

- 1) Thread all 4 screws in bollard cap enough to securely rest cap on top of pipe. Heads of screws need to extend past outer edge of pipe.
- 2) Rotate bollard cap on top of pipe to desired position.
- 3) Draw vertical line down pipe side from each center of the 4 screws.
- 4) Remove bollard cap.
- 5) Place a mark 2 inches from the top of the pipe on each of the 4 vertical lines.
- 6) Drill a  $\frac{3}{8}$ " -  $\frac{13}{32}$ " (0.375" - 0.406") hole where each mark crosses each vertical line.

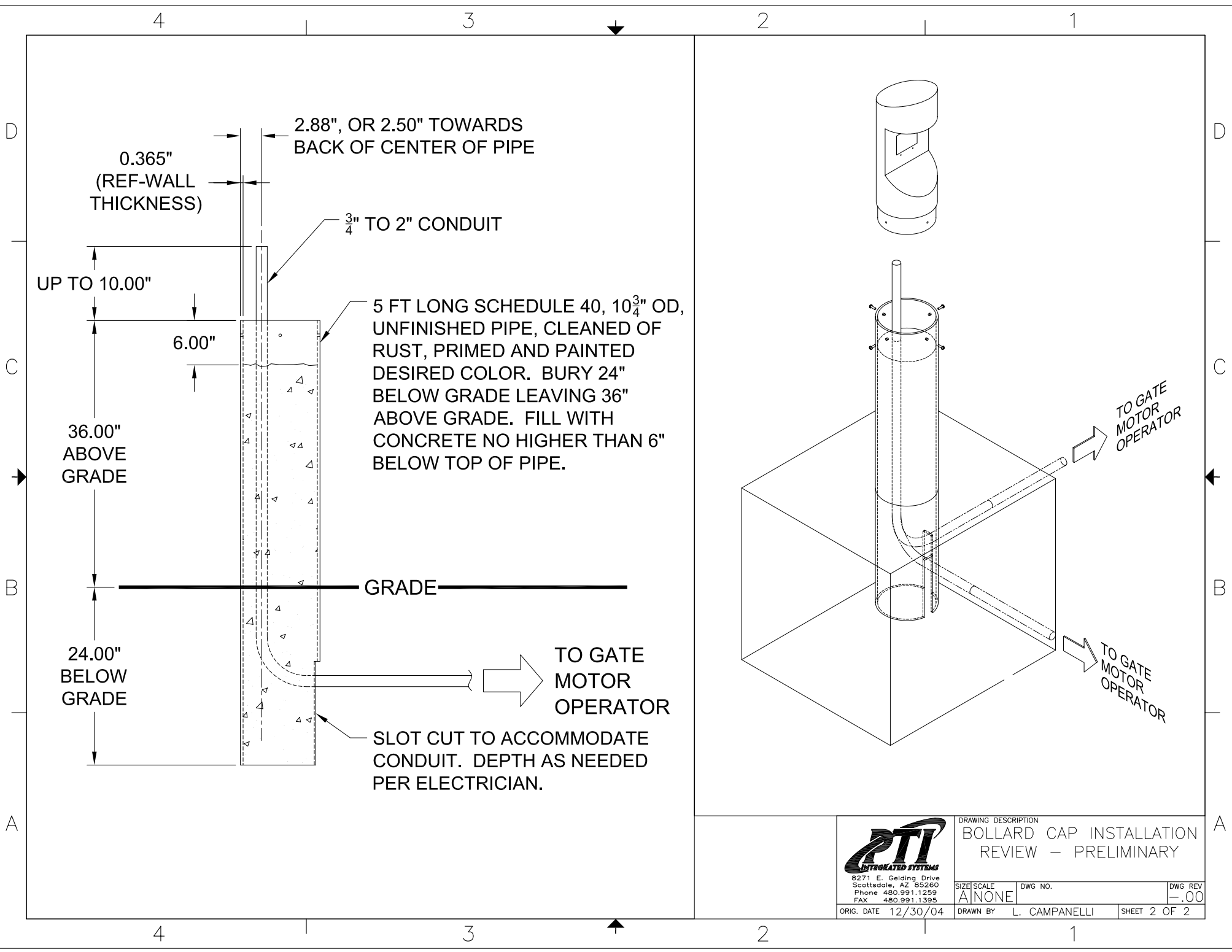


8271 E. Gelding Drive  
 Scottsdale, AZ 85260  
 Phone 480.991.1259  
 FAX 480.991.1395

DRAWING DESCRIPTION  
**BOLLARD CAP INSTALLATION**  
 REVIEW - PRELIMINARY

SIZE	SCALE	DWG NO.	DWG REV
A	NONE		- .00

ORIG. DATE	12/30/04	DRAWN BY	L. CAMPANELLI	SHEET	1 OF 2
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0.365"  
(REF-WALL THICKNESS)

2.88", OR 2.50" TOWARDS BACK OF CENTER OF PIPE

3/4" TO 2" CONDUIT

UP TO 10.00"

6.00"

36.00"  
ABOVE GRADE

5 FT LONG SCHEDULE 40, 10<sup>3</sup>/<sub>4</sub>" OD, UNFINISHED PIPE, CLEANED OF RUST, PRIMED AND PAINTED DESIRED COLOR. BURY 24" BELOW GRADE LEAVING 36" ABOVE GRADE. FILL WITH CONCRETE NO HIGHER THAN 6" BELOW TOP OF PIPE.

GRADE

24.00"  
BELOW GRADE

TO GATE MOTOR OPERATOR

SLOT CUT TO ACCOMMODATE CONDUIT. DEPTH AS NEEDED PER ELECTRICIAN.



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