

STATE	KDOT PROJECT NUMBER	YEAR	SHEET NUMBER	TOTAL SHEETS
KANSAS	54-87 K-8258-01	2007	324	556
			LS-19	

**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, Juniper).
- 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.

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

**Irrigation Detail Key**

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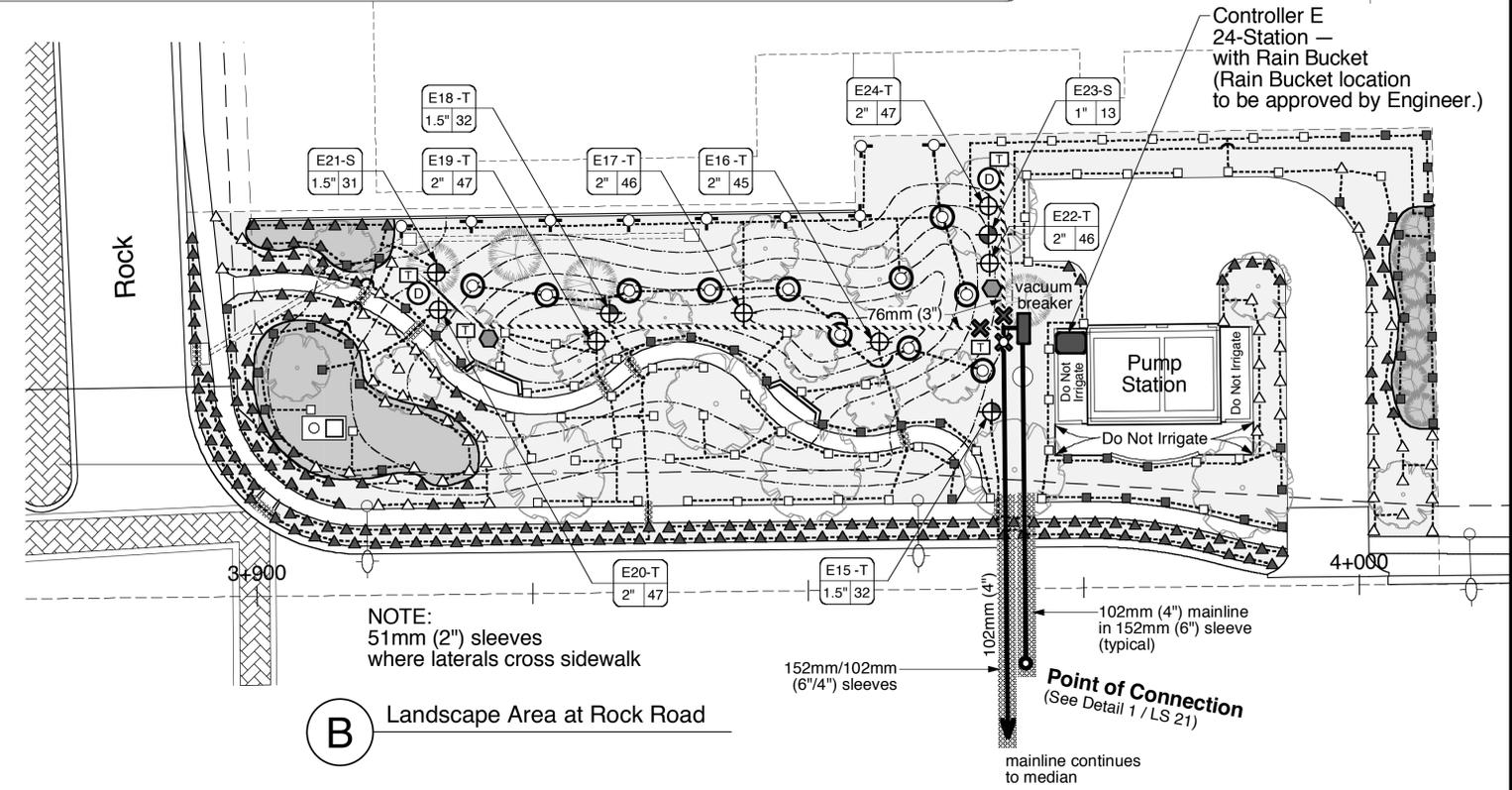
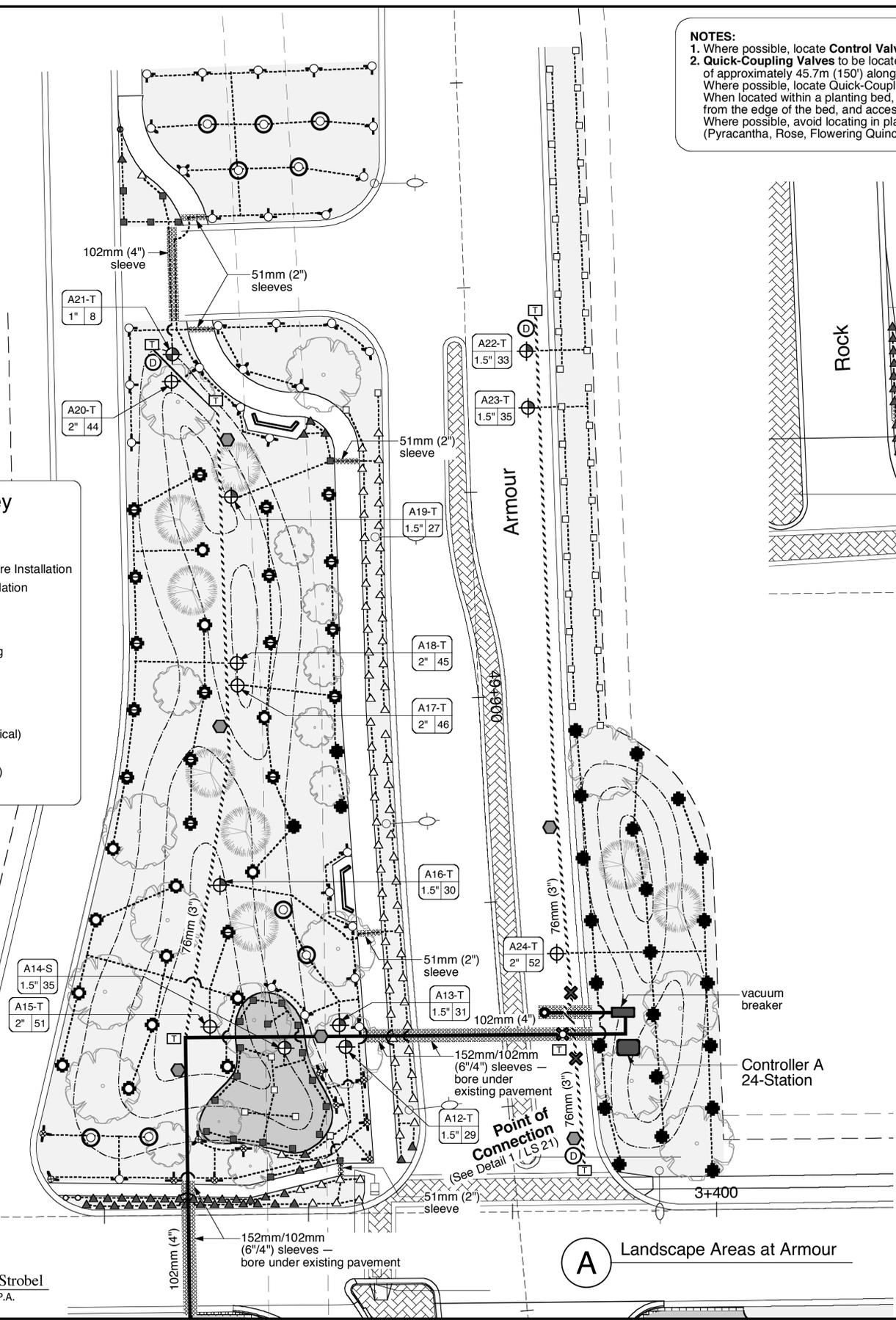
- Flow Meter Installation
- Calsense Controller Enclosure Installation
- Calsense Rain Bucket Installation

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

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



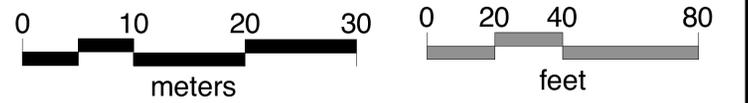
**B** Landscape Area at Rock Road

**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)

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



LANDSCAPE ARCHITECTS PLANNERS

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KANSAS DEPARTMENT OF TRANSPORTATION

**IRRIGATION PLAN  
EAST KELLOGG  
LANDSCAPE AREAS  
AT ARMOUR & AT ROCK**

Drawn by: DJF  
File: 03001\_kellogg/rock  
Plotted: 10/06/06  
SCALE: 1:500

**Cook, Flatt & Strobel**  
ENGINEERS, P.A.