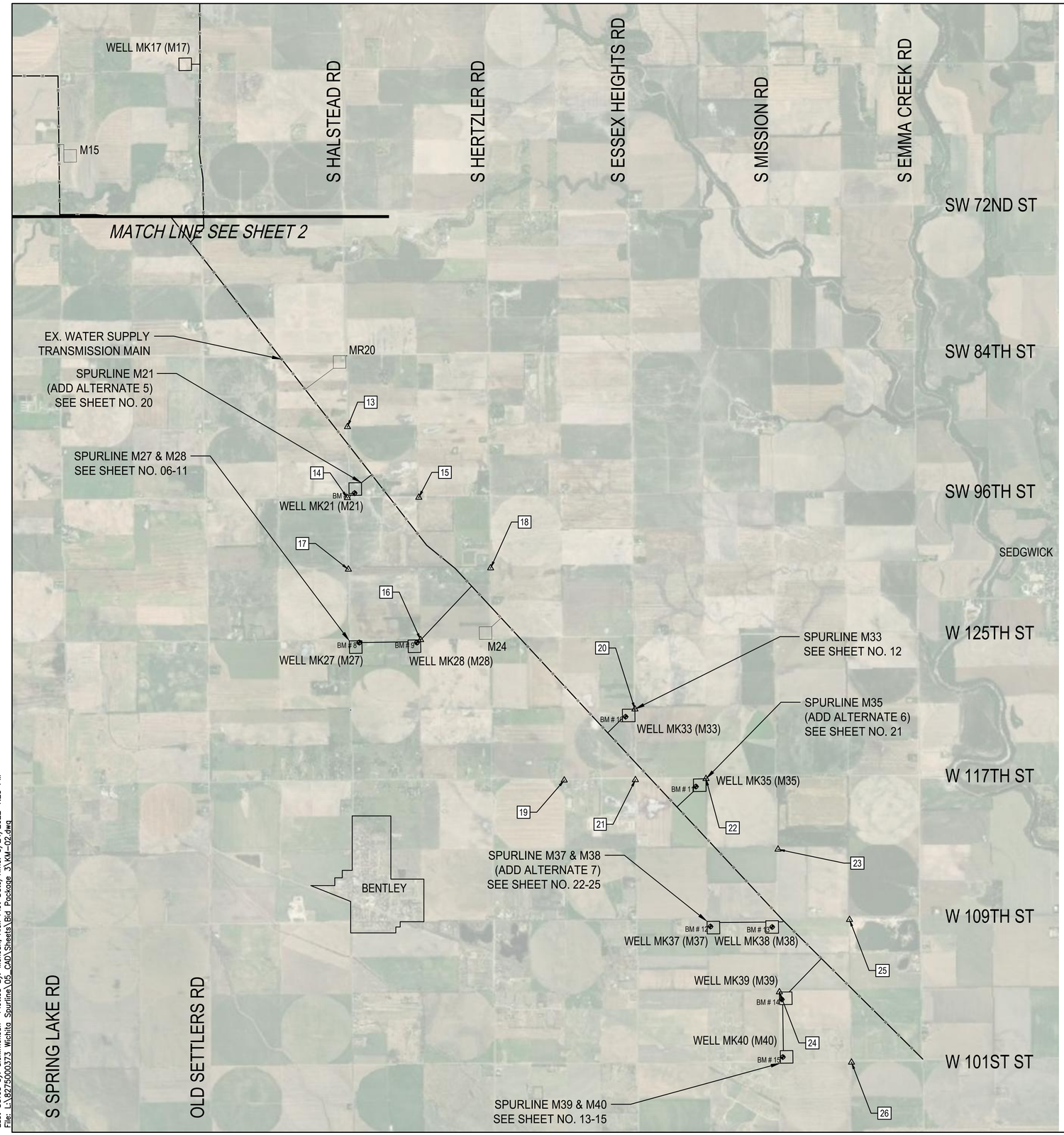

HORIZONTAL CONTROL POINTS

13. WEST QUARTER SECTION CORNER SECTION: 26 TOWNSHIP: 24S RANGE: 02W
STATE PLANE COOR. SYS NORTH: 1775346.31 EAST: 1595319.76
RR SPIKE .40 DEEP IN ASPHALT
R1: N 46°45'52" E 67.73 FEET TO SPIKE TOP CENTER BRACE POST
R2: N 89°42'26" E 59.75 FEET TO MAG NAIL WEST FACE POWER POLE
R3: S 65°47'12" E 57.68 FEET SET WEST FACE 6" IRRIGATION WHEEL STOP, WEST POST.
R4: N 88°17'36" W 51.20 FEET TO 40D SPIKE (HEAD) EAST FACE POWER POLE

14. SOUTHWEST SECTION CORNER SECTION: 26 TOWNSHIP: 24S RANGE: 02W
STATE PLANE COOR. SYS NORTH: 1772704.59 EAST: 1595317.06
RR SPIKE
R1: N 22°42'20" W 42.47 FEET TO "X" CUT IN SOUTH END OF NORTHWEST HEADWALL
R2: N 22°37'00" E 42.56 FEET TO "X" CUT IN SOUTH END OF NORTHEAST HEADWALL
R3: S 35°55'32" E 83.96 FEET TO 40D (BASE) SPIKE NORTHWEST FACE POWER POLE

15. SOUTH QUARTER SECTION CORNER SECTION: 26 TOWNSHIP: 24S RANGE: 02W
STATE PLANE COOR. SYS NORTH: 1772717.53 EAST: 1597973.94
5/8" REBAR
R1: N 08°50'58" W 22.44 FEET TO SOUTHEAST FACE METAL POWER POLE
R2: N 26°03'12" E 41.52 FEET TO SOUTHWEST FACE METAL CORNER FENCE POST
R3: S 57°35'37" W 57.56 FEET TO TOP CENTER 9" BOLLARD
R4: S 1.5' TO CL OF E-W GRAVEL RD

16. SOUTH QUARTER SECTION CORNER SECTION: 35 TOWNSHIP: 24S RANGE: 02W
STATE PLANE COOR. SYS NORTH: 1767422.89 EAST: 1598040.53
PK NAIL IN LIMESTONE
R1: 5/8" REBAR ON NORTH SIDE OF STONE
R2: N 00°07'39" E 27.39 FEET TO "X" CUT SOUTH BOLT HIGH VOLTAGE POLE
R3: S 01°47'42" W 30.83 FEET TO "X" CUT WEST FACE 2.5" METAL FENCE POST
R4: S 66°21'50" W 74.84 FEET TO END OF LUG BOLT

17. WEST QUARTER SECTION CORNER SECTION: 35 TOWNSHIP: 24S RANGE: 02W
STATE PLANE COOR. SYS NORTH: 1770044.71 EAST: 1595352.83
RR SPIKE 0.4" DEEP IN ASPHALT
R1: N 53°15'50" E 23.73 FEET TO TOP CENTER EAST END CMP
R2: N 84°22'29" W 51.01 FEET TO 40D SPIKE (HEAD) EAST FACE POWER POLE
R3: CENTERLINE OF HALSTEAD RD

18. EAST QUARTER SECTION CORNER SECTION: 35 TOWNSHIP: 24S RANGE: 02W
STATE PLANE COOR. SYS NORTH: 1770092.45 EAST: 1600646.24
3/4" BAR
R1: N 29°23'10" E 72.54 FEET TO 40D SOUTHWEST FACE POWER POLE
R2: N 87°39'09" E 35.15 FEET TO 40D STEP NAILS WEST FACE POWER POLE
R3: S 53°53'46" W 41.27 FEET 40D NAIL AND SHINER EAST-NORTHEAST FACE CUT POWER POLE

19. SOUTH QUARTER SECTION CORNER SECTION: 01 TOWNSHIP: 25S RANGE: 02W
STATE PLANE COOR. SYS NORTH: 1762197.19 EAST: 1603388.47
3/8" BAR (0.2") OVER STONE
R1: N 02°03'35" W 44.96 FEET TO 60D EAST FACE OF POWER POLE
R2: N 45°59'26" E 31.85 FEET TO "X" CUT EAST END STEEL CULVERT
R3: S 68°46'25" E 78.52 FEET TO PK NAIL NORTHEAST FACE POWER POLE
R4: N 1.2' TO CENTERLINE OF 117TH ST

20. EAST QUARTER SECTION CORNER SECTION: 01 TOWNSHIP: 25S RANGE: 02W
STATE PLANE COOR. SYS NORTH: 1764843.45 EAST: 1606014.71
1/2" IRON PIPE
R1: N 39°18'54" E 43.96 FEET TO "X" CUT SOUTHEAST FACE METAL POWER POLE
R2: N 86°05'22" W 29.32 FEET TO MAG NAIL IN N011H FACE CORNER FENCE POST
R3: N 50°14'33" W 38.69 FEET TO 60D TOP CENTER OF BRACE POST

21. SOUTHEAST SECTION CORNER SECTION: 1 TOWNSHIP: 25S RANGE: 02W
STATE PLANE COOR. SYS NORTH: 1762209.92 EAST: 1606034.61
1/2" IRON PIPE
R1: N 44°40'48" E 38.64 FEET TO THE SOUTH FACE METAL POWER POLE
R2: S 48°08'06" W 45.10 FEET TO MAG NAIL EAST SOUTHEAST FACE POWER POLE
R3: N 57°18'27" W 49.23 FEET TO SOUTH FACE METAL POWER POLE
R4: N 49°21'49" W 42.20 FEET TO TOP CENTER OF TELEPHONE PEDESTAL

22. NORTH QUARTER SECTION CORNER SECTION: 07 TOWNSHIP: 25S RANGE: 01 W
STATE PLANE COOR. SYS NORTH: 1762254.96 EAST: 1608659.28
1/2" REBAR 18" DEEP INSIDE OF 3/4" PIPE
R1: N 56°43'49" E 51.52 FEET TO 3 PUNCH MARKS SOUTH FACE METAL POWER POLE
R2: S 02°44'33" W 35.85 FEET TO 60D WITH CHASER WEST FACE 6" WALNUT
R3: N 34°07'16" W 39.21 FEET TO 3 PUNCH MARKS EAST FACE SOUTHEAST 9" BALLARD

23. EAST QUARTER SECTION CORNER SECTION: 07 TOWNSHIP: 25S RANGE: 01 W
STATE PLANE COOR. SYS NORTH: 1759625.51 EAST: 1611343.26
1/2" REBAR WITH CAP ILLEGIBLE
R1: N 46°41'36" E 39.54 FEET TO PK NAIL NORTHWEST FACE 4" HEDGE TREE
R2: N 89°56'47" E 38.39 FEET TO PK NAIL SOUTH FACE 20" HEDGE TREE
R3: S 64°49'33" E 24.90 FEET TO "X" CUT IN CONCRETE BASE WELL IW-33C
R4: S 67°09'48" W 29.92 FEET TO "X" CUT NORTH FACE METAL POWER POLE

24. EAST QUARTER SECTION CORNER SECTION: 18 TOWNSHIP: 25S RANGE: 01W
STATE PLANE COOR. SYS NORTH: 1754320.04 EAST: 1611390.48
60D NAIL AND CHASER DRILLED IN STONE
R1: N 09°55'32" E 147.66 FEET TO GROUND LUG WEST FACE METAL POWER POLE
R2: S 79°32'41" E 31.25 FEET TO "+" CUT NORTH FACE 5" CONCRETE FILLED CORNER FENCE POST
R3: S 34°53'59" E 52.17 FEET TO"+" CUT WEST FACE 5" GATE POST

25. NORTH QUARTER SECTION CORNER SECTION: 17 TOWNSHIP: 25S RANGE: 01W
STATE PLANE COOR. SYS NORTH: 1757009.69 EAST: 1614003.88
5/8" REBAR WITH YELLOW CAP
R1: N 04°02'58" W 29.54 FEET TO 3 NAILS IN THE WEST FACE OF A POWER POLE
R2: S 00°00'13" W 22.54 FEET TO MAG NAIL TOP CMP, WEST END.
R3: N 83°20'57" W 221.86 FEET TO MAG NAIL SOUTH FACE OF POWER POLE
R4: SOUTH 1.30' TO CENTERLINE OF 109TH ST.

26. SOUTH QUARTER SECTION CORNER SECTION: 17 TOWNSHIP: 25S RANGE: 01W
STATE PLANE COOR. SYS NORTH: 1751700.21 EAST: 1614077.57
1/2" REBAR
R1: N 05°13'34" W 29.82 FEET TO "+" CUT ON THE CONCRETE BASE OF A WATER LINE SIGN
R2: S 53°13'42" E 42.23 FEET TO "+" CUT ON THE EAST END OF A 18" RCP
R3: S 02°42'42" E 25.29 FEET TO "+" CUT ON THE WEST END OF A 18" RCP
R4: S 21°47'51" W 32.23 FEET TO A PK NAIL IN THE WEST FACE OF A POWER POLE

BENCHMARKS

7. MK21 (M21) SITE BENCHMARK
"SQUARE" CUT IN SW/COR CONC. PAD.
ELEV: 1393.70' (NAVD88)

8. MK27 (M27) SITE BENCHMARK
"SQUARE" CUT IN NE/COR CONC. PAD.
ELEV: 1392.66' (NAVD88)

9. MK28 (M28) SITE BENCHMARK
"SQUARE" CUT IN NE/COR CONC. PAD.
ELEV: 1391.46' (NAVD88)

10. MK33 (M33) SITE BENCHMARK
"T-POST" SET IN 12.5' E OF PP &
32' S OF SE BLD COR.
ELEV: 1381.56' (NAVD88)

11. MK35 (M35) SITE BENCHMARK
"SQUARE" CUT IN NE/COR CONC. PAD.
ELEV: 1383.15' (NAVD88)

12. MK37 (M37) SITE BENCHMARK
"T-POST" SET 4' NORTH OF NW BLD COR.
ELEV: 1374.98' (NAVD88)

13. MK38 (M38) SITE BENCHMARK
"T-POST" SET 5' NORTH OF NE BLD COR.
ELEV: 1373.63' (NAVD88)

14. MK39 (M39) SITE BENCHMARK
"SQUARE" CUT IN SE/COR CONC. PAD.
ELEV: 1372.60' (NAVD88)

15. MK40 (M40) SITE BENCHMARK
"T-POST" SET 3' WEST OF
SW/CORNER OF BUILDING
ELEV: 1371.61' (NAVD88)

LEGEND

#	CONTROL POINT
BM #	BENCHMARK
	EXISTING WELL HOUSE

N

2,000 0 2,000 4,000
SCALE IN FEET

REVISIONS:

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WICHITA, KANSAS 67202
PHONE: 316-448-2711
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wood.

KEY MAP & CONTROL POINTS - 2

EQUUS WELLFIELD SPURLINE REPLACEMENT
GARY JANZEN, P.E. - CITY ENGINEER
CITY OF WICHITA

DESIGNED BY: EJB
DRAWN BY: JAN
CHECKED BY: ----
DATE: MAY 24, 2022

ERIC J. BROSE
LICENSED
18603
5-24-22
KANSAS
PROFESSIONAL ENGINEER

PROJECT NO.
639020

SHEET NO.
03
OF 35

Last Saved by: alex.mckean Plotted By: McKean, Alex Plot Date/Time: 5/24/2022 1:23 PM
File: L:\8275000373 Wichita Spurline\05 CAD\Sheets\Bid Package 3\KM-02.dwg