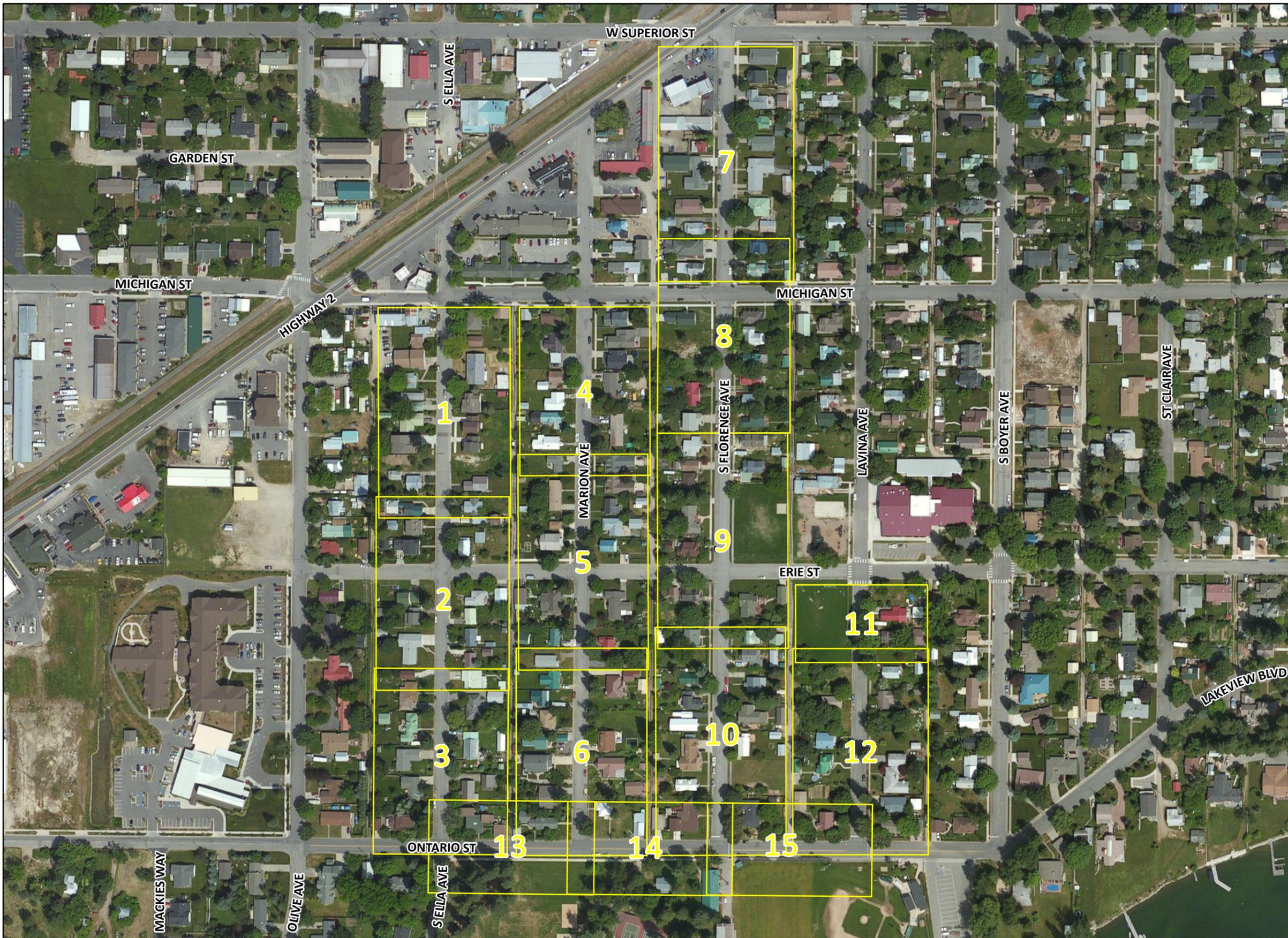


PART 8

DRAWINGS



SANDPOINT SANITARY SEWER LATERAL PILOT PROJECT

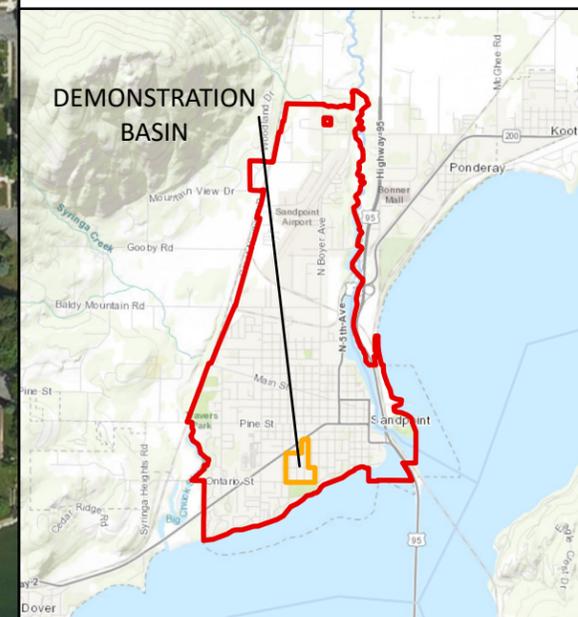


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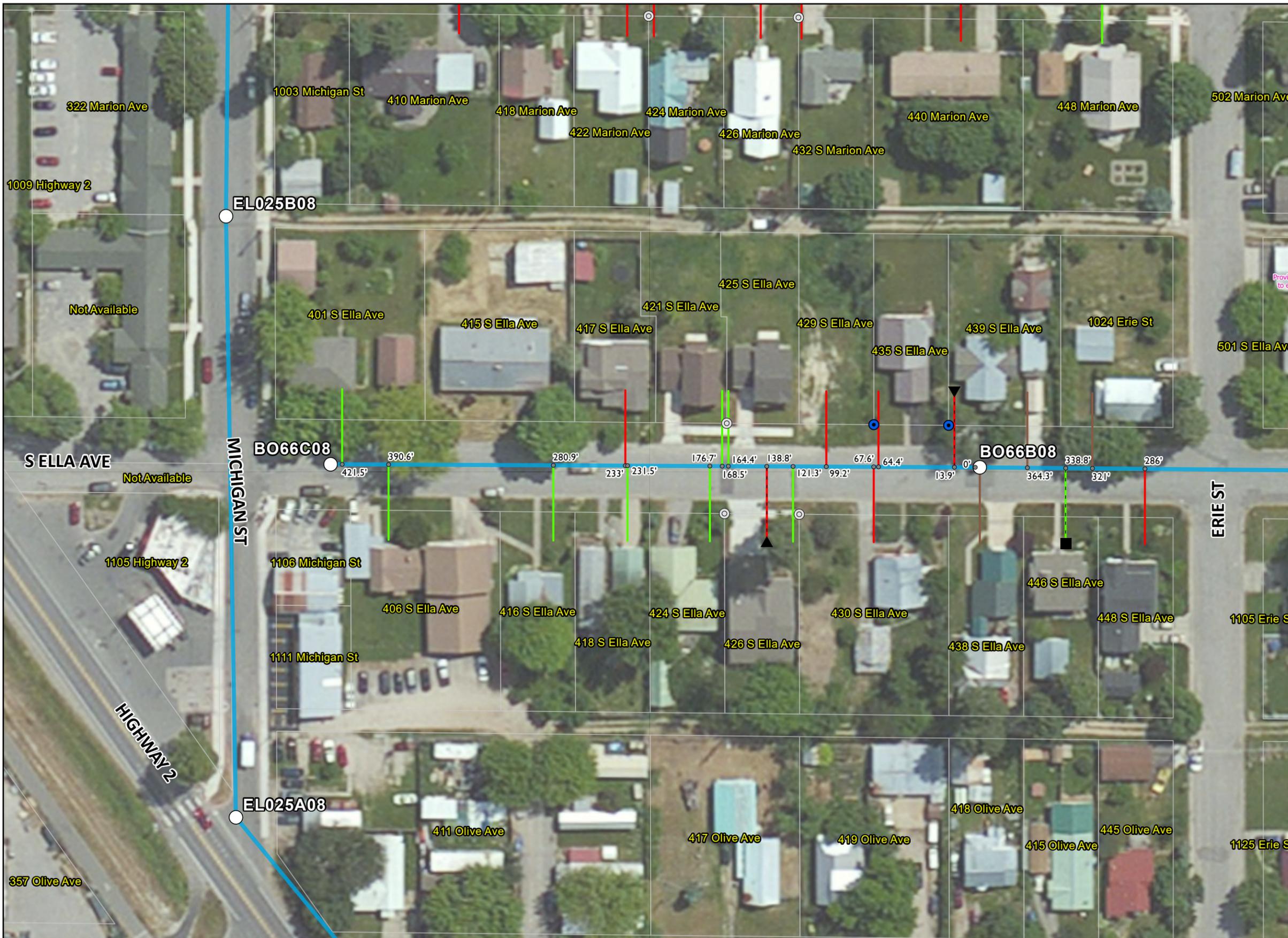
MAPBOOK INDEX

Last Modified: 14-Sep-20



OTHER J-U-B COMPANIES

SANDPOINT SANITARY SEWER LATERAL PILOT PROJECT



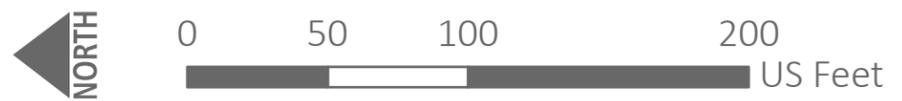
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|---|---|
| Lateral Materials | Other Items |
| — PVC | --- PARTY LINE |
| — CAST IRON | ▶ - CAP AND ABANDON LATERAL |
| — CLAY | ■ - REPLACE MAINLINE CONNECTION ONLY |
| — POLYETHYLENE | ○ City of Sandpoint Manhole |
| — UNKNOWN | — City of Sandpoint Sewer Line |
| — TO BE DETERMINED | Property Pins |
| | ⊙ Potential for historical property pin |
| Distance from MH (ft) | ● Recent record of property pin |
| ● Distance from downstream MH | |
| ● Distance from upstream MH | |

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Last Modified: 14-Sep-20

P 1



OTHER J-U-B COMPANIES

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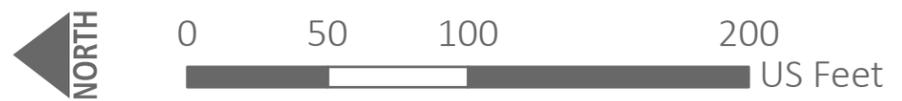
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|--------------------------|---|
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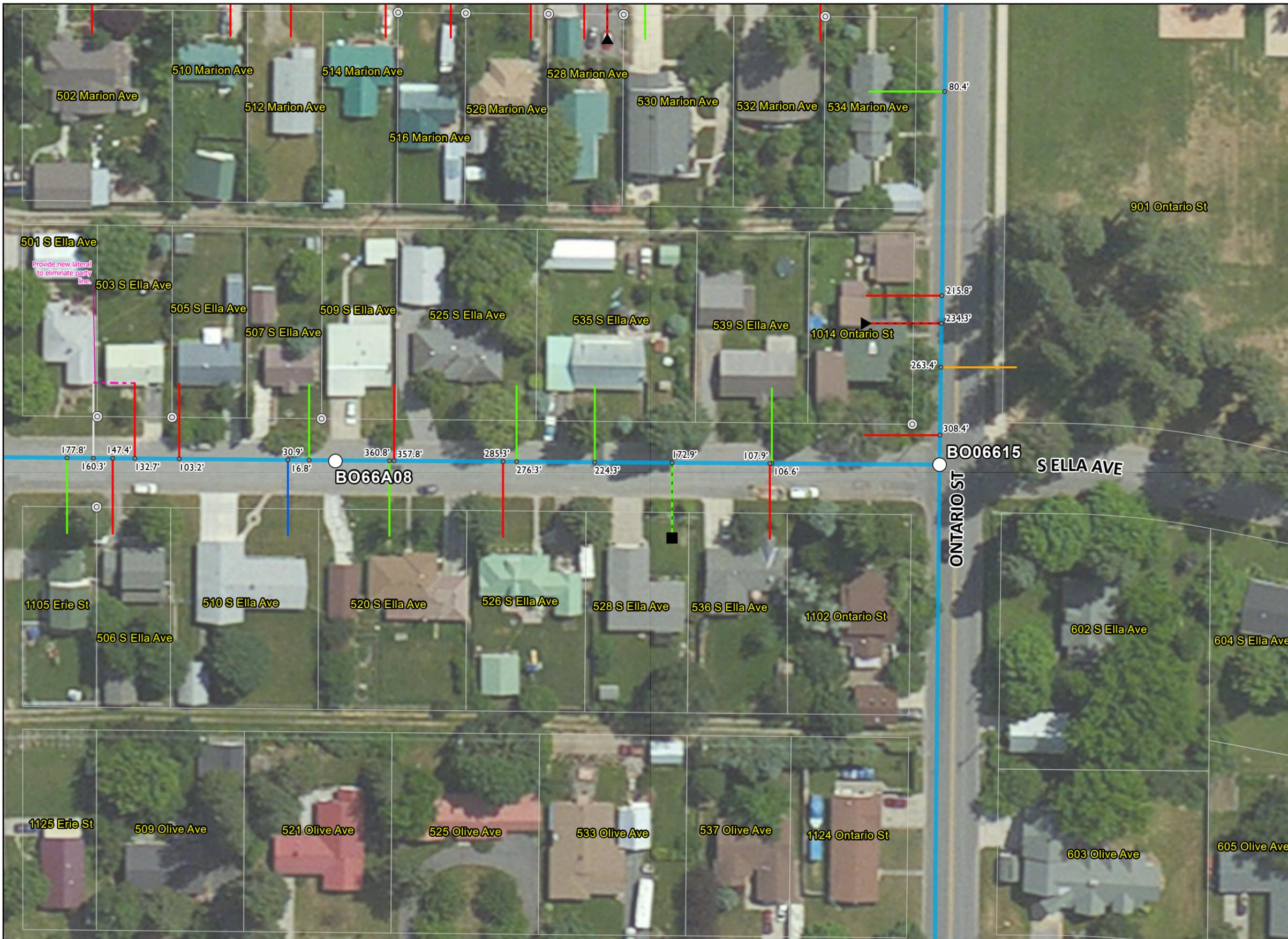
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P 2



OTHER J-U-B COMPANIES

SANDPOINT SANITARY SEWER LATERAL PILOT PROJECT



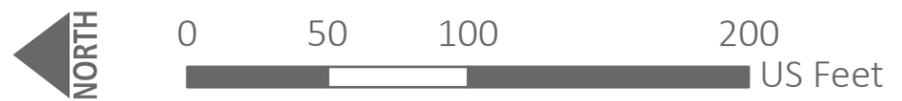
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| Lateral Materials | Other Items |
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| — CAST IRON | ▶ - CAP AND ABANDON LATERAL |
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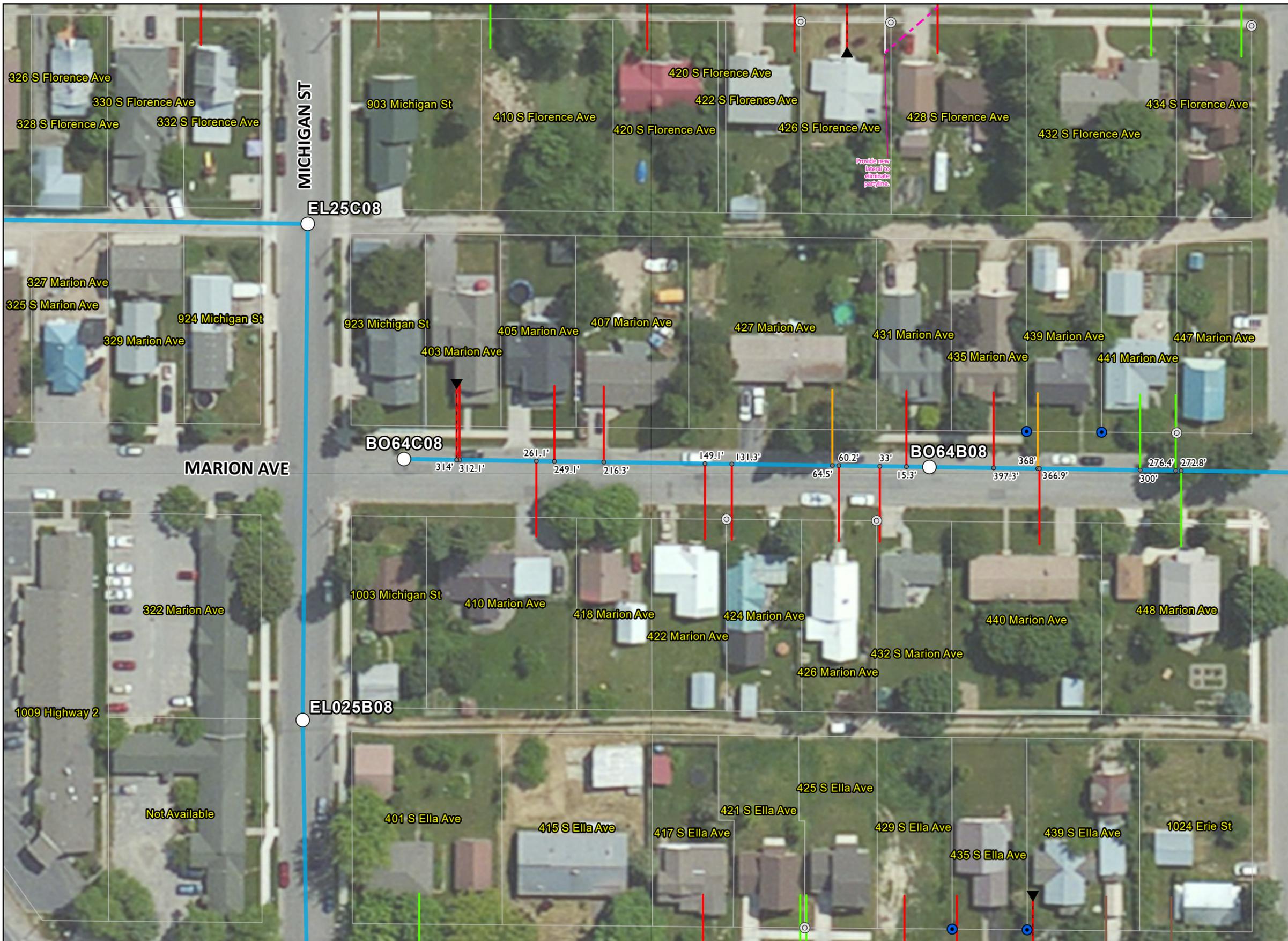
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P 3



OTHER J-U-B COMPANIES

SANDPOINT SANITARY SEWER LATERAL PILOT PROJECT



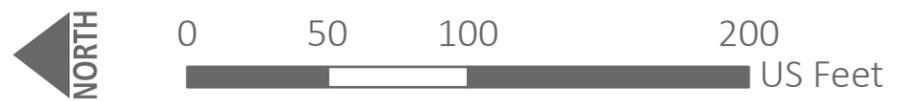
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| — CAST IRON | ▶ - CAP AND ABANDON LATERAL |
| — CLAY | ■ - REPLACE MAINLINE CONNECTION ONLY |
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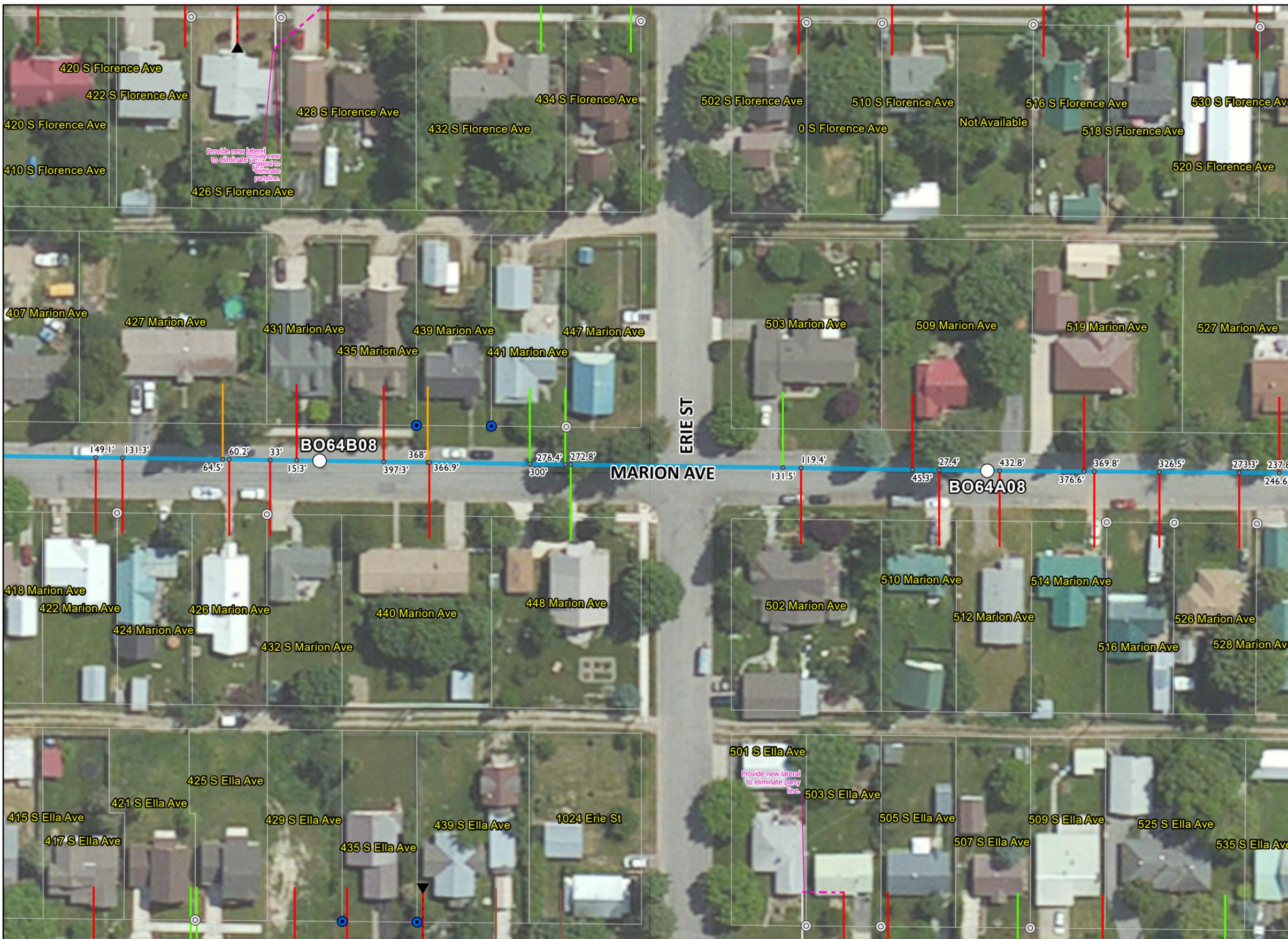
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OTHER J-U-B COMPANIES

SANDPOINT SANITARY SEWER LATERAL PILOT PROJECT



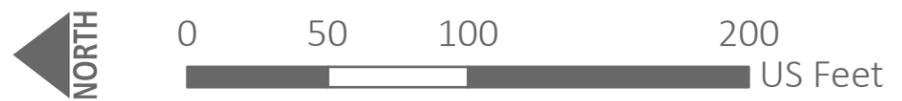
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|--|---|
| — PVC | - - - PARTY LINE |
| — CAST IRON | ▶ - CAP AND ABANDON LATERAL |
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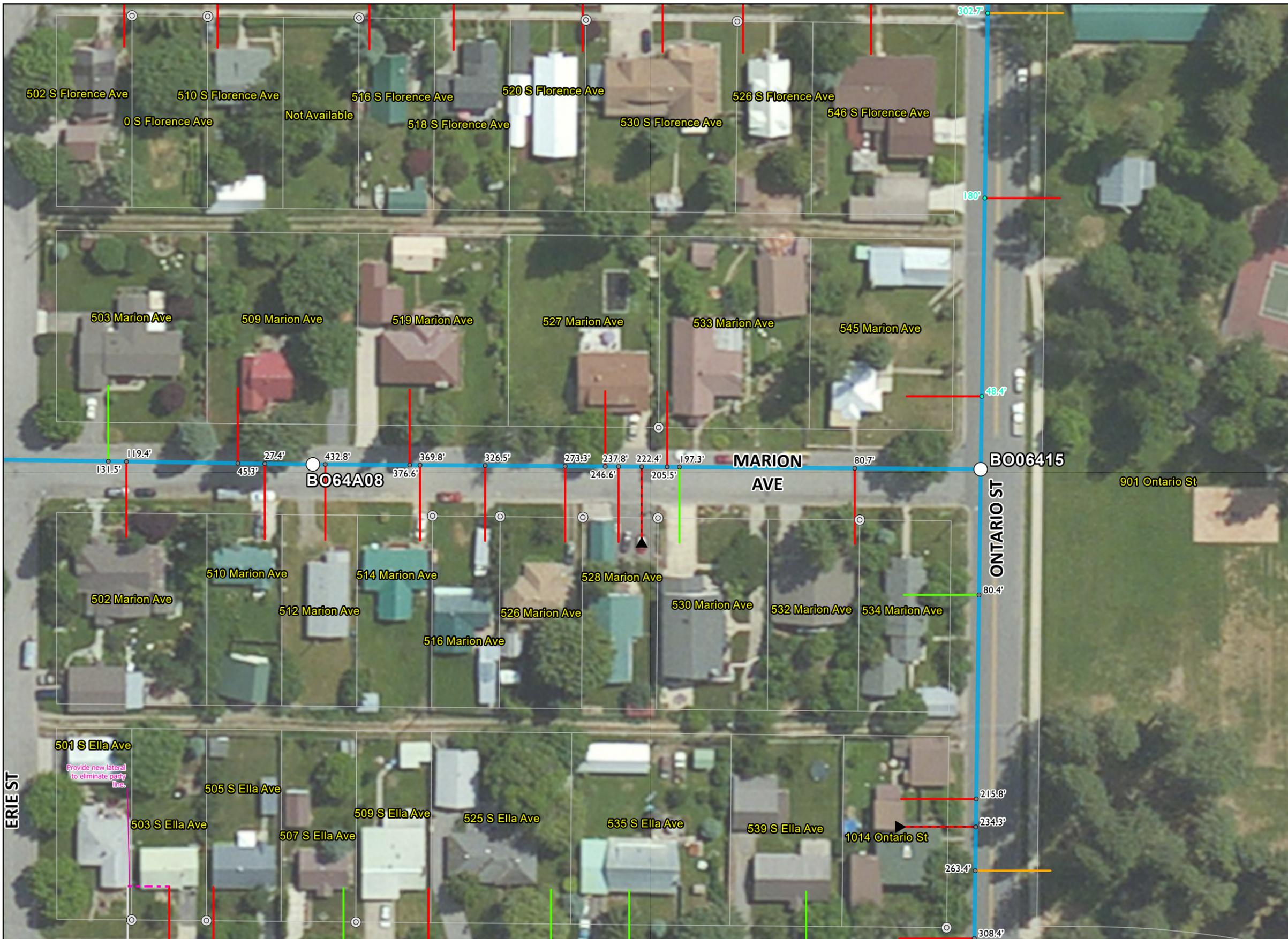
P 5

Last Modified: 14-Sep-20



OTHER J-U-B COMPANIES

SANDPOINT SANITARY SEWER LATERAL PILOT PROJECT



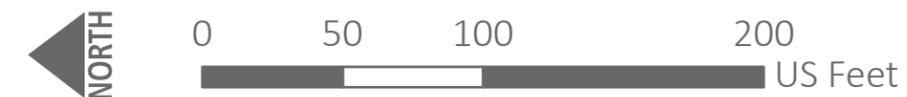
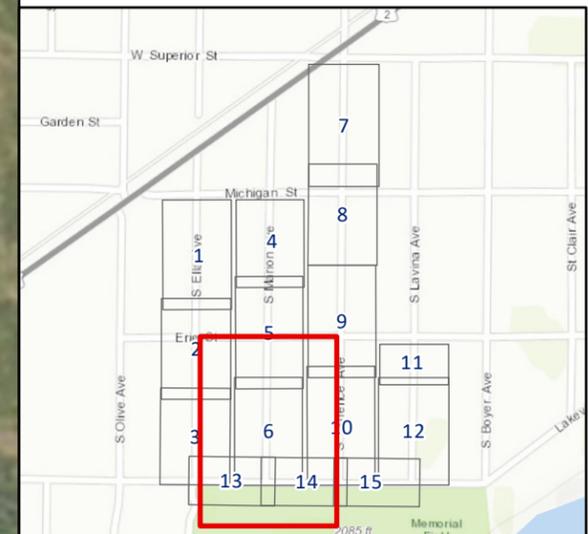
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|--|---|
| Lateral Materials | Other Items |
| — PVC | - - - PARTY LINE |
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Last Modified: 14-Sep-20

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OTHER J-U-B COMPANIES

SANDPOINT SANITARY SEWER LATERAL PILOT PROJECT



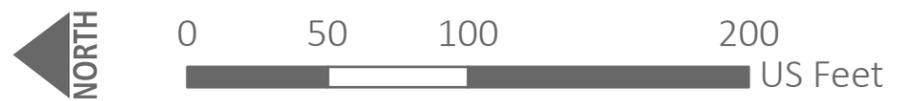
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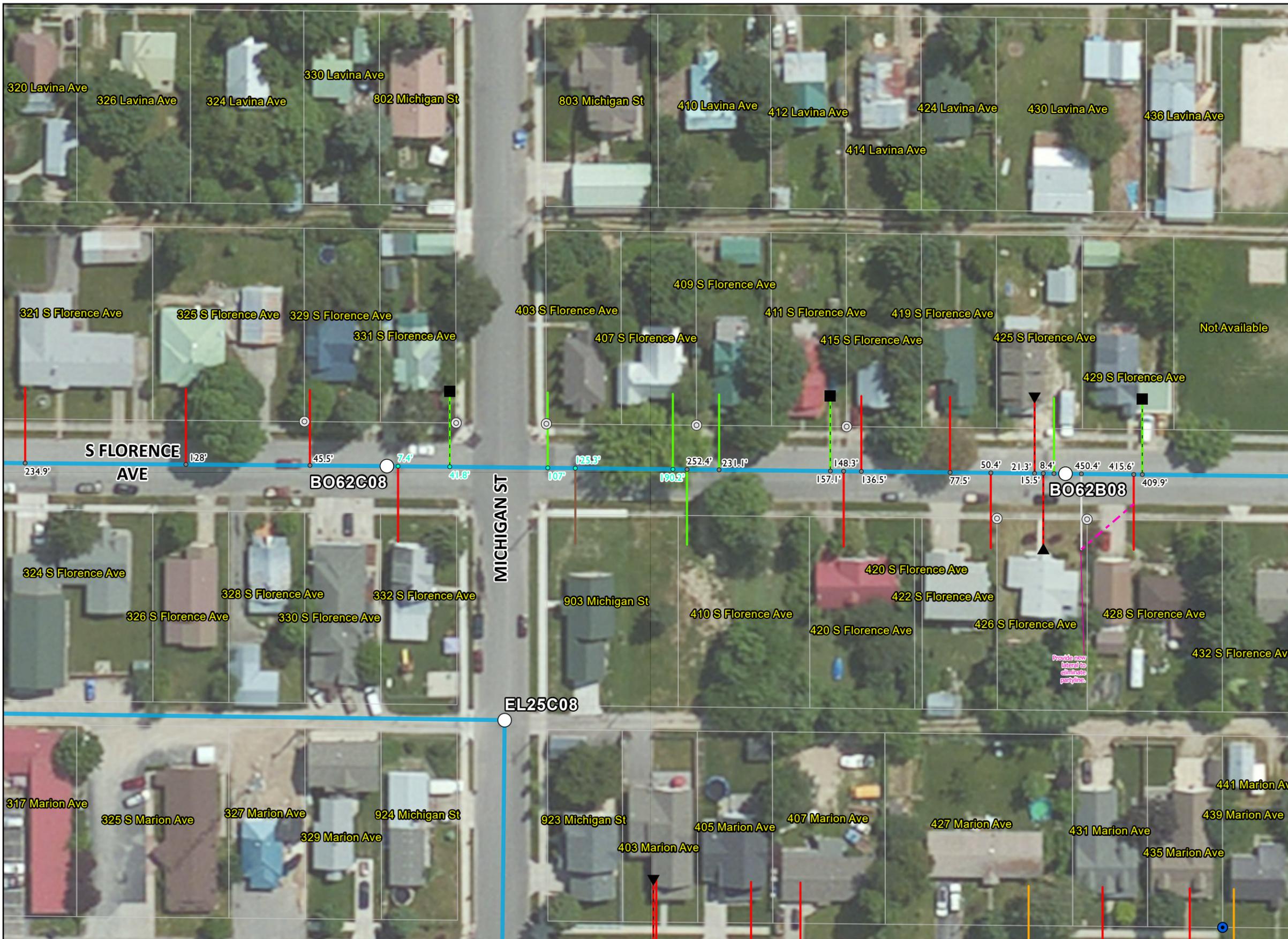
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P 7



OTHER J-U-B COMPANIES

SANDPOINT SANITARY SEWER LATERAL PILOT PROJECT



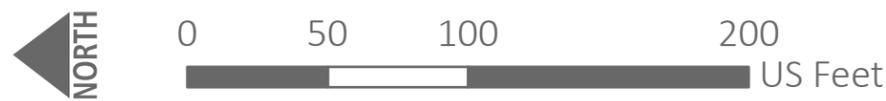
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|---|---|
| Lateral Materials | Other Items |
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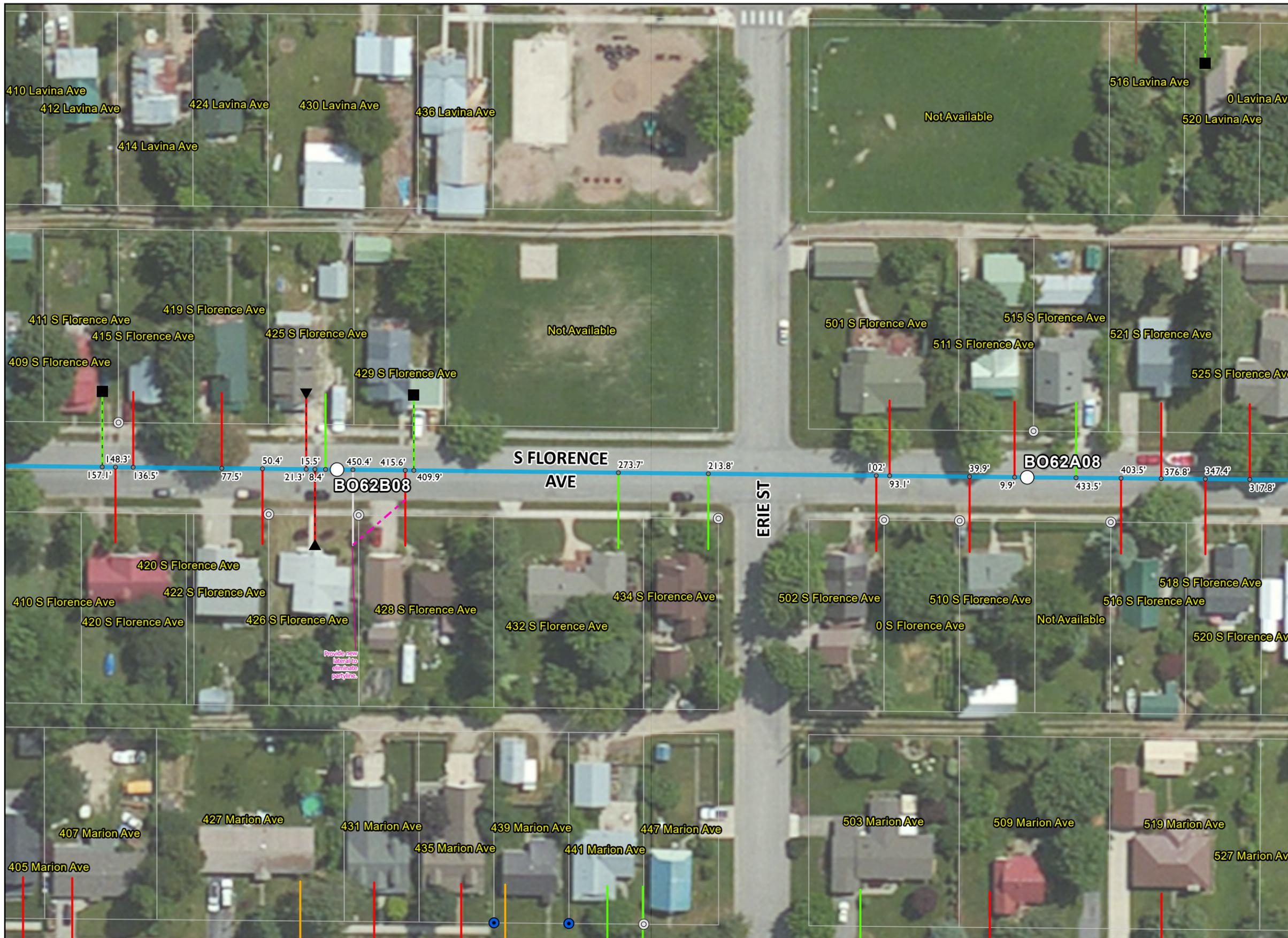
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Last Modified: 14-Sep-20

SANDPOINT SANITARY SEWER LATERAL PILOT PROJECT



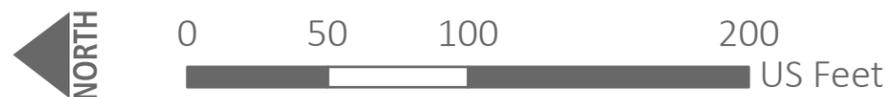
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|---|---|
| Lateral Materials | Other Items |
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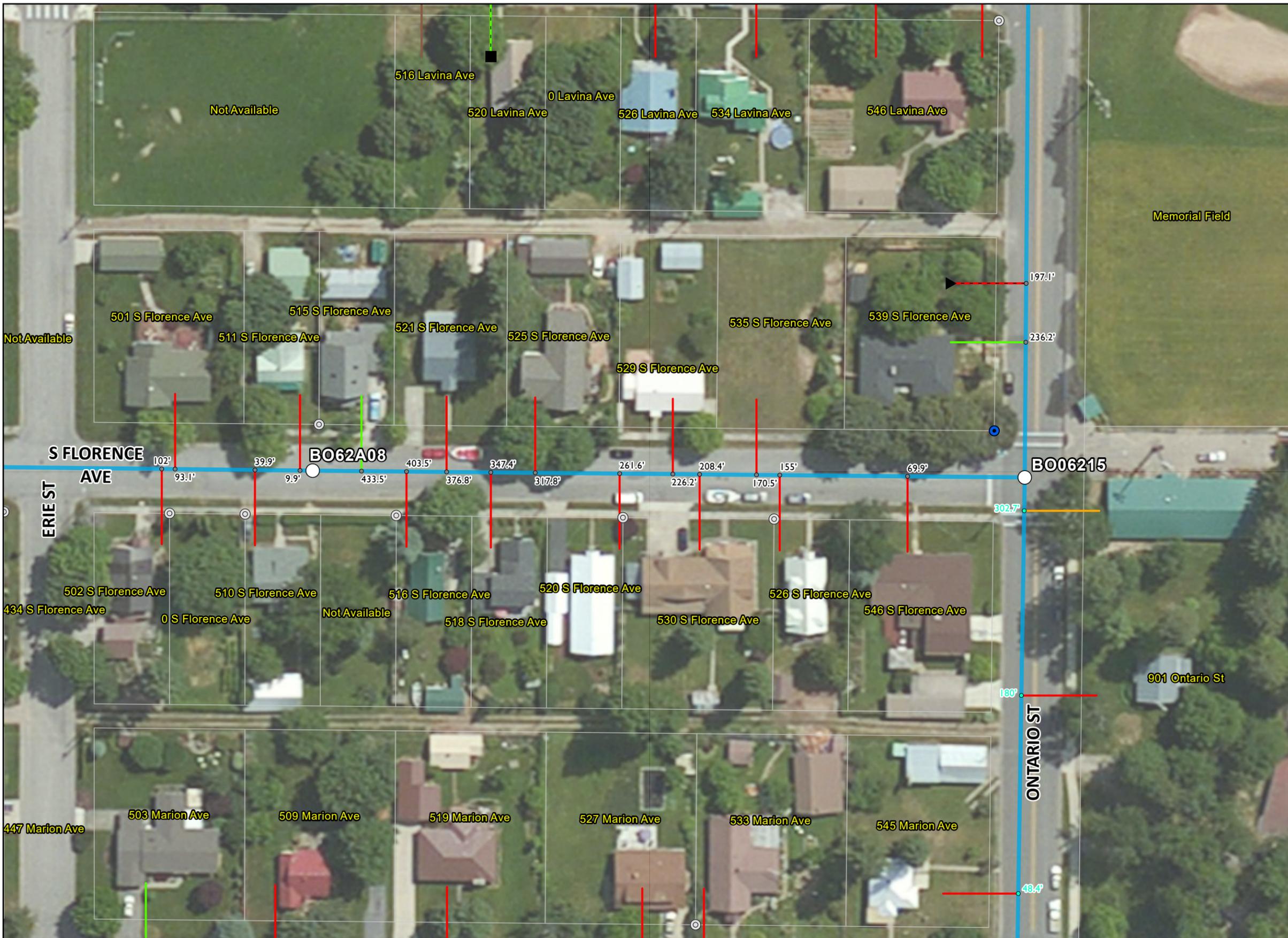
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OTHER J-U-B COMPANIES

SANDPOINT SANITARY SEWER LATERAL PILOT PROJECT



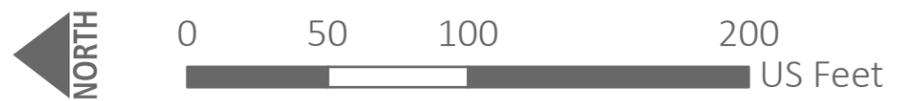
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|---|---|
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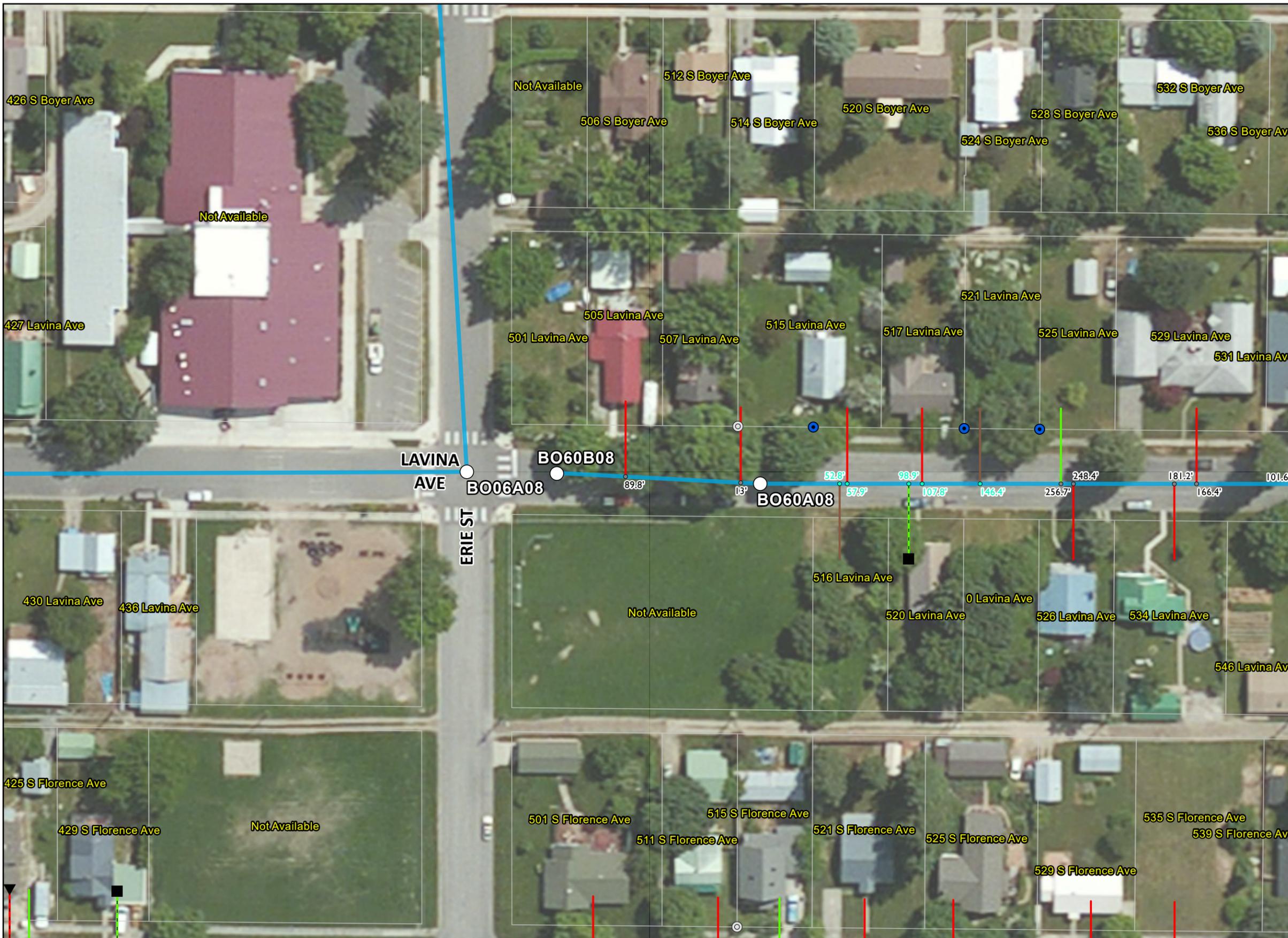
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OTHER J-U-B COMPANIES

SANDPOINT SANITARY SEWER LATERAL PILOT PROJECT



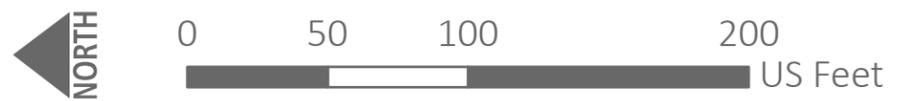
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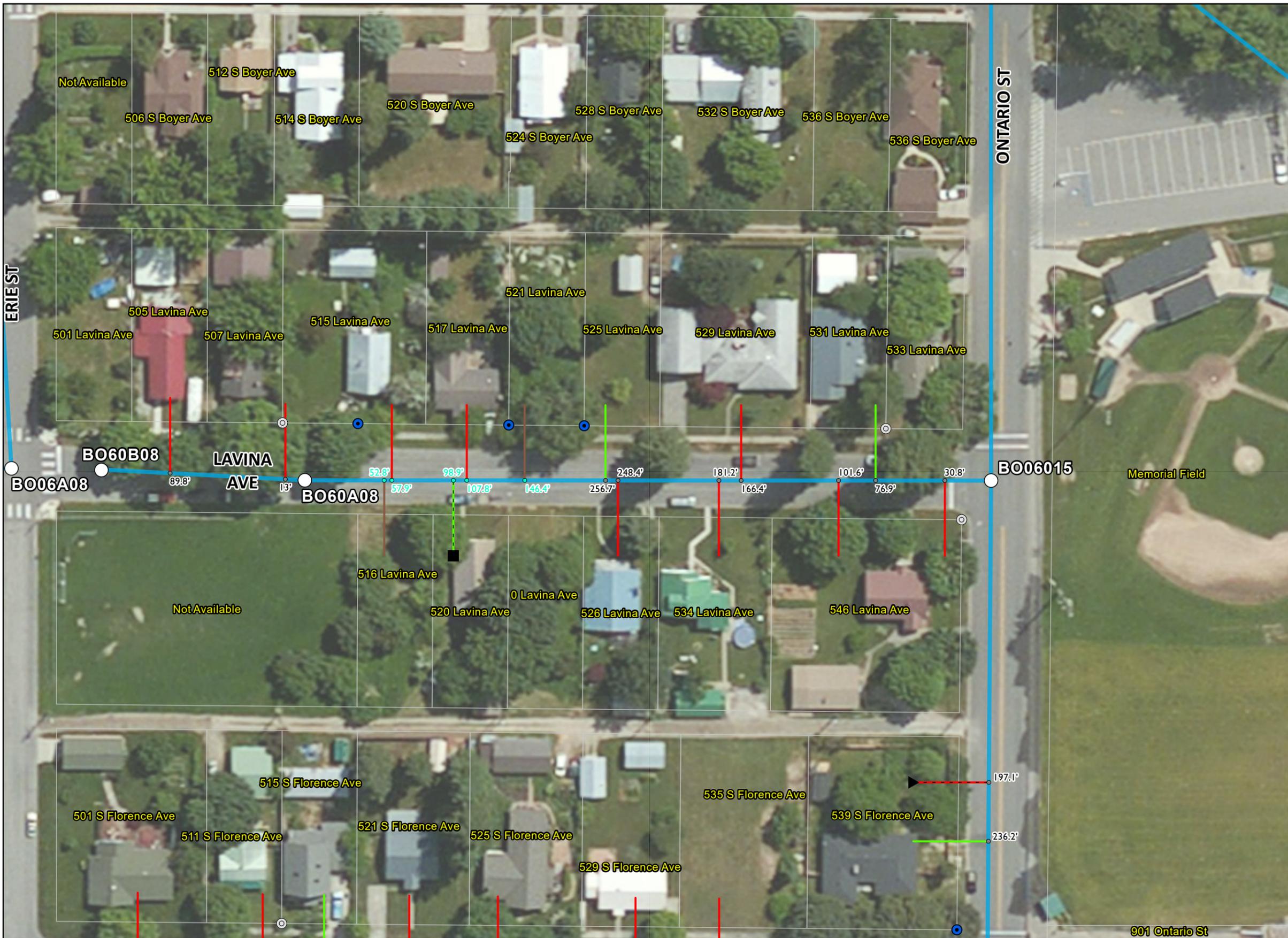
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OTHER J-U-B COMPANIES

SANDPOINT SANITARY SEWER LATERAL PILOT PROJECT



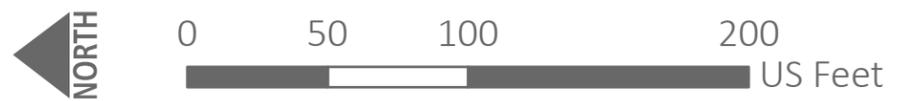
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- Distance from downstream MH
 - Distance from upstream MH

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Notes: This vicinity map is provided for location reference only. Refer to lateral replacement schedule for work requirements. Sewer alignments are shown approximately. Contractor is responsible for verifying service locations.

All General Notes and Standard Details from the Plans are incorporated herein by reference.

All property pins, monuments, accessories to corner, benchmark, and points set in control surveys shall be retained and protected. Locations of pins and monuments shown on these maps are based on a records search for areas where construction activity is likely within 10 feet of a property corner or line of occupation. Contractor shall review the area for property pins and monuments prior to construction and shall notify Owner and Engineer if construction activities could impact these items and provide sufficient time for Owner and Engineer to fully document the pins and monuments. Replacement of property pins and monuments disturbed by construction activities shall be by or under the supervision of a Professional Land Surveyor licensed in the State of Idaho per Idaho Code 55-1613 and will be at the Contractor's expense.



Last Modified: 14-Sep-20

P 1 2



OTHER J-U-B COMPANIES

SANDPOINT SANITARY SEWER LATERAL PILOT PROJECT



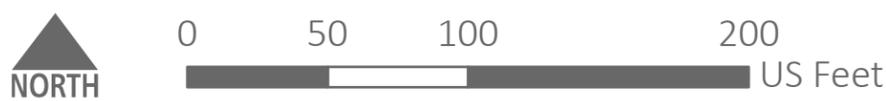
- | | |
|---|---|
| Lateral Materials | Other Items |
| — PVC | - - - PARTY LINE |
| — CAST IRON | ▶ - CAP AND ABANDON LATERAL |
| — CLAY | ■ - REPLACE MAINLINE CONNECTION ONLY |
| — POLYETHYLENE | ○ City of Sandpoint Manhole |
| — UNKNOWN | — City of Sandpoint Sewer Line |
| — TO BE DETERMINED | ○ Potential for historical property pin |
| Distance from MH (ft) | ● Recent record of property pin |
| ○ Distance from downstream MH | |
| ○ Distance from upstream MH | |

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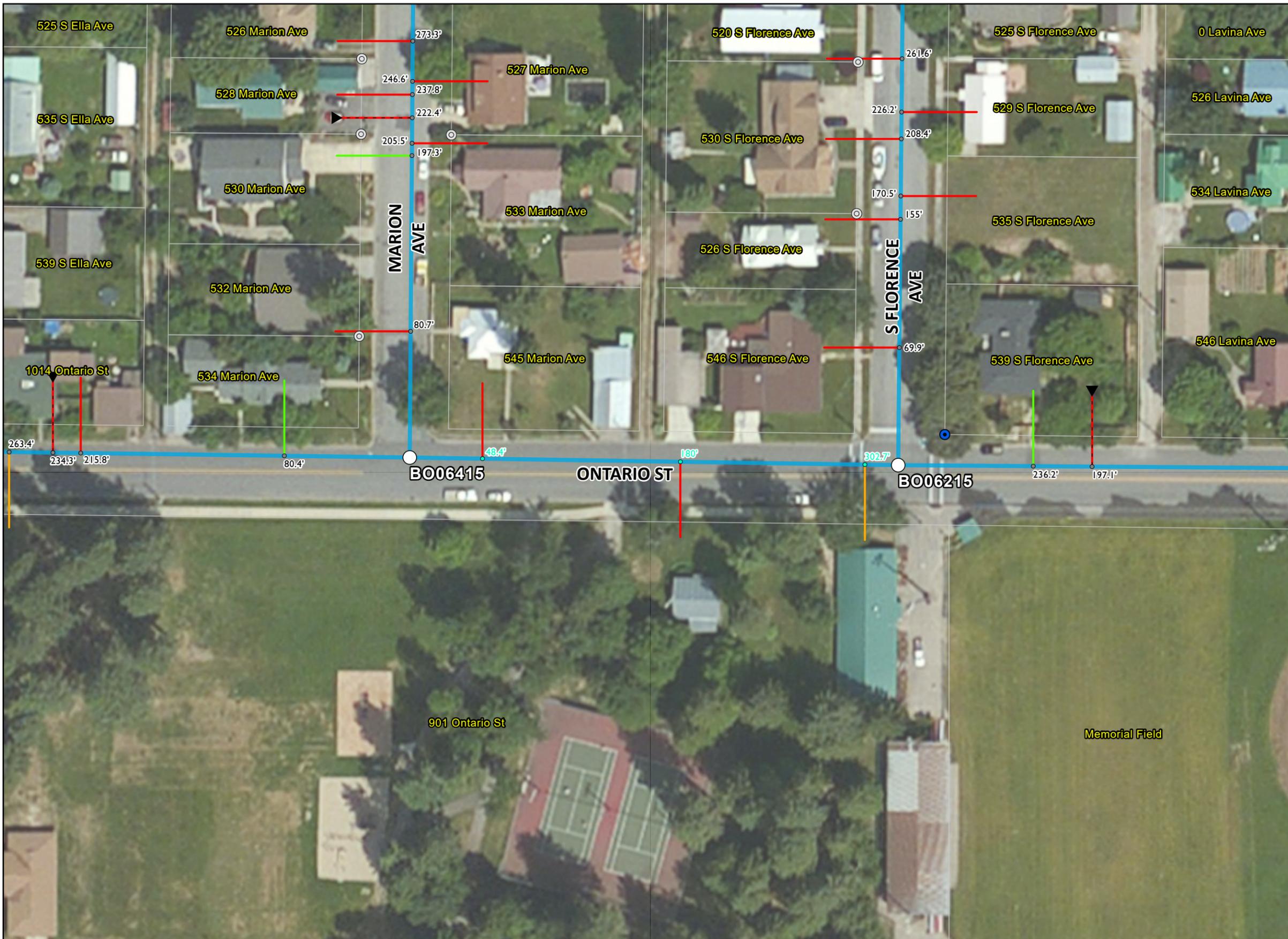
Last Modified: 14-Sep-20

P 13



OTHER J-U-B COMPANIES

SANDPOINT SANITARY SEWER LATERAL PILOT PROJECT



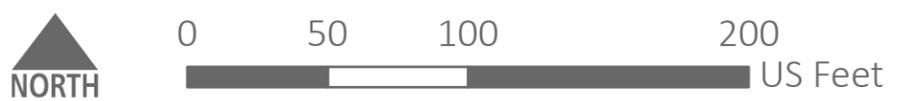
- | | |
|--|---|
| Lateral Materials | Other Items |
| — PVC | - - - PARTY LINE |
| — CAST IRON | ▶ - CAP AND ABANDON LATERAL |
| — CLAY | ■ - REPLACE MAINLINE CONNECTION ONLY |
| — POLYETHYLENE | ○ City of Sandpoint Manhole |
| — UNKNOWN | — City of Sandpoint Sewer Line |
| — TO BE DETERMINED | Property Pins |
| | ⊙ Potential for historical property pin |
| | ● Recent record of property pin |
- Distance from MH (ft)**
- Distance from downstream MH
 - Distance from upstream MH

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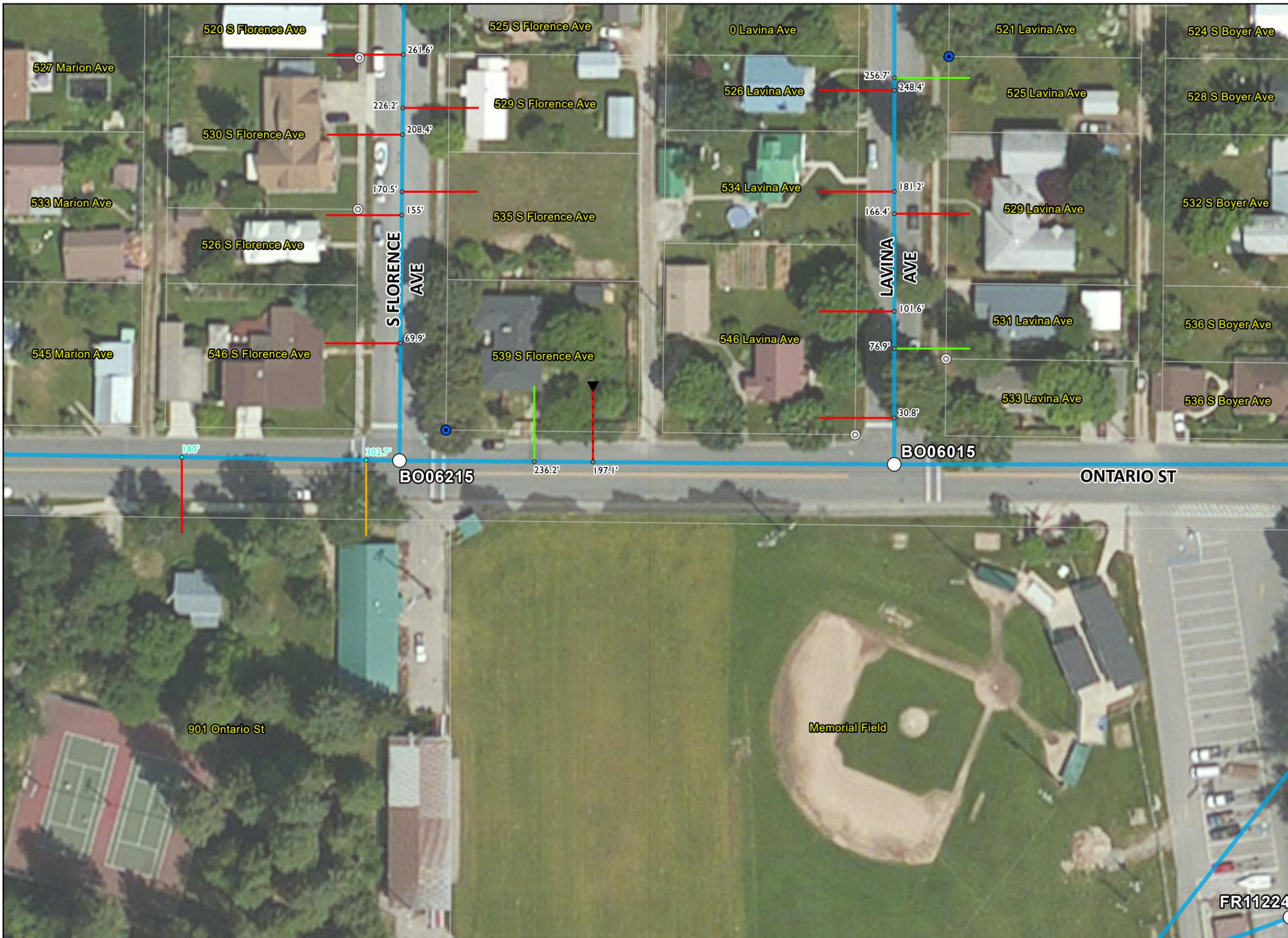
Last Modified: 14-Sep-20

P 14



OTHER J-U-B COMPANIES

SANDPOINT SANITARY SEWER LATERAL PILOT PROJECT



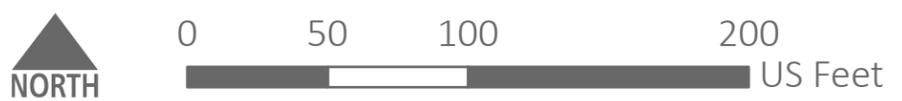
- | | |
|--|---|
| Lateral Materials | Other Items |
| — PVC | --- PARTY LINE |
| — CAST IRON | ▶ - CAP AND ABANDON LATERAL |
| — CLAY | ■ - REPLACE MAINLINE CONNECTION ONLY |
| — POLYETHYLENE | ○ City of Sandpoint Manhole |
| — UNKNOWN | — City of Sandpoint Sewer Line |
| — TO BE DETERMINED | Property Pins |
| | ⊙ Potential for historical property pin |
| | ● Recent record of property pin |
- Distance from MH (ft)**
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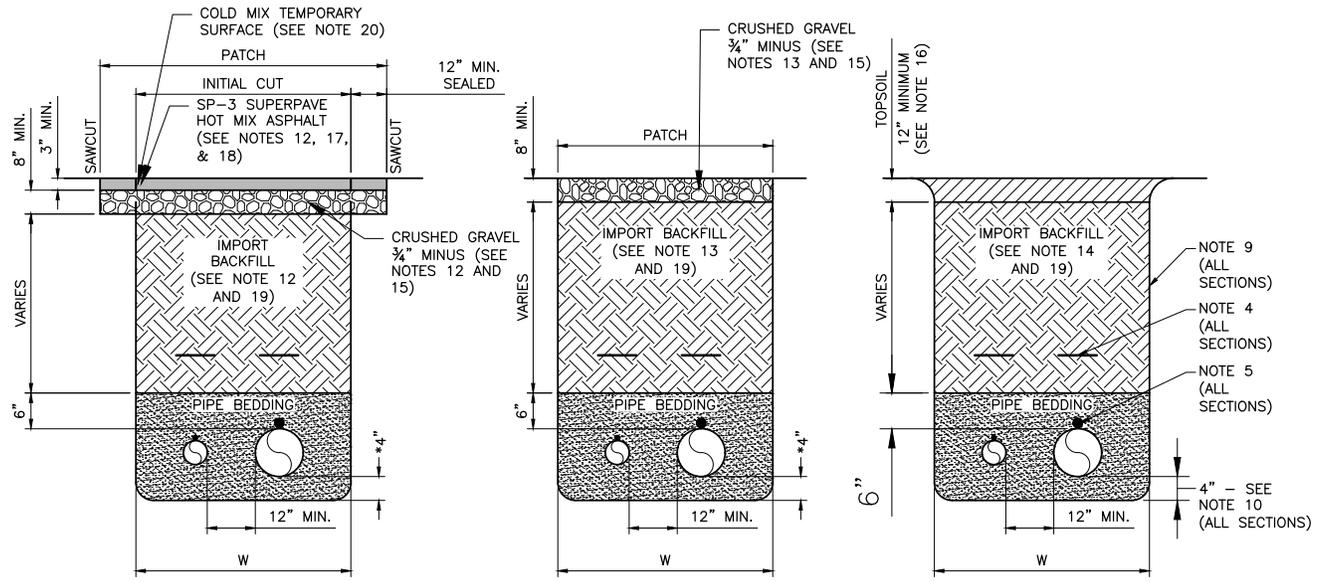
P 15



OTHER J-U-B COMPANIES

Pipe Lateral Replacement Schedule

Distance	Address	ROE	Service Location		Notes																		
			L	R	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16			
0	-																						
0	438 S ELLA AVE		●					●	●	●	●		●	●	●		●	●					
13.9	439 S ELLA AVE			●			●								●								
64.4	435 S ELLA AVE			●			●	●	●	●			●	●	●		●	●					
67.6	430 S ELLA AVE		●				●	●	●	●			●	●	●		●	●					
99.2	429 S ELLA AVE			●			●	●	●	●			●	●	●		●	●	●				
121.3	426 S ELLA AVE		●				●	●	●	●			●	●	●		●	●					
138.8	426 S ELLA AVE		●			●			●						●								
164.4	425 S ELLA AVE			●	●																		
168.5	421 S ELLA AVE			●			●	●	●	●			●	●	●		●	●	●				
176.7	424 S ELLA AVE		●		●																		
231.5	418 S ELLA AVE		●				●	●	●	●			●	●	●		●	●	●				
233.0	417 S ELLA AVE			●			●	●	●	●			●	●	●		●	●					
280.9	416 S ELLA AVE		●				●	●	●	●			●	●	●		●	●					
390.6	406 S ELLA AVE		●			●																	
421.5	401 S ELLA AVE			●			●	●	●	●			●	●	●		●	●					



TYPE 'P' SURFACE REPAIR
 (ASPHALT ROADWAY)
 W = MIN. 24" FOR SINGLE PIPE 12" OR LESS.
 W = MIN. 24"+ O.D. FOR SINGLE PIPE > 12"

TYPE 'C' SURFACE REPAIR
 (GRAVEL ROADWAY)

MISCELLANEOUS SURFACE REPAIR

NOTES:

- ALL LOOSE AND FOREIGN MATERIAL SHALL BE REMOVED FROM THE FACE OF THE EXISTING BITUMINOUS SURFACE—CUT.
- ANY FRACTURED BITUMINOUS SURFACE BEYOND THE FACE OF THE SURFACE—CUT SHALL BE REMOVED.
- THE FACE OF THE BITUMINOUS SURFACE—CUT MUST BE PRIMED BEFORE APPLYING PATCH.
- CONTINUOUS PLASTIC TAPE MARKED APPROPRIATELY FOR THE PIPE SERVICE (TYP. ALL TYPES); 12" MAX. ABOVE PIPE.
- FOR WATERLINE, 12 GA. COPPER TRACE WIRE LOOPED UP AT VALVES (THHN OR THWN) AND STRUCTURES. VERIFY CONTINUITY WITH ENGINEER. (TYP. ALL TYPES).
- PATCH SHALL NOT OVERLAP THE EXISTING BITUMINOUS SURFACE.
- THE PATCH THICKNESS SHALL BE AT LEAST EQUAL TO EXISTING CONDITION 3" MINIMUM.
- 48" MINIMUM BURY, UNLESS OTHERWISE NOTED.
- TRENCH SIDE WALL EXCAVATION SHALL BE SLOPED AND/OR SUPPORTED AS REQUIRED PER FEDERAL, STATE AND LOCAL LAWS.
- 6" PIPE BEDDING TO BE PLACED UNDER PIPE WHERE CEMENTED GRAVELS, SOLID ROCK OR UNSTABLE SOIL DUE TO PRESENCE OF WATER IS ENCOUNTERED.
- SURFACE REPAIR SECTIONS ARE MINIMUM REQUIRED. SEE OTHER NOTES/DETAILS IN THE PLANS FOR ADDITIONAL REQUIREMENTS.
- BACKFILL AND BASE MATERIAL SHALL BE COMPACTED TO 92% PER ASTM D1557 MODIFIED PROCTOR FROM THE TOP OF THE PIPE BEDDING TO A POINT 4 FEET BELOW THE SURFACE AND COMPACTED TO 95% PER ASTM D1557 FROM A POINT 4 FEET BELOW THE SURFACE TO THE BOTTOM OF THE SURFACE REPAIR COURSE. HMA SHALL BE COMPACTED TO A RANGE BETWEEN 92% AND 95% OF THE MAXIMUM THEORETICAL DENSITY FOR THE SUBMITTED MIX DESIGN. OFFSET COLD JOINTS IF PLACING MULTIPLE LIFTS OF HMA.
- BACKFILL AND SURFACE REPAIR MATERIAL SHALL BE COMPACTED TO 92% PER ASTM D1557 MODIFIED PROCTOR FROM THE TOP OF THE PIPE BEDDING TO A POINT 4 FEET BELOW THE SURFACE AND COMPACTED TO 95% PER ASTM D1557 FROM A POINT 4 FEET BELOW THE SURFACE TO THE SURFACE LEVEL.
- TRENCH BACKFILL SHALL BE PLACED TO 12 INCHES BELOW FINISHED GRADE. COMPACTION SHALL BE 92% PER ASTM D1557 MODIFIED PROCTOR FROM THE TOP OF THE PIPE BEDDING TO THE BOTTOM OF THE SURFACE RESTORATION.
- 3/4" (TYPE I) PER ISPCW SECTION 802.2.2.
- COMPACT AND GRADE TOPSOIL TO PROVIDE A SMOOTH SURFACE EVEN WITH THE EXISTING TERRAIN. TOPSOIL SHALL BE SEEDED WITH A MIX DESIGN TO MATCH EXISTING VEGETATION (E.G., LAWN GRASS, NATURAL GRASSES). SEED SHALL BE WATERED AND MAINTAINED AS REQUIRED TO RE—ESTABLISH VEGETATION.

- REFERENCE ISPCW SECTION 810—PLANT MIX PAVEMENT FOR INFORMATION ON SUPERPAVE HMA REQUIREMENTS, INCLUDING AIR AND SURFACE TEMPERATURE LIMITATIONS FOR PLACEMENT.
- THE FOLLOWING SHALL BE COMPLETED PRIOR TO PLACEMENT OF HMA: 1) ALL UTILITIES SHALL BE INSTALLED, TESTED, AND APPROVED; 2) THE CONTRACTOR SHALL CERTIFY AND PROVIDE COPIES OF COMPACTION TEST RESULTS TO OWNER AND ENGINEER FOR ALL TRENCHES AND SUB—GRADE; 3) MANHOLES, CLEANOUTS, AND OTHER UTILITIES WILL BE ADJUSTED TO GRADE, AS NECESSARY; 4) ADJACENT CONCRETE WORK SHALL BE COMPLETED; AND 5) A TACK COAT SHALL BE APPLIED TO ALL ADJACENT HMA JOINTS.
- 3/4" (TYPE I) OR 2" (TYPE II) PER ISPCW SECTION 802.2.2. IF TYPE II MATERIAL IS USED AND COMPACTION TESTING CANNOT BE PERFORMED VIA NUCLEAR METHOD, CONTRACTOR SHALL ESTABLISH METHOD COMPACTION PROCEDURE WITH THEIR GEOTECHNICAL/TESTING SUBCONTRACTOR TO MEET COMPACTION REQUIREMENTS.
- TEMPORARY REPAIR, IF NEEDED, FOR AREAS DESIGNATED FOR TYPE "P" SURFACE REPAIR SHALL BE A POLYMER—MODIFIED COLD MIX ASPHALT. DEPTH SHALL BE 2" MINIMUM. PLACE AND COMPACT TO MATCH EXISTING SURFACE (GRADES, CROWNS, ETC.).

NOTE 9 (ALL SECTIONS)
 NOTE 4 (ALL SECTIONS)
 NOTE 5 (ALL SECTIONS)
 4" — SEE NOTE 10 (ALL SECTIONS)

02000 COMMON TRENCH BACKFILL & SURFACE REPAIR
 NOT TO SCALE

Plot Date: 9/14/2020 9:25 AM Plotted By: Angela Heiser
 Date Created: 8/25/2020 C:\DATA\FILES\PUBLIC\PROJECTS\JUB\20-19-023 CI OF SANDPOINT\I DATA COLLECTION\CAD\SHHEET\20-19-023-000 - C-501X.DWG

REUSE OF DRAWINGS

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NO.	REVISION DESCRIPTION	BY	APR	DATE

FILE: 20-19-023-030_C-501X
JUB PROJ. #: 20-19-023
DRAWN BY: ALH
DESIGN BY: CJH
CHECKED BY: SPJ
LAST UPDATED: 9/14/2020



CITY OF SANDPOINT
SANITARY SEWER LATERAL PILOT PROJECT
 STANDARD DETAIL
 02000

GENERAL NOTES:

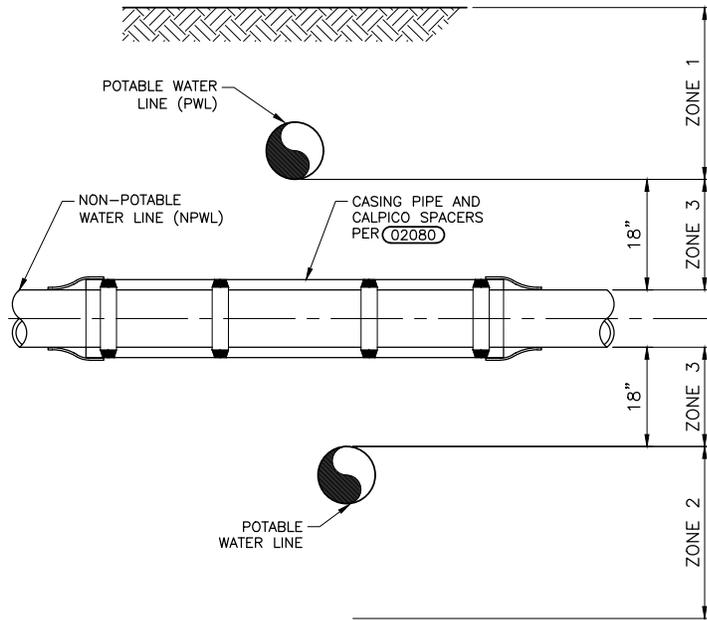
1. THIS DETAIL PERTAINS TO SEPARATION REQUIREMENTS FOR POTABLE WATER AND NON-POTABLE WATER PIPELINES LOCATED WITHIN PUBLIC RIGHTS OF WAY. THE TERM "PIPELINE" APPLIES TO BOTH MAINS AND SERVICES.
2. REFER TO IDAPA 58.01.08.542.07 (IDAHO RULES FOR PUBLIC DRINKING WATER SYSTEMS) AND IDAPA 58.01.16.430.02 (IDAHO WASTEWATER RULES) FOR ALL SEPARATION REQUIREMENTS.
3. ANY CONDITIONS NOT MEETING THESE TYPICAL SEPARATION REQUIREMENTS MUST HAVE IDEQ SITE SPECIFIC APPROVAL (E.G. SKEWED CROSSINGS, I.E. NOT AT 90°).
4. NON-POTABLE MAINS ARE PROHIBITED FROM BEING LOCATED IN THE SAME TRENCH AS POTABLE MAINS. NEW POTABLE SERVICES ARE PROHIBITED FROM BEING LOCATED IN THE SAME TRENCH AS NON-POTABLE MAINS OR NON-POTABLE SERVICES.
5. PRESSURE SEWAGE MAINS SHALL BE NO CLOSER HORIZONTALLY THAN TEN (10) FEET AND NO CLOSER VERTICALLY THAN EIGHTEEN (18) INCHES FROM POTABLE MAINS.
6. EXISTING POTABLE SERVICES IN RELATION TO NEW NON-POTABLE MAINS, EXISTING NON-POTABLE SERVICES IN RELATION TO NEW POTABLE MAINS, AND EXISTING POTABLE SERVICES IN RELATION TO NEW NON-POTABLE SERVICES SHALL MEET THE REQUIREMENTS OF IDAPA 58.01.16.430.02.o.ii., WHERE PRACTICAL, BASED ON COST, CONSTRUCTION FACTORS, AND PUBLIC HEALTH SIGNIFICANCE. IF THE DEPARTMENT (IDEQ) DETERMINES THAT THERE ARE SIGNIFICANT HEALTH CONCERNS WITH THESE SERVICES, SUCH AS WHERE A LARGE EXISTING SERVICE SERVES AN APARTMENT BUILDING OR A SHOPPING CENTER, THEN THE DESIGN SHALL CONFORM WITH IDAPA 58.01.16.430.02.o.ii.

HORIZONTAL SEPARATION REQUIREMENT NOTES (REFERENCE: IDAPA 58.01.16.430.o.i):

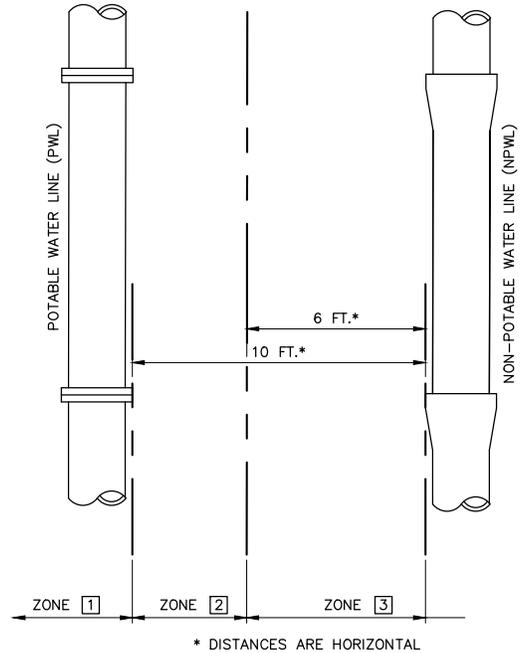
- NON-POTABLE MAINS IN RELATION TO POTABLE MAINS:
 - ZONE 1 **[1]** GREATER THAN TEN (10) FEET SEPARATION: NO ADDITIONAL REQUIREMENTS BASED ON SEPARATION DISTANCE.
 - ZONE 2 **[2]** TEN (10) FEET TO SIX (6) FEET SEPARATION: SEPARATE TRENCHES, WITH BOTTOM OF THE POTABLE MAIN ABOVE THE TOP OF THE NON-POTABLE MAIN, AND NON-POTABLE MAIN CONSTRUCTED WITH POTABLE-WATER CLASS PIPE.
 - ZONE 3 **[3]** LESS THAN SIX (6) FEET SEPARATION: DESIGN ENGINEER TO SUBMIT DATA TO THE DEPARTMENT FOR REVIEW AND APPROVAL THAT THIS INSTALLATION WILL PROTECT PUBLIC HEALTH AND ENVIRONMENT AND NON-POTABLE MAIN CONSTRUCTED WITH POTABLE-WATER CLASS PIPE.
- NEW NON-POTABLE SERVICES IN RELATION TO POTABLE SERVICES, NEW NON-POTABLE SERVICES IN RELATION TO POTABLE MAINS, AND NEW POTABLE SERVICES IN RELATION TO NON-POTABLE MAINS.
 - ZONE 2 **[2]** GREATER THAN SIX (6) FEET SEPARATION: NO ADDITIONAL REQUIREMENTS BASED ON SEPARATION DISTANCES.
 - ZONE 3 **[3]** LESS THAN SIX (6) FEET SEPARATION: DESIGN ENGINEER TO SUBMIT DATA THAT THIS INSTALLATION WILL PROTECT PUBLIC HEALTH AND THE ENVIRONMENT AND NON-POTABLE SERVICE CONSTRUCTED WITH POTABLE WATER CLASS PIPE.

VERTICAL SEPARATION REQUIREMENT NOTES (REFERENCE: IDAPA 58.01.16.430.o.ii):

- ZONE 1: EIGHTEEN (18) INCHES OR MORE VERTICAL SEPARATION WITH POTABLE PIPELINE ABOVE NON-POTABLE PIPELINE: NON-POTABLE PIPELINE JOINT TO BE AS FAR AS POSSIBLE FROM THE POTABLE WATER PIPELINE.
- ZONE 2: EIGHTEEN (18) INCHES OR MORE VERTICAL SEPARATION WITH POTABLE WATER PIPELINE BELOW NON-POTABLE PIPELINE: NON-POTABLE PIPELINE JOINT TO BE AS FAR AS POSSIBLE FROM THE POTABLE WATER PIPELINE, AND NON-POTABLE PIPELINE MUST BE SUPPORTED THROUGH THE CROSSING TO PREVENT SETTLING.
- ZONE 3: LESS THAN EIGHTEEN (18) INCHES VERTICAL SEPARATION:
 - a) NON-POTABLE PIPELINE JOINT TO BE AS FAR AS POSSIBLE FROM THE POTABLE WATER PIPELINE; AND EITHER
 - b) NON-POTABLE PIPELINE CONSTRUCTED WITH POTABLE WATER CLASS PIPE FOR A MINIMUM OF TEN (10) FEET EITHER SIDE OF POTABLE PIPELINE WITH A SINGLE TWENTY (20) FOOT SECTION OF POTABLE WATER CLASS PIPE CENTERED ON THE CROSSING; OR
 - c) SLEEVE NON-POTABLE OR POTABLE PIPELINE WITH POTABLE WATER CLASS PIPE FOR TEN (10) FEET EITHER SIDE OF CROSSING. USE OF HYDRAULIC CEMENTITIOUS MATERIALS SUCH AS CONCRETE, CONTROLLED DENSITY FILL, AND CONCRETE SLURRY ENCASEMENT IS NOT ALLOWED AS A SUBSTITUTE FOR SLEEVING.
 - d) IF THE POTABLE PIPELINE IS BELOW NON-POTABLE PIPELINE, THE NON-POTABLE PIPELINE MUST ALSO BE SUPPORTED THROUGH THE CROSSING TO PREVENT SETTLING.



VERTICAL SEPARATION REQUIREMENTS



HORIZONTAL SEPARATION REQUIREMENTS

* DISTANCES ARE HORIZONTAL

IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY (IDEQ) POTABLE WATER (PW) AND NON-POTABLE WATER LINE (NPWL) SEPARATION REQUIREMENTS

02010 NOT TO SCALE

REUSE OF DRAWINGS

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 JUB PROJ. #: 20-19-023
 DRAWN BY: ALH
 DESIGN BY: CJH
 CHECKED BY: SPJ



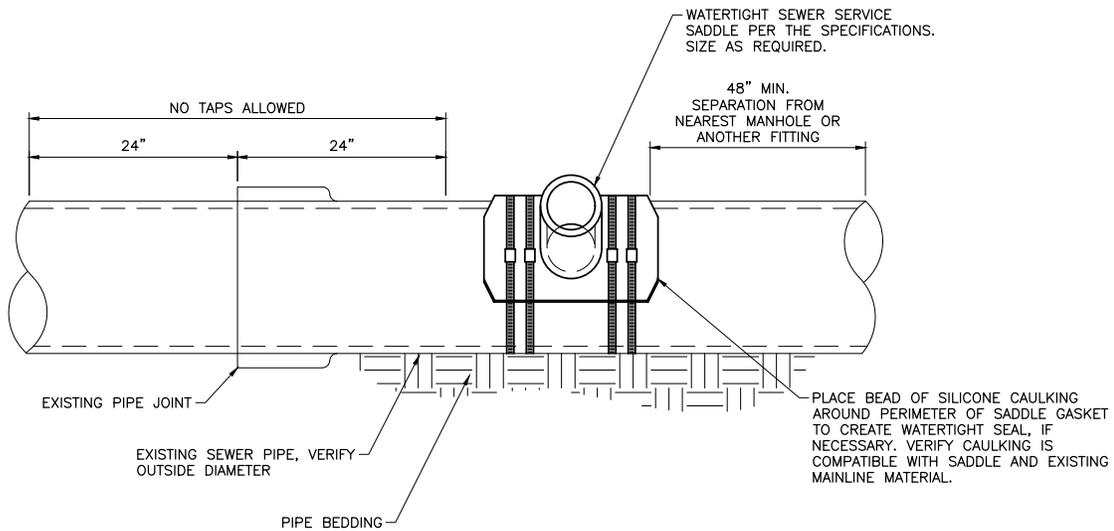
**CITY OF SANDPOINT
 SANITARY SEWER LATERAL PILOT PROJECT**

STANDARD DETAIL
 02010

NO	REVISION DESCRIPTION	BY	APR	DATE	LAST UPDATED: 9/14/2020

NOTES:

1. ALL SADDLES SHALL BE DESIGNED TO BE WATERTIGHT AND USED ON THE OUTSIDE DIAMETER OF THE PUBLIC SEWER MAIN ENCOUNTERED AND NEW LATERAL ONLY.
2. A MINIMUM OF FOUR (4) STAINLESS STEEL (SERIES 300 OR BETTER) THREADED STRAPS CAPABLE OF A MINIMUM OF 60 LBS. TORQUE SHALL BE USED TO SECURE SADDLE TO PUBLIC SEWER MAIN. GLUED OR CEMENTED SADDLES WILL NOT BE ALLOWED.
3. ALL TAPS SHALL BE ORIENTATED AT A MINIMUM 45° ANGLE FROM EXISTING SEWER MAIN SPRING LINE (ABOVE HORIZONTAL) UNLESS SPECIFIED OTHERWISE BY THE CITY. NO TAPS ON CROWN OF PIPE WILL BE ALLOWED.
4. ALL TAPS MUST BE CLEAN CUT BY DRILLING OR CORING METHOD ONLY. NO "BREAK-IN" OR HAMMERING TAPS WILL BE ALLOWED. CORE COUPON SHALL BE PRESENTED FOR INSPECTION.
5. IF SEWER MAIN HAS BEEN REHABILITATED USING CURED-IN-PLACE-PIPE (CIPP), INSTALL PER SECTION 504, PARAGRAPH 3.3.C.4 OF THE SPECIAL PROVISIONS.



SEWER SERVICE TAPPING SADDLE FOR SERVICES ON CIPP MAIN LINES
 NOT TO SCALE

02068

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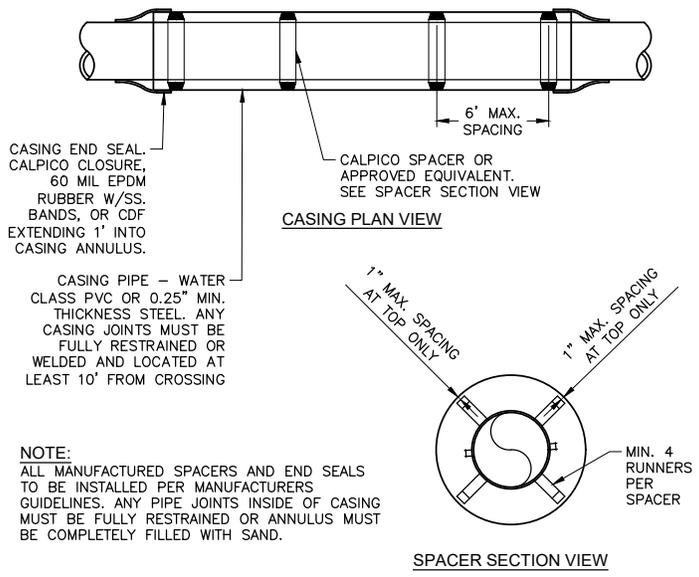


**CITY OF SANDPOINT
 SANITARY SEWER LATERAL PILOT PROJECT**

STANDARD DETAIL
 02068

NO.	REVISION DESCRIPTION	BY	APR	DATE	LAST UPDATED: 9/14/2020

Plot Date: 9/14/2020 9:25 AM Plotted By: Angela Heiser
 Date Created: 8/25/2020 V:\DATA FILES\PUBLIC\PROJECTS\JUB\20-19-023 CI OF SANDPOINT - I\DATA COLLECTION\CAD\SHEET\20-19-023-000_C-501X.DWG



NOTE:
 ALL MANUFACTURED SPACERS AND END SEALS TO BE INSTALLED PER MANUFACTURERS GUIDELINES. ANY PIPE JOINTS INSIDE OF CASING MUST BE FULLY RESTRAINED OR ANNULUS MUST BE COMPLETELY FILLED WITH SAND.

02080 PIPE CASING DETAIL
 NOT TO SCALE

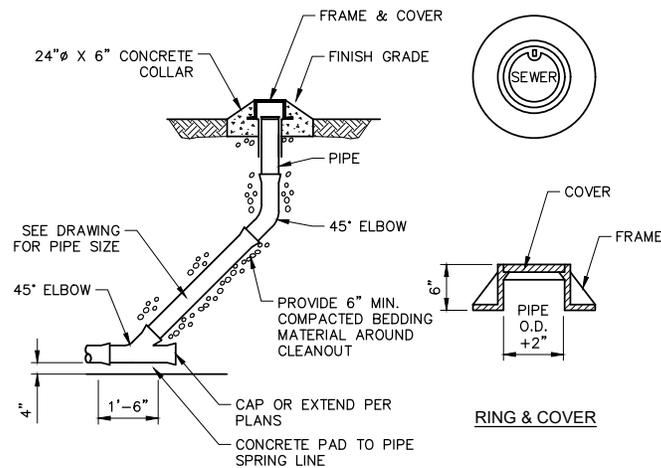
REUSE OF DRAWINGS		FILE: 20-19-023-030_C-501X
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		DRAWN BY: ALH
		DESIGN BY: CJH
		CHECKED BY: SPJ
NO	REVISION DESCRIPTION	BY APR DATE
		LAST UPDATED: 9/14/2020



CITY OF SANDPOINT
SANITARY SEWER LATERAL PILOT PROJECT
 STANDARD DETAIL
 02080

NOTES:

1. IF CONSTRUCTED IN AN UNIMPROVED AREA, RING AND COVER SHALL BE 6" ABOVE GRADE.
2. PIPE AND FITTINGS SHALL BE OF THE SAME MATERIAL AS THE GRAVITY DRAIN.
3. IF IN A PAVED AREA, RECESS LID ¼" BELOW FINISH GRADE.



02105 GRAVITY CLEAN OUT TO GRADE
NOT TO SCALE

REUSE OF DRAWINGS

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FILE: 20-19-023-030_C-501X
 JUB PROJ. #: 20-19-023
 DRAWN BY: ALH
 DESIGN BY: CJH
 CHECKED BY: SPJ



J-U-B ENGINEERS, INC.

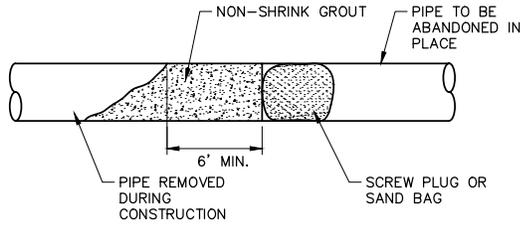
**CITY OF SANDPOINT
SANITARY SEWER LATERAL PILOT PROJECT**

STANDARD DETAIL
02105

NO.	REVISION DESCRIPTION	BY	APR	DATE	LAST UPDATED: 9/14/2020

Plot Date: 9/14/2020 9:25 AM Plotted By: Angela Hester
 Date Created: 8/25/2020 C:\DATA\FILES\PUBLIC\PROJECTS\JUB\20-19-023 CI OF SANDPOINT - I\DATA COLLECTION\CAD\SHEET\20-19-023-000 - C-501X.DWG

NOTE:
 EXPOSE BOTH ENDS OF PIPE TO BE
 ABANDONED IN PLACE AND PLUG.



02115 PIPE ABANDONMENT PLUG
 NOT TO SCALE

REUSE OF DRAWINGS
 J-U-B SHALL RETAIN ALL COMMON LAW, STATUTORY, COPYRIGHT AND
 OTHER RESERVED RIGHTS OF THESE DRAWINGS, AND THE SAME SHALL
 NOT BE REUSED WITHOUT J-U-B'S PRIOR WRITTEN CONSENT. ANY
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FILE: 20-19-023-030_C-501X
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 DRAWN BY: ALH
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CITY OF SANDPOINT
 SANITARY SEWER LATERAL PILOT PROJECT

STANDARD DETAIL
 02115

NO	REVISION DESCRIPTION	BY	APPR	DATE	LAST UPDATED: 9/14/2020

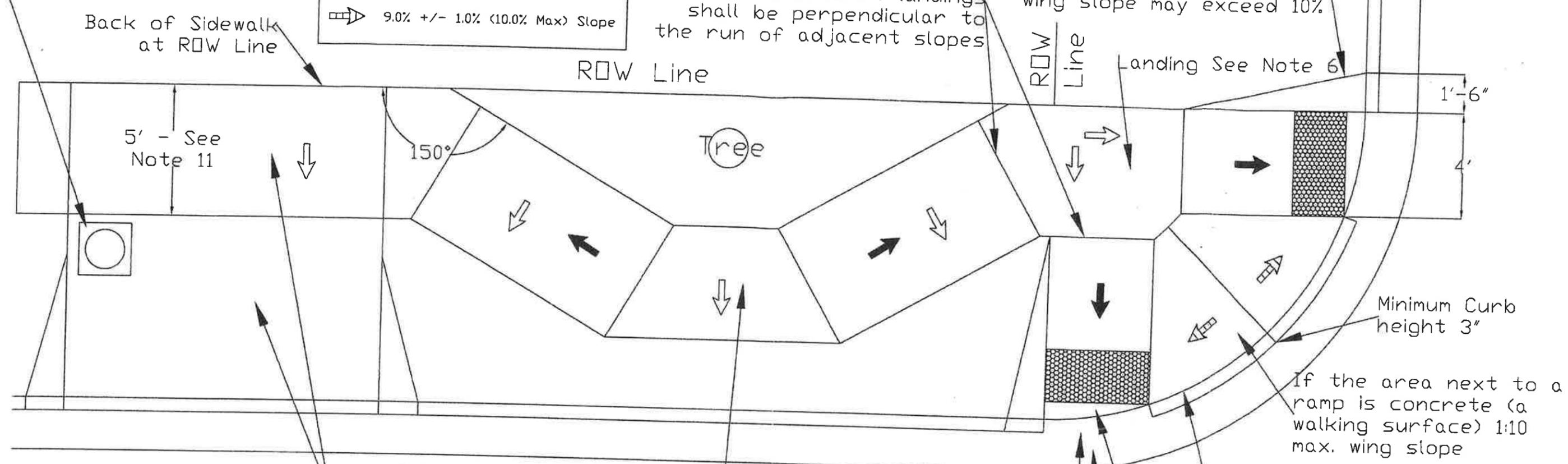
Block out around Utility Poles 3" Min. concrete with expansion joints

Legend

- ↘ 1.5% +/- 0.5% (2% Max) Slope
- ➔ 7.3% +/- 1.0% (8.3% Max) Slope
- ↗ 9.0% +/- 1.0% (10.0% Max) Slope

Grade breaks at landings shall be perpendicular to the run of adjacent slopes

When the area around ramps is grass (not a walking surface), ramp wing slope may exceed 10%



6" thick concrete w/ #4 rebar 18" OC both directions at drive aprons and adjacent sidewalk

Raise & Meander sidewalk to avoid damage to existing tree roots and future sidewalk damage from tree growth

In ramp throat, transition from curb top slope to counter slope shall not have any vertical lip but shall maintain gutter flow line at not more than 2%.

No expansion joint material at ramps, wings or landings

If the area next to a ramp is concrete (a walking surface) 1:10 max. wing slope

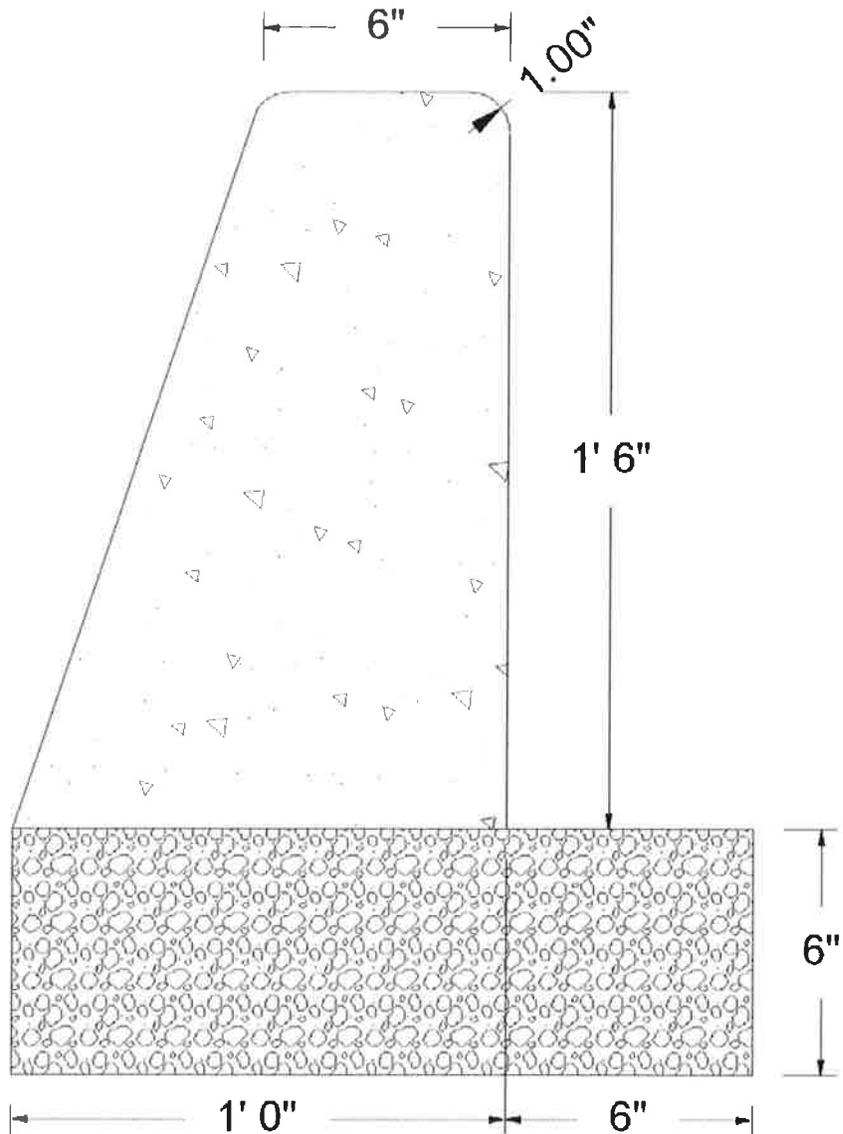
Area between dome panels and curb 2% slope max. in any direction
Gutter counter slope 5% max. at ramp

- Notes:
1. A curb height of 6" is assumed. Adjustments may be made for conditions in the field.
 2. The detectable warning surface shall be cast iron & installed 24" deep along the full width of the pedestrian ramp. At least one corner of the leading edge of the panel shall be less than 8" from the face of the curb.
 3. Ramps shall not have any utilities or structures within the flare, ramp, or landing.
 4. Finish concrete with a coarse broom surface perpendicular to travel or slope.
 5. Place preformed expansion joint in sidewalk only. Joint filler shall not be placed within 2' of the ramp, flare, or landing.
 6. Landings shall have absolute minimum dimensions of 4' X 4' and absolute maximum slopes of 2% in all directions
 7. Grade breaks shall be angular and distinct
 8. Flares are generally preferred over return curbs to provide gradual curb transitions. Return curbs shall only be installed in locations that are not part of the pedestrian circulation path. Flares that are not part of the pedestrian circulation path may be at any slope (33% preferred max.)
 9. Use expansion joints every 20' in sidewalk and at changes in concrete thickness. No expansion joint shall be used within the area of a curb ramp, wings or landings.
 10. Block out around utility poles and use expansion joints to avoid cracks and allow pole replacement.
 11. Minimum Sidewalk Width shall be per City Resolution 06-53, typically 5', but 6' or wider on Arterials and Collector Streets or with limited planting strips.
 12. Concrete mix design shall include natural or synthetic fiber mesh per manufacturer's recommendations.



Sheet Title: Std. Sidewalk Details			
Project:			
Drawn: B. W. R.	Checked: K. P. V.	Date: 3/5/14	Sht. 1 of 1
City of Sandpoint, Public Works Approved by Sandpoint City Council 3/5/2014			

Crushed Rock Base



NOTES :

1. GRADE AND ALIGNMENT TO BE ESTABLISHED AND APPROVED BY THE ENGINEER AND THE CITY OF SANDPOINT.
2. BASE : 6" OF 3/4 MINUS CRUSHED AGGREGATE COMPACTED TO 95% OF STANDARD PROCTOR.
3. 1/2" PREFORMED EXPANSION JOINT MATERIAL AT TERMINAL POINTS OF RADII.
4. CONTINUOUS PLACEMENT PREFERRED
5. SCORE AT 10' INTERVALS MAX. (8' W/SIDEWALK)
6. MATERIALS AND CONSTRUCTION IN COMPLIANCE WITH ISPWC.
7. BACKFILL AS PER ISPWC SECTION 706
8. VERTICAL CURB IS ONLY TO BE USED TO MATCH EXISTING CURB

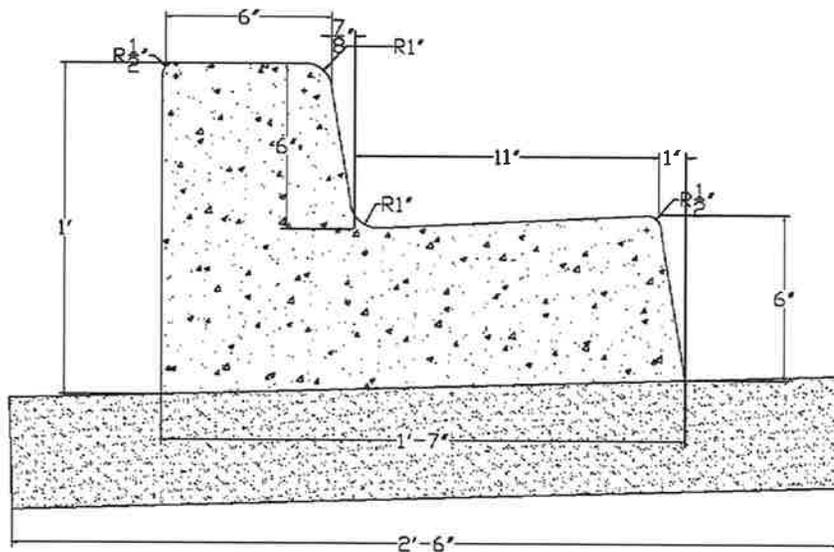
SHEET TITLE:

Vertical Curb

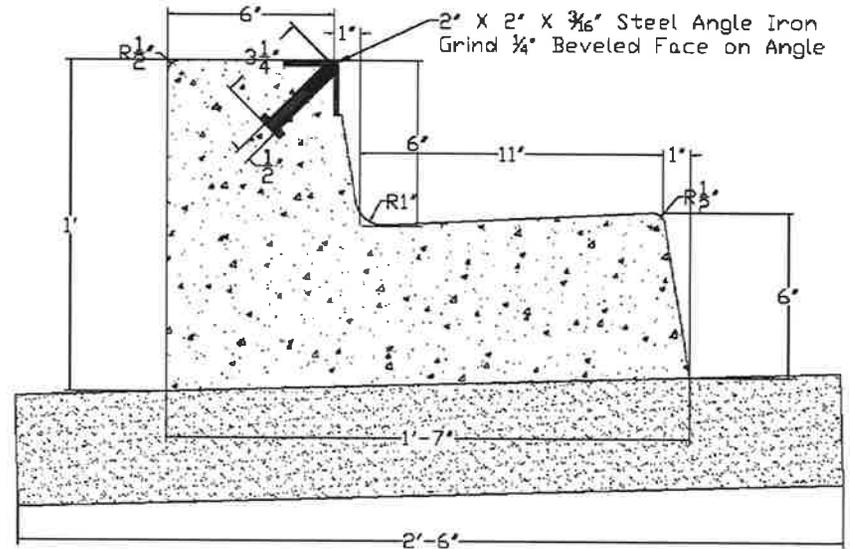
PROJECT: **City of Sandpoint
Standard Drawings**

DRAWN: BWR	CHECKED :	DATE : 12/14/06	SHT. 1 OF 1
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CITY OF SANDPOINT
PUBLIC WORKS



19" Curb & Gutter

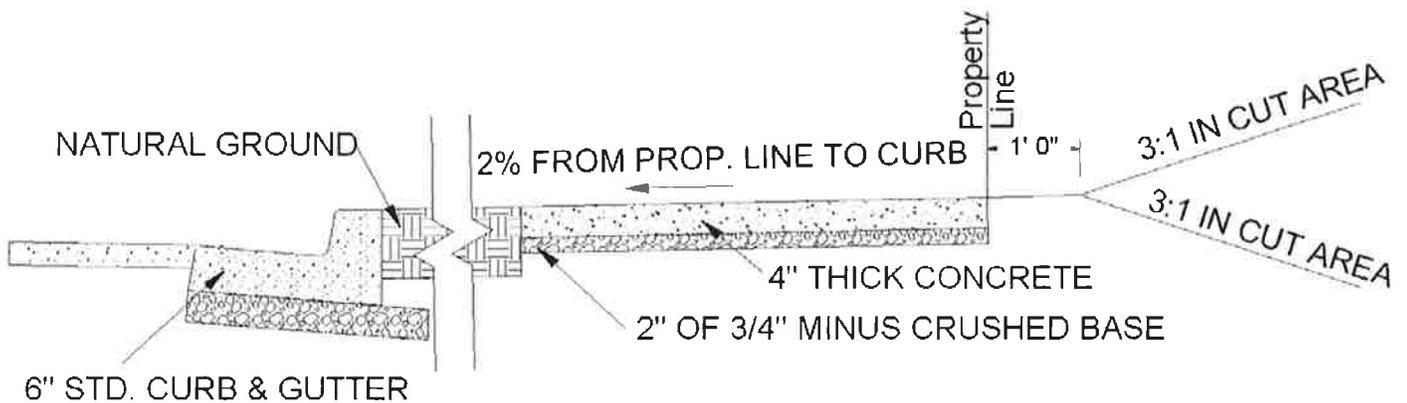
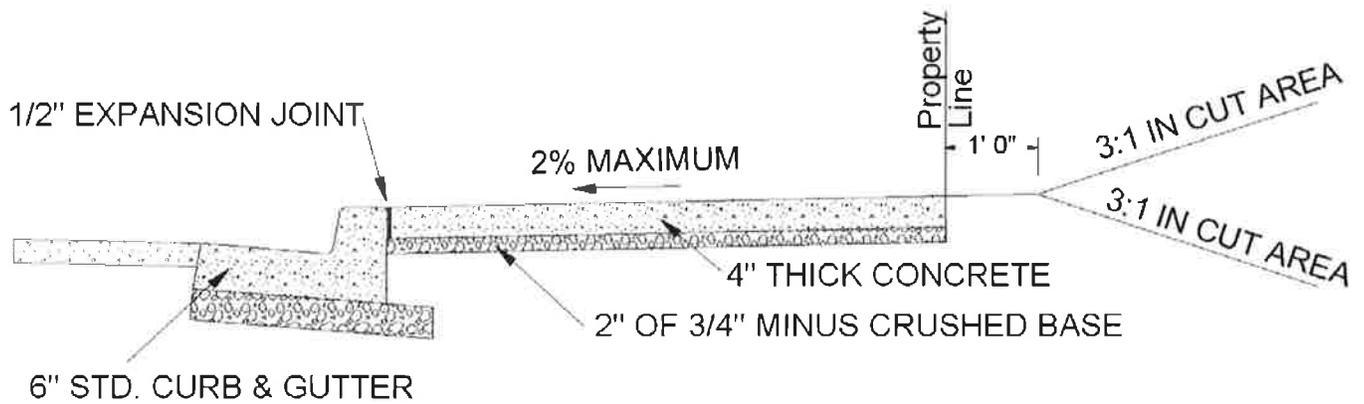


Armored Curb & Gutter

Notes:

1. Grade and alignment to be approved by the engineer and the City of Sandpoint
2. Base 4" of 3/4 minus crushed aggregate compacted to 95% of standard proctor
3. Base shall be a min. width of 2'6" to grade prior to setting forms
4. 1/2" preformed expansion joint material at terminal points of Radii
5. Continuous placement preferred, score at 10' intervals max. (8' with sidewalk)
6. Materials and construction in compliance with ISPWC
7. Backfill as per ISPWC section 706
8. Gutter counterslope max. 5% (1/2" per foot) at pedestrian ramps
9. Concrete anchors for steel angle @ 18" OC and 3' from ends
10. Steel angle 2" X 2" X 3/16" rolled to 20' concave or convex radius as required
11. Steel angle welded into one continuous piece prior to pouring concrete
12. Steel angle cleaned to be free from rust or scale prior to installation. No paint or galvanizing required.

Project:	Sandpoint Standard Drawings	City of Sandpoint	Date 2/13/13
Sheet Title:	Curb & Gutter	1123 Lake St	Revision
		Sandpoint, ID B3864	
		PW Dept (208) 255-1877	Drawn by BWR



1. LOCATION, GRADE AND WIDTH TO BE ESTABLISHED BY THE CITY
2. BASE TO BE COMPACTED TO EXCEED 95% OF STANDARD DENSITY
3. SLOPE SIDEWALK TOWARD STREET NOT TO EXCEED 1/4" PER FOOT (0.02 FT)
4. SCORE AT INTERVALS NOT TO EXCEED 5 FOOT SPACING
5. THROUGH JOINTS WITH 1/2" PREFORMED BITUMINOUS JOINT AT 20' INTERVALS
6. 1/2" TRAVERSE PREFORMED BITUMINOUS JOINTS AT TERMINOUS POINTS FOR CURVE AND WHERE SIDEWALK IS PLACED NEXT TO PERMANENT FOUNDATION OR CURB
7. MATERIALS AND CONSTRUCTION PER CITY STANDARDS

SHEET TITLE:

SIDEWALK CROSS SECTIONS

PROJECT: CITY OF SANDPOINT
STANDARRD DRAWINGS

DRAWN: BWR	CHECKED :	DATE : 12/21/06	SHT. 1 OF 1
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CITY OF SANDPOINT
PUBLIC WORKS