

WILSON FARMS

STA. 15+22, 25' LT.  
INSTALL STREET NAME SIGN  
CHURCHILL CIRCLE/CHURCHILL CT.

STA. 15+29.98, 14.5' LT., CHURCHILL CIRCLE  
INSTALL SUBDIVISION BENCHMARK  
(NO. 8134-08, KANSAS BLUE PRINT CO.)

STA. 13+77.13, 17.67' LT.  
EXIST. TYPE II CURB INLET  
TOP=191.23  
CONST. INLET HOOKUP  
INSTALL PVMT. UNDERDRAIN  
INSTALL SEDIMENT BARRIER

STA. 13+74.94, 13.66' LT.  
EXIST. TYPE II CURB INLET  
TOP=191.23  
CONST. INLET HOOKUP  
INSTALL PVMT. UNDERDRAIN  
INSTALL SEDIMENT BARRIER

INSTALL 3- 6" PVC  
SLEEVES (103 L.F.)

CONST. COMB. REVERSE CURB  
& GUTTER, FULL (6 5/8")

CONSTRUCT 5" A.C. PAVEMENT  
W/ 5" CRUSHED ROCKBASE ON  
GEOGRID REINF.

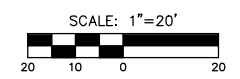
NOTE:  
SEE SHEET 12 FOR RELOCATION  
OF WATER LINE AND FIRE HYDRANT.

CONST. COMB. CURB &  
GUTTER, ROLL (3 5/8")

CONSTRUCT 5" A.C. PAVEMENT  
W/ 5" CRUSHED ROCKBASE ON  
GEOGRID REINF.

5' TRANSITION FROM FULL  
CURB TO ROLLED CURB

CONST. 7" REINF. CONC.  
VALLEY GUTTER W/5"  
CRUSHED ROCK BASE ON  
GEOGRID REINF.



| CURVE TABLE  |        |              |            |            |                  |
|--|--------|--------------|------------|------------|------------------|
| $\Delta = 57^{\circ}01'54''$ R = 150.00' T = 81.50' L = 149.31' LC = 143.22' |        |              |            |            |                  |
| CURVE DATA BASED ON CENTERLINE $\Delta/2 = 28^{\circ}30'57''$                |        |              |            |            |                  |
| STATION  | ARC    | CHORD LENGTH |            | DEFLECTION | TOTAL DEFLECTION |
|  |        | 8'Off LtCb   | 8'Off RtCb |            |                  |
| 13+60.97   | -      | -            | -          | 00°00'00"  | 00°00'00"        |
| 13+75.00   | 14.03' | 16.08'       | 11.97'     | 02°40'46"  | 02°40'46"        |
| 14+00.00   | 25.00' | 28.63'       | 21.31'     | 04°46'29"  | 07°27'15"        |
| 14+25.00   | 25.00' | 28.63'       | 21.31'     | 04°46'29"  | 12°13'44"        |
| 14+50.00   | 25.00' | 28.63'       | 21.31'     | 04°46'29"  | 17°00'13"        |
| 14+75.00   | 25.00' | 28.63'       | 21.31'     | 04°46'29"  | 21°46'41"        |
| 15+00.00   | 25.00' | 28.63'       | 21.31'     | 04°46'29"  | 26°33'10"        |
| 15+10.28   | 10.28' | 11.78'       | 8.77'      | 01°57'47"  | 28°30'57"        |

Def/Ft = 11.45916 Min.

| CURVE TABLE   |        |              |            |            |                  |
|---|--------|--------------|------------|------------|------------------|
| $\Delta = 84^{\circ}53'01''$ R = 125.00' T = 114.31' L = 185.19' LC = 168.71' |        |              |            |            |                  |
| CURVE DATA BASED ON CENTERLINE $\Delta/2 = 42^{\circ}26'30''$                 |        |              |            |            |                  |
| STATION   | ARC    | CHORD LENGTH |            | DEFLECTION | TOTAL DEFLECTION |
|   |        | 8'Off LtCb   | 8'Off RtCb |            |                  |
| 15+68.02  | -      | -            | -          | 00°00'00"  | 00°00'00"        |
| 15+75.00  | 6.98'  | 8.21'        | 5.75'      | 01°35'59"  | 01°35'59"        |
| 16+00.00  | 25.00' | 29.35'       | 20.57'     | 05°43'46"  | 07°19'45"        |
| 16+25.00  | 25.00' | 29.35'       | 20.57'     | 05°43'46"  | 13°03'32"        |
| 16+50.00  | 25.00' | 29.35'       | 20.57'     | 05°43'46"  | 18°47'18"        |
| 16+75.00  | 25.00' | 29.35'       | 20.57'     | 05°43'46"  | 24°31'05"        |
| 17+00.00  | 25.00' | 29.35'       | 20.57'     | 05°43'46"  | 30°14'51"        |
| 17+25.00  | 25.00' | 29.35'       | 20.57'     | 05°43'46"  | 35°58'38"        |
| 17+50.00  | 25.00' | 29.35'       | 20.57'     | 05°43'46"  | 41°42'24"        |
| 17+53.21  | 3.21'  | 3.77'        | 2.64'      | 00°44'06"  | 42°26'30"        |

Def/Ft = 13.75099 Min.

NOTE:  
TOP OF CURB ELEVATIONS SHOWN ARE  
FOR FULL CURB. CONSTRUCT COMBINED  
CURB & GUTTER, ROLLED (3 5/8").

**LEGEND**  
 TREE REMOVAL  
 TREE REMOVAL  
 STREET SIGN & SIGN LOCATION  
 (SEE SIGN ASSEMBLY TABLE  
 FOR TYPE & STATION OF SIGN)

| SUBDIVISION BENCH MARKS |                             |          |  |            |
|-------------------------|-----------------------------|----------|--|------------|
| NO.                     | STREET AND STATION          | FROM CL  | DESCRIPTION  | ELEVATIONS |
| 1                       | BEDFORD CIR. STA., 15+29.98 | 14.50 LT | Top of Curb at end of SW return on Bedford Cir. Lot 24 |            |

NOTE: CONTRACTOR SHALL INSTALL SUBDIVISION BENCH MARKS ("FLAT SURVEY MARKERS NO. 8134-08 3" TOP DIAMETER" PROVIDED BY KANSAS BLUE PRINT CO., INC.) COSTS TO BE CONSIDERED SUBSIDIARY TO CONSTRUCTION OF COMBINED CURB AND GUTTER.

**MKEC**  
ENGINEERING  
CONSULTANTS  
411 N. WEBB ROAD  
WICHITA, KS. 67206  
316 - 884 - 9600

**WILSON FARMS SECOND ADDITION  
PHASE 1A**  
PROJECT NAME

**CHURCHILL CIRCLE**  
SHEET TITLE

GJA/JTC DESIGN BY: DM DRAWN BY: GJA/JTC CHECKED BY:

OCTOBER 2001 DATE: 01202E1 JOB NO. 9 / 16 SHEET/OF