

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-84071	2005	LS3.1	

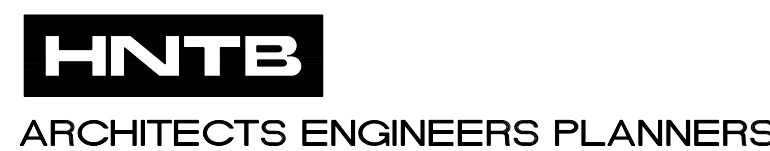
Irrigation notes

- Contractor must refer to the construction documents in their entirety to ensure necessary coordination among all disciplines throughout the duration of the contract.
- The system design assumes a design pressure of approximately 90 psi at the City main. This assumption is based on information provided by the City of Wichita in June of 2002. Contractor shall verify approximate pressure after meter installation and prior to main line connection.
- Contractor is to refer to the written technical specifications for additional information regarding the system's components and performance.
- Contractor is responsible to locate all utilities prior to beginning work. In addition, the contractor must refer to the drawings in this set that depict proposed utilities, then coordinate with the appropriate sub-contractor to avoid conflict. The Contractor shall repair, at his own expense, damage to utilities as a result of irrigation installation.
- Irrigation plans and routing are schematic by nature. The Contractor shall make minor changes in line routing, as necessary, to avoid site features, proposed trees, utilities and other features that may affect system function. The Contractor shall maintain a set of drawings reflecting these modifications and will provide the set to the Engineer upon completion of the irrigation improvements. For clarity, plans may show irrigation lines outside the intended installation location, refer to all enlargements and details for proposed locations of system components.
- Contractor shall flag proposed locations of controllers, main line routing, system valves, and other system components for approval by the Engineer prior to installation. Notify the Engineer of any potential problems or discrepancies.
- All electrical power service for system controllers is to be coordinated with electrical sub-contractor and installed per local code. Cost for electrical service shall be subsidiary to the controller installation.
- Contractor shall connect a rain / freeze sensor to each controller via sensor inputs.
- Each valve shall be in its own valve box.
- Irrigation system includes all sleeving. The Contractor must coordinate installation of the irrigation system with the other contractors to ensure that all sleeving is in place.
- All items not specifically itemized in quantity tables are subsidiary.
- The irrigation control system shall be compatible and fully functional with the City of Wichita Parks Department system. The System shall be a decoder based, 2 wire system. Decoders shall be water-tight and placed in valve boxes. The controllers shall be capable of controlling 50 decoder addresses and capable of sensor attachments for the rain/freezer sensor. The controller system must be modem based & capable of communication with existing Wichita Parks Department irrigation software.
- Decoders & associated control wires are subsidiary to valve installation.
- The Contractor shall fully maintain & warranty all irrigation system components for 1 full year following project acceptance per specifications. The information is found under Spec. #900-06-Landscape Maintenance.
- Phone modem access to controllers is the responsibility of the contractor. Cost is subsidiary to the controller installation.

Pay Items:

- All irrigation pay items are to be paid for 'complete in place'. Any items not specifically identified that are required to install a working system according to the plans and specifications shall be subsidiary to the pay items listed on this sheet.

This sheet designed by:



Legend

- PVC SCH 40 Main Line as sized
- PE Supply Line and/or Headers as sized
- In-line emitter landscape drip line (emitters 12" O.C., .6 GPH)
- Drip zone valve assemblies with pressure regulation modules
- Double check backflow preventer (size per plan)
- Flush Valve in valve box
- Air Release Valve in valve box
- Meter (size per plan)
- Controller
- Polyethylene (PE) sleeves sized as noted
- | |
|--------|
| *5A |
| 14 gpm |
| 1" |
| 30 psi |

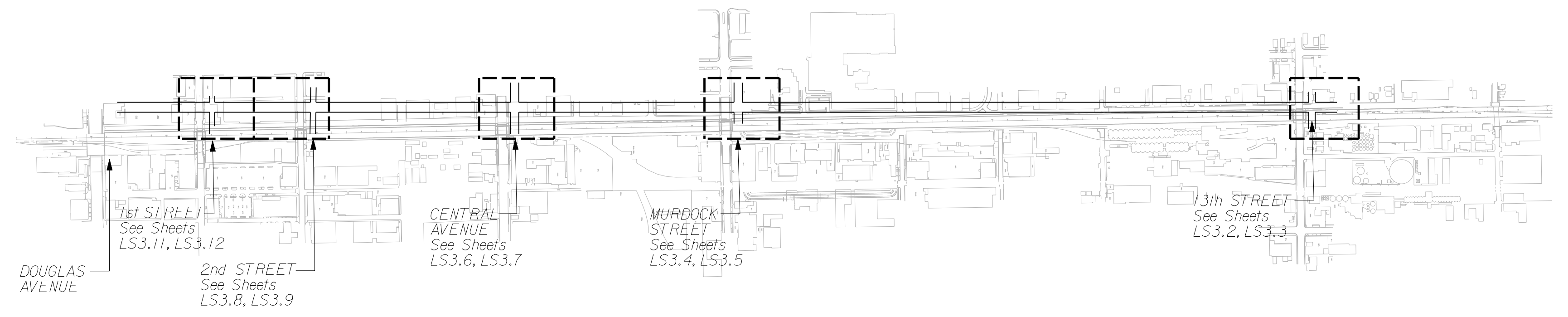
 Station number & controller
Station volume
Valve assembly size
Psi to set on valve pressure regulator
- Quick Coupler (1")

Sheet Description

LS3.1	General Notes, Index of Irrigation Sheets, Quantity Summary
LS3.2	Irrigation Plan - 13th Street Bridge
LS3.3	Irrigation Plan - 13th Street Bridge
LS3.4	Irrigation Plan - Murdock Street
LS3.5	Irrigation Plan - Murdock Street
LS3.6	Irrigation Plan - Central Avenue Bridge
LS3.7	Irrigation Plan - Central Avenue Bridge
LS3.8	Irrigation Plan - 2nd Street Bridge
LS3.9	Irrigation Plan - 2nd Street Bridge
LS3.10	Irrigation Plan - 1st Street Bridge
LS3.11	Irrigation Plan - 1st Street Bridge
LS3.12	Irrigation Plan - 1st Street Bridge
LS3.13	Irrigation Details
LS3.14	Irrigation Details
LS3.15	Irrigation Details

Alternate #4

ESTIMATE QUANTITIES			
Spec. No.	Item (Irrigation)	Quantity	Unit
906	Irrigation Meters & Service Installed (1")	3	EA
906	Irrigation Meters & Service Installed (1 1/2")	1	EA
906	Backflow Preventers (1")	3	EA
906	Backflow Preventers (1 1/2")	1	EA
906	Controllers	2	EA
906	1" PVC SCH 40 Main	35	LF
906	2" PVC SCH 40 Main	1,235	LF
906	Laterals & Fittings	1	LS
906	Drip Zone Valve Assemblies (3/4")	8	EA
906	Drip Zone Valve Assemblies (1")	2	EA
906	Quick Couplers (1")	5	EA
906	2" PE Sleeve	1,034	LF
906	3" PE Sleeve	235	LF
906	Flush Valves	51	EA
906	Air Release Valves	51	EA
906	Drip Line w/ Staking	14,463	LF



3				
2				
1				
NO.	DATE	REVISIONS	BY	APP'D
CITY OF WICHITA				
WICHITA CENTRAL CORRIDOR IRRIGATION SHEET INDEX, GENERAL NOTES, ESTIMATE OF QUANTITIES				
SHEET NO. 1 OF 13	SCALE: NONE	APP'D:		
DESIGNED: JF	DETAILED: JRK, KA	QUANTITIES: JRK, KA	TRACED:	
DESIGN CK.: WP	DETAIL CK.: WSN	QUAN. CK.: WP	TRACE CK.:	