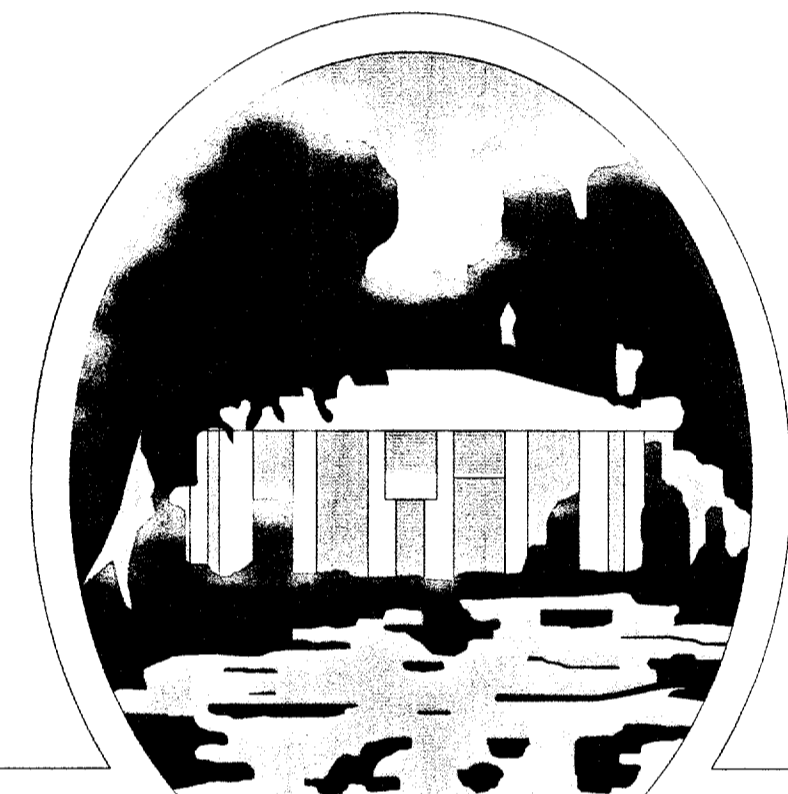


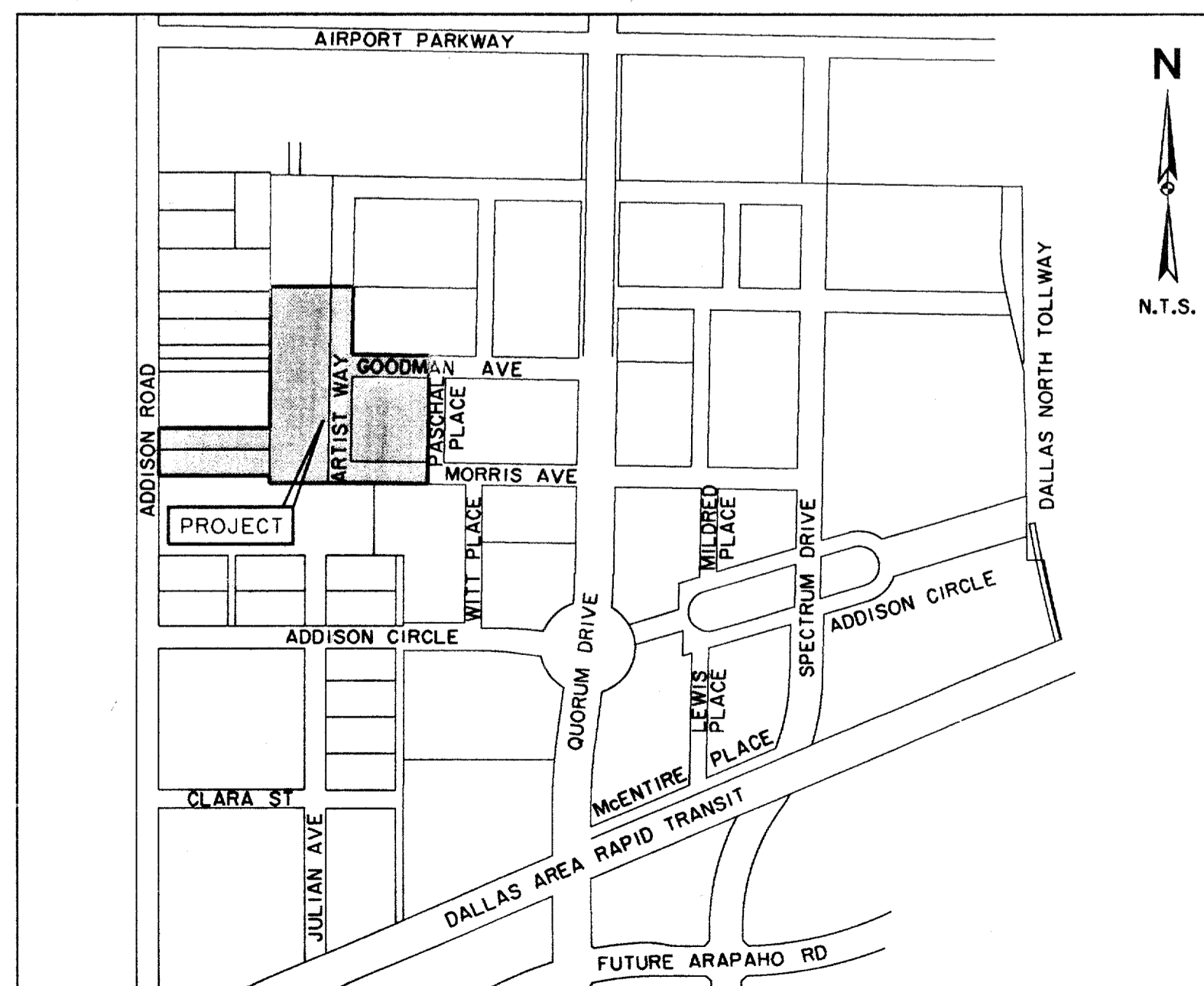
CIVIL AND LANDSCAPE PLANS FOR CONSTRUCTION OF
PAVING, STREETScape AND UTILITY IMPROVEMENTS

ADDISON CIRCLE PUBLIC INFRASTRUCTURE PHASE II-B



T O W N O F
ADDISON

SHEET NO.	INDEX OF DRAWINGS
	COVER SHEET
P1	LEGEND & ABBREVIATIONS
P2	HORIZONTAL CONTROL PLAN
P3	PAVING TYPICAL SECTIONS & RECOMMENDED UTILITY LOCATIONS
P4	DEMOLITION PLAN
P5	PAVING & STREETScape SITE PLAN
P6	SIGNAGE & STRIPING PLAN
P7-P11	PAVING PLANS & PROFILES
GRI-GR2	SIDEWALK GRADING PLANS
PI2	SLEEVING PLAN
PI3-PI4	PAVING DETAILS
ST1-ST2	STREETScape PLANS
ST3-ST6	STREETScape, LIGHT & SUBDRAIN DETAILS
SW1	DRAINAGE AREA MAP
SW2-SW3	STORM WATER CALCULATIONS
SW4	STORM WATER SITE PLAN
SW5-SW7	STORM WATER PLANS & PROFILES
SW8-SW9	STORM WATER DETAILS
W1	WATER & WASTEWATER SITE PLAN
W2-W5	WATER PLANS & PROFILES
W6-W7	WATER DETAILS
WW1	WASTEWATER PLAN & PROFILE
WW2-WW3	WASTEWATER DETAILS
PC1	POLLUTION CONTROL PLAN
PC2	POLLUTION CONTROL DETAILS
E1	ELECTRICAL DUCT BANK SITE PLAN
E2-E4	ELECTRICAL DUCT BANK PLANS & PROFILES
E5-E13	ELECTRICAL DUCT BANK DETAILS
E14-E15	STREET LIGHT POWER PLANS & DETAILS
PF1-PF2	PLANTING & FURNITURE PLANS
PF3	PLANTING DETAILS
IR1-IR2	IRRIGATION PLANS
IR3	IRRIGATION DETAILS



LOCATION MAP

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.

OWNER:

TOWN OF ADDISON
DEPARTMENT OF PUBLIC WORKS
16801 WESTGROVE
P.O. BOX 9010
ADDISON, TEXAS 75001
(972) 450-2871 FAX (972) 450-2837

ENGINEER & LANDSCAPE ARCHITECT:

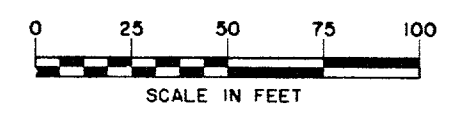
HUITT-ZOLLARS, INC.
3131 MCKINNEY AVE., SUITE 600
DALLAS, TEXAS 75204
(214) 871-3311 FAX (214) 871-0757
DAVID E. MEYERS, P.E.
TX. REG. NO. 81512
KAREN W. KOERTH, L.A.
TX. REG. NO. 1594

RECORD
DRAWING

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



ISSUED FOR CONSTRUCTION 6/23/99



- PROPOSED HYDRANT
- EXISTING HYDRANT

ADDISON ROAD

NOT IN CONTRACT

TOWN OF ADDISON
CONFERENCE &
THEATRE CENTRE

1-STORY CORNER
METAL CARPORT
TOWN OF ADDISON
FUTURE PARKING

AVIS

BARCO MIRROR & GLASS

MEIER
VALUE
CENTER

BENT
TREE
AUTO

REGENCY

AUTO
HAUS

COURTYARD

RESIDENT
PARKING GARAGE
5 LEVELS

ADDISON CIRCLE
PHASE III
BUILDING "3B"

ADDISON CIRCLE
PHASE III
BUILDING "3R"

FUTURE
DEVELOPMENT

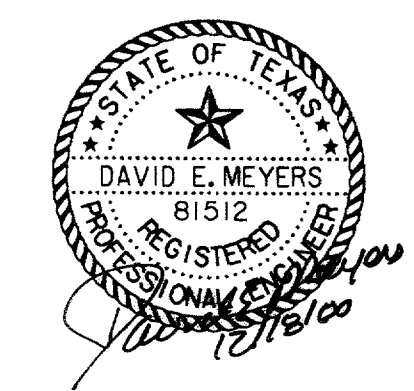
WATER
TOWER

ARTIST WAY

U.S.
POST OFFICE

**RECORD
DRAWING**

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



FUTURE RESIDENTIAL STREET (R-1)

FUTURE
PARK

FUTURE
DEVELOPMENT

FUTURE MEWS

ADDISON CIRCLE
PHASE I
EXISTING
BUILDING "B"

ADDISON CIRCLE
PHASE III
BUILDING "3A"

ADDISON CIRCLE
PHASE I
EXISTING
BUILDING "C"

WITT PLACE

EXISTING
BOSQUE PARK

PASCHAL PLACE

GOODMAN AVE. 8' W

MORRIS AVENUE

6+00

7+00

8+00

9+00

10+00

11+00

18+00

19+00

20+00

21+00

22+00

23+00

24+00

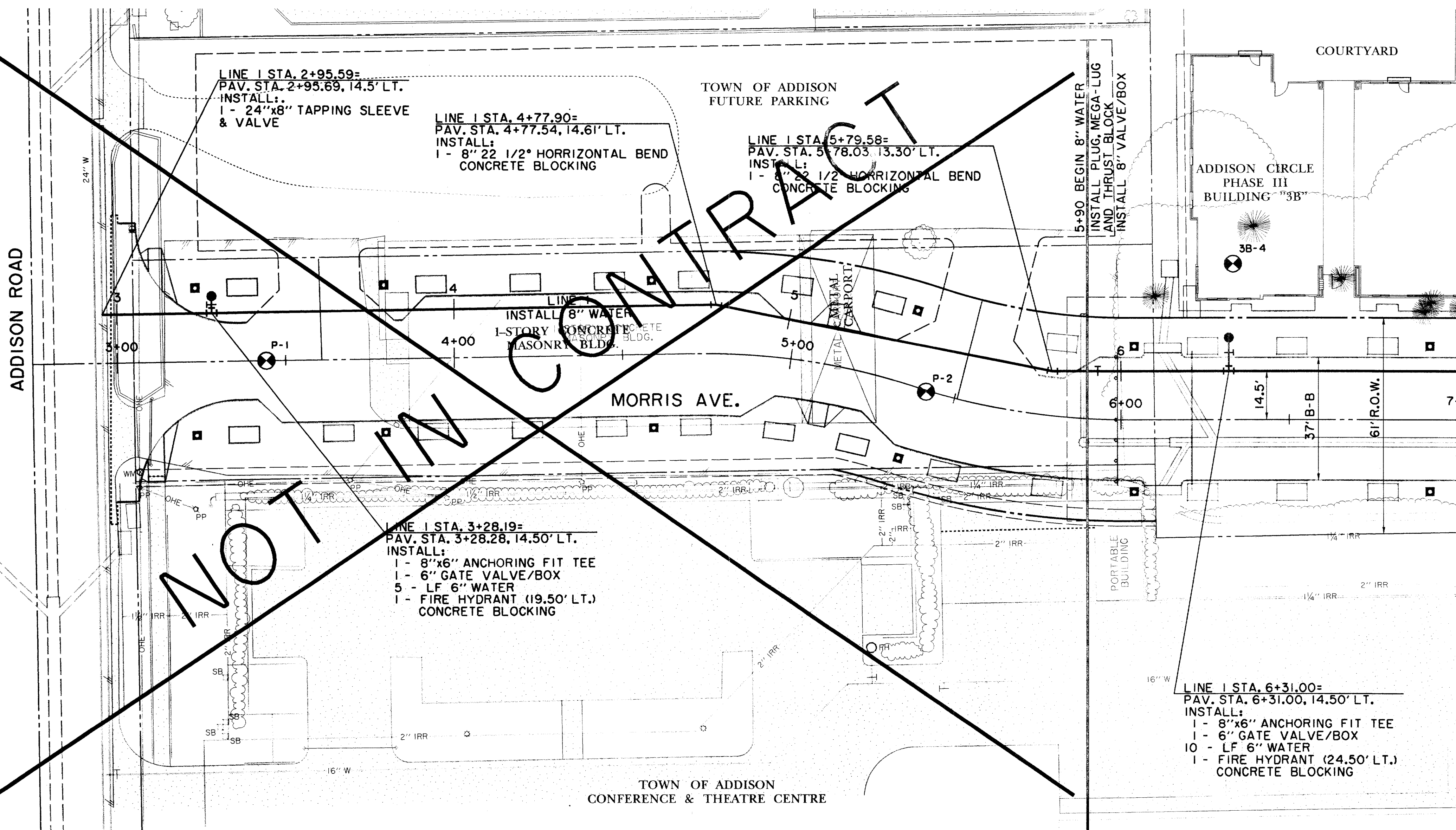
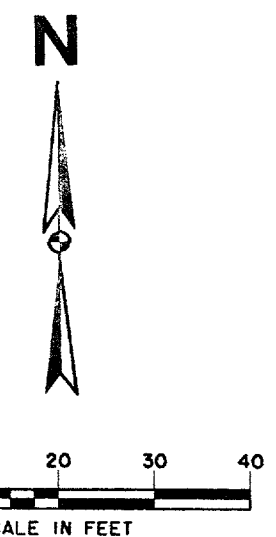
25+00

PROJECT: 01-1822-50
DATE: 03/17/99
DRAWN BY: HZI
CHECKED BY: DEM
SCALE: 1"=50'

NO. OF SHEETS: 10
NO. OF THIS SHEET: 1

PROJECT: 01-1822-50
DATE: 03/17/99
DRAWN BY: HZI
CHECKED BY: DEM
SCALE: 1"=50'

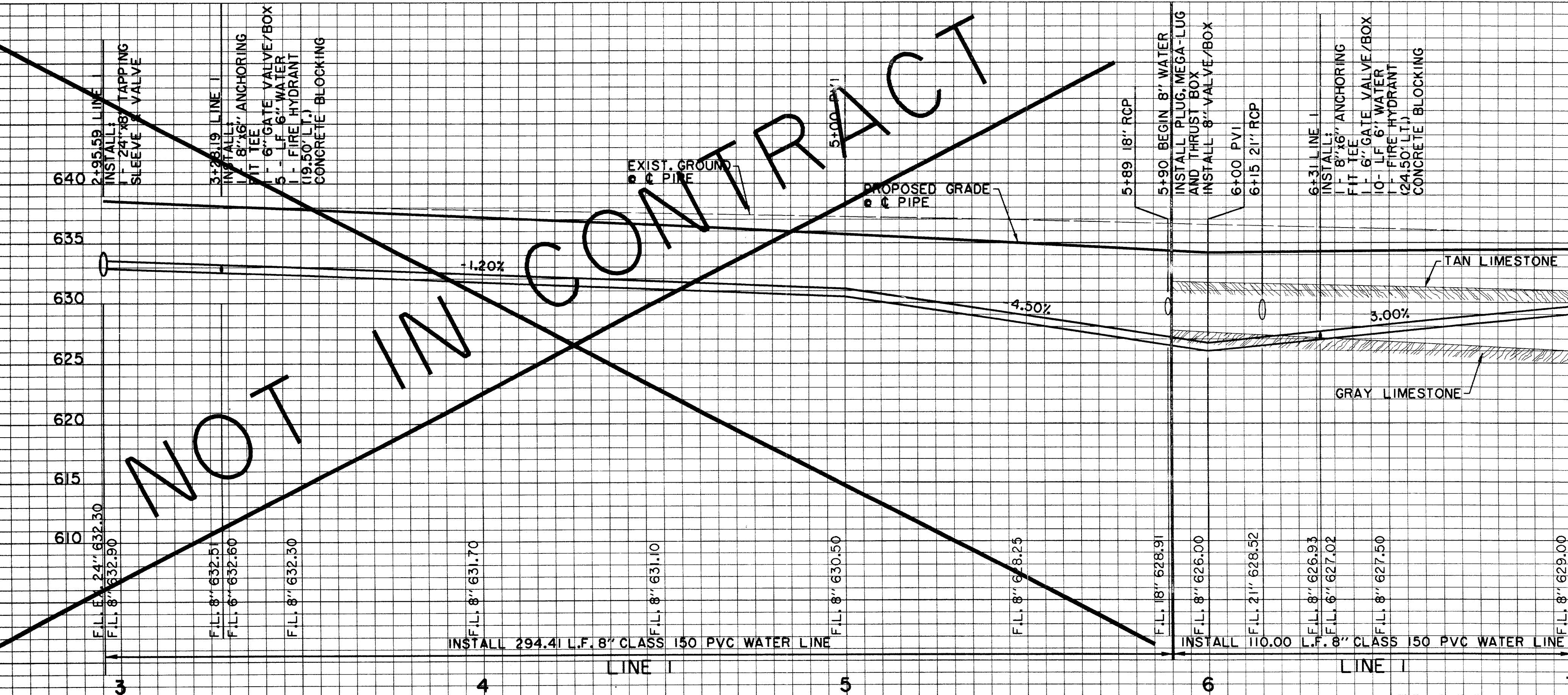
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5/17/99	ISSUED FOR BID	N/A
WATER & WASTEWATER SITE PLAN		
ADDISON CIRCLE		
PHASE II-B PUBLIC INFRASTRUCTURE		
TOWN OF ADDISON, TEXAS		
DESIGN	DRAWN	APPR.
HZI	HZI	DEM
SCALE	DATE	PROJECT NO.
1"=50'	MAR. 99	01-1822-50
NO.	WI	



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

MATCH LINE PAV. STA. 7+00.00 = LINE 1 STA. 7+00.00

RECORD DRAWING



MATCH LINE PAV. STA. 7+00.00 = LINE 1 STA. 7+00.00

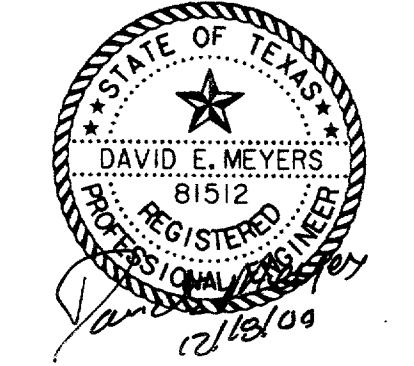
BENCHMARKS:

BM#5
"C" CUT ON 8" INLET ON NORTH CURB LINE OF GOODMAN AVE. 75' EAST OF PASCHAL PLACE. ELEV. 629.98

BM#6
"C" CUT AT C OF 8" INLET AT THE SOUTHWEST CORNER OF MORRIS AVE. AND WITT PLACE. ELEV. 627.29

BM#7
"C" CUT AT WEST CORNER OF ADDISON THEATRE CENTRE PARKING LOT, SECOND ENTRANCE NORTH OF ADDISON RD. ELEV. 637.66

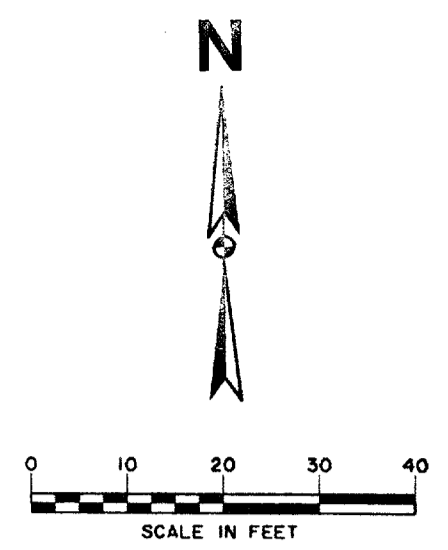
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512



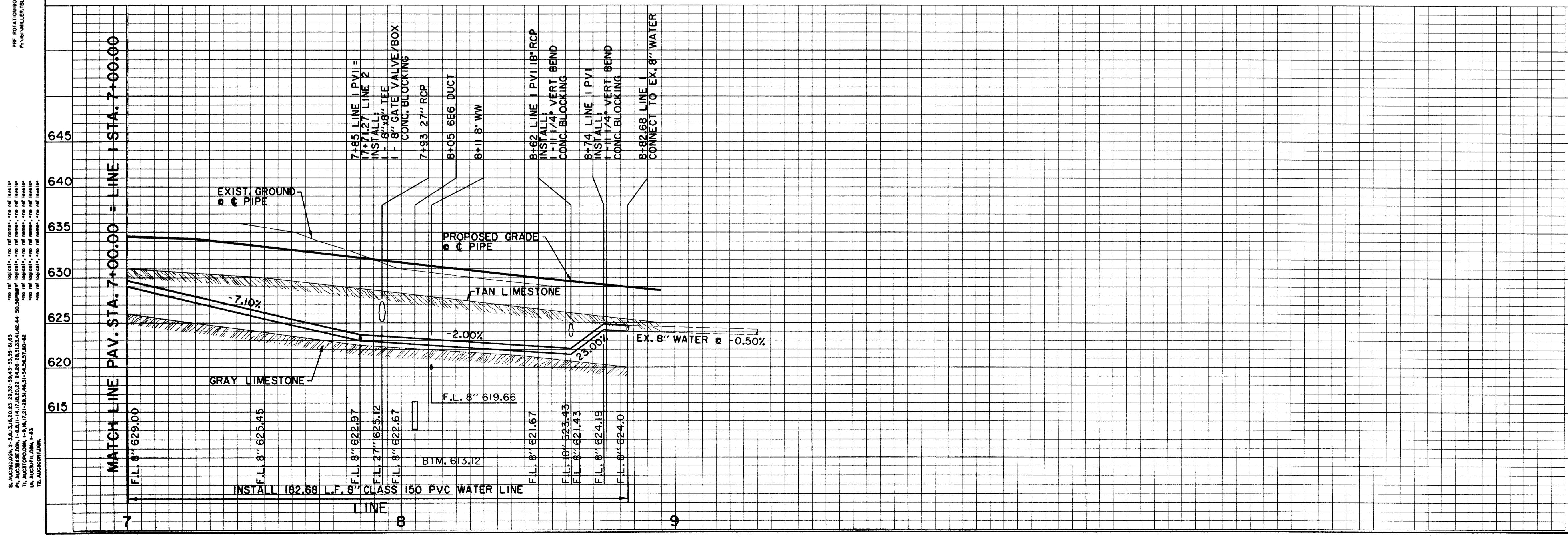
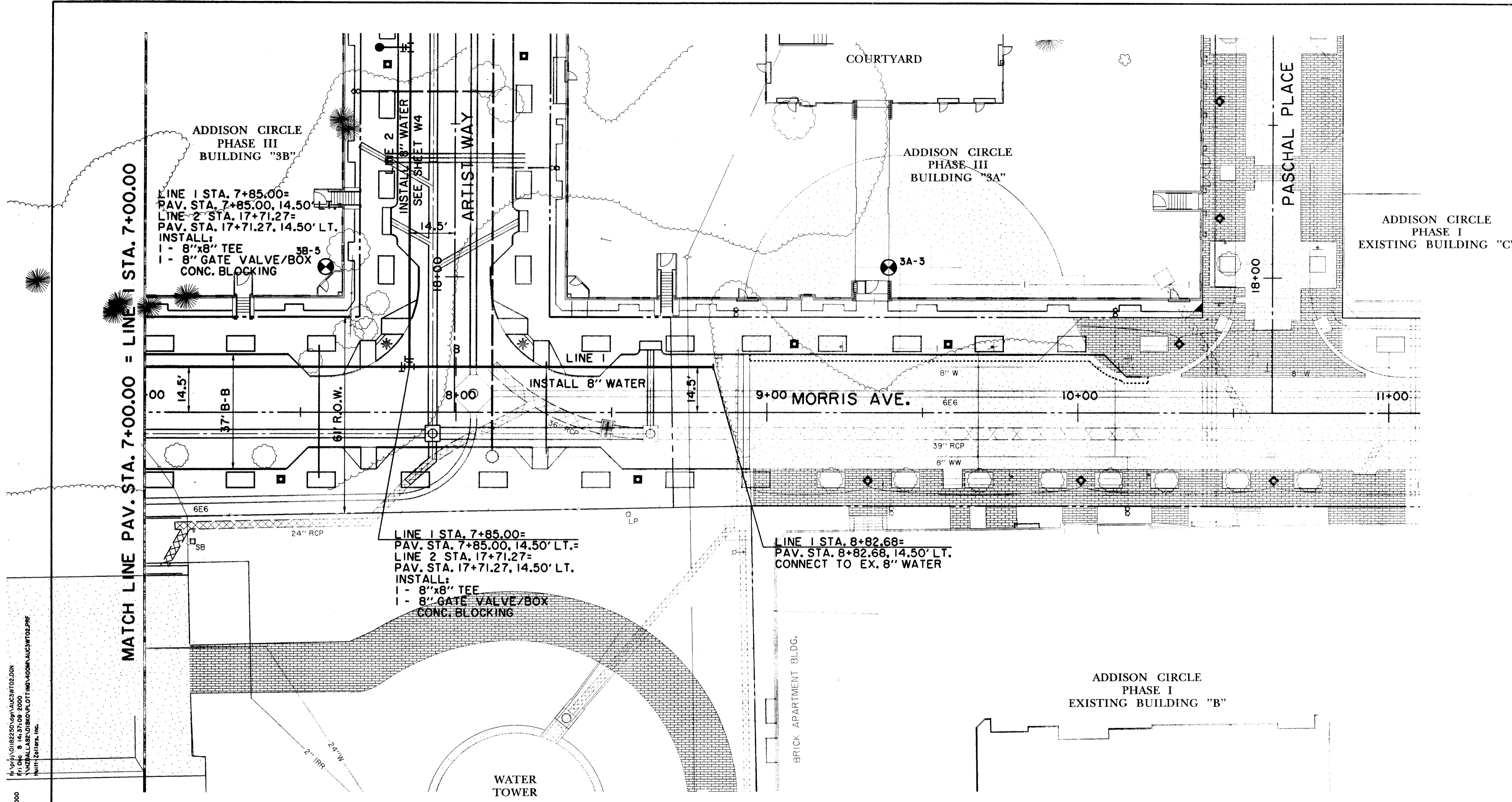
DATE	DESCRIPTION	REF NO.
6/23/99	ISSUED FOR CONSTRUCTION	N/A
5/17/99	ISSUED FOR BID	N/A

WATER PLAN & PROFILE						
LINE 1 - MORRIS AVE.						
ADDISON CIRCLE						
PHASE II-B PUBLIC INFRASTRUCTURE						
TOWN OF ADDISON, TEXAS						
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	H ₁ 1"=20' V ₁ 1"=6'	MAR. 99	01-1822-50	W2


HUITT-ZOLLERS, INC. 3131 MCKINNEY AVE., SUITE 600, DALLAS, TX 75204
 PHONE (214) 871-3311/FAX (214) 871-0757
 PROJECT NO. 01-1822-50 DRAWING NO. W2
 DATE: 03/15/99
 PROJECT: ADDISON CIRCLE PHASE II-B PUBLIC INFRASTRUCTURE
 TOWN OF ADDISON, TEXAS
 SHEET NO. 1 OF 1



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

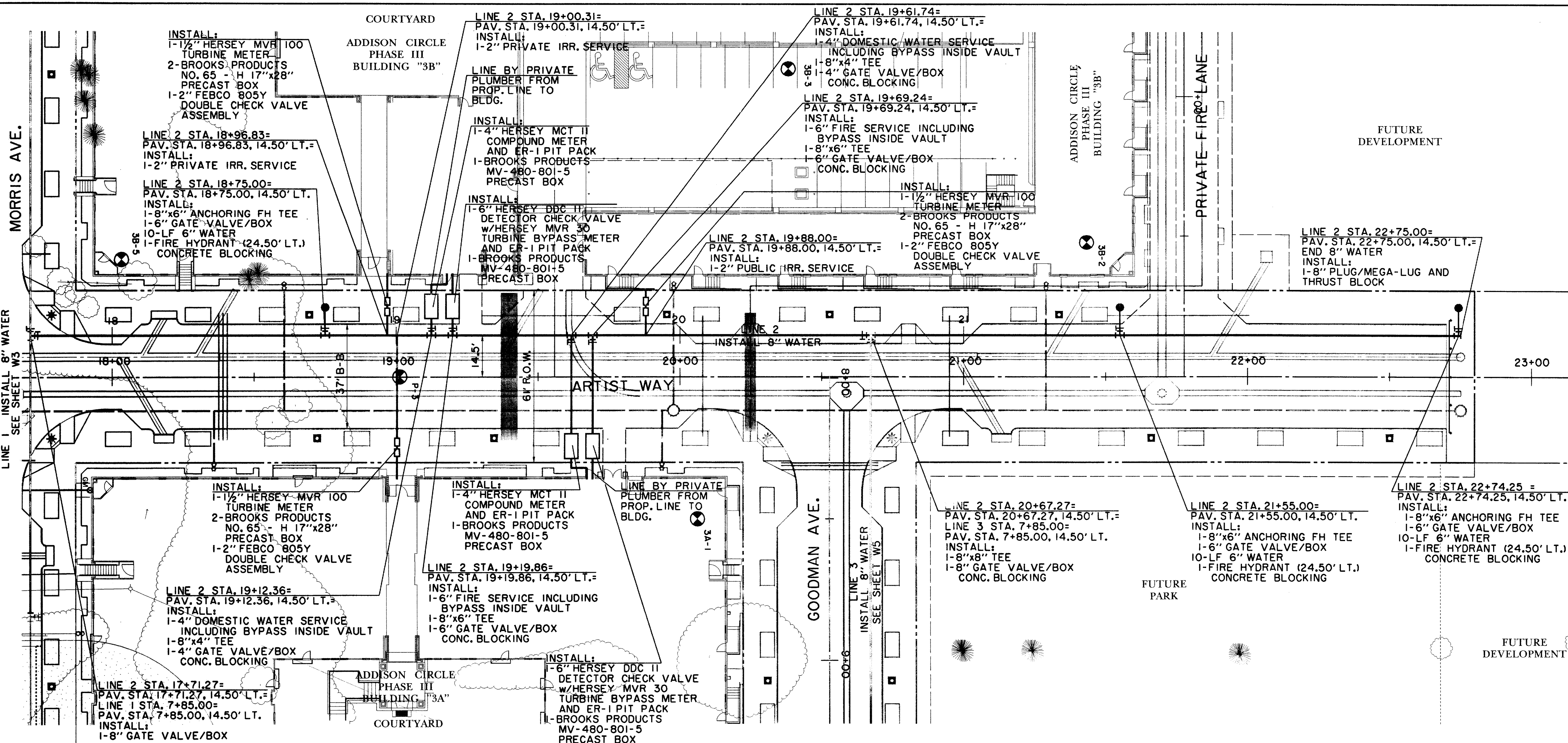


RECORD DRAWING

BENCHMARKS:						
645	BM#5 "C" CUT ON 8" INLET ON NORTH CURB LINE OF GOODMAN AVE. ±75' EAST OF PASCHAL PLACE. ELEV. 629.98	THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512 				
640	BM#6 "C" CUT AT C OF 8" INLET AT THE SOUTHWEST CORNER OF MORRIS AVE. AND WITT PLACE. ELEV. 627.29					
640	BM#7 "C" CUT AT WEST CORNER OF ADDISON THEATRE CENTRE PARKING LOT, SECOND ENTRANCE NORTH OF ADDISON RD. ELEV. 637.66					
DATE	DESCRIPTION	REF. NO.				
635						
630						
625						
620	6/23/99 ISSUED FOR CONSTRUCTION	N/A				
620	5/17/99 ISSUED FOR BID	N/A				
615	WATER PLAN & PROFILE LINE 1 - MORRIS AVE. ADDISON CIRCLE PHASE II-B PUBLIC INFRASTRUCTURE TOWN OF ADDISON, TEXAS					
<small>HUTT Zoltgrs, Inc. 3131 McKinney Ave., Suite 600, Dallas, TX 75204 Phone (214) 871-3311/Fax (214) 871-0757</small>						
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
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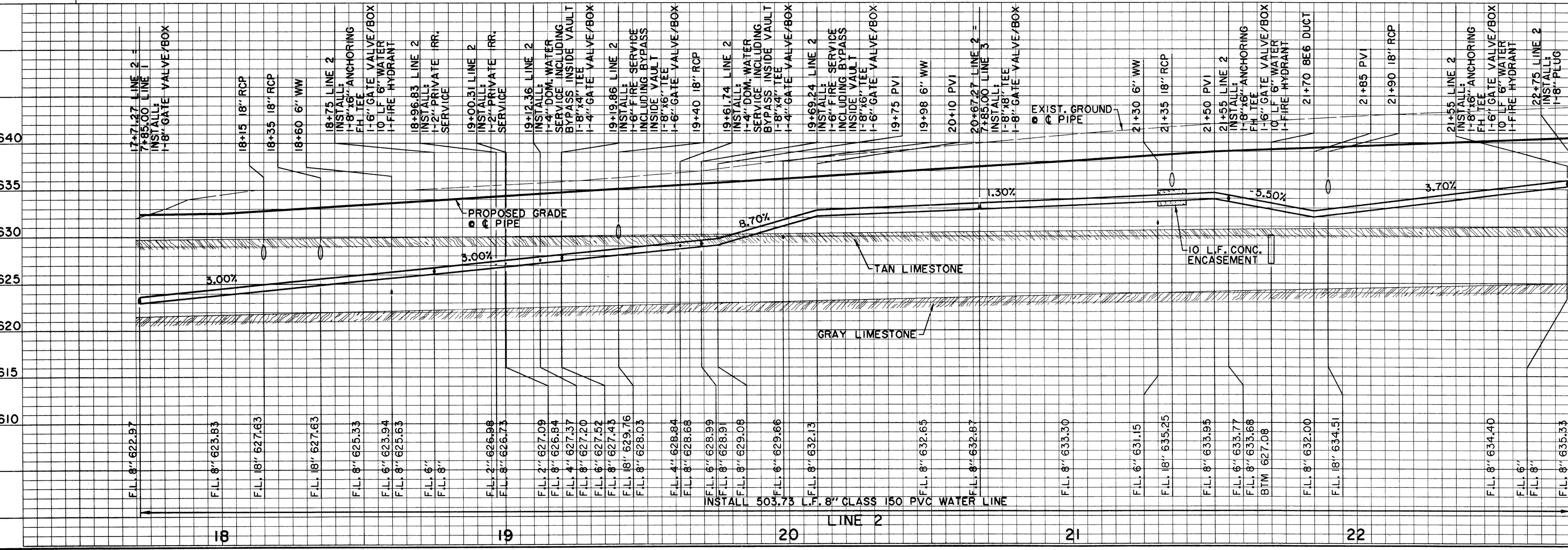
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 3. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND DECIMALS THEREOF.
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 8. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND DECIMALS THEREOF.
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 10. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND DECIMALS THEREOF.

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 10. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND DECIMALS THEREOF.



NOTE: ① METERS, METER BOXES, VAULT AND BACKFLOW PREVENTION ASSEMBLIES TO BE INSTALLED AND TESTED PER TOWN OF ADDISON GENERAL REQUIREMENTS.
 ② BACKFLOW PREVENTION ASSEMBLY FOR DOMESTIC SERVICE TO BE INSTALLED INSIDE BLDG. BY PRIVATE DEVELOPER.

RECORD DRAWING



BENCHMARKS:

BM#5
"I" CUT ON 8" INLET ON NORTH CURB LINE OF GOODMAN AVE. +75' EAST OF PASCHAL PLACE. ELEV. 629.98

BM#6
"I" CUT AT C/O OF 8" INLET AT THE SOUTHWEST CORNER OF MORRIS AVE. AND WITT PLACE. ELEV. 627.29

BM#7
"I" CUT AT WEST CORNER OF ADDISON THEATRE CENTRE PARKING LOT, SECOND ENTRANCE NORTH OF ADDISON RD. ELEV. 637.66

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

DATE	DESCRIPTION	REF. NO.
6/23/99	ISSUED FOR CONSTRUCTION	N/A
5/17/99	ISSUED FOR BID	N/A

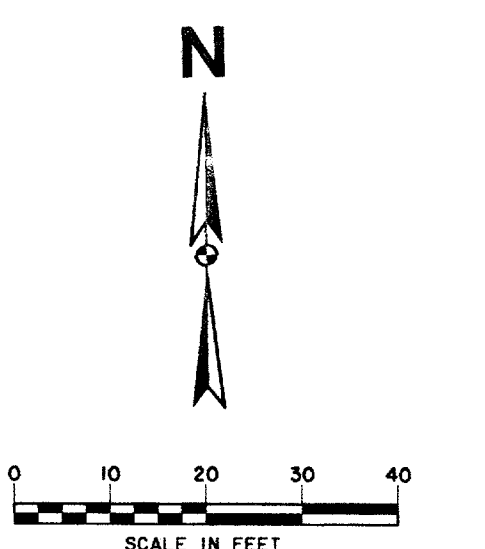
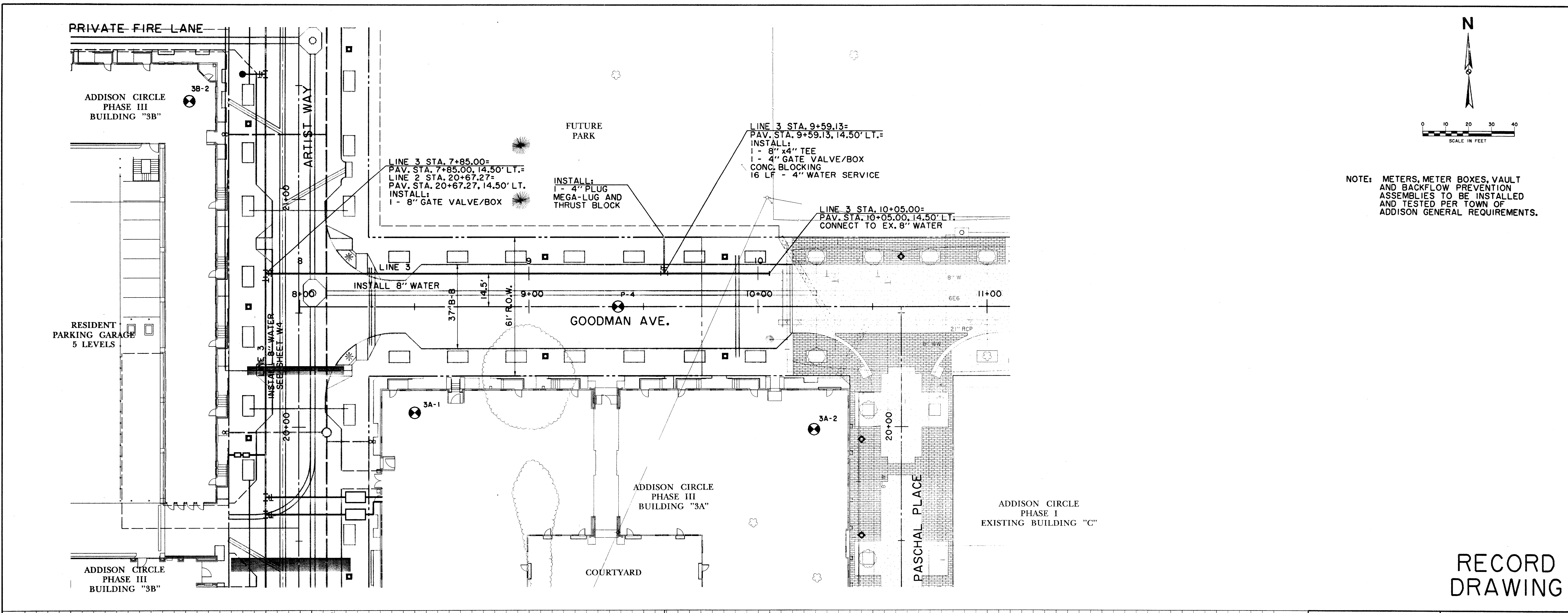
WATER PLAN & PROFILE
LINE 2 - ARTIST WAY
ADDISON CIRCLE
PHASE II-B PUBLIC INFRASTRUCTURE
TOWN OF ADDISON, TEXAS

HUNT - ZOLLERS, INC.
 3131 McKinney Ave., Suite 600, Dallas, TX 75204
 Phone (214) 871-3311/Fax (214) 871-0757

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
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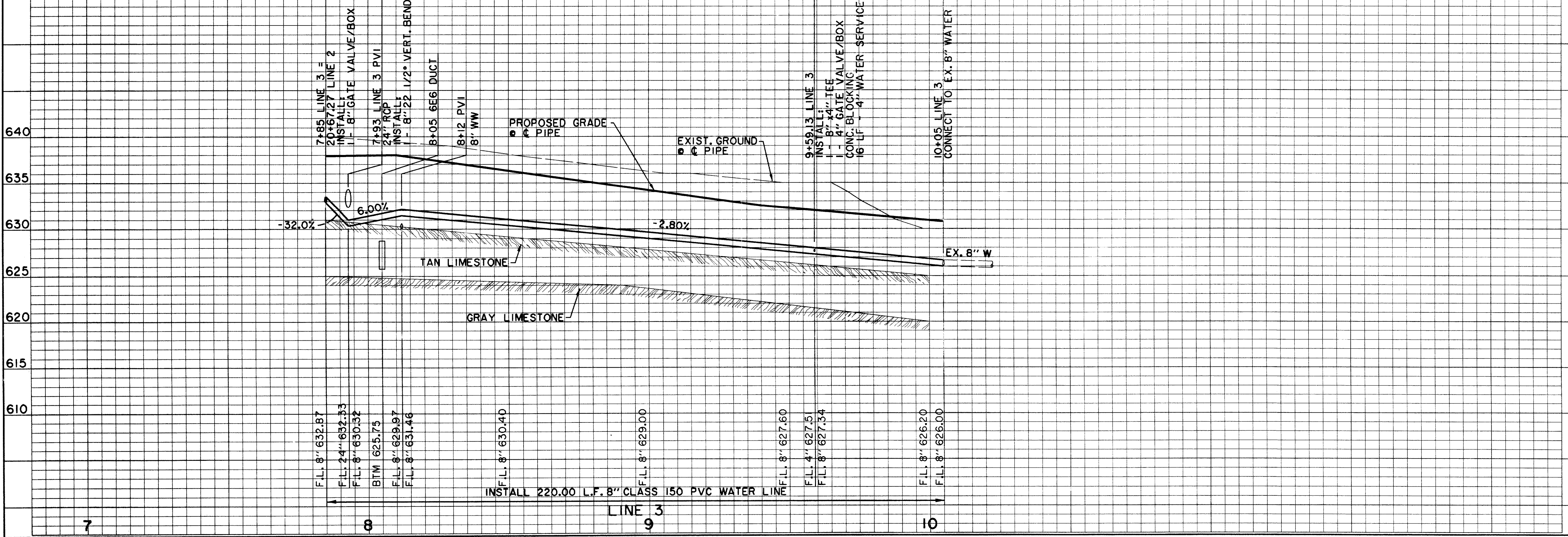
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 U. AUC300001-1-8.18.17.21-53.1.63.1.63.1-54.36.37.80-82
 V. AUC300001-1-8.18.17.21-53.1.63.1.63.1-54.36.37.80-82
 W. AUC300001-1-8.18.17.21-53.1.63.1.63.1-54.36.37.80-82
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 Z. AUC300001-1-8.18.17.21-53.1.63.1.63.1-54.36.37.80-82
 REF. ROTATIONS: 800000
 F. HUNT-MILLER, INC.
 12100 W. HUNT
 FORT WORTH, TX 76116

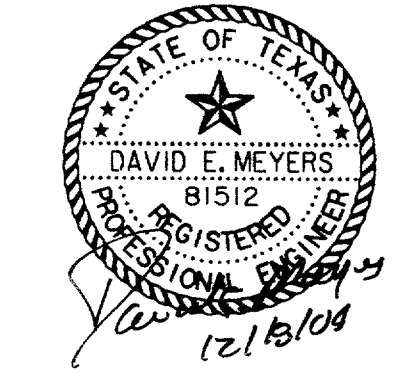
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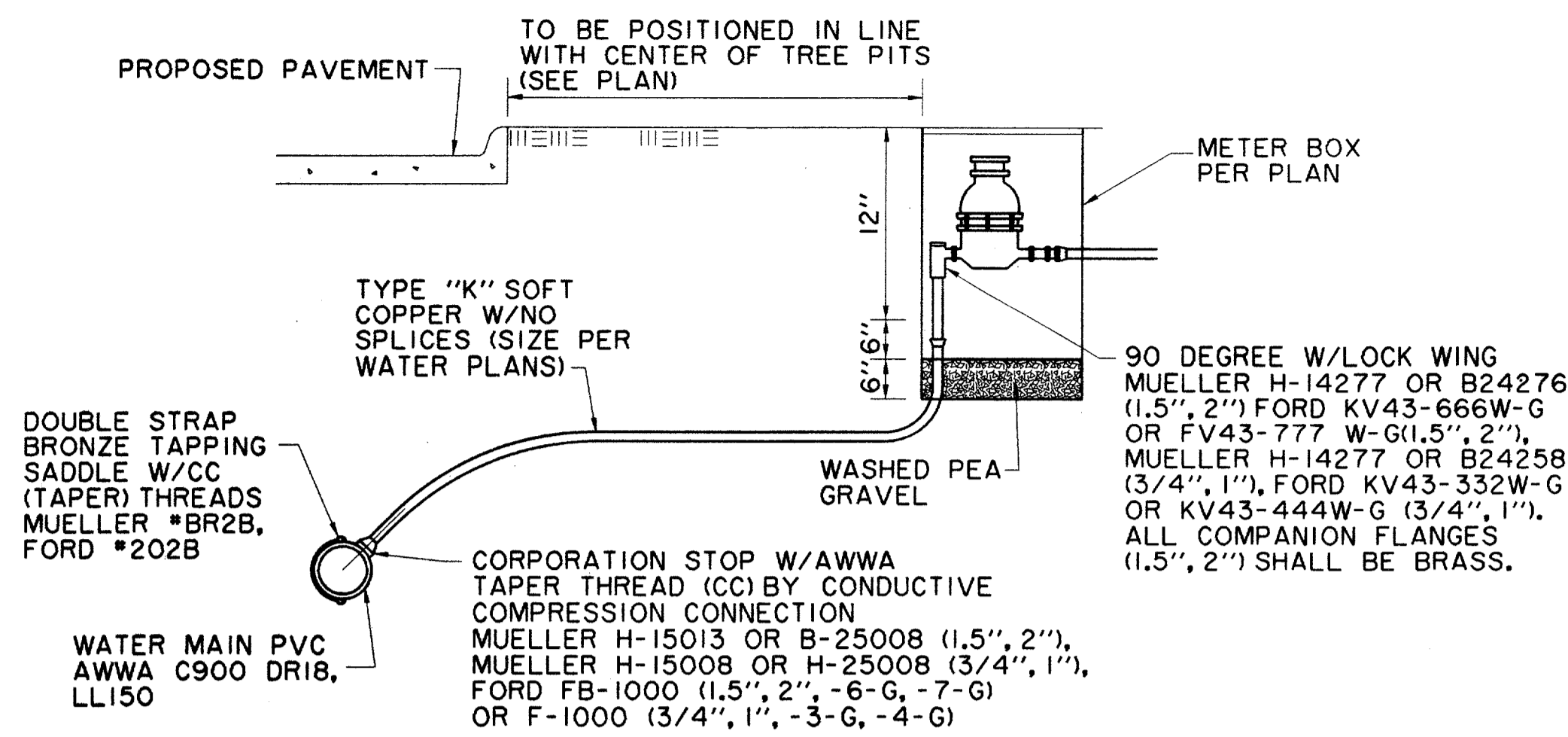


NOTE: METERS, METER BOXES, VAULT AND BACKFLOW PREVENTION ASSEMBLIES TO BE INSTALLED AND TESTED PER TOWN OF ADDISON GENERAL REQUIREMENTS.

RECORD DRAWING



BENCHMARKS:			
640	BM*5 "C" CUT ON 8" INLET ON NORTH CURB LINE OF GOODMAN AVE. 75' EAST OF PASCHAL PLACE. ELEV. 629.98	THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512 	
640	BM*6 "C" CUT AT E OF 8" INLET AT THE SOUTHWEST CORNER OF MORRIS AVE. AND WITT PLACE. ELEV. 627.29		
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630	DATE	DESCRIPTION	REF NO.
625			
620			
615	6/23/99	ISSUED FOR CONSTRUCTION	N/A
610	5/17/99	ISSUED FOR BID	N/A
WATER PLAN & PROFILE			
LINE 3 - GOODMAN AVE.			
ADDISON CIRCLE			
PHASE II-B PUBLIC INFRASTRUCTURE			
TOWN OF ADDISON, TEXAS			
<small>Huitt - Zolliors, Inc. 3131 McKinney Ave., Suite 600, Dallas, TX 75204 Phone (214) 671-3311/Fax (214) 671-0757</small>			
DESIGN	DRAWN	APPR.	SCALE
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DATE	PROJECT NO.	NO.	
MAR. 99	01-1822-50	W5	

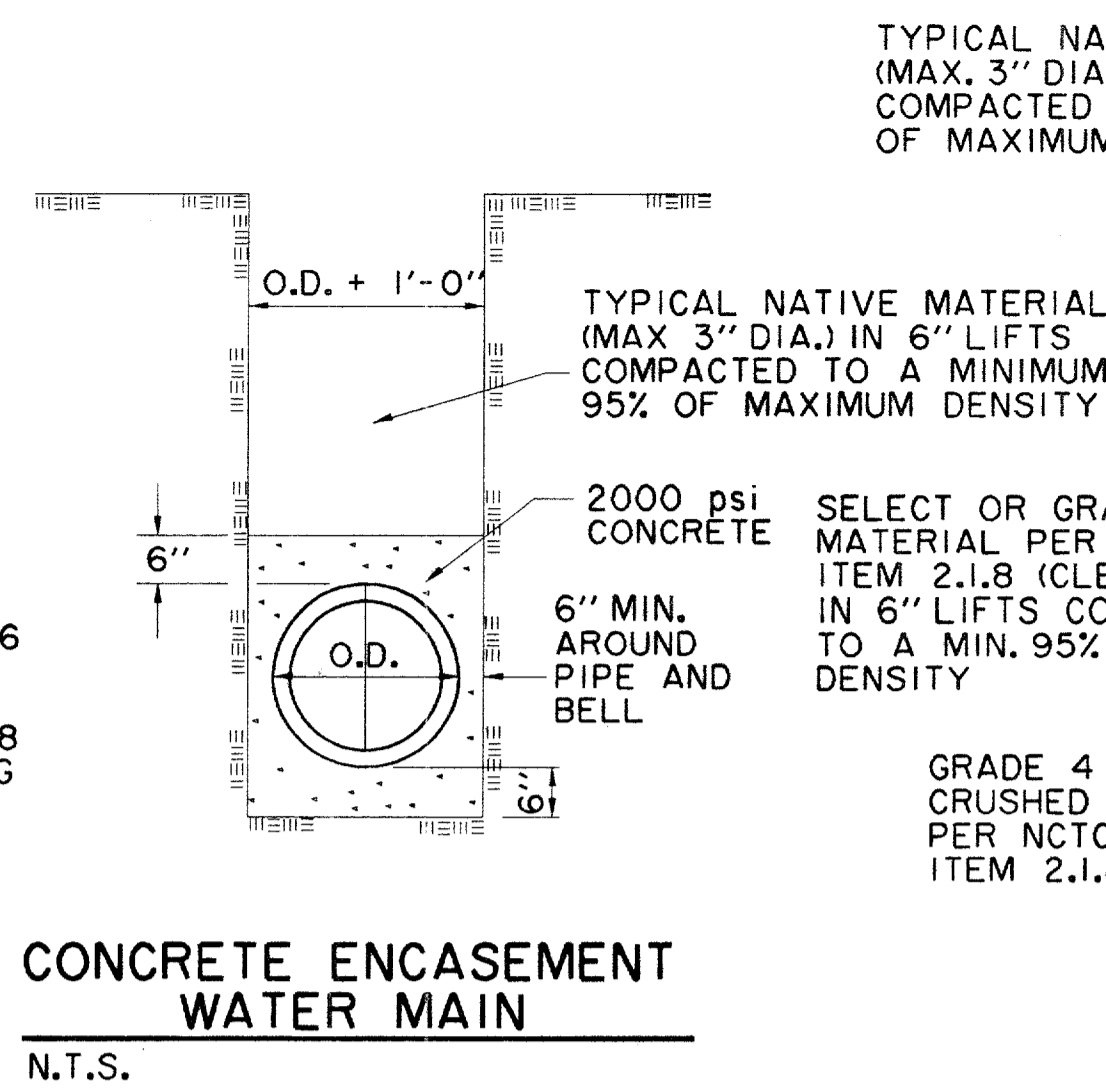


NOTE:

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.

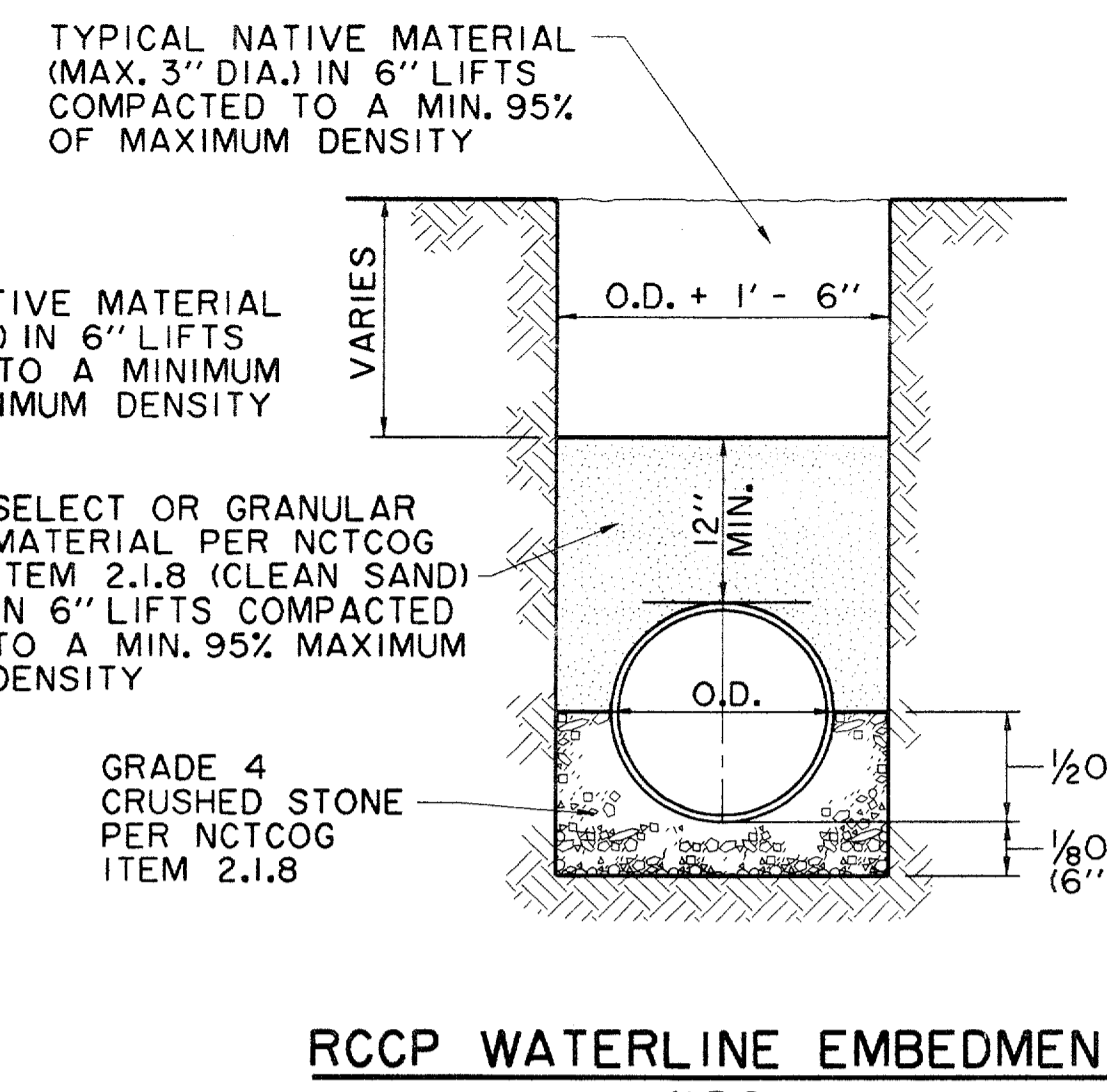
TYPICAL WATER SERVICE DETAIL UP TO 2" METER

N.T.S.



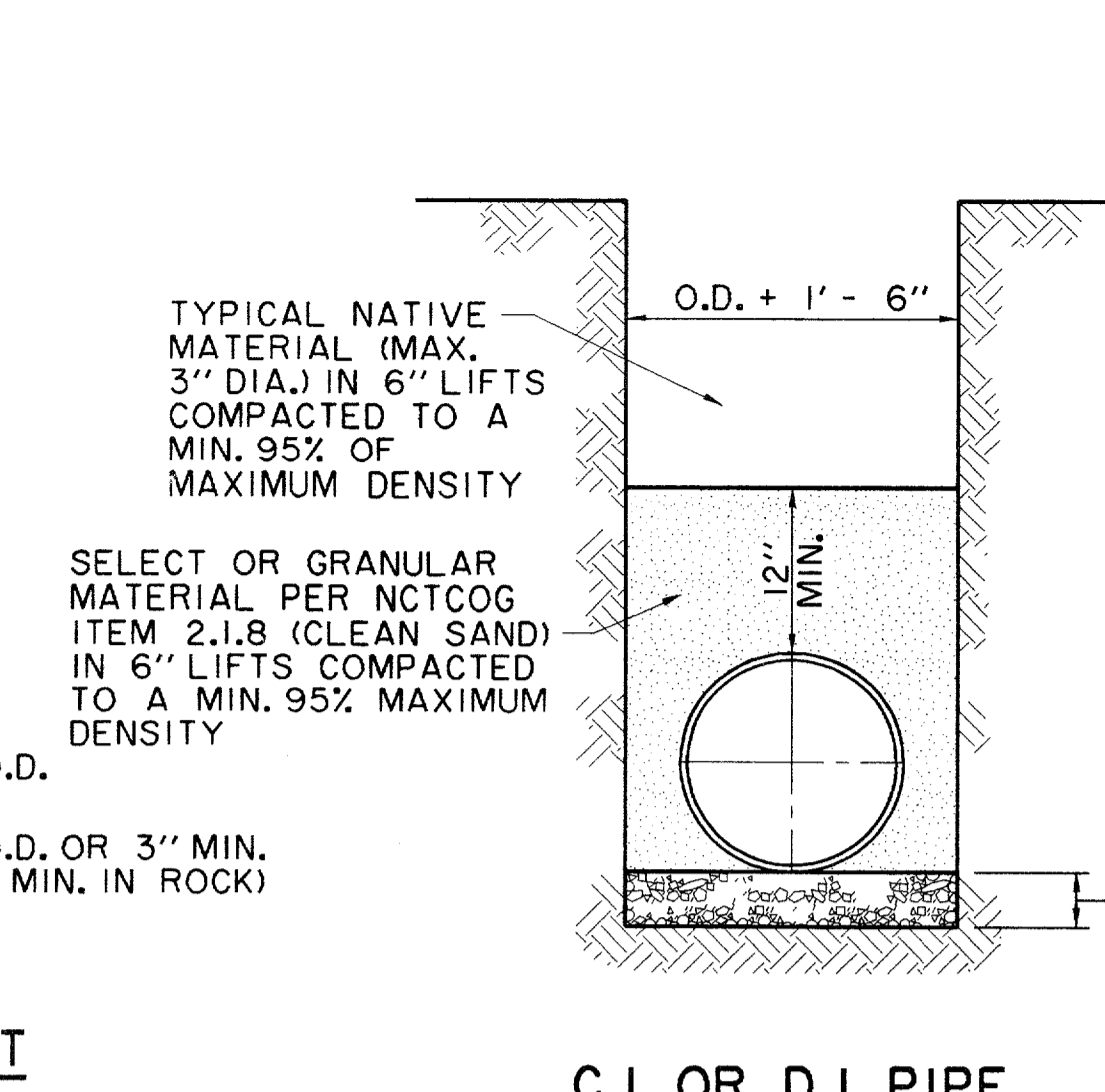
CONCRETE ENCASEMENT WATER MAIN

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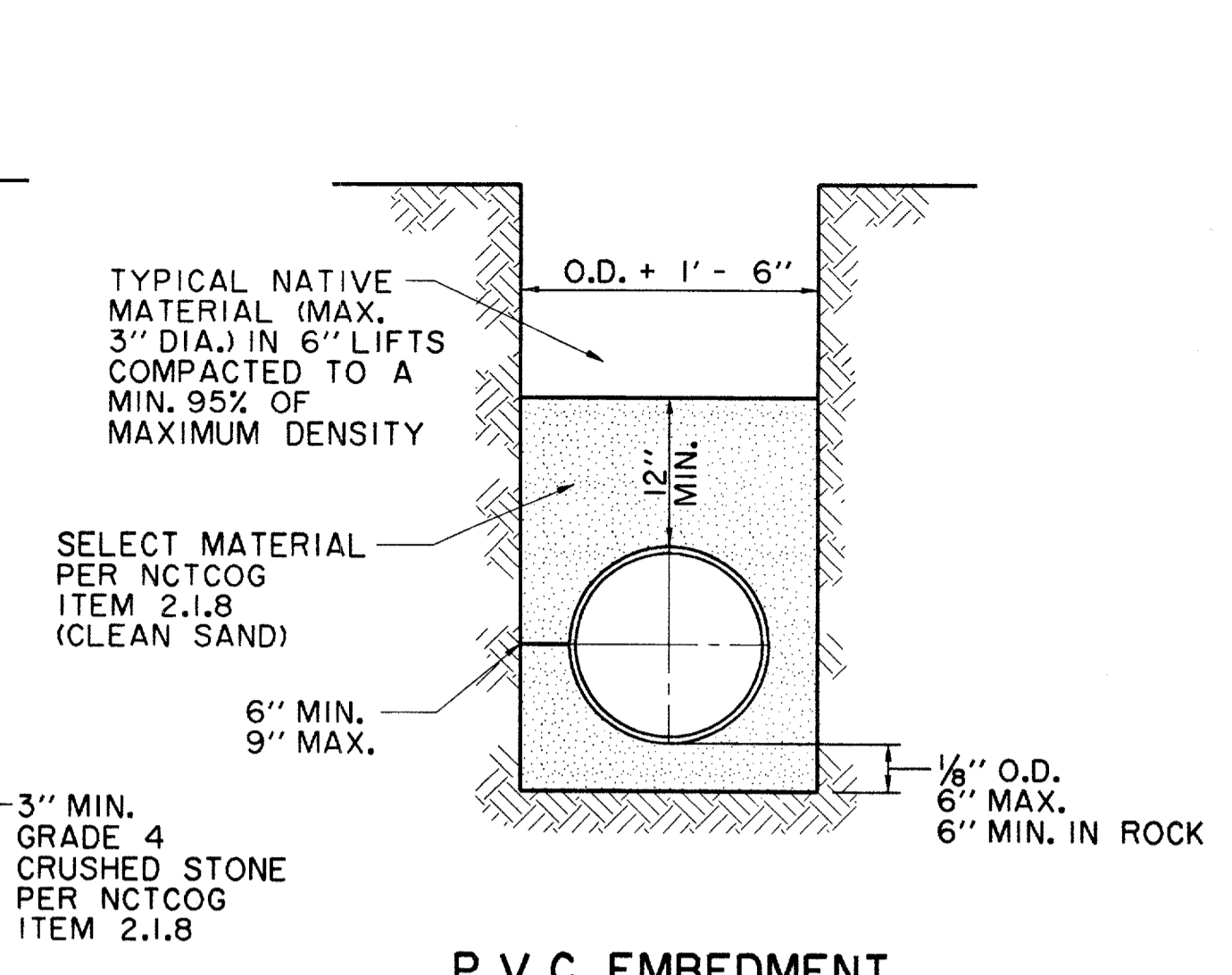
RCCP WATERLINE EMBEDMENT

N.T.S.



C.I. OR D.I. PIPE

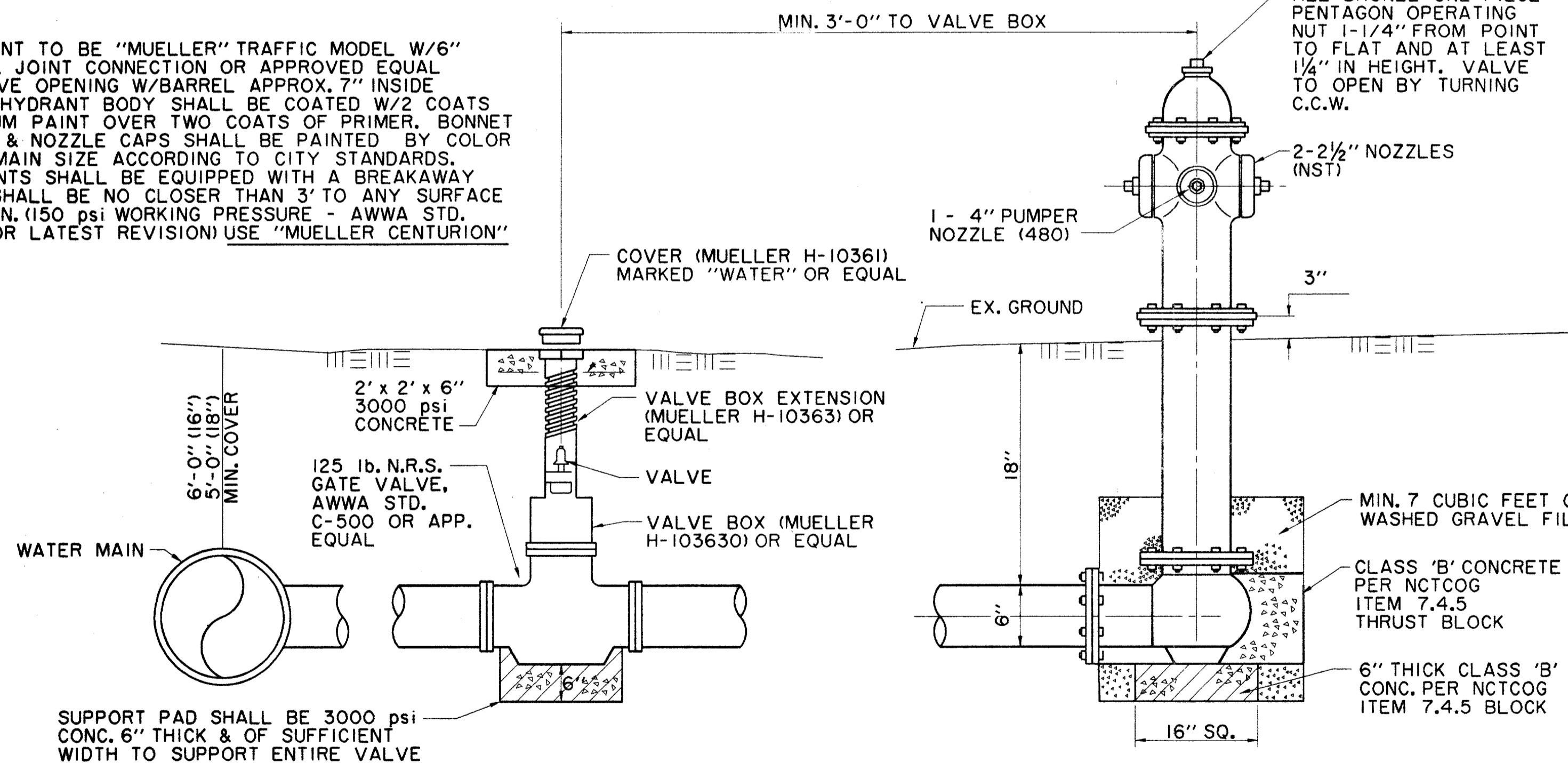
N.T.S.



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"



VALVE BOX DETAIL

N.T.S.

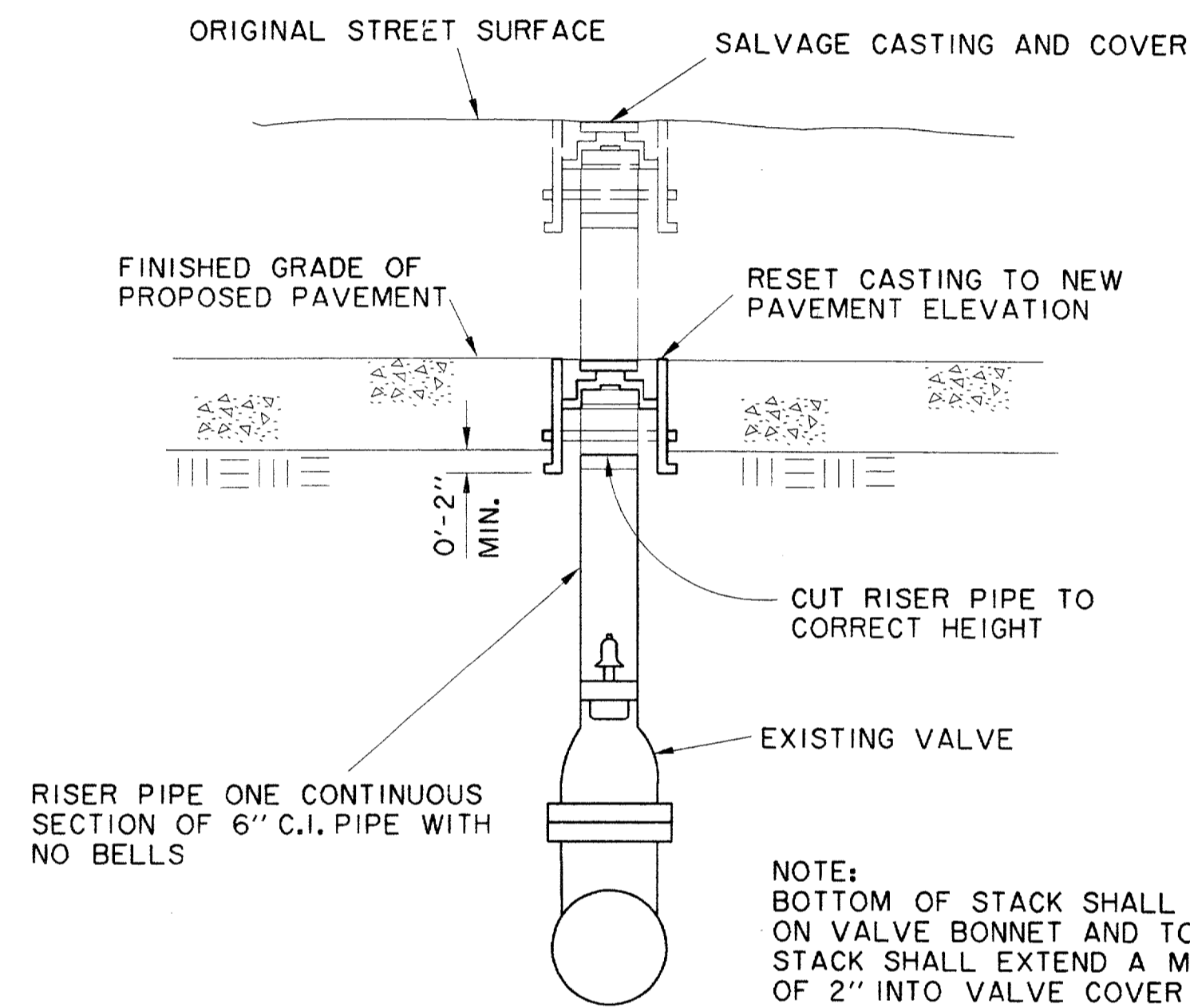
(SEE PLANS FOR "MAIN SIZE")

TYPICAL FIRE HYDRANT INSTALLATION

N.T.S.

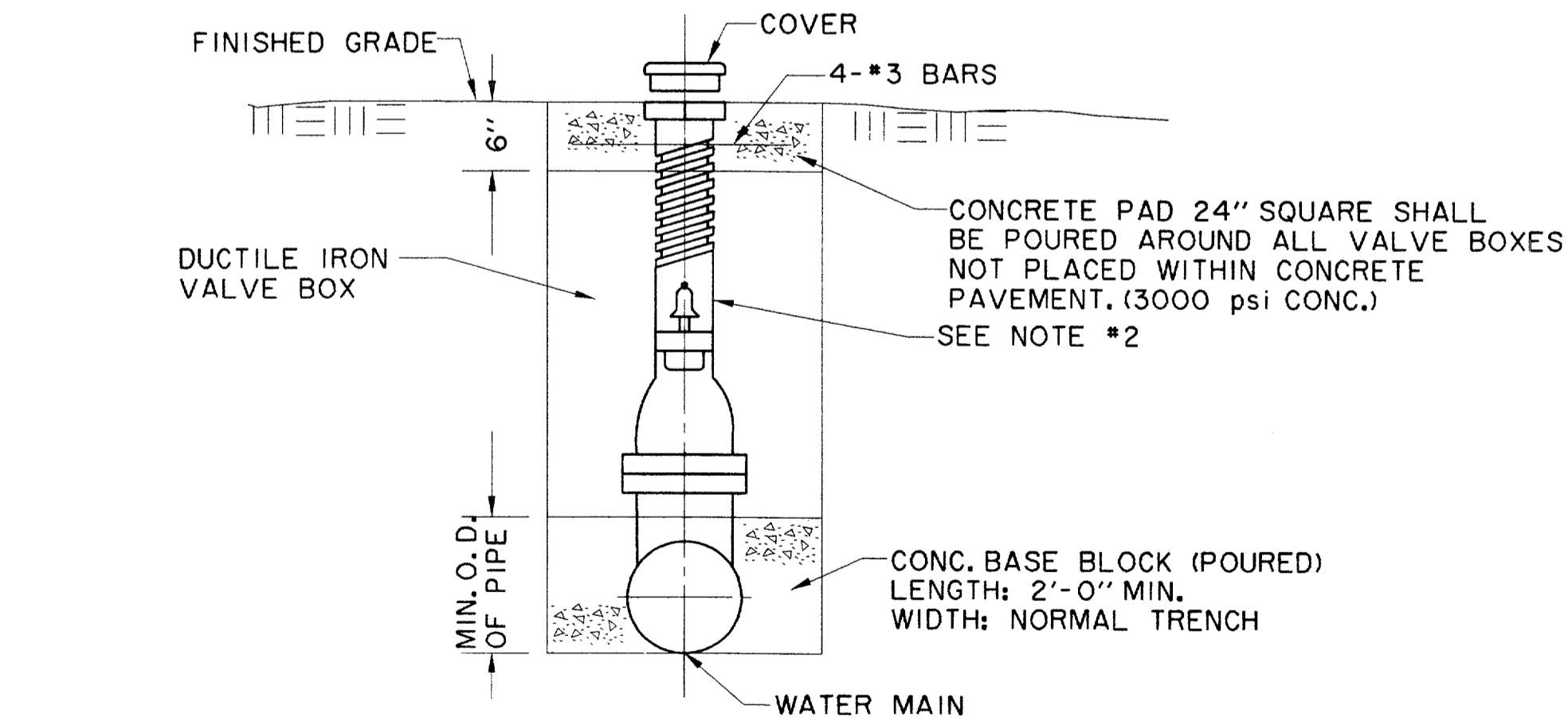
GENERAL NOTES:

1. ϕ 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.

RECORD DRAWING

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



DATE	DESCRIPTION	REF. NO.
6/23/99	ISSUED FOR CONSTRUCTION	N/A
5/17/99	ISSUED FOR BID	N/A

WATER DETAILS

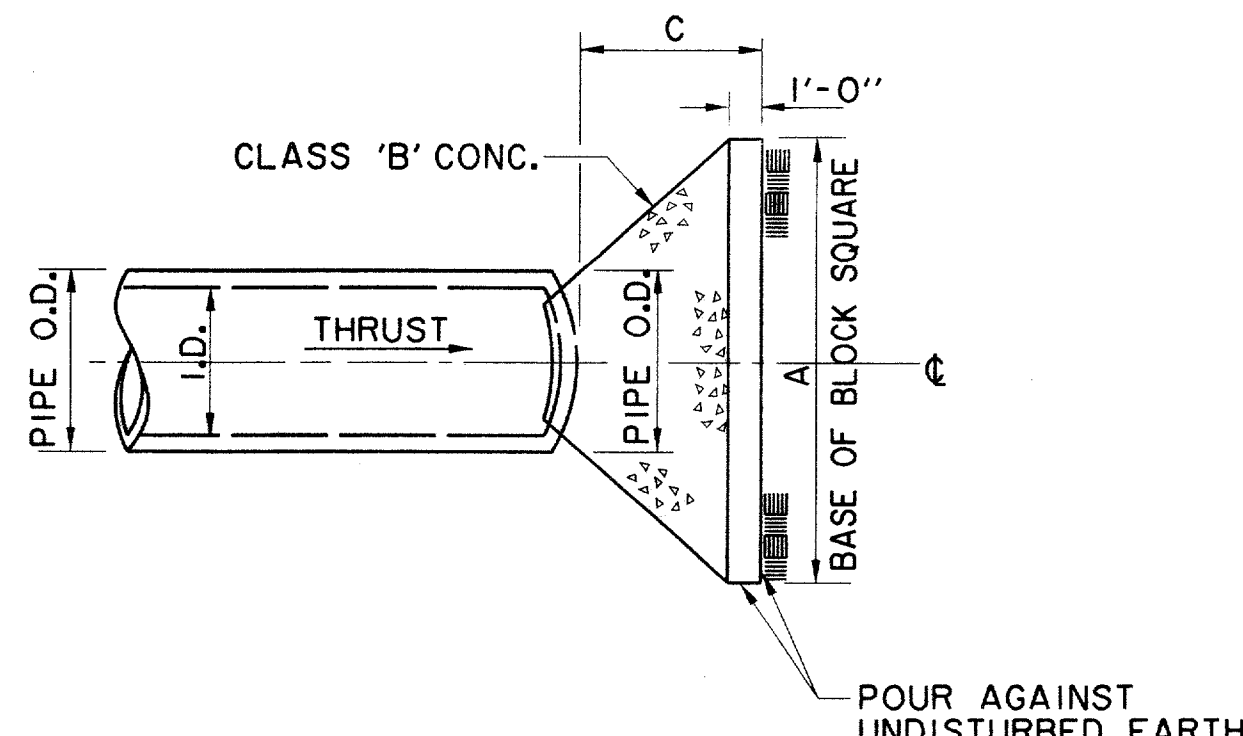
ADDISON CIRCLE

PHASE II-B PUBLIC INFRASTRUCTURE

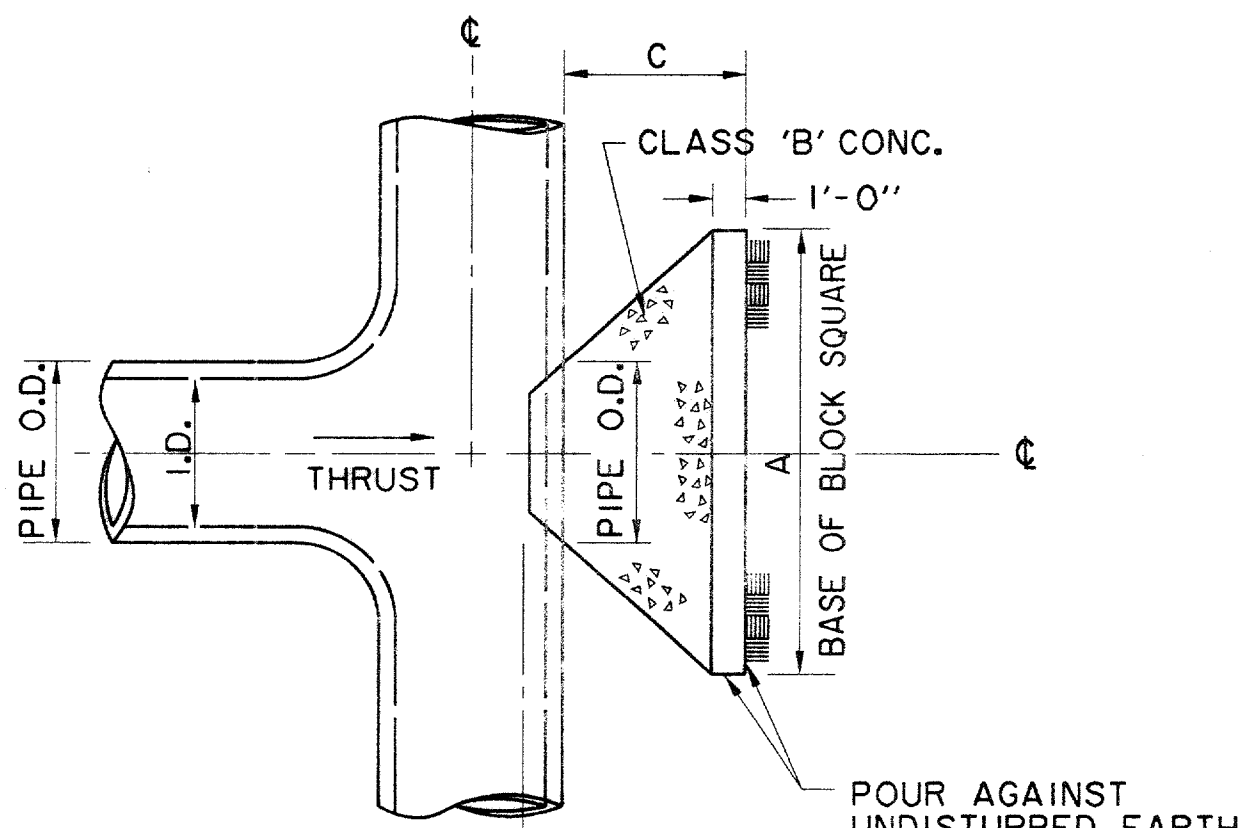
TOWN OF ADDISON, TEXAS

Hull - Zottlers, Inc.
3131 McKinney Ave., Suite 600, Dallas, TX 75204
Phone: (214) 871-3311 Fax: (214) 871-0757

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	N.T.S.	MAR. 99	01-1822-50	W6

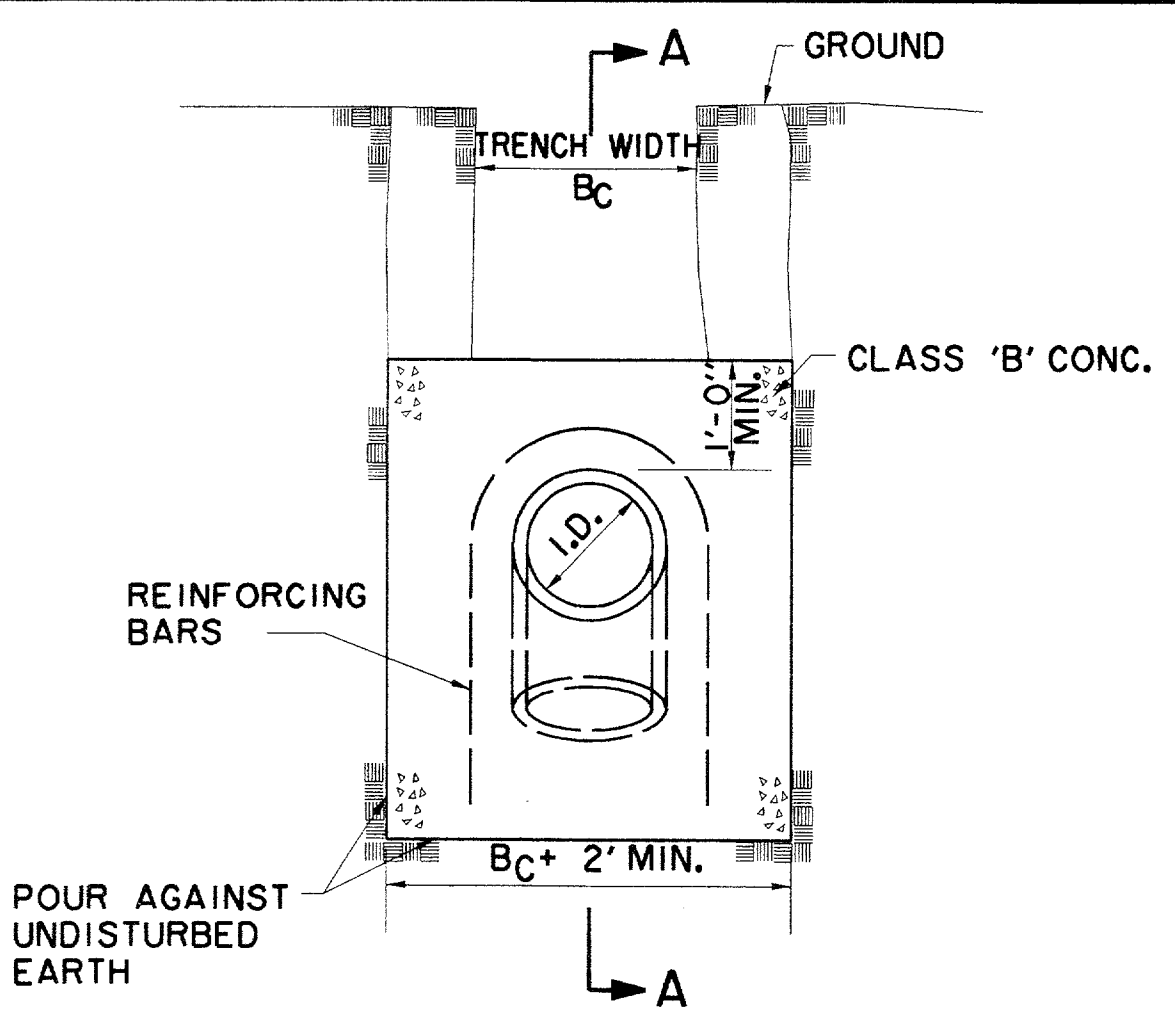


PLAN OF PLUG THRUST BLOCK
N.T.S.

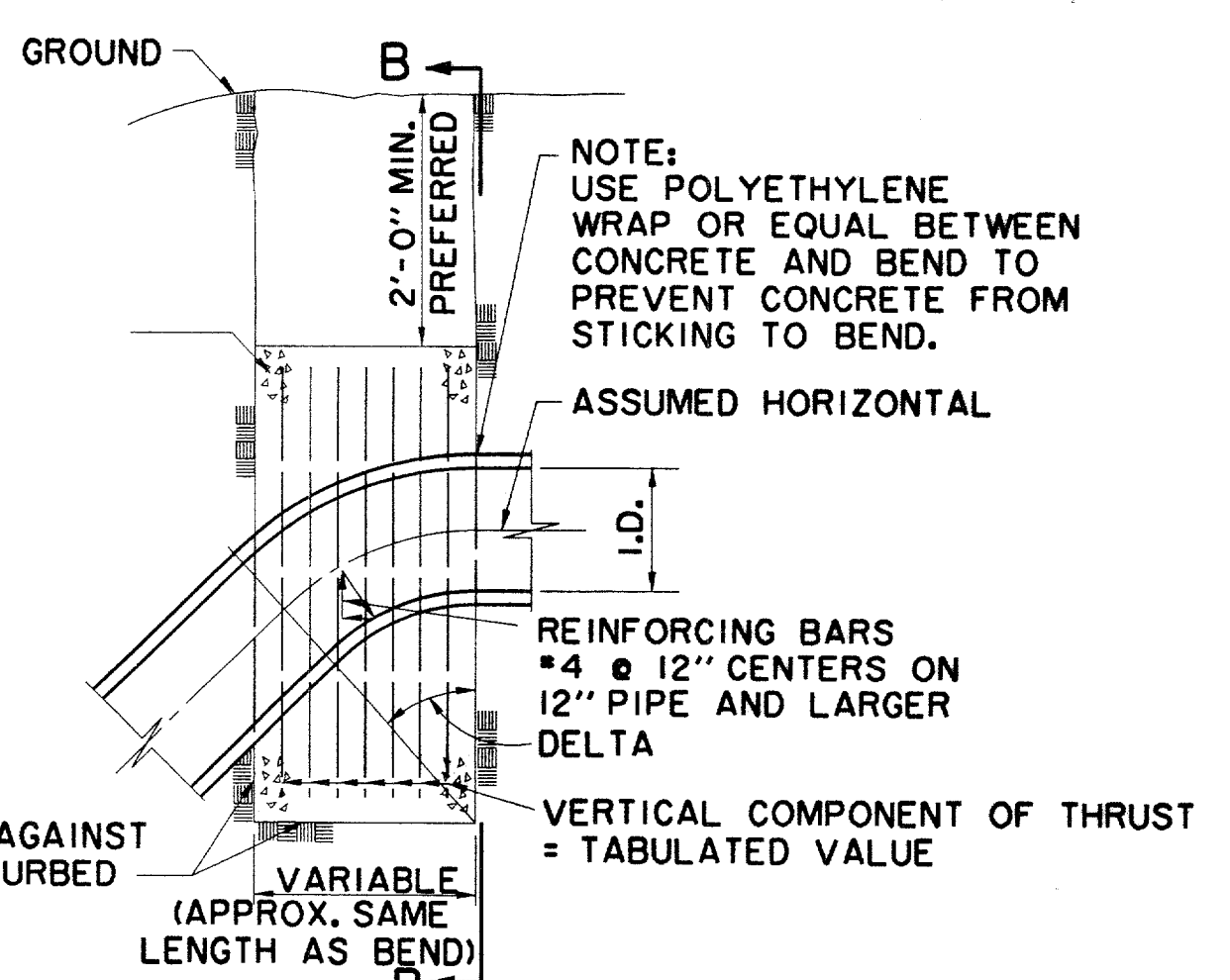


PLAN OF TEE THRUST BLOCK
N.T.S.

I.D. (IN.)	THRUST TONS	C. FT.	EARTH		ROCK	
			A. FT.	VOL. C.Y.	A. 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.

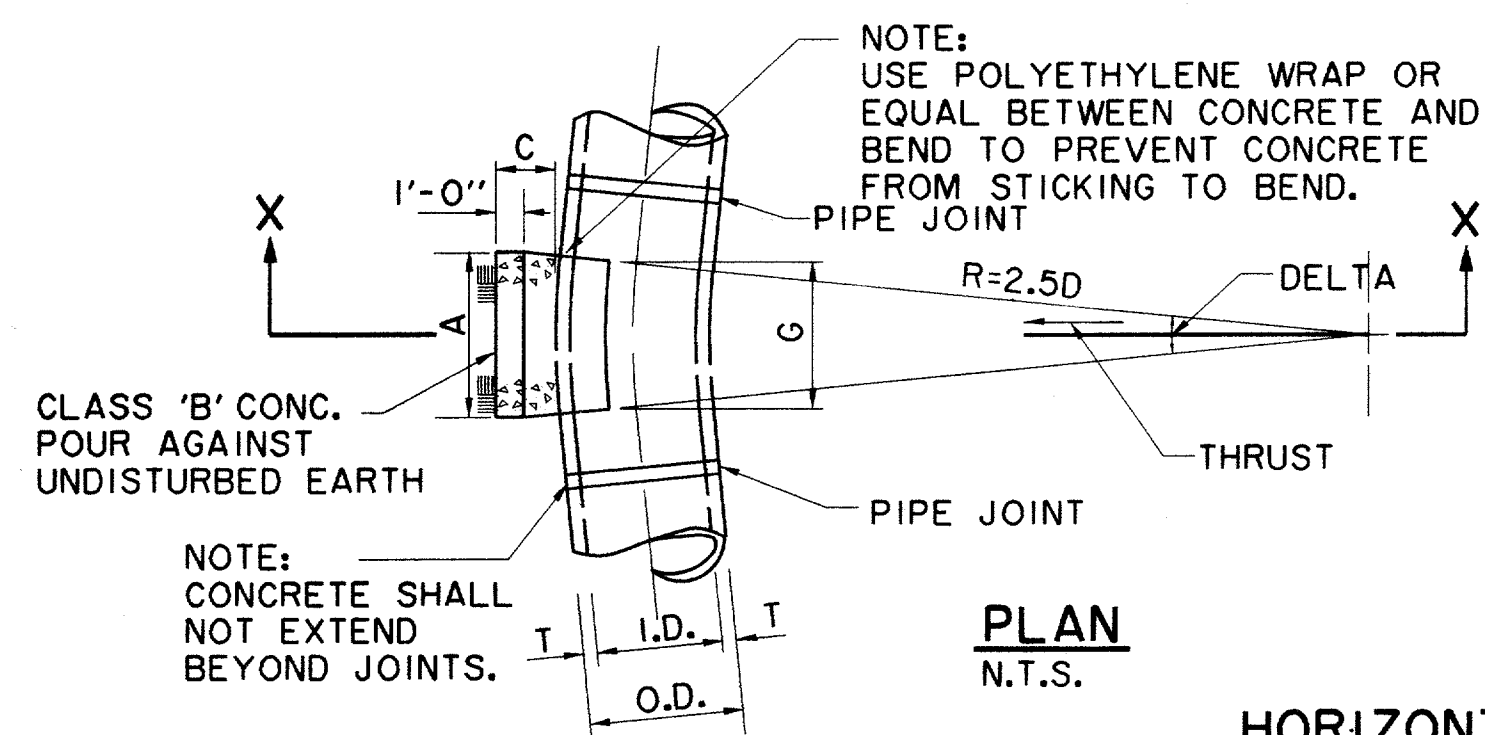


SECTION A-A
N.T.S.

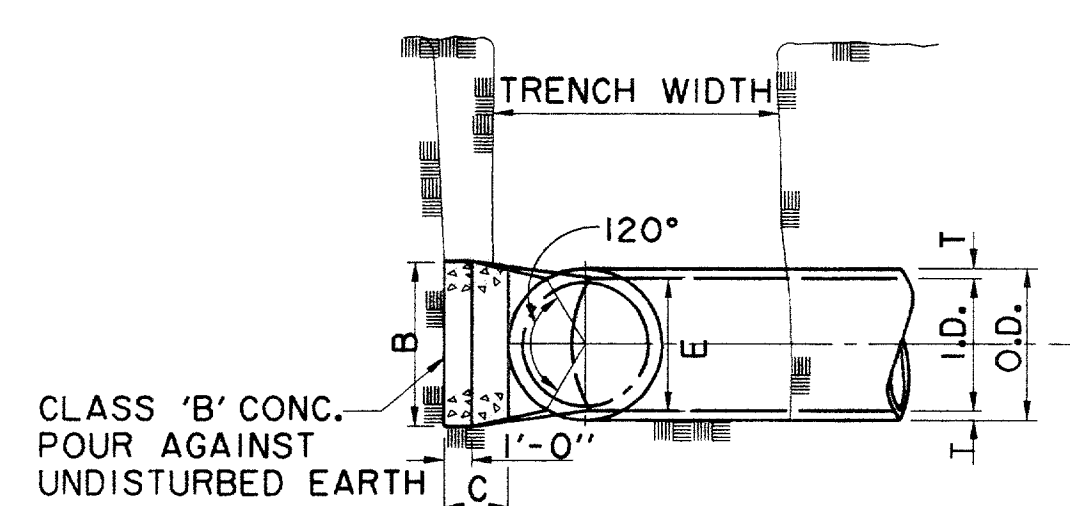
I.D. (IN.)	11.25°		22.50°		30°		45°		67.50°		90°		I.D. (IN.)
	THRUST TONS	VOL. C.Y.	THRUST TONS	VOL. C.Y.	THRUST TONS	VOL. C.Y.	THRUST TONS	VOL. C.Y.	THRUST TONS	VOL. C.Y.	THRUST TONS	VOL. C.Y.	
4, 6, 8	1.0	0.5	2.0	1.0	2.5	1.3	3.6	1.8	4.6	2.3	5.0	2.5	4, 6, 8
10, 12	2.2	1.1	4.3	2.2	5.7	2.8	8.0	4.0	10.5	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.
4, 6, 8	0.4	1.5	1.5	0.9
10, 12	0.5	1.5	1.5	1.2
16, 18	0.6	1.5	1.5	1.6
24	0.9	1.5	1.5	2.1

DELTA	I.D. (IN.)	G. FT.	THRUST TONS	11.25° EARTH			22.50° EARTH			45° EARTH			DELTA		
				A. FT.	B. FT.	VOL. C.Y.	A. FT.	B. FT.	VOL. C.Y.	A. FT.	B. FT.	VOL. C.Y.			
	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	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	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	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	24
DELTA	I.D. (IN.)	G. FT.	THRUST TONS	22.50° ROCK			45° ROCK			90° ROCK			DELTA		
				A. FT.	B. FT.	VOL. C.Y.	A. FT.	B. FT.	VOL. C.Y.	A. FT.	B. FT.	VOL. C.Y.			
	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	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	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	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	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 LID.
- DUCTILE IRON OR C-900 PVC PIPE SHALL BE USED FOR VALVE STACKS WITH VALVE BOX CASTING.

RECORD DRAWING

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

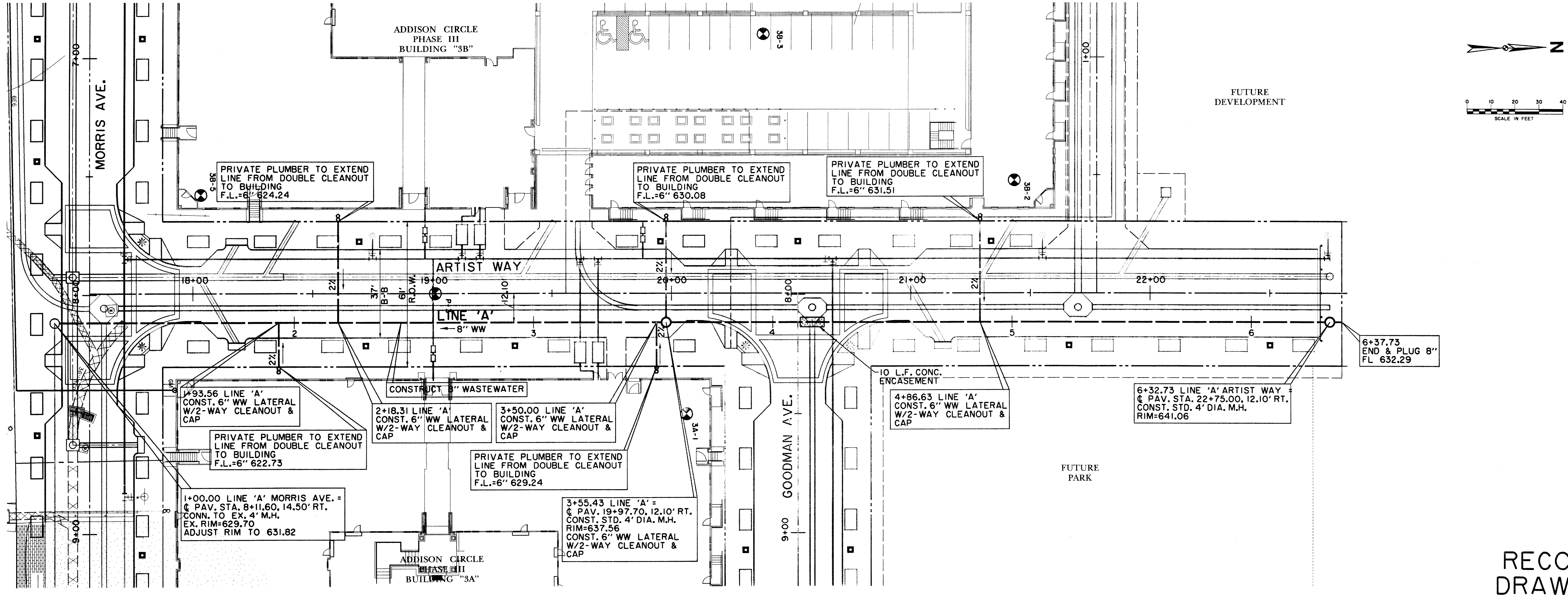


DATE	DESCRIPTION	REF NO.
6/23/99	ISSUED FOR CONSTRUCTION	N/A
5/17/99	ISSUED FOR BID	N/A

WATER DETAILS
ADDISON CIRCLE
PHASE II-B PUBLIC INFRASTRUCTURE
TOWN OF ADDISON, TEXAS

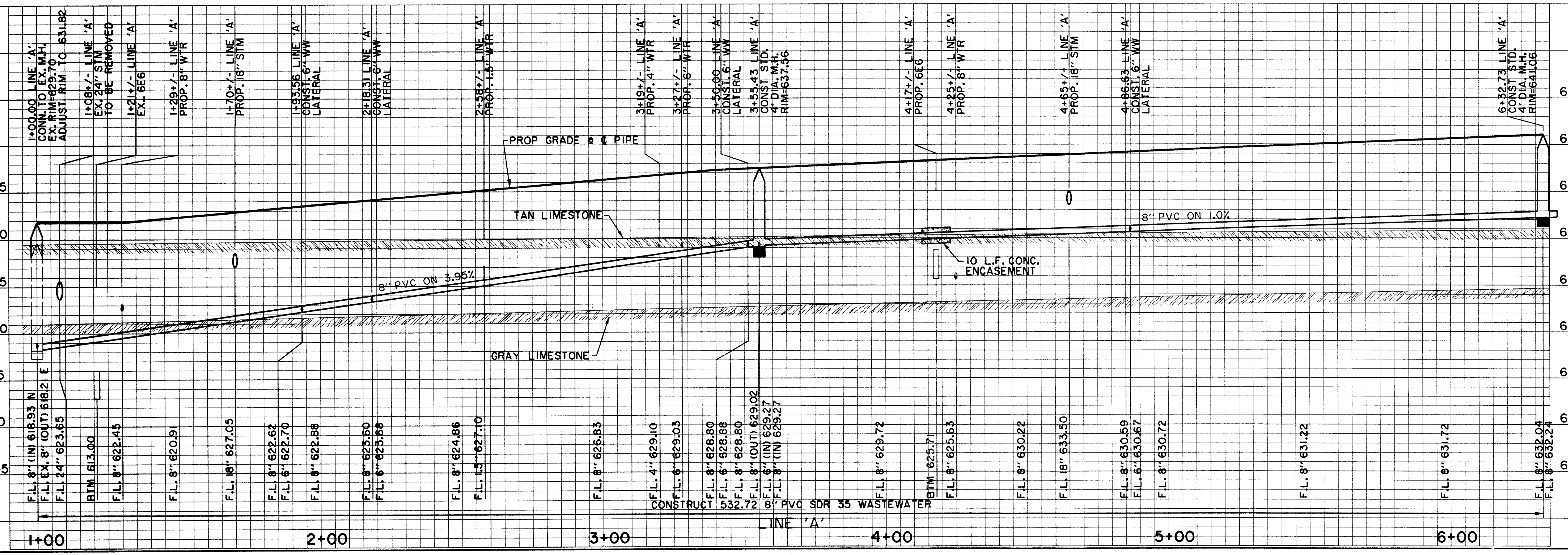
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZ1	HZ1	DEM	N.T.S.	MAR. 99	01-1822-50	W7

PROJECT NO. 01182250-000000
DRAWING NO. 01182250-000000
DATE: 03/18/99
BY: HZ1
CHECKED BY: DEM
APPROVED BY: [Signature]



RECORD DRAWING

PROJECT NO. 01-1822-50
 DATE 12/13/00
 DRAWN BY HZI
 CHECKED BY DEM
 PROJECT NO. 01-1822-50
 DATE 12/13/00



BENCHMARKS:	
BM*5	'D' CUT ON 8" INLET ON NORTH CURB LINE OF GOODMAN AVE. 75' EAST OF PASCHAL PLACE. ELEV. 629.98
BM*6	'D' CUT AT E OF 8" INLET AT THE SOUTHWEST CORNER OF MORRIS AVE. AND WITT PLACE. ELEV. 627.29
BM*7	'D' CUT AT WEST CORNER OF ADDISON THEATRE CENTRE PARKING LOT, SECOND ENTRANCE NORTH OF ADDISON RD. ELEV. 637.66

DATE	DESCRIPTION	REF NO.
6/23/99	ISSUED FOR CONSTRUCTION	N/A
5/17/99	ISSUED FOR BID	N/A

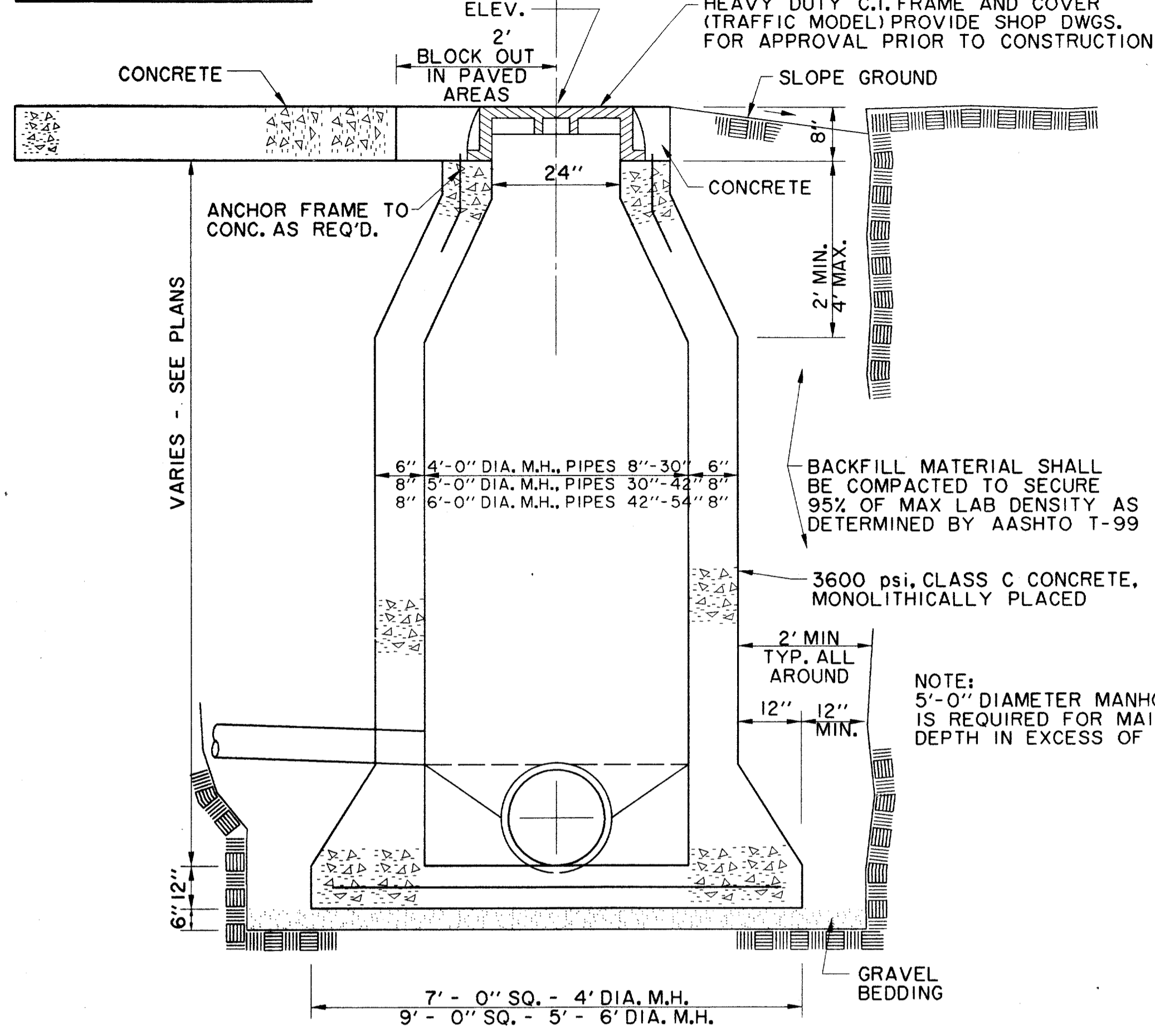
WASTEWATER PLAN & PROFILE						
LINE A - STA. 1+00.00 TO STA. 6+32.73						
ADDISON CIRCLE						
PHASE II-B PUBLIC INFRASTRUCTURE						
TOWN OF ADDISON, TEXAS						
<small> HILLI - 26101078, INC. 3131 McKinney Ave., Suite 600, Dallas, TX 75204 Phone: (214) 671-3311/Fax: (214) 671-0757 </small>						
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	H: 1" = 20' V: 1" = 6'	MAR. 99	01-1822-50	WWI

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

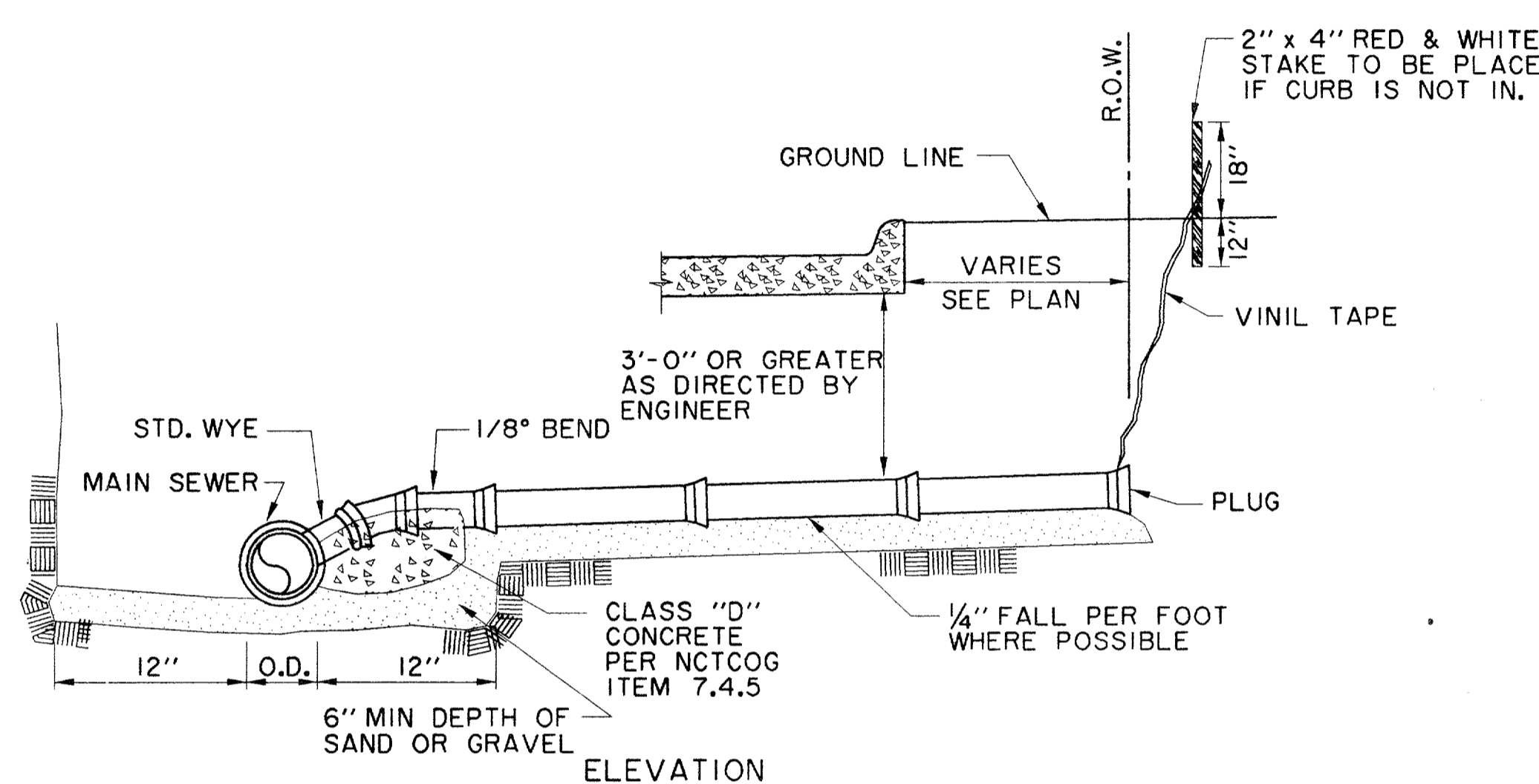
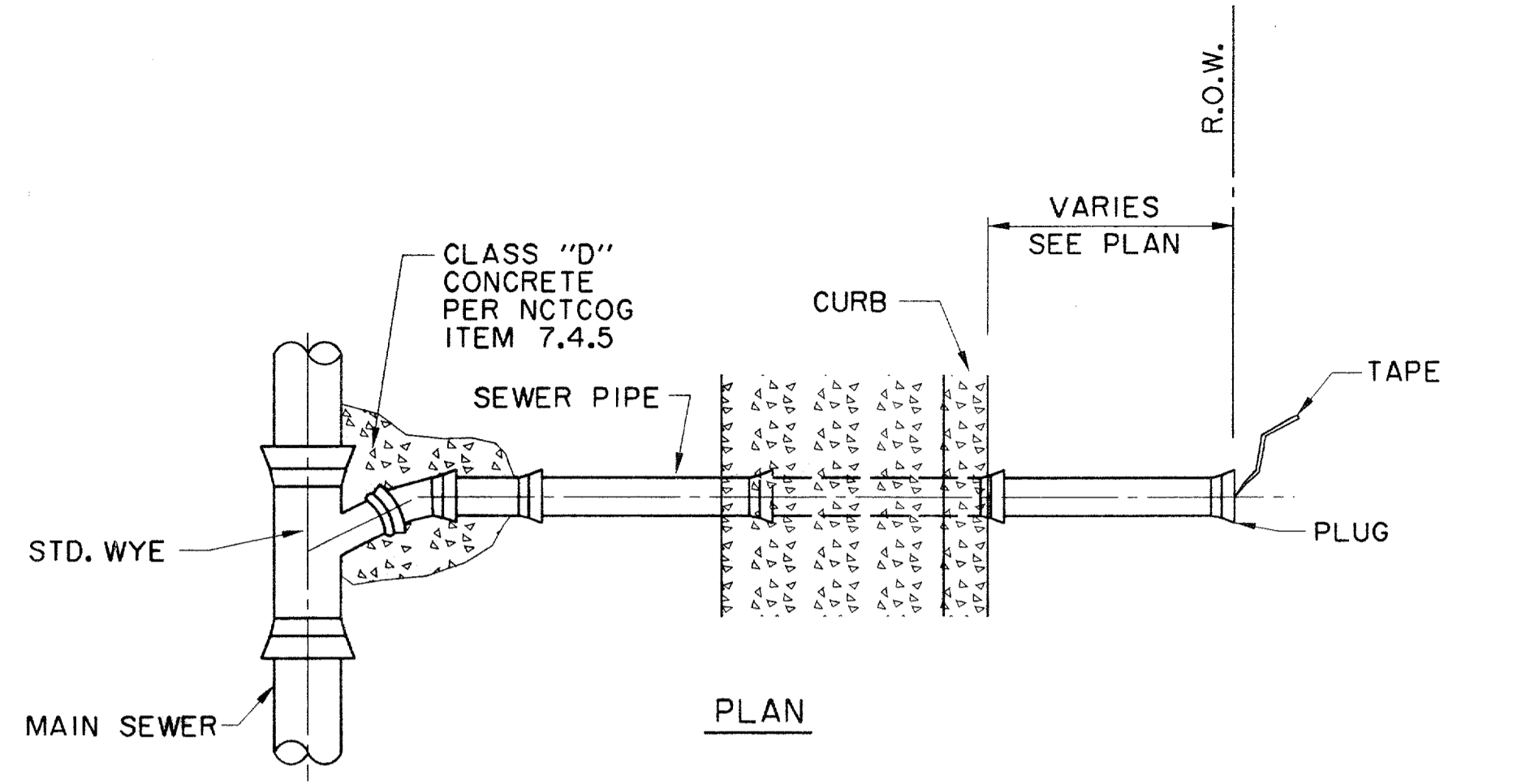


H:\proj\01182250\dwg\AUC3\WWT01.DWG

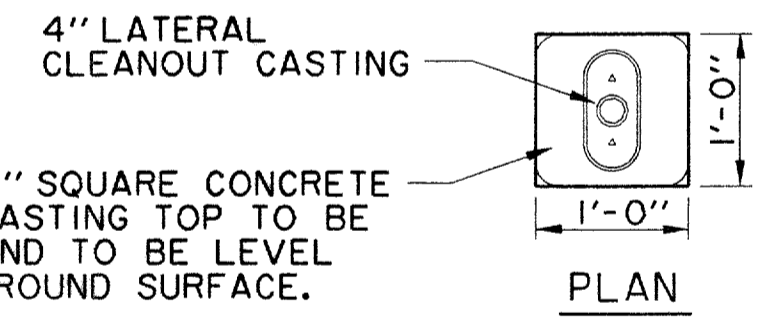
TYPICAL PAVED AREAS **TYPICAL GRASSED AREAS**



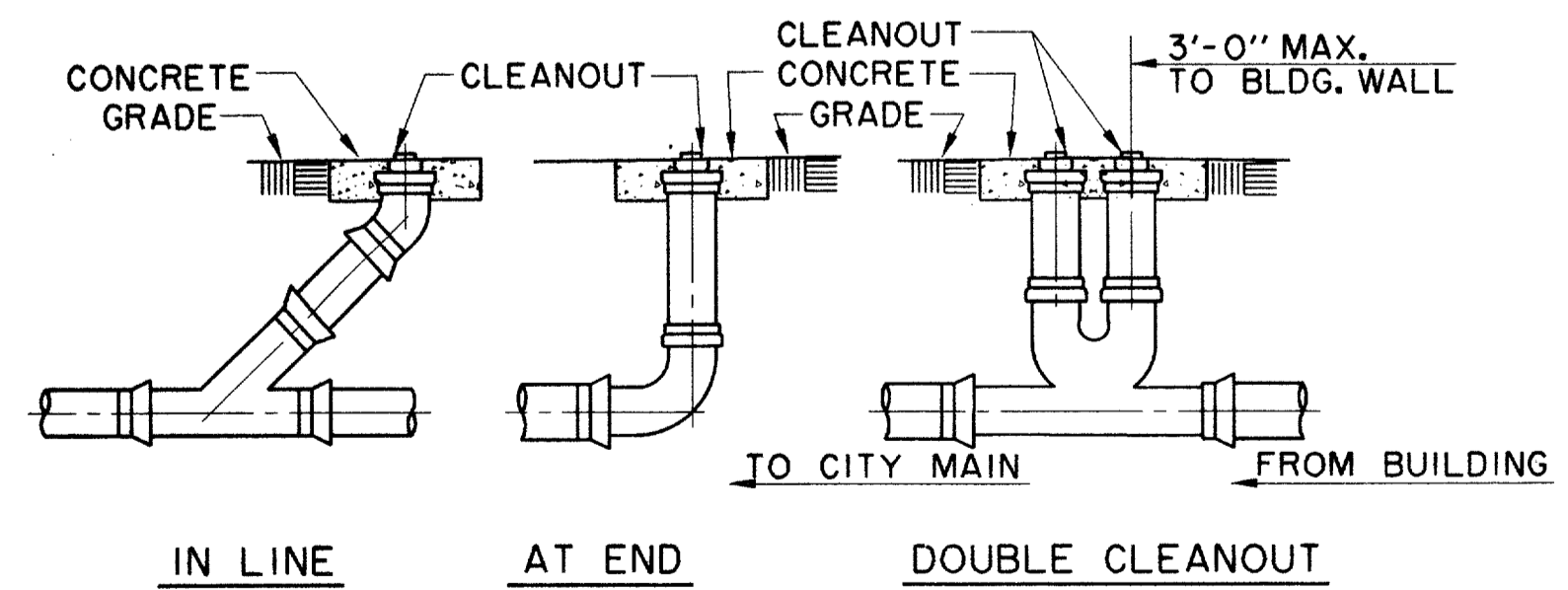
CAST IN PLACE MANHOLE
WHERE DROP M.H. IS REQUIRED, USE INSIDE DROP CONNECTION AS PER TOWN OF ADDISON STANDARDS.



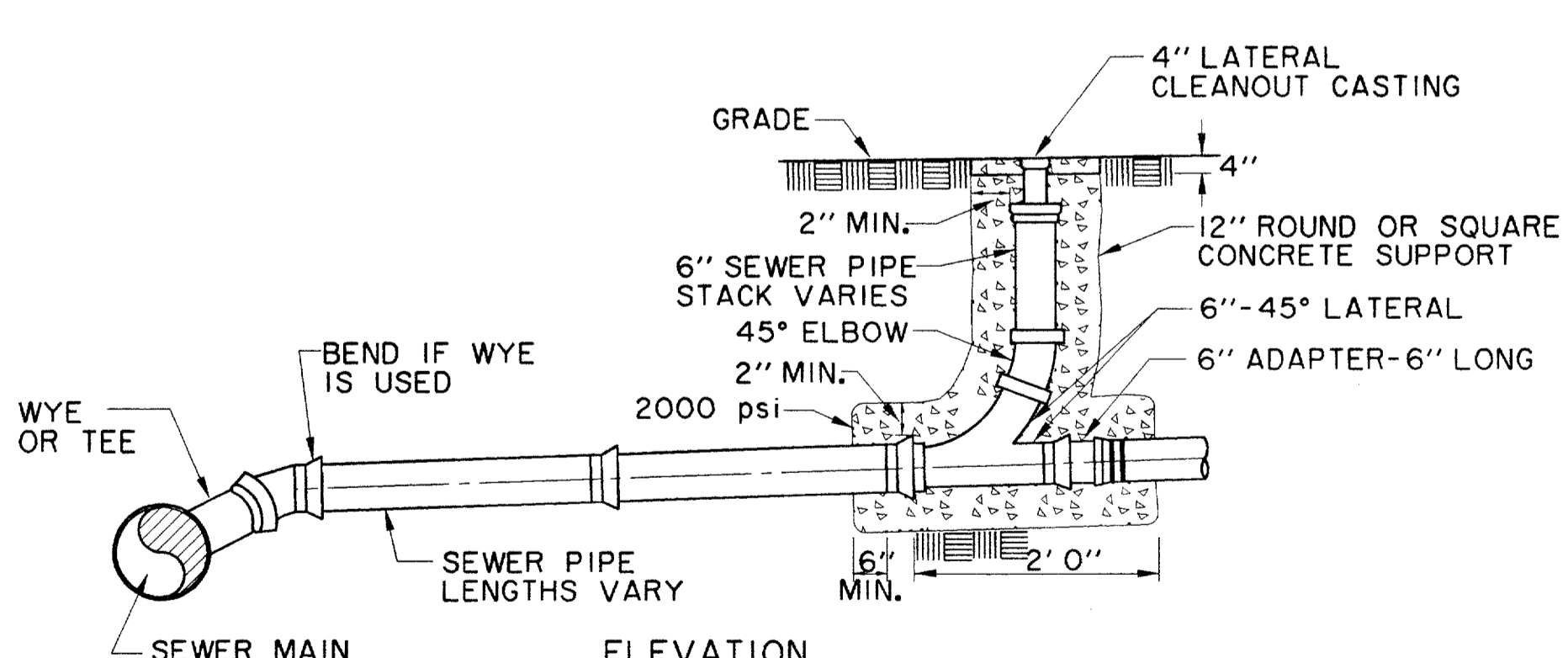
SANITARY SEWER SERVICE CONNECTION
NTS



4" THICK BY 1'-0" SQUARE CONCRETE BLOCK AROUND CASTING TOP TO BE HAND FINISHED AND TO BE LEVEL WITH EXISTING GROUND SURFACE.



TYPICAL CLEANOUTS



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.

RECORD DRAWING

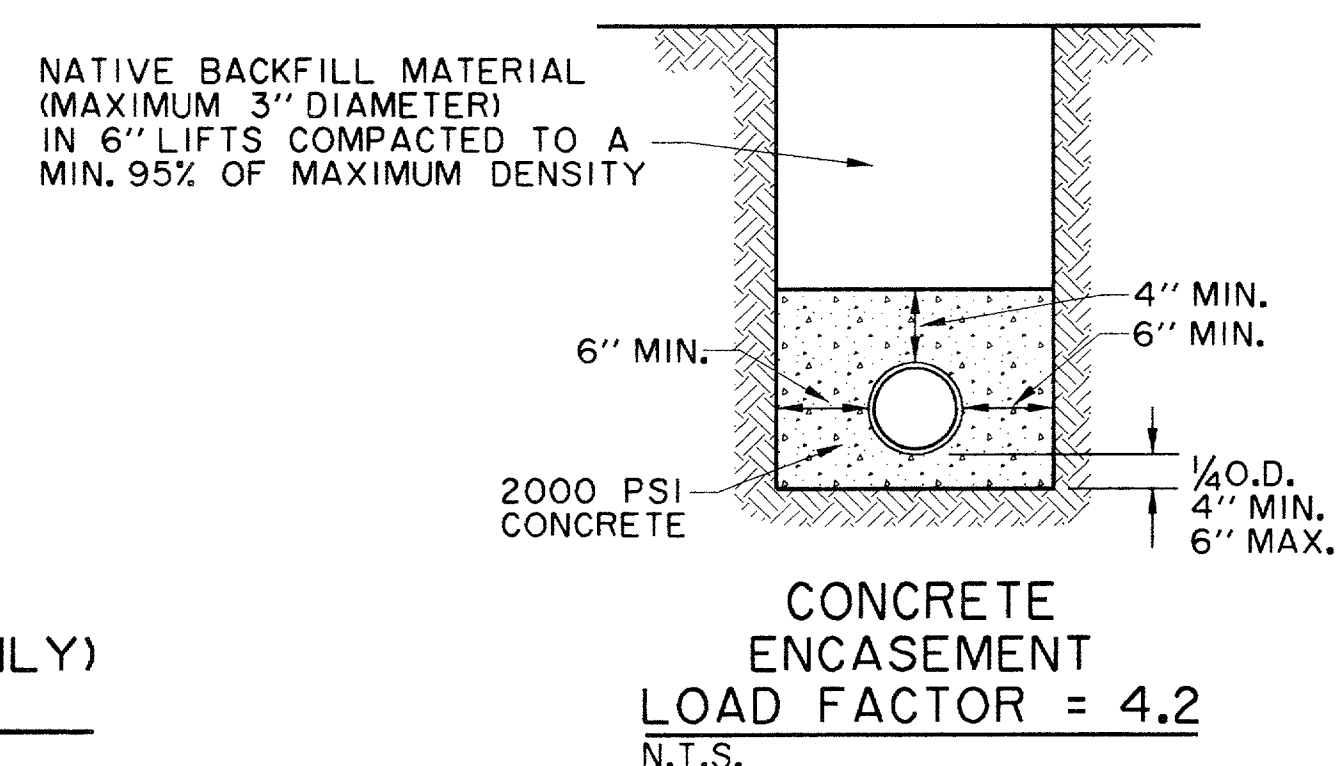
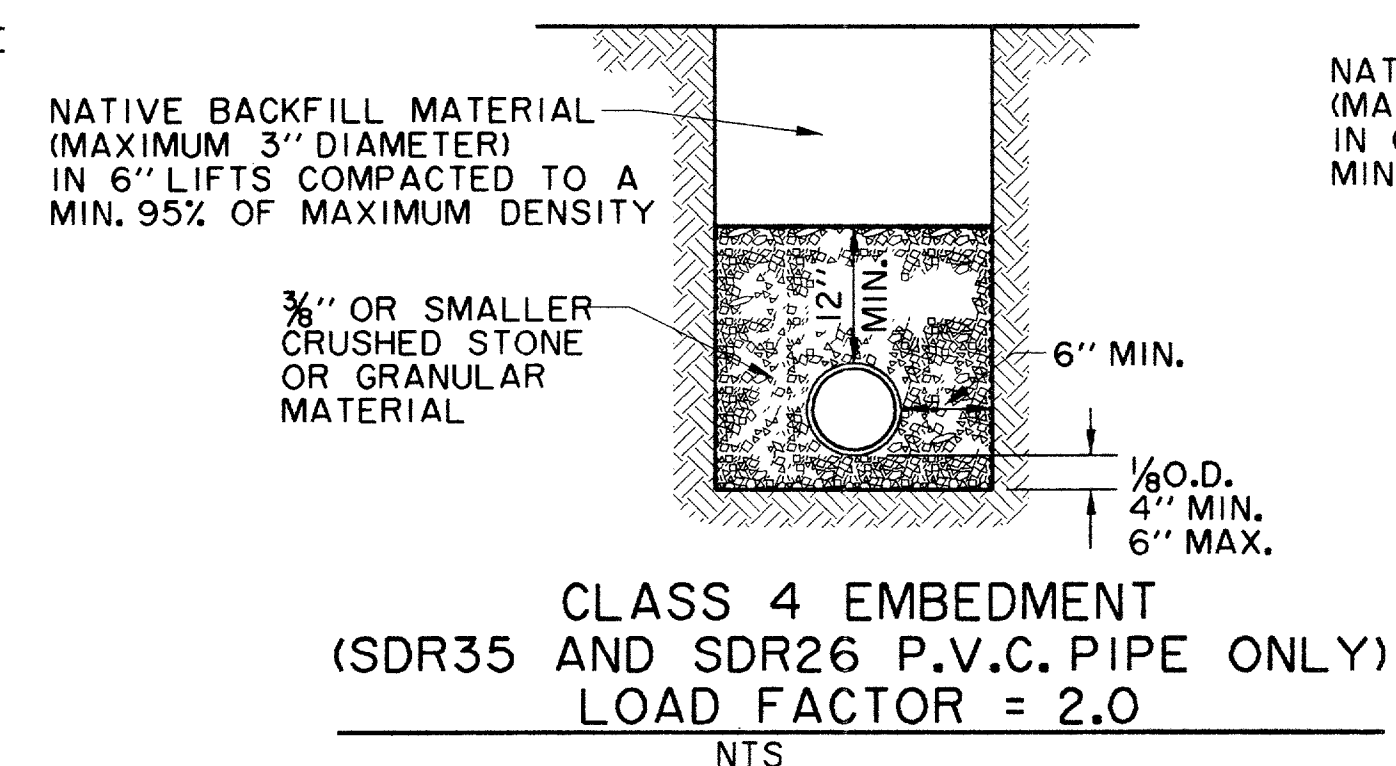
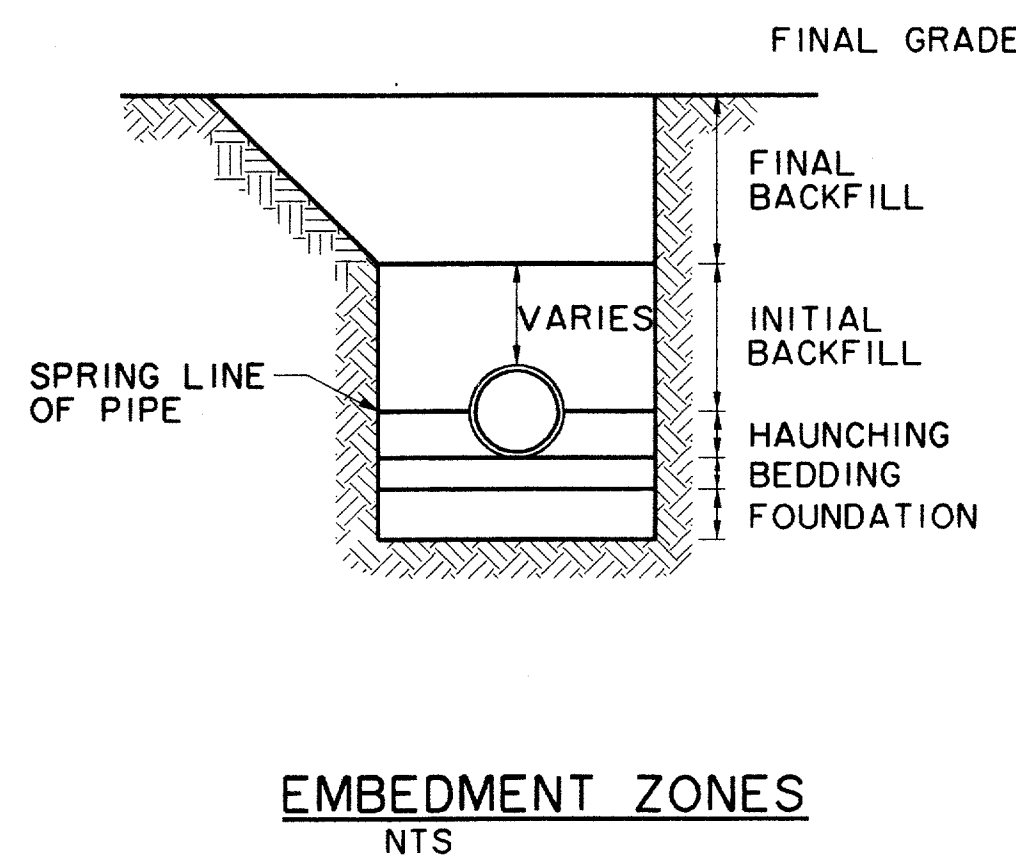
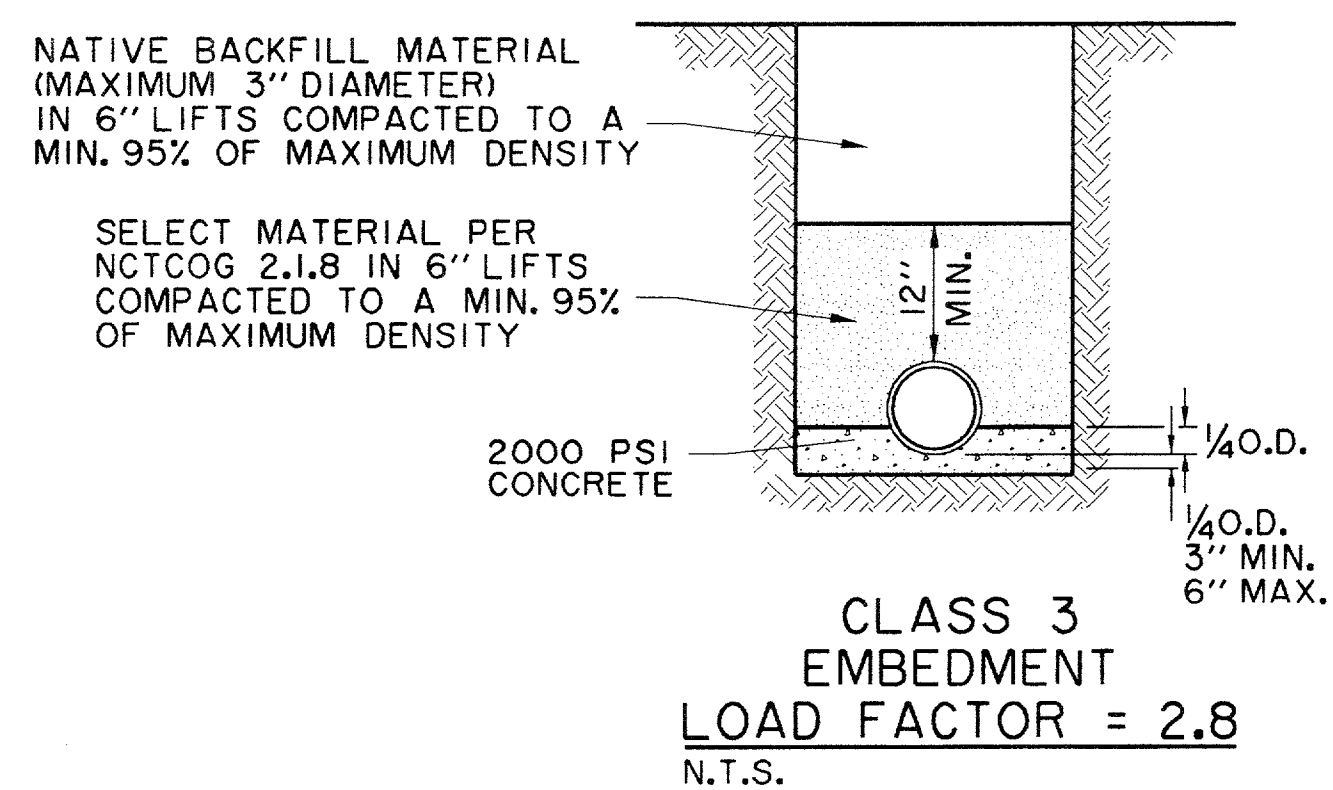
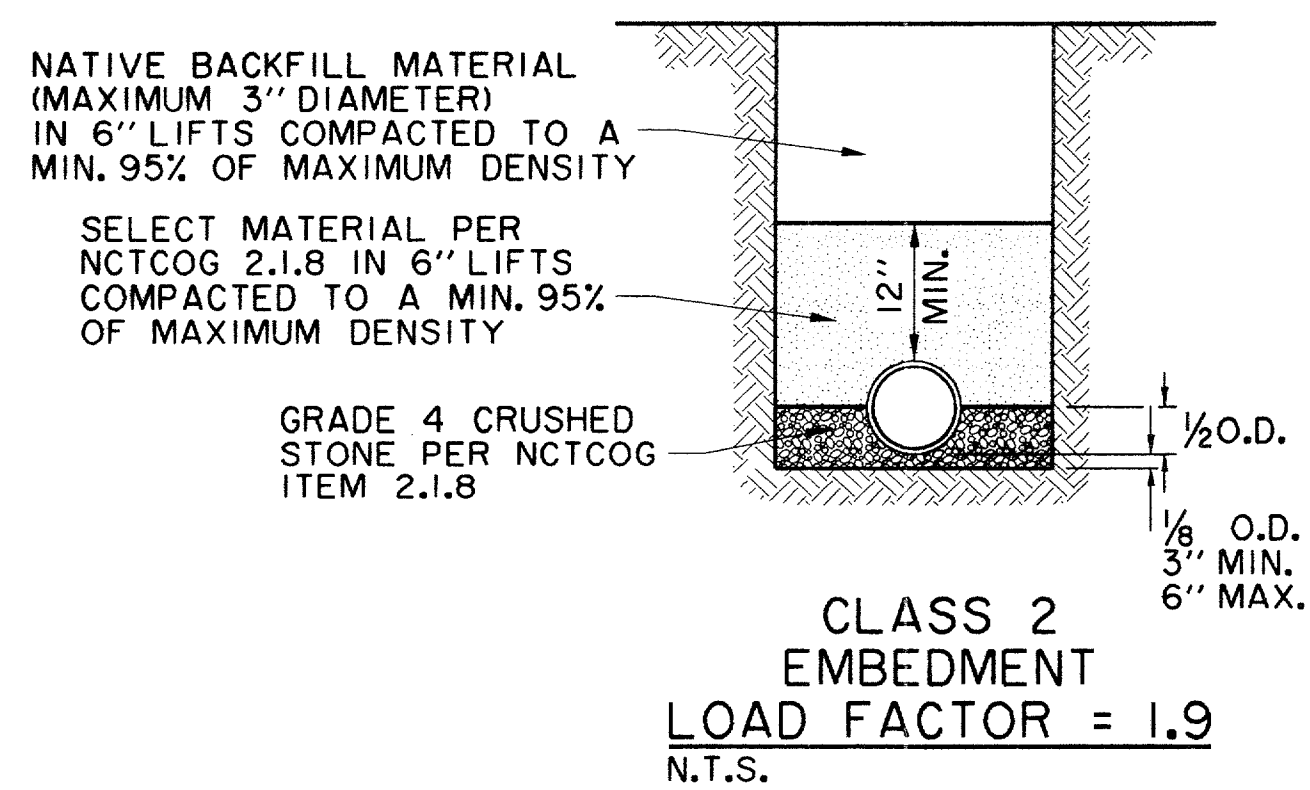
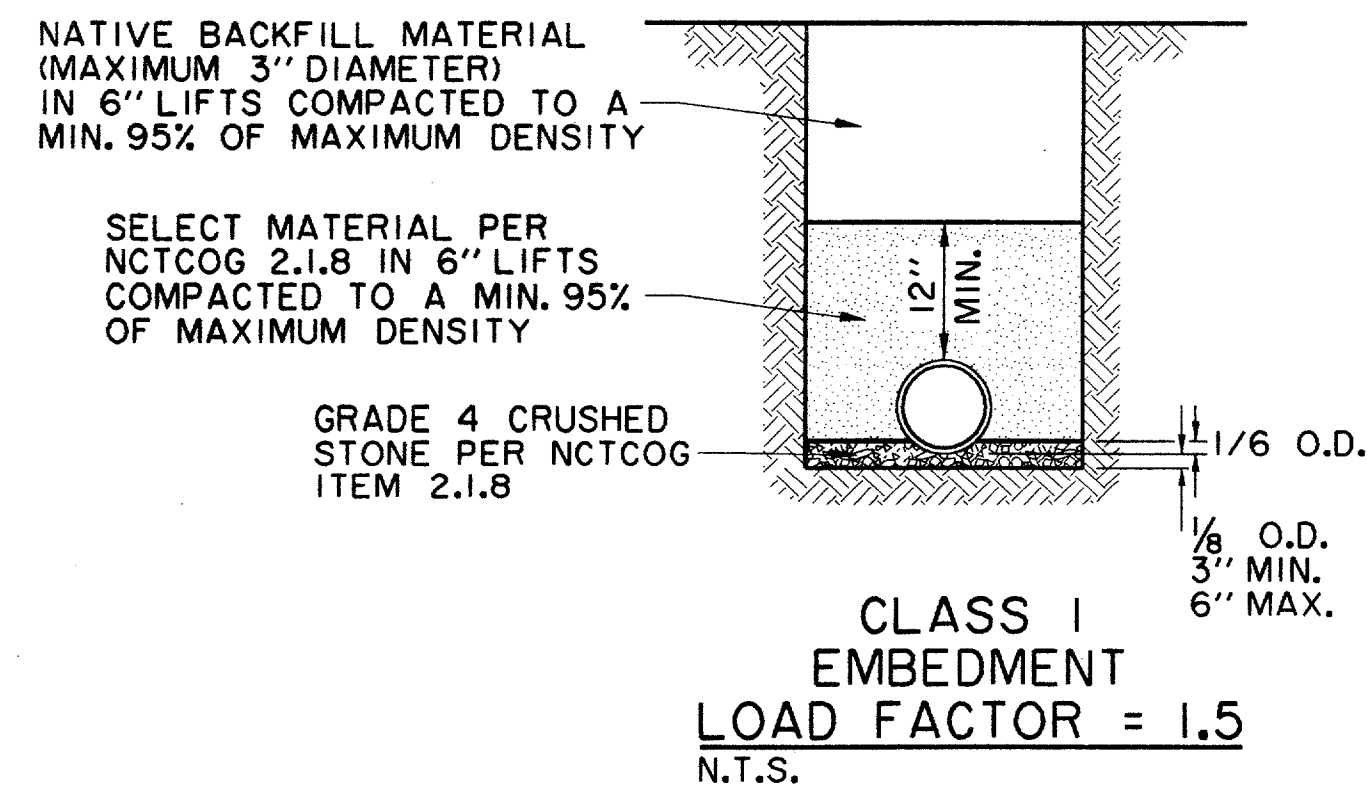
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512



DATE	DESCRIPTION	REF. NO.
6/23/99	ISSUED FOR CONSTRUCTION	N/A
5/17/99	ISSUED FOR BID	N/A

WASTEWATER DETAILS						
ADDISON CIRCLE						
PHASE II-B PUBLIC INFRASTRUCTURE						
TOWN OF ADDISON, TEXAS						
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	N.T.S.	MAR. 99	01-1822-50	WW2

REF. ROTATION: 0000000000
 PLAN NUMBER: 0000000000
 DATE: 03/11/2003 10:43:52 AM
 USER: HZ1
 PROJECT: 01-1822-50
 DRAWING: WW2
 SHEET: 1 OF 1
 HZ1



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

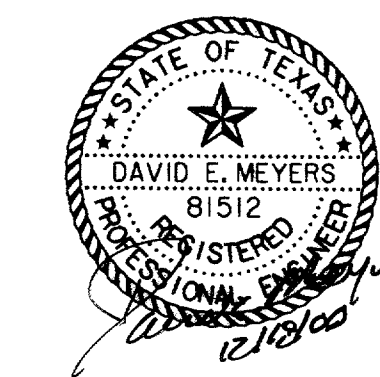
TABLE OF QUANTITIES OF 2000 psi CONCRETE, GRAVEL OR CRUSHED STONE IN CUBIC YARDS PER 100 LINEAR FEET FOR EACH CLASS EMBEDMENT

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

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		

RECORD DRAWING

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



DATE	DESCRIPTION	REF NO.
6/23/99	ISSUED FOR CONSTRUCTION	N/A
5/17/99	ISSUED FOR BID	N/A

WASTEWATER DETAILS

ADDISON CIRCLE

PHASE II-B PUBLIC INFRASTRUCTURE

TOWN OF ADDISON, TEXAS

HUTT - Zoltars, Inc.
3131 McKinney Ave., Suite 600, Dallas, TX 75204
Phone (214) 871-3311/Fax (214) 871-0757

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	N.T.S.	MAR. 99	01-1822-50	WW3