

Drawn by BMM, JAG
 Job No. 35-11114-000
 Date July 2011

At Sta. 10+70.00 T.C. Lt. Install Flat Survey Marker No. 8134-08" 3" Top Diameter Bench Mark Disc. (Disc & Installation Subsidiary Comb. Curb & Gutter)

At Sta. 10+64, 47.5' Lt. Install Traffic Sign (R1-1)(Stop) See Sheet No. 26.

At Sta. 11+05, 6.25' Lt. to 45.50' Lt. Install 23.25 L.F. SDR 21 4" PVC Pipe & Sleeves. See Sheet No. 11 for Details.

At Sta. 11+75, 6.25' Lt. to 41.75' Lt. Install 35.50 L.F. SDR 21 4" PVC Pipe & Sleeves. See Sheet No. 11 for Details.

At Sta. 12+57.5 to Sta. 12+68, 32.75' Lt. Install 10.50 L.F. SDR 21 4" PVC Pipe & Sleeves. See Sheet No. 11 for Details.

At Sta. 12+83 to Sta. 13+40, 34.75' Lt. Install 57.00 L.F. SDR 21 4" PVC Pipe & Sleeves. See Sheet No. 11 for Details.

At Sta. 14+60, 6.25' Lt. to 29.50' Lt. Install 23.25 L.F. SDR 21 4" PVC Pipe & Sleeves. See Sheet No. 11 for Details.

At Sta. 15+08.10 T.C. Lt. Install Flat Survey Marker No. 8134-08" 3" Top Diameter Bench Mark Disc. (Disc & Installation Subsidiary Comb. Curb & Gutter)

At Sta. 16+81.5, 5.6' Lt. to 28.9' Lt. Install 2-23.3 L.F. SDR 21 4" PVC Pipe & Sleeves. See Sheet No. 11 for Details.

At Sta. 15+56 to Sta. 16+50, 34.75' Lt. Install 94.00 L.F. SDR 21 4" PVC Pipe & Sleeves. See Sheet No. 11 for Details.

At Sta. 15+71.8, 0.0' Lt. At Sta. 16+49.8, 0.0' Lt. Install Traffic Sign (R4-7)(Keep Right) (OM1-3)(Object Marker) on Single Post See Sheet No. 26.

Const. Std. Type 1A Inlet Hookup See Sheet No. 14.

Curve Data
 A=28°05'37"R D=19°05'55" R=300.00' L=147.10' T=75.06' E=9.25'
 CURVE DATA BASED ON radius Δ/2= 14° 02' 48.5"

| STATION | ARC LENGTH | FACE CURB LENGTH | CHORD LENGTH | DEFLECTION ANGLE | Σ TOTAL DEFLECTION | | |
|----------|------------|------------------|-----------------|-----------------------|------------------------|-------------|--------------------------|
| | | 8.75' RT. OF C | 27.00' RT. OF C | 8' OFF LEFT FACE CURB | 8' OFF RIGHT FACE CURB | | |
| 11+20.00 | | | | 0°00'00.0" | 0°00'00.0" | | |
| 11+25.00 | 5.00' | 4.85' | 4.55' | 4.99' | 4.42' | 00°28'38.9" | 00°28'38.9" |
| 11+50.00 | 25.00' | 24.27' | 22.75' | 24.93' | 22.08' | 02°23'14.4" | 02°51'53.2" |
| 11+75.00 | 25.00' | 24.27' | 22.75' | 24.93' | 22.08' | 02°23'14.4" | 05°15'07.6" |
| 12+00.00 | 25.00' | 24.27' | 22.75' | 24.93' | 22.08' | 02°23'14.4" | 07°38'22.0" |
| 12+25.00 | 25.00' | 24.27' | 22.75' | 24.93' | 22.08' | 02°23'14.4" | 10°01'36.4" |
| 12+50.00 | 25.00' | 24.27' | 22.75' | 24.93' | 22.08' | 02°23'14.4" | 12°24'50.7" |
| 12+67.1 | 17.10' | 16.60' | 15.56' | 17.05' | 15.10' | 01°37'58.6" | 14°02'48.5" |
| TOTAL | 147.10' | 142.80' | 133.86' | | | | Defl./ft.= 5.729578 min. |

Curve No. 1
 A=28°05'37"R D=27°39'09" R=207.20' L=101.60' T=51.84' E=6.39'
 CURVE DATA BASED ON CURVE NO 1 radius Δ/2= 14° 2' 48.5"

| STATION | ARC LENGTH | FACE CURB LENGTH | CHORD LENGTH | DEFLECTION ANGLE | Σ TOTAL DEFLECTION | | |
|----------|------------|------------------|--------------|-----------------------|------------------------|-------------|--------------------------|
| | | LEFT CURB | RIGHT CURB | 8' OFF LEFT FACE CURB | 8' OFF RIGHT FACE CURB | | |
| 11+20.00 | | | | 0°00'00.0" | 0°00'00.0" | | |
| 11+25.00 | 5.00' | 5.00' | | 5.19' | | 00°41'28.7" | 00°41'28.7" |
| 11+50.00 | 25.00' | 25.00' | | 25.95' | | 03°27'23.6" | 04°08'52.3" |
| 11+75.00 | 25.00' | 25.00' | | 25.95' | | 03°27'23.6" | 07°36'15.9" |
| 12+00.00 | 25.00' | 25.00' | | 25.95' | | 03°27'23.6" | 11°03'39.5" |
| 12+21.60 | 21.60' | 21.60' | | 22.42' | | 02°59'11.3" | 14°02'48.5" |
| TOTAL | 101.60' | 101.60' | | | | | Defl./ft.= 8.295721 min. |

Curve Data
 A=28°05'37"R D=19°05'55" R=300.00' L=147.10' T=75.06' E=9.25'
 CURVE DATA BASED ON radius Δ/2= 14° 02' 48.5"

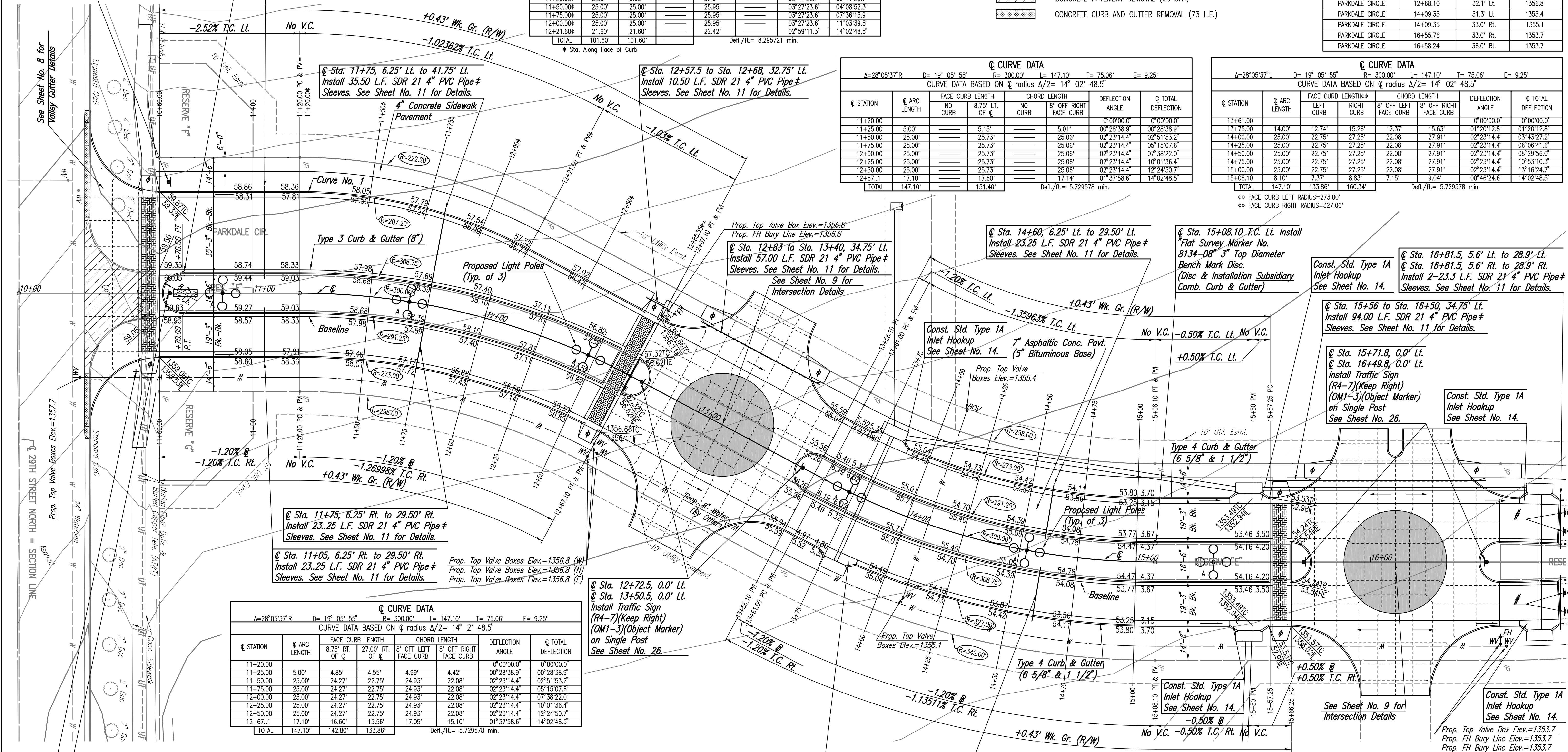
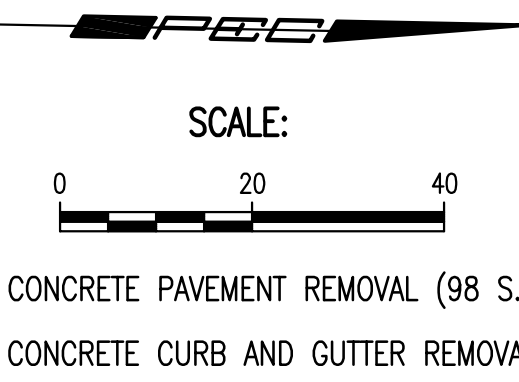
| STATION | ARC LENGTH | FACE CURB LENGTH | CHORD LENGTH | DEFLECTION ANGLE | Σ TOTAL DEFLECTION | | |
|----------|------------|------------------|--------------|------------------------|--------------------|-------------|--------------------------|
| | | NO CURB | NO CURB | 8' OFF RIGHT FACE CURB | | | |
| 11+20.00 | | | | 0°00'00.0" | 0°00'00.0" | | |
| 11+25.00 | 5.00' | | | 5.01' | | 00°28'38.9" | 00°28'38.9" |
| 11+50.00 | 25.00' | | | 25.06' | | 02°23'14.4" | 02°51'53.2" |
| 11+75.00 | 25.00' | | | 25.06' | | 02°23'14.4" | 05°15'07.6" |
| 12+00.00 | 25.00' | | | 25.06' | | 02°23'14.4" | 07°38'22.0" |
| 12+25.00 | 25.00' | | | 25.06' | | 02°23'14.4" | 10°01'36.4" |
| 12+50.00 | 25.00' | | | 25.06' | | 02°23'14.4" | 12°24'50.7" |
| 12+67.1 | 17.10' | | | 17.14' | | 01°37'58.6" | 14°02'48.5" |
| TOTAL | 147.10' | | | 151.40' | | | Defl./ft.= 5.729578 min. |

Curve Data
 A=28°05'37"R D=19°05'55" R=300.00' L=147.10' T=75.06' E=9.25'
 CURVE DATA BASED ON radius Δ/2= 14° 02' 48.5"

| STATION | ARC LENGTH | FACE CURB LENGTH | CHORD LENGTH | DEFLECTION ANGLE | Σ TOTAL DEFLECTION | | |
|----------|------------|------------------|--------------|-----------------------|------------------------|-------------|--------------------------|
| | | RIGHT CURB | RIGHT CURB | 8' OFF LEFT FACE CURB | 8' OFF RIGHT FACE CURB | | |
| 13+61.00 | | | | 0°00'00.0" | 0°00'00.0" | | |
| 13+75.00 | 14.00' | 12.74' | 15.26' | 12.37' | 15.63' | 01°20'12.8" | 01°20'12.8" |
| 14+00.00 | 25.00' | 22.75' | 27.25' | 22.08' | 27.91' | 02°23'14.4" | 03°43'27.2" |
| 14+25.00 | 25.00' | 22.75' | 27.25' | 22.08' | 27.91' | 02°23'14.4" | 06°06'41.6" |
| 14+50.00 | 25.00' | 22.75' | 27.25' | 22.08' | 27.91' | 02°23'14.4" | 08°29'56.0" |
| 14+75.00 | 25.00' | 22.75' | 27.25' | 22.08' | 27.91' | 02°23'14.4" | 10°53'10.3" |
| 15+00.00 | 25.00' | 22.75' | 27.25' | 22.08' | 27.91' | 02°23'14.4" | 13°16'24.7" |
| 15+08.10 | 8.10' | 7.37' | 8.83' | 7.15' | 9.04' | 00°46'24.6" | 14°02'48.5" |
| TOTAL | 147.10' | 133.86' | 160.34' | | | | Defl./ft.= 5.729578 min. |

Water Valve Box Elevations

| STREET | STATION | OFFSET | PROPOSED ELEVATION |
|-----------------|----------|-----------|--------------------|
| PARKDALE CIRCLE | 10+26.00 | 36.0' Rt. | 1357.7 |
| PARKDALE CIRCLE | 12+67.10 | 33.0' Rt. | 1356.8 |
| PARKDALE CIRCLE | 12+67.10 | 39.0' Rt. | 1356.8 |
| PARKDALE CIRCLE | 12+70.10 | 36.0' Rt. | 1356.8 |
| PARKDALE CIRCLE | 12+68.10 | 32.1' Lt. | 1356.8 |
| PARKDALE CIRCLE | 14+09.35 | 51.3' Lt. | 1355.4 |
| PARKDALE CIRCLE | 14+09.35 | 33.0' Rt. | 1355.1 |
| PARKDALE CIRCLE | 16+55.76 | 33.0' Rt. | 1353.7 |
| PARKDALE CIRCLE | 16+58.24 | 36.0' Rt. | 1353.7 |



Install Type OM4-3 (End of Roadway Marker See Sheet No. 26.)

φ Construct Std. Wheelchair Ramp, See Sheet No. 11.

Sleeves to be 42" below top of curb. Each end of 4" PVC pipe sleeves shall be capped and marked with steel "T" posts or 2" dia. steel pipe a maximum of 12" above finished grade. Pipe, caps, markers, and installation thereof shall be paid for at the unit price bid per each "Irrigation Sleeves".

Revision By Date

NEWMARKET OFFICE 2ND PAVING AND INCIDENTAL DRAINAGE IMPROVEMENTS
PARKDALE CIRCLE
 STA. 10+60.00 TO STA. 15+66.25
 GARY JANZEN, P.E.— CITY ENGINEER
 CITY OF WICHITA PROJ. NO. 472-84990

PEC PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
 303 SOUTH TOPEKA WICHITA, KS 67202
 316-262-2691 www.pec1.com

Designed by BMM, JAG Job No. 35-11114-000 Sht. 7 of 31
 Drawn by BJS Date July 2011

Scaled 12-01-2012 5:24:11 PM by BJS
 Plot Scale 1:20 12-01-2012 5:40:04 PM by BJS
 G:\2011\11114\000\11114-000-07C-PAVING PLAN-PARKDALE CIRCLE 1