SCALE: 1"=20'

20 10 0 20

CONST. 10' TRANSITION FROM FULL CURB TO ROLL CURB

P.V.I. ELEV. = 1372.62 V.C.= 50'

CONSTRUCT COMBINED CURB & GUTTER (ROLL CURB, 3 5/8")

P.V.I. ELEV. = 1374.87 V.C.= 70'

P.V.I. ELEV. = 1373.92 V.C.= 70'

PROP. CURB INLET TOP=1374.17
CONST. INLET HOOKUP W/ PVMT.
UNDERDRAIN. INSTALL SEDIMENT
BARRIER.

REED'S COVE FOURTH ADDITION

CONST. 5" A.C. PAVEMENT W/5" CRUSHED ROCK BASE ON GEOGRID REINFORCEMENT

SAWCUT AND REMOVE 74 L.F. OF EXIST. CURB & GUTTER COST SUBSIDIARY TO PAVEMENT CONSTRUCTION

CHURCHILL ST.

REED'S COVE

RES. "A"

RES. "B"

10+42.45 10+50 10+75 11+00 P.V.I. 11+25 11+50 11+55.55 P.T. 12+00 12+50 P.V.I. 12+57 13+00 13+45 P.V.I. 13+57.21 13+70.42 P.C. 14+00 14+25 14+50 14+75 15+00 15+10.88 P.T. 15+50 16+00

3.08% BASED ON CL

1.50% BASED ON CL

-1.00% BASED ON CL

1.75%

-1.50% BASED ON CL

25' BLDG. STBK.

15' BLDG. STBK.

EXIST. 8" WATER

10' UTIL. ESMT.

20' DRNG. & UTIL. ESMT.

WARP CURB

HP

LP

EP

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

CAUTION! EXISTING IRRIGATION LINE!

CONST. 10' TRANSITION FROM FULL CURB TO ROLL CURB

STA. 10+28, 27'RT. INSTALL STREET NAME SIGN (Reed Cove/Churchill)

P.V.I. ELEV. = 1372.62 V.C.= 50'

REED'S COVE FOURTH ADDITION

P.V.I. ELEV. = 1374.87 V.C.= 70'

PROP. CURB INLET TOP=1374.25
CONST. INLET HOOKUP W/ PVMT.
UNDERDRAIN. INSTALL SEDIMENT
BARRIER.

STA. 13+21.79, 14.5' RT., CHURCHILL ST.
INSTALL SUBDIVISION BENCHMARK
(NO. 8134-08, KANSAS BLUE PRINT CO.)

P.V.I. ELEV. = 1373.92 V.C.= 70'

P.V.I. ELEV. = 1377.50 V.C.= 80'

FIRE HYDRANT
BURY LINE=1376.63
VALVE BOX=1376.80

MATCH LINE

MATCH LINE

CURVE TABLE

Δ = 89°25'02" R = 90.00' T = 89.09' L = 140.46' LC = 126.63'

CURVE DATA BASED ON CENTERLINE Δ/2 = 44°42'31"

CHORD LENGTH

STATION	ARC	8'Off LtCb	8'Off RtCb	DEFLECTION	TOTAL DEFLECTION
13+70.42	—	—	—	00°00'00"	00°00'00"
14+00.00	29.58'	36.65'	22.25'	09°24'56"	09°24'56"
14+25.00	25.00'	31.01'	18.83'	07°57'28"	17°22'24"
14+50.00	25.00'	31.01'	18.83'	07°57'28"	25°19'52"
14+75.00	25.00'	31.01'	18.83'	07°57'28"	33°17'20"
15+00.00	25.00'	31.01'	18.83'	07°57'28"	41°14'48"
15+10.88	10.88'	13.53'	8.21'	03°27'43"	44°42'31"

Def/Ft =19.09859 Min.

CURVE TABLE

Δ = 04°46'38" R =1500.00' T = 62.57' L = 125.07' LC = 125.03'

CURVE DATA BASED ON CENTERLINE Δ/2 = 02°23'19"

CHORD LENGTH

STATION	ARC	8'Off LtCb	8'Off RtCb	DEFLECTION	TOTAL DEFLECTION
10+30.48	—	—	—	00°00'00"	00°00'00"
10+50.00	19.52'	19.81'	19.23'	00°22'22"	00°22'22"
10+75.00	25.00'	25.37'	24.63'	00°28'39"	00°51'01"
11+00.00	25.00'	25.37'	24.63'	00°28'39"	01°19'40"
11+25.00	25.00'	25.37'	24.63'	00°28'39"	01°48'19"
11+50.00	25.00'	25.37'	24.63'	00°28'39"	02°16'58"
11+55.55	5.55'	5.63'	5.47'	00°06'21"	02°23'19"

Def/Ft = 1.14592 Min.

SUBDIVISION BENCH MARKS

NO.	STREET AND STATION	FROM CL	DESCRIPTION	ELEVATIONS
1	CHURCHILL ST., STA. 13+21.79	14.5' RT	TOP OF CURB AT END OF INLET, CHURCHILL ST.	

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.

LEGEND

+ STREET SIGN & SIGN LOCATION (SEE SIGN ASSEMBLY TABLE FOR TYPE & STATION OF SIGN)

MKEC ENGINEERING CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316 - 684 - 9600

PAVING STREETS AND INCIDENTAL DRAINAGE

REEDS COVE FOURTH ADDITION

CHURCHILL ST. PAVING PLAN

SHEET TITLE

472-84385

PROJECT NUMBER

DESIGN BY	SRS
DRAWN BY	BFL
CHECKED BY	GJA
ISSUED	MARCH 2006
REVISED	

SHEET NO.

6 of 33

H:\CIVIL\02121\14th Addition\PAVG2121E1

PLOTTED: Tuesday, March 14, 2006 @ 02:38PM

MKEC ENGINEERING CONSULTANTS, INC. © COPYRIGHT