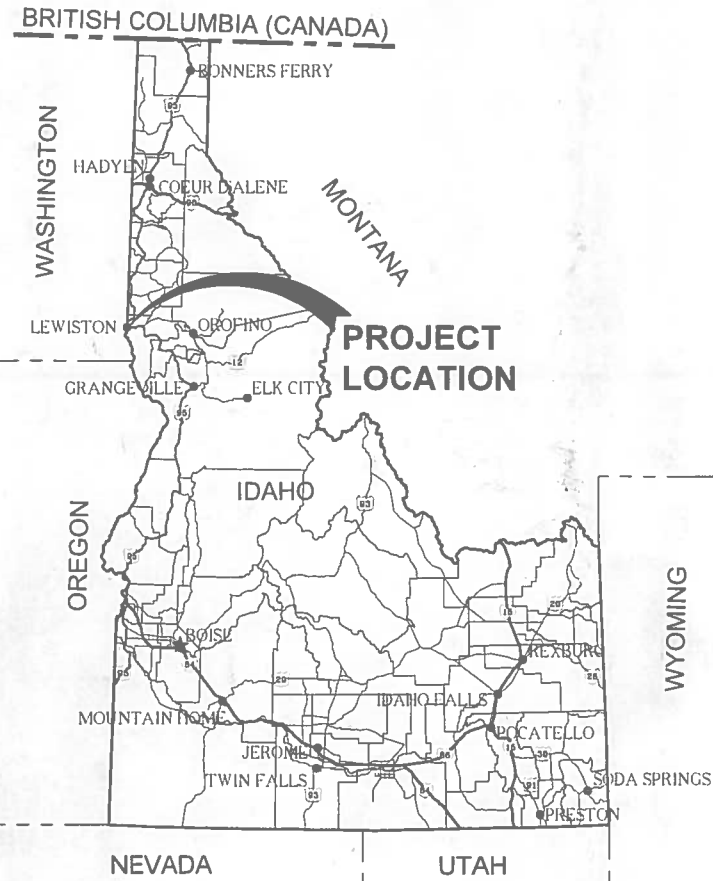
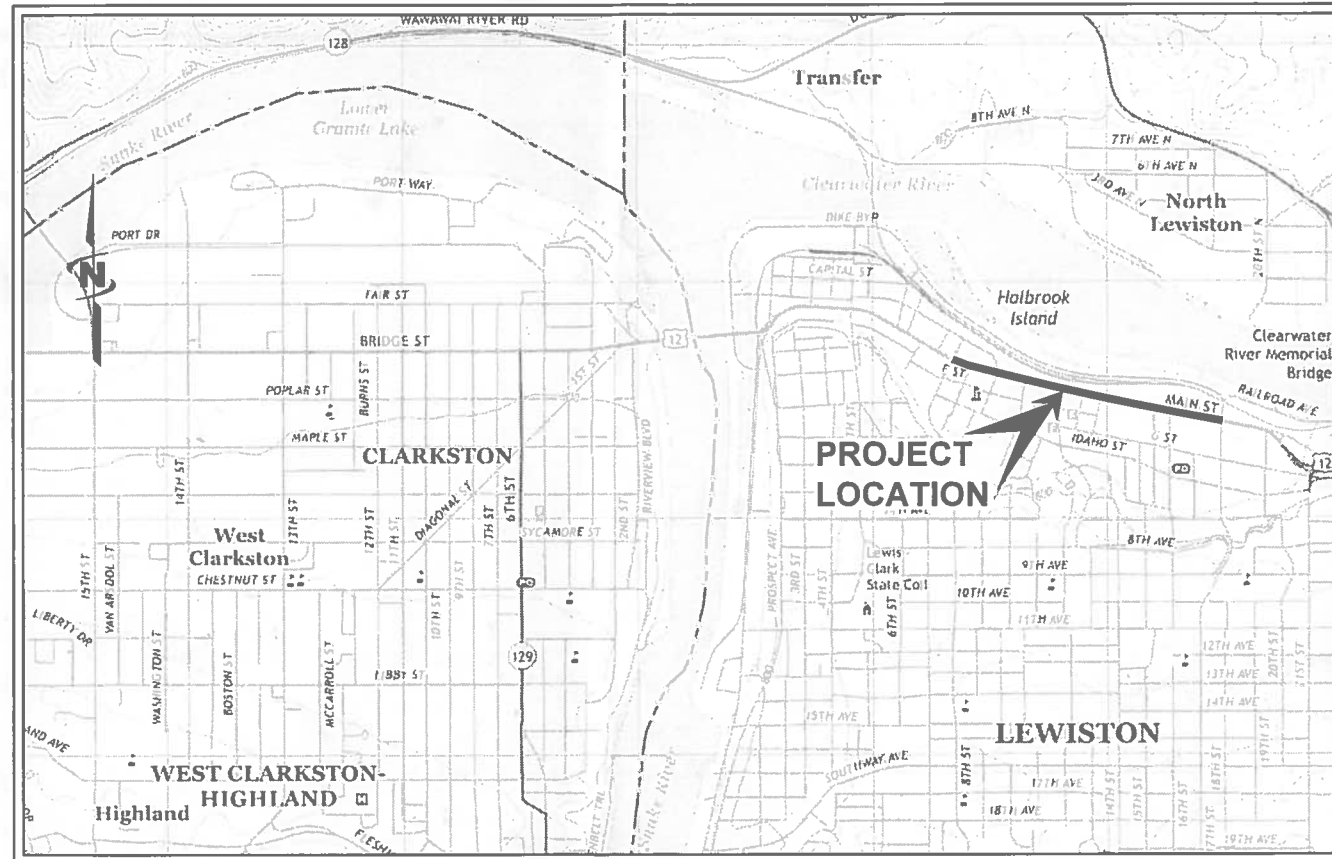


MAIN STREET WATER LINE 9TH TO 18TH CITY OF LEWISTON, IDAHO APRIL 2019



LOCATION MAP
NOT TO SCALE



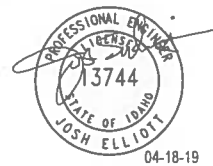
AREA MAP

CITY OF LEWISTON
PUBLIC WORKS DEPARTMENT
215 D STREET, SUITE B
LEWISTON, ID 83501-1930

AGENCY TELEPHONE NUMBERS

PUBLIC WORKS DEPARTMENT.....	(208) 746-1316
STREETS/TRAFFIC.....	(208) 791-2311
WASTEWATER (CITY).....	(208) 791-0986
WATER (CITY).....	(208) 790-1712
AVISTA UTILITIES.....	(208) 798-1473
CABLEONE.....	(208) 746-3325
CENTURYLINK.....	(208) 798-8380
DIGLINE.....	811

Pkg Date: 4/18/2019 N:\GIS\FILES\PROJECTS\SUB23-18-051 - MAIN ST WATER LINE\CAD\SHSHEET21-18-051_G-001X.DWG



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CALL 3 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

SYMBOL LEGEND

LINE LEGEND

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
SURVEY		
CAP (ALUMINUM)	⊕	
CAP (BRASS)	⊙	
CHISELED X	⊗	
CTRL PT GENERIC	△	
CTRL PT 1/2" REBAR	△ 1/2" PH CONTROL PT	
CTRL PT 3/8" REBAR	△ 3/8" PH CONTROL PT	
CTRL PT 60D NAIL	△ 60D	
CTRL PT HUB & TACK	△ HT	
CTRL PT PK NAIL	△ PK	
CTRL PT TEMP BENCH MARK	△ TBW	
NAIL	○	○
NAIL AND TAG	○ W/T	
NAIL (PK)	○ PK	
BOLT	●	
DRILL STEEL	○	
REBAR (1/2")	—	●
REBAR (3/8")	—	●
STAINLESS STEEL ROD	⊙	
IRON PIPE	●	
RAILROAD SPIKE	◇	
R/W MONUMENT	⊗	
STONE	⊕	
SECTION CORNER. MON.	22 15 21 16	
SECTION QUARTER MON.	15 22	
SITE		
BOLLARD	■	■
BOULDER	○	○
DRINKING FOUNTAIN	⊗	⊗
FLAGPOLE	⊙	⊙
GATE	⊕	⊕
MAIL BOX	⊗	⊗
PARKING METER	⊗	⊗
POST	○	○
SIGN	⊕	⊕
SPOT ELEVATION	⊙	⊙
TREE (SHRUB)	⊙	⊙
TREE (STUMP)	⊕	⊕
TREE (CONIFEROUS)	⊙	⊙
TREE (DECIDUOUS)	⊙	⊙
TEST HOLE	⊕	⊕
WELL	⊕	⊕
WELL (MONITORING)	⊕	⊕

SYMBOL DESCRIPTION	EXISTING SYMBOL	PROPOSED SYMBOL
UTILITIES		
MANHOLE (GENERIC)	○	●
PRESSURE CLEAN OUT AT GRADE	⊙	⊙
THRUST BLOCK	⊕	⊕
VAULT	⊕	⊕
COMMUNICATION		
TELE. MANHOLE	⊙	●
TELE. PEDASTAL	⊕	⊕
TELE. POLE	⊕	⊕
TV PEDASTAL	⊕	⊕
GUY WIRE	⊕	⊕
DOMESTIC WATER		
FIRE HYDRANT	⊕	⊕
SPIGOT	⊕	⊕
YARD HYDRANT	⊕	⊕
WATER MANHOLE	⊙	●
WATER METER	⊕	⊕
WATER VALVE	⊕	⊕
ELECTRIC		
ELEC. MANHOLE	⊙	●
ELEC. METER	⊕	⊕
ELEC. TRANS.	⊕	⊕
JUNCTION BOX	⊕	⊕
POWER POLE	⊕	⊕
POWER STUB	⊕	⊕
STREET LIGHT	⊕	⊕
TRAFFIC SIGNAL POLE	⊕	⊕
IRRIGATION		
IRRIGATION VALVE	⊕	⊕
IRRIGATION VALVE BOX	⊕	⊕
SPRINKLER	⊕	⊕
NATURAL GAS		
GAS METER	⊕	⊕
GAS VALVE	⊕	⊕
SANITARY SEWER		
CLEANOUT	⊕	⊕
SEWER STUB	⊕	⊕
SS MANHOLE	⊕	⊕
STORM DRAIN		
CATCH BASIN	⊕	⊕
DRY WELL	⊕	⊕
FLARE END	⊕	⊕
GREASE TRAP	⊕	⊕
SD MANHOLE	⊕	⊕

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
BOUNDARY		
PROPERTY LINE	— P/L —	— P/L —
PROPERTY LINE	— — — —	— — — —
RIGHT OF WAY	— R/W —	— R/W —
TEMPORARY EASEMENT	— T/E —	— T/E —
PERMANENT EASEMENT	— P/E —	— P/E —
TOWNSHIP AND RANGE	— — — —	— — — —
SECTION LINE	— — — —	— — — —
QUARTER SECTION LINE	— — — —	— — — —
1/16 SECTION LINE	— — — —	— — — —
STATE LINE	— — — —	— — — —
COUNTY LINE	— — — —	— — — —

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
SITE		
FENCE	— X —	— X —
MAJOR CONTOUR	— 2521 —	— — — —
MINOR CONTOUR	— — — —	— — — —
GRADE BREAK	— — — —	— GB —
TOP OF BANK	— — — —	— TOB —
TOE OF SLOPE	— — — —	— TOE —
CUT LIMITS	— — — —	— — — —
FILL LIMITS	— — — —	— — — —
DITCH	— — — —	— — — —
STORM SWALE	— — — —	— — — —
EDGE OF WATER	— — — —	— — — —
HIGH WATER	— — — —	— — — —
WETLAND	— — — —	— WET —
WETLAND BOG	— — — —	— BOG —
WETLAND MARSH	— — — —	— MRSH —
WETLAND SWAMP	— — — —	— SWMP —

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
ROADWAY		
ROAD SHOULDER	— — — —	— — — —
ROAD CENTERLINE	— — — —	— — — —
ROAD ASPHALT	— — — —	— EP —
ROAD GRAVEL	— — — —	— EG —
TOP BACK OF CURB	— — — —	— — — —
LIP OF GUTTER	— — — —	— — — —
LANDSCAPING LIMITS	— LS —	— LS —

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
POWER / COMMUNICATIONS		
OVERHEAD POWER	— OHP —	— OHP —
UNDERGROUND POWER	— UP —	— UP —
OVERHEAD TELEPHONE	— OHT —	— OHT —
UNDERGROUND TELEPHONE	— UT —	— UT —
FIBER OPTIC	— F/O —	— F/O —
CABLE TELEVISION	— CTV —	— CTV —
UNDERGROUND POWER, TEL, CABLE TV	— — — —	— P.T.CTV —
UNDERGROUND POWER, TEL, CABLE TV, GAS	— — — —	— P.T.CTV.G —

LINE DESCRIPTION	PROPOSED LINE	EXISTING LINE
IRRIGATION		
IRRIGATION	— IRR —	— IRR —
GRAVITY IRRIGATION	— GIRR —	— GIRR —
PRESSURE IRRIGATION	— PIRR —	— PIRR —
POTABLE WATER	— PW —	— PW —
NON-POTABLE WATER	— NPW —	— NPW —
GAS		
NATURAL GAS	— G —	— G —
NATURAL GAS SERVICE	— G — G —	— G — G —
HIGH PRESSURE GAS	— HPG —	— HPG —
LIQUID GAS	— LG —	— LG —
STORM DRAIN		
STORM DRAIN (GENERAL)	— SD —	— SD —
STORM DRAIN	— X*SD —	— X*SD —
ROOF DRAIN	— RD —	— RD —
SANITARY SEWER		
SANITARY SEWER (GENERAL)	— SS —	— SS —
SANITARY SEWER	— X*SS —	— X*SS —
SANITARY SEWER SERVICE	— SS — SS —	— SS — SS —
SEWER FORCE MAIN	— FM —	— FM —
WATER		
WATER (GENERAL)	— W —	— W —
WATER (SPECIFIED SIZE)	— X*W —	— X*W —
WATER SERVICE	— WS — WS —	— WS — WS —

ABBREVIATIONS	
APPROX	APPROXIMATE
ASP	ASPHALT
ASSY	ASSEMBLY
>	ANGLE
⊙	AT (MEASUREMENTS)
BLDG	BUILDING
BM	BENCH MARK
BSW	BACK OF SIDEWALK
BW	BOTH WAYS
C/L	CENTER LINE
CI	CAST IRON
CL350	CLASS 350
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
CONT	CONTINUOUS
CPLG	COUPLING
CU FT	CUBIC FEET
CU YD	CUBIC YARD
DEG OR °	DEGREE
DET	DETAIL
DIA OR Ø	DIAMETER
DI	DUCTILE IRON PIPE
DIST	DISTRIBUTION
DWG	DRAWING
E	EASTING
EA	EACH
EG	EXISTING GROUND
ELB	ELBOW
ELEV	ELEVATION
EW	EACH WAY
EXIST	EXISTING
FG	FINISH GRADE
FH	FIRE HYDRANT
FLG	FLANGE
FO	FIBER OPTIC
FT OR '	FEET
G	GAS
GALV	GALVANIZED
GV	GATE VALVE
HORIZ	HORIZONTAL

ID	INSIDE DIAMETER
ITD	IDAHO TRANSPORTATION DEPARTMENT
INV	INVERT
ISPWC	IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION
IN OR "	INCH
LB OR #	POUND
LF	LINEAL FEET
LN	LINEAL
MAX	MAXIMUM
MIN	MINIMUM
MJ	MECHANICAL JOINT
N	NORTHING
NO OR #	NUMBER
NTP	NOTICE TO PROCEED
PE	POLYETHYLENE
PVC	POLYVINYL-CHLORIDE
REM	REMOVE
REQ'D	REQUIRED
REV	REVISION
R/W OR ROW	RIGHT-OF-WAY
S	SLOPE
SCH	SCHEDULE
SD	STORM DRAIN
SPEC	SPECIFICATION
STA	STATION
STD	STANDARD
SS	SANITARY SEWER OR SERVICE
SSMH	SANITARY SEWER MANHOLE
SST	STAINLESS STEEL
SY	SQUARE YARD
S/W	SIDEWALK
TBC	TOP BACK OF CURB
T/E	TEMPORARY CONSTRUCTION EASEMENT
TYP	TYPICAL
TFC	TOP FACE OF CONCRETE
W	WATER
WS	WATER SERVICE
W/	WITH
W/O	WITHOUT
W/REQ'D	WHERE REQUIRED

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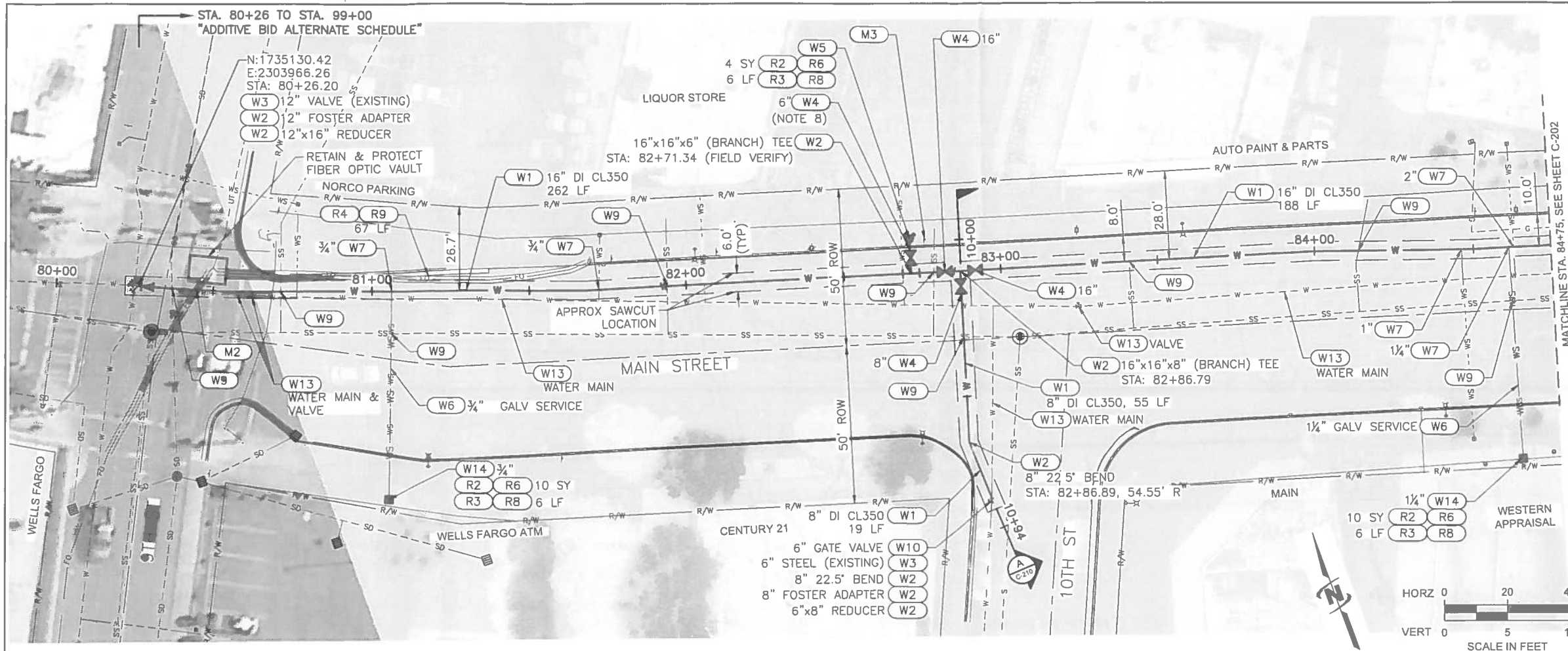
NO.	REVISION	DESCRIPTION	BY	DATE

**MAIN STREET WATER LINE - 9TH TO 18TH
CITY OF LEWISTON, IDAHO**

LEGEND, ABBREVIATIONS AND SYMBOLS

FILE 21-18-051_G-001X
JUB PROJ # 23-18-051
DRAWN BY JPE
DESIGN BY AB
CHECKED BY JPE
AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
LAST UPDATED 4/18/2019
SHEET NUMBER:
G-003

Plot Date: 4/18/2019 9:33 AM. Plotted By: Allen Beaman
Plot Path: C:\Users\Allen\OneDrive\Documents\2019\23-18-051 - MAIN ST WATER LINE\CD\PROJECTS\SUB023-18-051_G-001X.DWG



KEY NOTES:

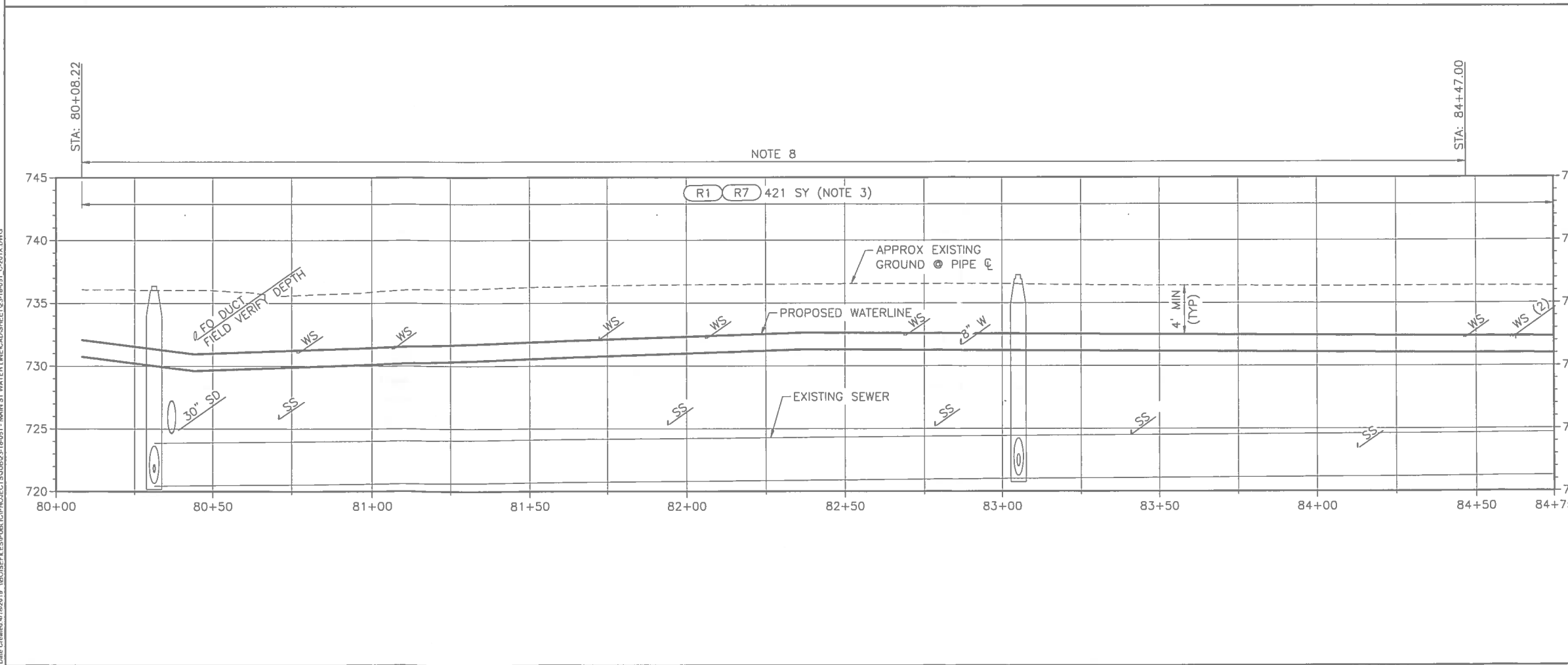
KEY NOTE	DESCRIPTION
WATER UTILITY KEY NOTES (SCH B PAY ITEMS)	
W1	WATER MAIN PIPE
W2	WATER FITTING
W3	CONNECT TO EXISTING
W4	GATE VALVE
W5	HYDRANT
W6	REMOVE AND REPLACE
W7	WATER SERVICE CONNECTION
W8	FIRE SERVICE CONNECTION
W9	NON-POTABLE WATERLINE SEPARATION (INCIDENTAL)
W10	REMOVE
W11	REMOVE AND REPLACE VALVE
W12	WATER MAIN SLEEVE
W13	ABANDON
W14	WATER METER
SEWER KEY NOTES (SCH B PAY ITEMS)	
S1	REMOVE AND REPLACE SANITARY SEWER
S2	CONNECT TO EXISTING SANITARY SEWER
S3	BYPASS SEWAGE PUMPING
SURFACE REPAIR KEY NOTES (SCH A PAY ITEMS)	
R1	MAIN LINE TYPE "P" SURFACE RESTORATION (ASPHALT ROADWAY)
R2	CONCRETE SIDEWALK, 4" THICKNESS.
R3	STANDARD 6 INCH VERTICAL CURB (NO GUTTER)
R4	STANDARD 6 INCH VERTICAL CURB AND GUTTER
R5	MOUNTABLE VERTICAL CURB (NO GUTTER)
R6	REMOVAL OF CONCRETE SIDEWALK
R7	REMOVAL OF PAVEMENT
R8	REMOVAL OF CURB (NO GUTTER)
R9	REMOVAL OF CURB AND GUTTER
MISCELLANEOUS KEY NOTES (SCH B PAY ITEMS)	
M1	POLE SUPPORT (INCIDENTAL)
M2	EXPLORATORY EXCAVATION
M3	REMOVE AND RESET SIGN

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15744
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NO.	REVISION	DESCRIPTION	DATE



- NOTES:**
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 - INCLUDES ALL ANTICIPATED WATER MAIN, AND SERVICE TRENCHING ON THIS PLAN SHEET.
 - THE HORIZONTAL SEPARATION OF THE WATER & NON-POTABLE MAINS SHALL BE A MINIMUM OF TEN FEET. WHERE IT IS NECESSARY FOR NON-POTABLE & POTABLE WATER TO CROSS EACH OTHER & THE NON-POTABLE LINE IS LESS THAN 18 INCHES BELOW OR ABOVE THE WATER MAIN, THE NON-POTABLE LINE CROSSING SHALL BE CONSTRUCTED OR SLEEVED WITH PVC PRESSURE PIPE CONFORMING TO AWWA C-900, FOR A DISTANCE OF 10' ON BOTH SIDES OF WATER LINE. ONE FULL LENGTH OF BOTH WATER MAIN & NON-POTABLE LINE SHALL BE CENTERED OVER THE CROSSING POINT SO THAT ALL JOINTS WILL BE AS FAR FROM THE CROSSING AS POSSIBLE. WHERE WITHIN 18-INCHES BELOW THE NON-POTABLE LINE, THE NON-POTABLE LINE MUST BE FULLY SUPPORTED THROUGH THE CROSSING TO PREVENT SETTLING. REFER ALSO TO DETAIL "H" SHEET C-210.
 - DEFLECT PIPE HORIZONTALLY AND VERTICALLY AT JOINTS TO INSTALL PIPE AS GENERALLY REQUIRED HEREIN. MAXIMUM JOINT DEFLECTION SHALL BE 5' OR LESS AS REQUIRED BY THE PIPE MANUFACTURER. TYPICALLY 3' FOR 16" AND 5' FOR 8".
 - ALL FITTINGS AND VALVES SHALL HAVE MJ JOINTS UNLESS MULTIPLE FITTINGS AND/OR VALVES ARE TOGETHER IN A SINGLE ASSEMBLY, IN WHICH CASE, COMMON JOINTS BETWEEN THEM SHALL BE FLANGED. MJ TO MJ CONNECTIONS SHALL INCLUDE A FOSTER ADAPTER IN BETWEEN. ALL FITTINGS SHALL BE FULLY RESTRAINED. NOTIFY THE ENGINEER IF ADDITIONAL HORIZONTAL OR VERTICAL FITTINGS ARE NECESSARY AND VERIFY THE REQUIRED RESTRAINED LENGTH PRIOR TO INSTALLATION.
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**MAIN STREET WATER LINE - 9TH TO 18TH
CITY OF LEWISTON, IDAHO**

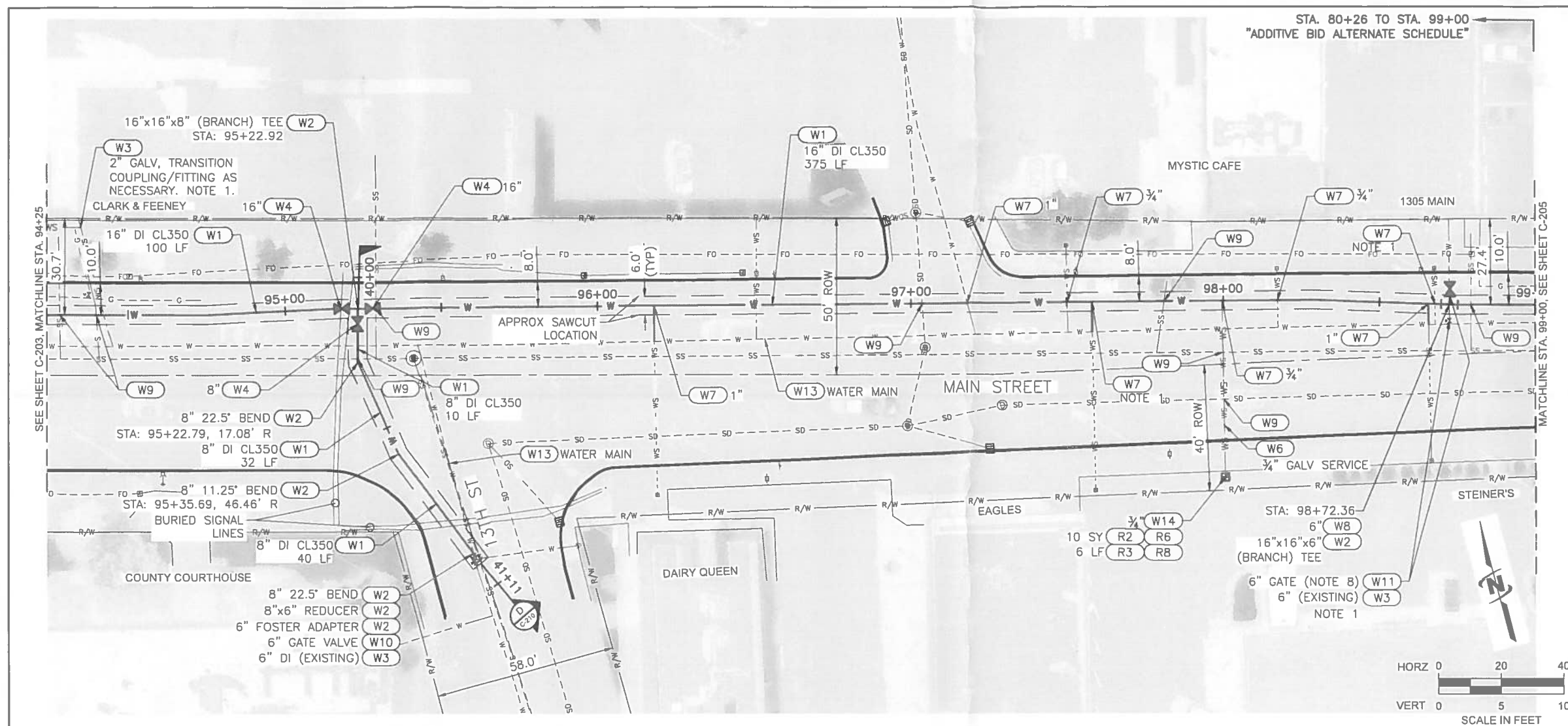
PLAN & PROFILE
(ADDITIVE BID ALTERNATE)

FILE: 23-18-051_C-201X
JUB PROJ. # 23-18-051
DRAWN BY: JPE
DESIGN BY: AS
CHECKED BY: JPE

ONE INCH
AT FULL SIZE, IF NOT ONE
INCH SCALE ACCORDINGLY
LAST UPDATED: 4/18/2019

SHEET NUMBER:
C-201

Plot Date: 4/18/2019 9:34 AM Plotted By: Allen Bealim
 Date Created: 4/18/2019 10:05:58 AM Project: C:\PROJECTS\23-18-051 - MAIN ST WATER LINE\CADD\SETUP\23-18-051_C-201X.DWG



STA. 80+26 TO STA. 99+00
"ADDITIVE BID ALTERNATE SCHEDULE"

KEY NOTES:

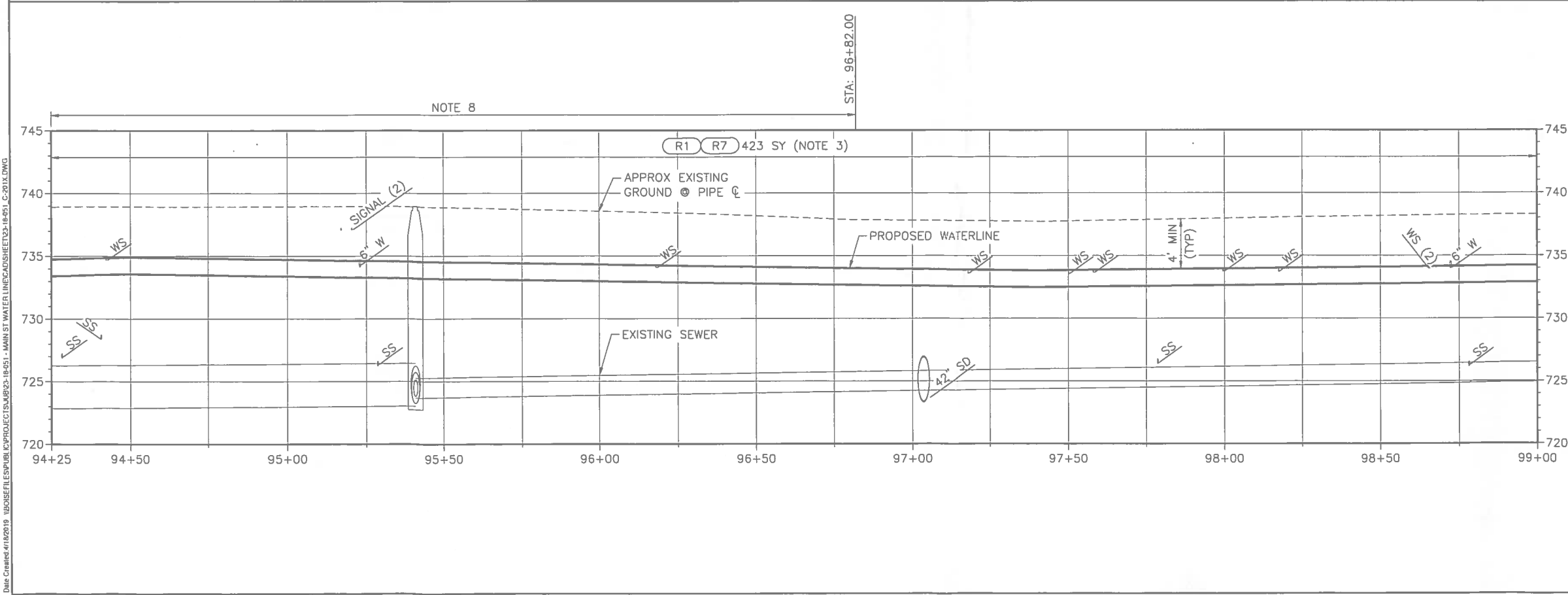
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REVISION

NO.	DESCRIPTION	DATE



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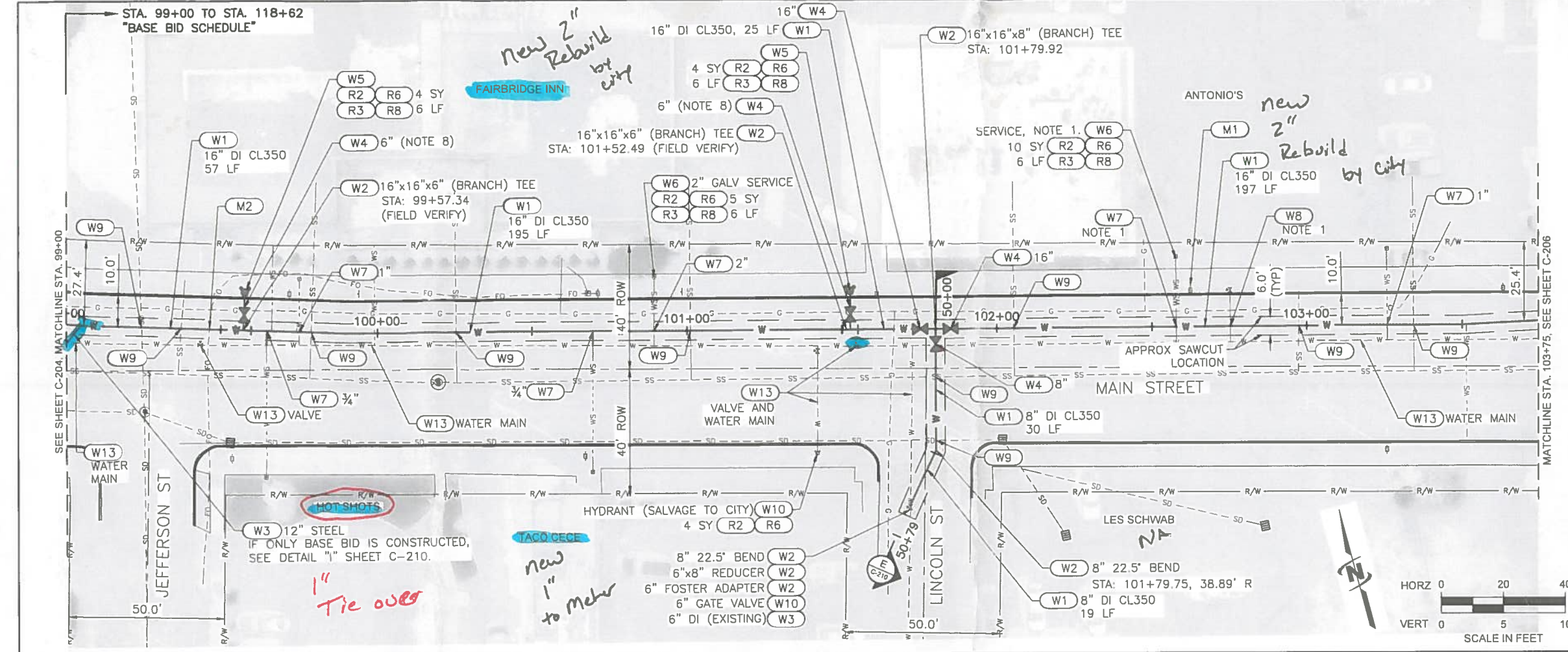
PLAN & PROFILE
(ADDITIVE BID ALTERNATE)

FILE 23-18-051_C-201X
JUB PROJ # 23-18-051
DRAWN BY: JPE
DESIGN BY: AB
CHECKED BY: JPE

ONE INCH
AT FULL SIZE IF NOT ONE
INCH SCALE ACCORDINGLY
LAST UPDATED: 4/18/2019

SHEET NUMBER:
C-204

Plot Date: 4/18/2019 9:34 AM, Plotted By: Allen Beaman
 Date Created: 4/18/2019 10:05:51 AM, Project: MAIN ST WATER LINE, C:\PROJECTS\23-18-051 - MAIN ST WATER LINE\CADD\SHEET\23-18-051_C-201X.DWG



KEY NOTES:

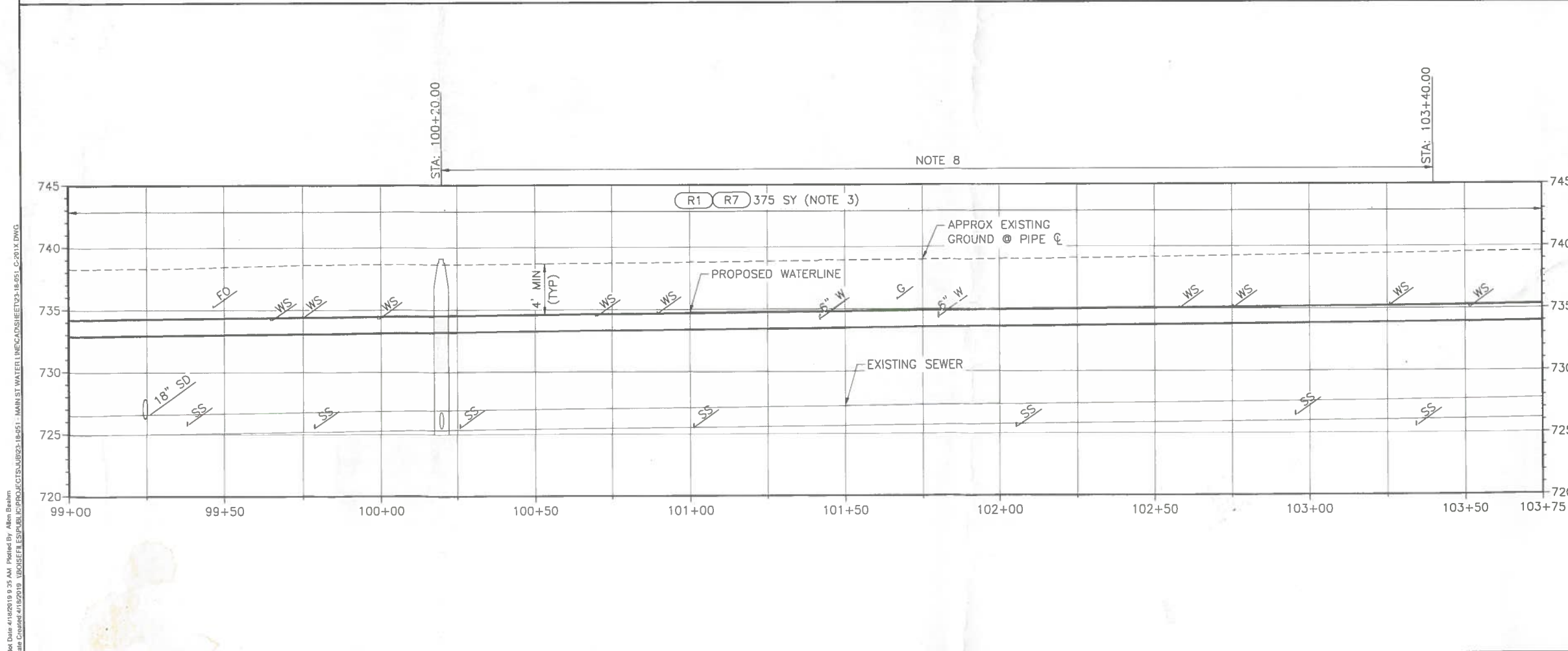
KEY NOTE	DESCRIPTION
WATER UTILITY KEY NOTES (SCH B PAY ITEMS)	
W1	WATER MAIN PIPE
W2	WATER FITTING
W3	CONNECT TO EXISTING
W4	GATE VALVE
W5	HYDRANT
W6	REMOVE AND REPLACE
W7	WATER SERVICE CONNECTION
W8	FIRE SERVICE CONNECTION
W9	NON-POTABLE WATERLINE SEPARATION (INCIDENTAL)
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W13	ABANDON
W14	WATER METER
SEWER KEY NOTES (SCH B PAY ITEMS)	
S1	REMOVE AND REPLACE SANITARY SEWER
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SURFACE REPAIR KEY NOTES (SCH A PAY ITEMS)	
R1	MAIN LINE TYPE "P" SURFACE RESTORATION (ASPHALT ROADWAY)
R2	CONCRETE SIDEWALK, 4" THICKNESS.
R3	STANDARD 6 INCH VERTICAL CURB (NO GUTTER)
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M1	POLE SUPPORT (INCIDENTAL)
M2	EXPLORATORY EXCAVATION
M3	REMOVE AND RESET SIGN

JUB ENGINEERS, INC.
 846 6th Street
 Clarkston, WA 99403
 Phone: 509.254.6011
 www.jub.com

PROFESSIONAL ENGINEER
 LICENSE NO. 13744
 STATE OF IDAHO
 JOSH ELLIOTT
 04-18-19

REUSE OF DRAWINGS: JUB SHALL RETAIN ALL COMMON LAW STATUTORY COPYRIGHT AND OTHER RESERVED RIGHTS OF THESE DRAWINGS AND THE SAME SHALL BE REUSED WITHOUT WRITTEN CONSENT BY JUB. ANY REUSE WITHOUT WRITTEN CONSENT BY JUB SHALL BE AT CLIENT'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO JUB.

NO.	DESCRIPTION	BY	DATE



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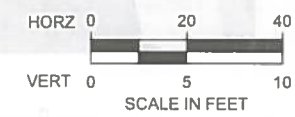
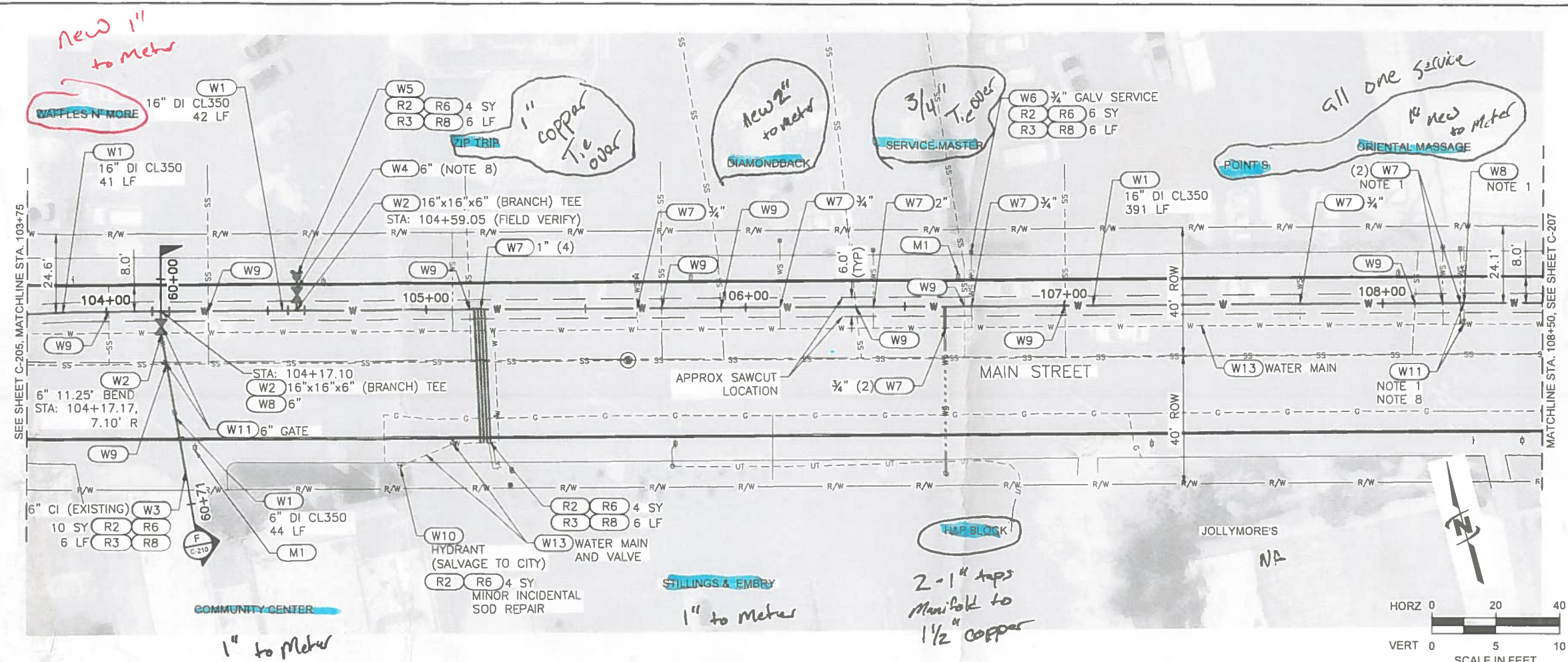
PLAN & PROFILE (BASE BID)

MAIN STREET WATER LINE - 9TH TO 18TH
CITY OF LEWISTON, IDAHO

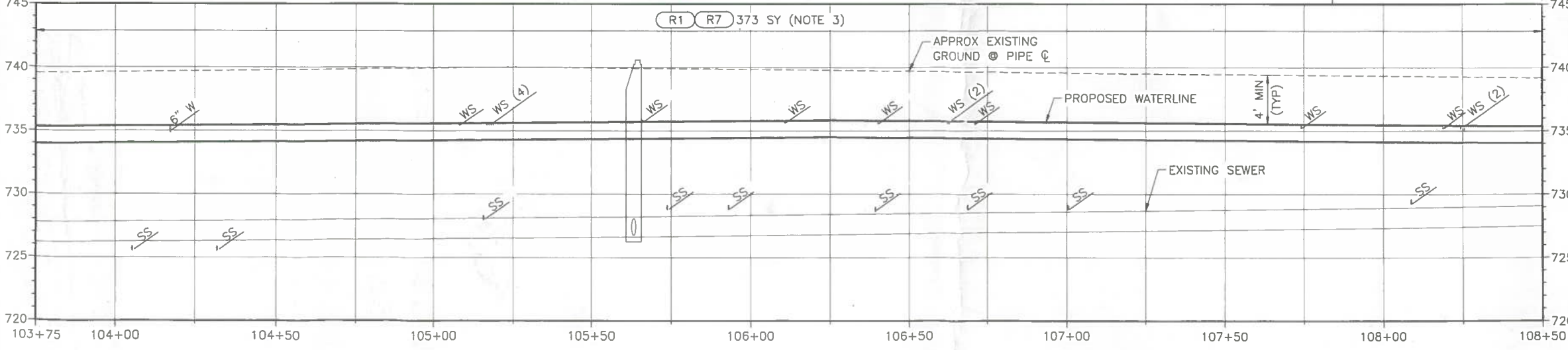
FILE: 23-18-051 C-201X
 JUB PROJ #: 23-18-051
 DRAWN BY: JPE
 DESIGN BY: AB
 CHECKED BY: JPE
 ONE INCH = 10 FEET
 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 4/18/2019
 SHEET NUMBER:
C-205

Plot Date: 4/18/2019 9:35 AM Plotted By: Allen Brashin
 Date Created: 4/18/2019 10:05:51 AM User: JPE
 PROJECT: MAIN ST WATER LINE CAD: SHEET: C-201X DWG

Plot Date: 4/18/2019 9:35 AM Plotted By: Allen Beaman
 Drawn: 4/18/2019 10:00 AM Drawn: JPE
 Project: 23-18-051 MAIN ST WATER LINE (C-201X)



Coffee Cow
 River City Espresso
 1\"/>



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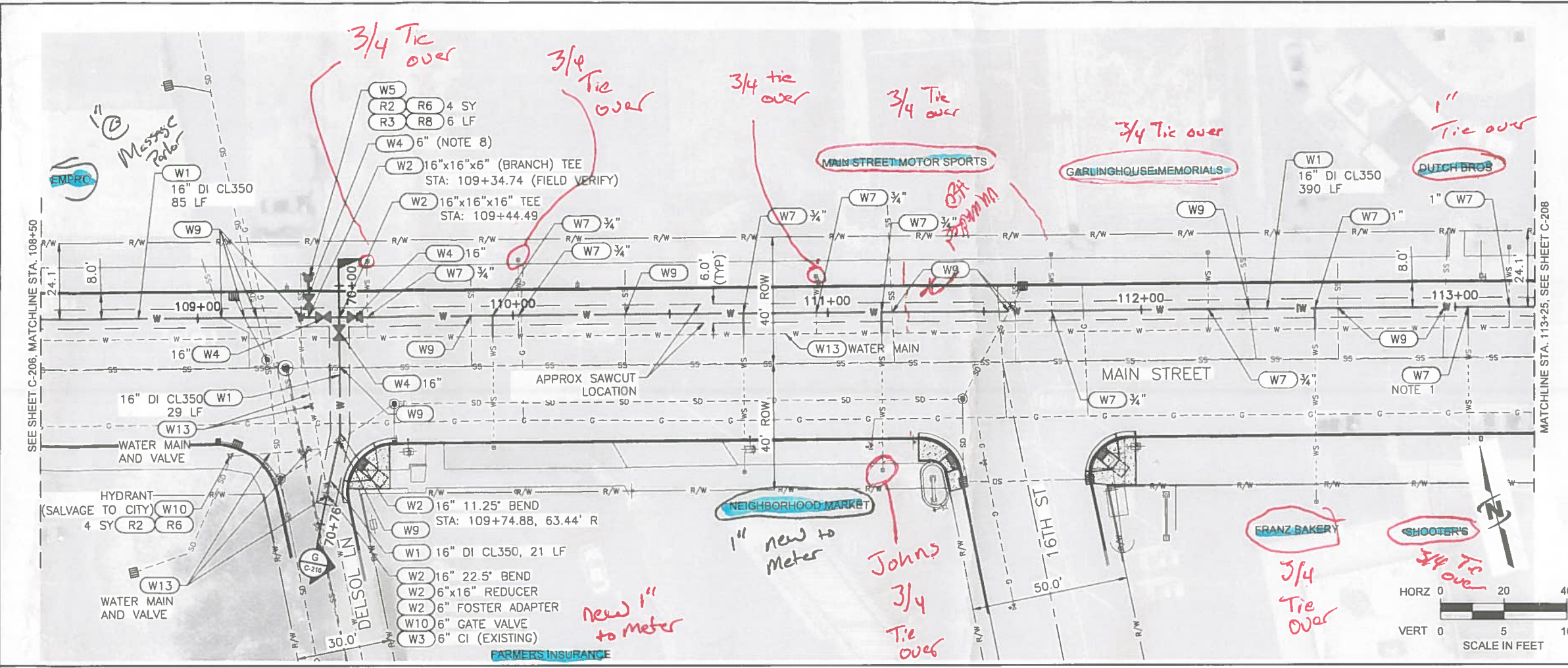
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 846 6th Street
 Clarkston, WA 99403
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NO.	REVISION	DATE

PLAN & PROFILE (BASE BID)

**MAIN STREET WATER LINE - 9TH TO 18TH
CITY OF LEWISTON, IDAHO**

FILE: 23-18-051_C-201X
 JUB PROJ #: 23-18-051
 DRAWN BY: JPE
 DESIGN BY: AB
 CHECKED BY: JPE
 AT FULL SIZE IF NOT ONE INCH SCALE ACCORDING TO LAST UPDATED: 4/18/2019
 SHEET NUMBER:
C-206



KEY NOTES:

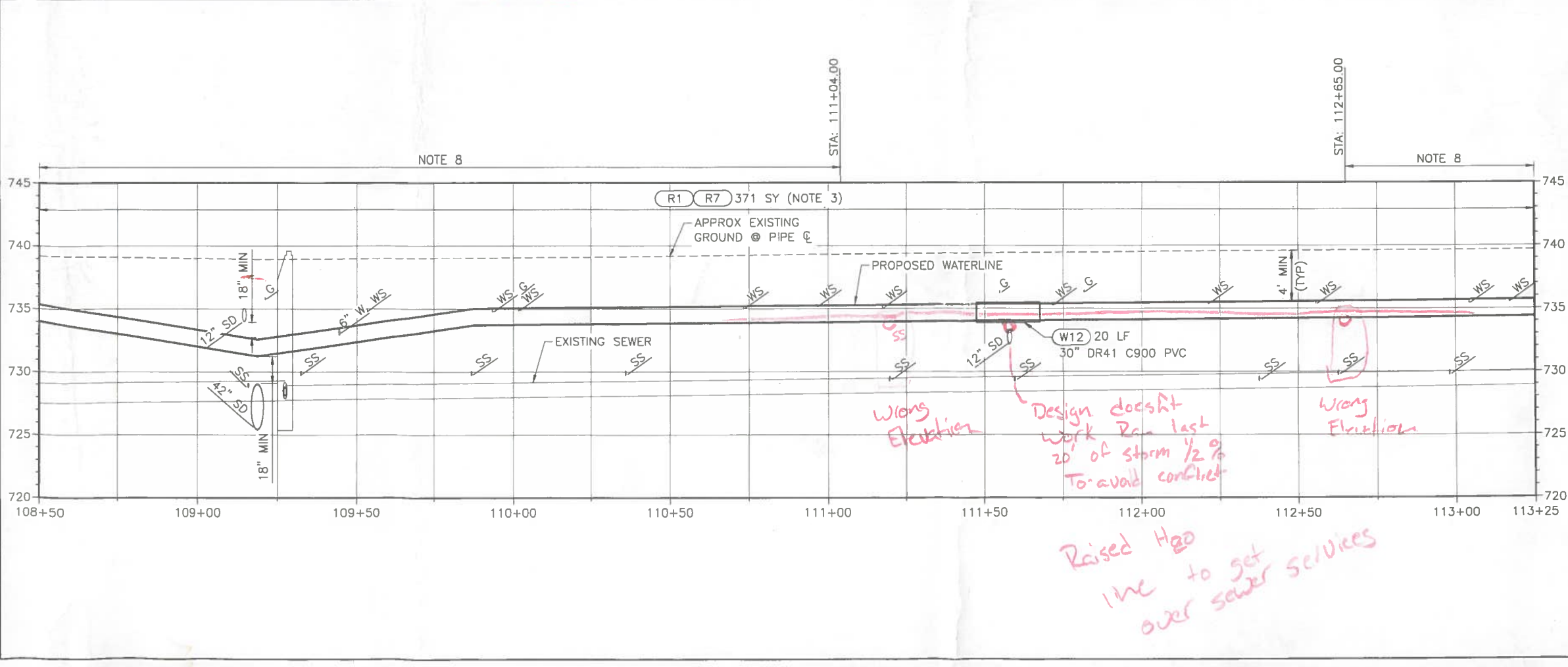
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PROFESSIONAL ENGINEER
JOSH ELLIOTT
15744
04-18-19

REVISION

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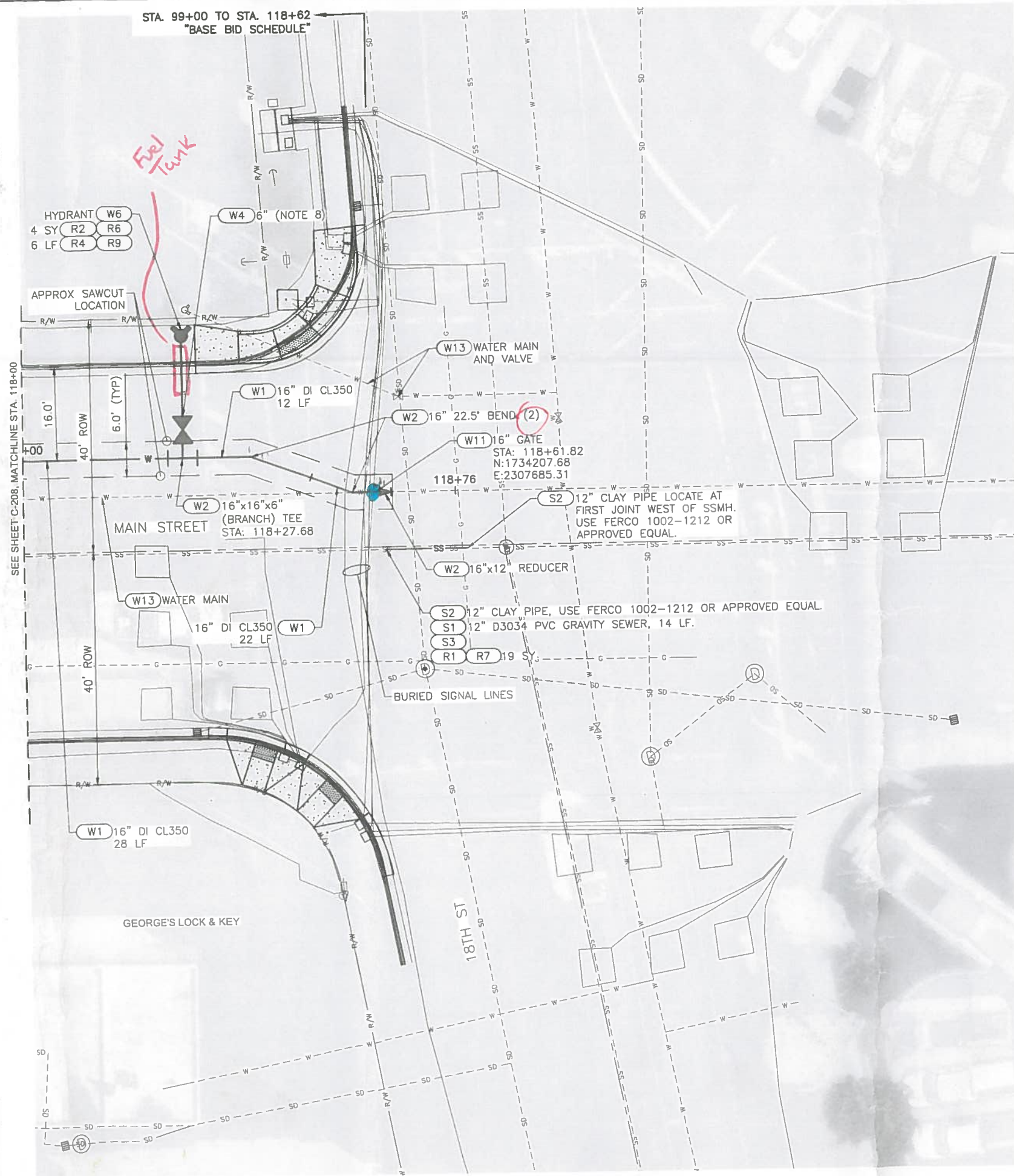
PLAN & PROFILE
(BASE BID)

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JUB PROJ.# 23-18-051
DRAWN BY: JPE
DESIGN BY: AB
CHECKED BY: JPE

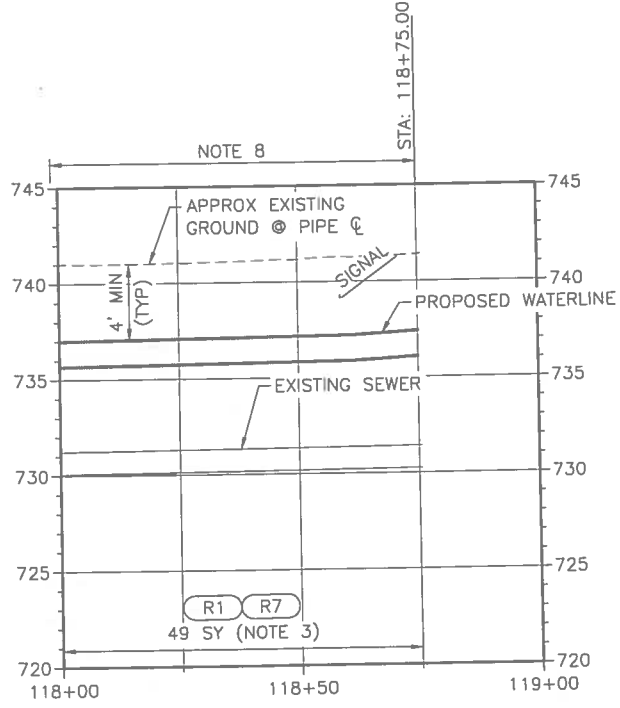
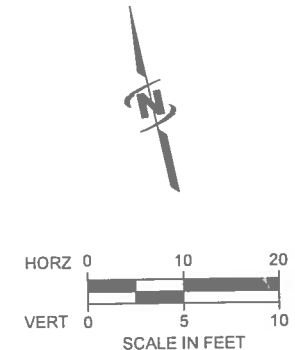
SHEET NUMBER:
C-207

Per Date: 4/18/2019 9:35 AM. Plotted by: Allen Beaman
 Date Created: 4/18/2019 10:05:17 AM. PLOT FILE: C:\PUB\PROJECTS\2019\23-18-051-C-201X.DWG

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2 22 1/2
 5 Mega Lugz
 12" Fl adapter
 16" Flans Reducer
 12" Romex
 Valve can



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PROFESSIONAL ENGINEER
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 STATE OF IDAHO
 JOSH ELLIOTT
 04-18-19

REVISIONS

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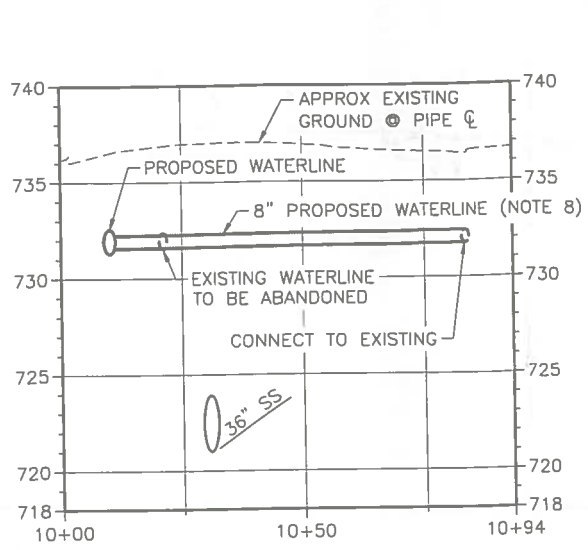
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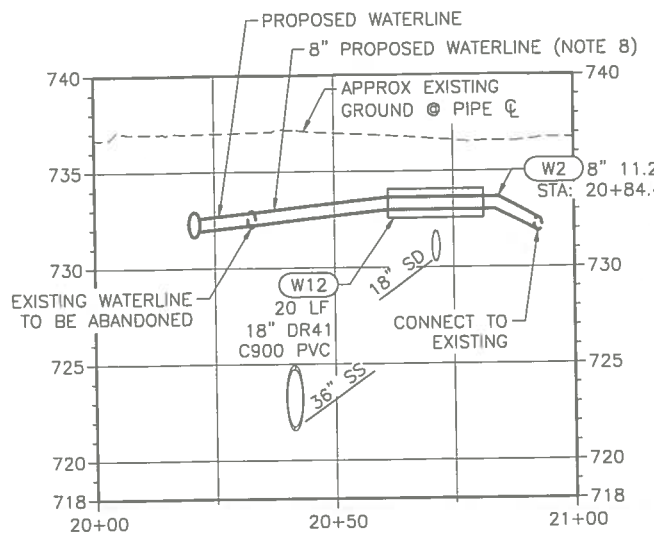
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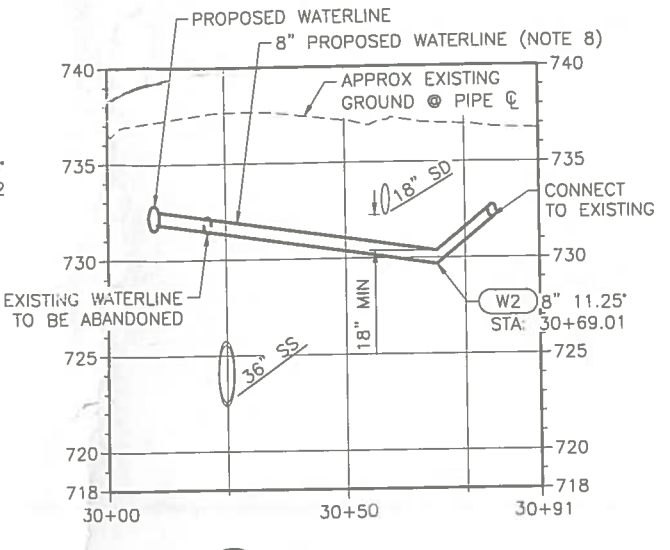
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- INCLUDES ALL ANTICIPATED WATER MAIN, AND SERVICE TRENCHING ON THIS PLAN SHEET.
- THE HORIZONTAL SEPARATION OF THE WATER & NON-POTABLE MAINS SHALL BE A MINIMUM OF TEN FEET. WHERE IT IS NECESSARY FOR NON-POTABLE & POTABLE WATER TO CROSS EACH OTHER & THE NON-POTABLE LINE IS LESS THAN 18 INCHES BELOW OR ABOVE THE WATER MAIN, THE NON-POTABLE LINE CROSSING SHALL BE CONSTRUCTED OR SLEEVED WITH PVC PRESSURE PIPE CONFORMING TO AWWA C-900, FOR A DISTANCE OF 10' ON BOTH SIDES OF WATER LINE. ONE FULL LENGTH OF BOTH WATER MAIN & NON-POTABLE LINE SHALL BE CENTERED OVER THE CROSSING POINT SO THAT ALL JOINTS WILL BE AS FAR FROM THE CROSSING AS POSSIBLE. WHERE WITHIN 18-INCHES BELOW THE NON-POTABLE LINE, THE NON-POTABLE LINE MUST BE FULLY SUPPORTED THROUGH THE CROSSING TO PREVENT SETTLING. REFER ALSO TO DETAIL "H" SHEET C-210.
- DEFLECT PIPE HORIZONTALLY AND VERTICALLY AT JOINTS TO INSTALL PIPE AS GENERALLY REQUIRED HEREIN. MAXIMUM JOINT DEFLECTION SHALL BE 5' OR LESS AS REQUIRED BY THE PIPE MANUFACTURER. TYPICALLY 3' FOR 16" AND 5' FOR 8".
- ALL FITTINGS AND VALVES SHALL HAVE MJ JOINTS UNLESS MULTIPLE FITTINGS AND/OR VALVES ARE TOGETHER IN A SINGLE ASSEMBLY, IN WHICH CASE, COMMON JOINTS BETWEEN THEM SHALL BE FLANGED. MJ IN BETWEEN. ALL FITTINGS SHALL BE FULLY RESTRAINED. NOTIFY THE ENGINEER IF ADDITIONAL HORIZONTAL OR VERTICAL FITTINGS ARE NECESSARY AND VERIFY THE REQUIRED RESTRAINED LENGTH PRIOR TO INSTALLATION.
- SERVICES MAY NOT BE LOCATED WITHIN 3' OF A PIPE END OR CLOSER THAN 5' APART, HORIZONTALLY ALONG THE MAIN LINE.
- ALL JOINTS RESTRAINED. SEE TABLE 1 SHEET G-002.



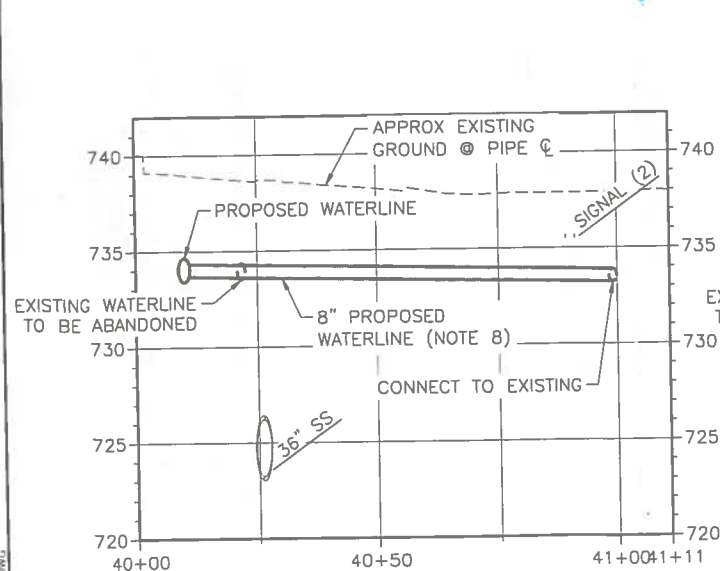
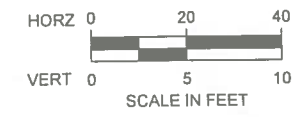
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C-201



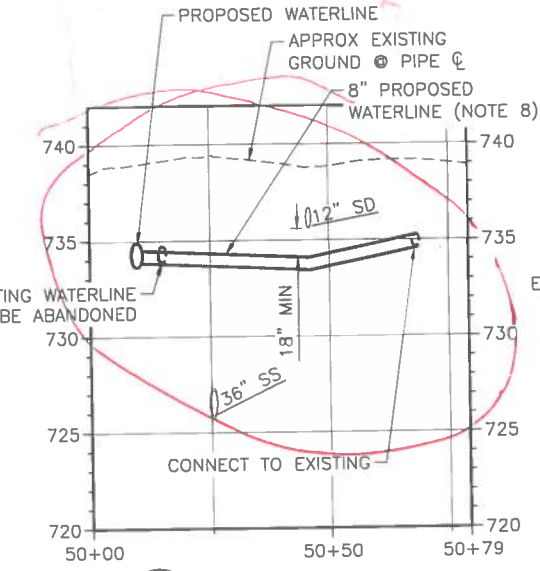
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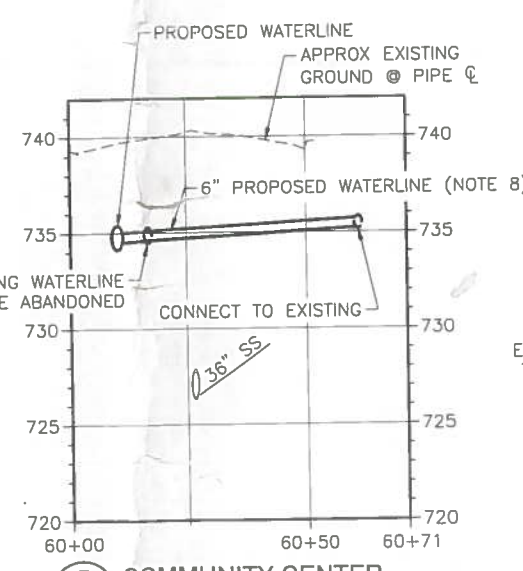
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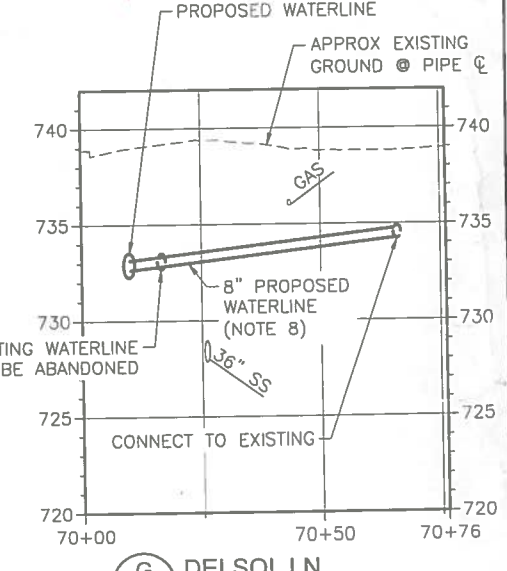
D 13TH ST
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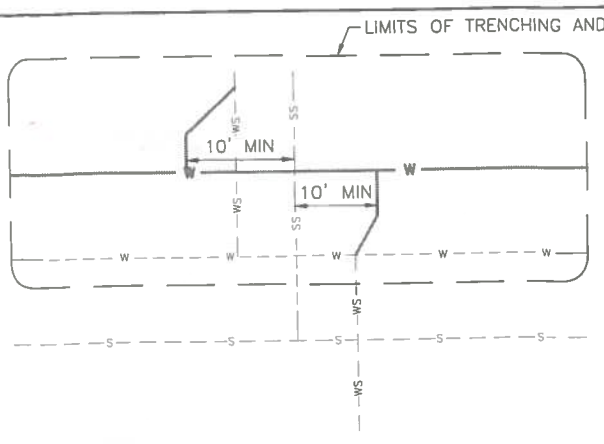
E LINCOLN ST
C-205



F COMMUNITY CENTER
C-206

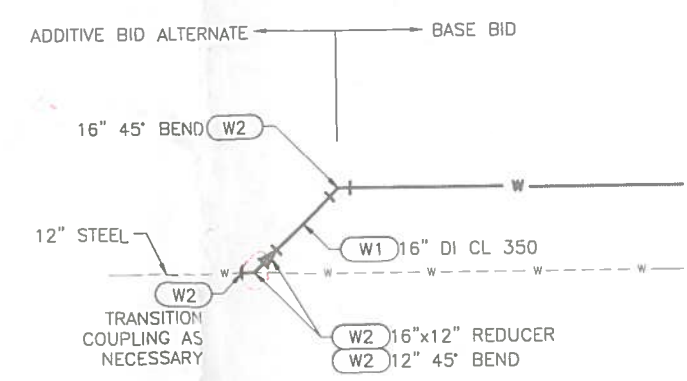


G DELSOL LN
C-207



H WATER SERVICE RELOCATION DETAIL
SCALE: NTS

- NOTES:**
- DETAIL IS SCHEMATIC.
 - AT LOCATIONS WITHIN LIMITS OF TRENCHING AND EXCAVATION, WHERE WATER AND SEWER SERVICES ARE LESS THAN 10' APART, RECONNECT THE NEW MAIN AT A LOCATION WITH A MINIMUM OF 10' CLEARANCE FROM THE SEWER SERVICE.
 - COSTS ASSOCIATED WITH THIS REQUIREMENT SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS.



I CONNECT TO EXISTING 12" STEEL (STA. 99+00)
C-205 SCALE: NTS

NOTE:
 TIE-IN TO EXISTING SYSTEM AT THIS LOCATION IS ONLY REQUIRED IF ADDITIVE BID ALTERNATE IS NOT CONSTRUCTED.

MAIN STREET WATER LINE - 9TH TO 18TH
 CITY OF LEWISTON, IDAHO

FILE: 23-18-051_C-210
 JUB PROJ #: 23-18-051
 DRAWN BY: JPE
 DESIGN BY: AB
 CHECKED BY: JPE

ONE INCH
 AT FULL SIZE IF NOT ONE INCH SCALE ACCORDINGLY
 LAST UPDATED: 4/17/2019

SHEET NUMBER:
C-210

Plot Date: 4/18/2019 9:30 AM. Printed By: Allen Duhan. Date Created: 3/21/2019. 8:05:56 PM. PROJECT: MAIN ST WATERLINE RELOCATION (SHEET) 23-18-051. C-210 (DWG)