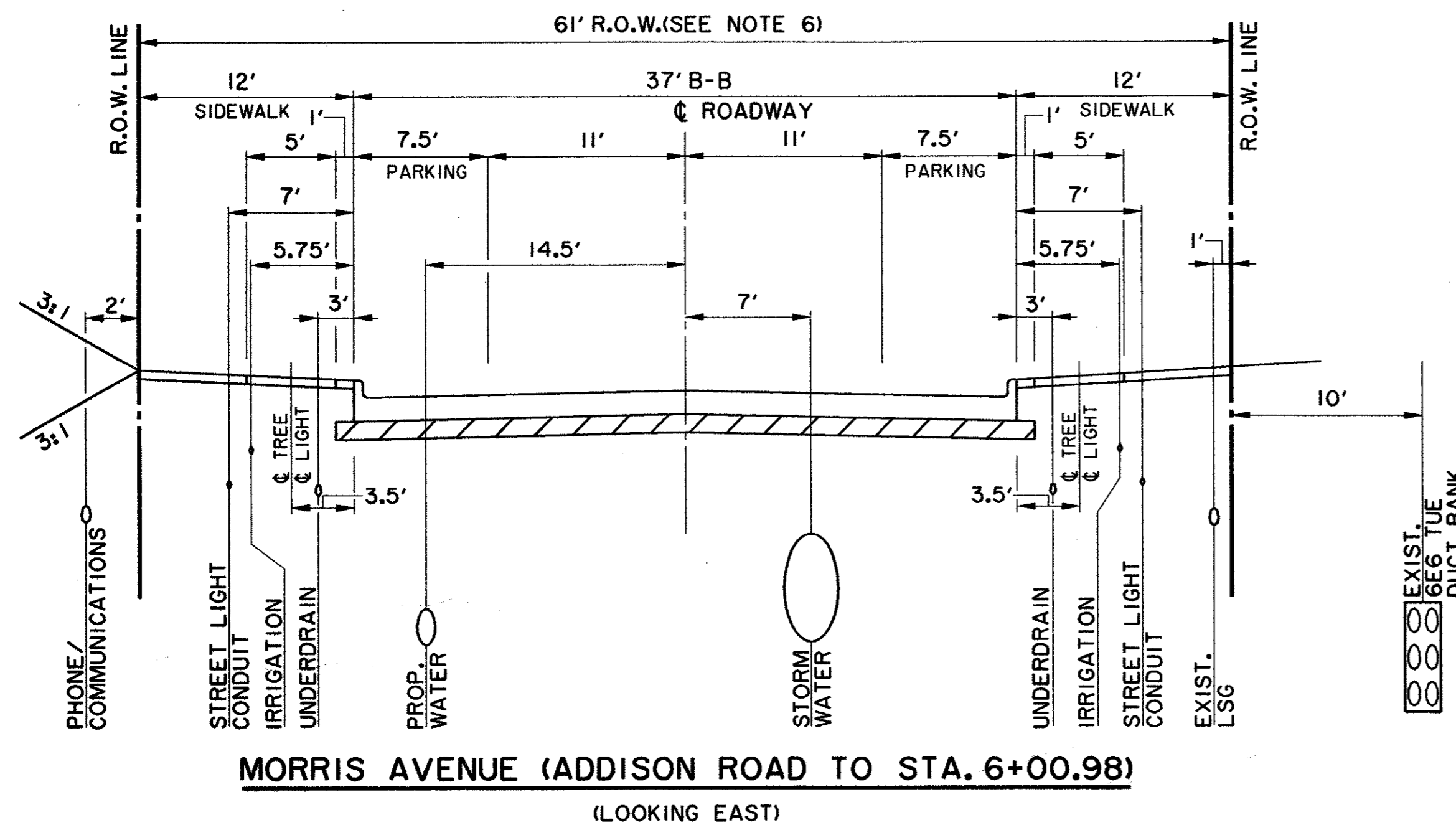


**2 LANES UNDIVIDED**  
**MORRIS AVENUE (ADDISON ROAD TO STA. 6+00.98)**  
 (SEE PLAN VIEW FOR NECK-DOWN AREAS)



**MORRIS AVENUE (ADDISON ROAD TO STA. 6+00.98)**  
 (LOOKING EAST)

**NOTES:**

- BACKFILL MATERIAL IS NOT A SEPARATE PAY ITEM. MATERIAL ACQUIRED FROM EXCAVATION MAY BE USED IF APPROVED BY ENGINEER.
- PAY LINE FOR UNCLASSIFIED STREET EXCAVATION IS TO THE TOE OF SLOPE WHERE 3:1 MATCHES EXISTING.
- SAWED JOINTS SHALL BE SPACED AT 12' INTERVALS ON MORRIS AVENUE.
- PROFILE GRADES SHOWN ON THE PAVING PLAN AND PROFILE SHEETS ARE TOP OF CURB AT BACK OF CURB FOR A NORMAL ROADWAY CROSS-SECTION AS INDICATED ON THE TYPICAL SECTIONS BY "PROFILE T.C.".
- THE 1/4"/FT. CROSS-SLOPE IN SIDEWALK AREAS IS THE STANDARD CONDITION FOR THIS PROJECT.
- 61 FOOT RIGHT-OF WAY IS TYPICAL FOR A RESIDENTIAL STREET IN THE URBAN CENTER DISTRICT. THE SECTION OF STREET IN THIS PROJECT IS ON LAND OWNED BY THE TOWN OF ADDISON. THEREFORE, THERE IS NO DEDICATED STREET RIGHT OF WAY AND THE 12 FOOT DIMENSION IS TYPICAL ON THE NORTH SIDE OF MORRIS AVENUE AND IS VARIABLE ON THE SOUTH SIDE OF MORRIS AVENUE.

**JOINT LEGEND:**

- ① - SAWED LONGITUDINAL DUMMY JOINT
- ② - CONSTRUCTION JOINT (FULL WIDTH PVM'T. IS ALLOWED WHERE APPROVED BY THE TOWN OF ADDISON). FULL WIDTH PAVEMENT REQUIRES A SAWED LONGITUDINAL JOINT AT THE CENTERLINE OF THE PAVEMENT.

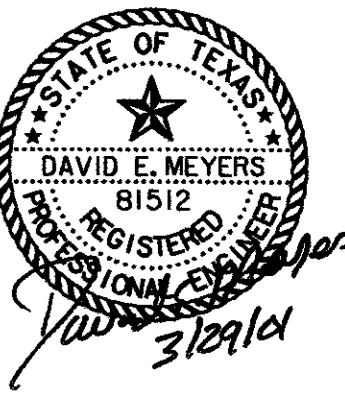
**LIST OF ABBREVIATIONS**

at	Area	PAR.	Parabolic
B-B	Back to Back	P.C.	Point of Curvature
BM	Bench Mark	P.F.	Partial Flow
BTM	Bottom	P.I.	Point of Intersection
B.W.	Bottom of wall	P.R.C.	Point of Reverse Curvature
C.	Capacity or Runoff Coefficient	PAV.	Paving
C.C.	Center to Center	PP	Power Pole
C.R.	Curb Return	PROP.	Proposed
CATV	Cable TV	P.T.	Point of Tangency
CD	Chord Distance	PB	Pull Box
CL	Centerline	P.V.I.	Point of Vertical Intersection
CLR.	Clear	P.V.C.	Point of Vertical Curvature
Conc.	Concrete	P.V.R.C.	Point of Vertical Reverse Curvature
CONST.	Construct	PVM'T.	Pavement
DIA.	Diameter	P.V.T.	Point of Vertical Tangency
DB	Direct Bury	Q100	100 year flow
E	East	R	Radius
E.P.	Edge of Pavement	REINF.	Reinforced
EQ.	Equal	REC.	Recessed
EX.	Existing	RCP	Reinforced Concrete Pipe
EX.F.	Existing Floor	RCCP	Reinforced Concrete Cylinder Pipe
F.L.	Flowline	R.O.W.	Right of Way
FH	Fire Hydrant	RR	Railroad
GM	Gas Meter	RT.	Right
HG	Hydraulic Gradient	S	Slope or South
HV	Velocity Head	SCH.	Schedule
I.R.	Iron Rod	SS	Sanitary Sewer
I.P.F.	Iron Rod Found	STD.	Standard
I.P.S.	Iron Rod Set	STA.	Station
I100	100 Year Intensity	STAB.	Stabilized
L	Length	SW	Storm Water
L.F.	Linear Feet	SWBT	Southwestern Bell Telephone
LAT.	Lateral	T	Tangent
LT.	Left	T.C.	Top of Curb
m	Mid-ordinate	tc	Time of Concentration
MAX.	Maximum	T.P.	Top of Pavement
M.J.	Mechanical Joint	T.W.	Top of Wall
MH	Manhole or Metal Halide	Typ.	Typical
MIN.	Minimum	V	Velocity
MOD.	Modified	VP	Partial Flow Velocity
N	North	V.C.	Vertical Curve
NA	Not Applicable	W	West
N.T.S.	Not to Scale	W/	with
O.C.	On Center	WM	Water Meter
O.C.E.W.	On Center Each Way	W	Water
O.D.	Outside Diameter	WW	Waste Water
		Δ	Angle of Deflection

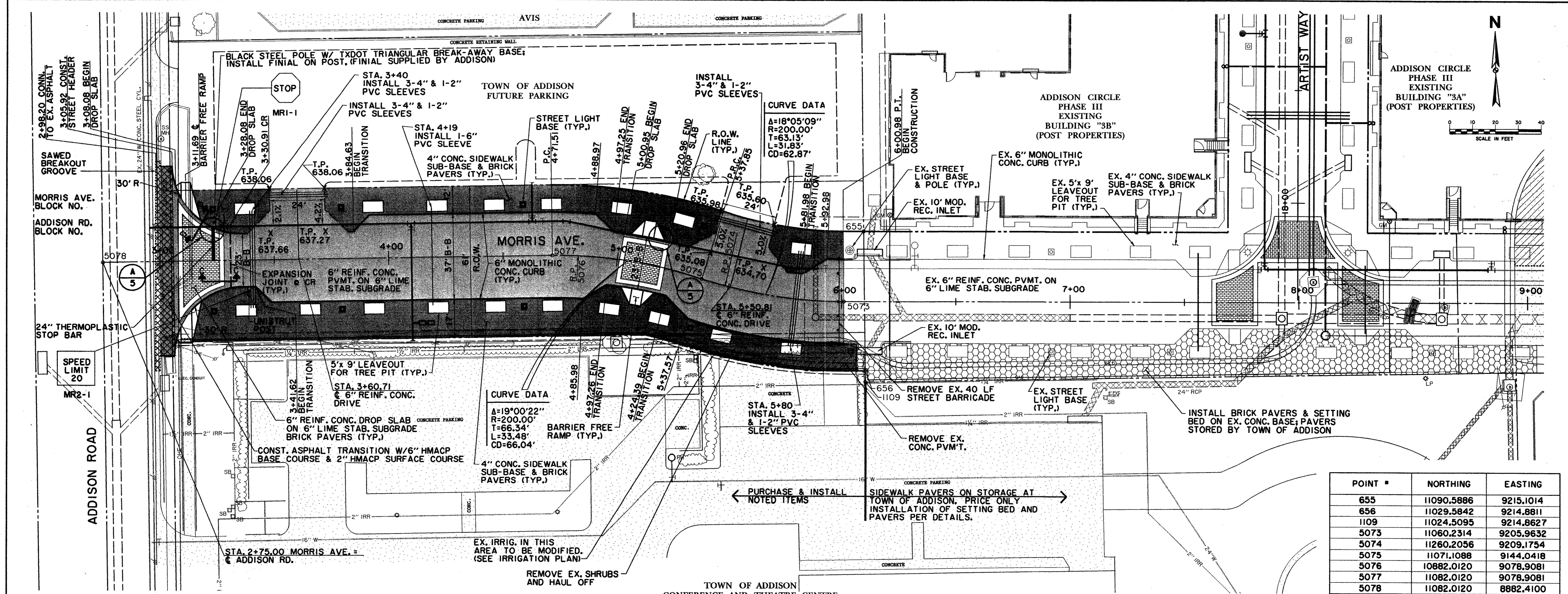
**LEGEND**

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

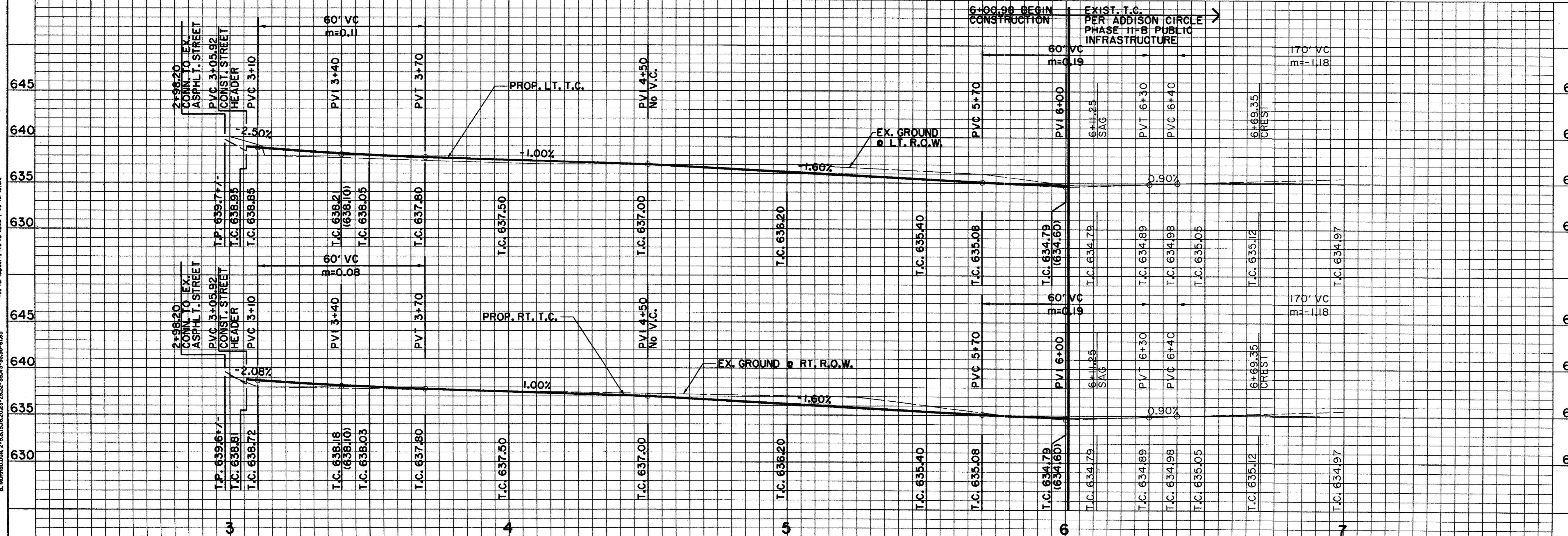
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512



DATE	DESCRIPTION	REF NO.
4/20/01	ISSUED FOR BID	N/A
<b>PAVING TYPICAL SECTIONS, LEGEND &amp; ABBREVIATIONS</b>		
<b>MORRIS AVENUE EXTENSION</b>		
<b>PUBLIC INFRASTRUCTURE</b>		
<b>TOWN OF ADDISON, TEXAS</b>		
DESIGN	DRAWN	APPR.
HZI	HZI	DEM
SCALE	DATE	PROJECT NO.
N.T.S.	APR. 2001	01-3000-01
NO.		
2		



POINT #	NORTHING	EASTING
655	11090.5886	9215.1014
656	11029.5842	9214.8811
1109	11024.5095	9214.8627
5073	11060.2314	9205.9632
5074	11260.2056	9209.1754
5075	11071.1088	9144.0418
5076	10882.0120	9078.9081
5077	11082.0120	9078.9081
5078	11082.0120	8882.4100



**BENCHMARKS:**

BM\*5  
"I" CUT ON 8" INLET ON NORTH CURB LINE OF GOODMAN AVE. 275' EAST OF PASCHAL PLACE. ELEV. 629.98

645  
BM\*6  
"I" CUT AT C OF 8" INLET AT THE SOUTHWEST CORNER OF MORRIS AVE. AND WITT PLACE. ELEV. 627.29

640  
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.
4/20/01	ISSUED FOR BID	N/A

**PAVING PLAN & PROFILE**  
MORRIS AVE. 2+98.20 TO 6+00.98  
PUBLIC INFRASTRUCTURE  
TOWN OF ADDISON, TEXAS

Hubb - 231bars, 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.
HZ1	HZ1	DEM	H: 1"=20' V: 1"=6'	APR. 2001	01-3000-01	3

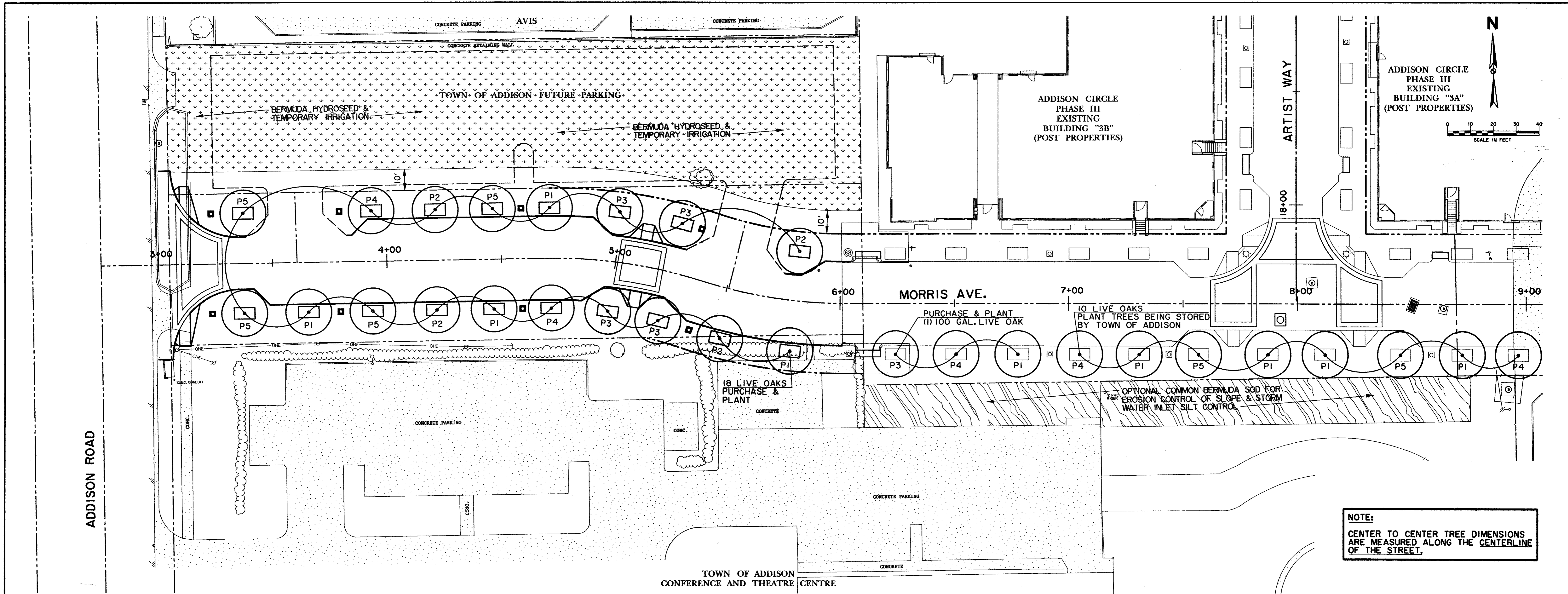
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 2. MORRIS AVENUE, 2+98.20 TO 6+00.98, 1:2"=20' HORIZ. SCALE, 1"=6' VERT. SCALE, DATE: 04/20/01, DRAWN BY: HZ1, CHECKED BY: DEM, PROJECT NO.: 01-3000-01, SHEET NO.: 3  
 3. MORRIS AVENUE, 2+98.20 TO 6+00.98, 1:2"=20' HORIZ. SCALE, 1"=6' VERT. SCALE, DATE: 04/20/01, DRAWN BY: HZ1, CHECKED BY: DEM, PROJECT NO.: 01-3000-01, SHEET NO.: 3  
 4. MORRIS AVENUE, 2+98.20 TO 6+00.98, 1:2"=20' HORIZ. SCALE, 1"=6' VERT. SCALE, DATE: 04/20/01, DRAWN BY: HZ1, CHECKED BY: DEM, PROJECT NO.: 01-3000-01, SHEET NO.: 3  
 5. MORRIS AVENUE, 2+98.20 TO 6+00.98, 1:2"=20' HORIZ. SCALE, 1"=6' VERT. SCALE, DATE: 04/20/01, DRAWN BY: HZ1, CHECKED BY: DEM, PROJECT NO.: 01-3000-01, SHEET NO.: 3  
 6. MORRIS AVENUE, 2+98.20 TO 6+00.98, 1:2"=20' HORIZ. SCALE, 1"=6' VERT. SCALE, DATE: 04/20/01, DRAWN BY: HZ1, CHECKED BY: DEM, PROJECT NO.: 01-3000-01, SHEET NO.: 3  
 7. MORRIS AVENUE, 2+98.20 TO 6+00.98, 1:2"=20' HORIZ. SCALE, 1"=6' VERT. SCALE, DATE: 04/20/01, DRAWN BY: HZ1, CHECKED BY: DEM, PROJECT NO.: 01-3000-01, SHEET NO.: 3  
 8. MORRIS AVENUE, 2+98.20 TO 6+00.98, 1:2"=20' HORIZ. SCALE, 1"=6' VERT. SCALE, DATE: 04/20/01, DRAWN BY: HZ1, CHECKED BY: DEM, PROJECT NO.: 01-3000-01, SHEET NO.: 3  
 9. MORRIS AVENUE, 2+98.20 TO 6+00.98, 1:2"=20' HORIZ. SCALE, 1"=6' VERT. SCALE, DATE: 04/20/01, DRAWN BY: HZ1, CHECKED BY: DEM, PROJECT NO.: 01-3000-01, SHEET NO.: 3  
 10. MORRIS AVENUE, 2+98.20 TO 6+00.98, 1:2"=20' HORIZ. SCALE, 1"=6' VERT. SCALE, DATE: 04/20/01, DRAWN BY: HZ1, CHECKED BY: DEM, PROJECT NO.: 01-3000-01, SHEET NO.: 3



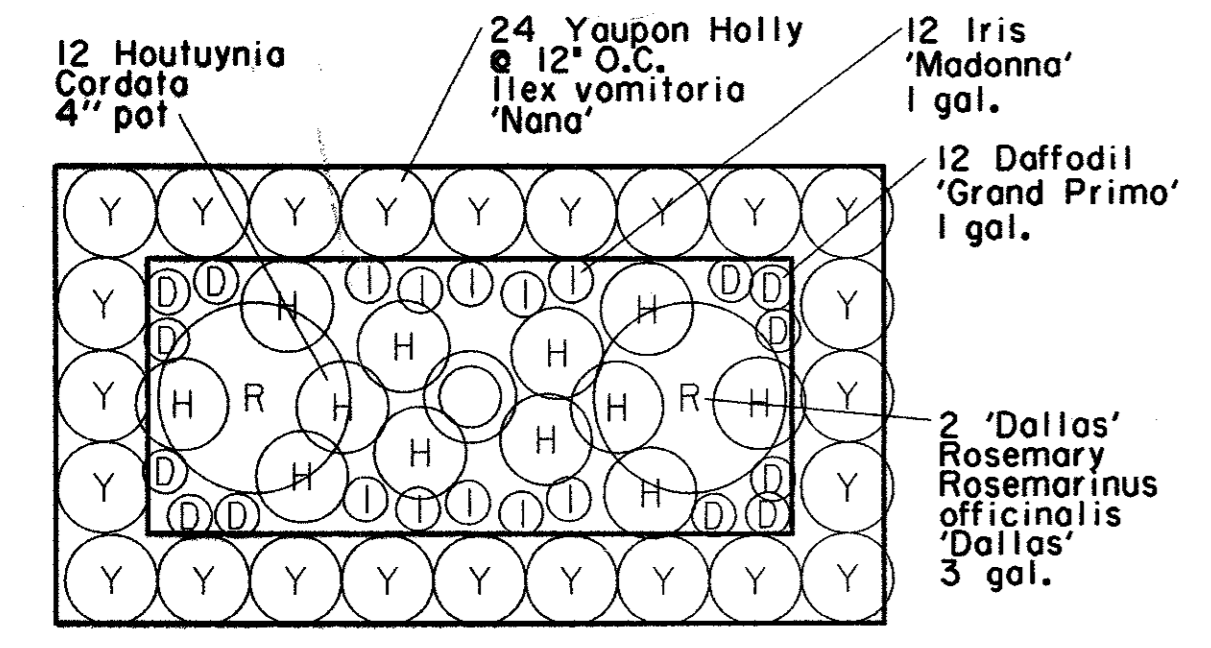




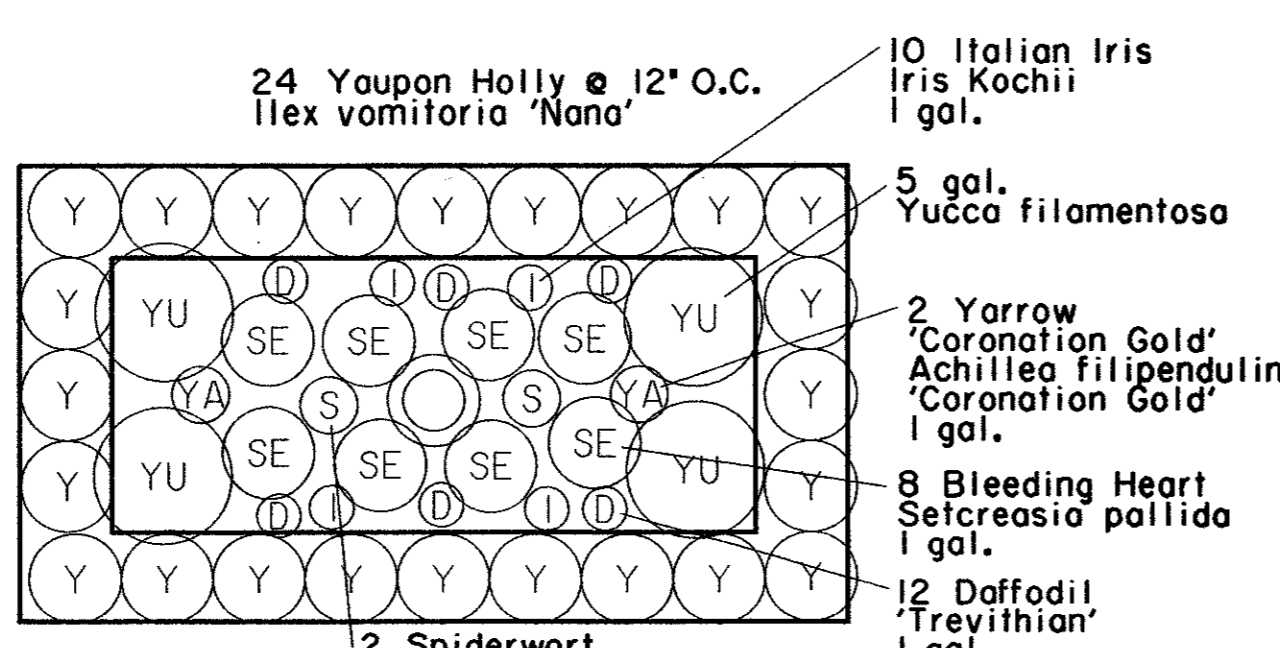
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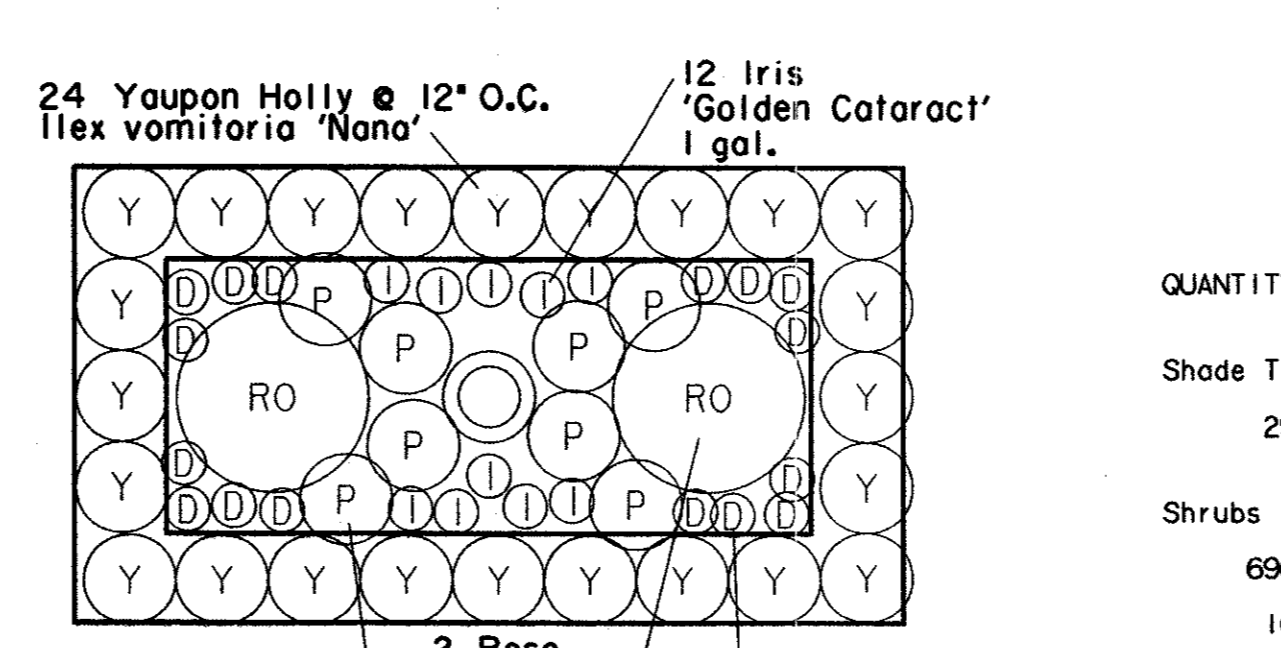
**NOTE:**  
 CENTER TO CENTER TREE DIMENSIONS  
 ARE MEASURED ALONG THE CENTERLINE  
 OF THE STREET.



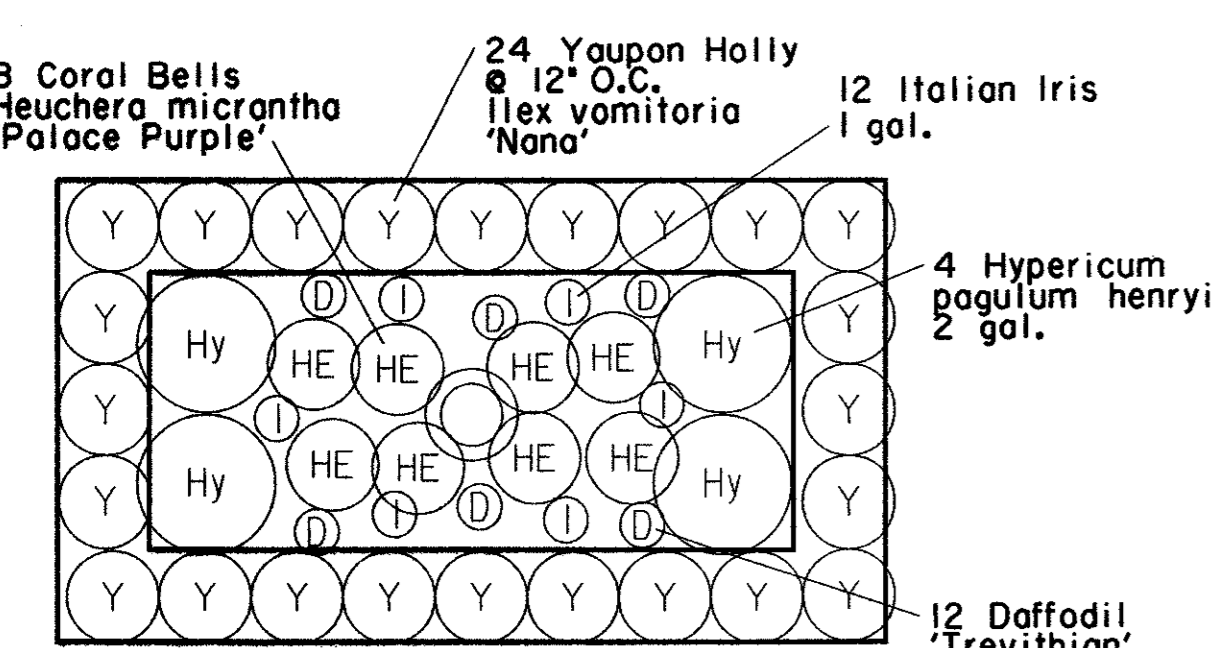
**P1** 5'X9' TREE WELL PLANTING



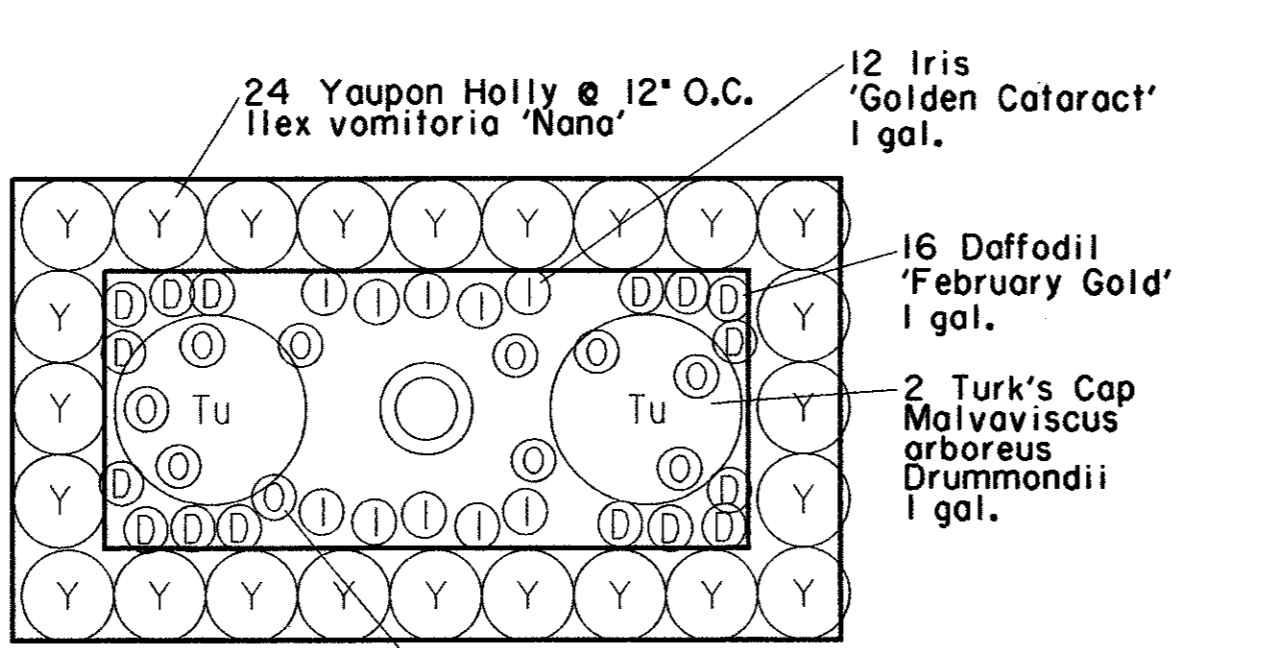
**P3** 5'X9' TREE WELL PLANTING



**P5** 5'X9' TREE WELL PLANTING



**P2** 5'X9' TREE WELL PLANTING

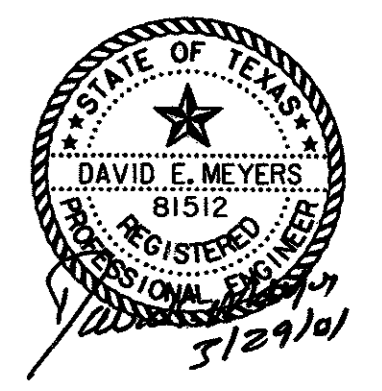


**P4** 5'X9' TREE WELL PLANTING

QUANTITY	COMMON NAME	PLANT LIST BOTANICAL NAME	SIZE/REMARKS
<b>Shade Trees</b>			
29	Live Oak	Quercus virginiana	200 GAL., 5"-6" C
<b>Shrubs</b>			
696	Dwarf Yaupon Holly	Ilex vomitoria 'nana'	1-GAL., 8"-10" H
16	Hypericum	Hypericum pagulum 'henryi'	2-GAL., 14"-18" HT
12	Rose 'Marie Pavie'	Rosa sp., Marie Pavie'	2-GAL., 12"-14" HT
18	Dallas' Rosemary	Rosmarinus officinalis 'Dallas'	3-gal., 18"-24" H
25	Yucca filamentosa	Yucca filamentosa	5-gal., FULL
10	Spiderwort	Tradescantia occidentalis	1-gal., 8"-10" H
<b>Perennials/Ground Cover</b>			
10	Yarrow 'Coronation Gold'	Achillea filipendulina 'Coronation Gold'	1-GAL-FULL
48	Blue Plumbago	Ceratostigma plumbaginoides	4" POT-FULL
108	Houttuynia	Houttuynia cordata 'variagata'	4" POT-FULL
108	Iris 'Madonna'	Iris albicans 'Madonna'	1-GAL-FULL
98	Italian Iris	Iris kochii	1-GAL-FULL
132	Iris 'Golden Cataract'	Iris kochii 'Golden Cataract'	1-GAL-FULL
10	Turk's Cap	Malva viscosus arbores Drummondii	1-GAL-FULL
176	Daffodil 'February Gold'	Narcissus x 'February Gold'	1-GAL-FULL
108	Daffodil 'Grand Primo'	Narcissus x 'Grand Primo'	1-GAL-FULL
108	Daffodil Trevithian	Narcissus x 'Trevithian'	1-GAL-FULL
40	Bleeding Heart	Setcreasea pallida	1-GAL-FULL
32	Coral 'Palace Purple'	Heuchera micrantha	1-GAL.-FULL
50	Pink Woods Sorrel	Oxalis crossipes	1-GAL.-FULL

**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 E 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

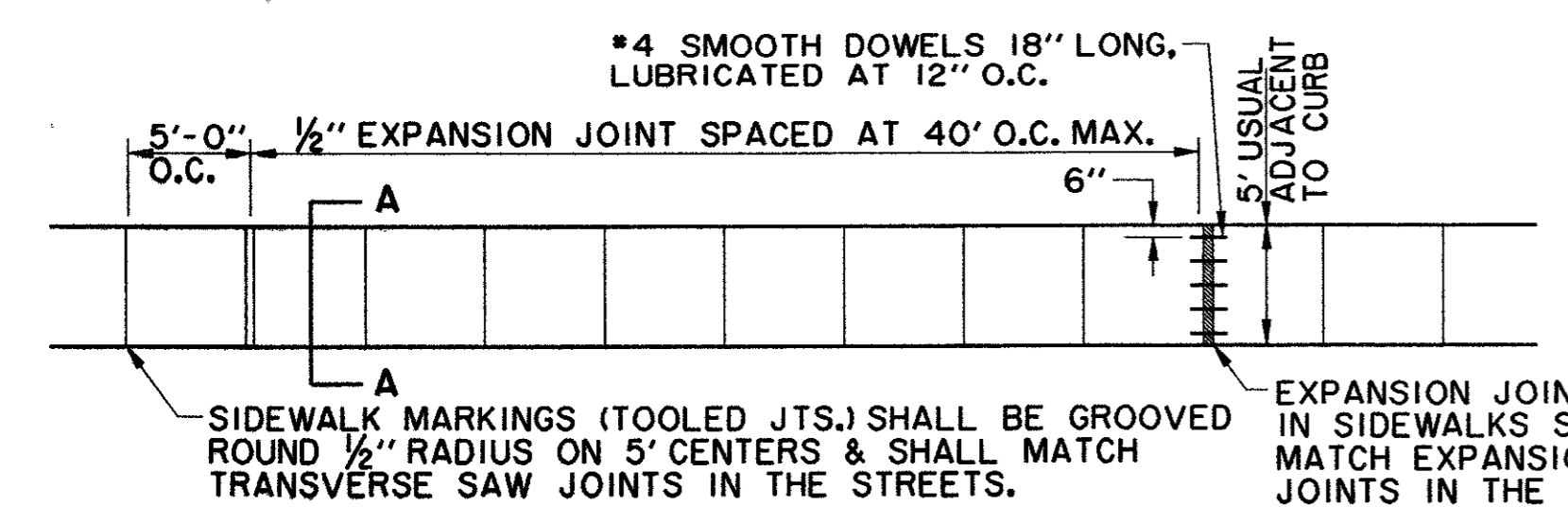
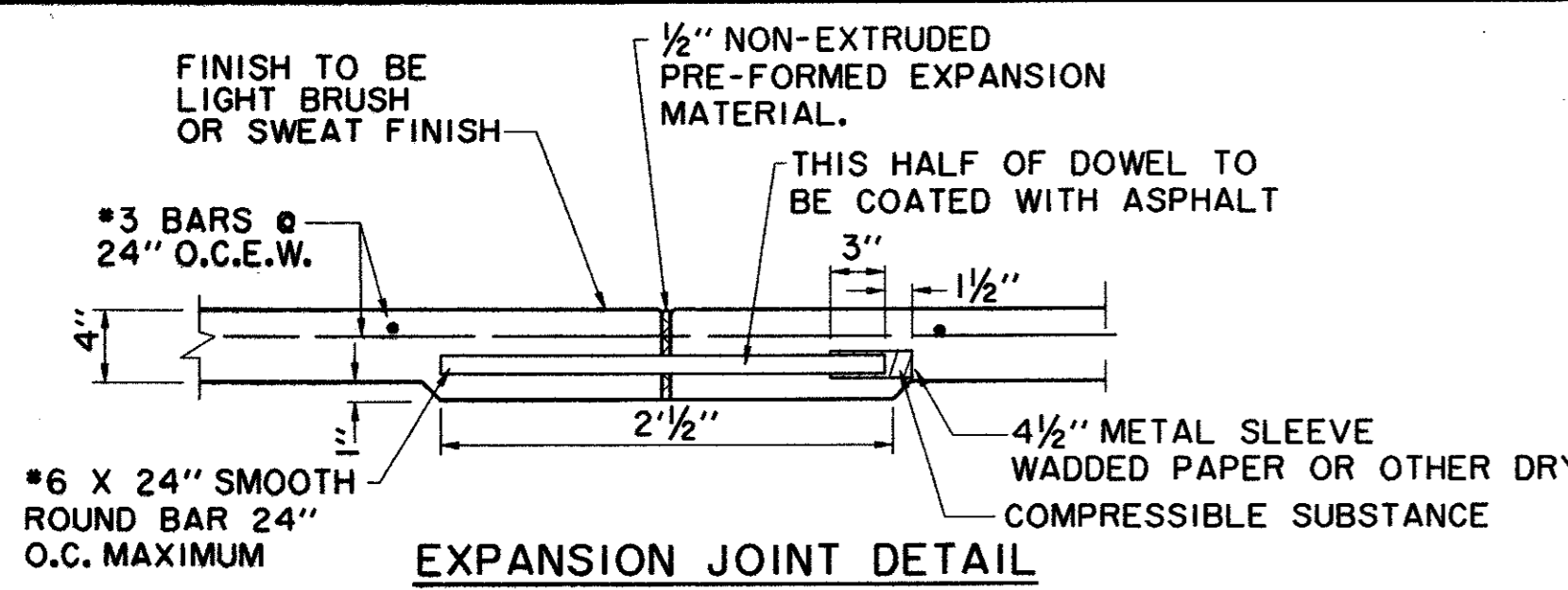
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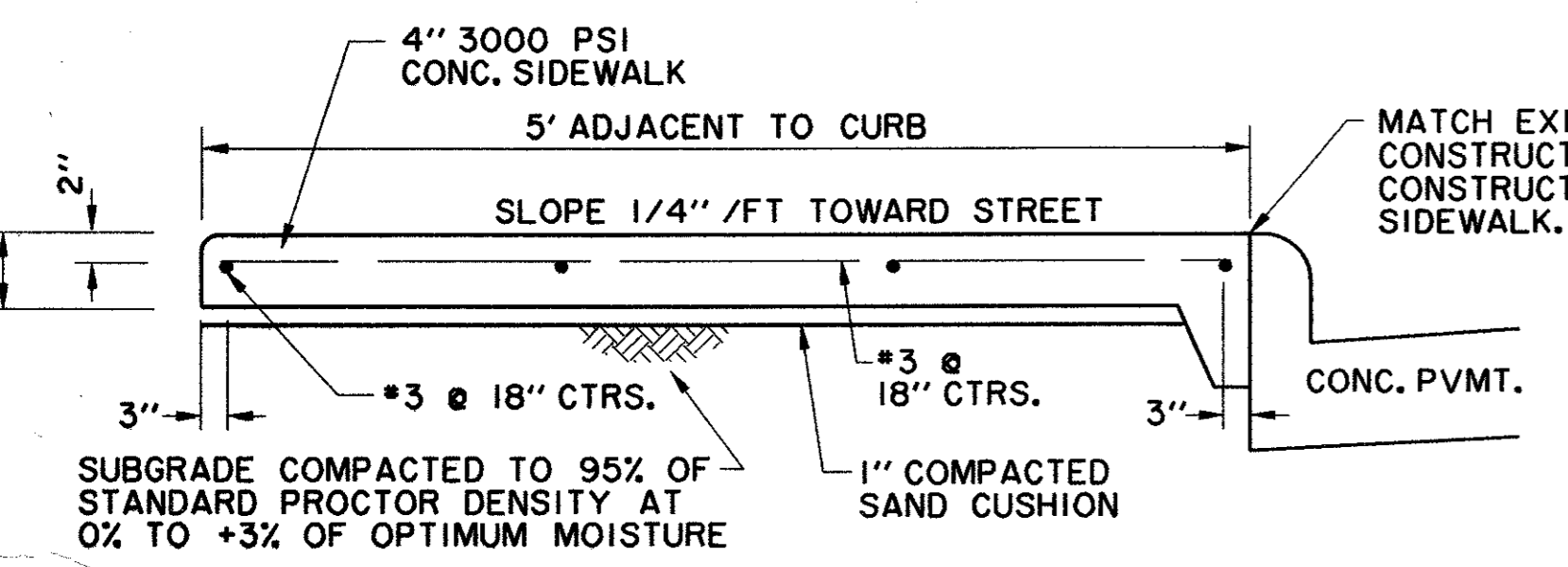
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4/20/01	ISSUED FOR BID	N/A

**PLANTING PLAN / DETAILS**  
**MORRIS AVENUE EXTENSION**  
**PUBLIC INFRASTRUCTURE**  
**TOWN OF ADDISON, TEXAS**

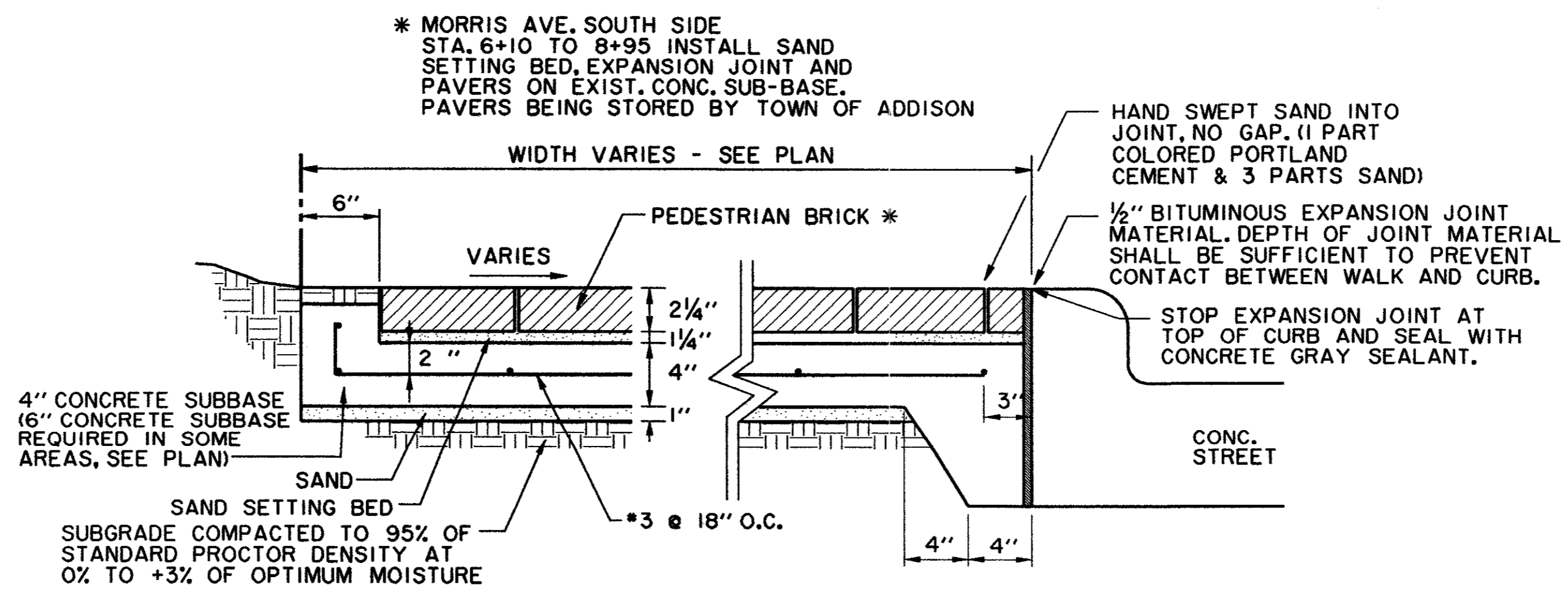
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HZI	HZI	DEM	1"=20'	APR. 2001	01-3000-01	7



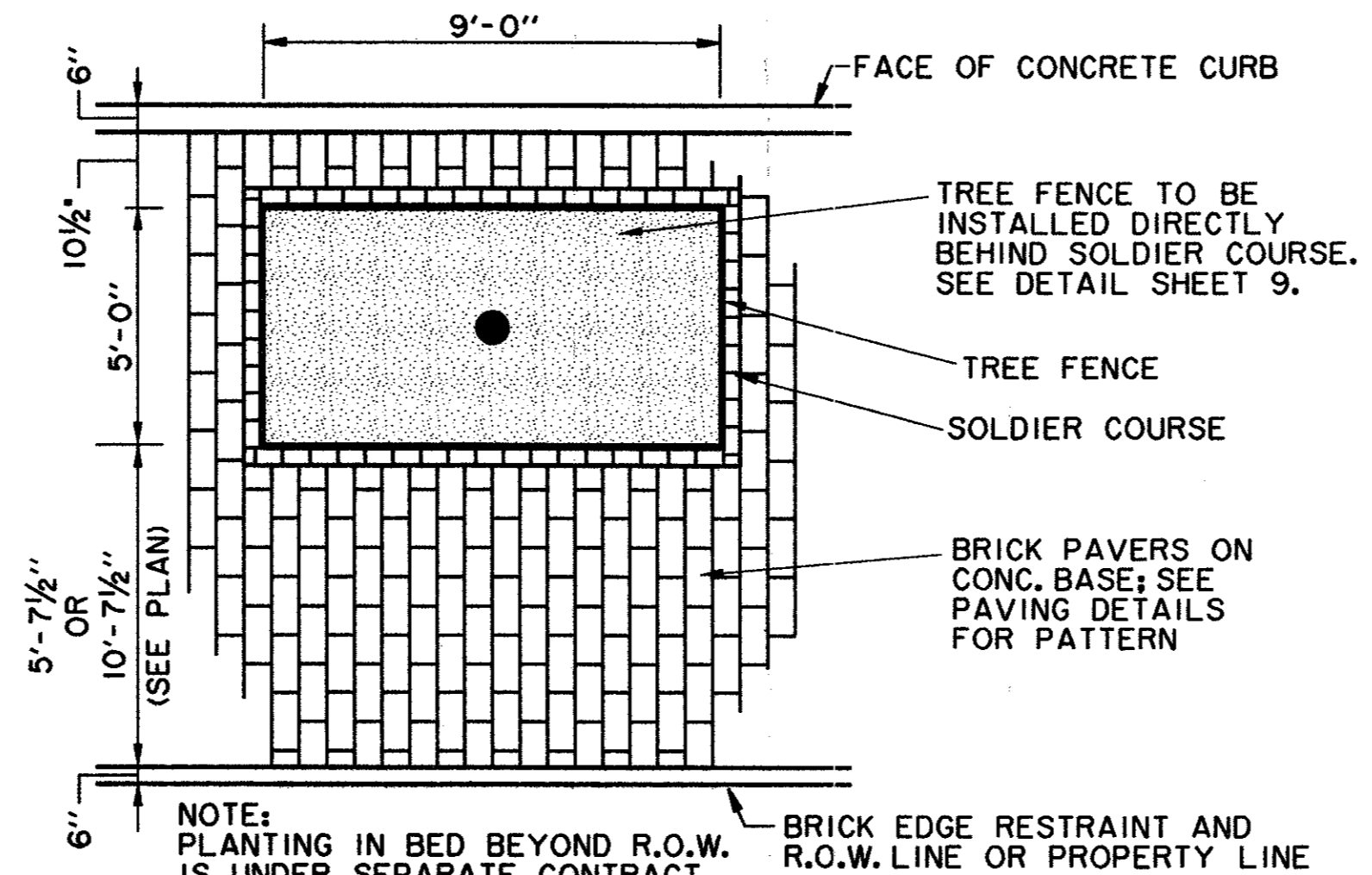
**REINFORCED CONCRETE SIDEWALK EAST SIDE OF QUORUM DRIVE**  
N.T.S.



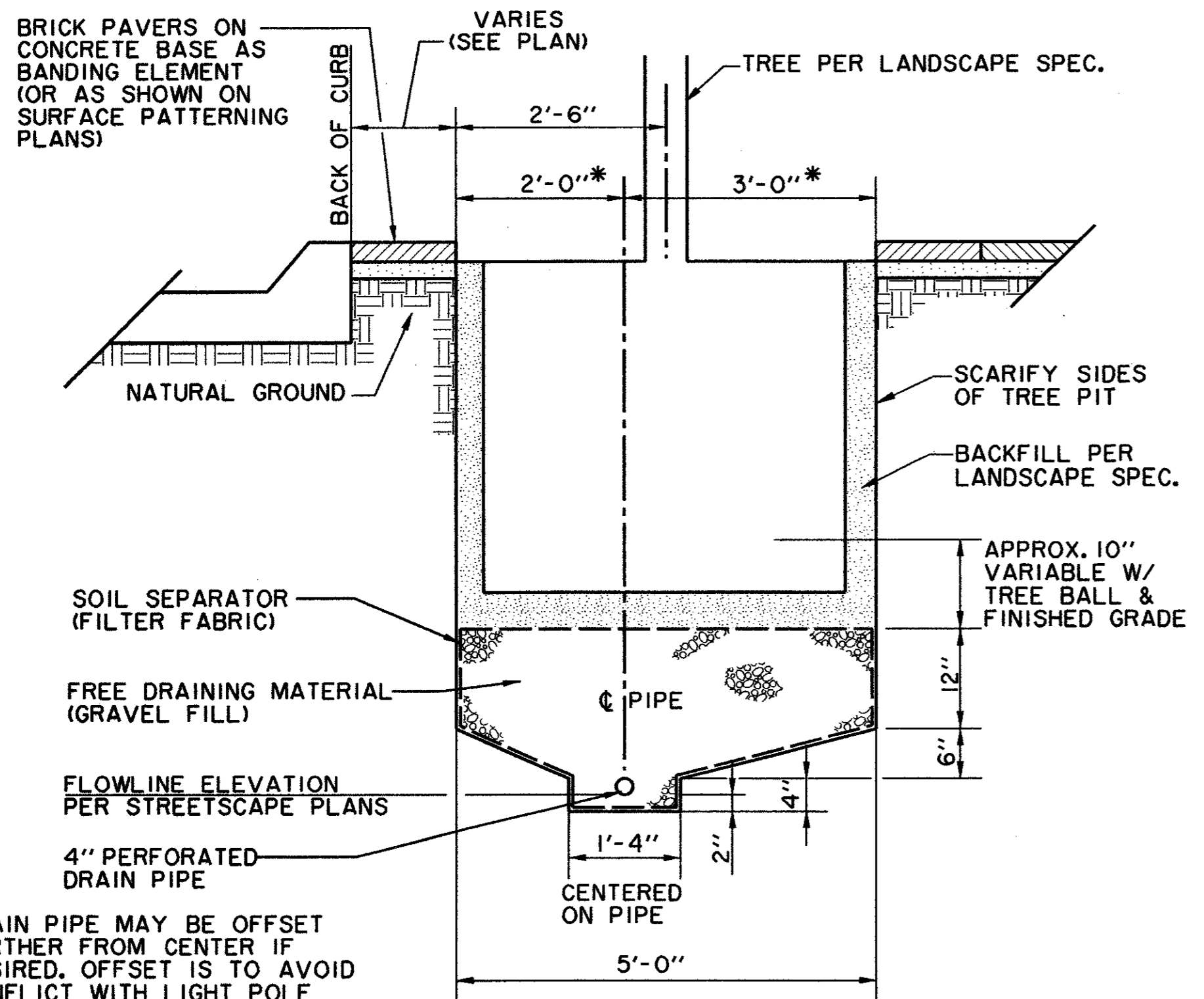
**TYPICAL SECTION A-A**  
N.T.S.



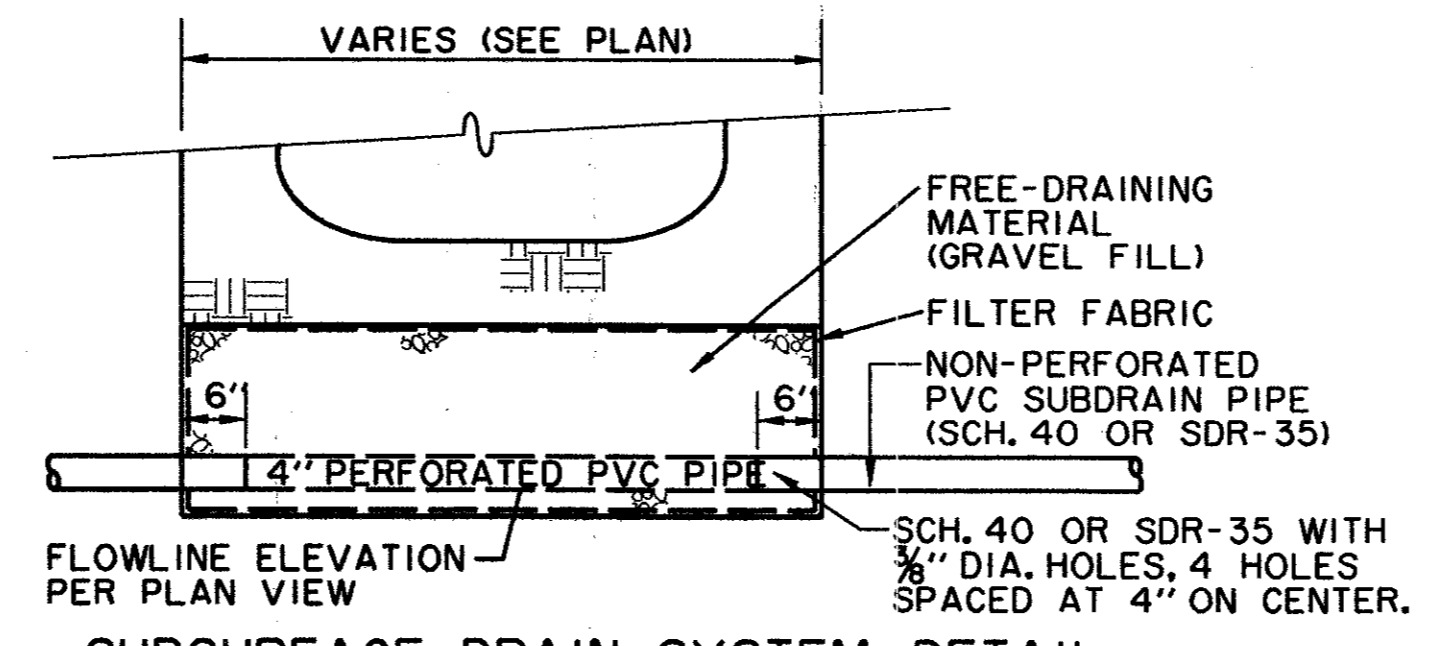
**BRICK SIDEWALK INSTALLATION IN PEDESTRIAN AREA AT PLANTING BED**  
N.T.S.



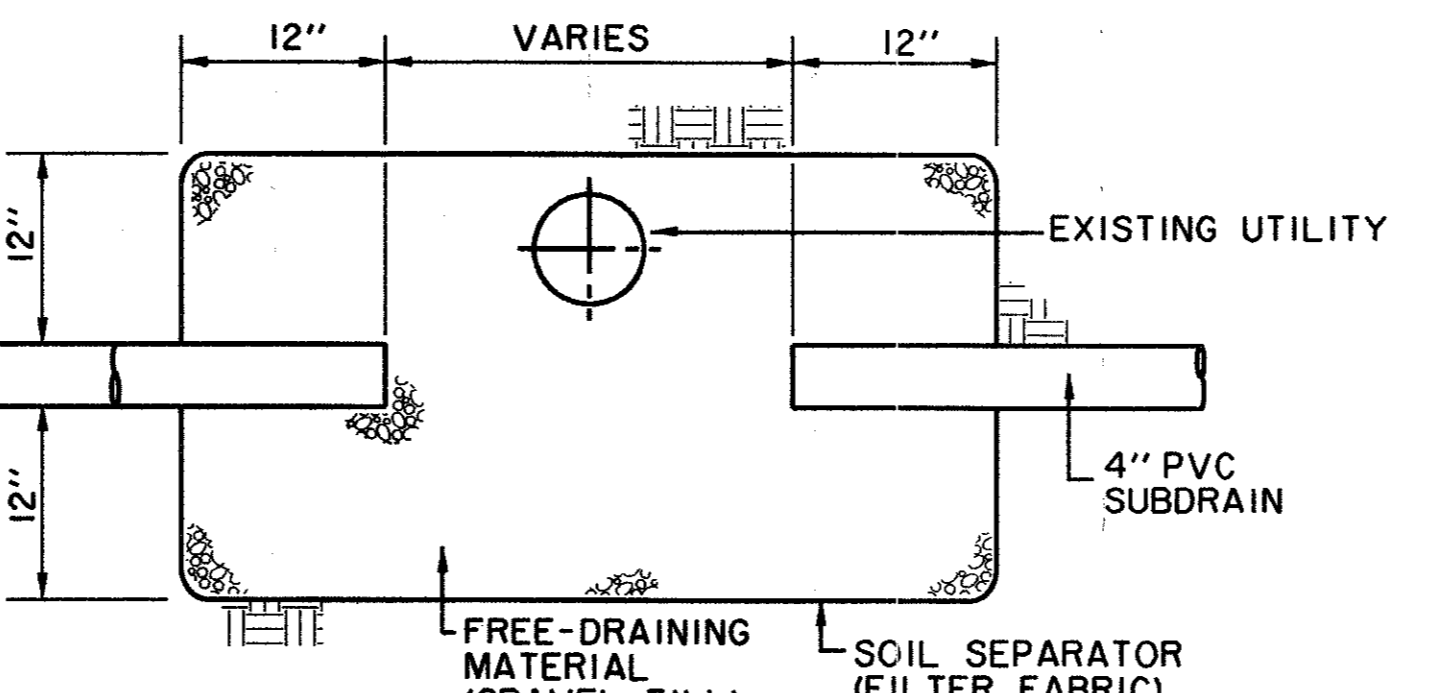
**TREE PIT PLAN (MORRIS AVENUE)**  
N.T.S.



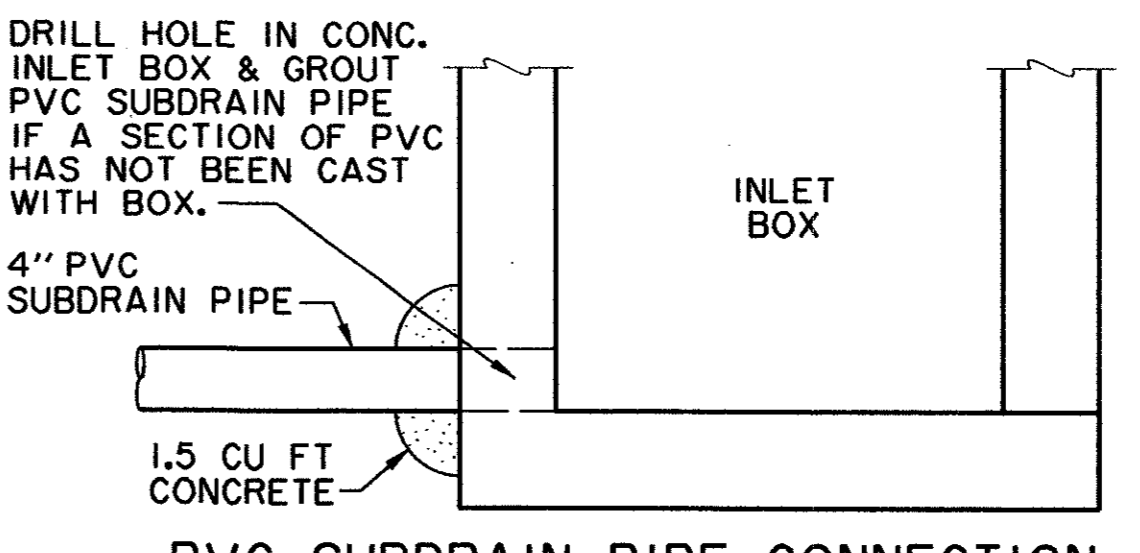
**SUBSURFACE DRAIN SYSTEM DETAIL (SECTION PERPENDICULAR TO CURB)**  
N.T.S.  
(TO BE USED ON ALL TREES UNLESS OTHERWISE NOTED)



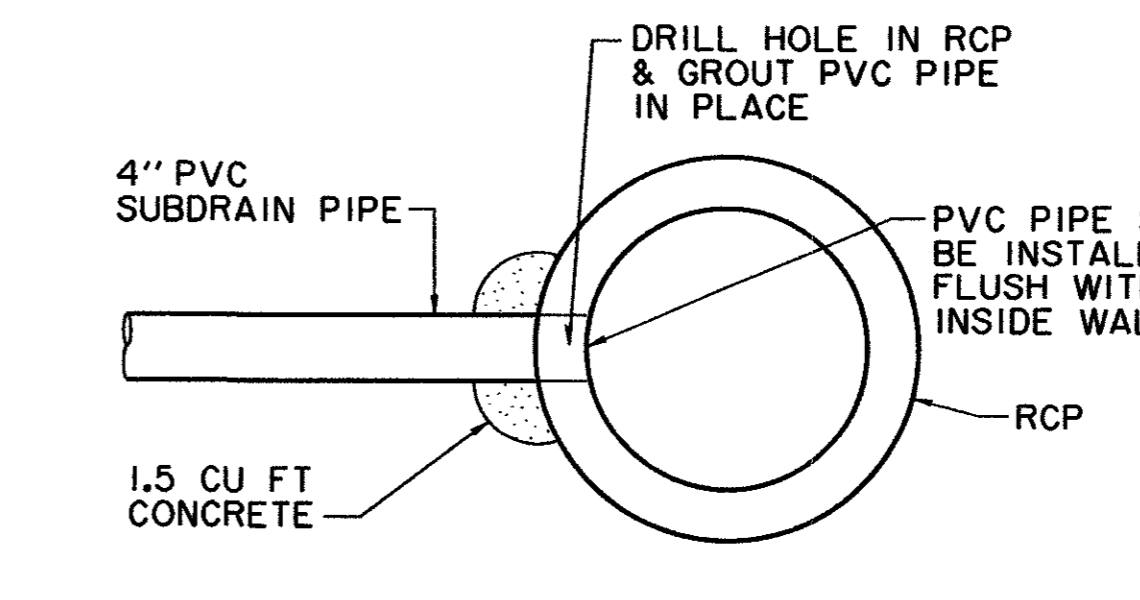
**SUBSURFACE DRAIN SYSTEM DETAIL (SECTION PARALLEL TO CURB)**  
N.T.S.



**INSTALLATION OF SUBDRAIN AT UTILITY CONFLICT**  
N.T.S.

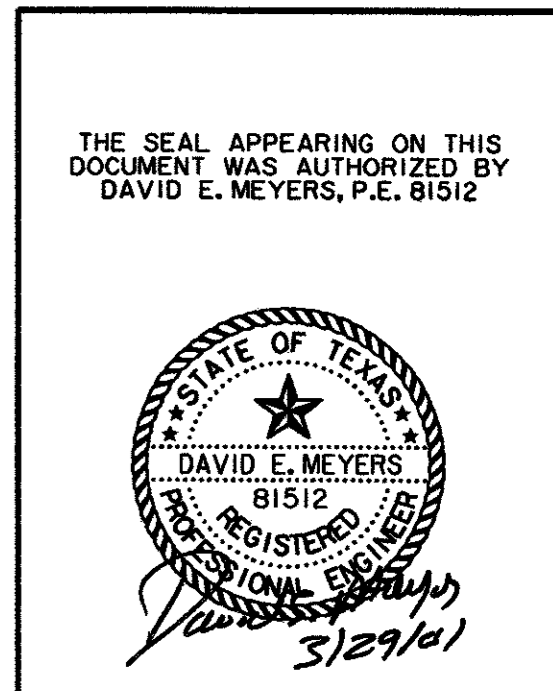


**PVC SUBDRAIN PIPE CONNECTION TO INLET BOX**  
N.T.S.



**PVC SUBDRAIN PIPE CONNECTION TO STORM DRAINAGE PIPE**  
N.T.S.

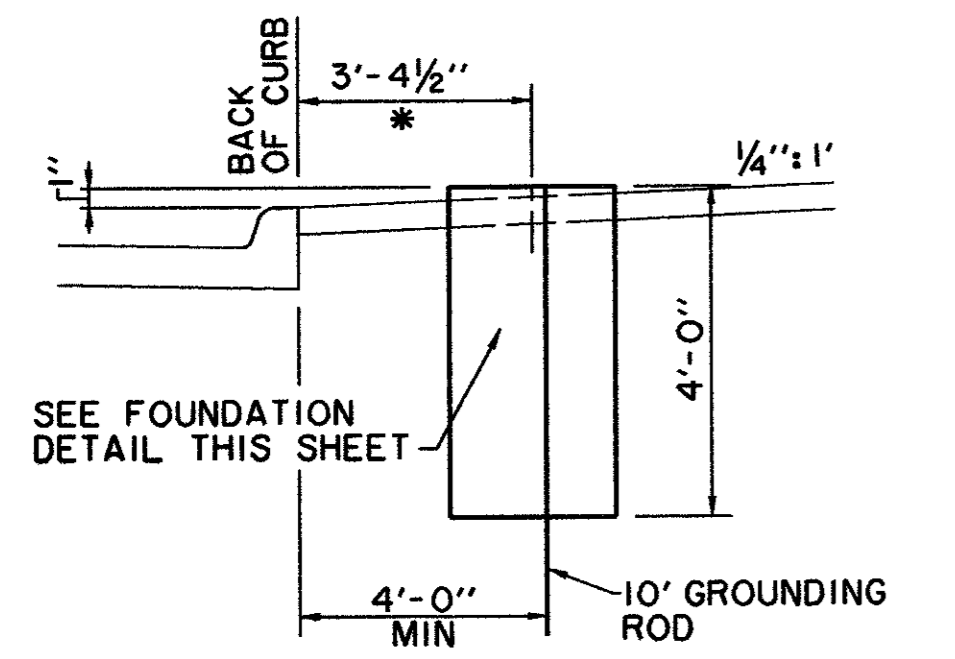
- GENERAL NOTES CONCRETE SUBBASE FOR SIDEWALKS**
1. REINFORCED CONCRETE SIDEWALK SHALL BE A MINIMUM OF FOUR (4) INCHES THICK AND SHALL BE 3000 PSI AT 28 DAYS (5 SACK MIX) UNLESS NOTED OTHERWISE.
  2. A 1/4" CHAMFER OR 1/4" RADIUS WILL BE REQUIRED ON ALL EXPOSED EDGES OF CONCRETE SIDEWALK.
  3. ALL BAR DIMENSIONS ARE GIVEN AS CENTER TO CENTER OF BARS AND ARE LOCATED AS SHOWN.
  4. ALL REINFORCING STEEL SHALL BE NO. 3 ON 18" CENTERS LONGITUDINALLY, 18" CENTERS TRANSVERSELY AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615, GRADE 60.
  5. 1" THICK MIN. FINE WASHED SAND CUSHION SHALL BE FREE FROM ORGANIC MATERIALS OR CLAYS AND SHALL BE USED FOR GRADE ADJUSTMENT.
  6. SUBGRADE SHALL BE COMPACTED TO A DENSITY NOT LESS THAN 95% OF STANDARD PROCTOR DENSITY AT 0 TO +3% OF OPTIMUM MOISTURE.
  7. TOOLED JOINTS (CONTRACTION JOINTS) SHALL BE ON FIVE (5) FOOT CENTERS AND SHALL BE ROUND ONE-FOURTH (1/4) INCH RADIUS.
  8. A ONE-HALF (1/2) INCH EXPANSION JOINT SHALL BE PLACED EVERY FORTY (40) FEET, AND WHERE WORKS ABOUT OLD WORK, OR WHERE NEW WORK IS CONSTRUCTED ADJACENT TO OTHER CONCRETE, A ONE-HALF (1/2) INCH EXPANSION JOINT SHALL BE USED WHERE SIDEWALK IS ADJACENT TO CURB. THE EXPANSION JOINT SHALL BE MADE OF PRE-MOLDED BITUMINOUS EXPANSION JOINT FILLER. THE EXPANSION JOINT WILL END AT THE TOP OF THE CONCRETE BASE.
  9. EXPOSED SIDEWALKS SHALL BE FINISHED BY LIGHTLY BROOMING SURFACE TRANSVERSELY TO DIRECTION OF MAIN TRAFFIC.
  10. THE ONE-FOURTH (1/4) INCH PER FOOT CROSS SLOPE IN SIDEWALK AREAS IS THE STANDARD CONDITION.



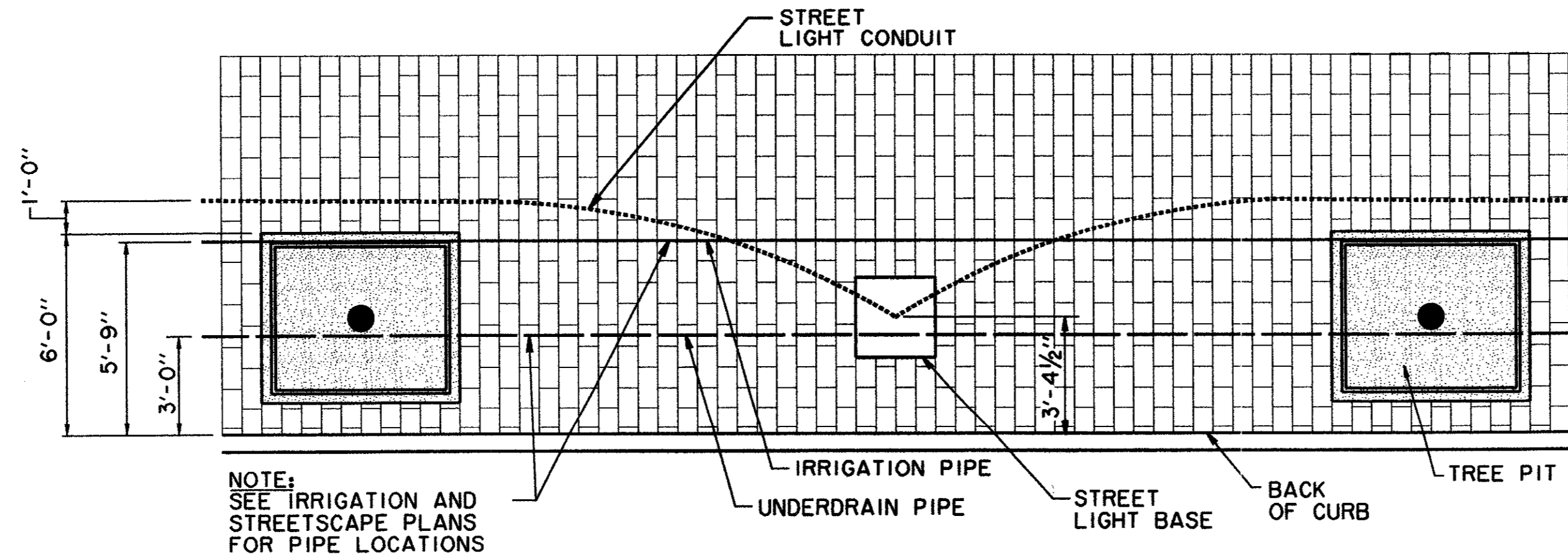
DATE	DESCRIPTION	REF. NO.				
4/20/01	ISSUED FOR BID	N/A				
<b>STREETScape DETAILS</b>						
<b>MORRIS AVENUE EXTENSION</b>						
<b>PUBLIC INFRASTRUCTURE</b>						
<b>TOWN OF ADDISON, TEXAS</b>						
<small>Hull - 2010, Inc. 3131 McKinney Ave., Suite 600, Dallas, TX 75204 Phone (214) 871-3311/Fax (214) 871-0757</small>						
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	N.T.S.	APR. 2001	01-3000-01	8

HULL - 2010, INC. PROJECT NO. 01-3000-01  
 DATE: 04/20/01  
 DRAWN BY: HZI  
 CHECKED BY: DEM  
 PROJECT: MORRIS AVENUE EXTENSION  
 SHEET: 8 OF 10

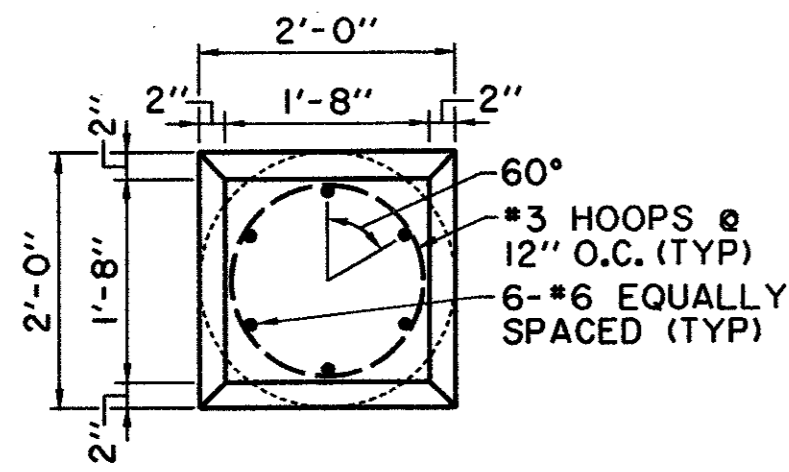




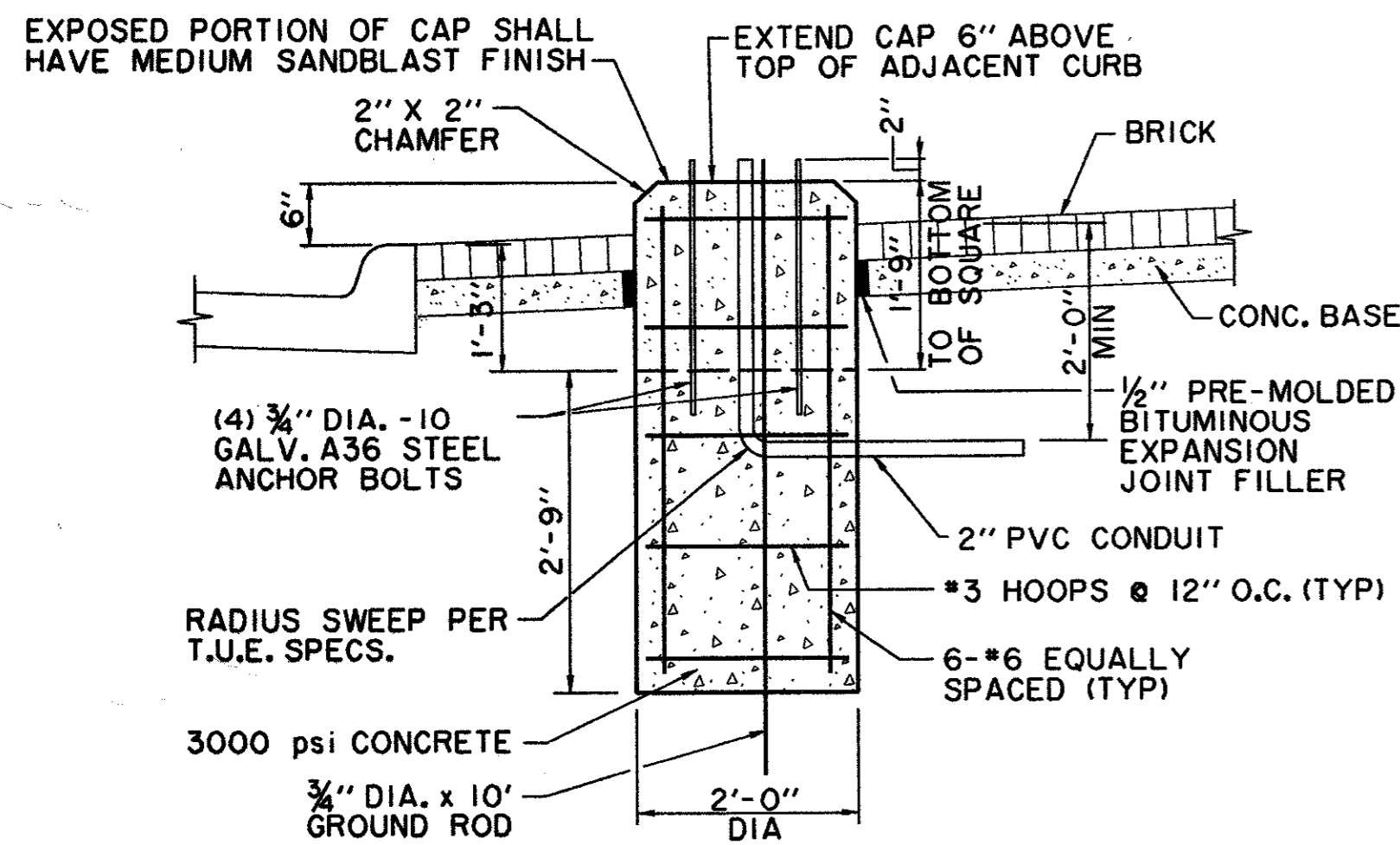
**LIGHT FIXTURE PLACEMENT DETAIL**  
N.T.S.



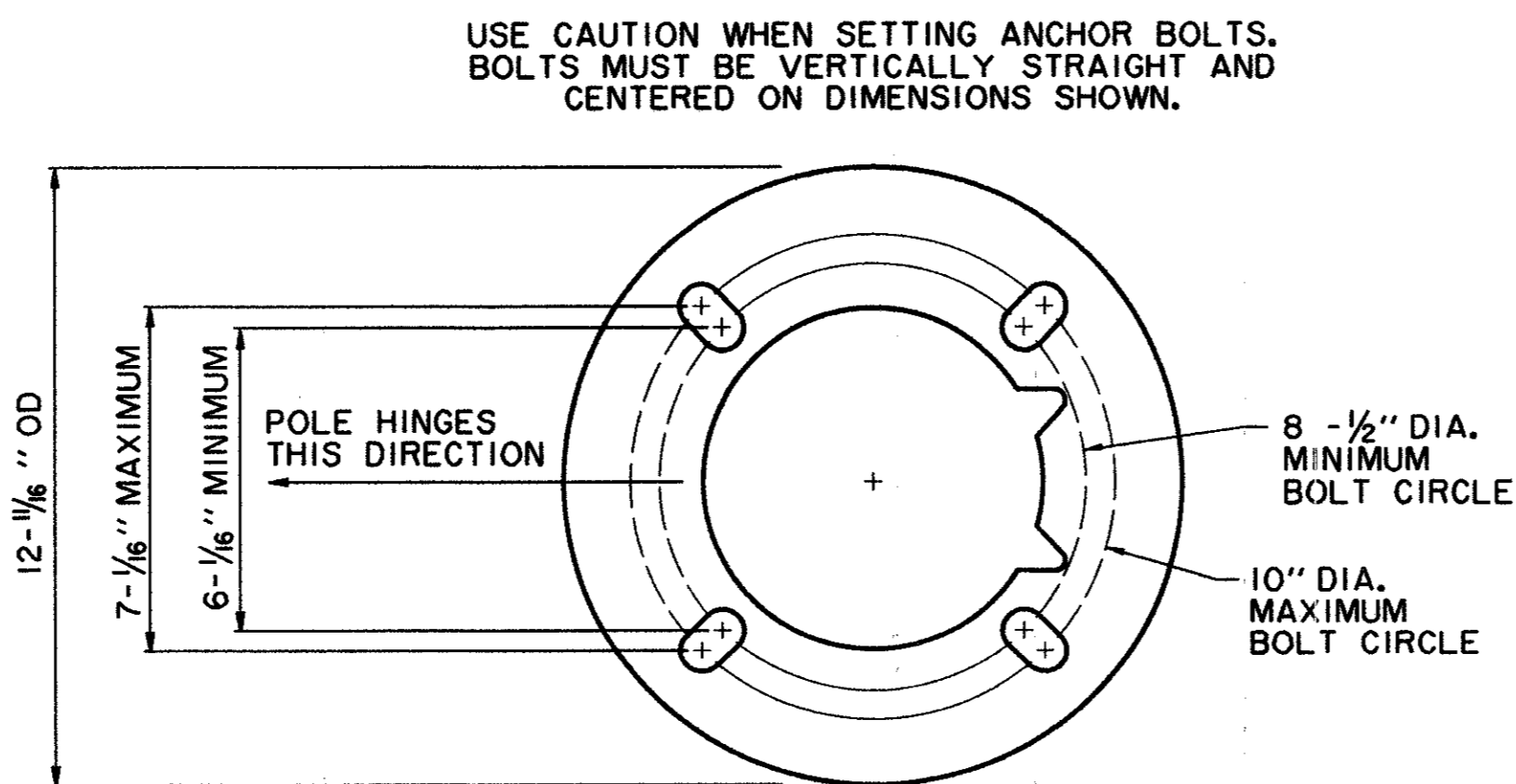
**STREET LIGHT CONDUIT DETAIL**  
CONDUIT SHALL BE DEFLECTED AROUND TREE PIT LOCATIONS - TYPICAL  
N.T.S.



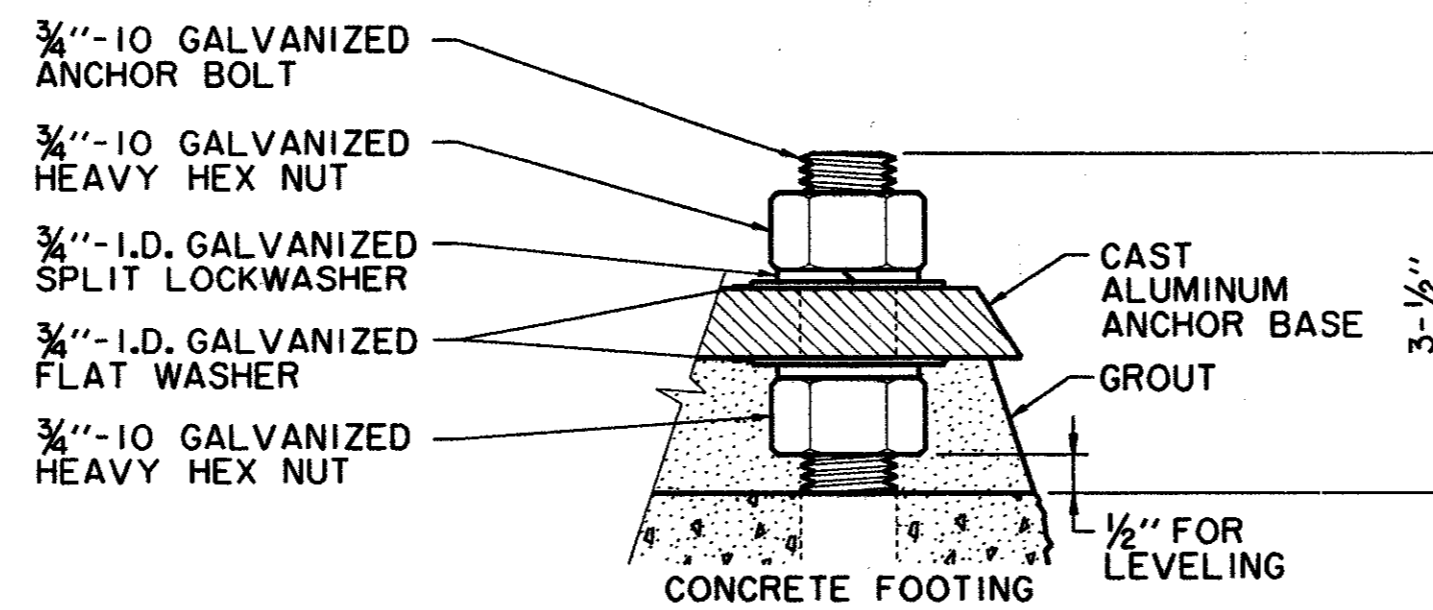
**LIGHT FIXTURE FOUNDATION & CAP PLAN**  
N.T.S.



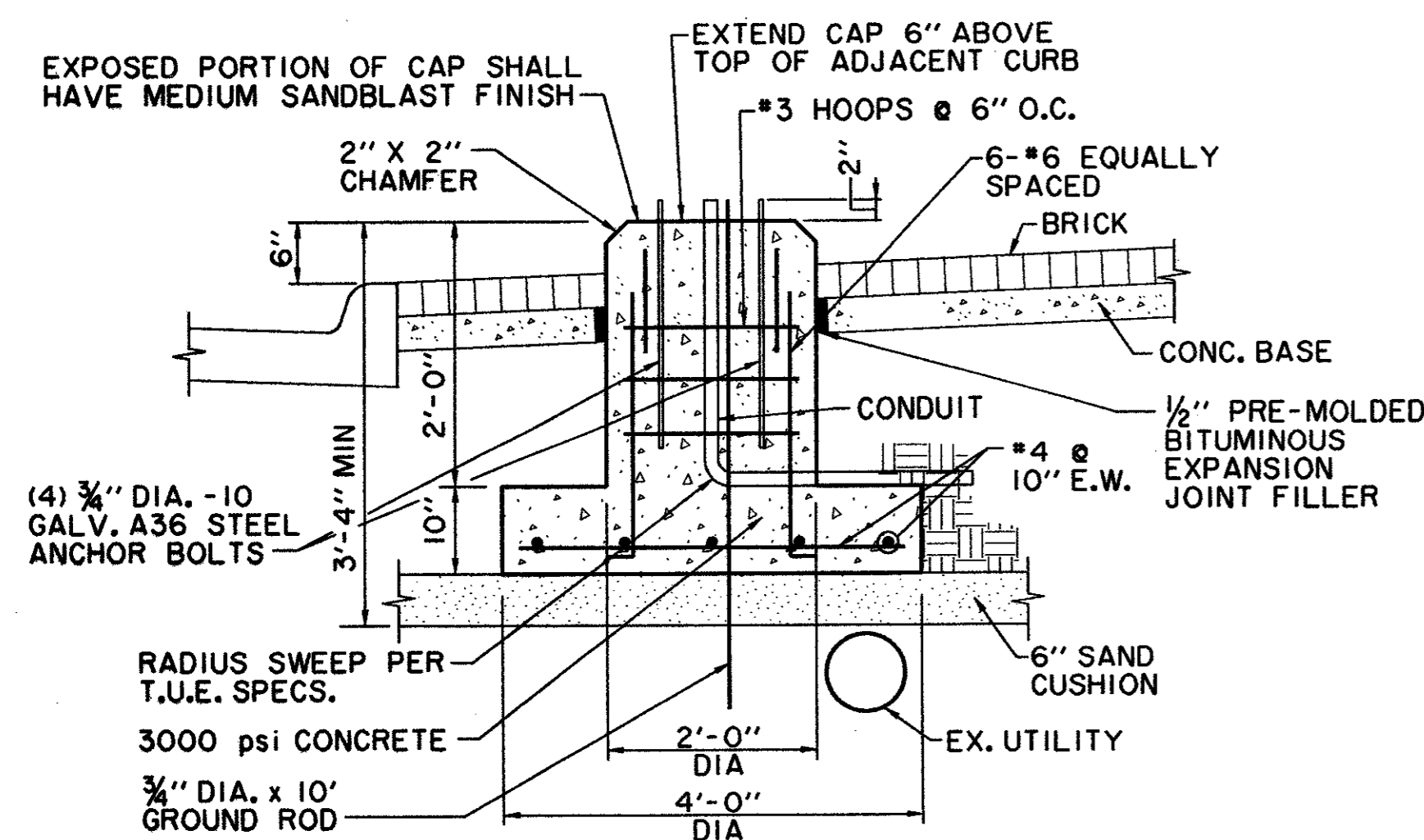
**LIGHT FIXTURE FOUNDATION & CAP SECTION**  
N.T.S.



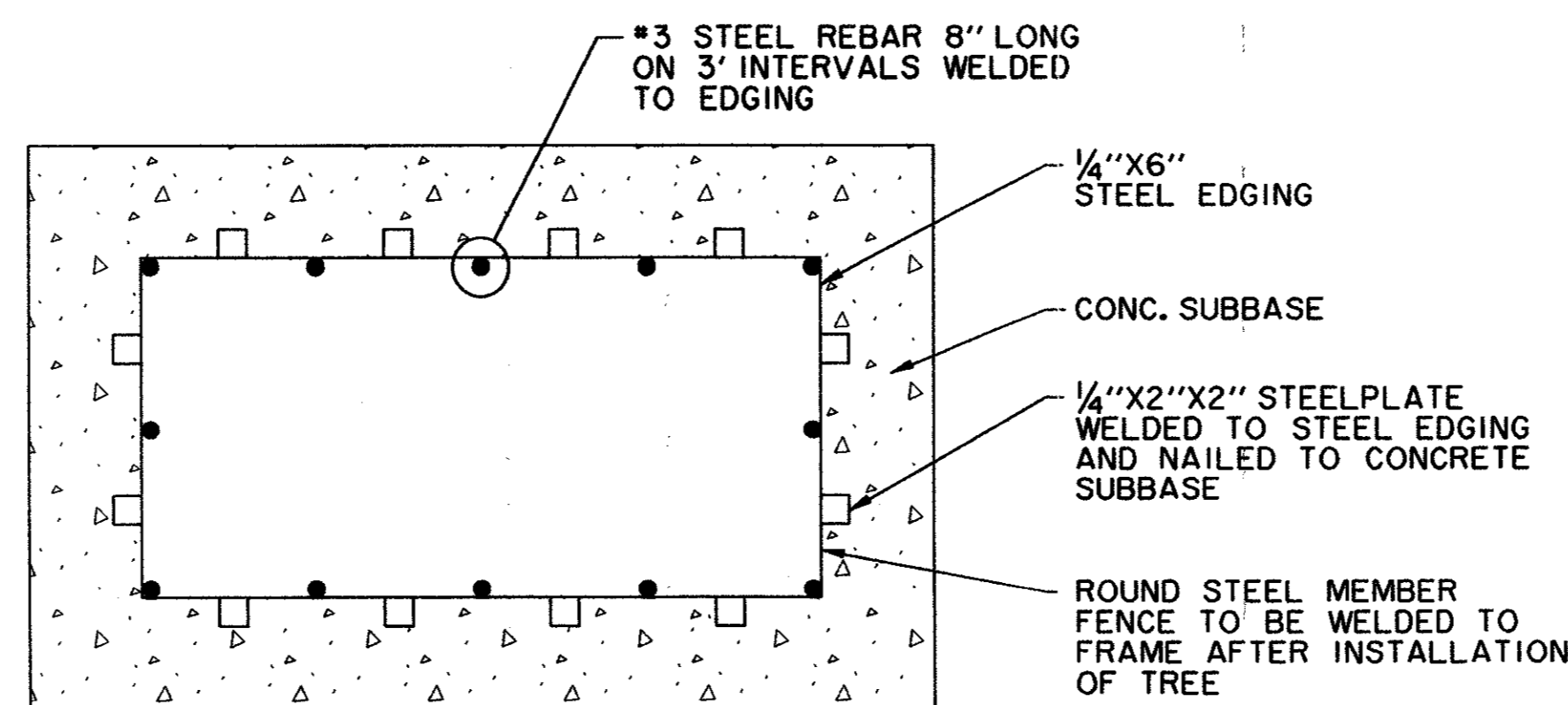
**ROUND BOTTOM HINGE BASE ANCHOR BOLT TEMPLATE**  
N.T.S.



**BOLT PROJECTION DETAIL**  
N.T.S.



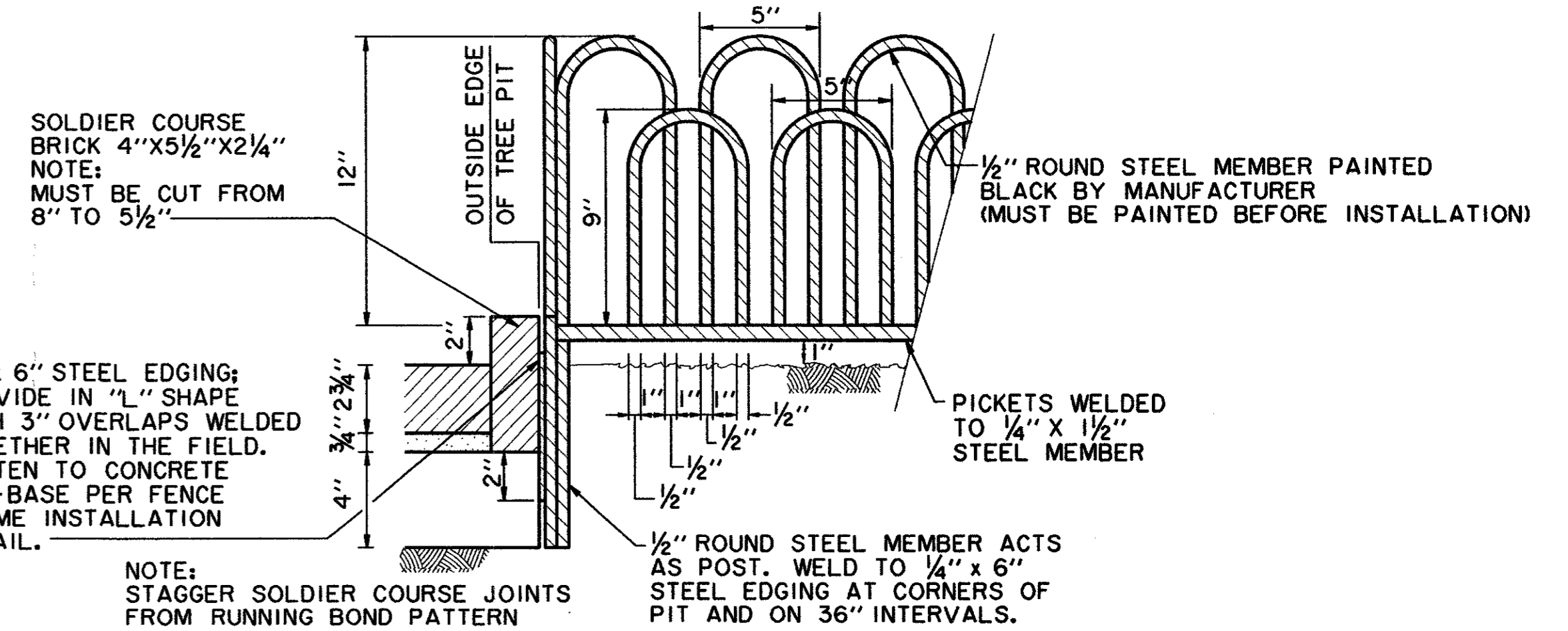
**ALTERNATE LIGHT FIXTURE FOOTING AT UTILITY CONFLICT**  
N.T.S.



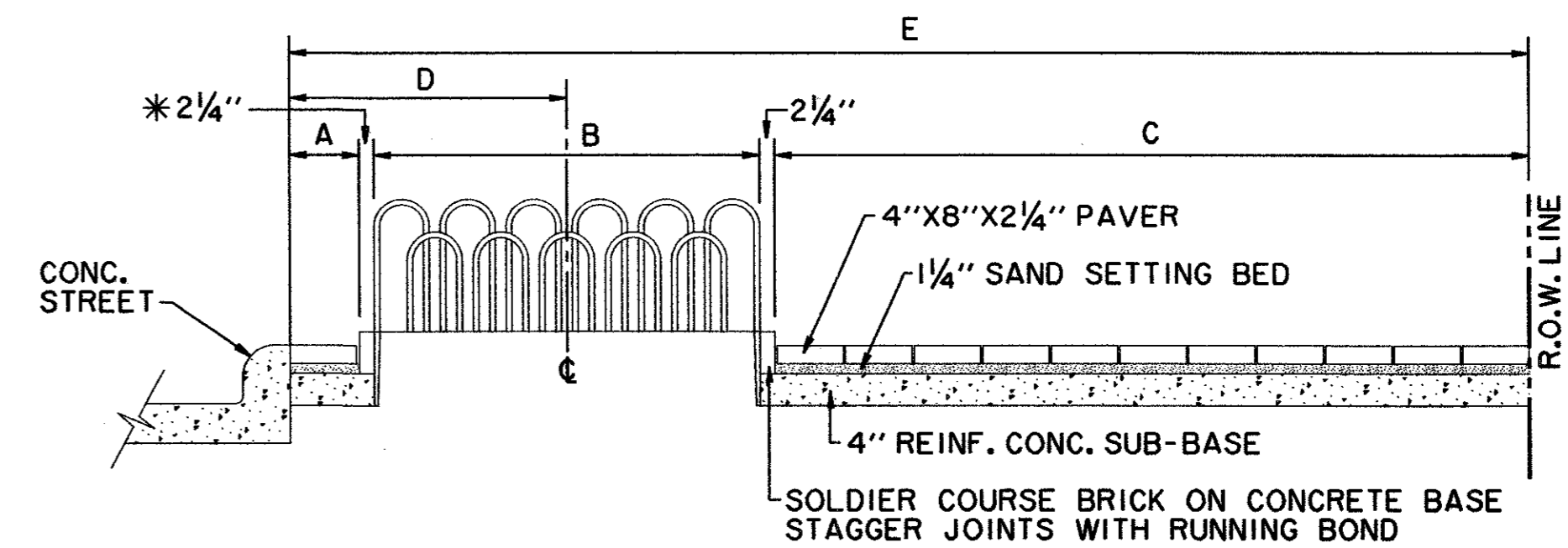
**TREE FENCE FRAME INSTALLATION DETAIL**  
N.T.S.

**STREET LIGHTING NOTES**

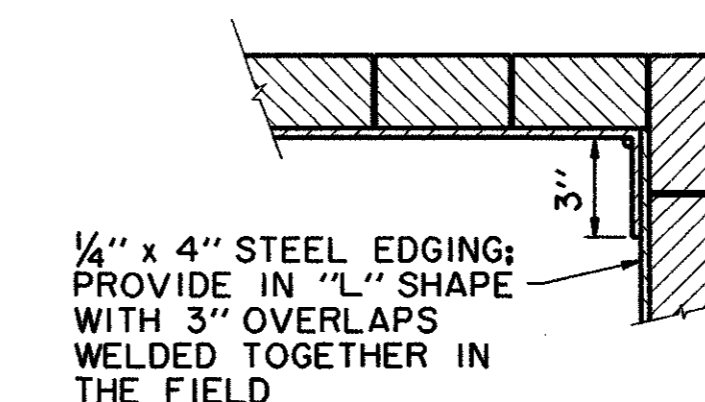
1. THE STREET LIGHTING FOR THIS PROJECT WILL CONSIST OF INSTALLATION OF 2" PVC CONDUIT, LIGHT POLE BASES, PULL BOXES (HANDHOLES) LIGHT POLES, LUMINAIRES, WIRING AND CONNECTION TO TO POWER SOURCE AS A COMPLETE SYSTEM PER DETAILED SPECIFICATIONS.
2. ALL STREET LIGHTING CONDUIT IS TO BE INSTALLED WITH A MINIMUM OF 24 INCHES OF COVER TO THE TOP OF THE PIPE FROM FINISHED PAVEMENT TO AVOID CONFLICT WITH IRRIGATION LINES WHICH WILL BE AT 12" AND 18" DEPTH. CONDUIT SHOULD BE NO DEEPER THAN 36" TO AVOID CONFLICT WITH OTHER UTILITIES.
3. FOR THE PURPOSES OF COORDINATION, PEDESTRIAN LIGHTS TO BE INSTALLED PER THE STREETScape PLANS FOR THIS PROJECT WILL BE THE FOLLOWING:  
  
SEE SHEET 15 FOR POLE TYPES.  
  
THIS POLE WILL BE INSTALLED WITH A 175 WATT METAL HALIDE BEGA 9801 ED-17MH/120V FIXTURE AND LUMINAIRE.  
  
POLES WILL BE PRIMED AND PAINTED AT THE FACTORY.
4. LOCATIONS OF ANY STREET LIGHTS MAY NOT BE ALTERED WITHOUT PERMISSION FROM THE ENGINEER.



**TREE FENCE (MORRIS AVENUE)**  
N.T.S.



LOCATION	A	B	C	D	E
MORRIS AVENUE	8 1/4"	5'-0"	5'-11 1/4"	3'-4 1/2"	12'-0"



**STEEL EDGING OVERLAP DETAIL**  
N.T.S.

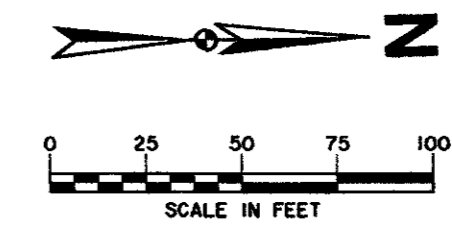
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID E. MEYERS, P.E. 81512



DATE	DESCRIPTION	REF NO.				
4/20/01	ISSUED FOR BID	N/A				
<b>STREETScape DETAILS</b>						
<b>MORRIS AVENUE EXTENSION</b>						
<b>PUBLIC INFRASTRUCTURE</b>						
<b>TOWN OF ADDISON, TEXAS</b>						
<small>HUIH - Zollars, Inc. 3131 McKinney Ave., Suite 600, Dallas, TX 75204 Phone (214) 671-3311/Fax (214) 871-0757</small>						
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	N.T.S.	APR. 2001	01-3000-01	9

INLET CALCULATIONS

INLET NO.	LOCATION	DESIGN STORM FREQ (YRS)	TIME OF CONC (MIN)	INTENSITY "1-100" (1 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 OF 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-7	COMP 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	NA	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	NA	MOD REC	0.00	NA	NA	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	3'x5"	"Y"	0.00	NA	
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	NA	MOD REC	0.00	NA	NA	SAG MINIMUM 10 FOOT INLET
E-10	FUTURE PARKING	100	10.00	8.74	0.90	0.34	4.25	0.00	4.25	NA	NA	NA	NA	NA	NA	PROP 18" LAT	NA	0.00	NA	



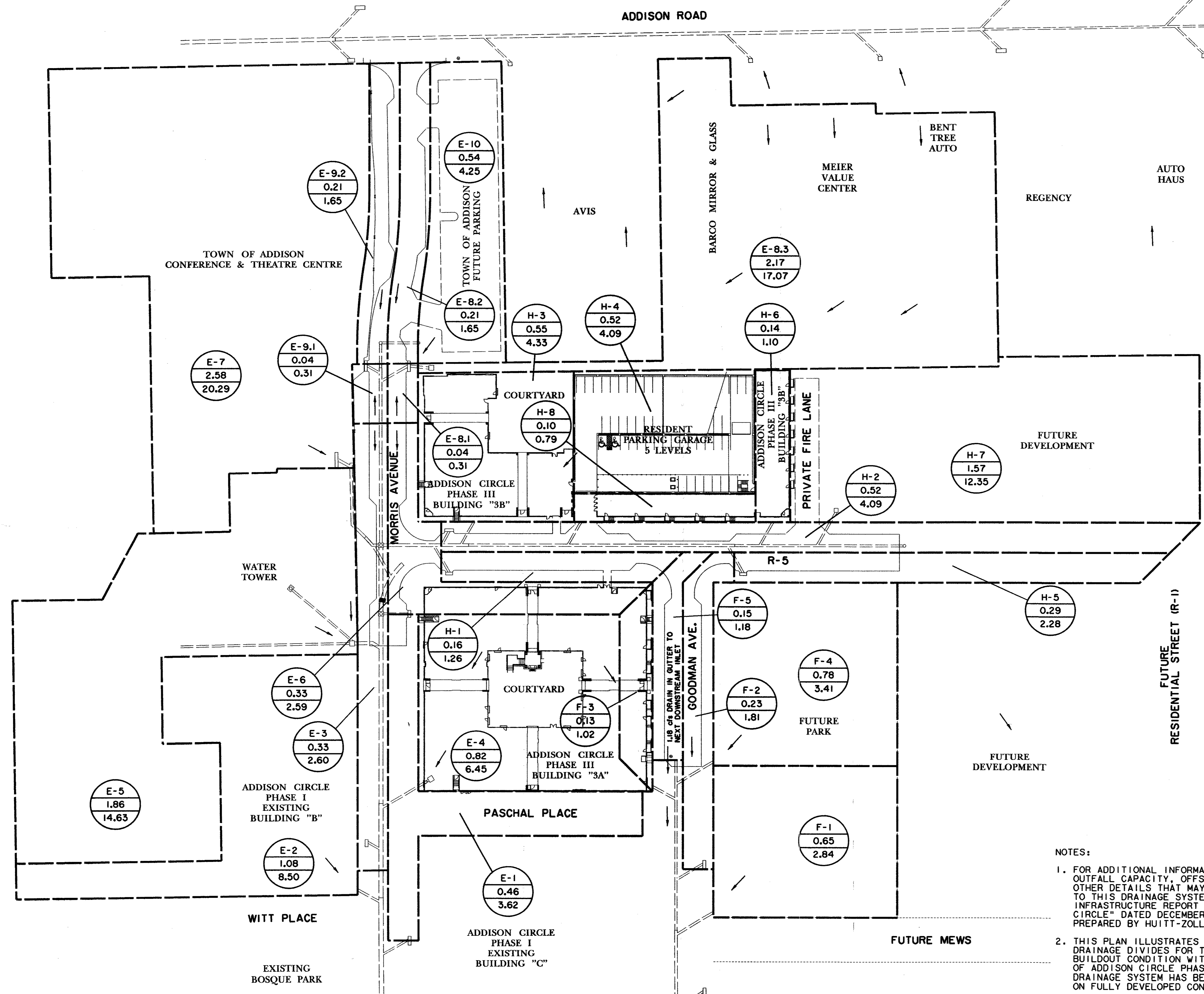
STORM WATER RUNOFF CALCULATIONS

AREA NO.	Tc (MIN.)	INTENSITY "1-100" (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

--- DRAINAGE AREA DIVIDE  
 --- DIRECTION OF SURFACE FLOW

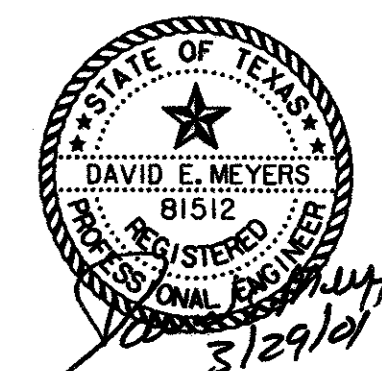
**RUNOFF CRITERIA**  
 C=0.50 FOR AREAS F1 & F4  
 C=0.90 FOR REMAINING AREAS  
 MINIMUM Tc=10.00 MINUTES  
 I100=8.74 in/hr

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



U.S. POST OFFICE

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



- NOTES:
- 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.
  - 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.

DATE	DESCRIPTION	REF NO.				
4/20/01	ISSUED FOR BID	N/A				
<b>DRAINAGE AREA MAP PROPOSED &amp; EXISTING DEVELOPMENT MORRIS AVENUE EXTENSION PUBLIC INFRASTRUCTURE TOWN OF ADDISON, TEXAS</b>						
HUITT - ZOLLARS, INC. 313 McKinney Ave., Suite 600, Dallas, TX 75204 Phone (214) 971-3311/Fax (214) 871-0757						
DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	1"=50'	APR. 2001	01-3000-01	10

P:\PROJECTS\2001\01-3000\01-3000-01\DWG\01-3000-01-10.DWG  
 DATE PLOTTED: 4/20/01 10:42:50 AM  
 PLOTTER: HP DesignJet 500C  
 PLOTTER DRIVER: HPGL-RTL  
 PLOTTER MODEL: HP DesignJet 500C  
 PLOTTER PORT: LPT1  
 PLOTTER STATUS: OK  
 PLOTTER TYPE: HP DesignJet 500C  
 PLOTTER MODEL: HP DesignJet 500C  
 PLOTTER PORT: LPT1  
 PLOTTER STATUS: OK  
 PLOTTER TYPE: HP DesignJet 500C















