

CIVIL PLANS FOR CONSTRUCTION OF
PAVING, STREETScape AND UTILITY IMPROVEMENTS

ADDISON CIRCLE

PUBLIC INFRASTRUCTURE

PHASE II



T O W N O F
A D D I S O N

OWNER:

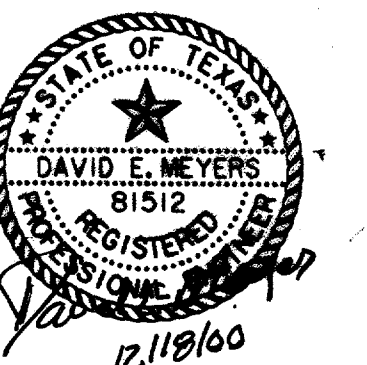
TOWN OF ADDISON
DEPARTMENT OF PUBLIC WORKS
16801 WESTGROVE
P.O. BOX 144
ADDISON, TEXAS 75001
(972) 450-2871 FAX (972) 450-2837

ENGINEER & LANDSCAPE ARCHITECT:

HUITT-ZOLLARS, INC.
3131 MCKINNEY AVE., SUITE 600
DALLAS, TEXAS 75204
(214) 871-3311 FAX (214) 871-0757
DAVID E. MEYERS, P.E.
TX. REG. NO. 81512
KAREN W. KOERTH, L.A.
TX. REG. NO. 1594

**RECORD
DRAWING**

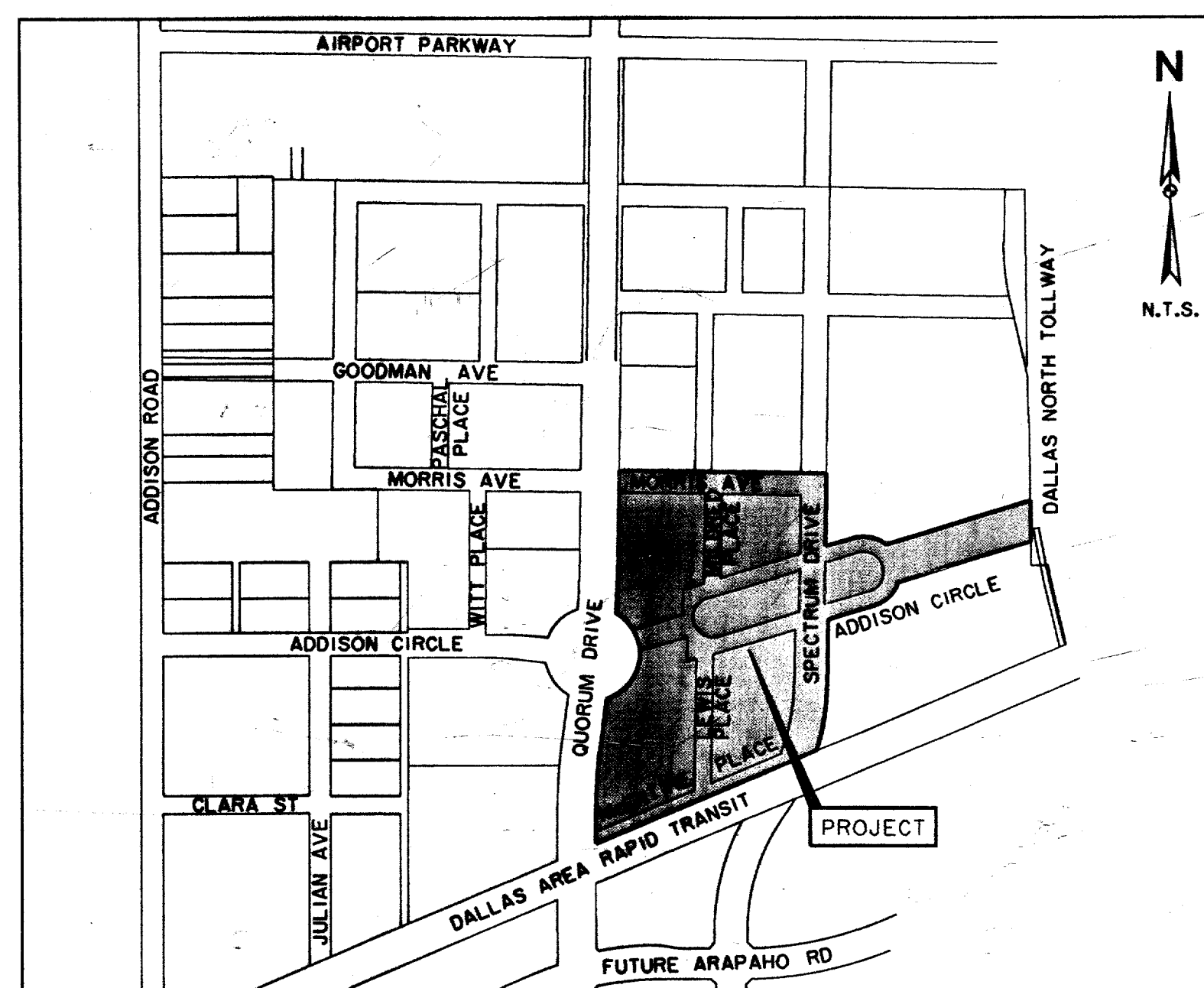
THE SEAL APPEARING ON THIS
DOCUMENT WAS AUTHORIZED BY
DAVID E. MEYERS, P.E. 81512
ON OCTOBER 3, 1997.



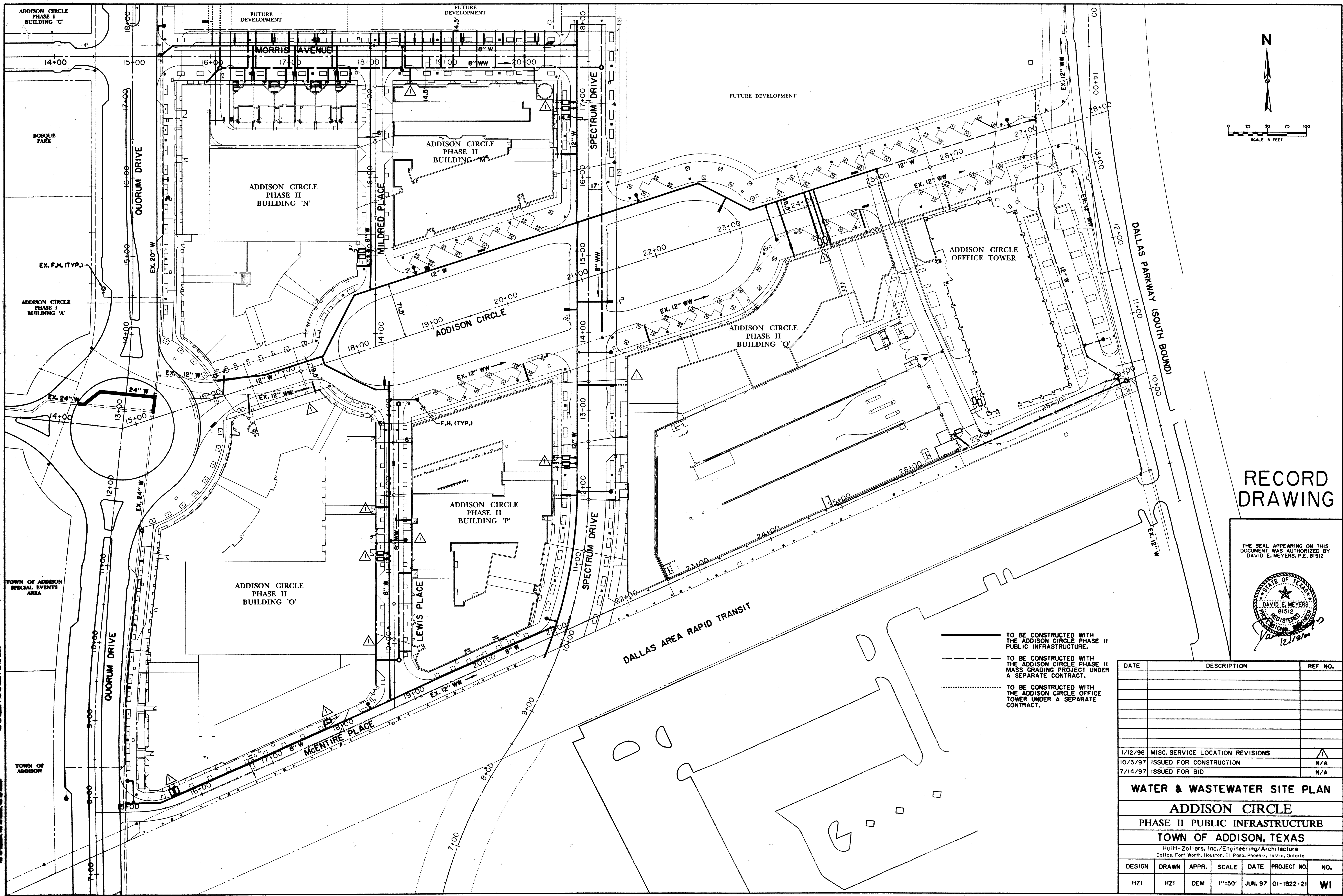
RECORD DRAWINGS 11/17/00

THIS SET OF DRAWINGS HAS BEEN MODIFIED FROM THE ORIGINAL DESIGN DRAWINGS TO REFLECT THE FIELD CHANGES THAT OCCURRED DURING CONSTRUCTION WHICH WERE DOCUMENTED AND FINISHED TO THE ENGINEER BY THE CONTRACTOR. BASED ON THIS INFORMATION AND THE ENGINEER'S OBSERVATION OF CERTAIN CONSTRUCTION ACTIVITIES, TO THE BEST OF THE ENGINEER'S KNOWLEDGE AND BELIEF, THE PROJECT IS CONSTRUCTED IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS AND WILL FUNCTION AS DESIGNED.

SHEET NO.	INDEX OF DRAWINGS
	COVER SHEET
HC1	HORIZONTAL CONTROL PLAN
P1-P2	PAVING TYPICAL SECTIONS
P3-P4	RECOMMENDED UTILITY LOCATIONS
P5	SIGNAGE AND STRIPING PLAN
P6	TRAFFIC SIGN DETAILS
P7	PAVING SITE PLAN
P8-P20	PAVING PLANS & PROFILES
P21-P23	PAVING DETAILS
P24	SLEEVING PLAN
SP1-SP8	SURFACE PATTERNING PLANS
SP9	SURFACE PATTERNING DETAILS
ST1	STREETScape SITE PLAN
ST2-ST9	STREETScape PLANS
ST10-ST14	STREETScape, LIGHT & SUBDRAIN DETAILS
SW1-SW2	DRAINAGE AREA MAP
SW3-SW9	STORM WATER CALCULATIONS
SW10	STORM WATER SITE PLAN
SW11-SW25	STORM WATER PLANS & PROFILES
SW26-SW28	STORM WATER DETAILS
W1	WATER & WASTEWATER SITE MAP
W2-W13	WATER PLANS & PROFILES
W14-W15	WATER DETAILS
WW1-WW5	WASTEWATER PLANS & PROFILES
WW6-WW7	WASTEWATER DETAILS
PC1	POLLUTION CONTROL PLAN
PC2	POLLUTION CONTROL DETAILS
E1	ELECTRICAL DUCT BANK SITE PLAN
E2-E11	ELECTRICAL DUCT BANK PLANS & PROFILES
E12-E20	ELECTRICAL DUCT BANK DETAILS
E21-E23	TREE LIGHT & STREET LIGHT POWER PLANS & DETAILS
PF1-PF8	PLANTING & FURNITURE PLANS
PF9	PLANTING DETAILS
IR1-IR8	IRRIGATION PLANS
IR9	IRRIGATION DETAILS



LOCATION MAP



**RECORD
DRAWING**

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512

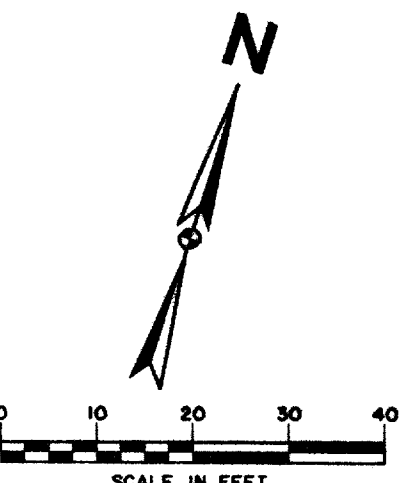
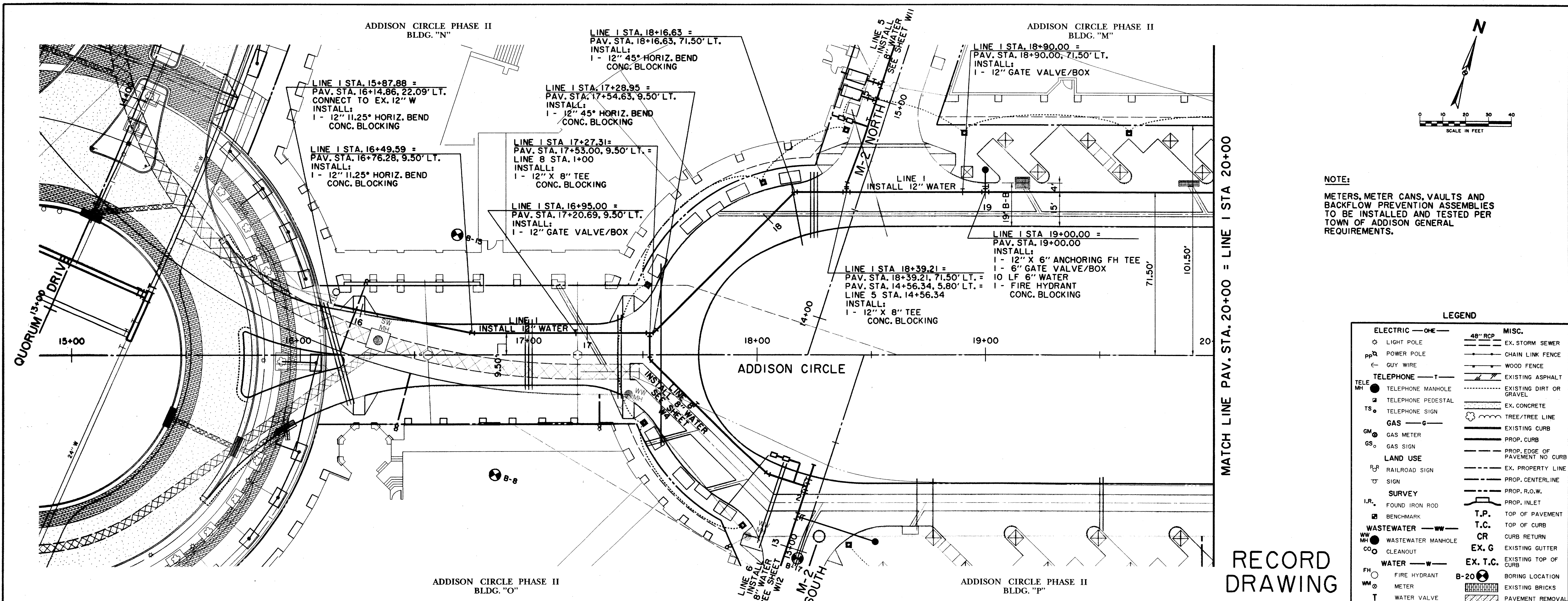


- TO BE CONSTRUCTED WITH THE ADDISON CIRCLE PHASE II PUBLIC INFRASTRUCTURE.
- - - TO BE CONSTRUCTED WITH THE ADDISON CIRCLE PHASE II MASS GRADING PROJECT UNDER A SEPARATE CONTRACT.
- TO BE CONSTRUCTED WITH THE ADDISON CIRCLE OFFICE TOWER UNDER A SEPARATE CONTRACT.

DATE	DESCRIPTION	REF NO.
1/12/98	MISC. SERVICE LOCATION REVISIONS	
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

WATER & WASTEWATER SITE PLAN						
ADDISON CIRCLE						
PHASE II PUBLIC INFRASTRUCTURE						
TOWN OF ADDISON, TEXAS						
Hull-Zollars, Inc./Engineering/Architecture Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario						
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	1"=50'	JUN. 97	01-1822-21	WI

ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE TEXAS CONSTRUCTION CODES.
 ALL UTILITIES SHOWN ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY.
 THE TOWN OF ADDISON SPECIAL EVENTS AREA IS SHOWN FOR INFORMATION ONLY.
 THE TOWN OF ADDISON IS SHOWN FOR INFORMATION ONLY.
 ALL RIGHTS RESERVED. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF HULL-ZOLLARS, INC.

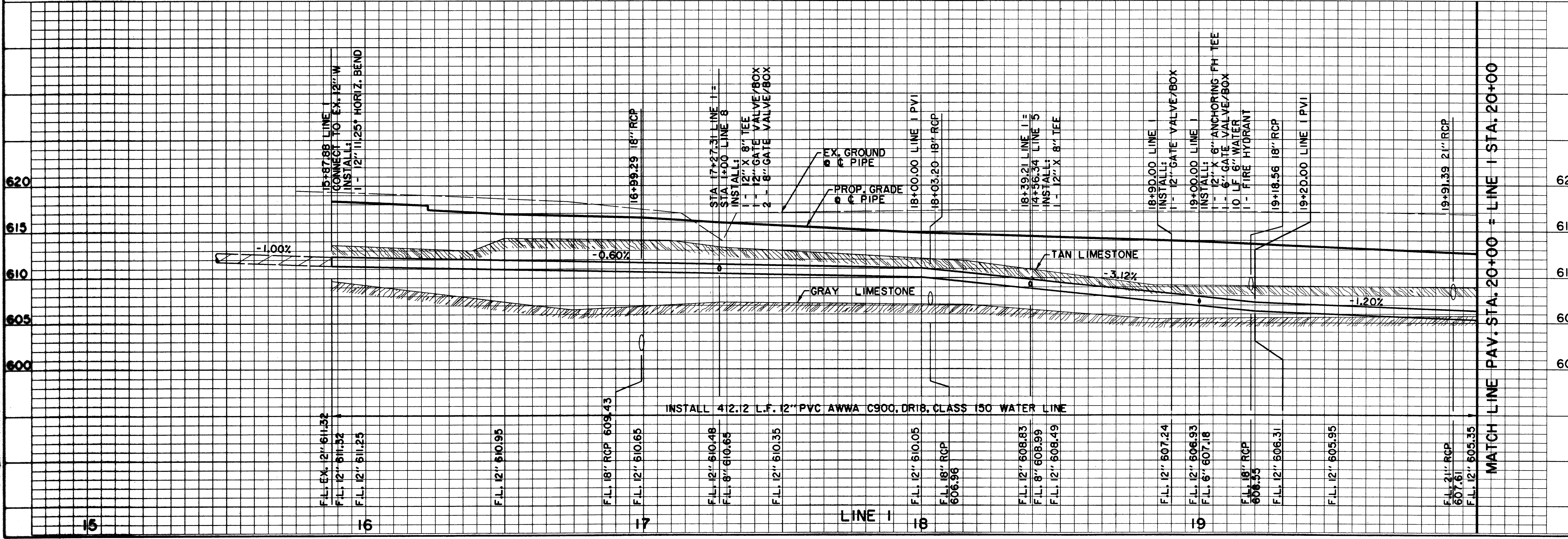


NOTE:
METERS, METER CANS, VAULTS AND BACKFLOW PREVENTION ASSEMBLIES TO BE INSTALLED AND TESTED PER TOWN OF ADDISON GENERAL REQUIREMENTS.

LEGEND

	ELECTRIC — OE —		MISC.
	○ LIGHT POLE		EX. STORM SEWER
	PP POWER POLE		CHAIN LINK FENCE
	TELEPHONE — T —		WOOD FENCE
	TELEPHONE MANHOLE		EXISTING ASPHALT
	TELEPHONE PEDESTAL		EXISTING DIRT OR GRAVEL
	TELEPHONE SIGN		EX. CONCRETE
	GAS — G —		TREE/TREE LINE
	GAS METER		EXISTING CURB
	GAS SIGN		PROP. CURB
	LAND USE		PROP. EDGE OF PAVEMENT NO CURB
	RAILROAD SIGN		EX. PROPERTY LINE
	SURVEY		PROP. CENTERLINE
	FOUND IRON ROD		PROP. R.O.W.
	BENCHMARK		PROP. INLET
	WASTEWATER — WW —		T.P.
	WASTEWATER MANHOLE		T.C.
	CLEANOUT		CR
	WATER — W —		EX. G
	FIRE HYDRANT		EX. T.C.
	METER		B-20
	WATER VALVE		EXISTING BRICKS
			PAVEMENT REMOVAL

RECORD DRAWING



BENCHMARKS:

BM#1
"C" CUT AT CENTER BACK OF CURB OF INLET, 190 FEET SOUTH FROM THE CENTERLINE INTERSECTION OF MILDRED STREET, WEST SIDE OF QUORUM DRIVE. ELEV. 621.89

BM#4
"C" CUT AT CENTER OF CURB INLET, 1015 FEET NORTH FROM THE CENTERLINE INTERSECTION OF MILDRED STREET, WEST SIDE OF QUORUM DRIVE. ELEV. 629.36

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 8152

DATE	DESCRIPTION	REF. NO.
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

WATER PLAN & PROFILE
LINE 1 - ADDISON CIRCLE

ADDISON CIRCLE

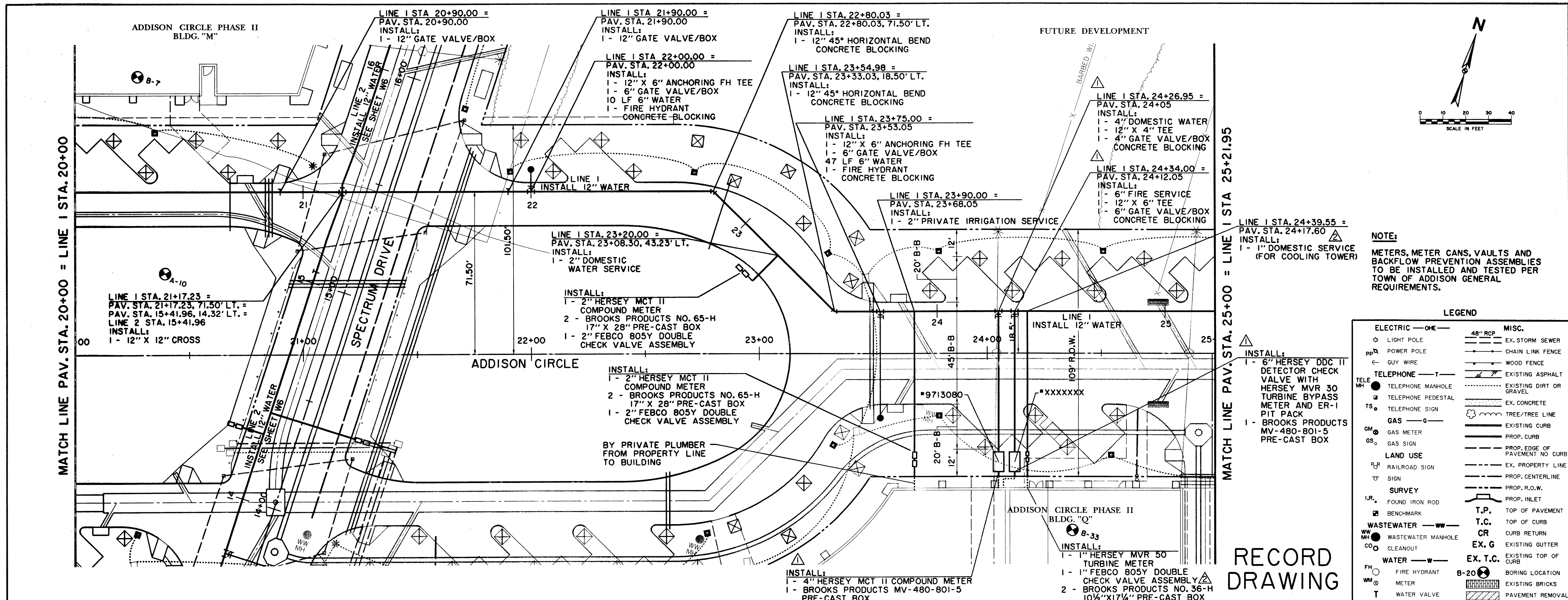
PHASE II PUBLIC INFRASTRUCTURE

TOWN OF ADDISON, TEXAS

Huttl-Zollars, Inc./Engineering/Architecture
Dallas, Fort Worth, Houston, El Paso, Phoenix, Austin, Ontario

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	H ₁ 1"=20' V ₁ 1"=6'	OCT. 97	01-1822-21	W2

ALL DIMENSIONS ARE IN FEET AND DECIMALS THEREOF UNLESS OTHERWISE SPECIFIED.
 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE TEXAS STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
 THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES.
 THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE AND EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
 THE CONTRACTOR SHALL MAINTAIN ADEQUATE SAFETY MEASURES THROUGHOUT THE PROJECT.
 THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORD DRAWINGS THROUGHOUT THE PROJECT.
 THE CONTRACTOR SHALL MAINTAIN ADEQUATE COMMUNICATIONS THROUGHOUT THE PROJECT.
 THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORD DRAWINGS THROUGHOUT THE PROJECT.
 THE CONTRACTOR SHALL MAINTAIN ADEQUATE COMMUNICATIONS THROUGHOUT THE PROJECT.

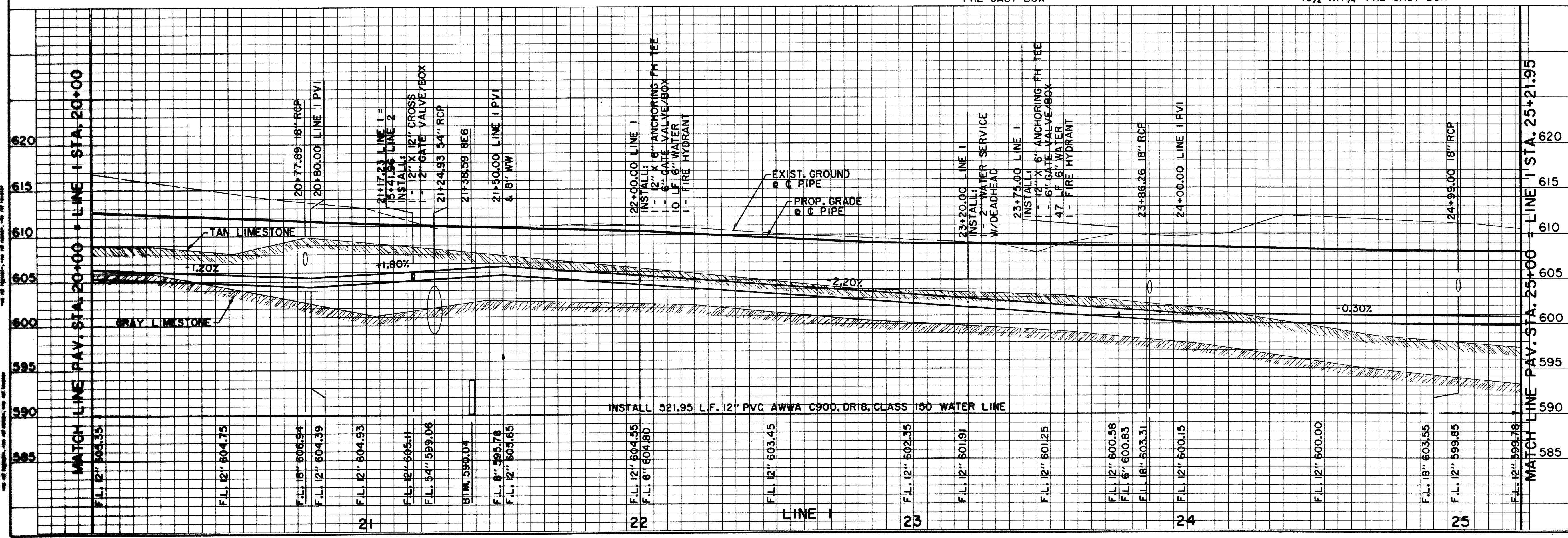


NOTE:
METERS, METER CANS, VAULTS AND BACKFLOW PREVENTION ASSEMBLIES TO BE INSTALLED AND TESTED PER TOWN OF ADDISON GENERAL REQUIREMENTS.

LEGEND

	ELECTRIC — ONE		MISC. 48" RCP
	LIGHT POLE		EX. STORM SEWER
	POWER POLE		CHAIN LINK FENCE
	GUY WIRE		WOOD FENCE
	TELEPHONE — T		EXISTING ASPHALT
	TELEPHONE MANHOLE		EXISTING DIRT OR GRAVEL
	TELEPHONE PEDESTAL		EX. CONCRETE
	TELEPHONE SIGN		TREE/TREE LINE
	GAS — G		EXISTING CURB
	GAS METER		PROP. CURB
	GAS SIGN		PROP. EDGE OF PAVEMENT NO CURB
	LAND USE		EX. PROPERTY LINE
	RAILROAD SIGN		PROP. CENTERLINE
	SIGN		PROP. R.O.W.
	SURVEY		PROP. INLET
	FOUND IRON ROD		T.P. TOP OF PAVEMENT
	BENCHMARK		T.C. TOP OF CURB
	WASTEWATER — WW		CR CURB RETURN
	WASTEWATER MANHOLE		EX. G EXISTING GUTTER
	CLEANOUT		EX. T.C. EXISTING TOP OF CURB
	WATER — W		B-20 BORING LOCATION
	FIRE HYDRANT		EXISTING BRICKS
	METER		PAVEMENT REMOVAL
	WATER VALVE		

RECORD DRAWING



BENCHMARKS:

BM#1 '1' CUT AT CENTER BACK OF CURB OF INLET, 190 FEET SOUTH FROM THE CENTERLINE INTERSECTION OF MILDRED STREET, WEST SIDE OF QUORUM DRIVE, ELEV. 621.89

BM#5 '1' CUT ON NORTHWEST CORNER OF CONC. HDWL. FOR 7'X7' BOX CULVERT UNDER R.R. TRACKS, 180 FEET WEST OF DALLAS PARKWAY SOUTHBOUND, ELEV. 610.49

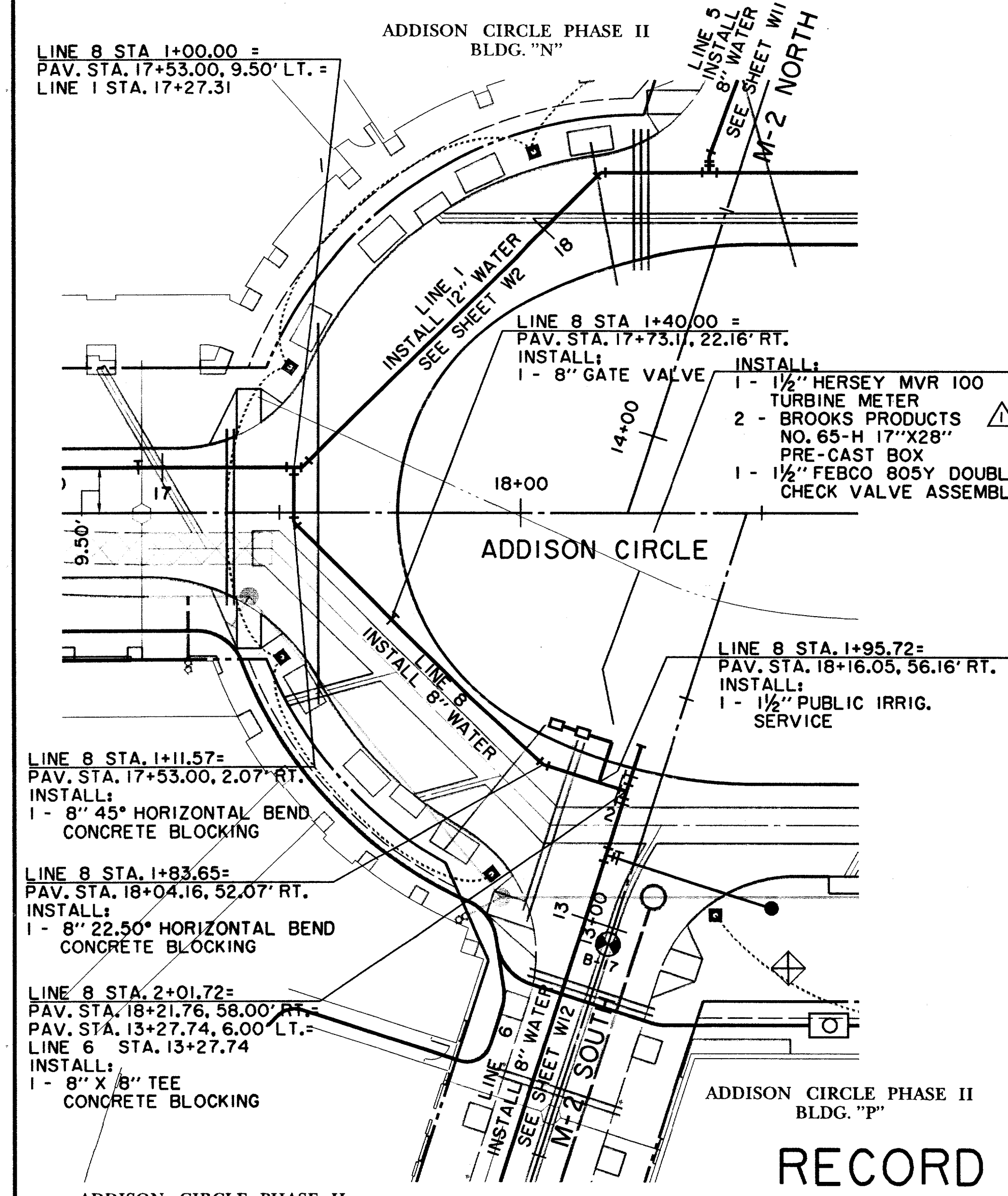
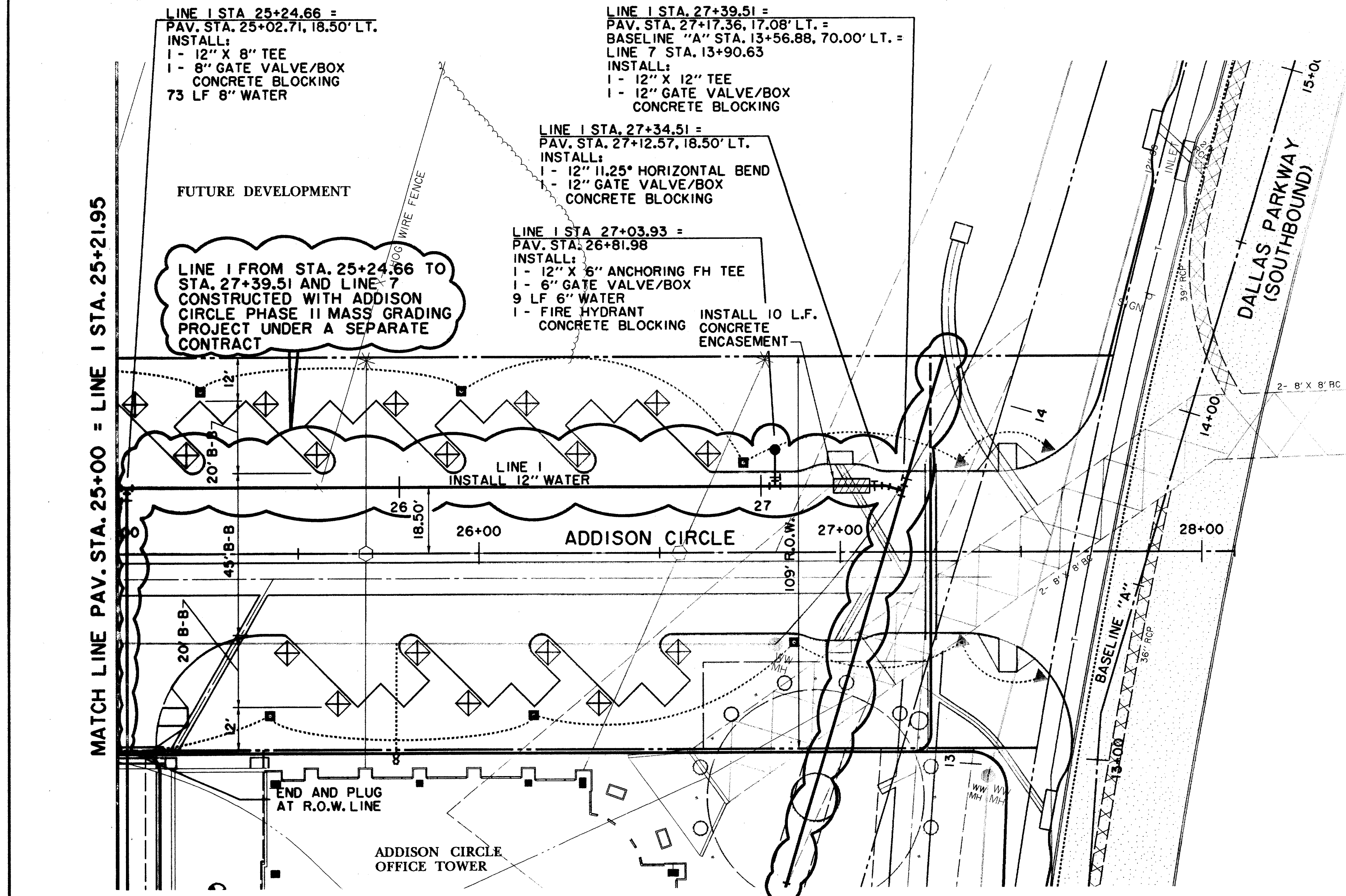
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512

DATE	DESCRIPTION	REF NO.
1/12/98	ADDED SERVICE FOR COOLING TOWER	
11/20/97	ADDED FIRE & DOMESTIC SERVICE	
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

WATER PLAN & PROFILE
LINE I - ADDISON CIRCLE
ADDISON CIRCLE
PHASE II PUBLIC INFRASTRUCTURE
TOWN OF ADDISON, TEXAS
Hull-Zollars, Inc./Engineering/Architecture
Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZ1	HZ1	DEM	H: 1"=20' V: 1"=6'	OCT. 97	01-1822-21	W3

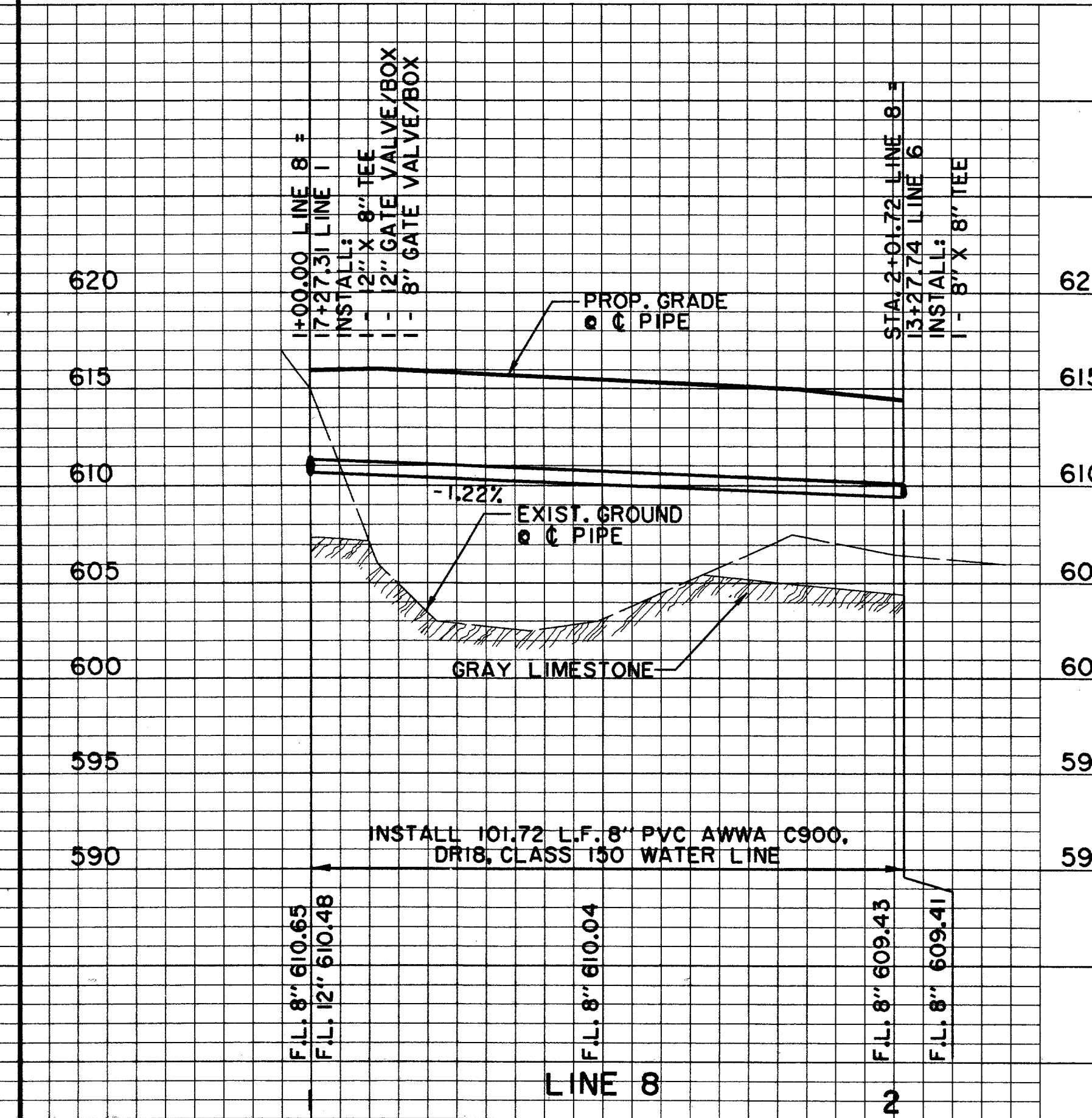
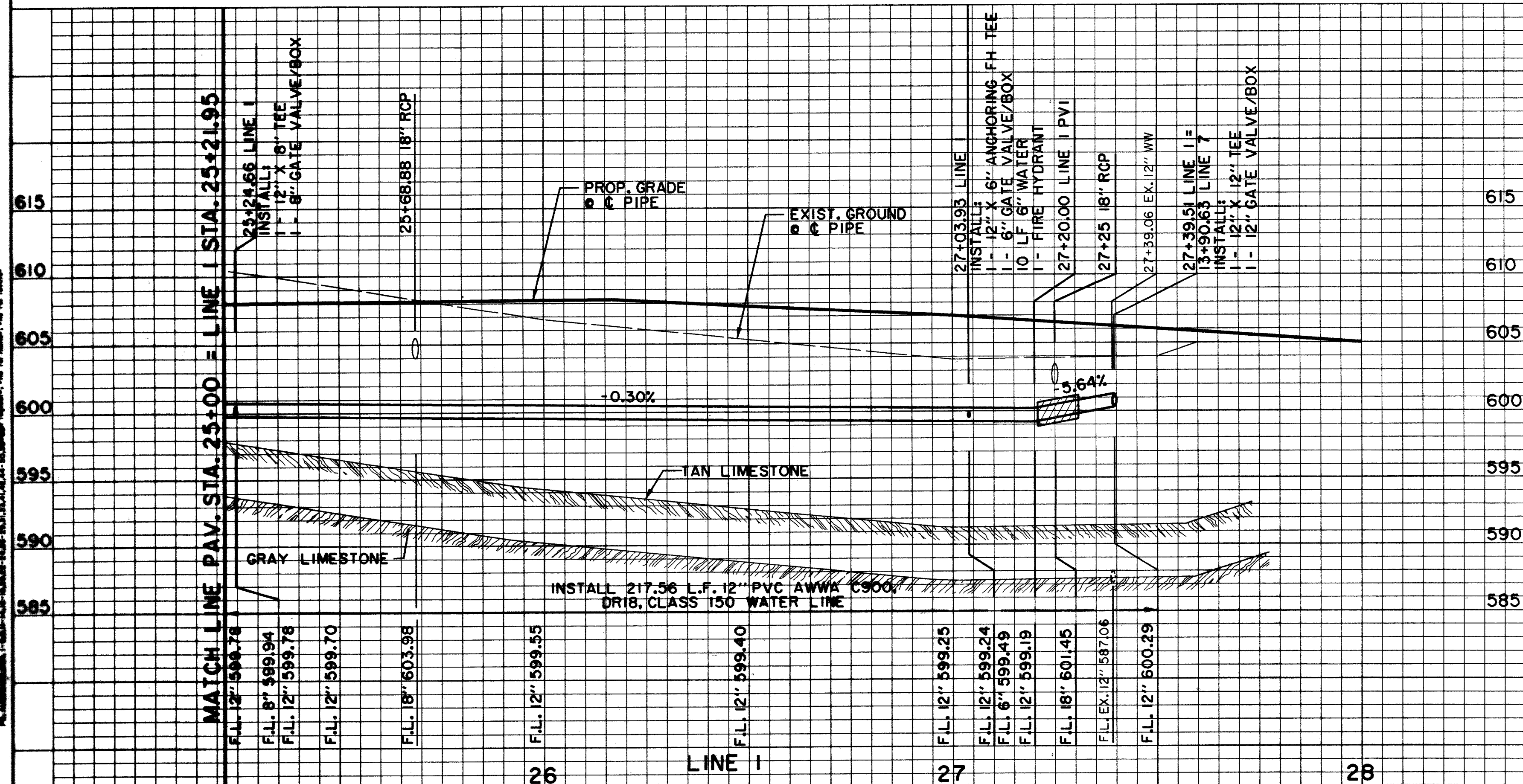
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512



NOTE:
METERS, METER CANS, VAULTS AND BACKFLOW PREVENTION ASSEMBLIES TO BE INSTALLED AND TESTED PER TOWN OF ADDISON GENERAL REQUIREMENTS.

LEGEND

ELECTRIC — E —	48" RCP	MISC.
⊙ LIGHT POLE	EX. STORM SEWER	
PP POWER POLE	CHAIN LINK FENCE	
← GUY WIRE	WOOD FENCE	
TELE — T — TELEPHONE	EXISTING ASPHALT	
⊙ TELEPHONE MANHOLE	EXISTING DIRT OR GRAVEL	
⊙ TELEPHONE PEDESTAL	EX. CONCRETE	
⊙ TELEPHONE SIGN	TREE/TREE LINE	
GAS — G —	EXISTING CURB	
⊙ GAS METER	PROP. CURB	
⊙ GAS SIGN	PROP. EDGE OF PROPERTY LINE	
LAND USE	EX. PROPERTY LINE	
R ₁ RAILROAD SIGN	PROP. CENTERLINE	
⊙ SIGN	PROP. R.O.W.	
I.R. SURVEY	PROP. INLET	
⊙ FOUND IRON ROD	T.P.	
⊙ BENCHMARK	T.C.	
WASTE WATER — WW —	CR	
⊙ WASTE WATER MANHOLE	EX. G	
⊙ CLEANOUT	EX. T.C.	
WATER — W —	B-20	
⊙ FIRE HYDRANT	⊙ BORING LOCATION	
⊙ METER	EXISTING BRICKS	
T WATER VALVE	PAVEMENT REMOVAL	



BENCHMARKS:
BM#5
"1" CUT ON NORTHWEST CORNER OF CONC. HDWL. FOR 7x7" BOX CULVERT UNDER R.R. TRACKS, 180 FEET WEST OF DALLAS PARKWAY SOUTHBOUND. ELEV. 610.49

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512

DATE	DESCRIPTION	REF. NO.
10/3/97	ISSUED FOR CONSTRUCTION	N/A
8/4/97	ADDENDUM NO. 1	▲
7/14/97	ISSUED FOR BID	N/A

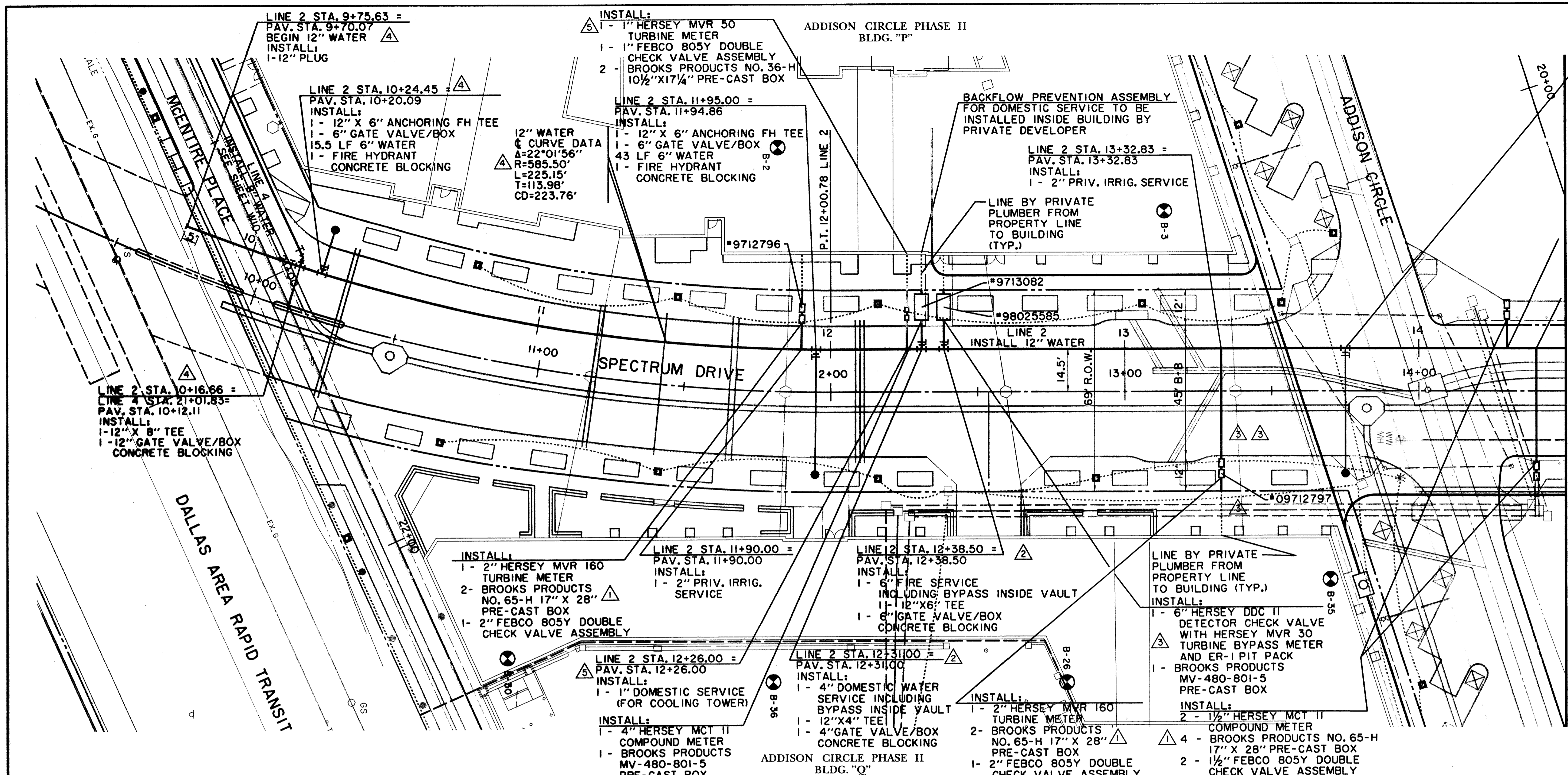
WATER PLAN & PROFILE
LINE 1 & 8 - ADDISON CIRCLE

ADDISON CIRCLE
PHASE II PUBLIC INFRASTRUCTURE
TOWN OF ADDISON, TEXAS

Huiji-Zollars, Inc./Engineering/Architecture
Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	H: 1"=20' V: 1"=6'	OCT. 97	01-1822-21	W4

HUIJI-ZOLLARS, INC. ENGINEERING/ARCHITECTURE
 1800 WEST LOOP SOUTH, SUITE 1000, DALLAS, TEXAS 75243
 TEL: (214) 343-8800 FAX: (214) 343-8801
 WWW.HUIJI-ZOLLARS.COM
 PROJECT NO. 01-1822-21 SHEET NO. W4
 DATE: OCTOBER 1997
 SCALE: HORIZONTAL 1"=20' VERTICAL 1"=6'
 DRAWN BY: HZI CHECKED BY: DEM
 ALL DIMENSIONS IN FEET UNLESS OTHERWISE NOTED
 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE TEXAS CONSTRUCTION SPECIFICATIONS AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS, LATEST EDITIONS
 THE TOWN OF ADDISON GENERAL REQUIREMENTS SHALL BE APPLIED TO ALL CONSTRUCTION UNLESS OTHERWISE NOTED
 THE ENGINEER'S SEAL AND SIGNATURE ARE REQUIRED ON ALL SHEETS
 THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512
 THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512



LINE 2 STA. 9+75.63 =
PAV. STA. 9+70.07
BEGIN 12" WATER
INSTALL:
1- 12" PLUG

LINE 2 STA. 10+24.45 =
PAV. STA. 10+20.09
INSTALL:
1- 12" X 6" ANCHORING FH TEE
1- 6" GATE VALVE/BOX
15.5 LF 6" WATER
1- FIRE HYDRANT
CONCRETE BLOCKING

LINE 2 STA. 10+16.66 =
LINE 4 STA. 21+01.83 =
PAV. STA. 10+12.11
INSTALL:
1- 12" X 8" TEE
1- 12" GATE VALVE/BOX
CONCRETE BLOCKING

LINE 2 STA. 11+95.00 =
PAV. STA. 11+94.86
INSTALL:
1- 12" X 6" ANCHORING FH TEE
1- 6" GATE VALVE/BOX
43 LF 6" WATER
1- FIRE HYDRANT
CONCRETE BLOCKING

LINE 2 STA. 11+90.00 =
PAV. STA. 11+90.00
INSTALL:
1- 2" HERSEY MVR 160
TURBINE METER
2- BROOKS PRODUCTS
NO. 65-H 17" X 28"
PRE-CAST BOX
1- 2" FEBCO 805Y DOUBLE
CHECK VALVE ASSEMBLY

LINE 2 STA. 12+26.00 =
PAV. STA. 12+26.00
INSTALL:
1- 1" DOMESTIC SERVICE
(FOR COOLING TOWER)

LINE 2 STA. 12+31.00 =
PAV. STA. 12+31.00
INSTALL:
1- 4" DOMESTIC WATER
SERVICE INCLUDING
BYPASS INSIDE VAULT
1- 12" X 4" TEE
1- 4" GATE VALVE/BOX
CONCRETE BLOCKING

LINE 2 STA. 12+38.50 =
PAV. STA. 12+38.50
INSTALL:
1- 6" FIRE SERVICE
INCLUDING BYPASS INSIDE VAULT
1- 12" X 6" TEE
1- 6" GATE VALVE/BOX
CONCRETE BLOCKING

LINE 2 STA. 12+31.00 =
PAV. STA. 12+31.00
INSTALL:
1- 2" HERSEY MVR 160
TURBINE METER
2- BROOKS PRODUCTS
NO. 65-H 17" X 28"
PRE-CAST BOX
1- 2" FEBCO 805Y DOUBLE
CHECK VALVE ASSEMBLY

LINE 2 STA. 13+32.83 =
PAV. STA. 13+32.83
INSTALL:
1- 2" PRIV. IRRIG. SERVICE

LINE 2 STA. 13+75.00 =
PAV. STA. 13+75.00
INSTALL:
1- 12" X 6" ANCHORING FH TEE
1- 6" GATE VALVE/BOX
43 LF 6" WATER
1- FIRE HYDRANT
CONCRETE BLOCKING

LINE 2 STA. 14+30.00 =
PAV. STA. 14+30.00
INSTALL:
1- 2" DOMESTIC (FOUNTAIN)
WATER SERVICE

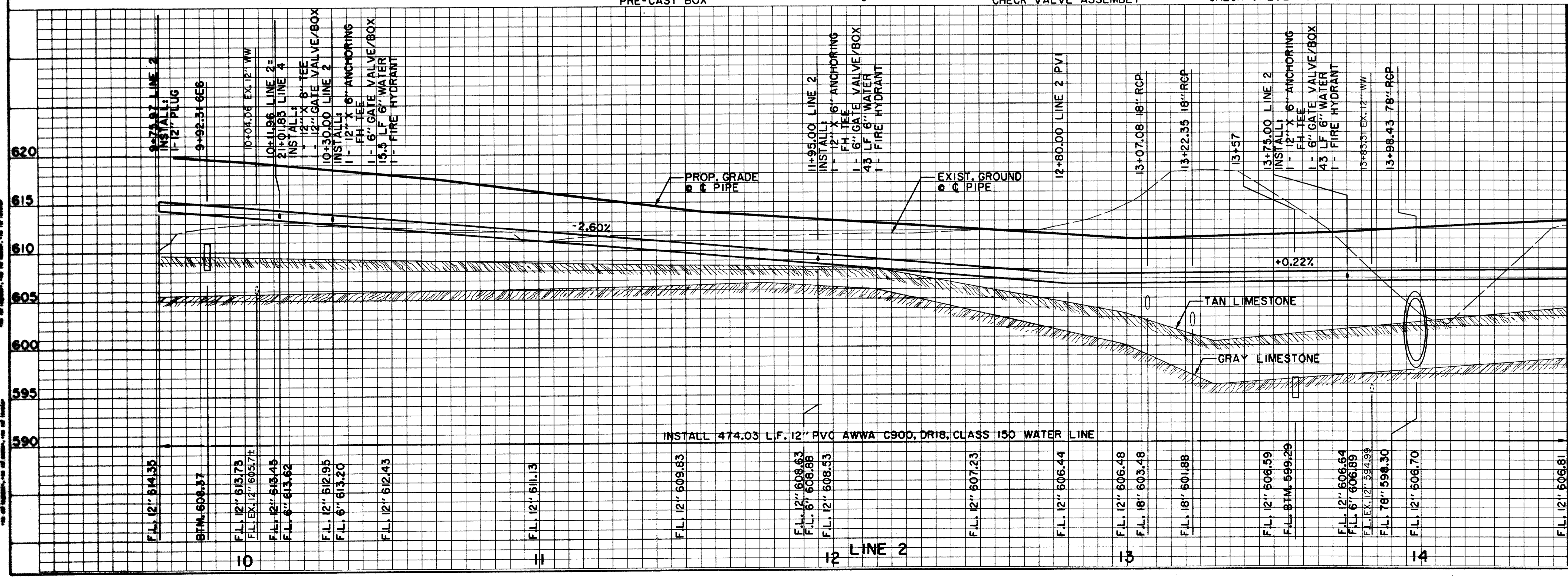
LINE 2 STA. 14+40.00 =
PAV. STA. 14+40.00
INSTALL:
1- 2" DOMESTIC
WATER SERVICE

NOTE:
METERS, METER CANS, VAULTS AND
BACKFLOW PREVENTION ASSEMBLIES
TO BE INSTALLED AND TESTED PER
TOWN OF ADDISON GENERAL
REQUIREMENTS.

LEGEND

ELECTRIC — ONE —	48" RCP	MISC.
⊕ LIGHT POLE	EX. STORM SEWER	
PP POWER POLE	CHAIN LINK FENCE	
— GUY WIRE	WOOD FENCE	
TELEPHONE — T —	EXISTING ASPHALT	
TELEPHONE MANHOLE	EXISTING DIRT OR GRAVEL	
TELEPHONE PEDESTAL	EX. CONCRETE	
TELEPHONE SIGN	TREE/TREE LINE	
GAS — G —	EXISTING CURB	
GAS METER	PROP. CURB	
GAS SIGN	PROP. EDGE OF PAVEMENT NO CURB	
LAND USE	EX. PROPERTY LINE	
RAILROAD SIGN	PROP. CENTERLINE	
SIGN	PROP. R.O.W.	
FOUND IRON ROD	PROP. INLET	
BENCHMARK	T.P. TOP OF PAVEMENT	
WASTEWATER — WW —	T.C. TOP OF CURB	
WASTEWATER MANHOLE	CR CURB RETURN	
CLEANOUT	EX. G. EXISTING GUTTER	
WATER — W —	EX. T.C. EXISTING TOP OF CURB	
FIRE HYDRANT	B-20 BORING LOCATION	
METER	EXISTING BRICKS	
WATER VALVE	PAVEMENT REMOVAL	

RECORD DRAWING



BENCHMARKS:
BM#5
CUT ON NORTHWEST CORNER
OF CONC. HDWL. FOR 7'X7' BOX
CULVERT UNDER R.R. TRACKS,
180 FEET WEST OF DALLAS
PARKWAY SOUTHBOUND,
ELEV. 610.49

THE SEAL APPEARING ON THIS
DOCUMENT WAS AUTHORIZED BY
DAVID E. MEYERS, P.E. 81512

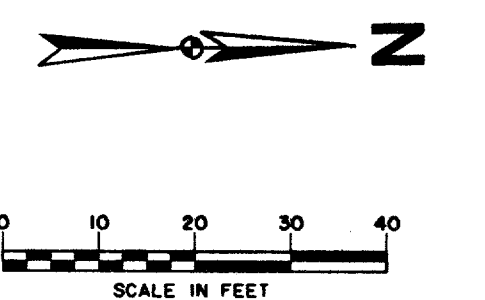
DATE	DESCRIPTION	REF. NO.
1/12/98	ADDED SERVICE FOR COOLING TOWER	△
12/15/97	REVISED CURVE DATA LINE 2	△
11/20/97	DELETED FIRE & DOM. SERVICE	△
11/15/97	REVISED FIRE & DOM. SERVICE LOCATION	△
10/3/97	ISSUED FOR CONSTRUCTION	N/A
8/4/97	ADDENDUM NO. 1	△
7/14/97	ISSUED FOR BID	N/A

WATER PLAN & PROFILE
LINE 2 - SPECTRUM DRIVE
ADDISON CIRCLE
PHASE II PUBLIC INFRASTRUCTURE
TOWN OF ADDISON, TEXAS
Hull-Zollars, Inc./Engineering/Architecture
Dallas, Fort Worth, Houston, El Paso, Phoenix, Tuskin, Ontario

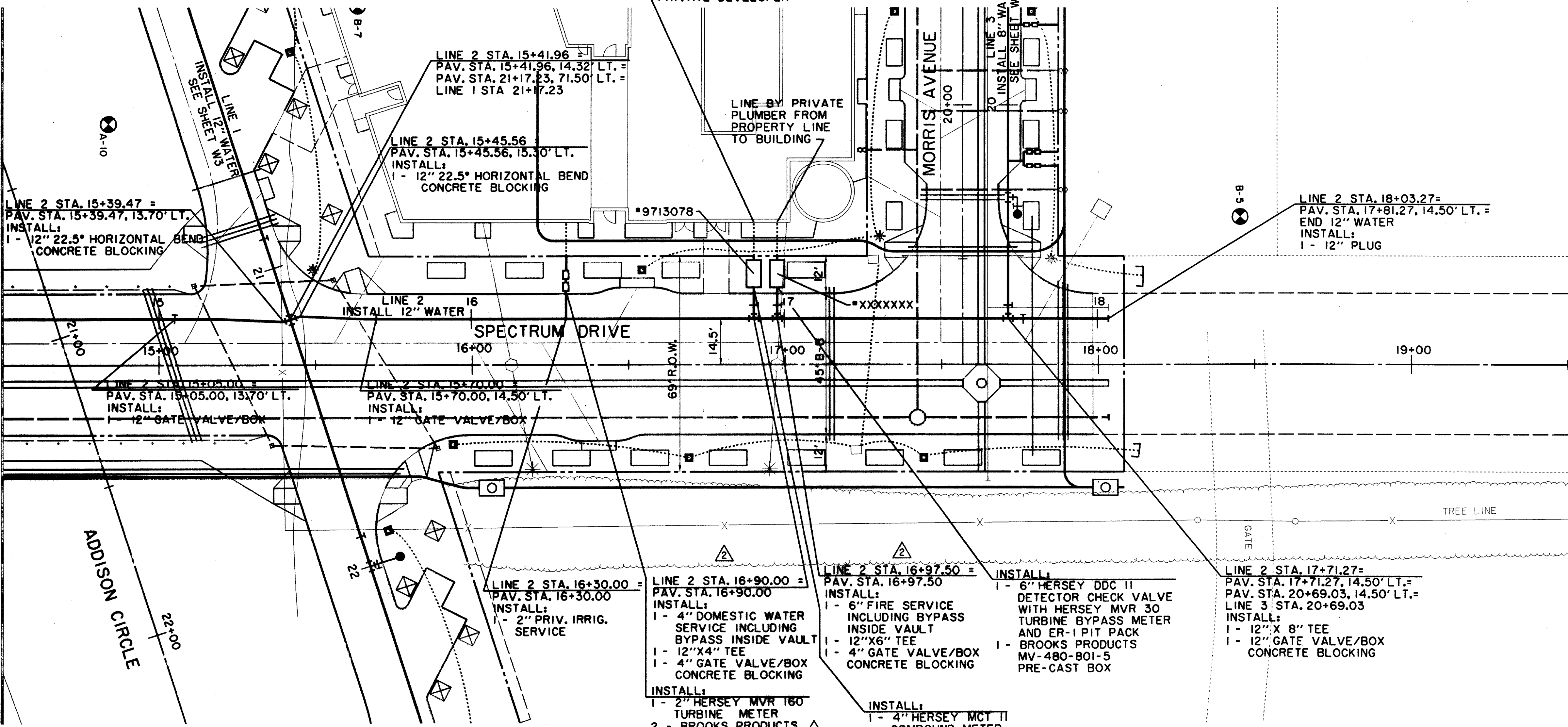
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZ1	HZ1	DEM	H ₁ 1"=20' V ₁ 1"=6'	OCT. 97	01-1822-21	W5

ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN FEET AND DECIMALS THEREOF.
 ALL DISTANCES ARE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.
 ALL ANGLES ARE TO BE SHOWN IN DEGREES AND DECIMALS THEREOF.
 ALL CURVES ARE TO BE SHOWN WITH RADIUS, CHORD BEARING, AND CHORD LENGTH.
 ALL ELEVATIONS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL STATIONING IS TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL NOTES ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL MATERIALS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL METHODS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL SIZES ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL WEIGHTS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL VOLUMES ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL SURFACES ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL FINISHES ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL CONDITIONS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL TOLERANCES ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL TESTS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL RECORDS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL DRAWINGS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL SCALES ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL UNITS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL SYSTEMS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL STANDARDS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL CODES ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL REGULATIONS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL ORDINANCES ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL LAWS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL CONTRACTS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL AGREEMENTS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL TENDERS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL BIDS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL AWARDS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL CONTRACTS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL AGREEMENTS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL TENDERS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL BIDS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.
 ALL AWARDS ARE TO BE SHOWN IN FEET AND DECIMALS THEREOF.

BACKFLOW PREVENTION ASSEMBLY FOR DOMESTIC SERVICE TO BE INSTALLED INSIDE BUILDING BY PRIVATE DEVELOPER



MATCH LINE PAV. STA. 14+50 = LINE 2 STA. 14+50

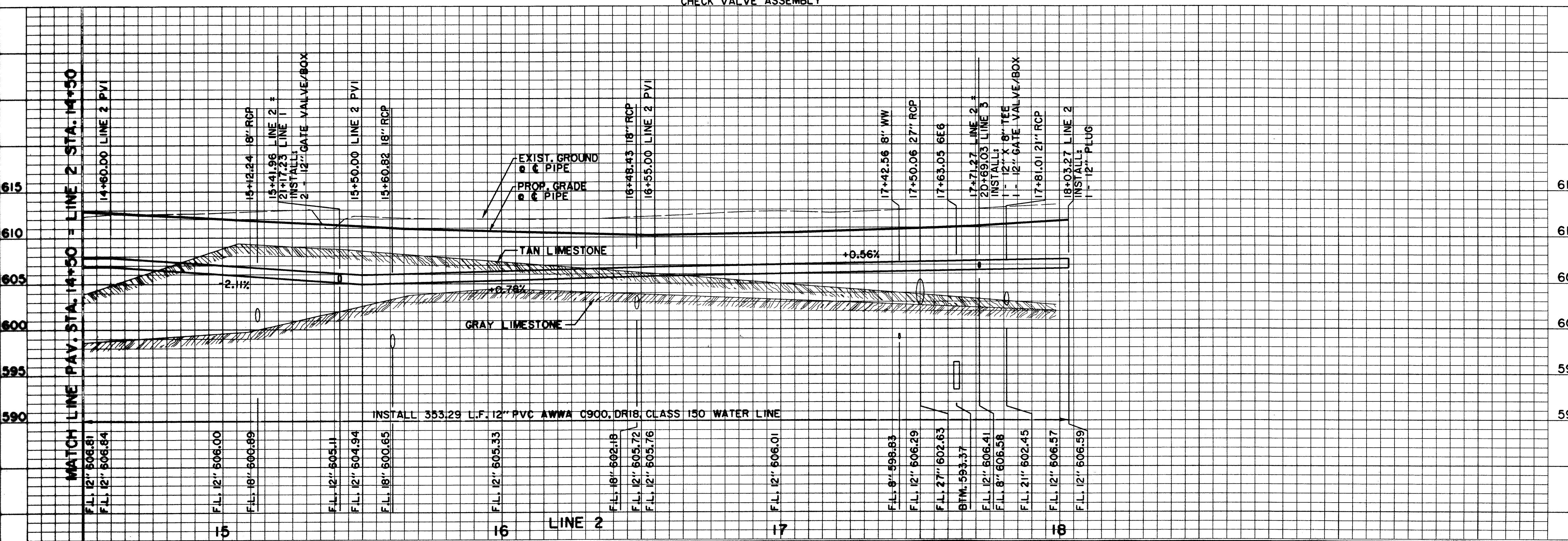


NOTE:
METERS, METER CANS, VAULTS AND BACKFLOW PREVENTION ASSEMBLIES TO BE INSTALLED AND TESTED PER TOWN OF ADDISON GENERAL REQUIREMENTS.

LEGEND

	ELECTRIC — ONE —		MISC. 48" RCP
	○ LIGHT POLE		EX. STORM SEWER
	pp POWER POLE		CHAIN LINK FENCE
	— GUY WIRE		WOOD FENCE
	TELEPHONE — T —		EXISTING ASPHALT
	TELEPHONE MANHOLE		EXISTING DIRT OR GRAVEL
	TELEPHONE PEDESTAL		EX. CONCRETE
	TELEPHONE SIGN		TREE/TREE LINE
	GAS — G —		EXISTING CURB
	GAS METER		PROP. CURB
	GAS SIGN		PROP. EDGE OF PAVEMENT NO CURB
	LAND USE		EX. PROPERTY LINE
	RAILROAD SIGN		PROP. CENTERLINE
	SIGN		PROP. R.O.W.
	SURVEY		PROP. INLET
	FOUND IRON ROD		T.P. TOP OF PAVEMENT
	BENCHMARK		T.C. TOP OF CURB
	WASTEWATER — WW —		CR CURB RETURN
	WASTEWATER MANHOLE		EX. G EXISTING GUTTER
	CLEANOUT		EX. T.C. EXISTING TOP OF CURB
	WATER — W —		B-20 BORING LOCATION
	FIRE HYDRANT		EXISTING BRICKS
	METER		PAVEMENT REMOVAL
	WATER VALVE		

RECORD DRAWING



BENCHMARKS:

BMP#5
1'1" CUT ON NORTHWEST CORNER OF CONC. HDWL. FOR 7'X7' BOX CULVERT UNDER R.R. TRACKS, 180 FEET WEST OF DALLAS PARKWAY SOUTHBOUND, ELEV. 610.49

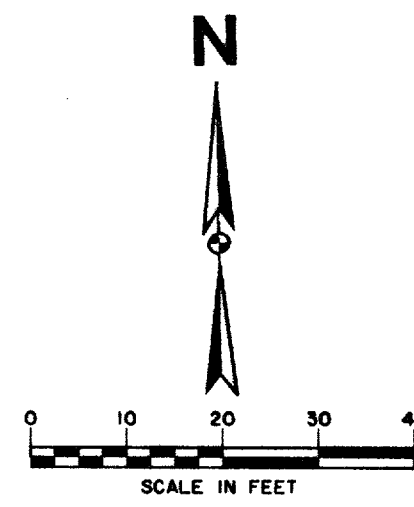
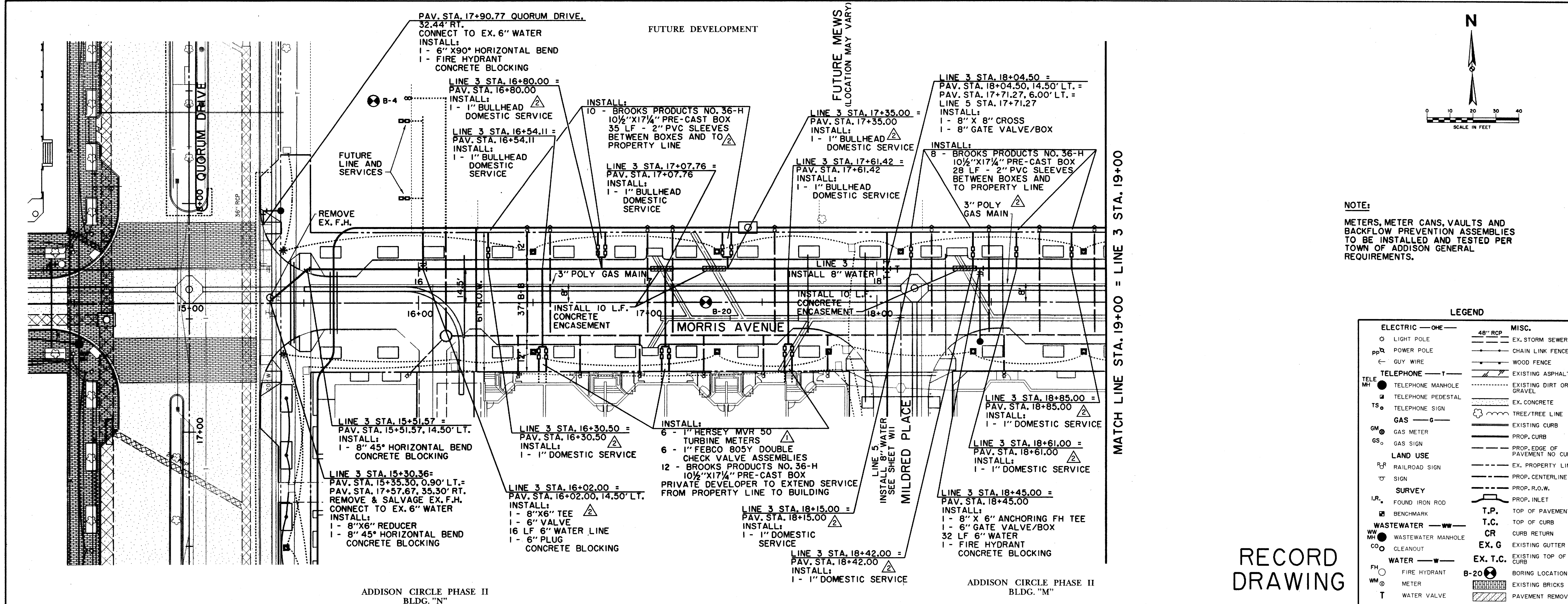
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512

DATE	DESCRIPTION	REF. NO.
11/15/97	REVISED 4" DOMESTIC & 6" FIRE LOCATION	△
10/3/97	ISSUED FOR CONSTRUCTION	N/A
8/4/97	ADDENDUM NO. 1	△
7/14/97	ISSUED FOR BID	N/A

WATER PLAN & PROFILE
LINE 2 - SPECTRUM DRIVE
ADDISON CIRCLE
PHASE II PUBLIC INFRASTRUCTURE
TOWN OF ADDISON, TEXAS
Huitt-Zollars, Inc./Engineering/Architecture
Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZ1	HZ1	DEM	H: 1"=20' V: 1"=6'	OCT. 97	01-1822-21	W6

PROJECT NO. 01-1822-21
 SHEET NO. W6
 DATE: 10/3/97
 DRAWN BY: HZ1
 CHECKED BY: DEM
 APPROVED BY: [Signature]
 TITLE: ENGINEER

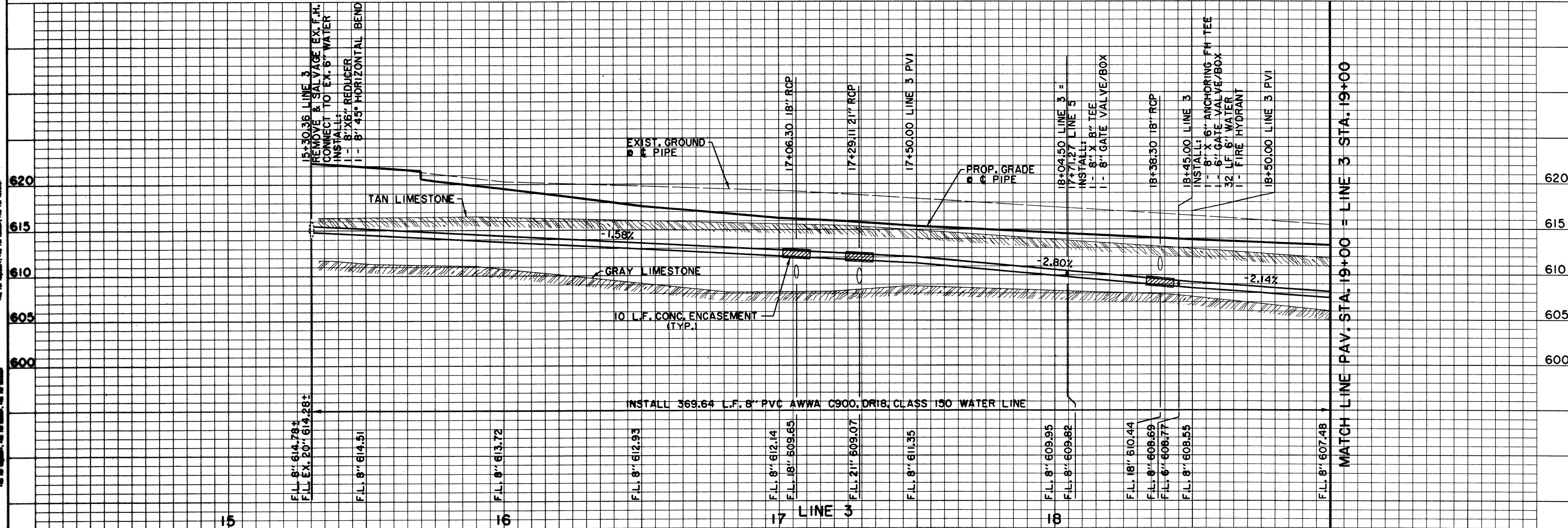


NOTE:
METERS, METER CANS, VAULTS AND BACKFLOW PREVENTION ASSEMBLIES TO BE INSTALLED AND TESTED PER TOWN OF ADDISON GENERAL REQUIREMENTS.

LEGEND

ELECTRIC — ONE		MISC.	
⊙	LIGHT POLE	48" RCP	EX. STORM SEWER
PP	POWER POLE	—	CHAIN LINK FENCE
←	GUY WIRE	—	WOOD FENCE
TELEPHONE — T		—	EXISTING ASPHALT
TELE MH	TELEPHONE MANHOLE	—	EXISTING DIRT OR GRAVEL
TP	TELEPHONE PEDESTAL	—	EX. CONCRETE
TG	TELEPHONE SIGN	—	EXISTING CURB
G	GAS	—	TREE/TREE LINE
GM	GAS METER	—	PROP. CURB
GS	GAS SIGN	—	EXISTING CURB
LAND USE		—	PROP. EDGE OF PAVEMENT NO CURB
R	RAILROAD SIGN	—	EX. PROPERTY LINE
T	SIGN	—	PROP. CENTERLINE
SURVEY		—	PROP. R.O.W.
F.I.R.	FOUND IRON ROD	—	PROP. INLET
B	BENCHMARK	—	T.P.
W	WASTEWATER	—	T.C.
WMH	WASTEWATER MANHOLE	—	CR
CO	CLEANOUT	—	EX. G
WATER — W		—	EX. T.C.
FH	FIRE HYDRANT	B-20	BORING LOCATION
WM	METER	—	EXISTING BRICKS
T	WATER VALVE	—	PAVEMENT REMOVAL

RECORD DRAWING



BENCHMARKS:

BM#1 "C" CUT AT CENTER BACK OF CURB OF INLET, 190 FEET SOUTH FROM THE CENTERLINE INTERSECTION OF MILDRED STREET, WEST SIDE OF QUORUM DRIVE. ELEV. 621.89

BM#4 "C" CUT AT CENTER OF CURB INLET, 1015 FEET NORTH FROM THE CENTERLINE INTERSECTION OF MILDRED STREET, WEST SIDE OF QUORUM DRIVE. ELEV. 629.36

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512

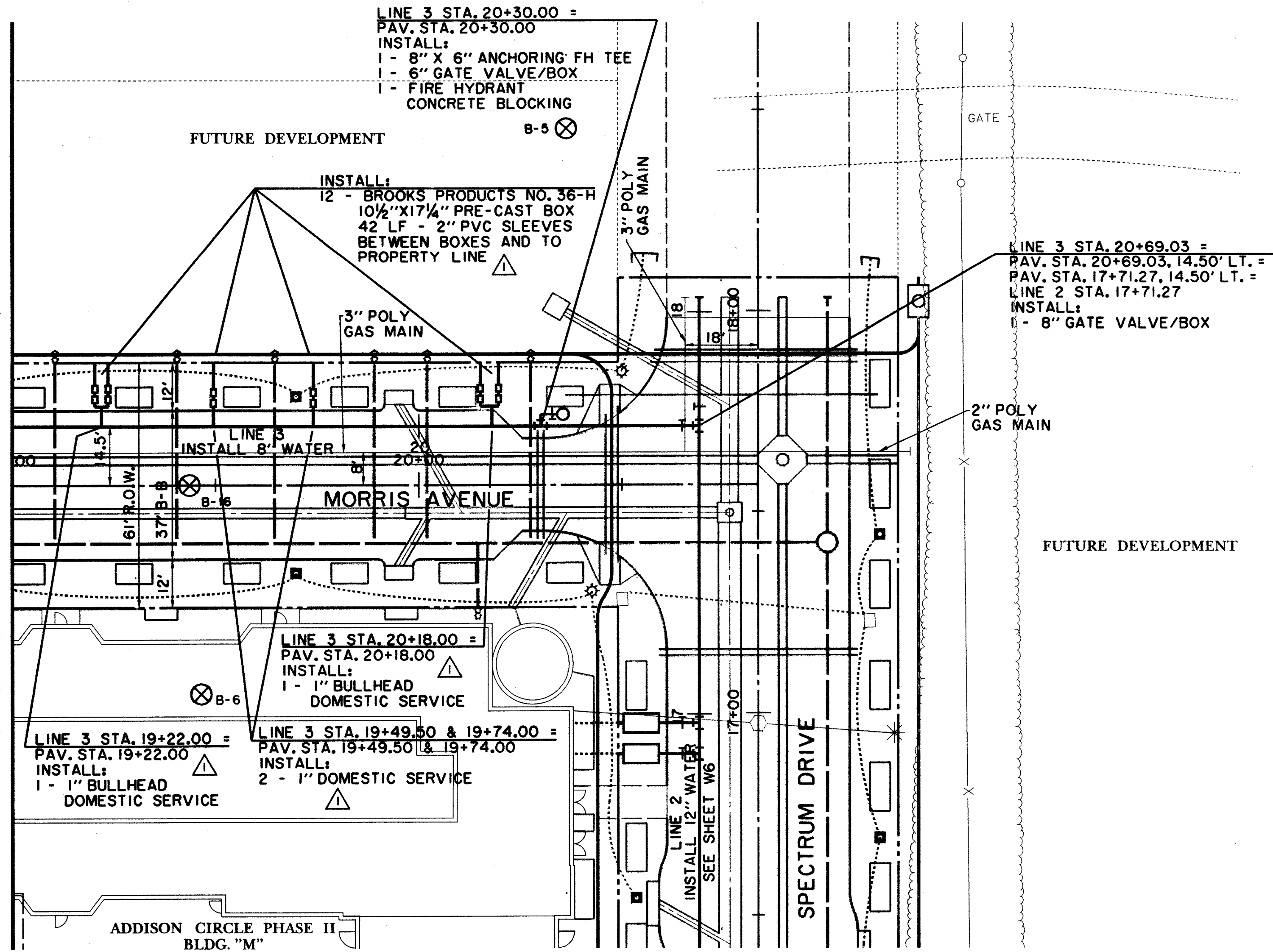
DATE	DESCRIPTION	REF. NO.
1/12/98	ADDED SERVICES FOR FUTURE TOWNHOMES	△
10/3/97	ISSUED FOR CONSTRUCTION	N/A
8/4/97	ADDENDUM NO. 1	△
7/14/97	ISSUED FOR BID	N/A

WATER PLAN & PROFILE						
LINE 3 - MORRIS AVENUE						
ADDISON CIRCLE						
PHASE II PUBLIC INFRASTRUCTURE						
TOWN OF ADDISON, TEXAS						
Hull - Zolters, Inc./Engineering/Architecture Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario						
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	H ₁ 1"=20' V ₁ 1"=6'	OCT. 97	01-1822-21	W7

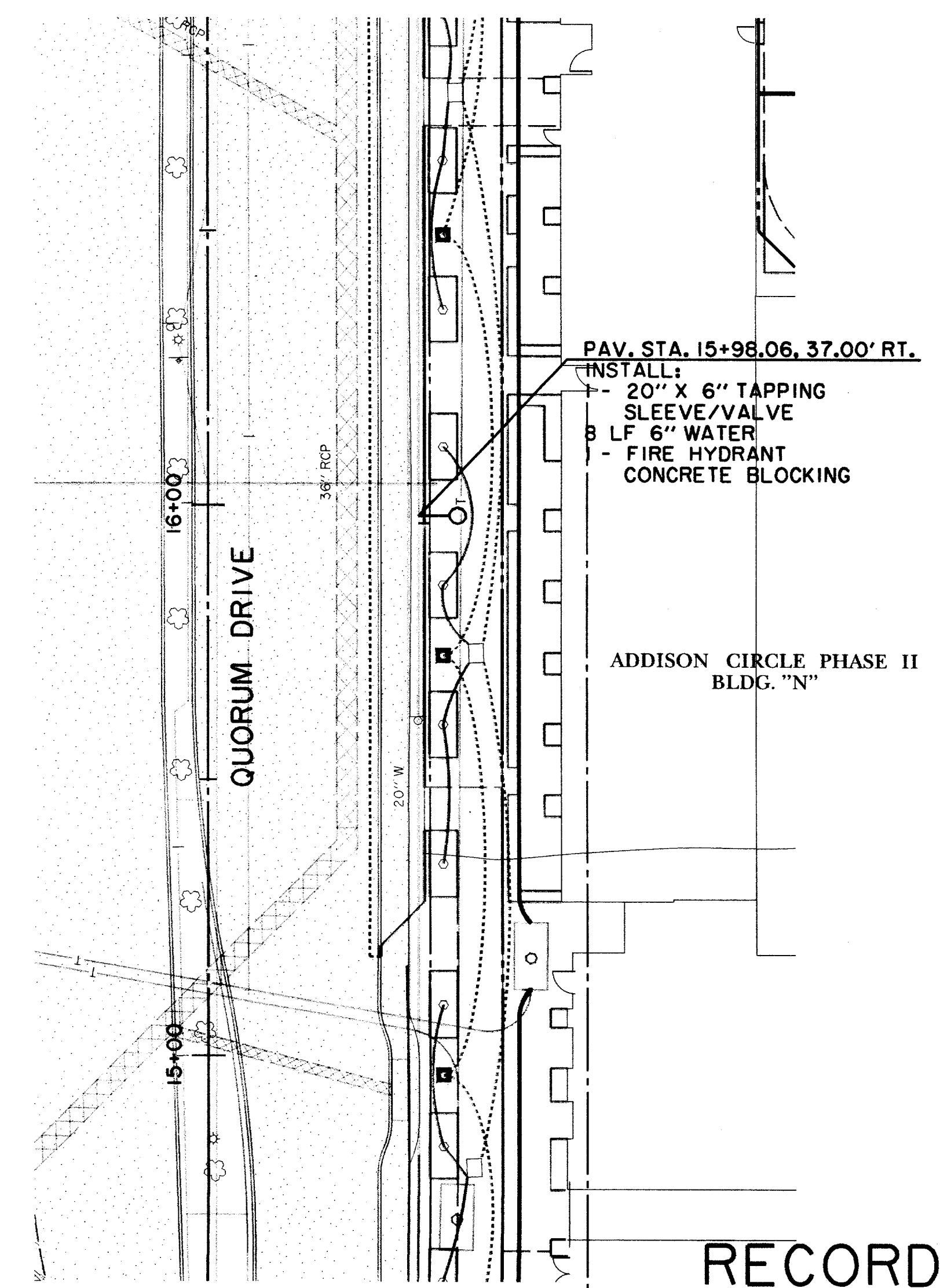
THE TOWN OF ADDISON, TEXAS, HAS REVIEWED THIS PLAN AND APPROVES THE SAME AS SHOWN ON THESE SHEETS. THE TOWN ENGINEER'S OFFICE IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE ENGINEER OR ARCHITECT. THE TOWN ENGINEER'S OFFICE IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE ENGINEER OR ARCHITECT. THE TOWN ENGINEER'S OFFICE IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE ENGINEER OR ARCHITECT.

PROJECT NO. 01-1822-21
 SHEET NO. 21
 DATE: 10/12/98
 DRAWN BY: HZI
 CHECKED BY: DEM
 PROJECT: WATER PLAN & PROFILE
 LINE 3 - MORRIS AVENUE
 PHASE II PUBLIC INFRASTRUCTURE
 TOWN OF ADDISON, TEXAS
 HUII-ZOLLARS, INC./ENGINEERING/ARCHITECTURE
 DALLAS, FORT WORTH, HOUSTON, EL PASO, PHOENIX, TUSTIN, ONTARIO

MATCH LINE PAV. STA. 19+00 = LINE 3 STA. 19+00



FUTURE DEVELOPMENT

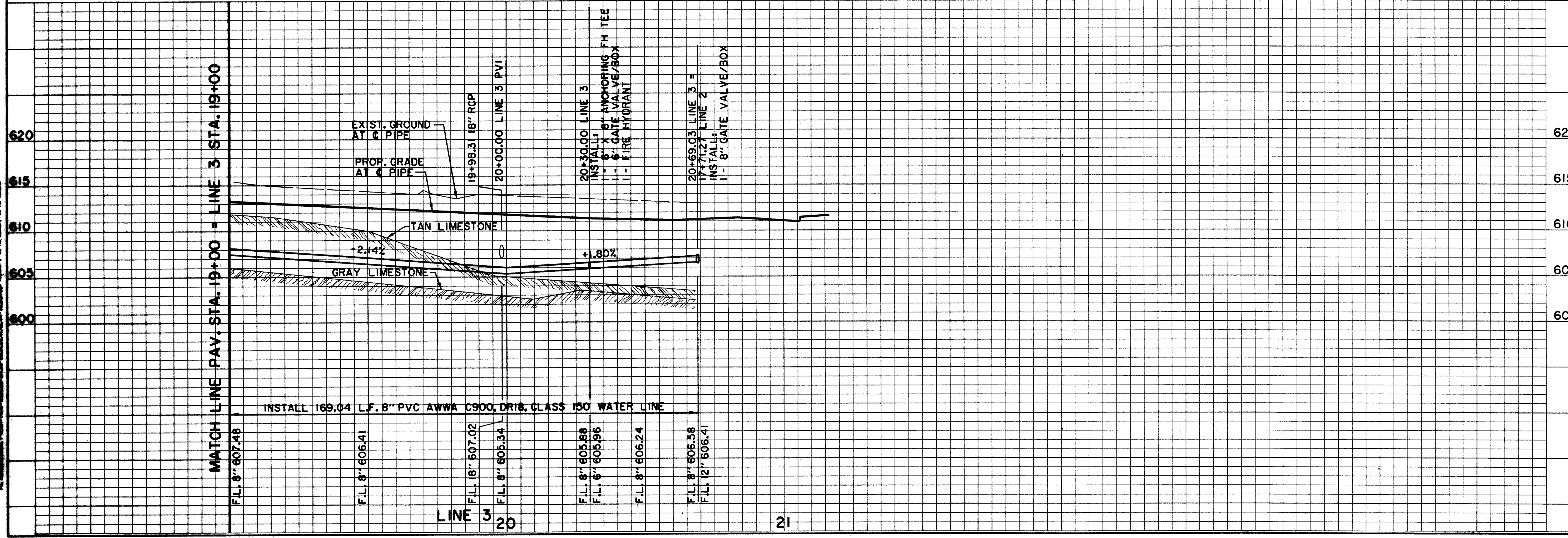
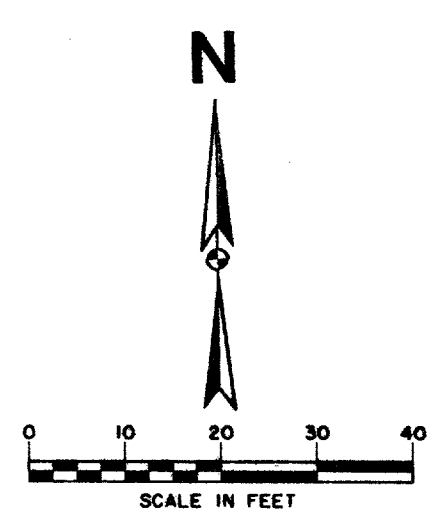


RECORD DRAWING

NOTE:

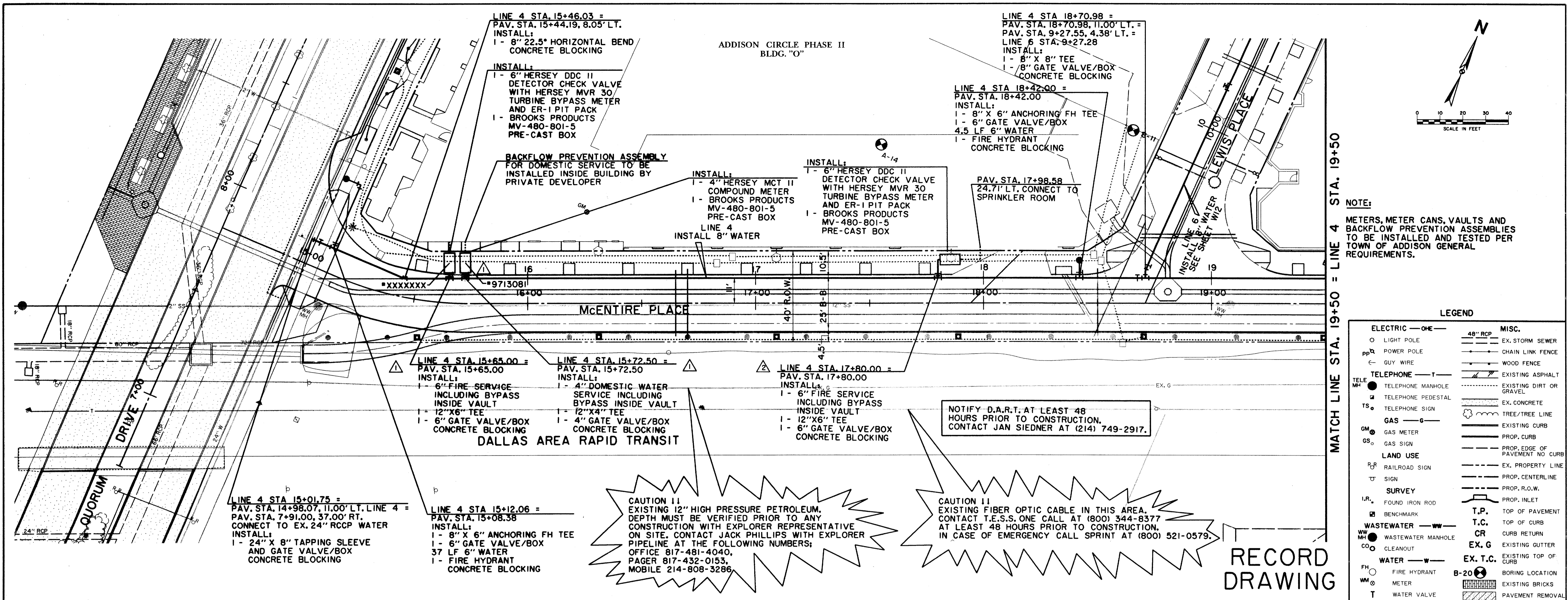
METERS, METER CANS, VAULTS AND BACKFLOW PREVENTION ASSEMBLIES TO BE INSTALLED AND TESTED PER TOWN OF ADDISON GENERAL REQUIREMENTS.

ELECTRIC		MISC.	
○	LIGHT POLE	48" RCP	EX. STORM SEWER
PP	POWER POLE	—	CHAIN LINK FENCE
←	GUY WIRE	—	WOOD FENCE
TELEPHONE		—	EXISTING ASPHALT
TELE MH	TELEPHONE MANHOLE	—	EXISTING DIRT OR GRAVEL
TS	TELEPHONE PEDESTAL	—	EX. CONCRETE
TS	TELEPHONE SIGN	—	TREE/TREE LINE
GAS	GAS	—	EXISTING CURB
GM	GAS METER	—	PROP. CURB
GS	GAS SIGN	—	PROP. EDGE OF PAVEMENT NO CURB
LAND USE		—	EX. PROPERTY LINE
R.R.	RAILROAD SIGN	—	PROP. CENTERLINE
T	SIGN	—	PROP. R.O.W.
SURVEY		—	PROP. INLET
I.R.	FOUND IRON ROD	—	T.P.
B	BENCHMARK	—	TOP OF PAVEMENT
WASTEWATER		—	T.C.
WMH	WASTEWATER MANHOLE	—	TOP OF CURB
CO	CLEANOUT	—	CR
WATER		—	EX. G
FH	FIRE HYDRANT	—	EXISTING TOP OF CURB
M	METER	B-20	BORING LOCATION
T	WATER VALVE	—	EXISTING BRICKS
		—	PAVEMENT REMOVAL



DATE	DESCRIPTION	REF. NO.
1/12/98	ADDED SERVICES FOR FUTURE TOWNHOMES	△
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

BENCHMARKS: BM#1 "C" CUT AT CENTER BACK OF CURB OF INLET, 190 FEET SOUTH FROM THE CENTERLINE INTERSECTION OF MILDRED STREET, WEST SIDE OF QUORUM DRIVE. ELEV. 621.89 BM#4 "C" CUT AT CENTER OF CURB INLET, 1015 FEET NORTH FROM THE CENTERLINE INTERSECTION OF MILDRED STREET, WEST SIDE OF QUORUM DRIVE. ELEV. 629.36			THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512 			
WATER PLAN & PROFILE LINE 3 - MORRIS AVENUE ADDISON CIRCLE PHASE II PUBLIC INFRASTRUCTURE TOWN OF ADDISON, TEXAS HUII-ZOLLARS, INC./ENGINEERING/ARCHITECTURE DALLAS, FORT WORTH, HOUSTON, EL PASO, PHOENIX, TUSTIN, ONTARIO						
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	H ₁ 1"=20' V ₁ 1"=6'	OCT. 97	01-1822-21	W8

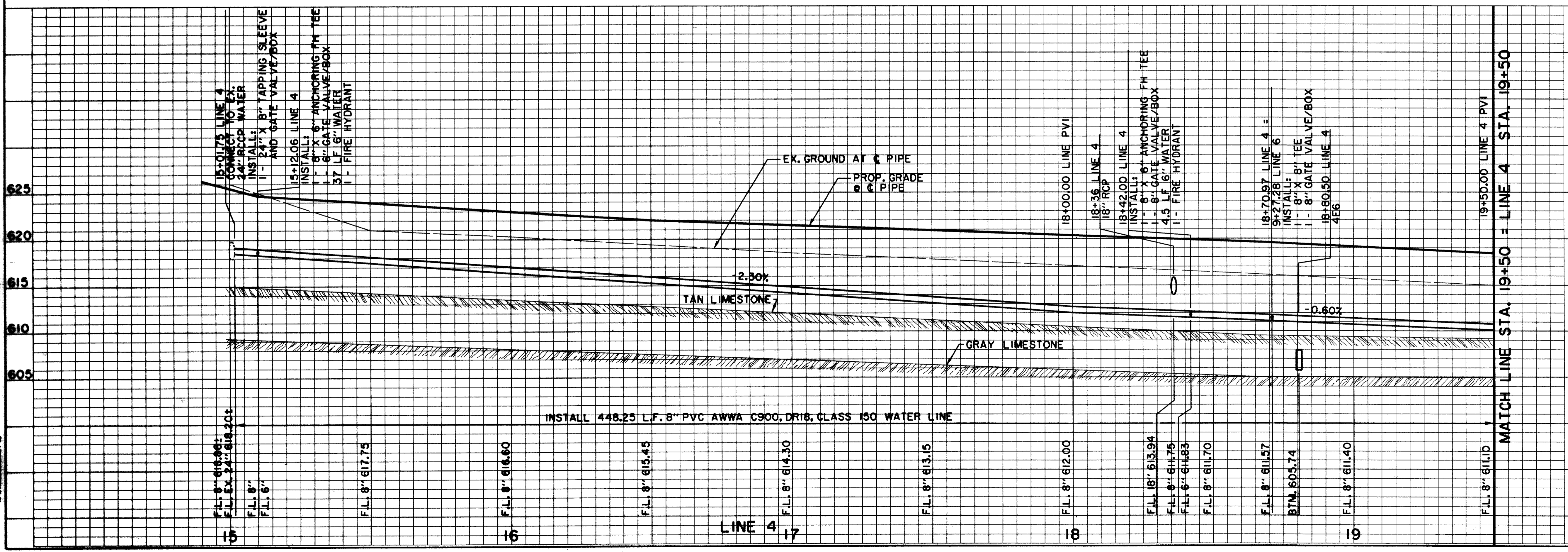


CAUTION !!
 EXISTING 12" HIGH PRESSURE PETROLEUM PIPELINE AT THE FOLLOWING NUMBERS:
 OFFICE 817-481-4040,
 PAGER 817-432-0153,
 MOBILE 214-808-3286

CAUTION !!
 EXISTING FIBER OPTIC CABLE IN THIS AREA. CONTACT T.E.S.S. ONE CALL AT (800) 344-8377 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. IN CASE OF EMERGENCY CALL SPRINT AT (800) 521-0579.

NOTIFY D.A.R.T. AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. CONTACT JAN SIEDNER AT (214) 749-2917.

RECORD DRAWING



BENCHMARKS:

BM#1 "C" CUT AT CENTER BACK OF CURB OF INLET, 190 FEET SOUTH FROM THE CENTERLINE INTERSECTION OF MILDRED STREET, WEST SIDE OF QUORUM DRIVE. ELEV. 621.89

BM#4 "C" CUT AT CENTER OF CURB INLET, 1015 FEET NORTH FROM THE CENTERLINE INTERSECTION OF MILDRED STREET, WEST SIDE OF QUORUM DRIVE. ELEV. 629.36

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512

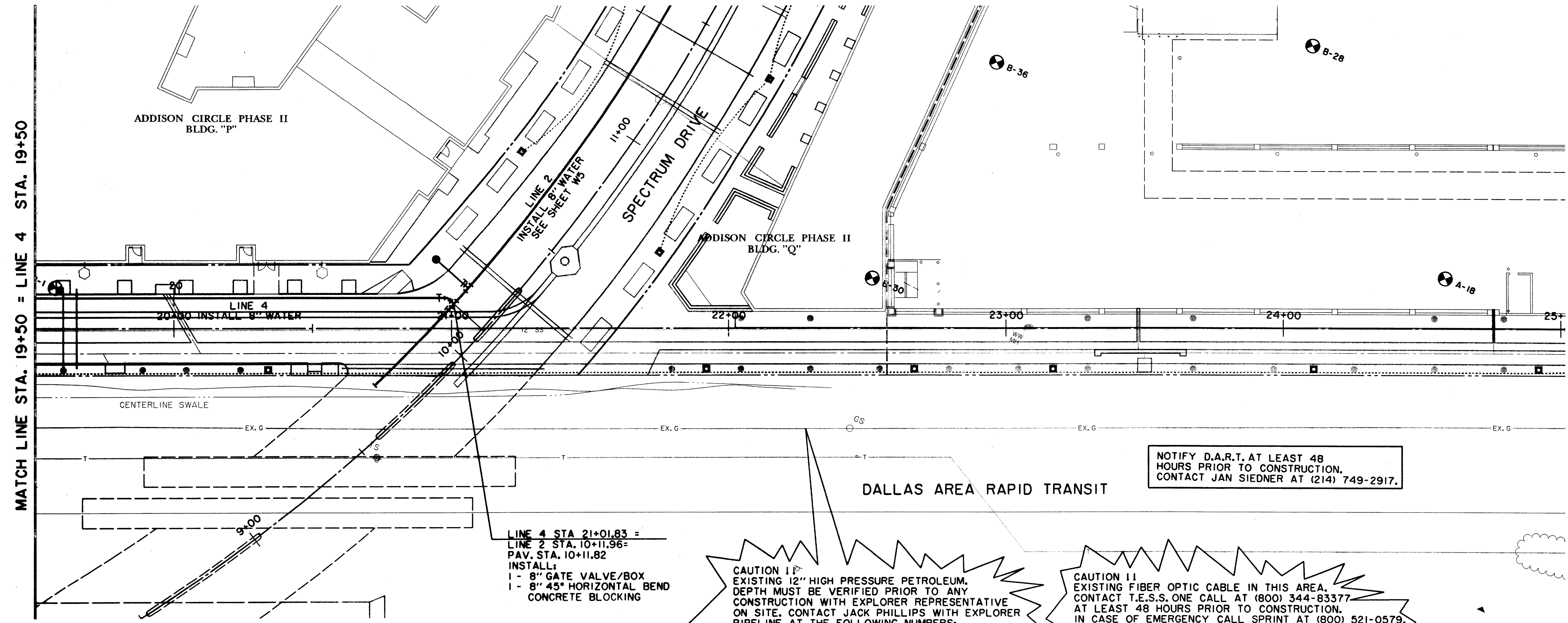
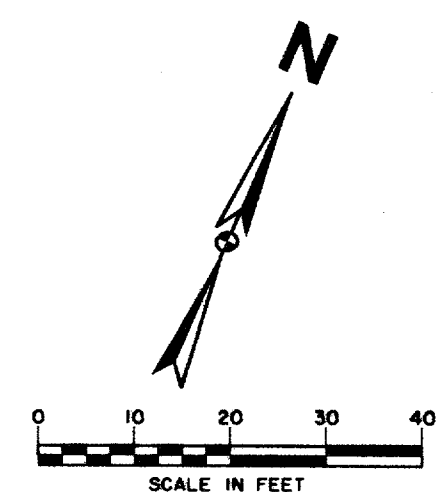
DATE	DESCRIPTION	REF. NO.
12/11/97	ADDED FIRE SERVICE	▲
11/15/97	REVISED DOM. & FIRE SERVICE LOCATION	▲
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

WATER PLAN & PROFILE
 LINE 4 - McENTIRE PLACE
ADDISON CIRCLE
 PHASE II PUBLIC INFRASTRUCTURE
 TOWN OF ADDISON, TEXAS

Hui11-Zollars, Inc./Engineering/Architecture
 Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZ1	HZ1	DEM	H: 1"=20' V: 1"=6'	OCT. 97	01-1822-21	W9

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512
 HUI11-ZOLLARS, INC. ENGINEERING/ARCHITECTURE
 DALLAS, FORT WORTH, HOUSTON, EL PASO, PHOENIX, TUSTIN, ONTARIO
 12/18/06



NOTE:
METERS, METER CANS, VAULTS AND BACKFLOW PREVENTION ASSEMBLIES TO BE INSTALLED AND TESTED PER TOWN OF ADDISON GENERAL REQUIREMENTS.

LEGEND

ELECTRIC — O —	48" RCP	EX. STORM SEWER
LIGHT POLE	CHAIN LINK FENCE	WOOD FENCE
POWER POLE	EXISTING ASPHALT	EXISTING DIRT OR GRAVEL
GUY WIRE	EX. CONCRETE	TREE/TREE LINE
TELEPHONE — T —	EXISTING CURB	PROP. CURB
TELEPHONE MANHOLE	PROP. EDGE OF PAVEMENT NO CURB	EX. PROPERTY LINE
TELEPHONE PEDESTAL	PROP. CENTERLINE	PROP. R.O.W.
TELEPHONE SIGN	PROP. INLET	T.P. TOP OF PAVEMENT
GAS — G —	T.C. TOP OF CURB	CR CURB RETURN
GAS METER	EX. G EXISTING GUTTER	EX. T.C. EXISTING TOP OF CURB
GAS SIGN	B-20 BORING LOCATION	EXISTING BRICKS
LAND USE	PAVEMENT REMOVAL	
RAILROAD SIGN		
SIGN		
SURVEY		
FOUND IRON ROD		
BENCHMARK		
WASTEWATER — WW —		
WASTEWATER MANHOLE CLEANOUT		
WATER — W —		
FIRE HYDRANT		
METER		
WATER VALVE		

NOTIFY D.A.R.T. AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. CONTACT JAN SIEDNER AT (214) 749-2917.

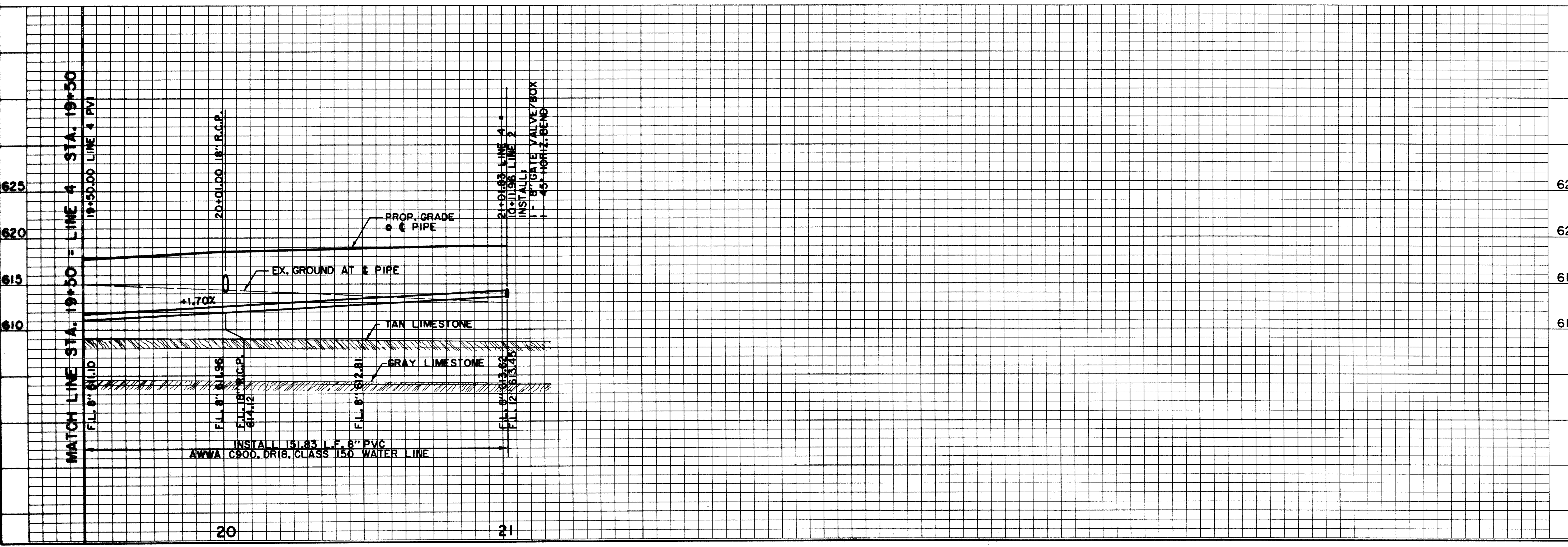
DALLAS AREA RAPID TRANSIT

LINE 4 STA. 21+01.83 =
LINE 2 STA. 10+11.96 =
PAV. STA. 10+11.82
INSTALL:
1 - 8" GATE VALVE/BOX
1 - 8" 45° HORIZONTAL BEND
CONCRETE BLOCKING

CAUTION I:
EXISTING 12" HIGH PRESSURE PETROLEUM. DEPTH MUST BE VERIFIED PRIOR TO ANY CONSTRUCTION WITH EXPLORER REPRESENTATIVE ON SITE. CONTACT JACK PHILLIPS WITH EXPLORER PIPELINE AT THE FOLLOWING NUMBERS:
OFFICE 817-481-4040,
PAGER 817-432-0153,
MOBILE 214-808-3286

CAUTION II:
EXISTING FIBER OPTIC CABLE IN THIS AREA. CONTACT T.E.S.S. ONE CALL AT (800) 344-8337 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. IN CASE OF EMERGENCY CALL SPRINT AT (800) 521-0579.

RECORD DRAWING



BENCHMARKS:
BM#1
"I" CUT AT CENTER BACK OF CURB OF INLET, 190 FEET SOUTH FROM THE CENTERLINE INTERSECTION OF MILDRED STREET, WEST SIDE OF QUORUM DRIVE. ELEV. 621.89
BM#4
"I" CUT AT CENTER OF CURB INLET, 1015 FEET NORTH FROM THE CENTERLINE INTERSECTION OF MILDRED STREET, WEST SIDE OF QUORUM DRIVE. ELEV. 629.36

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512

DATE	DESCRIPTION	REF NO.
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

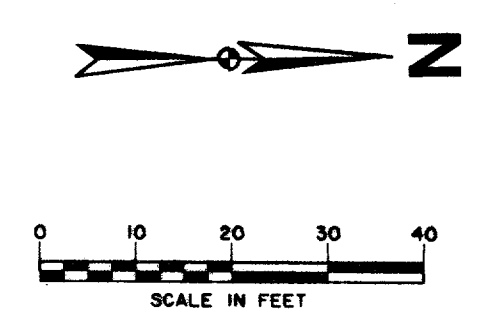
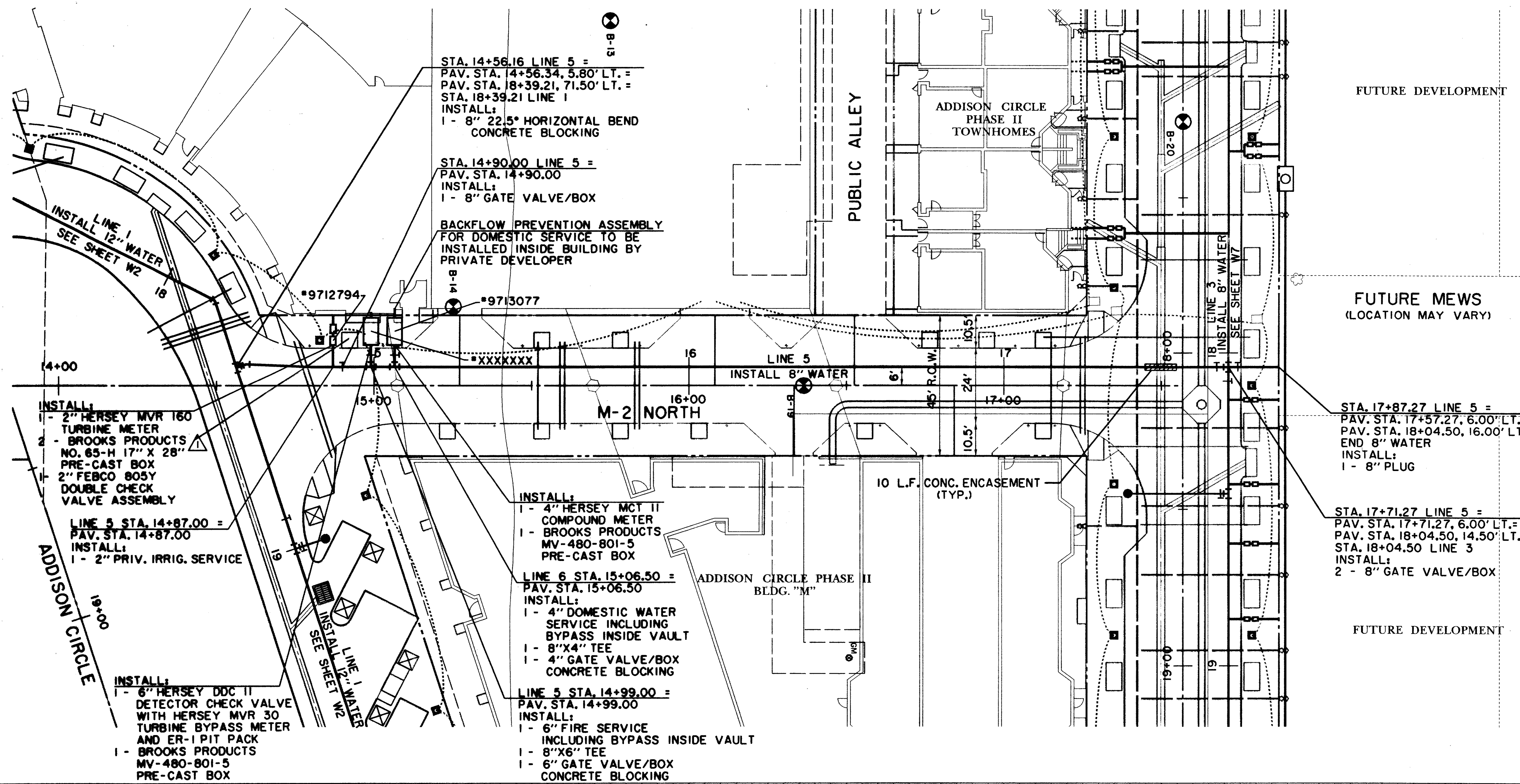
WATER PLAN & PROFILE
LINE 4 - M-3
ADDISON CIRCLE
PHASE II PUBLIC INFRASTRUCTURE
TOWN OF ADDISON, TEXAS

Huitt-Zollars, Inc./Engineering/Architecture
Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZ1	HZ1	DEM	H:V = 20':1"	OCT. 97	01-1822-21	WIO

PROJECT NO. 01-1822-21
 SHEET NO. 20 OF 21
 DATE: 10/3/97
 DRAWN BY: HZ1
 CHECKED BY: DEM
 APPROVED BY: [Signature]
 HUIITT-ZOLLARS, INC.
 1000 WEST WILSON AVENUE, SUITE 100
 DALLAS, TEXAS 75203

ADDISON CIRCLE PHASE II
BLDG. "N"

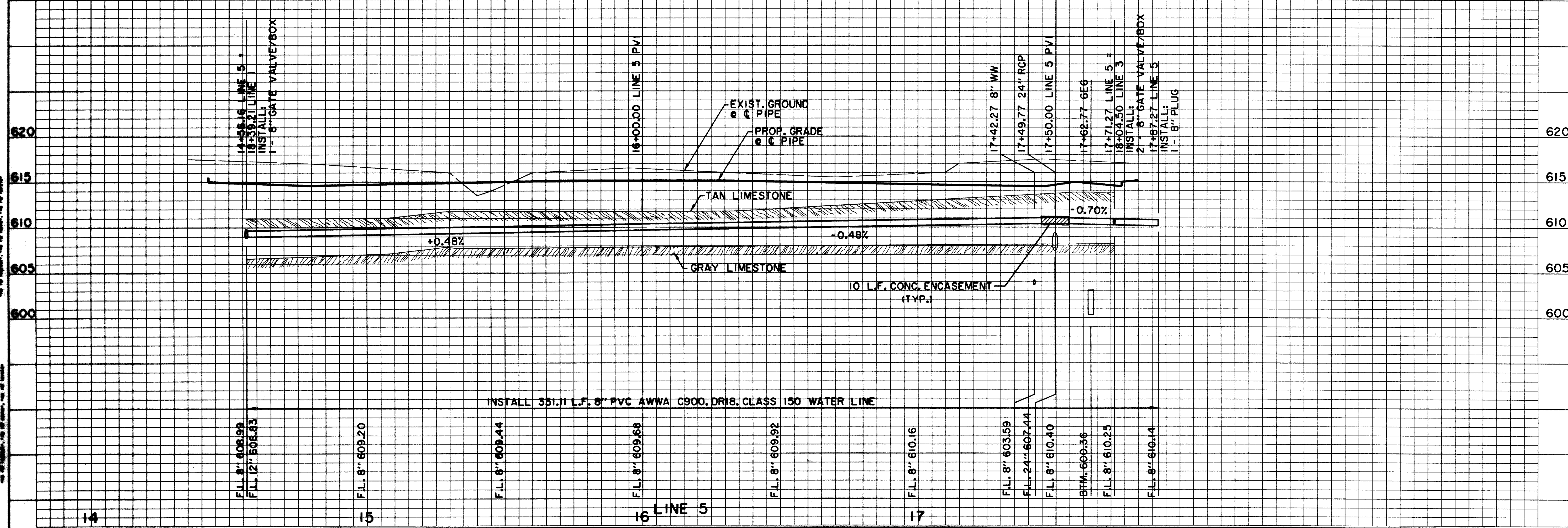


NOTE:
METERS, METER CANS, VAULTS AND BACKFLOW PREVENTION ASSEMBLIES TO BE INSTALLED AND TESTED PER TOWN OF ADDISON GENERAL REQUIREMENTS.

LEGEND

ELECTRIC — OE —	MISC.
○ LIGHT POLE	48" RCP
PPR POWER POLE	EX. STORM SEWER
— GUY WIRE	CHAIN LINK FENCE
TELEPHONE — T —	WOOD FENCE
TELEPHONE MANHOLE	EXISTING ASPHALT
TELEPHONE PEDESTAL	EXISTING DIRT OR GRAVEL
TELEPHONE SIGN	EX. CONCRETE
GAS — G —	TREE/TREE LINE
GAS METER	EXISTING CURB
GAS SIGN	PROP. CURB
LAND USE	PROP. EDGE OF PAVEMENT NO CURB
RAILROAD SIGN	EX. PROPERTY LINE
SIGN	PROP. CENTERLINE
SURVEY	PROP. R.O.W.
FOUND IRON ROD	PROP. INLET
BENCHMARK	T.P.
WASTEWATER — WW —	T.C.
WASTEWATER MANHOLE	TOP OF CURB
CLEANOUT	CR
WATER — W —	EX. G
FIRE HYDRANT	EXISTING TOP OF CURB
METER	B-20
WATER VALVE	BORING LOCATION
	EXISTING BRICKS
	PAVEMENT REMOVAL

RECORD DRAWING



BENCHMARKS:

BM#1
"C" CUT AT CENTER BACK OF CURB OF INLET, 190 FEET SOUTH FROM THE CENTERLINE INTERSECTION OF MILDRED STREET, WEST SIDE OF QUORUM DRIVE.
ELEV. 621.89

BM#4
"C" CUT AT CENTER OF CURB INLET, 1015 FEET NORTH FROM THE CENTERLINE INTERSECTION OF MILDRED STREET, WEST SIDE OF QUORUM DRIVE.
ELEV. 629.36

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512

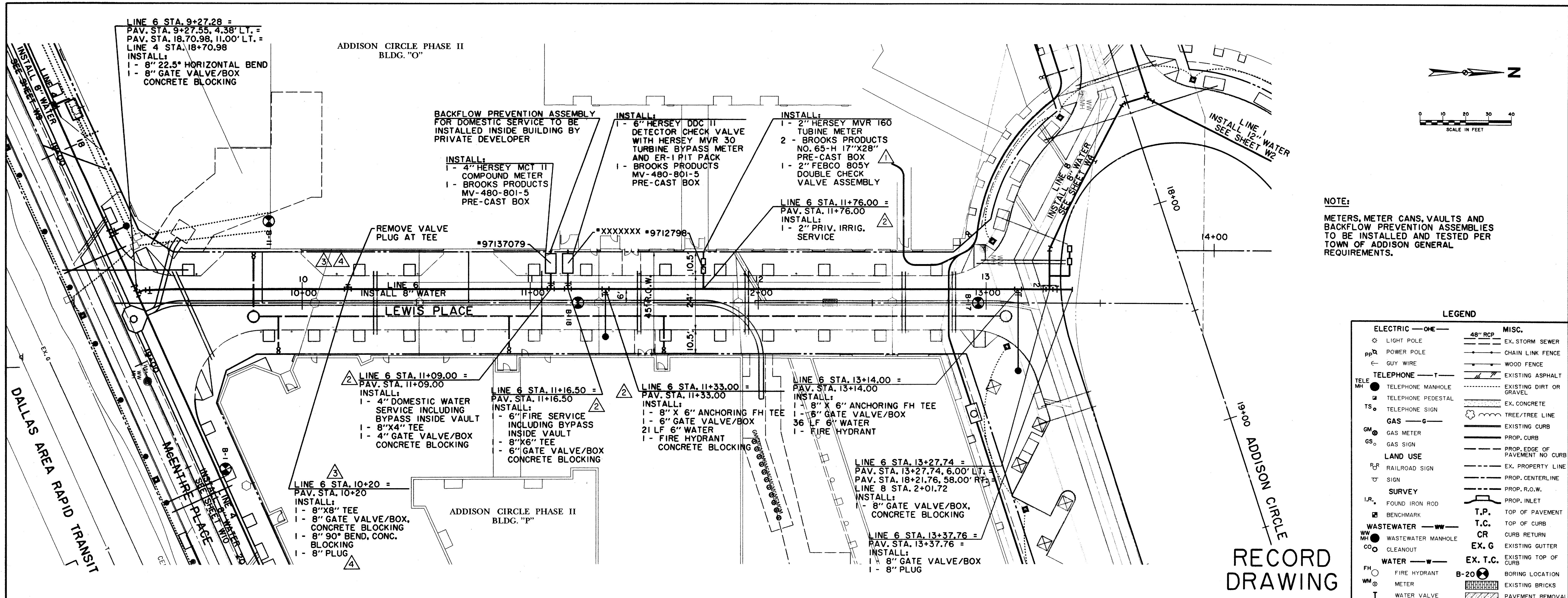
DATE	DESCRIPTION	REF NO.
10/3/97	ISSUED FOR CONSTRUCTION	N/A
8/4/97	ADDENDUM NO. 1	△
7/14/97	ISSUED FOR BID	N/A

WATER PLAN & PROFILE
LINE 5 - M-2 NORTH

ADDISON CIRCLE
PHASE II PUBLIC INFRASTRUCTURE
TOWN OF ADDISON, TEXAS

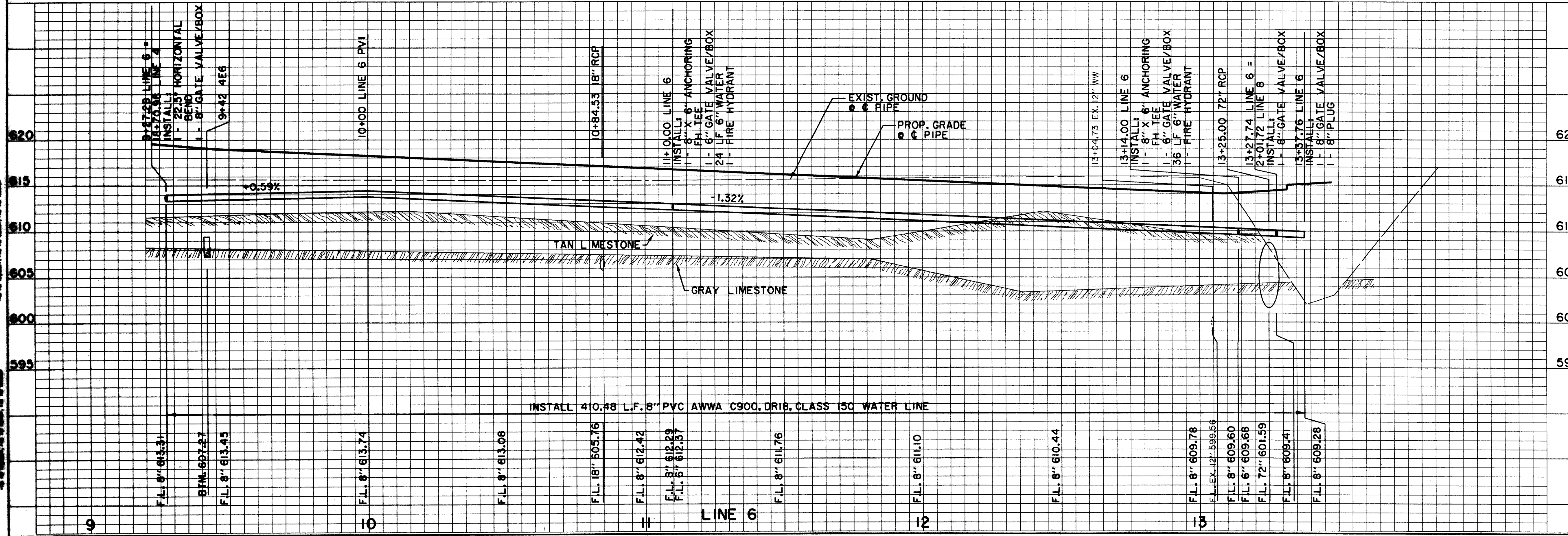
Huitt-Zollars, Inc./Engineering/Architecture
Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZ1	HZ1	DEM	H: 1"=20' V: 1"=6'	OCT. 97	01-1822-21	W11



NOTE:
 METERS, METER CANS, VAULTS AND BACKFLOW PREVENTION ASSEMBLIES TO BE INSTALLED AND TESTED PER TOWN OF ADDISON GENERAL REQUIREMENTS.

RECORD DRAWING



BENCHMARKS:

BM#1
 "C" CUT AT CENTER BACK OF CURB OF INLET, 190 FEET SOUTH FROM THE CENTERLINE INTERSECTION OF MILBRED STREET, WEST SIDE OF QUORUM DRIVE. ELEV. 621.89

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512

DAVID E. MEYERS
 81512
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF TEXAS
 12/15/98

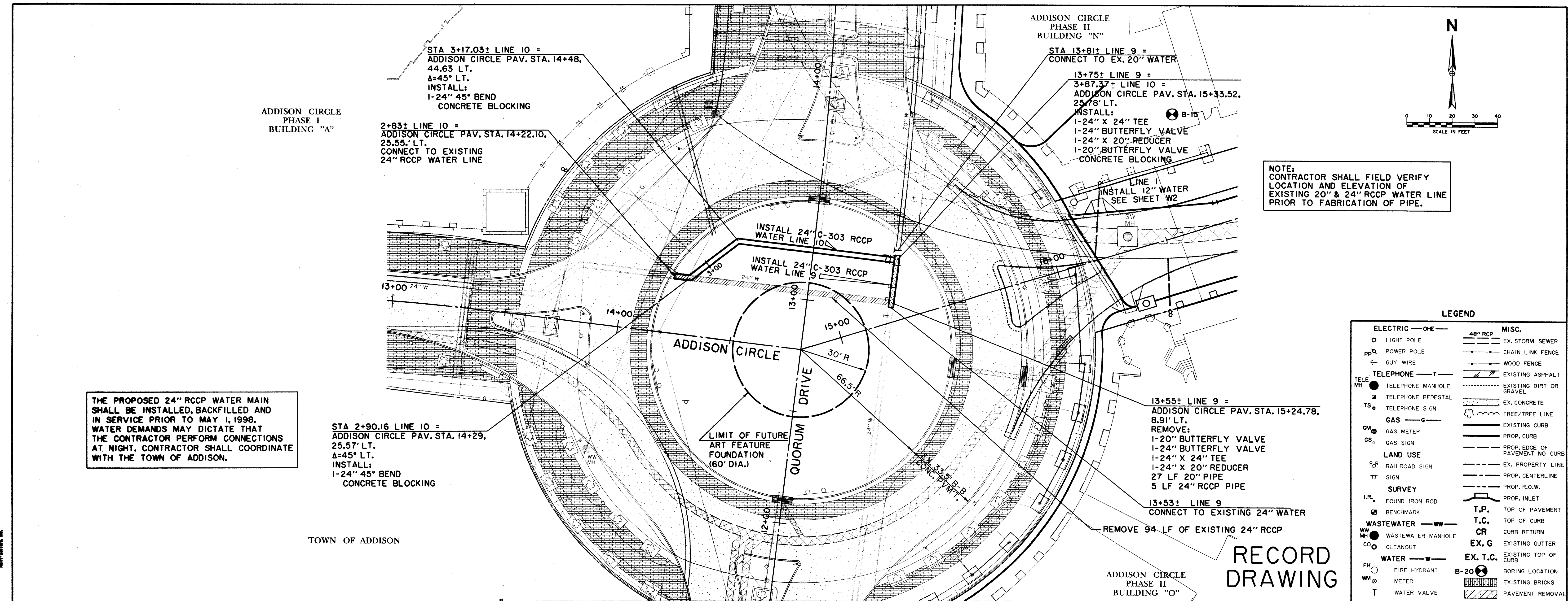
620		
615		
610		
605		
600	1/6/98 DELETED FIRE SERVICE FOR GARAGE	4
	11/10/97 ADDED FIRE SERVICE FOR GARAGE	3
	11/15/97 REVISED FIRE, DOMESTIC, IRRIGATION SERVICE & F.H. LOCATIONS	2
	10/3/97 ISSUED FOR CONSTRUCTION	N/A
	8/4/97 ADDENDUM NO. 1	N/A
595	7/14/97 ISSUED FOR BID	N/A

WATER PLAN & PROFILE
LINE 6 - LEWIS PLACE
ADDISON CIRCLE
PHASE II PUBLIC INFRASTRUCTURE
TOWN OF ADDISON, TEXAS

Huttl-Zollars, Inc./Engineering/Architecture
 Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario

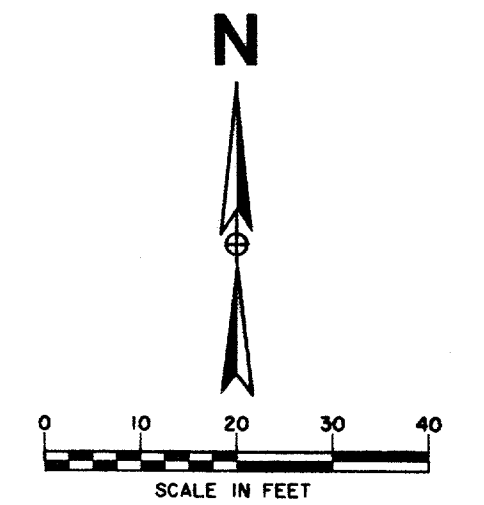
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	H ₁ 1"=20' V ₁ 1"=6'	OCT. 97	01-1822-21	W12

h:\proj\01182221\dwg\AUC2\W10.DGN



THE PROPOSED 24" RCCP WATER MAIN SHALL BE INSTALLED, BACKFILLED AND IN SERVICE PRIOR TO MAY 1, 1998. WATER DEMANDS MAY DICTATE THAT THE CONTRACTOR PERFORM CONNECTIONS AT NIGHT. CONTRACTOR SHALL COORDINATE WITH THE TOWN OF ADDISON.

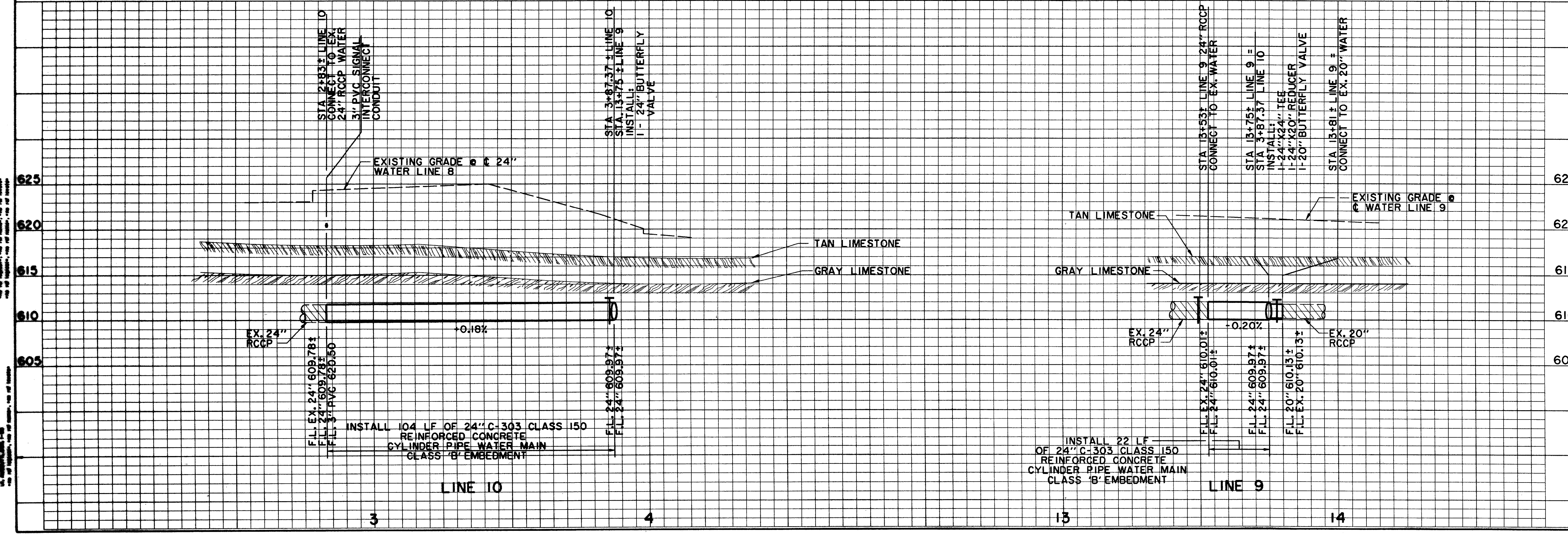
NOTE: CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATION OF EXISTING 20" & 24" RCCP WATER LINE PRIOR TO FABRICATION OF PIPE.



LEGEND

	ELECTRIC — OHE		MISC.
	LIGHT POLE		EX. STORM SEWER
	POWER POLE		CHAIN LINK FENCE
	GUY WIRE		WOOD FENCE
	TELEPHONE WIRE		EXISTING ASPHALT
	TELEPHONE MANHOLE		EXISTING DIRT OR GRAVEL
	TELEPHONE PEDESTAL		EX. CONCRETE
	TELEPHONE SIGN		TREE/TREE LINE
	GAS		EXISTING CURB
	GAS METER		PROP. CURB
	GAS SIGN		PROP. EDGE OF PAVEMENT NO. CURB
	LAND USE		EX. PROPERTY LINE
	RAILROAD SIGN		PROP. CENTERLINE
	SIGN		PROP. R.O.W.
	SURVEY		PROP. INLET
	FOUND IRON ROD		T.P.
	BENCHMARK		T.C.
	WASTEWATER		CR
	WASTEWATER MANHOLE		EX. G
	CLEANOUT		EX. T.C.
	WATER		B-20
	FIRE HYDRANT		EXISTING BRICKS
	METER		PAVEMENT REMOVAL
	WATER VALVE		

RECORD DRAWING



BENCHMARKS:

BM#1
"I" CUT AT CENTER BACK OF CURB OF INLET, 190 FEET SOUTH FROM THE CENTERLINE INTERSECTION OF ADDISON CIRCLE, WEST SIDE OF QUORUM DRIVE. ELEV. 621.89

BM#4
"I" CUT AT CENTER OF CURB INLET, 1015 FEET NORTH FROM THE CENTERLINE INTERSECTION OF ADDISON CIRCLE, WEST SIDE OF QUORUM DRIVE. ELEV. 629.36

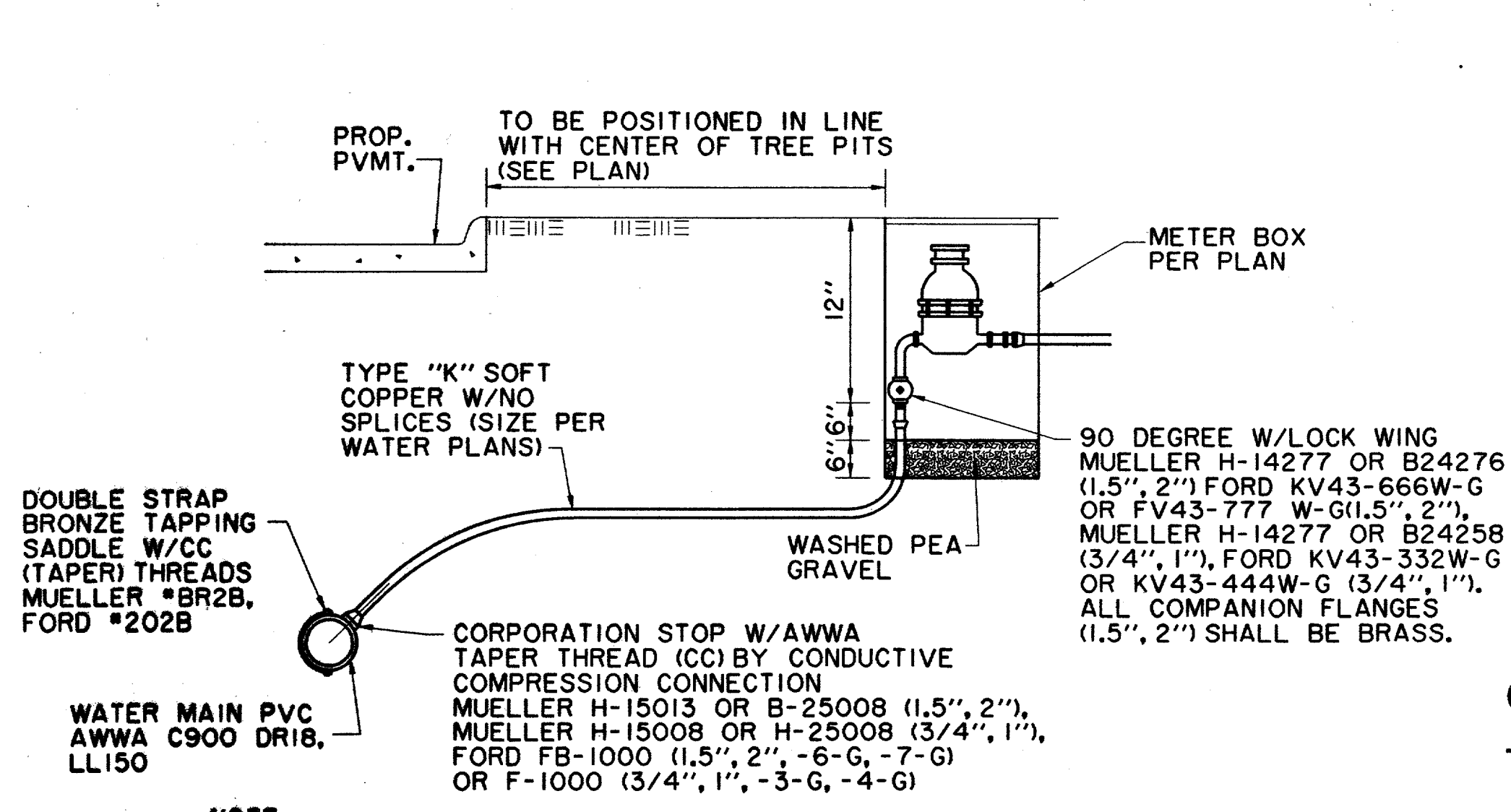
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512

DATE	DESCRIPTION	REF. NO.
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

WATER PLAN & PROFILE
LINES 9 & 10
ADDISON CIRCLE
PHASE II PUBLIC INFRASTRUCTURE
TOWN OF ADDISON, TEXAS

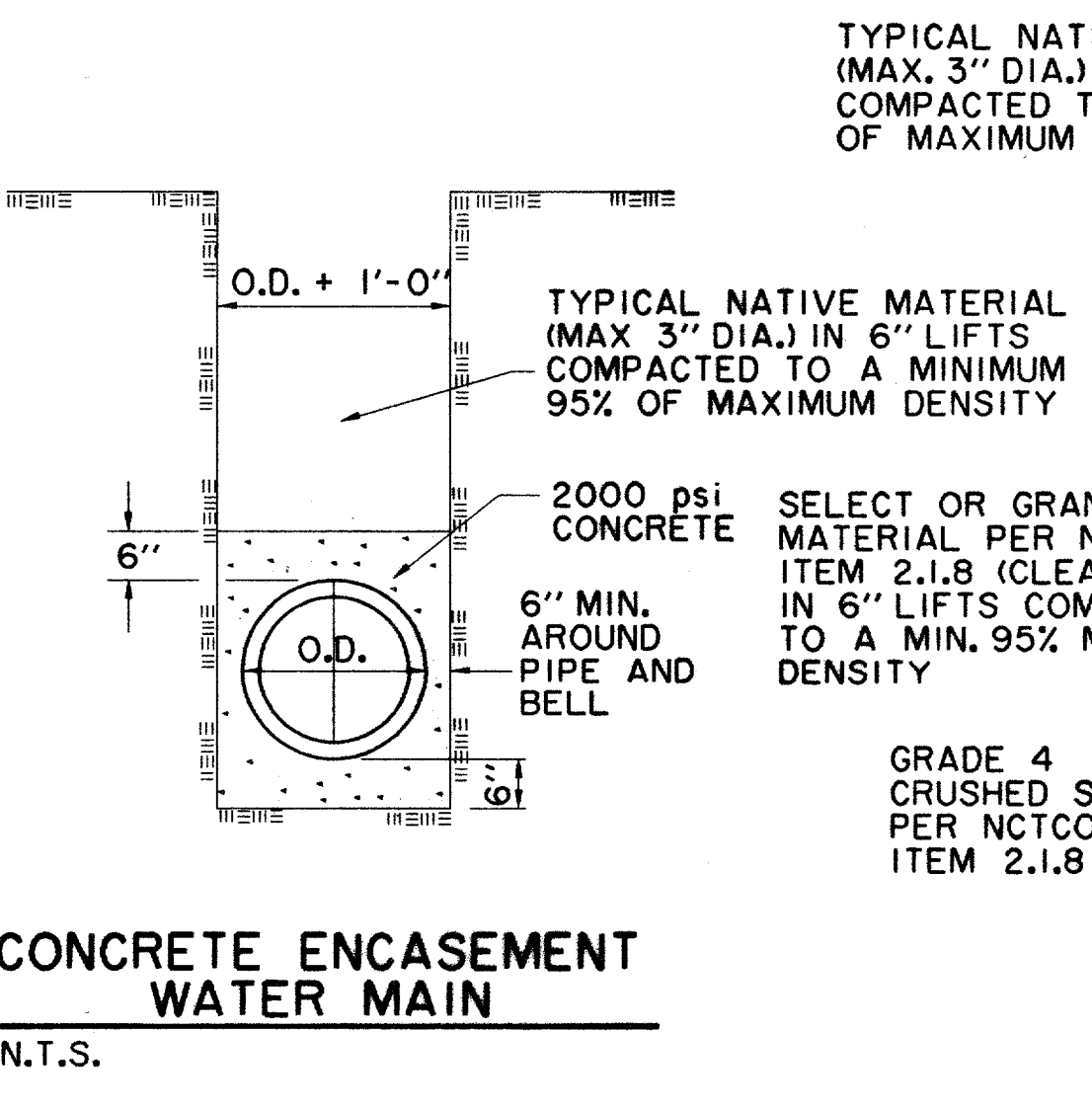
Huitt-Zollars, Inc./Engineering/Architecture
Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	H ₁ 1"=20' V ₁ 1"=6'	OCT. 97	01-1822-21	W13

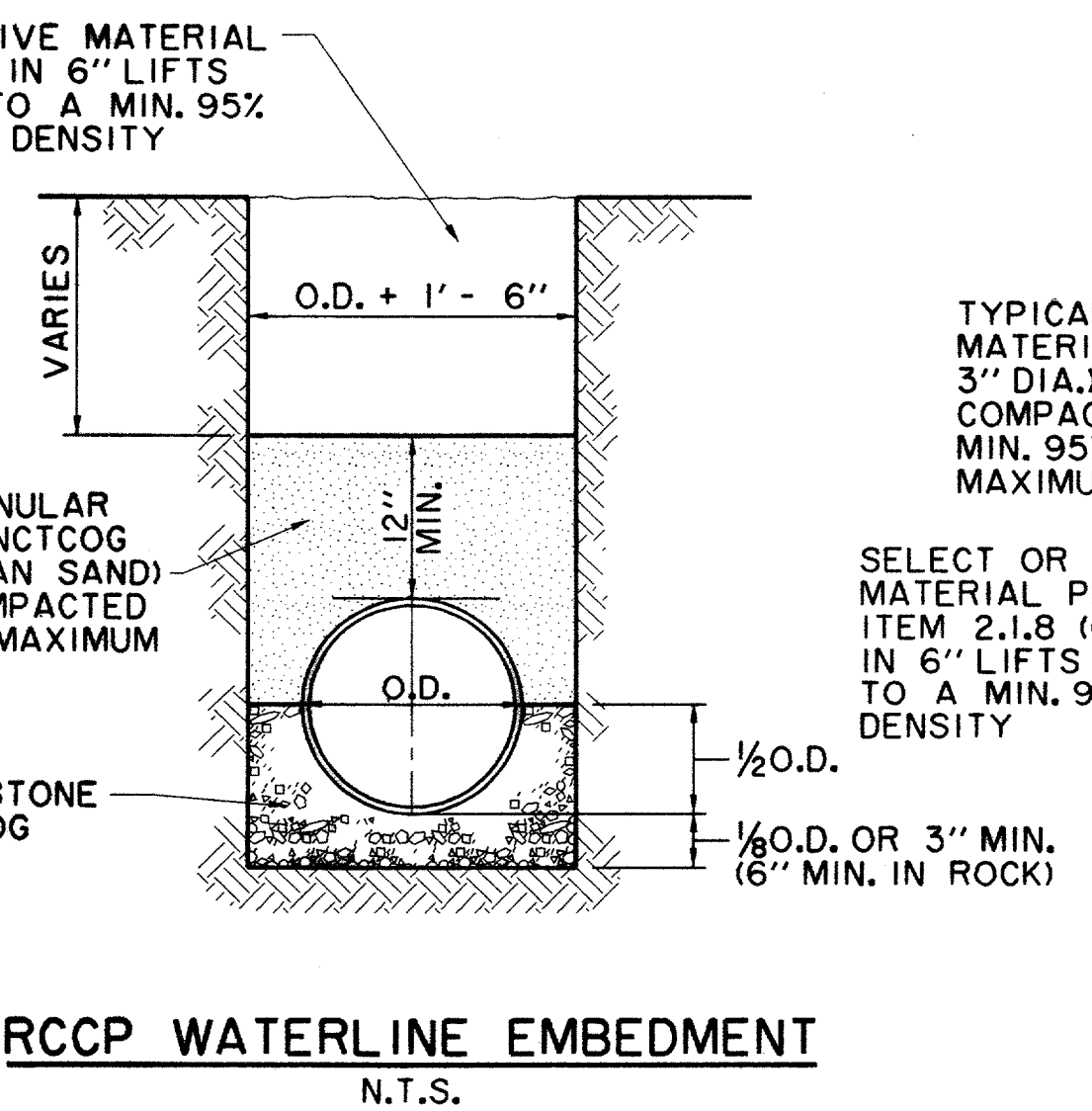


NOTE:
THE TAPPING SADDLE AND CORPORATION STOP MUST BE POLY-WRAPPED (8 MIL) AND HAND BACKFILLED WITH SAND TO A DEPTH OF 12". CAUTION!! INSPECTION MUST BE CALLED FOR AND COMPLETED PRIOR TO BACKFILL OR TAP MUST BE RE-EXPOSED BY THE CONTRACTOR FOR INSPECTION BY THE TOWN.

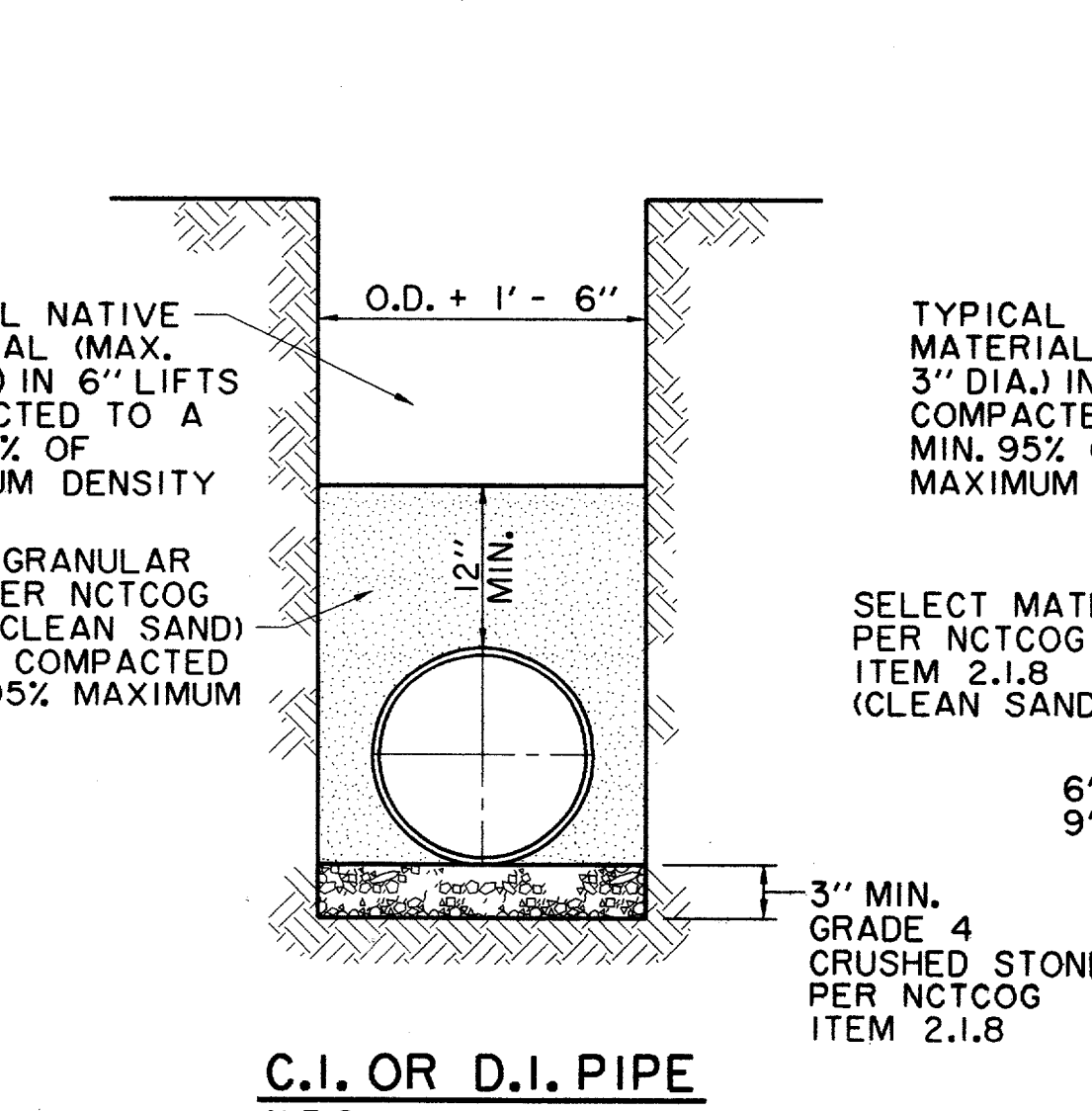
TYPICAL WATER SERVICE DETAIL UP TO 2" METER
N.T.S.



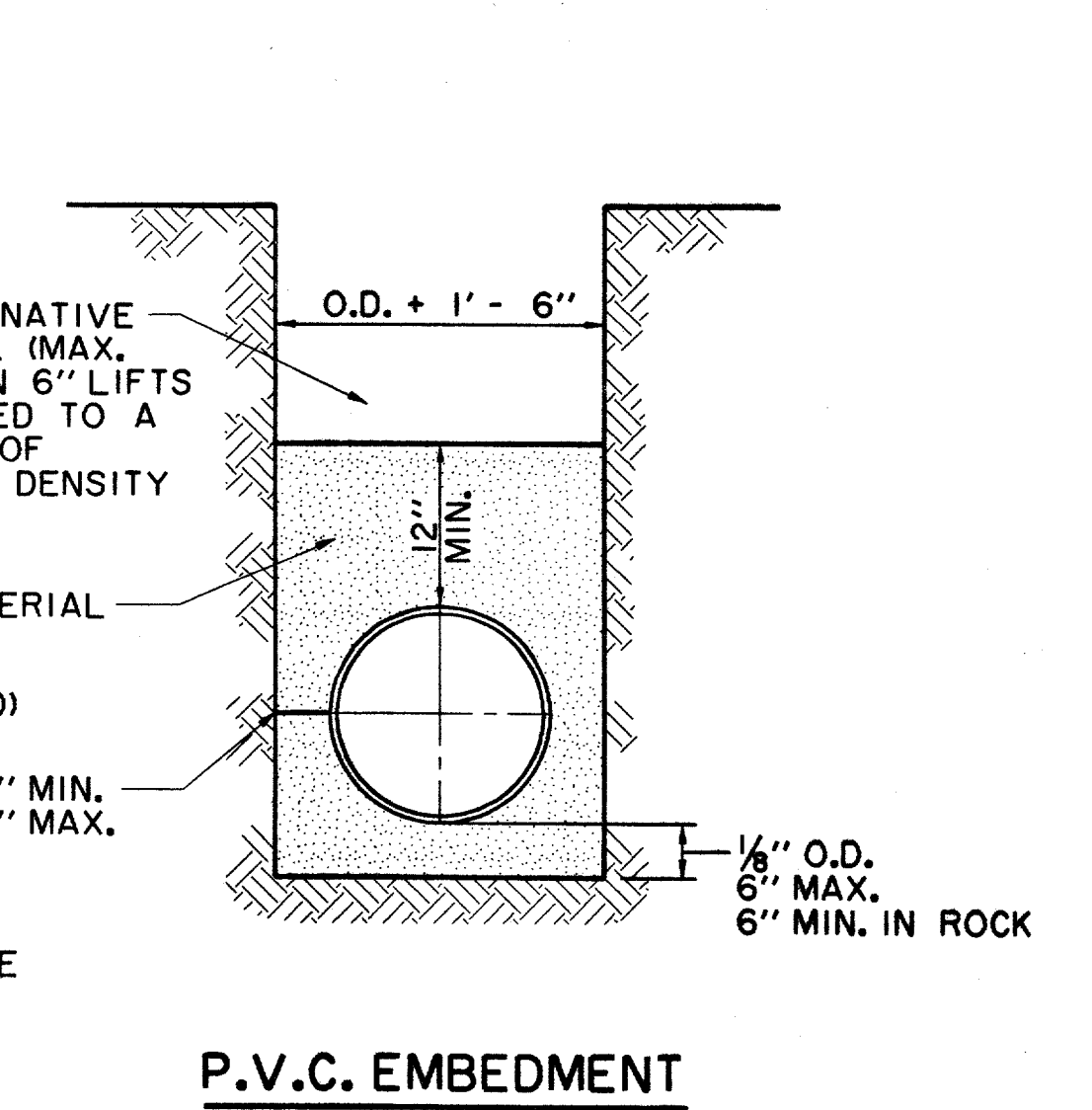
CONCRETE ENCASEMENT WATER MAIN
N.T.S.



RCCP WATERLINE EMBEDMENT
N.T.S.

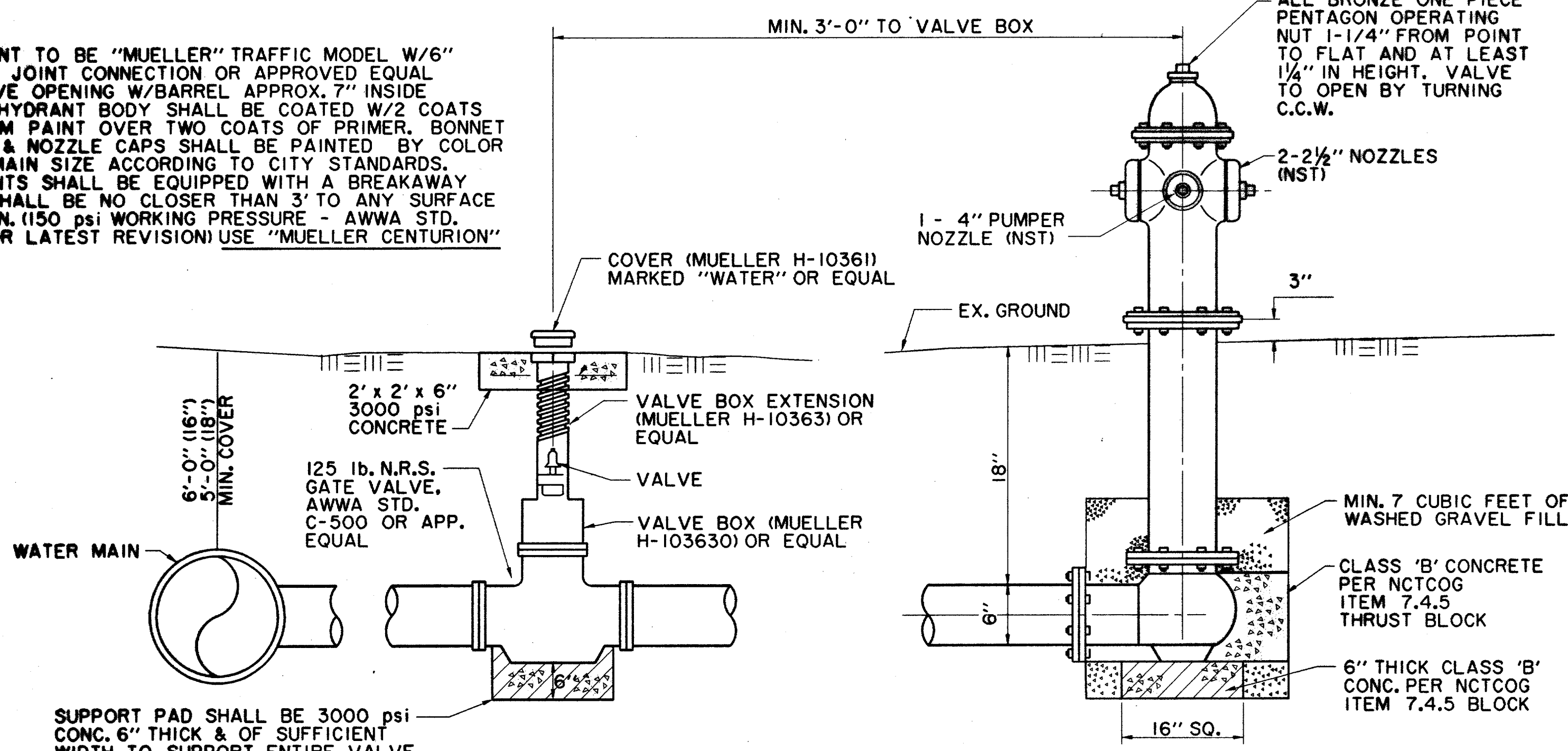


C.I. OR D.I. PIPE
N.T.S.



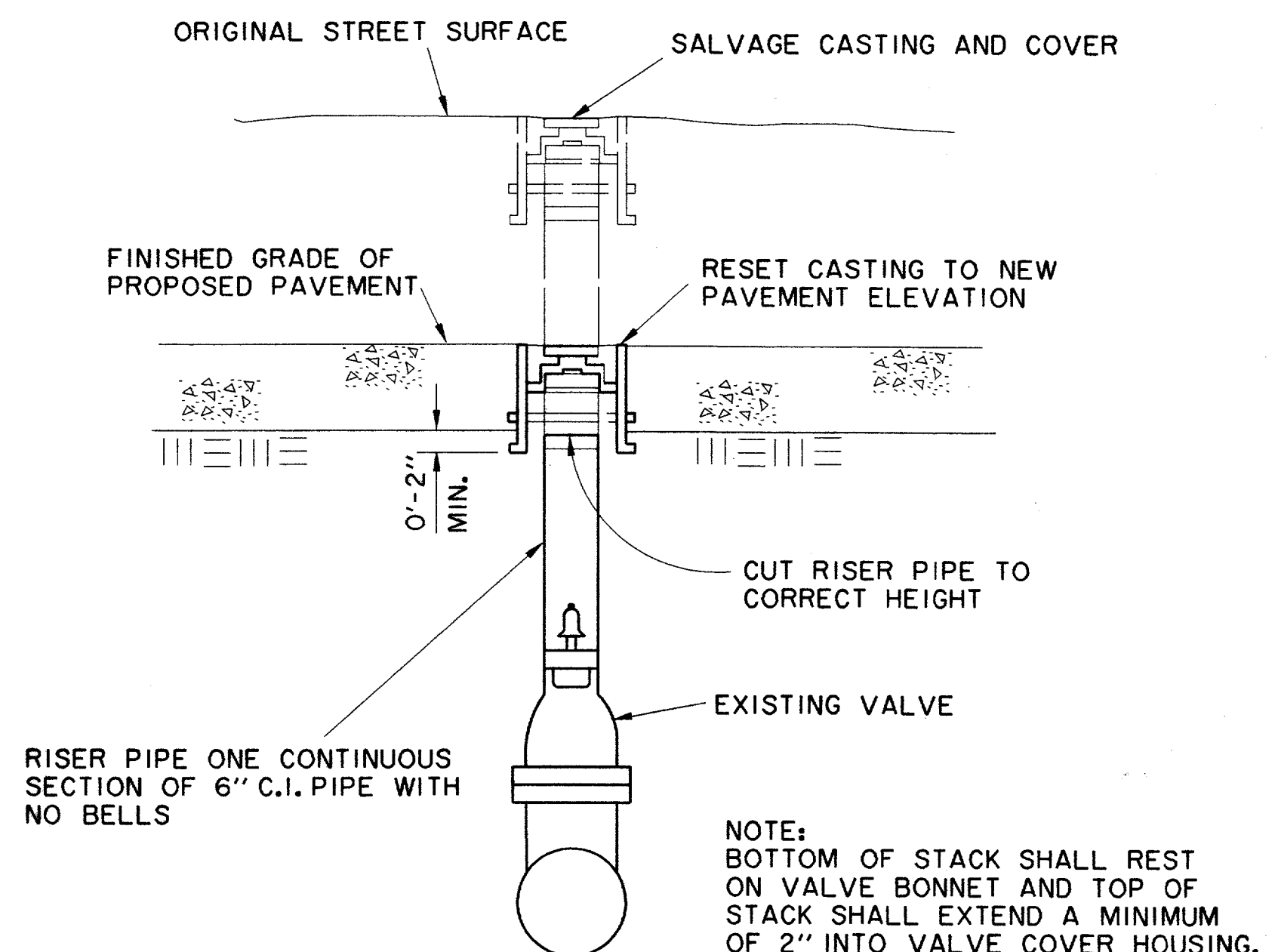
P.V.C. EMBEDMENT
N.T.S.

FIRE HYDRANT TO BE "MUELLER" TRAFFIC MODEL W/6" MECHANICAL JOINT CONNECTION OR APPROVED EQUAL W/5/8" VALVE OPENING W/BARREL APPROX. 7" INSIDE DIAMETER. HYDRANT BODY SHALL BE COATED W/2 COATS OF ALUMINUM PAINT OVER TWO COATS OF PRIMER. BONNET TO FLANGE & NOZZLE CAPS SHALL BE PAINTED BY COLOR CODE FOR MAIN SIZE ACCORDING TO CITY STANDARDS. ALL HYDRANTS SHALL BE EQUIPPED WITH A BREAKAWAY FLANGE & SHALL BE NO CLOSER THAN 3' TO ANY SURFACE OBSTRUCTION. (150 PSI WORKING PRESSURE - AWWA STD. C-502-73 OR LATEST REVISION) USE "MUELLER CENTURION"

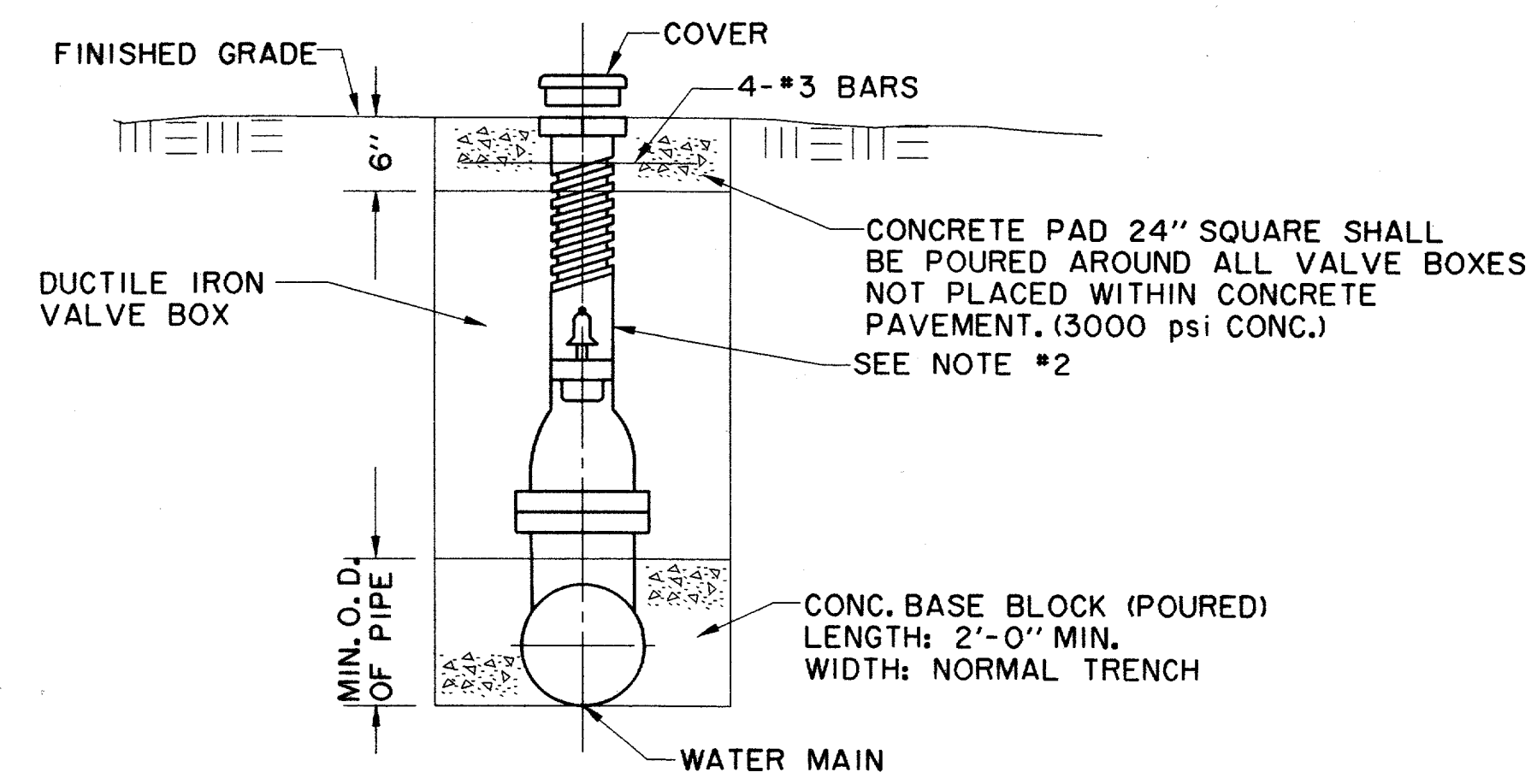


TYPICAL FIRE HYDRANT INSTALLATION
N.T.S.

- GENERAL NOTES:**
1. C. OF F.H. BARREL SHALL BE NOT LESS THAN 6.0' OR MORE THAN 9.0' FROM BACK OF CURB OR EDGE OF DRIVING LANE.
 2. DO NOT SET F.H. IN AN EXISTING OR PROPOSED SIDEWALK, UNLESS OTHERWISE NOTED.
 3. ALL F.H. TEES SHALL BE M.J. WITH ANCHORING ON THE BRANCH WITH M.J., M.J. 6" VALVE.
 4. SET F.H. ON THE LOT LINE EXTENDED WHEN POSSIBLE. (NOT APPLICABLE TO THIS PROJECT)
 5. SEE SPECIFICATION FH-95-1 FOR ADDITIONAL REQUIREMENTS.



VALVE COVER AND RISER PIPE ADJUSTMENT
N.T.S.

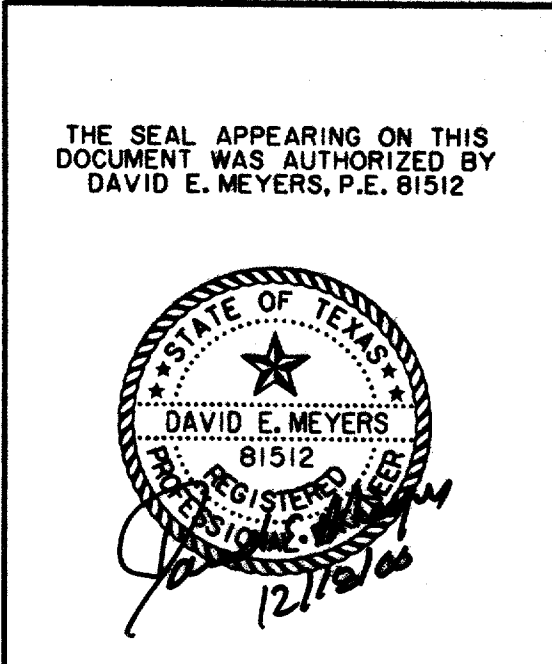


TYPICAL VALVE SETTING AND BOX
N.T.S.

- NOTES:**
1. GATE VALVES SHALL BE IN ACCORDANCE WITH AWWA STANDARD C-509-80 OR LATEST THEREOF. ALL VALVES SHALL BE "MUELLER" OR APPROVED EQUAL.
 2. A PERMANENTLY ATTACHED VALVE EXTENSION STEM SHALL BE REQUIRED FOR ANY VALVE ON WHICH THE OPERATING NUT IS LOCATED IN EXCESS OF 4 FEET BELOW THE TOP OF VALVE BOX. THIS EXTENSION SHALL BE OF SUFFICIENT LENGTH TO INSURE THAT ITS TOP IS WITHIN 4" OF VALVE BOX LID. MANUFACTURED VALVE STACK DUCTILE IRON PIPE TO BE USED FOR EXTENSION GREATER THAN 4'-0". BELL END OF STACK TO BE FITTED OVER VALVE. VALVE AND VALVE STACK IS TO BE POLY WRAPPED.
 3. VALVES SHALL BE OF DUCTILE IRON W/RUBBER ENCAPSULATED DISK. BOLTS SHALL BE STAINLESS STEEL OF SAME SIZE ON EACH VALVE.

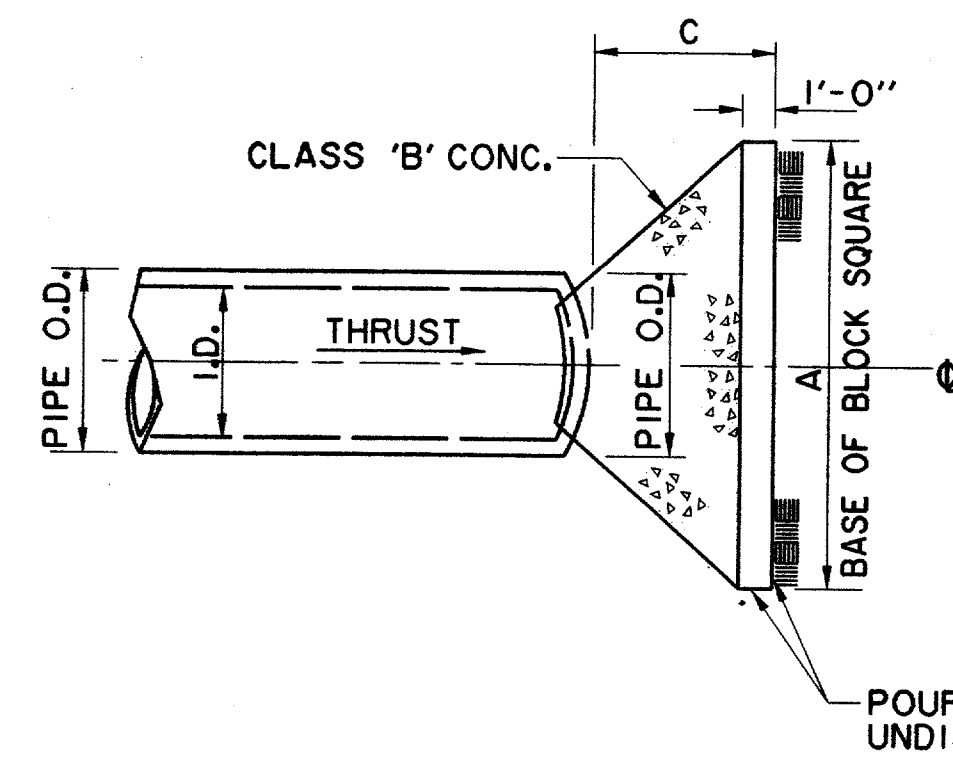
- GATE VALVES AND VALVE BOXES:**
1. GATE VALVES SHALL BE IRON BODY, BRONZE OR BRASS MOUNTED, NON-RISING STEM, PARALLEL SEAT TYPE. VALVES SHALL BE OF EQUAL OR GREATER PRESSURE CLASS THAN THE PIPING IN WHICH THEY ARE TO BE INSTALLED.
 2. VALVE BOXES SHALL BE CAST IRON AND SHALL BE OF SUFFICIENT LENGTH AND DIAMETER TO OPERATE ALL VALVES BURIED IN THE GROUND. COVERS SHALL BE MARKED "WATER". THE BOXES SHALL REST ON THE VALVE AND BE ADJUSTED SO THAT THE COVER MAY SET FLUSH WITH THE FINISHED GRADE.

RECORD DRAWING

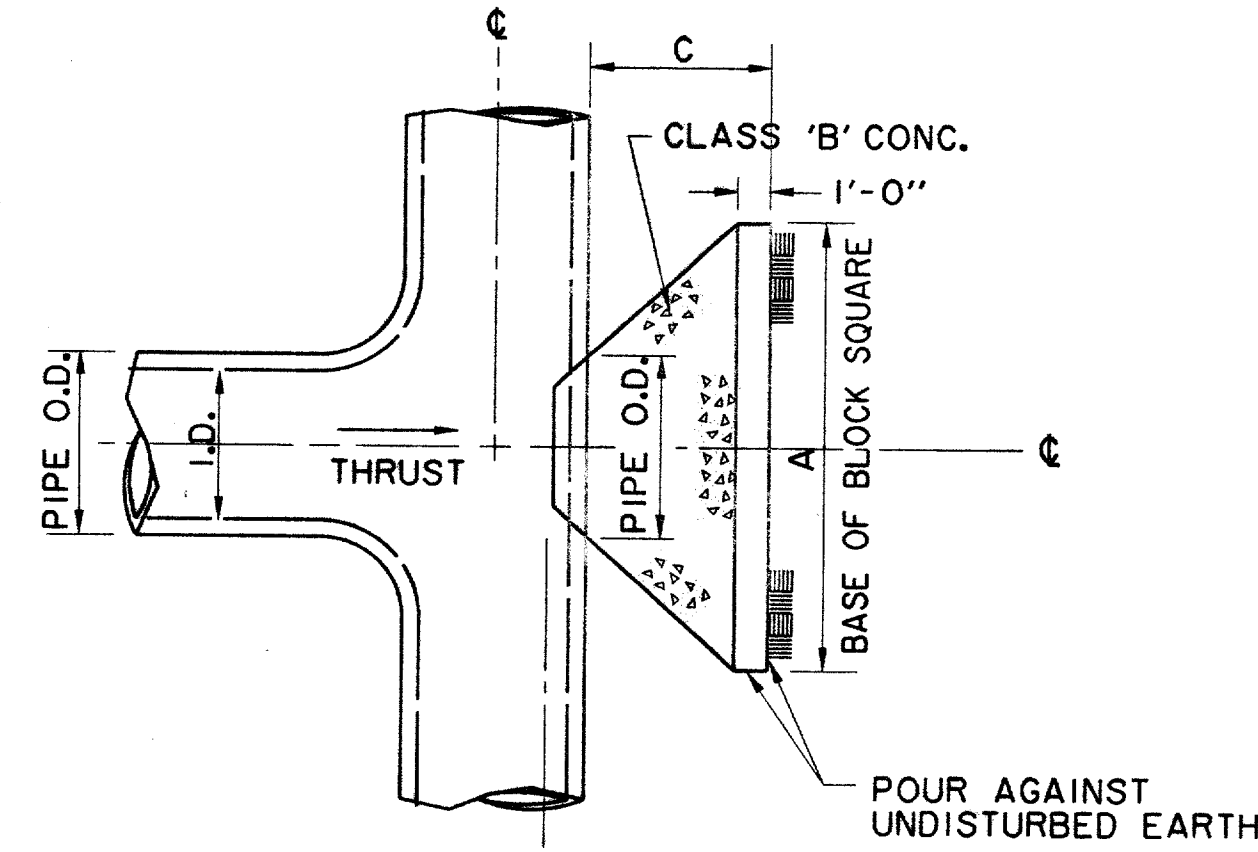


DATE	DESCRIPTION	REF. NO.
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

WATER DETAILS						
ADDISON CIRCLE						
PHASE II PUBLIC INFRASTRUCTURE						
TOWN OF ADDISON, TEXAS						
Hultt-Zollars, Inc./Engineering/Architecture Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario						
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	N.T.S.	OCT. 97	01-1822-21	W14

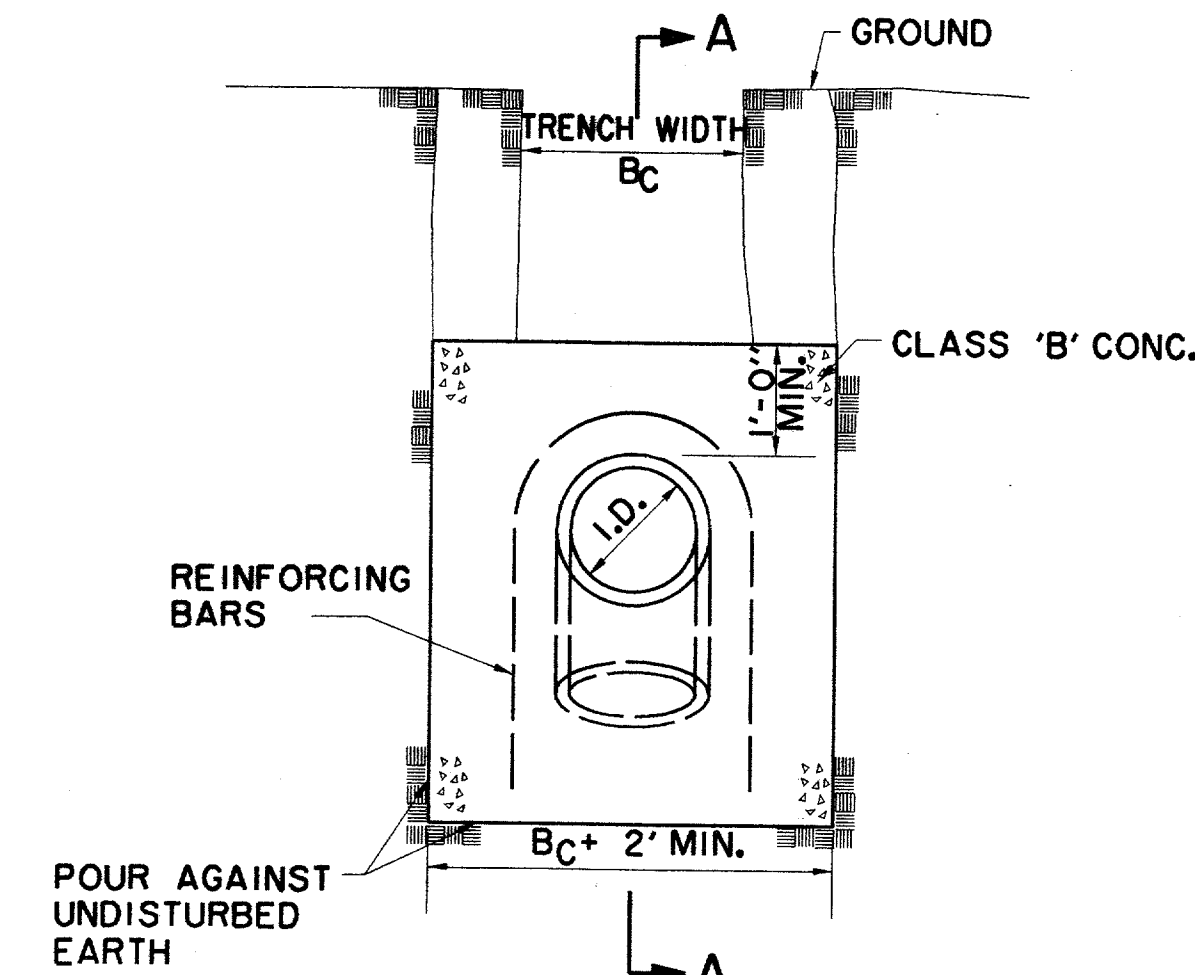


PLAN OF PLUG THRUST BLOCK
N.T.S.

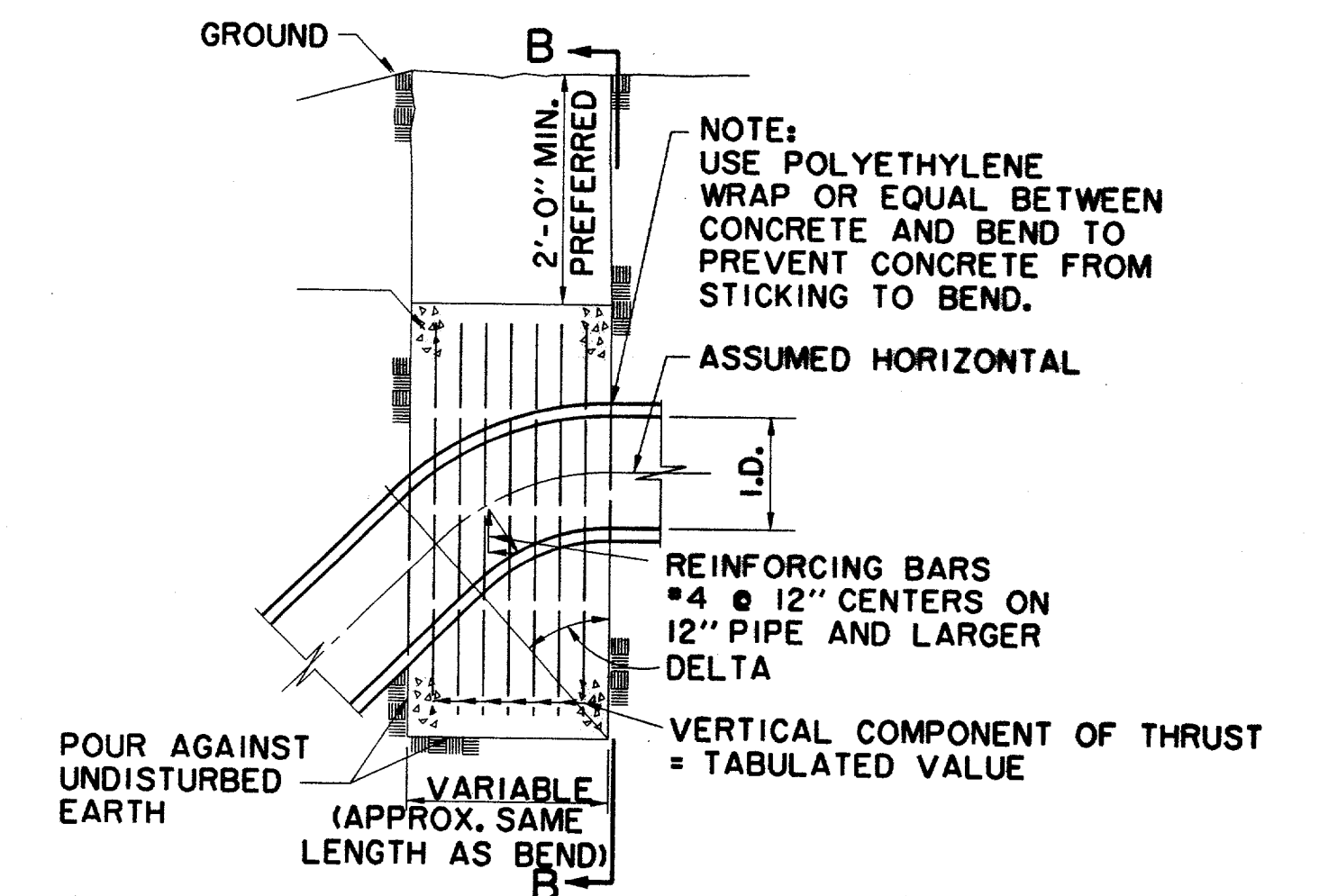


PLAN OF TEE THRUST BLOCK
N.T.S.

I.D. (IN.)	THRUST TONS	C. FT.	EARTH			ROCK		
			A. FT.	B. FT.	VOL. C.Y.	A. FT.	B. FT.	VOL. C.Y.
4, 6, 8	5.1	1.5	2.5	0.3	2.0	0.2		
10, 12	11.3	1.5	3.5	0.6	2.5	0.3		
16, 18	25.5	2.0	5.5	1.6	4.0	0.9		
24	45.2	2.5	7.0	3.1	5.0	1.7		



ELEVATION B-B
N.T.S.



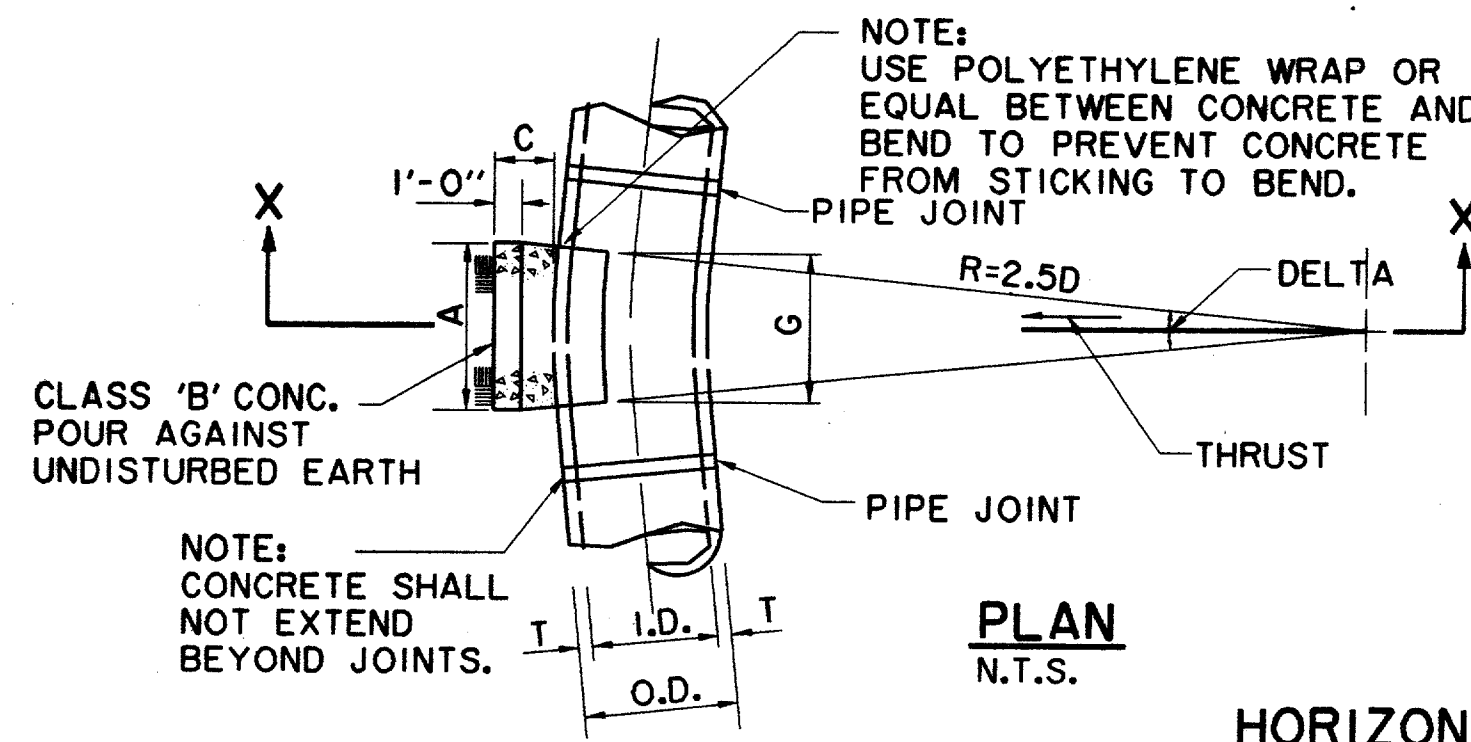
SECTION A-A
N.T.S.

VERTICAL BENDS

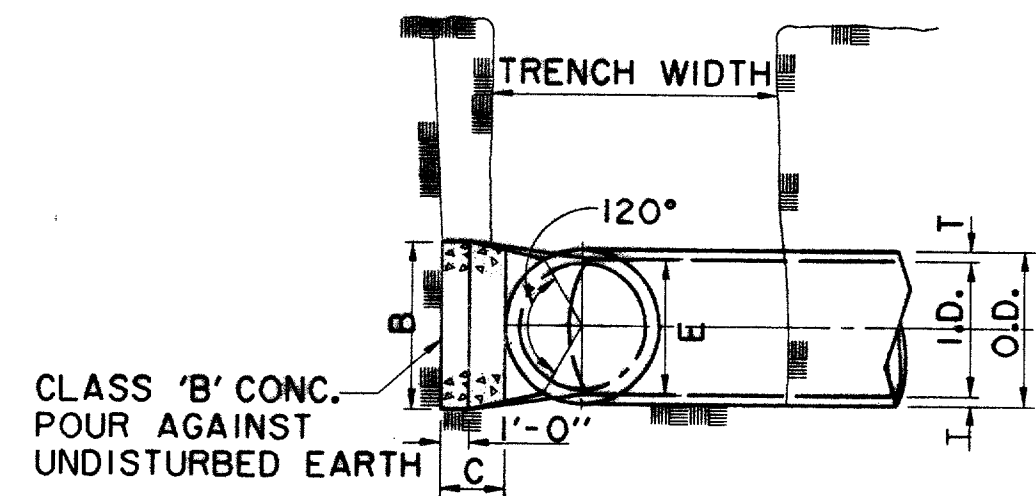
I.D. (IN.)	11.25°		22.50°		30°		45°		67.50°		90°		I.D. (IN.)
	THRUST TONS	VOL. C.Y.	THRUST TONS	VOL. C.Y.	THRUST TONS	VOL. C.Y.	THRUST TONS	VOL. C.Y.	THRUST TONS	VOL. C.Y.	THRUST TONS	VOL. C.Y.	
4, 6, 8	1.0	0.5	2.0	1.0	2.5	1.3	3.6	1.8	4.6	2.3	5.0	2.5	4, 6, 8
10, 12	2.2	1.1	4.3	2.2	5.7	2.8	8.0	4.0	10.5	5.2	11.3	5.7	10, 12
16, 18	5.0	2.5	9.7	4.9	12.7	6.4	18.0	9.0	23.5	11.8	25.5	12.7	16, 18
24	8.2	4.4	17.3	8.7	22.6	11.3	32.0	16.0	41.9	20.9	45.2	22.6	24

GENERAL NOTES FOR ALL THRUST BLOCKS

- ALL CALCULATIONS ARE BASED ON INTERNAL PRESSURE OF 200 P.S.I. FOR 24" I.D. PIPE AND SMALLER AND 150 P.S.I. ON 30" I.D. AND LARGER.
- VOLUMES OF VERTICAL BEND THRUST BLOCKS ARE NET VOLUMES OF CONCRETE TO BE FURNISHED. THE CORRESPONDING WEIGHT OF THE CONCRETE (CLASS F) IS EQUAL TO OR GREATER THAN THE VERTICAL COMPONENT OF THRUST ON THE VERTICAL BEND.
- WALL THICKNESS (T) ASSUMED HERE FOR ESTIMATING PURPOSES ONLY.
- CONCRETE FOR BLOCKING SHALL BE CLASS B CONCRETE.
- DIMENSIONS MAY BE VARIED AS REQUIRED BY FIELD CONDITIONS AND AS DIRECTED BY THE ENGINEER. THE VOLUME OF CONCRETE BLOCKING SHALL NOT BE LESS THAN SHOWN HERE.
- CONCRETE BLOCKING SHALL BE IN PLACE A MINIMUM OF 4 DAYS PRIOR TO TESTING THE PIPELINE.



PLAN
N.T.S.



SECTION X-X
N.T.S.

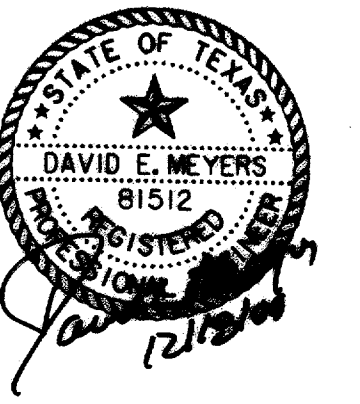
HORIZONTAL BENDS

I.D. (IN.)	T. IN.	C 11.25° FT.	C 22.50°+ FT.	E. FT.	DELTA	11.25°						22.50°						DELTA
						EARTH			ROCK			EARTH			ROCK			
I.D. (IN.)	G. FT.	THRUST TONS	A. FT.	B. FT.	VOL. C.Y.	A. FT.	B. FT.	VOL. C.Y.	G. FT.	THRUST TONS	A. FT.	B. FT.	VOL. C.Y.	A. FT.	B. FT.	VOL. C.Y.	I.D. (IN.)	
4, 6, 8	0.4	1.0	1.0	1.5	0.1	1.0	1.0	0.1	0.8	2.0	1.5	1.5	0.1	1.0	1.0	0.1	4, 6, 8	
10, 12	0.6	2.2	1.5	1.5	0.1	1.0	1.5	0.1	1.1	4.4	2.0	2.5	0.3	1.5	1.5	0.1	10, 12	
16, 18	0.8	5.0	2.0	2.5	0.3	1.5	2.0	0.2	1.6	9.9	3.0	3.5	0.6	2.0	2.5	0.3	16, 18	
24	1.1	8.9	3.0	3.5	0.5	1.5	3.0	0.3	2.2	17.7	4.0	4.5	1.0	3.0	3.5	0.5	24	
DELTA						45°						90°						DELTA
4, 6, 8	0.4	3.9	2.0	2.0	0.2	1.5	1.5	0.1	0.4	5.0	5.0	1.5	0.4	2.0	2.0	0.2	4, 6, 8	
10, 12	0.5	8.7	3.5	2.5	0.5	2.0	2.5	0.3	0.5	6.5	6.5	2.5	1.0	3.5	2.5	0.5	10, 12	
16, 18	0.6	19.5	4.5	4.5	1.2	3.0	3.5	0.6	0.6	9.0	9.0	4.0	2.4	4.5	4.0	1.0	16, 18	
24	0.9	34.6	8.0	4.5	2.3	4.5	4.0	1.1	0.9	14.5	14.5	4.5	5.0	8.0	4.0	2.1	24	

GENERAL NOTES

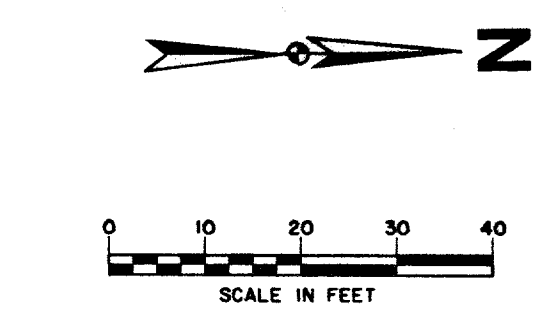
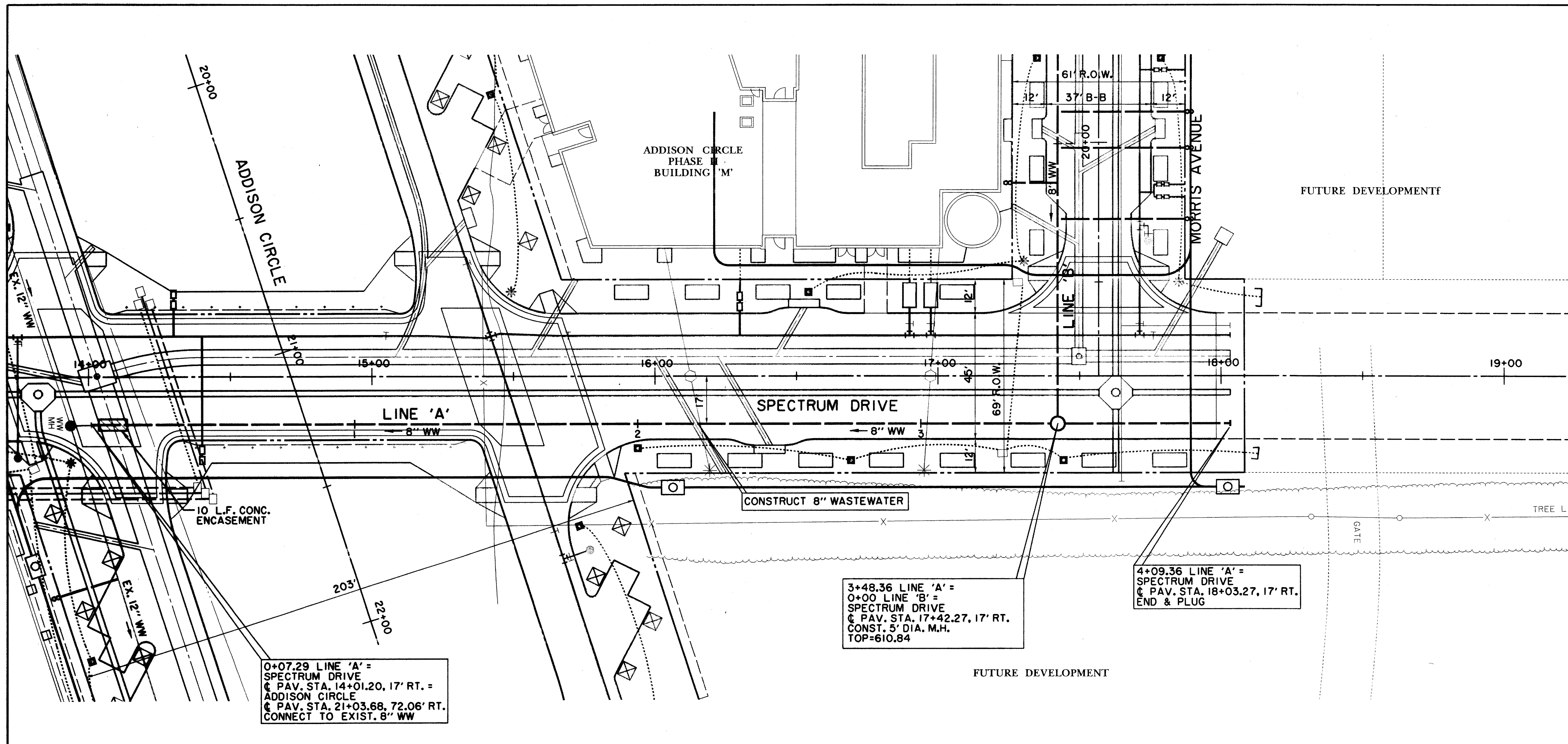
- UNPLASTICIZED POLYVINYL CHLORIDE (PVC) WATER PIPE SHALL MEET OR EXCEED REQUIREMENTS OF AWWA C900 PVC PIPE WITH CAST IRON OUTSIDE DIMENSIONS. PIPE SHALL BE LISTED BY UNDERWRITER LABORATORIES AND SHALL BE APPROVED FOR USE IN CITIES AND TOWNS OF THE STATE OF TEXAS BY THE STATE BOARD OF INSURANCE.
- PVC WATER PIPE SHALL BE FURNISHED WITH A RUBBER RING AT EACH JOINT AND AN INTEGRAL THICKENED BELL AS A PART OF EACH JOINT. THE PIPE CLASS SHALL BE MINIMUM CLASS 150 DR 18 WHICH REFERS TO THE MAXIMUM HYDROSTATIC PRESSURE IN NORMAL OPERATIONS. LAYING LENGTHS SHALL BE 20 FEET +/- . PIPE AND FITTINGS MUST BE ASSEMBLED WITH A NONTOXIC LUBRICANT.
- FITTINGS FOR PVC WATER PIPE SHALL BE GRAY IRON OR DUCTILE IRON OF THE BELL AND SPIGOT, OR MECHANICAL JOINT TYPE AND SHALL BE CLASS 250 IN ACCORDANCE WITH AWWA C110-77 (ANSI.10).
- UNLESS OTHERWISE SPECIFIED ON PLANS OR SHOWN IN PROFILES, PVC WATER PIPE SHALL BE INSTALLED TO CLEAR ALL UTILITY LINES AND SHALL HAVE A MINIMUM COVER OF 36 INCHES BELOW THE LOWEST GRADE OF THE STREET AS PER CITY CODE.
- 4"-12" R S GATE VALVES SHALL BE IN ACCORDANCE WITH AWWA STANDARD C-500.
- A PERMANENTLY ATTACHED VALVE EXTENSION STEM SHALL BE REQUIRED FOR ANY VALVE WHOSE OPERATING NUT IS LOCATED IN EXCESS OF 4 FEET BELOW THE TOP OF VALVE BOX. THIS EXTENSION SHALL BE OF SUFFICIENT LENGTH TO INSURE THAT ITS TOP IS WITHIN 4' OF VALVE BOX LTD.
- DUCTILE IRON OR C-900 PVC PIPE SHALL BE USED FOR VALVE STACKS WITH VALVE BOX CASTING.

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512



RECORD DRAWING

DATE	DESCRIPTION	REF. NO.				
10/3/97	ISSUED FOR CONSTRUCTION	N/A				
7/14/97	ISSUED FOR BID	N/A				
WATER DETAILS						
ADDISON CIRCLE						
PHASE II PUBLIC INFRASTRUCTURE						
TOWN OF ADDISON, TEXAS						
Huitt-Zollers, Inc./Engineering/Architecture Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario						
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	N.T.S.	OCT. 97	01-1822-21	W15



RECORD DRAWING

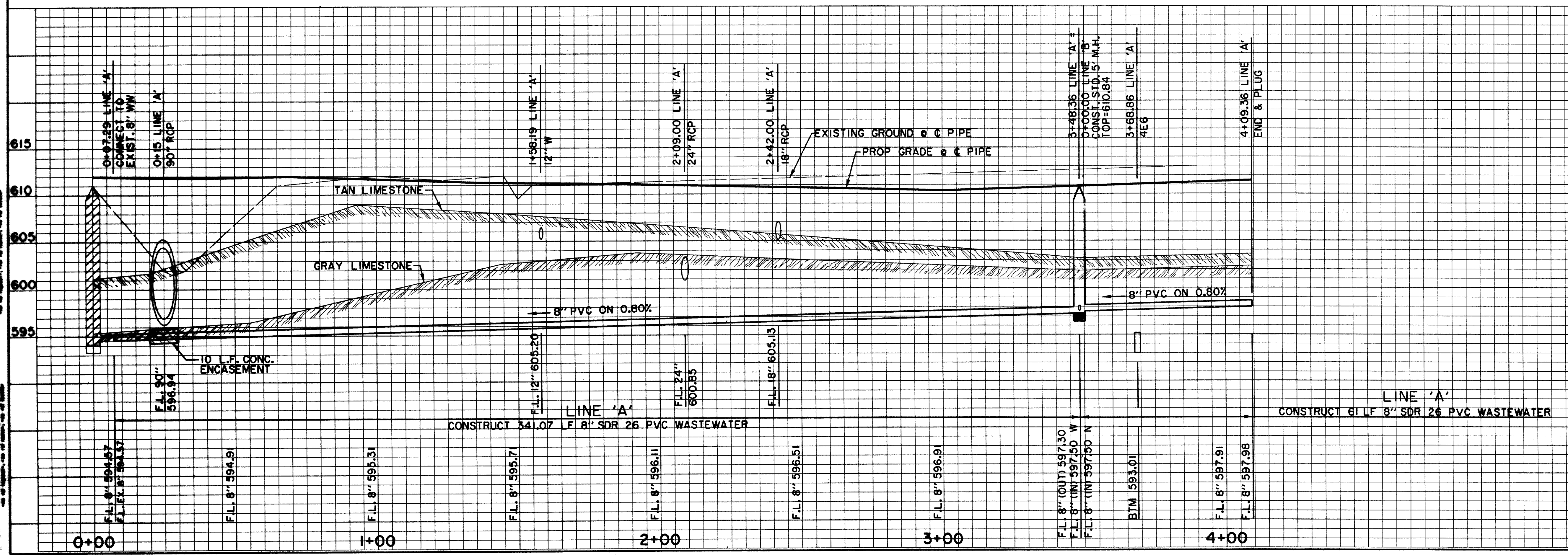
LEGEND

ELECTRIC — OHE —	MISC.
⊙ LIGHT POLE	48" RCP EX. STORM SEWER
PP POWER POLE	— CHAIN LINK FENCE
— GUY WIRE	— WOOD FENCE
TELEPHONE — T —	— EXISTING ASPHALT
TELEPHONE MANHOLE	— EXISTING DIRT OR GRAVEL
TELEPHONE PEDESTAL	— EX. CONCRETE
TELEPHONE SIGN	— TREE/TREE LINE
GAS — G —	— EXISTING CURB
GAS METER	— PROP. CURB
GAS SIGN	— PROP. EDGE OF PAVEMENT NO CURB
LAND USE	— EX. PROPERTY LINE
RAILROAD SIGN	— PROP. CENTERLINE
SIGN	— PROP. R.O.W.
SURVEY	— PROP. INLET
FOUND IRON ROD	— T.P.
BENCHMARK	— T.C.
WASTEWATER — WW —	— CURB RETURN
WASTEWATER MANHOLE	— EX. G
CLEANOUT	— EXISTING GUTTER
WATER — W —	— EX. T.C.
FIRE HYDRANT	— BORING LOCATION
METER	— EXISTING BRICKS
WATER VALVE	— PAVEMENT REMOVAL

0+07.29 LINE 'A' = SPECTRUM DRIVE
 C PAV. STA. 14+01.20, 17' RT. = ADDISON CIRCLE
 C PAV. STA. 21+03.68, 72.06' RT. CONNECT TO EXIST. 8" WW

3+48.36 LINE 'A' = 0+00 LINE 'B' = SPECTRUM DRIVE
 C PAV. STA. 17+42.27, 17' RT. CONST. 5' DIA. M.H. TOP=610.84

4+09.36 LINE 'A' = SPECTRUM DRIVE
 C PAV. STA. 18+03.27, 17' RT. END & PLUG



BENCHMARKS:

BM#1
 '1' CUT AT CENTER BACK OF CURB OF INLET, 190 FEET SOUTH FROM THE CENTERLINE INTERSECTION OF MILDRED STREET, WEST SIDE OF QUORUM DRIVE. ELEV. 621.89

BM#5
 '1' CUT ON NORTHWEST CORNER OF CONC. HDWL. FOR 7'X7' BOX CULVERT UNDER R.R. TRACKS, 180 FEET WEST OF DALLAS PARKWAY SOUTHBOUND. ELEV. 610.49

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512

DATE	DESCRIPTION	REF NO.
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

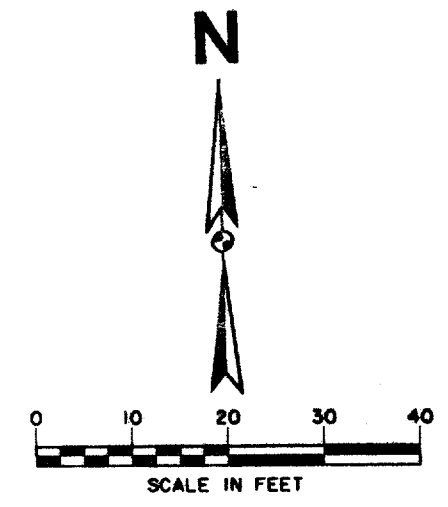
WASTEWATER PLAN & PROFILE
 LINE 'A' - STA. 0+00 TO STA. 3+55.86

ADDISON CIRCLE
 PHASE II PUBLIC INFRASTRUCTURE
 TOWN OF ADDISON, TEXAS

Huitt-Zollars, Inc./Engineering/Architecture
 Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	H: 1"=20' V: 1"=6'	OCT. 97	01-1822-21	WW1

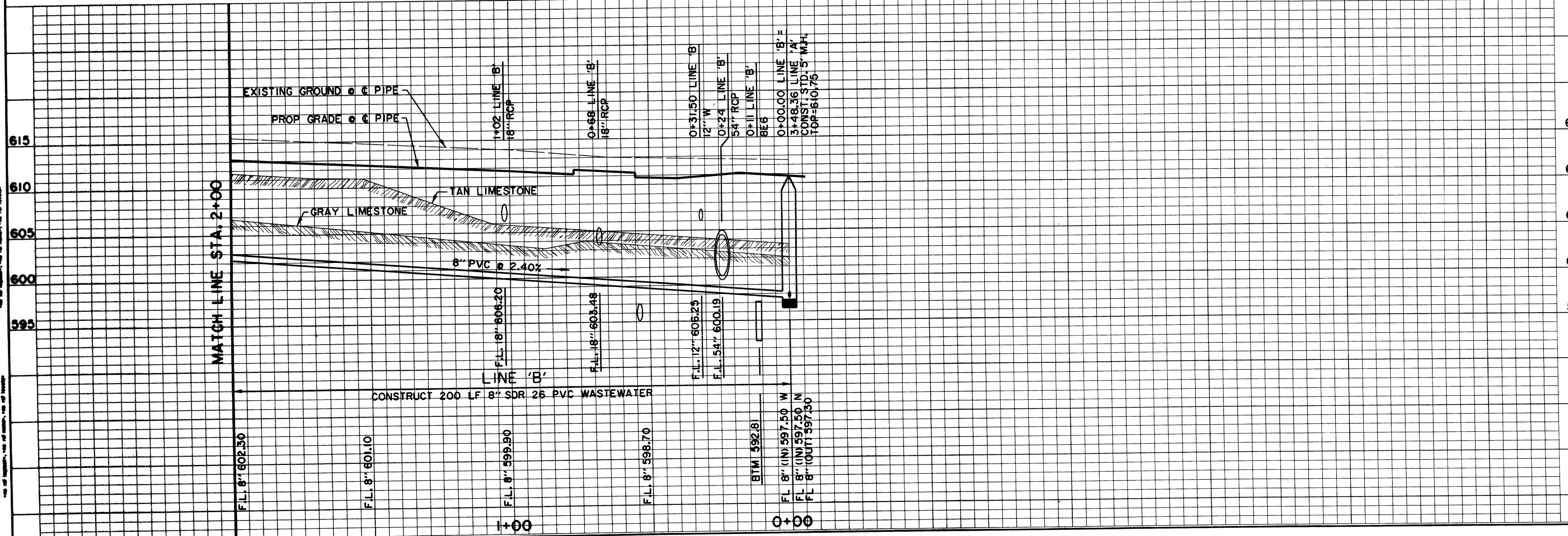
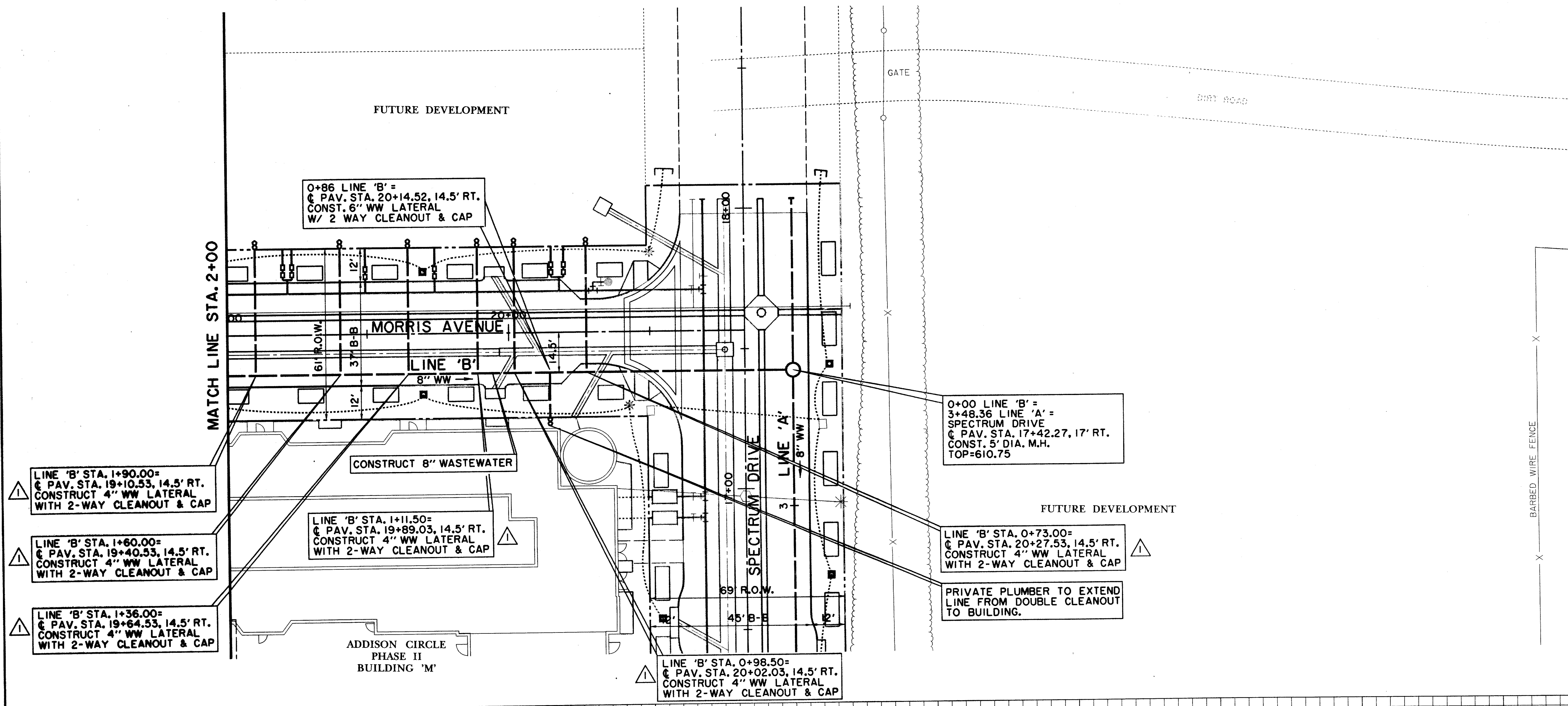
ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND DECIMALS THEREOF.
 ALL UTILITIES SHOWN ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY.
 THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.
 THE TOWN OF ADDISON, TEXAS, IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS RECORD DRAWING.
 DAVID E. MEYERS, P.E. 81512



RECORD DRAWING

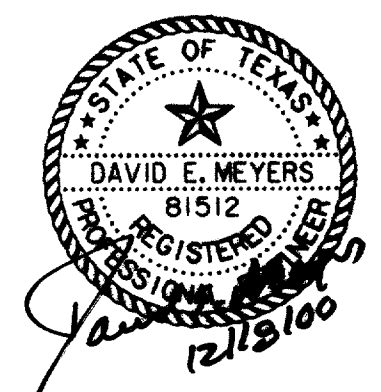
LEGEND

ELECTRIC — O—E	48" RCP	MISC.
○ LIGHT POLE	EX. STORM SEWER	
PPR POWER POLE	CHAIN LINK FENCE	
— GUY WIRE	WOOD FENCE	
TELEPHONE — T—	EXISTING ASPHALT	
● TELEPHONE MANHOLE	EXISTING DIRT OR GRAVEL	
○ TELEPHONE PEDESTAL	EX. CONCRETE	
TS TELEPHONE SIGN	TREE/TREE LINE	
GM GAS METER	EXISTING CURB	
GS GAS SIGN	PROP. EDGE OF PAVEMENT NO CURB	
LAND USE	EX. PROPERTY LINE	
RJR RAILROAD SIGN	PROP. CENTERLINE	
— SIGN	PROP. R.O.W.	
I.R. FOUND IRON ROD	PROP. INLET	
■ BENCHMARK	T.P. TOP OF PAVEMENT	
WASTEWATER — WW	T.C. TOP OF CURB	
WW MH WASTEWATER MANHOLE	CR CURB RETURN	
CO CLEANOUT	EX. G EXISTING GUTTER	
WATER — W	EX. T.C. EXISTING TOP OF CURB	
FH FIRE HYDRANT	B-20 BORING LOCATION	
WM METER	EXISTING BRICKS	
T WATER VALVE	PAVEMENT REMOVAL	



BENCHMARKS:
 BM#1
 "I" CUT AT CENTER BACK OF CURB OF INLET, 190 FEET SOUTH FROM THE CENTERLINE INTERSECTION OF MILDRED STREET, WEST SIDE OF QUORUM DRIVE. ELEV. 621.89
 BM#5
 "I" CUT ON NORTHWEST CORNER OF CONC. HDWL. FOR 7'X7' BOX CULVERT UNDER R.R. TRACKS, 180 FEET WEST OF DALLAS PARKWAY SOUTHBOUND. ELEV. 610.49

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512



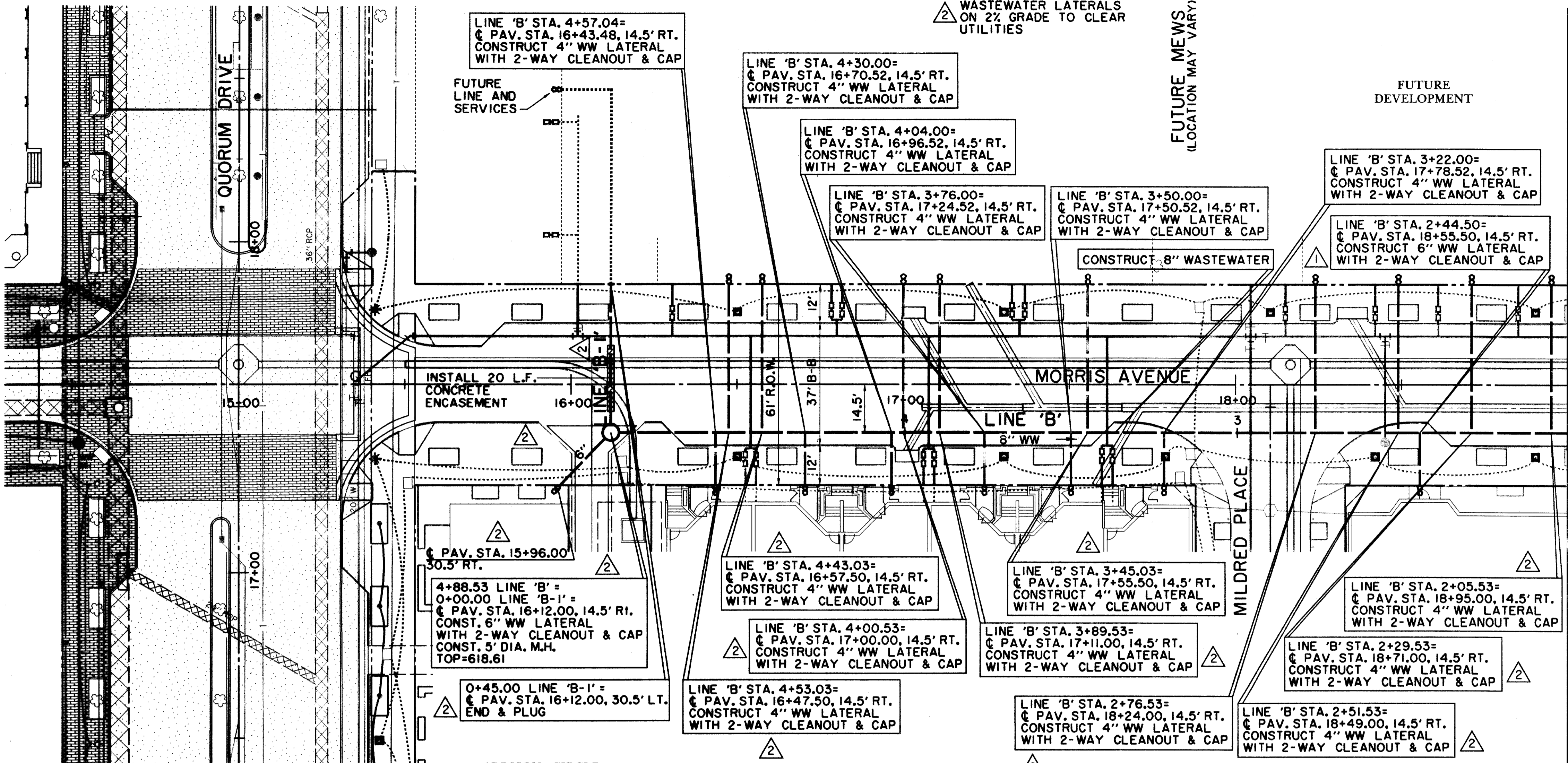
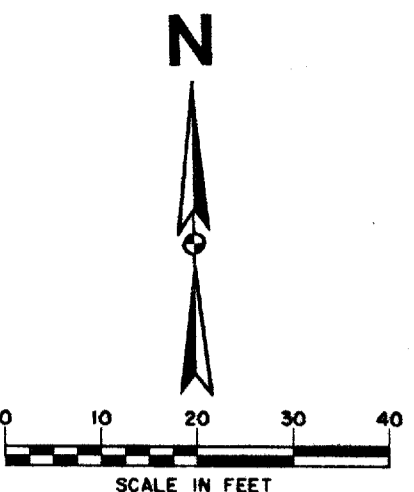
DATE	DESCRIPTION	REF. NO.
1/12/98	ADDED SERVICES FOR FUTURE TOWNHOMES	▲
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

WASTEWATER PLAN & PROFILE
 LINE 'B' - STA. 0+00 TO STA. 2+00
ADDISON CIRCLE
 PHASE II PUBLIC INFRASTRUCTURE
 TOWN OF ADDISON, TEXAS

Huitt-Zollars, Inc./Engineering/Architecture
 Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	H: 1"=20' V: 1"=6'	OCT. 97	01-1822-21	WW2

FUTURE DEVELOPMENT
 WASTEWATER LATERALS ON 2% GRADE TO CLEAR UTILITIES



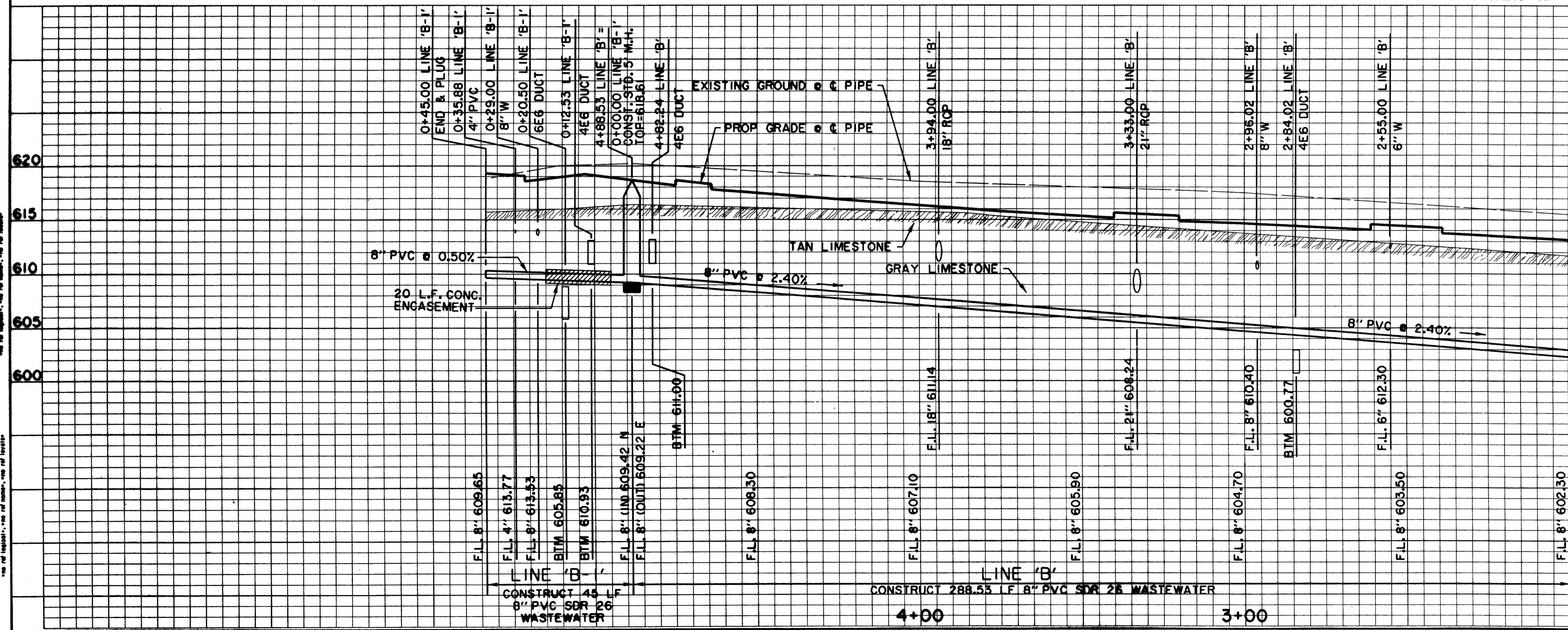
RECORD DRAWING

LEGEND

ELECTRIC — E —	MISC.
○ LIGHT POLE	48" RCP EX. STORM SEWER
pp POWER POLE	— CHAIN LINK FENCE
← GUY WIRE	— WOOD FENCE
TELEPHONE — T —	— EXISTING ASPHALT
TELEPHONE MANHOLE	— EXISTING DIRT OR GRAVEL
TELEPHONE PEDESTAL	— EX. CONCRETE
TELEPHONE SIGN	— TREE/TREE LINE
GAS — G —	— EXISTING CURB
GAS METER	— PROP. CURB
GAS SIGN	— PROP. EDGE OF PAVEMENT NO CURB
LAND USE	— EX. PROPERTY LINE
RAILROAD SIGN	— PROP. CENTERLINE
SIGN	— PROP. R.O.W.
SURVEY	— PROP. INLET
FOUND IRON ROD	T.P. TOP OF PAVEMENT
BENCHMARK	T.C. TOP OF CURB
WASTEWATER — WW —	CR CURB RETURN
WASTEWATER MANHOLE	EX. G EXISTING GUTTER
CLEANOUT	EX. T.C. EXISTING TOP OF CURB
WATER — W —	B-20 BORING LOCATION
FIRE HYDRANT	METER EXISTING BRICKS
METER	PAVEMENT REMOVAL
WATER VALVE	

ADDISON CIRCLE PHASE II BUILDING 'N'

ADDISON CIRCLE PHASE II BUILDING 'M'



BENCHMARKS:
 BM#1 "C" CUT AT CENTER BACK OF CURB OF INLET, 190 FEET SOUTH FROM THE CENTERLINE INTERSECTION OF MILDRED STREET, WEST SIDE OF QUORUM DRIVE. ELEV. 621.89
 BM#4 "C" CUT AT CENTER OF CURB INLET, 1015 FEET NORTH FROM THE CENTERLINE INTERSECTION OF MILDRED STREET, WEST SIDE OF QUORUM DRIVE. ELEV. 629.36

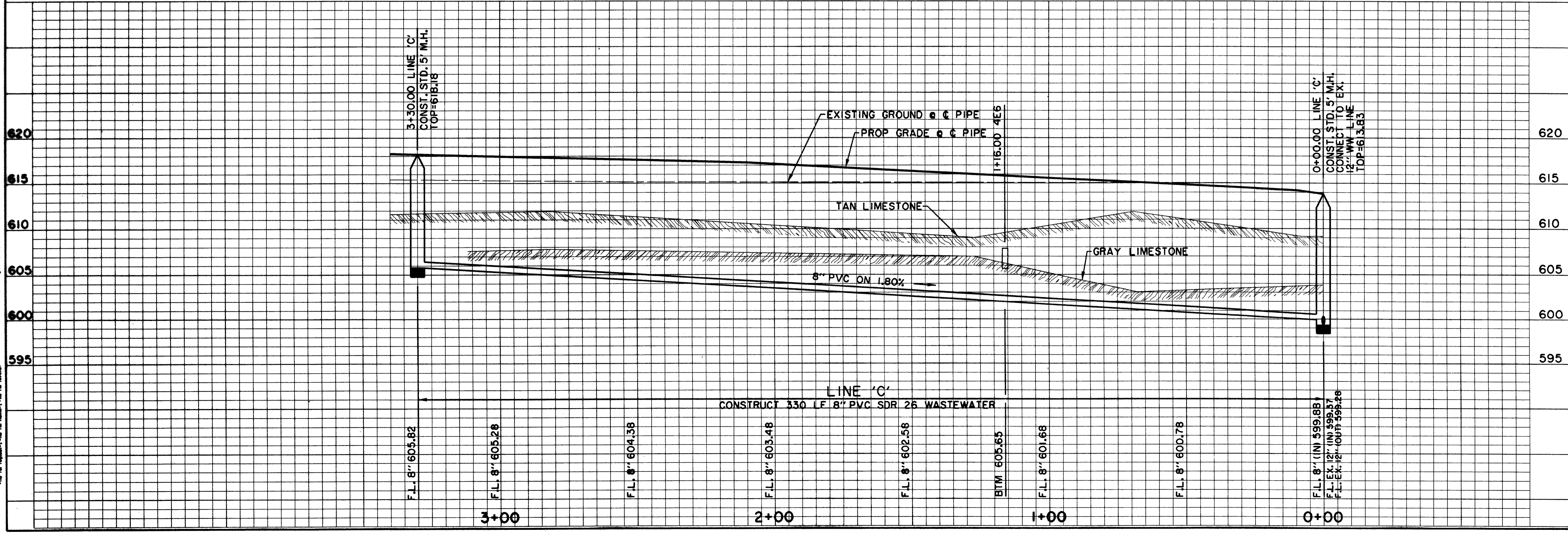
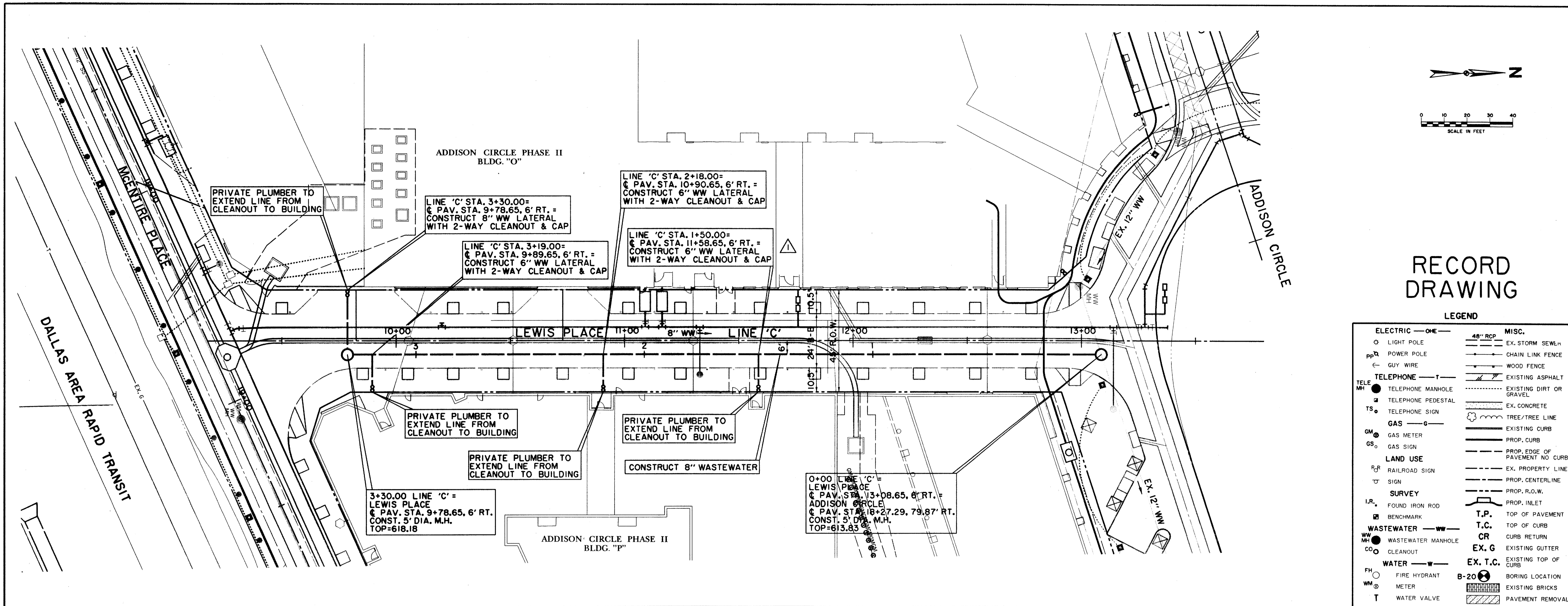
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512

DATE	DESCRIPTION	REF. NO.
1/12/98	ADDED SERVICES FOR FUTURE TOWNHOMES;	2
11/15/97	SHORTENED LINE 'B'; ADDED LINE 'B-1'	1
	REVISED SIZE OF LATERAL STA. 5+04.52	
	REVISED 6" LATERAL LOCATION	
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

WASTEWATER PLAN & PROFILE			
LINE 'B' - STA. 2+00 TO STA. 5+25			
ADDISON CIRCLE			
PHASE II PUBLIC INFRASTRUCTURE			
TOWN OF ADDISON, TEXAS			
Hull-Tollars, Inc./Engineering/Architecture Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario			
DESIGN	DRAWN	APPR.	SCALE
HZI	HZI	DEM	H _v 1"=20' V _h 1"=6'
DATE	PROJECT NO.	NO.	
OCT. 97	01-1822-21	WW3	

DATE PLOTTED: 11/03/98 10:50 AM
 PLOT FILE: C:\ADDISON\ADDISON.DWG
 PLOTTER: HP-GL/2
 PLOT SCALE: 1"=100'

DATE PLOTTED: 11/03/98 10:50 AM
 PLOT FILE: C:\ADDISON\ADDISON.DWG
 PLOTTER: HP-GL/2
 PLOT SCALE: 1"=100'



BENCHMARKS:

BM#1
"1" CUT AT CENTER BACK OF CURB OF INLET, 190 FEET SOUTH FROM THE CENTERLINE INTERSECTION OF MILDRED STREET, WEST SIDE OF QUORUM DRIVE. ELEV. 621.89

BM#5
"1" CUT ON NORTHWEST CORNER OF CONC. HDWL. FOR 7'X7' BOX CULVERT UNDER R.R. TRACKS, 180 FEET WEST OF DALLAS PARKWAY SOUTHBOUND. ELEV. 610.49

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512

DATE	DESCRIPTION	REF NO.
11/15/97	REVISED 6" LATERAL LOCATION	
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

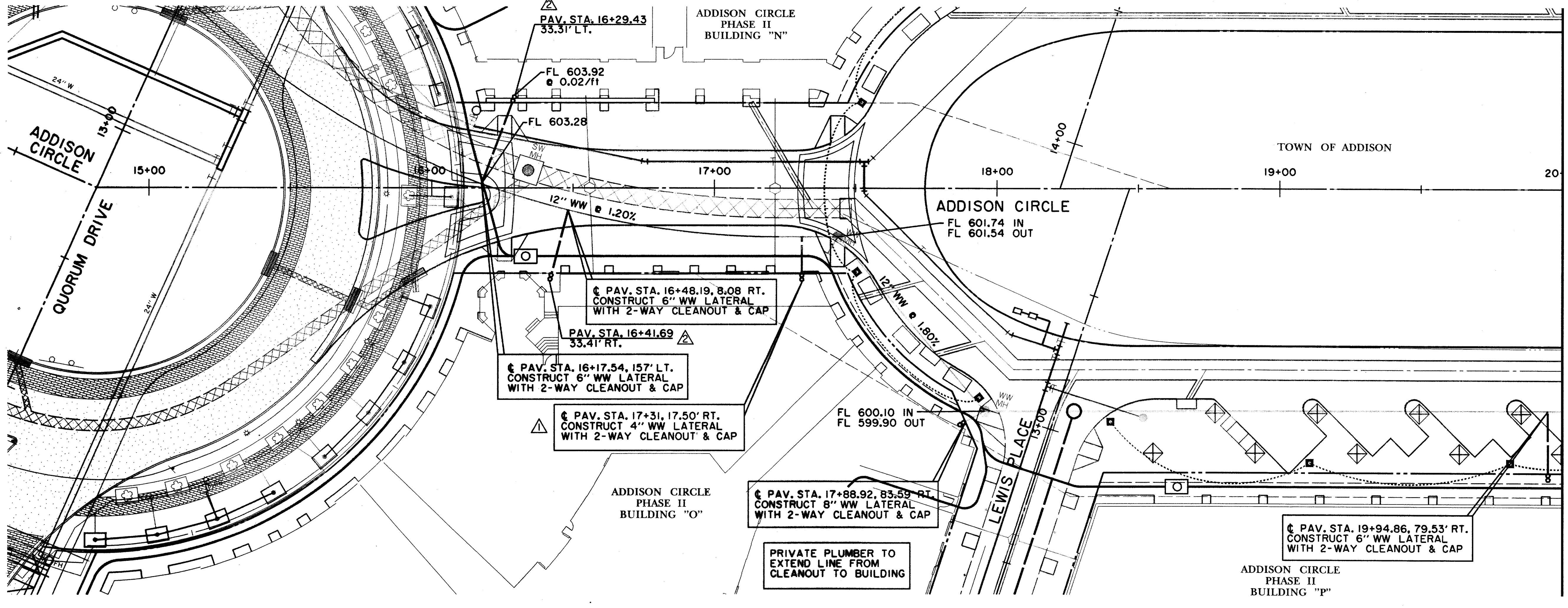
WASTEWATER PLAN & PROFILE
LINE C - STA. 0+00 TO STA. 3+40.00

ADDISON CIRCLE
PHASE II PUBLIC INFRASTRUCTURE
TOWN OF ADDISON, TEXAS

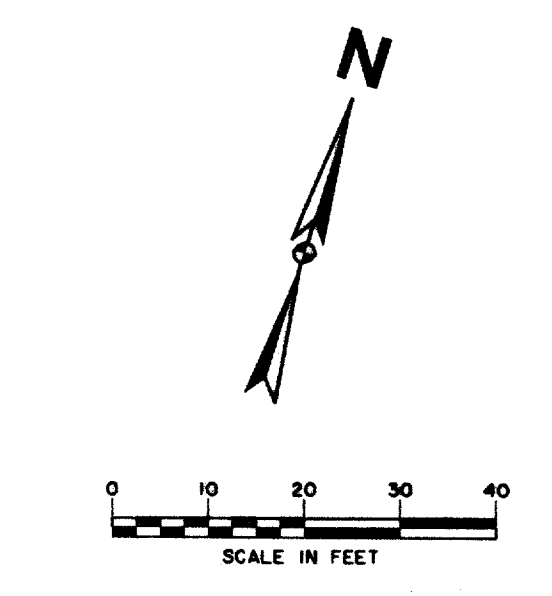
Huitt-Zollars, Inc./Engineering/Architecture
Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	H ₁ 1"=20' V ₁ 1"=6'	OCT. 97	01-1822-21	WW4

ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND DECIMALS THEREOF.
 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC WORKS, TEXAS EDITION, AND THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC WORKS, FEDERAL EDITION.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
 THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES.
 THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL CONSTRUCTION ACTIVITIES.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
 THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES.
 THE CONTRACTOR SHALL MAINTAIN ADEQUATE RECORDS OF ALL CONSTRUCTION ACTIVITIES.



MATCH LINE STA. 20+00



RECORD DRAWING

LEGEND

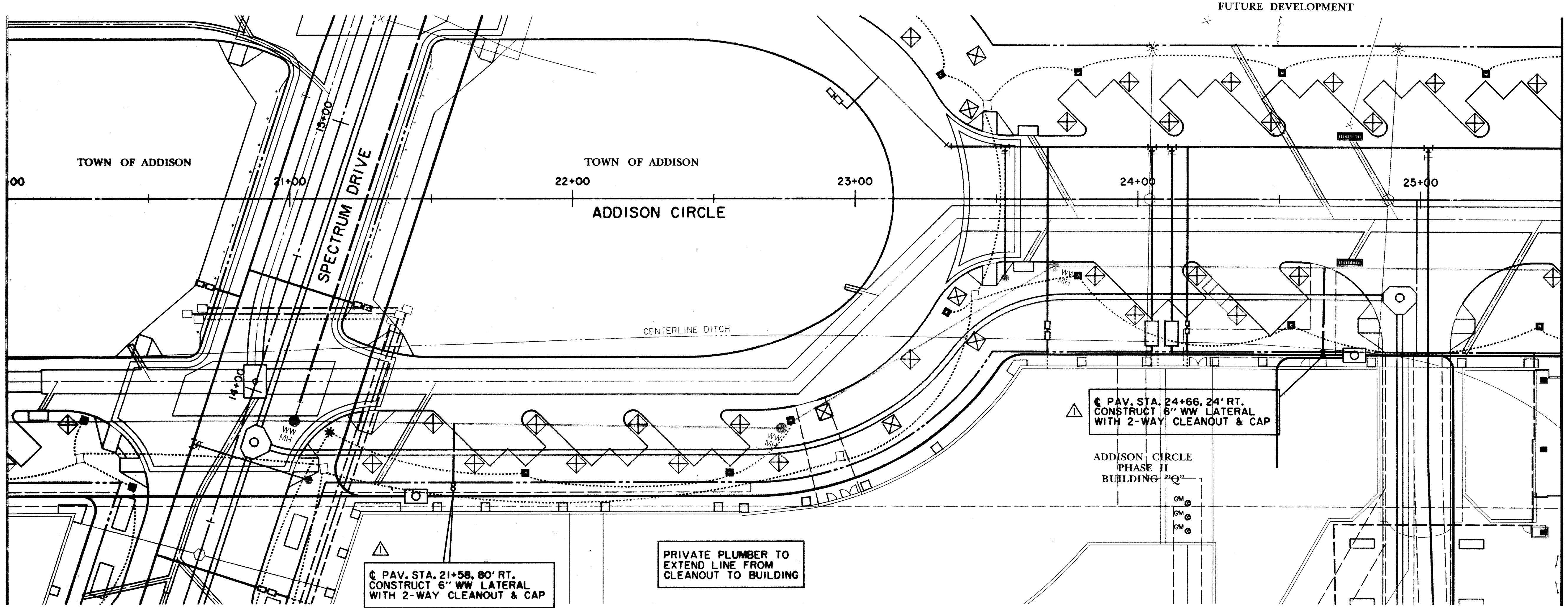
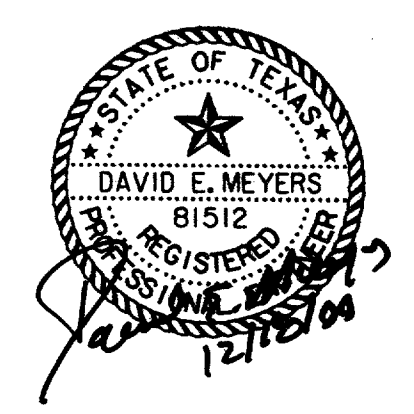
	ELECTRIC — ONE		MISC.
	LIGHT POLE		EX. STORM SEWER
	POWER POLE		CHAIN LINK FENCE
	GUY WIRE		WOOD FENCE
	TELEPHONE MANHOLE		EXISTING ASPHALT
	TELEPHONE PEDESTAL		EXISTING DIRT OR GRAVEL
	TELEPHONE SIGN		EX. CONCRETE
	GAS — G		TREE/TREE LINE
	GAS METER		EXISTING CURB
	GAS SIGN		PROP. CURB
	LAND USE		PROP. EDGE OF PAVEMENT NO. CURB
	RAILROAD SIGN		PROP. CENTERLINE
	SIGN		PROP. R.O.W.
	SURVEY FOUND IRON ROD		PROP. INLET
	BENCHMARK		T.P.
	WASTEWATER — WW		T.C.
	WASTEWATER MANHOLE		CR
	CLEANOUT		EX. G
	WATER — W		EX. T.C.
	FIRE HYDRANT		B-20
	METER		EXISTING BRICKS
	WATER VALVE		PAVEMENT REMOVAL

BENCHMARKS:

BM#1
"I" CUT AT CENTER BACK OF CURB OF INLET, 190 FEET SOUTH FROM THE CENTERLINE INTERSECTION OF ADDISON CIRCLE, WEST SIDE OF QUORUM DRIVE, ELEV. 621.89

BM#5
"I" CUT AT NORTHWEST CORNER OF NORTH HDWL. OF 7'x7' BOX CULVERT UNDER RAILROAD, 180' WEST OF DALLAS PARKWAY SOUTHBOUND, ELEV. 610.49

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512



MATCH LINE STA. 20+00

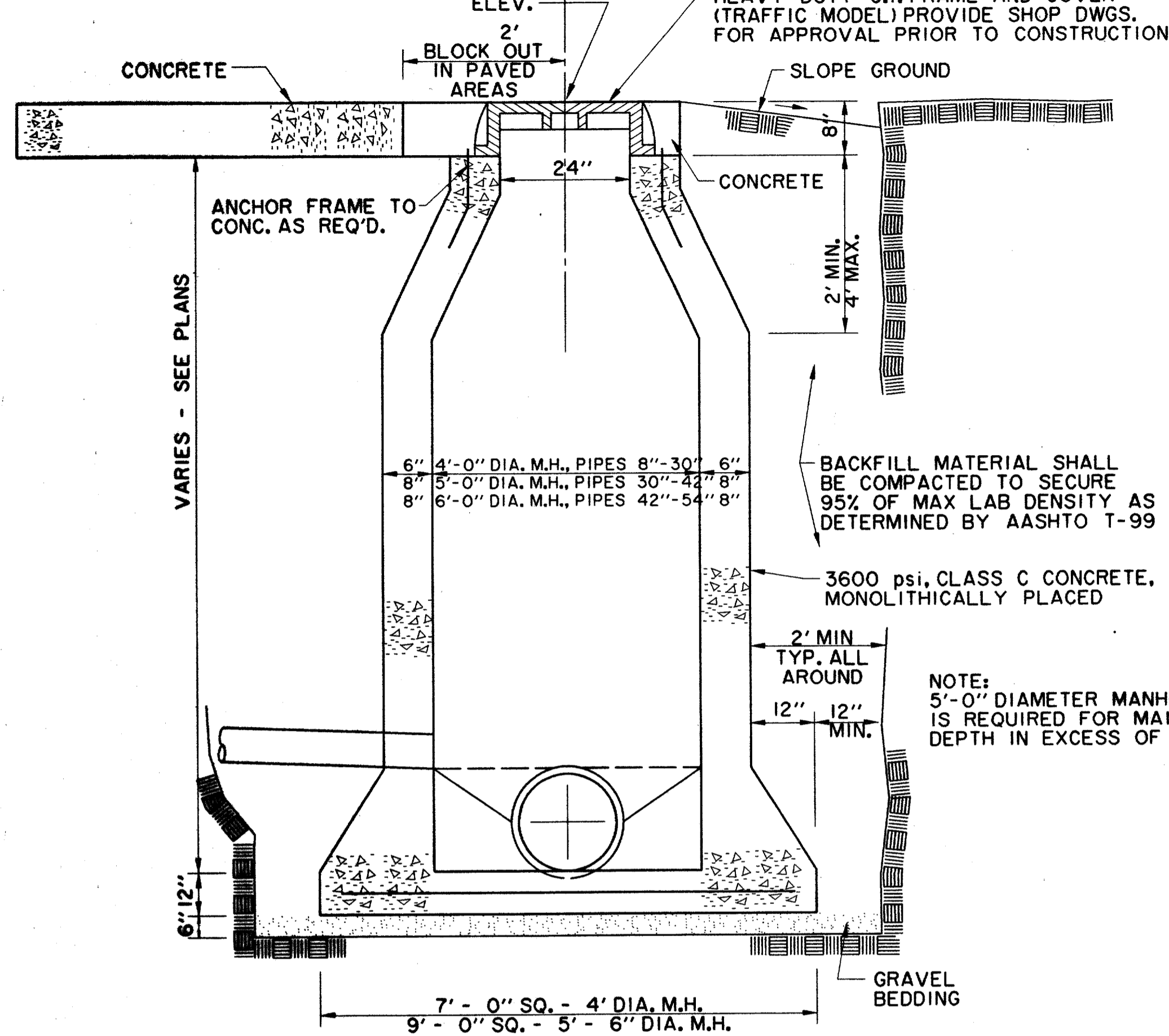
MATCH LINE STA. 25+00

DATE	DESCRIPTION	REF. NO.
12/1/97	ADDED PAV. STA. AND OFFSETS	
11/15/97	REVISED BLDG. "O" LATERAL, DELETED 8" AND ADDED 2-6" LATERALS BLDG. "Q"	
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

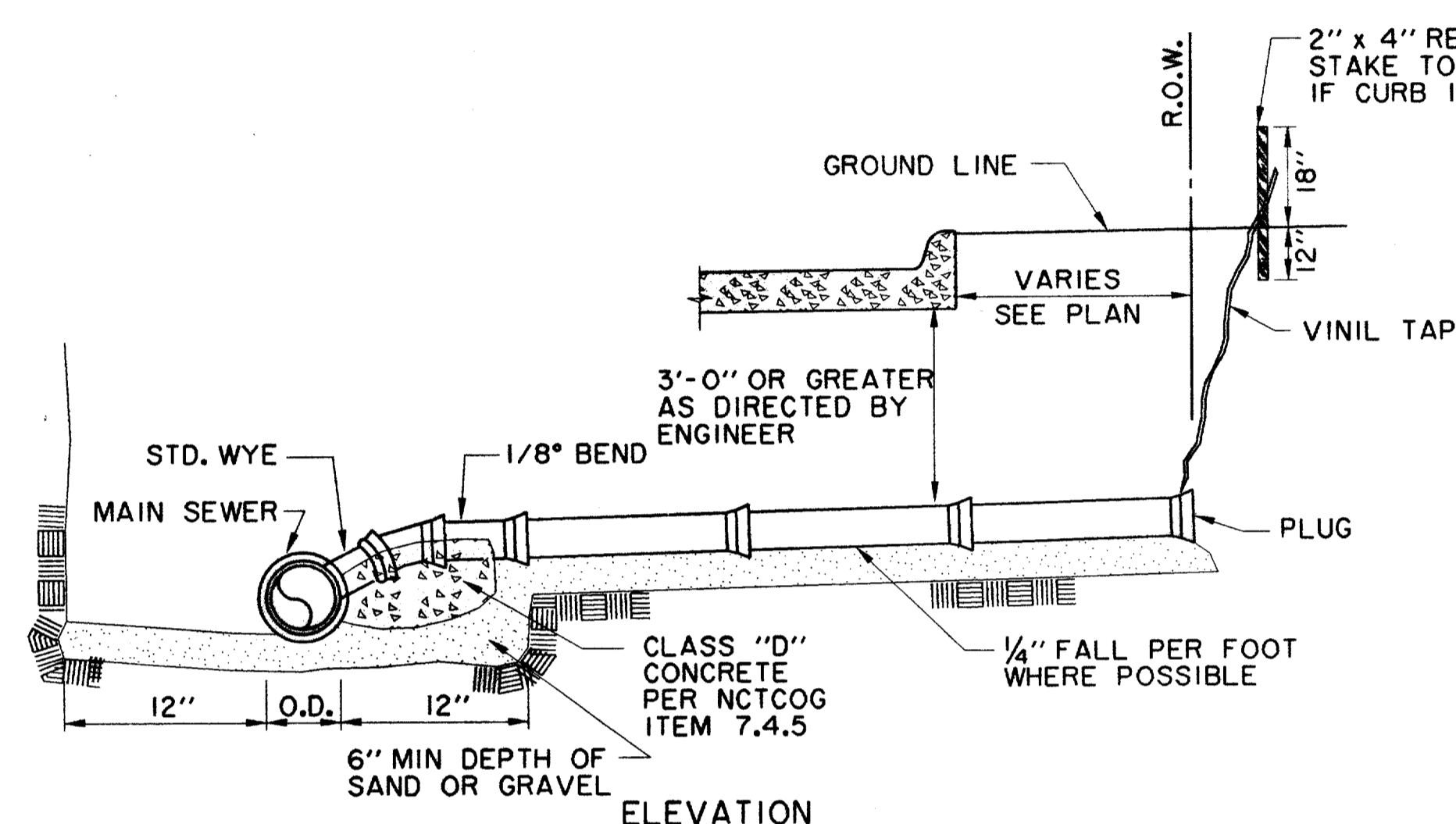
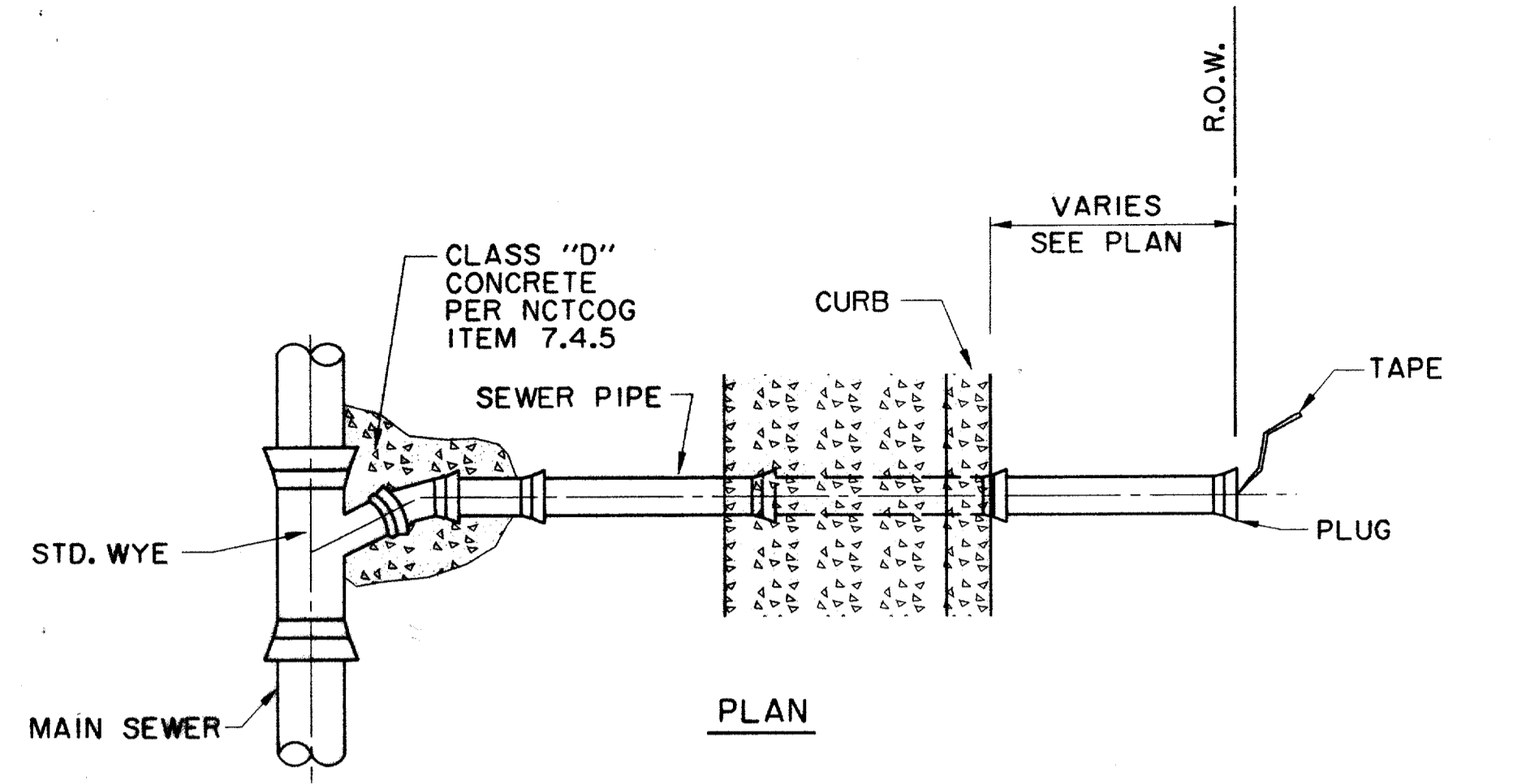
WASTEWATER PLAN					
ADDISON CIRCLE					
PHASE II PUBLIC INFRASTRUCTURE					
TOWN OF ADDISON, TEXAS					
Huitt-Zollars, Inc./Engineering/Architecture Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario					
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.
HZI	HZI	DEM	1"=20'	OCT. 97	01-1822-21
					WW5

ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND DECIMALS THEREOF.
 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE LATEST EDITIONS OF THE TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR WATERWAY CONSTRUCTION.
 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR AIRPORT CONSTRUCTION.
 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR AIRPORT CONSTRUCTION.
 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR AIRPORT CONSTRUCTION.
 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR AIRPORT CONSTRUCTION.

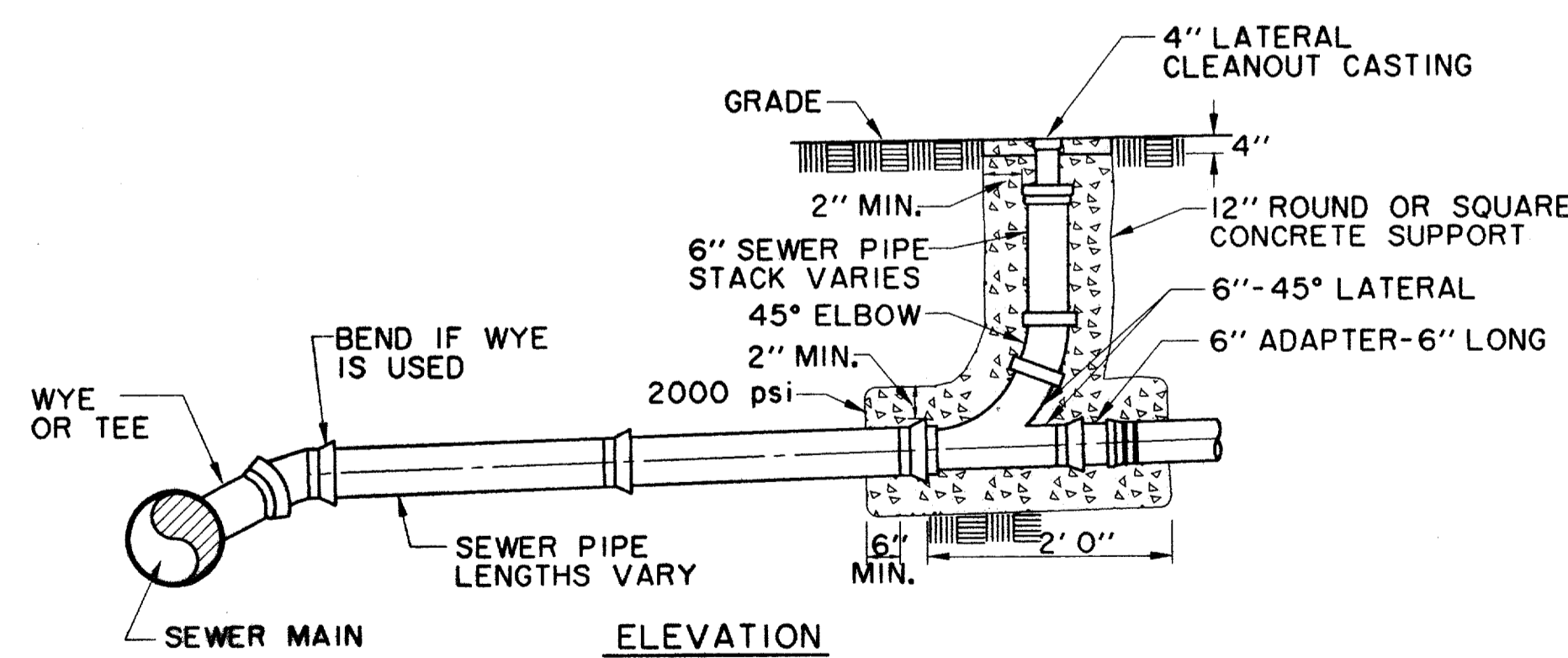
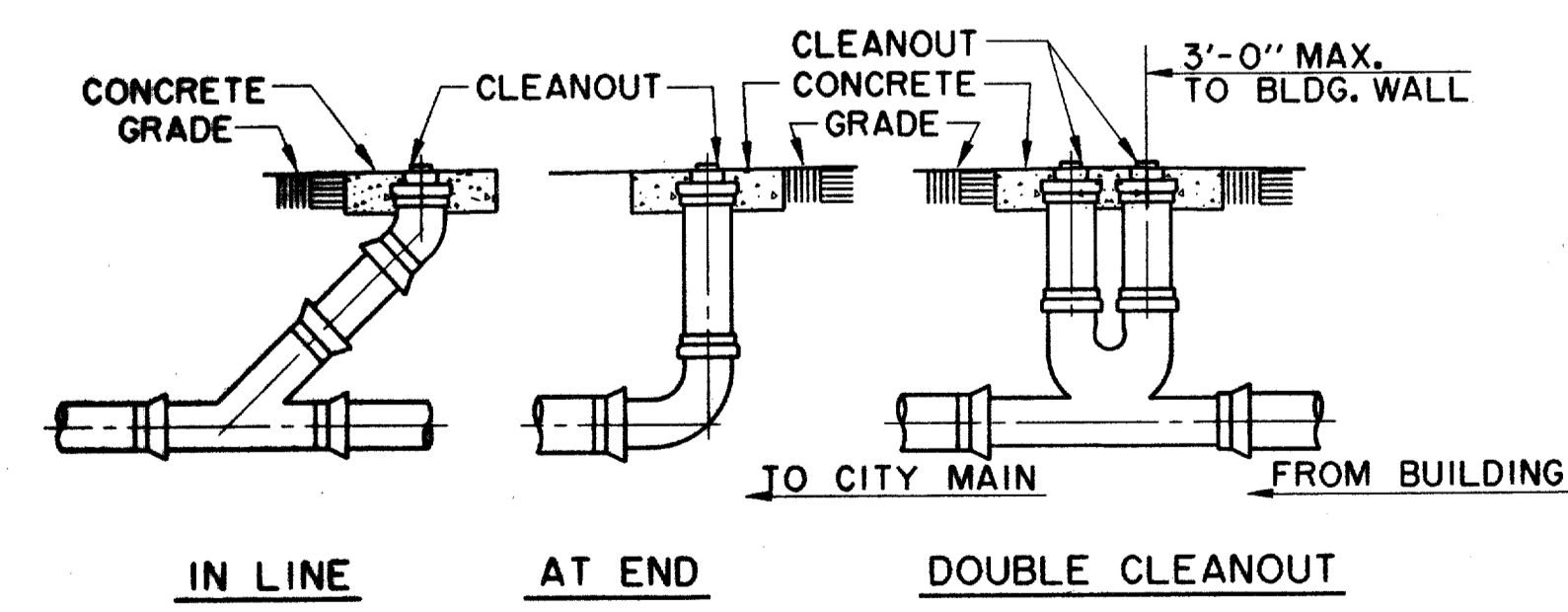
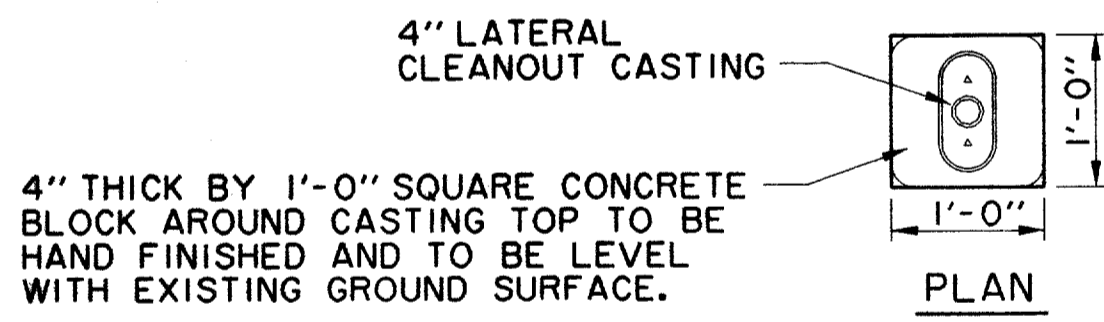
TYPICAL PAVED AREAS **TYPICAL GRASSED AREAS**



CAST IN PLACE MANHOLE
WHERE DROP M.H. IS REQUIRED, USE INSIDE DROP CONNECTION AS PER TOWN OF ADDISON STANDARDS.



SANITARY SEWER SERVICE CONNECTION
NTS



SANITARY SEWER CLEANOUT DETAIL
NTS

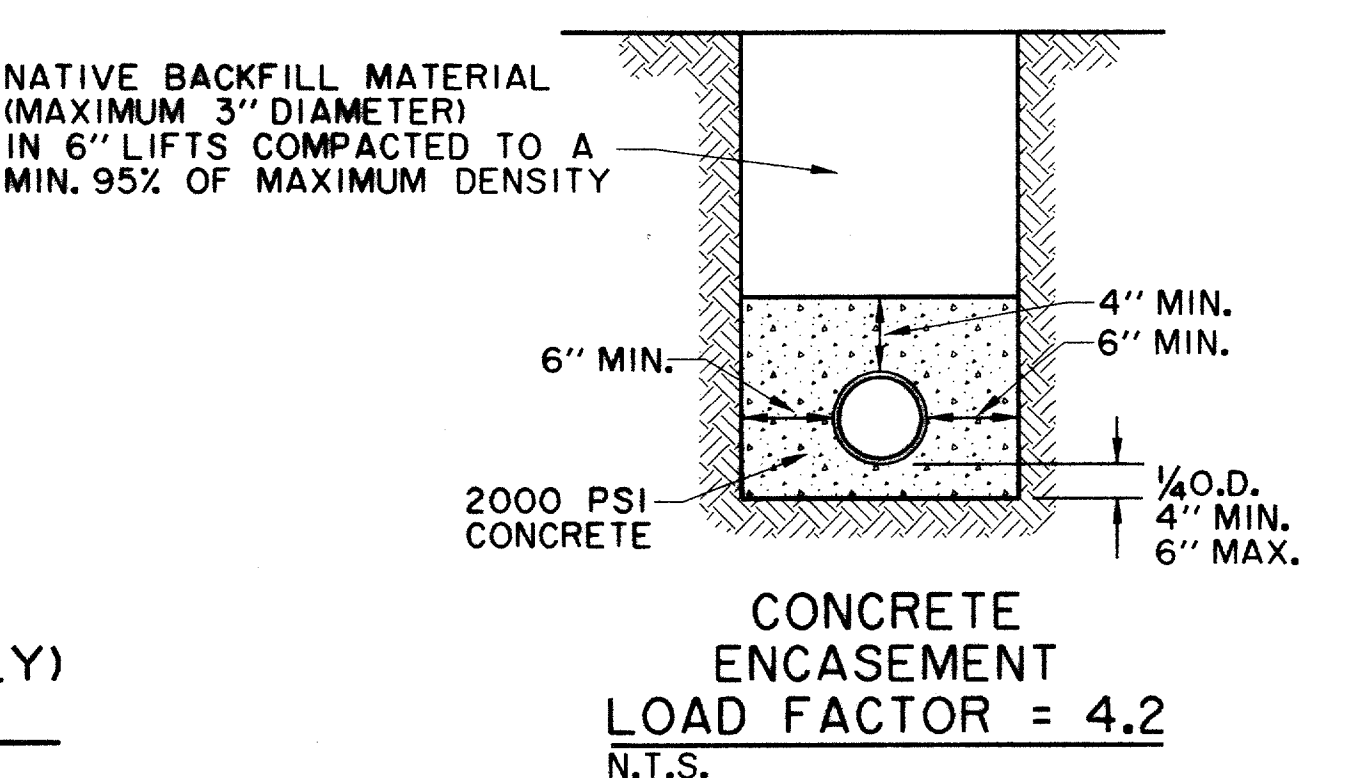
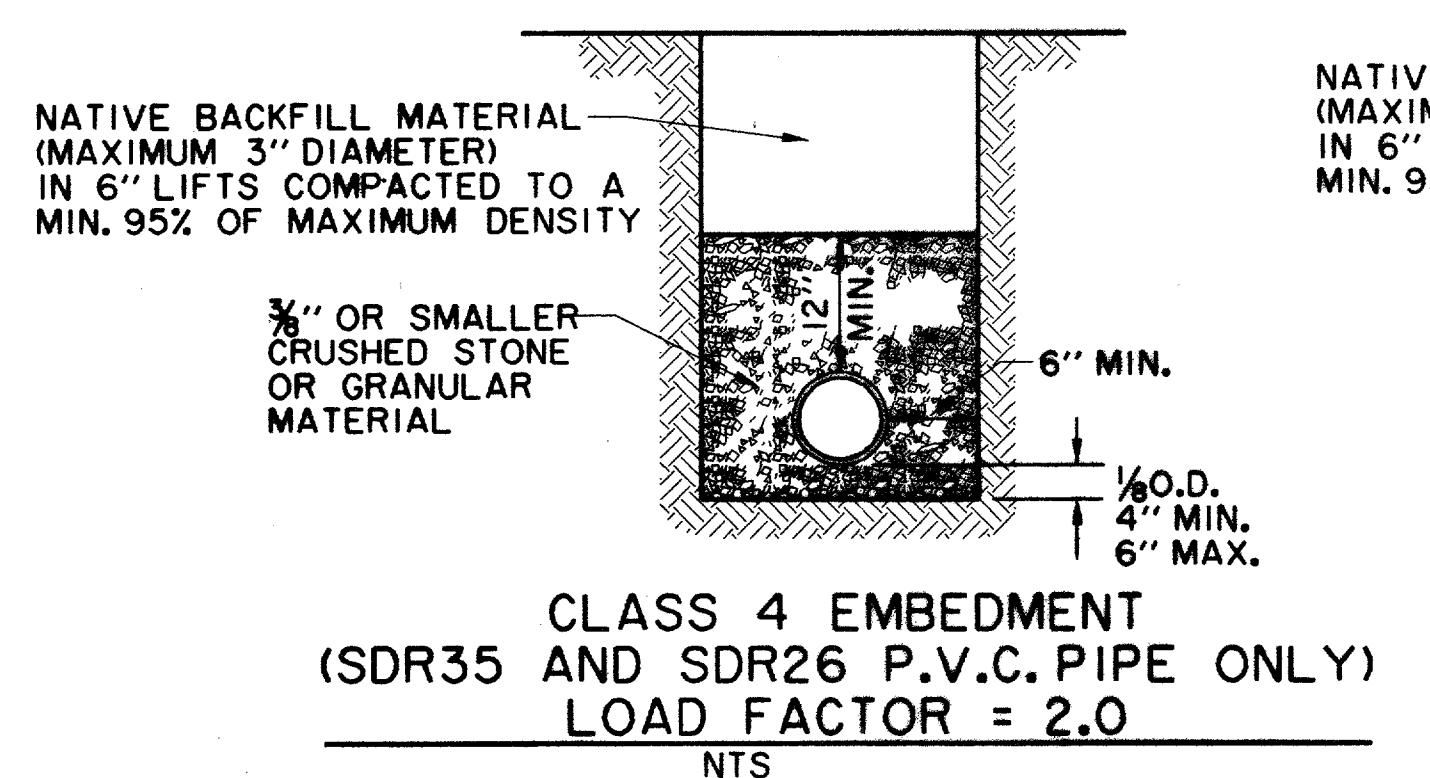
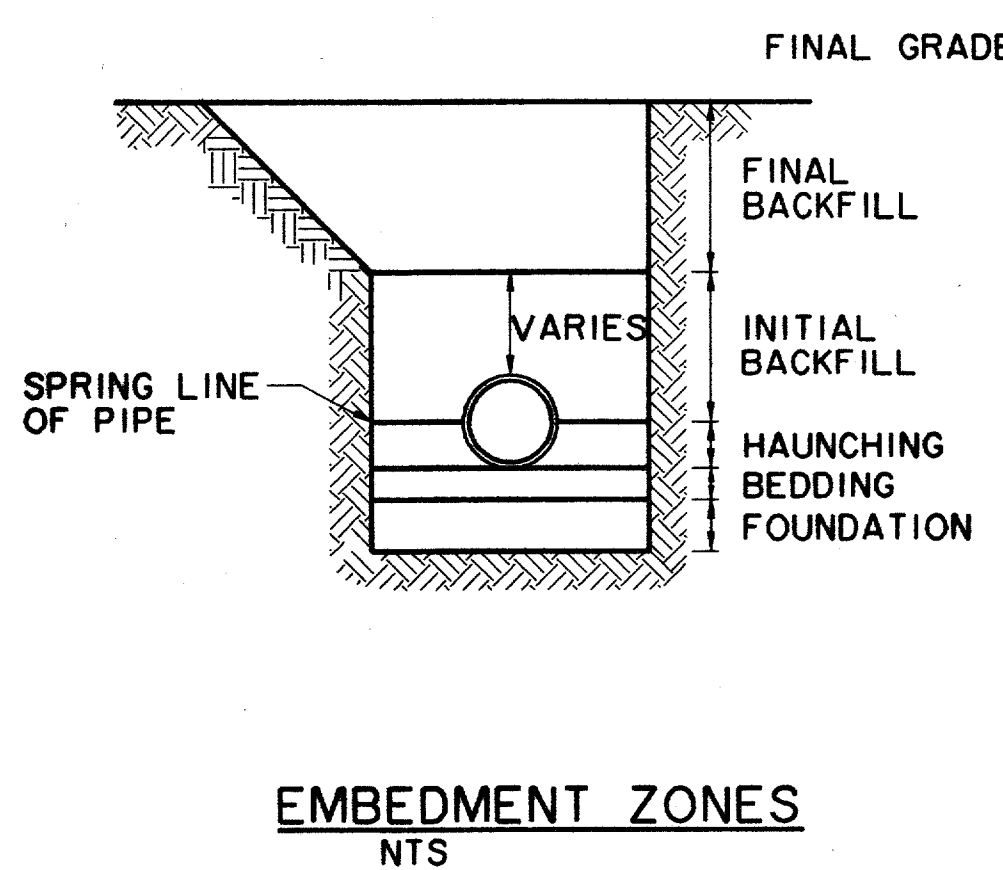
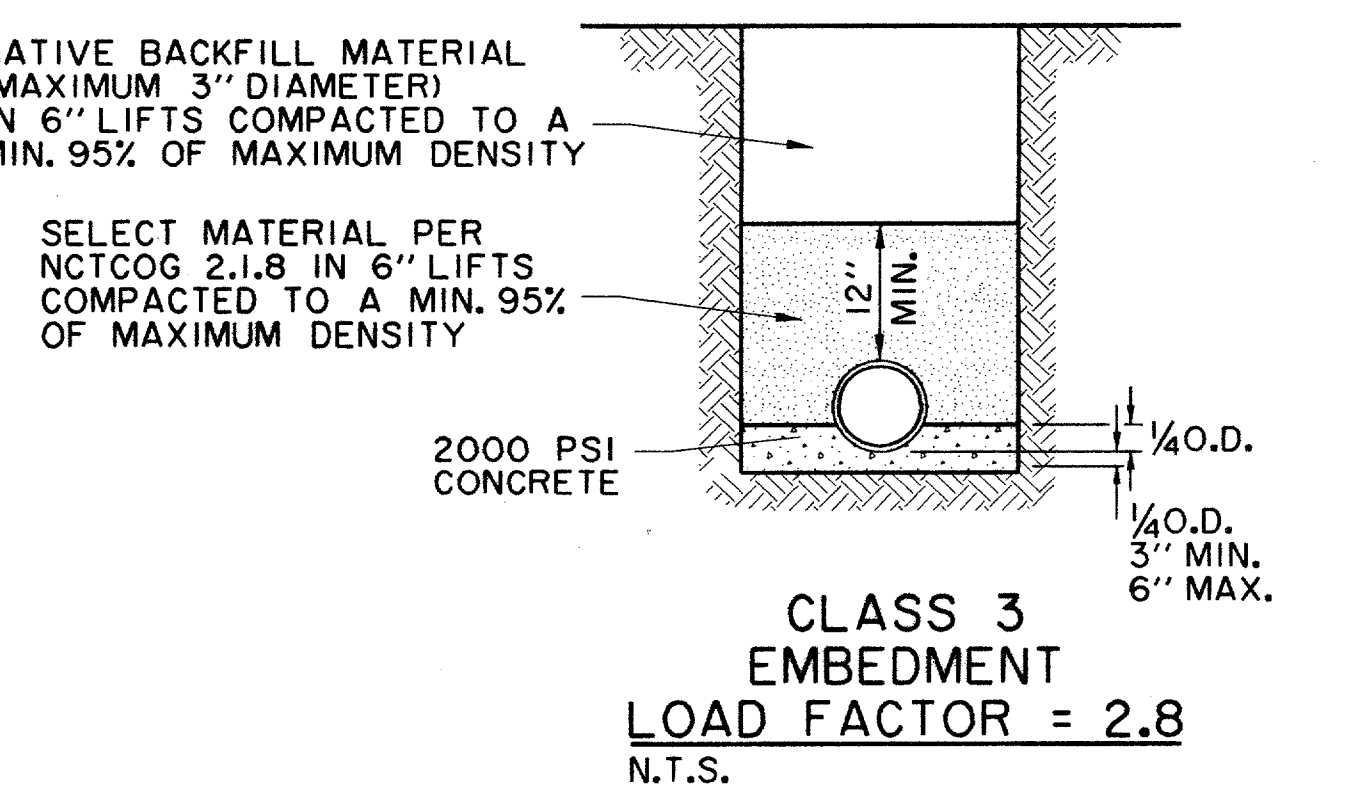
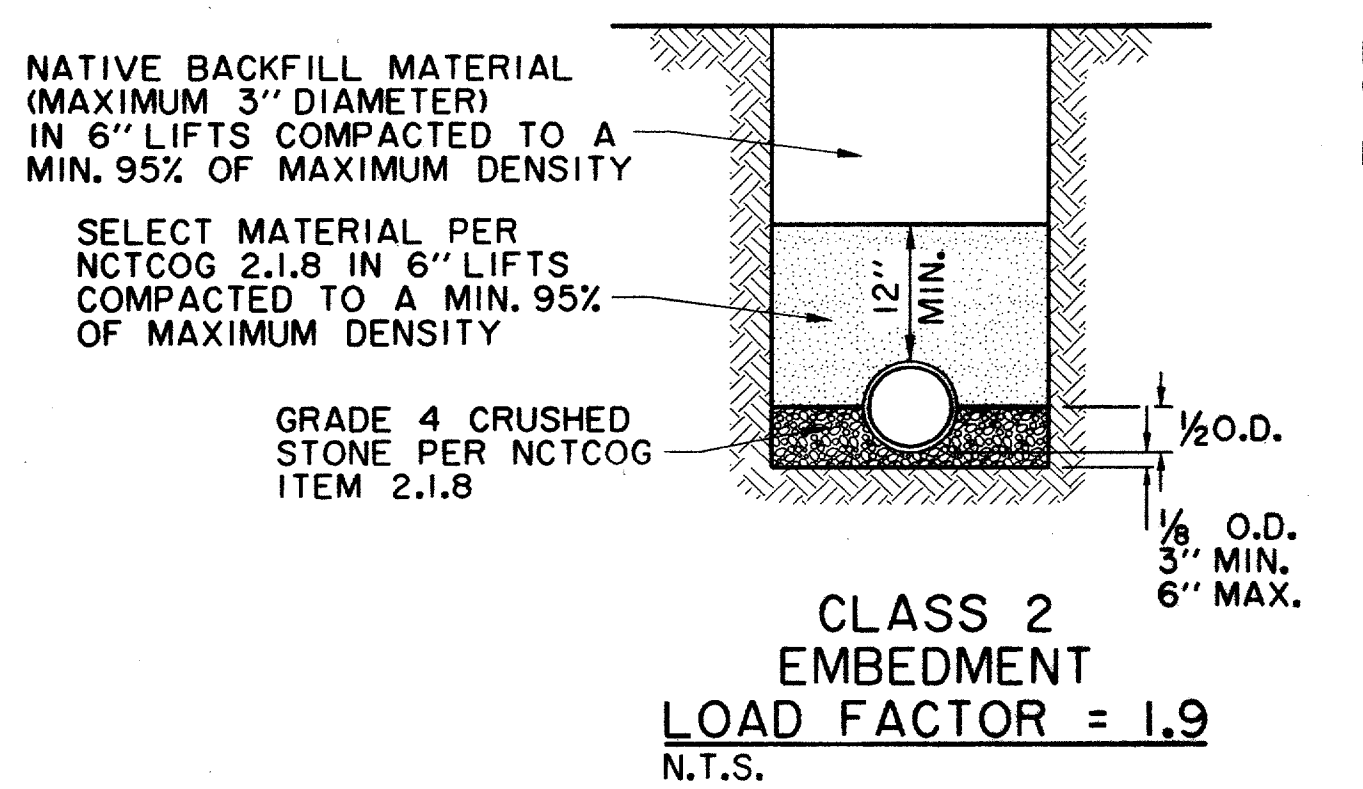
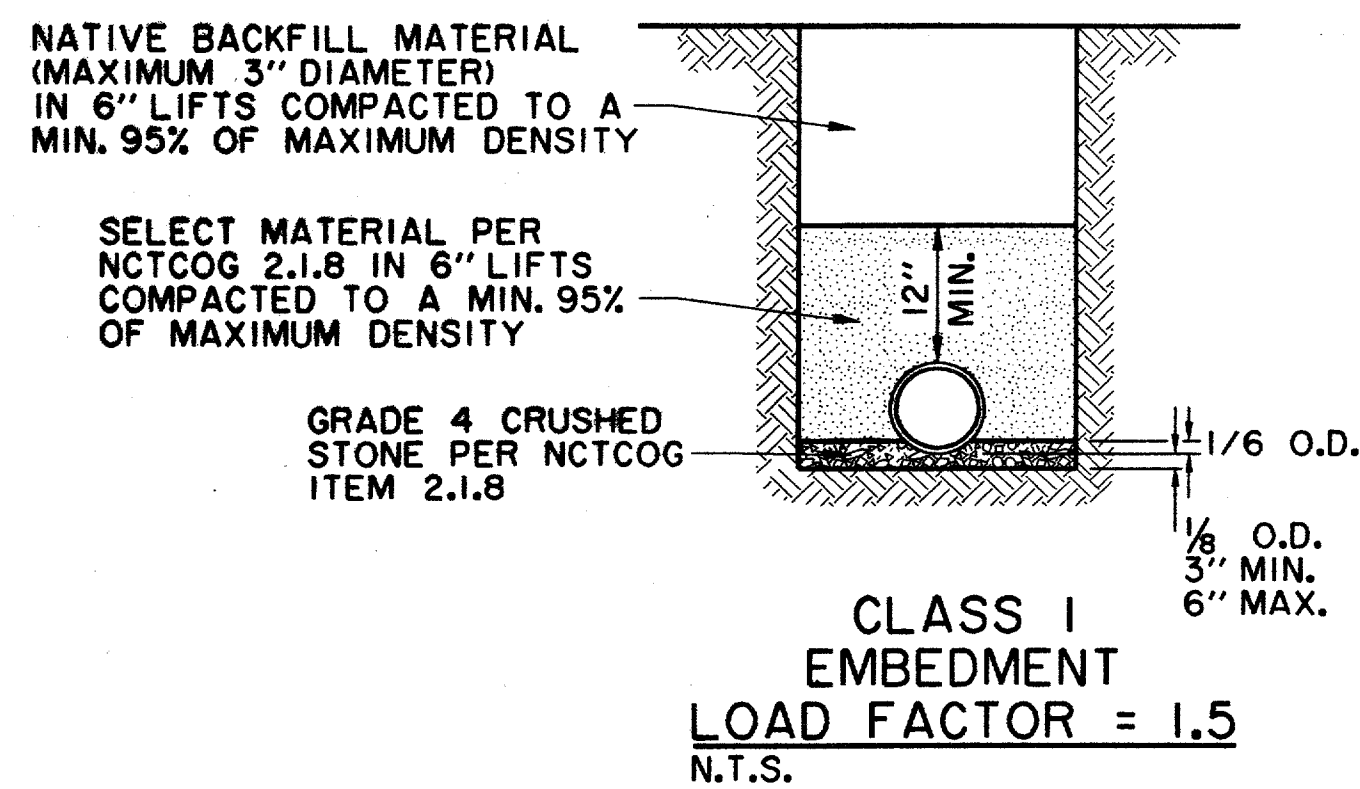
PVC SANITARY SEWER PIPE TO BE SDR 35 OR SDR 26 (AS NOTED ON PLANS) WITH INTEGRAL BELL. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD LOCATE HORIZONTALLY EACH SERVICE IN RELATION TO THE SANITARY SEWER STATIONING.
FIELD TIES ARE TO BE INCLUDED AND RECORDED ON ALUMINIZED SANITARY SEWER TAPE. THIS TAPE, GREEN OR RED IN COLOR IS TO BE ATTACHED TO THE 6" SERVICE AT THE R.O.W. LINE AND BROUGHT TO THE SURFACE TO BE USED AS A PERMANENT MARKER.

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512

RECORD DRAWING

DATE	DESCRIPTION	REF NO.
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

WASTEWATER DETAILS						
ADDISON CIRCLE						
PHASE II PUBLIC INFRASTRUCTURE						
TOWN OF ADDISON, TEXAS						
Huitt-Zollars, Inc./Engineering/Architecture Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario						
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZ1	HZ1	DEM	N.T.S.	JUN. 97	01-1822-21	WW6



TYPICAL NATIVE MATERIAL COMPACTED TO:
95% OF STANDARD PROCTOR DENSITY AT
OPTIMUM MOISTURE 0 TO +3% UNDER PAVEMENT
95% OF STANDARD PROCTOR DENSITY AT
OPTIMUM MOISTURE 0 TO +3% OUTSIDE CURB LINES
JETTING IS NOT ALLOWED
BACKFILL TO BE COMPACTED IN 6" +/- LIFTS
TYPICAL NATIVE MATERIAL (MAX. 3" DIA.)

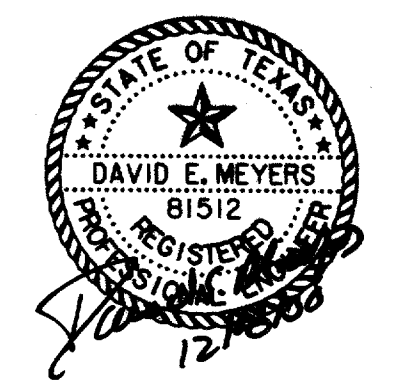
EMBEDMENT DETAILS FOR SANITARY SEWER

TABLE OF QUANTITIES OF 2000 psi CONCRETE, GRAVEL OR CRUSHED STONE
IN CUBIC YARDS PER 100 LINEAR FEET FOR EACH CLASS EMBEDMENT

TABLE OF QUANTITIES PER 100 LINEAR FEET REINFORCED CONCRETE PIPE							
SIZE OF PIPE IN INCHES I.D.	O.D. OF PIPE IN INCHES	TRENCH WIDTH IN INCHES	TRENCH WIDTH IN FEET	CLASS 1 EMBEDMENT CRUSHED STONE	CLASS 2 EMBEDMENT CONCRETE	CLASS 3 EMBEDMENT CONCRETE	CONCRETE ENCASEMENT
12	16.00	32	2.67	4.1	6.5	4.8	15.8
15	19.50	36	3.00	4.8	7.8	6.4	19.2
18	23.00	39	3.25	5.7	9.2	8.2	21.2
21	26.50	43	3.58	6.9	11.0	10.2	24.9
24	30.00	46	3.83	8.3	13.1	12.4	28.7
27	33.50	51	4.25	10.3	16.1	14.4	32.8
30	37.00	57	4.75	12.7	20.1	17.0	34.8
33	40.50	62	5.17	15.1	23.8	19.3	39.2
36	44.00	67	5.58	18.0	28.6	22.1	43.8

TABLE OF QUANTITIES PER 100 LINEAR FEET-PVC PIPE (IN CUBIC YARDS)					
SIZE OF PIPE IN INCHES I.D.	O.D. OF PIPE IN INCHES	TRENCH WIDTH IN INCHES	TRENCH WIDTH IN FEET	CLASS 4 EMBEDMENT CRUSHED STONE	CONCRETE ENCASEMENT
6	6.28	24	2.00	8.0	11.7
8	8.16	24	2.00	8.7	12.4
10	10.20	26	2.18	10.2	14.2
12	12.24	28	2.35	11.7	15.9
16	15.30	31	2.61	14.0	18.8
24		36	3.0		
30		42	3.5		

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY
DAVID E. MEYERS, P.E. 81512



RECORD DRAWING

DATE	DESCRIPTION	REF NO.
10/3/97	ISSUED FOR CONSTRUCTION	N/A
7/14/97	ISSUED FOR BID	N/A

WASTEWATER DETAILS						
ADDISON CIRCLE						
PHASE II PUBLIC INFRASTRUCTURE						
TOWN OF ADDISON, TEXAS						
Hull-Zollars, Inc./Engineering/Architecture Dallas, Fort Worth, Houston, El Paso, Phoenix, Tustin, Ontario						
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	N.T.S.	JUN. 97	01-1822-21	WW7