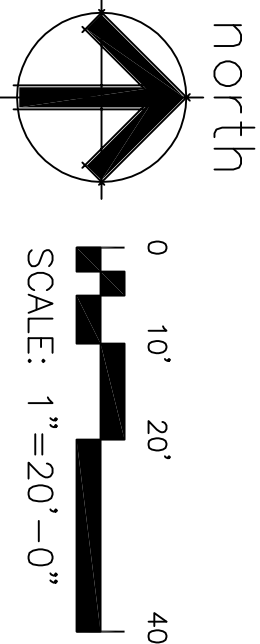


IRRIGATION PLAN



IRRIGATION NOTES.

1. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY. WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE OR PAVED AREAS, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT EXISTING GRASS AREAS.
2. THE IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY. WHERE PIPING AND VALVES ARE SHOWN OVER GRAVE SITES, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT LANES BETWEEN GRAVE SITES AND CURBING/FENCE.
3. COORDINATE LATERAL LINE AND ROTOR HEAD PLACEMENT FOR THE ONE HEAD IN THE MIDDLE OF THE GRAVEYARD WITH CEMETERY STAFF.
4. IRRIGATION CONTRACTOR TO COORDINATE WITH CEMETERY STAFF & GENERAL CONTRACTOR TO PROVIDE POWER SOURCE FOR IRRIGATION CONTROLLER. AN APPROXIMATE LOCATION IS SHOWN.
5. IRRIGATION CONTRACTOR TO VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO STARTING WORK. PROVIDE AN ALTERNATE BID COST FOR BACKFLOW DEVICE AND ENCLOSURE, THE UNIT MAY ALREADY BE EXISTING.
6. IN ALL TURF AREAS PROVIDE HEAD TO HEAD COVERAGE AND ADJUST HEADS TO KEEP EXCESSIVE SPRAY OFF WALKWAYS, WALLS, STRUCTURES, AND PLANTING BEDS.
7. COORDINATE IRRIGATION PLAN WITH PLANTING PLAN AND UTILITY PLANS. PLACE IRRIGATION LINES AWAY FROM OTHER UTILITIES AND TREES WHEN POSSIBLE.
8. DISCREPANCIES BETWEEN THE DRAWINGS AND SITE SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR CLARIFICATION BEFORE STARTING WORK.
9. ANY AND ALL MATERIAL OR EQUIPMENT SUBSTITUTIONS TO BE APPROVED BY THE LANDSCAPE ARCHITECT.
10. COORDINATE ALL PROPOSED PIPING LOCATIONS WITH CEMETERY STAFF FOR CURRENT CEMETERY GRAVE LAYOUTS.
11. PROVIDE TWO (2) GATE VALVE KEYS FOR CEMETERY STAFF AFTER WORK IS COMPLETE.
12. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:

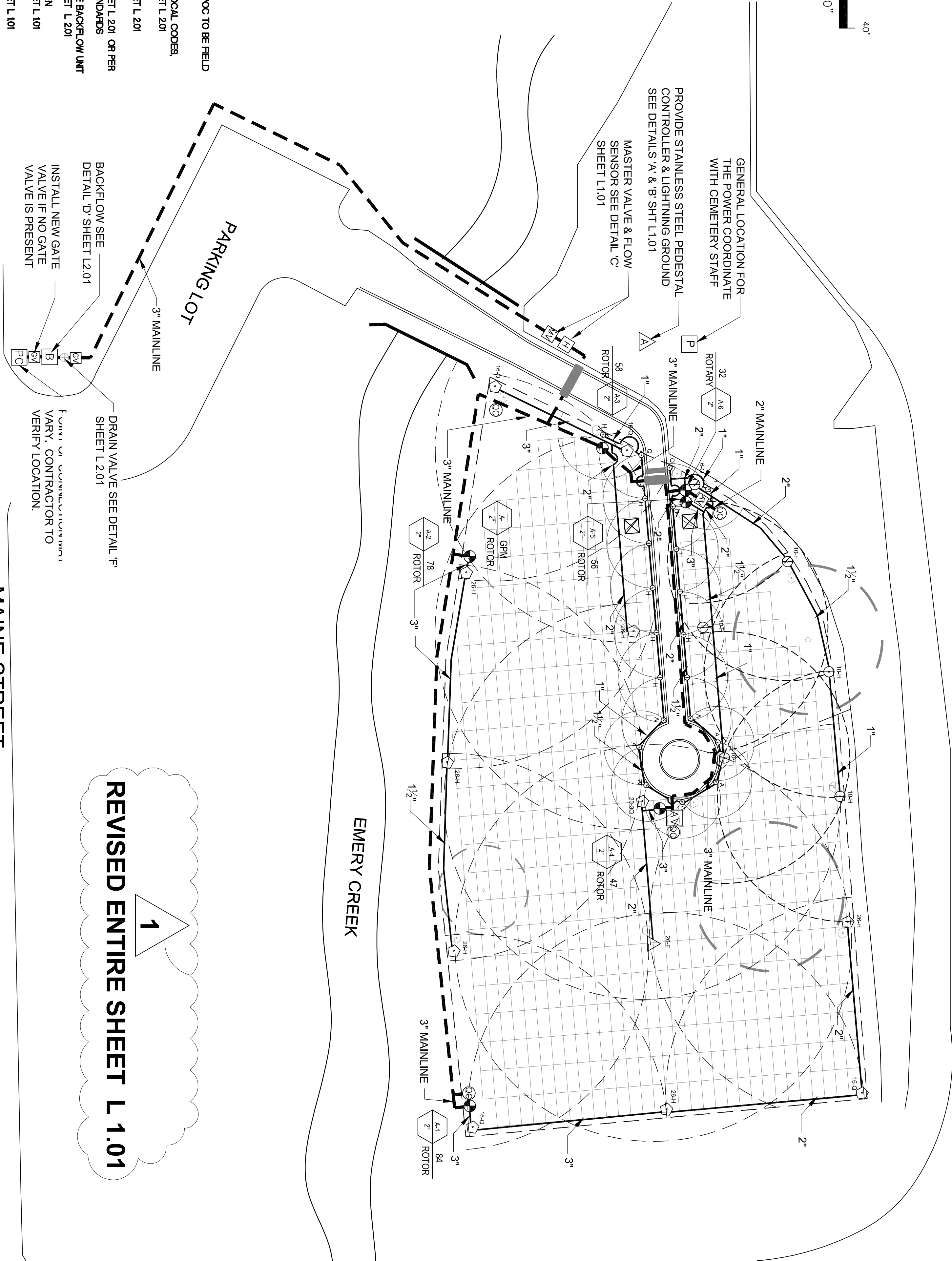
PIPE SIZE		REQUIRED SLEEVING
3" PVC MAINLINE	1 - 6" CLASS 200 PVC SLEEVE	VALVE NUMBER GPM → FLOW IN GPM
2 1/2" PVC MAINLINE	1 - 4" SCH 40 PVC SLEEVE	ROTOR → SPRINKLER TYPE VALVE SIZE
1" PVC LATERAL	1 - 2" SCH 40 PVC SLEEVE	
WIRE QUANTITY		
1 - 20 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE	

IRRIGATION SCHEDULE

SYMBOL	DESCRIPTION	MFR.	MODEL	SIZE	NOTES
	POINT OF CONNECTION AT METER	SUBMIT SHOP DRAWINGS	PER CURRENT CODES	2"	LOCATION OF POC TO BE FIELD DETERMINED.
	BACKFLOW DEVICE (IN WINTERIZED ENCLOSURE)	FERRCO PER CEMETERY STAND.	825/A	2"	INSTALL PER LOCAL CODES. DETAIL-D SHEET L 2.01
	GATE VALVE	CLOW OR PER CEMETERY STAND.	C-509		DETAIL-C SHEET L 2.01
	REMOTE CONTROL VALVE W/ SPARE PVC BALL VALVE 255 PSI	RANBRD	200-FESB VALVE WITH PPS-D PRESSURE REG.	2-INCH VALVE	DETAIL-B SHEET L 2.01 OR PER CEMETERY STANDARDS
	MANUAL DRAIN VALVE	CHAMPION OR PER CEMETERY STAND.	ANGLE VALVE 200PS-075	3/4" VALVE	INSTALL AT THE BACKFLOW UNIT DETAIL-F SHEET L 2.01
	MASTER VALVE	BERNARD	40-020-6-NP-NO	2-INCH	INSTALL AT THE BACKFLOW UNIT DETAIL-F SHEET L 2.01
	FLOW METER/SENSOR	RANBRD	FS 200P	2-INCH	NORMALLY OPEN DETAIL-C SHEET L 1.01
	FILTERED DRAIN VALVE	RANBRD OR PER CEMETERY STAND.	8A-FDV	1/2" NPT	DETAIL-C SHEET L 1.01
	IRRIGATION CONTROLLER W/ QUICK-PAD MOUNT	RANBRD	ESP-LINE CONTROLLER W/SMART FLOW MODULE	8-STATIONS	INSTALL AT LOW POINTS OF LATERAL LINE. THE LOCATIONS SHOWN WILL VARY ON CURRENT GRADES DETAIL-G SHEET L 2.01
	AIR VACUUM	CHIEPIN OR PER CEMETERY STAND.	C10	(3/32" ORifice SIZE)	LOCATE AT HIGHEST POINT OF MAINLINE. LOCATIONS SHOWN WILL VARY WITH CURRENT GRADES DETAIL-E SHEET L 2.01
	QUICK COUPLING VALVE W/SMART-KEY	WEATHERMATIC	CMX00 RLK-2 ISHL	1-INCH	DETAIL-J SHEET L 2.01
	PVC MAINLINE		SCHEDULE 40 BE PVC	3"	
	PVC LATERAL LINE		SCHEDULE 40 BE PVC		
	SLEEVE UNDER PAVED AREAS		SCHEDULE 40 BE PVC		SEE IRRIGATION NOTE NO. 11
	EXISTING TREE				

SPRINKLER SCHEDULE

SYMBOL	MFG.	MODEL	NOZZLE	NOZZLE PATTERN	RADIUS	PSI	GPM	NOTES
	RAINBRD	8005-S8	26	F - FULL	59' to 63'	60	27	NOZZLE INFORMATION ON DRAWING
	RAINBRD	8005-S8	16, 20, 26	O - 1/4" H - 1/2, 30 - 3/4	59' to 63'	60	27	NOZZLE INFORMATION ON DRAWING
	RAINBRD	8005-S8	6, 10	O - 1/4" H - 1/2, 30 - 3/4	40'	60	6, 10	NOZZLE INFORMATION ON DRAWING
	RAINBRD	8006-RD-O6	R 13-18	O - 1/4" H - 1/2	15'	50	05, 10	NOZZLE INFORMATION ON DRAWING
	RAINBRD	8006-RD-O6	R 13-18	A - VARIABLE ARC	15'	50	15	NOZZLE INFORMATION ON DRAWING

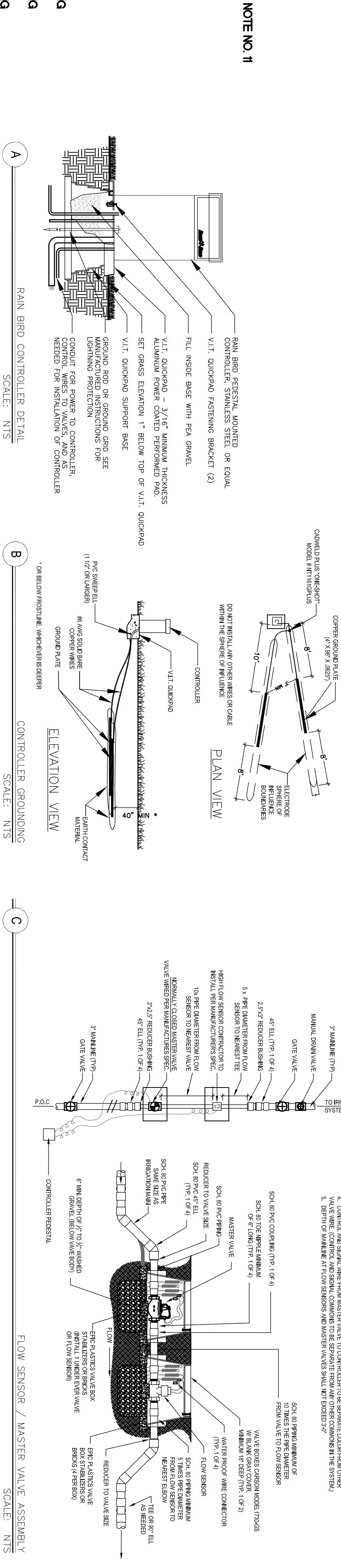


MAINE STREET

EMERY CREEK

PARKING LOT

REVISED ENTIRE SHEET L 1.01



Rev	Date	By	Description
1	05/08/2013	DH	CEMETERY REVIEW

Project Name: QUINCY NATIONAL CEMETERY
36th and MAINE ST.
QUINCY, ILLINOIS
Sheet Title: IRRIGATION PLAN
DESIGN BUILD