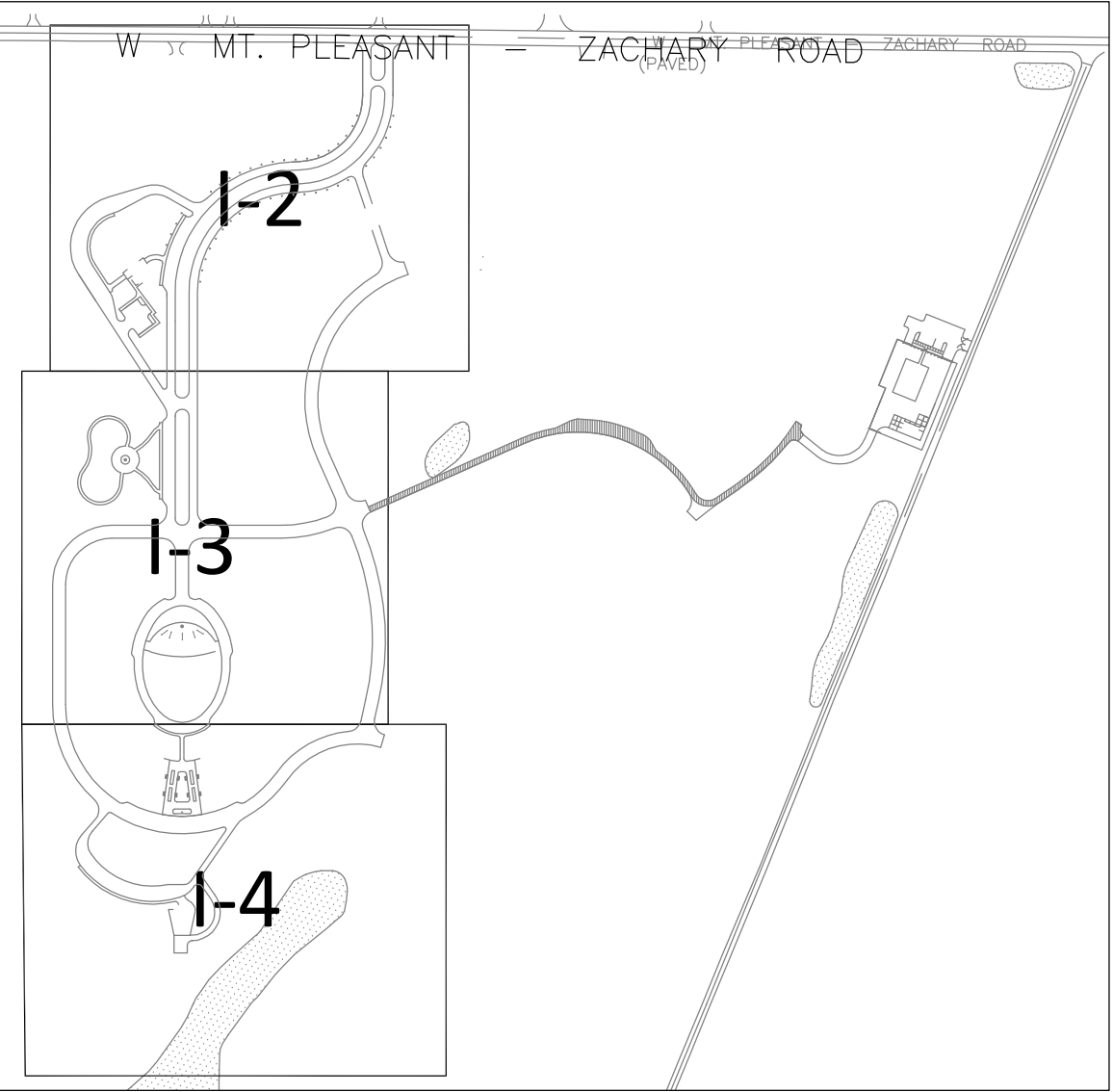


WEST MOUNT PLEASANT - ZACHARY ROAD

LEGEND

- EXISTING HDPE IRRIGATION MAINLINE  
----- EXISTING HDPE IRRIGATION MAINLINE STUB-OUT  
SLEEVING  
HDPE IRRIGATION MAINLINE PIPE  
HDPE SUB-MAINLINE PIPE TO VIH SPRINKLERS  
PVC LATERAL PIPE TO SPRINKLERS
- ⊗ MAINLINE ISOLATION GATE VALVE ASSEMBLY  
■ ISOLATION GATE VALVE FOR SPRINKLER SUB-MAINLINE  
▲ AIR VACUUM RELIEF VALVE ASSEMBLY  
⊕ QUICK COUPLING VALVE ASSEMBLY  
⊙ REMOTE CONTROL VALVE ASSEMBLY  
⊗ FLOWER WATER STATION
- POP-UP SPRAY SPRINKLER:  
PRESSURE: 30 PSI RADIUS: 5 FEET  
FLOW (GPM): Q - 0.10 H - 0.20 F - 0.41
- POP-UP SPRAY SPRINKLER:  
PRESSURE: 30 PSI RADIUS: 8 FEET  
FLOW (GPM): Q - 0.26 H - 0.52 F - 1.05
- POP-UP SPRAY SPRINKLER:  
PRESSURE: 30 PSI RADIUS: 10 FEET  
FLOW (GPM): Q - 0.39 H - 0.79 F - 1.58
- POP-UP SPRAY SPRINKLER:  
PRESSURE: 30 PSI RADIUS: 12 FEET  
FLOW (GPM): Q - 0.65 H - 1.30 F - 2.60
- POP-UP SPRAY SPRINKLER:  
PRESSURE: 30 PSI RADIUS: 15 FEET  
FLOW (GPM): Q - 0.92 H - 1.85 F - 3.70
- POP-UP GEAR-DRIVEN ROTOR SPRINKLER, PRESSURE: 65 PSI
- | FC  | PC | NOZZLE | FLOW(GPM) | RADIUS (FEET) |
|-----|----|--------|-----------|---------------|
| 2.0 |    |        | 2.30      | 32            |
- NOTE: FC=FULL CIRCLE, PC=PART CIRCLE
- POP-UP GEAR-DRIVEN ROTOR SPRINKLER, PRESSURE: 60 PSI
- | FC  | PC | NOZZLE | FLOW(GPM) | RADIUS (FEET) |
|-----|----|--------|-----------|---------------|
| 3.0 |    |        | 3.40      | 41            |
| 4.0 |    |        | 3.80      | 45            |
| 5.0 |    |        | 4.70      | 47            |
- NOTE: FC=FULL CIRCLE, PC=PART CIRCLE
- POP-UP GEAR-DRIVEN ROTOR SPRINKLER, PRESSURE: 70 PSI
- | FC   | PC | NOZZLE | FLOW(GPM) | RADIUS (FEET) |
|------|----|--------|-----------|---------------|
| 6.0  |    |        | 6.70      | 45            |
| 10.0 |    |        | 11.10     | 55            |
- NOTE: FC=FULL CIRCLE, PC=PART CIRCLE
- VALVE-IN-HEAD ROTOR SPRINKLER, PRESSURE: 70 PSI
- | FC | PC | NOZZLE | FLOW(GPM) | RADIUS (FEET) |
|----|----|--------|-----------|---------------|
| 32 |    |        | 18.30     | 61            |
- NOTE: FC=FULL CIRCLE, PC=PART CIRCLE
- ⊙ STREAM BUBBLER NOZZLE ON POP-UP SPRAY SPRINKLER ASSEMBLY:  
PRESSURE: 30 PSI FLOW: 0.5 GPM RADIUS: 5- FEET
- NOTE: INSTALL ONE BUBBLER PER TREE/SHRUB ON 12-INCH POP-UP HEIGHT. LOCATE BUBBLER ON DOWNHILL SIDE OF TREE AND 6 INCHES FROM EDGE OF ROOT BALL.
- 1-14 65 2" - INDICATES CONTROLLER AND CONTROLLER STATION NUMBER  
INDICATES LATERAL DISCHARGE IN GPM  
INDICATES REMOTE CONTROL VALVE SIZE IN INCHES

NOTE: THE NUMBER OF STATIONS USED ON EXISTING TWO WIRE CONTROLLER #1 IS 120 STATIONS. INCLUDING BID OPTION #2 ADDS TWO MORE STATIONS AND ADDING BID OPTION #3 ADDS FOUR MORE STATIONS FOR A TOTAL OF 126 STATIONS.



CONSTRUCTION DOCUMENTS

Revisions	Date		<b>Carter-Burgess</b> A Wholly Owned Subsidiary of Jacobs Consultants in Architecture, Engineering, Planning, and the Environment Sacramento Office 180 Promenade Circle, Suite 300 Sacramento, California 95834 (918) 929-3323 Fax (918) 929-1772	Subconsultant List		NATIONAL CEMETERY ADMINISTRATION	Drawing Title	Project Title	Date:		
				DREYFUSS & BLACKFORD 3540 FOLSOM BOULEVARD, SACRAMENTO, CA 95816 (916) 453-1234 CAPITAL ENGINEERING CONSULTANTS 11020 SUN CENTER DRIVE, RANCHO CORDOVA, CA 95670 (916) 851-3500 ECOM ENGINEERING INC. 1796 TRIBUTE ROAD, SUITE 100 SACRAMENTO, CA (916) 641-5600 BUEHLER & BUEHLER STRUCTURAL ENGINEERS, INC. 600 Q STREET, STE. 200, SACRAMENTO, CA. 95811 (916) 443-0303 W.L. BURLE ENGINEERS, PA 111 S. WALNUT STREET, GREENVILLE, MS 38702 (662) 332-2619 AQUA ENGINEERING, INC. 4803 INNOVATION DRIVE, FORT COLLINS, CO 80525 (970) 229-9668 THE SIERRA WEST GROUP, LLC 2730 GATEWAY OAKS DRIVE, STE. 110 SACRAMENTO, CA. 95833 (916) 925-4000			IRRIGATION PLAN	LOUISIANA NATIONAL CEMETERY GRAVESITE EXPANSION PHASE 1B	MARCH 22, 2012		
							Approved: Director, Office of Construction Management	Building Number	Checked JDL	Drawn CAM	Project No. 870CM3023B
							Approved: Director, Project Management Service	Location	LOUISIANA NATIONAL CEMETERY ZACHARY, LOUISIANA		DRAWING NO. I-2 Dwg 60 OF 137