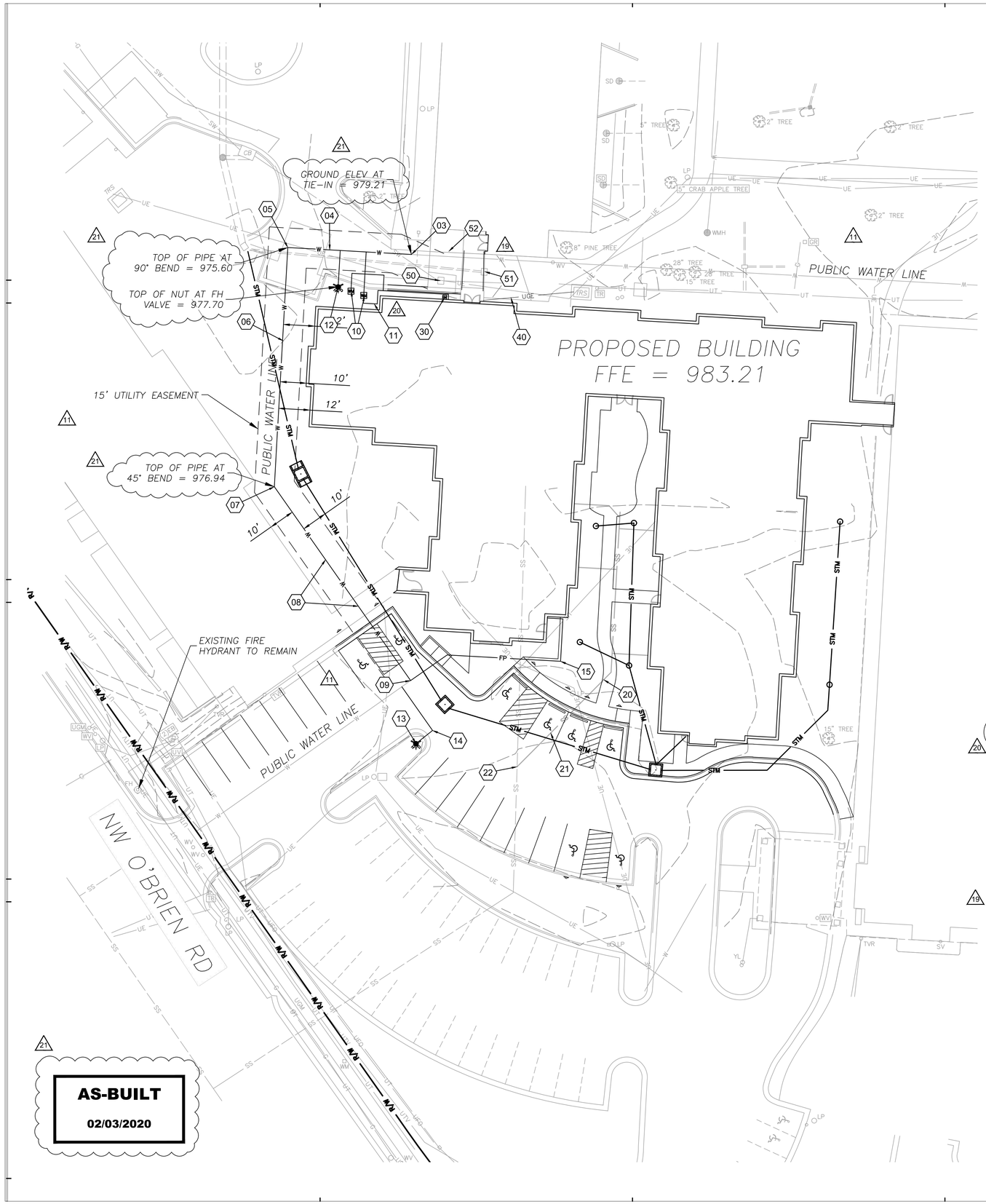

NOTES

MAINTAIN A MINIMUM 5 FOOT SEPARATION BETWEEN TAPS, VALVES, BELLS OR OTHER FITTINGS ON THE WATER MAIN.

MAINTAIN A MINIMUM RADIUS UNOBSTRUCTED CLEARANCE OF 2 FEET FROM ANY BACKFLOW PREVENTER VAULT OR OTHER OBJECT FROM THE DOMESTIC METER PIT.

03 REMOVE EXISTING 90° BEND AND CONNECT NEW WATER MAIN TO EXISTING.
04 INSTALL 47 LF OF 6" WATER MAIN LINE (DUCTILE IRON CLASS 50 OR C900 PVC ALLOWED). INSTALL AT MINIMUM DEPTH OF 42".
05 INSTALL 6" 90° BEND WITH THRUST BLOCKING.
06 INSTALL 92 LF OF 6" WATER MAIN LINE (DUCTILE IRON CLASS 50 OR C900 PVC ALLOWED). INSTALL AT MINIMUM DEPTH OF 42".
07 INSTALL 6" 45° BEND WITH THRUST BLOCKING.
08 INSTALL 91 LF OF 6" WATER MAIN LINE (DUCTILE IRON CLASS 50 OR C900 PVC ALLOWED). INSTALL AT MINIMUM DEPTH OF 42". LINE SHALL BE BORED UNDERNEATH EXISTING CORRIDOR.

09 INSTALL 6" HDPE TEE AND CONNECT TO EXISTING WATER MAIN

10 INSTALL RELOCATED EXISTING WATER METERS IN PIT. DOMESTIC SERVICE LINE SHALL BE PERPENDICULAR TO MAIN WITH NO FITTINGS BETWEEN MAIN AND METER SETTER. METERS SHALL BE AUTOMATIC READING METERS AND METER PITS WILL NEED TO BE INSTALLED PER CITY DETAILS. IRRIGATION DEDUCT METER TO BE INSTALLED OFF OF DOMESTIC SERVICE LINE.

20

11 INSTALL 2" TYPE K COPPER DOMESTIC SERVICE LINE AND CONNECT TO BUILDING PLUMBING.
12 INSTALL RELOCATED FIRE HYDRANT AND ASSEMBLY WITH GATE VALVE.

13 INSTALL PRIVATE FIRE HYDRANT.
14 INSTALL 28 LF OF 6" PRIVATE FIRE HYDRANT LINE WITH MINIMUM DEPTH OF COVER OF 42" (DUCTILE IRON, C900 PVC, OR HDPE ALLOWED) AND CONNECT TO EXISTING WATER MAIN.
15 INSTALL 80 LF OF 6" FIRE LINE AND CONNECT TO BUILDING PLUMBING (DUCTILE IRON CLASS 50 OR C900 PVC ALLOWED).

20 CONNECT TO BUILDING SEWER SERVICE; SEE MEP PLANS.
21 INSTALL 47 LF OF 6" SDR-26 PVC SANITARY SERVICE LINE. SEE MEP PLANS.
22 CONNECT TO EXISTING SANITARY SERVICE LINE WITH A WYE.

30 INSTALL RELOCATED GAS METER; SEE MEP PLANS FOR CONNECTION.

40 ELECTRIC SERVICE FROM TRANSFORMER TO BUILDING METER; SEE MEP PLANS.

19

50 ADJUST STORM GRATE ELEVATION FROM EXISTING ELEVATION OF 980.46 TO ELEVATION OF 981.00.
51 ADJUST STORM GRATE ELEVATION FROM EXISTING ELEVATION OF 980.61 TO ELEVATION OF 981.20.
52 MAINTAIN EXISTING TRENCH DRAIN. ADJUST TOP ELEVATION OF DRAIN TO WORK WITH PROPOSED GRADES.

LEGEND

STM	PROPOSED STORM SEWER
FP	PROPOSED FIRE PROTECTION LINE
UGE	PROPOSED ELECTRIC LINE
WS	PROPOSED DOMESTIC SERVICE LINE
SS	PROPOSED SANITARY SERVICE LINE
W	PROPOSED WATER MAIN
W	EXISTING WATER MAIN
SS	EXISTING SANITARY SEWER MAIN
G	EXISTING GAS MAIN
	EXISTING STORM SEWER

N

SCALE: 1"=20'
0 20 40

MENU

CADD VERSION
PLOT SCALE
PLOT DATE
COMM NO.
DRAWING NO.

BHC RHODES
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CONSTRUCTION SET

STATE OF MISSOURI
ERIC BYRD
02/03/2020
NUMBER PE-2018013633
PROFESSIONAL ENGINEER

PROJECT TITLE

John Knox Village
VAL 400

SFCS Architecture Engineering Planning Interiors
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PROJECT DESIGNER	:	DAS
PROJECT ARCHITECT	:	DAS
PROJECT ENGINEER	:	ERB
DRAWN BY	:	SKT
CHECKED BY	:	ERB
APPROVED BY	:	

NO.	REVISION DESCRIPTION	DATE
1	ADDENDUM #1	09/27/2018
2	LANDSCAPE PLAN	10/10/2018
3	ADDENDUM #3	10/26/2018
10	PR #3	4/11/2019
11	WATER REVISION	5/6/2019
19	PR #9 Rev	9/4/2019
20	WATER REVISION	9/9/2019
21	WATER AS-BUILT	2/3/2020

DRAWING TITLE

UTILITY PLAN

COMM. NO. 17106.00	DATE SEPTEMBER 14, 2018
DRAWING C5.0	SHEET 08 OF 14