STATE	KDOT PROJECT NUMBER	YEAR	SHEET NUMBER	TOTAL SHEETS
KANSAS	54-87 K-8258-01	2007	320	556
			LS-15	

Irrigation Equipment Key

Irrigation Equipment

- Vacuum Breaker
- Controller
- Thrust Block

Pipes & Sleeves

- 3" Main Line & Electric
- 4" Main Line & Electric
- Lateral Line
- Sleeving — 2", 4", 6" (51mm, 102mm, 152mm)

Valve Notes

Controller Zone /Tandem # Turf or Shrub	
Valve Size	Gallons per Minute

Valves

- 3" Mainline Isolation Valve
- 4" Mainline Isolation Valve
- Mainline Manual Drain
- Quick Coupler
- 1" Electric Control Valve
- 1-1/2" Electric Control Valve
- 2" Electric Control Valve

Sprinkler Heads

- 8 series VAN (1804)
- 12 series VAN (1804)
- U-8 series (1806)
- U-10 series (1806)
- U-12 series (1806)
- U-15 series (1806)

Rotors

- rotor 25' (5006)
- rotor 30' (5006)
- rotor 35' (5006)

Rotary Nozzles

- rotary 13-18 full (1806)
- rotary 13-18 three quarters (1806)
- rotary 13-18 two thirds (1806)
- rotary 13-18 half (1806)
- rotary 13-18 third (1806)
- rotary 13-18 quarter (1806)
- rotary 17-24 full (1806)
- rotary 17-24 three quarter (1806)
- rotary 17-24 half (1806)
- rotary 17-24 third (1806)
- rotary 17-24 quarter (1806)

Notes:

1. Where possible, locate **Control Valve Vaults** in turf areas.
2. **Quick-Coupling Valves** to be located at intervals of approximately 45.7m (150') along Kellogg. Where possible, locate Quick-Coupling Valves in turf areas. When located within a planting bed, site approximately 0.46 m (18") from the edge of the bed, and accessible from turf. Where possible, avoid locating in plantings of thorny shrubs (Pyracantha, Rose, Flowering Quince), and Junipers.
3. All **lateral lines** to be 25mm (1") diameter minimum.
4. All **Irrigation Heads** to be at least 152mm (6") clear of curbs, walls, and sidewalks.
5. Field adjust Irrigation Head locations to accomodate tree installations. Locate heads and make nozzle selections to prevent overwatering of trees. Elimination of any irrigation heads shall be approved by the Engineer.

0 10 20 30 50 meters

0 50 100 200 feet

north

Irrigation Detail Key

Page LS-20

1. Flow Meter Installation
2. Calsense Controller Enclosure Installation
3. Calsense Rain Bucket Installation

Page LS-21

1. Point of Connection
2. Irrigation System — Sleeving
3. Backflow Preventer
4. Thrust Blocks (typical)

Page LS-22

1. Electrical Control Valve (typical)
2. Quick Coupling Valve
3. Pop-up Spray Head (typical)
4. Rotor

Note:
Main Line and associated equipment shall be installed within landscape area (shown here outside of landscape area only for graphic clarity).
See Main Line Diagrams on pages LS-12 and LS-13.

CHECKED BY	DATE
DWF	07/24/06
DWF	10/04/06

Drawn by: DJF
File: 03001 kellogg/rock
Plotted: 100606
SCALE 1:500

Cook, Flatt & Strobel
ENGINEERS, P.A.

LANDSCAPE ARCHITECTS PLANNERS
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KANSAS DEPARTMENT OF TRANSPORTATION

IRRIGATION PLAN
EAST KELLOGG
STA. 3+250 TO STA. 3+650