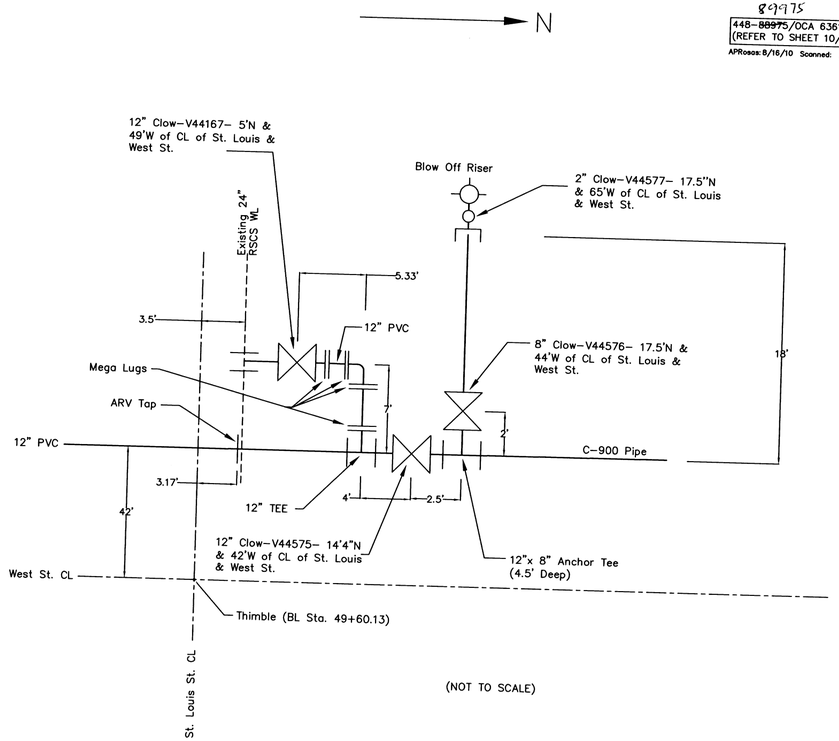
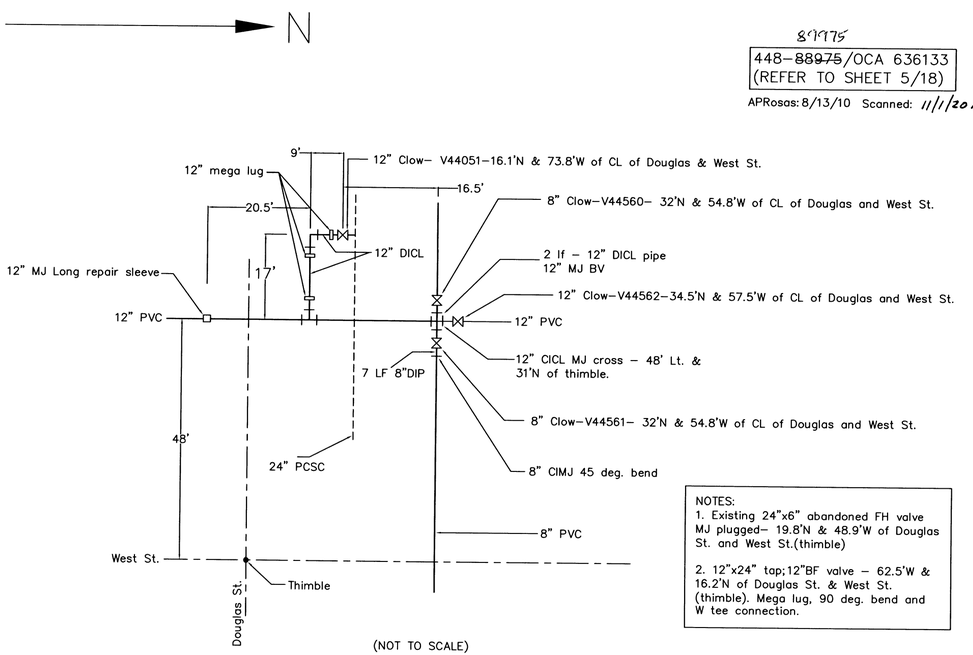
89975

448-~~88975~~/OCA 636133
(REFER TO SHEET 10/18)

APRoseo: 8/16/10 Scanned: 11/10/2010





NOTES:
1. Existing 24"x6" abandoned FH valve MJ plugged– 19.8'N & 48.9'W of Douglas St. and West St.(thimble)

2. 12"x24" tap;12"BF valve – 62.5'W & 16.2'N of Douglas St. & West St. (thimble). Mega lug, 90 deg. bend and W tee connection.

8/9975

448–~~88975~~/OCA 636133
(REFER TO SHEET 5/18)

APRosas: 8/13/10 Scanned: 11/1/2010

N

8-9175

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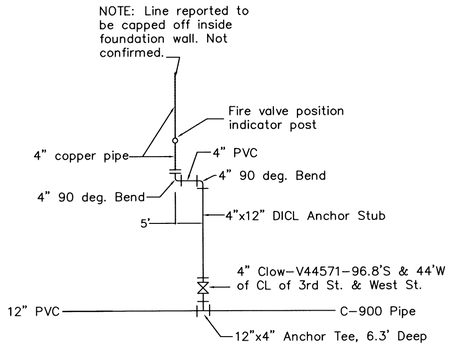
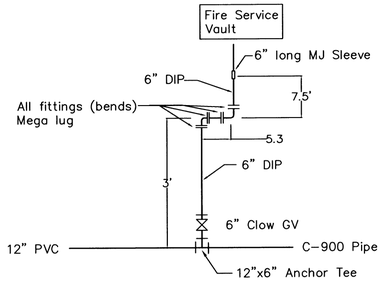
(REFER TO SHEET 8/18)

APRosas: 8/13/10 Scanned: 11/1/2010



AT&T Fire Service Valve (BL Sta. 42+02)
(NOT TO SCALE)



Mid-American Power Sports (MAP) Fire Service
(BL Sta. 42+02) (NOT TO SCALE)

N

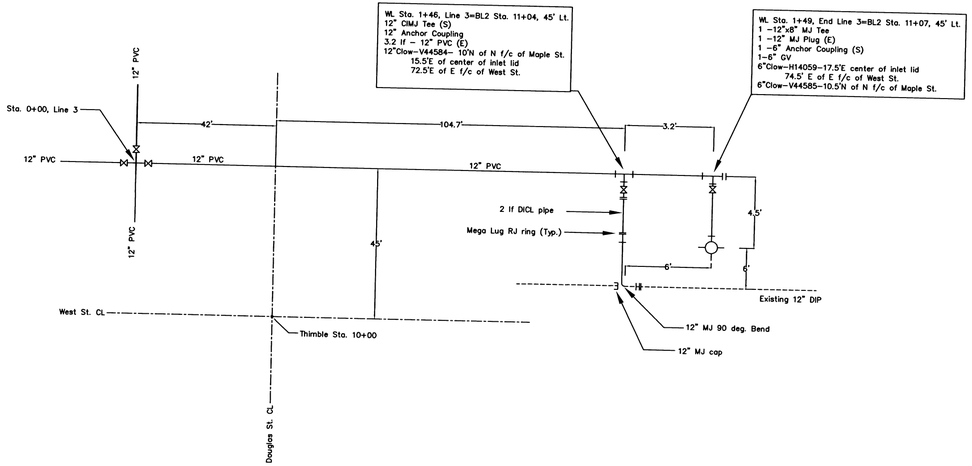
88975

448-~~88975~~/OCA 636133
(REFER TO SHEET 13/18)

APRosas: 8/16/10 Scanned: 11/1/2010

(NOT TO SCALE)

LINE 3 DETAIL



Project Name: West Water Main Replacement - Maple to Central
Project South of Maple to North of Central
Project 448-88975 OCA Number: 636133
Area Engr.: Steve Degenhardt
Inspector: Steve May

Revised 10/28/10

Valve Types:
GV - Gate Valve BF - Butterfly Valve BOGV - Blowoff Gate Valve FHGV - Fire Hydrant Gate Valve

Abbreviations Used:
W - West E - East N - North S - South CF - Curb Face CL - Center Line
PL - Property Line SWS - Storm Water Sewer PC - Property Corner bldg - Building

All Valves mechanical joint connection

Valve Table

City Number	Bl. Sta. L/R	Proj. #	Size - in	Brand	Type	Description	Notes
44553	08+79 40' L	1	12	Clow	BF	5.5' E of W CF West St. / 121' S of CL Maple St.	
44552	08+77 40' L	2	2	Clow	BOGV	3.5' E of W CF of West St. / 123' S CL Maple St.	
44554	10+53 40' L	3	12	Clow	BF	10.5' E of W CF of West St. / 7' N of NCF of Maple St.	
44555	10+55 42' L	4	12	Clow	BF	10' N of N CF of Maple / 8' E of WCF S. West St.	
44556	10+55 42' L	5	12	Clow	BF	1' E of W CF West St. / 7' N of NCF Maple St.	
44582	08+35 54' L	6	12	Clow	GV	6.2' S NPL W. Maple, 17.8' W Ctr SWS inlet lid, 16.3' E CL drive	
44583	08+33 54' L	7	2	Clow	BOGV	5.1' S NPL W. Maple / 22.2' W Ctr SWS inlet lid / 13' E CL drive	
44584	11+04 43' L	8	12	Clow	GV	10' N N CF Maple / 15.5' E Ctr SWS inlet lid / 72.5 E of E CF S. West St.	
? **Sht 4/18**	16+90 37' L	10	12	Clow	BF	9' E / 12' N of SE PC 155 S. West St.	
44051	23+35.65' R	12	12	Clow	BF	16.1' N CL Douglas St. / 73.6' W CL West St.	
44560	23+52 46' L	13	8	Clow	GV	32' N CL Douglas St. / 54.8' W CL West St.	
44562	23+54 48' L	14	12	Clow	BF	34.5' N CL Douglas / 57.5' W CL West St.	
44561	23+52 50' L	15	8	Clow	GV	32' N CL Douglas St. / 59' W CL West St.	
44563	33+44 42' L	16	2	Clow	GV	48' W CL West St. / 29' S N PL 229 N West St.	2" Service line valve McGreevy Meat Co. 230 N West St.
44566	36+16 48' L	17	8	Clow	GV	4.4' S S CF W 2nd St. / 4.2' E PP / 3.7' N PP / 12.4' NW traffic MH lid	in wheel chair ramp
44597	36+16 228' L	18	2	Clow	GV	22.5' W PP / 12.5' S S CF W. 2nd St./ 3.7' N S PL W. 2nd St. / 182.2' W W PL N. West St.	
44565	36+37 48' L	19	12	Clow	GV	16.4' N S CF W 2nd ST. / 18.8' W W CF N West St. / 1' E W PL N West St. / 39.4' S N PL W 2nd St.	
44564	36+35 46' L	20	8	Clow	GV	16' E Extended W CF N. West St. / 12.8' N S CF W 2nd St. / 18.6' SW SWS MH lid W side Intersection West St & 2nd St.	
44568	39+08 42' L	21	2	Clow	GV	269.2' N CL 2nd St. / 3' N N edge of driveway / 42' W CL West St.	Service line valve
44569	32+04 42' L	22	6	Clow	GV	135.5' N S PL 333 N West St. / 7' E W PL N West St.	Fire Service Valve
44571	33+94 42' L	23	4	Clow	GV	96.8' S CL 3rd St. / 44' W CL West St.	Fire Service Valve
44572	35+18 42' L	24	8	Clow	GV	26.5' N CL 3rd St. / 46.3' W CL West St.	
44645	35+18 52' L	25	2	Clow	BOGV	26.5' N CL 3rd St. / 55' W CL West St.	
44167	49+63 49' L	26	12	Clow	GV	5' N CL St.Louis St. / 49' W CL West St.	24"x12" Tapping Valve
44575	49+73 42' L	27	12	Clow	BF	14'4" N CL St. Louis St. / 42' W CL West St.	
44577	49+87 60' L	28	2	Clow	BOGV	17.5' N CL St. Louis / 65' W CL West St.	
44576	49+67 42' L	29	8	Clow	GV	17.5' N of St. Louis / 44' W CL West St.	
44579	53+45 38' L	30	8	Clow	GV	6.3' W W CF N. West St. / 5.7' S. & 1.3' W S/W Corner SWS inlet top / 5.5' S N PL 511 N. West St.	
? **Sht 12/18**	63+12 41' L	31	12	Clow	GV	22.3' S N PL W. Central / 25.5' E W PL N West St. / 32.8' ESE traffic MH Lid NW corner Central and West St. Intersection	12" x 12" Tapping Valve
? **Sht 12/18**	63+12 34' L	32	12	Clow	GV	25.4' S N PL Central / 18.1' E W PL N West St. / 28' SE traffic MH MH Lid NW corner Central and West St intersection	12" x 12" Tapping Valve
? **Sht 14/18**	21+58 32' L	33	2	Clow	GV	4.7' S N CF / 3.5' E of SWS inlet N side of Douglas	Service line valve
44590	22+83 32' L	34	8	Clow	GV	6.5' N N CF Douglas St. / 55.8' W CL Illinois St.	
44589	22+86 32' L	35	2	Clow	BOGV	8' N CF Douglas / 52' W CL Illinois St.	
44951	31+60 6' R	36	2	Clow	GV	13.8' N S CF 2nd St. / 114.5' E E PL West St.	Service line valve
44592	32+47 6' R	37	8	Clow	GV	9.5' N S CF 2nd St. / 183.2' E E PL West St.	
44593	32+52 6' R	38	2	Clow	BOGV	11' N S CF 2nd St. / 187.4' E E PL N West St.	BO Riser in adjacent valve box.
44594	50+20 53' R	39	8	Clow	GV	9'S N CF St. Louis / 2' E E PL West St.	
44595	65+78 31' L	40	12	Clow	GV	3.6' E W CF+G28 N West St. / 59.5' N S PL 715 N. West St. / 32' S SWS Inlet	
44596	65+83 33' L	41	2	Clow	BOGV	16.8' E W PL N. West St. / 65' N S PL 715 N. West St. / 2' W W CF N. West St.	BOGV / Riser in meter box back of curb
44587	17+61 32' L	42	8	Clow	GV	32' N CL Douglas / 248' W CL West St. / 98' E CL Colorado St.	Old #16 on Line 4 - Duplicate with McGreevy'
44586	17+59 34' L	43	2	Clow	BOGV	34' N CL Douglas / 252' W CL West St. / 94' E CL Colorado St.	

Fire Hydrant Gate Valve Table

44557	16+92 40' L	11	6	Clow	FHGV	3.5' W of FH / 15' N S Line Bldg 155 S West St. / 3.7' W FH 14051
44585	11+07 45' L	9	6	Clow	FHGV	10.5' N N CF Maple / 17.5' E Inlet Lid Center / 74.5' E of E CF S. West St. / 3.5 N FH 14059
49630	29+51 42' L	45	6	Clow	FHGV	11' W W CF S. West St. / 9.2' E W PL S. West St. /34.5' N Ctr SWS Inlet lid / 3' W FH 14052
44567	36+89 46' L	46	6	Clow	FHGV	5' E W PL N. Wedt St. / 13.8' N N PL W. 2nd St. / 6.8' W FH 14053
44570	40+25 42' L	44	6	Clow	FHGV	11.5' E W PL N. West St. / 10.3' W W CF N. West St. / 87.7' S S edge driveway 339 N. West St. / 3.1' W FH 14054
44573	43+40 42' L	47	6	Clow	FHGV	11' W W CF N West ST. / 25' N N CF W. 3rd St. / 9.6' E W PL N. West St. / 2' W FH 14055
44578	50+08 42' L	48	6	Clow	FHGV	5.4' W W CF N. West St. / 17.8' N N PL W St. Louis St. / 9.5' E W PL N. West St. / 2.6' W FH 14056
44580	56+61 42' L	49	6	Clow	FHGV	10.5' W W CF N. West St. / 23' E W PL N. West St. / 26.2' N N line S Driveway to Plaza West Shopping Center / 2' W FH 14057
44581	61+94 42' L	50	6	Clow	FHGV	32' E & 7.5' S S W PC Central & West St./ 3.5' E W CF N. West St. / 11.5' W FH 14058

Fire Hydrant Table

14051	16+92 35' L		6	Clow	FH	14.5' N of S line of bldg 155 S. West St. / 5.1' W W CF S. West St. / 3.7' E 6" FH Valve
14052	29+51 39' L		6	Clow	FH	8' W W CF S. West St. / 12.2' E W. PL S. West St. / 3' E FH Valve
14053	36+89 38' L		6	Clow	FH	11.8' E W PL N. West St. / 13.8' N N Pl W 2nd St. / 6.8' E FH Valve
14054	40+25 38' L		6	Clow	FH	12.6' E W PL N West St. / 7.2' W W CF N West St. / 3.1' E FH Valve
14055	43+40 38' L		6	Clow	FH	8.8' W W CF N West St. / 25' N N CF W 3rd St. / 2.1' E FH Valve
14056	50+08 39' L		6	Clow	FH	8' W W CF N West St. / 17.8' N N PL W St. Louis St. / 2.6' E FH Valve
14057	56+61 39' L		6	Clow	FH	8.5' W W CF N West St. / 21.2' E W PL N West St. / 2' E FH Valve
14058	61+94 42' L		6	Clow	FH	20.8' E & 7.5' S SW PC Central & West St. / 11.5' E FH Valve
14059	11+07 41' L		6	Clow	FH	92' S N PL W. Maple / 17.5' E SWS Inlet lid / 8" N N CF W. Maple

GENERAL NOTES

1. Existing utilities, both above and below ground, and their locations as shown on the plans, represent the best information available for design. The locations of utilities as shown on the plans are not guaranteed and the Contractor shall verify all utilities and their locations before beginning construction. Additional utilities, including relocated utilities, which are not shown on the plans may be encountered. In this event, the Contractor shall adjust his schedule and cooperate with the utility companies to ensure that their facilities be adjusted as required to clear construction. The Contractor shall exercise extreme caution while working near utilities.

2. All water mains and appurtenances shall be installed in accordance with City of Wichita, Kansas Standard Specifications for Water Main Installations.

3. The Water Department shall field locate water valves one time during construction when requested by the Contractor. It shall be the responsibility of the Contractor to preserve such field locations during the construction process. Water valves, water valve boxes, or fire hydrants damaged during construction shall be repaired at the Contractor's expense. Contact Bill Perkins with the Wichita Water Department for water service information.

4. Opening and closing of water valves shall be done slowly to prevent damage to the distribution system by a water hammer. All valves that are closed by the Contractor must be reopened as new construction permits. The Project Inspector must ascertain that any valve closed by the Contractor is reopened. The Contractor will be permitted to operate a water valve only when the Project Inspector assigned to the project is present.

5. The Contractor shall not start work on the project until the Project Inspector assigned to the project is present. Any work done without inspection will be required to be uncovered for inspection.

6. Power Poles within close proximity to the new water line may require temporary bracing to facilitate construction. Contractor shall contact Shane Price at Westar Energy at 261-6315 prior to construction to coordinate pole bracing.

7. Temporary Blow-off Valves necessary to flush lines at existing water line tie-ins shall not be paid for directly, but shall be considered INCIDENTAL to other items in the bid.

8. All Costs for abandonment of existing Water lines, including Pipe abandonment, removal and salvage of Valve Boxes, removal and salvage of Valves, and removal and salvage of Fire Hydrants shall be included in the Bid Item "Site Clearing".

WATER MAIN REPLACEMENT FOR

WEST STREET

FROM SOUTH OF MAPLE TO NORTH OF CENTRAL

Project Number	O.C.A. Number
~~448-88975~~ 89975	636133

CITY OF WICHITA, KANSAS

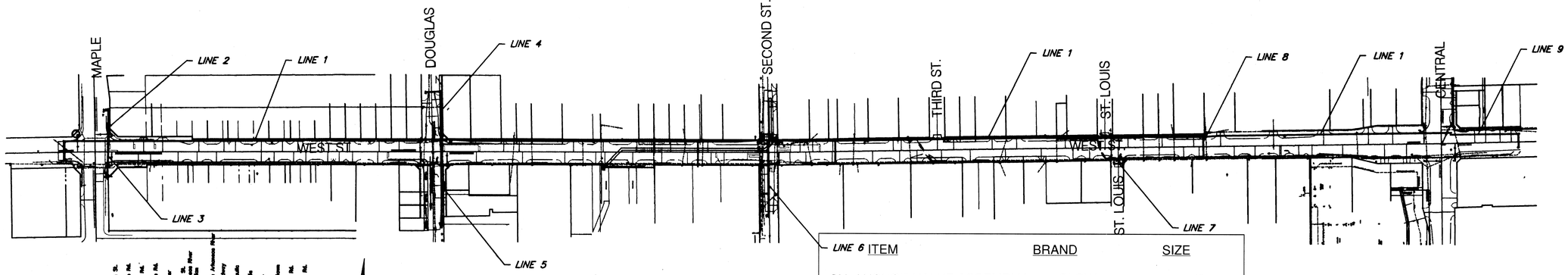
James L. Armour, P.E. City Engineer

NOVEMBER 2008

FINAL PLANS

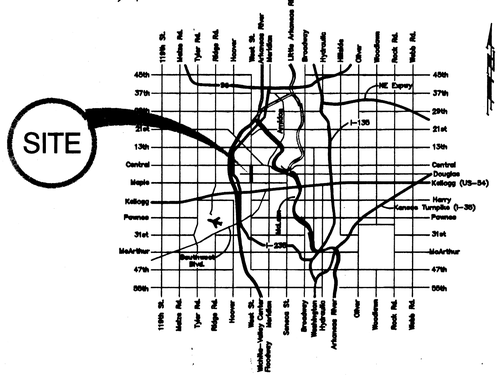
Index

Scale: 1" = 200'



LINE 6 ITEM	BRAND	SIZE
GV, ANCHOR VALVE ASSEMBLY	CLOW	4"
GV, ANCHOR VALVE ASSEMBLY	CLOW	6"
GV, ANCHOR VALVE ASSEMBLY	CLOW	8"
BV, VALVE ASSEMBLY	CLOW	12"
FIRE HYDRANT ASSEMBLY	CLOW	6"
BLOWOFF ASSEMBLY	CLOW	2"
SERVICE OUTLET ASSEMBLY		2"
AIR RELEASE ASSEMBLY		1"

PROJECT AREA



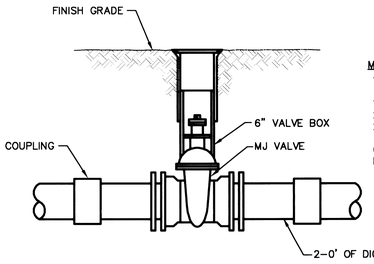
Vicinity Map

TIM AZTERE
PATTERSON
19753
11-21-08
KANSAS
PROFESSIONAL ENGINEER

CORNEJO/WB CARTER - CONTRACTOR
S. MAY - CITY OF WICHITA, INSPECTOR
AS-BUILT
RELEASE DATE:
: APRosas 8/16/2010
Scanned 10/01/2010

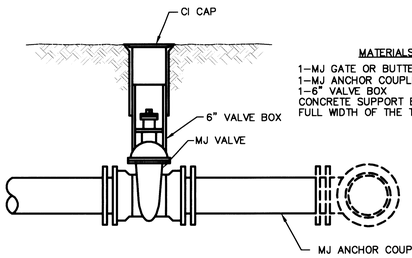
Drawing File: F:\\West Street Paving New\Land\dwg\Wtr Base Cover.dwg November 2008

Baughman Company, P.A.
315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
Baughman ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE



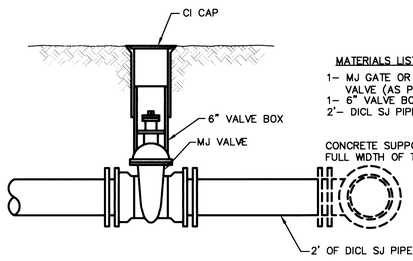
MATERIALS LIST
1-MJ GATE OR BUTTERFLY VALVE (AS PER PLAN)
1-6" VALVE BOX
2-COUPLINGS
2-SHORT PCS. (DICL SJ PIPE)
CONCRETE SUPPORT BLOCK SHALL BE FULL WIDTH OF THE TRENCH

LINE VALVE ASSEMBLY



MATERIALS LIST
1-MJ GATE OR BUTTERFLY VALVE (AS PER PLAN)
1-MJ ANCHOR COUPLING (12" OR SMALLER)
1-6" VALVE BOX
CONCRETE SUPPORT BLOCK SHALL BE FULL WIDTH OF THE TRENCH

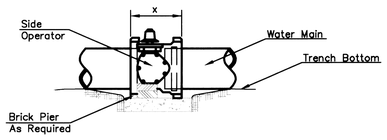
ANCHORED VALVE ASSEMBLY



MATERIALS LIST
1- MJ GATE OR BUTTERFLY VALVE (AS PER PLAN)
1- 6" VALVE BOX
2'- DICL SJ PIPE

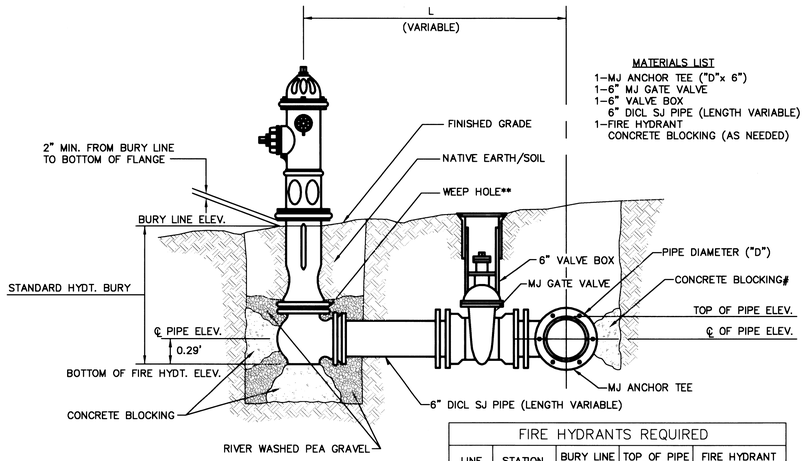
CONCRETE SUPPORT BLOCK SHALL BE FULL WIDTH OF THE TRENCH

VALVE ASSEMBLY



NOTES
1. This detail covers Butterfly Valve installation, inclusive, regardless of type of pipe or joint used. Larger lines to be detailed on plans.
2. 6" Valve Box and Cover required per City of Wichita Std. Specifications.
3. Conc. Support Block to be full width of trench.

CONCRETE SUPPORT BLOCKING FOR BUTTERFLY VALVE INSTALLATION



MATERIALS LIST
1-MJ ANCHOR TEE ("D"x 6")
1-6" MJ GATE VALVE
1-6" VALVE BOX
6" DICL SJ PIPE (LENGTH VARIABLE)
1-FIRE HYDRANT
CONCRETE BLOCKING (AS NEEDED)

** CAUTION! WEEP HOLES TO BE KEPT CLEAR DURING CONSTRUCTION AND BACKFILL. CONCRETE FOR THRUST BLOCKING SHALL NOT OBSTRUCT WEEP HOLES.

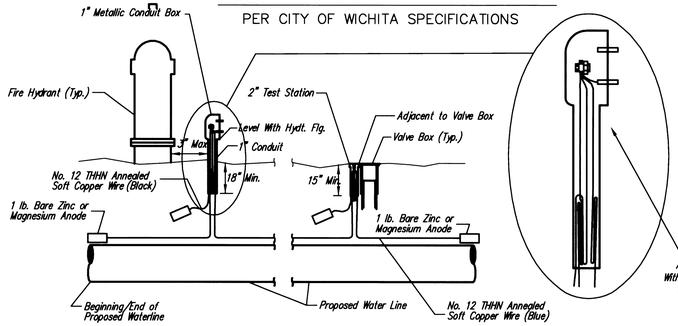
CONCRETE THRUST BLOCKING SHALL BE KEPT CLEAR OF BOLTS, NUTS, AND MJ ACCESSORIES.

• IF HYDRANT BURY IS IN EXCESS OF 5', CONTRACTOR SHALL USE STANDARD 5' HYDRANT BURY AND HYDRANT BARREL EXTENSIONS AS NECESSARY.

FIRE HYDRANTS REQUIRED				
LINE	STATION	BURY LINE ELEVATION	TOP OF PIPE ELEVATION	FIRE HYDRANT BURY REQUIRED*
1	8+83.51	119.64	114.32	6.1'
1	15+56.79	118.32	113.59	5.6'
1	21+42.91	117.28	111.60	6.5'
1	28+81.08	119.02	114.50	5.3'
1	32+16.58	119.54	114.55	5.8'
1	32+00.00	118.76	114.06	5.5'
1	42+00.15	119.55	115.46	4.9'
1	48+53.27	120.15	115.20	5.8'
1	53+85.97	121.60	116.48	5.9'
3	1+24.83	117.05	112.83	5.0'

FIRE HYDRANT ASSEMBLY

PER CITY OF WICHITA SPECIFICATIONS



TRACER WIRE

Conductive type pipe locator/tracer wire shall be installed to locate all waterline pipe regardless of pipe material. The wire shall extend the entire length of the proposed pipe. The wire shall be taped to the waterline and pulled with the pipe. Split-bolt connectors shall be used at splice locations. Electrical tape shall cover all splices so no bare wire is exposed. Test stations shall be installed adjacent to all fire hydrants along the waterline and at blowoffs or valves near the ends of the waterlines. Any exceptions to the location of test stations shall be approved by the engineer. At each test station, the tracer wire shall be connected to a 1 lb. Zinc or magnesium anode. Anodes shall also be attached to the tracer wire at both the beginning and the end of the proposed waterline. A typical layout of the tracer wire and test station is provided in the above figure.

WIRE

The tracer wire shall be Blue No. 12 THHN annealed soft copper wire with thermal plastic insulation. The insulation shall be heat, oil, and gasoline resistant as manufactured by Temple Electric or approved equal. To allow for grade adjustment, a minimum of 12" of excess wire shall be coiled at the bottom of the test station for all wires. The insulation sheathing shall be removed such that 1" bare copper wire is exposed at all points of connection. Contractor shall attach wire being installed with proposed water main to any tracer wire installed with adjacent waterline projects.

TEST STATIONS

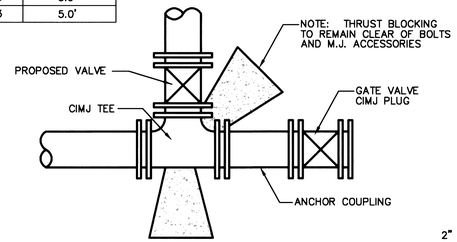
The test station for fire hydrant applications shall be a 1 inch galvanized conduit style test station as manufactured by AGRA Industries with a removable solid cover having two leads extending from the face or approved equal. The test station for valve applications shall be 2 inch flush style test station T2PS3B as manufactured by HANDLEY Industries or approved equal. The conduit style shall be attached to a 1 inch rigid galvanized conduit with a minimum length of 36" and plastic end bushing. The flush style shall have the word "WATER" stamped or molded into the lid. All test stations shall be manufactured using molded blue tops or sufficiently coated with blue enamel paint. The tracer wire and the anode wire shall be installed to allow 10 inches of wire within the test station. In concrete environments such as sidewalks or in the downtown area the contractor shall use the flush style test station. The location of all test stations shall be approved by the engineer, recorded, and shown in the as-built drawings.

ANODES

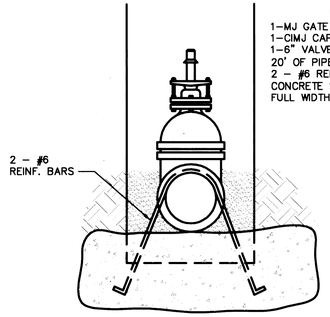
The anodes shall be 1 lb. bare zinc or magnesium. The anodes shall be buried at the same elevation as the waterline at each test station. The anodes shall be connected to Black No. 12 THHN annealed soft copper wire which shall be extended to the test station.

TRACER WIRE DETAIL

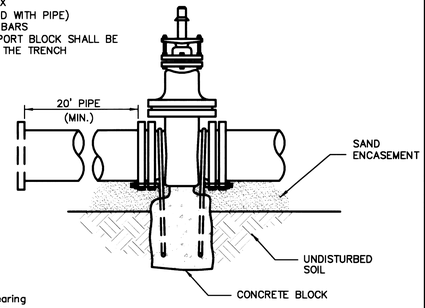
COST IS SUBSIDIARY TO PIPE INSTALLATION



KEY BLOCK DETAIL



MATERIALS LIST
1-MJ GATE OR BUTTERFLY VALVE (AS PER PLAN)
1-CIMJ CAP WHEN NECESSARY
1-6" VALVE BOX
20' OF PIPE (BID WITH PIPE)
2 - #6 REINF. BARS
CONCRETE SUPPORT BLOCK SHALL BE FULL WIDTH OF THE TRENCH



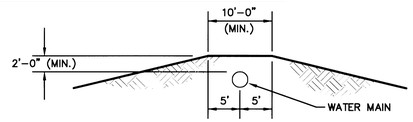
Notes:
1. Concrete Block at Valve to have sufficient bearing in undisturbed soil to prevent thrust movement as shown in table at right. Field Engineer to determine thrust loading of undisturbed soil and final size of thrust block.

2. The thrust block shall be constructed such that bolts, nuts, and other MJ accessories are kept clear of concrete.

3. All valves at dead ends and at other locations as called out on the plans shall be blocked as shown here.

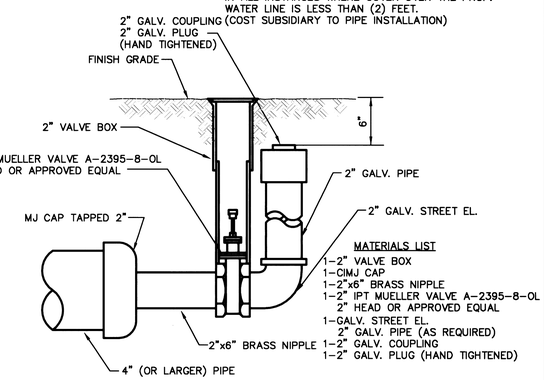
THRUST AT VALVES	
VALVE	THRUST AT 150 #/in²
4"	1809 lbs.
6"	4245 lbs.
8"	7540 lbs.
12"	16965 lbs.

ANCHORED VALVE ASSEMBLY, SPECIAL



PROTECTIVE FILL DETAIL

MINIMUM PROTECTIVE FILL SHALL BE PROVIDED IN ALL INSTANCES WHERE COVER OVER THE PROP. WATER LINE IS LESS THAN (2) FEET.



MATERIALS LIST
1-2" VALVE BOX
1-CIMJ CAP
1-2"x6" BRASS NIPPLE
1-2" IPT MUELLER VALVE A-2395-8-OL
2" HEAD OR APPROVED EQUAL
1-GALV. STREET EL.
2" GALV. PIPE (AS REQUIRED)
1-2" GALV. COUPLING
1-2" GALV. PLUG (HAND TIGHTENED)

2" BLOWOFF ASSEMBLY

THE CITY OF WICHITA

CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202
(316) 268-4501
(316) 268-4114 FAX

STANDARD WATER ASSEMBLY DETAILS

JIM ARMOUR - CITY ENGINEER

PROJECT NUMBER	INDEX CODE
~~448-89557~~	~~636105~~
DATE: May 2005	SHEET 2 OF 18

Revised: 6-7-00, MCG

Drawing File: E:\Eng\West Street Paving New\Land\dwg\WtrBase

Design: T. Aziere
Drawn: Sonny
Approved: J. F. Bradley
Scale: 1:20

Project No. 04-04-E860 CAPITAL IMPROVEMENT PROJECT
WEST STREET WATER MAIN REPLACEMENT
Line 1, W.L. Sta. 0+ 00 to W.L. Sta 5+ 86.82
WEST STREET, SOUTH OF MAPLE TO SOUTH OF CENTRAL

Baughman Company, P.A.
315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

November 2008
SHEET 3 OF 18

W.L. Sta. 5+91.51 Line 1 = B.L. 1 Sta. 14+00.00 = Match Point.

Install 292.00 L.F. 12" Pipe

WL, 37' Lt.

LINE 1

W.L. Sta. 8+83.51, Line 1 = B.L. 1 Sta. 16+92.00, 42.00' Lt.
Install 1-Fire Hydrant Assy. (E) – 6"CLOW – 6"CLOW
L = ~~9.50'~~ 7.0'
Valve Box Elev. 120.23 Top
Bury Line Elev. 119.64
Install 1-12" Valve Assy. (Butterfly Valve) (S)
Valve Box Elev. = 120.39 Top

H14051
V44557- 3.5'W OF FH & 15'N OF S LINE OF BLDG 155 S WEST ST.
(S) 12"CLOW – 9'E & 12'N OF SEC OF 155 WEST ST.
– 2.5S & 5.5'W OF FH

WL, 37' Lt.

Prop R/W = 50' SL

Existg R/W = 40' SL

Install 81.49 L.F. 12" Pipe

WL, 42' Lt.

W.L. Sta. 9+65.00, Line 1 = B.L. Sta. 17+73.49, 42.00' Lt.
Install 1" Tap for Air Release.
Install 1-Air Release Assy.
See Air Release Detail on Water Meter Table Sheet.
Top Elev. = 119.78

Note:
See Water Meter Table For Service Locations.

Install 226.31 L.F. 12" Pipe

W.L. Sta. 11+91.51, Line 1 = B.L. 1 Sta. 20+00.00 = Match Point.

SCALE:
1" = 20' Horizontal
1" = 5' Vertical

6+00 7+00 8+00 9+00 10+00 11+00 12+00

14+00 15+00 16+00 17+00 18+00 19+00 20+00

SL = CL = BL1

WEST STREET

A.C. PARKING PVMT

CONC PARKING PVMT

ROCK

LSCP ROCK

LANDSCAPE ~ ROCK

SIGN

WM

Guy Pole

12" HP Aquila Gas Abandd.

10" KGS Gas (Abandd.)

AT&T MH

DG AT&T Duct(13 MTD)

DG AT&T Duct(12 MTD)

W 12" Exstg Wtr (Abandd) W

Mon Well

Prop PP

Exstg R/W = 40' SL

Prop R/W = 50' SL

Bushes

BRIAN L. LUBBERS, ETAL D08764

BRIAN L. LUBBERS, ETAL D08763

+75.00 P.V.C.

+25.00 P.V.T.

100' R/W

60' F.F. – F.C.

Bushes & TREES

140' DOGGY DAYCARE

GRASS

Prop 8" KGS GAS TF Steel Pipe-58 psi

5.00'

Abandon Existing 12" Water Line in Place in Accordance with City of Wichita Specs. Seal Both Ends. All Services Must Be Connected To New Main Prior to Abandonment.

Remove & Salvage Ex. Fire Hydrant & Valve Box. Deliver to City of Wichita. Cap Valve with Conc. Install 1–6" MJ Cap On FH Branch

LINE 1

Benchmark

BM #2 – "T" on Top Parking Island 7.0' N. and 24.0' W. of the N.W. Corner Bldg. #220 (West St.)
Elev. = 120.44' City Datum

BM #3 – "T" on Top of 0.8' Curb at S.W. Corner Lot 4, Black & Towns Add., 156'± E. and 40'± N. of ℄ of Both Douglas and West St.
Elev. = 118.76' City Datum

W.L. Sta. 5+91.51 Line 1 = B.L. 1 Sta. 14+00.00 = Match Point.

W.L. Sta. 8+83.51, Line 1 = B.L. 1 Sta. 16+92.00, 42.00' Lt. Install 1-Fire Hydrant Assy. (E) Install 1-12" Valve Assy. (Butterfly Valve) (S)

W.L. Sta. 9+65.00, Line 1 = B.L. Sta. 17+73.49, 42.00' Lt. Install 1" Tap for Air Release. Install 1-Air Release Assy FW

W.L. Sta. 11+91.51, Line 1 = B.L. 1 Sta. 20+00.00 = Match Point.

Prop Pav Fin Grd @ CL

Exist. Grade on CL of Pipe

LINE 1

6.5' DEEP

6' DEEP

120 115 110 105 100 95 90

112.59 = T.P. 113.62 = T.P. 113.75 = T.P. 113.87 = T.P. 114.00 = T.P. 114.12 = T.P. 114.25 = T.P. 114.32 = T.P. 114.38 = T.P. 114.50 = T.P. 114.54 = T.P. 114.24 = T.P. 113.87 = T.P. 113.51 = T.P. 113.14 = T.P. 112.87 = T.P.

5+91.51 6+00 7+00 8+00 8+83.51 9+00 +65 10+00 11+00 11+91.51

Drawing File: E:\Eng\West Street Paving\New\Land\dwg\WtrBase

November 2008

Design: T. Adere
Drawn: Sonny
Approved: J. F. Bradley
Scale: 1:20

Project No. 04-01-1860 CAPITAL IMPROVEMENT PROJECT

WEST STREET WATER MAIN REPLACEMENT

Line 1, W.L. Sta. 5+ 86.82 to W.L. Sta 11+ 86.82

WEST STREET, SOUTH OF MAPLE TO SOUTH OF CENTRAL

Baughman Company, P.A.
315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

SHEET 4 OF 18

W.L. Sta. 11+91.51, Line 1 = B.L. 1 Sta. 20+00.00 = Match Point.

W.L. Sta. 12+62.37, Line 1 = B.L. Sta. ~~20+70.86,~~ 42.00' Lt. 20+82
Install 8.00 L.F. 2" Pipe
Install 1–2" Custom Set & Service
Reconnect Water Service
Valve Box Elev. = 118.54
Remove Existing Vault

W.L. Sta. 13+71.59, Line 1 = B.L. 1 Sta. 21+80.09, 42.00' Lt.
Deflect Pipe 3°54'34" W

W.L. Sta. 14+59.59 = B.L. 1 Sta. 22+67.88, 48.00' Lt.
Deflect Pipe 3°54'34" E

Install 88.00 L.F. 12" Pipe

PROP 24" SWS Crossing

CAUTION
Existing UGAT&T Crossing

CAUTION
Existing 8" & 36" Water Crossing

CAUTION
Existing 3" Gas Crossing

CAUTION
Prop KGS Gas Crossing

W.L. Sta. 15+44.07, Line 1 =
W.L. Sta. 00+00.00, Line 4 = (E) 8" CLOW
W.L. Sta. 00+00.00, Begin Line 5 = V44561
B.L. 1 Sta. 23+52.36, 48.00' Lt. (W) 8" CLOW
Install 1–12"x 8" CIMJ Cross (EW) V44560
Install 2–8" Anch Valve Assy. (Gate Valve)(EW)
Install 1–12" Valve Assy. (Butterfly Valve)(N)
Valve Box Elev. = 117.89 Top(E) (N) 12" CLOW
Valve Box Elev. = 118.81 Top(NW) V44562

W.L. Sta. 16+55.19 = B.L. 1 Sta. 24+63.28, 42.00' Lt.
Deflect Pipe 3°54'34" W

CAUTION
Existing 2" Gas Crossing

Note:
See Water Meter Table For Service Locations.

W.L. Sta. 17+91.91 Line 1 = B.L. 1 Sta. 26+00.00 = Match Point.

Install 136.72 L.F. 12" Pipe

SCALE:
1" = 20' Horizontal
1" = 5' Vertical

LINE 1

LINE 4

LINE 5

DOUGLAS AVE

Prop R/W = 50' SL

Exstg R/W = 40' SL

Exstg R/W = 50' SL

Exstg R/W = 30' SL

Permanent Drive Closure

Install 70.86 L.F. 12" Pipe

Install 109.22 L.F. 12" Pipe

Install 63.68 L.F. 12" Pipe

Abandon Existing 12" Water Line in Place in Accordance with City of Wichita Specs. Seal Both Ends. All Services Must Be Connected To New Main Prior to Abandonment.

Close Valve, Remove & Salvage Valve Box. Deliver to City of Wichita. Cap Valve with Conc. Install 1–2" MJ Cap On Service Branch

W.L. Sta. ~~15+23.27~~ 15+18.5 Line 1 =
B.L. 1 Sta. 23+31.56, 48.00' Lt.
Install 1–12" CIMJ Tee (E) Rolled
Install 7.00 L.F. 12" DICL Pipe (E)
Install 1–12" CIMJ 90° Bend (N)
Install ~~7.00~~ L.F. 12" DICL Pipe (N)
To Tapping Valve (See Detail Sh 13)

NOTE: MEGA LUG RJ RINGS USED ON ALL MJ'S

B.L. 1 Sta. 23+21.03 = B.L. 3 Sta. 20+00.00 = THIMBLE @ Intersection of Center Line West Street & Douglas

W.L. Sta. 15+30.28, 17.00' Rt. Line 1
B.L. 1 Sta. 23+38.56, ~~41.00'~~ Lt. 65'
Tap Existing 24" PCSC Water Line
1–24 x 12" Tapping Sleeve
1–12" Tapping Valve w/Valve Box
Valve Box Elev. = 118.43 Top
To Be Furnished & Installed By City of Wichita Water Dept.

Remove & Salvage Ex. Fire Hydrant & Valve Box. Deliver to City of Wichita. Cap Valve with Conc. Install 1–6" MJ Cap On FH Branch

Install ~~20.00~~ L.F. 12" Pipe

Remove & Salvage Ex. Fire Hydrant & Valve Box. Deliver to City of Wichita Cap Valve with Conc. Install 1–6" MJ Cap On FH Branch

Close Valve, Remove & Salvage Valve Box. Deliver to City of Wichita Cap Valve with Conc.

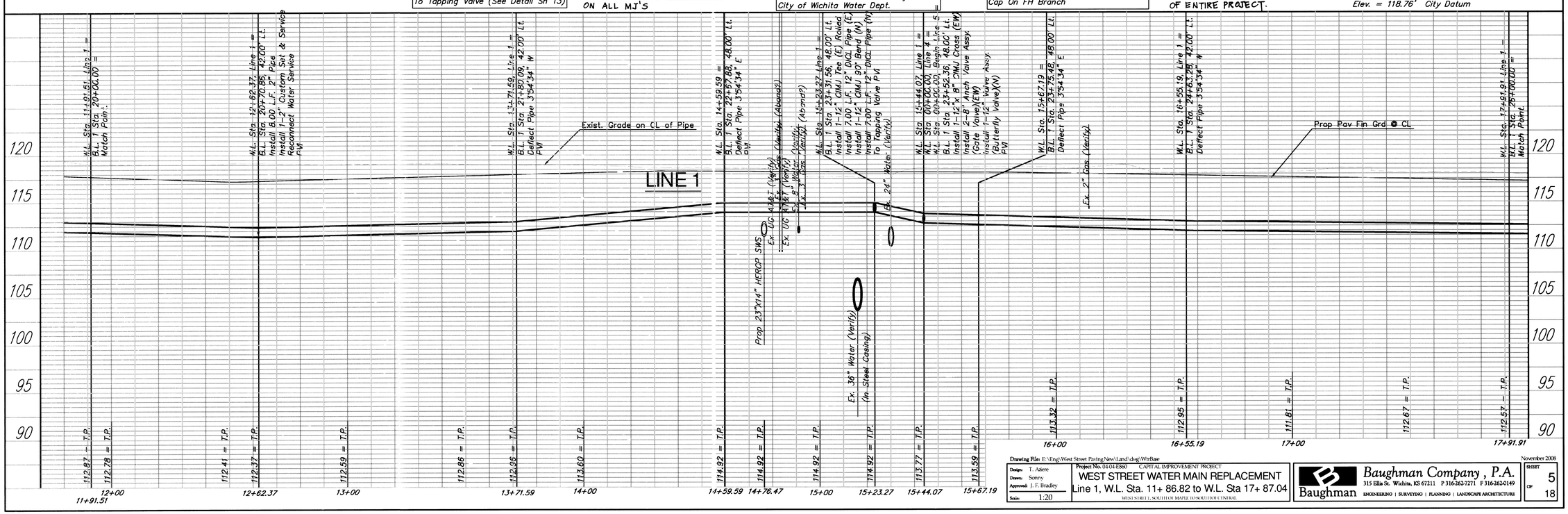
Install ~~23.12~~ L.F. 12" Pipe

NOTE: WHERE WATER SERVICE LINES CROSS SWS, WATER LINES ARE UNDER SWS AT MINIMUM DEPTH OF 9' - TYPICAL OF ENTIRE PROJECT.

Benchmark

BM #2 – ☐ on Top Parking Island 7.0' N. and 24.0' W. of the N.W. Corner Bldg. #220 (West St.) Elev. = 120.44' City Datum

BM #3 – ☐ on Top of 0.8' Curb at S.W. Corner Lot 4, Black & Towns Add., 156'± E. and 40'± N. of ℄ of Both Douglas and West St. Elev. = 118.76' City Datum



Drawing File: E:\Eng\West Street Paving New\Land\dwg\WrtBase — November 2008

Design: T. Abere
Drawn: Sonny
Approved: J. F. Bradley
Scale: 1:20

Project No. 04-04-E860 CAPITAL IMPROVEMENT PROJECT

WEST STREET WATER MAIN REPLACEMENT
Line 1, W.L. Sta. 11+ 86.82 to W.L. Sta 17+ 87.04
WEST STREET, SOUTH OF MAPLE TO SOUTH OF CENTRAL

Baughman Company, P.A.
315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

SHEET 5 OF 18

W.L. Sta. 17+91.91 Line 1 = B.L. 1 Sta. 26+00.00 = Match Point.

Install 351.00 L.F. 12" Pipe

LINE 1

CAUTION Existing OHE Crossing

CAUTION Existing GSL Crossing

W.L. Sta. 21+42.91, Line 1 = B.L. 1 Sta. 29+51.00, 42.00' Lt. Install 1–Fire Hydrant Assy. (E) L = 3.50' Valve Box Elev. 118.69 Top Bury Line Elev. 117.28

Install 249.00 L.F. 12" Pipe

Note: See Water Meter Table For Service Locations.

CAUTION Existing GSL Crossing

W.L. Sta. 23+91.91 Line 1 = B.L. 1 Sta. 32+00.00 = Match Point.

CAUTION Existing OHE Crossing

CAUTION Existing GSL Crossing

SCALE: 1" = 20' Horizontal
1" = 5' Vertical

18+00 19+00 20+00 21+00 22+00 23+00 24+00

Prop R/W = 50' SL

Exstg R/W = 50' SL

Exstg R/W = 30' SL

2" Poly Aquila Gas

12" HP Aquila Gas (aband)

2 SERVICES W COMMON BORE W/ TRACER WIRE ON EACH

WEST STREET

215 N WEST ST.

201

207

212

RCBC LINE 1

2-SERVICES IN COMMON BORE W/TRACER WIRE ON NORTH SERVICE

2 SERVICES IN COMMON BORE W/ TRACER WIRE ON SOUTH SERVICE

26+00 27+00 28+00 29+00 30+00 31+00 32+00

SL = CL = BL1

UG AT&T Duct(20 PVC)

UG AT&T Duct(12 MTD)

Ex 12"Wtr (Aband)

10" KGS Gas

4" KGS Gas

8" KGS GAS TF Steel Pipe 25 psi

400 PR AT&T Cable

3940 Permanent Drive

3940 W DOUGLAS

Vacated PEARL ST

126 N. WEST ST.

220 N WEST ST

224 N WEST ST.

Abandon Existing 12" Water Line in Place in Accordance with City of Wichita Specs. Seal Both Ends. All Services Must Be Connected To New Main Prior to Abandonment.

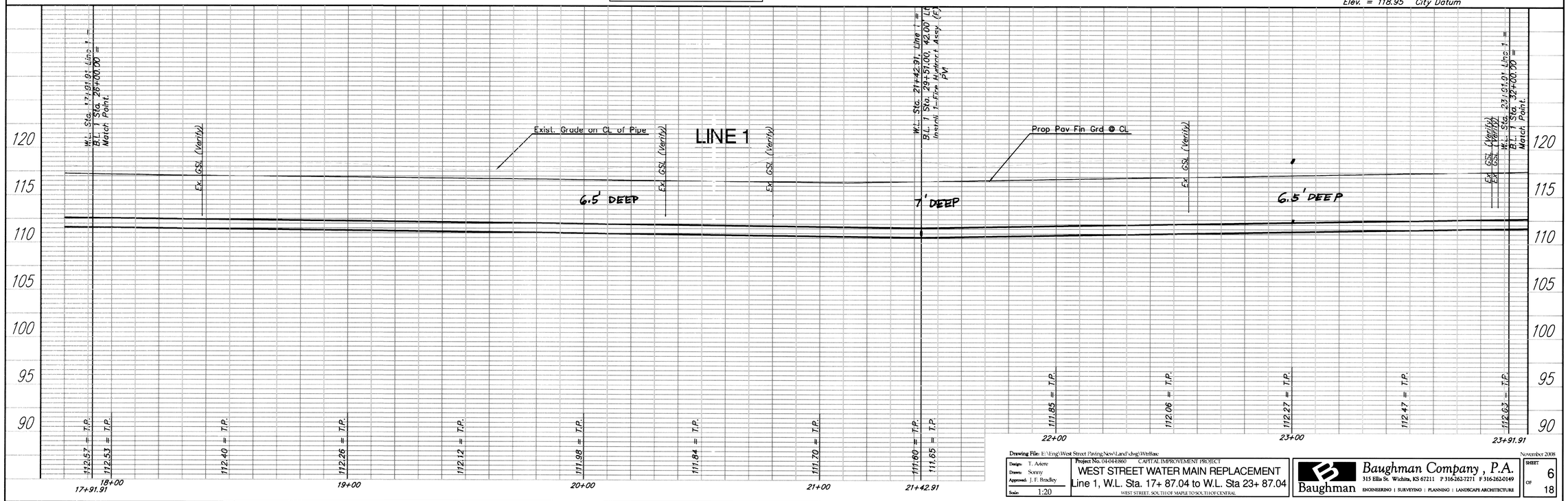
Remove & Salvage Ex. Fire Hydrant & Valve Box. Deliver to City of Wichita. Cap Valve with Conc. Install 1–6" MJ Cap On FH Branch

LINE 1

Benchmark

BM #3 – "□" on Top of 0.8' Curb at S.W. Corner Lot 4, Black & Towns Add., 156'± E. and 40'± N. of ℄ of Both Douglas and West St. Elev. = 118.76' City Datum

BM #4 – "□" on Concrete Next to Walk 10.0' E. of the S.E. Corner Bldg. #215, Bosley Tire (West St.) Elev. = 118.95' City Datum



Drawing File: E:\Eng\West Street Paving New\Land\dwg\WtrBase

November 2008

Design: T. Acere
Drawn: Sonny
Approved: J. F. Bradley
Scale: 1:20

Project No. 04-04-E860 CAPITAL IMPROVEMENT PROJECT

WEST STREET WATER MAIN REPLACEMENT

Line 1, W.L. Sta. 17+ 87.04 to W.L. Sta 23+ 87.04

WEST STREET, SOUTH OF MAPLE TO SOUTH OF CENTRAL

Baughman Company, P.A.
315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
Baughman ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

SHEET 6 OF 18

CAUTION Existing GSL Crossing

W.L. Sta. 23+91.91 Line 1 = B.L. 1 Sta. 32+00.00 = Match Point.

Install 161.34 L.F. 12" Pipe

CAUTION Existing GSL Crossing

W.L. Sta. ~~25+53.25~~ Line 1 = B.L. Sta. 33+61.34, 42.00' Lt. Install 85.00 L.F. 2" Pipe (E) Install 1–2" Service Outlet Assy Reconnect Exist. Service Valve Box Elev. = 118.48

2"CLOW - V44563 - 48'W OF ℄ OF WEST ST. & 29'S OF N PL OF 229 N WEST ST.

CAUTION Existing GSL Crossing

Install 158.00 L.F. 12" Pipe

LINE 1

Install 87.00 L.F. 12" Pipe

W.L. Sta. 27+11.25, Line 1= B.L. 1 Sta. 35+19.34, 42.00' Lt. Deflect Pipe 3°57'16" W

CAUTION Existing GSL Crossing

W.L. Sta. 27+98.25, Line 1 = B.L. 1 Sta. 36+06.13, 48.00' Lt. Deflect Pipe 3°57'16" E

WL STA 28+06, 48 Lt, LINE 6A 12"x 8" CIMJ TEE - 1- 8" ANCHOR VALVE (GV), 180 LF 8" PVC PIPE, 1-2" BLOW OFF ASSEMBLY

8"CLOW - V44566

CAUTION Existing GSL Crossing

Existing UGSBC, 4" Gas Crossing at Second Street

8.17 L.F. 12"DICL

5.0 L.F. 12"DICL

7.42 L.F. 12" DICL

Prop. RCB SWS Crossing

8.27 L.F. 12" DICL

13.67 L.F. 12" DICL

Note: See Water Meter Table For Service Locations.

CAUTION Existing UGAT&T Crossing

W.L. Sta. 28+64.25 Line 1 = B.L. 1 Sta. 36+71.93, 48.00' Lt. Deflect Pipe 3°57'16" E

Install 16.83 L.F. 12" Pipe

Install 69.17 L.F. 12" Pipe

W.L. Sta. 29+91.54, Line 1 = B.L. 1 Sta. 38+00.00 = Match Point.

Install 41.29 L.F. 12" Pipe

W.L. Sta. 29+50.25 Line 1 = B.L. 1 Sta. 37+58.71, 42.00' Lt. Deflect Pipe 3°57'16" E

2"CLOW V44597

2" LOCATOR HEAD

SCALE: 1" = 20' Horizontal, 1" = 5' Vertical

RCBC LINE 1

LINE 6

SECOND ST

WEST

Abandon Existing 12" Water Line in Place in Accordance with City of Wichita Specs. Seal Both Ends. All Services Must Be Connected To New Main Prior to Abandonment.

Close Valve, Remove & Salvage Valve Box. Deliver to City of Wichita. Cap Valve with Conc. Install 1–2" MJ Cap On Service Branch

102 LF 2" YELLOW MINE BY BORING

EXISTING 2" METER

28+16.80 12" CIMJ 45° Bend (Dn)

28+22.58 12" CIMJ 45° Bend (UP)

W.L. Sta. 28+27.58, Line 1 = W.L. Sta. 00+00.00, Begin Line 6 = B.L. 1 Sta. 36+35.26, 48.00' Lt. Install 1–12"x 8" CIMJ Tee (E) Install 1–8" Anch Valve Assy. (Gate Valve)(E) — 8"CLOW V44564 Valve Box Elev. = 119.32 Top Install 1–12" Valve Assy. (Butterfly Valve)(N) — 12"CLOW V44565 Valve Box Elev. = 119.32 Top

Remove & Salvage Ex. Fire Hydrant & Valve Box. Deliver to City of Wichita. Cap Valve with Conc. Install 1–6" MJ Cap On FH Branch

B.L. 1 Sta. 36+30.14 = B.L. 4 Sta. 30+00.00 = THIMBLE @ Intersection of Center Line West Street & Second Street

W.L. Sta. 28+81.08, Line 1 = B.L. 1 Sta. 36+89.70, 46.84' Lt. Install 1–Fire Hydrant Assy. (E) L = 8.50' Valve Box Elev. 119.31 Top Bury Line Elev. 119.02

28+45.0 12" CIMJ 45° Bend (UP)

Install 17.42 L.F. 12" Pipe

28+50.58 12" CIMJ 45° Bend (DN)

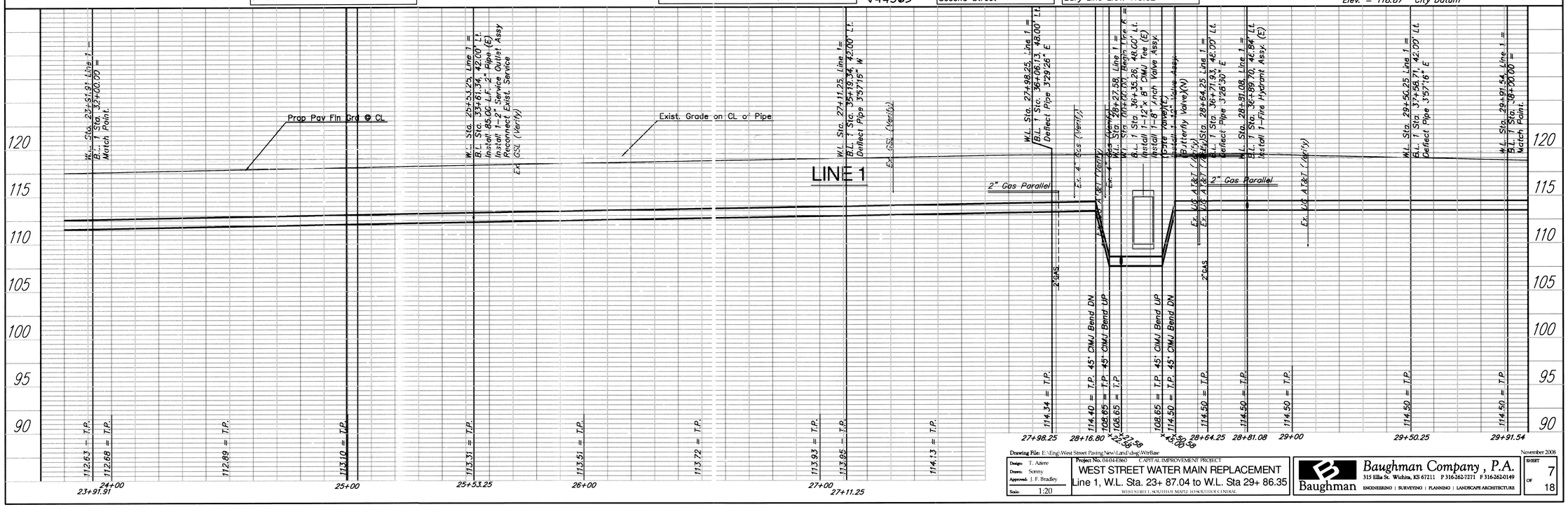
6"CLOW - H14053

6"CLOW - V44567

Benchmark

BM #4 – "□" on Concrete Next to Walk 10.0' E. of the S.E. Corner Bldg. #215, Bosley Tire (West St.) Elev. = 118.95' City Datum

BM #5 – City Disc 34.0' W. and 18.0' S. of ℄ of Both 2nd St. and West St. Elev. = 118.87' City Datum



Drawing File: E:\Eng\West Street Paving\New\Land\dwg\WrtBase

November 2008

Design: T. Adere
Drawn: Sonny
Approved: J. F. Bradley
Scale: 1:20

Project No. 0404-E860 CAPITAL IMPROVEMENT PROJECT

WEST STREET WATER MAIN REPLACEMENT

Line 1, W.L. Sta. 23+ 87.04 to W.L. Sta 29+ 86.35

WEST STREET, SOUTH OF MAPLE TO SOUTH OF CENTRAL

Baughman Company, P.A.
315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
Baughman ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

SHEET 7 OF 18

2"CLOW - V44568 - 269.2' N OF ℄ OF 2nd ST. - 3'N OF N EDGE OF DRIVE - 42'W OF ℄ OF WEST ST.

32+04

(W) 6"CLOW - V44569 135.5'N OF SPL & 7'E OF WPL OF 333 N. WEST ST.

33+94 (W) 4"CLOW - V44571 - 96.8'S & 44'W OF ℄ OF 3RD & WEST STS.

W.L. Sta. 29+91.54, Line 1 = B.L. 1 Sta. 38+00.00 = Match Point.

CAUTION Existing OHE Crossing

CAUTION Existing GSL Crossing

30+99.87

W.L. Sta. ~~30+91.87~~, Line 1 = B.L. Sta. ~~30+00.33~~, 42.00' Lt. Install 85.00 L.F. 2" Pipe (E) Install 1–2" Service Outlet Assy Reconnect Exist. Service Valve Box Elev. = 119.18

34+08

CAUTION Existing GSL Crossing

W.L. Sta. ~~32+09.25~~, Line 1 = B.L. 1 Sta. ~~40+17.71~~, 42.00' Lt. Install 1–12"x 6" CIMJ Tee (W) Install 1–6" Anch Valve Assy. (Gate Valve)(W) Install 3.00 L.F. 6" DICL Pipe ~~& Long Sleeve (W)~~ Reconnect Exist. Service Valve Box Elev. = 120.28 Top Install 1–6" MJ Cap (E)

40+12.46

1-6" - 90° BEND

4 LF 6" DIP

1-6" - 90° BEND

7.5 LF - 6" DIP LONG SLEEVE

W.L. Sta. 32+16.58, Line 1 = B.L. 1 Sta. 40+25.04, 42.00' Lt. Install 1–Fire Hydrant Assy. (E) L = 3.50' Valve Box Elev. 120.27 Top Bury Line Elev. 119.54

6"CLOW - H14054

6"CLOW - V44570

Install 173.25 L.F. 12" Pipe

CAUTION Existing UGAT&T Crossing

CAUTION Existing OHE Crossing

W.L. Sta. ~~33+09.83~~, Line 1 = B.L. 1 Sta. ~~41+98.29~~, 42.00' Lt., 42+02.46 Install 1–12"x 4" CIMJ Tee (W) Install 1–4" Anch Valve Assy. (Gate Valve)(W) Install 3.00 L.F. 4" DICL Pipe ~~& Long Sleeve(W)~~ Reconnect Exist. Service Valve Box Elev. = 120.62 Top Install ~~1 4" MJ Cap (E)~~

5 LF - 4" PVC

2 - 4" - 90° BEND

W.L. Sta. 34+33.56 Line 1 B.L. Sta 42+~~98.29~~, 42.00' Lt Install 12" CIMJ 45° Bend (DN)

W.L. Sta. 34+39.50 Line 1 B.L. Sta 42+~~98.29~~, 42.00' Lt Install 12" CIMJ 45° Bend (UP)

W.L. Sta. 34+57.50 Line 1 B.L. Sta 42+~~98.29~~, 42.00' Lt Install 12" CIMJ 45° Bend (DN)

CAUTION Existing UGAT&T Crossing

CAUTION Existing GSL Crossing

Note: See Water Meter Table For Service Locations.

SCALE: 1" = 20' Horizontal 1" = 5' Vertical

1-12"x8" MJ TEE

10 LF 8" PVC PIPE

W.L. Sta. 35+41.54 Line 1 = B.L. 1 Sta. 43+50.00 = Match Point.

WL STA. 35+18, 42' Lt. (W) 8"CLOW - V44572 - 26.5'N & 46.3'W OF ℄ OF 3rd & WEST STREETS

2"CLOW - V44645 - 26.5'N & 55'W OF ℄ OF 3rd & WEST STREETS

Install 9.54 L.F. 12" DICL Pipe

W.L. Sta. 35+32.00, Line 1 = B.L. 1 Sta. 43+40.46, 42.00' Lt. Install 1–Fire Hydrant Assy. (E) L = 3.50' Valve Box Elev. 119.62 Top Bury Line Elev. 118.76

6"CLOW - H14055

6"CLOW - V44573

WEST STREET

3rd STREET

LINE 1

SL = CL = BL1

Install 100.33 L.F. 12" Pipe

Install 117.38 L.F. 12" Pipe

Install 7.33 L.F. 12" DICL Pipe

Install 49.67 L.F. 12" Pipe

Install 8.48 L.F. 12" D.I.C.L. Pipe

Install 12.0 L.F. 12" Pipe

Install 8.48 L.F. 12" D.I.C.L. Pipe

Install 74.5 L.F. 12" Pipe

Close Valve, Remove & Salvage Valve Box. Deliver to City of Wichita. Cap Valve with Conc. Install 1–2" MJ Cap On Service Branch

2"YELLOW-MINE RJ PIPE

Remove & Salvage Ex. Fire Hydrant & Valve Box. Deliver to City of Wichita. Cap Valve with Conc. Install 1–6" MJ Cap On FH Branch

Close Valve, Remove & Salvage Valve Box. Deliver to City of Wichita. Cap Valve with Conc.

Abandon Existing 12" Water Line in Place in Accordance with City of Wichita Specs. Seal Both Ends. All Services Must Be Connected To New Main Prior to Abandonment.

Close Valve, Remove & Salvage Valve Box. Deliver to City of Wichita. Cap Valve with Conc.

WL STA. 33+94 4"CLOW - V44571 96.8'S & 44'W OF ℄ OF 3rd & WEST ST.

STEEL ATTACHED STREET LIGHT

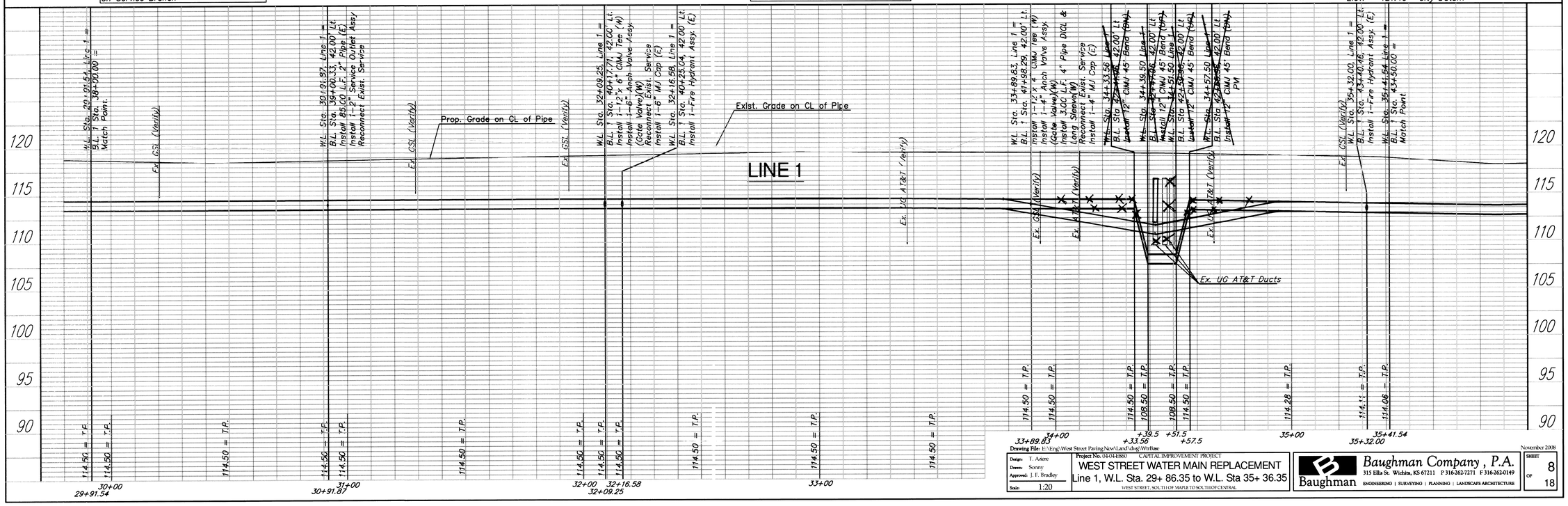
Remove & Salvage Ex. Fire Hydrant & Valve Box. Deliver to City of Wichita. Cap Valve with Conc. Install 1–6" MJ ~~Cap On FH Branch~~ PLUG FH VALVE(MJ)

B.L. 1 Sta. 43+00.93 = Intersection of Center Line West Street & 3rd Street

Benchmark

BM #5 – City Disc 34.0' W. and 18.0' S. of ℄ of Both 2nd St. and West St. Elev. = 118.87' City Datum

BM #6 – □ on Concrete Walk 2.0' E. of the N.E. Step at the S.E. Corner Bldg. #341 (West St.) Elev. = 121.40' City Datum



Drawing File: E:\Eng\West Street Paving New\Land\dwg\WtrBase

Design:	T. Adere
Drawn:	Sonny
Approved:	J. F. Bradley
Scale:	1:20

Project No. 040048960 CAPITAL IMPROVEMENT PROJECT

WEST STREET WATER MAIN REPLACEMENT

Line 1, W.L. Sta. 29+ 86.35 to W.L. Sta 35+ 36.35

WEST STREET, SOUTH OF MAPLE TO SOUTH OF CENTRAL

November 2008

Baughman Company, P.A.
315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
Baughman ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

SHEET 8 OF 18

CAUTION
Existing GSL Crossing

W.L. Sta. 35+41.54 Line 1 = B.L. 1 Sta. 43+50.00 = Match Point.

Install 500.00 L.F. 12" Pipe

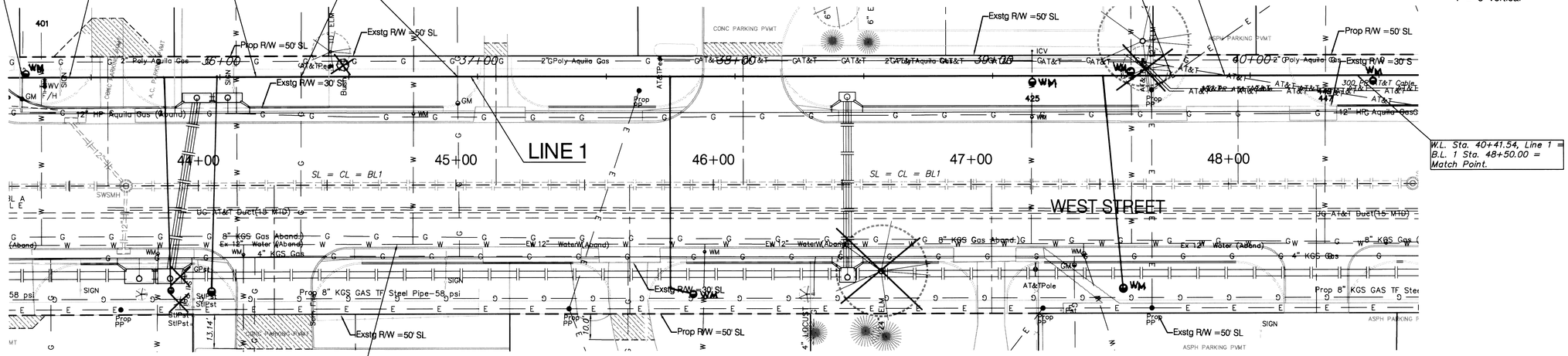
CAUTION
Existing GSL Crossing

CAUTION
Existing OHE Crossing

CAUTION
Existing UGAT&T Crossing

Note:
See Water Meter Table For Service Locations.

0 10 20
SCALE:
1" = 20' Horizontal
1" = 5' Vertical



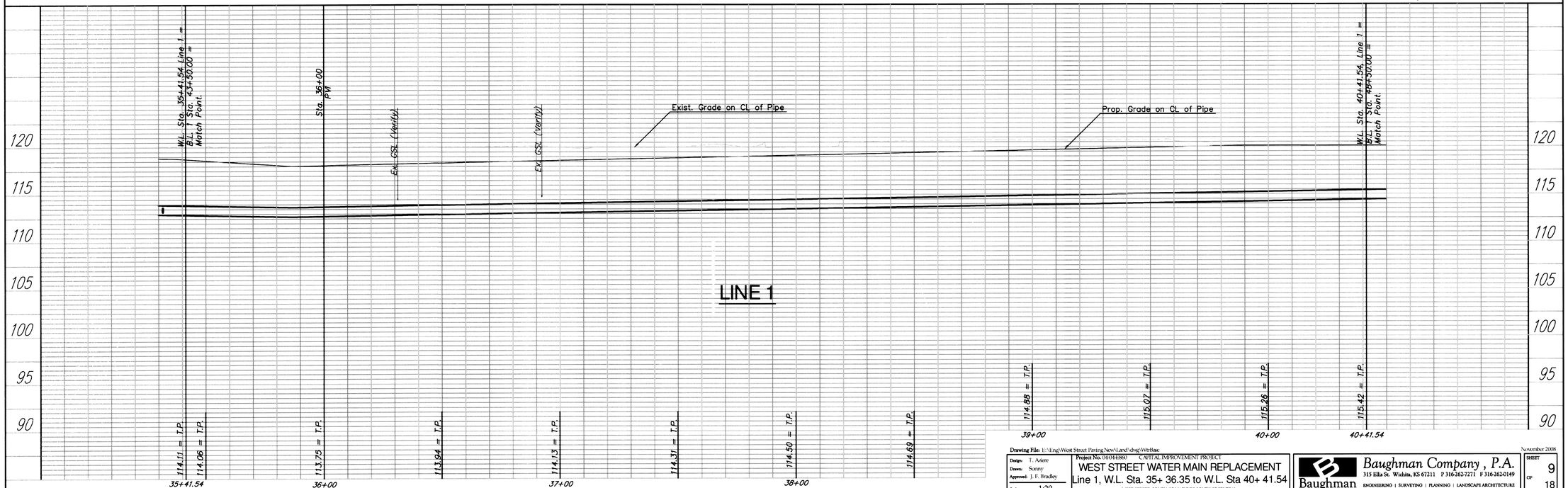
Abandon Existing 12" Water Line in Place in Accordance with City of Wichita Specs. Seal Both Ends. All Services Must Be Connected To New Main Prior to Abandonment.

LINE 1

Benchmark

BM #6 – "□" on Concrete Walk 2.0' E. of the N.E. Step at the S.E. Corner Bldg. #341 (West St.) Elev. = 121.40' City Datum

BM #7 – "□" on Top of Walk 8.0' W. of the N.E. Corner Bldg. #540 (West St.) Elev. = 121.78' City Datum



Drawing File: E:\Eng\West Street Paving\New\Land\dwg\WtrBase

Design:	T. Acere
Drawn:	Sonny
Approved:	J. F. Bradley
Scale:	1:20

Project No. 04-044860 CAPITAL IMPROVEMENT PROJECT

WEST STREET WATER MAIN REPLACEMENT

Line 1, W.L. Sta. 35+ 36.35 to W.L. Sta 40+ 41.54

WEST STREET, SOUTH OF MAPLE TO SOUTH OF CENTRAL

November 2008

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315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
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A.R 44574

49+90, 44' Lt

B.L. Sta. ~~49+11.00~~, ~~57.00~~' Lt.
Install 1–Air Release Assy.
See Air Release Detail on
Water Meter Table Sheet.
Top Elev. = 119.91

CAUTION Existing GSL Crossing

CAUTION Existing UGAT&T Crossing

W.L. Sta. 41+75.36, Line 1 =
B.L. 1 Sta. 49+83.82, 42.00' Lt.
Install 1–12"x 8" CIMJ Tee (W)
Install 1–8" Anch Valve Assy. (Gate Valve)(W)
Valve Box Elev. = 119.56 Top
Install ~~10.00~~ L.F. 8"-DICL Pipe (W)
Install 1–8" MJ Cap (W) w/ 2" BLOW OFF ASSY.
Install 1–12" Valve Assy. (Butterfly Valve)(S)
Valve Box Elev. = 119.50 Top

(W) 8" CLOW - V 44576
(S) 12" CLOW - V 44575
2" CLOW - V 44577

W.L. Sta. 42+00.15, Line 1 =
B.L. 1 Sta. 50+08.61 42.00' Lt.
Install 1–Fire Hydrant Assy. (E)
L = 3.50'
Valve Box Elev. 120.38 Top
Bury Line Elev. 119.55

6" CLOW - H14056
6" CLOW - V44578

W.L. Sta. 43+00.00, Line 1 =
B.L. 1 Sta. 51+08.46, 42.00' Lt.
3'-00'-00" Defl. (Rt.)

CAUTION Existing GSL Crossing

W.L. Sta. 43+66.80, Line 1 =
B.L. 1 Sta. 51+75.26, 38.50' Lt.
3'-00'-00" Defl. (Lt.)

Note:
See Water Meter Table For Service Locations.

SCALE:
1" = 20' Horizontal
1" = 5' Vertical

W.L. Sta. 40+41.54, Line 1 =
B.L. 1 Sta. 48+50.00 =
Match Point.

Prop R/W =50' SL

Exstg R/W =30' SL

Aquila Gas

300 PR AT&T Cable

12" HP Aquila Gas (Aband.)

Install 106.69 L.F. 12" Pipe

W.L. Sta. 41+49.39, Line 1 =
B.L. 1 Sta. 49+63.69, 49.00' Lt.
Tap Existing 24" PCSC Water Line
1–24 x 12" Tapping Sleeve
1–12" Tapping Valve w/Valve Box
Valve Box Elev. = 119.30 Top
To Be Furnished & Installed By
City of Wichita Water Dept.

W.L. Sta. 41+46.23, Line 1 =
B.L. 1 Sta. 49+54.69, 42.00' Lt.
Install 1" Tap for Air Release.
See Air Release Detail.

LINE 1

49+00

50+00

51+00

52+00

53+00

SL = CL = BL1

SWSMH

THIMBLE Sta 49+60.13 BL A

THIMBLE Sta 50+00 BL F

THIMBLE Sta 50+11.59 BL A

UG AT&T Duct(15 MTD)

8" KGS Gas (Aband.)

Ex 12" Water (Abandoned)

4" KGS Gas

Prop 8" KGS GAS TF Steel Pipe-58 psi

1200 PR AT&T Cable in 4" PVC Pipe

Exstg R/W =50' SL

Prop R/W 10x10

Permanent Drive Closure

Install 99.85 L.F. 12" Pipe

Install 66.80 L.F. 12" Pipe

Install 27.13 L.F. 12" Pipe

Install 24.79 L.F. 12" Pipe

Install 124.74 L.F. 12" Pipe

W.L. Sta. 44+91.54, Line 1 =
B.L. 1 Sta. 53+00.00 =
Match Point.

W.L. Sta. 41+41.54, Line 1 =
B.L. 1 Sta. ~~41+48.23~~, Line 1 =
B.L. 1 Sta. ~~49+56.60~~, 42.00' Lt.
Install 1–12" CIMJ Tee (W) Rolled
Install 7.00 L.F. 12" DICL Pipe (W)
Install 1–12" CIMJ 90° Bend (N)
Install 5.00 L.F. 12" DICL Pipe (N)
To Tapping Valve (See Detail Sh. 13

41+61.54

49+70

B.L. 1 Sta. 49+60.13 =
THIMBLE @ Intersection of
Center Line West Street &
St Louis W

LINE 7

Remove & Salvage Ex. Fire Hydrant & Valve Box. Deliver to City of Wichita. Cap Valve with Conc. Install 1–6" MJ Cap On FH Branch

Close Valve, Remove & Salvage Valve Box. Deliver to City of Wichita. Cap Valve with Conc. Install 1–12" MJ Plug (E)

Remove 35 L.F. Ex. 12" Wtr Line

B.L. 1 Sta. 50+11.59 =
THIMBLE @ Intersection of
Center Line West Street &
St Louis E

Install 1–12" MJ Cap

LINE 1

Abandon Existing 12" Water Line in Place in Accordance with City of Wichita Specs. Seal Both Ends. All Services Must Be Connected To New Main Prior to Abandonment.

Benchmark

BM #6 – "T" on Concrete Walk 2.0' E. of the N.E. Step at the S.E. Corner Bldg. #341 (West St.)
Elev. = 121.40' City Datum

BM #7 – "T" on Top of Walk 8.0' W. of the N.E. Corner Bldg. #540 (West St.)
Elev. = 121.78' City Datum

Exist. Grade on CL of Pipe

Prop. Grade on CL of Pipe

Ex. GSL (Verify)

Ex. 24" Wtr (Verify)

Ex. UG Street (Verify)

115.42 = T.P.
115.45 = T.P.
115.63 = T.P.
115.76 = T.P.
115.77 = T.P.
115.61 = T.P.
115.46 = T.P.
115.23 = T.P.
115.01 = T.P.
114.79 = T.P.
114.73 = T.P.
114.57 = T.P.
114.34 = T.P.
114.16 = T.P.

40+41.54
41+00
41+46.23
41+48.23
41+75.36
42+00.15
43+00
43+66.80
44+00
44+91.54

120
115
110
105
100
95
90

Drawing File: E:\Eng\West Street Paving Now\Land\dwg\WtrBasc

November 2008

Design: T. Axtere	Project No. 04-0443860 CAPITAL IMPROVEMENT PROJECT
Drawn: Sonny	WEST STREET WATER MAIN REPLACEMENT
Approved: J. F. Bradley	Line 1, W.L. Sta. 40+ 41.54 to W.L. Sta 44+ 91.54
Scale: 1:20	WEST STREET, SOUTH OF MAPLE TO SOUTH OF CENTRAL

Baughman Company, P.A.
315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
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SHEET 10 OF 18

W.L. Sta. 45+36.54, Line 1 =
B.L. 1 Sta. 53+45.00, 38.50' Lt.
Install 1-12"x 8" CIMJ Tee (E)
Install 1-8" Anch Valve Assy. (Gate Valve)(E)
Valve Box Elev. = 119.54 Top
~~3'-00"-00" Defl. (Lt.)~~

(E) 8"CLOW - V44579
16 LF - 8" DIP
1-8"- 45° BEND
3 LF - 8" DIP
1- 8"- 45° BEND (HORIZ)
58 LF - 8" PVC C-900
1- 8" 90° BEND (VERT.)
7.8" PVC C-900
1- 8"- 90° BEND (HORIZ.)
16 LF - 8" DIP
1- 8"x4" MJ REDUCER
→ CONNECT TO EXISTING 4" TRANSITE

W.L. Sta. 44+91.54, Line 1 =
B.L. 1 Sta. 53+00.00 =
Match Point.

Install 45.00 L.F. 12" Pipe

CAUTION
Existing 12" Gas Crossing

CAUTION
Existing OHE Crossing

Close Valve, Remove & Salvage Valve Box. Deliver to City of Wichita. Cap Valve with Conc. Install 1-6" MJ Cap (E)

CAUTION
Existing GSL Crossing

CAUTION
Existing UGAT&T Crossing

CAUTION
Existing 24" SWS Crossing

Abandon Existing 12" Water Line in Place in Accordance with City of Wichita Specs. Seal Both Ends. All Services Must Be Connected To New Main Prior to Abandonment.

8"x4" REDUCER

Install 66.80 L.F. 12" Pipe

Install 249.93 L.F. 12" Pipe

W.L. Sta. 46+03.34, Line 1 =
B.L. 1 Sta. 54+11.80, 42.00' Lt.
13'-00'-00" Defl. (Rt.)

LINE 8

88 LF 1" POLY W/TRACER WIRE

2 SERVICES IN COMMON BORE. TRACER WIRE IN METER BOX

LINE 1

6"CLOW - H14057
6"CLOW - V44580

W.L. Sta. 48+53.27, Line 1 =
B.L. 1 Sta. 56+61.73, 42.00' Lt.
Install 1-Fire Hydrant Assy. (E)
L = 3.50'
Valve Box Elev. 120.38 Top
Bury Line Elev. 120.15

Install 138.27 L.F. 12" Pipe

W.L. Sta. 49+91.54, Line 1 =
B.L. 1 Sta. 58+00.00 =
Match Point.

Note:
See Water Meter Table For Service Locations.

SCALE:
1" = 20' Horizontal
1" = 5' Vertical

WEST STREET

SL = CL = BL1

Exstg R/W = 60' SL

Exstg R/W = 50' SL

Remove & Salvage Ex. Fire Hydrant & Valve Box. Deliver to City of Wichita. Cap Valve with Conc. Install 1-6" MJ Cap On FH Branch

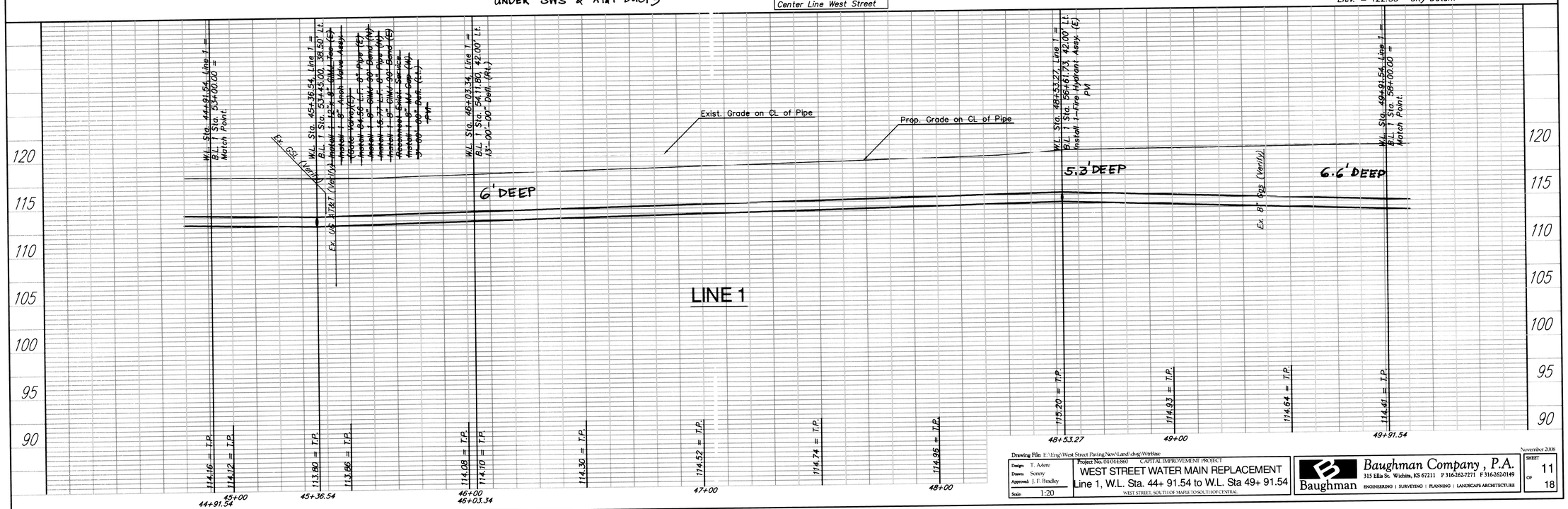
B.L. 1 Sta. 56+20.38 =
THIMBLE @
Center Line West Street

NOTE: WL SERVICES 9'-10' DEEP TO GET UNDER SWS & AT&T DUCTS

Benchmark

BM #7 – ☐ on Top of Walk 8.0' W. of the N.E. Corner Bldg. #540 (West St.)
Elev. = 121.78' City Datum

BM #8 – ☐ on Top of Retaining Wall 50.0' N. and 50.0' W. of ℄ of Both Central and West St.
Elev. = 122.53' City Datum



Drawing File: E:\Eng\West Street Paving New\Land\dwg\WrtBase

Design:	T. Aviere
Drawn:	Sonny
Approved:	J. F. Bradley
Scale:	1:20

Project No. 04-014-8860 CAPITAL IMPROVEMENT PROJECT

WEST STREET WATER MAIN REPLACEMENT

Line 1, W.L. Sta. 44+ 91.54 to W.L. Sta 49+ 91.54

WEST STREET; SOUTH OF MAPLE TO SOUTH OF CENTRAL

November 2008

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SHEET 11 OF 18

W.L. Sta. 49+91.54, Line 1 = B.L. 1 Sta. 58+00.00 = Match Point.

CAUTION Existing 12" SWS Crossing

CAUTION Existing OHE Crossing

Install 394.43 L.F. 12" Pipe

LINE 1

CAUTION Existing GSL Crossing

CAUTION Existing GSL Crossing

W.L. Sta. 53+85.97, Line 1 = B.L. 1 Sta. 61+94.43, 42.00' Lt. Install 1–Fire Hydrant Assy. (W) L = 11.00' Valve Box Elev. 121.30 Top Bury Line Elev. 121.60

Note: See Water Meter Table For Service Locations.

CAUTION Existing Traff. Intercon. Crossing

W.L. Sta. 55+04.20, End Line 1 = B.L. 1 Sta. 63+12.66, 41.60' Lt. Tap Existing 12" PVC Water Line 1–12 x 12" Tapping Sleeve 1–12" Tapping Valve w/Valve Box Valve Box Elev. = 122.28 Top To Be Furnished & Installed By City of Wichita Water Dept.

0 10 20

SCALE: 1" = 20' Horizontal 1" = 5' Vertical

CAUTION Existing 2" Aquila Crossing

Exstg R/W =60' SL

Exstg R/W =50' SL

WEST STREET

CENTRAL

LINE 9

Install 118.23 L.F. 12" Pipe

CAUTION Existing 15" SWS Crossing

CAUTION Prop UGAT&T Crossing

Abandon Existing 12" Water Line in Place in Accordance with City of Wichita Specs. Seal Both Ends. All Services Must Be Connected To New Main Prior to Abandonment.

LINE 1

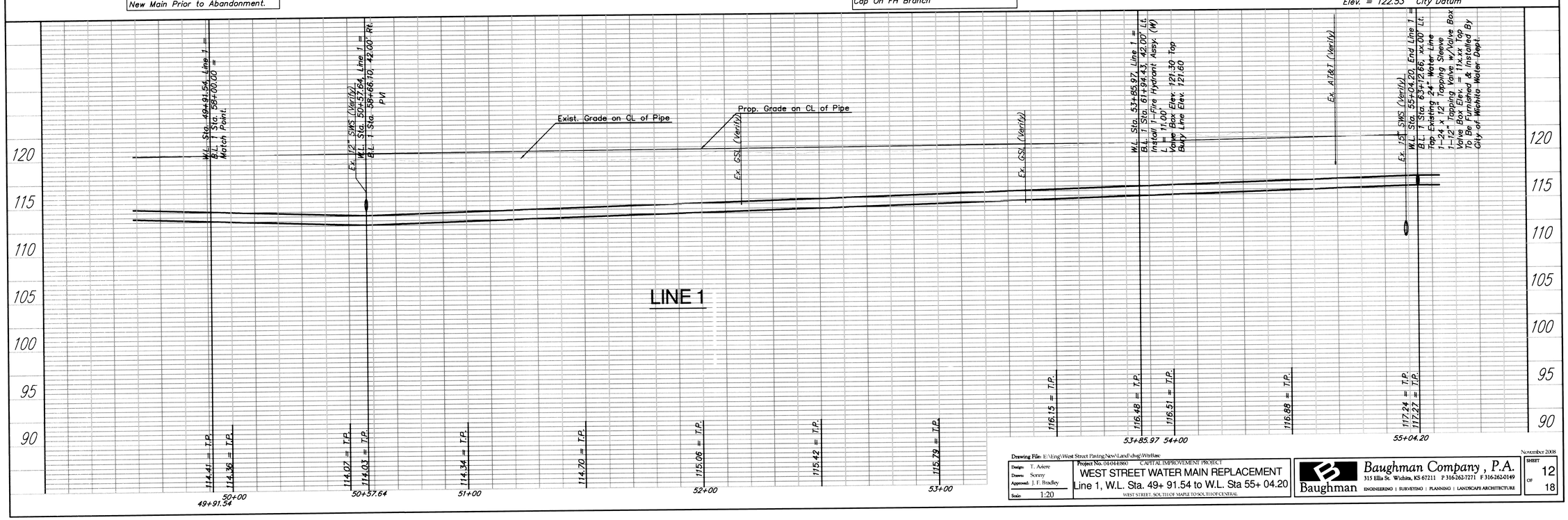
Remove & Salvage Ex. Fire Hydrant & Valve Box. Deliver to City of Wichita. Cap Valve with Conc. Install 1–6" MJ Cap On FH Branch

B.L. 1 Sta. 65+75.92 = THIMBLE @ Center Line West Street & Central

Close Valve, Remove & Salvage Valve Box. Deliver to City of Wichita. Cap Valve with Conc. Install 1–12" MJ Cap (S)

Benchmark

BM #8 – "□" on Top of Retaining Wall 50.0' N. and 50.0' W. of ℄ of Both Central and West St. Elev. = 122.53' City Datum



Drawing File: E:\Eng\West Street Paving\New\Land\chog\WstBase

Design: T. Aviere
Drawn: Sonny
Approved: J. F. Bradley
Scale: 1:20

Project No. 04044860 CAPITAL IMPROVEMENT PROJECT

WEST STREET WATER MAIN REPLACEMENT

Line 1, W.L. Sta. 49+ 91.54 to W.L. Sta 55+ 04.20

WEST STREET, SOUTH OF MAPLE TO SOUTH OF CENTRAL

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Baughman ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

November 2008

SHEET 12 OF 18

Drawing File: E:\Eng\West Street Paving New\Land\dwg\WtrBase

Design: T. Aviere
Drawn: Sonny
Approved: J. F. Bradley
Scale: 1:20

Project No. 04-04-E860 CAPITAL IMPROVEMENT PROJECT

WEST STREET WATER MAIN REPLACEMENT

Line 2 & Line 3

WEST STREET, SOUTH OF MAPLE TO SOUTH OF CENTRAL

Baughman Company, P.A.
315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

November 2008

SHEET 13 OF 18

(S) 8"CLOW - V44587
30'N OF ℄ OF DOUGLAS ST.
248'W OF ℄ OF WEST ST.
98'E OF ℄ OF COLORADO ST.

(W) 2"CLOW - V44586
34'N OF ℄ OF DOUGLAS ST.
252'W OF ℄ OF WEST ST.
94'E OF ℄ OF COLORADO ST

W.L. Sta. 1+91.24, Line 4 = B.L. 3 Sta. 17+61.40, 32.30' Lt.
Install 1–8" CIMJ Tee (S)
Install 1–8" Anchor Valve Assy (Gate Valve) (S)
Valve Box Elev. 119.18 Top
Install 3' L.F. 8" DICL Pipe (W)
Install 1–2" Blowoff Assy (W)
Extend 8" Water Main South
Valve Box Elev. 119.18 Top

Install 55.80 L.F. 8" Pipe Swabbed with Chlorine

CAUTION Existing 12" Water Crossing

CAUTION Existing 3" Gas Crossing

W.L. Sta. 2+47.04, End Line 4 = B.L. 3 Sta. 17+61.40, 23.50' Rt.
Install 1–8" 90° CIMJ Bend (W)
Conn. to Exstg 8" Water Line
Install 1–8" MJ Cap (E)

CAUTION Existing OHE Crossing

Abandon Existing 8" Water Line in Place in Accordance with City of Wichita Specs. Seal Both Ends. All Services Must Be Connected To New Main Prior to Abandonment.

Abandon Existing 8" Water Line in Place in Accordance with City of Wichita Specs. Seal Both Ends. All Services Must Be Connected To New Main Prior to Abandonment.

W.L. Sta. 0+13.85 Line 5 = B.L. 3 Sta. 15+57.92, 32.30' Lt.
Install 1–8" 45° CIMJ Bend (Up)
Install ~~5.44~~ L.F. 8" DICL Pipe

W.L. Sta. 0+10.00 Line 5 = B.L. 3 Sta. 15+54.07, 32.30' Lt.
Install 1–8" 45° CIMJ Bend (Dn)
Install ~~10.00~~ L.F. 8" DICL Pipe

W.L. Sta. 0+00.00, Begin Line 4 =
W.L. Sta. 0+00.00, Begin Line 5 =
W.L. Sta. 15+44.07, Line 1 =
B.L. 3 Sta. 19+52.64, 32.30' Lt.
Connect to Valve on Line 1
Extend 8" Water Main East.
Extend 8" Water Main West.

CAUTION Existing 3" Gas Crossing

CAUTION Existing 12" Gas Crossing

CAUTION Existing 10" Gas Crossing

CAUTION Existing UGAT&T Crossing

CAUTION Prop 24" SWS Crossing

CAUTION Existing 4" Gas Crossing

CAUTION Existing 3" Gas Crossing

CAUTION Prop 15" SWS Crossing

(S) 8"CLOW - V44590
6.5'N OF N F/C ON DOUGLAS & 55.8'W OF ℄ OF ILLINOIS ST.

(E) 2"CLOW - V44589
8'N OF N F/C ON W DOUGLAS & 52'W OF ℄ OF ILLINOIS

W.L. Sta. 3+31.41, Line 5 = B.L. 3 Sta. 22+83.65, 32.00' Lt.
Install 1–8" Anchor Valve Assy (Gate Valve) (S)
Install 3' L.F. 8" DICL Pipe (E)
Install 1–2" Blowoff Assy (E)
Extend 8" Water Main South
Valve Box Elev. 118.09 Top

Install 6.81 L.F. 8" DICL Pipe Swabbed with Chlorine

2"VALVE W/BOX - 2"CLOW - V 4.7'S OF N F/C ON WEST DOUGLAS & 3.5'E OF SWS INLET

Install 327.56 L.F. 8" Pipe

CONNECT TO EXISTING METER

2" METER ASSEMBLY

3929 W DOUGLAS

ABANDONED WL

EXISTING 8" WL

22"-8" DIP

2" PVC

Water Line Relocation # 1

Close Valve, Remove & Salvage Valve Box. Deliver to City of Wichita. Cap Valve with Conc.

B.L. 1 Sta. 23+21.03 = B.L. 3 Sta. 20+00.00 = THIMBLE @ Intersection of Center Line West Street & Douglas

W.L. Sta. 3+38.22, End Line 5 = B.L. 3 Sta. 22+83.65, 25.19' Lt.
Install 1–8" 90° CIMJ Bend (E)
Conn. to Exstg 8" Water Line (E)
Install 1–8" MJ Cap (W)

LINE 4

LINE 5

LINE 1

WEST ST

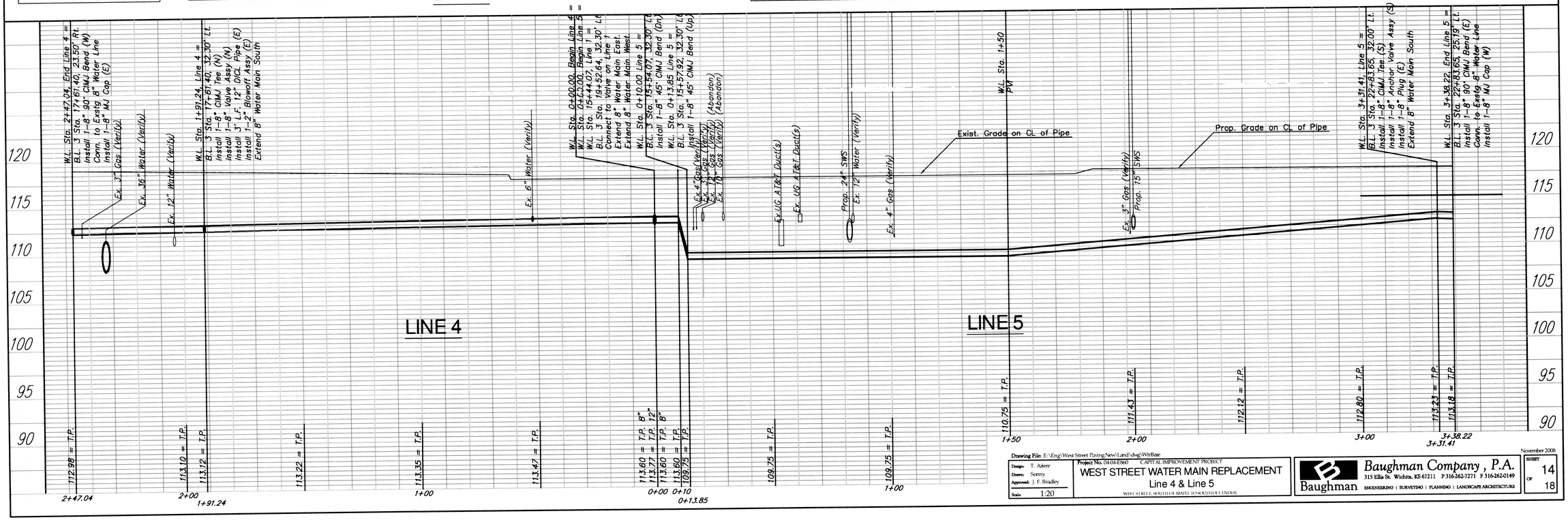
DOUGLAS

SCALE:
1" = 20' Horizontal
1" = 5' Vertical

Benchmark

BM #2 – "□" on Top Parking Island 7.0' N. and 24.0' W. of the N.W. Corner Bldg. #220 (West St.) Elev. = 120.44' City Datum

BM #3 – "□" on Top of 0.8' Curb at S.W. Corner Lot 4, Black & Towns Add., 156'± E. and 40'± N. of ℄ of Both Douglas and West St. Elev. = 118.76' City Datum



Drawing File: E:\Eng\West Street Paving New\Land\dwg\WtrBase
November 2008

Project No. 04-04-E860 CAPITAL IMPROVEMENT PROJECT

WEST STREET WATER MAIN REPLACEMENT
Line 4 & Line 5
WEST STREET, SOUTH OF MAPLE TO SOUTH OF CENTRAL

Designs: T. Adere
Drawn: Sonny
Approved: J. F. Bradley
Scale: 1:20

Baughman Company, P.A.
315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

SHEET 14 OF 18

SCALE:
1" = 20' Horizontal
1" = 5' Vertical

Center Line West Street & Second Street E

Close Valve, Remove & Salvage Valve Box. Deliver to City of Wichita. Cap Valve with Conc.

Install 94.06 L.F. 8" Pipe

W.L. Sta. 0+94.06 Line 6 – B.L. 4 Sta. 30+45.77, 4.00' Rt. Install 1–8" 45° CIMJ Bend (Up)

Install 8.33 L.F. 8" DICL Pipe

W.L. Sta. 0+99.95, Line 6 = B.L. 4 Sta. 31+36.65, 4.00' Rt. Install 1–8" CIMJ 45° Bend (Dn)

Install 107.92 L.F. 8" Pipe

2"CLOW - V44951 - 13.8'N OF S F/C ON 2ND ST. & 114.5'E OF E PL ON WEST ST.
Install 1–2" Custom Set & Service Reconnect Water Service Valve Box Elev. = 119.07 Remove Existing Vault

Valve with Conc. Install 1–2" MJ Cap On Service Branch

Install 87.58 L.F. 8" Pipe

W.L. Sta. 2+95.45, Line 6 = B.L. 4 Sta. 32+47.15, 4.00' Rt. Install 1–8" CIMJ Tee (S) Install 1–8" Anchor Valve Assy (Gate Valve) (S) Install 3' L.F. 8" DICL Pipe (E) Install 1–2" Blowoff Assy (E) Extend 8" Water Main South Valve Box Elev. 119.19 Top

(S) 8"CLOW - V44592 9.5'N OF S F/C ON 2ND ST. & 183.2'E OF E PL ON WEST ST.
(E) 2" CLOW - V44593 - 11'N OF S F/C ON 2ND ST. & 187.4'E OF E PL ON WEST ST.
NOTE: BLOW OFF RISER IN ADJ. VALVE BOX OR 2'E OF V44593

Install 8.21 L.F. 8" DICL Pipe Swabbed with Chlorine

CAUTION Existing GSL Crossing
CAUTION Prop SWS RCB Crossing
CAUTION Existing 18" SWS Crossing
CAUTION Existing UGAT&T Crossing
CAUTION Existing 8" Gas Crossing
CAUTION Existing 12" Gas Crossing
CAUTION Prop 18" SWS Crossing
CAUTION Existing OHE Crossing
CAUTION Existing UGAT&T Crossing
CAUTION Existing 4" Gas Crossing
CAUTION Prop 42" SWS Crossing
CAUTION Existing 12" Water Crossing

WEST ST
SECOND
LINE 1
LINE 6
CL = BL4
Exstg R/W = 35' SL
Exstg R/W = 40' SL
30+00
31+00
32+00
36+00
LOCATOR HEAD
Prop 4" KGS Gas TF Steel Pipe–58 psi
900' PR AT&T Cable
Abandon Existing 8" Water Line
Benchmark
BM #4 – "T" on Concrete Next to Walk 10.0' E. of the S.E. Corner Bldg. #215, Bosley Tire (West St.) Elev. = 118.95' City Datum
BM #5 – City Disc 34.0' W. and 18.0' S. of ℄ of Both 2nd St. and West St. Elev. = 118.87' City Datum

W.L. Sta. 3+03.66, End Line 6 = B.L. 4 Sta. 32+47.15, 12.21' Rt. Install 1–8" 90° CIMJ Bend (E) Conn. to Exstg 8" Water Line (E) Install 1–8" MJ Cap (W)

Abandon Existing 8" Water Line in Place in Accordance with City of Wichita Specs. Seal Both Ends. All Services Must Be Connected To New Main Prior to Abandonment.

Close Valve, Remove & Salvage Valve Box. Deliver to City of Wichita. Cap Valve with Conc.

W.L. Sta. 00+00.00, Begin Line 6 = W.L. Sta. 28+22.58, Line 1 = B.L. 4 Sta. 29+51.72, 4.00' Rt. Connect to Valve of Line 1 (E) Extend 8" Water Main East.

Center Line West Street & St Louis E

B.L. 1 Sta. 49+60.13 = THIMBLE @ Intersection of Center Line West Street & St Louis W

LINE 1
WEST ST
ST LOUIS
42+00
50+00
60+00
THIMBLE Sta 49+60.13 BL A = Sta. 50+00 BL F
THIMBLE Sta 60+11.59 BL A = Sta. 60+00.00 BL F
Water Line Relocation # 2
SEE RELOCATION #2

W.L. Sta. 0+28.00, Line 7 = B.L. 1 Sta. 50+21.62, 62.00' Rt. Tap Existing 24" Water Line 1–24 x 8" Tapping Sleeve 1–8" Tapping Valve w/Valve Box Valve Box Elev. = 119.37 Top To Be Furnished & Installed By City of Wichita Water Dept.
SEE RELOCATION #2

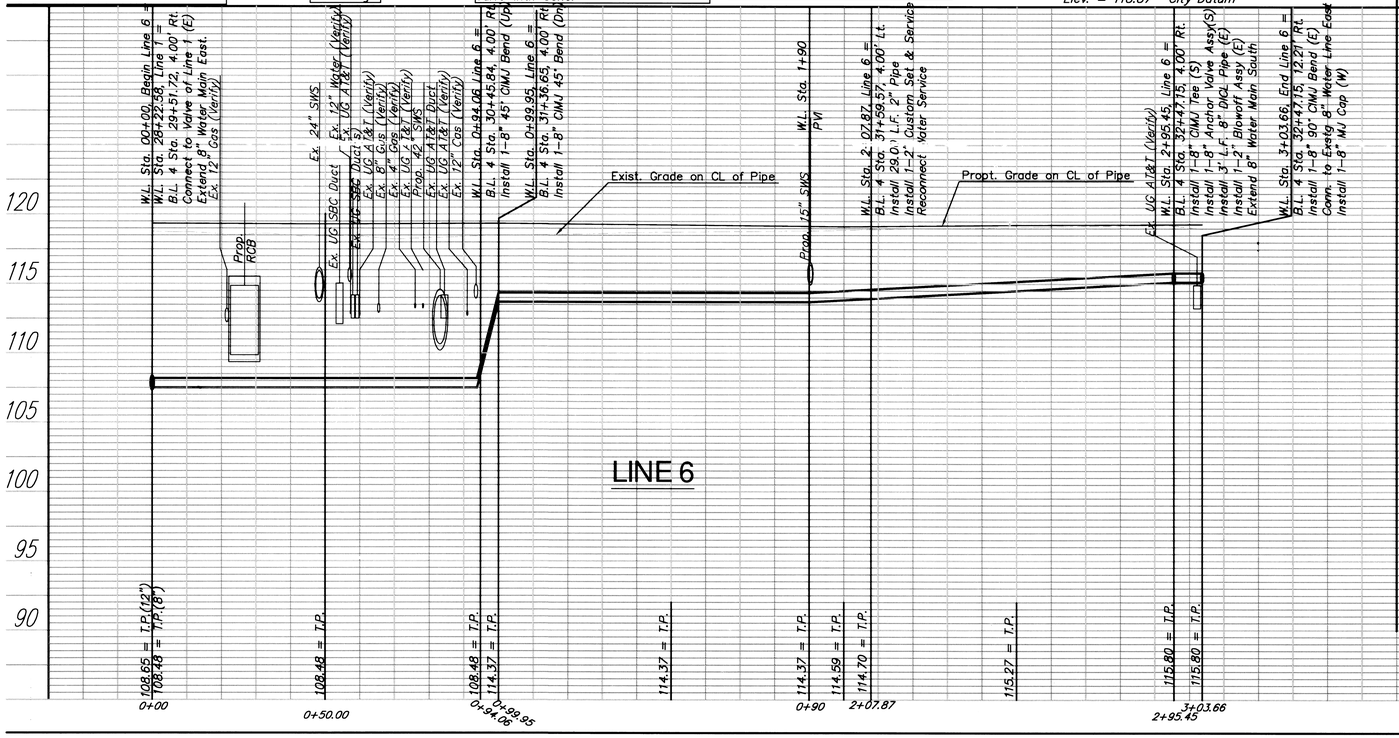
Close Valve, Remove & Salvage Valve Box. Deliver to City of Wichita. Cap Valve with Conc.

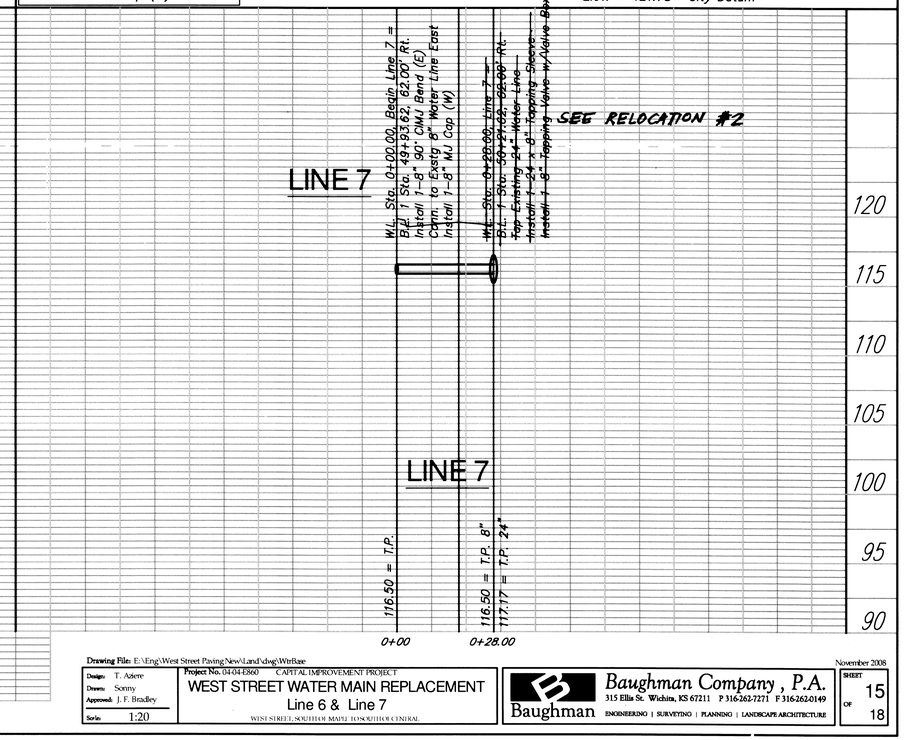
Abandon Existing 8" Water Line in Place in Accordance with City of Wichita Specs. Seal Both Ends. All Services Must Be Connected To New Main Prior to Abandonment.

W.L. Sta. 0+00.00, Begin Line 7 = B.L. 1 Sta. 49+93.62, 62.00' Rt. Install 1–8" 90° CIMJ Bend (E) Conn. to Exstg 8" Water Line (E) Install 1–8" MJ Cap (W)

Install 28.00 L.F. 8" Pipe Pipe Swabbed with Chlorine

LINE 7
Benchmark
BM #6 – "T" on Concrete Walk 2.0' E. of the N.E. Step at the S.E. Corner Bldg. #341 (West St.) Elev. = 121.40' City Datum
BM #7 – "T" on Top of Walk 8.0' W. of the N.E. Corner Bldg. #540 (West St.) Elev. = 121.78' City Datum





Drawing File: E:\Eng\West Street Paving\New\Land\dwg\WtrBase
November 2008

Design: T. Adere	Project No. 04-04-E860 CAPITAL IMPROVEMENT PROJECT
Drawn: Sonny	WEST STREET WATER MAIN REPLACEMENT
Approved: J. F. Bradley	Line 6 & Line 7
Scale: 1:20	WEST STREET, SOUTH OF MAPLE TO SOUTH OF CENTRAL

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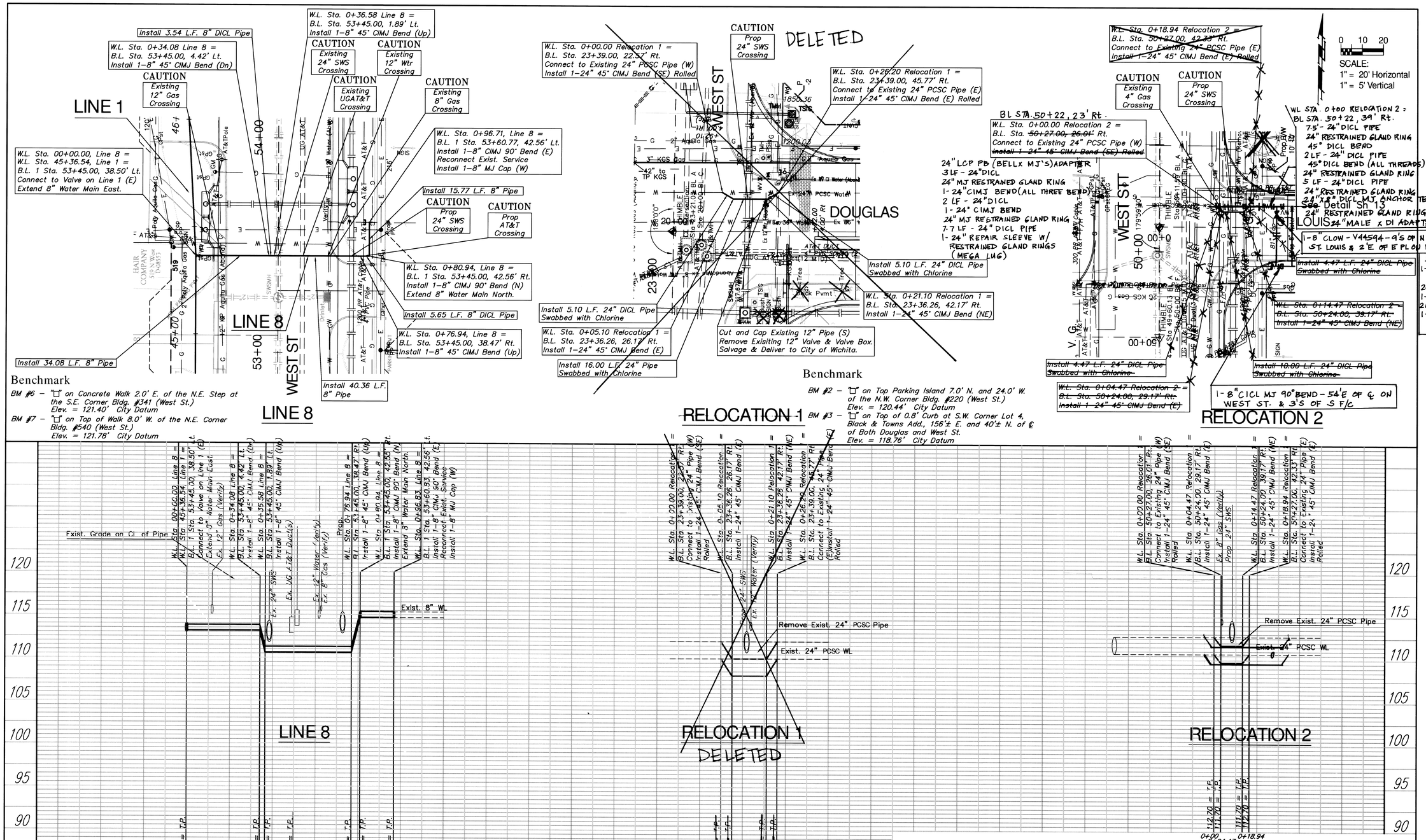
SHEET 15 OF 18



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Design:	T. Adere
Drawn:	Sonny
Approved:	J. F. Bradley
Scale:	1:20

Project No. 04-04-E860 CAPITAL IMPROVEMENT PROJECT

WEST STREET WATER MAIN REPLACEMENT

Line 8

WEST STREET, SOUTH OF MAPLE TO SOUTH OF CENTRAL

November 2008

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SHEET 16 OF 18

W.L. Sta. 0+00.00, Begin Line 9 =
B.L. 1 Sta. 63+12.66, 34.60' Lt.
Tap Existing 12" Water Line
1–12 x 12" Tapping Sleeve
1–12" Tapping Valve w/Valve Box
Valve Box Elev. = 112.42 Top
To Be Furnished & Installed By
City of Wichita Water Dept.

Install 265.50 L.F. 12" Pipe

CAUTION
Existing
UG Traff.
Crossing

CAUTION
Existing
GSL
Crossing

CAUTION
Existing
GSL
Crossing

Note:
See Water Meter
Table For Service
Locations.

W.L. Sta. 2+65.50, Line 9 =
B.L. 1 Sta. 65+78.52, ~~31.66'~~ 33' Lt.
Install 1–12" CIMJ Tee (E)
Install 1–12" Valve Assy (Butterfly Valve) (E)
Valve Box Elev. 120.10 Top
Deflect Pipe 2°50'34" (Up)
Install 3.00 L.F. 12" DICL Pipe (N) Install
1–2" Blowoff Assy (N)
Valve Box Elev. 120.58 Top

12"CLOW - V44595
(N) 2"CLOW - V44596

CAUTION
Prop
UGAT&T
Crossing

CAUTION
Existing
15" SWS
Crossing

CAUTION
Existing
12" Aquila
Crossing

CAUTION
Existing
24" SWS
Crossing

Install 53.82 L.F. 12" Pipe

CAUTION
Existing
24" SWS
Crossing

CAUTION
Existing
AT&T
Crossing

LINE 9

WEST STREET

63+00 64+00 SL = CL = BL1 65+00 SL = CL = BL1 66+00

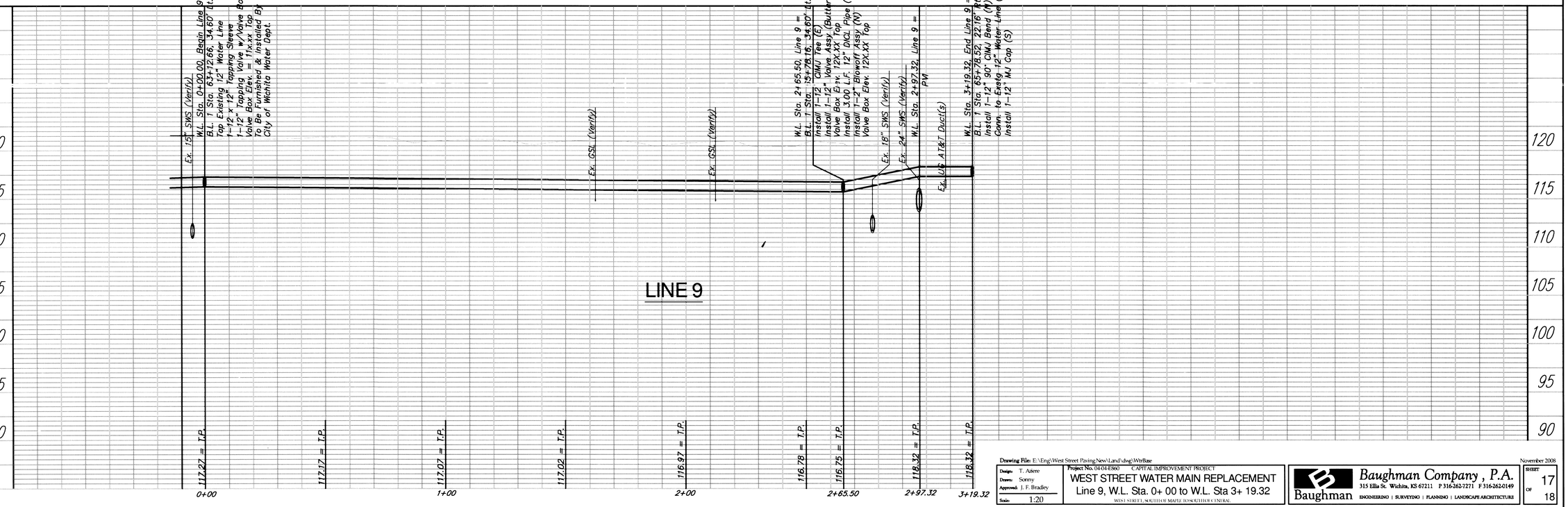
0+00 1+00 2+00

Abandon Existing 12" Water Line in
Place in Accordance with City of
Wichita Specs. Seal Both Ends.
All Services Must Be Connected To
New Main Prior to Abandonment.

LINE 9

W.L. Sta. 3+19.32, End Line 9 =
B.L. 1 Sta. 65+78.52, 22.16' Rt.
Install 1–12" 90° CIMJ Bend (N)
Conn. to Exstg 12" Water Line (N)
Install 1–12" MJ Cap (S)

0 10 20
SCALE:
1" = 20' Horizontal
1" = 5' Vertical



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Design: T. Adere	Project No. 04-04-E860 CAPITAL IMPROVEMENT PROJECT
Drawn: Sonny	WEST STREET WATER MAIN REPLACEMENT
Approved: J. F. Bradley	Line 9, W.L. Sta. 0+ 00 to W.L. Sta 3+ 19.32
Scale: 1:20	WEST STREET, SOUTH OF MAPLE TO SOUTH OF CENTRAL

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November 2008
SHEET 17 OF 18

West Street Water Meter Adjustments Table

Address	B.L. Sta.	Ex. Offset	New Offset	Status	Remarks	Meter No.
238 S. West	11+99.56	36.98 Rt	--	Aband	Remove	
233 S. West	13+17.44	39.04 Lt	--	Active	Short	
232 S. West	13+99.39	34.42 Rt	--	Aband	Remove	
232 ½ S. West	14+08.94	34.86 Rt	--	Aband	Remove	
232 S. West	14+36.89	35.18 Rt	--	Active	Long	
225 S. West	14+79.60	34.28 Lt	--	Active	Short	
226 S. West	15+59.00	27.00 Rt	--	Active	Long	
224 S. West	15+60.46	30.38 Rt	--	Active	Long	
220 S. West	15+60.46	30.39 Rt	--	Active	Long	
209 S. West	16+20.82	30.03 Lt	--	Active	Short	
155 S. West	16+90.59	27.82 Lt	--	Active	Short	
160 S. West	17+56.86	31.26 Rt	--	Active	Long	
150 S. West	17+98.10	30.86 Rt	--	Active	Long	
140 S. West	18+47.86	32.13 Rt	--	Active	Long	
123 S. West	18+65.40	27.11 Lt	--	Active	Short	
125 S. West	18+65.40	27.11 Lt	--	Active	Short	
129 S. West	19+32.01	26.90 Lt	--	Aband	Remove	
133 S. West	19+32.01	26.90 Lt	--	Aband	Remove	
130 S. West	19+75.37	32.38 Rt	--	Active	Long	
119 S. West	20+74.08	43.01 Lt	--	Active	2" Set & Svc	
100 S. West	22+47.39	31.08 Rt	--	Aband	Remove	
105 N. West	24+67.11	27.41 Lt	--	Aband	Remove	
114 N. West	25+80.43	33.80 Rt	--	Active	Long	
3940 W. Douglas	26+22.90	41.21 Rt	--	Active	Long	
123 N. West	27+02.30	26.17 Lt	--	Active	Short	
122 N. West	27+52.92	33.90 Rt	--	Active	Long	
126 N. West	27+57.06	33.90 Rt	--	Active	Long	
141 N. West	27+82.93	26.16 Lt	--	Aband	Remove	
132 N. West	29+03.03	34.58 Rt	--	Active	Long	
137 N. West	29+28.33	26.13 Lt	--	Active	Short	
207 N. West	29+87.39	32.84 Lt	--	Active	Short	
201 N. West	30+45.29	25.77 Lt	--	Active	Short	
215 N. West	30+93.92	25.81 Lt	--	Active	Short	
219 N. West	31+69.28	28.89 Lt	--	Active	Short	
216 N. West	31+77.60	36.05 Rt	--	Active	Long	
212 N. West	31+85.50	28.75 Rt	--	Active	Long	
220 N. West	31+97.35	32.50 Rt	--	Active	Long	
224 N. West	31+97.35	32.50 Rt	--	Active	Long	
221 N. West	31+98.28	29.47 Lt	--	Active	Short	
225 N. West	32+29.61	25.56 Lt	--	Active	Short	
229 N. West	33+41.67	26.44 Lt	--	Active	Short	
231 N. West	34+19.76	27.50 Lt	--	Active	Short	
303 N. West	37+12.94	27.22 Lt	--	Active	Short	
311 N. West	38+02.65	25.79 Lt	--	Active	Short	
308 N. West	38+65.03	36.15 Rt	--	Active	Long	

Second Street Water Meter Adjustments Table

Address	2nd B.L. Sta.	Ex. Offset	New Offset	Status	Remarks	Meter No.
248 N. West	31+60.56	33.36 Rt	--	Active	2" Set & Svc	
302 N. West	31+66.32	17.04 Lt	--	Active	Long	

SEE ATTACHED SHEETS

West Street Water Meter Adjustments Table

Address	B.L. Sta.	Ex. Offset	New Offset	Status	Remarks	Meter No.
333 N. West	39+72.32	30.67 Lt	--	Active	Short Lawn	
333 N. West	39+69.39	28.33 Lt	--	Aband	Remove	
312 N. West	39+72.71	27.05 Rt	--	Active	Long	
314 N. West	40+67.05	26.29 Rt	--	Active	Long	
339 N. West	41+01.02	26.11 Lt	--	Active	Short	
320 N. West	42+46.13	26.29 Rt	--	Aband	Remove	
341 N. West	42+58.85	26.10 Lt	--	Active	Short	
401 N. West	43+39.41	30.98 Lt	--	Aband	Remove	
400 N. West	43+84.33	26.36 Rt	--	Active	Long	
405 N. West	44+14.88	30.87 Lt	--	Active	Short	
410 N. West	44+17.46	27.09 Rt	--	Active	Long	
435 N. West	44+83.57	27.56 Lt	--	Active	Short	
438 N. West	45+96.56	25.95 Rt	--	Active	Long	
425 N. West	47+23.65	26.11 Lt	--	Active	Short Lawn	
446 N. West	47+43.66	27.00 Rt	--	Active	Long	
425 N. West	47+62.30	32.26 Lt	--	Active	Short	
449 N. West	48+37.58	26.55 Lt	--	Aband	Remove	
445 N. West	49+28.53	27.40 Lt	--	Active	Short	
503 N. West	50+49.83	26.56 Lt	--	Active	Short	
506 N. West	51+54.57	26.43 Lt	--	Aband	Remove	
503 N. West	52+19.60	30.18 Lt	--	Active	Short	
509 N. West	52+34.01	26.79 Lt	--	Active	Short	
511 N. West	52+34.01	26.79 Lt	--	Active	Short	
519 N. West	53+50.82	26.54 Lt	--	Active	Short	
540 N. West	54+19.31	32.05 Rt	--	Active	Long	
527 N. West	55+02.33	34.65 Lt	--	Aband	Remove	
550 N. West	55+22.33	32.17 Rt	--	Active	Long Lawn	
550 N. West	55+29.22	34.12 Rt	--	Active	Long	
602 N. West	56+93.85	38.83 Rt	--	Active	Long	
608 N. West	58+04.53	42.47 Rt	--	Active	Long	
601-401 N. West	59+15.48	48.64 Lt	--	Active	Short	
601-501 N. West	60+18.28	48.27 Lt	--	Active	Short	
608 N. West	60+19.45	58.18 Rt	--	Active	Long	
702 N. West	63+82.98	44.68 Rt	--	Active	Long	
703 N. West	64+76.35	39.24 Lt	--	Active	Short	
705 N. West	64+82.76	39.54 Lt	--	Active	Short	
715 N. West	65+74.15	37.96 Lt	--	Active	Short	

Central Street Water Meter Adjustments Table

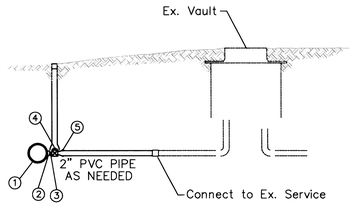
Address	Central B.L. Sta.	Ex. Offset	New Offset	Status	Remarks	Meter No.
4110 W. Central	54+32.92	40.79 Lt	--	Active	Short	
4040 W. Central	56+65.80	40.71 Lt	--	Active	Short	
4004 W. Central	58+28.56	43.33 Lt	--	Active	Short	
4002 W. Central	58+30.81	43.48 Lt	--	Active	Short	
701 N. West	58+85.74	38.20 Lt	--	Active	Short Lawn	
601-523 N. West	58+71.20	46.57 Rt	--	Active	Long	

Maple Street Water Meter Adjustments Table

Address	Maple B.L. Sta.	Ex. Offset	New Offset	Status	Remarks	Meter No.
4005 W. Maple	8+99.29	53.92 Rt	--	Aband	Remove	
259 S. West	8+83.42	57.27 Lt	--	Active	Short	

Douglas Ave. Water Meter Adjustments Table

Address	Douglas B.L. Sta.	Ex. Offset	New Offset	Status	Remarks	Meter No.
105 S. West	18+42.42	26.17 Rt	--	Aband	Remove	
4000 W. Douglas	19+00.51	19.70 Lt	--	Aband	Remove	
100 N. West	21+47.25	31.06 Lt	--	Aband	Remove	
100 N. West	21+49.39	31.09 Lt	--	Aband	Remove	



MATERIALS LIST:
1. EXISTING WATER MAIN, PIPE DIAMETER="D"
2. "D" x 2" BRASS SADDLE
3. 2" X 3" BRASS NIPPLE
4. 2"CURBSTOP AY MCDONALD, FORD B11-777, MUELLER 300 B20283 (WITH STANDARD VALVE BOX)
5. 2" F PVC TO MIPT ADAPTER FORD C87-77

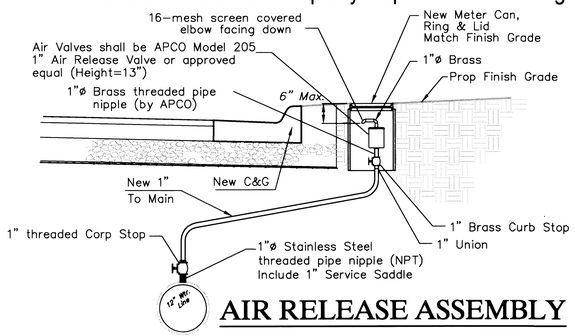
2" SERVICE OUTLET ASSY

NOTE:
Removal of Abandoned Meter Boxes shall not be paid for directly, but shall be included in the lump sum bid Item "Site Clearing".

Water System Quantities (For Information Only)

Bill of Materials	Quantity	Unit
W.L. Pipe 2 in	207	ft
WL Pipe 8 in	973	ft
WL Pipe 12 in	6055	ft
DICL SJ Pipe 4 in	3	ft
DICL SJ Pipe 6 in	3	ft
DICL SJ Pipe 8 in	67	ft
DICL SJ Pipe 12 in	79	ft
Anchor Valve Assembly 4" (Gate Valve)	1	EA.
Anchor Valve Assembly 6" (Gate Valve)	1	EA.
Anchor Valve Assembly 8" (Gate Valve)	8	EA.
Valve Assembly 12" (Butterfly Valve)	6	EA.
Anchor Valve Assembly 12" (Butterfly Valve)	4	EA.
Service Outlet Assembly 2 in	2	EA.
Custom Set & Service 2 in	2	EA.
Air Release Assembly (1")	2	EA.
Fire Hydrant Assembly	8	EA.
Fire Hydrant Removal	10	EA.
Blowoff Assembly 2"	6	EA.
Tapping Valve Assy 12 in (By City of Wichita Wtr. Dept.)	4	EA.
Tapping Valve Assy 8 in (By City of Wichita Wtr. Dept.)	1	EA.
Tapping Sleeve (24" x 12")(By City of Wichita Wtr Dept.)	2	EA.
Tapping Sleeve (12" x 12")(By City of Wichita Wtr Dept.)	2	EA.
Tapping Sleeve (24" x 8")(By City of Wichita Wtr Dept.)	1	EA.
Relocate & Re-install Water Service (Short)	42	EA.
Relocate & Re-install Water Service (Long)	34	EA.
Water Meter Boxes Removed	18	EA.

All Water Services to be Completly Replaced with 1" or greater.

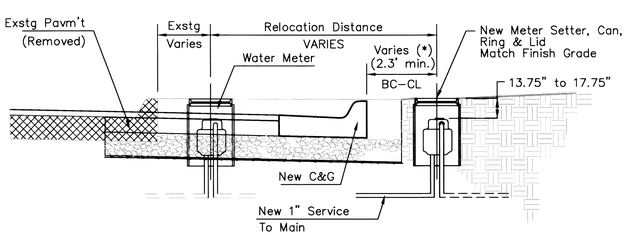


AIR RELEASE ASSEMBLY

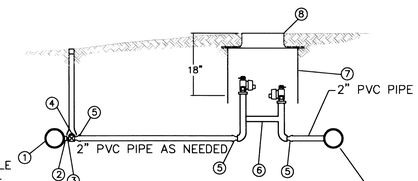
(*) Relocation of all water meters in conflict with construction of this project will be accomplished in conjunction with construction. Location of meter(s) will be typically set at least 2.3' from the back of new curbline to the centerline of meter box unless otherwise as directed by the Field Engineer.

The top of the meter box to be field set typically to match finish grade elevations unless otherwise as directed by the Field Engineer.

Replace meter setter, can, ring & lid. Existing 3/4" Copper Setter may be reinstalled upon Engineer's Approval or replaced with 1" Copper Setter. All work and materials required is to be INCIDENTAL to the quantity item "Relocate & Re-install Water Service (EA.)"



TYPICAL WATER METER INSTAL DETAIL



MATERIALS LIST:
1. EXISTING WATER MAIN, PIPE DIAMETER="D"
2. "D" x 2" BRASS SADDLE
3. 2" X 3" BRASS NIPPLE
4. 2"CURBSTOP AY MCDONALD, FORD B11-777, MUELLER 300 B20283 (WITH STANDARD VALVE BOX)
5. 2" F PVC TO MIPT ADAPTER FORD C87-77
6. 2" CUSTOM SETTER W/BYPASS FORD VV7724B1177
7. 30" WHITE PVC METER BOX - 24" HIGH, SMOOTH INSIDE, RIBBED OUTSIDE, NO NOTCHES
8. 30" X 20" MONITOR COVER WITH 20" LID WITHOUT LOCK FORD MC30LL

2" CUSTOM SET & SERVICE

Drawing File: E:\West Street Paving New\Wtr\Wmtables.dwg
NOVEMBER, 2008

Design: TCA
Drawn: TCA
Approved: JFB
Scale: NOTED

Project No. 04-04-E859 CAPITAL IMPROVEMENT PROJECT

WATER LINE IMPROVEMENTS
WATER SYSTEM TABLE
WEST STREET IMPROVEMENT

Baughman Company, P.A.
315 Ellis St. Wichita, KS 67211 P 316.262.7271 F 316.262.0149
Baughman ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

SHEET 18 OF 18