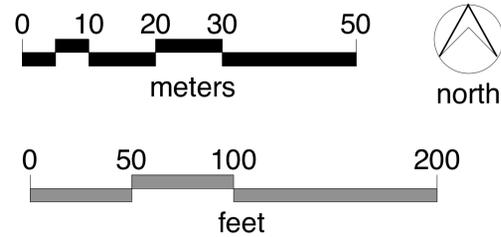


STATE	KDOT PROJECT NUMBER	YEAR	SHEET NUMBER	TOTAL SHEETS
KANSAS	54-87 K-8258-01	2007	323	556
			LS-18	



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:

- Where possible, locate **Control Valve Vaults** in turf areas.
- 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.
- All **lateral lines** to be 25mm (1") diameter minimum.
- All **Irrigation Heads** to be at least 152mm (6") clear of curbs, walls, and sidewalks.
- Field adjust Irrigation Head locations to accommodate tree installations. Locate heads and make nozzle selections to prevent overwatering of trees. Elimination of any irrigation heads shall be approved by the Engineer.

Irrigation Detail Key

Page LS-20

- Flow Meter Installation
- Calsense Controller Enclosure Installation
- Calsense Rain Bucket Installation

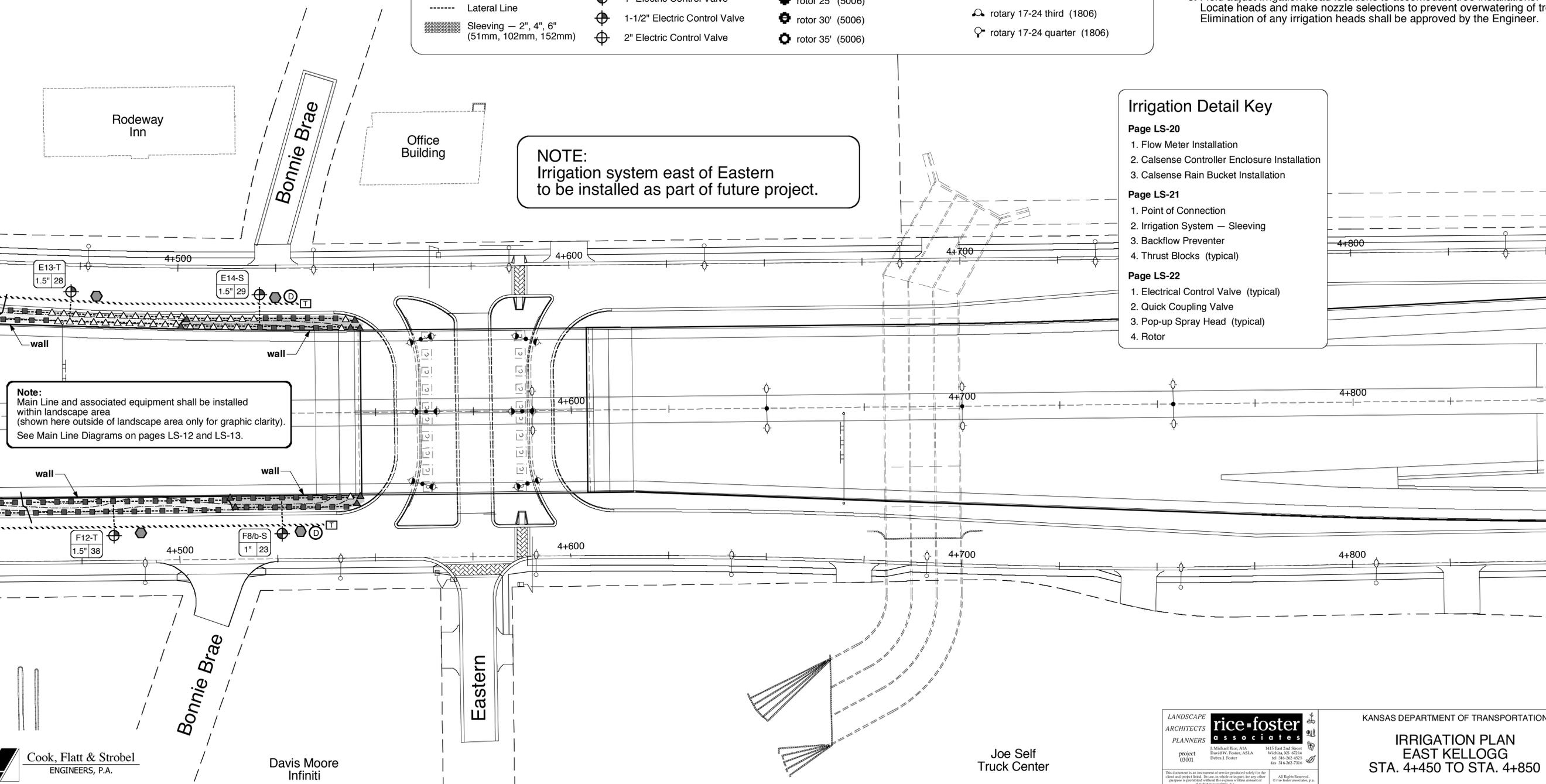
Page LS-21

- Point of Connection
- Irrigation System — Sleeving
- Backflow Preventer
- Thrust Blocks (typical)

Page LS-22

- Electrical Control Valve (typical)
- Quick Coupling Valve
- Pop-up Spray Head (typical)
- Rotor

NOTE:
Irrigation system east of Eastern to be installed as part of future project.



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
Plotted: 10/06/06
File: 03001 kelloggtrck SCALE: 1/500

Cook, Flatt & Strobel
ENGINEERS, P.A.

Davis Moore
Infiniti

Joe Self
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LANDSCAPE ARCHITECTS PLANNERS

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project 03001

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KANSAS DEPARTMENT OF TRANSPORTATION

IRRIGATION PLAN
EAST KELLOGG
STA. 4+450 TO STA. 4+850