   Lini   Quantity   Price   Amount	Item	Bid Item	Description of Item				
57   SP   60.1.4A   Spiriting Storm Drain Combened   EA   9			Description of item	Unit	Quantity	Price	Amount
Section		SP 601.4A	Existing Storm Drain Connection	EA			
60 602.4 LA.I.C StormDrain Catch Manhole, 72° Diameter EA 1   61 SP 602.48	58	602.4.1.A.1A	Storm Drain Catch Manhole, 48" Diameter	EA	8		
Catch Basin - City of Lewiston Std (Type 1)	59	602.4.1.A.1B	Storm Drain Catch Manhole, 60" Diameter	EA	2		
SP 602.4C   Catch Basin - City of Lewiston Std (Type 1a)   EA   1	60	602.4.1.A.1C	Storm Drain Catch Manhole, 72" Diameter	EA	1		
SP 601.4B   30" Prefabricated Bend Type S, (HDPE)   EA   1   1   1   1   1   1   1   1   1	61	SP 602.4B	Catch Basin - City of Lewiston Std (Type 1)	EA	12		
64 SP 601.4e 36° Prefabricated Bend Type S, (HDPE) EA 1  Division 700 - Concrete  68 SP 707.1 M Misc. Concrete Paving SY 150  69 706.4.1.E.2 Concrete Sidewalk, thickness 6° SY 445  70 706.4.1.E.2 Concrete Sidewalk, thickness 6° SY 445  71 706.4.1.A.3 6° Vertical Curb (No Cutter) IF 200  71 706.1.1.A.5 Standard 6-inch Vertical Curb & Gutter IF 2703  706.4.1.E.1 Concrete Sidewalk, thickness 4° SY 1295  73 706.4.1.E.1 Concrete Sidewalk, thickness 4° SY 1295  74 706.4.1.E.1 Concrete Sidewalk, thickness 4° SY 1295  75 706.4.1.E.1 Concrete Sidewalk, thickness 4° SY 1295  76 706.4.1.E.1 Concrete Sidewalk, thickness 4° SY 1295  77 706.4.1.E.1 Concrete Sidewalk, thickness 4° SY 1295  78 706.4.1.E.1 Concrete Sidewalk, thickness 4° SY 1295  79 706.4.1.E.1 Concrete Sidewalk, thickness 4° SY 1295  70 706.4.1.E.1 Concrete Sidewalk, thickness 4° SY 1295  70 70 70 70 70 70 70 70 70 70 70 70 70 7	62	SP 602.4C	Catch Basin - City of Lewiston Std (Type 1a)	EA	1		
Division 700 - Concrete	63	SP 601.4B	30" Prefabricated Bend Type S, (HDPE)	EA	1		
Division 700 - Concrete	64	SP 601.4c	36" Prefabricated Bend Type S, (HDPE)	EA	1		
Fig. 2007   Fig. 2007   Fig. 2007   Fig. 2007   Fig. 2007   Fig. 2008   Fig. 2009   Fig.	Divis	ion 700 - Conc	•				
70   706.4.1.A.3   6" Vertical Curb (No Gutter)   1.F   200   1.	68	SP 707.1A	Misc. Concrete Paving	SY	150		
71   706.1.1.A.5   Standard 6-inch Vertical Curb & Cutter   1F   2703	69	706.4.1.E.2	Concrete Sidewalk, thickness 6"	SY	445		
72   706.4.1.E.1   Concrete Sidewalk, thickness 4"   SY   1295     73   706.4.1.E.1   Concrete Diveway Approach   SY   616     74   706.4.1.E.1   Pedestrian Runp w Detectable Warning Domes,   Type	70	706.4.1.A.3	6" Vertical Curb (No Gutter)	LF	200		
73   706.4.1.F.1   Concrete Driveway Approach   Pedestrian Ramp w/ Detectable Warning Domes,   Factor   Pedestrian Ramp w/ Detectable Warning Domes,   Factor   Pedestrian Ramp w/ Detectable Warning Domes,   Factor   Pedestrian Curb   Factor   F	71	706.1.1.A.5	Standard 6-inch Vertical Curb & Gutter	LF	2703		
Pedestrian Ramp w/ Detectable Warning Domes, Type	72	706.4.1.E.1	Concrete Sidewalk, thickness 4"	SY	1295		
Pedestrian Ramp w/ Detectable Warning Domes,   EA   12	73	706.4.1.F.1	Concrete Driveway Approach	SY	616		
75   706.4.1.H.3   Pedestrian Curb   I.F   139			Pedestrian Ramp w/ Detectable Warning Domes,				
Division 800 - Aggregates and Asphalt	74			EA	12		
76   802.4.1.A.1   Crushed Aggregate for Base, Type 1   CY   2077			•	LF	139		
77   810.4.1.A.3   Plant Mix Pavement - 4"   SY   7282     78   810.4.4.A.5   Miscellaneous Paving   SY   473     79   SP 810.A   Temporary Paving 1.5"   SY   1600     79   SP 810.A   Temporary Paving 1.5"   SY   1600     70   Division 1000 - Construction Stormwater BMPs     1001.4.1.A.1   Sediment Control   LS   1     1001.4.2.B.1   Stabilized Construction Entrance   EA   2     1006.4.1.C.1   Inlet Protection   EA   14     1004.4.E.1   Conduit, Size 2"   LF   1067     88   1102.4.1.E.1   Conduit, Size 2"   LF   1067     88   1102.4.1.E.1   Junction Box   EA   11     1103.4.1.B.1   Construction Traffic Control   LS   1     1103.4.1.B.1   Construction Traffic Control   LS   1     1105.4.1.A.1   Permanent Signing   SF   100     82   SP 1105.A   Remove and Reset Sign   EA   12     Division 2000 - Miscellaneous     2010.4.1.A.1   Mobilization   LS   1     83   2020.4.1.E.1   Reference and Reset Monuments   EA   10     84   2030.4.1.A.1   Manhole, Adjust to Grade   EA   7     67   SP 7000.1A   Coal Chute   EA   1     85   2030.4.1.C.1   Valve Box, Adjust to Grade   EA   2     86   2030.4.1.D.1   Meter Cover   EA   3     90   901.4.1.A.1   1 1/2" Pressure Irrigation System   EA   1     91   SP 901   Irrigation Supply System   EA   1     92   SP 221   Planter Bed Excavation   CY   148     93   SP 222   Top Soil from Stockpile, Type S1   CY   148     95   SP 603.1A   Planter Inlet Plate   EA   6     90   200.4.1.C.1   Subgrade Seperation Geotextile Fabric, Type 1   SY   7275				T			
R				<b>.</b>			
79   SP 810.A   Temporary Paving 1.5"   SY   1600	77						
Division 1000 - Construction Stormwater BMPs   1001.4.1.A.1   Sediment Control   I.S   1   1   1001.4.2.A.1   Staging area   EA   1   1   1001.4.2.B.1   Stabilized Construction Entrance   EA   2   1006.4.1.C.1   Inlet Protection   EA   14   14   14   14   15   15   16   16   16   16   16   16	78						
1001.4.1.A.1   Sediment Control   LS   1   1001.4.2.A.1   Staging area   EA   1   1001.4.2.B.1   Stabilized Construction Entrance   EA   2   1006.4.1.C.1   Inlet Protection   EA   14   14   14   14   14   14   15   16   16   16   16   16   16   16				SY	1600		
1001.4.2.A.1   Staging area   EA   1	Divis			Γ			
1001.4.2.B.1   Stabilized Construction Entrance   EA   2     1006.4.1.C.1   Inlet Protection   EA   14     Division 1100 - Traffic				<del>                                     </del>			
1006.4.1.C.1   Inlet Protection   EA   14				-			
Division 1100 - Traffic			Stabilized Construction Entrance	EA	2		
ST   1102.4.1.E.1   Conduit, Size 2"	D		l .	EA	14		
88       1102.4.1.G.1       Junction Box       EA       11         89       1102.4.1.G.1       Service Pedestal       EA       1         1103.4.1.B.1       Construction Traffic Control       LS       1         1105.4.1.A.1       Permanent Signing       SF       100         82       SP 1105.A       Remove and Reset Sign       EA       12         Division 2000 – Miscellaneous         2010.4.1.A.1       Mobilization       LS       1         83       2020.4.1.F.1       Reference and Reset Monuments       EA       10         84       2030.4.1.A.1       Manhole, Adjust to Grade       EA       7         85       2030.4.1.A.1       Manhole, Adjust to Grade       EA       1         85       2030.4.1.C.1       Valve Box, Adjust to Grade       EA       2         86       2030.4.1.D.1       Miscellaneous Utility, Ajust to Grade, Type Water       EA       3         86       2030.4.1.D.1       Meter Cover       EA       3         94       SP 706.A       Sidewalk Cross Drain       EA       6         90       901.4.1.A.1       11/2" Pressure Irrigation System       LF       1200         91       SP 901       Irrigati			Ĭ		40.5		
1102.4.1.G.1   Service Pedestal   EA   1							
1103.4.1.B.1   Construction Traffic Control   LS   1							
1105.4.1.A.1   Permanent Signing   SF   100	89	1102.4.1.G.1	Service Pedestal	EA			
82         SP 1105.A         Remove and Reset Sign         EA         12           Division 2000 – Miscellaneous           2010.4.1.A.1         Mobilization         LS         1           83         2020.4.1.F.1         Reference and Reset Monuments         EA         10           84         2030.4.1.A.1         Manhole, Adjust to Grade         EA         7           67         SP 7000.1A         Coal Chute         EA         1           85         2030.4.1.C.1         Valve Box, Adjust to Grade         EA         2           86         2030.4.1.D.1         Miscellaneous Utility, Ajust to Grade, Type Water         EA         3           94         SP 706.A         Sidewalk Cross Drain         EA         6           90         901.4.1.A.1         1 1/2" Pressure Irrigation System         LF         1200           91         SP 901         Irrigation Supply System         EA         1           92         SP 221         Planter Bed Excavation         CY         148           93         SP 222         Top Soil from Stockpile, Type S1         CY         148           95         SP 603.1A         Planter Inlet Plate         EA         6           2050.4.1.C.1 <t< td=""><td></td><td>1103.4.1.B.1</td><td>Construction Traffic Control</td><td>LS</td><td>1</td><td></td><td></td></t<>		1103.4.1.B.1	Construction Traffic Control	LS	1		
Division 2000 - Miscellaneous   2010.4.1.A.1   Mobilization   L.S   1		1105.4.1.A.1	Permanent Signing	SF	100		
2010.4.1.A.1   Mobilization   L.S   1		1	-	EA	12		
83       2020.4.1.F.1       Reference and Reset Monuments       EA       10         84       2030.4.1.A.1       Manhole, Adjust to Grade       EA       7         67       SP 7000.1A       Coal Chute       EA       1         85       2030.4.1.C.1       Valve Box, Adjust to Grade       EA       2         86       2030.4.1.D.1       Miscellaneous Utility, Ajust to Grade, Type Water Meter Cover       EA       3         94       SP 706.A       Sidewalk Cross Drain       EA       6         90       901.4.1.A.1       1 1/2" Pressure Irrigation System       LF       1200         91       SP 901       Irrigation Supply System       EA       1         92       SP 221       Planter Bed Excavation       CY       148         93       SP 222       Top Soil from Stockpile, Type S1       CY       148         95       SP 603.1A       Planter Inlet Plate       EA       6         2050.4.1.C.1       Subgrade Seperation Geotextile Fabric, Type 1       SY       7275	Divis			_			
84       2030.4.1.A.1       Manhole, Adjust to Grade       EA       7         67       SP 7000.1A       Coal Chute       EA       1         85       2030.4.1.C.1       Valve Box, Adjust to Grade       EA       2         86       2030.4.1.D.1       Meter Cover       EA       3         94       SP 706.A       Sidewalk Cross Drain       EA       6         90       901.4.1.A.1       1 1/2" Pressure Irrigation System       LF       1200         91       SP 901       Irrigation Supply System       EA       1         92       SP 221       Planter Bed Excavation       CY       148         93       SP 222       Top Soil from Stockpile, Type S1       CY       148         95       SP 603.1A       Planter Inlet Plate       EA       6         2050.4.1.C.1       Subgrade Seperation Geotextile Fabric, Type 1       SY       7275							
67         SP 7000.1A         Coal Chute         EA         1           85         2030.4.1.C.1         Valve Box, Adjust to Grade         EA         2           86         2030.4.1.D.1         Miscellaneous Utility, Ajust to Grade, Type Water Meter Cover         EA         3           94         SP 706.A         Sidewalk Cross Drain         EA         6           90         901.4.1.A.1         1 1/2" Pressure Irrigation System         LF         1200           91         SP 901         Irrigation Supply System         EA         1           92         SP 221         Planter Bed Excavation         CY         148           93         SP 222         Top Soil from Stockpile, Type S1         CY         148           95         SP 603.1A         Planter Inlet Plate         EA         6           2050.4.1.C.1         Subgrade Seperation Geotextile Fabric, Type 1         SY         7275	83	2020.4.1.F.1	Reference and Reset Monuments	EA	10		
85       2030.4.1.C.1       Valve Box, Adjust to Grade       EA       2         86       2030.4.1.D.1       Miscellaneous Utility, Ajust to Grade, Type Water Meter Cover       EA       3         94       SP 706.A       Sidewalk Cross Drain       EA       6         90       901.4.1.A.1       1 1/2" Pressure Irrigation System       LF       1200         91       SP 901       Irrigation Supply System       EA       1         92       SP 221       Planter Bed Excavation       CY       148         93       SP 222       Top Soil from Stockpile, Type S1       CY       148         95       SP 603.1A       Planter Inlet Plate       EA       6         2050.4.1.C.1       Subgrade Seperation Geotextile Fabric, Type 1       SY       7275	84	2030.4.1.A.1	Manhole, Adjust to Grade	EA	7		
Miscellaneous Utility, Ajust to Grade, Type Water   EA   3	67	SP 7000.1A	Coal Chute	EA	1		
86       2030.4.1.D.1       Meter Cover       EA       3         94       SP 706.A       Sidewalk Cross Drain       EA       6         90       901.4.1.A.1       1 1/2" Pressure Irrigation System       LF       1200         91       SP 901       Irrigation Supply System       EA       1         92       SP 221       Planter Bed Excavation       CY       148         93       SP 222       Top Soil from Stockpile, Type S1       CY       148         95       SP 603.1A       Planter Inlet Plate       EA       6         2050.4.1.C.1       Subgrade Seperation Geotextile Fabric, Type 1       SY       7275	85	2030.4.1.C.1		EA	2		
90         901.4.1.A.1         1 1/2" Pressure Irrigation System         LF         1200           91         SP 901         Irrigation Supply System         EA         1           92         SP 221         Planter Bed Excavation         CY         148           93         SP 222         Top Soil from Stockpile, Type S1         CY         148           95         SP 603.1A         Planter Inlet Plate         EA         6           2050.4.1.C.1         Subgrade Seperation Geotextile Fabric, Type 1         SY         7275	86	2030.4.1.D.1		EA	3		
91         SP 901         Irrigation Supply System         EA         1           92         SP 221         Planter Bed Excavation         CY         148           93         SP 222         Top Soil from Stockpile, Type S1         CY         148           95         SP 603.1A         Planter Inlet Plate         EA         6           2050.4.1.C.1         Subgrade Seperation Geotextile Fabric, Type 1         SY         7275	94	SP 706.A	Sidewalk Cross Drain	EA	6		
92         SP 221         Planter Bed Excavation         CY         148           93         SP 222         Top Soil from Stockpile, Type S1         CY         148           95         SP 603.1A         Planter Inlet Plate         EA         6           2050.4.1.C.1         Subgrade Seperation Geotextile Fabric, Type 1         SY         7275	90	901.4.1.A.1	1 1/2" Pressure Irrigation System	LF	1200		
93         SP 222         Top Soil from Stockpile, Type S1         CY         148           95         SP 603.1A         Planter Inlet Plate         EA         6           2050.4.1.C.1         Subgrade Seperation Geotextile Fabric, Type 1         SY         7275	91	SP 901	Irrigation Supply System	EA	1		
93         SP 222         Top Soil from Stockpile, Type S1         CY         148           95         SP 603.1A         Planter Inlet Plate         EA         6           2050.4.1.C.1         Subgrade Seperation Geotextile Fabric, Type 1         SY         7275	92	SP 221	Planter Bed Excavation	CY	148		
95         SP 603.1A         Planter Inlet Plate         EA         6           2050.4.1.C.1         Subgrade Seperation Geotextile Fabric, Type 1         SY         7275	93	SP 222	Top Soil from Stockpile, Type S1				
2050.4.1.C.1 Subgrade Seperation Geotextile Fabric, Type 1 SY 7275							
		SP 2000A	Project Quality Control	LS	1		

### DOWNTOWN IRRP 2015 PROJECT ADD ALTERNATE 1: WEST D STREET

Item	Bid Item	Description of Item				
No.	No.		Unit	Quantity	Price	Amount
Divis	ion 200 - Earth	work				
1	201.4.1.C.1	Removal of Obstructions	EA	5		
3	201.4.1.D.2	Removal of Bituminous Surface	SY	738		
7	SP 201.A	Abandon Pipe In Place (Plug End)	EA	6		
Divis	ion 300 - Trenc	hing				
		Main Line Type "P" Surface Restoration (Asphalt				
	307.4.1.G.1	Roadway)	SY	738		
Divis	ion 400 - Water	•				
15	401.4.1.A.1A	Water Main Pipe - Size 6" - DI - Class 350	LF	28		
17	401.4.1.A.1C	Water Main Pipe - Size 10" - DI - Class 350	LF	550		
19	401.4.1.B.1	Water Main Fitting - Size" - DI	EA	26		
20	401.4.1.C.1A	Connect to Existing Main - 4"	EA	2		
21	401.4.1.C.1B	Connect to Existing Main - 6"	EA	2		
22	401.4.1.C.1C	Connect to Existing Main - 8"	EA	2		
26	402.4.1.A.1C	Valve - Size 10"	EA	6		
32	SP 404B	Water Service Connection, No Meter	EA	3		
Divis	ion 500 – Sewe	r				
39	507.4.1.D.3A	Install 8" Full Circle Clamp	EA	2		
41	507.4.1.E.1B	Replace 8" Dia. Pipe	LF	60		
42	50 <b>7</b> .4.1.F.1	Repair Service Connection	EA	3		
46	509.4.1.E.1	Bypass Sewage Pumping	LS	1		
47	SP 507B	Sanitary Sewer Main Crossing	EA	2		
Divis	ion 1100 – Traj	ffic				
	1103.4.1.B.1	Construction Traffic Control	LS	1		
Divis	ion 2000 – Mis	cellaneous				
	2010.4.1.A.1	Mobilization	LS	1		
	SP 2000A	Project Quality Control	LS	1		



BID DOCUMENTS

SCALE
HORIZONTAL
NA
THIS BAR MEASURES
1/2" ON 11"x17" SHEET
1" ON 22"x34" SHEET
REVISIONS

NA

SCALE

WARNING

0 1/2 1

THIS BAR MEASURES
1/2" ON 11"x17" SHEET
1" ON 22"x34" SHEET
WHEN PLOTTED TO SCALE

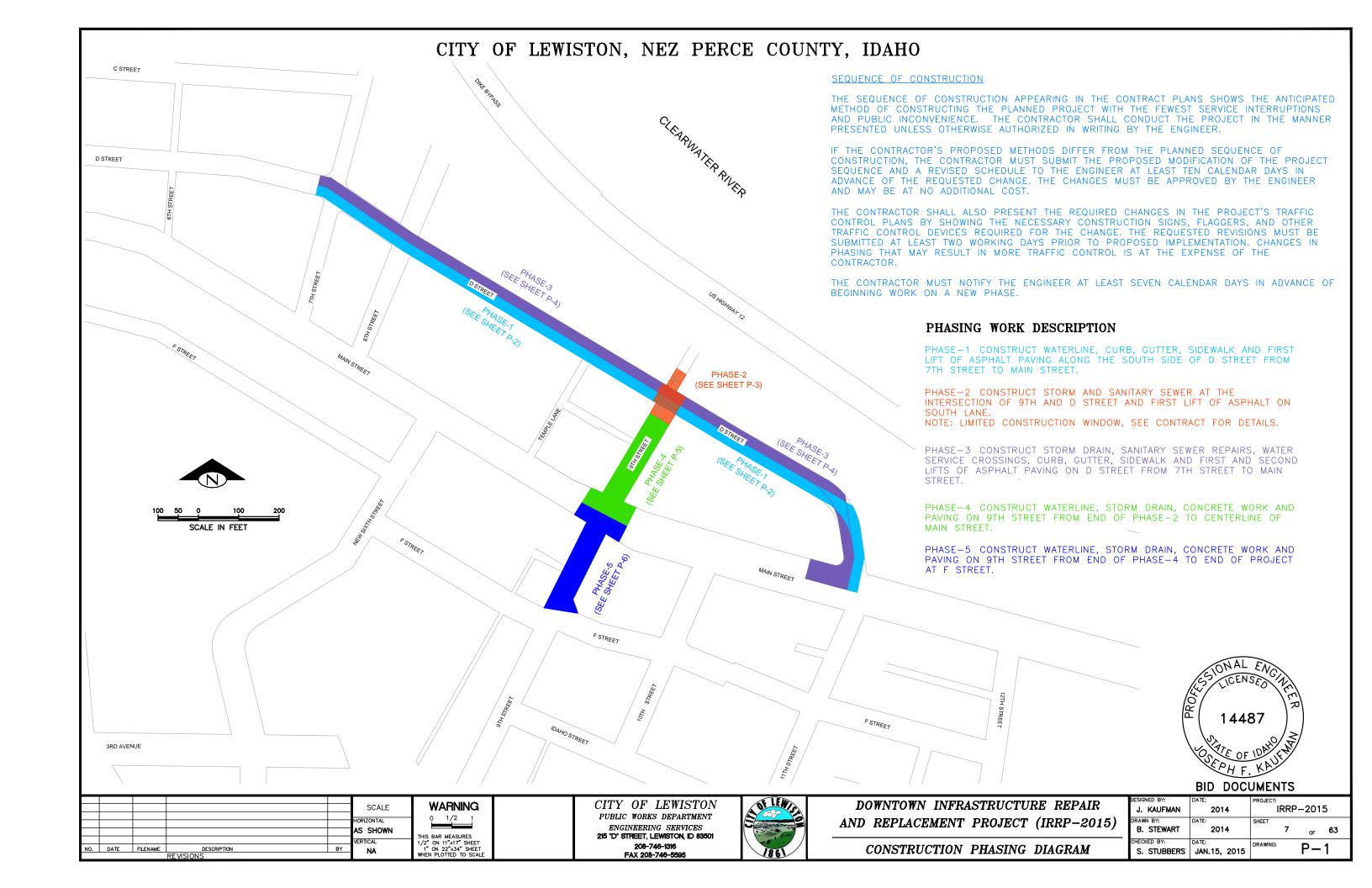
CITY OF LEWISTON
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
215 'D' STREET, LEWISTON, ID 83501
208-748-1316
FAX 208-746-5595

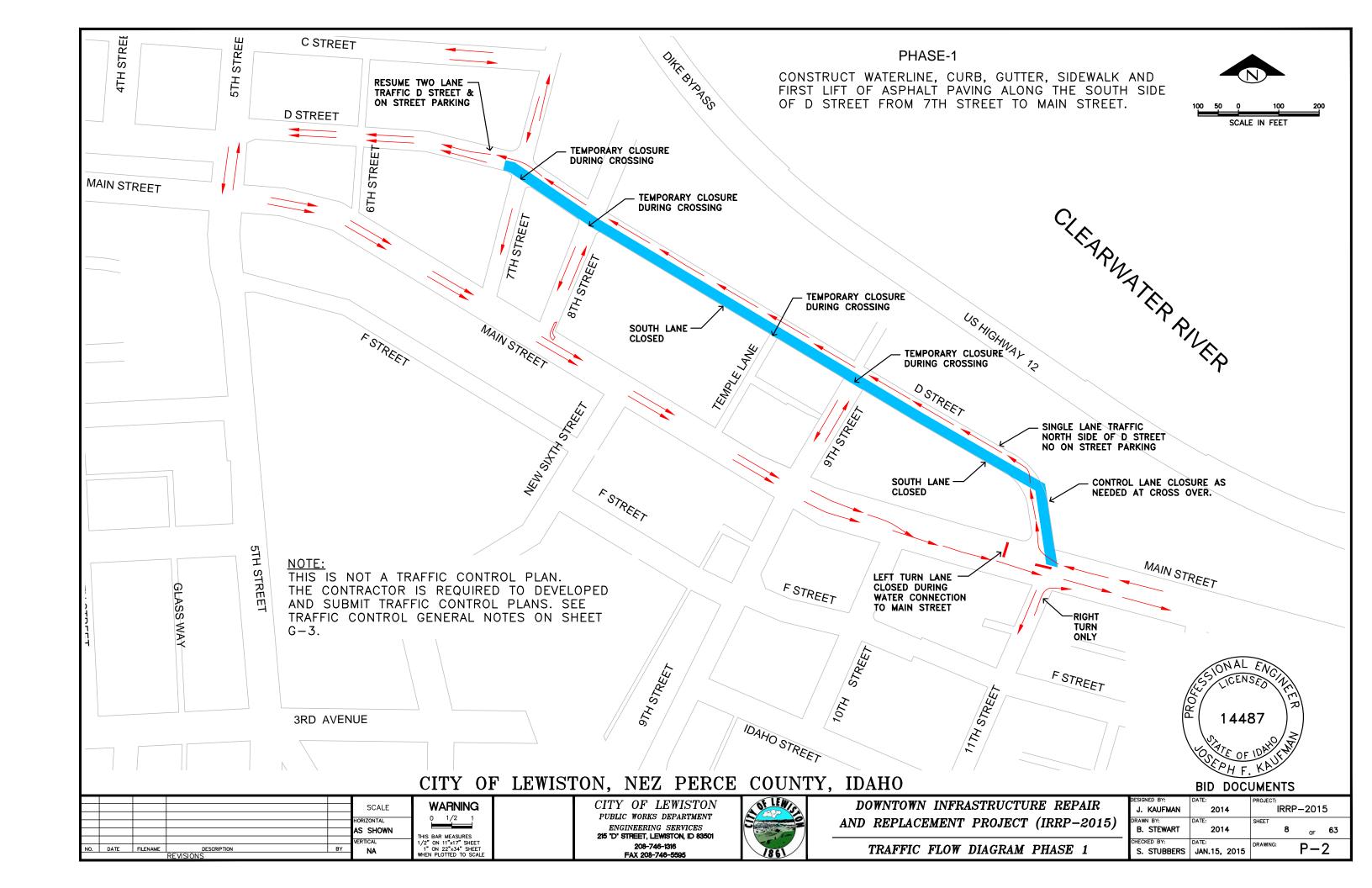


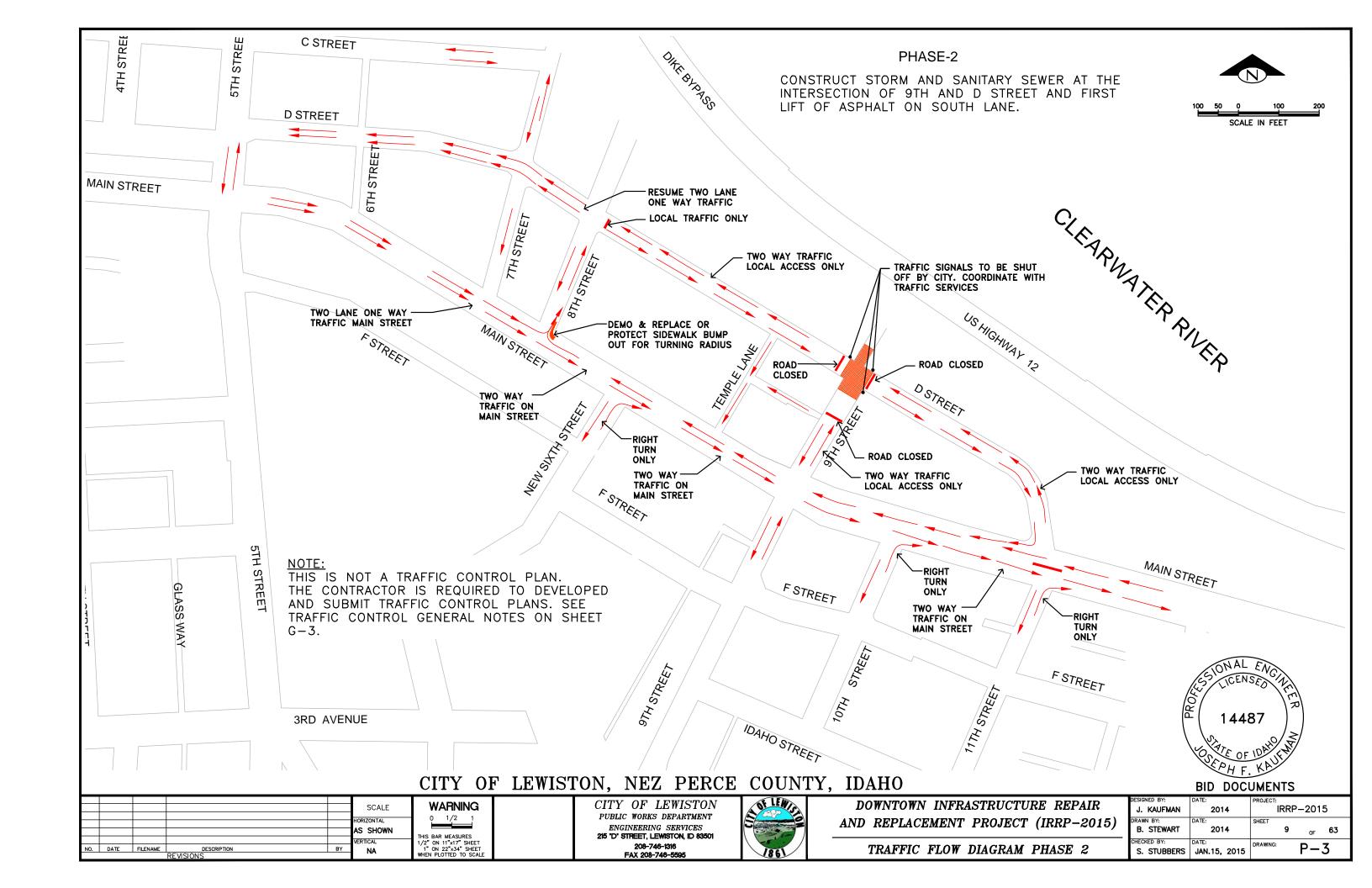
DO	<b>WNTOWN</b>	INFRA	STRUCTUI	RE	REPAII	3
AND	REPLACE	MENT	PROJECT	(IR	RP-20	15)

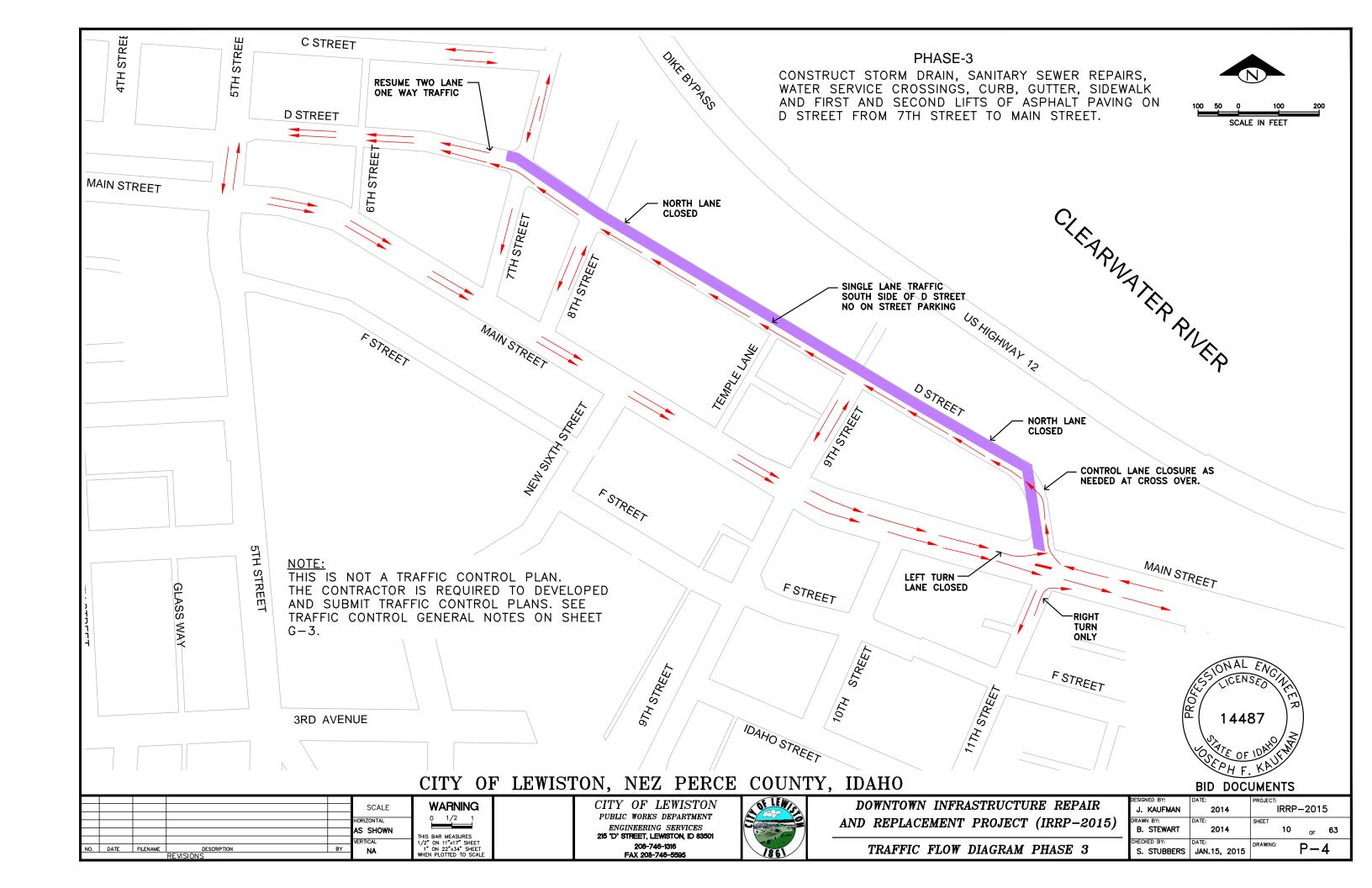
<b>QUANTITY</b>	<b>SUMMARY</b>	SHEET
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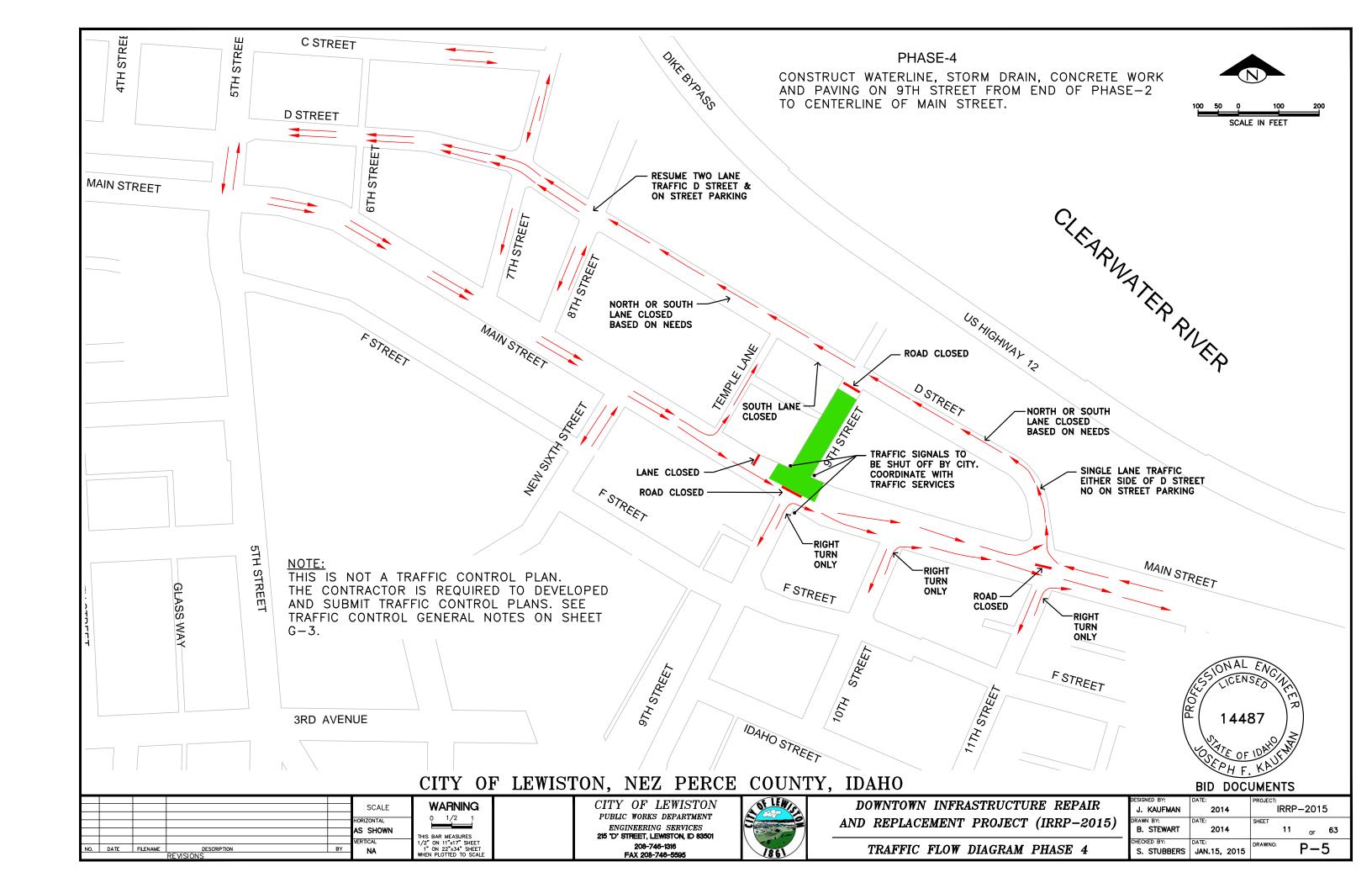
DESIGNED BY:	DATE:	PROJECT:
J. KAUFMAN	2014	IRRP-2015
DRAWN BY:	DATE:	SHEET
B. STEWART	2014	6 <sub>OF</sub> 63
CHECKED BY: S. STUBBERS	DATE: JAN.15, 2015	DRAWING: G-6

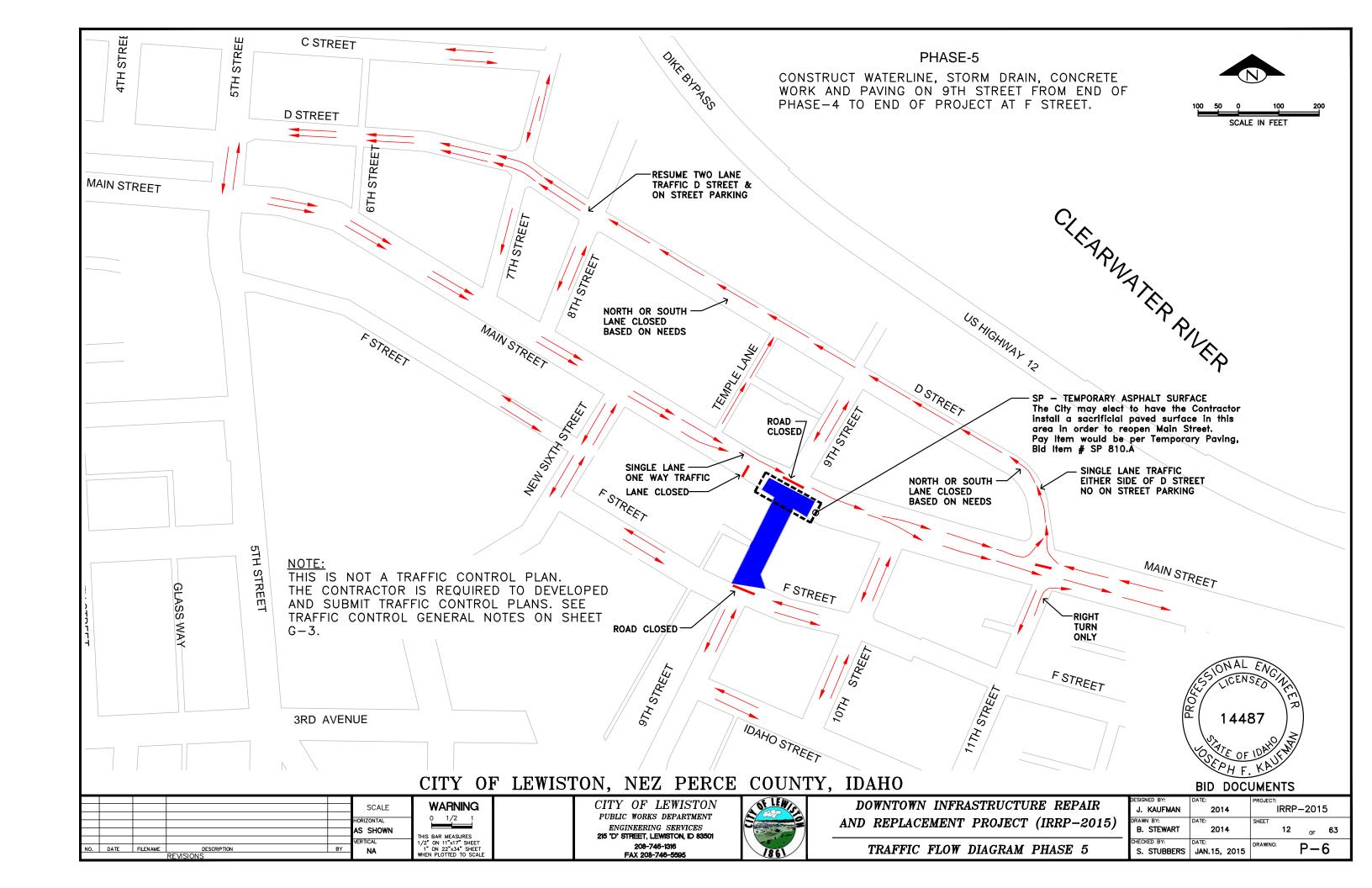


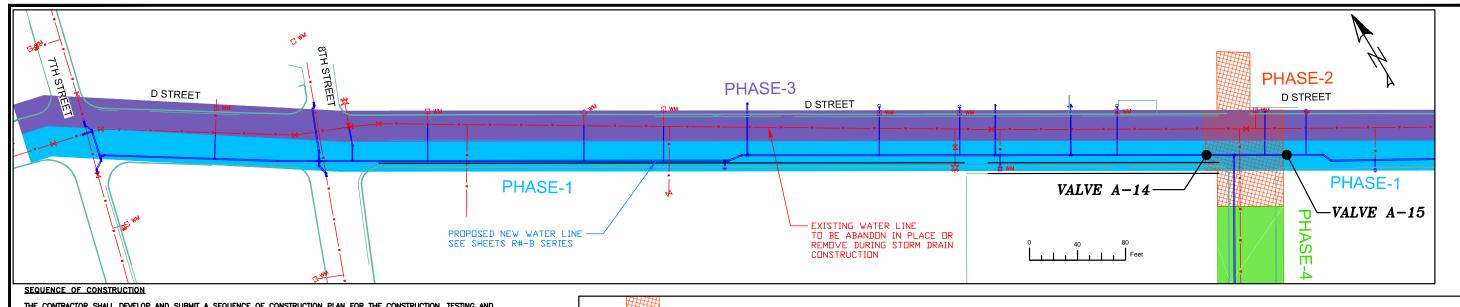












THE CONTRACTOR SHALL DEVELOP AND SUBMIT A SEQUENCE OF CONSTRUCTION PLAN FOR THE CONSTRUCTION, TESTING AND DISINFECTION OF THE NEW WATER LINES AND THE ISOLATION, RECONNECTION TO THE EXISTING LINES AND SERVICE CONNECTIONS AND THE ABANDONMENT OF OLD LINES. THE PROPOSED SEQUENCE OF CONSTRUCTION SHALL BE SUBMITTED TO THE ENGINEER AT LEAST TEN WORKING DAYS BEFORE CONSTRUCTION, AND MUST BE APPROVED BY THE ENGINEER PRIOR TO BEGINNING WORK. THIS DRAWING SHOWS THE EXISTING WATER LINES AND APPARATUS AS BEST DETERMINED AT THIS TIME, THE PROPOSED NEW WATER LINES TO BE CONSTRUCTED AND THE CONSTRUCTION PASING AS DEFINED ON SHEET P-1 SHOWING THE ANTICIPATED SEQUENCE FOR CONSTRUCTING THE PLANNED PROJECT WITH THE FEWEST SERVICE INTERRUPTIONS AND PUBLIC INCONVENIENCE.

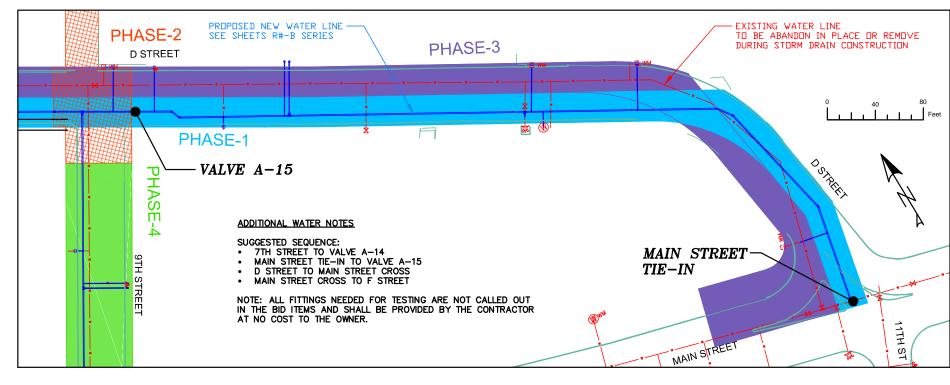
#### HYDROSTATIC TEST

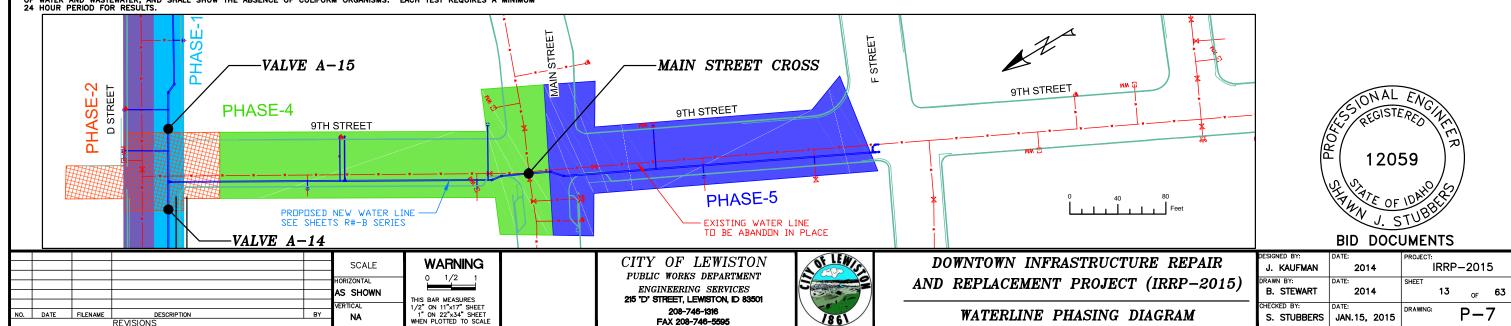
MAKE PRESSURE AND LEAKAGE TESTS ON ALL NEWLY LAID PIPE AND VALVED SECTIONS OF IT. FURNISH ALL NECESSARY EQUIPMENT AND MATERIAL, MAKE ALL TAPS, AND FURNISH ALL CLOSURE PIECES IN THE PIPE AS REQUIRED. THE CITY WILL MONITOR AND APPROVE A SATISFACTORY TEST. PRESSURE TEST PROCEDURES SHALL CONFORM TO AWWA C600 AS HEREINAFTER MODIFIED OR EXPANDED, AND THE REQUIREMENTS OF ANY GOVERNING AGENCY HAVING JURISDICTION. CONDUCT TESTS AFTER THE TRENCH HAS BEEN PARTIALLY BACK-FILLED WITH THE JOINTS LEFT EXPOSED FOR INSPECTION, OR WHEN COMPLETELY BACK-FILLED, AS PERMITED BY THE CITY. WHERE ANY SECTION OF PIPE IS PROVIDED WITH CONCRETE THRUST BLOCKING, DO NOT CONDUCT PRESSURE TEST UNTIL AT LEAST 2 DAYS HAVE ELAPSED AFTER THE CONCRETE THRUST BLOCKING WAS INSTALLED. IF HIGH-EARLY CEMENT IS USED FOR THE CONCRETE THRUST BLOCKING, THE TIME MAY BE REDUCED TO 1 DAY. AFTER THE PIPE HAS BEEN BACK-FILLED OR PARTIALLY BACK-FILLED, AS HEREIN SPECIFIED, FILL THE PIPE WITH WATER, EXPELLING AIR DURING FILLING, AND PERMIT IT TO STAND FOR A 24-HOUR PERIOD TO ALLOW NATURAL ABSORPTION TO TAKE PLACE. THE PIPE HAS BEEN BECK INTO TO THE TEST SHALL BE THE GREATER OF 1.5 TIMES THE WORKING PRESSURE OR 150 PSI. BEFORE DISINFECTING, FLUSH ALL FOREIGN MATTER FROM THE PIPELINE. PROVIDE HOSES, PUMPS, TEMPORARY PIPES, DITCHES, ETC., AS REQUIRED TO DISPOSE OF FLUSHING WATER WITHOUT DAMAGE TO ADJACENT PROPERTIES. FLUSHING VELOCITIES SHALL BE AT LEAST 2.5 FPS. FOR LARGE DAMBETER PIPE WHERE IT IS IMPRACTICAL OR IMPOSSIBLE TO FLUSH THE PIPE AT 2.5 FPS VELOCITY, CLEAN THE PIPELINE IN PLACE FROM THE INSIDE BY BRUSHING AND SWEEPING, THEN FLUSH THE LINE AT A LOWER VELOCITY.

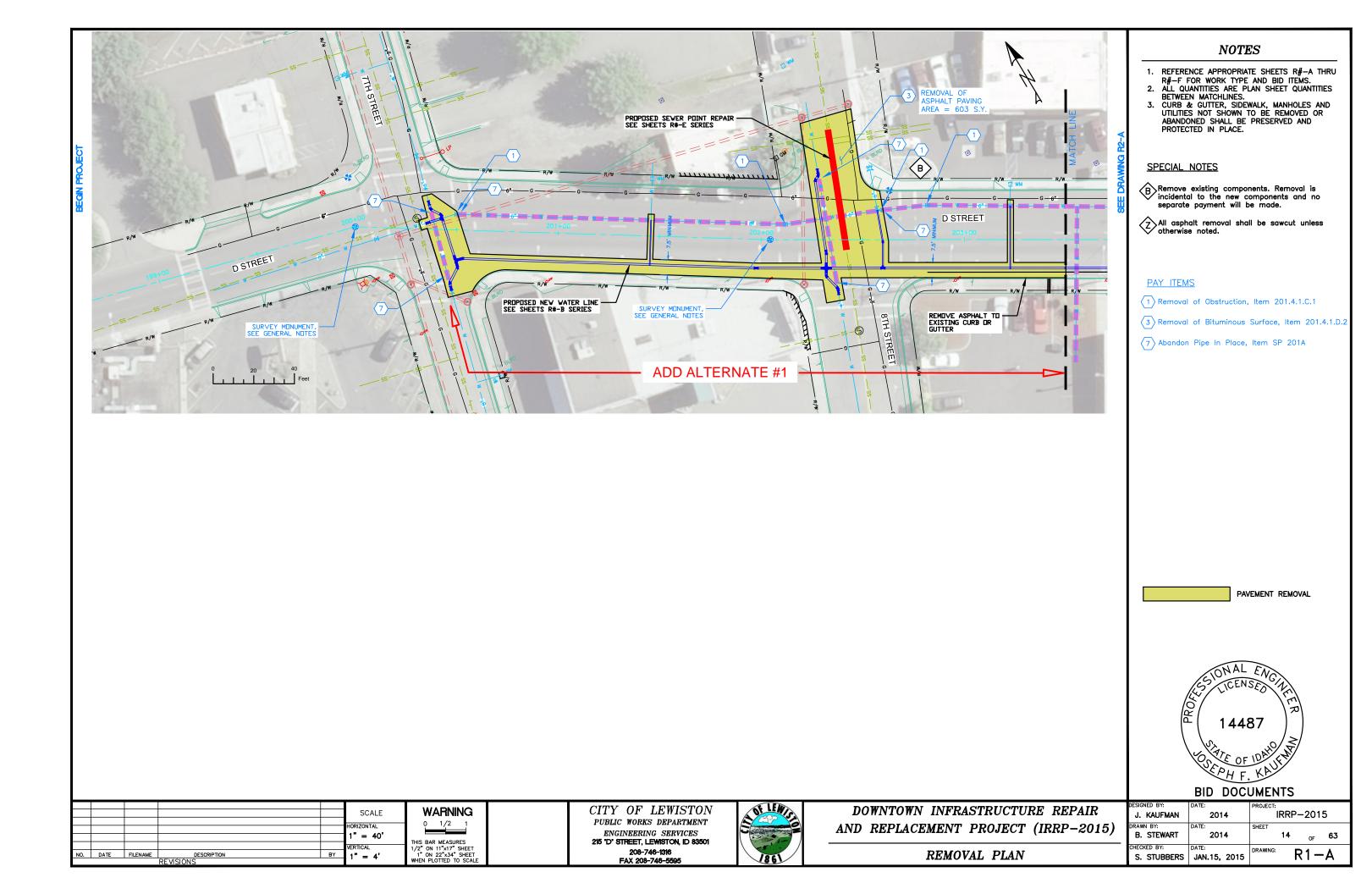
#### DISINFECTIO

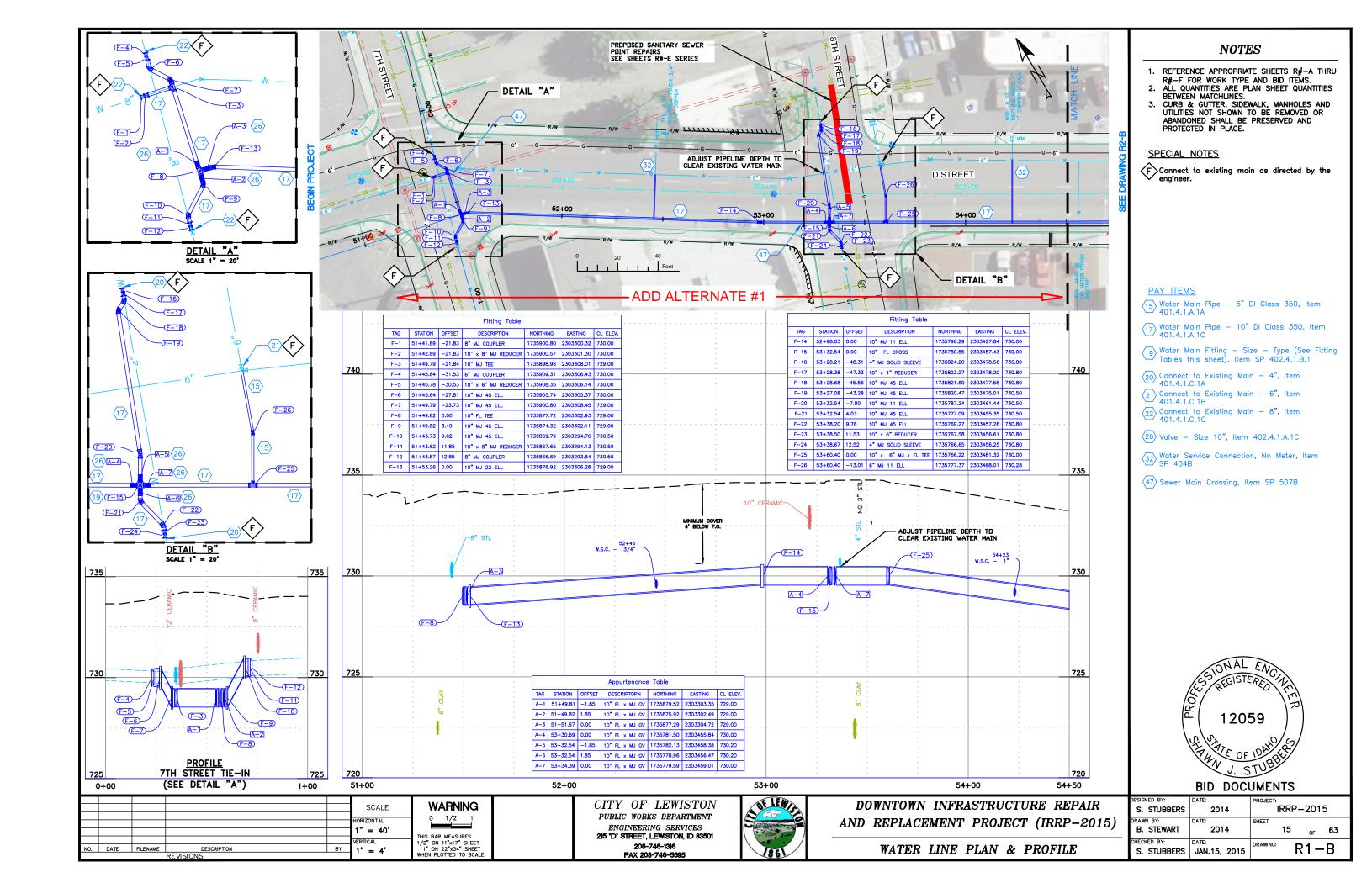
PIPELINES INTENDED TO CARRY POTABLE WATER SHALL BE DISINFECTED AND TESTED BY THE CITY BEFORE PLACING IN SERVICE. DISINFECTION PROCEDURES SHALL CONFORM TO AWWA C651 AS HEREINAFTER MODIFIED OR EXPANDED, AND THE REQUIREMENTS OF ANY GOVERNING AGENCY HAVING JURISDICTION. TREATED WATER SHALL BE RETAINED IN THE PIPELINE LONG ENOUGH TO DESTROY ALL NONSPORE—FORMING BACTERIA, OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE TO OPERATE ALL NEW VALVES, HYDRANTS AND OTHER APPURTENANCES DURING DISINFECTION TO ASSURE THAT THE DISINFECTING MIXTURE IS DISPERSED INTO ALL PARTS OF THE LINE, INCLUDING DEAD ENDS, NEW SERVICES AND SIMILAR AREAS THAT OTHERWISE MAY NOT RECEIVE THE TREATED WATER. AFTER THE APPLICABLE RETENTION PERIOD, HEAVILY CHLORINATED WATER WILL BE FLUSHED FROM THE NEW MAIN. AFTER FINAL FLUSHING AND BEFORE THE NEW MAIN IS CONNECTED TO THE DISTRIBUTION SYSTEM, TWO CONSECUTIVE SETS OF ACCEPTABLE SAMPLES, TAKEN AT LEAST 24 HOURS APART, SHALL BE COLLECTED FROM THE NEW MAIN.

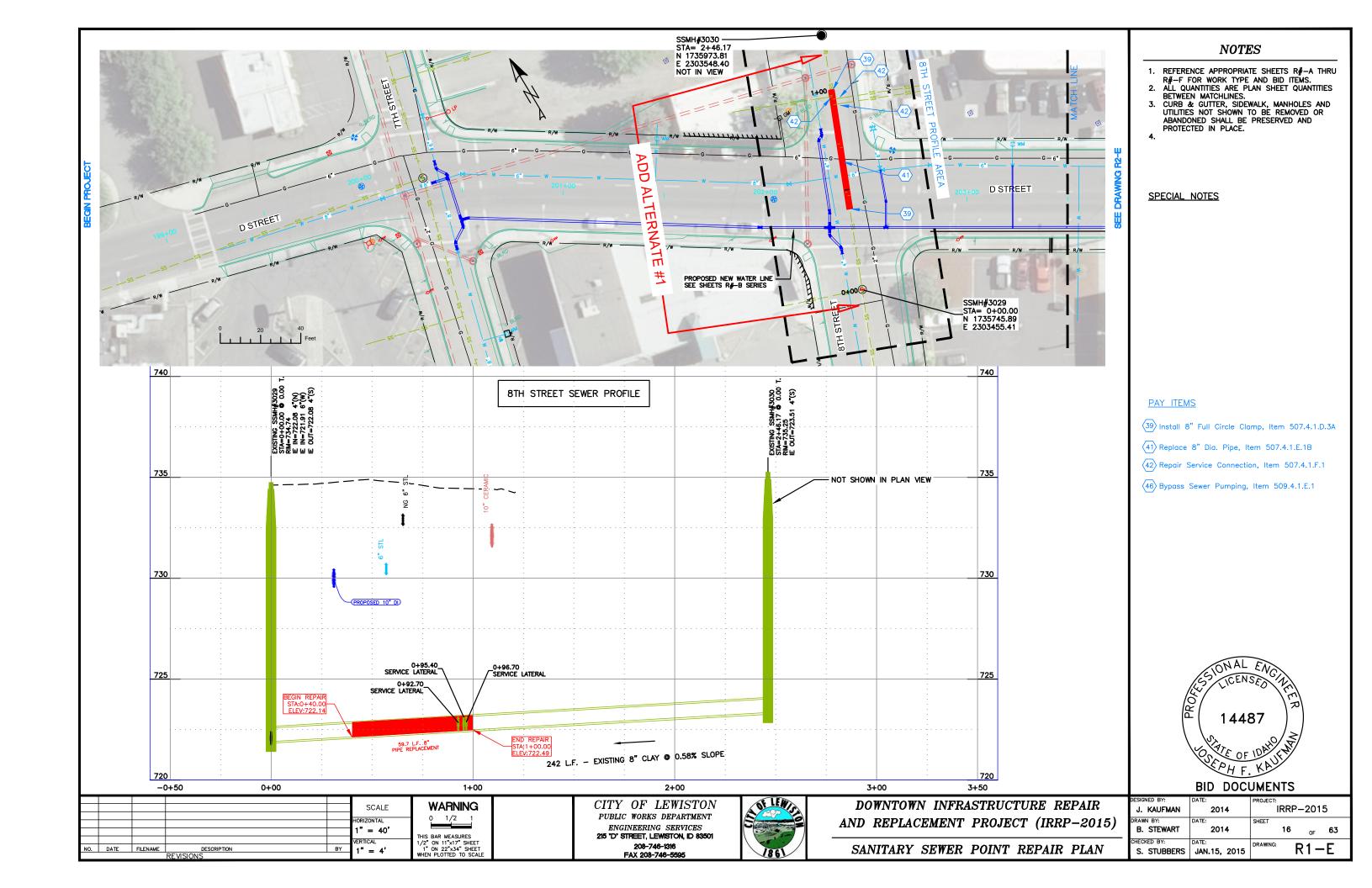
THE CONTRACTOR SHALL PROVIDE TESTING LOCATIONS AS DETERMINED BY THE SEQUENCE OF CONSTRUCTION PLAN OR AS DIRECTED BY THE ENGINEER. A COMBINATION BLOWOFF AND SAMPLING TAP IS RECOMMENDED, BUT SAMPLES MAY BE TAKEN AT TAPPED SADDLE LOCATIONS PROVIDED THAT THE SADDLE IS USED FOR A SERVICE CONNECTION AT THE COMPLETION OF THE PROJECT. NO HOSE OF FIRE HYDRANT MAY BE USED IN THE COLLECTION OF SAMPLES. ALL SAMPLES SHALL BE TESTED FOR BACTERIOLOGICAL QUALITY IN ACCORDANCE WITH STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, AND SHALL SHOW THE ABSENCE OF COLIFORM ORGANISMS. EACH TEST REQUIRES A MINIMUM 24 HOUR PERIOD FOR RESULTS.

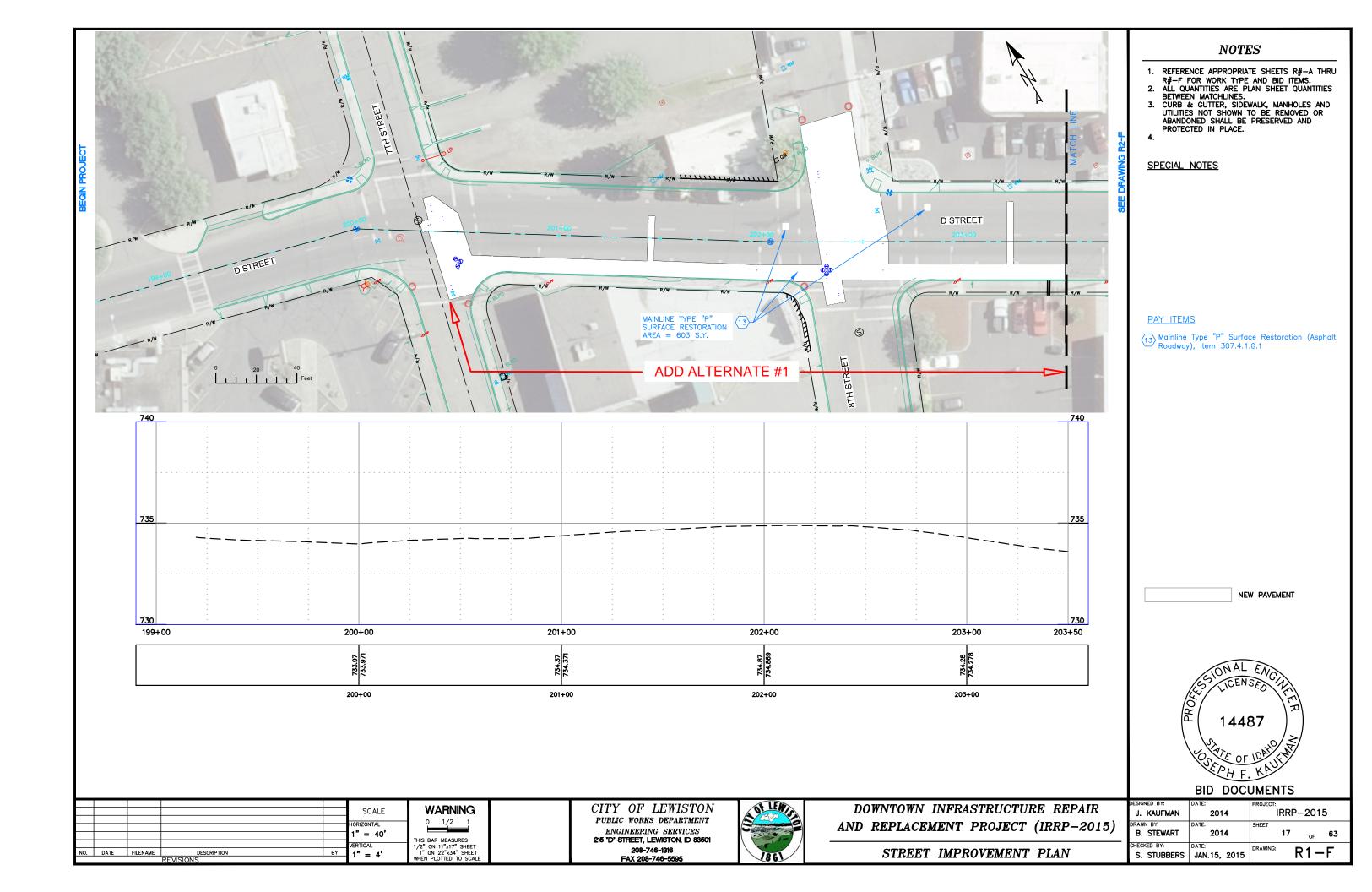


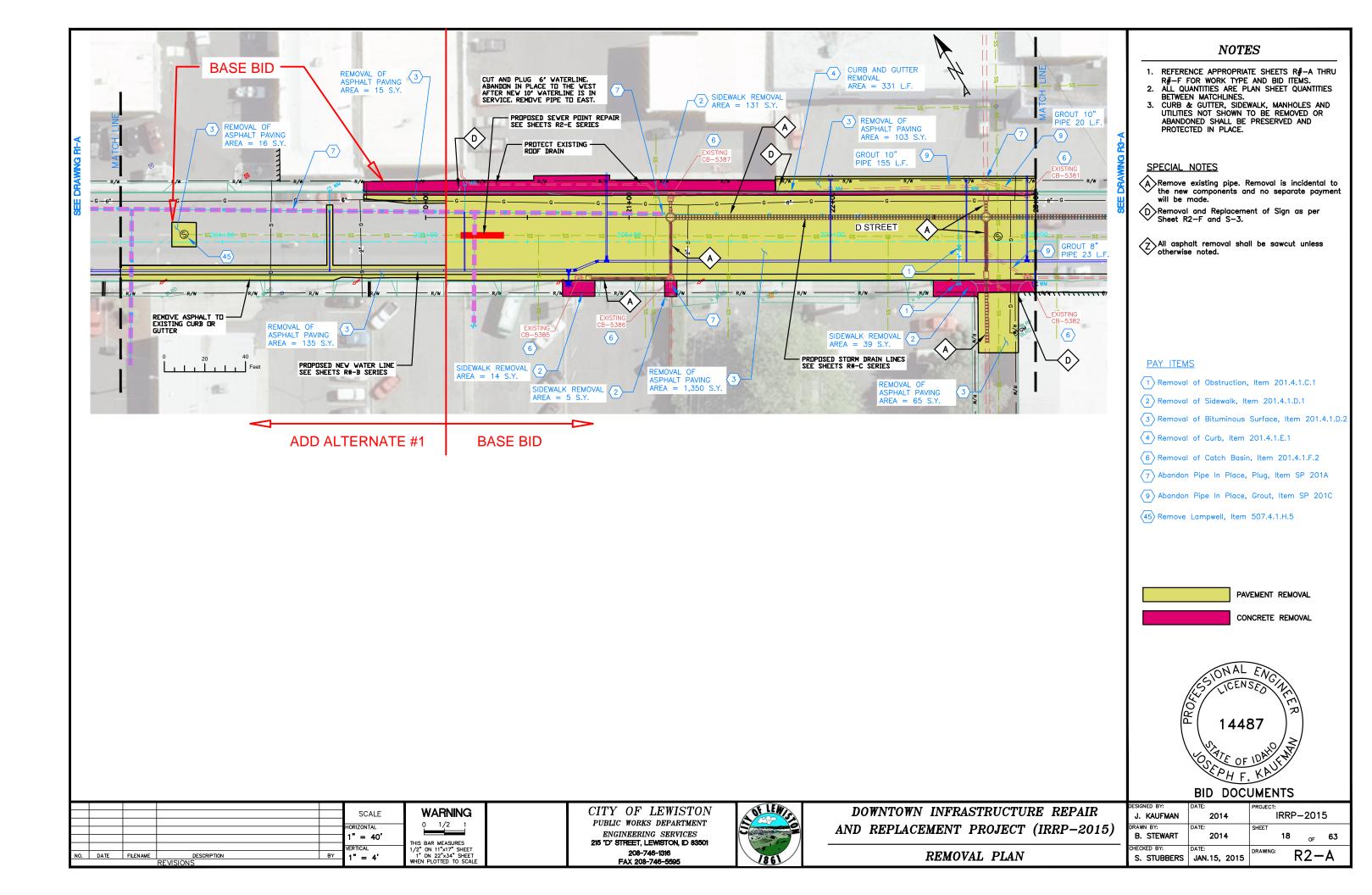


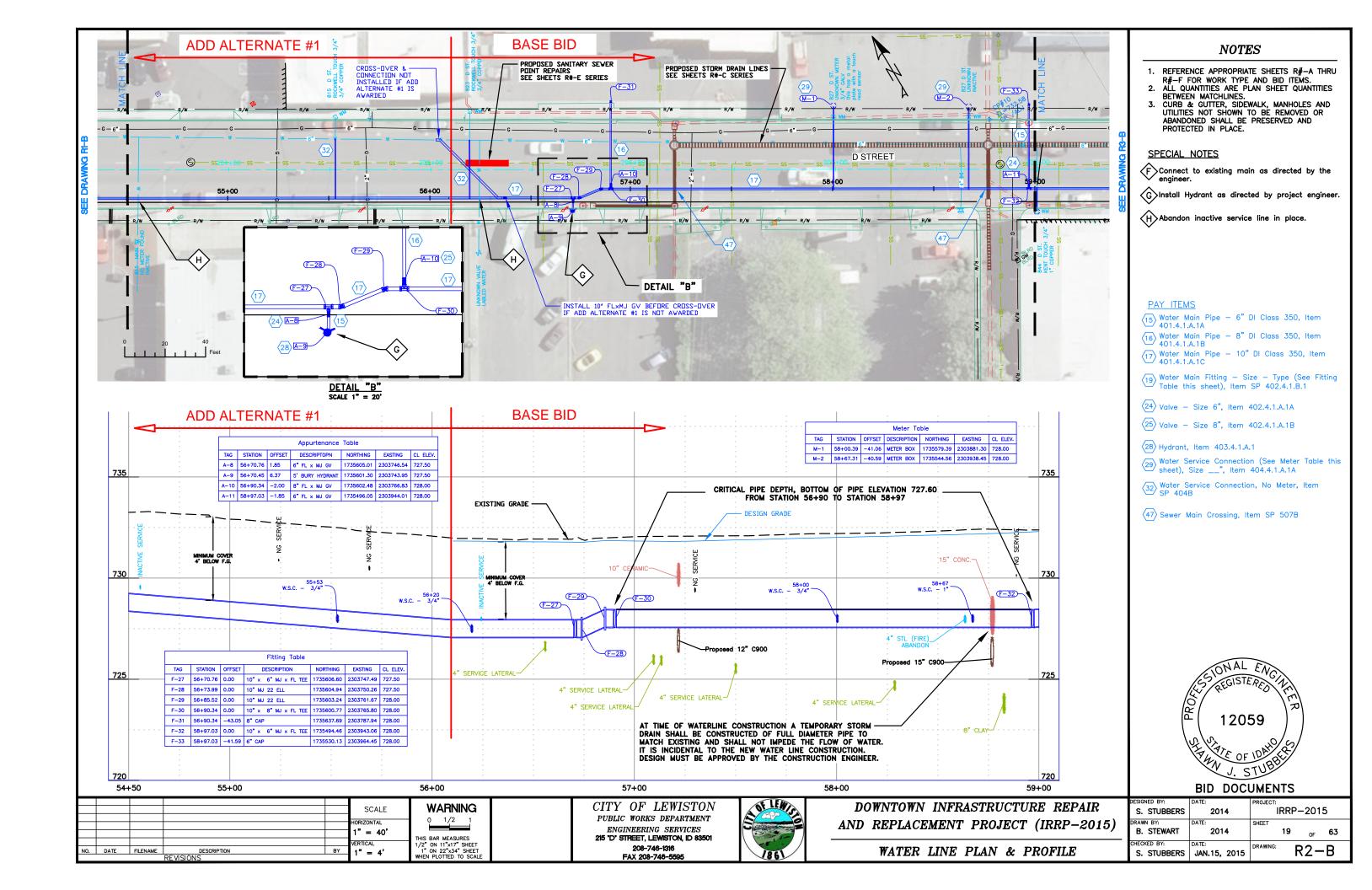


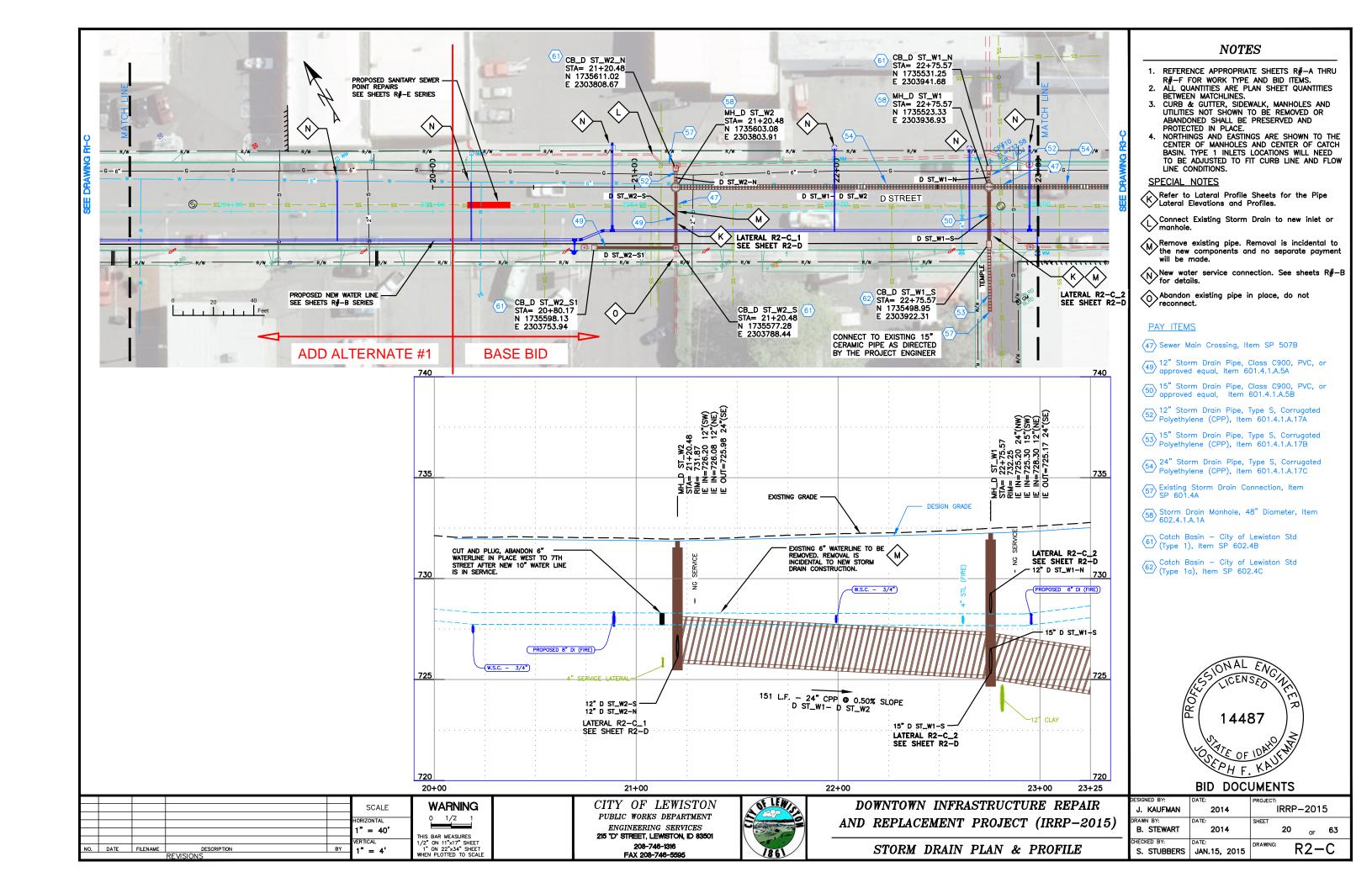


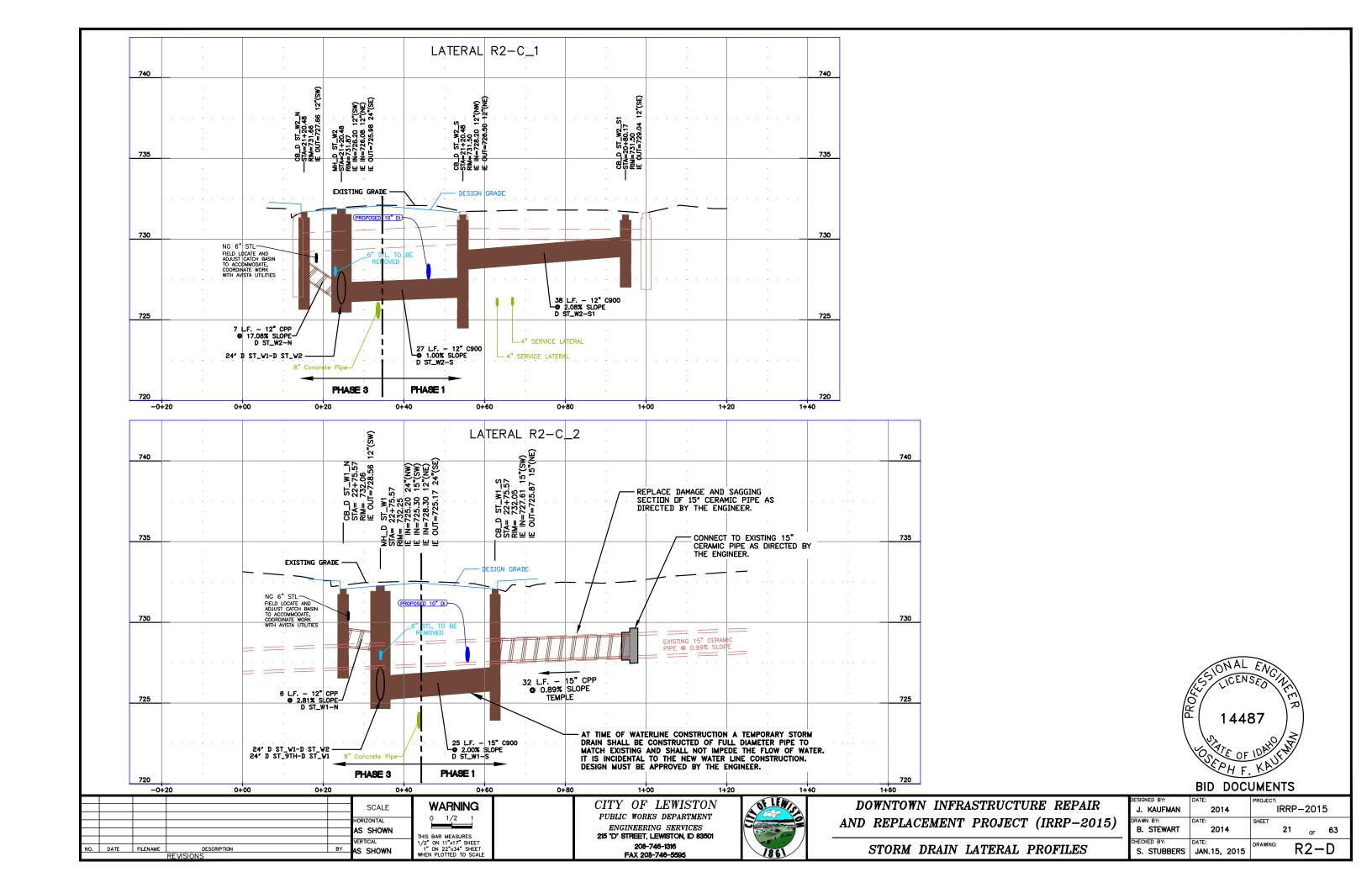


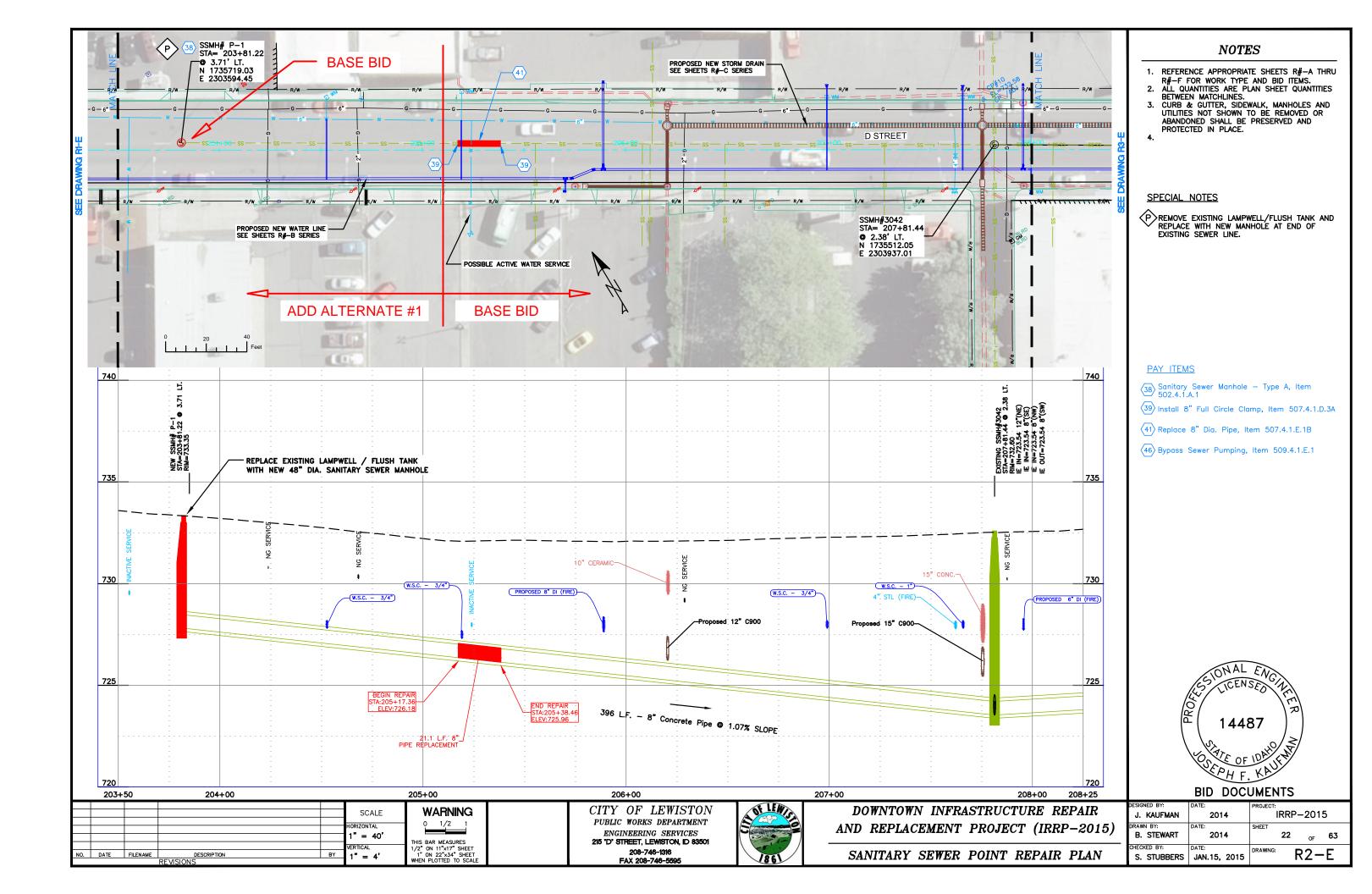


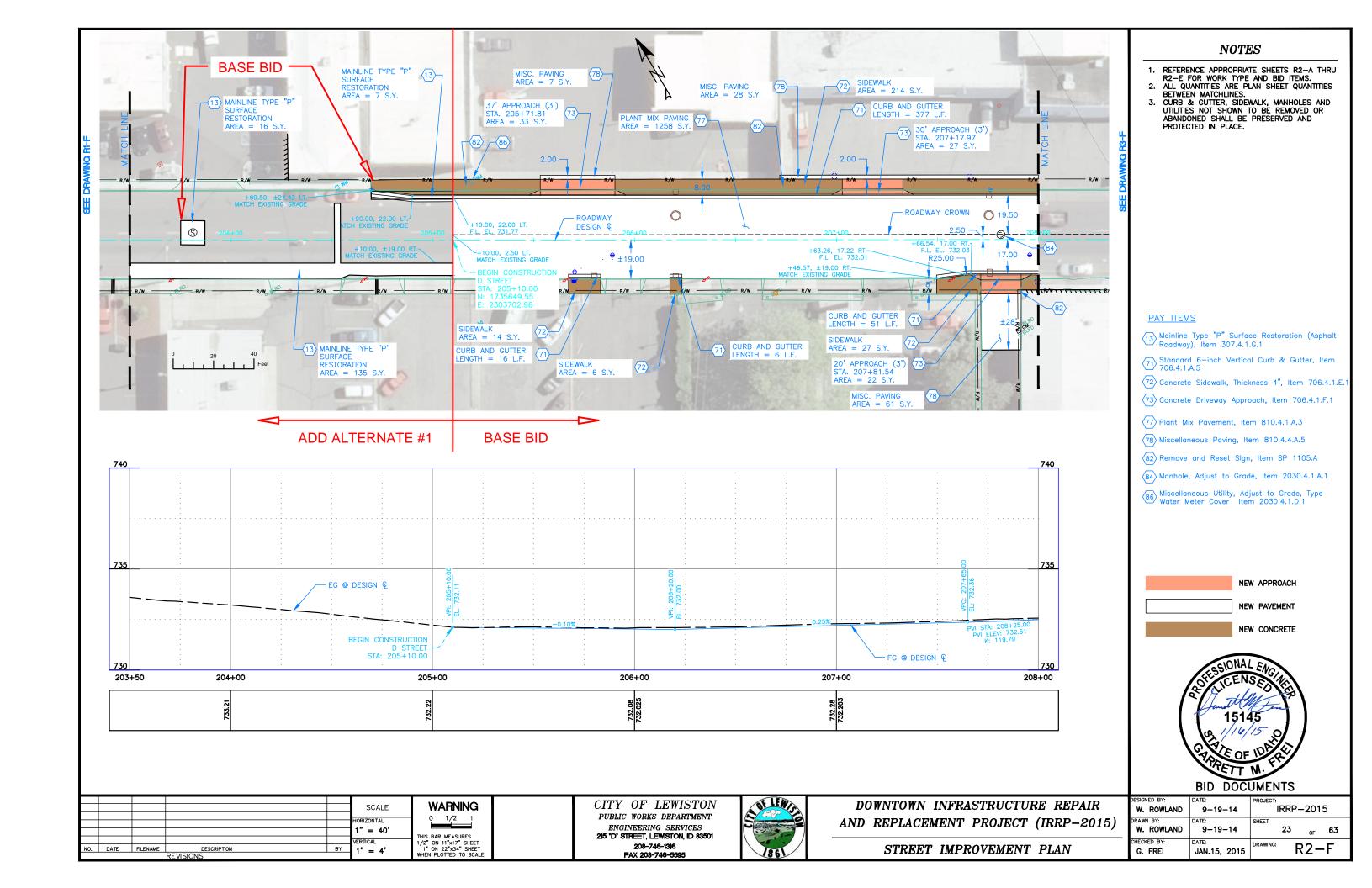


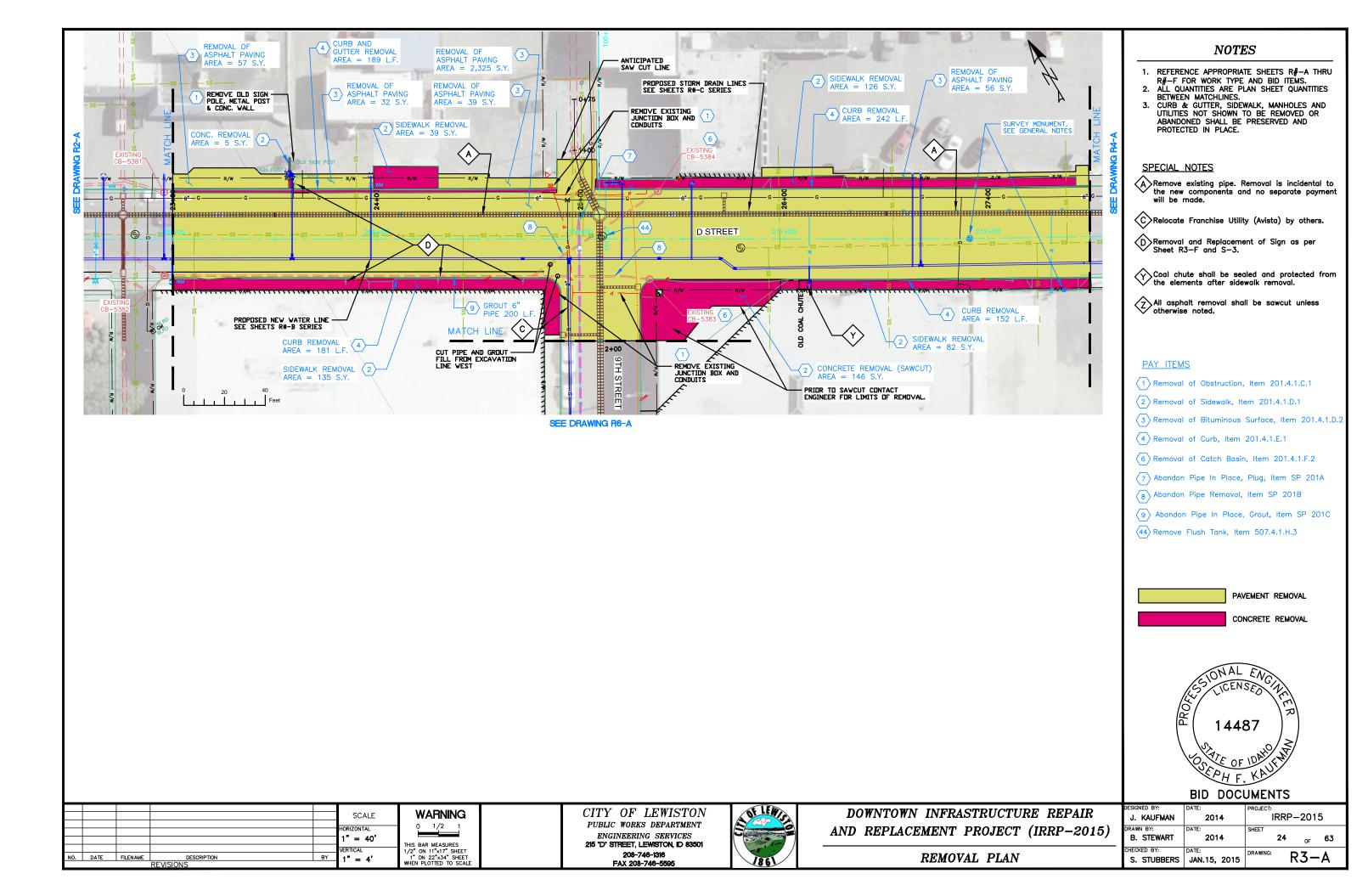


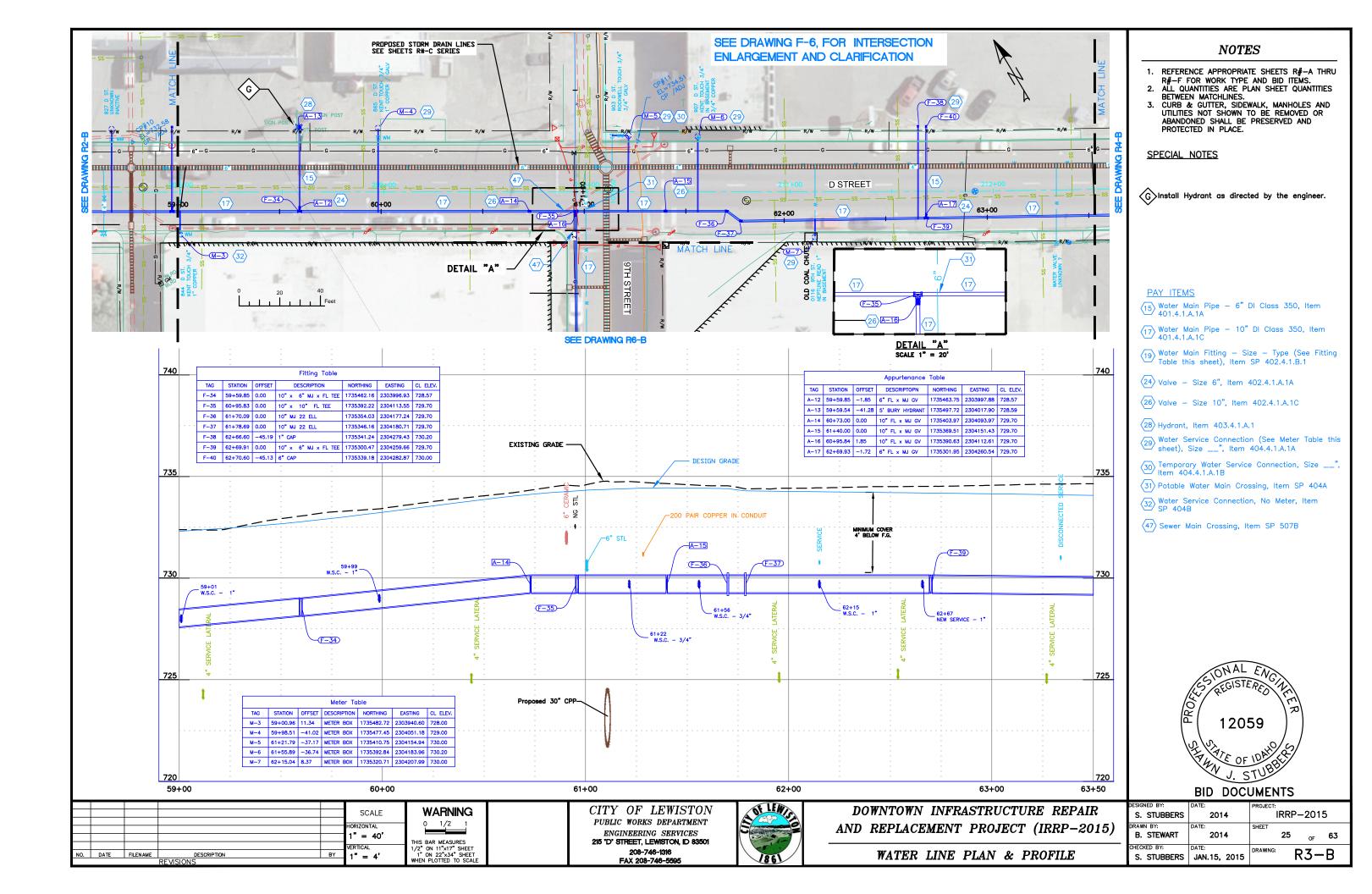


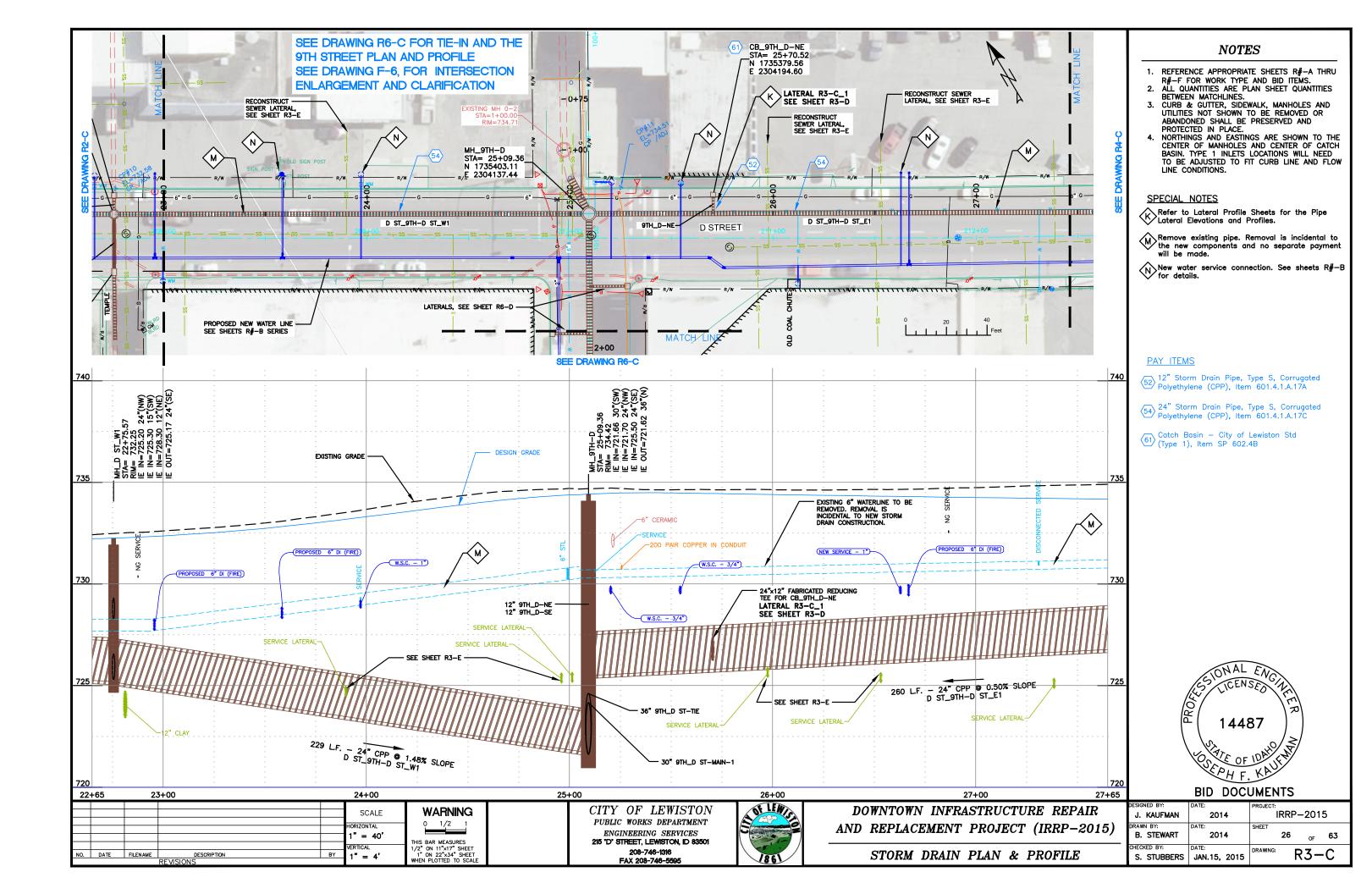


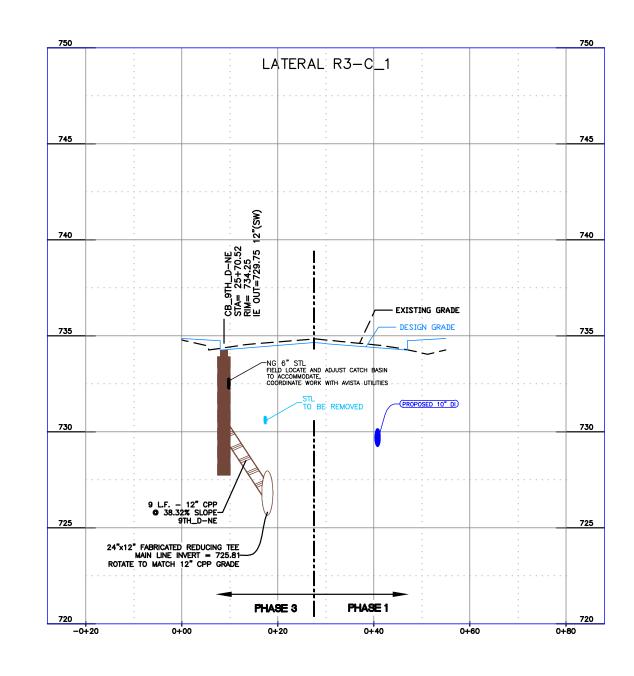














BID DOCUMENTS

SCALE					
HORIZONTAL	+				
AS SHOWN					
VERTICAL					
VERTICAL					
as shown	BY	DESCRIPTION	FILENAME	DATE	NO.
1.0 0.101111		REVISIONS			

WARNING

0 1/2 1

THIS BAR MEASURES
1/2" ON 11"x17" SHEET
1" ON 22"x34" SHEET
WHEN PLOTTED TO SCALE

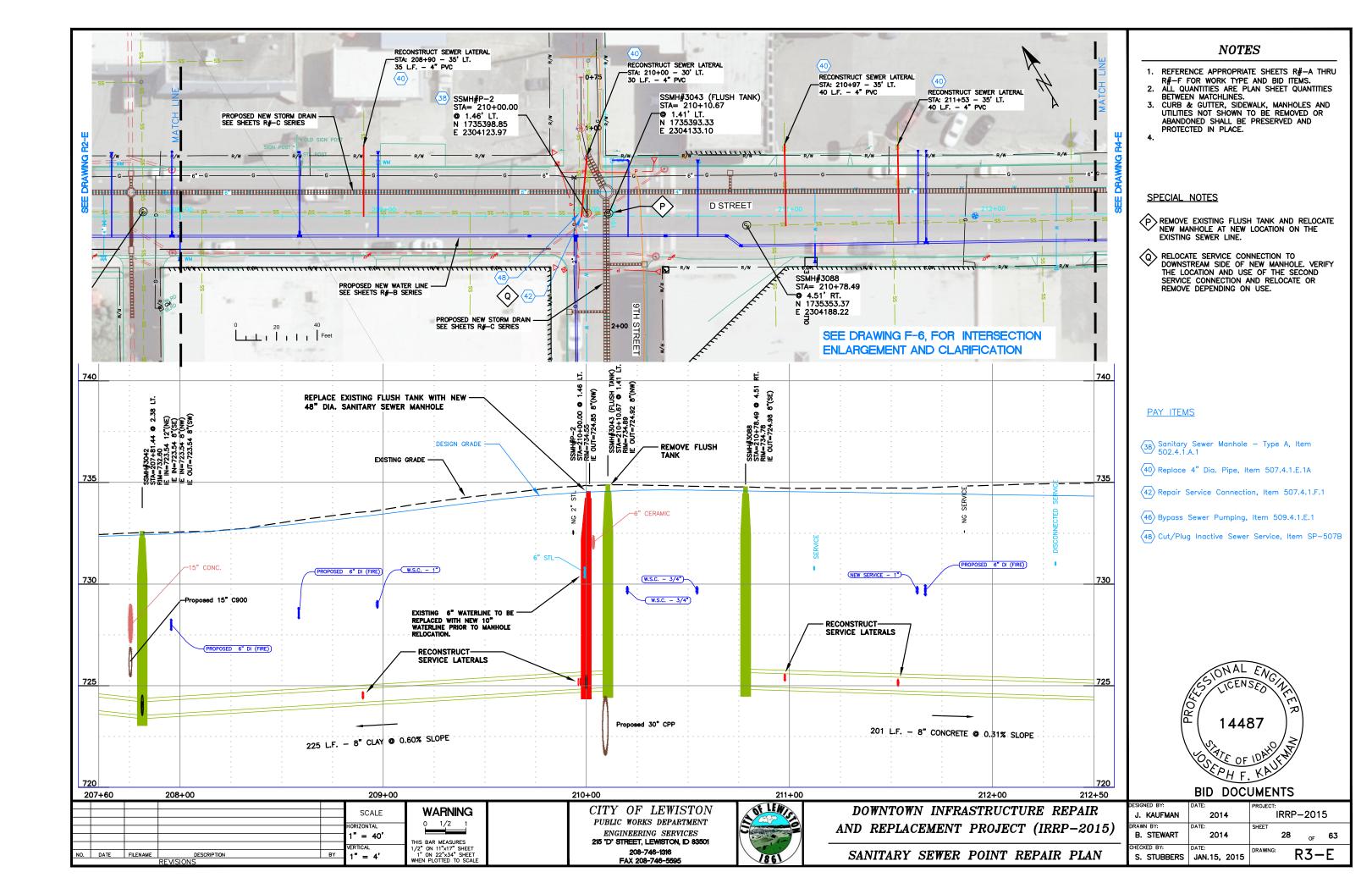
CITY OF LEWISTON
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
215 'D' STREET, LEWISTON, ID 83501
208-746-1316
FAX 208-746-5595

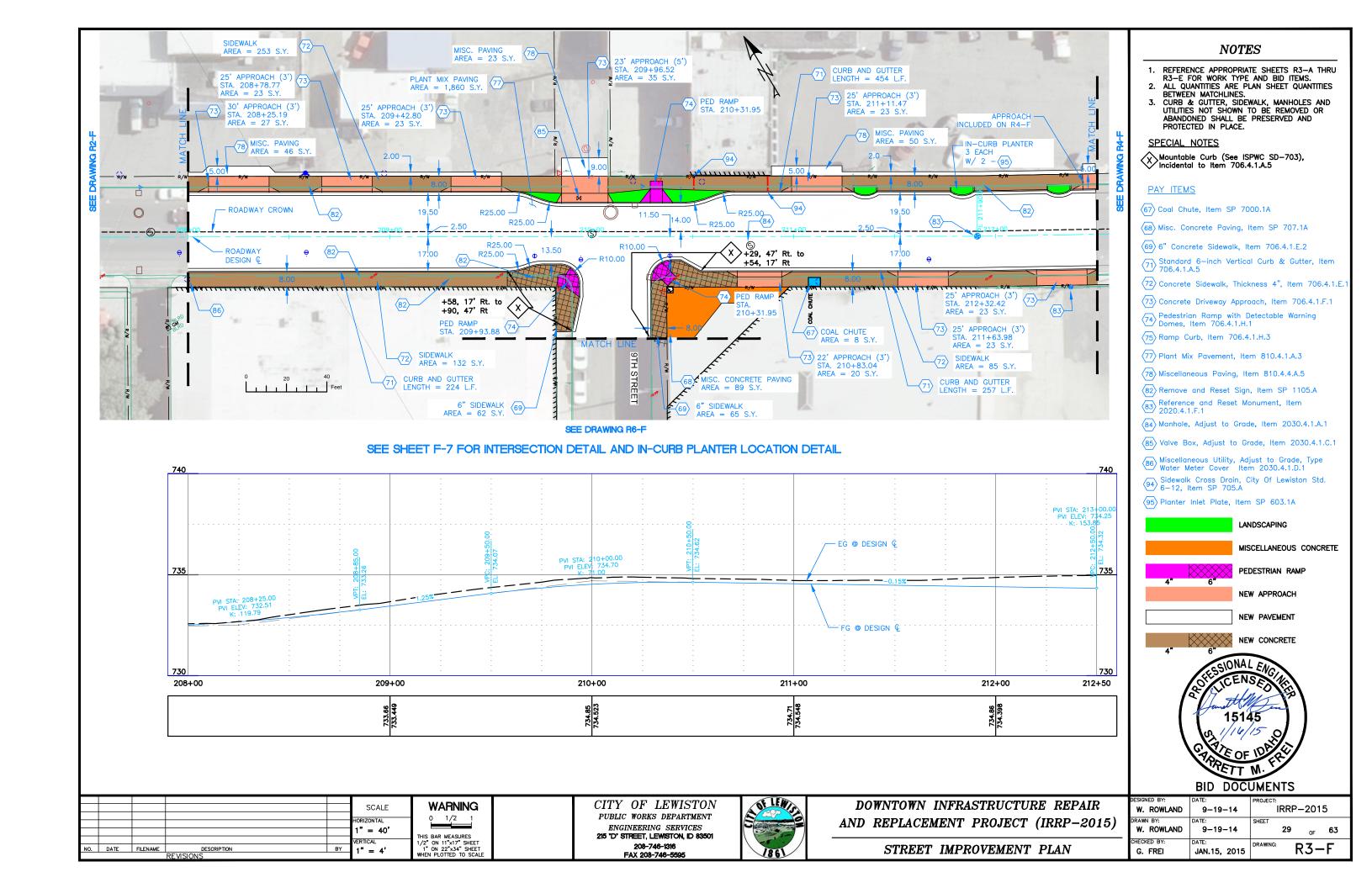


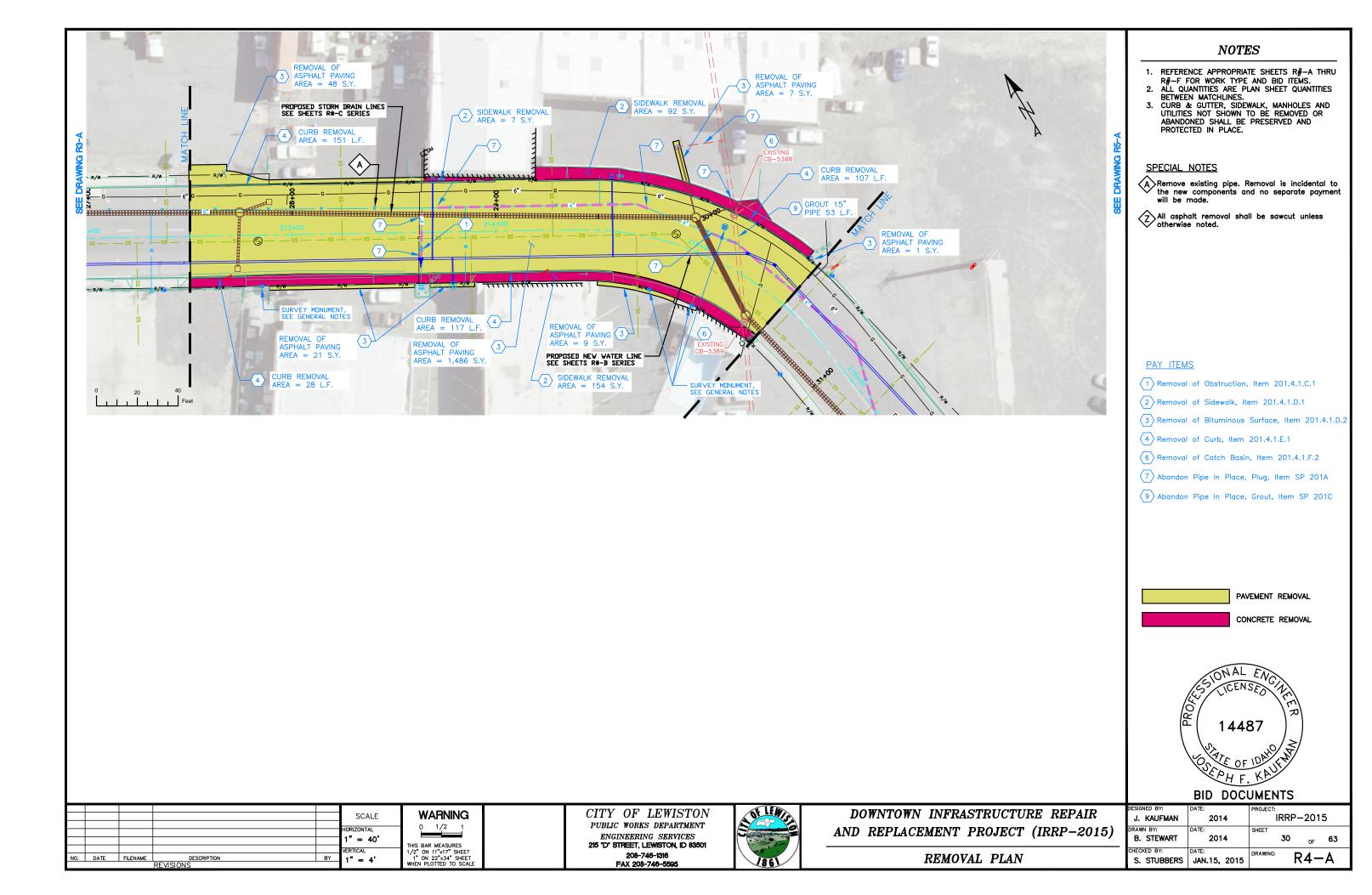
## DOWNTOWN INFRASTRUCTURE REPAIR AND REPLACEMENT PROJECT (IRRP-2015)

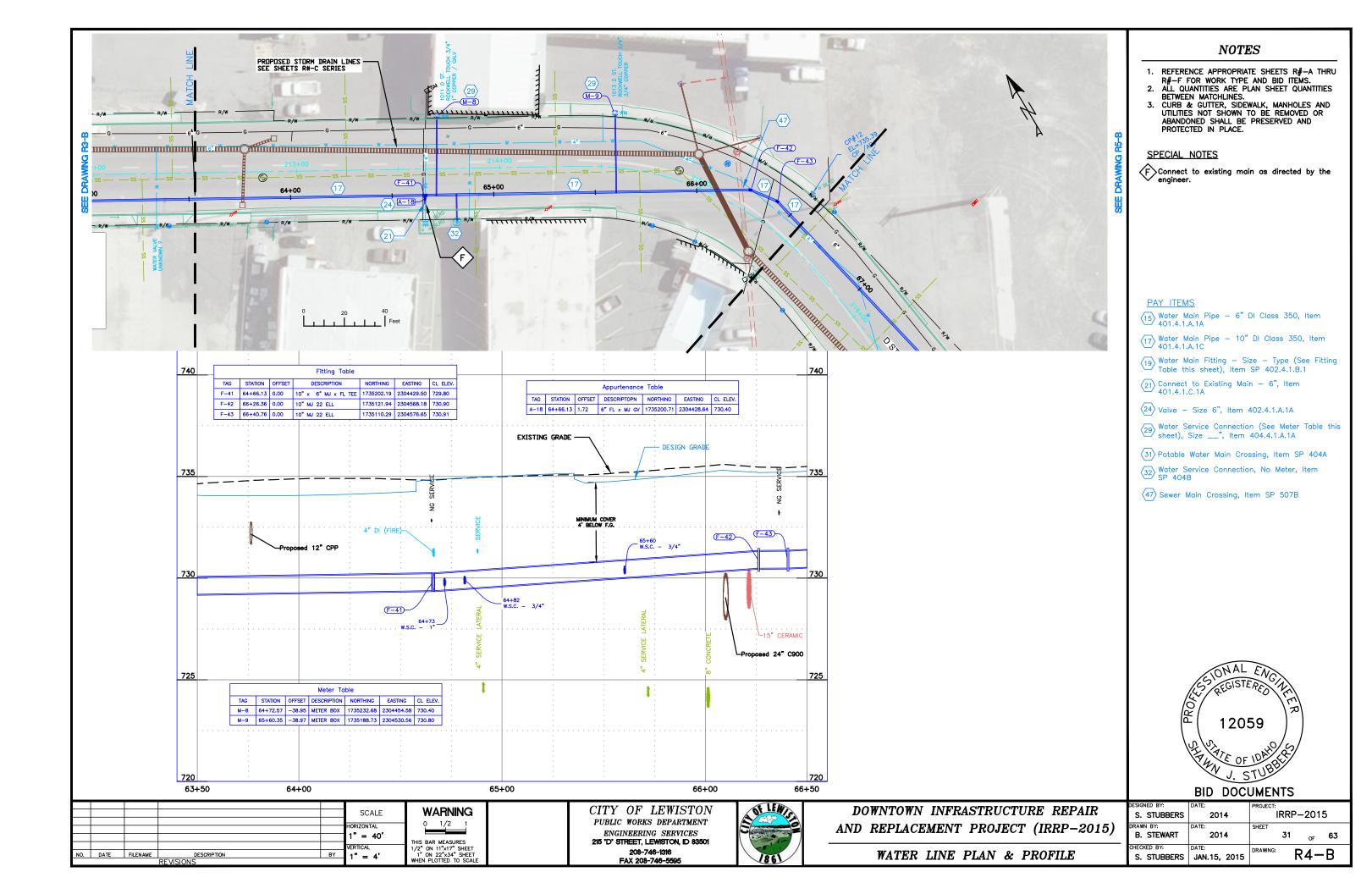
STORM DRAIN LATERAL PROFILE	S
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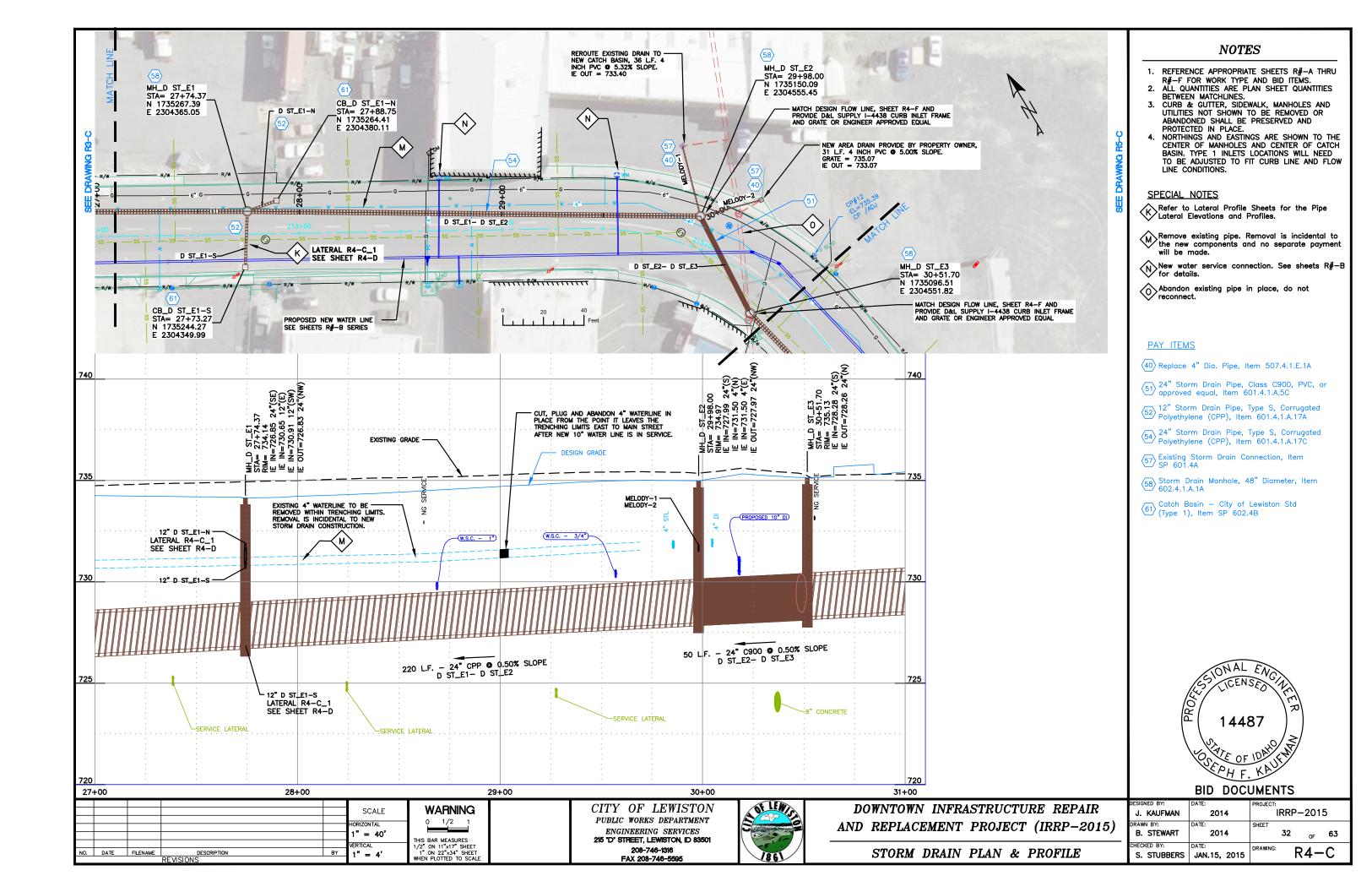
DESIGNED BY:	DATE:	PROJECT:
J. KAUFMAN	2014	IRRP-2015
DRAWN BY:	DATE:	SHEET
B. STEWART	2014	27 <sub>OF</sub> 63
CHECKED BY:	DATE:	DRAWING: D.7 D
S. STUBBERS	JAN.15, 2015	R3-D

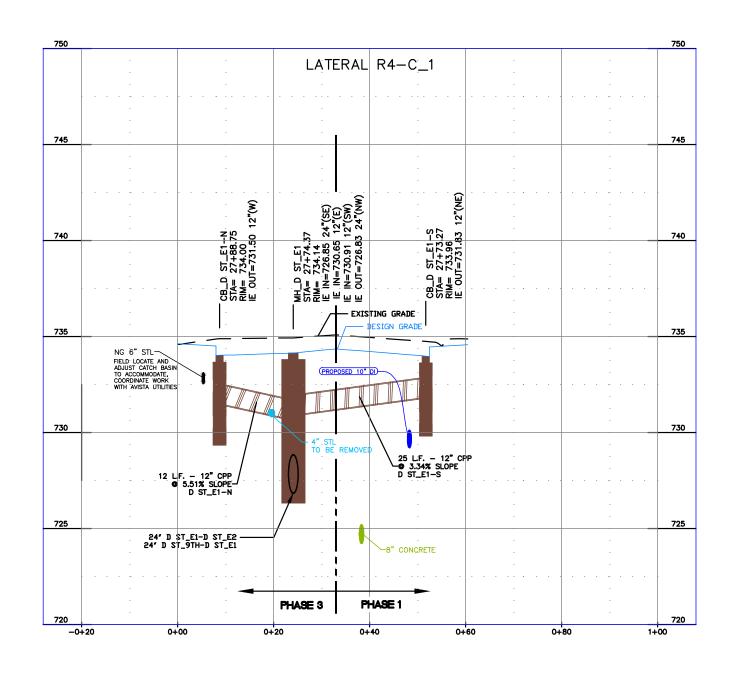














					SCALE
					HORIZONTAL
					AS SHOWN VERTICAL
١٥.	DATE	FILENAME	DESCRIPTION REVISIONS	BY	AS SHOWN

WARNING 0 1/2 1 THIS BAR MEASURES 1/2" ON 11"x17" SHEET 1" ON 22"x34" SHEET WHEN PLOTTED TO SCALE

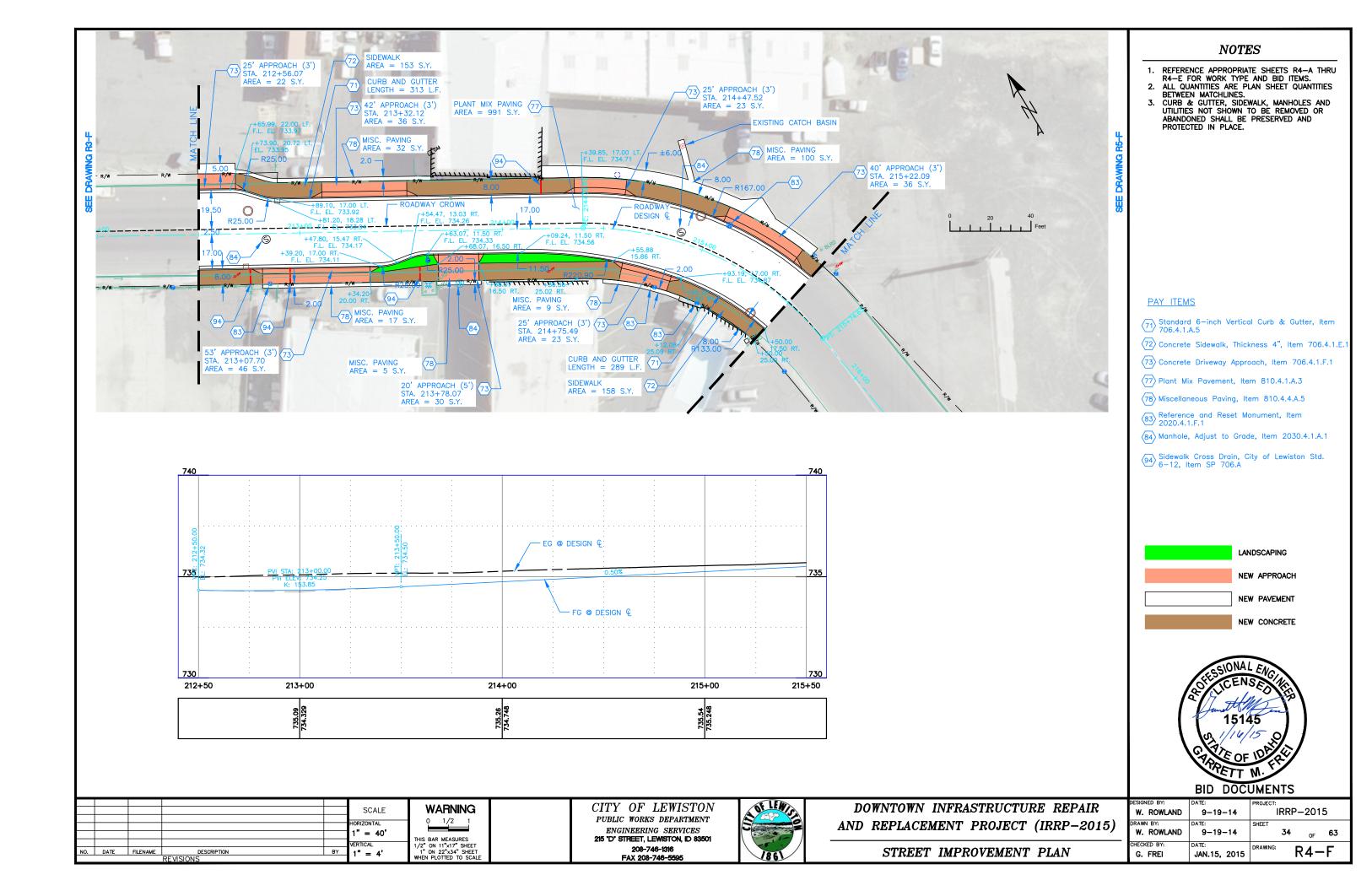
CITY OF LEWISTON PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES
215 'D' STREET, LEWISTON, ID 83501 208-746-1316 FAX 208-746-5595

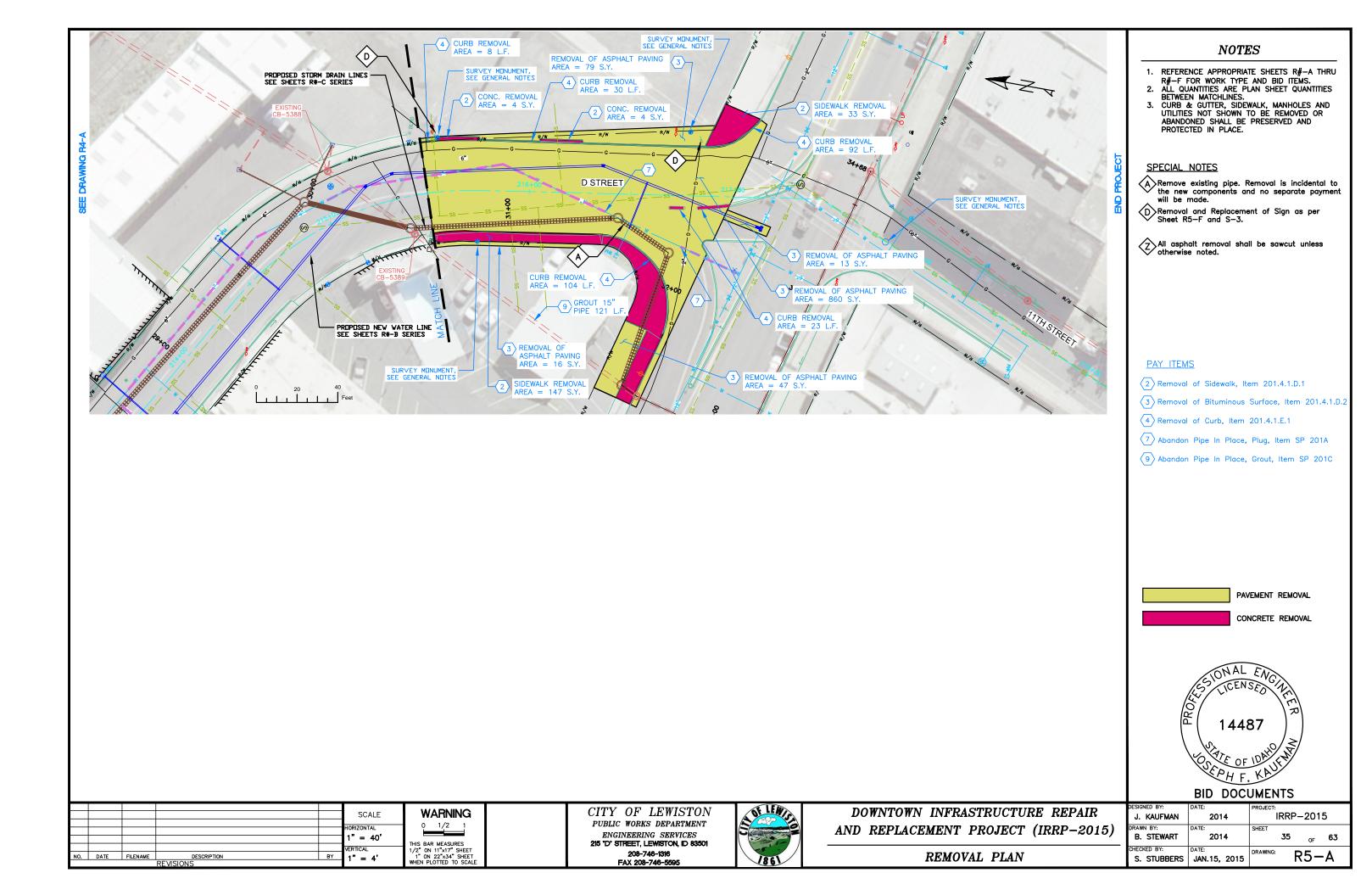


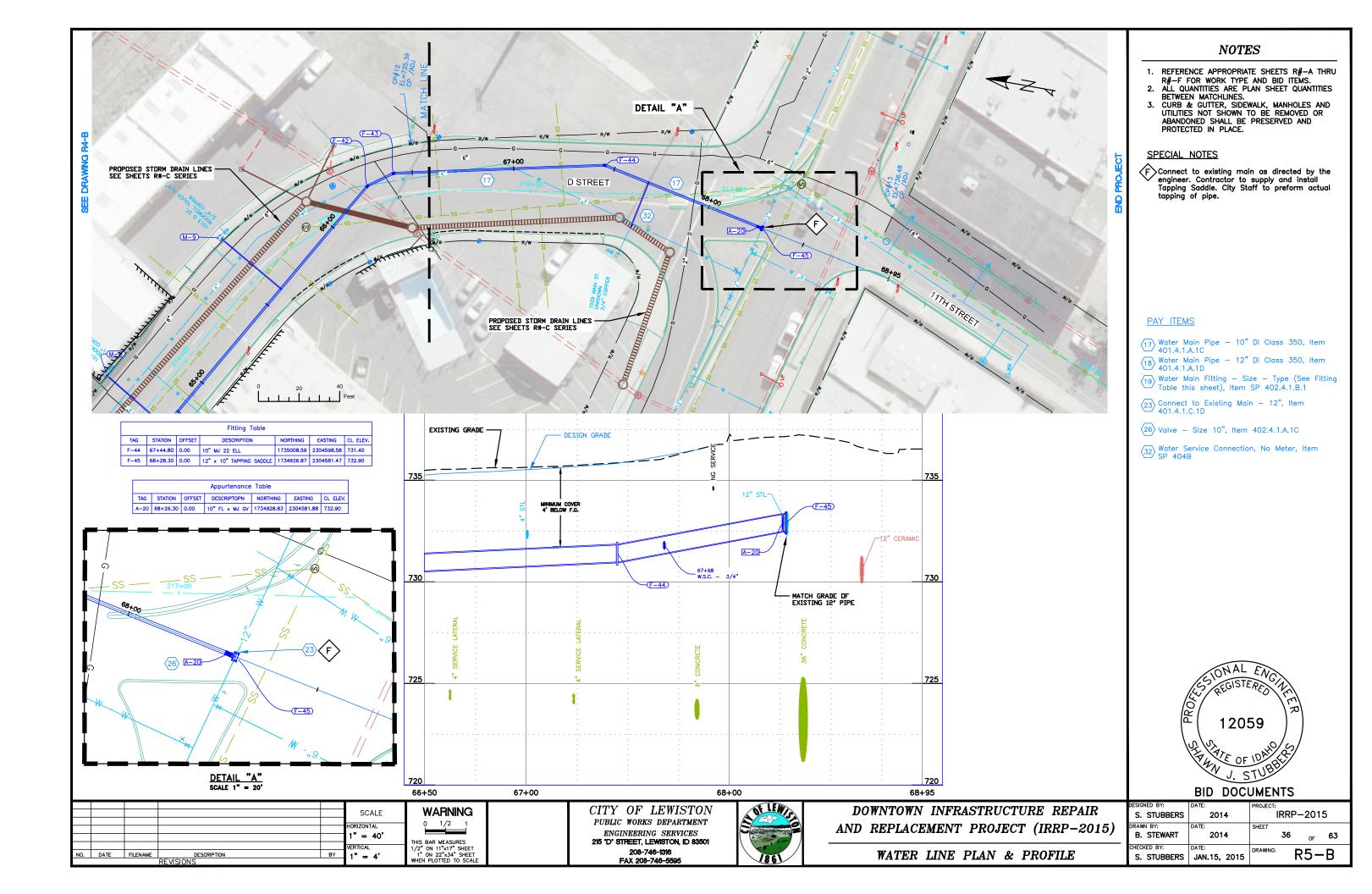
DOWNTOWN INFRASTRUCTURE REPAIR AND REPLACEMENT PROJECT (IRRP-2015)

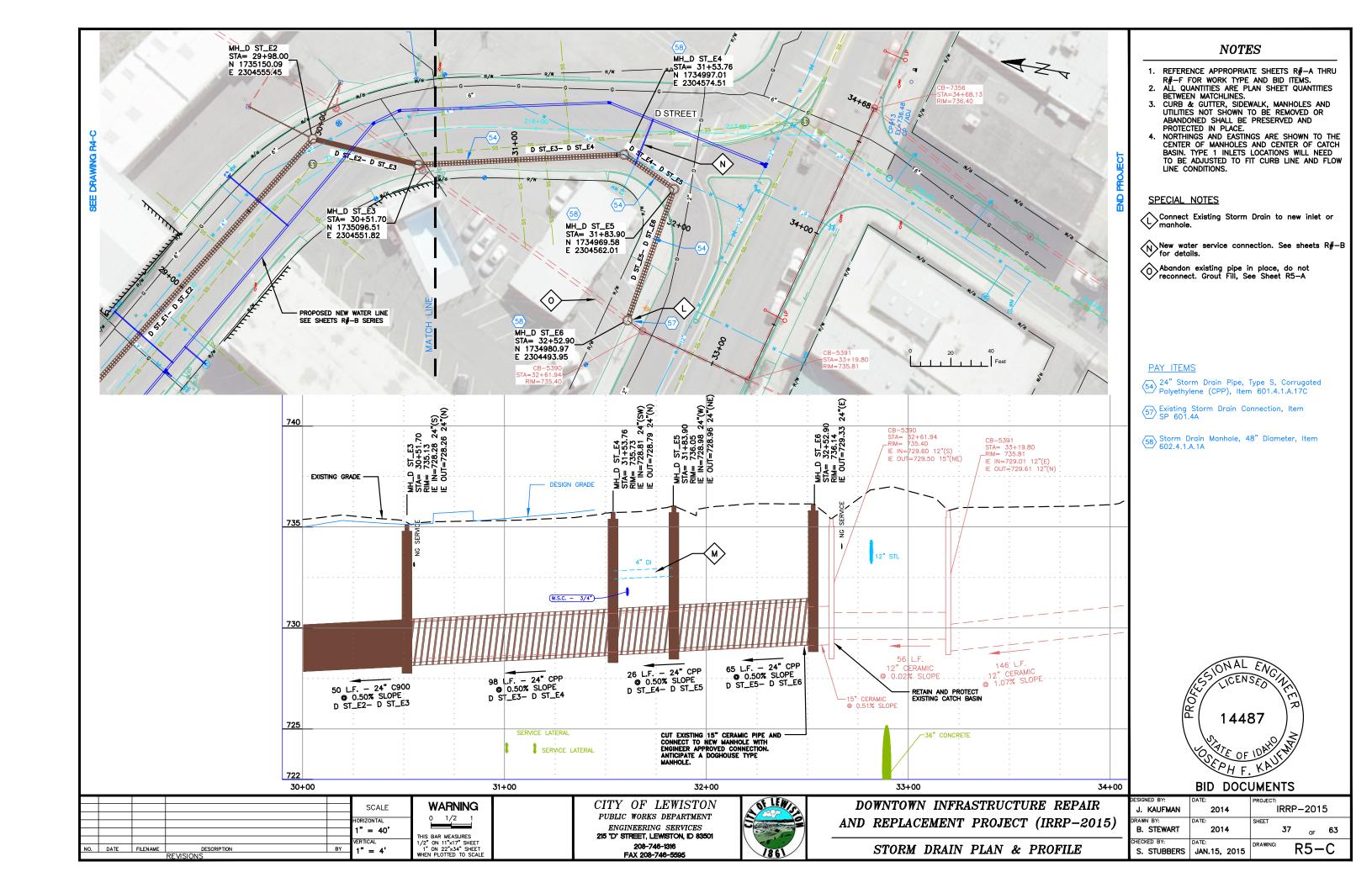
STORM DRAIN LATERAL PROFILES

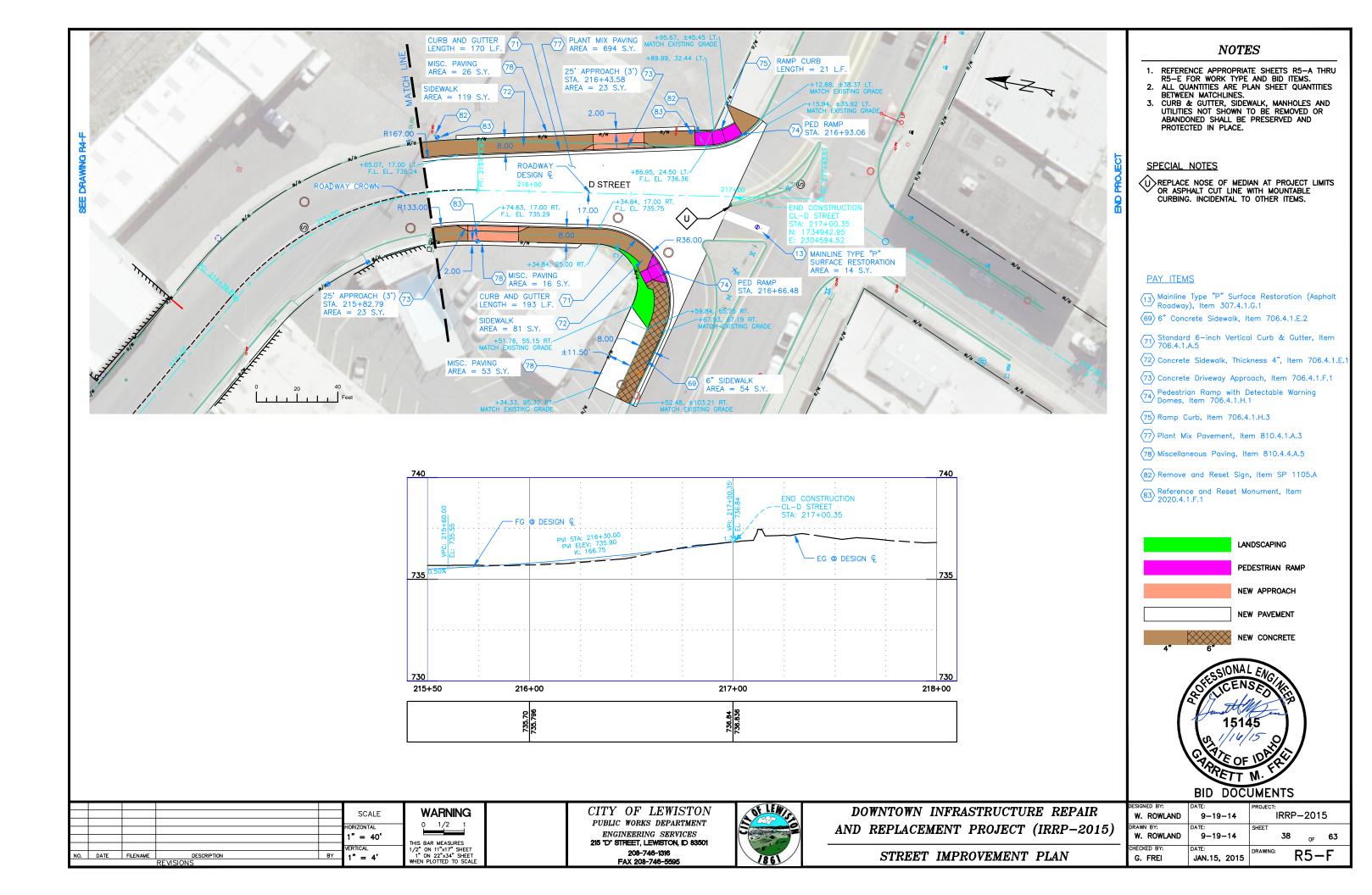
	2.2 2 0 0	• •
DESIGNED BY:	DATE:	PROJECT:
J. KAUFMAN	2014	IRRP-2015
DRAWN BY:	DATE:	SHEET
B. STEWART	2014	33 <sub>OF</sub> 63
CHECKED BY:	DATE:	DRAWING: D.4 D.
S. STUBBERS	JAN.15, 2015	R4-D

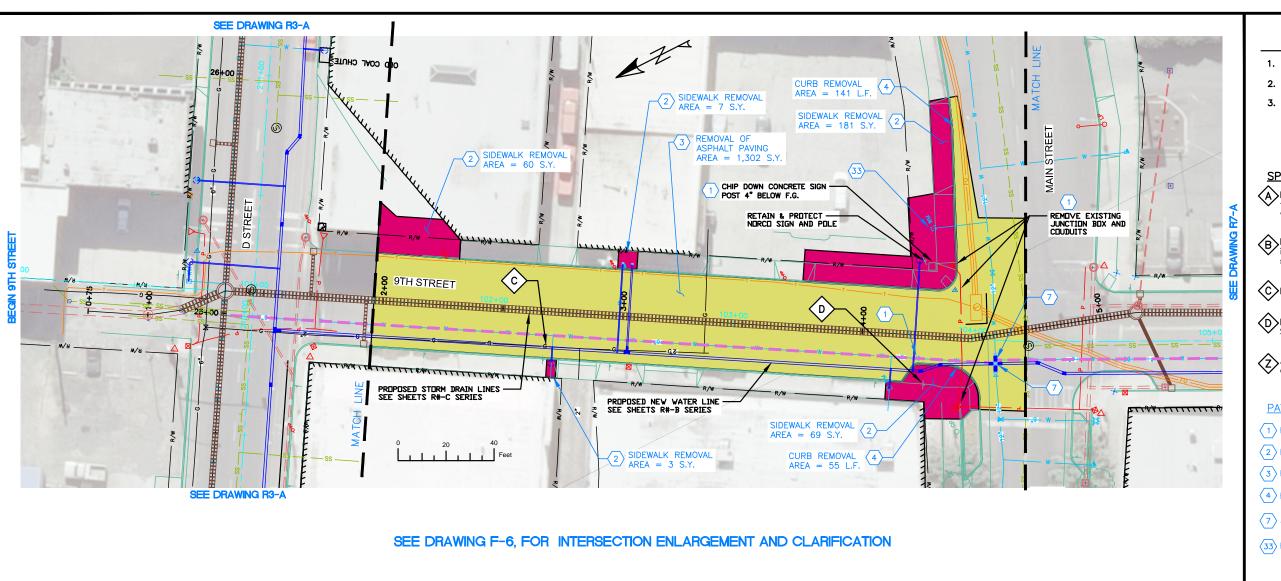












# NOTES

- 1. REFERENCE APPROPRIATE SHEETS R#-A THRU R#-F FOR WORK TYPE AND BID ITEMS.

  2. ALL QUANTITIES ARE PLAN SHEET QUANTITIES
- BETWEEN MATCHLINES.
- CURB & GUTTER, SIDEWALK, MANHOLES AND UTILITIES NOT SHOWN TO BE REMOVED OR ABANDONED SHALL BE PRESERVED AND PROTECTED IN PLACE.

# SPECIAL NOTES

- Remove existing pipe. Removal is incidental to the new components and no separate payment will be made.
- Remove existing components. Removal is incidental to the new components and no separate payment will be made.
- (C) Relocate Franchise Utility (AVISTA) by others.
- Removal and Replacement of Sign as per Sheet R6-F and S-3.
- All asphalt removal shall be sawcut unless otherwise noted.

# PAY ITEMS

- 1 Removal of Obstruction, Item 201.4.1.C.1
- 2 Removal of Sidewalk, Item 201.4.1.D.1
- (3) Removal of Bituminous Surface, Item 201.4.1.D.2
- 4 Removal of Curb, Item 201.4.1.E.1
- (7) Abandon Pipe In Place, Plug, Item SP 201A
- (33) Remove Inactive Water Service, Item SP 404C

PAVEMENT REMOVAL CONCRETE REMOVAL



**BID DOCUMENTS** 

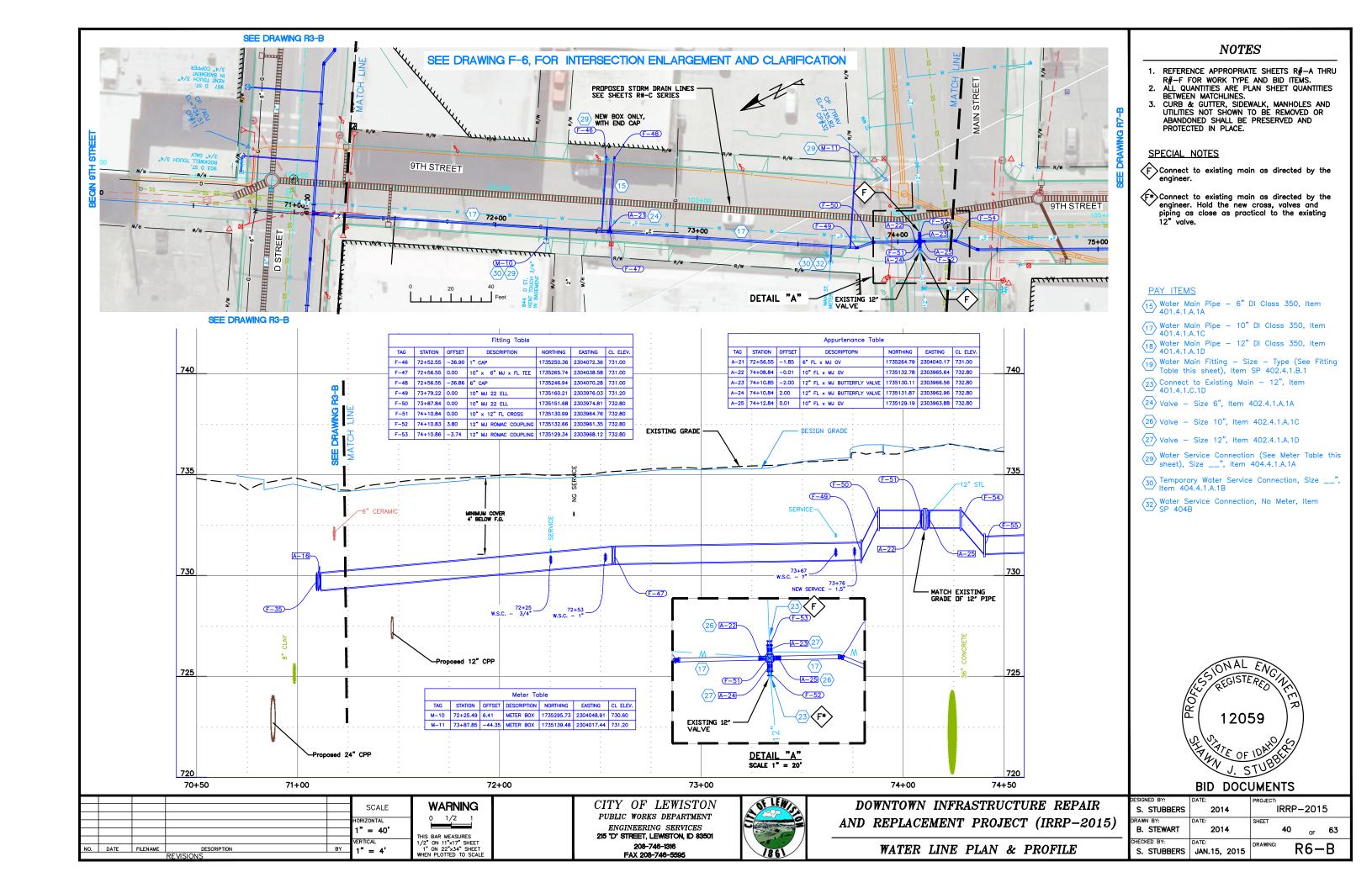
DOWNTOWN INFRASTRUCTURE REPAIR AND REPLACEMENT PROJECT (IRRP-2015)

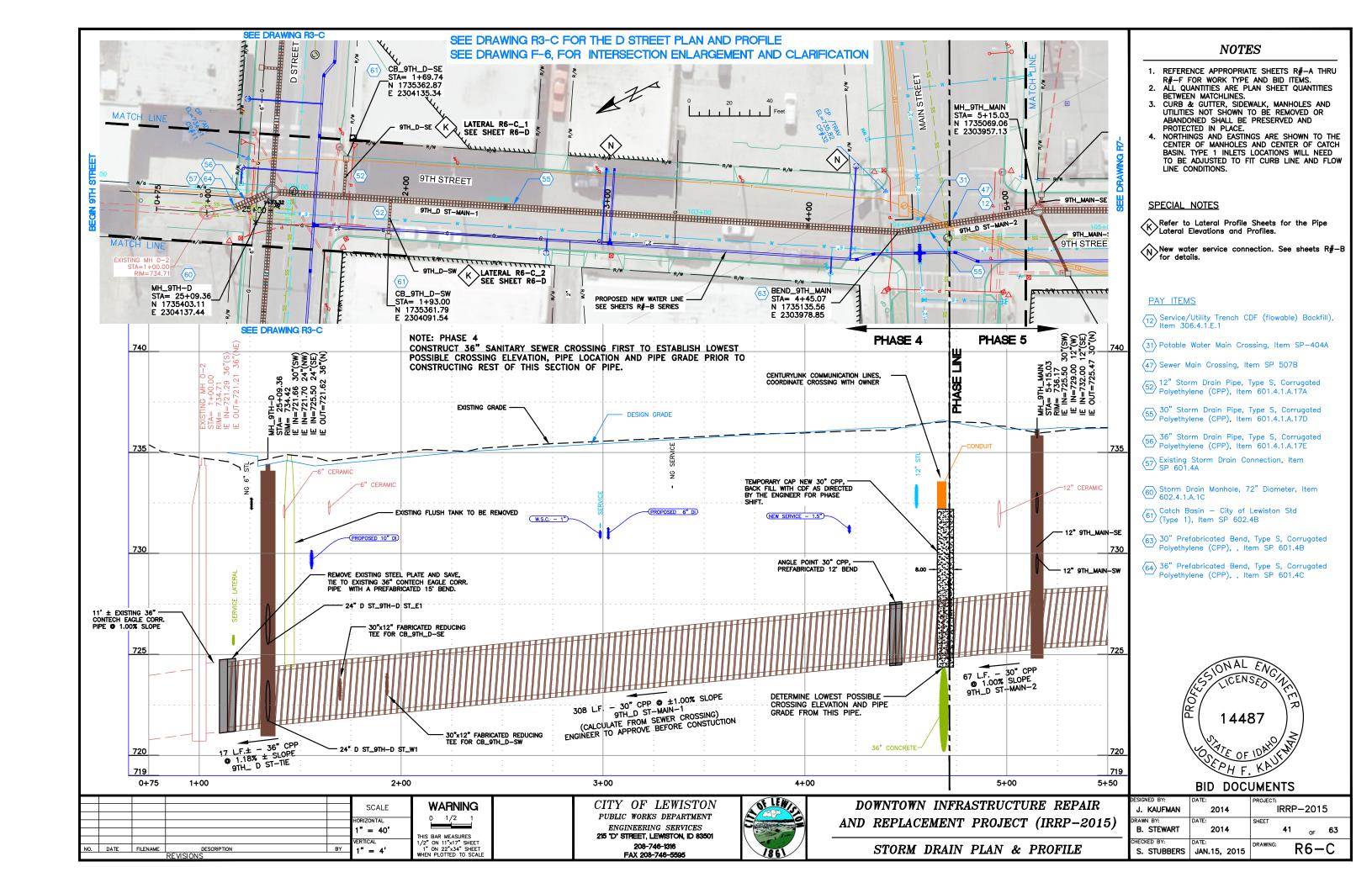
REMOVAL PLAN

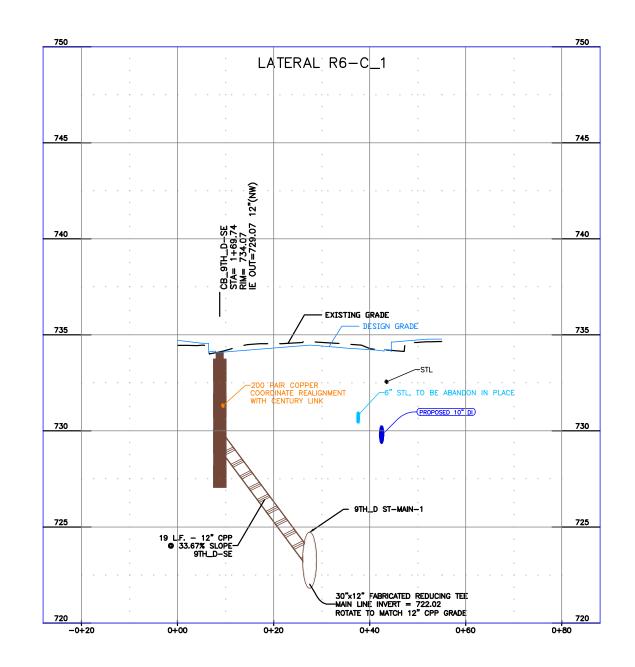
DESIGNED BY:		DATE:			PROJECT:			
J.	KAUFMAN		2014	ŀ	1	RRP-	-201	5
DRAW	N BY:	DATE:			SHEET			
В.	STEWART		2014	ŀ		39	OF	63
CHEC	KED BY:	DATE:			DRAWING:			Α
S.	STUBBERS	JAN.	15,	2015		F	86-	·A

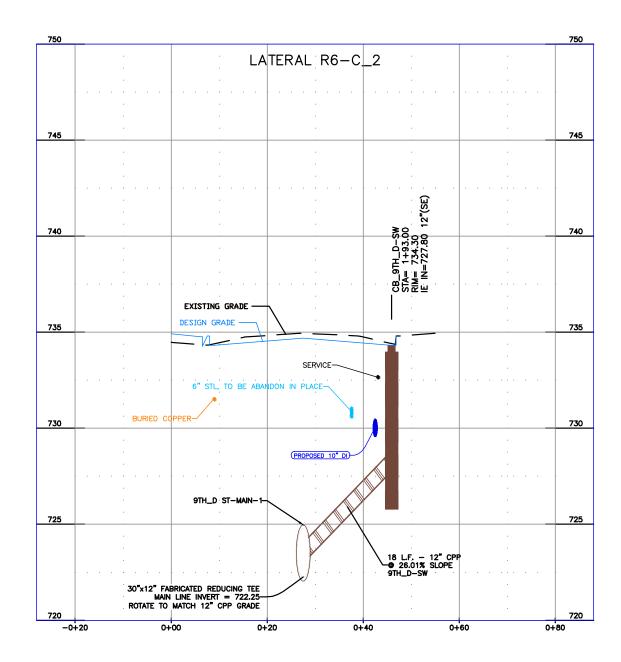
						14/4 DN III 10
					SCALE	Warning
					LIODIZONITAL	0 1/2 1
					HORIZONTAL	
					1" = 40'	THIS BAR MEASURES
					VERTICAL	1/2" ON 11"x17" SHEET
NO.	DATE	FILENAME	DESCRIPTION	BY	1" = 4'	1" ON 22"x34" SHEET
			REVISIONS			WHEN PLOTTED TO SCALE

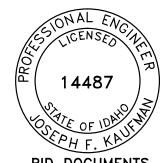
CITY OF LEWISTON PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 215 "D" STREET, LEWISTON, ID 83501 208-746-1316 FAX 208-746-5595











# **BID DOCUMENTS**

**WARNING** SCALE 0 1/2 1 AS SHOWN THIS BAR MEASURES 1/2" ON 11"x17" SHEET 1" ON 22"x34" SHEET WHEN PLOTTED TO SCALE VERTICAL NO. DATE FILENAME AS SHOWN

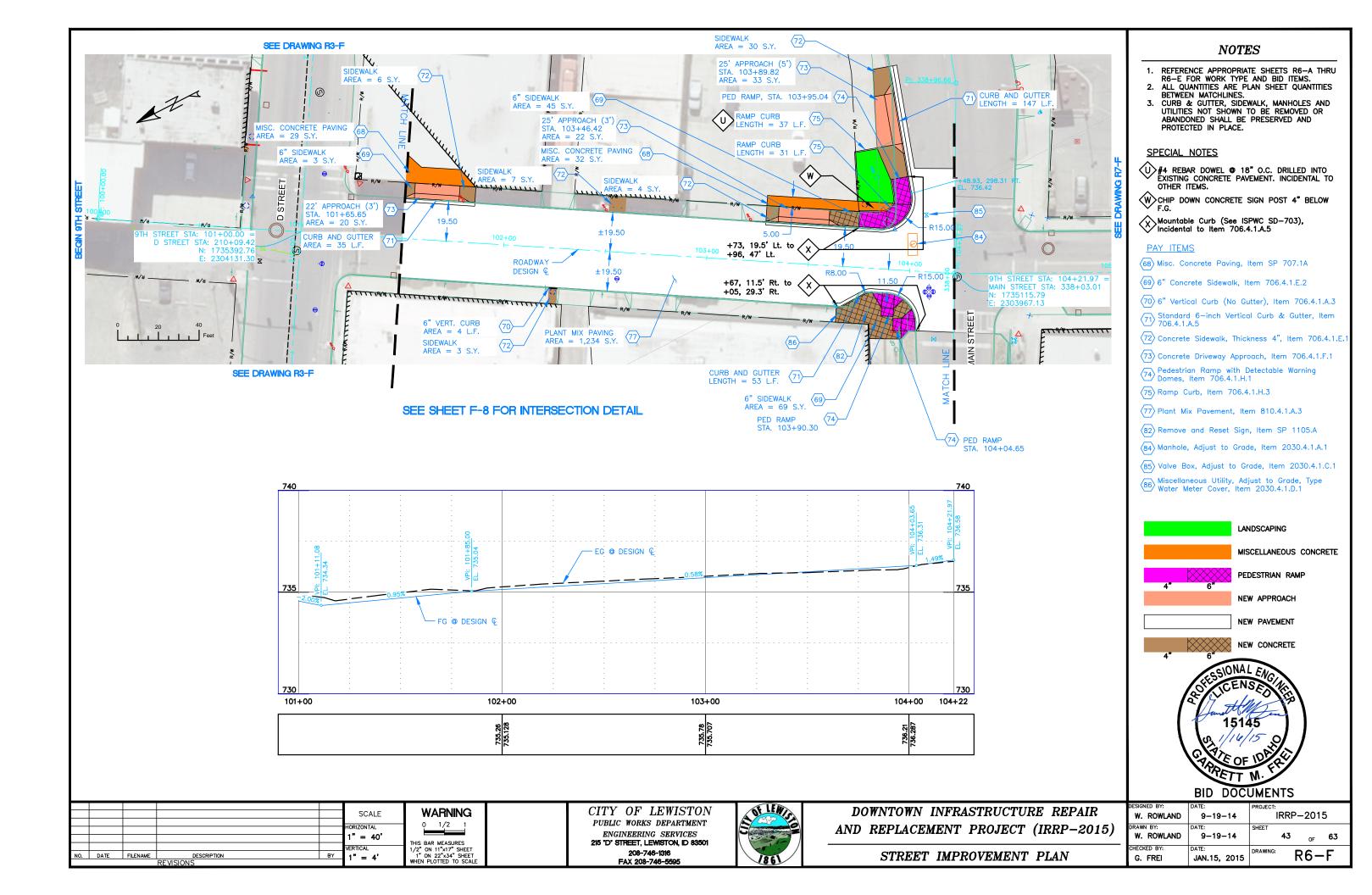
CITY OF LEWISTON PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES
215 'D' STREET, LEWISTON, ID 83501 208-746-1316 FAX 208-746-5595

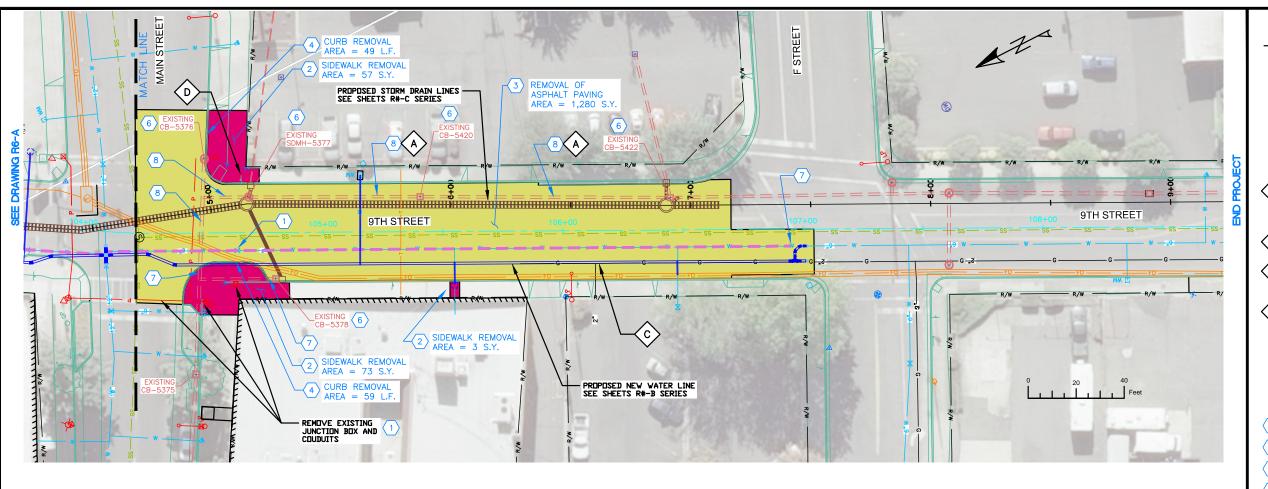


# DOWNTOWN INFRASTRUCTURE REPAIR AND REPLACEMENT PROJECT (IRRP-2015)

STORM DRAIN LATERAL PROFILES

DESIGNED BY:	DATE:	PROJECT:
J. KAUFMAN	2014	IRRP-2015
DRAWN BY:	DATE:	SHEET
B. STEWART	2014	42 <sub>OF</sub> 63
CHECKED BY: S. STUBBERS	DATE: JAN.15, 2015	DRAWING: R6-D





SEE DRAWING F-6, FOR INTERSECTION ENLARGEMENT AND CLARIFICATION

# NOTE:

PHASE 4 MUST BE PAVED AND OPEN TO TRAFFIC BEFORE BEGINNING PHASE 5

# **NOTES**

- REFERENCE APPROPRIATE SHEETS R#-A THRU R#—F FOR WORK TYPE AND BID ITEMS.

  2. ALL QUANTITIES ARE PLAN SHEET QUANTITIES BETWEEN MATCHLINES.
- CURB & GUTTER, SIDEWALK, MANHOLES AND UTILITIES NOT SHOWN TO BE REMOVED OR ABANDONED SHALL BE PRESERVED AND PROTECTED IN PLACE.

# SPECIAL NOTES

- A Remove existing pipe. Removal is incidental to the new components and no separate payment will be made.
- C Relocate Franchise Utility (Avista) by others.
- Removal and Replacement of Sign as per Sheet R7—F and S—3.
- All asphalt removal shall be sawcut unless otherwise noted.

# PAY ITEMS

- 1 Removal of Obstruction, Item 201.4.1.C.1
- 2 Removal of Sidewalk, Item 201.4.1.D.1
- (3) Removal of Bituminous Surface, Item 201.4.1.D.2
- 4 Removal of Curb, Item 201.4.1.E.1
- 6 Removal of Catch Basin, Item 201.4.1.F.2
- 7 Abandon Pipe In Place, Plug, Item SP 201A
- 8 Abandon Pipe Removal, Item SP 201B

PAVEMENT REMOVAL CONCRETE REMOVAL



**BID DOCUMENTS** 

J. KAUFMAN IRRP-2015 2014 B. STEWART R7-AS. STUBBERS JAN.15, 2015

CITY OF LEWISTON PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 215 "D" STREET, LEWISTON, ID 83501 208-746-1316

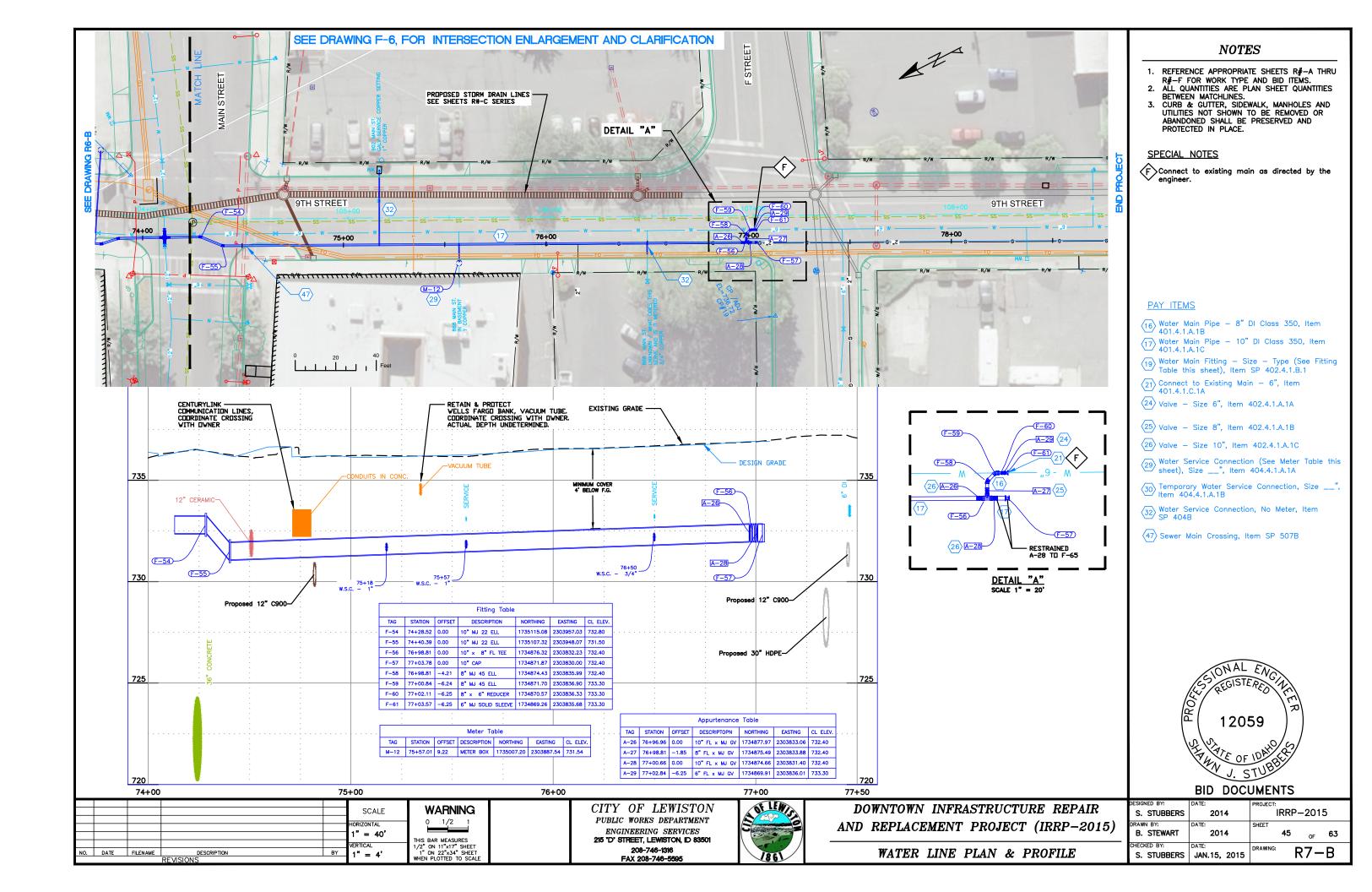
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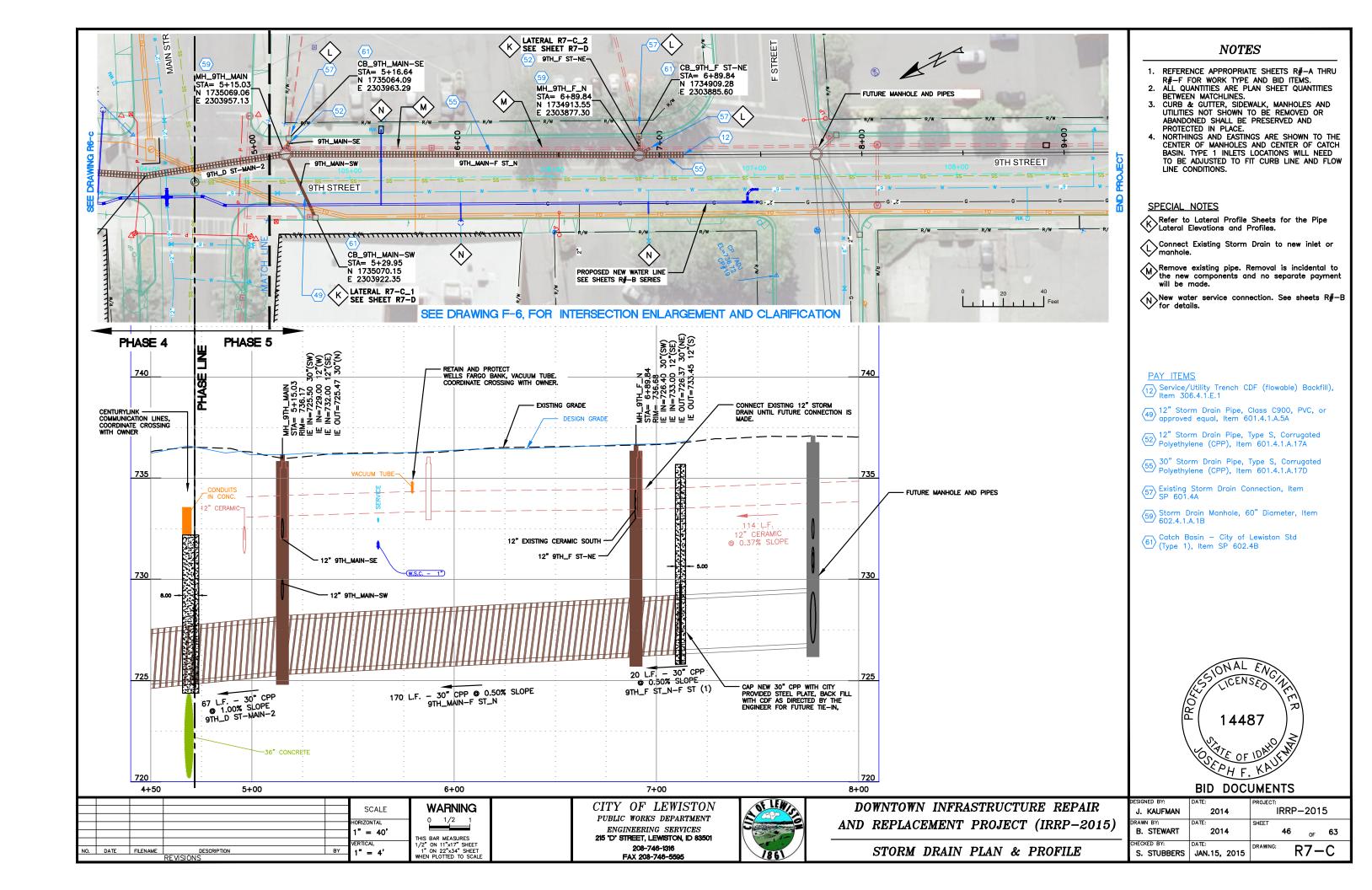


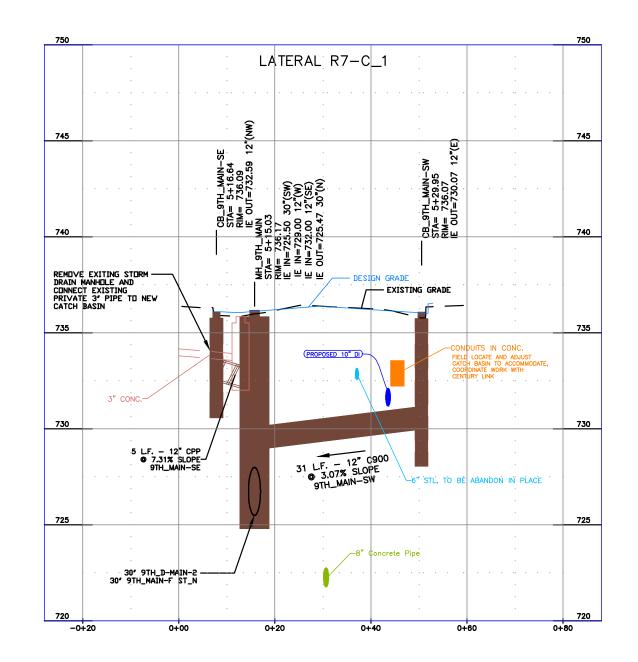
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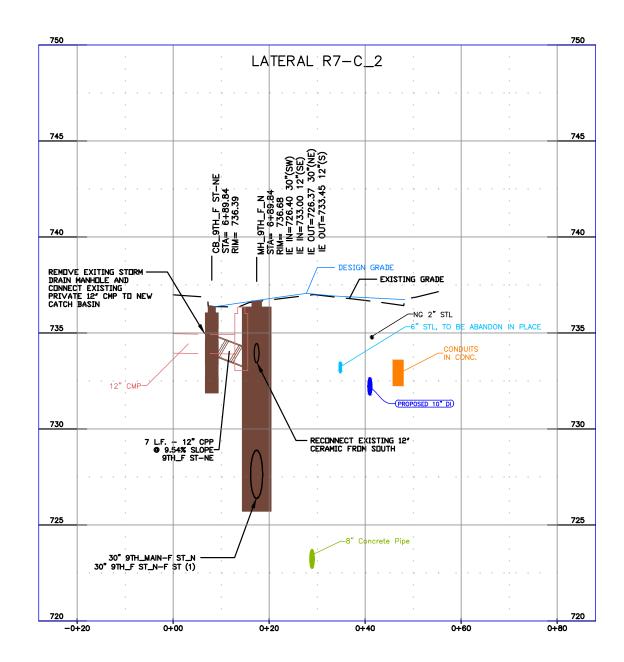
REMOVAL PLAN

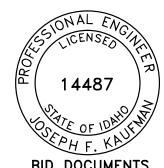
					SCALE	WARNING
					HORIZONTAL	0 1/2 1
					1" = 40'	THIS DAD MEASURES
					VERTICAL	THIS BAR MEASURES 1/2" ON 11"x17" SHEET
NO.	DATE	FILENAME	DESCRIPTION	BY	1" = 4'	1" ON 22"x34" SHEET
			REVISIONS		. – .	WHEN PLOTTED TO SCALE











**BID DOCUMENTS** 

**WARNING** SCALE 0 1/2 1 AS SHOWN THIS BAR MEASURES
1/2" ON 11"x17" SHEET
1" ON 22"x34" SHEET
WHEN PLOTTED TO SCALE VERTICAL NO. DATE FILENAME AS SHOWN

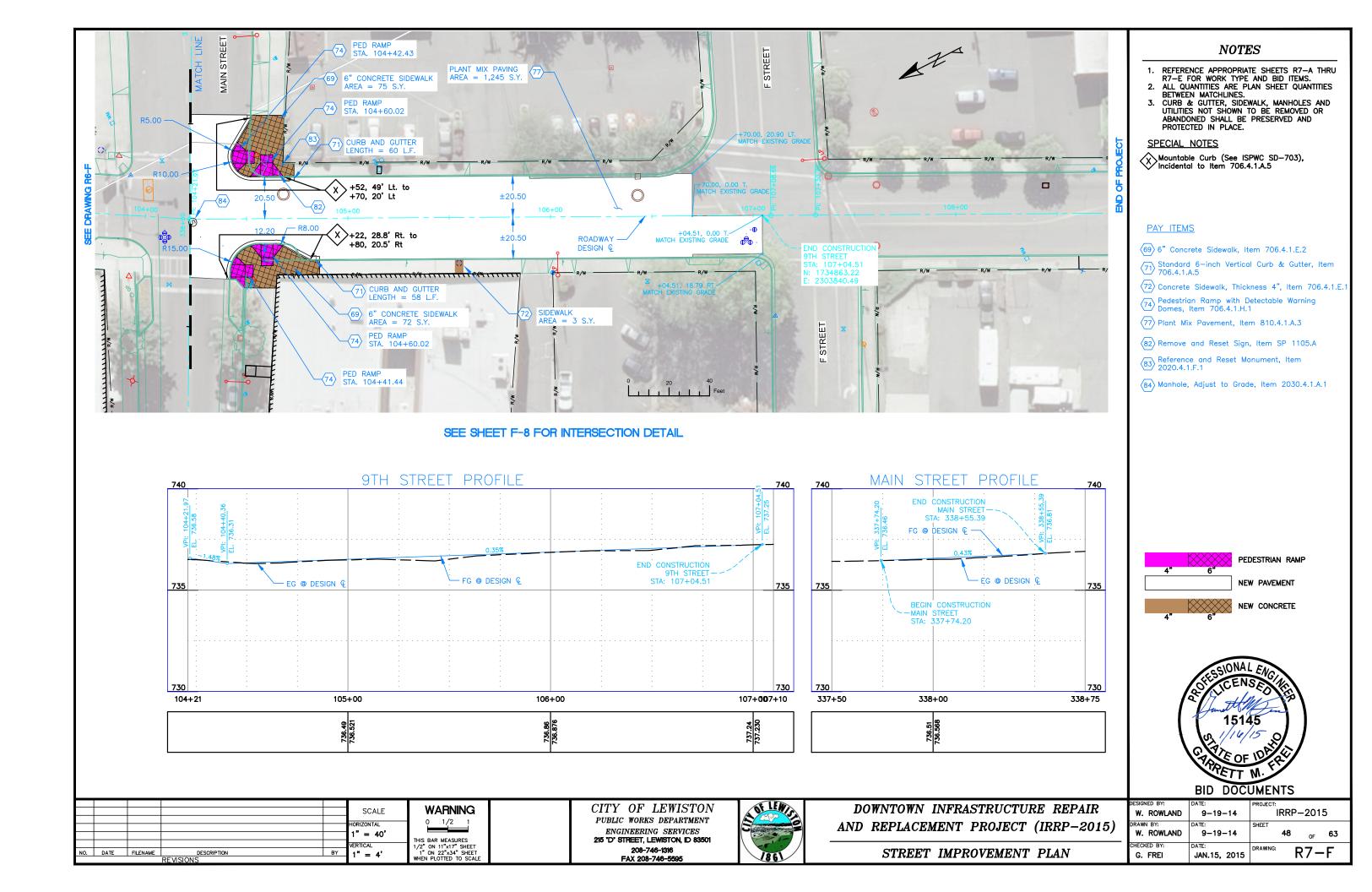
CITY OF LEWISTON PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES
215 'D' STREET, LEWISTON, ID 83501 208-746-1316 FAX 208-746-5595

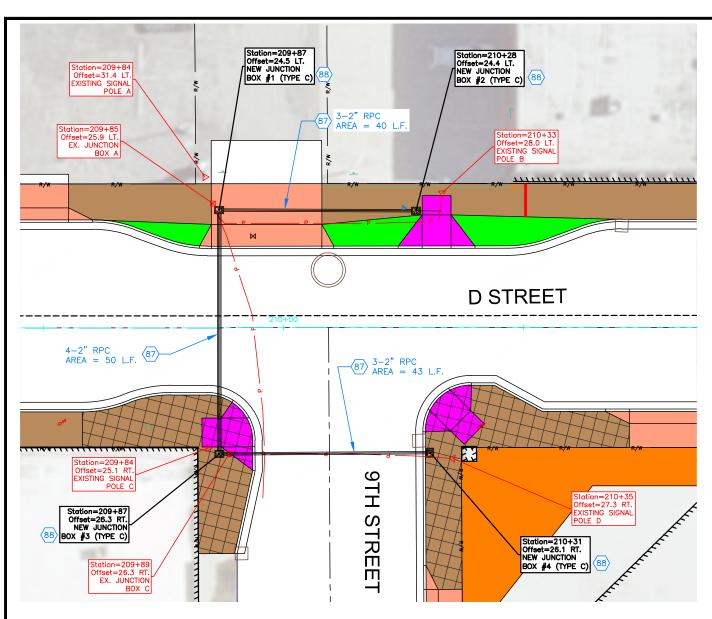


# DOWNTOWN INFRASTRUCTURE REPAIR AND REPLACEMENT PROJECT (IRRP-2015)

STORM DRAIN LATERAL PROFILES

DESIGNED BY:	DATE:	PROJECT:
J. KAUFMAN	2014	IRRP-2015
DRAWN BY:	DATE:	SHEET
B. STEWART	2014	47 <sub>OF</sub> 63
CHECKED BY: S. STUBBERS	DATE: JAN.15, 2015	DRAWING: R7-D





# 9TH & "D" STREET INTERSECTION SCALE 1" = 20'

- 1. Replace existing Junction Box A with New Junction Box #1, Intercept conduit coming out of Existing Signal Pole A and route into New Junction Box #1.
- 2. Add New Junction Box #2, Intercept conduit coming out of Existing Signal Pole B and route into New Junction Box #2.
- 3. Replace existing Junction Box C with New Junction Box #3, Intercept conduit coming out of Existing Signal Pole C and route into New Junction Box #3
- 4. Add New Junction Box #4, Intercept conduit coming out of Existing Signal Pole D and route into New Junction Box
- 5. Add 3 2" RCP from New Junction Box #1 to New Junction Box #2
- 6. Add 4 2" RCP from New Junction Box #1 to New Junction Box #3
- 7 Add 3.2" RCP from New Junction Box #3 to New Junction Box #4

# SPECIAL NOTES

be made.

# PAY ITEMS

- 89 Service Pedestal, Item 1102.4.1.G.1

Z City of Lewiston to provide and pull all wiring for the Traffic Signals, the contractor will provide and pull all wiring for the Decrative Lighting and the wiring is incidental to the new components and no seperate payment will

- (87) Conduit, Size 2", Item 1102.4.1.E.1
- \(\lambda 88 \rightarrow \) Junction Box, 18"X23", Item 1102.4.1.F.1

# Station=103+87 Offset=31.3 LT. NEW DUAL METER SERVICE PEDESTAL Station=103+99 Offset=19.2 RT. NEW JUNCTION Offset=32.2 LT. NEW JUNCTION BOX #6 (TYPE C) EX. CONDUIT FOR BOX #9 (TYPE C) DECRATIVE LIGHTING MAIN STREET 2-2" RPC AREA = 61 L.F 3-2" RPC AREA = 55 L.F. Station=104+50 Offset=20.6 RT. NEW JUNCTION Station=104+55 Offset=34.6 LT. NEW JUNCTION BOX #11 (TYPE C) BOX #10 (TYPE C) set=28.6 RT STREET 9TH 9TH & MAIN STREET INTERSECTION SCALE 1" = 20"NARRATIVE: 1. Install New Dual Service Meter Pedestal (Myers #MEUSGSD-M100/M100W/TB-ITD-MOD or approved equal) and separate out signal power from decorative

EX. PRIVATE

SIGN (NORCO)

Station=103+90 Offset=30.2 LT. NEW JUNCTION BOX #5 (TYPE C)

4. Add New Junction Box #7. 5. Replace Existing Junction Box F with New Junction Box #8, Intercept signal conduit coming out of Existing Signal Pole F and route into New Junction Box #8.

2. Replace Existing Junction Box E with New Junction Box #5, Intercept signal conduit coming out of Existing Signal Pole E and route into New Junction Box #5 and

3. Add New Junction Box #6, Intercept decorative lighting conduit coming out of Existing Signal Pole E and route into New Junction Box #6, add conduit coming out

- 6. Add New Junction Box #9, Intercept existing conduit running east-west along Main Street for decorative lighting and route into New Junction Box #9.
- 7. Replace Existing Junction Box G1 with New Junction Box #10, Intercept conduit coming out of Existing Signal Pole G and route into New Junction Box #10
- 8. Remove Existing Junction Box G2, this box no longer required.

of new Dual Service Meter Pedestal for decorative lighting.

add conduit coming out of new Dual Service Meter Pedestal for Signal Power.

Station=103+95 Offset=22.5 RT. NEW JUNCTION

BOX #7 (TYPE C)

Station=103+96 Offset=30.9 RT. NEW JUNCTION BOX #8 (TYPE C)

- 9. Add New Junction Box #11, Intercept conduit coming out of Existing Signal Pole H and route into New Junction Box #11.
- 10. Add 4 2" RCP from New Junction Box #5 to New Junction Box #7
- 11 Add 2.2" RCP from New Junction Box #7 to New Junction Box #8
- 12. Add 2 2" RCP from New Junction Box #6 to New Junction Box #9.
- 13. Add 3 2" RCP from New Junction Box #7 to New Junction Box #10. 14. Add 2 2" RCP from New Junction Box #5 to New Junction Box #11.
- 15. Pull new wire from Junction Box #9 to Junction Box #6 to New Dual Service Pedestal and reconnect decorative lighting.
- 16. City of Lewiston to pull all wiring and reconnect all Traffic Signals.



**BID DOCUMENTS** 

SCALE WARNING 1/2 AS SHOWN THIS BAR MEASURES 1/2" ON 11"x17" SHEET 1" ON 22"x34" SHEET WHEN PLOTTED TO SCALE /ERTICAL NO. DATE FILENAME NA

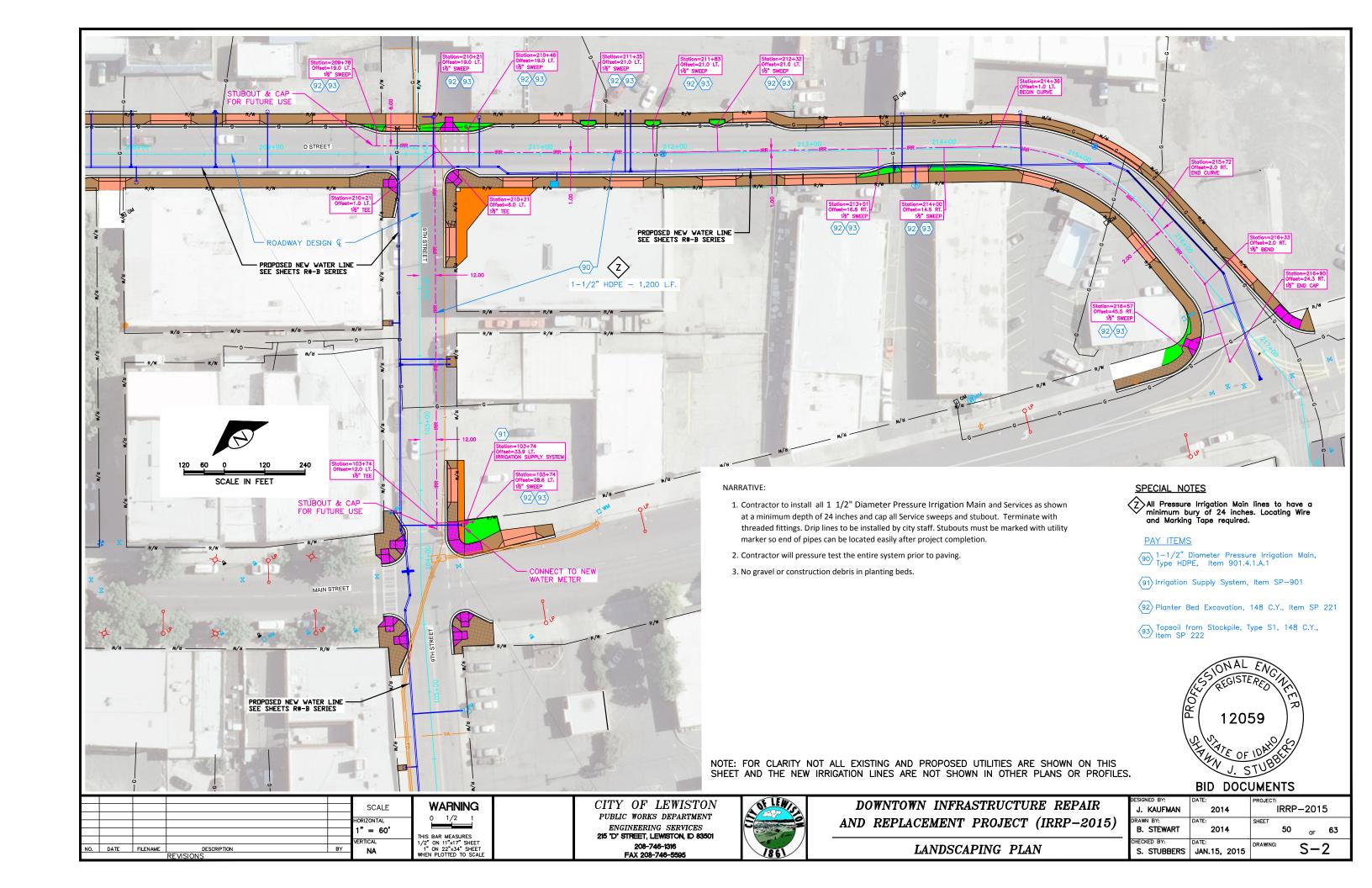
CITY OF LEWISTON PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 215 "D" STREET, LEWISTON, ID 83501 208-746-1316 FAX 208-746-5595

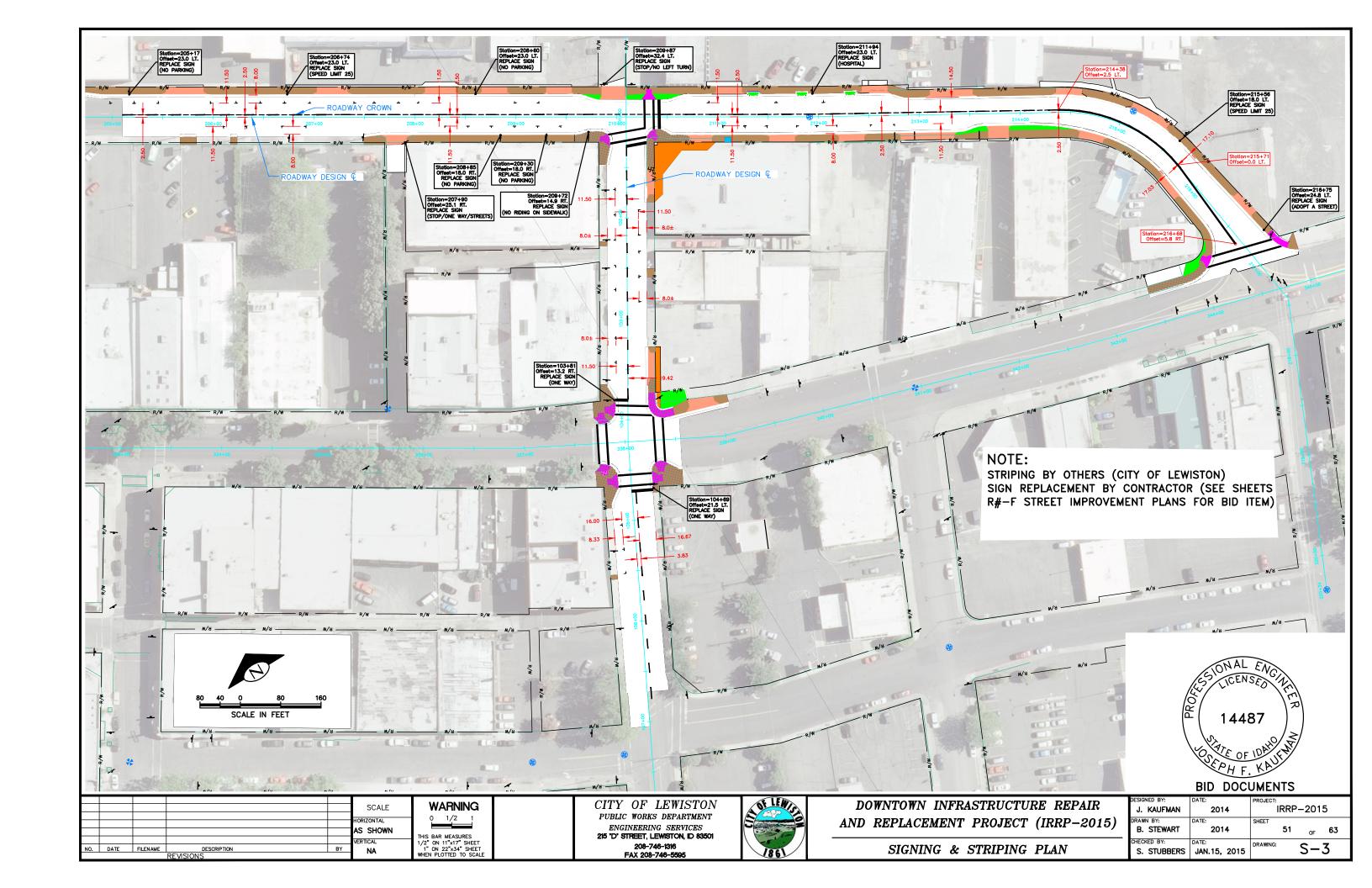


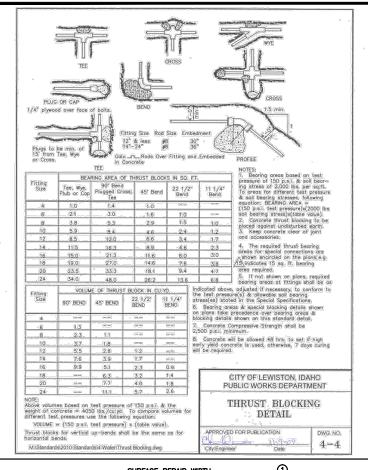
lighting power.

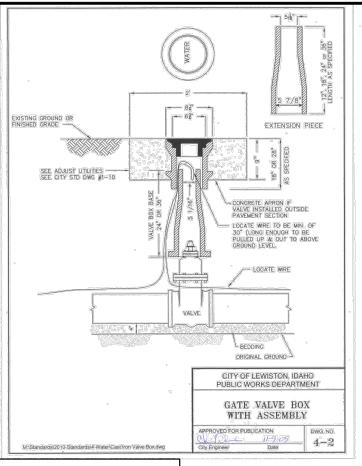
# DOWNTOWN INFRASTRUCTURE REPAIR AND REPLACEMENT PROJECT (IRRP-2015) TRAFFIC SIGNAL ELECTRICAL DETAILS

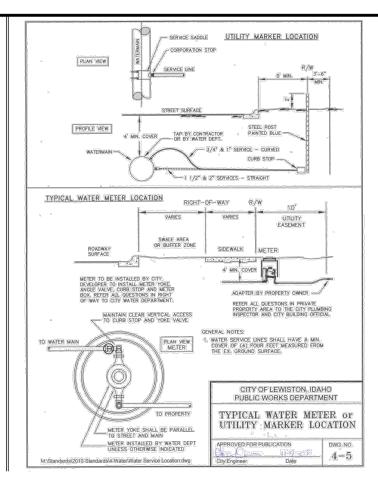
DESIGNED BY:	DATE:	PROJECT:
J. KAUFMAN	2014	IRRP-2015
DRAWN BY:	DATE:	SHEET
B. STEWART	2014	49 <sub>OF</sub> 63

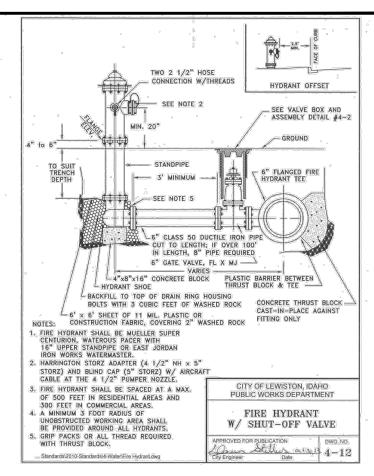


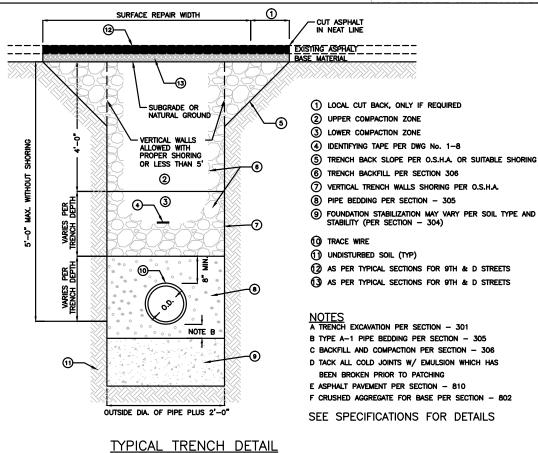












The detail drawings shown hereon are for convenience in bidding and work in the field. Not all the necessary details are shown. A full size copy of all the necessary City of Lewiston Standard Details are provided in the contract documents and may also be found on the City of Lewiston Official Web site <a href="http://www.cityoflewiston.org/DocumentCenter">http://www.cityoflewiston.org/DocumentCenter</a> under the folder Public Works /Engineering / Standard Dwgs

# 4 Water Standards

4-1 Potable & Non-potable Waterline Separation	November '09
4-2 Gate Valve Box w/ Assembly	November '09
4-3 Combination Blow Off & Sampling Tap	November '09
4-4 Thrust Blocking Detail	November '09
4-5 Typical Water Meter or Utility Marker Location	November '09
4-6 3/4 " Water Service Connection	November '09
4-7 1 " Water Service Connection	November '09
4-8 1 1/2 " Water Service Connection	November '09
4-9 2 " Water Service Connection	November '09
4-10 Double Check Valve Assembly for 2 " or Smaller .	October '13
4-11 Double Check Valve Assembly for 2 1/2" or Larger	October '13
4-12 Fire Hydrant w/ Shut-off Valve	October '13

**BID DOCUMENTS** 

SCALE
HORIZONTAL
AS SHOWN

THIS BAR MEASURES
NO. DATE FILENAME DESCRIPTION
REVISIONS

SCALE
HORIZONTAL
AS SHOWN

THIS BAR MEASURES
1/2" ON 11"x17" SHEET
NA
1" ON 22"x34" SHEET
WHEN PLOTTED TO SCALE
WHEN PLOTTED TO SCALE
NA

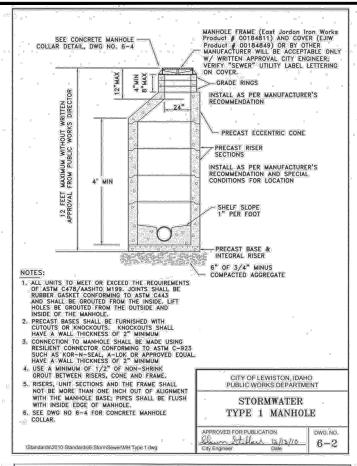
CITY OF LEWISTON
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
215 'D' STHEET, LEWISTON, ID 83501
208-746-1516
FAX 208-746-5595

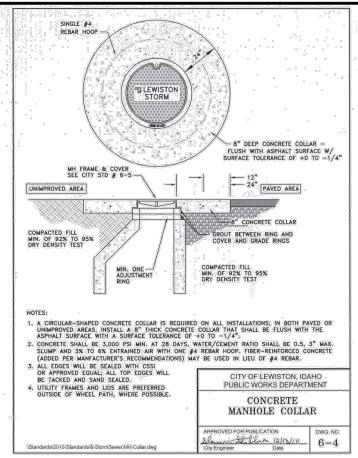


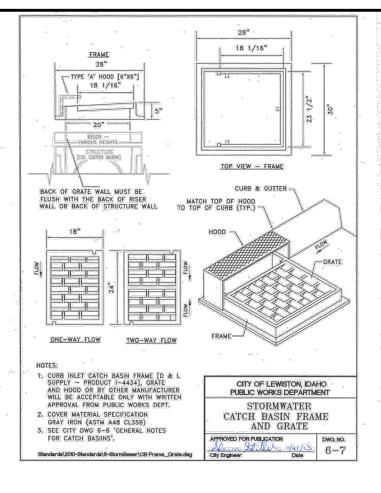
DOWNTOWN INFRASTRUCTURE REPAIR AND REPLACEMENT PROJECT (IRRP-2015)

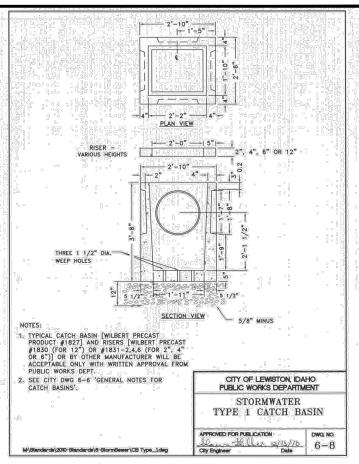
DETAILS WATER

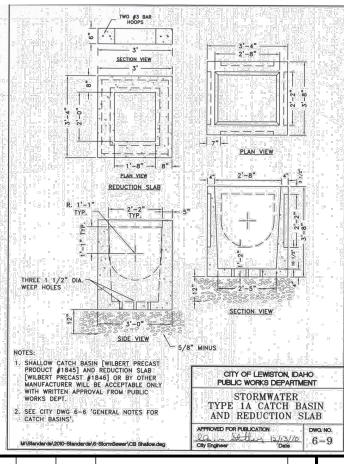
DESIGNED BY:	DATE:	PROJECT:			
J. KAUFMAN	2014	IRRP-2015			
DRAWN BY:	DATE:	SHEET			
B. STEWART	2014	52 <sub>OF</sub> 63			
CHECKED BY:	DATE:	DRAWING:			
S. STUBBERS	JAN.15, 2015	B-1			

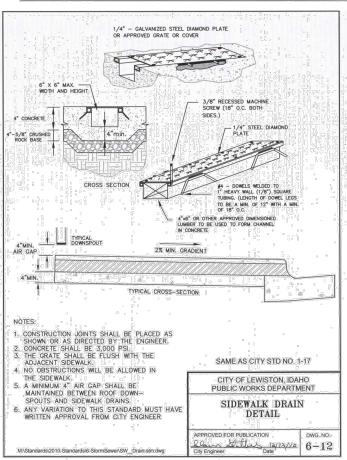












The detail drawings shown hereon are for convenience in bidding and work in the field. Not all the necessary details are shown. A full size copy of all the necessary City of Lewiston Standard Details are provided in the contract documents and may also be found on the City of Lewiston Official Web site <a href="http://www.cityoflewiston.org/DocumentCenter">http://www.cityoflewiston.org/DocumentCenter</a> under the folder Public Works /Engineering / Standard Dwgs

# **6 Stormwater Standards**

6-1 System General Notes	
6-3 Type 1A (Shallow) Manhole	
6-4 Manhole Concrete Collar	
6-5 Manhole Frame and Cover	December '10
6-6 General Catch Basin Notes	December '10
6-7 Catch Basin Frame and Grate	November '13
6-8 Type 1 Catch Basin	December '10
6-9 Type 1A (Shallow) Catch Basin and Reduction Slab	December '10
6-10 Standard Curb Drop Inlet	December '10
6-11 Special Curb Inlet Type '2"	December '10
6-12 Sidewalk Drain Detail	December '10

# BID DOCUMENTS

SCALE

HORIZONTAL

AS SHOWN

VERTICAL

NO. DATE FILENAME DESCRIPTION BY

REVISIONS

WARNING

0 1/2 1

THIS BAR MEASURES
1/2" ON 11"x17" SHEET
1" ON 22"x34" SHEET
MEEN PLOTTED TO SCALE

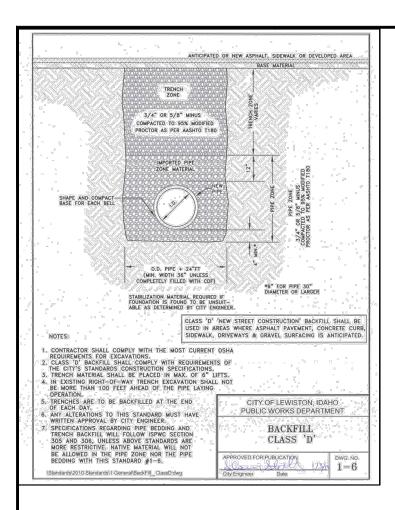
CITY OF LEWISTON
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
215 'D' STHEET, LEWISTON, ID 83501
208-746-1316
FAX 208-746-5595

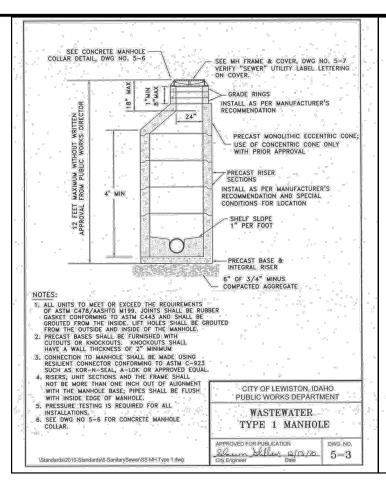


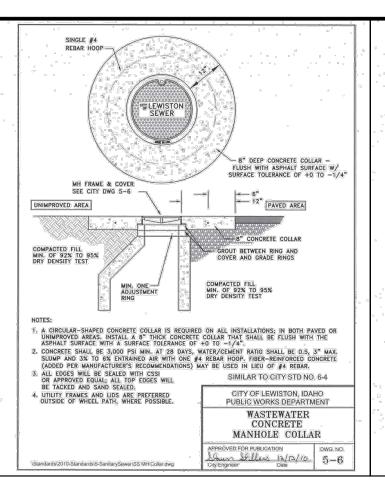
DOWNTOWN INFRASTRUCTURE REPAIR
AND REPLACEMENT PROJECT (IRRP-2015

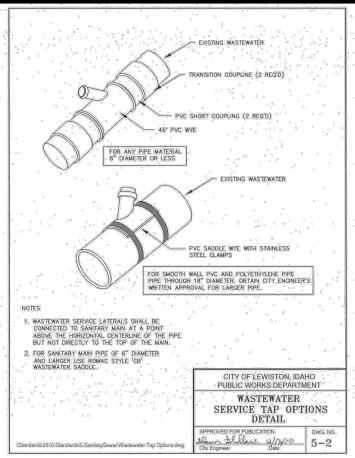
PLACEMENT	PROJECT	(IRRP-2015)
DETAIL	S STORM	

2.2 2 3 3 3 2				
DESIGNED BY:	DATE:	PROJECT:		
S. MACEY	2014	IRRP-2015		
DRAWN BY:	DATE:	SHEET		
B. STEWART	2014	53 <sub>OF</sub> 63		
CHECKED BY:	DATE:	DRAWING:		
S. STUBBERS	JAN.15, 2015	C-1		









The detail drawings shown hereon are for convenience in bidding and work in the field. Not all the necessary details are shown. A full size copy of all the necessary City of Lewiston Standard Details are provided in the contract documents and may also be found on the City of Lewiston Official Web site <a href="http://www.cityoflewiston.org/DocumentCenter">http://www.cityoflewiston.org/DocumentCenter</a> under the folder Public Works /Engineering / Standard Dwgs

# 5 Wastewater Standards

5-1 Wastewater Private Service Connection	December '10
5-2 Service Tap Options	December '10
5-3 Type 1 Manhole Details	December '10
5-4 Type 1A Manhole (Shallow MH)	December '10
5-5 Pressure Wastewater System Service Connec	tion December '10
5-6 Concrete Manhole Collar	December '10
5-7 Manhole Frame & Cover	November '13
5-8 Manhole Channel Details	December '10

# **BID DOCUMENTS**

63

WARNING

0 1/2 1

THIS BAR MEASURES
1/2" ON 11"x17" SHEET
1" ON 22"x34" SHEET
WHEN PLOTED TO SCALE

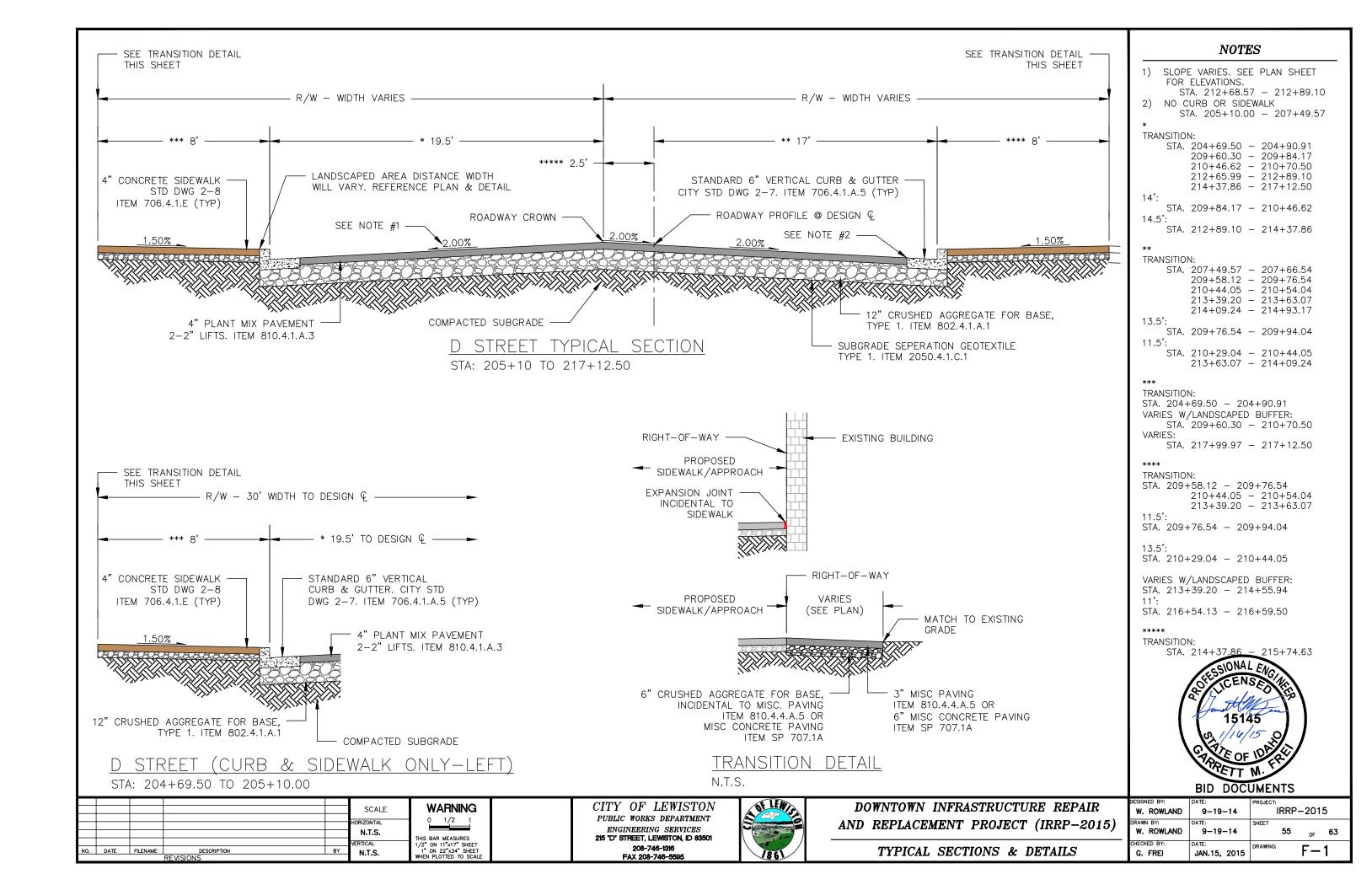
CITY OF LEWISTON
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
215 'D' STREET, LEWISTON, ID 83501
208-746-1316
FAX 208-746-5595

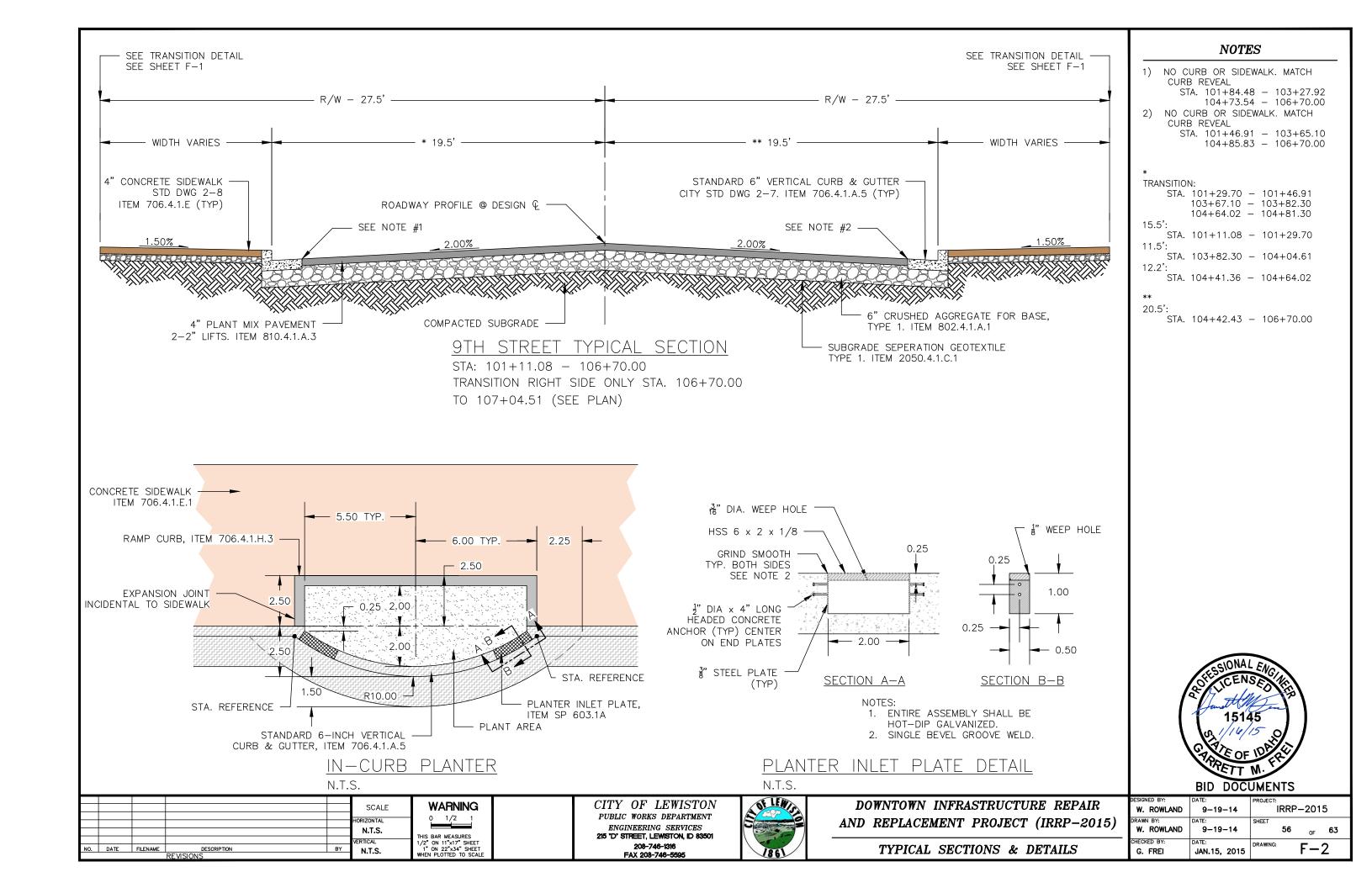


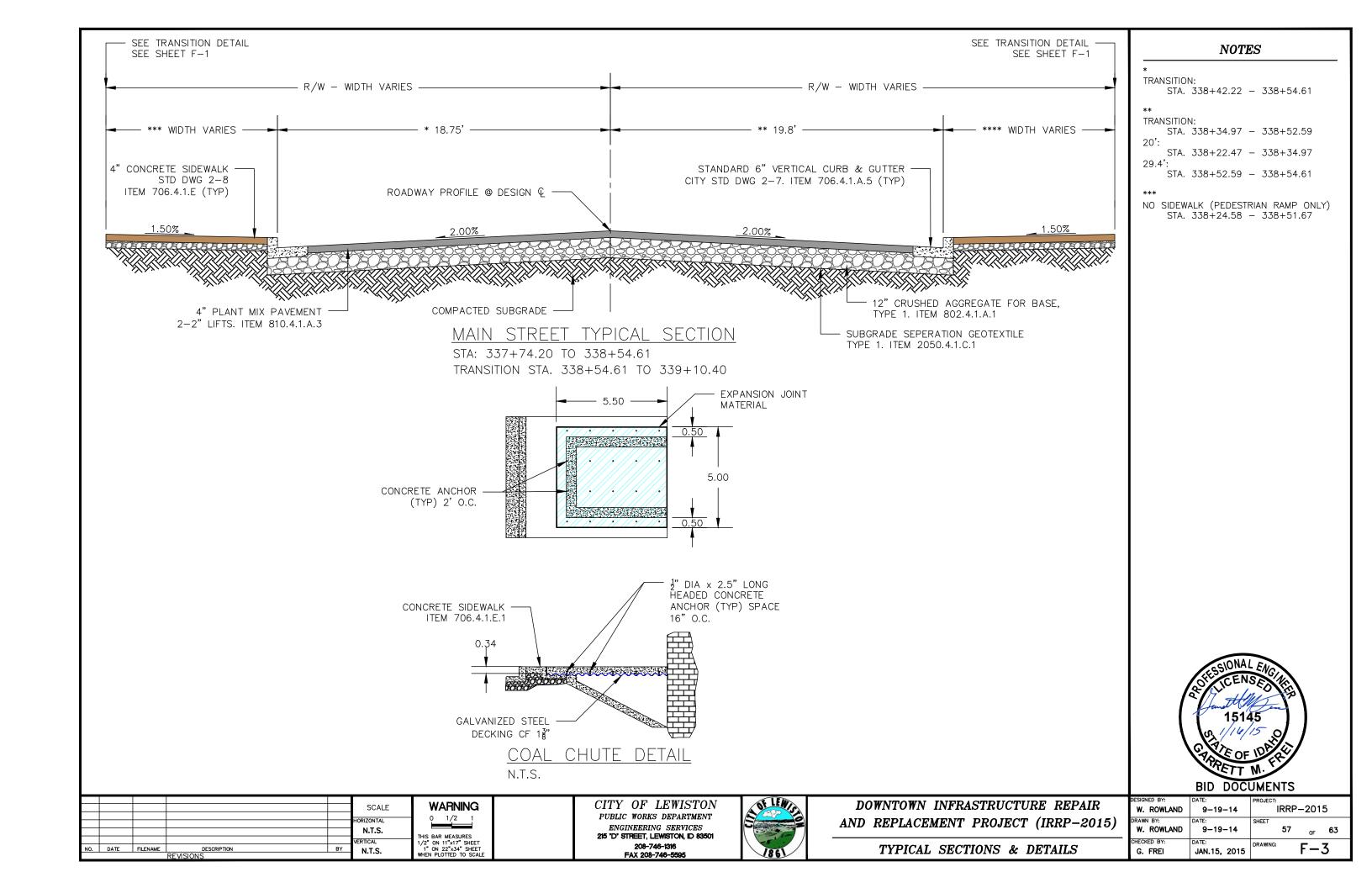
DOWNTOWN INFRASTRUCTURE REPAIR AND REPLACEMENT PROJECT (IRRP-2015)

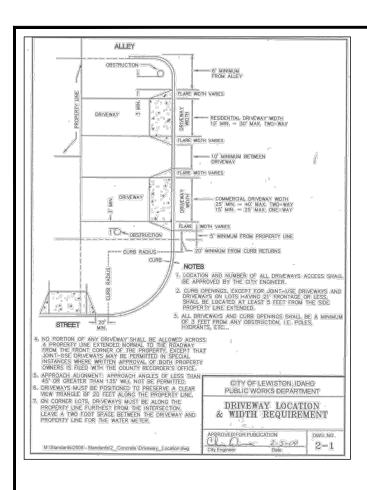
DETAILS SANITARY

-	CHECKED BY:	2014 DATE:	DRAWING:	54	OF	6
	B. STEWART	2014	SHEET	54	OF	6
	J. KAUFMAN DRAWN BY:	2014		RRP-	-201	5
	DESIGNED BY:	DATE:	PROJECT:			





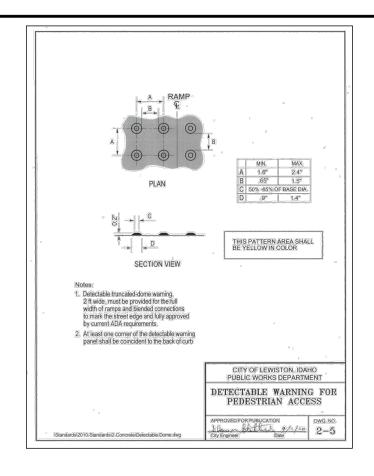


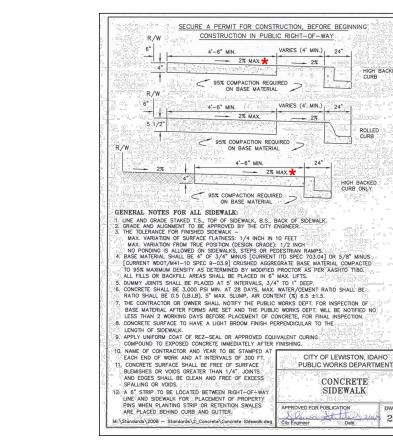


-1'-2" -----1" BATTER

HIGH BACK CURB & GUTTER

ROLLED CURB & GUTTER ALL TOLERANCES ARE ±1/4" UNLESS OTHERWISE NOTED







CITY OF LEWISTON, IDAHO PUBLIC WORKS DEPARTMENT

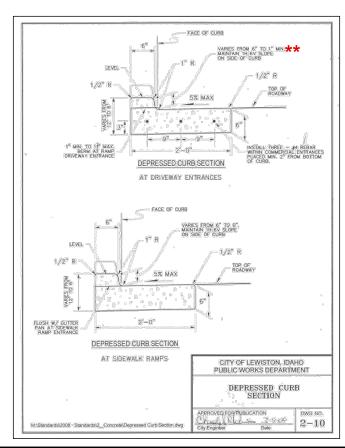
ROLLED CURB & GUTTER

CITY OF LEWISTON PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES 215 'D' STREET, LEWISTON, ID 83501 208-746-1316 FAX 208-746-5595

HIGH BACKED CURB



# GENERAL NOTES FOR ALL TYPES OF CURB AND GUTTER SECURE A PERMIT FOR CONSTRUCTION, BEFORE BEGINNING CONSTRUCTION IN PUBLIC RICHT-OF-WAY. GRADE, ALIGNMENT AND CURB TYPE SHALL BE AS APPROVED BY THE CITY ENGINEER. Z. GKADE, ALIGNMENT AND CURB TYPE SHALL BE AS APPROVED BY THE CITY ENGINEER. 3. ALIGNMENT AND GRADE STAKED TO LIP OF GUTTER (LIP) SHALL BET STABLISHED OR APPROVED BY THE CITY ENGINEER. 4. THE TOLERANCE FOR FINISHED CURB AND GUTTER — MAX. VARIATION FROM TRUE POSITION (DESIGN GRADE): 1/2 INCH—STARL AND AMERICAL SHALL BE 4 of 9.34 INCH MINUS [CURRENT ITD SPEC 9.03.04] OR 5/8 INCH MINUS [CURRENT WOOT/M41-10 SPEC 9-0.3.9] CRUSHED AGGREGATE ASSE MATERIAL SHALL BE 4-2 OF 3/4 INCH MINUS [CURRENT WOOT/M41-10 SPEC 9-0.3.9] CRUSHED AGGREGATE ASSE MATERIAL COMPACTED TO 85% MAXIMUM. DENSITY AS DETERMINED BY MODIFIED PROCTOR AS PER AASHTO TIBO. ALL FILL OR BACKFILL AREAS SHALL BE PLACED IN 6"TO 8" MAXIMUM LIFTS. IN AREAS OF SMALL PROJECTS, LIMITED HEAVY TRUCK TRAFFIC OR WHERE COMPACTION EQUIPMENT HAS LIMITED ACCESS A REDUCED S COMPACTION MAY BE ALLOWED WITH WRITTEN APPROVAL FROM PUBLIC WORK DIRECTOR. ON THE STARL SHALL BE ASSE DAYS, MAXIMUM WONTEN (5) 6.5 (15 J. 5) ALL BE 0.5 (16 J. 6). SI MAX SLUMP, AR WATER/CEMENT RAITO SHALL BE 0.5 (LB/LB), 5" MAX. SLUMP, AM CONTENT (3) 6.5 ±1.5. DUMMY JOINTS AT 10 FOOT INTERVALS AND AT CURB RADII, 3/4" TO 1" DEEP. CONSTRUCTION JOINTS LOCATIONS AS DIRECTED BY CITY ENGINEER—DIFFERENTIAL ELEVATION BETWEEN ADJACENT SECTIONS SHALL NOT EXCED 1/4". THE CONTRACTOR ARE REQUIRED BY THE PUBLIC WORKS DEPARTMENT TO MARK STUB—OUTS AND VALVES IN THE UNCURED CONCEPTE. DEPARTMENT TO MARK STUB-OUTS AND VALVES IN THE UNDUTED. CONORCIE. 9. THE CONTRACTOR OR OWNER SHALL NOTIFY THE PUBLIC WORKS. DEPARTMENT FOR INSPECTION AFTER THE FORMS ARE SET AND THE PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED NO LESS THAN 2 WORKING DAYS BEFORE PLACEMENT OF CONCRETE FOR A FINAL INSPECTION. FAILURE TO NOTIFY THE PUBLIC WORKS DEPARTMENT IS GROUNDS FOR REJECTION OF CURB AND GUTTER. 10. CONCRETE SURFACE TO HAVE A LIGHT BROOM FINISH PARALLEL WITH THE LENGTH OF THE CURB. 11. APPLY UNIFORM COAT OF REZ-SEAL OR APPROVED EQUIVALENT CURING COMPOUND TO EXPOSED CONCRETE IMMEDIATELY AFTER FINISHING. 12. ROLLED CURB AND GUTTER SHALL NOT BE USED: COMPOUND 10 EXPOSED CONCRETE IMMEDIATELY AFTER FINISHING. 12: ROLLED CURB AND GUTTER SHALL NOT BE USED: A. ON STREETS IN COMMERCIAL AND INDUSTRIAL STREETS WITH LONGITUDINAL (LENGTHWISE) GRADES IN STREETS WITH LONGITUDINAL STREETS WITH LONGITUDINAL STREETS WITH LONGITUDINAL STREETS WITH GENERAL NOTES CURB AND GUTTER



# BID DOCUMENTS

**NOTES** 

SIDEWALK TO BE CONSTRUCTED WITH A

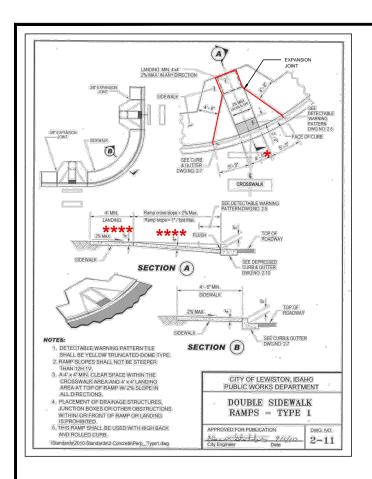
CURB HEIGHT TO BE 2.4" ON DRIVEWAY APPROACHES THAT ARE 3' IN DEPTH.

1.5% SLOPE

DOWNTOWN INFRASTRUCTURE REPAIR AND REPLACEMENT PROJECT (IRRP-2015)

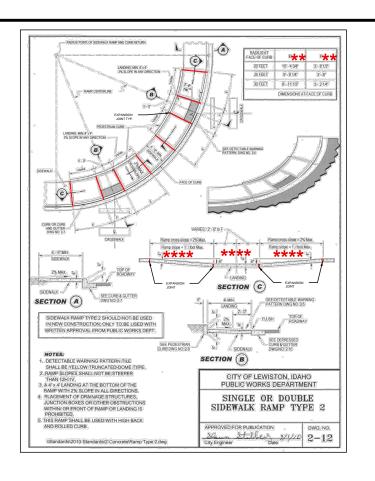
TYPICAL SECTIONS & DETAILS

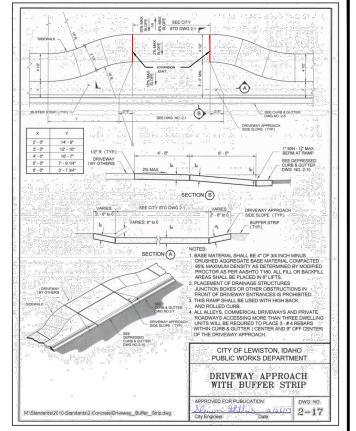
DID DOOMLIT							
DESIGNED BY:	DATE:	PROJECT:					
W. ROWLAND	9-19-14	IRRP-2015					
DRAWN BY:	DATE:	SHEET					
W. ROWLAND	9-19-14	58 <sub>OF</sub> 63					
CHECKED BY:	DATE:	DRAWING:					
G. FREI	JAN.15, 2015	F-4					



SEE CITY STD DWG 2-1 2'-6"

SECTION (A)





# NOTES

TYPE I PEDESTRIAN RAMPS TO BE CONSTRUCTED AT A WIDTH OF 6'-0"

\*\*

"E" DIMENSION:

RAMP FOR 9TH & MAIN = 14'-0" F" DIMENSION:

RAMP FOR 9TH & MAIN = 8'-0"

RAMP FOR D & MAIN WILL USE THE "E" AND "F" DIMENSIONS FOR A 30' FACE OF CURB RADIUS.

\*\*\*

RAMPS WILL BE CONSTRUCTED WITH A DEPTH OF 3'-O", EXCEPT FOR RAMPS LOCATED AT:

STA. 209+96.52 (D STREET) 213+78.07 (D STREET) 103+95.04 (9TH STREET)

\*\*\*

ALL RAMPS TO BE CONSTRUCTED AT A DEPTH OF 6", EXCEPT FOR THE RAMPS LOCATED AT:

STA. 210+31.95 (D STREET) 216+93.06 (D STREET) 216+66.48 (D STREET)





NOTES:
1-BASE MATERIAL SHALL BE 4"-OF 3/4 INCH MINUS
CRUSHED AGGREGATE BASE MATERIAL COMPACTED
95% MAXIMUM DENSITY AS DETERMINED BY MODIFIED
PROCTOR AS PER AASHTO T180. ALL FILL OR BACKFILL
AREAS SHALL BE PLACED IN 6" LIFTS.

2. PLACEMENT OF DRAINAGE STRUCTURES
JUNCTION BOXES OR OTHER OBSTRUCTIONS IN
FRONT OF DRAINEWAY ENTRANCES IS PROHIBITE!
3. THIS RAMP SHALL BE USED WITH HIGH BACK
AND ROLLED CURB.

CITY OF LEWISTON, IDAHO
PUBLIC WORKS DEPARTMENT
DRIVEWAY APPROACH
WIDE SIDEWALK

CITY OF LEWISTON
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
215 'D' STREET, LEWISTON, ID 83501
208-746-1316
FAX 208-746-5595



DOWNTOWN INFRASTRUCTURE REPAIR
AND REPLACEMENT PROJECT (IRRP-2015)

TYPICAL SECTIONS & DETAILS

DID DOGGINETTIO					
DESIGNED BY:	DATE:	PROJECT:			
W. ROWLAND	9-19-14	IRRP-2015			
DRAWN BY:	DATE:	SHEET			
W. ROWLAND	9-19-14	59 <sub>OF</sub> 63			
CHECKED BY:	DATE:	DRAWING:			
G. FREI	JAN.15, 2015	F-5			



