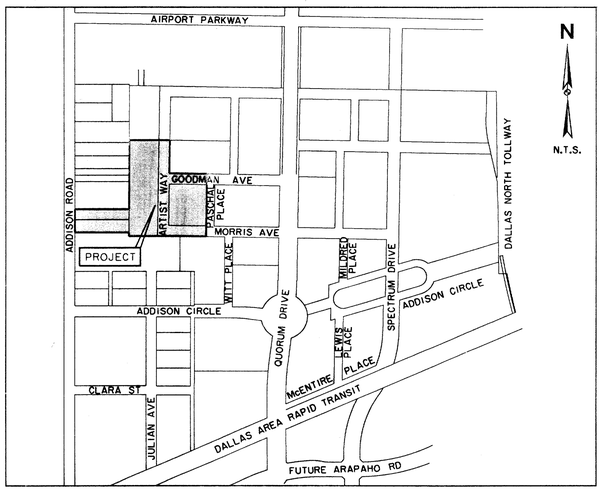
CIVIL AND LANDSCAPE PLANS FOR CONSTRUCTION OF
PAVING, STREETSCAPE AND UTILITY IMPROVEMENTS

ADDISON CIRCLE
PUBLIC INFRASTRUCTURE
PHASE II-B

TOWN OF
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
GR1-GR2	SIDEWALK GRADING PLANS
P12	SLEEVING PLAN
P13-P14	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

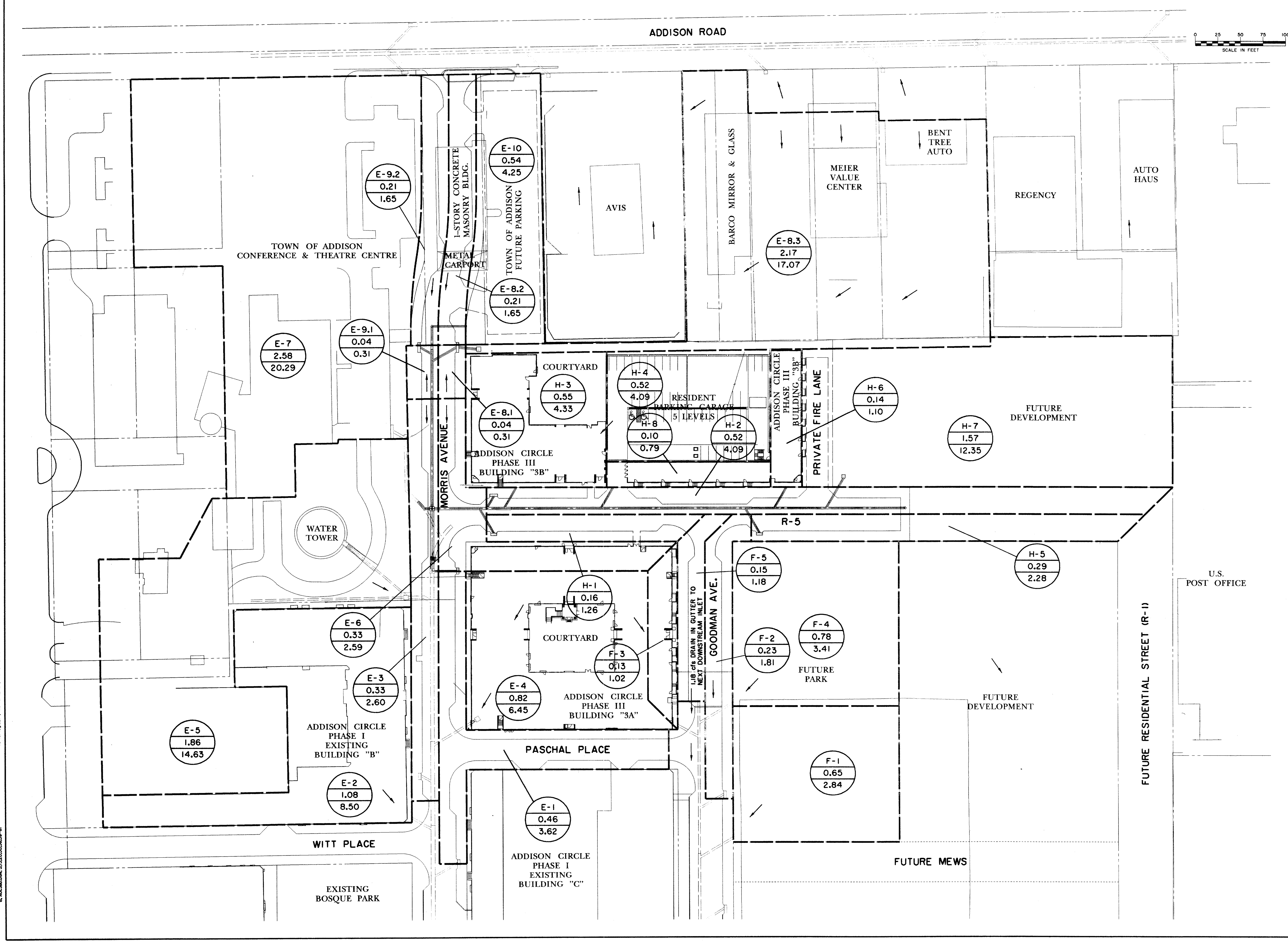
RECORD DRAWING

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

STATE OF TEXAS
DAVID E. MEYERS
81512
REGISTERED
PROFESSIONAL ENGINEER
12/19/00

ISSUED FOR CONSTRUCTION 6/23/99

FF-20



NOTES:

1. FOR ADDITIONAL INFORMATION REGARDING OUTFALL CAPACITY, OFFSITE FLOWS AND OTHER DETAILS THAT MAY BE RELEVANT TO THIS DRAINAGE SYSTEM, SEE "MASTER INFRASTRUCTURE REPORT FOR ADDISON CIRCLE" DATED DECEMBER 18, 1995, PREPARED BY HUITT-ZOLLARS, INC.
2. THIS PLAN ILLUSTRATES THE PROBABLE DRAINAGE DIVIDES FOR THE ULTIMATE BUILDOUT CONDITION WITHIN AND UPSTREAM OF ADDISON CIRCLE PHASE III. THE PERMANENT DRAINAGE SYSTEM HAS BEEN DESIGNED BASED ON FULLY DEVELOPED CONDITIONS.
3. FOR RUNOFF AND INLET CALCULATIONS, SEE SHEETS SW2 THRU SW3.
4. EXISTING STORM SEWER LOCATIONS AND SIZES WERE OBTAINED FROM RECORD DRAWINGS FROM THE TOWN OF ADDISON. ACTUAL LOCATION IN THE FIELD MAY VARY FROM THE PLANS.

DRAINAGE AREA DIVIDE

DIRECTION OF SURFACE FLOW

RUNOFF CRITERIA

C=0.50 FOR AREAS F1 & F4
C=0.90 FOR REMAINING AREAS
MINIMUM t_c=10.00 MINUTES
I_{100}=8.74 in/hr

A-1 — DRAINAGE AREA DESIGNATION
0.32 — TOTAL DRAINAGE AREA (ACRES) AT POINT OF CONCENTRATION
2.52 — Q100 (cfs)

RECORD DRAWING

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

STATE OF TEXAS — DAVID E. MEYERS — 81512 — REGISTERED PROFESSIONAL ENGINEER

12/18/00

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

DRAINAGE AREA MAP PROPOSED & FUTURE DEVELOPMENT

ADDISON CIRCLE

PHASE II-B PUBLIC INFRASTRUCTURE

TOWN OF ADDISON, TEXAS

Huitt - Zollars, 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	1"=50'	MAR. 99	01-1822-50	SW1

h:\proj\01182250\dgn\AUC3DAM1.DGN

INLET CALCULATIONS

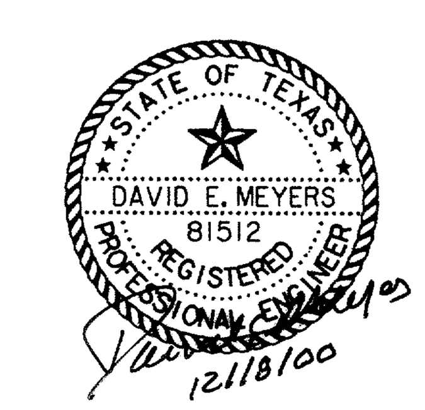
INLET NO.	LOCATION	DESIGN STORM FREQ (YRS)	TIME OF CONC (MIN)	INTENSITY "I-100" (INCHES/HOUR)	RUNOFF COEFF "C"	AREA "A" (ACRES)	"Q-100" FOR AREA (CFS)	CARRY-OVER FROM UPSTREAM (CFS)	TOTAL GUTTER FLOW (CFS)	GUTTER CAPACITY ONE DRY LANE (CFS)	GUTTER SLOPE (FT/FT)	STREET CROSS SLOPE (FT/FT)	ACTUAL GUTTER FLOW DEPTH (FT)	CAPACITY PER FOOT OF INLET (FT)	REQUIRED LENGTH OF INLET (FT)	SELECTED LENGTH OF INLET (FT)	TYPE	CARRY-OVER TO DOWNSTREAM (CFS)	COMMENTS
LINE "E" - MORRIS AVE																			
E-1	MORRIS AVE	100	10.00	8.74	0.90	0.46	3.62	0.00	3.62	NA	NA	PAR	NA	NA	6	6	REC	0.00	PHASE I DESIGN
E-2	EXIST BLDG 'B'	100	10.00	8.74	0.90	1.08	8.50	0.00	8.50	NA	NA	NA	NA	NA	NA	EX 21" STUB	REC	0.00	PHASE I DESIGN
E-3	MORRIS AVE	100	10.00	8.74	0.90	0.33	2.60	0.00	2.60	4.23	0.0100	PAR	NA	NA	5	6	MOD REC	0.00	
-4	PROP BLDG 'D'	100	10.00	8.74	0.90	0.82	6.45	0.00	6.45	NA	NA	NA	NA	NA	NA	EX 21" STUB	NA	0.00	PHASE I DESIGN
E-5	WATER TOWER SITE	100	10.00	8.74	0.90	1.86	14.63	0.00	14.63	NA	NA	NA	NA	NA	NA	EX 30" LAT	MOD REC	0.00	PHASE I DESIGN
E-6	MORRIS AVE	100	10.00	8.74	0.90	0.33	2.60	0.00	2.60	4.23	0.0100	PAR	NA	NA	4	6	MOD REC	0.00	
E-7	CONF CENTRE	100	10.00	8.74	0.90	2.58	20.29	0.00	20.29	NA	NA	NA	NA	NA	NA	EX 24" LAT	NA	0.00	PHASE I DESIGN
E-8.1,8.2	MORRIS AVE	100	10.00	8.74	0.90	0.25	1.97	0.00	1.97	4.14	0.0096	PAR	NA	NA	4	10	MOD REC	0.00	SAG MINIMUM 10 FOOT INLET
E-8.3	OFFSITE	100	10.00	8.74	0.90	2.17	17.07	0.00	17.07	NA	NA	NA	NA	NA	NA	5'X5'	"Y"	0.00	
E-9.1,9.2	MORRIS AVE	100	10.00	8.74	0.90	0.25	1.97	0.00	1.97	4.14	0.0096	PAR	NA	NA	4	10	MOD REC	0.00	SAG MINIMUM 10 FOOT INLET
E-10	FUTURE PARKING	100	10.00	8.74	0.90	0.54	4.25	0.00	4.25	NA	NA	NA	NA	NA	NA	PROP 18" LAT	NA	0.00	
LINE "F" - GOODMAN AVE																			
F-1	FUTURE PARK	100	10.00	8.74	0.50	0.65	2.84	0.00	2.84	NA	NA	NA	NA	NA	NA	EX 24" STUB	NA	0.00	PHASE I DESIGN
F-2	MORRIS AVE	100	10.00	8.74	0.90	0.23	1.81	0.00	1.81	5.67	0.0180	PAR	NA	NA	4	EX 8"	MOD REC	0.00	PHASE I DESIGN
F-3	PROP BLDG 'D'	100	10.00	8.74	0.90	0.13	1.02	0.00	1.02	NA	NA	NA	NA	NA	NA	EX 21" STUB	NA	0.00	PHASE I DESIGN
F-4	FUTURE PARK	100	10.00	8.74	0.50	0.78	3.41	0.00	3.41	NA	NA	NA	NA	NA	NA	EX 21" STUB	NA	0.00	PHASE I DESIGN
F-5	MORRIS AVE	100	10.00	8.74	0.90	0.15	1.18	0.00	1.18	5.67	0.0180	PAR	NA	NA	3	6	MOD REC	0.00	PHASE I DRAINAGE AREA F-7
LINE "H" - ARTIST WAY																			
H-1	ARTIST WAY	100	10.00	8.74	0.90	0.16	1.26	0.00	1.26	6.84	0.0262	PAR	NA	NA	3	6	MOD REC	0.00	
H-2	ARTIST WAY	100	10.00	8.74	0.90	0.52	4.09	0.00	4.09	6.84	0.0262	PAR	NA	NA	8	8	MOD REC	0.00	
H-3	BLDG 'E'	100	10.00	8.74	0.90	0.55	4.33	0.00	4.33	NA	NA	NA	NA	NA	NA	PROP 18" LAT	NA	0.00	
H-4	BLDG 'E' GARAGE	100	10.00	8.74	0.90	0.52	4.09	0.00	4.09	NA	NA	NA	NA	NA	NA	PROP 18" LAT	NA	0.00	
H-5	ARTIST WAY	100	10.00	8.74	0.90	0.29	2.28	0.00	2.28	4.55	0.0116	PAR	NA	NA	5	6	MOD REC	0.00	
H-6	BLDG 'E'	100	10.00	8.74	0.90	0.14	1.10	0.00	1.10	NA	NA	NA	NA	NA	NA	PROP 18" LAT	NA	0.00	
H-7	FUTURE DEVELOPMENT	100	10.00	8.74	0.90	1.57	12.35	0.00	12.35	NA	NA	NA	NA	NA	NA	PROP 21" LAT	NA	0.00	
H-8	BLDG 'E'	100	10.00	8.74	0.90	0.10	0.79	0.00	0.79	NA	NA	NA	NA	NA	NA	PROP 18" LAT	NA	0.00	

STORM WATER RUNOFF CALCULATIONS

AREA NO.	Tc (MIN.)	INTENSITY "I-100" (IN./HR)	RUNOFF COEFF. "C"	AREA "A" (ACRES)	STORM RUNOFF "Q-100"
E-1	10.00	8.74	0.90	0.46	3.62
E-2	10.00	8.74	0.90	1.08	8.50
E-3	10.00	8.74	0.90	0.33	2.60
E-4	10.00	8.74	0.90	0.82	6.45
E-5	10.00	8.74	0.90	1.86	14.63
E-6	10.00	8.74	0.90	0.33	2.60
E-7	10.00	8.74	0.90	2.58	20.29
E-8.1	10.00	8.74	0.90	0.04	0.31
E-8.2	10.00	8.74	0.90	0.21	1.65
E-8.3	10.00	8.74	0.90	2.17	17.07
E-9.1	10.00	8.74	0.90	0.04	0.31
E-9.2	10.00	8.74	0.90	0.21	1.65
E-10	10.00	8.74	0.90	0.54	4.25
F-1	10.00	8.74	0.50	0.65	2.84
F-2	10.00	8.74	0.90	0.23	1.81
F-3	10.00	8.74	0.90	0.13	1.02
F-4	10.00	8.74	0.50	0.78	3.41
F-5	10.00	8.74	0.90	0.15	1.18
H-1	10.00	8.74	0.90	0.16	1.26
H-2	10.00	8.74	0.90	0.52	4.09
H-3	10.00	8.74	0.90	0.55	4.33
H-4	10.00	8.74	0.90	0.52	4.09
H-5	10.00	8.74	0.90	0.29	2.28
H-6	10.00	8.74	0.90	0.14	1.10
H-7	10.00	8.74	0.90	1.57	12.35
H-8	10.00	8.74	0.90	0.10	0.79

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

STORM WATER CALCULATIONS
INLET & RUNOFF CALCULATIONS

ADDISON CIRCLE

PHASE II-B PUBLIC INFRASTRUCTURE

TOWN OF ADDISON, TEXAS

Huitt - Zollars, 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	SW2

h:\proj\01182250\dgn\AUC3DG04.DGN

HYDRAULIC CALCULATIONS

COLLECTION POINT INLETS OR MANHOLES		DISTANCE BETWEEN COLLECTION POINTS	INCREMENTAL DRAINAGE AREA					TIME @ UPSTREAM STATION (MIN.)	INTENSITY "I-100" (IN./HR.)	100 YR. STORM RUNOFF "Q"	SLOPE OF HYDRAULIC GRADIENT (FT./FT.)	STORM SEWER SIZE	VELOCITY "V" (F.P.S.)	FLOW TIME IN SEWER (MIN.)	TIME @ DOWNSTREAM STATION (MIN.)	VELOCITY HEAD (FEET)	HYDRAULIC GRADE AT UPSTREAM STATION	HYDRAULIC GRADE AT DOWNSTREAM STATION	HYDRAULIC GRADE AT INLETS	COMMENTS
UPSTREAM STATION	UPSTREAM STATION		INCREM. AREA NO.	AREA "A" (AC.)	RUNOFF COEFF. "C"	INCREM. "CA"	ACCUM. "CA"													
LINE 'E'																				
875.00	844.96	30.04	E-10	0.54	0.90	0.49	0.49	10.00	8.74	4.2	0.0007	21	1.77	0.28	10.28	0.05	631.05	631.03		
844.96	836.87	8.09	"E-9.1,9.2"	0.25	0.90	0.23	0.71	10.28	8.67	6.2	0.0004	27	1.55	0.09	10.37	0.04	631.04	631.03		
836.87	671.50	165.37	"E-8.1,8.2,8.3"	2.42	0.90	2.18	2.89	10.37	8.65	25.0	0.0065	27	6.28	0.44	10.81	0.61	630.46	629.38		
671.50	601.50	70.00	LN. H & E-7	6.43	0.90	5.79	8.68	11.19	8.44	73.3	0.0079	39	8.83	0.13	11.32	1.21	628.32	627.77		
601.50	567.12	34.38	E-6	0.33	0.90	0.30	8.97	11.32	8.41	75.5	0.0084	39	9.10	0.06	11.39	1.29	626.79	625.02		
567.12	406.54	160.58	E-5	1.86	0.90	1.67	10.65	11.39	8.40	89.4	0.0117	39	10.78	0.25	11.63	1.80	624.50	622.62		
406.54	365.35	41.19	E-4	0.82	0.90	0.74	11.39	11.63	8.34	94.9	0.0089	42	9.87	0.07	11.70	1.51	622.77	622.40		
365.35	311.78	53.57	E-3	0.33	0.90	0.30	11.68	11.70	8.32	97.2	0.0093	42	10.11	0.09	11.79	1.59	622.33	621.83		
311.78	258.78	53.00	E-2	1.08	0.90	0.97	12.65	11.79	8.30	105.1	0.0075	45	9.51	0.09	11.88	1.41	621.92	621.52		
258.78	53.60	205.18	E-1	0.46	0.90	0.41	13.07	11.88	8.28	108.2	0.0080	45	9.80	0.35	12.23	1.49	621.43	619.79		
53.60	44.73	8.87	EXIST. OFFSITE	0.53	0.90	0.48	13.55	12.23	8.21	111.1	0.0084	45	10.06	0.01	12.25	1.57	619.71	619.63		
44.73	0.00	44.73	EXIST. OFFSITE	0.21	0.90	0.19	13.73	12.25	8.20	112.6	0.0087	45	10.20	0.07	12.32	1.62	619.59	619.20		
LAT. 'E-1'																				
31.47	0.00	31.47	E-1	0.46	0.90	0.41	0.41	10.00	8.74	3.6	0.0012	18	2.05	0.26	10.26	0.07	622.89	622.86	622.98	
LAT. 'E-2'																				
26.89	0.00	26.89	E-2	1.08	0.90	0.97	0.97	10.00	8.74	8.5	0.0029	21	3.53	0.13	10.13	0.19	623.21	623.13	623.45	
LAT. 'E-3'																				
14.88	0.00	14.88	E-3	0.33	0.90	0.30	0.30	10.00	8.74	2.6	0.0006	18	1.47	0.17	10.17	0.03	623.89	623.88		
LAT. 'E-4'																				
44.00	0.00	44.00	E-4	0.82	0.90	0.74	0.74	10.00	8.74	6.5	0.0017	21	2.68	0.27	10.27	0.11	624.24	624.17	624.38	
LAT. 'E-5'																				
30.44	0.00	30.44	E-5	1.86	0.50	0.93	0.93	10.00	8.74	8.1	0.0004	30	1.66	0.31	10.31	0.04	626.28	626.27	626.33	
LAT. 'E-6'																				
27.50	0.00	27.50	E-6	0.33	0.90	0.30	0.30	10.00	8.74	2.6	0.0006	18	1.47	0.31	10.31	0.03	628.06	628.04	628.10	
LAT. 'E-7'																				
110.00	0.00	110.00	E-7	2.58	0.90	2.32	2.32	10.00	8.74	20.3	0.0081	24	6.46	0.28	10.28	0.65	629.77	628.89	630.58	
LAT. 'E-8.1'																				
31.75	0.00	31.75	"E-8.1,8.2,8.3"	2.42	0.90	2.18	2.18	10.00	8.74	19.0	0.0144	21	7.92	0.07	10.07	0.97	630.74	630.28	631.95	
LAT. 'E-8.3'																				
5.00	0.00	5.00	E-8.3	2.17	0.90	1.95	1.95	10.00	8.74	17.1	0.0116	21	7.10	0.01	10.01	0.78				
LAT. 'E-9.1'																				
15.59	0.00	15.59	"E-9.1,9.2"	0.25	0.90	0.23	0.23	10.00	8.74	2.0	0.0004	18	1.11	0.23	10.23	0.02	631.06	631.05	631.08	
LAT. 'E-10'																				
37.50	0.00	37.50	E-10	0.54	0.90	0.49	0.49	10.00	8.74	4.2	0.0016	18	2.40	0.26	10.26	0.09	631.09	631.03		
LINE 'H'																				
537.61	480.00	57.61	H-7	1.57	0.90	1.41	1.41	10.00	8.74	12.4	0.0061	21	5.14	0.19	10.19	0.41	632.76	632.41		PARTIAL FLOW
480.00	446.62	33.38	H-6	0.14	0.90	0.13	1.54	10.19	8.69	13.4	0.0071	21	5.56	0.10	10.29	0.48	632.34	632.10		PARTIAL FLOW
446.62	287.45	159.17	H-5	0.29	0.90	0.26	1.80	10.29	8.67	15.6	0.0048	24	4.97	0.53	10.82	0.38	632.15	631.39		PARTIAL FLOW
287.45	180.00	107.45	H-4 & H-8	0.62	0.90	0.56	2.36	10.82	8.53	20.1	0.0079	24	6.40	0.28	11.10	0.64	631.14	630.29		
180.00	159.71	20.29	H-3	0.55	0.90	0.50	2.85	11.10	8.46	24.1	0.0061	27	6.07	0.06	11.16	0.57	630.32	630.20		
159.71	151.62	8.09	H-2	0.52	0.90	0.47	3.32	11.16	8.45	28.1	0.0082	27	7.06	0.02	11.18	0.77	630.00	629.93		
151.62	100.00	51.62	H-1	0.16	0.90	0.14	3.47	11.18	8.45	29.3	0.0089	27	7.36	0.12	11.29	0.84	629.86	629.40		
LAT. 'H-1'																				
31.75	0.00	31.75	H-1	0.16	0.90	0.14	0.14	10.00	8.74	1.3	0.0001	18	0.71	0.74	10.74	0.01	630.70	630.69	630.71	
LAT. 'H-2'																				
47.92	0.00	47.92	H-2	0.52	0.90	0.47	0.47	10.00	8.74	4.1	0.0015	18	2.32	0.34	10.34	0.08	630.76	630.69	630.86	
LAT. 'H-3'																				
36.35	0.00	36.35	H-3	0.55	0.90	0.50	0.50	10.00	8.74	4.3	0.0017	18	2.45	0.25	10.25	0.09	630.86	630.80		
LAT. 'H-4'																				
20.19	0.00	20.19	H-4 & H-8	0.62	0.90	0.56	0.56	10.00	8.74	4.9	0.0022	18	2.76	0.12	10.12	0.12				PARTIAL FLOW
LAT. 'H-5'																				
31.75	0.00	31.75	H-5	0.29	0.90	0.26	0.26	10.00	8.74	2.3	0.0005	18	1.29	0.41	10.41	0.03				PARTIAL FLOW
LAT. 'H-6'																				
27.14	0.00	27.14	H-6	0.14	0.90	0.13	0.13	10.00	8.74	1.1	0.0001	18	0.62	0.73	10.73	0.01				PARTIAL FLOW
LAT. 'H-7'																				
15.01	0.00	15.01	H-7	1.57	0.90	1.41	1.41	10.00	8.74	12.4	0.0061	21	5.14	0.05	10.05	0.41				PARTIAL FLOW

RECORD DRAWING

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

STATE OF TEXAS
DAVID E. MEYERS
81512
REGISTERED PROFESSIONAL ENGINEER
12/18/00

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

STORM WATER CALCULATIONS
HYDRAULIC CALCULATIONS

ADDISON CIRCLE

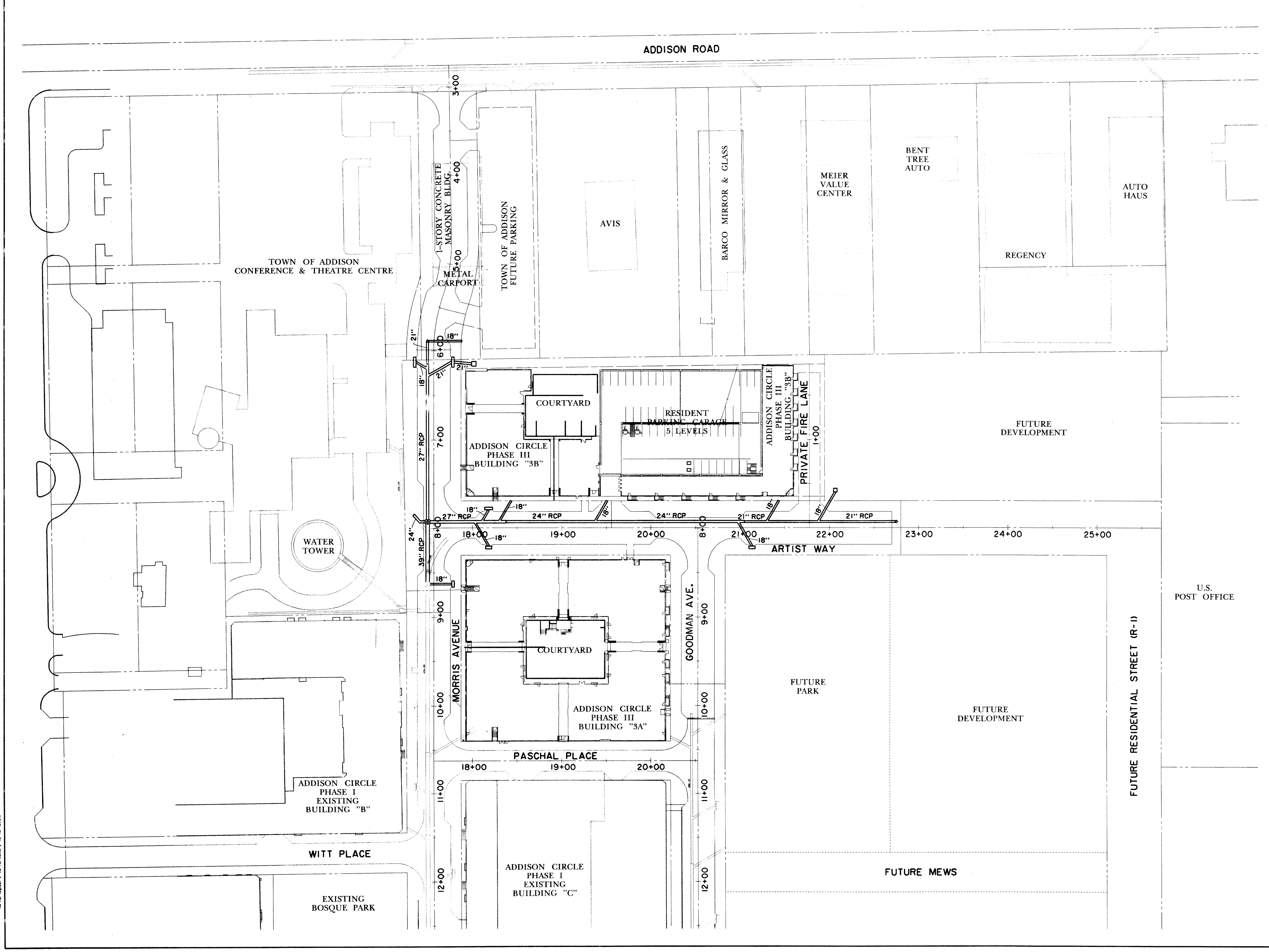
PHASE II-B PUBLIC INFRASTRUCTURE

TOWN OF ADDISON, TEXAS

Huitt - Zollars, 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	SW3

h:\proj\01182250\dgn\AUC30G06.DGN



RECORD DRAWING

BENCHMARKS:

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

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

BM#7
"□" 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

STATE OF TEXAS
DAVID E. MEYERS
81512
REGISTERED
PROFESSIONAL ENGINEER
12/13/00

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

STORM WATER SITE PLAN

ADDISON CIRCLE

PHASE II-B PUBLIC INFRASTRUCTURE

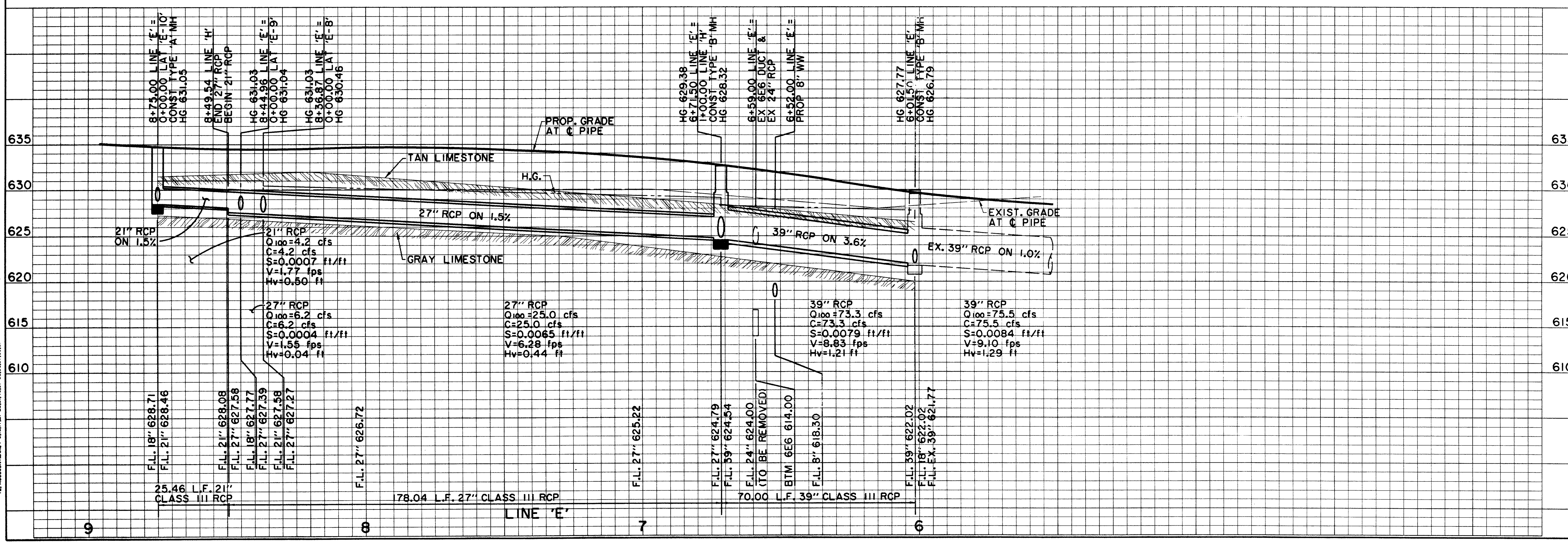
TOWN OF ADDISON, TEXAS

Huitt - Zollars, 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	1"=50'	MAR. 99	01-1822-50	SW4

h:\proj\01182250\dgn\AUC3SP04.DGN

RECORD DRAWING



BENCHMARKS:

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

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

BM#7
"□" 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

STATE OF TEXAS — DAVID E. MEYERS — 81512 — REGISTERED PROFESSIONAL ENGINEER

12/18/00

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

STORM WATER PLAN & PROFILE
LINE 'E' STA. 6+01.50 TO STA. 8+75.00

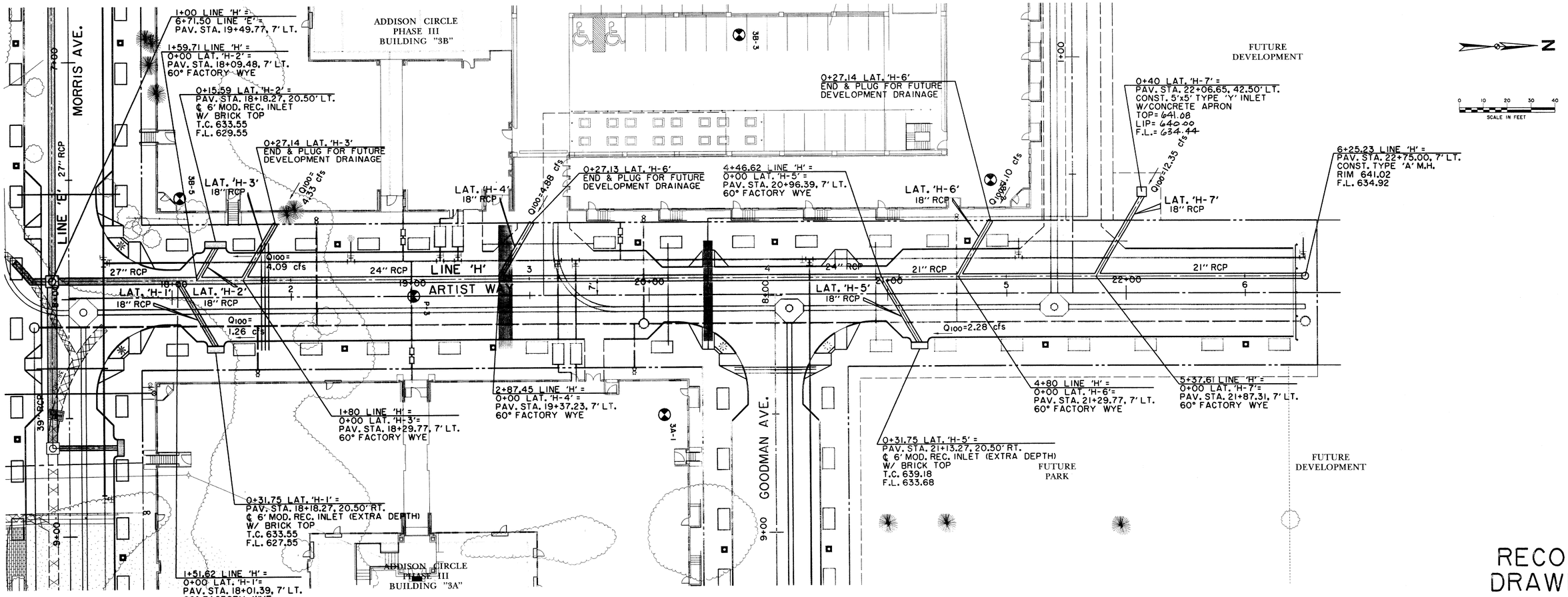
ADDISON CIRCLE
PHASE II-B PUBLIC INFRASTRUCTURE

TOWN OF ADDISON, TEXAS

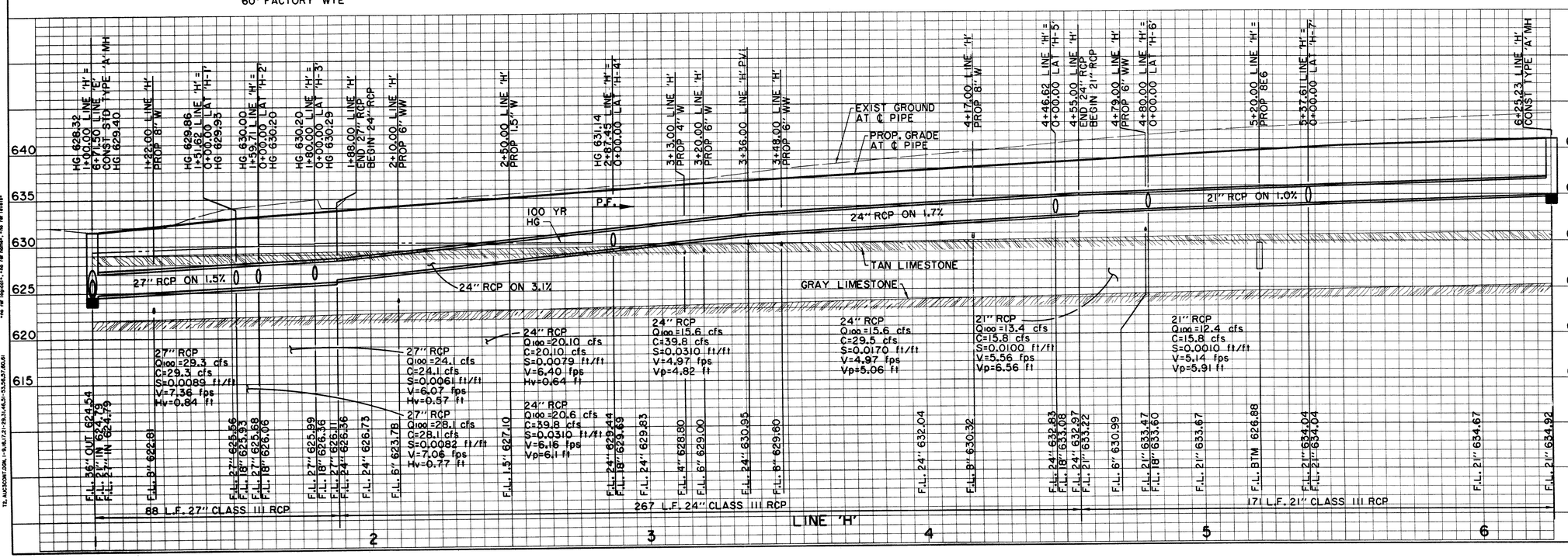
Huitt - Zollars, Inc.
3131 Mckinney Ave., Suite 600, Dallas, TX 75204
Phone (214) 871-3311/Fax (214) 871-0757

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	H: 1"=20' V: 1"=6'	MAR. 99	01-1822-50	SW5

h:\proj\01182250\dgn\AUC3DG01.DGN



RECORD DRAWING



BENCHMARKS:

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

BM*6
"□" CUT AT ℄ OF 8' INLET AT THE SOUTHWEST CORNER OF MORRIS AVE. AND WITT PLACE.
ELEV. 627.29

BM*7
"□" 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

STATE OF TEXAS · DAVID E. MEYERS · 81512 · REGISTERED · PROFESSIONAL ENGINEER
12/18/00

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

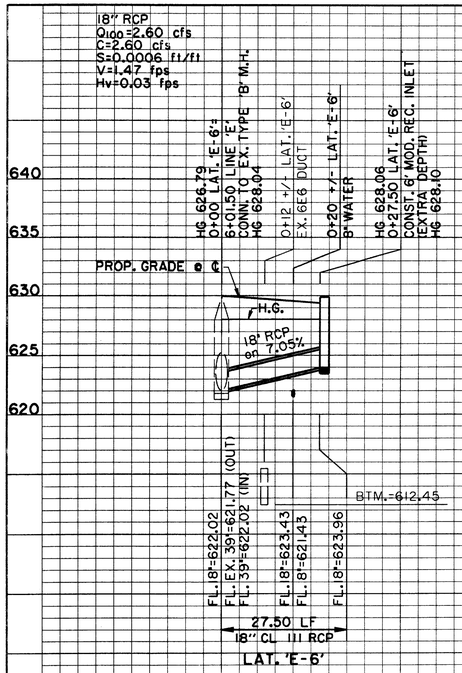
STORM WATER PLAN & PROFILE
LINE 'H' STA. 1+00.00 TO STA. 6+25.23

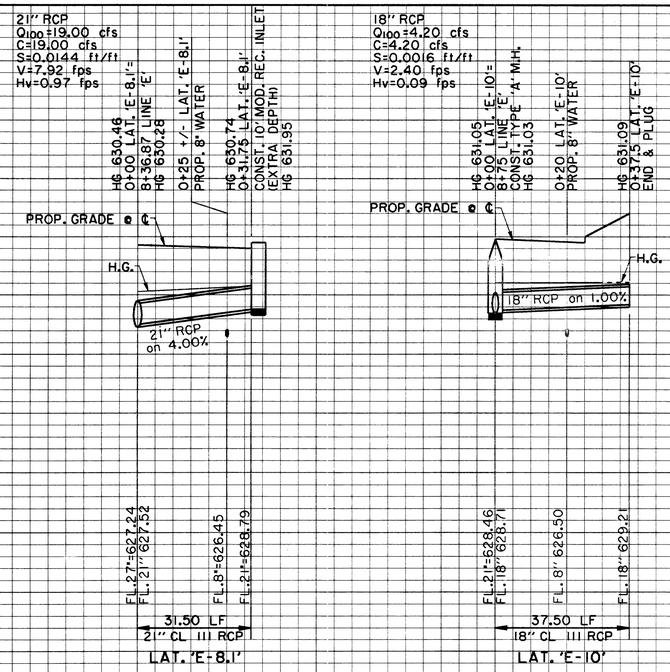
ADDISON CIRCLE
PHASE II-B PUBLIC INFRASTRUCTURE
TOWN OF ADDISON, TEXAS

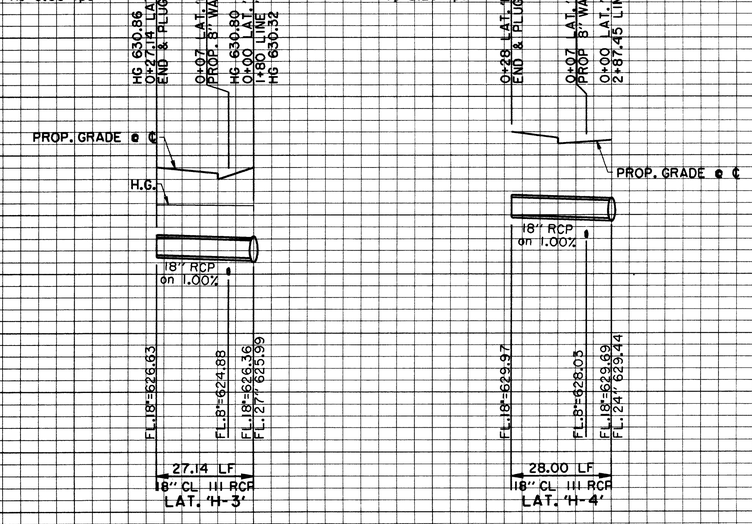
Huitt - Zollars, Inc.
3131 Mckinney Ave., Suite 600, Dallas, TX 75204
Phone (214) 871-3311/Fax (214) 871-0757

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	H: 1"=20' V: 1"=6'	MAR. 99	01-1822-50	SW6

h:\proj\01182250\dgn\AUC3DG02.DGN







RECORD DRAWING

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

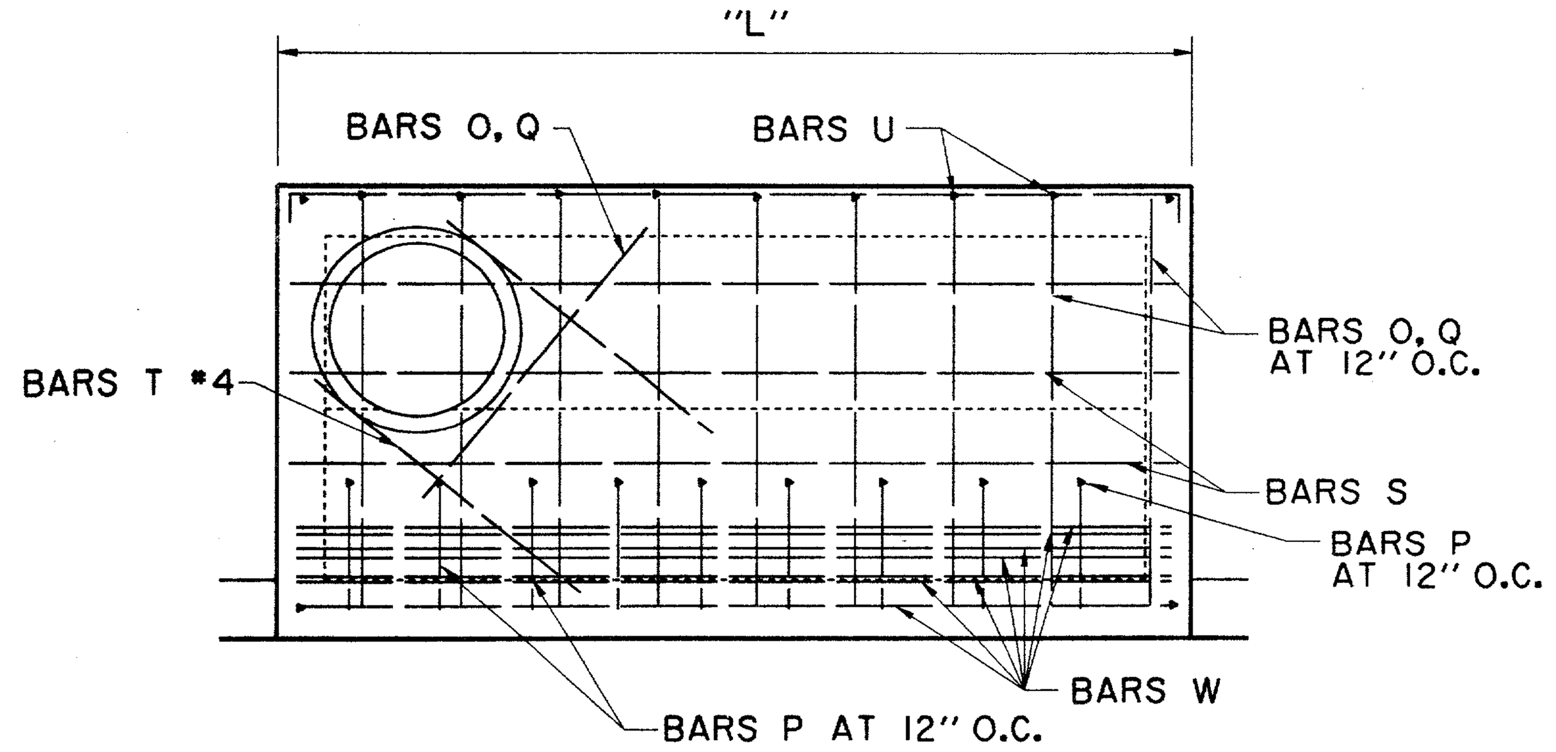
STATE OF TEXAS
DAVID E. MEYERS
81512
REGISTERED
PROFESSIONAL ENGINEER
12/8/00

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

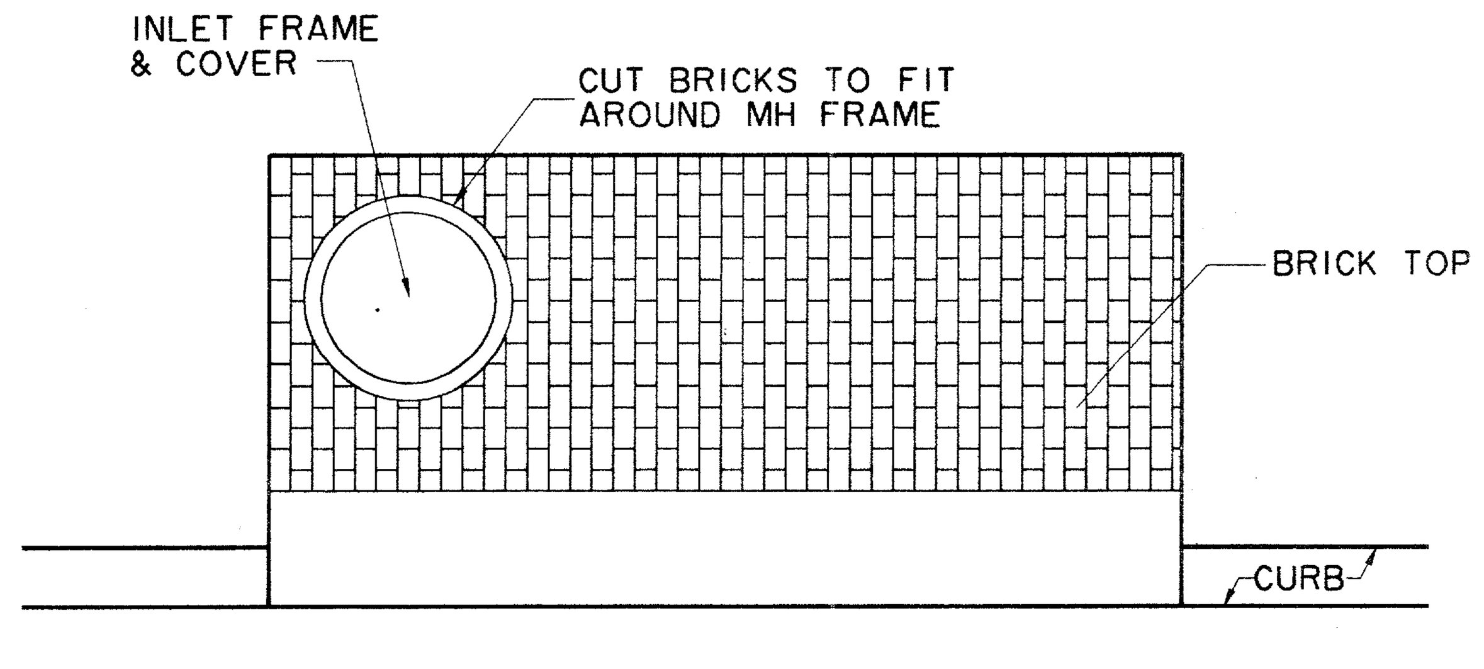
STORM WATER LATERAL PROFILES
LATERALS E & H
ADDISON CIRCLE
PHASE II-B PUBLIC INFRASTRUCTURE
TOWN OF ADDISON, TEXAS

Huitt - Zollars, Inc.
3131 Mckinney Ave., Suite 600, Dallas, TX 75204
Phone (214) 871-3311/Fax (214) 871-0757

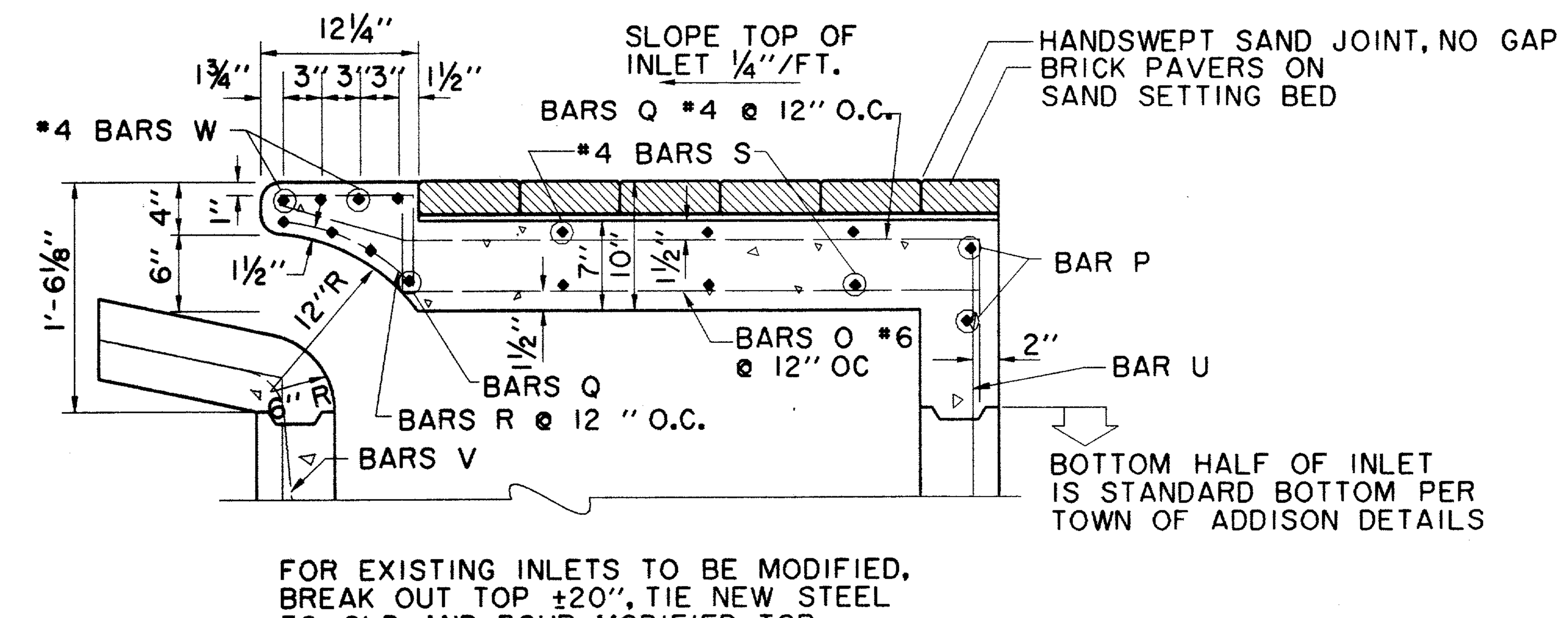
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	N.T.S.	MAR. 99	01-1822-50	SW7



INLET PLAN
REINFORCING STEEL FOR BRICK ON INLET
N.T.S.

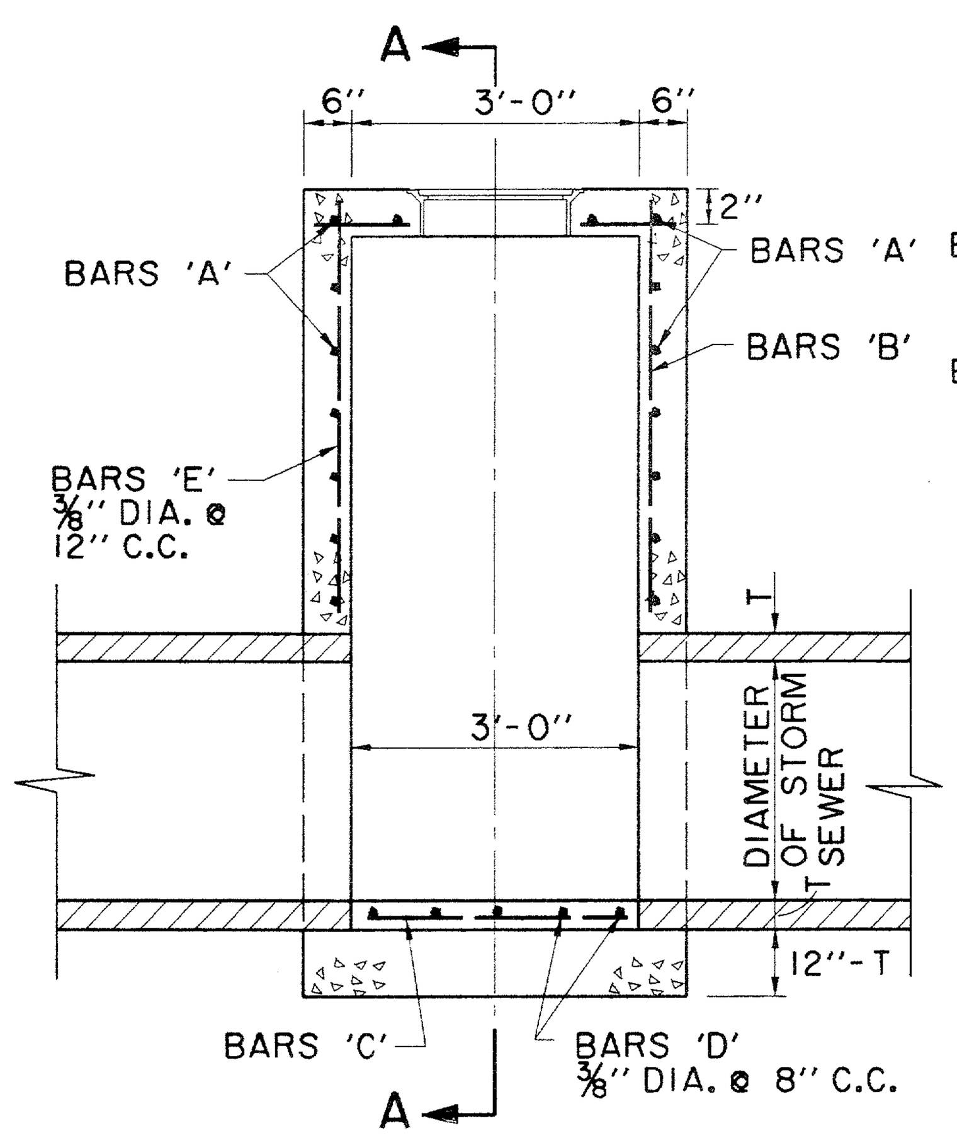


INLET PLAN
BRICK ON INLET
N.T.S.

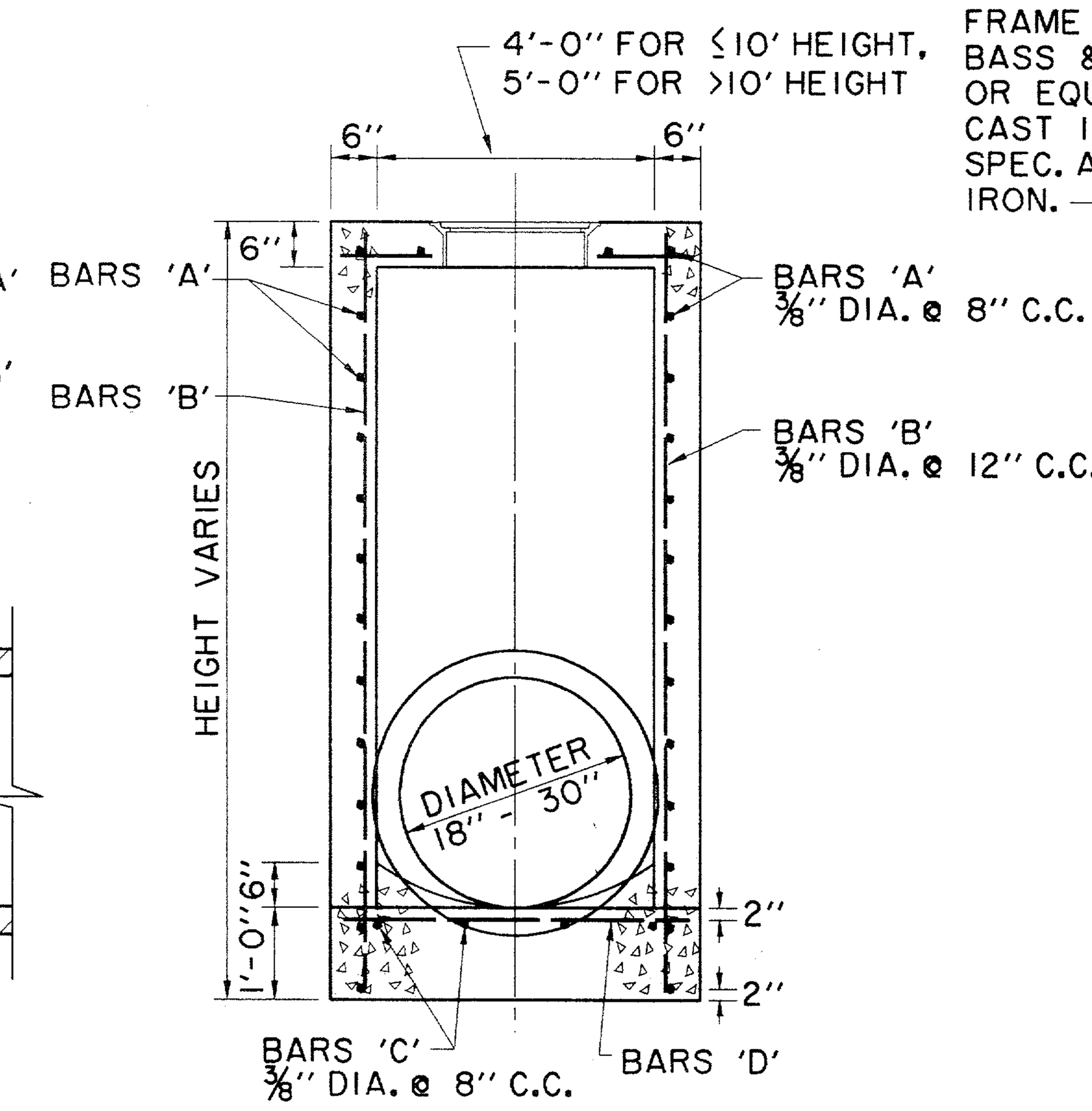


FOR EXISTING INLETS TO BE MODIFIED, BREAK OUT TOP ±20", TIE NEW STEEL TO OLD AND POUR MODIFIED TOP.

SECTION C-C - DETAIL
BRICK ON INLET
N.T.S.



ELEVATION
N.T.S.



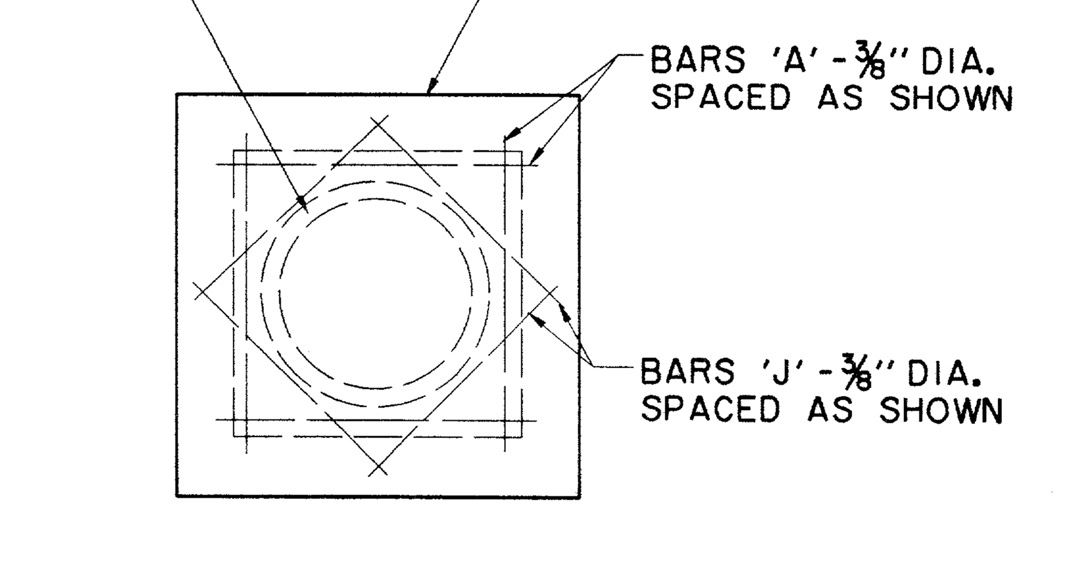
SECTION A-A
N.T.S.

TYPE A STORM SEWER MANHOLE
(FOR PIPE 18" TO 30" IN DIAMETER)

NOTE: STRUCTURAL CONCRETE TO BE MINIMUM 4200 p.s.i. UNLESS NOTED OTHERWISE

NOTE:
FRAME AND COVER SHALL BE BASS & HAYS PATTERN NO. 400-24 OR EQUAL AND SHALL BE OF GRAY CAST IRON CONFORMING TO A.S.T.M. SPEC. A-48 FOR CLASS 30 CAST IRON.

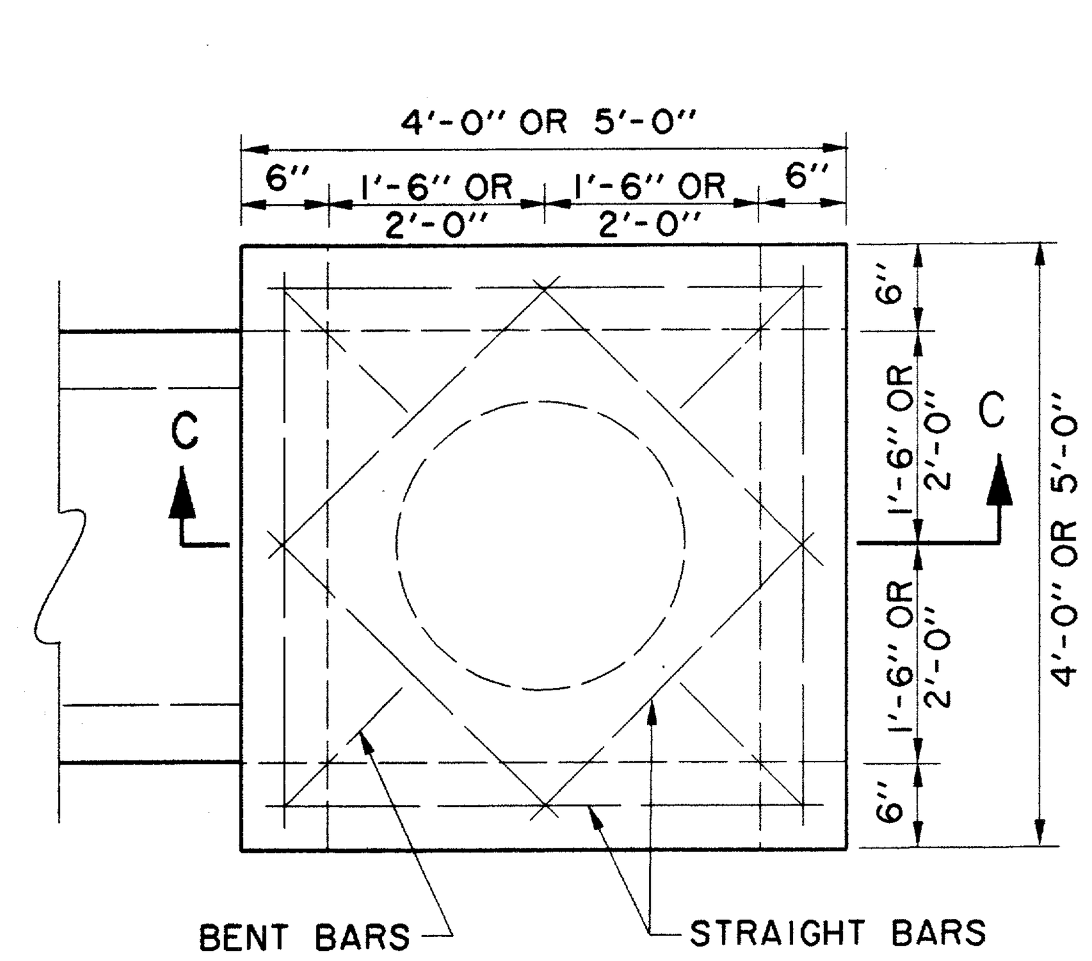
PROVIDE ¾" PREMOLDED EXPANSION JOINT BETWEEN MANHOLE AND CONCRETE PAVEMENT AND SEAL WITH HOT POURED RUBBER.



TOP PLAN
TYPE A & TYPE B STORM SEWER MANHOLE
N.T.S.

NOTE MAXIMUM PIPE SIZE TO BE USED 78"

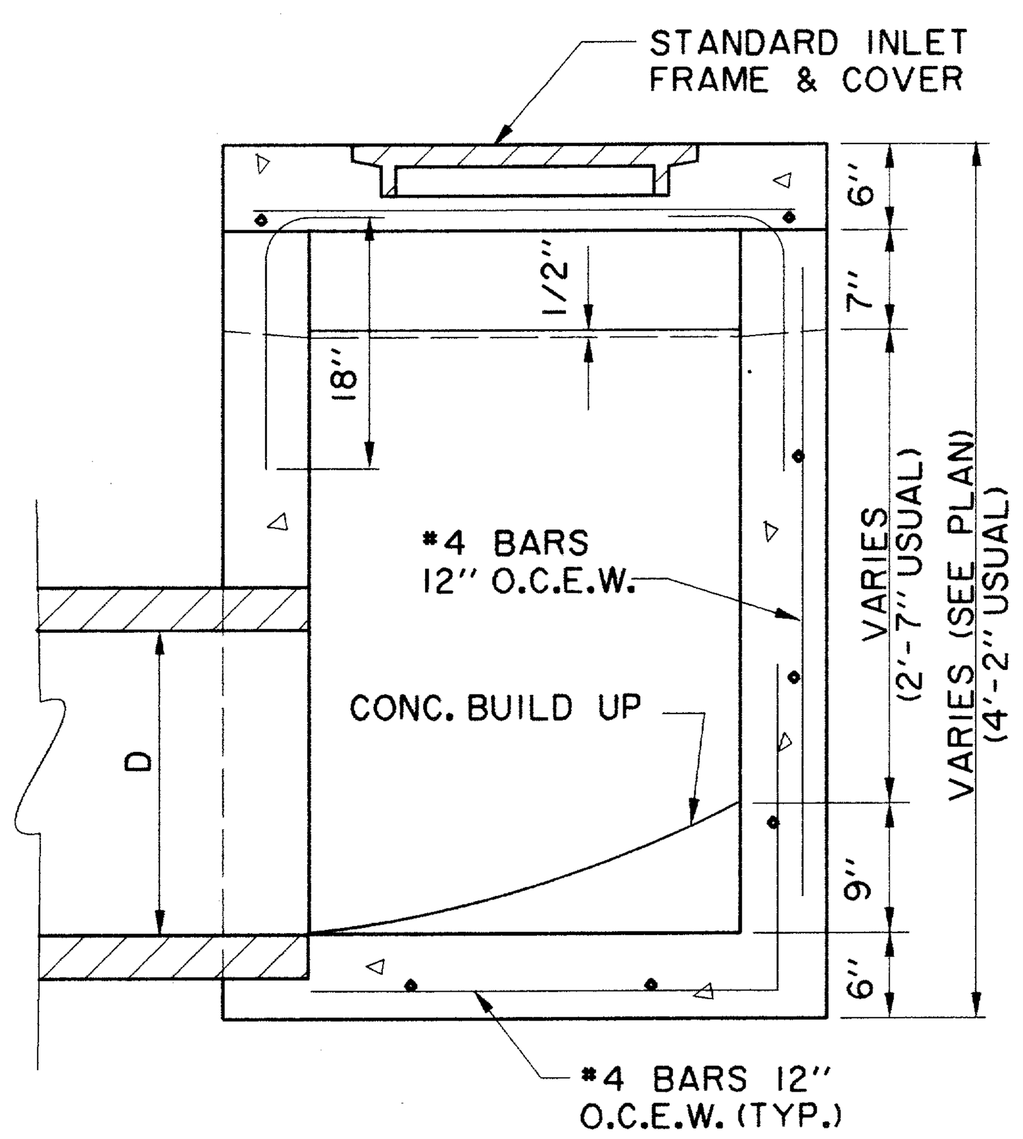
NOTE: MANHOLES AND INLETS GREATER THAN 4' IN DEPTH SHALL HAVE BASS AND HAYES MODEL MA STEPS OR APPROVED EQUAL



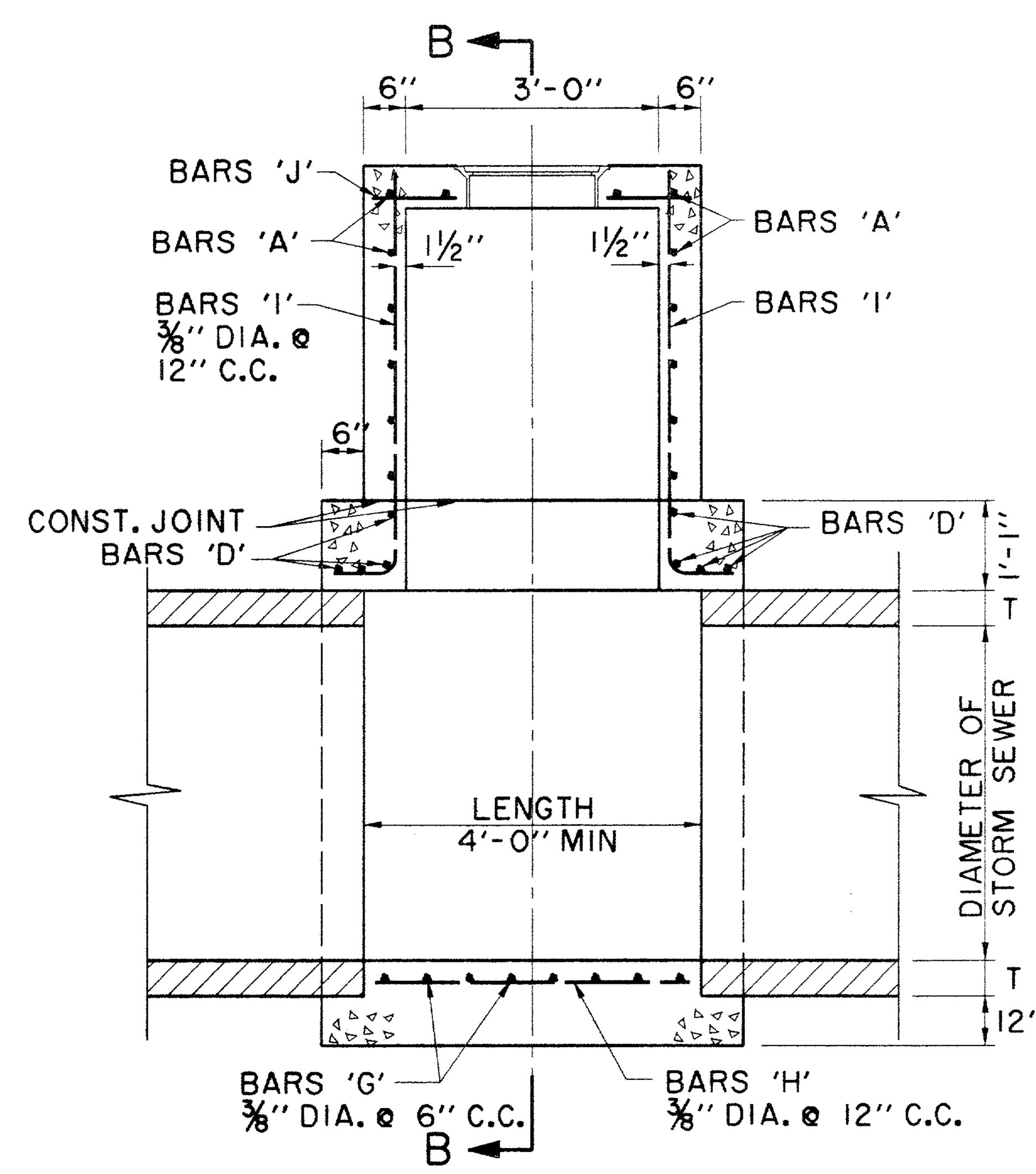
ALL REINFORCING SHALL BE NO. 5 BARS.

STANDARD TYPE "Y" INLET
N.T.S.

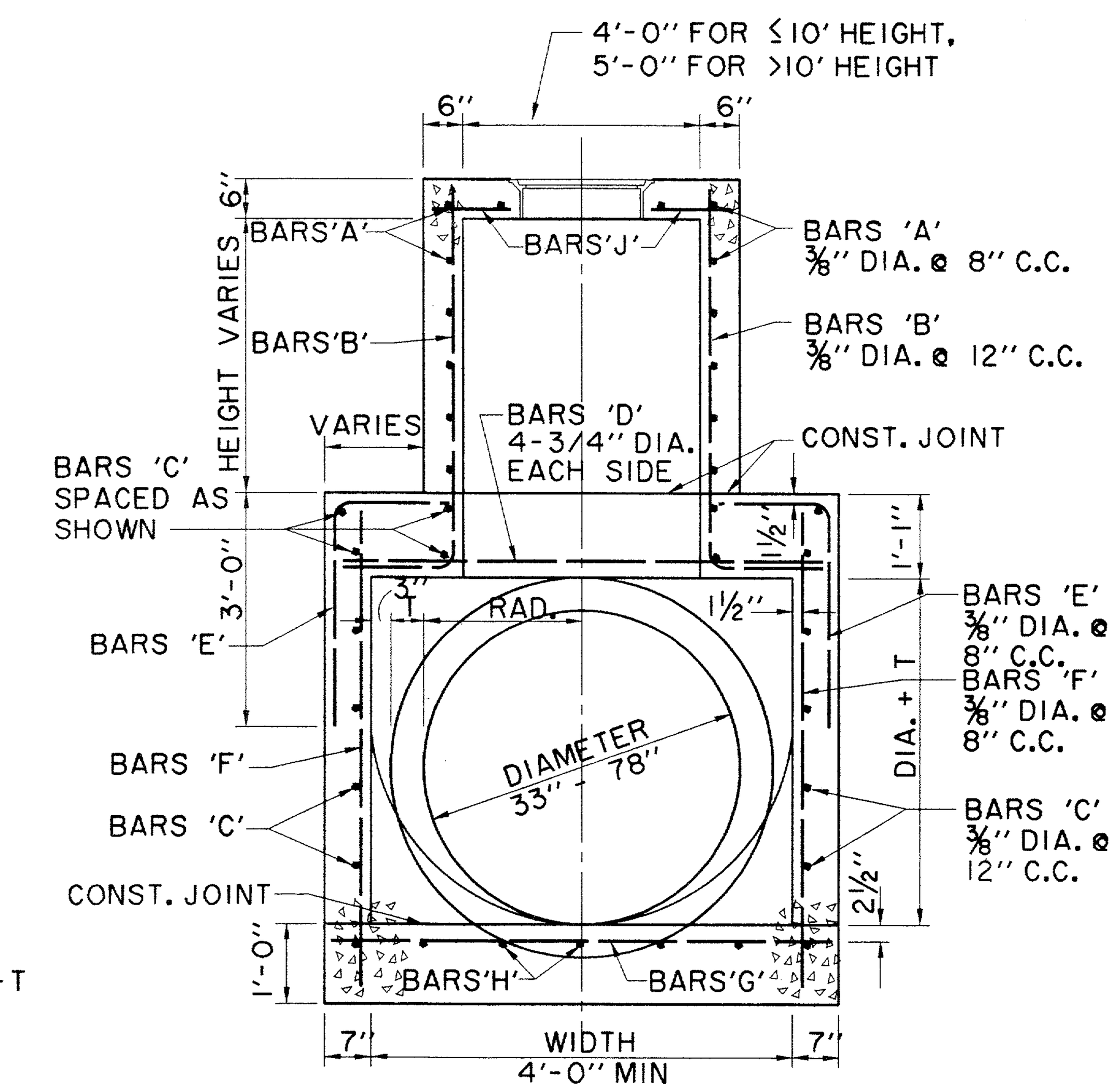
NOTE: ALL 'Y' INLETS TO HAVE CONCRETE APRON AROUND INLET



SECTION C-C
N.T.S.

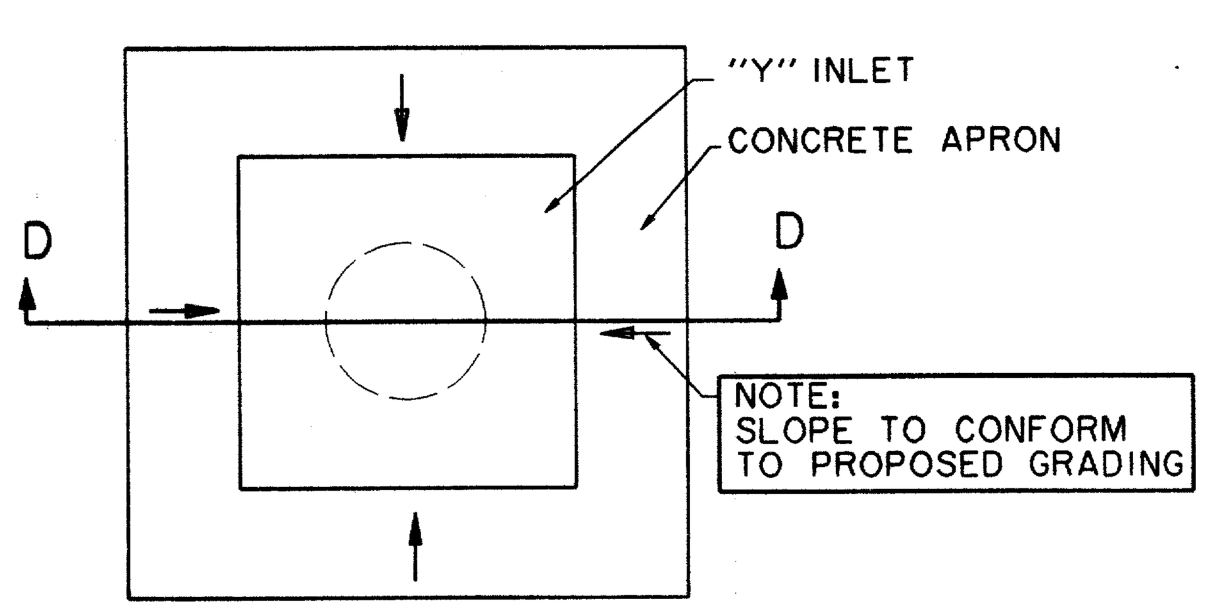


ELEVATION
N.T.S.

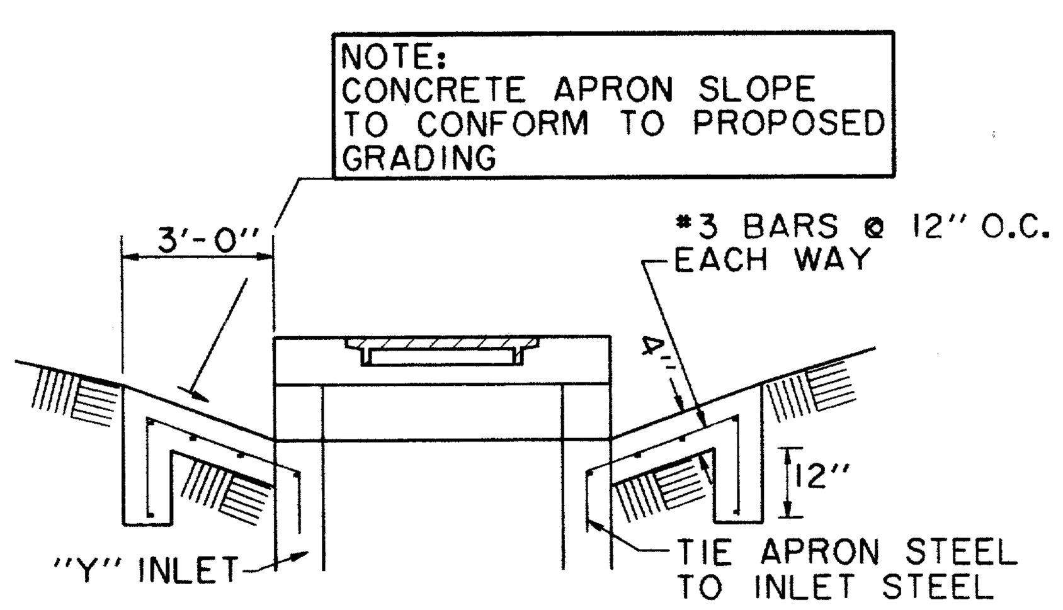


SECTION B-B
N.T.S.

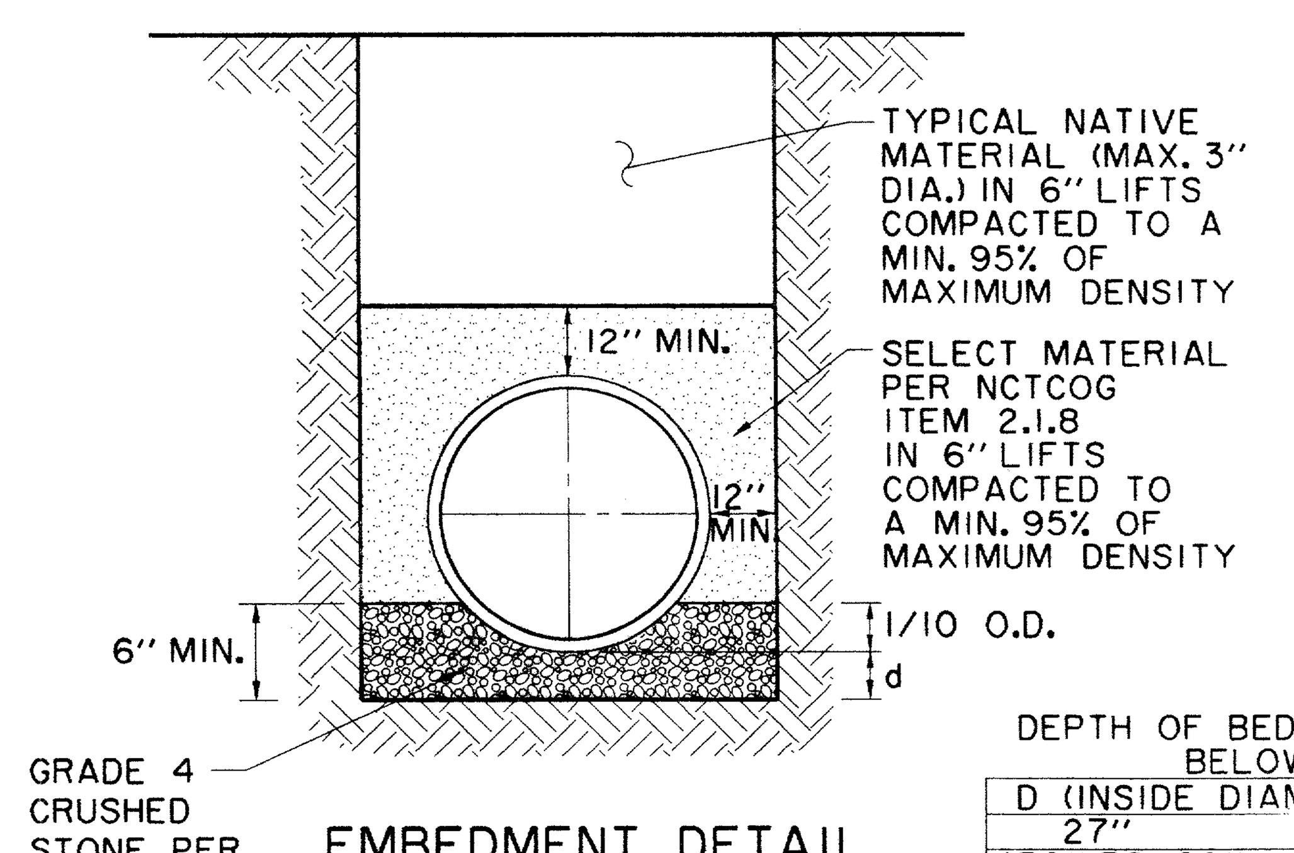
TYPE B STORM SEWER MANHOLE
(FOR PIPE 33" TO 78" IN DIAMETER)



"Y" INLET CONCRETE APRON PLAN
N.T.S.



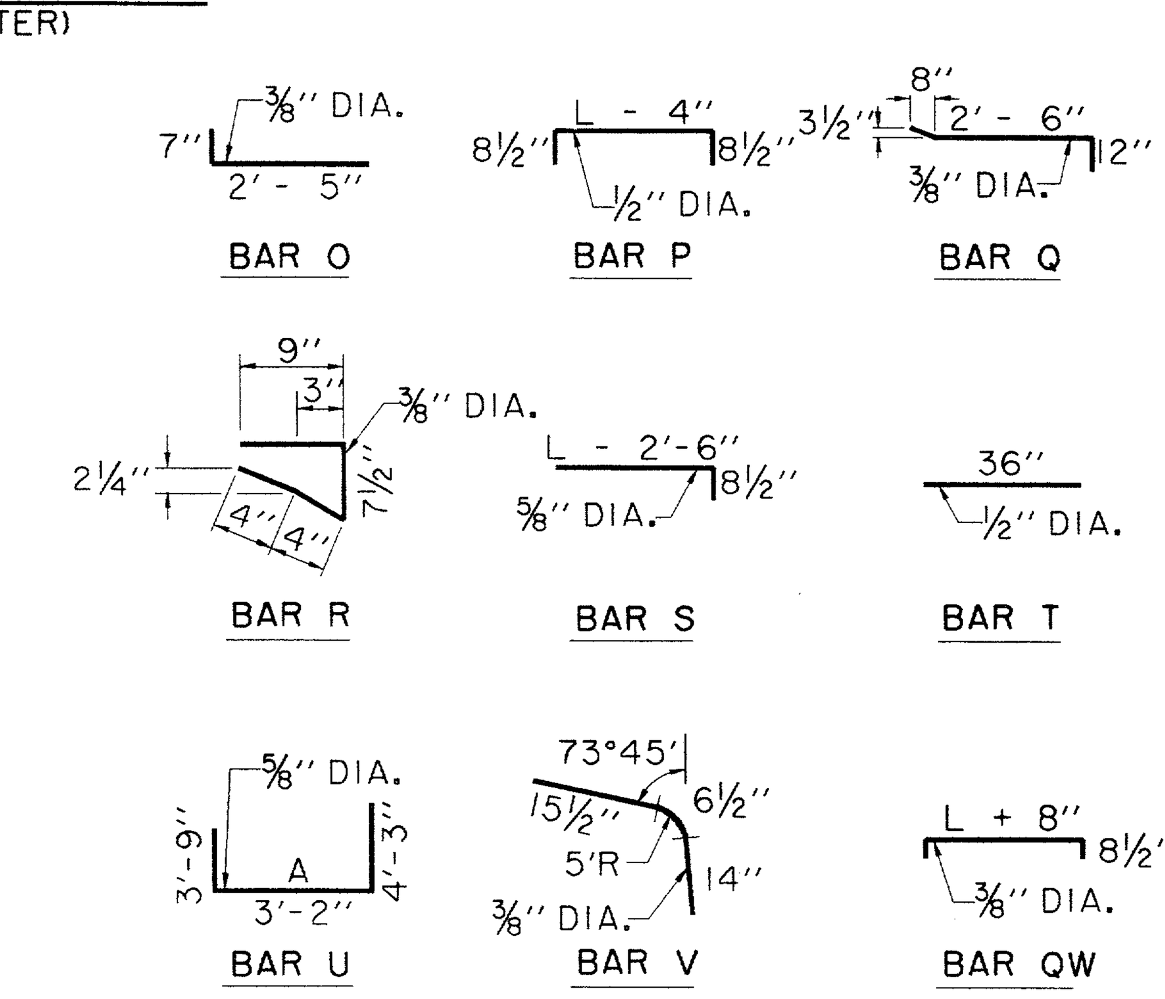
SECTION D-D
N.T.S.



EMBEDMENT DETAIL FOR STORM SEWER
N.T.S.

DEPTH OF BEDDING MATERIAL BELOW PIPE

D (INSIDE DIAMETER)	d (MIN.)
27"	3"
≤30" TO 60"	4"
≥66"	6"



BAR DIAGRAMS (BRICK ON INLET)
N.T.S.

NOTE: BAR DESIGNATIONS AND DIMENSIONS ARE DIFFERENT FROM STEEL SCHEDULE FOR REGULAR INLETS.

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

STORM WATER DETAILS

ADDISON CIRCLE

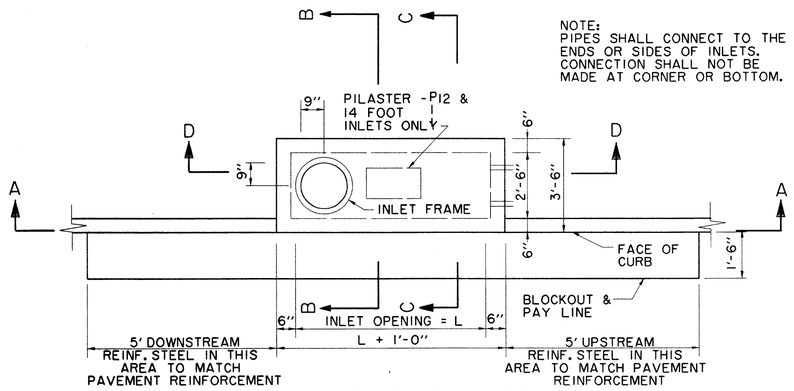
PHASE II-B PUBLIC INFRASTRUCTURE

TOWN OF ADDISON, TEXAS

Huitt - Zollars, Inc.
3131 Mckinney Ave., Suite 600, Dallas, TX 75204
Phone (214) 871-3311/Fax (214) 871-0757

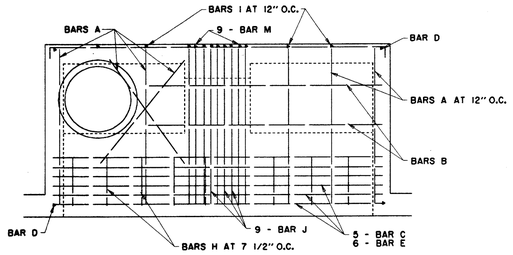
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	N.T.S.	MAR. 99	01-1822-50	SW8

h:\proj\01182250\dgn\AUC3TY09.DGN



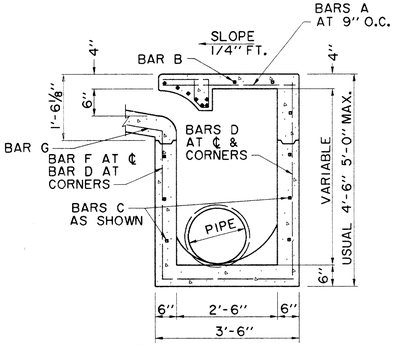
PLAN - STANDARD INLET

N.T.S.



INLET PLAN

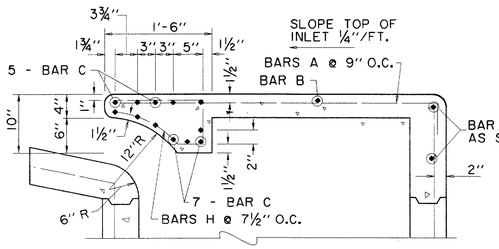
N.T.S.



SECTION B-B

6' & 8' INLETS

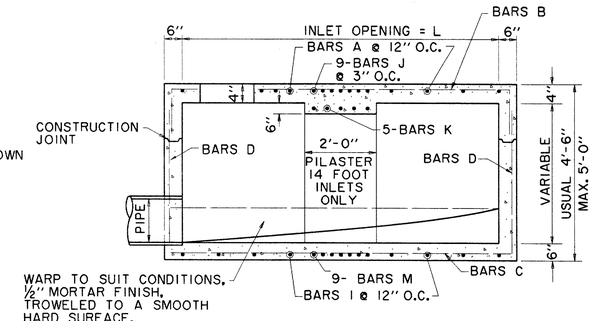
N.T.S.



SECTION C-C - DETAIL

6' & 8' INLETS

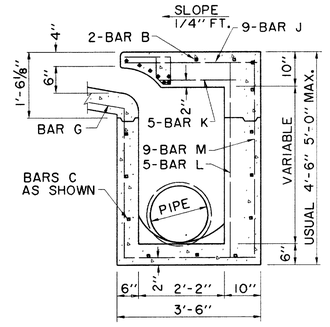
N.T.S.



SECTION D-D

14' INLET

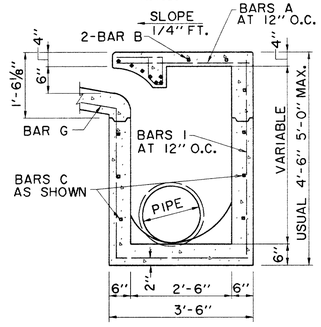
N.T.S.



SECTION B-B

10' & 14' INLETS

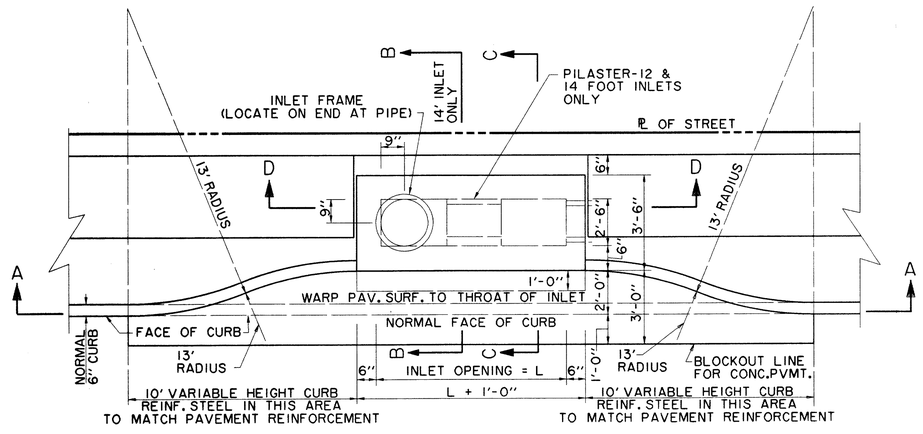
N.T.S.



SECTION C-C

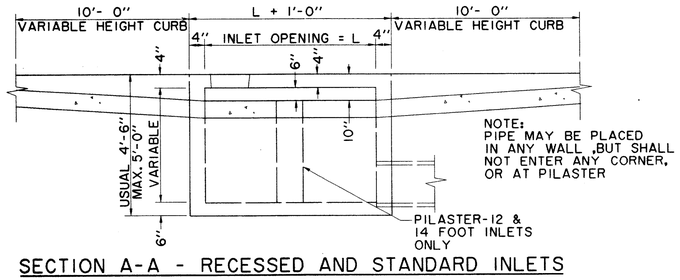
10' & 14' INLETS

N.T.S.



PLAN - RECESSED INLET

N.T.S.



SECTION A-A - RECESSED AND STANDARD INLETS

6, 8, 10 & 14 FOOT INLETS

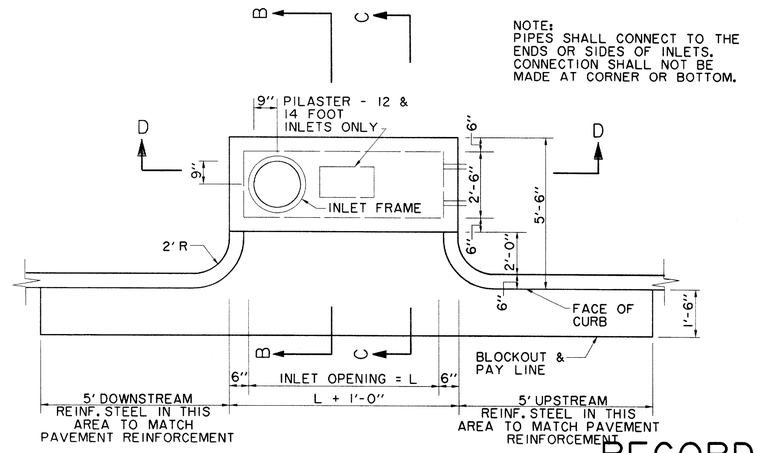
N.T.S.

REINFORCING STEEL SCHEDULE

DIMENSION SHOWN ARE FOR MAXIMUN SIZE INLETS

INLET LENGHT	BAR TYPE	BAR DIA. (1/8IN)	NO. REQ'D	BAR DIMENSIONS A	B	C
6	A	3	9	3'-2''	0'-3''	
	B	3	1	4'-10''		
	C	4	15	6'-8''	0'-6''	
	D	4	5	4'-8''		
	F	4	1	3'-2''		
	G	3	5	2'-0''	1'-3''	
	H	6	6	•	•	•
	N	3	3	3'-2''	3'-2''	3'-2''
8	A	3	12	3'-2''	0'-3''	
	B	3	1	6'-10''		
	C	4	15	8'-8''	0'-6''	
	D	4	5	4'-8''		
	F	4	1	3'-2''		
	G	3	5	2'-0''	1'-3''	
	H	6	8	•	•	•
	N	3	3	3'-2''	3'-2''	3'-2''
10	A	3	10	3'-2''	0'-3''	
	B	3	2	8'-10''		
	C	4	16	10'-8''	0'-6''	
	D	4	4	4'-8''		
	E	5	6	10'-8''		
	G	3	5	2'-0''	1'-3''	
	H	3	15	•	•	•
	I	4	8	4'-8''	3'-2''	3'-2''
	L	4	5	4'-3''		
12	A	3	12	3'-2''	0'-3''	
	B	3	2	10'-10''		
	C	4	16	12'-8''	0'-6''	
	D	4	4	4'-8''		
	E	5	6	12'-8''		
	G	3	5	2'-0''	1'-3''	
	H	3	18	•	•	•
	I	4	10	4'-8''	3'-2''	3'-2''
	J	5	9	3'-2''	1'-3''	
	K	4	5	2'-3''		
	L	4	5	4'-3''		
	M	5	9	4'-3''	3'-2''	3'-9''
14	A	3	14	3'-2''	0'-3''	
	B	3	2	10'-10''		
	C	4	16	14'-8''	0'-6''	
	D	4	4	4'-8''		
	E	5	6	14'-8''		
	G	3	5	2'-0''	1'-3''	
	H	3	21	•	•	•
	I	4	12	4'-8''	3'-2''	3'-2''
	J	5	9	3'-2''	1'-3''	
	K	4	5	2'-3''		
	L	4	5	4'-3''		
	M	5	9	4'-3''	3'-2''	3'-9''

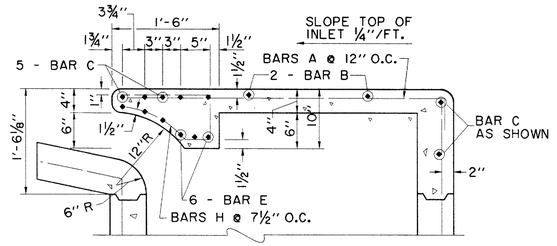
• SEE DIAGRAM FOR DIMENSIONS



PLAN - MODIFIED RECESSED INLET

N.T.S.

RECORD DRAWING

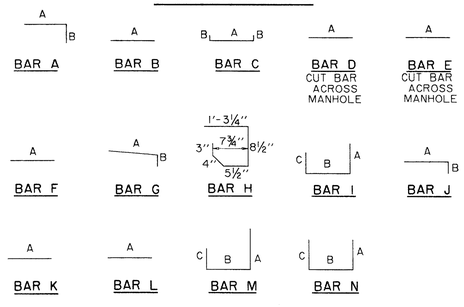


SECTION C-C - DETAIL

10' & 14' INLETS

N.T.S.

BAR DIAGRAMS



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

STATE OF TEXAS — DAVID E. MEYERS — 81512 — REGISTERED PROFESSIONAL ENGINEER — 12/18/00

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

STORM WATER DETAILS

ADDISON CIRCLE

PHASE II-B PUBLIC INFRASTRUCTURE

TOWN OF ADDISON, TEXAS

Huitt - Zollars, 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	SW9

h:\proj\0118250\dgn\AUC3TY02.DGN