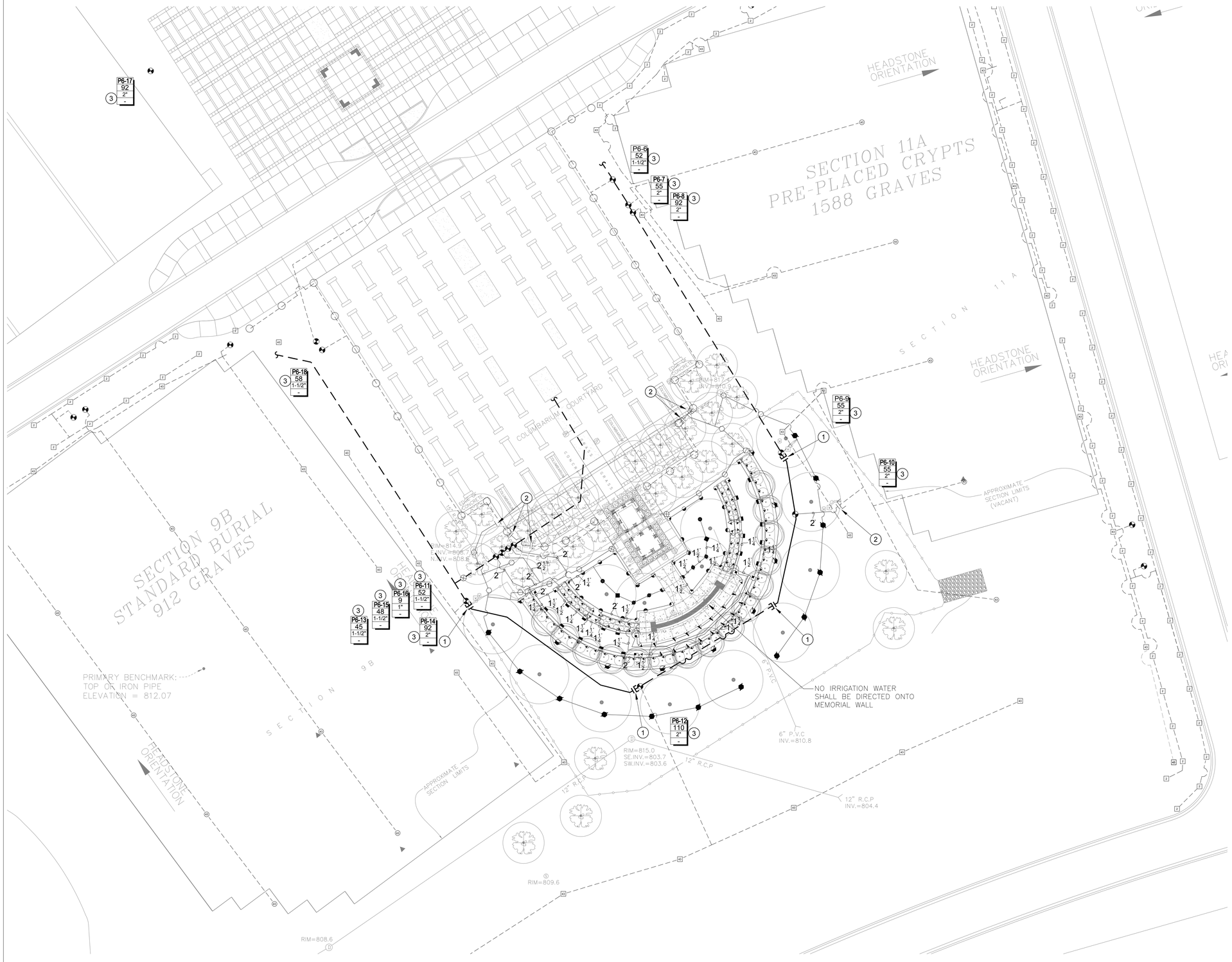

LEGEND

- EXISTING MAINLINE PIPE
- CAPPED EXISTING MAINLINE PIPE
- EXISTING LATERAL PIPE
- CAPPED EXISTING LATERAL PIPE
- EXISTING QUICK COUPLING VALVE ASSEMBLY
- EXISTING REMOTE CONTROL VALVE ASSEMBLY
- EXISTING POP-UP SPRAY SPRINKLER ASSEMBLY
- EXISTING POP-UP MP ROTATOR SPRINKLER ASSEMBLY
- EXISTING POP-UP ROTOR SPRINKLER ASSEMBLY
- NEW MAINLINE PIPE
- NEW MAINLINE PIPE POINT-OF-CONNECTION TO EXISTING LATERAL PIPE
- NEW LATERAL PIPE: CLASS 160 PVC (1-INCH SIZE UNLESS OTHERWISE INDICATED)
- NEW LATERAL PIPE POINT-OF-CONNECTION TO EXISTING LATERAL PIPE
- UNCONNECTED PIPE CROSSING
- NEW POP-UP SPRAY SPRINKLER: STREAM BUBBLER NOZZLE
  PRESSURE: 30 PSI RADIUS: 5 FEET
  FLOW (GPM): Q - 0.10 H - 0.20 F - 0.41
- NEW POP-UP SPRAY SPRINKLER:
  PRESSURE: 30 PSI RADIUS: 8 FEET
  FLOW (GPM): Q - 0.26 H - 0.52 F - 1.05
- NEW POP-UP SPRAY SPRINKLER:
  PRESSURE: 30 PSI RADIUS: 10 FEET
  FLOW (GPM): Q - 0.39 H - 0.79 F - 1.58
- NEW POP-UP SPRAY SPRINKLER:
  PRESSURE: 30 PSI RADIUS: 12 FEET
  FLOW (GPM): Q - 0.65 H - 1.30 F - 2.60
- NEW POP-UP SPRAY SPRINKLER:
  PRESSURE: 30 PSI RADIUS: 15 FEET
  FLOW (GPM): Q - 0.92 H - 1.85 F - 3.70
- NEW MP ROTATOR MP 2000
  PRESSURE: 50 PSI RADIUS: 21 FEET
  FLOW (GPM): Q - 0.44 H - 0.83 F -1.64
- NEW MP ROTATOR MP 3000
  PRESSURE: 50 PSI RADIUS: 30 FEET
  FLOW (GPM): Q - 0.96 H - 2.04 F - 4.07

1-2 — INDICATES CONTROLLER AND CONTROLLER STATION NUMBER
107 — INDICATES LATERAL DISCHARGE IN GPM
2" — INDICATES REMOTE CONTROL VALVE SIZE IN INCHES

20' 0' 10' 20' 40'
1" = 20'
SCALE MUST MEASURE 1 INCH OR DRAWING IS NOT TO SCALE.

100% CONSTRUCTION DOCUMENTS

Revisions	Date

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NATIONAL CEMETERY ADMINISTRATION

Drawing Title: IRRIGATION PLAN	Project Title: FORT SNELLING NATIONAL CEMETERY MEMORIAL MARKER WALL		Date: 3-15-2011
			Project No.: -
Approved: Director, Office of Construction Management	Building Number	Checked: JDL / Drawn: CAM	DRAWING NO.: I-3
Approved: Director, Project Management Service	Location: 7601 34th AVENUE, SOUTH MINNEAPOLIS, MINNESOTA		Dwg. 17 Of 20