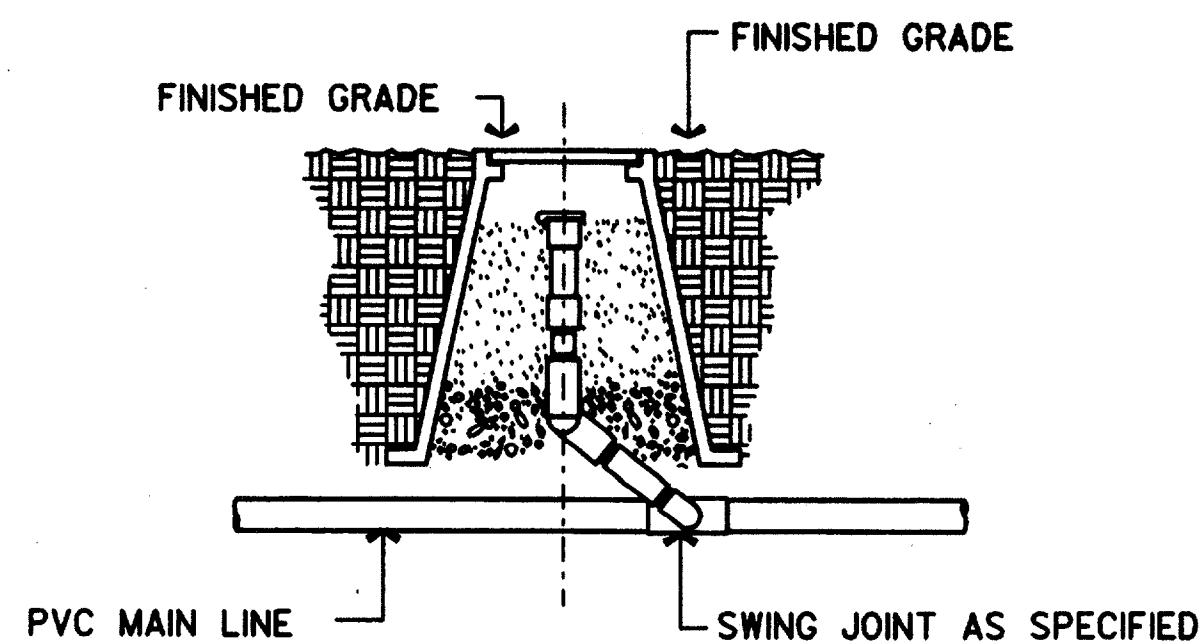


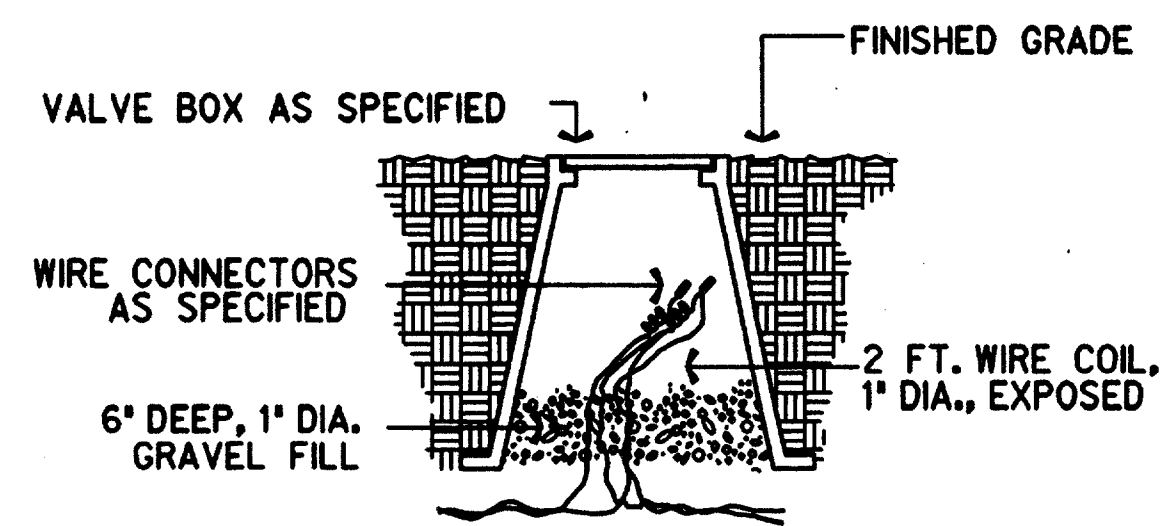
TYPICAL DOUBLE CHECK VALVE ASSEMBLY

NOT TO SCALE



TYPICAL QUICK COUPLING VALVE

NOT TO SCALE

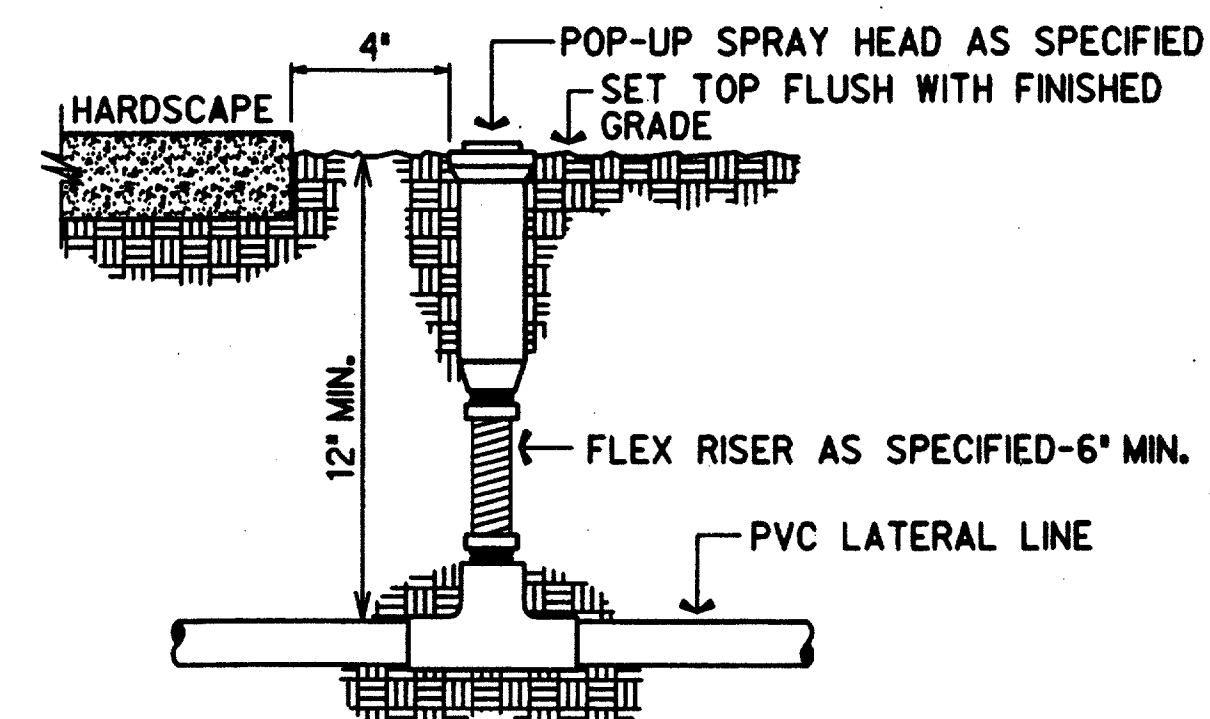


TYPICAL WIRE SPLICE DETAIL

NOT TO SCALE

IRRIGATION LEGEND

- ROTARY SPRINKLER HEAD (NOZZLE DESIGNATION)
- POP UP SPRAY HEAD
- QUICK COUPLER VALVE
- MAIN PIPES
- ELECTRONIC REMOTE CONTROL VALVE
- CONTROLLER - INSTALLATION IN TRANSIT CENTER BUILDING TO BE COORDINATED WITH ON SITE ELECTRICAL CONTRACTOR.
- ZONE DESIGNATION
- VALVE SIZE
- APPROX. GALLONS PER MINUTE



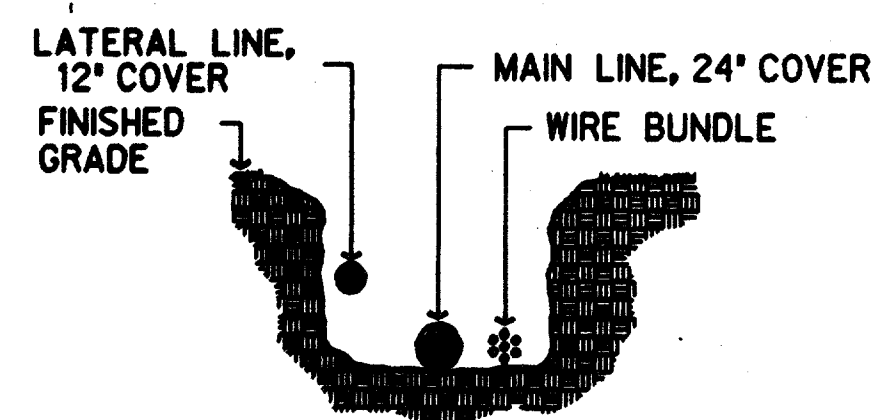
TYPICAL POP-UP HEAD

NOT TO SCALE

PVC PIPE SIZE	SOLVENT WELD SCH. 40 FITTING	BELL AND GASKET FITTING	SOCKETED PIPE
1/2"	2"	--	2"
3/4"	2"	--	2"
1"	2 1/2"	--	2 1/2"
1 1/4"	3"	--	3"
1 1/2"	3"	3"	3"
2"	4"	4"	4"
2 1/2"	6"	6"	4"
3"	6"	6"	6"
4"	6"	8"	6"

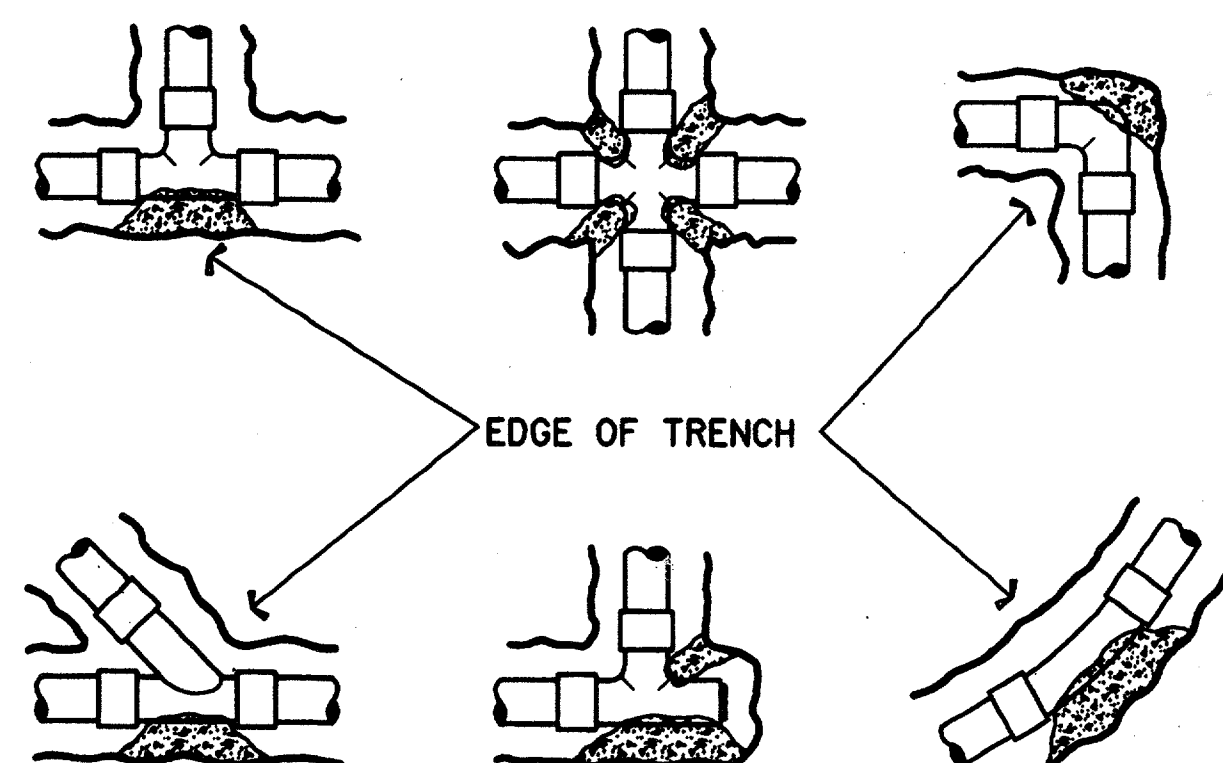
ELECTRICAL WIRING TO BE INSTALLED IN SEPARATE 2 1/2" PIPE

SLEEVE SCHEDULE



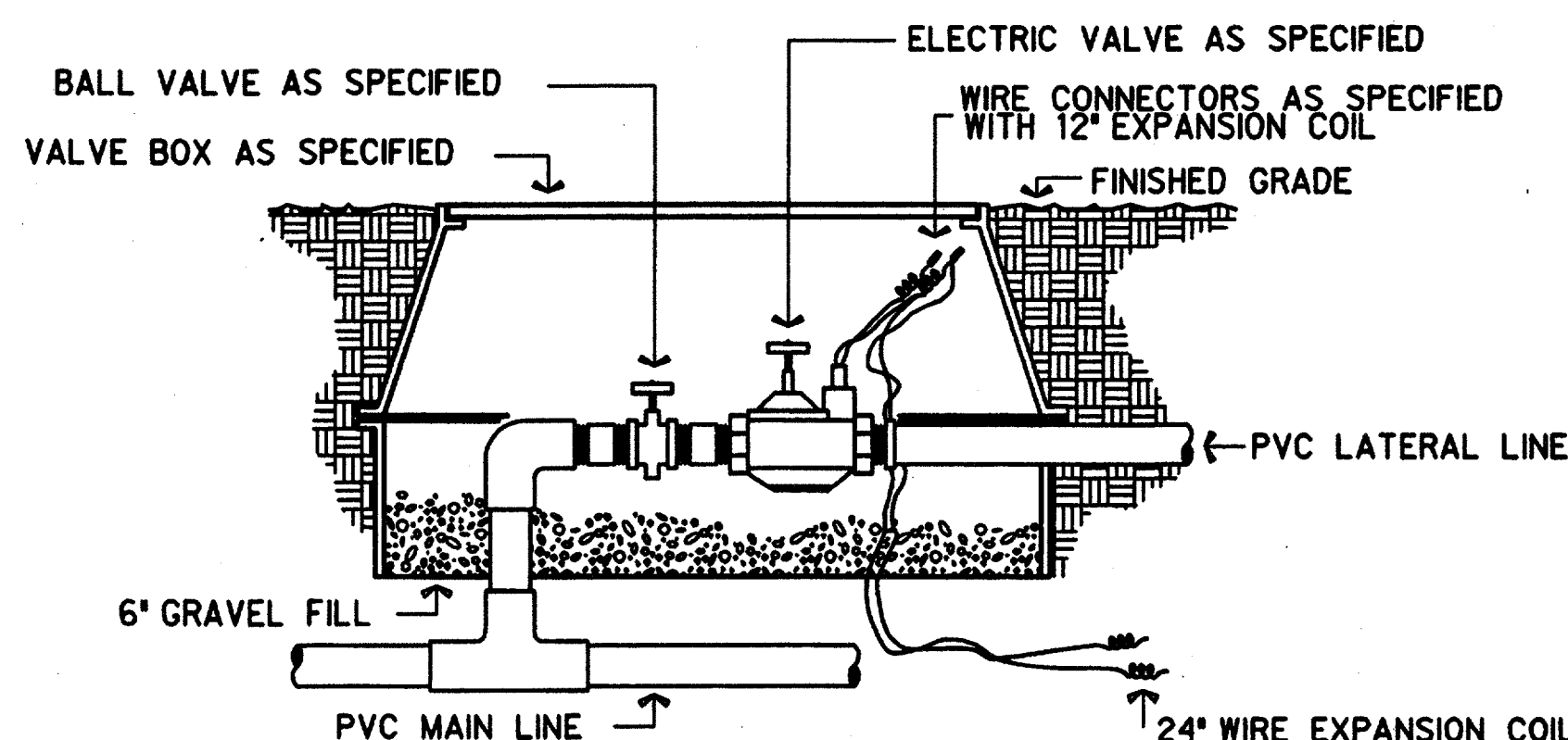
TYPICAL TRENCH DETAIL

NOT TO SCALE



TYPICAL THRUST BLOCK DETAIL

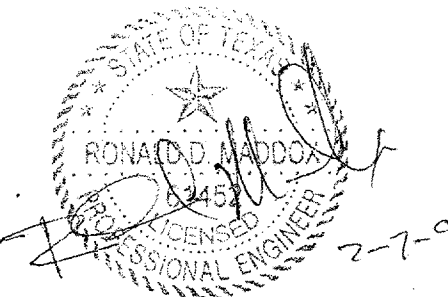
NOT TO SCALE



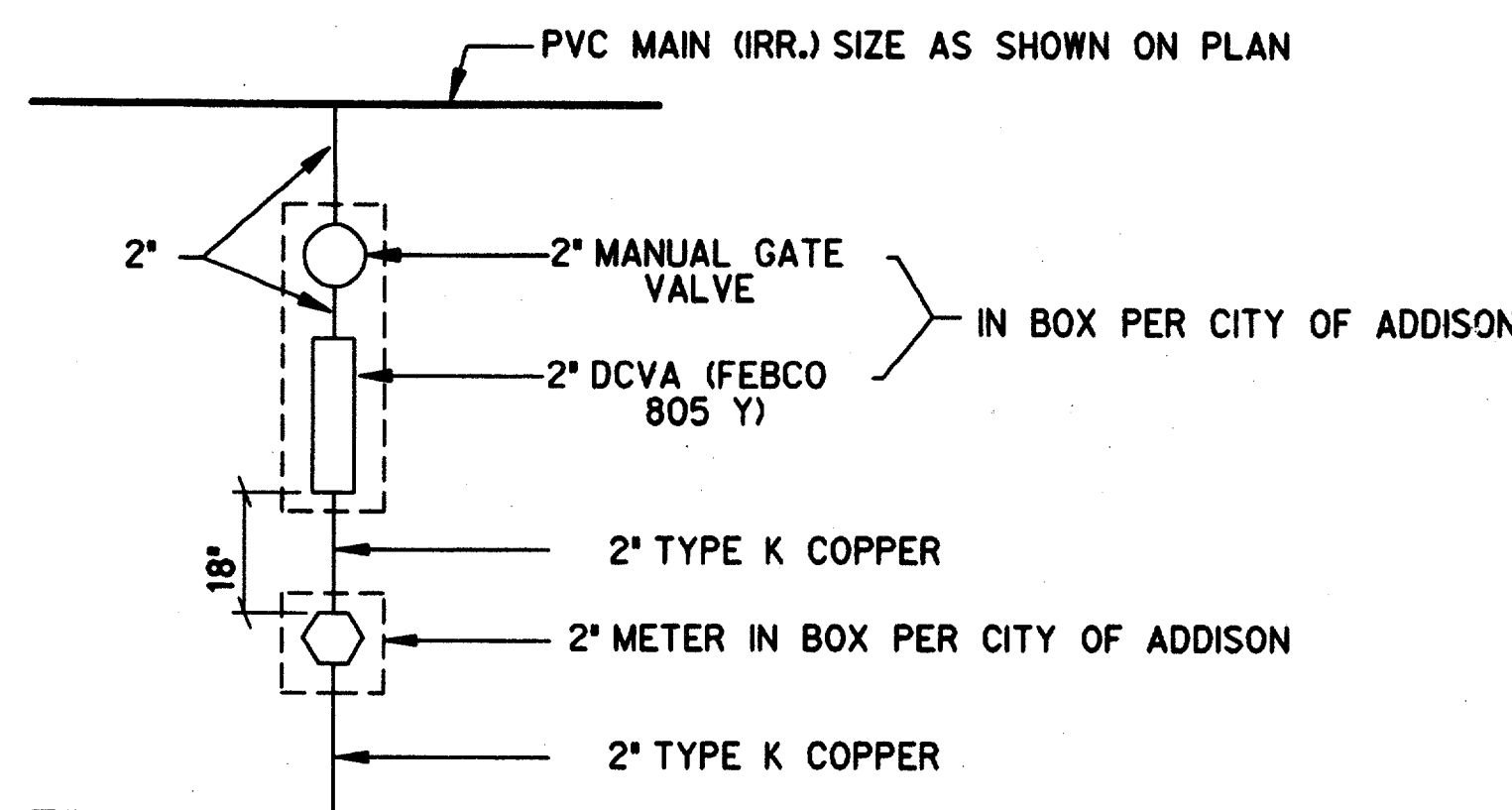
TYPICAL ELECTRIC VALVE DETAIL

NOT TO SCALE

Record (As-built) Certification
 "Having observed this installation, we certify that it complies with the requirements of the contract on all details, except as otherwise indicated."
 Contract Number: 2700136
 Company Name: HALFF ASSOCIATES, INC.
 Officer of Firm Signature: [Signature]
 Date: [Date]
 Officer of Firm Name (Typed): TOM KADER, PRESIDENT
 Title of Officer (Typed): PRESIDENT
 Seal of Professional Engineer or Construction Contractor including signature and date. The seal, which is a seal of a professional engineer or construction contractor, shall be placed below.

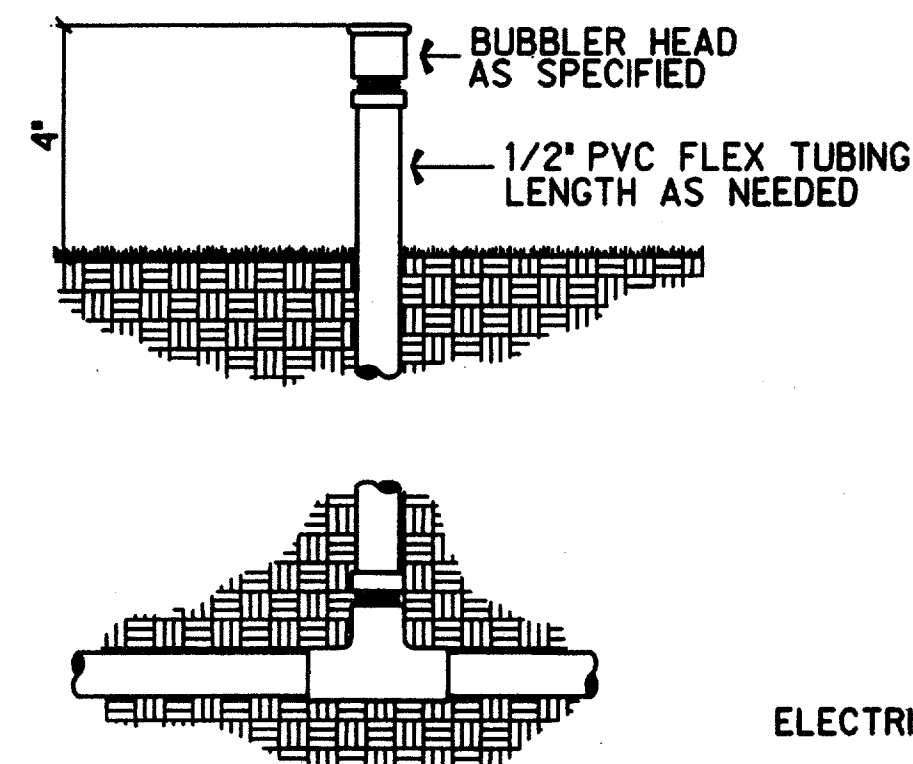


THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY E. BRIAN BRISTOW, L.I. 4639 ON AUG. 13, 1997. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE LICENSED IRRIGATOR IS AN OFFENSE UNDER THE TEXAS LICENSED IRRIGATORS ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF HALFF ASSOCIATES, INC., 8616 NORTHWEST PLAZA DRIVE, DALLAS TEXAS 75225



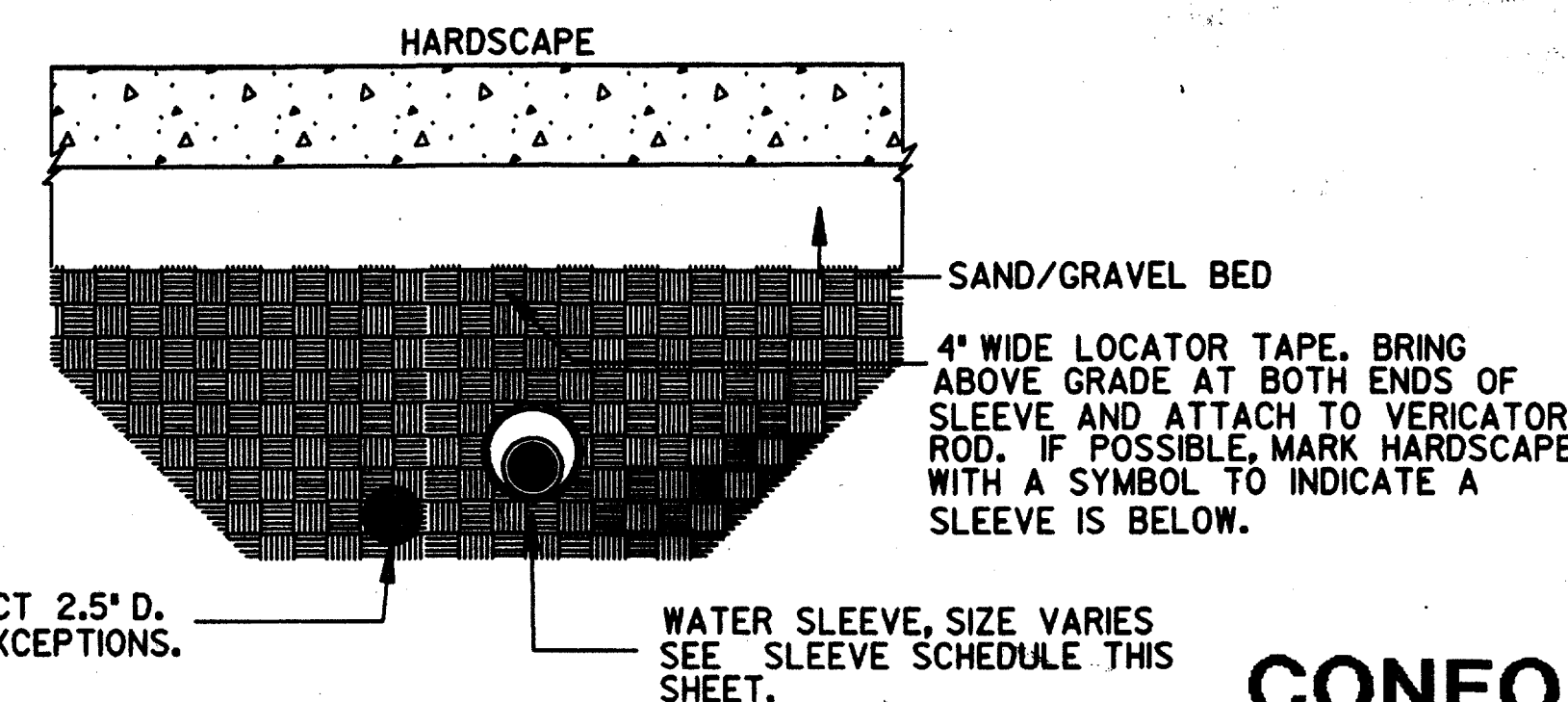
IRRIGATION SERVICE CONNECTION

(TYPICAL SCHEMATIC)



TYPICAL BUBBLER DETAIL

NOT TO SCALE



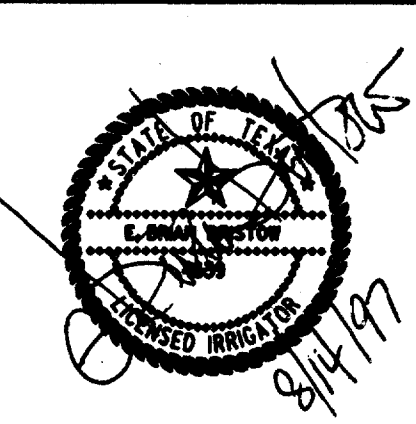
IRRIGATION SLEEVE

(TYPICAL)

CONFORMED

HALFF ASSOCIATES, INC.
 IRRIGATION CONSULTANTS
 CONTRACT SHEET No. 51 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



SWA Group
 2211 North Lamar
 Dallas, Texas, 75202
 214-954-0016
 Landscape Architecture
 Site Planning
 Urban Design

WLA
WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 1253 MARKET CENTER BLVD - SUITE 310
 DALLAS, TEXAS 75207
 (214) 746-7777

DART PROJECT

SCALE: AS NOTED
 DRAWN: L. HUGHES
 DESIGNED: E. B. BRISTOW
 CHECKED: E. B. BRISTOW
 IN CHARGE: V. STEVENS
 DATE: 14 AUGUST 97

ADDISON TRANSIT CENTER IRRIGATION DETAILS

CAES CONTRACT C-97000136 DWG No. LC2-0005 REV 0