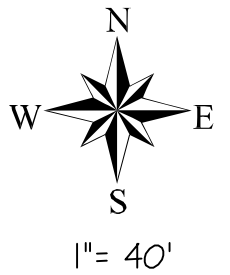
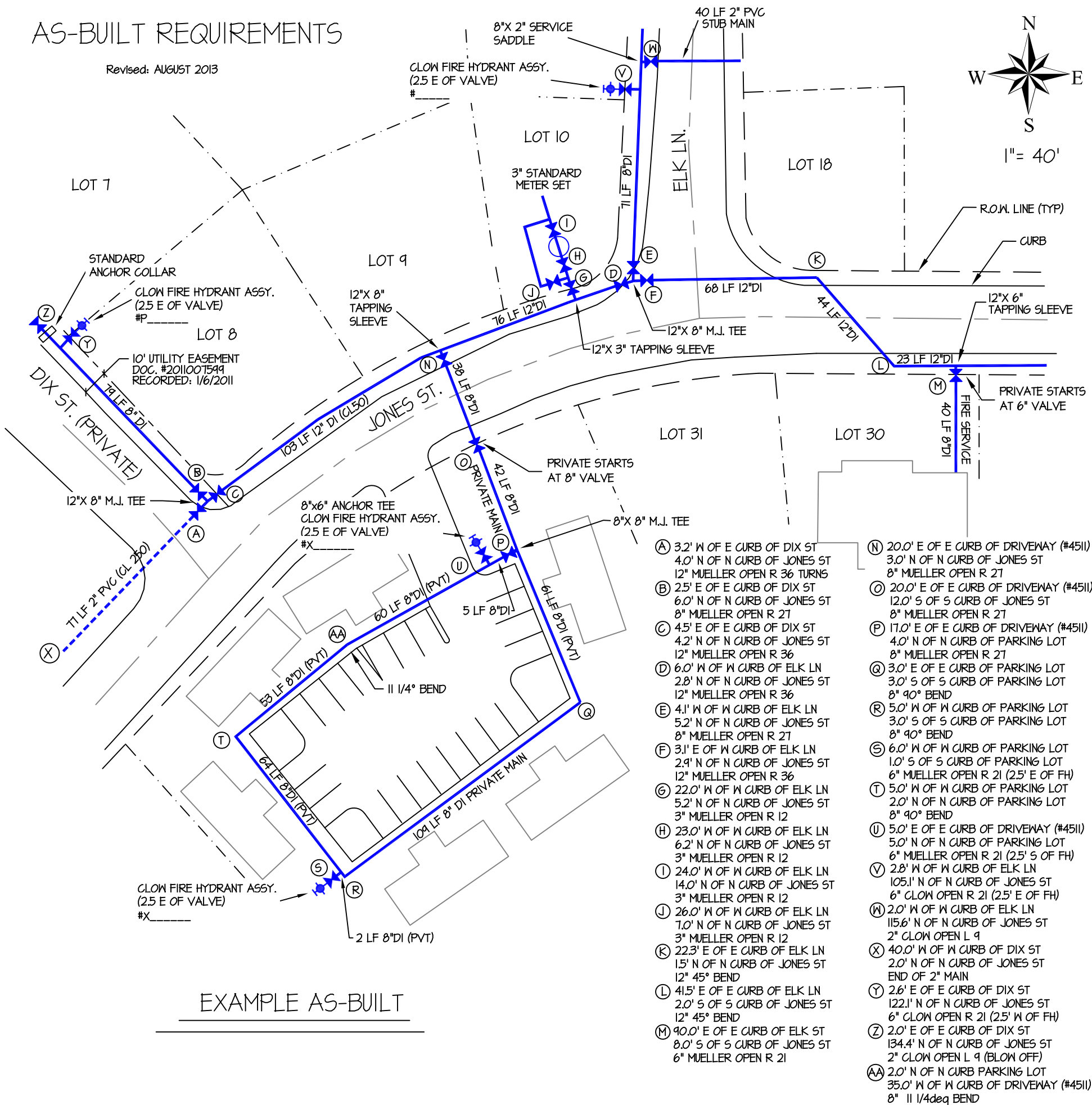


AS-BUILT REQUIREMENTS

Revised: AUGUST 2013



- (A) 3.2' W OF E CURB OF DIX ST
4.0' N OF N CURB OF JONES ST
12" MUELLER OPEN R 36 TURNS
- (B) 2.5' E OF E CURB OF DIX ST
6.0' N OF N CURB OF JONES ST
8" MUELLER OPEN R 27
- (C) 4.5' E OF E CURB OF DIX ST
4.2' N OF N CURB OF JONES ST
12" MUELLER OPEN R 36
- (D) 6.0' W OF W CURB OF ELK LN
2.8' N OF N CURB OF JONES ST
12" MUELLER OPEN R 36
- (E) 4.1' W OF W CURB OF ELK LN
5.2' N OF N CURB OF JONES ST
8" MUELLER OPEN R 27
- (F) 3.1' E OF W CURB OF ELK LN
2.9' N OF N CURB OF JONES ST
12" MUELLER OPEN R 36
- (G) 22.0' W OF W CURB OF ELK LN
5.2' N OF N CURB OF JONES ST
3" MUELLER OPEN R 12
- (H) 23.0' W OF W CURB OF ELK LN
6.2' N OF N CURB OF JONES ST
3" MUELLER OPEN R 12
- (I) 24.0' W OF W CURB OF ELK LN
14.0' N OF N CURB OF JONES ST
3" MUELLER OPEN R 12
- (J) 26.0' W OF W CURB OF ELK LN
7.0' N OF N CURB OF JONES ST
3" MUELLER OPEN R 12
- (K) 22.3' E OF E CURB OF ELK LN
15' N OF N CURB OF JONES ST
12" 45° BEND
- (L) 41.5' E OF E CURB OF ELK LN
2.0' S OF S CURB OF JONES ST
12" 45° BEND
- (M) 90.0' E OF E CURB OF ELK ST
8.0' S OF S CURB OF JONES ST
6" MUELLER OPEN R 21
- (N) 20.0' E OF E CURB OF DRIVEWAY (#4511)
3.0' N OF N CURB OF JONES ST
8" MUELLER OPEN R 27
- (O) 20.0' E OF E CURB OF DRIVEWAY (#4511)
12.0' S OF S CURB OF JONES ST
8" MUELLER OPEN R 27
- (P) 17.0' E OF E CURB OF DRIVEWAY (#4511)
4.0' N OF N CURB OF PARKING LOT
8" MUELLER OPEN R 27
- (Q) 3.0' E OF E CURB OF PARKING LOT
3.0' S OF S CURB OF PARKING LOT
8" 90° BEND
- (R) 5.0' W OF W CURB OF PARKING LOT
3.0' S OF S CURB OF PARKING LOT
8" 90° BEND
- (S) 6.0' W OF W CURB OF PARKING LOT
1.0' S OF S CURB OF PARKING LOT
6" MUELLER OPEN R 21 (2.5' E OF FH)
- (T) 5.0' W OF W CURB OF PARKING LOT
2.0' N OF N CURB OF PARKING LOT
8" 90° BEND
- (U) 5.0' E OF E CURB OF DRIVEWAY (#4511)
5.0' N OF N CURB OF PARKING LOT
6" MUELLER OPEN R 21 (2.5' S OF FH)
- (V) 2.8' W OF W CURB OF ELK LN
105.1' N OF N CURB OF JONES ST
6" CLOW OPEN R 21 (2.5' E OF FH)
- (W) 2.0' W OF W CURB OF ELK LN
115.6' N OF N CURB OF JONES ST
2" CLOW OPEN L 9
- (X) 40.0' W OF W CURB OF DIX ST
2.0' N OF N CURB OF JONES ST
END OF 2" MAIN
- (Y) 2.6' E OF E CURB OF DIX ST
122.1' N OF N CURB OF JONES ST
6" CLOW OPEN R 21 (2.5' W OF FH)
- (Z) 2.0' E OF E CURB OF DIX ST
134.4' N OF N CURB OF JONES ST
2" CLOW OPEN L 9 (BLOW OFF)
- (AA) 2.0' N OF N CURB PARKING LOT
35.0' W OF W CURB OF DRIVEWAY (#4511)
8" 11/4deg BEND

AS-BUILT REQUIREMENTS

AS-BUILT DRAWINGS WILL BE FURNISHED UPON COMPLETION OF FACILITIES WITH THE FOLLOWING CRITERIA:

- 1) AS-BUILT PRINTS SHOULD BE SUBMITTED TO CAW. IN A PAPER FORMAT, BEING OF FULL SIZE, GOOD QUALITY BLACKLINE PRINT. DRAWINGS PREPARED ON COMPUTER SHOULD ALSO BE SUBMITTED IN ELECTRONIC FORMAT, EITHER E-MAILED OR ON A LABELED CD. THE ELECTRONIC FORMAT SHALL BE IN DWG OR DXF FORMAT READABLE BY AUTOCAD.
- 2) DRAWINGS SHOULD BE ADEQUATELY LABELED IN THE TITLE BLOCK AS TO THE NATURE OF THE PROJECT. DRAWINGS SHOULD INDICATE SCALE IN FIGURES AND GRAPHICALLY. INCLUDE A VICINITY MAP TO IDENTIFY AND LOCATE THE PROJECT AREA. WATER MAINS SHOULD BE MORE DEFINED THAN OTHER LINES AND BE STANDARDIZED THROUGHOUT THE DRAWING. ALL STREET NAMES SHOULD BE CLEARLY LABELED. SHOW AS MUCH EXISTING INFORMATION AS POSSIBLE (FIRE HYDRANT NUMBERS, MAIN SIZES).
- 3) IDENTIFY THE SIZE, MATERIAL TYPE, PIPE JOINT TYPE, PRESSURE CLASS, AND DISTANCE IN LINEAR FEET, AND DEPICT THE PROPER LOCATIONS OF ALL MAINS AND FITTINGS. LINEAR FEET MEASUREMENTS SHOULD BE CLEARLY MARKED FROM VALVE TO VALVE, VALVE TO FITTING, FITTING TO FITTING, ETC.
- 4) TWO-DIRECTIONAL DIMENSIONS ARE REQUIRED (E/W & N/S) FROM EITHER STREET CURBS, STREET CENTERLINES, EDGE OF DRIVEWAYS, FIRE HYDRANTS WITH HYDRANT NUMBER (IF AVAILABLE) OR OTHER PERMANENT FEATURES ON ALL VALVES (PUBLIC AND PRIVATE), AND BENDS ELEVEN DEGREES AND LARGER.
- 5) ATTRIBUTES ARE REQUIRED ON ALL PUBLIC AND PRIVATE VALVES AND FIRE HYDRANTS. (THE SIZE, MODEL TYPE, DIRECTION OF OPENING, NUMBER OF TURNS FOR ALL VALVES AND FIRE HYDRANTS SHOULD BE CLEARLY IDENTIFIED ON THE DRAWING.) ALL BENDS SHOULD BE CLEARLY IDENTIFIED WITH THE SIZE AND DEGREE OF BEND.
- 6) IDENTIFY AND LOCATE ALL FITTINGS (TEES, REDUCERS, SLEEVES, ETC). TWO-DIRECTIONAL DIMENSIONS ARE NOT REQUIRED. HOWEVER, LINEAR FEET ON PIPE SHOULD REFLECT PROPER LOCATION OF ALL FITTINGS.
- 7) ALWAYS USE THE SAME REFERENCE POINTS FOR ALL VALVES IN A GROUP.
- 8) GPS DATA MUST BE PROVIDED ON VALVES, FIRE HYDRANTS, END OF MAINS AND BENDS ELEVEN DEGREES AND LARGER FOR ALL PUBLIC FACILITIES AND ALL PRIVATE FACILITIES WITH CUSTOMER OWNED LINE AGREEMENTS. THE CAW ENGINEERING-TECHNICIAN WILL BE RESPONSIBLE FOR THE CONTROL VALVE ON ALL FIRE SERVICE PROJECTS.
- 9) GPS DATA SHALL BE SUBMITTED IN ELECTRONIC FORMAT, EITHER E-MAILED OR ON A LABELED CD. GPS DATA SHALL BE PROVIDED IN STATEPLANE COORDINATES, "NAD 83 NORTH ZONE, FEET", ASCII COMMA DELIMITED FORMAT. (NUMBERS SHALL BE WITHOUT COMMAS).
(FOR EXAMPLE: ITEM,NORTHING,EASTING,DESCRIPTION)
A146680.000,1214564.000,VALVE
- 10) USE LETTERS (IN LIEU OF NUMBERS) FOR INDEXING VALVE/BEND INFORMATION. (FOR EXAMPLE: VALVE "A")
- 11) UTILIZE DETAIL BLOW-UPS WHEN SEVERAL VALVES ARE CLOSE TOGETHER AND PROVIDE MEASUREMENTS FOR ANY FITTINGS THAT WERE USED.
- 12) CLEARLY SHOW ALL ABANDONED MAINS (LABELED "REMOVED" OR "IN-PLACE"), VALVES, AND CUT & PLUGS. IDENTIFY CLOSED VALVES.
- 13) THE ENGINEERING-TECHNICIAN WILL BE RESPONSIBLE FOR MODIFYING THE AS-BUILT TO REFLECT PROPER NOTATION OF FIRE HYDRANT CLASSIFICATION. ALL FIRE HYDRANTS SHOULD BE LABELED AS SPECIFIED BY THE CONTRACT AS TO WHETHER IT IS AN "X", "P", "V", ETC., IN ORDER TO INSERT NEWLY GENERATED FIRE HYDRANT NUMBERS. (FOR EXAMPLE: FH# X_____)
- 14) A NORTH ARROW AND SCALE IS REQUIRED ON EACH SHEET. A COMPLETED CAW TITLE BLOCK SHOULD BE PLACED ON EACH SHEET OF THE AS-BUILT BY THE CAW ENGINEERING TECHNICIAN.
- 15) THE SEPARATION VALVE FROM PUBLIC TO PRIVATE MAINS MUST BE IDENTIFIED. PRIVATE MAINS SHOULD BE LABELED AS EITHER FIRE SERVICE (WITHOUT METERS) OR PRIVATE MAIN (WITH METERS).

EXAMPLE AS-BUILT

LEGEND

- Existing Meter
- Existing Valve
- Existing Hydrant
- New Meter
- New Valve
- New Hydrant
- Relocate Meter
- Adjust Grade
- Blue Disk
- Sanitary Sewer

Central Arkansas Water
Essential & Exceptional

Project No.:	Grid No(s):
Job No.:	
<p>NOTE: LEAVE AN AREA IN THE LOWER RIGHT CORNER FOR OUR PROJECT INFORMATION TO BE APPLIED APPROX. THE SIZE OF THIS TITLE BLOCK</p>	
Date:	Revisions:
Drawn By:	Scale:
	Sheet: