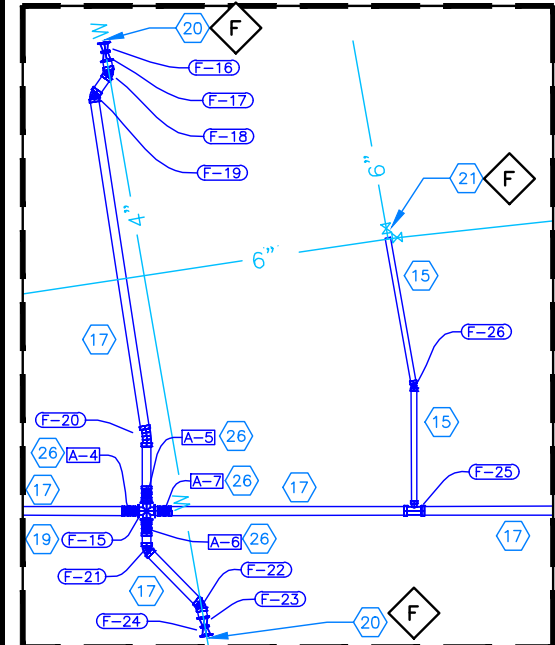
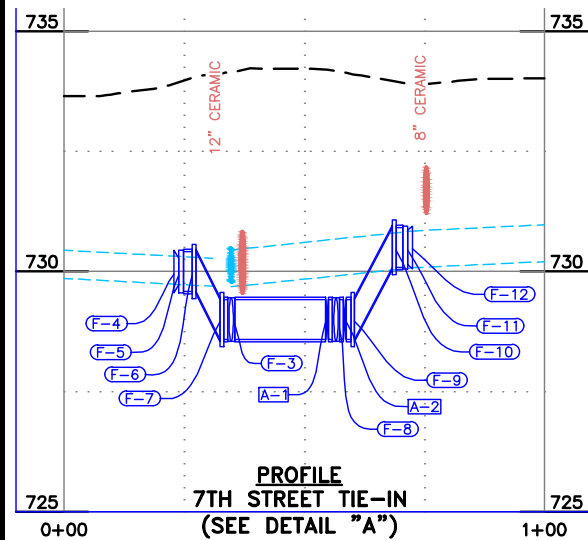


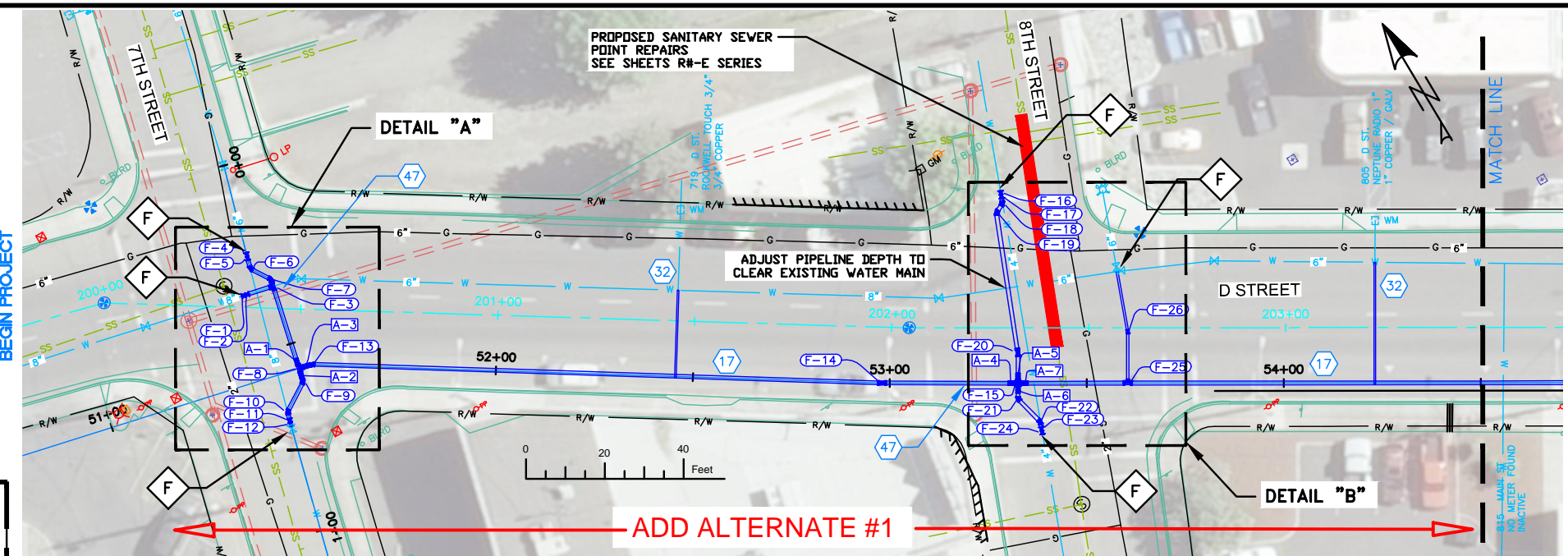
DETAIL "A"
SCALE 1" = 20'



DETAIL "B"
SCALE 1" = 20'



PROFILE
7TH STREET TIE-IN
(SEE DETAIL "A")



PROPOSED SANITARY SEWER
POINT REPAIRS
SEE SHEETS R#-E SERIES

DETAIL "A"

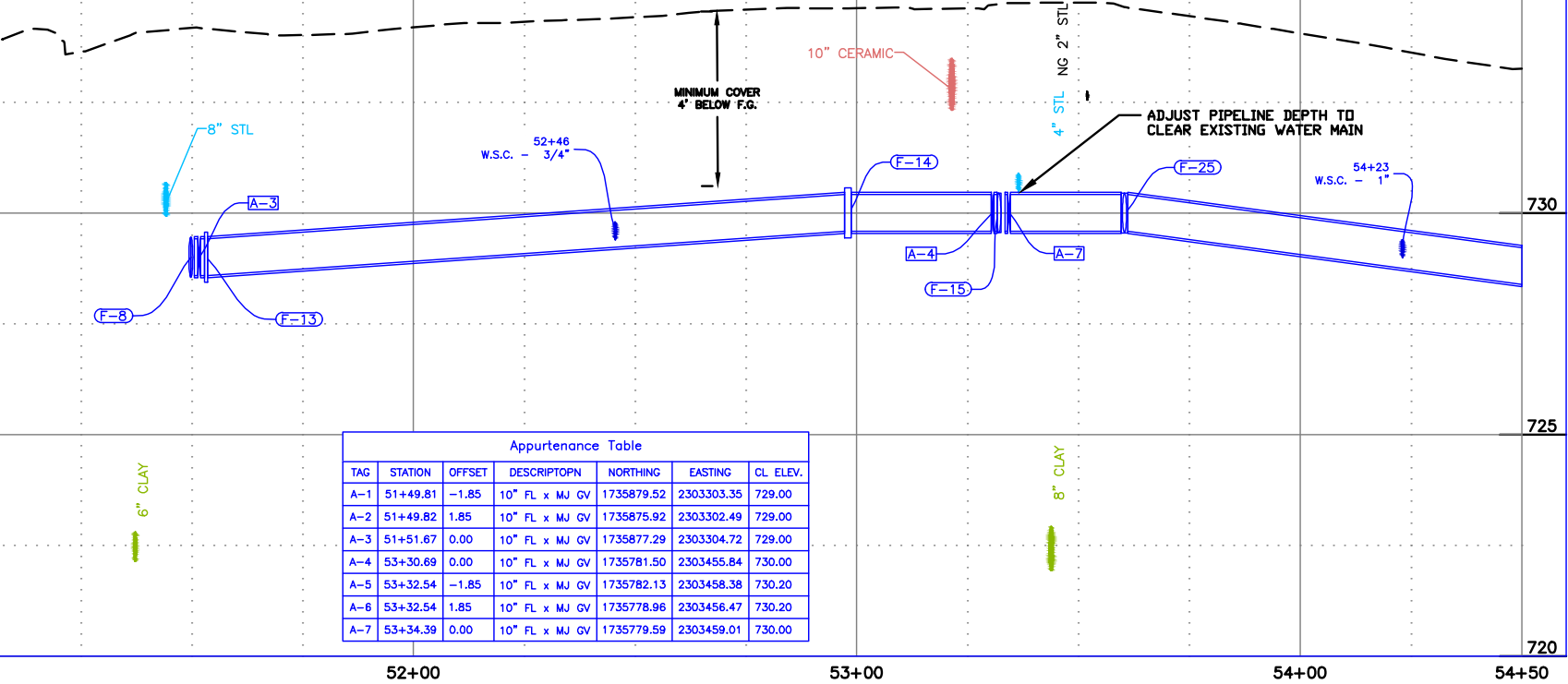
ADJUST PIPELINE DEPTH TO
CLEAR EXISTING WATER MAIN

DETAIL "B"

ADD ALTERNATE #1

| Fitting Table | | | | | | |
|---------------|----------|--------|---------------------|------------|------------|-----------|
| TAG | STATION | OFFSET | DESCRIPTION | NORTHING | EASTING | CL. ELEV. |
| F-1 | 51+41.89 | -21.83 | 8" MJ COUPLER | 1735900.80 | 2303300.32 | 730.00 |
| F-2 | 51+42.89 | -21.83 | 10" x 8" MJ REDUCER | 1735900.57 | 2303301.30 | 730.00 |
| F-3 | 51+49.79 | -21.84 | 10" MJ TEE | 1735898.96 | 2303308.01 | 729.00 |
| F-4 | 51+45.84 | -31.53 | 6" MJ COUPLER | 1735909.31 | 2303306.43 | 730.00 |
| F-5 | 51+45.78 | -30.53 | 10" x 6" MJ REDUCER | 1735908.35 | 2303306.14 | 730.00 |
| F-6 | 51+45.64 | -27.81 | 10" MJ 45 ELL | 1735905.74 | 2303305.37 | 730.00 |
| F-7 | 51+49.79 | -23.73 | 10" MJ 45 ELL | 1735900.80 | 2303308.45 | 729.00 |
| F-8 | 51+49.82 | 0.00 | 10" FL TEE | 1735877.72 | 2303302.93 | 729.00 |
| F-9 | 51+49.82 | 3.49 | 10" MJ 45 ELL | 1735874.32 | 2303302.11 | 729.00 |
| F-10 | 51+43.73 | 9.62 | 10" MJ 45 ELL | 1735869.79 | 2303294.76 | 730.50 |
| F-11 | 51+43.62 | 11.85 | 10" x 8" MJ REDUCER | 1735867.65 | 2303294.13 | 730.50 |
| F-12 | 51+43.57 | 12.85 | 8" MJ COUPLER | 1735866.69 | 2303293.84 | 730.50 |
| F-13 | 51+53.26 | 0.00 | 10" MJ 22 ELL | 1735876.92 | 2303306.28 | 729.00 |

| Fitting Table | | | | | | |
|---------------|----------|--------|----------------------|------------|------------|-----------|
| TAG | STATION | OFFSET | DESCRIPTION | NORTHING | EASTING | CL. ELEV. |
| F-14 | 52+98.03 | 0.00 | 10" MJ 11 ELL | 1735798.29 | 2303427.84 | 730.00 |
| F-15 | 53+32.54 | 0.00 | 10" FL CROSS | 1735780.55 | 2303457.43 | 730.00 |
| F-16 | 53+28.21 | -48.31 | 4" MJ SOLID SLEEVE | 1735824.20 | 2303478.56 | 730.80 |
| F-17 | 53+28.38 | -47.33 | 10" x 4" REDUCER | 1735823.27 | 2303478.20 | 730.80 |
| F-18 | 53+28.68 | -45.56 | 10" MJ 45 ELL | 1735821.60 | 2303477.55 | 730.80 |
| F-19 | 53+27.08 | -43.28 | 10" MJ 45 ELL | 1735820.47 | 2303475.01 | 730.50 |
| F-20 | 53+32.54 | -7.80 | 10" MJ 11 ELL | 1735787.24 | 2303461.44 | 730.50 |
| F-21 | 53+32.54 | 4.03 | 10" MJ 45 ELL | 1735777.09 | 2303455.35 | 730.50 |
| F-22 | 53+38.20 | 9.76 | 10" MJ 45 ELL | 1735769.27 | 2303457.26 | 730.80 |
| F-23 | 53+38.50 | 11.53 | 10" x 6" REDUCER | 1735767.58 | 2303456.61 | 730.80 |
| F-24 | 53+38.67 | 12.52 | 4" MJ SOLID SLEEVE | 1735766.65 | 2303456.25 | 730.80 |
| F-25 | 53+60.40 | 0.00 | 10" x 6" MJ x FL TEE | 1735766.22 | 2303481.32 | 730.00 |
| F-26 | 53+60.40 | -13.01 | 6" MJ 11 ELL | 1735777.37 | 2303488.01 | 730.28 |



| Appurtenance Table | | | | | | |
|--------------------|----------|--------|----------------|------------|------------|-----------|
| TAG | STATION | OFFSET | DESCRIPTION | NORTHING | EASTING | CL. ELEV. |
| A-1 | 51+49.81 | -1.85 | 10" FL x MJ GV | 1735879.52 | 2303303.35 | 729.00 |
| A-2 | 51+49.82 | 1.85 | 10" FL x MJ GV | 1735875.92 | 2303302.49 | 729.00 |
| A-3 | 51+51.67 | 0.00 | 10" FL x MJ GV | 1735877.29 | 2303304.72 | 729.00 |
| A-4 | 53+30.69 | 0.00 | 10" FL x MJ GV | 1735781.50 | 2303455.84 | 730.00 |
| A-5 | 53+32.54 | -1.85 | 10" FL x MJ GV | 1735782.13 | 2303458.38 | 730.20 |
| A-6 | 53+32.54 | 1.85 | 10" FL x MJ GV | 1735778.96 | 2303456.47 | 730.20 |
| A-7 | 53+34.39 | 0.00 | 10" FL x MJ GV | 1735779.59 | 2303459.01 | 730.00 |

NOTES

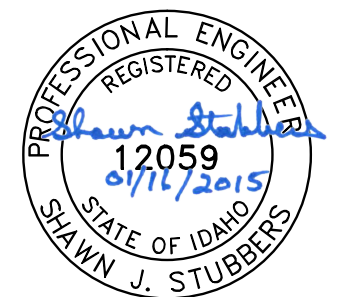
1. REFERENCE APPROPRIATE SHEETS R#-A THRU R#-F FOR WORK TYPE AND BID ITEMS.
2. ALL QUANTITIES ARE PLAN SHEET QUANTITIES BETWEEN MATCHLINES.
3. CURB & GUTTER, SIDEWALK, MANHOLES AND UTILITIES NOT SHOWN TO BE REMOVED OR ABANDONED SHALL BE PRESERVED AND PROTECTED IN PLACE.

SPECIAL NOTES

F Connect to existing main as directed by the engineer.

PAY ITEMS

- 15 Water Main Pipe - 6" DI Class 350, Item 401.4.1.A.1A
- 17 Water Main Pipe - 10" DI Class 350, Item 401.4.1.A.1C
- 19 Water Main Fitting - Size - Type (See Fitting Tables this sheet), Item SP 402.4.1.B.1
- 20 Connect to Existing Main - 4", Item 401.4.1.C.1A
- 21 Connect to Existing Main - 6", Item 401.4.1.C.1B
- 22 Connect to Existing Main - 8", Item 401.4.1.C.1C
- 26 Valve - Size 10", Item 402.4.1.A.1C
- 32 Water Service Connection, No Meter, Item SP 404B
- 47 Sewer Main Crossing, Item SP 507B



BID DOCUMENTS

| NO. | DATE | FILENAME | DESCRIPTION | BY |
|-----|------|----------|-------------|----|
| | | | | |

SCALE
HORIZONTAL
1" = 40'
VERTICAL
1" = 4'

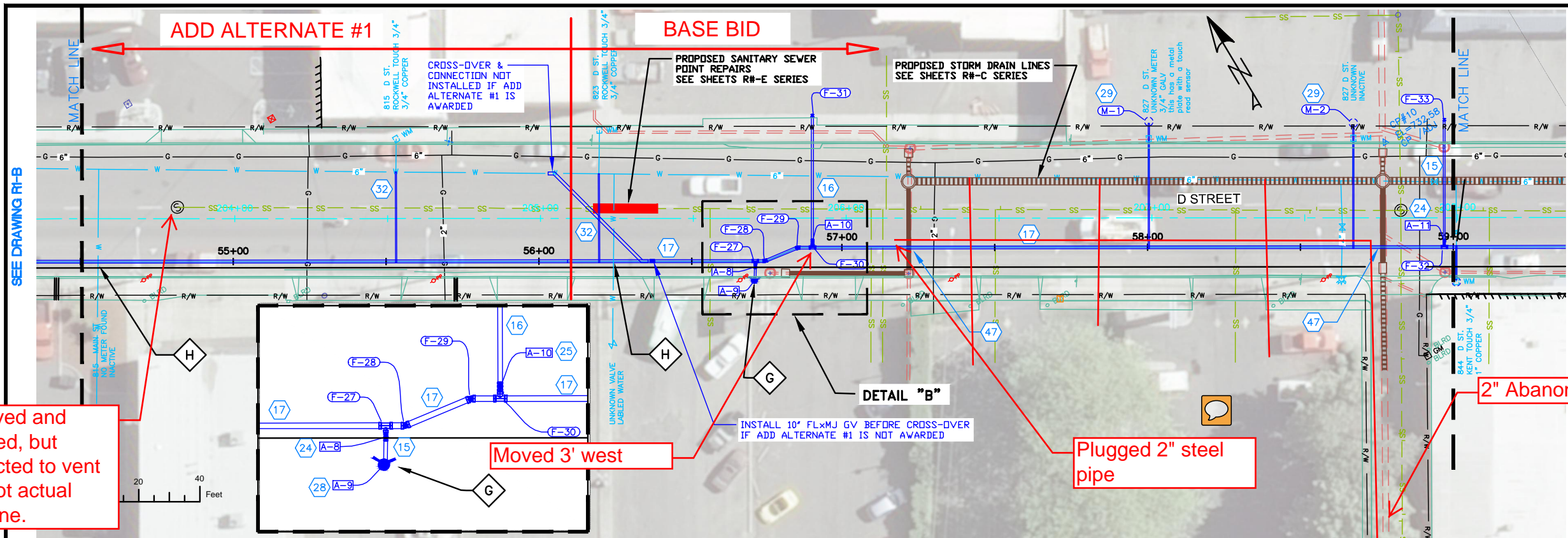
WARNING
0 1/2 1
THIS BAR MEASURES
1/2" ON 11"x17" SHEET
1" ON 22"x34" SHEET
WHEN PLOTTED TO SCALE

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

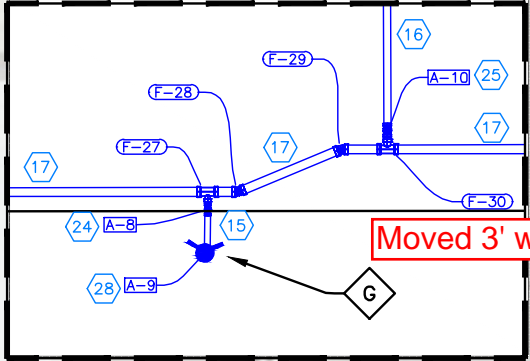


**DOWNTOWN INFRASTRUCTURE REPAIR
AND REPLACEMENT PROJECT (IRRP-2015)**
WATER LINE PLAN & PROFILE

| DESIGNED BY: | DATE: | PROJECT: |
|--------------|--------------|-----------|
| S. STUBBERS | 2014 | IRRP-2015 |
| DRAWN BY: | DATE: | SHEET |
| B. STEWART | 2014 | 15 OF 63 |
| CHECKED BY: | DATE: | DRAWING: |
| S. STUBBERS | JAN.15, 2015 | R1-B |



Removed and replaced, but connected to vent pipe not actual main line.



DETAIL "B"
SCALE 1" = 20'

NOTES

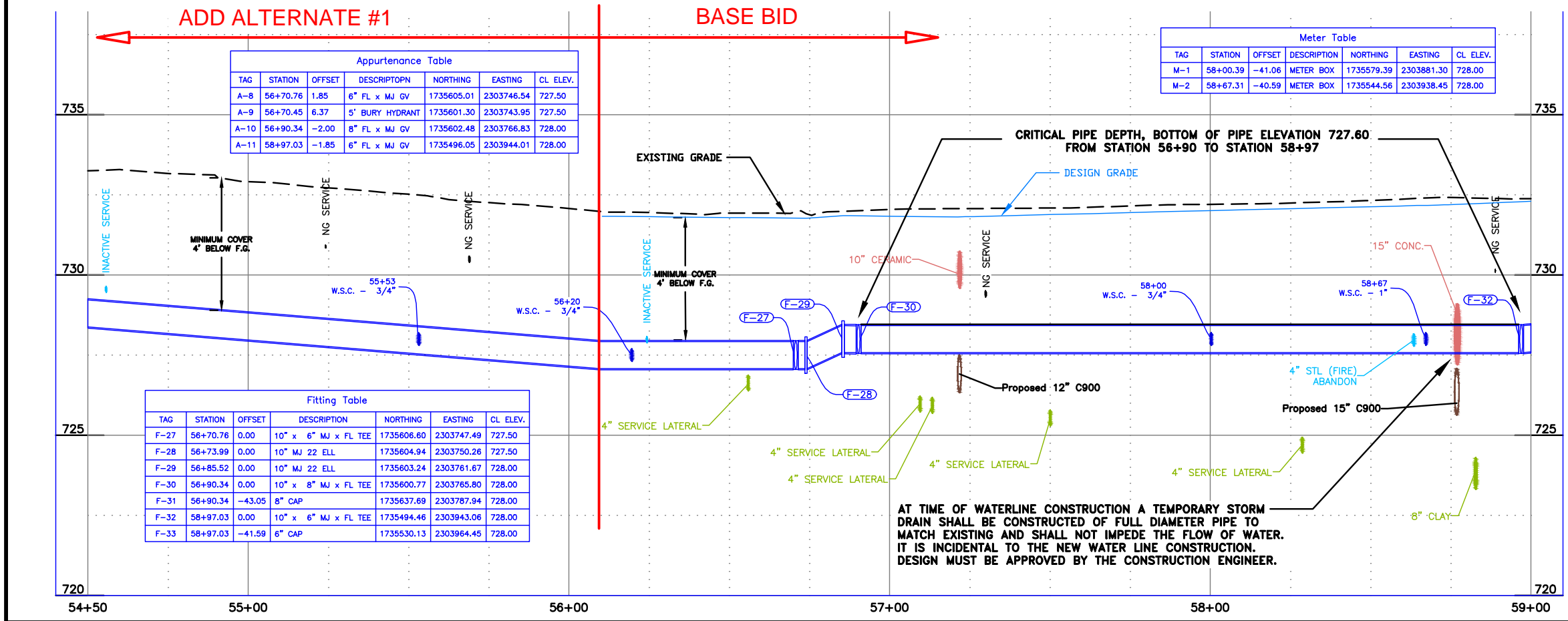
1. REFERENCE APPROPRIATE SHEETS R#-A THRU R#-F FOR WORK TYPE AND BID ITEMS.
2. ALL QUANTITIES ARE PLAN SHEET QUANTITIES BETWEEN MATCHLINES.
3. CURB & GUTTER, SIDEWALK, MANHOLES AND UTILITIES NOT SHOWN TO BE REMOVED OR ABANDONED SHALL BE PRESERVED AND PROTECTED IN PLACE.

SPECIAL NOTES

- F Connect to existing main as directed by the engineer.
- G Install Hydrant as directed by project engineer.
- H Abandon inactive service line in place.

PAY ITEMS

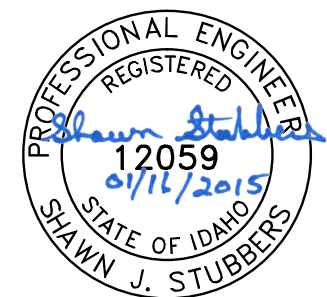
- 15 Water Main Pipe - 6" DI Class 350, Item 401.4.1.A.1A
- 16 Water Main Pipe - 8" DI Class 350, Item 401.4.1.A.1B
- 17 Water Main Pipe - 10" DI Class 350, Item 401.4.1.A.1C
- 19 Water Main Fitting - Size - Type (See Fitting Table this sheet), Item SP 402.4.1.B.1
- 24 Valve - Size 6", Item 402.4.1.A.1A
- 25 Valve - Size 8", Item 402.4.1.A.1B
- 28 Hydrant, Item 403.4.1.A.1
- 29 Water Service Connection (See Meter Table this sheet), Size ____, Item 404.4.1.A.1A
- 32 Water Service Connection, No Meter, Item SP 404B
- 47 Sewer Main Crossing, Item SP 507B



| Appurtenance Table | | | | | | |
|--------------------|----------|--------|-----------------|------------|------------|-----------|
| TAG | STATION | OFFSET | DESCRIPTION | NORTHING | EASTING | CL. ELEV. |
| A-8 | 56+70.76 | 1.85 | 6" FL x MJ GV | 1735605.01 | 2303746.54 | 727.50 |
| A-9 | 56+70.45 | 6.37 | 5' BURY HYDRANT | 1735601.30 | 2303743.95 | 727.50 |
| A-10 | 56+90.34 | -2.00 | 8" FL x MJ GV | 1735602.48 | 2303766.83 | 728.00 |
| A-11 | 58+97.03 | -1.85 | 6" FL x MJ GV | 1735496.05 | 2303944.01 | 728.00 |

| Meter Table | | | | | | |
|-------------|----------|--------|-------------|------------|------------|-----------|
| TAG | STATION | OFFSET | DESCRIPTION | NORTHING | EASTING | CL. ELEV. |
| M-1 | 58+00.39 | -41.06 | METER BOX | 1735579.39 | 2303881.30 | 728.00 |
| M-2 | 58+67.31 | -40.59 | METER BOX | 1735544.56 | 2303938.45 | 728.00 |

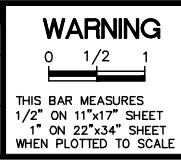
| Fitting Table | | | | | | |
|---------------|----------|--------|----------------------|------------|------------|-----------|
| TAG | STATION | OFFSET | DESCRIPTION | NORTHING | EASTING | CL. ELEV. |
| F-27 | 56+70.76 | 0.00 | 10" x 6" MJ x FL TEE | 1735606.80 | 2303747.49 | 727.50 |
| F-28 | 56+73.99 | 0.00 | 10" MJ 22 ELL | 1735604.94 | 2303750.26 | 727.50 |
| F-29 | 56+85.52 | 0.00 | 10" MJ 22 ELL | 1735603.24 | 2303761.67 | 728.00 |
| F-30 | 56+90.34 | 0.00 | 10" x 8" MJ x FL TEE | 1735600.77 | 2303765.80 | 728.00 |
| F-31 | 56+90.34 | -43.05 | 8" CAP | 1735637.69 | 2303787.94 | 728.00 |
| F-32 | 58+97.03 | 0.00 | 10" x 6" MJ x FL TEE | 1735494.46 | 2303943.06 | 728.00 |
| F-33 | 58+97.03 | -41.59 | 6" CAP | 1735530.13 | 2303964.45 | 728.00 |



BID DOCUMENTS

| 1 | 11/16/15 | As-builts | GMF |
|-----------|----------|-----------|-------------|
| NO. | DATE | FILENAME | DESCRIPTION |
| REVISIONS | | | |

SCALE
HORIZONTAL
1" = 40'
VERTICAL
1" = 4'

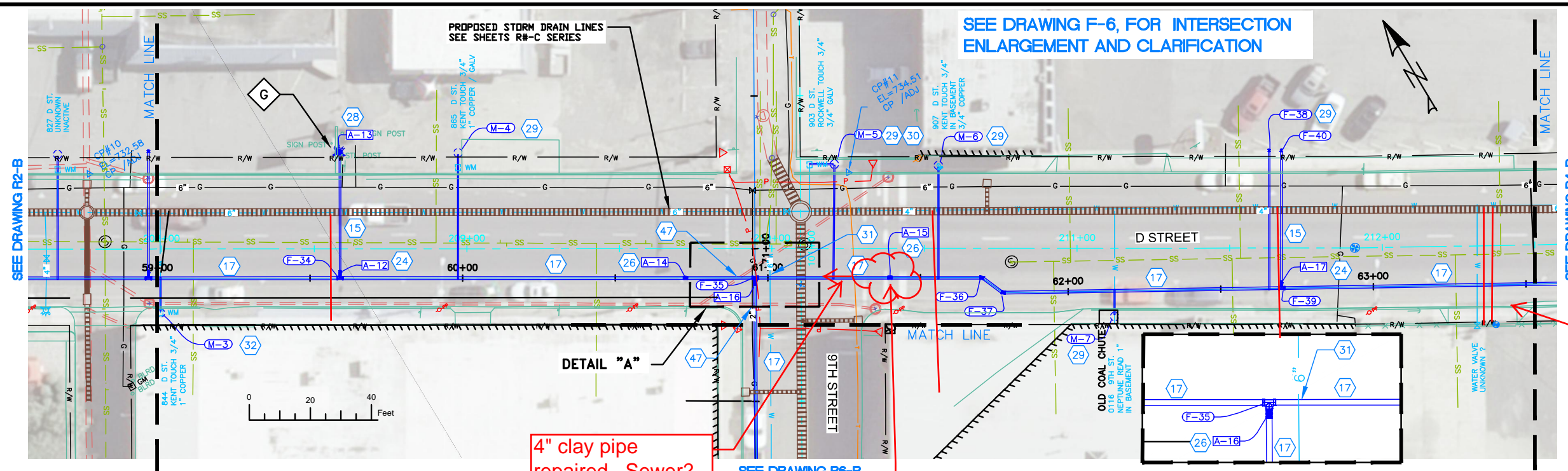


CITY OF LEWISTON
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
215 'D' STREET, LEWISTON, ID 83501
208-746-1316
FAX 208-746-5595



DOWNTOWN INFRASTRUCTURE REPAIR
AND REPLACEMENT PROJECT (IRRP-2015)
WATER LINE PLAN & PROFILE

| | | |
|-----------------------------|-----------------------|-----------------------|
| DESIGNED BY: S. STUBBERS | DATE: 2014 | PROJECT: IRRP-2015 |
| DRAWN BY: B. STEWART | DATE: 2014 | SHEET 19 OF 63 |
| CHECKED BY: S. STUBBERS | DATE: JAN.15, 2015 | DRAWING: R2-B |



SEE DRAWING F-6, FOR INTERSECTION ENLARGEMENT AND CLARIFICATION

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.
3. CURB & GUTTER, SIDEWALK, MANHOLES AND UTILITIES NOT SHOWN TO BE REMOVED OR ABANDONED SHALL BE PRESERVED AND PROTECTED IN PLACE.

SPECIAL NOTES

G Install Hydrant as directed by the engineer.

2-2" Steel Pipes

4" clay pipe repaired...Sewer?

Valve moved west

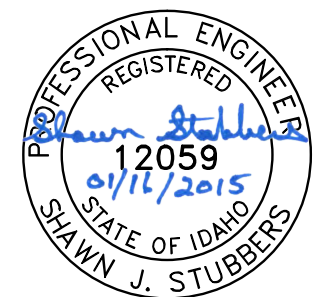
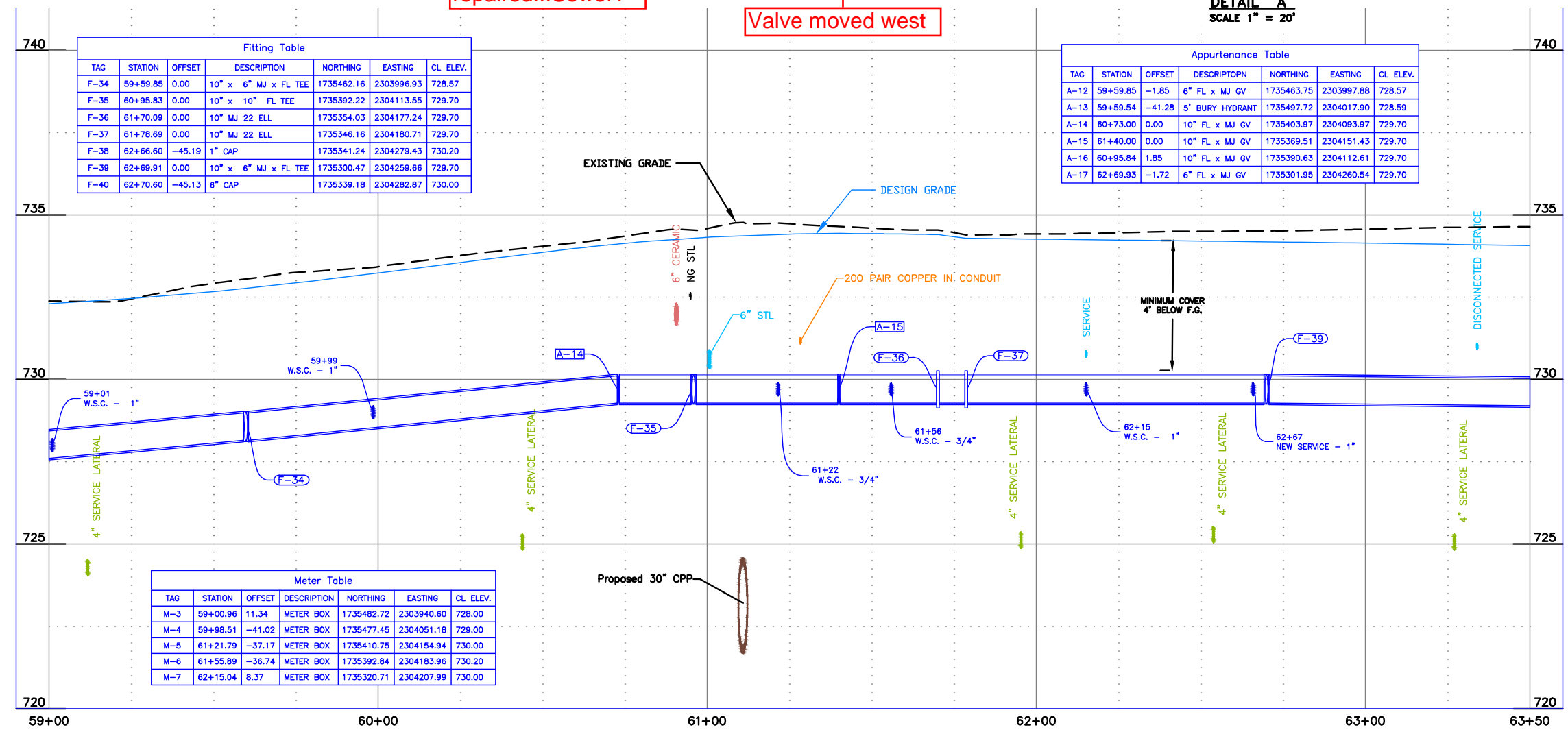
PAY ITEMS

- 15 Water Main Pipe - 6" DI Class 350, Item 401.4.1.A.1A
- 17 Water Main Pipe - 10" DI Class 350, Item 401.4.1.A.1C
- 19 Water Main Fitting - Size - Type (See Fitting Table this sheet), Item SP 402.4.1.B.1
- 24 Valve - Size 6", Item 402.4.1.A.1A
- 26 Valve - Size 10", Item 402.4.1.A.1C
- 28 Hydrant, Item 403.4.1.A.1
- 29 Water Service Connection (See Meter Table this sheet), Size __", Item 404.4.1.A.1A
- 30 Temporary Water Service Connection, Size __", Item 404.4.1.A.1B
- 31 Potable Water Main Crossing, Item SP 404A
- 32 Water Service Connection, No Meter, Item SP 404B
- 47 Sewer Main Crossing, Item SP 507B

| TAG | STATION | OFFSET | DESCRIPTION | NORTHING | EASTING | CL. ELEV. |
|------|----------|--------|----------------------|------------|------------|-----------|
| F-34 | 59+59.85 | 0.00 | 10" x 6" MJ x FL TEE | 1735462.16 | 2303996.93 | 728.57 |
| F-35 | 60+95.83 | 0.00 | 10" x 10" FL TEE | 1735392.22 | 2304113.55 | 729.70 |
| F-36 | 61+70.09 | 0.00 | 10" MJ 22 ELL | 1735354.03 | 2304177.24 | 729.70 |
| F-37 | 61+78.69 | 0.00 | 10" MJ 22 ELL | 1735346.16 | 2304180.71 | 729.70 |
| F-38 | 62+66.60 | -45.19 | 1" CAP | 1735341.24 | 2304279.43 | 730.20 |
| F-39 | 62+69.91 | 0.00 | 10" x 6" MJ x FL TEE | 1735300.47 | 2304259.66 | 729.70 |
| F-40 | 62+70.60 | -45.13 | 6" CAP | 1735339.18 | 2304282.87 | 730.00 |

| TAG | STATION | OFFSET | DESCRIPTION | NORTHING | EASTING | CL. ELEV. |
|------|----------|--------|-----------------|------------|------------|-----------|
| A-12 | 59+59.85 | -1.85 | 6" FL x MJ GV | 1735463.75 | 2303997.88 | 728.57 |
| A-13 | 59+59.54 | -41.28 | 5' BURY HYDRANT | 1735497.72 | 2304017.90 | 728.59 |
| A-14 | 60+73.00 | 0.00 | 10" FL x MJ GV | 1735403.97 | 2304093.97 | 729.70 |
| A-15 | 61+40.00 | 0.00 | 10" FL x MJ GV | 1735369.51 | 2304151.43 | 729.70 |
| A-16 | 60+95.84 | 1.85 | 10" FL x MJ GV | 1735390.63 | 2304112.61 | 729.70 |
| A-17 | 62+69.93 | -1.72 | 6" FL x MJ GV | 1735301.95 | 2304260.54 | 729.70 |

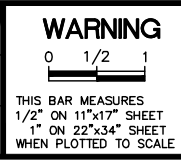
| TAG | STATION | OFFSET | DESCRIPTION | NORTHING | EASTING | CL. ELEV. |
|-----|----------|--------|-------------|------------|------------|-----------|
| M-3 | 59+00.96 | 11.34 | METER BOX | 1735482.72 | 2303940.60 | 728.00 |
| M-4 | 59+98.51 | -41.02 | METER BOX | 1735477.45 | 2304051.18 | 729.00 |
| M-5 | 61+21.79 | -37.17 | METER BOX | 1735410.75 | 2304154.94 | 730.00 |
| M-6 | 61+55.89 | -36.74 | METER BOX | 1735392.84 | 2304183.96 | 730.20 |
| M-7 | 62+15.04 | 8.37 | METER BOX | 1735320.71 | 2304207.99 | 730.00 |



BID DOCUMENTS

| NO. | DATE | FILENAME | DESCRIPTION | BY |
|-----|----------|-----------|-------------|----|
| 1 | 11/16/15 | As-builts | GMF | |

SCALE
HORIZONTAL
1" = 40'
VERTICAL
1" = 4'

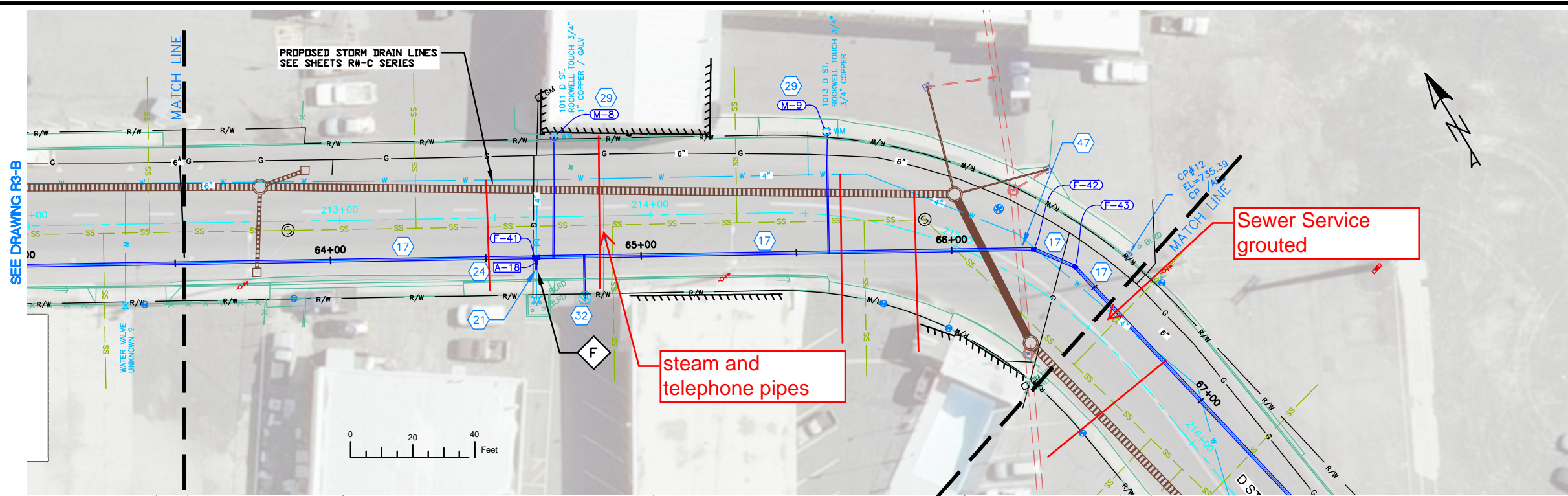


CITY OF LEWISTON
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
215 'D' STREET, LEWISTON, ID 83501
208-746-1316
FAX 208-746-5595



DOWNTOWN INFRASTRUCTURE REPAIR
AND REPLACEMENT PROJECT (IRRP-2015)
WATER LINE PLAN & PROFILE

| DESIGNED BY: | DATE: | PROJECT: |
|--------------|--------------|-----------|
| S. STUBBERS | 2014 | IRRP-2015 |
| DRAWN BY: | DATE: | SHEET |
| B. STEWART | 2014 | 25 OF 63 |
| CHECKED BY: | DATE: | DRAWING: |
| S. STUBBERS | JAN.15, 2015 | R3-B |



NOTES

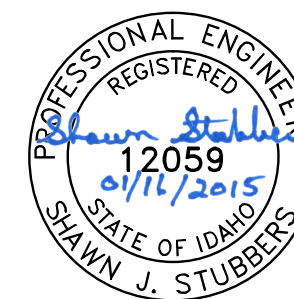
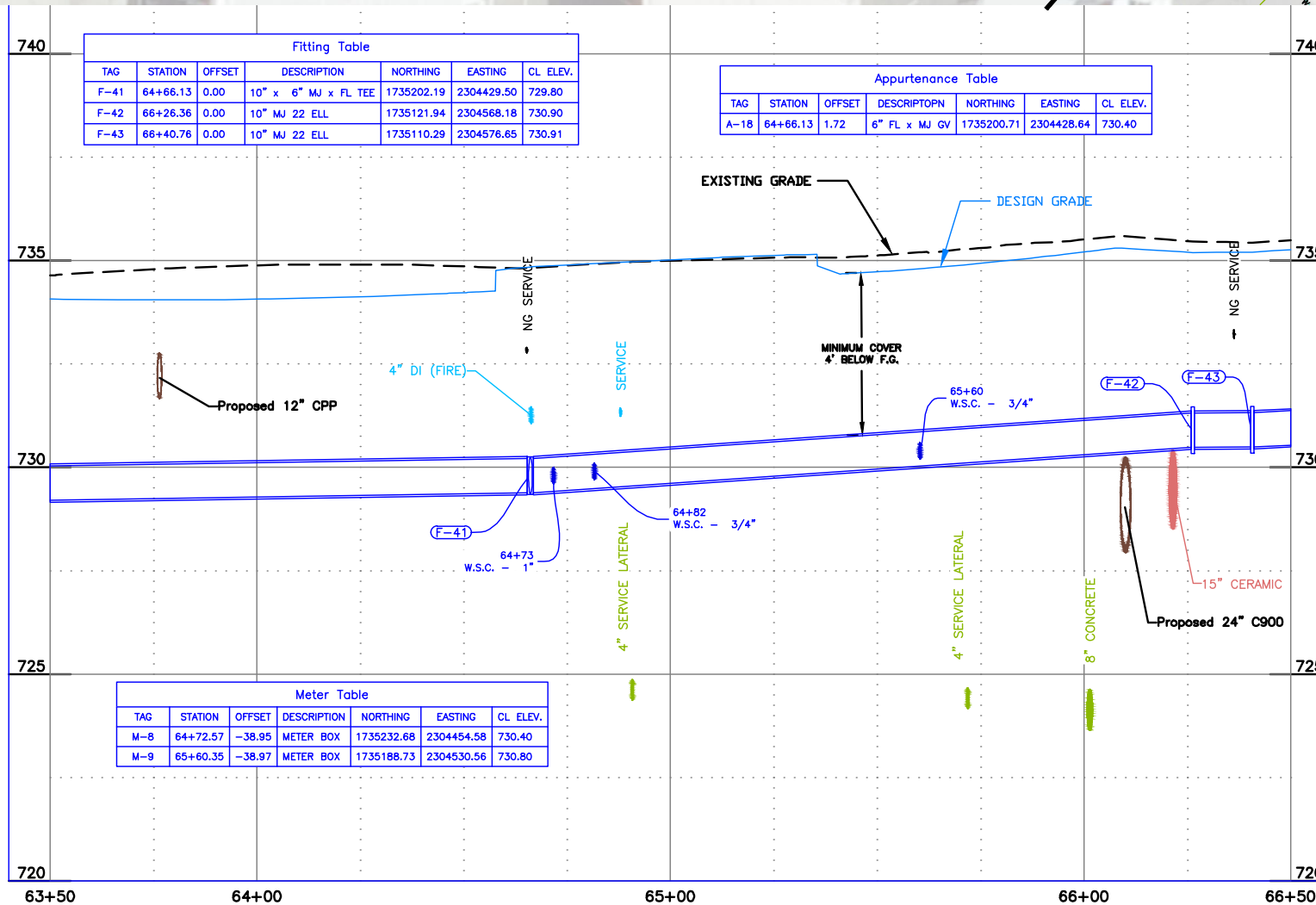
1. REFERENCE APPROPRIATE SHEETS R#-A THRU R#-F FOR WORK TYPE AND BID ITEMS.
2. ALL QUANTITIES ARE PLAN SHEET QUANTITIES BETWEEN MATCHLINES.
3. CURB & GUTTER, SIDEWALK, MANHOLES AND UTILITIES NOT SHOWN TO BE REMOVED OR ABANDONED SHALL BE PRESERVED AND PROTECTED IN PLACE.

SPECIAL NOTES

- (F) Connect to existing main as directed by the engineer.

PAY ITEMS

- (15) Water Main Pipe - 6" DI Class 350, Item 401.4.1.A.1A
- (17) Water Main Pipe - 10" DI Class 350, Item 401.4.1.A.1C
- (19) Water Main Fitting - Size - Type (See Fitting Table this sheet), Item SP 402.4.1.B.1
- (21) Connect to Existing Main - 6", Item 401.4.1.C.1A
- (24) Valve - Size 6", Item 402.4.1.A.1A
- (29) Water Service Connection (See Meter Table this sheet), Size ____, Item 404.4.1.A.1A
- (31) Potable Water Main Crossing, Item SP 404A
- (32) Water Service Connection, No Meter, Item SP 404B
- (47) Sewer Main Crossing, Item SP 507B



BID DOCUMENTS

| 1 | 11/16/15 | As-builts | GMF |
|-----------|----------|-----------|-------------|
| NO. | DATE | FILENAME | DESCRIPTION |
| REVISIONS | | | |

SCALE
HORIZONTAL
1" = 40'
VERTICAL
1" = 4'

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)**

WATER LINE PLAN & PROFILE

| | | |
|-----------------------------|-----------------------|-----------------------|
| DESIGNED BY: S. STUBBERS | DATE: 2014 | PROJECT: IRRP-2015 |
| DRAWN BY: B. STEWART | DATE: 2014 | SHEET 31 OF 63 |
| CHECKED BY: S. STUBBERS | DATE: JAN.15, 2015 | DRAWING: R4-B |

NOTES

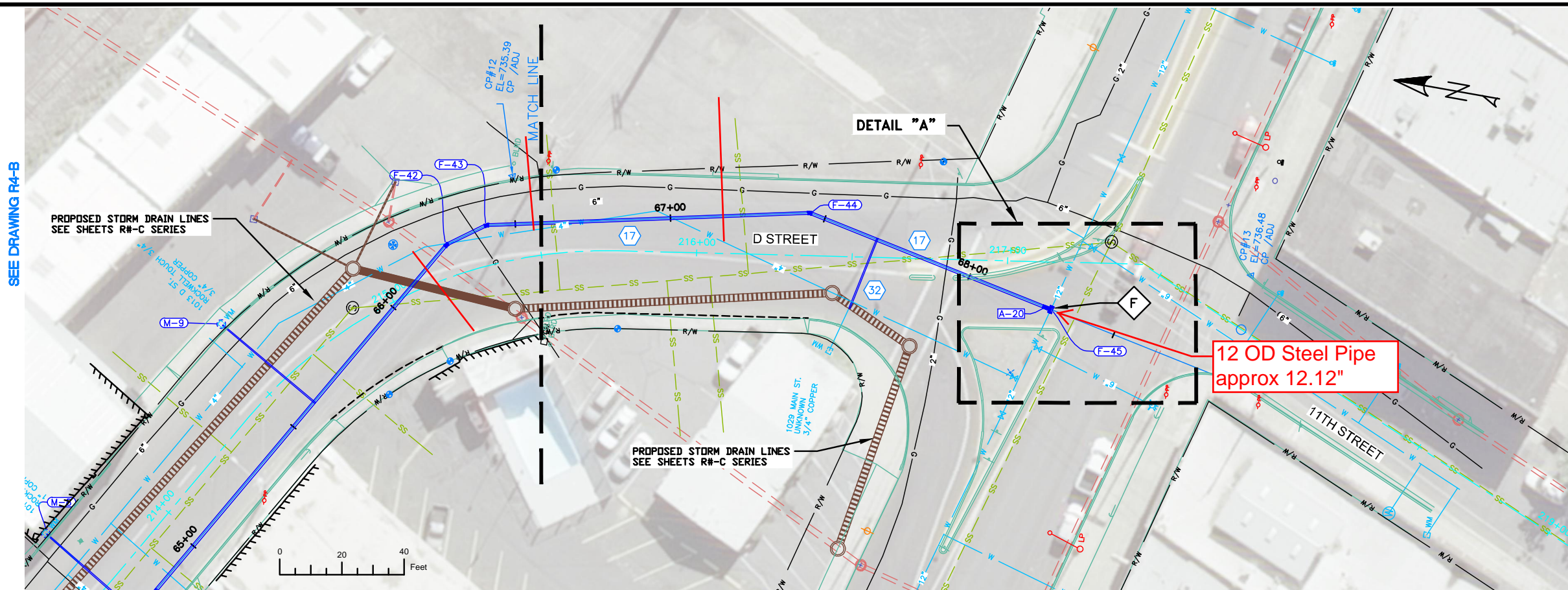
1. REFERENCE APPROPRIATE SHEETS R#-A THRU R#-F FOR WORK TYPE AND BID ITEMS.
2. ALL QUANTITIES ARE PLAN SHEET QUANTITIES BETWEEN MATCHLINES.
3. CURB & GUTTER, SIDEWALK, MANHOLES AND UTILITIES NOT SHOWN TO BE REMOVED OR ABANDONED SHALL BE PRESERVED AND PROTECTED IN PLACE.

SPECIAL NOTES

- F** Connect to existing main as directed by the engineer. Contractor to supply and install Tapping Saddle. City Staff to perform actual tapping of pipe.

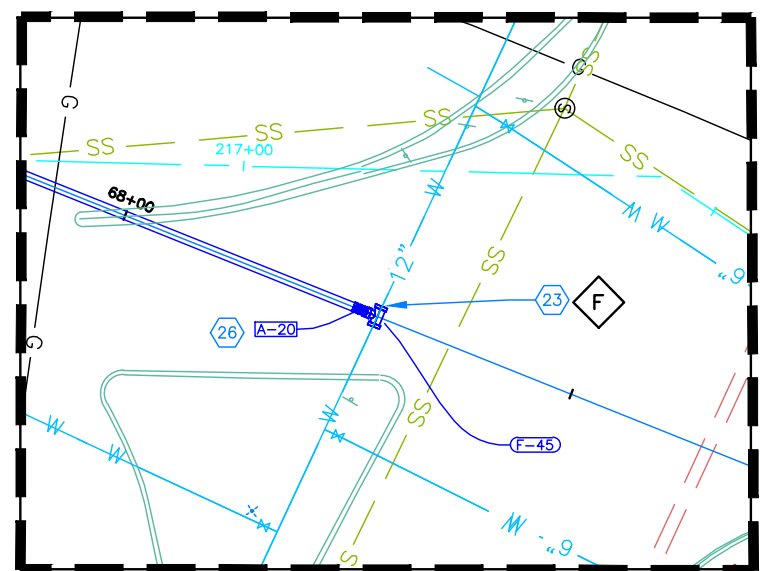
PAY ITEMS

- 17 Water Main Pipe - 10" DI Class 350, Item 401.4.1.A.1C
- 18 Water Main Pipe - 12" DI Class 350, Item 401.4.1.A.1D
- 19 Water Main Fitting - Size - Type (See Fitting Table this sheet), Item SP 402.4.1.B.1
- 23 Connect to Existing Main - 12", Item 401.4.1.C.1D
- 26 Valve - Size 10", Item 402.4.1.A.1C
- 32 Water Service Connection, No Meter, Item SP 404B

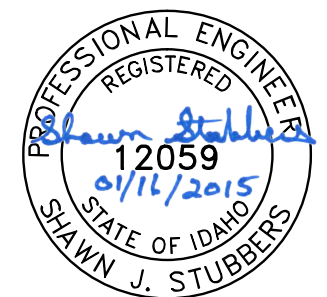
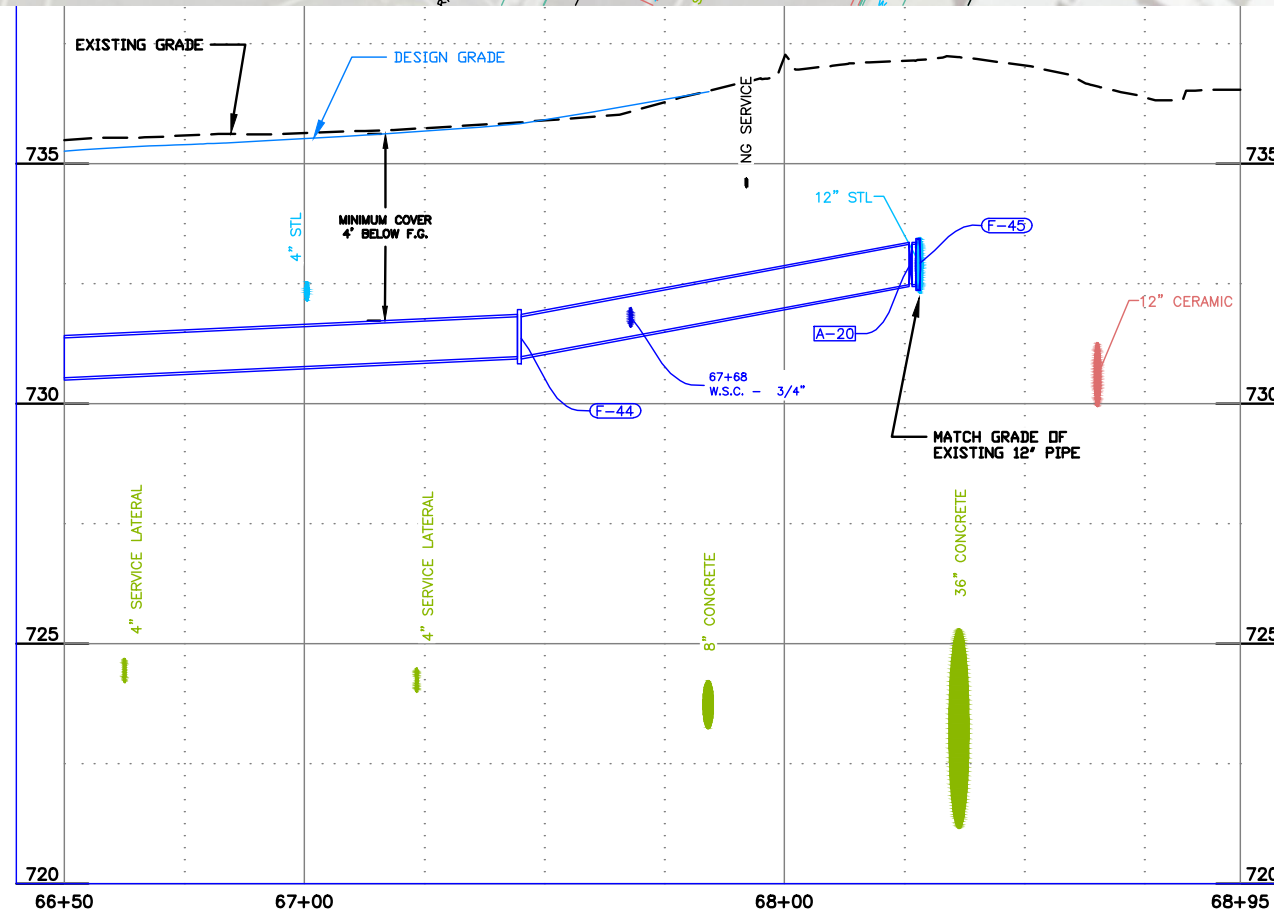


| TAG | STATION | OFFSET | DESCRIPTION | NORTHING | EASTING | CL. ELEV. |
|------|----------|--------|--------------------------|------------|------------|-----------|
| F-44 | 67+44.80 | 0.00 | 10" MJ 22 ELL | 1735008.59 | 2304598.58 | 731.40 |
| F-45 | 68+28.30 | 0.00 | 12" x 10" TAPPING SADDLE | 1734926.87 | 2304581.47 | 732.90 |

| TAG | STATION | OFFSET | DESCRIPTION | NORTHING | EASTING | CL. ELEV. |
|------|----------|--------|----------------|------------|------------|-----------|
| A-20 | 68+26.30 | 0.00 | 10" FL x MJ GV | 1734928.83 | 2304581.88 | 732.90 |



DETAIL "A"
SCALE 1" = 20'



BID DOCUMENTS

| 1 | 11/16/15 | As-builts | GMF |
|-----------|----------|-----------|-------------|
| NO. | DATE | FILENAME | DESCRIPTION |
| REVISIONS | | | |

SCALE
HORIZONTAL
1" = 40'
VERTICAL
1" = 4'

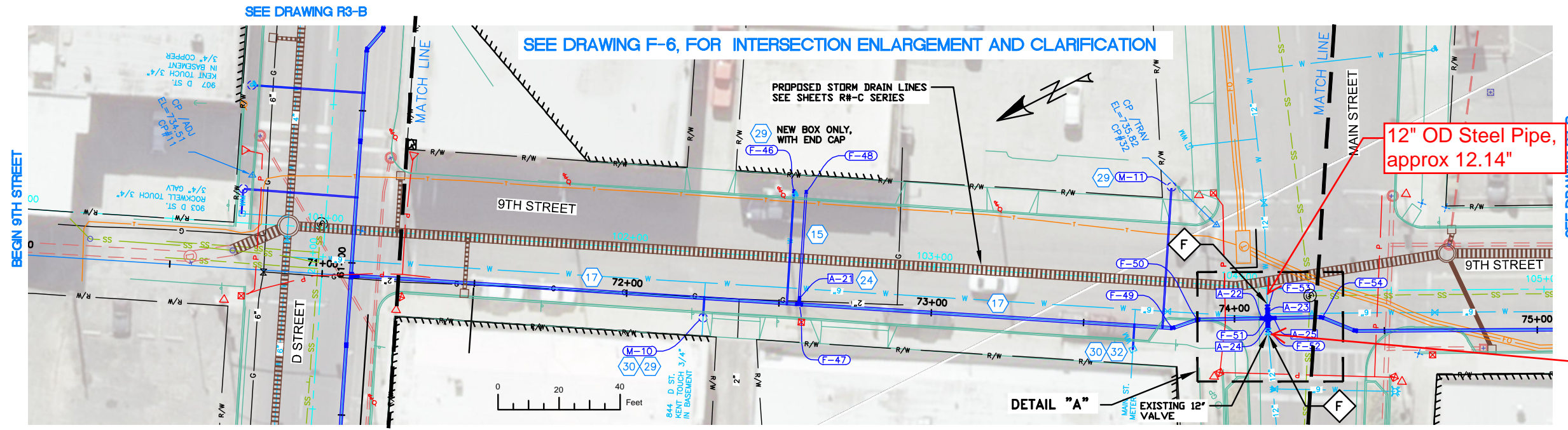
WARNING
0 1/2 1
THIS BAR MEASURES
1/2" ON 11"x17" SHEET
1" ON 22"x34" SHEET
WHEN PLOTTED TO SCALE

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)**
WATER LINE PLAN & PROFILE

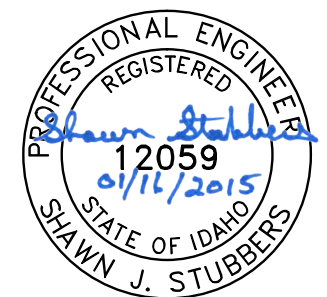
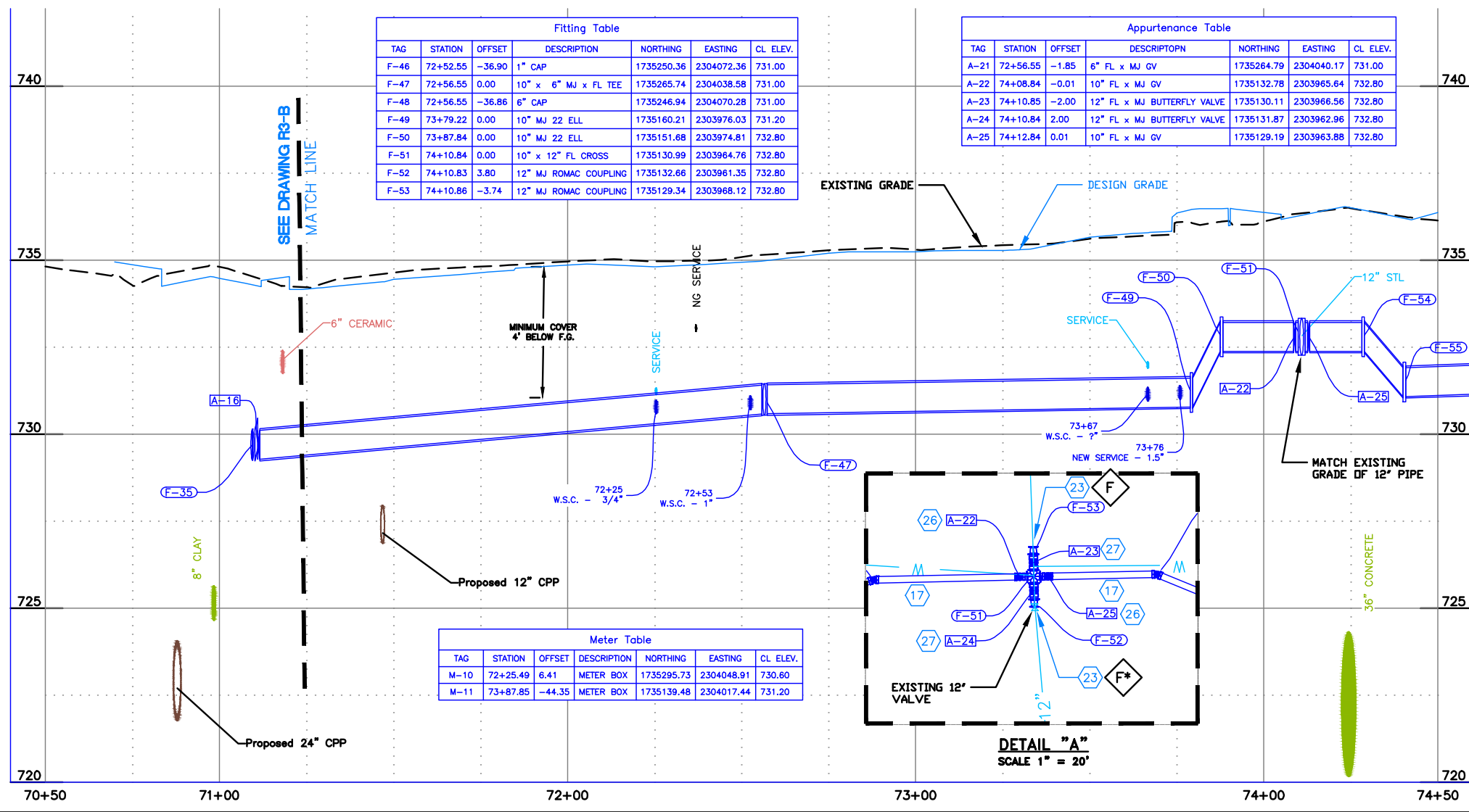
| | | |
|-----------------------------|-----------------------|-----------------------|
| DESIGNED BY: S. STUBBERS | DATE: 2014 | PROJECT: IRRP-2015 |
| DRAWN BY: B. STEWART | DATE: 2014 | SHEET 36 OF 63 |
| CHECKED BY: S. STUBBERS | DATE: JAN.15, 2015 | DRAWING: R5-B |



- 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.
 3. CURB & GUTTER, SIDEWALK, MANHOLES AND UTILITIES NOT SHOWN TO BE REMOVED OR ABANDONED SHALL BE PRESERVED AND PROTECTED IN PLACE.

- SPECIAL NOTES**
- F Connect to existing main as directed by the engineer.
 - F* Connect to existing main as directed by the engineer. Hold the new cross, valves and piping as close as practical to the existing 12" valve.

- PAY ITEMS**
- 15 Water Main Pipe - 6" DI Class 350, Item 401.4.1.A.1A
 - 17 Water Main Pipe - 10" DI Class 350, Item 401.4.1.A.1C
 - 18 Water Main Pipe - 12" DI Class 350, Item 401.4.1.A.1D
 - 19 Water Main Fitting - Size - Type (See Fitting Table this sheet), Item SP 402.4.1.B.1
 - 23 Connect to Existing Main - 12", Item 401.4.1.C.1D
 - 24 Valve - Size 6", Item 402.4.1.A.1A
 - 26 Valve - Size 10", Item 402.4.1.A.1C
 - 27 Valve - Size 12", Item 402.4.1.A.1D
 - 29 Water Service Connection (See Meter Table this sheet), Size ____, Item 404.4.1.A.1A
 - 30 Temporary Water Service Connection, Size ____, Item 404.4.1.A.1B
 - 32 Water Service Connection, No Meter, Item SP 404B



| 1 | 11/16/15 | As-builts | GMF |
|-----------|----------|-----------|-------------|
| NO. | DATE | FILENAME | DESCRIPTION |
| REVISIONS | | | |

SCALE
HORIZONTAL
1" = 40'
VERTICAL
1" = 4'

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)**

WATER LINE PLAN & PROFILE

| | | |
|-----------------------------|-----------------------|-----------------------|
| DESIGNED BY: S. STUBBERS | DATE: 2014 | PROJECT: IRRP-2015 |
| DRAWN BY: B. STEWART | DATE: 2014 | SHEET: 40 OF 63 |
| CHECKED BY: S. STUBBERS | DATE: JAN.15, 2015 | DRAWING: R6-B |

BID DOCUMENTS

Both lines abandoned

Removed and replaced

2" Copper

Encased in Concrete, significant amount approx 2-3 yds

6" GV not installed

Wtr Line routed over 48" CMP Conduit. 4-45s and service saddle for air bleed

SEE DRAWING F-6, FOR INTERSECTION ENLARGEMENT AND CLARIFICATION

PROPOSED STORM DRAIN LINES SEE SHEETS R#-C SERIES

DETAIL "A"

NOTES

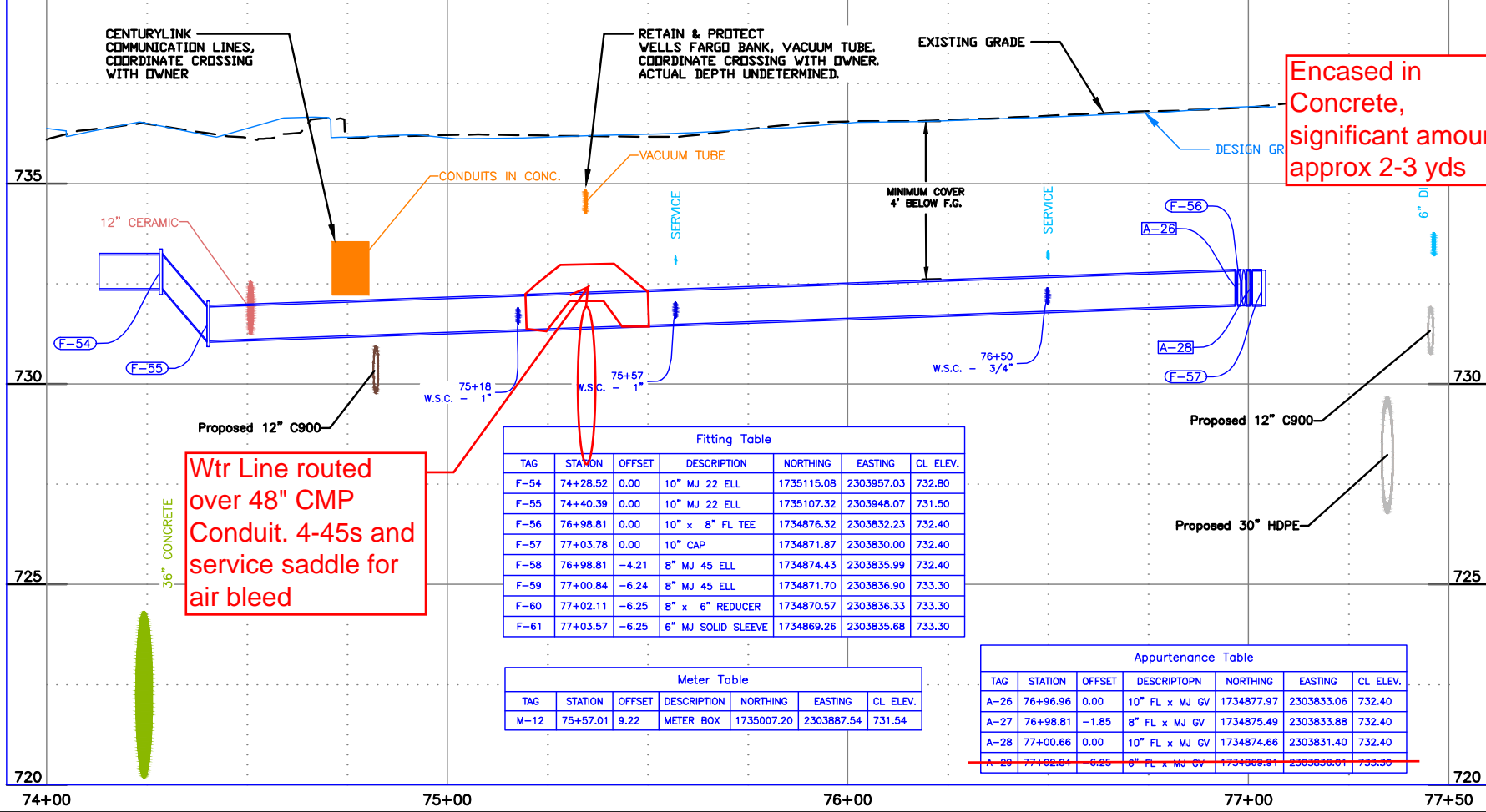
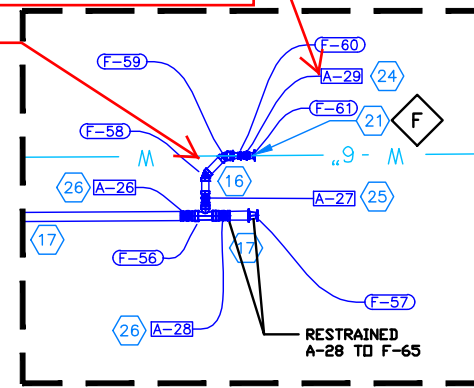
1. REFERENCE APPROPRIATE SHEETS R#-A THRU R#-F FOR WORK TYPE AND BID ITEMS.
2. ALL QUANTITIES ARE PLAN SHEET QUANTITIES BETWEEN MATCHLINES.
3. CURB & GUTTER, SIDEWALK, MANHOLES AND UTILITIES NOT SHOWN TO BE REMOVED OR ABANDONED SHALL BE PRESERVED AND PROTECTED IN PLACE.

SPECIAL NOTES

F Connect to existing main as directed by the engineer.

PAY ITEMS

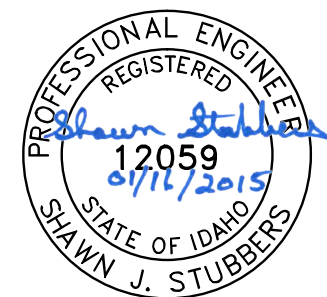
- 16 Water Main Pipe - 8" DI Class 350, Item 401.4.1.A.1B
- 17 Water Main Pipe - 10" DI Class 350, Item 401.4.1.A.1C
- 19 Water Main Fitting - Size - Type (See Fitting Table this sheet), Item SP 402.4.1.B.1
- 21 Connect to Existing Main - 6", Item 401.4.1.C.1A
- 24 Valve - Size 6", Item 402.4.1.A.1A
- 25 Valve - Size 8", Item 402.4.1.A.1B
- 26 Valve - Size 10", Item 402.4.1.A.1C
- 29 Water Service Connection (See Meter Table this sheet), Size ____, Item 404.4.1.A.1A
- 30 Temporary Water Service Connection, Size ____, Item 404.4.1.A.1B
- 32 Water Service Connection, No Meter, Item SP 404B
- 47 Sewer Main Crossing, Item SP 507B



| TAG | STATION | OFFSET | DESCRIPTION | NORTHING | EASTING | CL. ELEV. |
|------|----------|--------|--------------------|------------|------------|-----------|
| F-54 | 74+28.52 | 0.00 | 10" MJ 22 ELL | 1735115.08 | 2303957.03 | 732.80 |
| F-55 | 74+40.39 | 0.00 | 10" MJ 22 ELL | 1735107.32 | 2303948.07 | 731.50 |
| F-56 | 76+98.81 | 0.00 | 10" x 8" FL TEE | 1734876.32 | 2303832.23 | 732.40 |
| F-57 | 77+03.78 | 0.00 | 10" CAP | 1734871.87 | 2303830.00 | 732.40 |
| F-58 | 76+98.81 | -4.21 | 8" MJ 45 ELL | 1734874.43 | 2303835.99 | 732.40 |
| F-59 | 77+00.84 | -6.24 | 8" MJ 45 ELL | 1734871.70 | 2303836.90 | 733.30 |
| F-60 | 77+02.11 | -6.25 | 8" x 6" REDUCER | 1734870.57 | 2303836.33 | 733.30 |
| F-61 | 77+03.57 | -6.25 | 6" MJ SOLID SLEEVE | 1734869.26 | 2303835.68 | 733.30 |

| TAG | STATION | OFFSET | DESCRIPTION | NORTHING | EASTING | CL. ELEV. |
|------|----------|--------|-------------|------------|------------|-----------|
| M-12 | 75+57.01 | 9.22 | METER BOX | 1735007.20 | 2303887.54 | 731.54 |

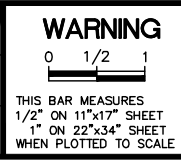
| TAG | STATION | OFFSET | DESCRIPTION | NORTHING | EASTING | CL. ELEV. |
|-----------------|---------------------|-----------------|--------------------------|-----------------------|-----------------------|-------------------|
| A-26 | 76+96.96 | 0.00 | 10" FL x MJ GV | 1734877.97 | 2303833.06 | 732.40 |
| A-27 | 76+98.81 | -1.85 | 8" FL x MJ GV | 1734875.49 | 2303833.88 | 732.40 |
| A-28 | 77+00.66 | 0.00 | 10" FL x MJ GV | 1734874.66 | 2303831.40 | 732.40 |
| A-29 | 77+02.04 | 0.25 | 6" FL x MJ GV | 1734869.93 | 2303836.61 | 733.30 |



BID DOCUMENTS

| 1 | 11/16/15 | As-builts | GMF |
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SCALE
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DOWNTOWN INFRASTRUCTURE REPAIR
AND REPLACEMENT PROJECT (IRRP-2015)
WATER LINE PLAN & PROFILE

| | | |
|-----------------------------|-----------------------|-----------------------|
| DESIGNED BY: S. STUBBERS | DATE: 2014 | PROJECT: IRRP-2015 |
| DRAWN BY: B. STEWART | DATE: 2014 | SHEET 45 OF 63 |
| CHECKED BY: S. STUBBERS | DATE: JAN.15, 2015 | DRAWING: R7-B |