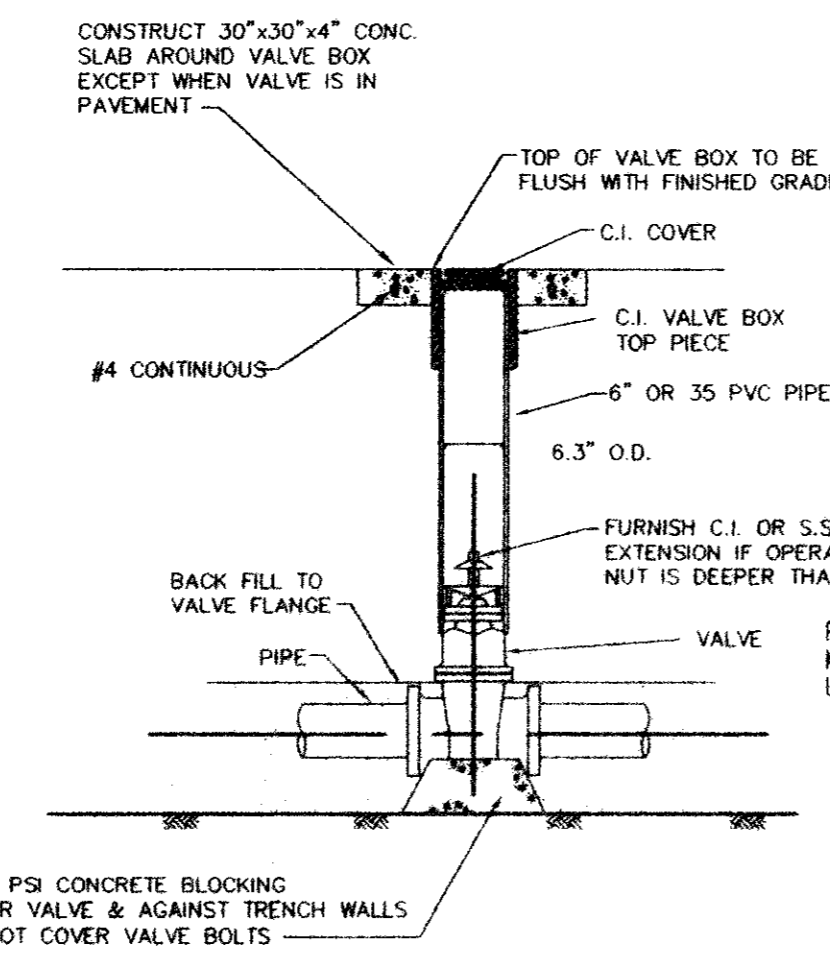
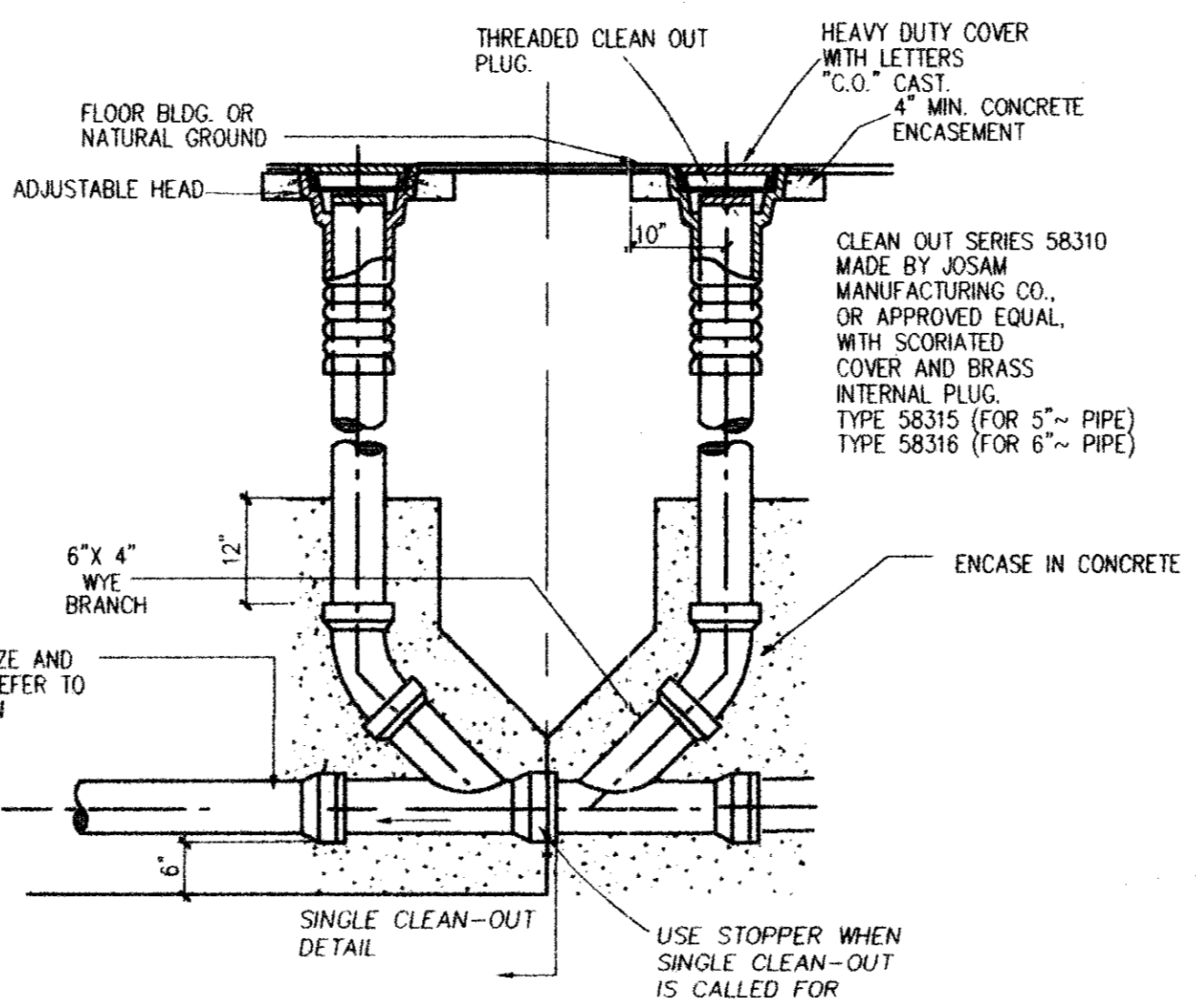


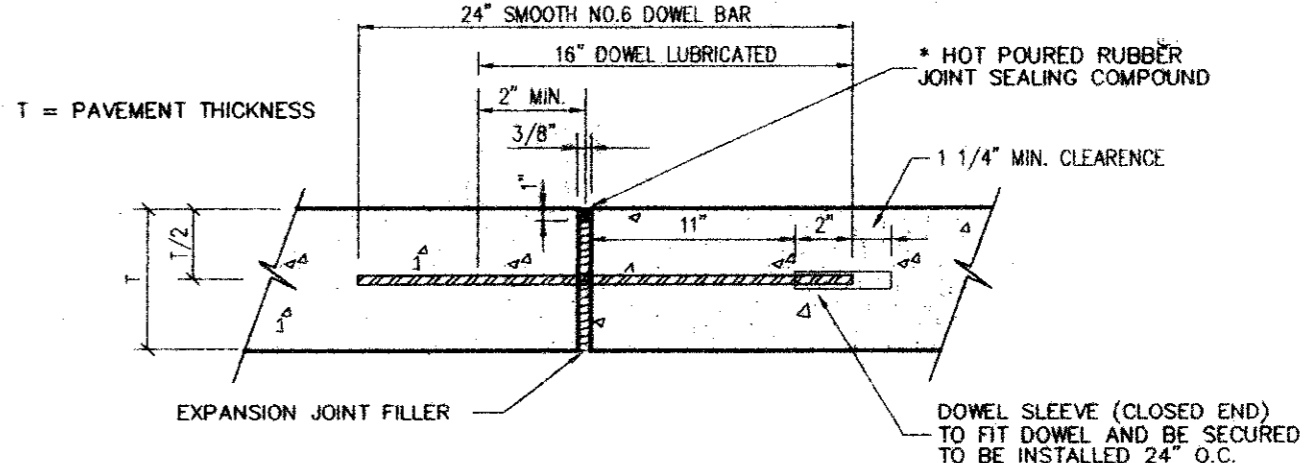
**FIRE HYDRANT ASSEMBLY DETAIL
BLOCKED INSTALLATION**



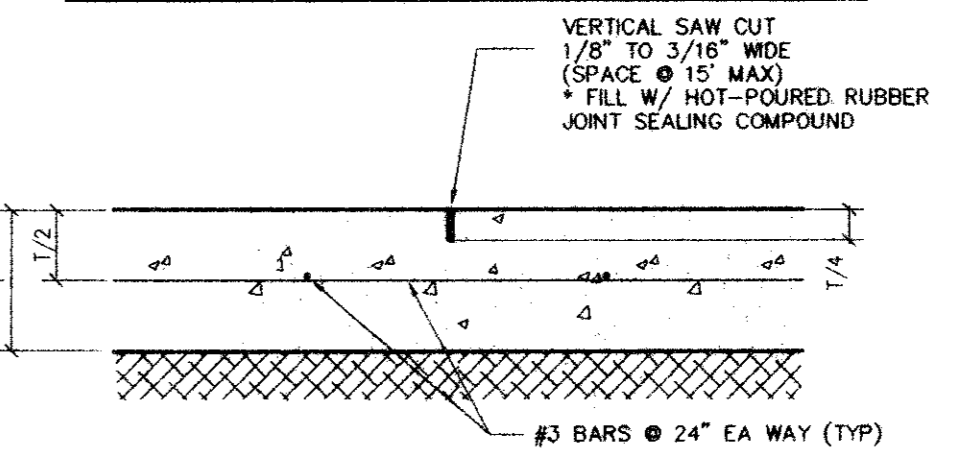
VALVE INSTALLATION DETAIL



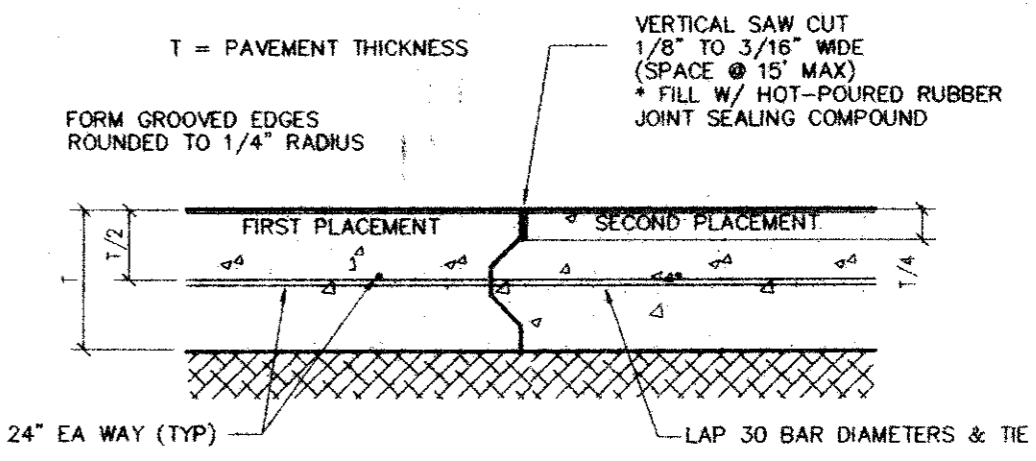
SANITARY SEWER DOUBLE CLEAN-OUT



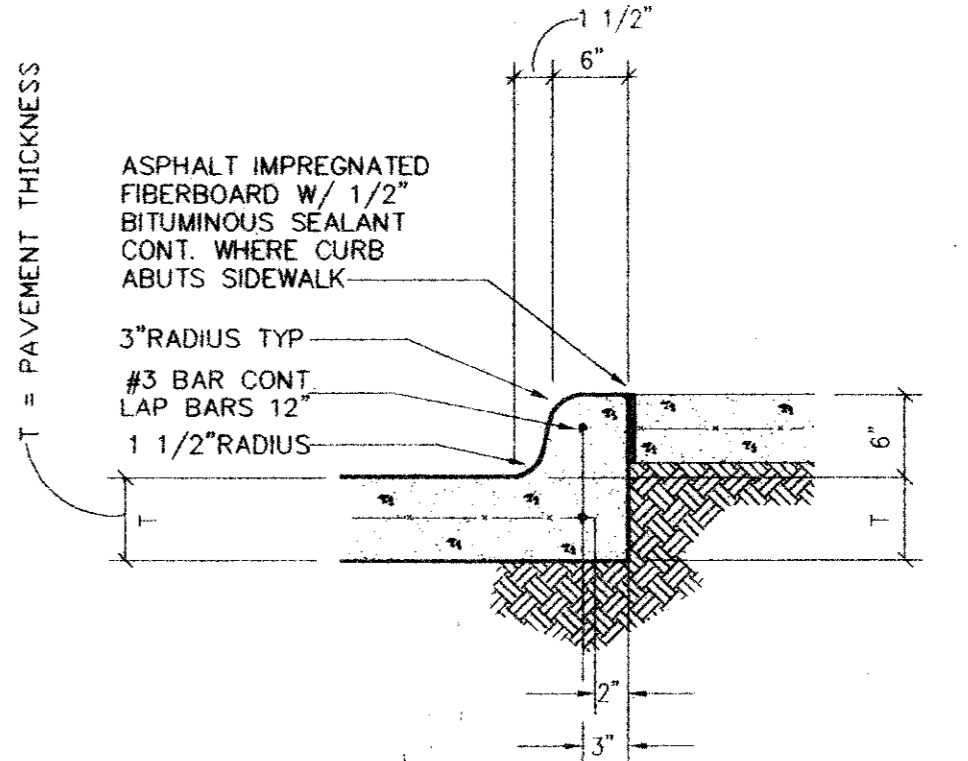
TRANSVERSE EXPANSION JOINT



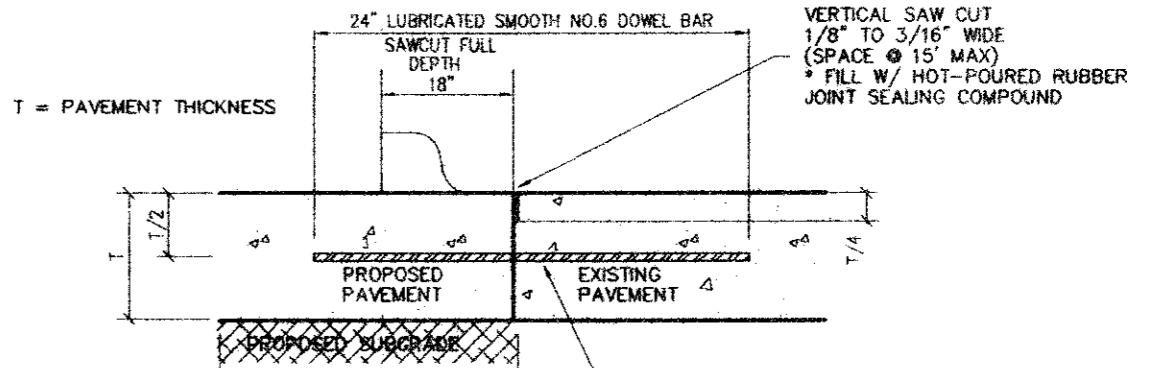
SAWED DUMMY JOINT DETAIL



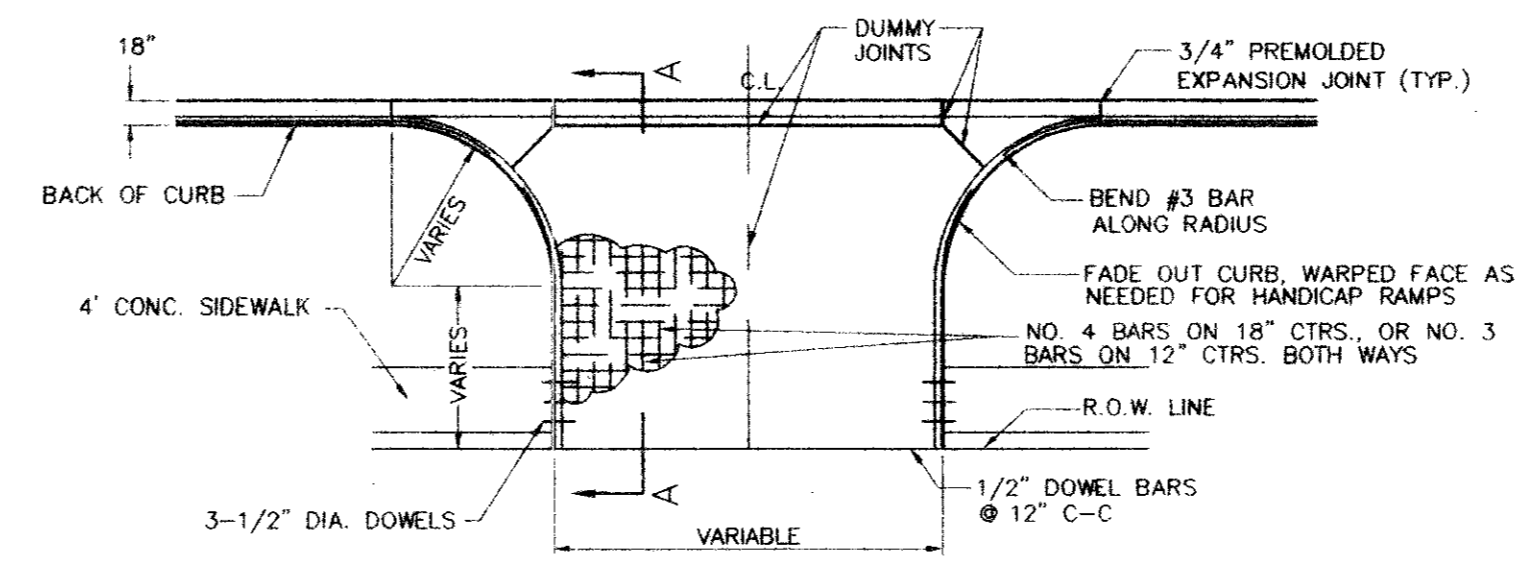
CONSTRUCTION JOINT DETAIL



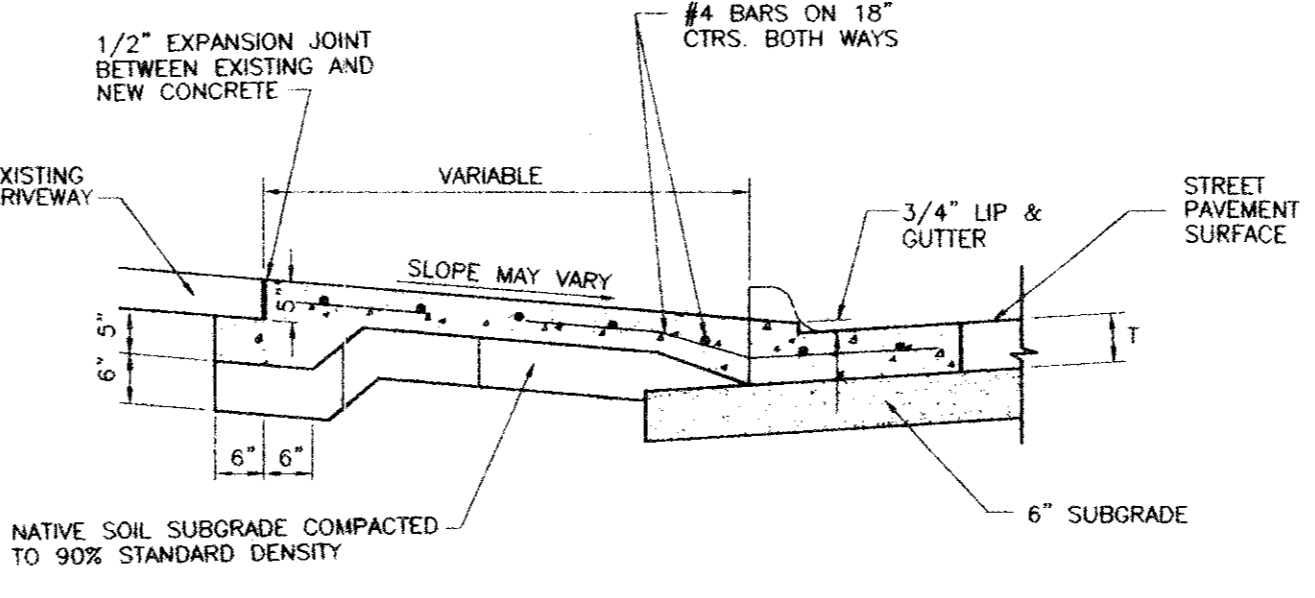
6" MONOLITHIC CONCRETE CURB DETAIL



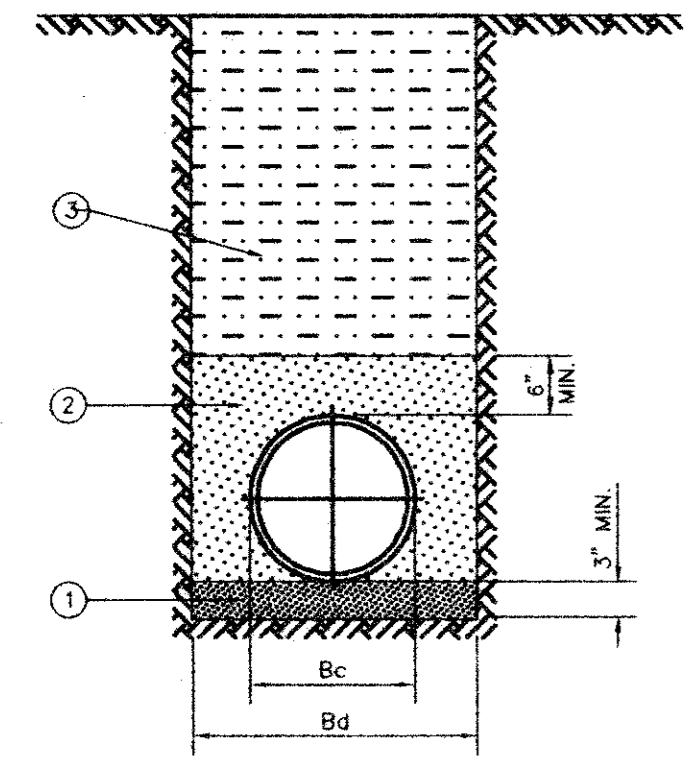
LONGITUDINAL BUTT DETAIL



TYPICAL DRIVE APPROACH

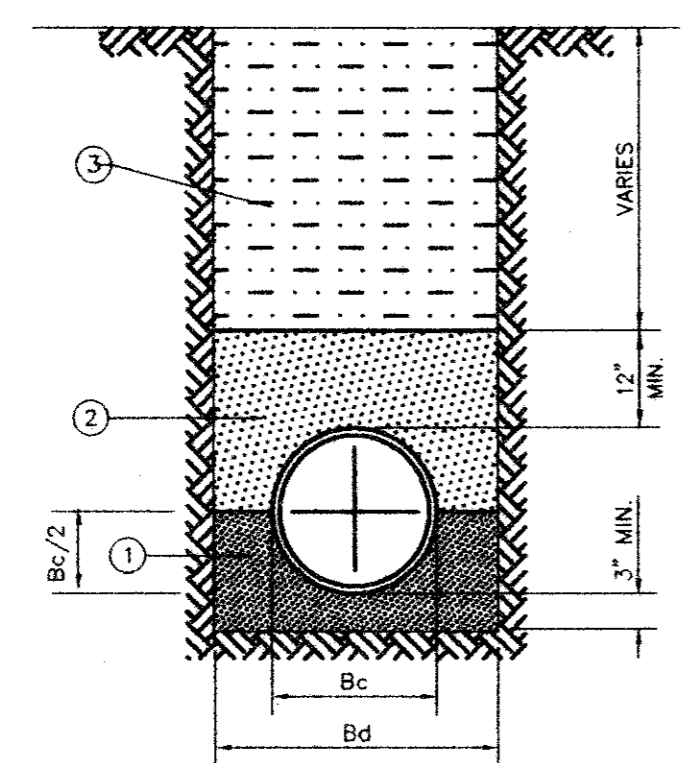


**SECTION A-A
(FOR TYPICAL DRIVE APPROACH)**



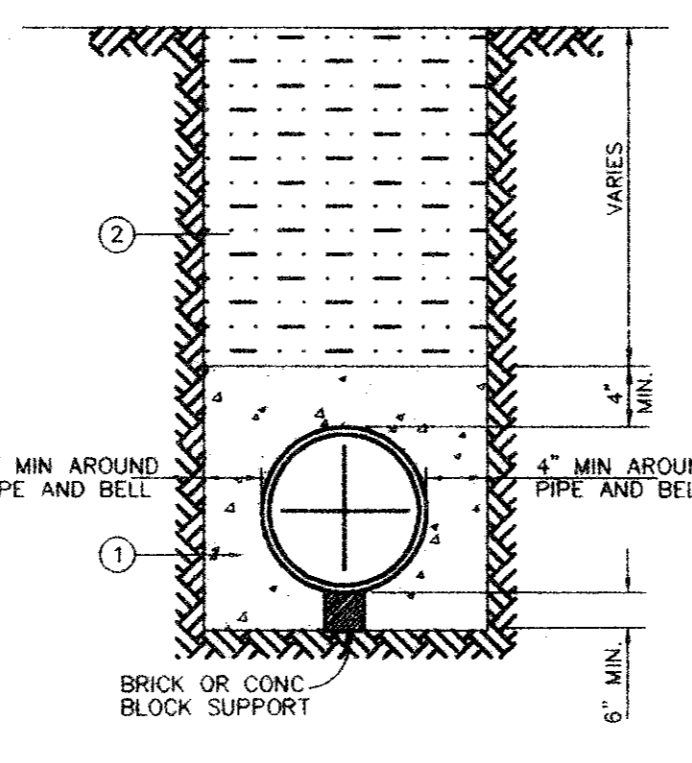
- GRANULAR MATERIAL (SAND) - TOP OF LAYER IS TO BE PLACED TO GRADE TO PROVIDE UNIFORM SUPPORT OF PIPE BARREL. EXCAVATE BELL HOLES. COMPACT TO 95% PROCTOR DENSITY.
- GRANULAR MATERIAL (SAND) - COMPACT TO 90% STANDARD PROCTOR DENSITY EXCEPT UNDER STRUCTURES, ROADWAYS AND PAVEMENT WHERE 95% DENSITY IS REQUIRED.
- SELECT MATERIAL FREE OF ROCKS, CLUMPS OR DEBRIS LARGER THAN 6" IN GREATEST DIMENSION. COMPACT TO 90% STANDARD PROCTOR DENSITY UNDER STRUCTURES, ROADWAYS AND PAVEMENT. USE GRANULAR MATERIAL (SAND) ROADWAYS AND PAVEMENT. COMPACT TO 95% STANDARD PROCTOR DENSITY.

**CLASS "C-2" EMBEDMENT
WATER**



- FINE GRADATION CRUSHED STONE - TOP LAYER IS TO BE PLACED TO GRADE TO PROVIDE UNIFORM SUPPORT OF PIPE BARREL. EXCAVATE BELL HOLES.
- SELECT MATERIAL FREE OF ROCKS, CLUMPS OR DEBRIS LARGER THAN 6" IN GREATEST DIMENSION. COMPACT TO 90% STANDARD PROCTOR DENSITY UNDER STRUCTURES, ROADWAYS AND PAVEMENT. USE GRANULAR MATERIAL (SAND) COMPACTED TO 95% STANDARD PROCTOR DENSITY.
- SELECT MATERIAL FREE OF ROCKS, CLUMPS OR DEBRIS LARGER THAN 6" IN GREATEST DIMENSION. COMPACT TO 90% STANDARD PROCTOR DENSITY UNDER STRUCTURES, ROADWAYS AND PAVEMENT. COMPACT TO 95% STANDARD PROCTOR DENSITY.

**CLASS "B" EMBEDMENT
SANITARY SEWER AND STORM SEWER**

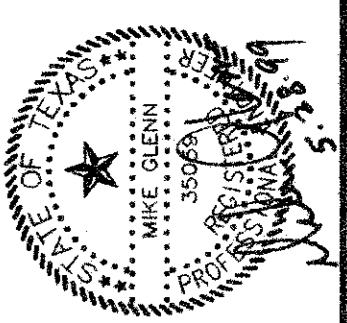
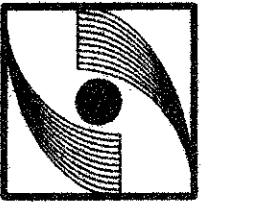


- 3,000 P.S.I. CONCRETE. CONCRETE ENCASEMENT SHALL BEGIN AND END 6 INCHES FROM THE END OF A JOINT
- SELECT MATERIAL FREE OF ROCKS, CLUMPS OR DEBRIS LARGER THAN 6" IN GREATEST DIMENSION. COMPACT TO 90% STANDARD PROCTOR DENSITY. UNDER STRUCTURES, ROADWAYS AND PAVEMENT, COMPACT TO 95% STANDARD PROCTOR DENSITY.

CONCRETE ENCASEMENT DETAIL

**SITE DETAILS
AS SHOWN**

**GLENN
ENGINEERING**



**Kwik
INDUSTRIES, INC.**
PRECAST DESIGN AND CONSTRUCTION THROUGH SERVICE AND SUPPLIES.
4725 NALL ROAD • DALLAS, TEXAS 75244
(214) 428-9761 • FAX (214) 428-0540 • 1-800-442-5566

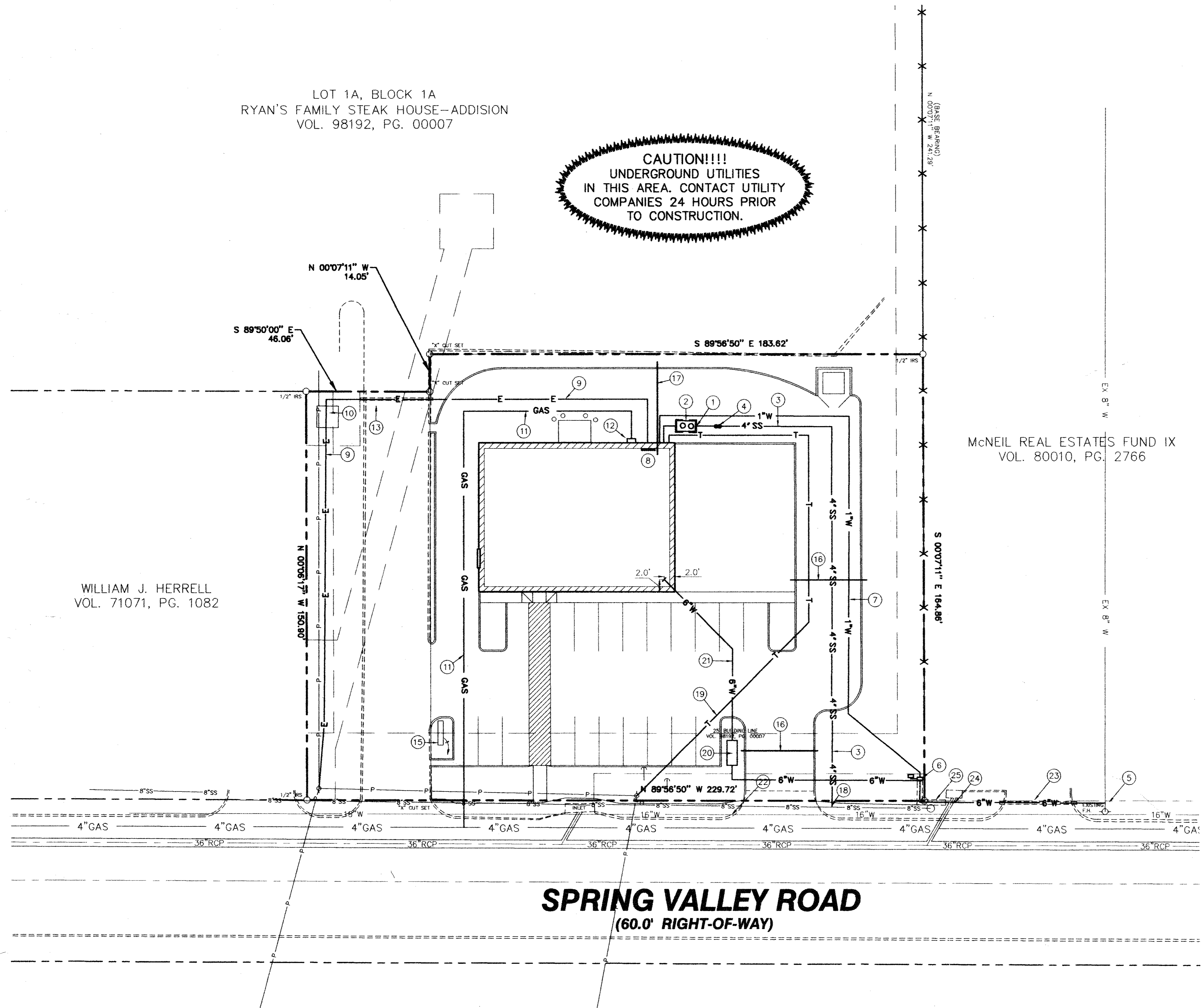
**PROPOSED
\$1.25 DRY CLEANER
LOT 2A, BLOCK 1
SPRING VALLEY/MARSH LANE CENTRE
SPRING VALLEY ROAD AND MARSH LANE
ADDISON, TEXAS**

Revisions:	
Issue Dates:	
Review:	
Permit:	
Constructor:	
Scale:	AS SHOWN
Drawn By:	R. HOWMAN
Checked by:	RAH
Project No.:	99-59040
Sheet:	SP-10

of

LOT 1A, BLOCK 1A
 RYAN'S FAMILY STEAK HOUSE--ADDISON
 VOL. 98192, PG. 00007

CAUTION!!!!
 UNDERGROUND UTILITIES
 IN THIS AREA. CONTACT UTILITY
 COMPANIES 24 HOURS PRIOR
 TO CONSTRUCTION.



McNEIL REAL ESTATES FUND IX
 VOL. 80010, PG. 2766

WILLIAM J. HERRELL
 VOL. 71071, PG. 1082

SPRING VALLEY ROAD
 (60.0' RIGHT-OF-WAY)

UTILITY NOTES

1. PROVIDE GRANULAR FILL FROM BOTTOM OF GREASE TRAP TO PIPE BED.
2. INSTALL TWO COMPARTMENT LINT TRAP PER THE TOWN OF ADDISON STANDARDS.
3. INSTALL 4" PVC SANITARY SEWER LATERAL FROM EXIST. MANHOLE TO SAND TRAP.
4. DOUBLE CLEAN OUT WITH TRAFFIC LIDS LOCATED AS SHOWN.
5. GENERAL CONTRACTOR TO INSTALL 6" TAP PER TOWN OF ADDISON REQUIREMENTS.
6. INSTALL 1" WATER METER FOR DOMESTIC, 1" WATER METER FOR IRRIGATION, AND BACKFLOW VALVE PER REQUIREMENTS OF THE TOWN OF ADDISON.
7. RUN 1" WATER SERVICE LINE FROM METER TO BUILDING.
8. ELECTRICAL PANELS.
9. INSTALL UNDERGROUND ELECTRICAL SERVICE PER REQUIREMENTS OF ELECTRIC COMPANY.
10. TRANSFORMER AND TRANSFORMER PAD BY T.U. ELECTRIC, CONTACT T.U. ELECTRIC PRIOR TO CONSTRUCTION FOR LOCATION OF RISER.
11. SERVICE TO METER BY LONE STAR GAS COMPANY. CONTACT LONE STAR GAS 48 HOURS PRIOR TO CONSTRUCTION AND FOR LINE LOCATIONS CONTACT DIG TEST @ 1-800-344-8377.
12. GAS METER -- BY LONE STAR GAS COMPANY. CONTACT COMM. SALES FOR METER @ (817) 285-0930.
13. GENERAL CONTRACTOR TO INSTALL 4" PVC IN 27.0' L.F. BORE UNDER ACCESS DRIVE FOR T.U. ELECTRIC SERVICE.
14. CONTRACTOR TO PROVIDE ELECTRICAL SERVICE TO FOR VACUUMS. SEE ARCHITECTURAL PLANS FOR SIZE AND LOCATIONS.
15. CONTRACTOR TO PROVIDE ELECTRIC FOR SIGN. SEE ARCHITECTURAL PLANS FOR SIZE AND LOCATION.
16. 4" P.V.C. SLEEVES INSTALLED BY GENERAL CONTRACTOR.
17. GENERAL CONTRACTOR TO INSTALL 2" P.V.C. SLEEVE FOR IRRIGATION TIME CLOCK, STUB UP IN MECHANICAL ROOM.
18. GENERAL CONTRACTOR TO INSTALL 4" TAPPING SLEEVE PER THE CITY OF ADDISON REQUIREMENTS.
19. RUN UNDERGROUND TELEPHONE LINE PER THE REQUIREMENTS OF SOUTHWESTERN BELL TELEPHONE COMPANY OR LOCAL UTILITY COMPANY.
20. GENERAL CONTRACTOR TO INSTALL 6" DOUBLE CHECK VALVE PER CITY OF ADDISON REQUIREMENTS.
21. GENERAL CONTRACTOR TO INSTALL 6" PVC FIRE LINE PER CITY OF ADDISON REQUIREMENTS. STUB OUT 12 FEET INSIDE BUILDING.
22. GENERAL CONTRACTOR TO INSTALL 6" TAPPING SLEEVE AND VALVE PER THE CITY OF ADDISON REQUIREMENTS.
23. GENERAL CONTRACTOR TO INSTALL 6" WATER LINE IN 29.0' L.F. BORE UNDER ACCESS DRIVE FOR WATER SERVICE.
24. GENERAL CONTRACTOR TO INSTALL 2-45 BENDS UNDER EXISTING STORM SEWER.
25. GENERAL CONTRACTOR TO INSTALL 1" WATER LINE IN 18.0' L.F. CONCRETE ENCASUREMENT. SEE DETAIL SHEET SP-10.

SANITARY SEWER NOTES

CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AND OTHERS WHO MAY HAVE BURIED EQUIPMENT OR PIPELINES IN THE VICINITY OF CONSTRUCTION PRIOR TO COMMENCING CONSTRUCTION. DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF TIE-IN TO EXISTING SEWER SYSTEM PRIOR TO CONSTRUCTION OF LINES.

RELATED APPURTENANCES SHALL CONFORM TO THE MATERIAL AND UNLESS OTHERWISE REQUIRED, ALL SANITARY SEWER PIPE, MANHOLES, AND CONSTRUCTION SPECIFICATIONS AS SET FORTH IN THE TOWN OF ADDISON STANDARD SPECIFICATIONS.

PARTICULAR ATTENTION SHALL BE PAID TO THE INSTALLATION, EMBEDMENT, AND BACK FILL OF SEWER PIPE.

SEWER PIPE SHALL BE 4" PVC SDR 35.

CONTRACTOR SHALL MEET ALL O.S.H.A. REQUIREMENTS REGARDING TRENCH SAFETY IN THE CONSTRUCTION OF THIS SEWER MAIN.

WATER NOTES

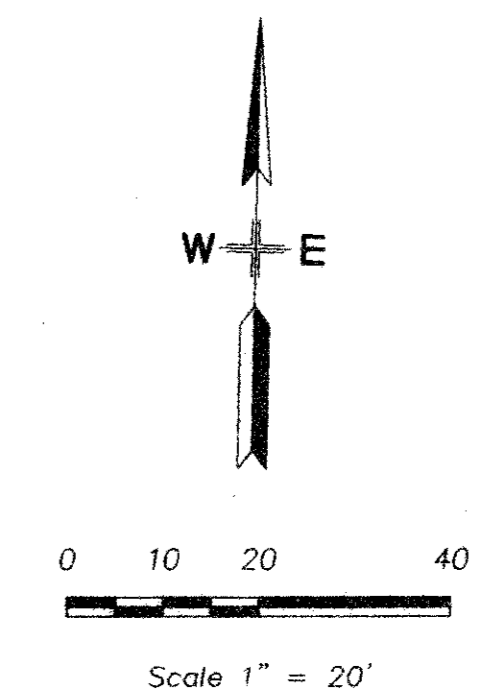
WATER DISTRIBUTION SYSTEM MATERIAL AND CONSTRUCTION SHALL CONFORM TO THE TOWN OF ADDISON STANDARDS.

ALL LINES SHALL BE BURIED A MINIMUM DEPTH OF 42" BELOW TOP OF ADJACENT CURB OR AS DIRECTED BY THE ENGINEER.

WATER PIPE SHALL BE PVC GLASS 150 (C-900). CONTRACTOR SHALL EXTEND SERVICE AS SHOWN, PROVIDE CURB STOPS AS REQUIRED AND METER BOX SET IN PLACE.

CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO COMMENCING CONSTRUCTION. DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.

UTILITY NOTE
 UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE MAPS AND RECORDS AND THEREFORE THEIR LOCATIONS ARE APPROXIMATE ONLY. ELEVATIONS SHOWN ARE BASED ON FIELD MEASUREMENTS. THERE MAY BE OTHER UTILITIES, THE EXISTENCE OF WHICH ARE NOT KNOWN TO THE UNDERSIGNED. SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES MUST BE VERIFIED PRIOR TO ANY CONSTRUCTION.



UTILITY PLAN
 Scale 1"=20'

GLENN ENGINEERING
 972-777-5191
 100 DECKER COURT, SUITE 250
 IRVING, TEXAS 75062

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 SPRING VALLEY ROAD AND MARSH LANE
 ADDISON, TEXAS

Revisions:

Issue Dates:

Review:

Permit:

Construction:

Scale: 1" = 20'

Drawn By: RHOWMAN

Checked by: RAH

Project No. 99-590.40

Sheet SP-2
 of

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