

MATCHLINE STA. 41+00



MATCHLINE STA. 913+00

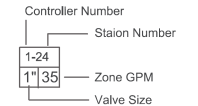
MATCHLINE STA. 913+00

**GENERAL IRRIGATION NOTES**

- CONTACT ALL UTILITIES AND GENERAL CONTRACTOR AT LEAST 5 DAYS PRIOR TO THE START OF CONSTRUCTION.
- MAINTAIN ALL CODES REQUIRED BY STATE AND LOCAL AUTHORITIES.
- COORDINATE ELECTRICAL HOOKUP WITH GENERAL CONTRACTOR, ELECTRICIAN AND OWNER THE CONTROLLER WILL BE A STAND ALONE MOUNT WITH ELECTRICAL BROUGHT TO THE CONTROLLER LOCATION THE IRRIGATION CONTRACTOR WILL BE RESPONSIBLE FOR CONNECTIONS FROM THE POWER DROP TO THE CONTROLLER.
- COORDINATE ALL SLEEVES AND PENETRATIONS WITH GENERAL CONTRACTOR IRRIGATION CONTRACTOR IS RESPONSIBLE FOR BORES, SLEEVES OR PENETRATIONS RELATED TO THE IRRIGATION
- IRRIGATION HEADS AND LINES ARE SCHEMATIC - MINOR FIELD ADJUSTMENTS MAY BE REQUIRED
- INSTALL ALL PIPING AND FITTINGS USING GLUE METHODS CONSISTANT WITH MANUFACTURER'S RECOMMENDATIONS
- MAINLINE PIPING SHALL BE INSTALLED AT MINIMUM OF 12" LATERAL LINES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 12"
- CAP OR PLUG ALL OPENINGS AS SOON AS LINES ARE INSTALLED TO PREVENT DEBRIS IN THE LINE.
- THOROUGHLY FLUSH ALL LINES PRIOR TO THE OPERATION OF SPRINKLER HEADS.
- INSTALL WIRES A MIN. OF 10" BELOW GRADE. -SPICES ARE NOT ALLOWED IN THE TRENCH. -PROVIDE A 24" EXPANSION LOOP AT EACH CHANGE IN DIRECTION. -5 FEET OF EXCESS DECODER WIRE IS TO BE AT EACH DECODER LOCATION FOR EASE OF ACCESS.
- THE IRRIGATION SYSTEM SHALL BE TESTED AT OPERATING PRESSURE FOR A MINIMUM OF 4 HOURS. REPAIR ALL LEAKS AND RETEST AFTER CURING.
- UPON COMPLETION OF TEST, COMPLETE ASSEMBLY OF ALL EQUIPMENT AND SPRINKLERS FOR PROPER DISTRIBUTION.
- PROVIDE 'AS BUILT' DRAWINGS SHOWING ALL COMPONENTS OF THE SYTEM PRIOR TO FINAL PAYMENT. PROVIDE FINAL GPM OF ZONES, WIRE RUNS, HEADS, VALVES, PIPE SIZES ETC...
- ALL GASKETED PRESSURE PIPE AND FITTINGS SHALL BE THRUST BLOCKED. NO CONCRETE PREFORMED BLOCKS WILL BE ALLOWED.
- ALL EXISTING UTILITIES WHICH ARE NOT SHOWN ON THESE DOCUMENTS WHICH NEED TO BE REMOVED, RELOCATED AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR
- ALL BIDDERS SHALL VISIT AND REVIEW THE SITE AND FAMILIAR THEMSELVES WITH THE SITE THE SITE PRIOR TO SUBMITTING A BID.
- CONTRACTOR TO PROVIDE BLOW OUT TAP AFTER RPZ UNIT
- CONTRACTOR IS RESPONSIBLE FOR SUBMITTING AND ACQUIRING ALL PERMITS
- PRIOR TO INSTALLATION, FIELD TEST THE SYSTEM PRESSURE AT THE POINT OF CONNECTION THE SYSTEM IS BASED ON GPM AND PRESSURE FURNISHED BY OTHERS, CONTRACTOR IS RESPONSIBLE TO VERIFY PRESSURE IS AT LEAST 30 STATIC PSI AND NOTIFY OWNER IF PRESSURE IS LOWER.
- DRAWING IS SCHEMATIC, FIELD ADJUSTMENTS MAY BE NEEDED. LOCATE ALL MAIN LINES AND LATERAL LINES IN TURF OR PLANTING AREAS. COMPONENTS ARE DRAWN OUTSIDE OF AREAS FOR EASE OF READING.
- CONTRACTOR IS RESPONSIBLE FOR FINAL HEAD PLACEMENT AND NOZZLES SELECTION TO ENSURE THAT THE SPRINKLER SPRAY DOES NOT REACH THE STREET.

**LEGEND**

- HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; FULL CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- ◐ HUNTER PROS-12-PRS30-CV 12" SPRAY HEAD; PART CIRCLE PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- ⊗ HUNTER PROS-04-PRS30-CV 4" SPRAY HEAD; PART CIRCLE HUNTER PRO SPRAY NOZZLES - NOZZLE RADIUS VARIES
- ▼ HUNTER 1" HQ-44RCAW SERIES QUICK COUPLER
- CL 200 PVC PIPE - 2" & 1.5" MAINLINE
- 1" PE HD100 PIPE
- Ⓢ BASELINE 3200 STAINLESS STEEL PEDESTAL, DC CONTROLLER CONTROLLER TO HAVE SOLAR PANEL BL-DC-85WPANEL MOUNTED ON A 3" GALVANIZED POLE WITH CAP. COORDINATE WITH OWNER FOR MOUNTING LOCATION, INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS. USE BL-5201DC BICODERS. PROVIDE AND INSTALL A BISENSOR. PROVIDE & INSTALL A RAINCLIK SENSOR TO WORK WITH THE CONTROLLER. PROVIDE AND INSTALL A TRC COMMAND RECEIVER ON THE PEDESTAL & HANDHELD TRANSMITTER. BL-CMDR & BL-3200T-P. INSTALL ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ENCLOSURE SIZE.
- Ⓢ BASELINE SOIL SENSOR BI-5315B; ONE PER CONTROLLER
- ⌘ 2" ISOLATION GATE VALVE
- ⓐ GROUNDING PER DETAIL. PROVIDE A BASELINE SURGE ARRESTOR AT EACH GROUNDING LOCATION AND INSTALL PER MANUFACTURES RECOMMENDATIONS.
- ⊕ HUNTER PGV-101G-DC ELECTRIC VALVES VALVES TO HAVE DC LATCHING SOLENOID.
- Ⓜv BASELINE 1.5" BHM SERIES HYDROMETER; COMBINATION MASTER VALVE AND FLOW SENSOR. NORMALLY OPEN CONFIGURATION, ADJUST FLOW LIMITS IN CONTROLLER.
- ⓐ WATERTRONICS WATERPAK 3- 3HP VFD STATION MOUNT PUMP ON CONCRETE SLAB
- ⊗ 1.5" BLOW OUT TAP WITH PLUG
- ⌘ 1.5" RPZ BACKFLOW PREVENTER AND METER - PROVIDED BY THIS CONTRACTOR RPZ TO BE LOCATED IN AN ENCLOSURE. COLOR AND STYLE TO BE APPROVED. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE BACKFLOW/METER FITS IN THE ENCLOSURE. INSTALL PER MANUFACTURES RECOMMENDATIONS.
- △ 1.5" POINT OF CONNECTION - COORDINATE WITH OWNER & GENERAL CONTRACTOR IRRIGATION TAPS VARY. FOLLOW STATE AND LOCAL CODES FROM TAP THROUGH BACKFLOW PREVENTOR, METER AND SYSTEM.
- 2" PIPE SIZE



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FILE NAME = LaGrangeIR_020413.dwg	USER NAME = jrossman	DESIGNED — AB	REVISED —
		DRAWN — JR	REVISED —
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		PLOT DATE = 11/26/2012	REVISED —
		DATE — 03/13/13	REVISED —

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IRRIGATION PLAN  
US 45 (LAGRANGE ROAD)**

SCALE: AS SHOWN SHEET NO. 1 OF 12 SHEETS STA. BEGIN TO STA. 41+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-3	COOK	932	439
<b>IR-01</b>		CONTRACT NO. 60F05		
ILLINOIS FED. AID PROJECT				