

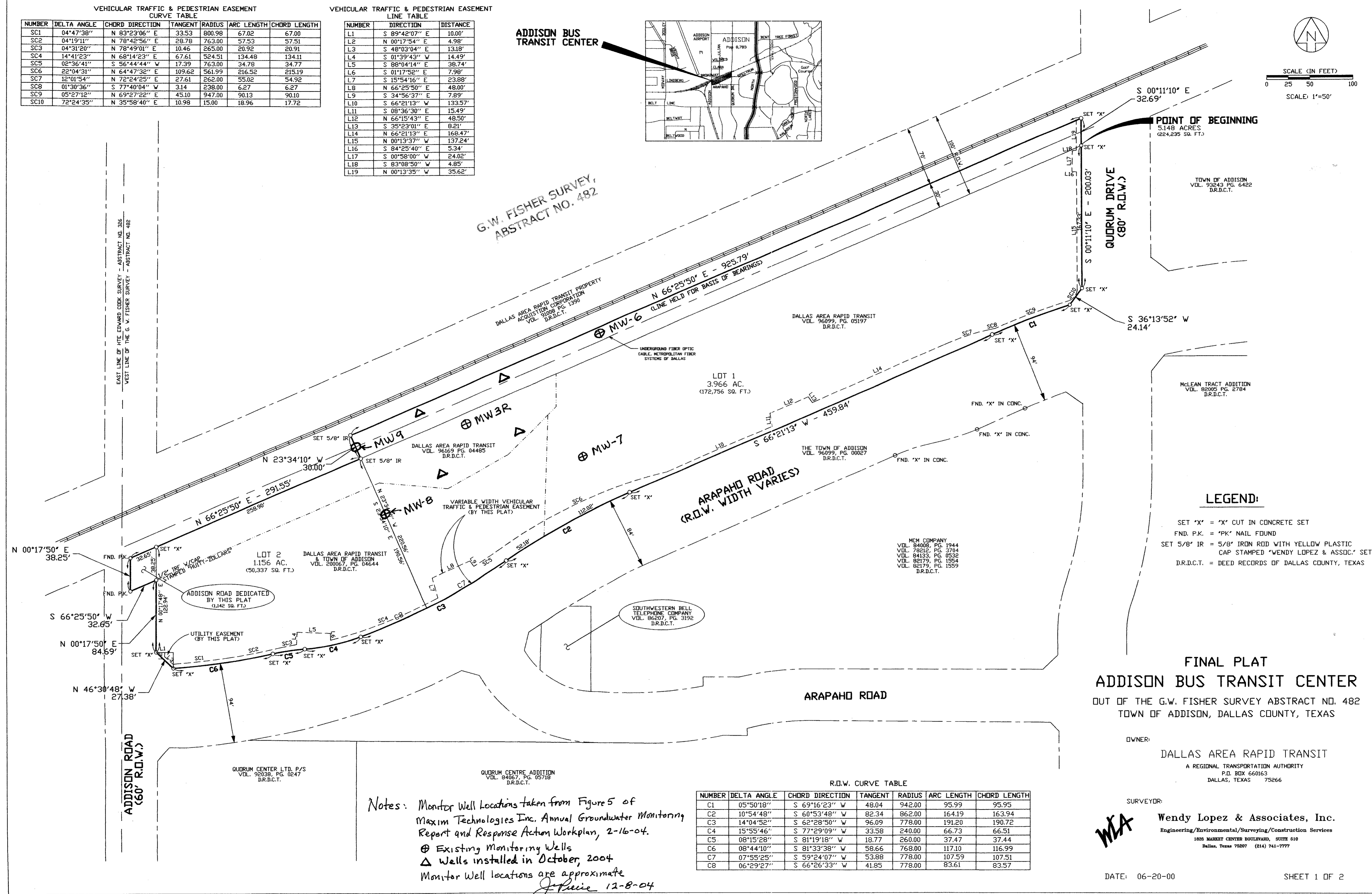
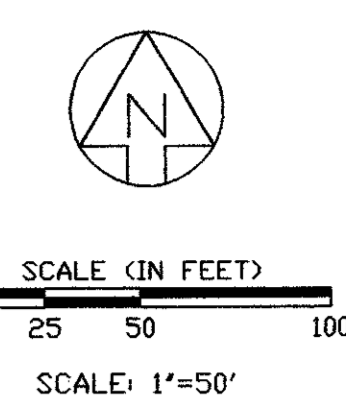
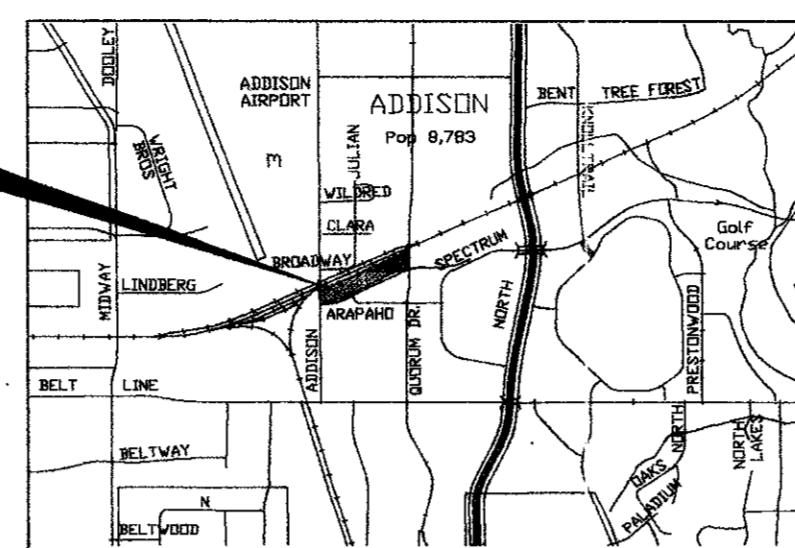
Transit Center
Monitor Wells

VEHICULAR TRAFFIC & PEDESTRIAN EASEMENT CURVE TABLE

NUMBER	DELTA ANGLE	CHORD DIRECTION	TANGENT	RADIUS	ARC LENGTH	CHORD LENGTH
SC1	04°47'38"	N 83°23'06" E	33.53	800.98	67.02	67.00
SC2	04°19'11"	N 78°42'56" E	28.78	763.00	57.53	57.51
SC3	04°31'20"	N 78°49'01" E	10.46	265.00	20.92	20.91
SC4	14°41'23"	N 68°14'23" E	67.61	524.51	134.48	134.11
SC5	02°36'41"	S 56°44'44" W	17.39	763.00	34.78	34.77
SC6	22°04'31"	N 64°47'32" E	109.62	561.99	216.52	215.19
SC7	12°01'54"	N 72°24'25" E	27.61	262.00	55.02	54.92
SC8	01°30'36"	S 77°40'04" W	3.14	238.00	6.27	6.27
SC9	05°27'12"	N 69°27'22" E	45.10	947.00	90.13	90.10
SC10	72°24'35"	N 35°58'40" E	10.98	15.00	18.96	17.72

VEHICULAR TRAFFIC & PEDESTRIAN EASEMENT LINE TABLE

NUMBER	DIRECTION	DISTANCE
L1	S 89°42'07" E	10.00'
L2	N 00°17'54" E	4.98'
L3	S 48°03'04" E	13.18'
L4	S 01°39'43" W	14.49'
L5	S 88°04'14" E	38.74'
L6	S 01°17'52" E	7.98'
L7	S 15°54'16" E	23.88'
L8	N 66°25'50" E	48.00'
L9	S 34°56'37" E	7.89'
L10	S 66°21'13" W	133.57'
L11	S 08°36'30" E	15.49'
L12	N 66°15'43" E	48.50'
L13	S 35°23'01" E	8.21'
L14	N 66°21'13" E	168.47'
L15	N 00°13'37" W	137.24'
L16	S 84°25'40" E	5.34'
L17	S 00°58'00" W	24.02'
L18	S 83°08'50" W	4.85'
L19	N 00°13'35" W	35.62'



G.W. FISHER SURVEY,
ABSTRACT NO. 482

- LEGEND:**
- SET 'X' = 'X' CUT IN CONCRETE SET
 - FND. P.K. = 'PK' NAIL FOUND
 - SET 5/8" IR = 5/8" IRON ROD WITH YELLOW PLASTIC CAP STAMPED 'WENDY LOPEZ & ASSOC.' SET
 - D.R.D.C.T. = DEED RECORDS OF DALLAS COUNTY, TEXAS

FINAL PLAT
ADDISON BUS TRANSIT CENTER
OUT OF THE G.W. FISHER SURVEY ABSTRACT NO. 482
TOWN OF ADDISON, DALLAS COUNTY, TEXAS

OWNER:
DALLAS AREA RAPID TRANSIT
A REGIONAL TRANSPORTATION AUTHORITY
P.O. BOX 660163
DALLAS, TEXAS 75266

SURVEYOR:
WLA Wendy Lopez & Associates, Inc.
Engineering/Environmental/Surveying/Construction Services
1826 MARKET CENTER BOULEVARD, SUITE 610
DALLAS, TEXAS 75207 (214) 741-7777

DATE: 06-20-00 SHEET 1 OF 2

Notes: Monitor Well Locations taken from Figure 5 of Maxim Technologies Inc. Annual Groundwater Monitoring Report and Response Action Workplan, 2-16-04.
⊕ Existing Monitoring Wells
△ Wells installed in October, 2004
Monitor Well locations are approximate
J. Price 12-8-04

R.O.W. CURVE TABLE

NUMBER	DELTA ANGLE	CHORD DIRECTION	TANGENT	RADIUS	ARC LENGTH	CHORD LENGTH
C1	05°50'18"	S 69°16'23" W	48.04	942.00	95.99	95.95
C2	10°54'48"	S 60°53'48" W	82.34	862.00	164.19	163.94
C3	14°04'52"	S 62°28'50" W	96.09	778.00	191.20	190.72
C4	15°55'46"	S 77°29'09" W	33.58	240.00	66.73	66.51
C5	08°15'28"	S 81°19'18" W	18.77	260.00	37.47	37.44
C6	08°44'10"	S 81°33'38" W	58.66	768.00	117.10	116.99
C7	07°55'25"	S 59°24'07" W	53.88	778.00	107.59	107.51
C8	06°29'27"	S 66°26'33" W	41.85	778.00	83.61	83.57

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WENDY LOPEZ & ASSOCIATES
DALLAS COUNTY

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SEP 22 1999

EXHIBIT J

B15-9

ADDISON TRANSIT CENTER

C97000176



RECEIVED
SEP 22 1999

Having checked the information, we certify that it complies with the requirements of the Texas State Board of Professional Engineers. The Engineer's name is TOM KADER, License No. 9750036, State of TEXAS. Title of Engineer: PRESIDENT. Date of Issue: 03/01/98. State of TEXAS. The Engineer's name is TOM KADER, License No. 9750036, State of TEXAS. Title of Engineer: PRESIDENT. Date of Issue: 03/01/98. State of TEXAS.

TOWN OF ADDISON

RECOMMENDED:

John August
DIRECTOR OF PUBLIC WORKS

3-18-98
DATE

WENDY LOPEZ & ASSOCIATES, INC.

Wendy Lopez
PROJECT MANAGER

11/09/97
DATE

DALLAS AREA RAPID TRANSIT

RECOMMENDED:

Robert Jones
PROJECT MANAGER

2/17/98
DATE

APPROVED:

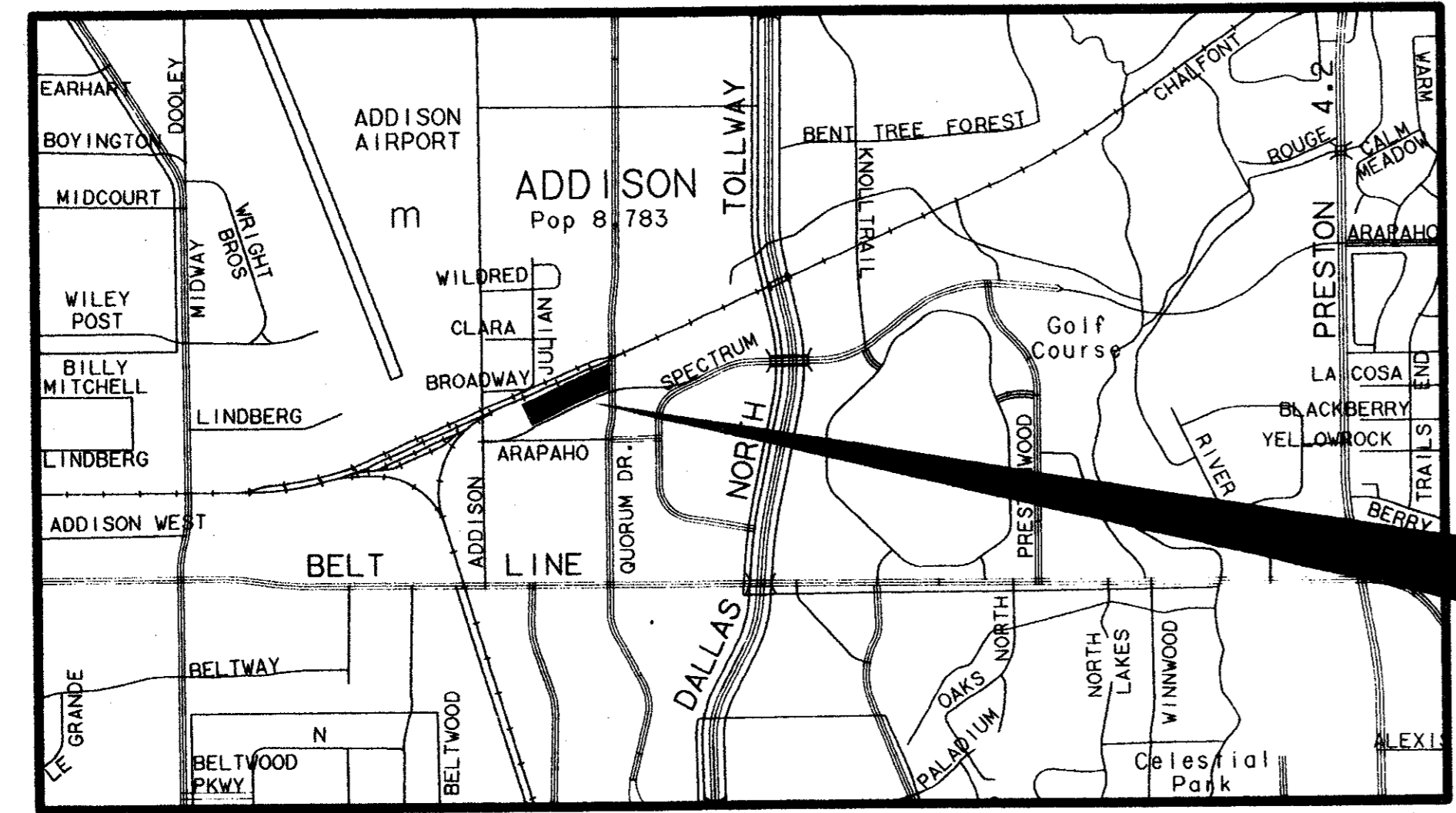
Charles Uppitt
AVP FACILITIES ENGINEERING

3/17/98
DATE

CONFORMED

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DART.TBL
JAMES LANDRY

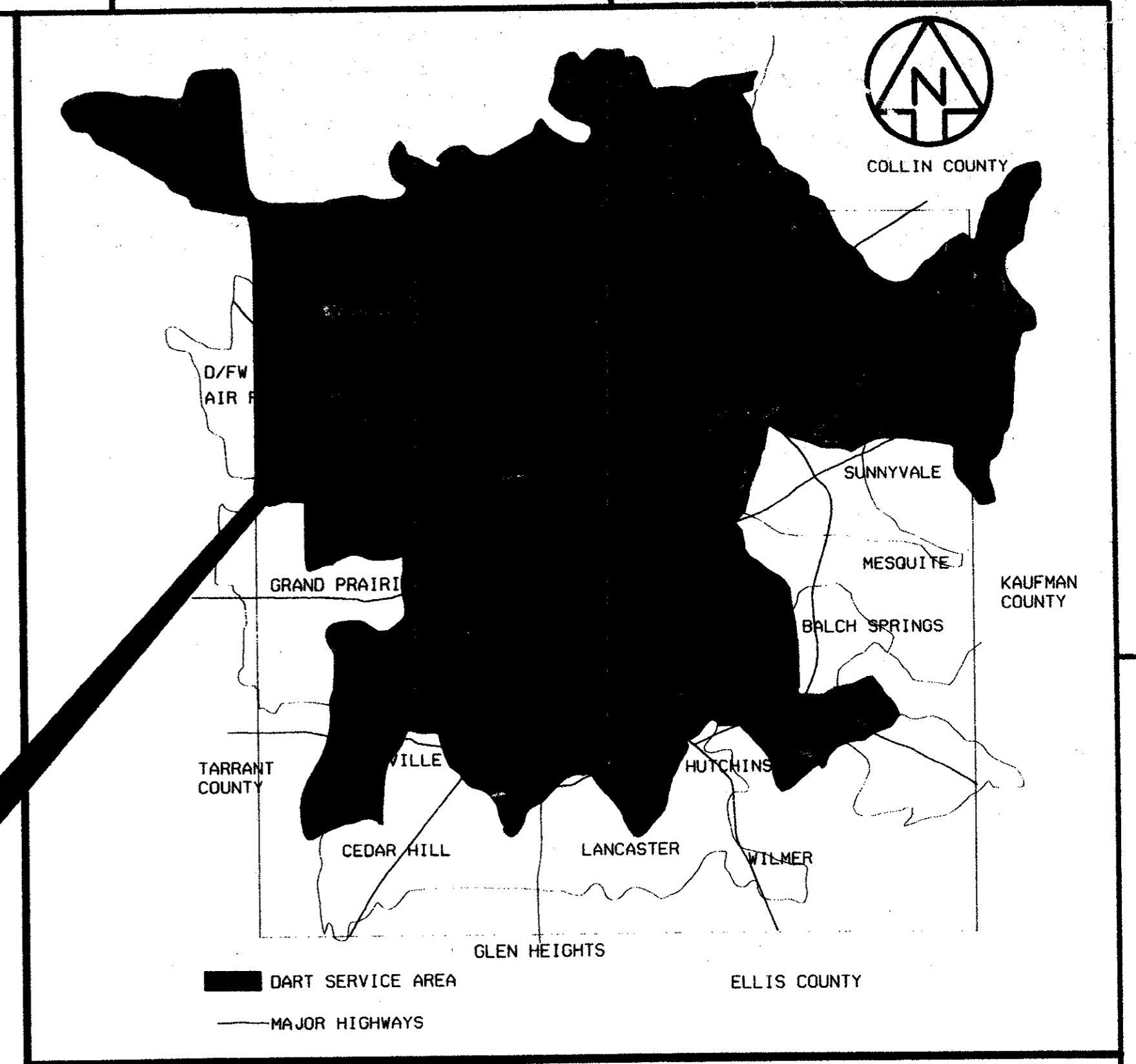
DWG No. GC1-0002



VICINITY MAP
SCALE 1"=3000'



**ADDISON
TRANSIT CENTER
C-97000136**



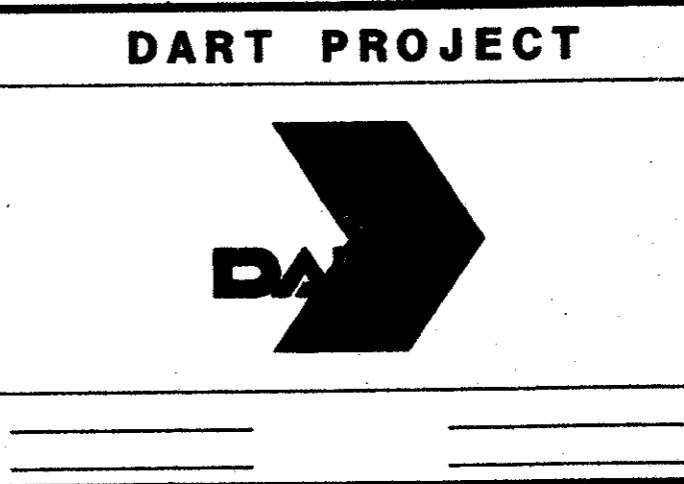
AREA MAP
N.T.S.

7-199
 [Signature]
 PRESIDENT
 CONFIRMED

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WENDY LOPEZ & ASSOC.
 LOCKWOOD, ANDREWS & NEWMAN
 THE SWA GROUP
 GERARD & ASSOCIATES
 ZAXON



SCALE AS SHOWN
 DRAWN D. KRUCIAK
 DESIGNED P. ZHAO
 CHECKED V. STEVENS
 IN CHARGE V. STEVENS
 DATE 14 AUG. 1997

CONTRACT SHEET No. 2 OF 95
**ADDISON
TRANSIT CENTER
TITLE SHEET**
 CONTRACT C-97000136 DWG No. GC1-0002 REV 2

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14 AUG 97
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0000-109 DWG No. GC1-0003

GENERAL

SHEET No.	DWG. No.	SHEET TITLE
1	GC1-0001	COVER SHEET
2	GC1-0002	TITLE SHEET & GENERAL AREA MAPS
3	GC1-0003	INDEX SHEET
4	GC1-0004	GENERAL NOTES

CIVIL

SHEET No.	DWG. No.	SHEET TITLE
5	CS1-0007	CIVIL STANDARDS - ABBREVIATIONS
6	GC1-0005	CIVIL STANDARDS - SYMBOLS
7	RC1-0001	BOUNDARY TOPOGRAPHIC PLAN
8	RC1-0002	SURVEY MONUMENT CONTROL
9	RC2-0001	EXISTING TOPOGRAPHIC PLAN
10	CC7-0001	DEMOLITION PLAN
11	CC5-0001	SITE PLAN
12	CC2-0001	HORIZONTAL CONTROL PLAN
13	CC2-0002	HORIZONTAL CONTROL TABLE
14	CC2-0003	PAVING DIMENSIONS
15	CC2-0004	PAVING DIMENSIONS
16	CC5-0013	DRAINAGE AREA MAP
17	CC5-0002	DRAINAGE AND GRADING PLAN
18	CC2-0005	STORM SEWER PROFILES
19	CC6-0001	INLET DETAILS
20	CS6-0054	CIVIL STANDARD MANHOLE COVER DETAILS, STORM SEWER PIPE EMBEDMENT AND CONNECTION DETAILS
21	CC5-0003	PAVING PLAN
22	CC5-0004	PAVEMENT JOINT LAYOUT
23	CC6-0002	PAVING & WALK DETAILS
24	CC6-0003	TYPICAL SECTIONS
25	CC6-0004	PAVEMENT SECTIONS
26	CC5-0005	PAVEMENT MARKING AND SIGNING PLAN
27	CC1-0001	SIGN TYPES S3.10 - S3.56 TRAFFIC CONTROL SIGNS DETAILS
28	CC1-0002	SIGNS-DETAILS (DELETED)
28A	AS9-0023	SIGNS- DETAILS TYPE S3.10-S3.23 TRAFFIC CONTROL SIGNS ELEVATIONS, DETAILS, SECTIONS
29	AS9-0024	SIGNS- DETAILS TYPE S3.50-S3.56 TRAFFIC CONTROL SIGNS ELEVATIONS, DETAILS, SECTIONS
30	AC9-0003	SIGNS- DETAILS TYPE S7.1 FACILITY BUS STOP SIGN ELEVATIONS, DETAILS, SECTIONS
31	CS1-0005	STANDARD GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS
32	UC2-0001	EXISTING UTILITIES LAYOUT
33	UC3-0001	UTILITY MODIFICATION PLAN
34	UC3-0002	WATER/WASTEWATER PLAN
35	UC1-0001	UTILITY STANDARD DETAILS
36	OC2-0001	SWPPP GENERAL NOTES
37	OC2-0002	SWPPP DEVICE LAYOUT PLAN
38	OC2-0003	SWPPP STANDARD DETAILS

LANDSCAPE ARCHITECTURE

SHEET No.	DWG. No.	SHEET TITLE
39	CC5-0006	FINE GRADING PLAN
40	CC5-0007	HARDSCAPE LAYOUT PLAN
41	CC5-0008	PLATFORM LAYOUT PLAN
42	CC5-0009	HARDSCAPE ENLARGEMENT
43	CC5-0010	HARDSCAPE ENLARGEMENT
44	CC5-0011	PLANTING PLAN
45	CC5-0012	IRRIGATION PLAN
46	CC5-0014	IRRIGATION PLAN
47	LC2-0001	HARDSCAPE DETAILS
48	LC2-0002	HARDSCAPE DETAILS
49	LC2-0003	PLANTING DETAILS
50	LC2-0004	PLANTING DETAILS
51	LC2-0005	IRRIGATION DETAILS

ARCHITECTURAL

SHEET No.	DWG. No.	SHEET TITLE
52	AC1-0001	ARCHITECTURAL SYMBOLS & ABBREVIATION
53	AC2-0001	CANOPY PLANS & ELEVATIONS
54	AC2-0002	CANOPY WINDSCREEN ELEVATION & DETAILS
55	AC2-0003	CANOPY DETAILS
56	AC2-0004	ENCLOSURE FLOOR PLAN
57	AC2-0005	ENCLOSURE ROOF PLAN
58	AC2-0006	ENCLOSURE REFLECTED CEILING PLAN
59	AC2-0007	ENCLOSURE ELEVATIONS
60	AC2-0008	ENCLOSURE FLOOR PATTERN PLAN
61	AC2-0009	ENCLOSURE SECTION & DETAILS
62	AC2-0010	DOOR FINISH SCHEDULE WITH DETAILS
63	AC2-0011	DOOR & WINDOW DETAILS
64	AC2-0012	INTERIOR ELEVATIONS & GATE DETAILS
65	AC2-0013	ENCLOSURE WALL SECTIONS & DETAILS
66	AC2-0014	ENCLOSURE WALL SECTIONS & DETAILS
67	AC2-0015	ENCLOSURE DETAILS
68	AC2-0016	ENCLOSURE DETAILS
69	AC2-0017	ENCLOSURE DETAILS
70	AC9-0001	SITE SIGNAGE & GRAPHICS
71	AC9-0002	ARBOR PLANS & ELEVATIONS

STRUCTURAL

SHEET No.	DWG. No.	SHEET TITLE
72	SC1-0001	STRUCTURAL STANDARDS-ABBREV. & SYMBOLS
73	SC1-0002	STRUCTURAL GENERAL NOTES
74	SC1-0003	ENCLOSURE FOUNDATION PLAN
75	SC1-0004	ENCLOSURE FOUNDATION DETAILS
76	SC1-0005	ENCLOSURE ROOF FRAMING PLAN
77	SC1-0006	ENCLOSURE ROOF SECTIONS
78	SC1-0007	ENCLOSURE STEEL DETAILS
79	SC1-0008	CANOPY FOUNDATION & FRAMING PLAN
80	SC1-0009	CANOPY WINDSCREEN DETAILS
81	SC1-0010	SIGN, LIGHTPOLE AND MISC.SUPPORT DETAILS

MECHANICAL

SHEET No.	DWG. No.	SHEET TITLE
82	MC1-0001	MECHANICAL STANDARDS ABBREVS. & SYMBOLS,
83	MC2-0001	ENCLOSURE HVAC FLOOR PLAN
84	MC2-0002	HVAC SCHEDULES & DETAILS
85	MC2-0003	HVAC DETAILS
86	MC2-0004	HVAC DETAILS

PLUMBING

SHEET No.	DWG. No.	SHEET TITLE
87	PC1-0001	PLUMBING STANDARDS, ABBREVS. & SYMBOLS
88	PC2-0001	ENCLOSURE PLUMBING FLOOR PLAN
89	PC2-0002	PLUMBING SCHEDULE & DETAILS
90	PC2-0003	PLUMBING DETAILS

ELECTRICAL

SHEET No.	DWG. No.	SHEET TITLE
91	EC1-0001	ABBREVIATIONS AND SYMBOLS - ELECTRICAL
92	EC2-0001	SITE ELECTRICAL PLAN
93	EC2-0002	ENCLOSURE LIGHTING PLAN
94	EC2-0003	ENCLOSURE POWER PLAN
95	EC2-0004	SCHEDULES, DETAILS AND RISER DIAGRAMS

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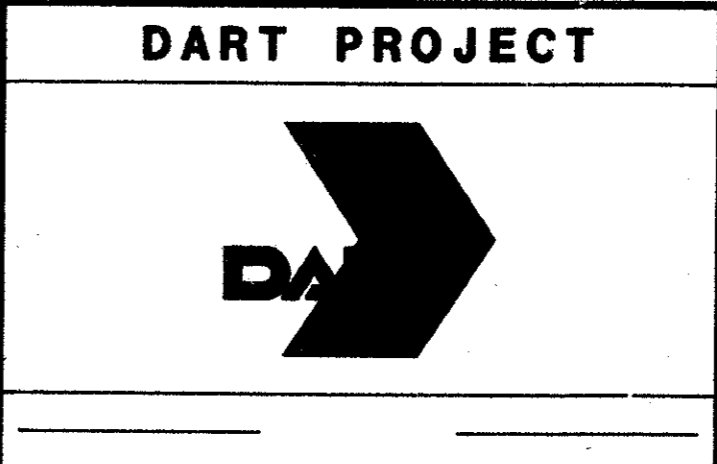
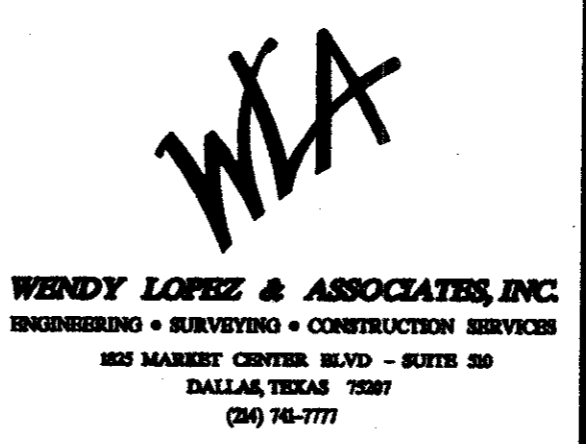
CONTRACT SHEET No. 3 OF 95

**ADDISON
TRANSIT CENTER
INDEX SHEET**

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WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWNAM
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON

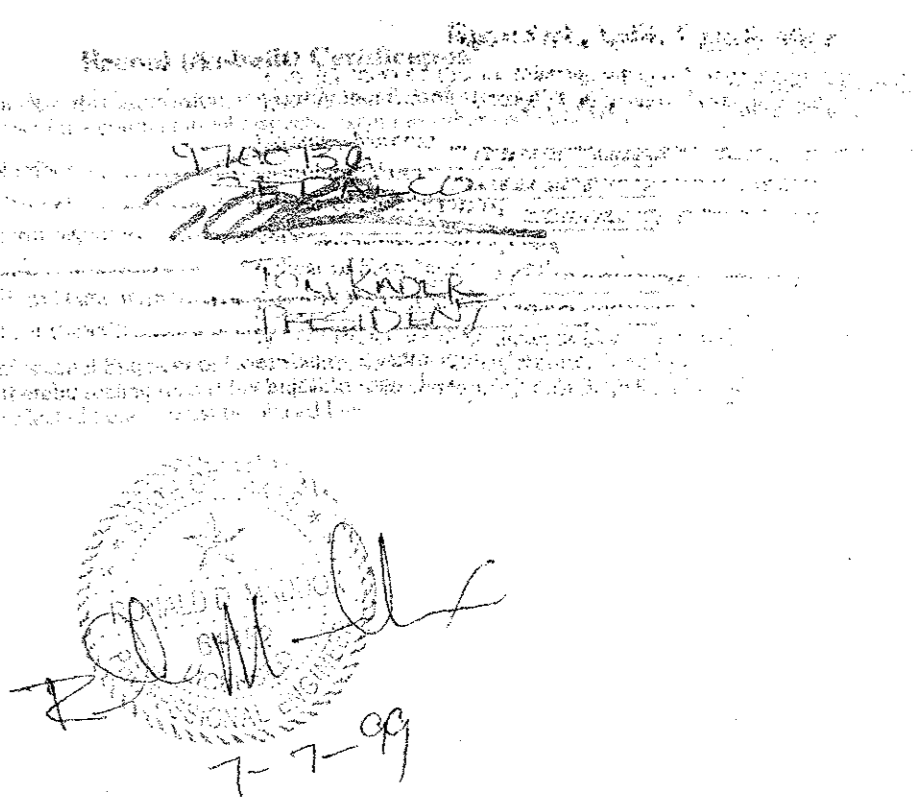


SCALE	N.T.S.
DRAWN	D. KRUCIAK
DESIGNED	P. ZHAO
CHECKED	V. STEVENS
IN CHARGE	V. STEVENS
DATE	14 AUG. 1997

CONTRACT C-97000136 DWG No. GC1-0003 REV 0

GENERAL NOTES

1. THE FOLLOWING NOTES GOVERN THIS PROJECT AND ARE APPLICABLE TO ALL DRAWINGS.
2. CONTRACTOR SHALL OBTAIN A RIGHT OF WAY PERMIT BY THE TOWN OF ADDISON FOR WORKING WITHIN THE PUBLIC RIGHT OF WAY. PRIOR TO SITE CLEARING AND EXCAVATION, CONTRACTOR SHALL INSTALL TEMPORARY EROSION CONTROL FACILITIES IN ACCORDANCE WITH THE DRAWINGS.
3. WORK INVOLVING DRAINAGE FACILITIES AND STREET RECONSTRUCTION OR IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAYS SHALL BE DONE IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS AND STANDARD CONSTRUCTION DETAILS OF THE TOWN OF ADDISON, THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AND THE TOWN OF ADDISON SPECIAL PROVISIONS TO THE NCTCOG SPECIFICATIONS.
4. WORK INVOLVING WATER LINES AND SANITARY SEWERS WITHIN THE PUBLIC RIGHT-OF-WAYS SHALL BE DONE IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS AND STANDARD CONSTRUCTION DETAILS OF THE TOWN OF ADDISON UTILITIES DIVISION OF PUBLIC WORKS DEPARTMENT AND THE NCTCOG STANDARD SPECIFICATIONS.
5. WORK INVOLVING OTHER UTILITIES (ELECTRIC POWER, GAS, TELEPHONE, CABLE TELEVISION, ETC.), SHALL BE DONE IN CONFORMANCE WITH THE REQUIREMENTS OF THE OWNING/OPERATING UTILITY COMPANY.
6. BASIS OF DRAINAGE DESIGN WAS THE TOWN OF ADDISON DRAINAGE CRITERIA MANUAL DATED MARCH 1990, USING A 100-YEAR STORM RECURRENCE INTERVAL.
7. UTILITY INFORMATION IS BASED UPON FIELD MEASUREMENTS AND THE AVAILABLE RECORDS. FIELD DATA IS LIMITED TO THAT WHICH IS VISIBLE AND CAN BE MEASURED. THIS DOES NOT PRECLUDE THE EXISTENCE OF OTHER UNDERGROUND ITEMS. RECORD INFORMATION IS BASED UPON DATA COLLECTED FROM BOTH PUBLIC AND PRIVATE SOURCES. THE COMPLETENESS AND/OR ACCURACY OF THESE RECORDS CAN NOT BE GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO UNCOVER AND VERIFY THE ACTUAL DEPTH AND CONDITION OF ALL AFFECTED UNDERGROUND UTILITIES WITHIN THE AREA AND SHALL PROTECT EACH UTILITY FROM DAMAGE DURING TEMPORARY OR PERMANENT CONSTRUCTION. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HRS. PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES AND COSTS OF REPAIR THEREOF.
8. THE CONTRACTOR SHALL PROVIDE THE NECESSARY SHEETING, SHORING AND BRACING WITH AN EXCAVATION AND TRENCH SAFETY PROGRAM COORDINATED WITH THE ENTIRE PROJECT INCLUDING UTILITY CONSTRUCTION, BOTH TEMPORARY AND PERMANENT. THIS PROGRAM SHALL INCLUDE PROTECTION FOR EXCAVATION WITHIN THE ENTIRE PROJECT WHERE SPACE DOES NOT ALLOW LAYING BACK OF EXCAVATED SLOPES WITHIN THE DESIGNATED RIGHT-OF-WAY, WITHIN SAFE WORKING CLEARANCES, OR THE TEMPORARY CONSTRUCTION EASEMENTS PROVIDED BY DART.
9. COORDINATE ALL WATER AND WASTEWATER SERVICE CONNECTIONS DUE TO RELOCATIONS OR IMPROVEMENTS. SHOULD ANY INTERRUPTIONS IN UTILITY SERVICE TO ADJACENT BUILDINGS OR PROPERTY BE REQUIRED, NOTIFY THE OWNERS OR OCCUPANTS AT LEAST TWO (2) CALENDAR DAYS PRIOR TO CONSTRUCTION OF SERVICE TO THIS PROJECT SITE.
10. DEMOLITION. REMOVE EXISTING FENCES, GATES, ASPHALT, CONCRETE, CURBING, LANDSCAPING ITEMS, CONDUITS, AND RELATED ITEMS, NOT PREVIOUSLY REMOVED "BY OTHERS" AND REMAINS WITHIN DART PROPERTY IN ACCORDANCE WITH SECTION 02050 "DEMOLITION".
11. NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION SHALL GOVERN WORK FOR INTEGRAL CURBS. ALL CONCRETE PAVING SHALL HAVE CURBS PLACED INTEGRAL WITH PAVEMENT. CURB HEIGHT SHALL BE 7 1/2" FOR THE PASSENGER PLATFORM ISLAND, AND 6" FOR ALL OTHER AREAS, UNLESS NOTED OTHERWISE (U.N.O.).
12. PAVEMENT SURFACE FINISH. ALL CONCRETE PAVEMENT SURFACES SHALL RECEIVE A NON-SKID, LIGHT BROOM FINISH PERPENDICULAR TO THE FLOW OF TRAFFIC, UNLESS NOTED OTHERWISE (U.N.O.)
13. PLAIN CONCRETE SIDEWALKS SHALL BE 4" THICK, 4000 PSI MIN. REINFORCED CONCRETE WITH #3 BARS 16" O.C. IN E/W DIRECTION. PROVIDE 1/2" DOWELLED EXPANSION AS PER LANDSCAPE DETAILS AND AT ALL RADIUS POINTS. ALL PLAIN CONCRETE SIDEWALKS SHALL RECEIVE A NON-SKID, LIGHT BROOM FINISH. ALL SIDEWALKS SLOPE TOWARD CURB 1/4"/FT. U.N.O. SEE LANDSCAPE DRAWINGS FOR DETAILS.
14. CONTOURS AND ELEVATIONS. PROPOSED CONTOURS SHOWN ON PAVING AND GRADING PLANS INDICATE FINISHED CONCRETE GRADE OR PAVESTONE (TOP OF PAVEMENT). ALL ELEVATIONS ARE TOP OF CURB (TC), U.N.O.
TP = TOP OF PAVEMENT
TC = TOP OF CURB
G = GUTTER
15. LANDSCAPING AND IRRIGATION. REFER TO IRRIGATION DRAWINGS FOR UNDERGROUND SLEEVES TO BE PLACED UNDER PAVEMENT, DRIVES, AND SIDEWALKS. REFER TO LANDSCAPE PLANS FOR INFORMATION PERTAINING TO THE LANDSCAPE AREAS AND IRRIGATION SERVICE CONNECTIONS.
16. ELECTRICAL. REFER TO ELECTRICAL DRAWINGS FOR INFORMATION REGARDING THE UNDERGROUND SERVICE CONNECTIONS AND CONDUITS TO BE PLACED FOR PROPOSED LIGHT POLES AND RELATED ELEMENTS.
17. BARRIER FREE RAMPS. BARRIER FREE RAMPS SHALL BE CONSTRUCTED AT ALL LOCATIONS INDICATED ON PLANS, INCLUDING ALL CROSSWALKS IN ACCORDANCE WITH ADA STDS. AND TOWN OF ADDISON STANDARD CONSTRUCTION DETAILS UNLESS OTHERWISE AMENDED BY THESE DRAWINGS.
18. PAVEMENT SUBGRADE. ALL PAVEMENT SUBGRADE SHALL BE LIME TREATED 6" THK. AT A RATE OF 8% LIME PER DRY WEIGHT (36 LBS/SY) AND SHALL BE EXTEND 2 FT. BEHIND THE BACK OF CURB. IN AREAS REQUIRING FILL TO ACHIEVE GRADE, PLACE FILL IN 6" LIFTS (MAXIMUM), COMPACTING TO MINIMUM 95% STANDARD PROCTOR DENSITY PER ASTM D698 AND WITHIN 3% OF THE OPTIMUM MOISTURE. A SOILS REPORT IS AVAILABLE FROM DART, CONTACT DART'S CONTRACTING OFFICER FOR MAXIM TECHNOLOGIES REPORT, DEC. 1996.
19. SIDEWALK ALONG ARAPHO ROAD SHALL BE 10 FEET IN WIDTH AND NOT 12 FEET AND 15 FEET AS DEPICTED IN THESE CONSTRUCTION DOCUMENTS. SIDEWALK CONSTRUCTION, GRADING, SEEDING AND IRRIGATION FOR THE AREAS BETWEEN THE PROJECT LIMIT LINE AND THE EDGE OF SIDEWALK ALONG ARAPHO ROAD ARE NOT IN THIS CONTRACT.



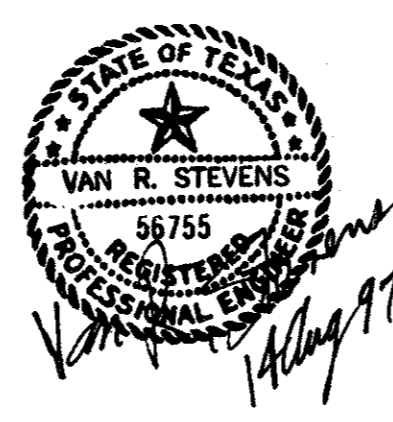
 Van R. Stevens

 7-7-99


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CONTRACT SHEET No. 4 OF 95

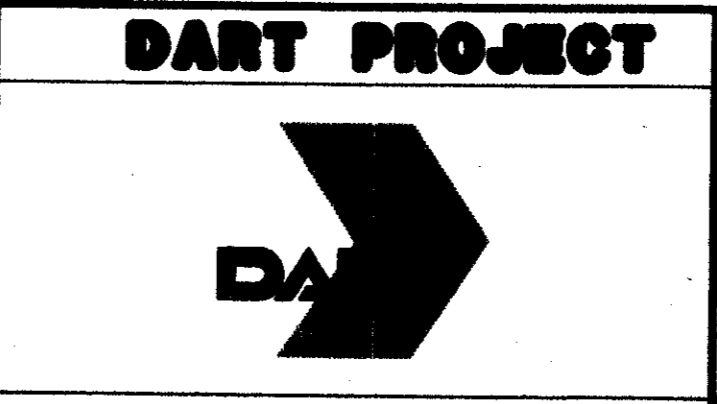
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WENDY LOPEZ & ASSOC.
 LOCKWOOD, ANDREWS & NEWNAM
 THE SWA GROUP
 GERARD & ASSOCIATES
 ZAXON



WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 825 MARKET CENTER BLVD - SUITE 50
 DALLAS, TEXAS 75207
 (214) 742-7777



SCALE	N.T.S.
DRAWN	D. KRUCIAK
DESIGNED	P. ZHAO
CHECKED	V. STEVENS
IN CHARGE	V. STEVENS
DATE	AUG. 14, 1997

**ADDISON
TRANSIT CENTER**
GENERAL NOTES

CONTRACT C-97000136 DWG No. GC1-0004 REV 0

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TRACK ALIGNMENT

HORIZONTAL

BSB BEARING OF TANGENT AT SPD
 CC CENTER OF CIRCULAR CURVE
 CS POINT OF CHANGE FROM CIRCULAR CURVE TO SPIRAL
 CS1 POINT OF CHANGE FROM FIRST CIRCULAR CURVE TO COMPOUND SPIRAL
 CS2 POINT OF CHANGE FROM SECOND CIRCULAR CURVE TO LAST SPIRAL
 D DEGREE OF CURVE
 Es EXTERNAL DISTANCE OF SPIRAL CURVE
 k TANGENT DISTANCE FROM TS OR ST TO PC OR PT OF THE EXTENDED CIRCULAR CURVE OF A SPIRALIZED CURVE
 Lc TOTAL LENGTH OF CIRCULAR CURVE
 LC LONG CHORD
 Ls TOTAL LENGTH OF SPIRAL
 LSC LENGTH OF COMPOUND SPIRAL (FROM CS1 TO SC2)
 LSI TOTAL LENGTH OF SPIRAL DOWNSTATION
 LS2 TOTAL LENGTH OF SPIRAL UPSTATION
 L.T. LONG TANGENT - SPIRAL
 P OFFSET FROM THE TANGENT TO THE PC OR PT OF THE EXTENDED CIRCULAR CURVE OF A SPIRALIZED CURVE
 PC POINT OF CHANGE FROM TANGENT TO CIRCULAR CURVE
 PCC POINT OF COMPOUND CURVATURES
 PCS POINT OF COMPOUND SPIRAL
 PF POINT OF FROG
 P1 POINT OF INTERSECTION OF TWO TANGENTS
 P1c POINT OF INTERSECTION - CIRCULAR CURVE
 P1TO POINT OF INTERSECTION OF TURNOUT
 P1s POINT OF INTERSECTION - SPIRAL
 POC POINT ON CURVE
 POS POINT ON SPIRAL
 POST POINT ON SEMI-TANGENT
 POT POINT ON TANGENT
 PRC POINT OF REVERSE CURVES
 PS POINT OF SWITCH
 PT POINT OF CHANGE FROM CIRCULAR CURVE TO TANGENT
 R RADIUS OF CURVATURE
 Rc RADIUS OF CIRCULAR CURVE
 SC SPIRAL TO CURVE
 SC1 POINT OF CHANGE FROM FIRST SPIRAL TO FIRST CIRCULAR CURVE
 SC2 POINT OF CHANGE FROM COMPOUND SPIRAL TO SECOND CIRCULAR CURVE
 SPO POINT OF ORIGIN ON COMPOUND SPIRAL
 SS POINT OF CHANGE FROM ONE SPIRAL TO ANOTHER
 ST POINT OF CHANGE FROM SPIRAL TO TANGENT
 S.T. SHORT TANGENT OF SPIRAL
 T LENGTH OF TANGENT
 Tc TANGENT LENGTH OF CIRCULAR CURVE
 Ts TANGENT DISTANCE FROM TS OR ST TO P1
 TS TANGENT TO SPIRAL
 v DESIGN VELOCITY IN MILES PER HOUR
 Xs TANGENT DISTANCE FROM TS TO SC OR ST TO CS
 Ys TANGENT OFFSET AT SC OR CS
 Δ TOTAL CENTRAL ANGLE OF SPIRAL AND CIRCULAR CURVES
 θc CENTRAL ANGLE OF CIRCULAR CURVES
 θc1 SUFFIX (1) AT THE SYMBOL DENOTES DATA FOR THE FIRST CIRCULAR CURVE OF A COMPOUND CURVE
 θc2 SUFFIX (2) SAME AS ABOVE-SECOND CIRCULAR CURVE
 θs CENTRAL ANGLE OF SPIRAL OR SPIRAL ANGLE
 θsAC CENTRAL ANGLE OF COMPOUND SPIRAL OR COMPOUND SPIRAL ANGLE (FROM CS1 TO SC2)
 θsAT TOTAL CENTRAL ANGLE OF COMPOUND SPIRAL OR TOTAL COMPOUND SPIRAL ANGLE (FROM SPO TO SC2)

VERTICAL

LVC LENGTH OF VERTICAL CURVE (PVC TO PVT)
 POVC POINT ON VERTICAL CURVE
 POVT POINT ON VERTICAL TANGENT
 PVC POINT OF VERTICAL CURVE
 PVCC POINT OF COMPOUND VERTICAL CURVE
 PVI POINT OF INTERSECTION OF TWO PROFILE TANGENTS
 PVRC POINT OF REVERSE VERTICAL CURVE
 PVT POINT OF VERTICAL TANGENT
 VC VERTICAL CURVE

NIC

MISCELLANEOUS

A AMPERE
 ABD ABANDONED
 A/E ARCHITECT/ENGINEER
 A/G AT GRADE
 AASHTO AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
 ACI AMERICAN CONCRETE INSTITUTE
 AGG AGGREGATE
 AGG B AGGREGATE BASE
 AGG SB AGGREGATE SUB-BASE
 AHD AHEAD
 AISC AMERICAN INSTITUTE OF STEEL CONST., INC.
 AISI AMERICAN IRON AND STEEL INSTITUTE
 AL ALUMINUM
 APPROX APPROXIMATE
 ASBCP ASBESTOS CEMENT PIPE
 ASCE AMERICAN SOCIETY OF CIVIL ENGINEERS
 ASPH ASPHALT
 ATSF ATCHISON, TOPEKA & SANTA FE RAILROAD COMPANY
 AVE AVENUE
 AWG AMERICAN WIRE GAUGE
 AZ AZIMUTH
 B/B BACK TO BACK
 B/C BACK OF CURB
 BEG BEGINNING
 BF BOTH FACES
 BH BORED HOLE
 BIT BITUMINOUS
 BK BACK
 BKF BACKFILL
 B BASELINE
 B/L BUILDING LINE
 BLDG BUILDING
 BLK BLOCK
 BLVD BOULEVARD
 B.M. BENCH MARK
 BNRR BURLINGTON NORTHERN RAILROAD COMPANY
 BOT BOTTOM
 BRG BEARING
 B/S BOTTOM OF SLOPE
 BS BOTH SIDES
 BSMT BASEMENT
 BTWN BETWEEN
 BW BOTH WAYS
 CB CATCH BASIN
 CBD CENTRAL BUSINESS DISTRICT
 C/C CUT & COVER
 CC CENTER OF CURVE
 C to C CENTER TO CENTER
 CEM CEMENT
 CF CUBIC FEET
 CFM CUBIC FEET PER MINUTE
 CFS CUBIC FEET PER SECOND
 CG CONCRETE GUTTER
 C & G CURB AND GUTTER
 CH CHANNEL
 CHD CHORD
 CI CAST IRON
 CIP CAST IRON PIPE
 CL CENTERLINE
 C/L CURB LINE
 CL CLASS
 CLR CLEARANCE, CLEAR
 CMP CORRUGATED METAL PIPE
 CND CONDUIT
 CO CLEAN OUT
 CONC CONCRETE
 CONST CONSTRUCTION
 CONT CONTINUATION, CONTINUOUS
 CORR CORRUGATED
 CP CONCRETE PIPE
 CPPEP CORRUGATED PLASTIC POLYETHYLENE PIPE
 CTB CEMENT TREATED BASE
 CTR CENTER
 CULV CULVERT

CY CUBIC YARD
 DART DALLAS AREA RAPID TRANSIT
 DCU DART CONTRACT UNIT
 DEG DEGREE
 DEP DEPRESSED
 DET DETAIL
 DI DROP INLET
 DIA DIAMETER
 DIST DISTANCE
 DPL DALLAS POWER & LIGHT COMPANY
 DCDR DALLAS COUNTY DEED RECORDS
 DRWY DRIVEWAY
 DWG DRAWING
 E EAST
 Ea ACTUAL SUPERELEVATION IN INCHES
 EA EACH
 EC EXPOSED CONSTRUCTION
 EF EACH FACE
 EL ELEVATION
 ELEC ELECTRIC, ELECTRICAL
 EMER EMERGENCY
 ENCL ENCLOSURE
 ENT ENTRANCE
 E/P EDGE OF PAVEMENT
 EQ EQUAL
 EQUIV EQUIVALENT
 E/S EDGE OF SHOULDER
 ESMT EASEMENT
 EST ESTIMATE
 E1 TOTAL SUPERELEVATION IN INCHES
 ET AL AND OTHERS
 ET UX AND WIFE
 ET CON AND HUSBAND
 ETC ET CETERA
 Eu SUPERELEVATION UNBALANCED IN INCHES
 EXIST EXISTING
 EXP EXPANSION
 EXPJT EXPANSION JOINT
 EXPO EXPOSED
 EXPWY EXPRESSWAY
 FDN FOUNDATION
 FF FINISH FLOOR
 F to F FACE TO FACE
 FG FINISH GRADE
 FH FIRE HYDRANT
 FIG FIGURE
 FIN FINISH
 FIR FOUND IRON ROD
 FL FLOW LINE
 FLR FLOOR
 FOW FACE OF WALL
 FRWY FREEWAY
 FS FAR SIDE
 FT FOOT OR FEET
 FTG FOOTING
 FURN FURNISH
 GA GAUGE
 GALV GALVANIZED
 GALVS GALVANIZED STEEL
 GENL GENERAL
 G/L GROUND LINE
 GM GAS METER
 GND GROUND
 GR GRADE
 G/R GUARD RAIL
 GRTG GRATING
 GSC GALVANIZED STEEL CONDUIT
 GV GAS VALVE
 GVL GRAVEL
 HGL HYDRAULIC GRADE LINE
 HMAc HOT MIX ASPHALTIC CONCRETE
 HORIZ HORIZONTAL
 HPT HIGH POINT
 HW HEADWALL
 HWL HIGH WATER LINE

ID INSIDE DIAMETER
 IE INVERT ELEVATION
 IF INSIDE FACE
 IN INCHES
 INCL INCLUDE
 INV INVERT
 IP IRON PIPE
 IR INSIDE RADIUS
 JT JOINT
 LB POUND
 LF LINEAR FOOT
 LG LENGTH
 LH LEFT HAND
 LIN LINEAR
 LOC LOCATION
 LONG LONGITUDINAL
 LPT LOW POINT
 LSG LONE STAR GAS
 L/T LEFT TRACK
 MACH MACHINE
 MAINT MAINTENANCE
 MAX MAXIMUM
 MH MANHOLE
 MIN MINIMUM
 MISC MISCELLANEOUS
 MKT MISSOURI-KANSAS-TEXAS RAILROAD COMPANY
 MON MONUMENT
 MPH MILES PER HOUR
 MSL MEAN SEA LEVEL
 MATL MATERIAL
 N NORTH
 N/A NOT APPLICABLE
 NF NEAR FACE
 N/F NOW OR FORMERLY
 NIC NOT IN CONTRACT
 No. NUMBER
 NOM NOMINAL
 N/S NORTH/SOUTH
 NS NEAR SIDE
 NTS NOT TO SCALE
 OC ON CENTER
 OD OUTSIDE DIAMETER
 OF OUTSIDE FACE
 O to O OUT TO OUT
 OPNG OPENING
 OPP OPPOSITE
 ORD ORDINANCE
 P PILASTER
 P/C PRECAST
 PCY POUNDS PER CUBIC YARD
 PED PEDESTRIAN
 PERF PERFORATED
 PGL PROFILE GRADE LINE
 PS POINT OF SWITCH
 POB POINT OF BEGINNING
 PP POWER POLE
 PROP PROPOSED
 PSF POUNDS PER SQUARE FOOT
 PSI POUNDS PER SQUARE INCH
 PVMT PAVEMENT
 R RADIUS
 RCP REINFORCED CONCRETE PIPE
 RD ROAD
 REF REFERENCE
 REINF REINFORCE, REINFORCING, REINFORCEMENT
 REQD REQUIRED
 REV REVISED, REVISION
 RH RIGHT HAND
 ROW RIGHT-OF-WAY
 RR RAILROAD
 R/T RIGHT TRACK
 RTRN RAILTRAN
 RW RETAINING WALL
 RY RAILWAY

S SOUTH
 SCHED SCHEDULE
 SD STORM DRAIN
 SDWK SIDEWALK
 SERV SERVICE
 Sq Ft SQUARE FOOT
 SH STATE HIGHWAY
 SHC SHOT CRETE
 SHLD SHOULDER
 SHT SHEET
 S SURVEY LINE
 SPT SOUTHERN PACIFIC TRANSPORTATION COMPANY
 SUBD SUBDIVISION
 SPC SPACE
 SQ SQUARE
 SS SANITARY SEWER
 STA STATION
 STD STANDARD
 STL STEEL
 STRUCT STRUCTURE
 STY STORY
 SUB SUBSTATION
 SURF SURFACE
 SY SQUARE YARD
 SYM SYMMETRICAL
 SYS SYSTEM
 TAN TANGENT
 TBD TO BE DETERMINED
 TBM TEMPORARY BENCHMARK
 T/B TEST BORING
 T & B TOP AND BOTTOM
 T/C TOP OF CURB
 T/D TOP OF DITCH
 TEM TEMPORARY
 TERM TERMINAL
 T/G TOP OF GROUND LINE
 THK THICK, THICKNESS
 TLT TRANSMISSION LINE TOWER
 TMUTCD TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
 TOC TOP OF CONCRETE
 TOPO TOPOGRAPHY
 TPL TEXAS POWER & LIGHT COMPANY
 T/P TOP OF PAVEMENT
 TRD TREAD
 TRF SIG TRAFFIC SIGNAL
 TRK TRACK
 T/R TOP OF RAIL
 T/S TOP OF SLOPE
 T/W TOP OF WALL
 TYP TYPICAL
 TUE TEXAS UTILITIES ELECTRIC COMPANY
 UC UNDERCUT
 UD UNDERDRAIN
 UG UNDERGROUND
 UNO UNLESS NOTED OTHERWISE
 UP UNION PACIFIC RAILROAD COMPANY
 VAR VARIABLE
 VCP VITRIFIED CLAY PIPE
 VERT VERTICAL
 VOL VOLUME
 W WEST
 W/ WITH
 WHSE WAREHOUSE
 W/O WITHOUT
 WP WORK POINT
 WS WATER SURFACE
 WTR WATER
 WI WEIGHT
 WV WATER VALVE
 WWF WELDED WIRE FABRIC
 X-ING CROSSING
 X-OVER CROSSOVER
 X-SECT CROSS SECTION

CONFORMED


CONTRACT SHEET No. 5 of 95

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△					△				
△					△				
△					△				
REV	DATE	DESCRIPTION	BY	DES	CHK	APP	REV	DATE	DESCRIPTION

STATE OF TEXAS
 REGISTERED PROFESSIONAL ENGINEER
 RICHARD D. SEITZ
 63424
 Richard D. Seitz
 4-23-92

HUITT-ZOLLARS
 3131 MCKINNEY AVENUE, SUITE 600
 DALLAS, TEXAS 75244-8711
 Sverdrup Corporation
 Barton-Aschman Associates, Inc.
 Arredondo, Brunz & Associates, Inc.
 LS Transit Systems
 Hellmuth Obata & Kassabaum, Inc.

DART PROJECT



SCALE	NO SCALE
DRAWN	DART CADD
DESIGNED	E. A. RAINSEK
CHECKED	S. HEBB
IN CHARGE	D.P. KELLY
DATE	06 FEB 92

CIVIL STANDARD

ABBREVIATIONS

CONTRACT C-97000138 DWG No. CSI-0007 REV 0

SYMBOLS

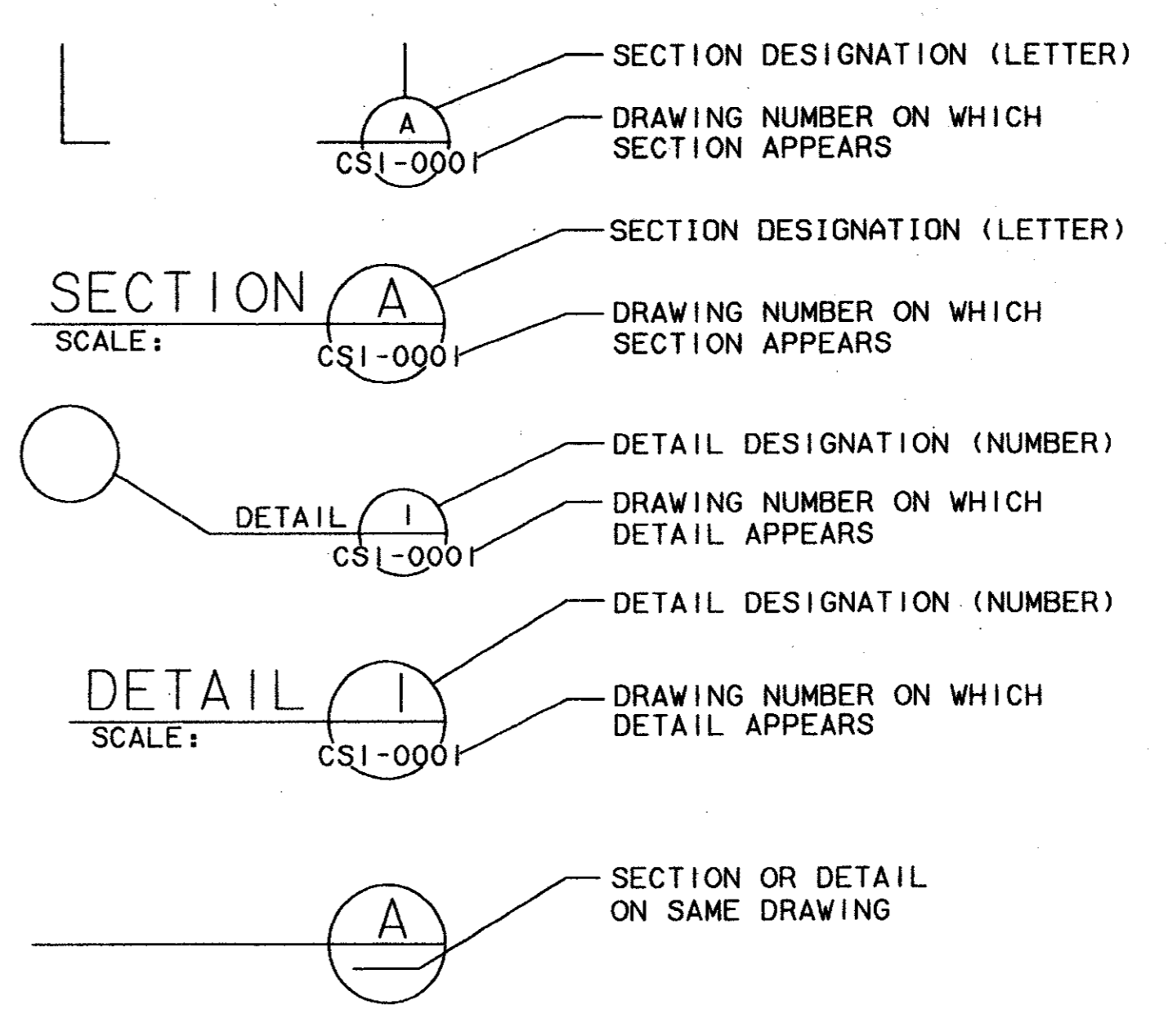
MISCELLANEOUS

EXISTING		PROPOSED
	CONTOUR LINE	
	CENTER OR BASE LINE	
	MATCH LINE AND SECTION LINE	
	TRACK (TRANSIT) CENTER LINE	
	FENCE LINE	
	SURFACE FLOW DIRECTION	
	STORM SEWER LINE 24" OR LESS	
	STORM SEWER LINE 24" OR MORE	
	UNDERDRAIN LINE	
	STRUCTURE OUTLINE	
	RAILROAD TRACKS	
	CLEANOUT	
	MANHOLE	
	SIDEWALK AND MISC LINES	
	DROP INLET, CATCH BASIN OR DRAIN	
	CULVERT HEADWALLS	
	SPOT ELEVATION	
	DENOTES SC STATION 926+34.75 ON B LINE	
	DART PRIMARY CONTROL POINT	
	OTHER SURVEY MONUMENTS	
	TEST BORING 18	
	CURB LINE	
	RETAINING WALL	
	GUARD RAIL	
	HAND RAIL	
	TEMPORARY BARRIER	
	GROUND OR GRADE LINE	
	MON. WELL	
	CONCRETE PAVEMENT	
	ASPHALT PAVEMENT	

TRAFFIC CONTROL SYMBOLS

EXISTING		PROPOSED
	TRAFFIC SIGNAL POLE WITH MAST ARM	
	TRAFFIC SIGNAL HEAD	
	TRAFFIC SIGNAL CONTROLLER, BASE MOUNTED	
	TRAFFIC SIGNAL CONTROLLER, POLE MOUNTED	
	SPAN WIRE POLE	
	TRAFFIC PULLBOX	
	PEDESTRIAN SIGNAL	
	LOOP DETECTOR	
	RED LENS	
	YELLOW LENS	
	GREEN LENS	

SECTIONS AND DETAILS



RIGHT-OF-WAY SYMBOLS

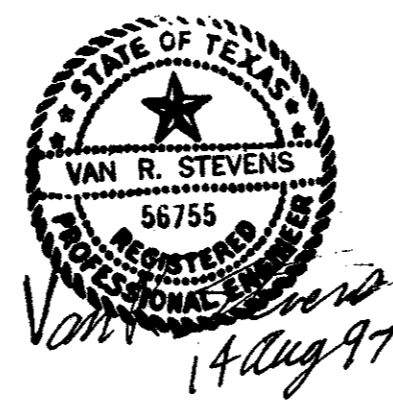
EXISTING		PROPOSED
	PARCEL NUMBER	
	COUNTY OF DALLAS BLOCK NUMBER	
	PARCEL OWNERSHIP SAME AS ADJACENT PARCEL	
	DEGREES, MINUTES & SECONDS	
	PROPERTY LINE	
	RIGHT-OF-WAY LINE	
	EASEMENT LINE	
	MUNICIPAL BOUNDARY-CITY/COUNTY	
	PROPERTY/ROW LINE WITH CALLOUT	
	INTERSECTION OF EXISTING PROPERTY LINE	
	INTERSECTION AT PROPOSED PROPERTY LINE (ROW)	

ALIGNMENT AND TRACK SYMBOLS

	CURVE NUMBER
	POINT ON ALIGNMENT
	POINT OF SWITCH
	LEFT HAND LATERAL TURNOUT
	RIGHT HAND LATERAL TURNOUT
	POINT OF INTERSECTION OF TURNOUT
	BUMPING POST
	DOUBLE CROSSOVER

CONFORMED
CONTRACT SHEET No. 6 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWNAM
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON



DART PROJECT

SCALE	NO SCALE
DRAWN	D. KRUCIAK
DESIGNED	P. ZHAO
CHECKED	V. STEVENS
IN CHARGE	V. STEVENS
DATE	14 AUG. 1997

CIVIL STANDARD
SYMBOLS
CONTRACT C-97000136
DWG No. GCI-0005
REV 0

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 13 AUG 97
 DART.TBL
 JAMES LANDRY

DWG No. RC1-0001

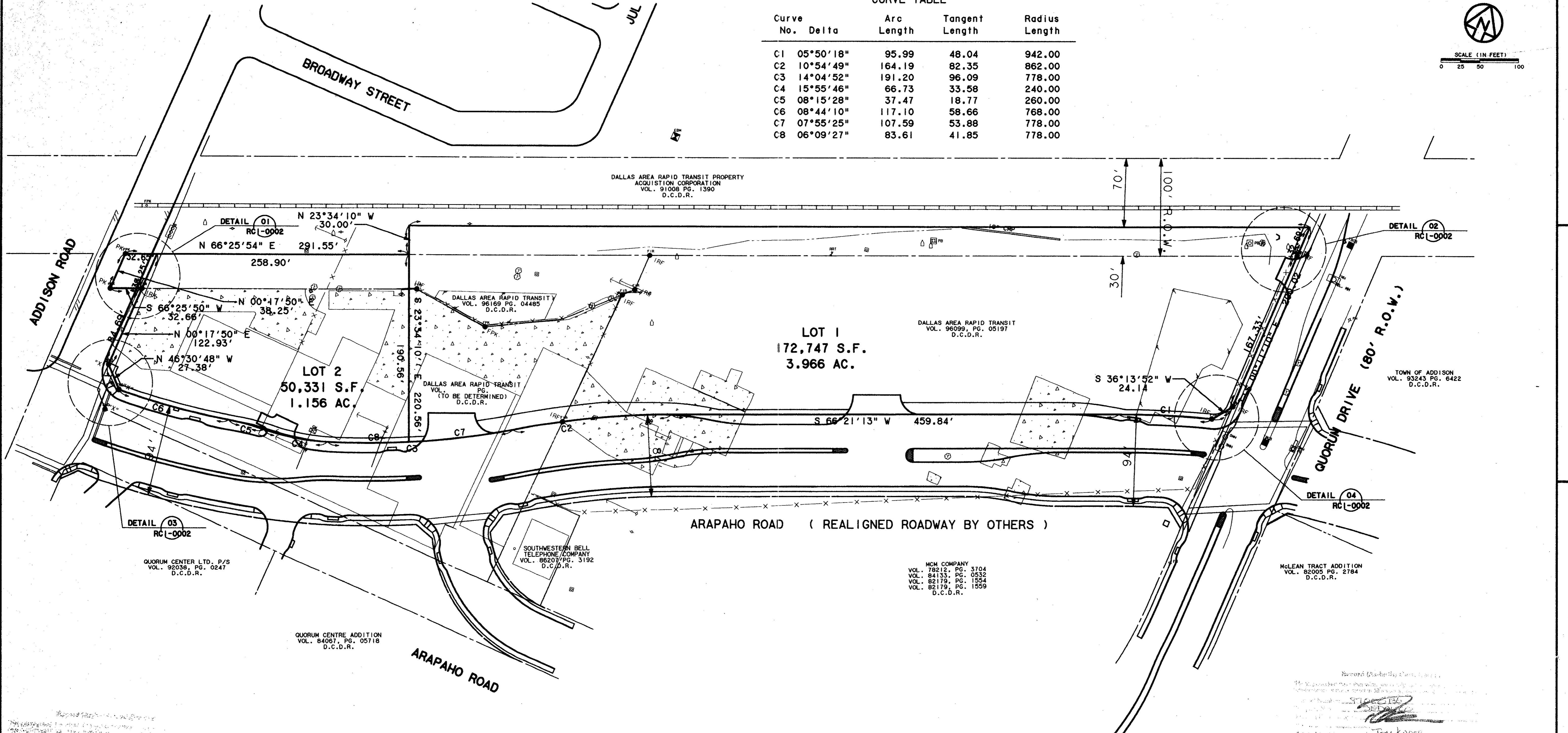
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13-AUG-97
DART-TBL
JAMES LANDRY

CURVE TABLE

Curve No.	Delta	Arc Length	Tangent Length	Radius Length
C1	05°50'18"	95.99	48.04	942.00
C2	10°54'49"	164.19	82.35	862.00
C3	14°04'52"	191.20	96.09	778.00
C4	15°55'46"	66.73	33.58	240.00
C5	08°15'28"	37.47	18.77	260.00
C6	08°44'10"	117.10	58.66	768.00
C7	07°55'25"	107.59	53.88	778.00
C8	06°09'27"	83.61	41.85	778.00



SCALE (1 IN FEET)
0 25 50 100



DALLAS AREA RAPID TRANSIT PROPERTY ACQUISITION CORPORATION VOL. 91008 PG. 1390 D.C.D.R.

DALLAS AREA RAPID TRANSIT VOL. 96999, PG. 05197 D.C.D.R.

TOWN OF ADDISON VOL. 93243 PG. 6422 D.C.D.R.

ARAPAHO ROAD (REALIGNED ROADWAY BY OTHERS)

QUORUM CENTER LTD. P/S VOL. 92038, PG. 0247 D.C.D.R.

SOUTHWESTERN BELL TELEPHONE COMPANY VOL. 86207 PG. 3192 D.C.D.R.

MCM COMPANY VOL. 78212, PG. 3704 VOL. 84133, PG. 0532 VOL. 82179, PG. 1554 VOL. 82179, PG. 1559 D.C.D.R.

MCLEAN TRACT ADDITION VOL. 82005 PG. 2784 D.C.D.R.

QUORUM CENTRE ADDITION VOL. 84067, PG. 05718 D.C.D.R.

General Description of Contents
This document contains the boundary and topographic information for the Addison Transit Center project. It includes all necessary data for the construction of the center, including the location of the center, the boundaries of the center, and the topographic information of the center. The information is based on the survey data provided to the engineer and is subject to the accuracy of the survey data.

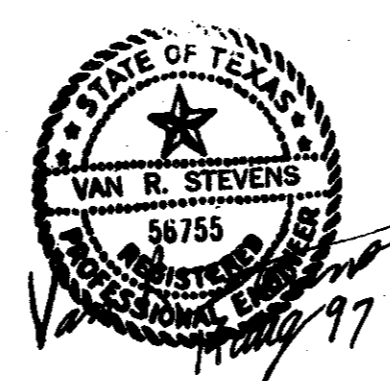
Tom Kadek
PRESIDENT

Wendy Lopez
7-7-99

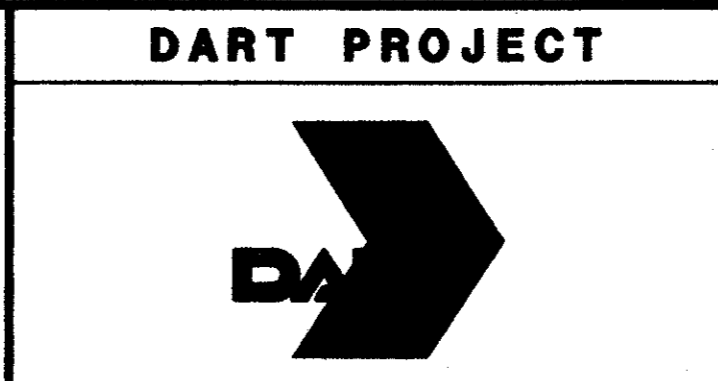
CONFORMED

CONTRACT SHEET No. 7 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWMAN
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON



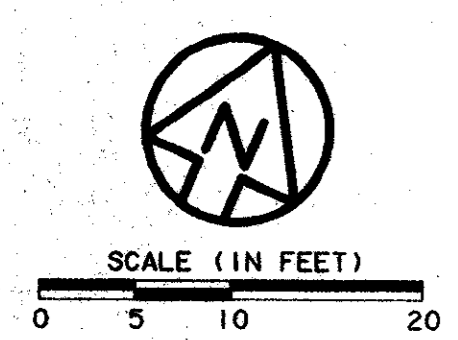
SCALE 1"=50'
DRAWN D. KRUCIAK
DESIGNED P. ZHAO
CHECKED V. STEVENS
IN CHARGE V. STEVENS
DATE 14. AUG. 1997

ADDISON TRANSIT CENTER BOUNDARY TOPOGRAPHIC PLAN

CONTRACT C-97000136 DWG No. RC1-0001 REV 0

25 AUG 97
DART-TBL
\$(USER)

2000-108 ON 9AD



CONTROL POINT
FOUND PK NAIL
N:4647.71
E:3895.33

CONTROL POINT
FOUND PK NAIL
N:4740.34
E:3895.54

CONTROL POINT
FOUND PK NAIL
N:4685.95
E:3895.50

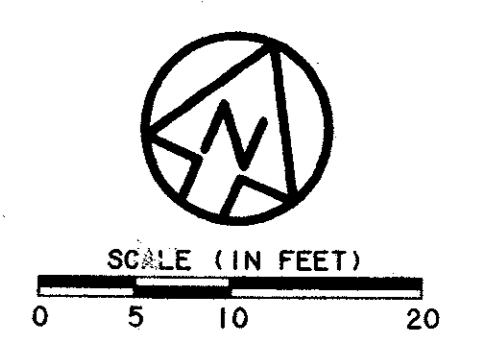
CONTROL POINT
FOUND IRON ROD
N:4660.77
E:3925.24

01 DETAIL
RC1-0001 SCALE: 1" = 10'

EXISTING RAIL LINE

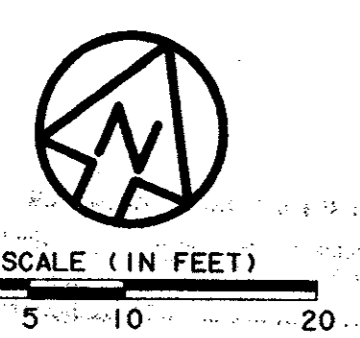
EXISTING RAIL LINE

FOUND IRON ROD
N:5167.24
E:4999.47



LEGEND
FIR=FOUND IRON ROD
FPK=FOUND PK NAIL
PK=THE MANUFACTURER'S
NAME FOR A SURVEY NAIL.

02 DETAIL
RC1-0001 SCALE: 1" = 10'



CONTROL POINT
FOUND "X" IN CONC.
N:4533.29
E:3939.43

CONTROL POINT
FOUND "X" IN CONC.
N:4576.07
E:3924.73

CONTROL POINT
FOUND "X" IN CONC.
N:4557.26
E:3944.60

03 DETAIL
RC1-0001 SCALE: 1" = 10'

ARAPAHO ROAD
(REALIGNED ROADWAY
BY OTHERS)

CONTROL POINT
FOUND IRON ROD
N:5000.00
E:5000.00

CONTROL POINT
FOUND IRON ROD
N:4980.50
E:4985.73

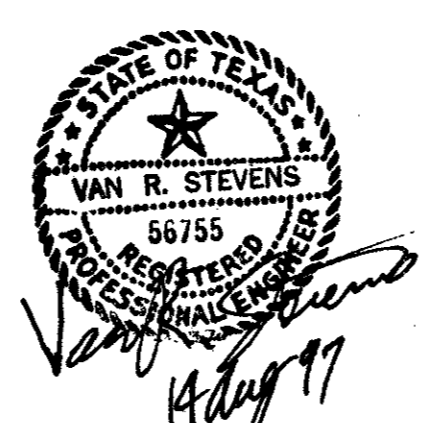
04 DETAIL
RC1-0001 SCALE: 1" = 10'

CONFORMED

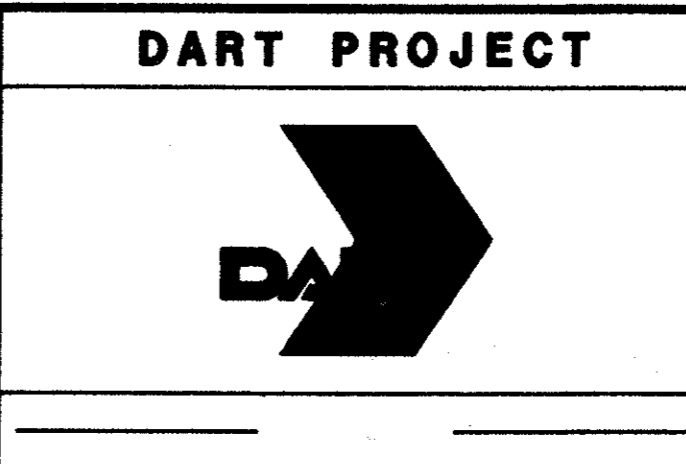
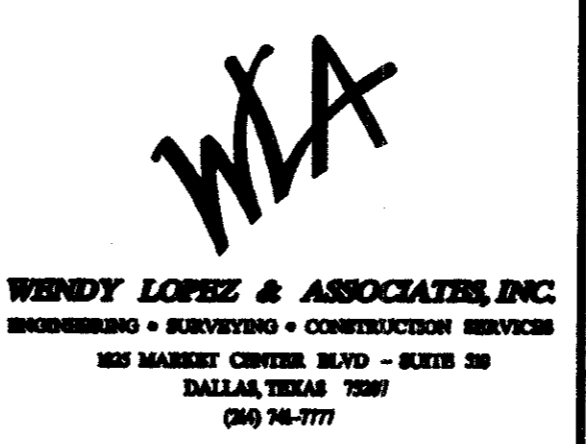
CONTRACT SHEET No. 8 OF 95

**ADDISON
TRANSIT CENTER
SURVEY MONUMENT
CONTROL**

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



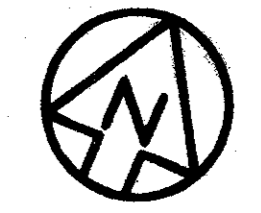
WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWNAM
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON



SCALE	1"=10'
DRAWN	D. KRUCIAK
DESIGNED	P. ZHAO
CHECKED	V. STEVENS
IN CHARGE	V. STEVENS
DATE	AUG. 14, 1997

CONTRACT C-97000136 DWG No. RC1-0002 REV 0

DWG No. RC2-0001



SCALE (IN FEET)
0 20 40 80

BROADWAY STREET

EXISTING RAIL LINE

RR TRACKS

ARAPAHO ROAD (PROPOSED 84' R.O.W.)
(REALIGNED ROADWAY BY OTHERS)

QUORUM DRIVE (80' R.O.W.)

ARAPAHO ROAD
(R.O.W. VARIES)

BENCHMARKS
TBM-1
60d NAIL IN UTILITY POLE
AT THE SOUTHEAST CORNER
OF JULIAN AND BROADWAY
ELEV.=632.50

TBM-2
"I" CUT ON SOUTHEAST CORNER
OF CONCRETE WALK AT FRONT
ENTRANCE TO 4805 ARAPAHO ROAD.
ELEV.=630.61

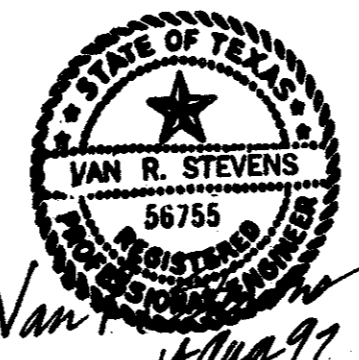
- NOTES:
- 1.) THE EXIST. BLDG., BLDG. PAD & CONC. PVMT. WILL BE REMOVED BY SEPARATE CONTRACT PRIOR TO THIS CONTRACT.
 - 2.) SOIL BORINGS B-1 THRU B-7 ARE IN A GEOTECHNICAL INVESTIGATION PERFORMED BY MAXIM TECHNOLOGIES, INC. COPIES OF REPORT ARE AVAILABLE FROM DART.

CONFORMED

CONTRACT SHEET No. 9 OF 95

ADDISON
TRANSIT CENTER
EXISTING
TOPOGRAPHIC
PLAN

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWNAM
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
205 MARKET CENTER BLVD - SUITE 20
DALLAS, TEXAS 75207
(214) 746-7777

DART PROJECT

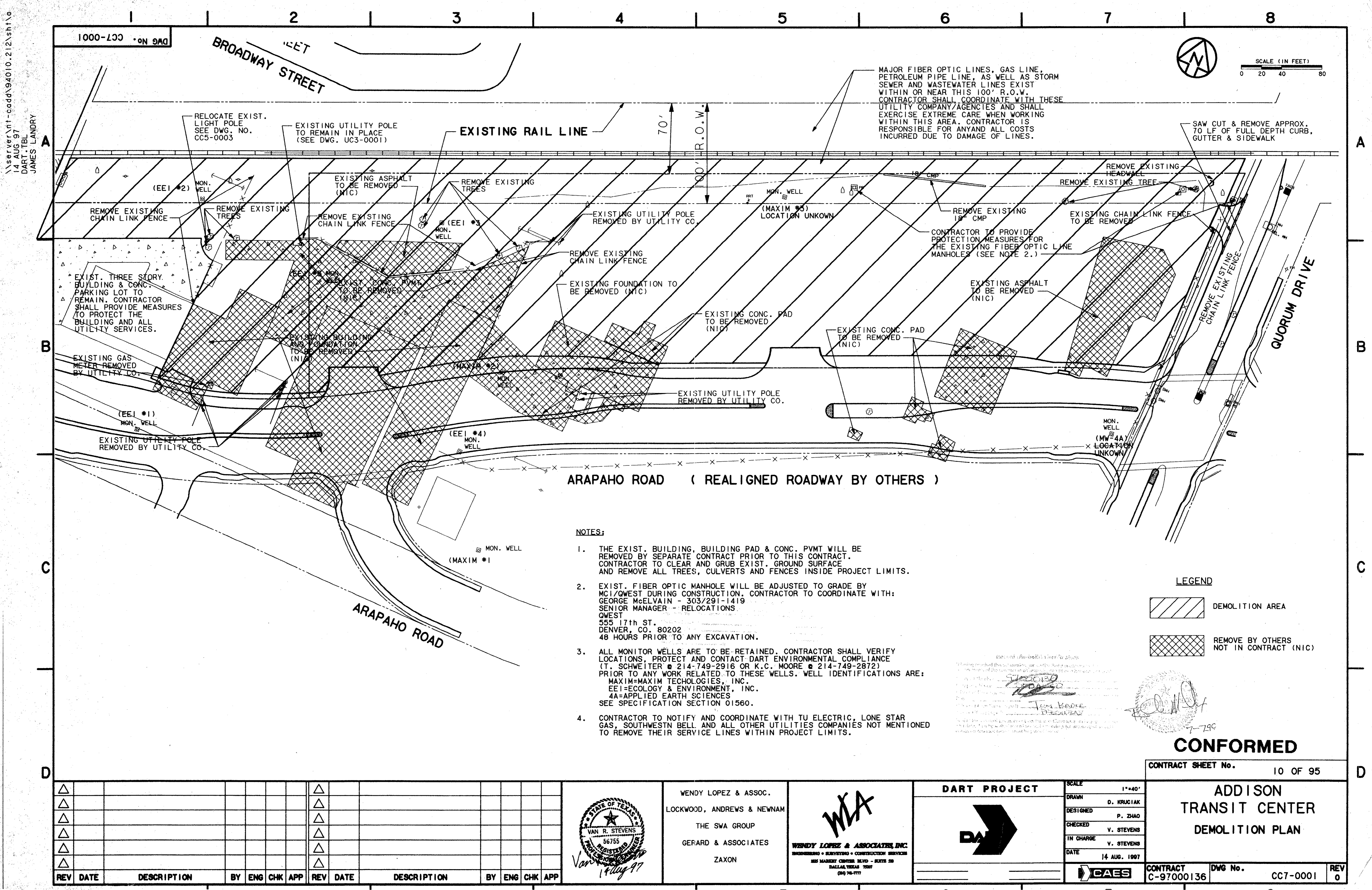
SCALE	1"=40'
DRAWN	D. KRUCIAK
DESIGNED	P. ZHAO
CHECKED	V. STEVENS
IN CHARGE	V. STEVENS
DATE	14 AUG. 1997

CONTRACT C-97000136 DWG No. RC2-0001 REV 0

13 AUG 97
DART, TBL
JAMES LANDRY

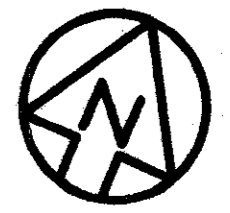
Tom Hank
RESIDENT

7-7-99



\\server\nt-cadd\94010.212\sh\1\14
 14 AUG 97
 DART.TBL
 JAMES LANDRY

1000-100 ON GMD



SCALE (IN FEET)
 0 20 40 80

MAJOR FIBER OPTIC LINES, GAS LINE, PETROLEUM PIPE LINE, AS WELL AS STORM SEWER AND WASTEWATER LINES EXIST WITHIN OR NEAR THIS 100' R.O.W. CONTRACTOR SHALL COORDINATE WITH THESE UTILITY COMPANY/AGENCIES AND SHALL EXERCISE EXTREME CARE WHEN WORKING WITHIN THIS AREA. CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL COSTS INCURRED DUE TO DAMAGE OF LINES.

SAW CUT & REMOVE APPROX. 70 LF OF FULL DEPTH CURB, GUTTER & SIDEWALK

ARAPAHO ROAD (REALIGNED ROADWAY BY OTHERS)

NOTES:

1. THE EXIST. BUILDING, BUILDING PAD & CONC. PVMT WILL BE REMOVED BY SEPARATE CONTRACT PRIOR TO THIS CONTRACT. CONTRACTOR TO CLEAR AND GRUB EXIST. GROUND SURFACE AND REMOVE ALL TREES, CULVERTS AND FENCES INSIDE PROJECT LIMITS.
2. EXIST. FIBER OPTIC MANHOLE WILL BE ADJUSTED TO GRADE BY MCI/QWEST DURING CONSTRUCTION. CONTRACTOR TO COORDINATE WITH: GEORGE McELVAIN - 303/291-1419 SENIOR MANAGER - RELOCATIONS QWEST 555 17th ST. DENVER, CO. 80202 48 HOURS PRIOR TO ANY EXCAVATION.
3. ALL MONITOR WELLS ARE TO BE RETAINED. CONTRACTOR SHALL VERIFY LOCATIONS, PROTECT AND CONTACT DART ENVIRONMENTAL COMPLIANCE (T. SCHWEITER @ 214-749-2916 OR K.C. MOORE @ 214-749-2872) PRIOR TO ANY WORK RELATED TO THESE WELLS. WELL IDENTIFICATIONS ARE:
 MAXIM-MAXIM TECHNOLOGIES, INC.
 EE1-ECOLOGY & ENVIRONMENT, INC.
 4A-APPLIED EARTH SCIENCES
 SEE SPECIFICATION SECTION 01560.
4. CONTRACTOR TO NOTIFY AND COORDINATE WITH TU ELECTRIC, LONE STAR GAS, SOUTHWESTN BELL AND ALL OTHER UTILITIES COMPANIES NOT MENTIONED TO REMOVE THEIR SERVICE LINES WITHIN PROJECT LIMITS.

LEGEND

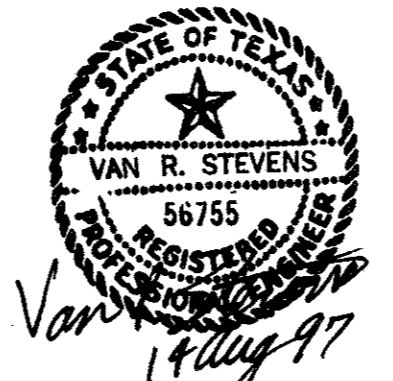
- DEMOLITION AREA
- REMOVE BY OTHERS NOT IN CONTRACT (NIC)

CONFORMED

CONTRACT SHEET No. 10 OF 95

**ADDISON
 TRANSIT CENTER
 DEMOLITION PLAN**

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



WENDY LOPEZ & ASSOC.
 LOCKWOOD, ANDREWS & NEWMAN
 THE SWA GROUP
 GERARD & ASSOCIATES
 ZAXON

WLA
WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 285 MARKET CENTER BLVD - SUITE 20
 DALLAS, TEXAS 75201
 (214) 748-7777

DART PROJECT

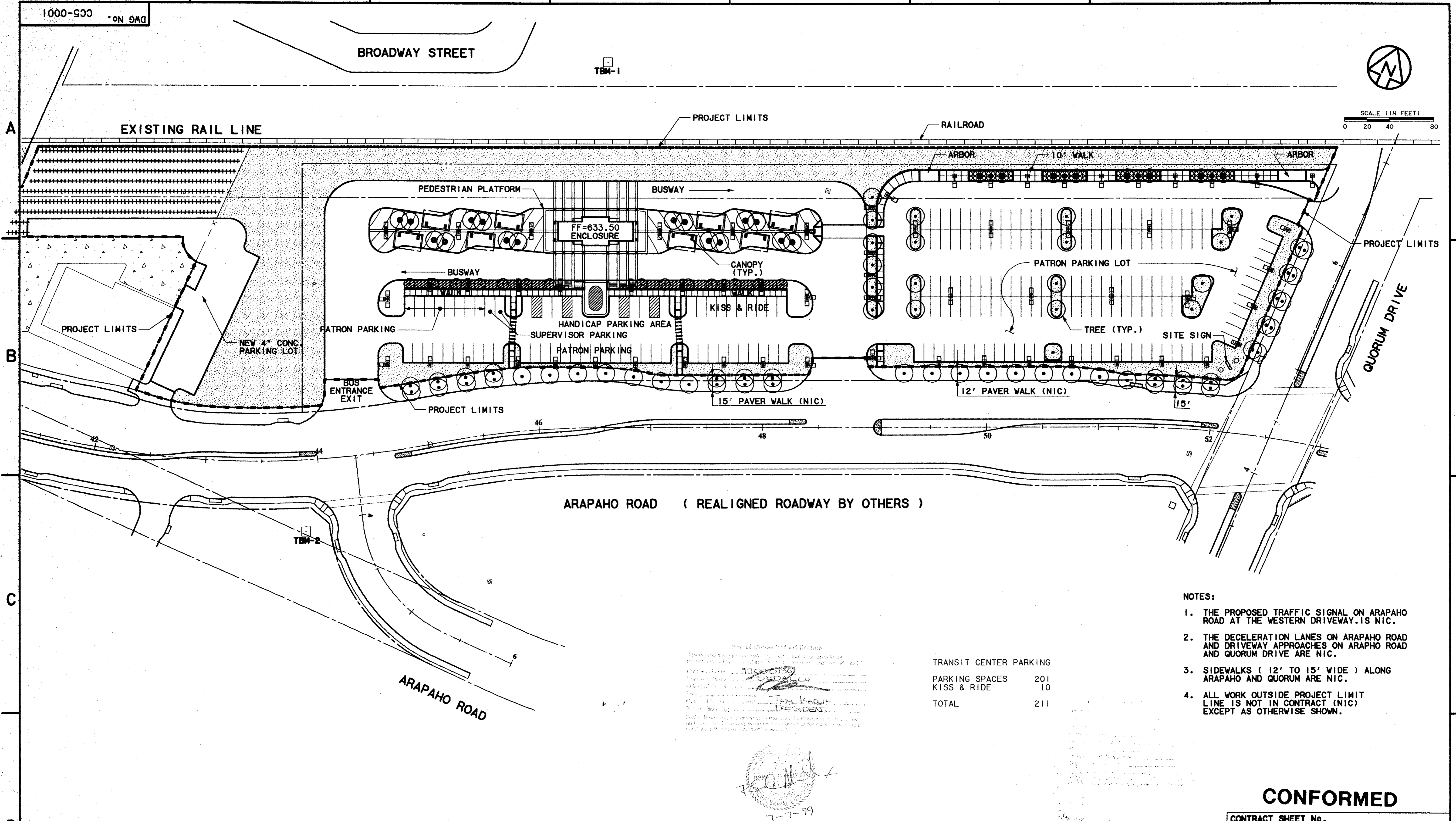
SCALE 1"=40'
 DRAWN D. KRUCIAK
 DESIGNED P. ZHAO
 CHECKED V. STEVENS
 IN CHARGE V. STEVENS
 DATE 14 AUG. 1997



CONTRACT C-97000136 DWG No. CC7-0001 REV 0

c:\cadd\94010.212\shf\abtcsp01
02 MAR 98
DART.TBL
\$(USER)

1000-000 DWG No.



SCALE (IN FEET)
0 20 40 80

ARAPAHO ROAD (REALIGNED ROADWAY BY OTHERS)

- NOTES:
1. THE PROPOSED TRAFFIC SIGNAL ON ARAPAHO ROAD AT THE WESTERN DRIVEWAY IS NIC.
 2. THE DECELERATION LANES ON ARAPAHO ROAD AND DRIVEWAY APPROACHES ON ARAPHO ROAD AND QUORUM DRIVE ARE NIC.
 3. SIDEWALKS (12' TO 15' WIDE) ALONG ARAPAHO AND QUORUM ARE NIC.
 4. ALL WORK OUTSIDE PROJECT LIMIT LINE IS NOT IN CONTRACT (NIC) EXCEPT AS OTHERWISE SHOWN.

TRANSIT CENTER PARKING

PARKING SPACES	201
KISS & RIDE	10
TOTAL	211

7-7-99

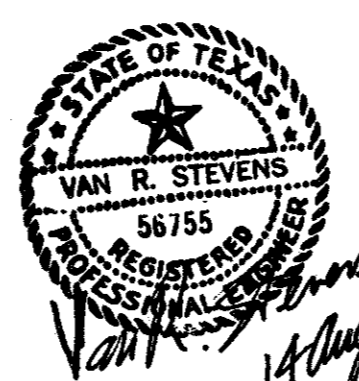
Tom Kader
RESIDENT

CONFORMED

CONTRACT SHEET No. 11 OF 95

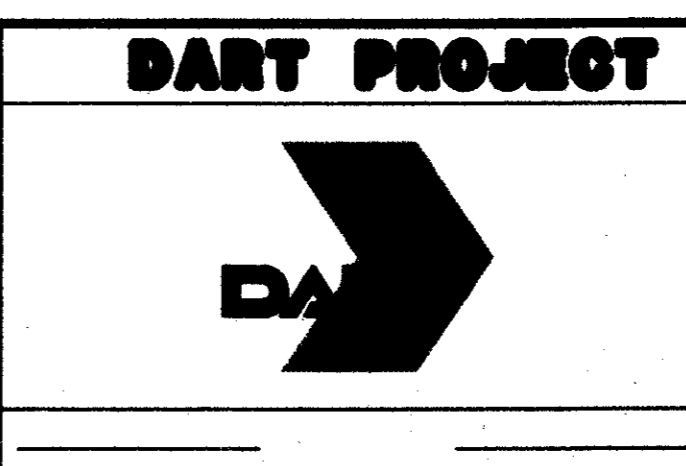
**ADDISON
TRANSIT CENTER
SITE PLAN**

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWNAM
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON

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WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
822 MARKET CENTER BLVD - SUITE 20
DALLAS, TEXAS 75207
(214) 76-7777



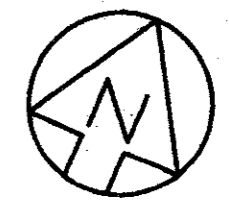
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DRAWN D. KRUCIAK
DESIGNED P. ZHAO
CHECKED V. STEVENS
IN CHARGE V. STEVENS
DATE AUG. 14, 1997



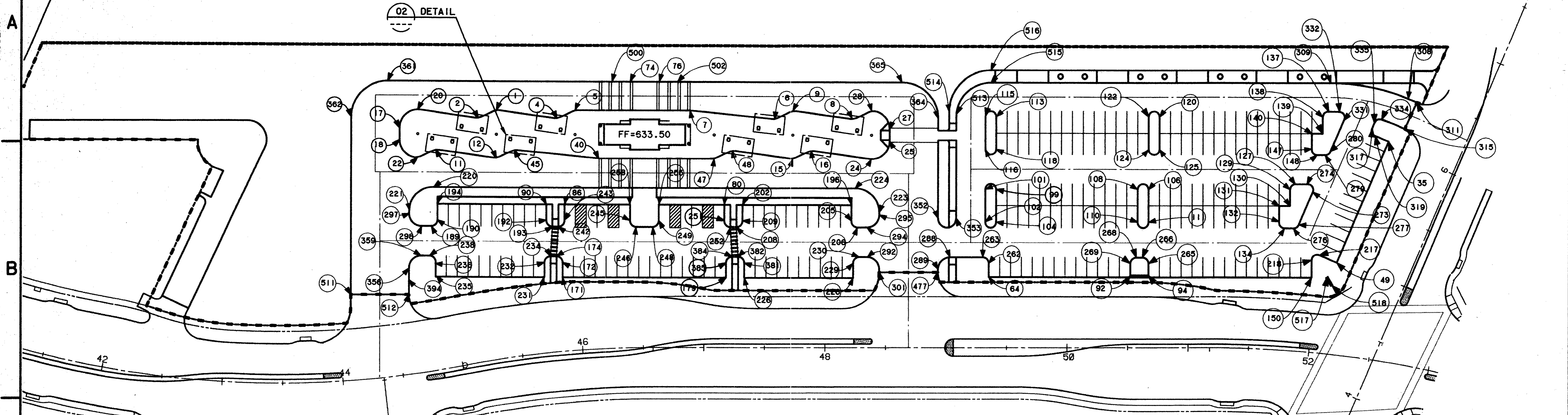
CONTRACT C-97000136 DWG No. CC5-0001 REV 0

14 AUG 97
 DART.TBL
 \$(USER)

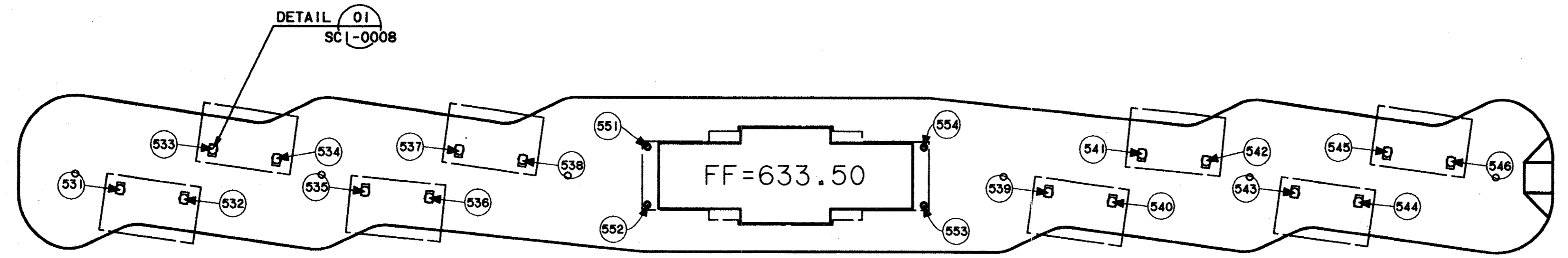
1000-200 DWG No. CC2-000



SCALE (IN FEET)
 0 20 40 80



HORIZONTAL CONTROL PLAN (01)
 SCALE: 1"=40'



PEDESTRAIN PLATFORM (02)
 SCALE: 1"=20'

CONFORMED

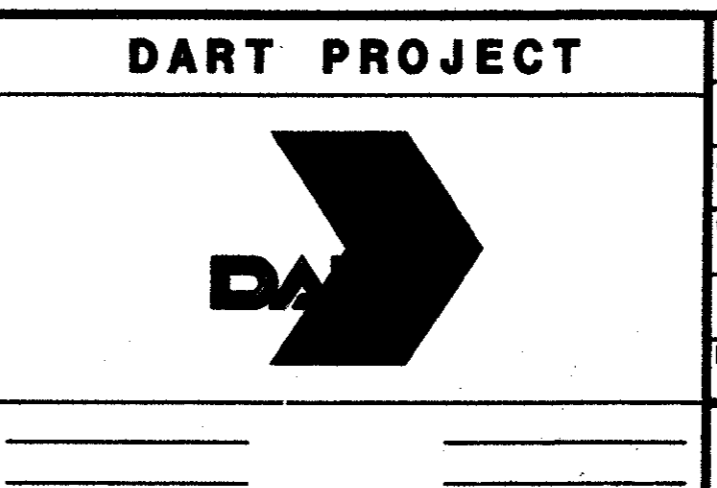
- NOTE:
1. REFER TO DWG. CC2-0002 FOR COORDINATE TABLE.
 2. A POINT TO THE CENTER OF A CURVE REFERS TO A POINT OF INTERSECTION.
 3. REFER TO CC6-0002 FOR THE CURVE POINT OF INTERSECTION.
 4. REFER TO RC1-0002 FOR THE EXIST. SURVEY MONUMENTS TO ESTABLISH FACILITIES LAYOUT.

CONTRACT SHEET No. 12 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP

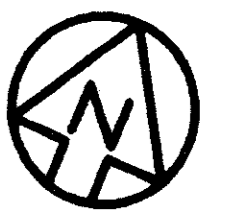


WENDY LOPEZ & ASSOC.
 LOCKWOOD, ANDREWS & NEWNAM
 THE SWA GROUP
 GERARD & ASSOCIATES
 ZAXON



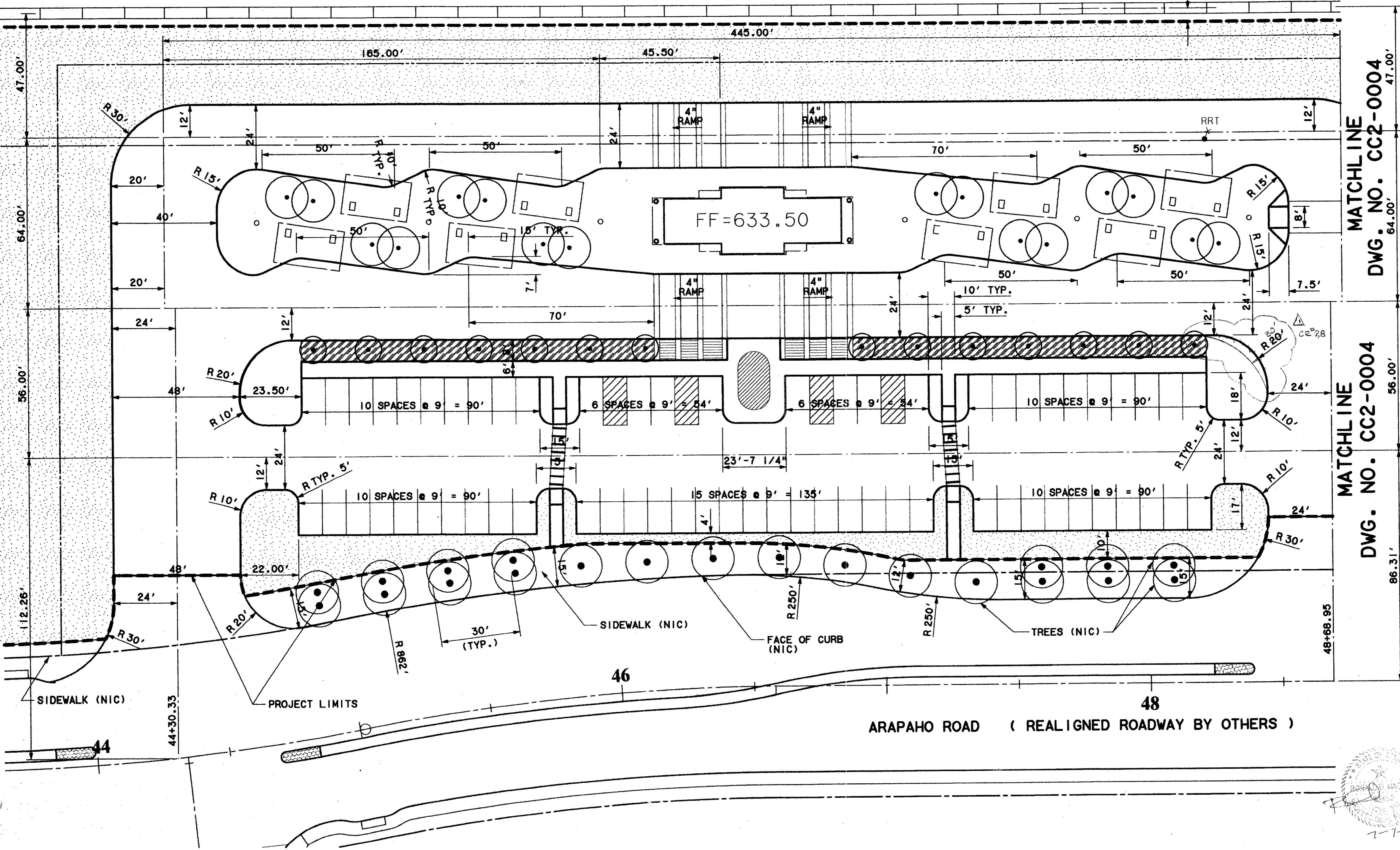
SCALE 1"=40'
 DRAWN D. KRUCIAK
 DESIGNED P. ZHAO
 CHECKED V. STEVENS
 IN CHARGE V. STEVENS
 DATE 14 AUG. 1997

ADDISON TRANSIT CENTER
HORIZONTAL CONTROL PLAN
 CONTRACT C-97000136 DWG No. CC2-0001 REV 0



SCALE (IN FEET)
0 10 20 40

EXISTING RAIL LINE



MATCHLINE
DWG. NO. CC2-0004

MATCHLINE
DWG. NO. CC2-0004

NOTES:

1. ALL WORK TO BE DONE BY THIS CONTRACTOR IS DELINEATED BY PROJECT LIMITS.
2. ALL DIMENSIONS TO CURBS ARE TO FACE OF CURB.
3. ALL WORK OUTSIDE PROJECT LIMIT LINE ARE NOT IN CONTRACT (NIC) UNLESS OTHERWISE SHOWN.
4. FOR BUS BAY LENGTH REFER TO DETAIL 3/CC6-0002.

CONFORMED

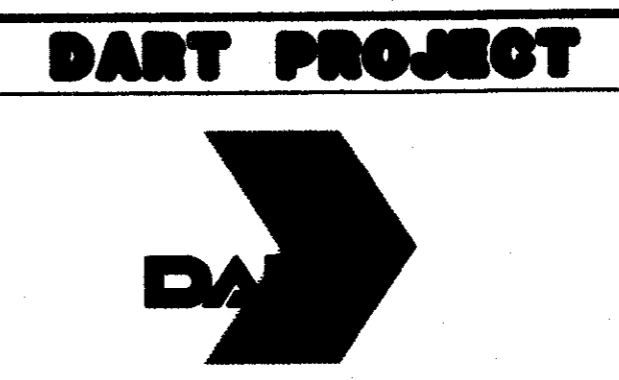
CONTRACT SHEET No. 14 OF 95

**ADDISON
TRANSIT CENTER
PAVING DIMENSIONS**

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
△	8/30/99	RECORD (AS-BUILT) DRAWINGS		SLM		SLM	△						
△							△						
△							△						
△							△						
△							△						



WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWMAN
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON



SCALE	1"=20'
DRAWN	D. KRUCIAK
DESIGNED	P. ZHAO
CHECKED	V. STEVENS
IN CHARGE	V. STEVENS
DATE	AUG. 14, 1997

CONTRACT C-97000136 DWG No. CC2-0003 REV 0

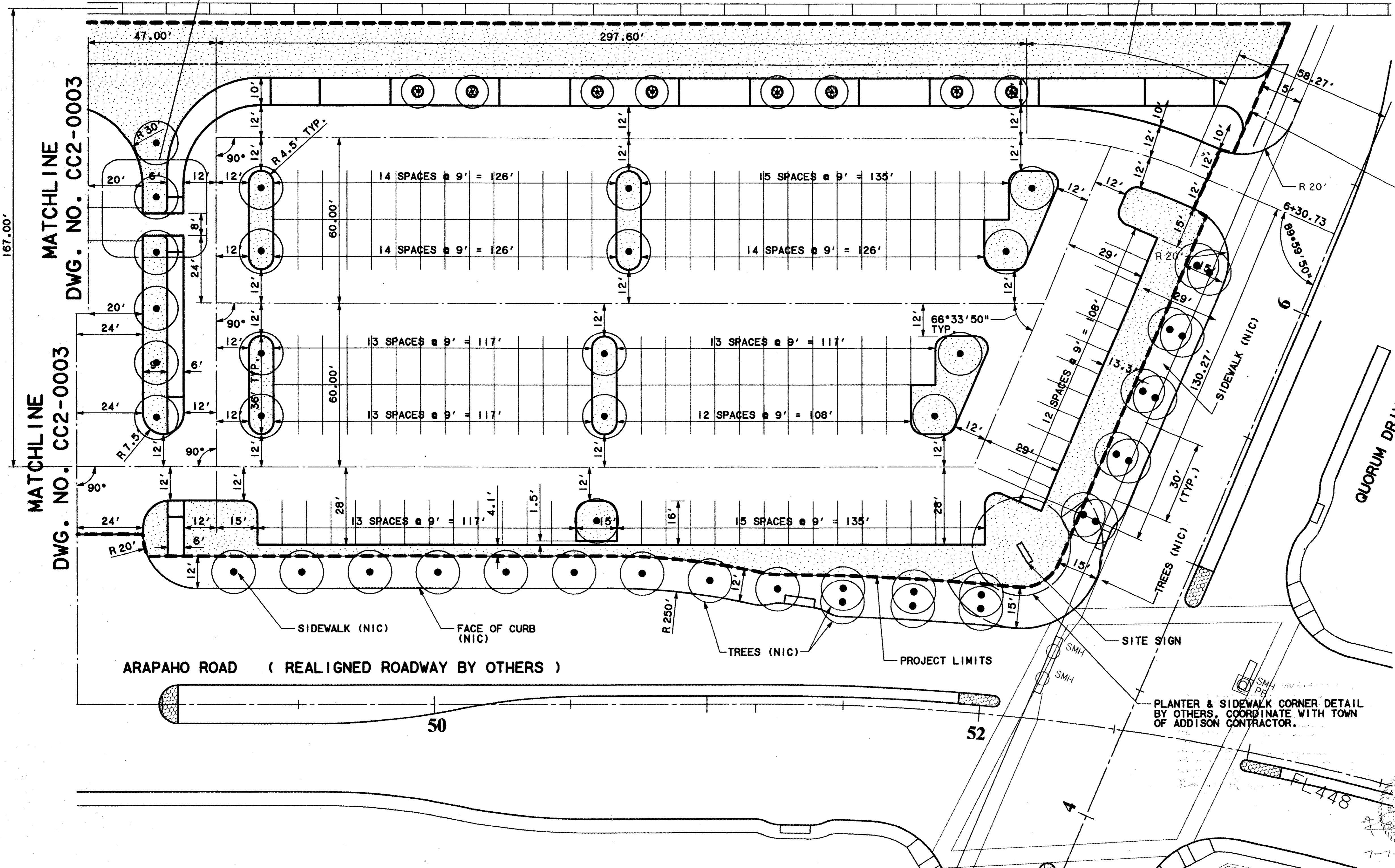


SCALE (IN FEET)
0 20 40 80

A = 23°20'18.5"
R = 150.00'
L = 61.10'
T = 30.98'

DETAIL 02
CC6-0002

EXISTING RAIL LINE



1. ALL WORK TO BE DONE BY THIS CONTRACTOR IS DELINEATED BY PROJECT LIMITS.
2. ALL DIMENSIONS TO CURBS ARE TO FACE OF CURB.
3. ALL WORK OUTSIDE PROJECT LIMIT LINE ARE NOT IN CONTRACT (NIC) UNLESS OTHERWISE SHOWN.

PLANTER & SIDEWALK CORNER DETAIL BY OTHERS, COORDINATE WITH TOWN OF ADDISON CONTRACTOR.

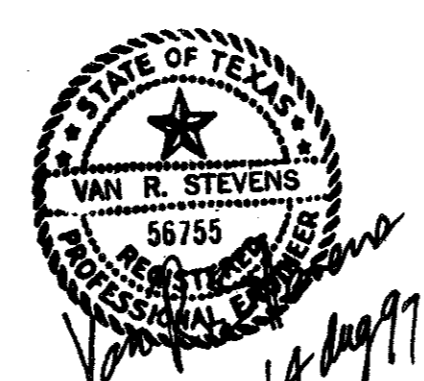
Second (Professional) Certification
I have checked this submission, and I certify that it complies with the requirements of the State of Texas, and I am a duly licensed Professional Engineer in the State of Texas.
7/20/99
TOM KADER
PRESIDENT

CONFORMED

CONTRACT SHEET No. 15 OF 95

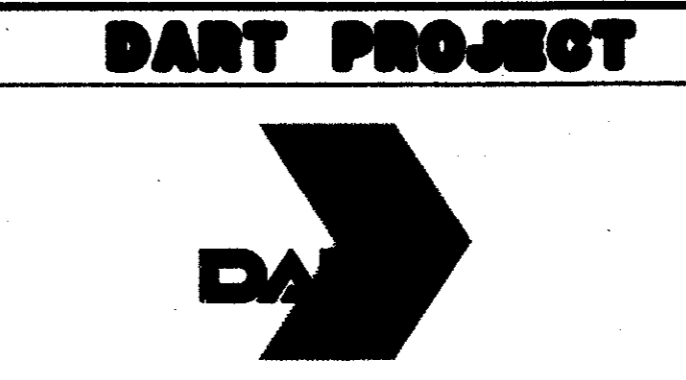
**ADDISON
TRANSIT CENTER
PAVING DIMENSIONS**

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWNAM
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON

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WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSULTATION SERVICES
2825 MARKET CENTER BLVD - SUITE 20
DALLAS, TEXAS 75207
(214) 746-7777



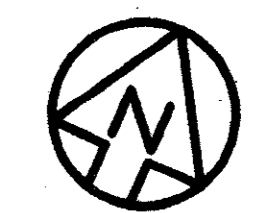
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DRAWN D. KRUCIAK
DESIGNED P. ZHAO
CHECKED V. STEVENS
IN CHARGE V. STEVENS
DATE AUG. 14, 1997



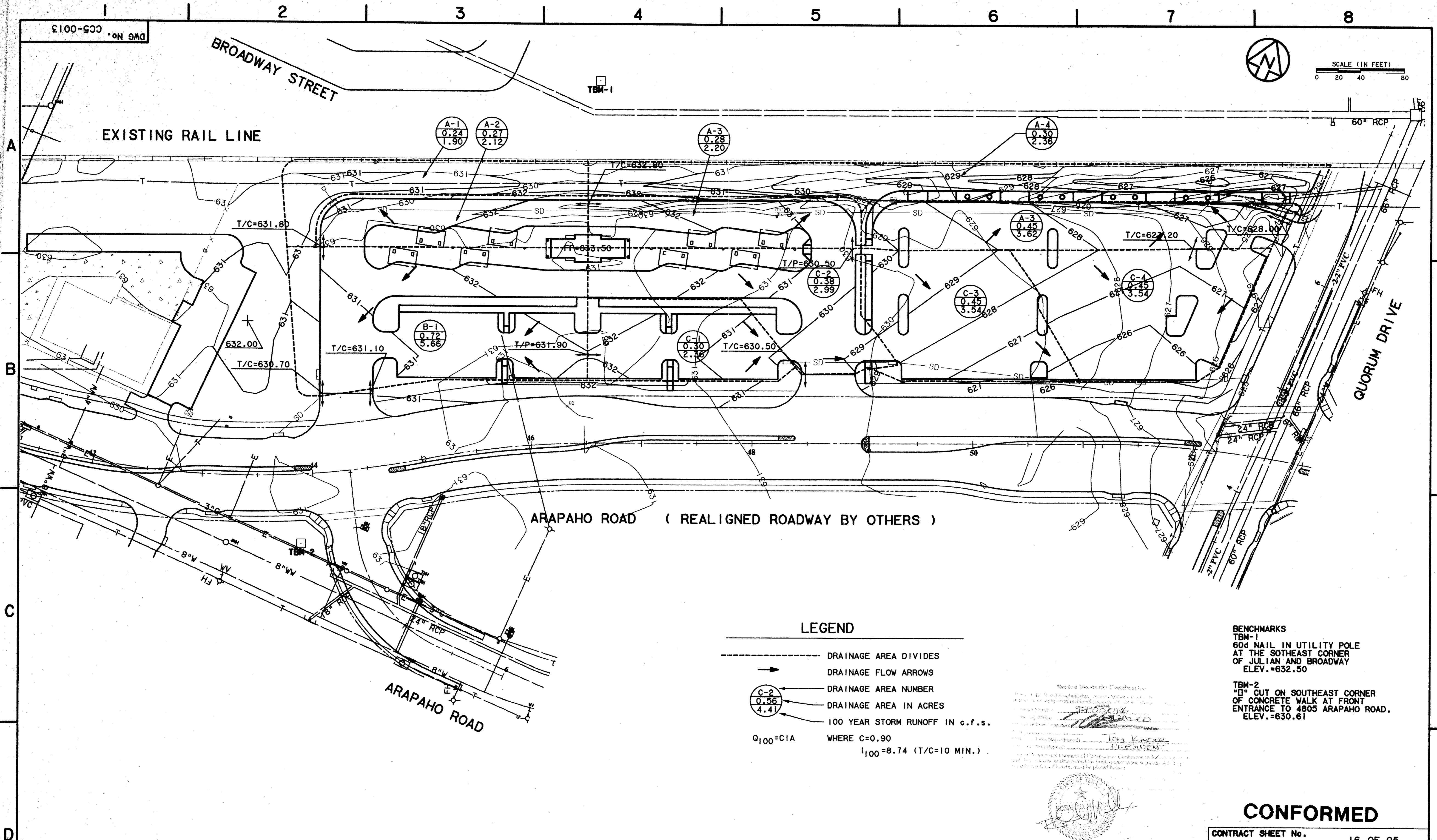
CONTRACT C-97000136 DWG No. CC2-0004 REV 0

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02 MAR 98
DART.TBL
\$(USER)

DWG No. C-9700136



SCALE (IN FEET)
0 20 40 80



LEGEND

- DRAINAGE AREA DIVIDES
 - DRAINAGE FLOW ARROWS
 - DRAINAGE AREA NUMBER
 - DRAINAGE AREA IN ACRES
 - 100 YEAR STORM RUNOFF IN c.f.s.
- $Q_{100} = CIA$ WHERE $C = 0.90$
 $I_{100} = 8.74$ (T/C = 10 MIN.)

BENCHMARKS
TBM-1
60d NAIL IN UTILITY POLE
AT THE SOUTHEAST CORNER
OF JULIAN AND BROADWAY
ELEV. = 632.50

TBM-2
"I" CUT ON SOUTHEAST CORNER
OF CONCRETE WALK AT FRONT
ENTRANCE TO 4805 ARAPAHO ROAD.
ELEV. = 630.61

Tom Kruciak
DESIGNER

CONFORMED

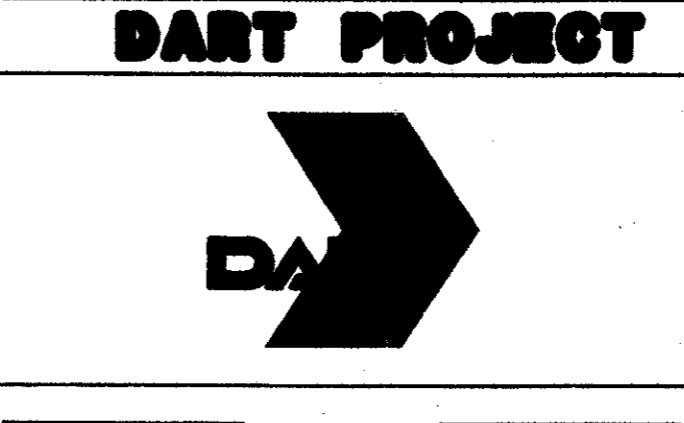
CONTRACT SHEET No. 16 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWMAN
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON

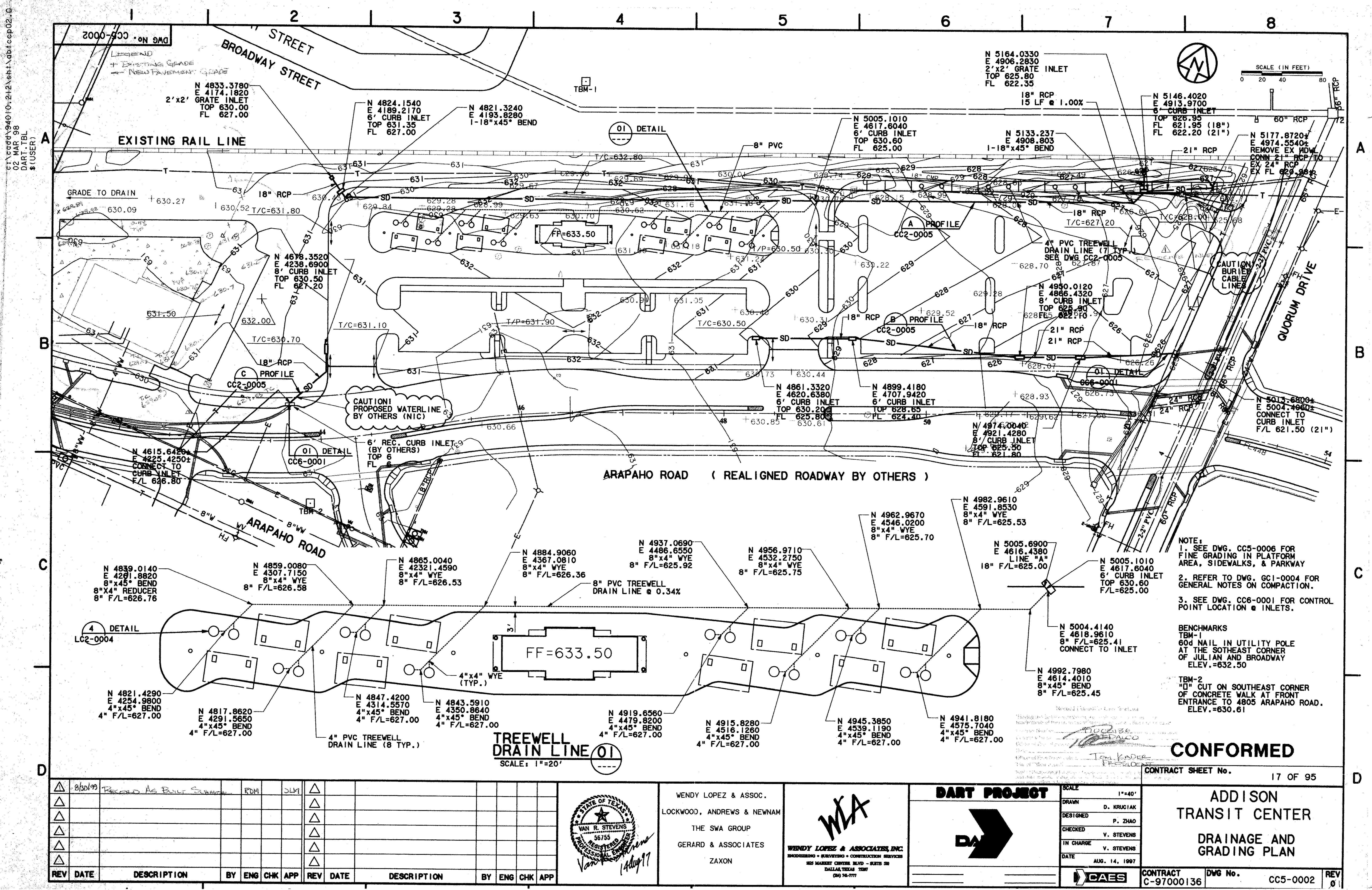
WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
1825 MARKET CENTER BLVD - SUITE 50
DALLAS, TEXAS 75207
(214) 748-7777



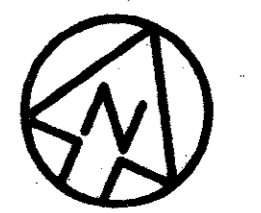
SCALE 1"=40'
DRAWN D. KRUCIAK
DESIGNED P. ZHAO
CHECKED V. STEVENS
IN CHARGE V. STEVENS
DATE AUG. 14, 1997

**ADDISON
TRANSIT CENTER
DRAINAGE AREA MAP**

CONTRACT C-97000136 DWG No. C-9700136 REV 0



N 5164.0330
E 4906.2830
2'x2' GRATE INLET
TOP 625.80
FL 622.35



SCALE (IN FEET)
0 20 40 80

01 DETAIL

A PROFILE
CC2-0005

B PROFILE
CC2-0005

C PROFILE
CC2-0005

CAUTION
PROPOSED WATERLINE
BY OTHERS (NIC)

NOTE:
1. SEE DWG. CC5-0006 FOR FINE GRADING IN PLATFORM AREA, SIDEWALKS, & PARKWAY
2. REFER TO DWG. GC1-0004 FOR GENERAL NOTES ON COMPACTION.
3. SEE DWG. CC6-0001 FOR CONTROL POINT LOCATION @ INLETS.

BENCHMARKS
TBM-1
60d NAIL IN UTILITY POLE AT THE SOUTHEAST CORNER OF JULIAN AND BROADWAY ELEV.=632.50

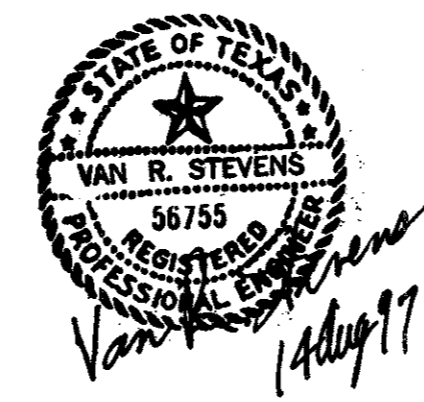
TBM-2
"D" CUT ON SOUTHEAST CORNER OF CONCRETE WALK AT FRONT ENTRANCE TO 4805 ARAPAHO ROAD. ELEV.=630.61

TREEWELL DRAIN LINE 01
SCALE: 1"=20'

CONFORMED

CONTRACT SHEET No. 17 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
△	8/30/99	Record As Built Summary		RDM		DLW							
△													
△													
△													
△													



WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWNAM
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
102 MARKET CENTER BLVD - SUITE 200
DALLAS, TEXAS 75201
(972) 76-7777

DART PROJECT

SCALE 1"=40'

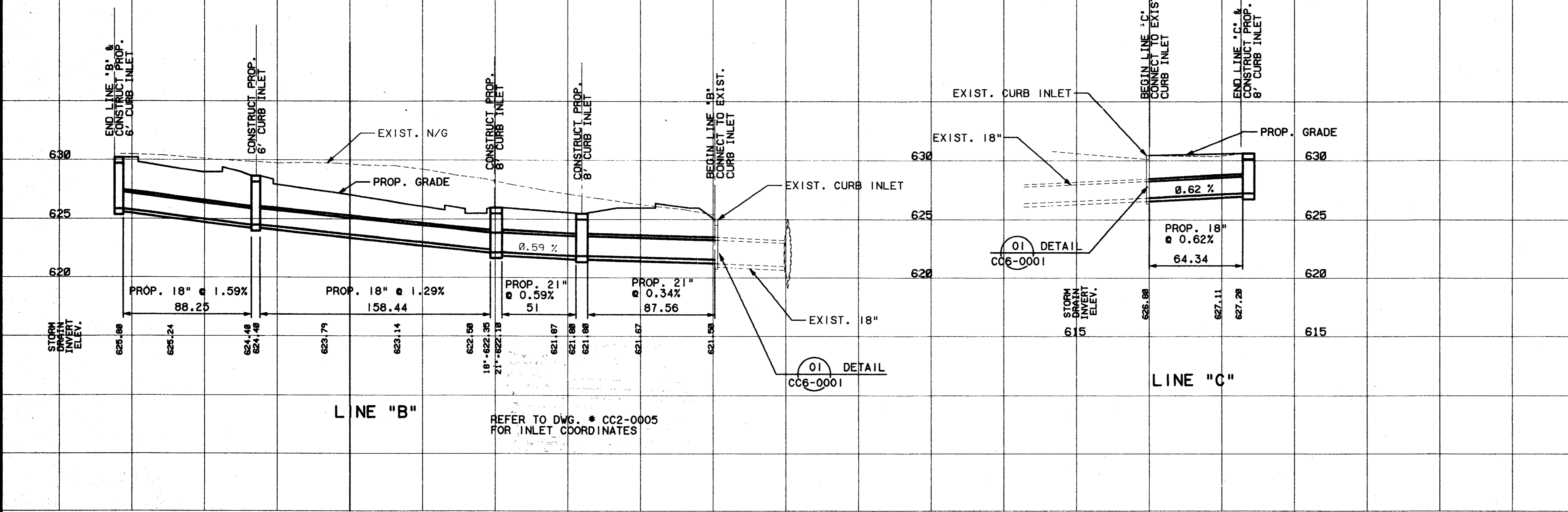
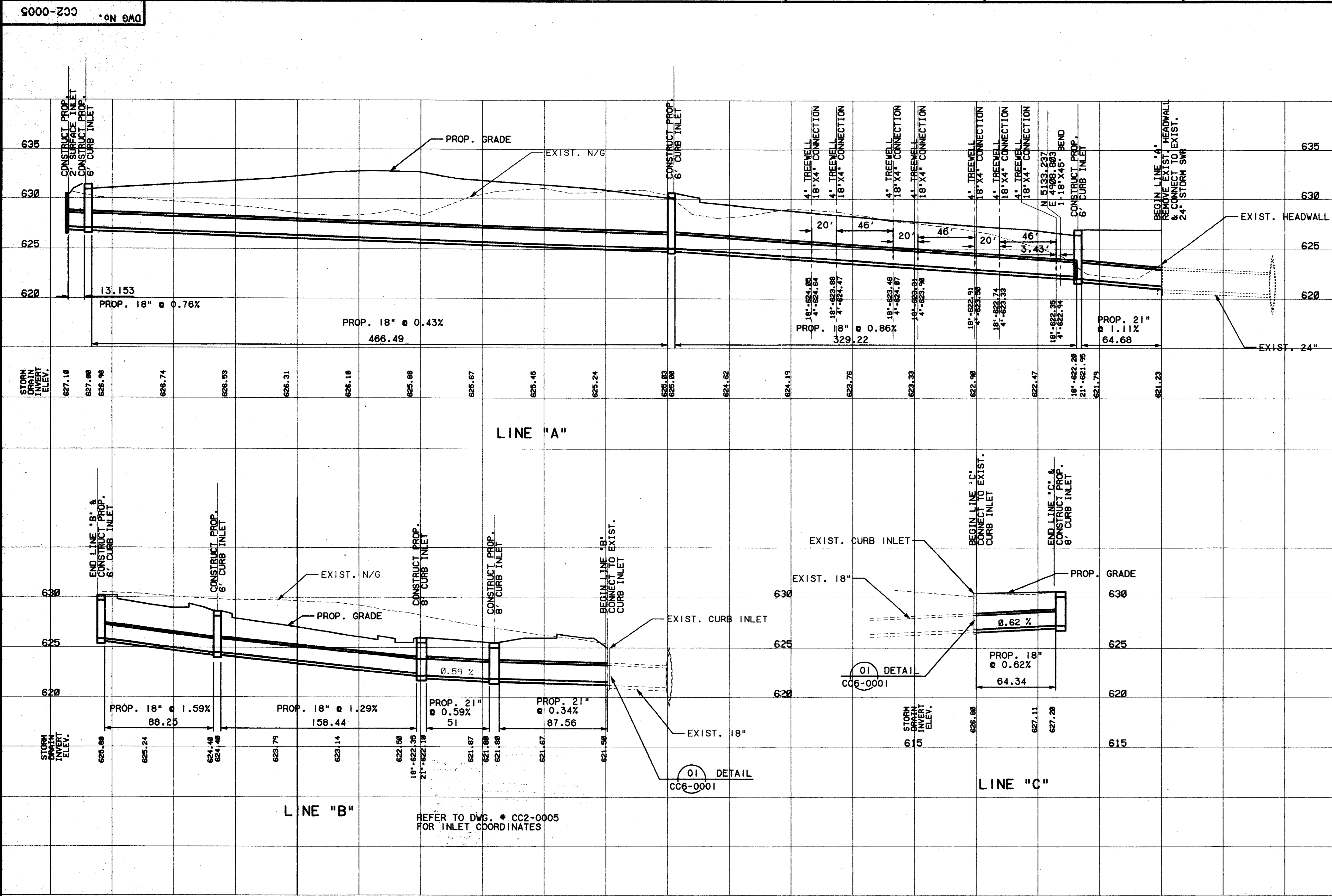
DRAWN D. KRUCIAK
DESIGNED P. ZHAO
CHECKED V. STEVENS
IN CHARGE V. STEVENS
DATE AUG. 14, 1997

CAES

ADDISON TRANSIT CENTER DRAINAGE AND GRADING PLAN

CONTRACT C-97000136 DWG No. CC5-0002 REV 01

\\server\nti-cadd\94010.212\sh\at
14-AUG-97
DART.TBL
JAMES LANDRY



[Signature]
7-7-97

Refer to this project's Contract Documents.
I, the undersigned, hereby certify that I am a duly Licensed Professional Engineer in the State of Texas, and that I am the author of the design and construction documents herein, and that I am not providing any professional services to anyone other than the client named herein, and that I am not providing any professional services to anyone other than the client named herein, and that I am not providing any professional services to anyone other than the client named herein.

97000136
D.M. KADLER
PRESIDENT

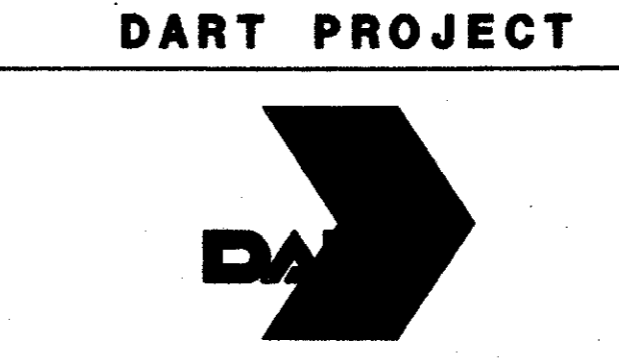
CONFORMED

CONTRACT SHEET No. 18 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWMAN
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON

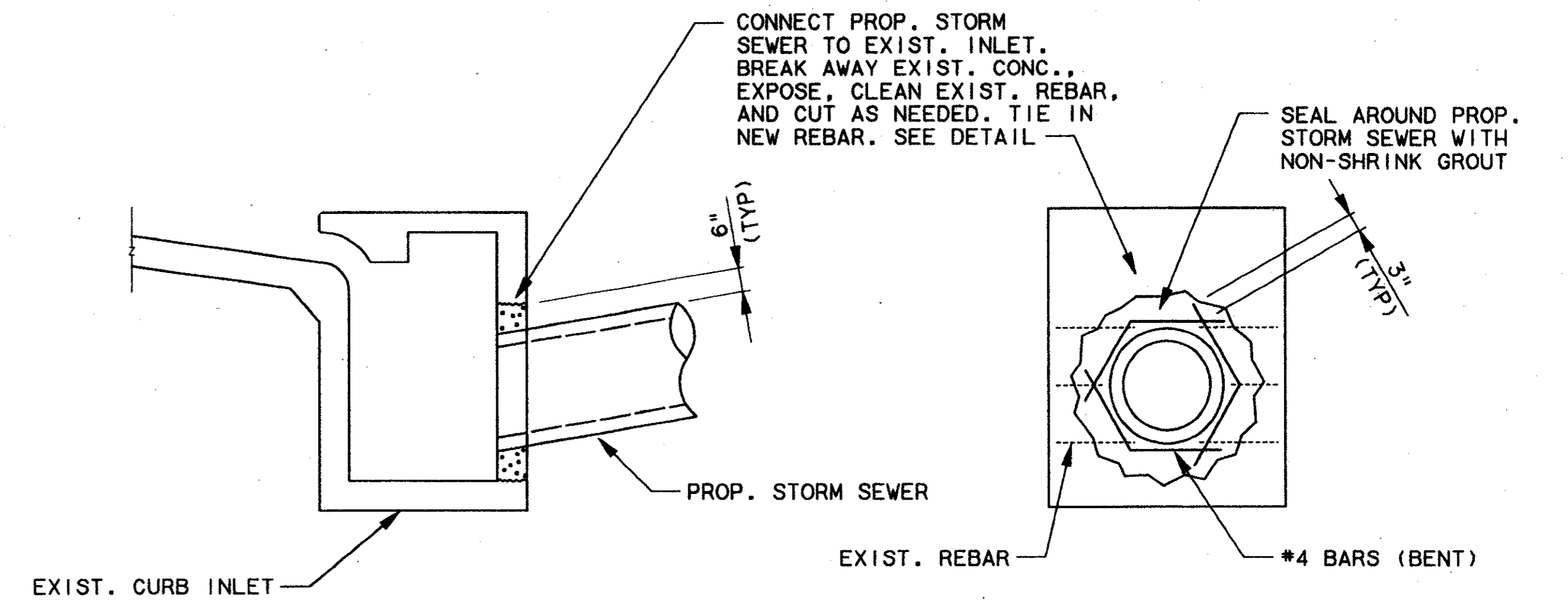
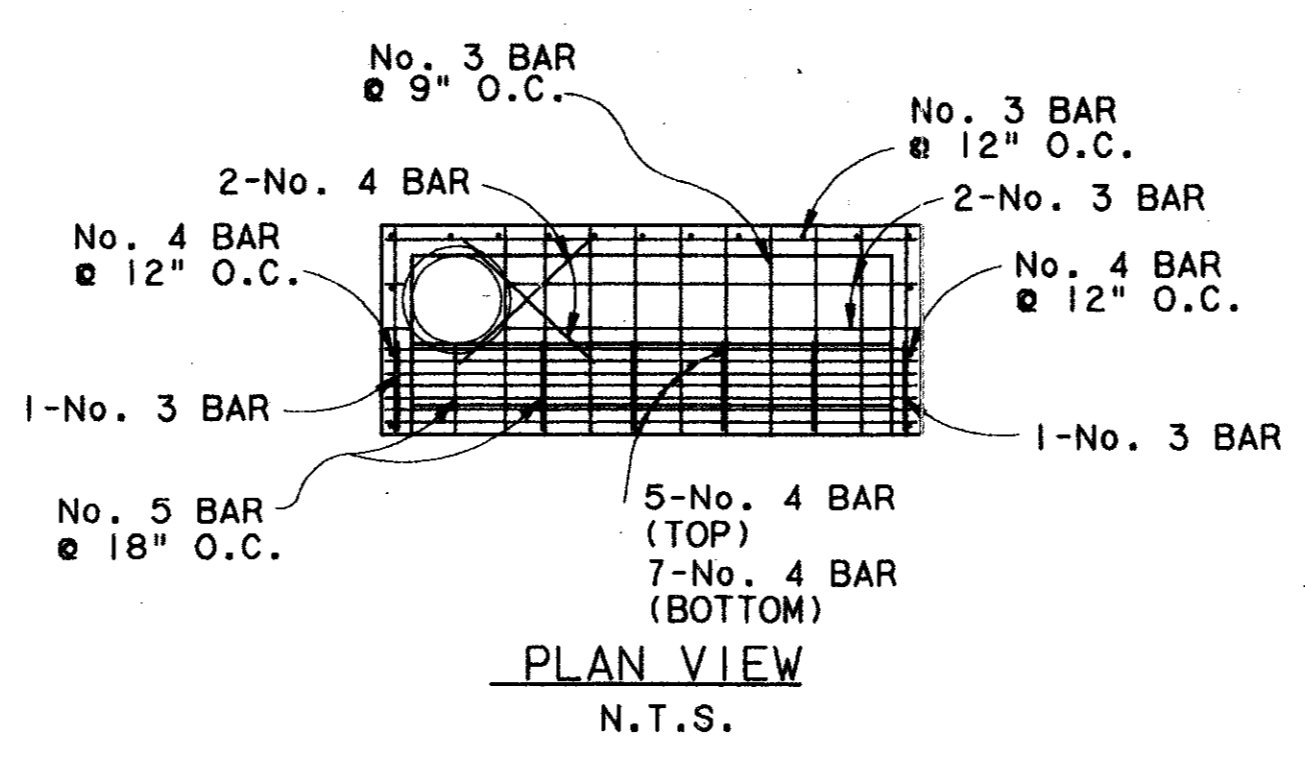
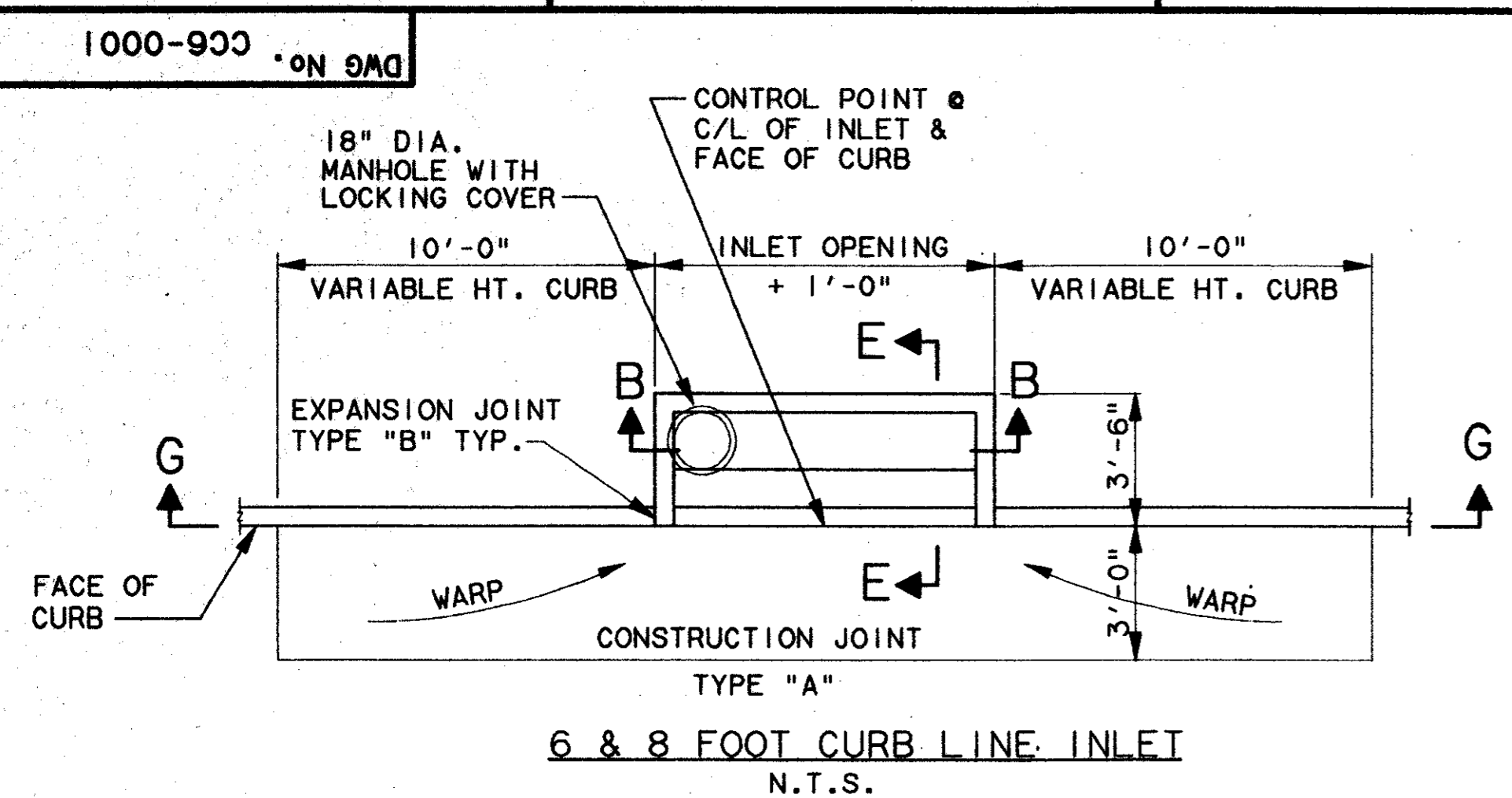


SCALE	1"=40'
DRAWN	D. KRUCIAK
DESIGNED	P. ZHAO
CHECKED	V. STEVENS
IN CHARGE	V. STEVENS
DATE	14-AUG-1997

**ADDISON
TRANSIT CENTER
STORM SEWER PROFILES**

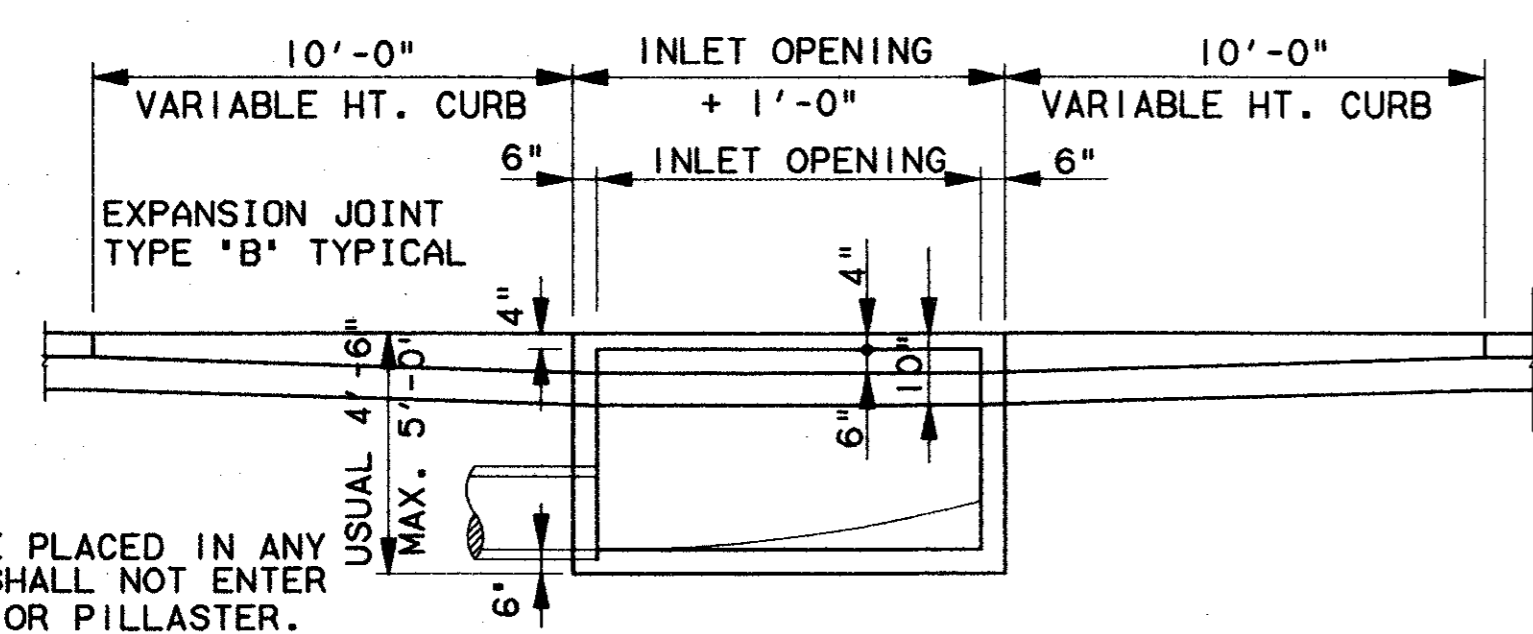
CONTRACT C-97000136 DWG No. CC2-0005 REV 0

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13 AUG 97
DART-TBL
JAMES LANDRY

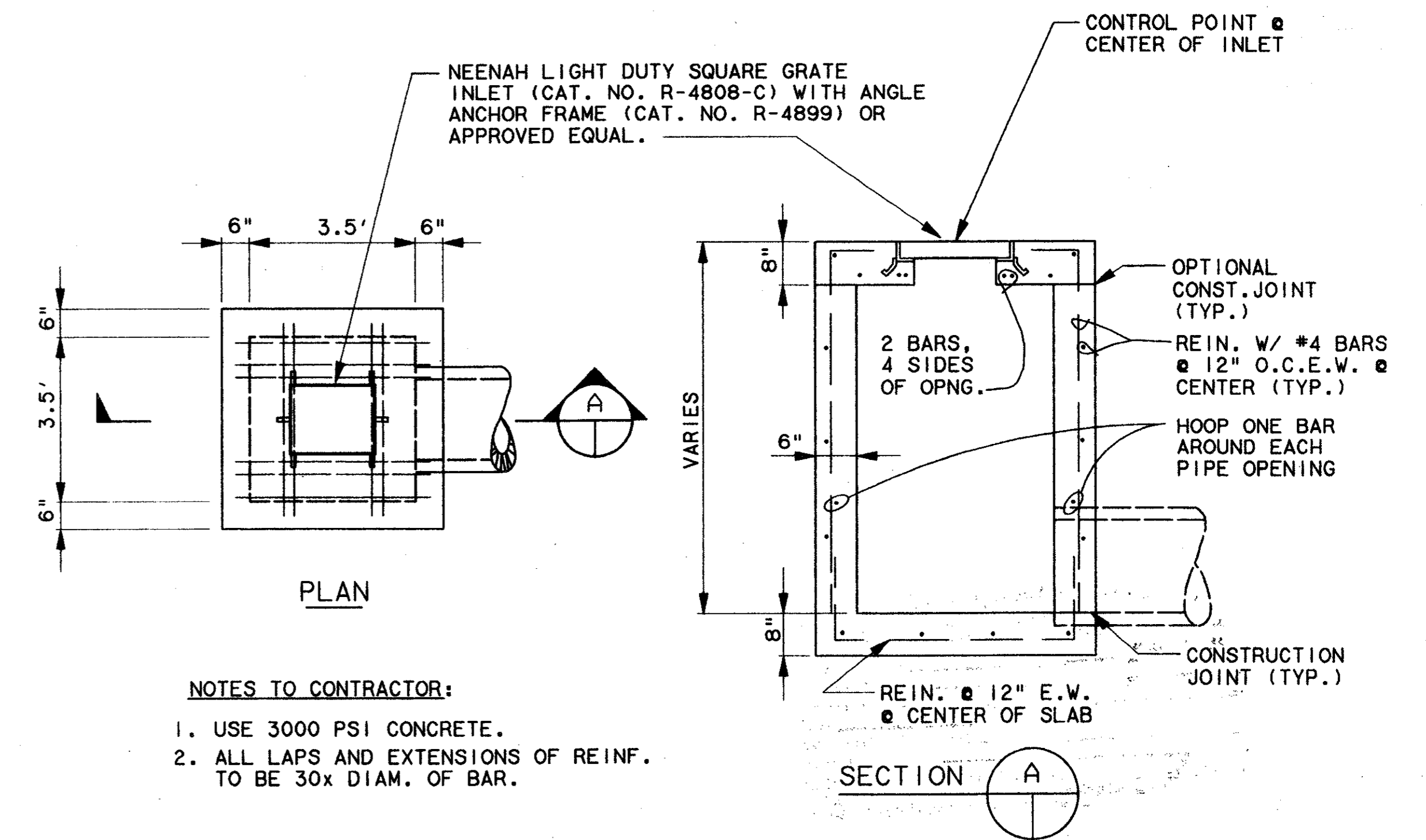
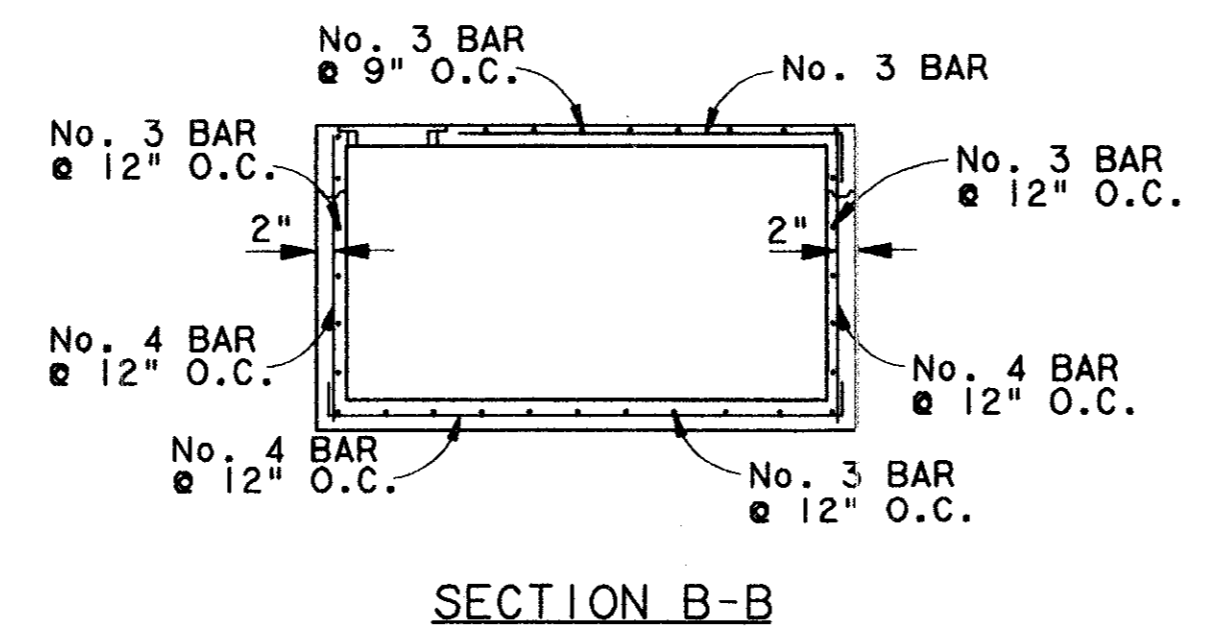


01 PIPE TO INLET CONNECTION DETAIL *
CC5-0001 N.T.S.

* TOWN OF ADDISON MAY HAVE PROVIDED A STUB-OUT TO TIE-INTO IN LIEU OF THIS DETAIL.

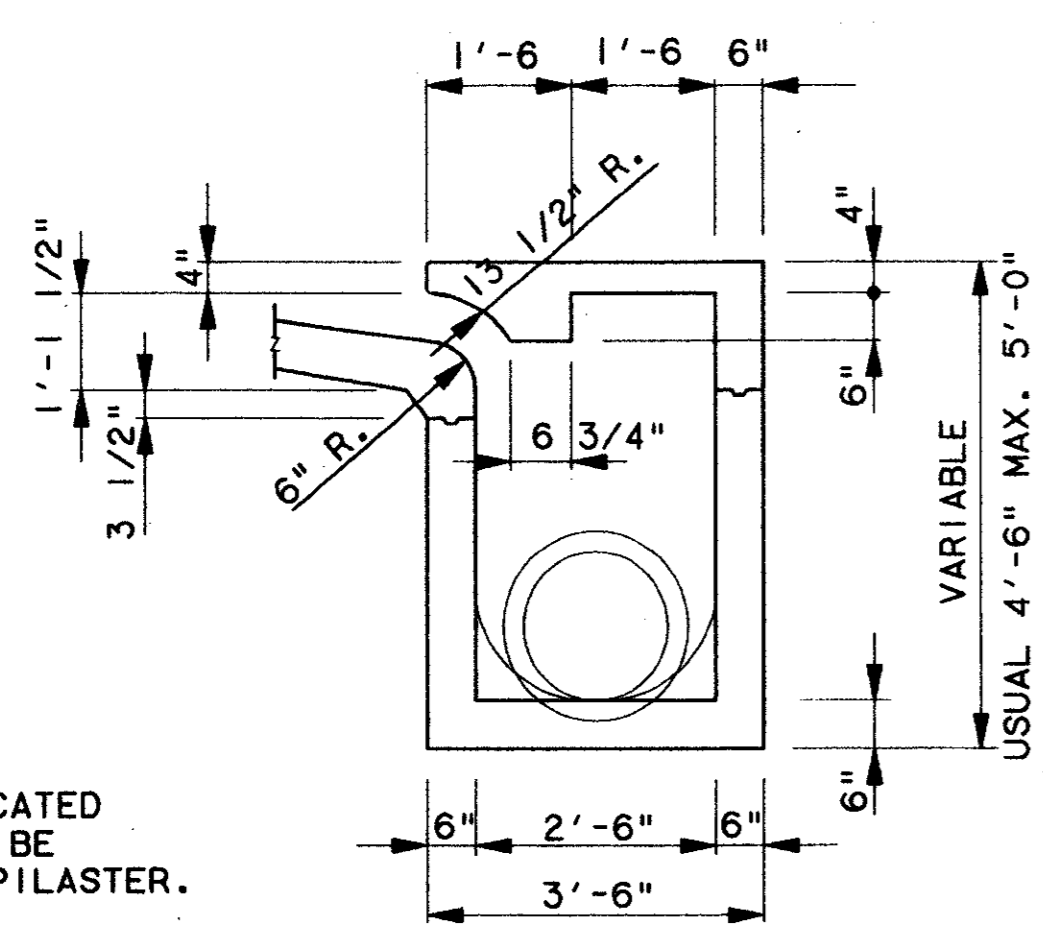


NOTE: PIPE MAY BE PLACED IN ANY WALL, BUT SHALL NOT ENTER ANY CORNER OR PILLASTER.



NOTES TO CONTRACTOR:
1. USE 3000 PSI CONCRETE.
2. ALL LAPS AND EXTENSIONS OF REINF. TO BE 30x DIAM. OF BAR.

STANDARD SURFACE INLET N.T.S.



NOTE: INLET THROAT SHALL BE A 7 1/2" OPENING.

GENERAL NOTES:
1. OUTLET PIPE MAY BE LOCATED IN ANY WALL BUT SHALL NOT BE LOCATED AT ANY CORNER OR PILLASTER.
2. MANHOLE RING WITH LOCKING COVER SHALL BE PLACED OVER THE OUTLET PIPE, REINFORCING No. 3 BAR TO BE ADJUSTED ACCORDINGLY.

7-7-99

RECEIVED

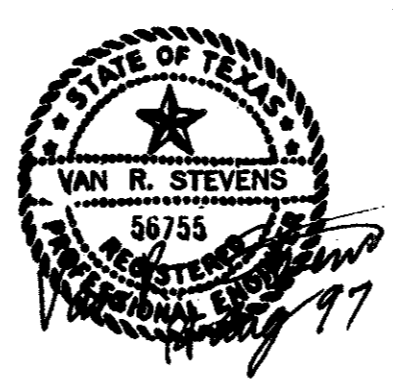
7-7-99

CONFORMED

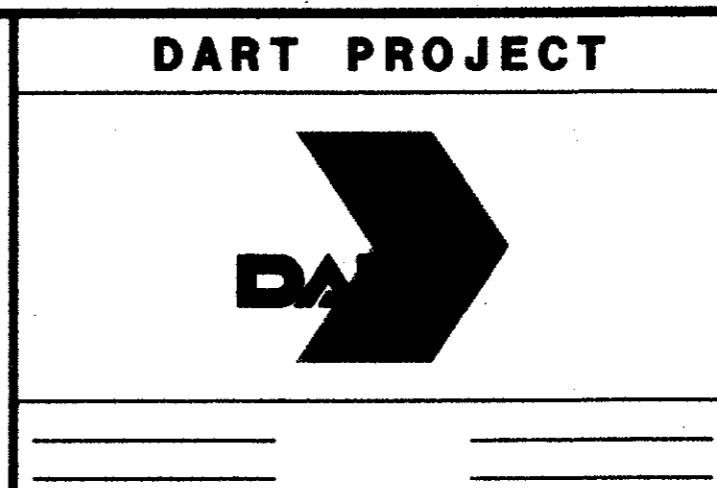
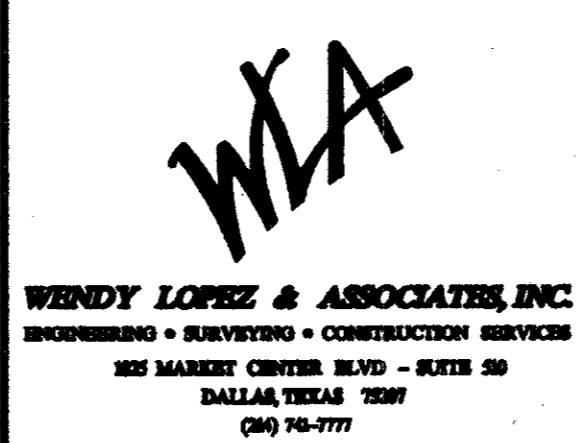
CONTRACT SHEET No. 19 OF 95

ADDISON TRANSIT CENTER INLET DETAILS

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



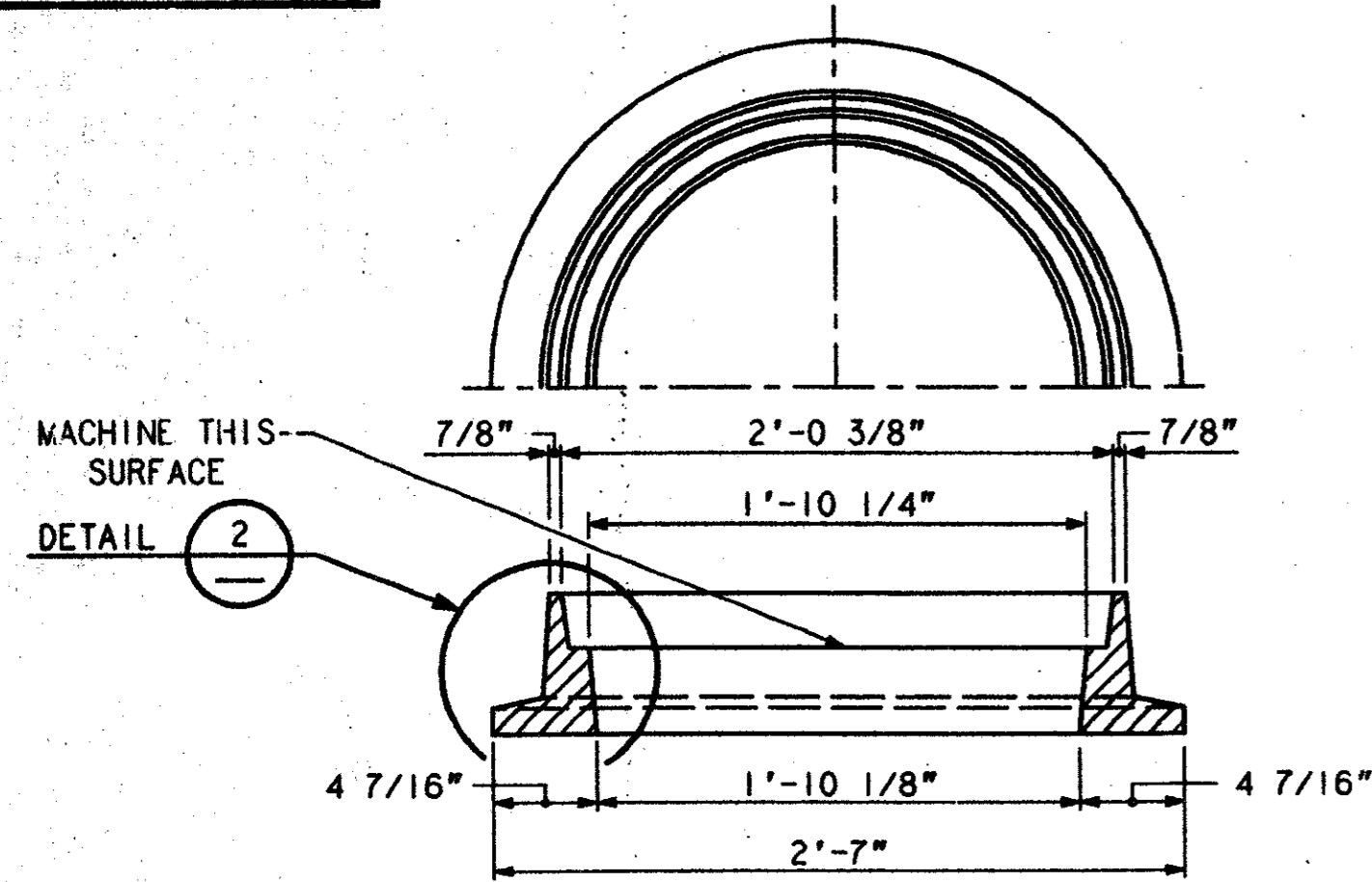
WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWNAM
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON



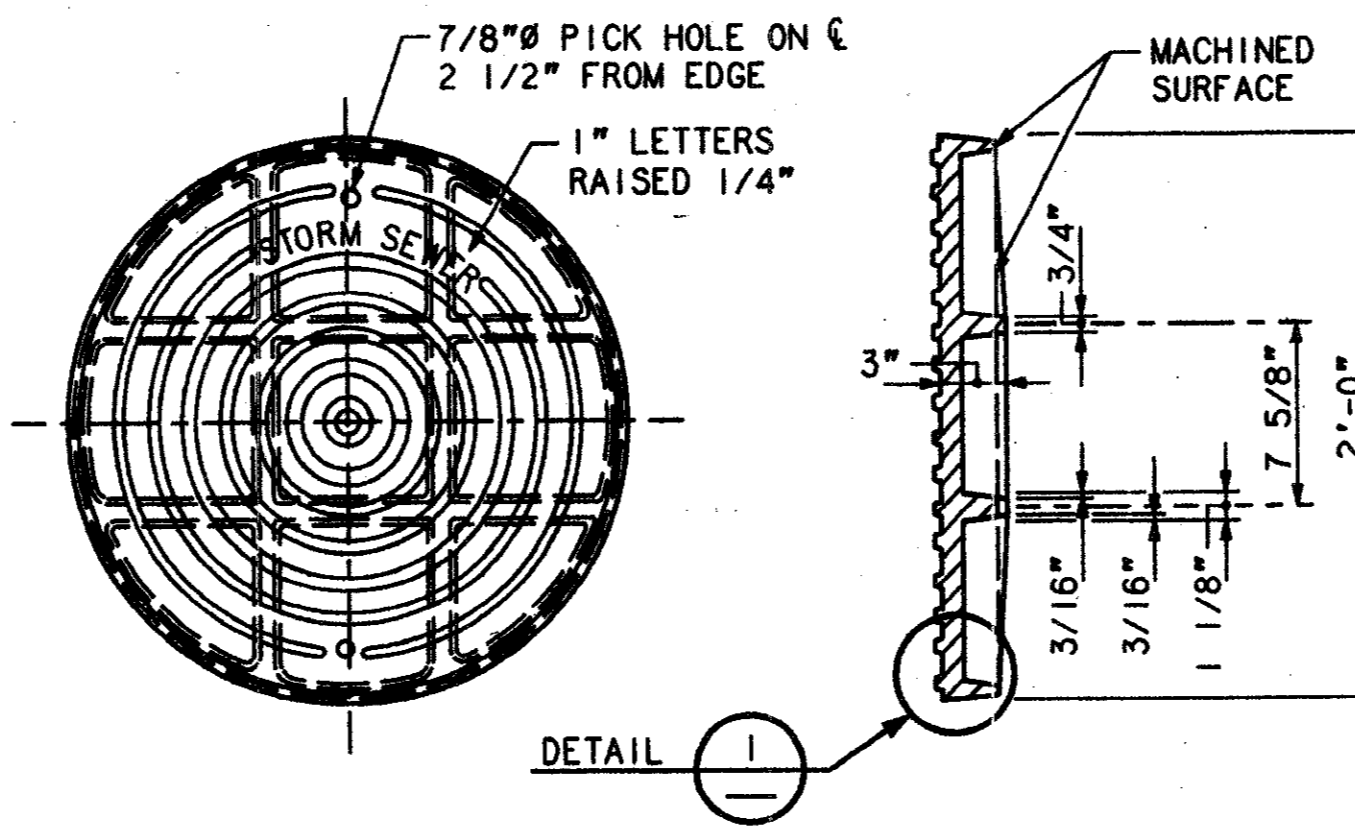
SCALE N.T.S.
DRAWN D. KRUCIAK
DESIGNED P. ZHAO
CHECKED V. STEVENS
IN CHARGE V. STEVENS
DATE 14 AUG. 1997



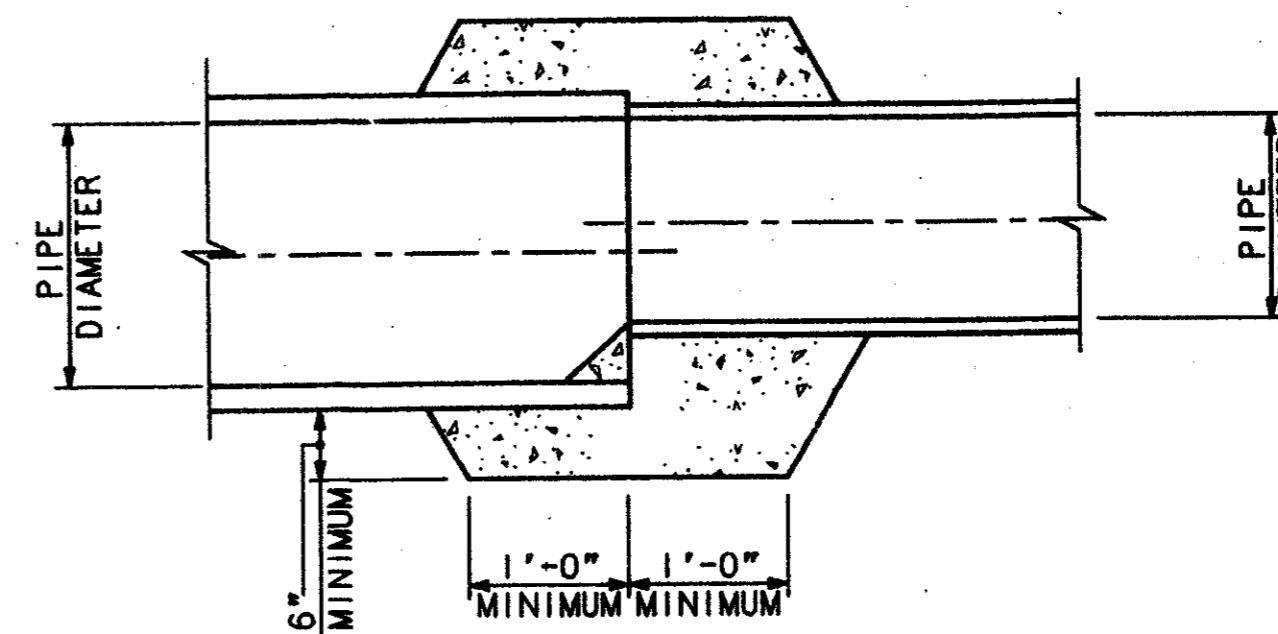
CONTRACT C-97000136 DWG No. CC6-0001 REV 0



HALF PLAN AND SECTION OF FRAME



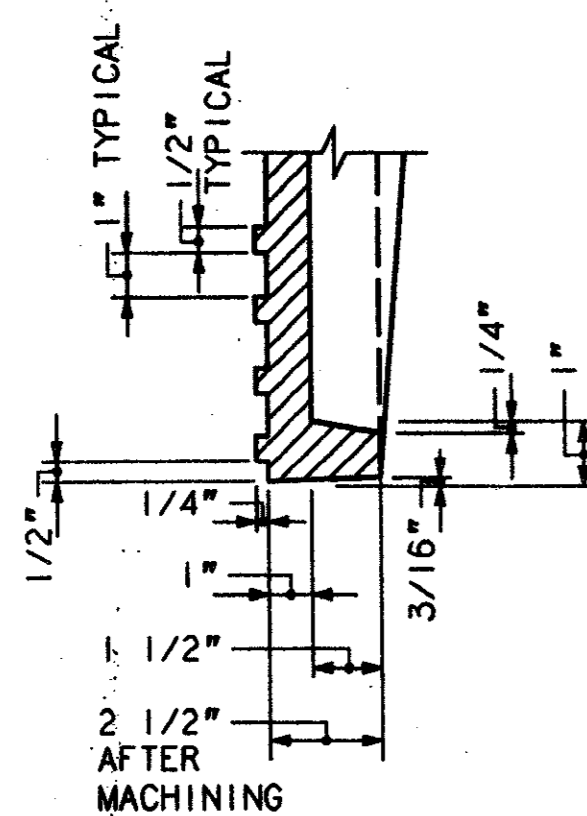
COVER COVER SECTION



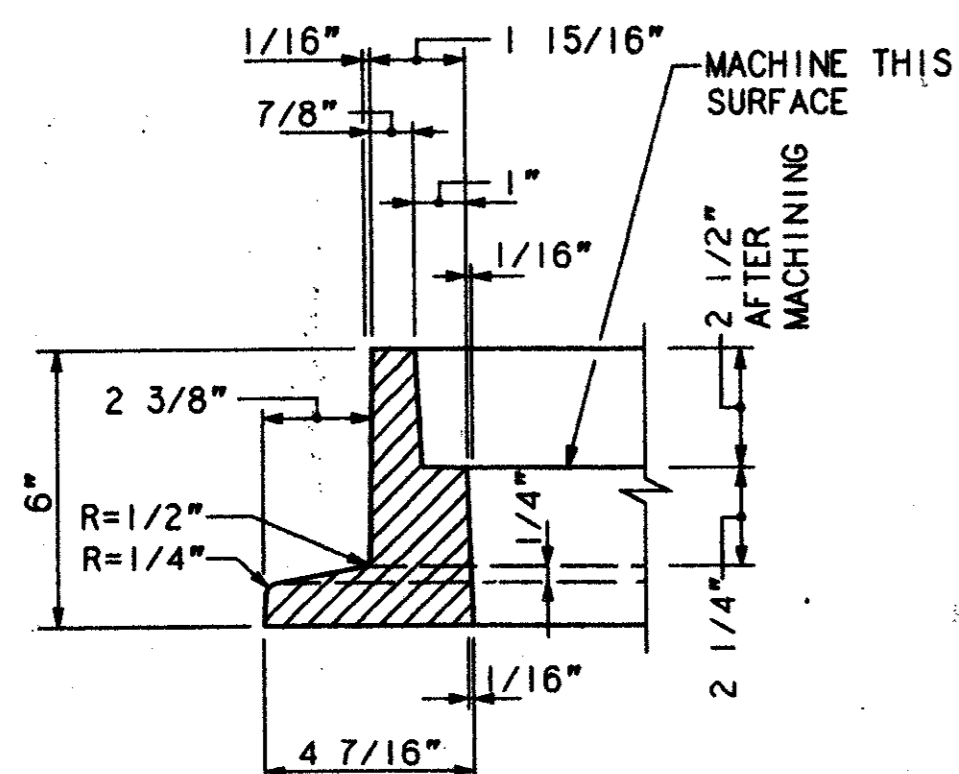
CONCRETE COLLAR FOR PIPE CONNECTION

NOTES:

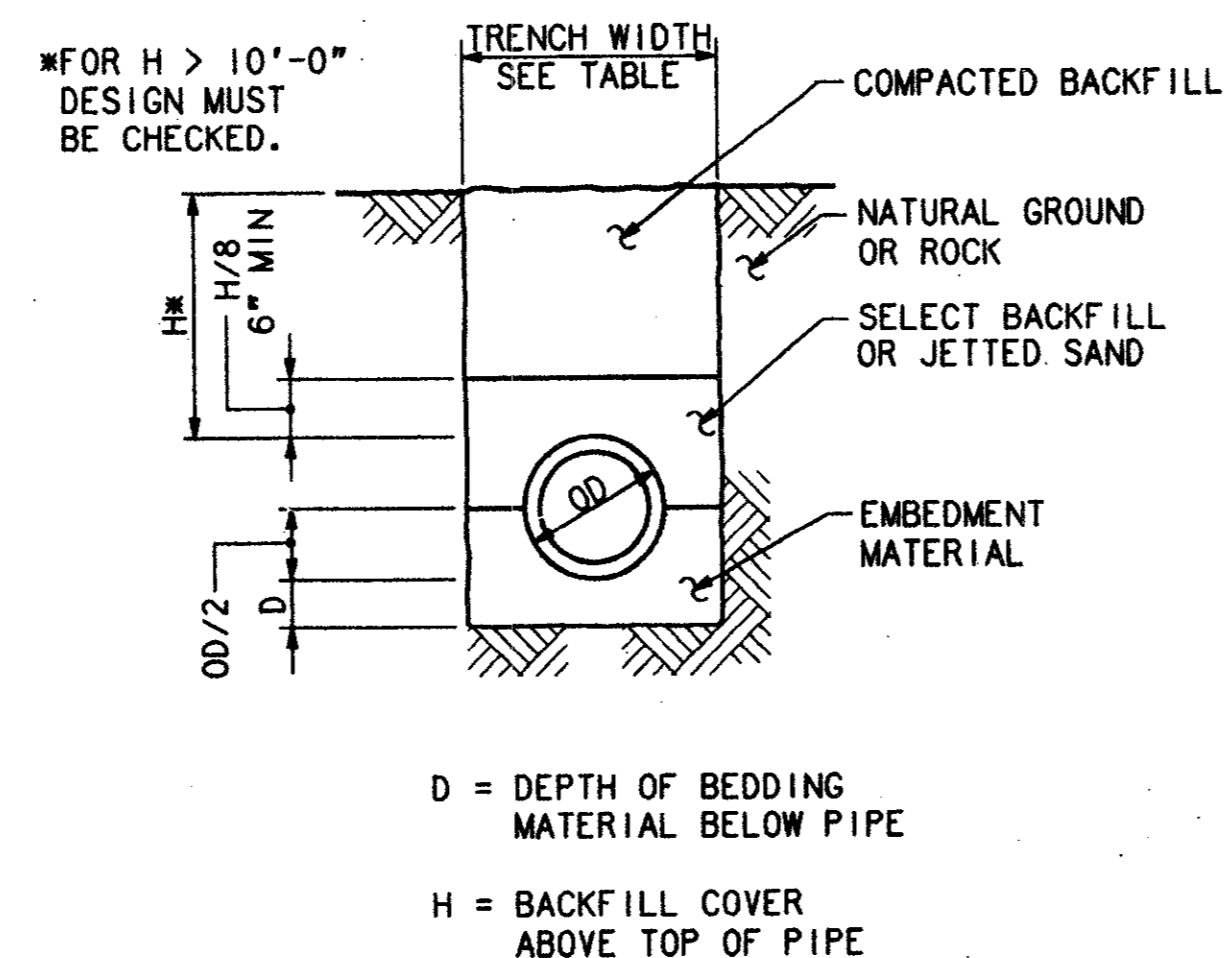
1. STORM SEWER PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED ON PLANS.
2. UNLIMITED TRENCH WIDTH NOT PERMITTED FOR CLASS III PIPE; A HIGHER TYPE EMBEDMENT MAY BE REQUIRED.



DETAIL 1



DETAIL 2



REINFORCED CONCRETE PIPE INSTALLATION

CLASS III PIPE	
PIPE DIAMETER (INCHES)	TRENCH WIDTH (FEET)
15	3.0
18	3.4
21	3.8
24	4.1
27	4.5
30	4.9
33	5.2
36	5.6
42	6.3
48	7.0
54	7.8
60	8.5
66	9.2
72	10.0
78	10.7
84	11.4
90	12.1
96	12.9

TRENCH WIDTHS BASED ON 1.25(OD) + 1'-0".
TRENCH WIDTHS SHOWN ARE MINIMUM FOR PROPER PLACEMENT AND COMPACTION OF EMBEDMENT AND BACKFILL.
TRENCH WIDTHS SHOWN WILL BE USED FOR CALCULATION OF ROCK EXCAVATION WHEN DESIGNATED AS A PAY ITEM.

DEPTH OF BEDDING CLASS III PIPE	
DIA (INSIDE DIAMETER)	D (MIN)
27" OR SMALLER	3"
30" TO 60"	4"
66" AND LARGER	6"

[Handwritten signatures and stamps]

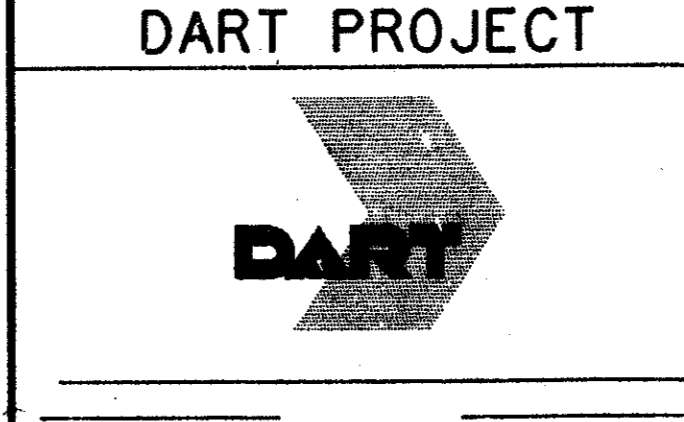
CONFORMED

CONTRACT SHEET No. 20 of 95

REV	DATE	DESCRIPTION	BY	DES	CHK	APP	REV	DATE	DESCRIPTION	BY	DES	CHK	APP



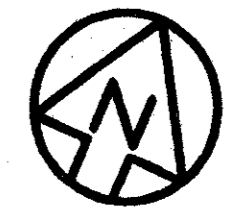
HUITT-ZOLLARS
3131 MCKINNEY AVENUE/SUITE 600
DALLAS, TEXAS 75244-8711
Sverdrup Corporation
Baron-Aschman Associates, Inc.
Arredondo, Brunz & Associates, Inc.
LS Transit Systems
Helmut Obala & Kassaboun, Inc.



SCALE: NO SCALE
DRW: W.C. HALL
DESIGNED: E.A. RAINOSEK
CHECKED: R. GRICE
IN CHARGE: D. KELLY
DATE: 06 DEC 91

CIVIL STANDARD
MANHOLE COVER DETAILS,
STORM SEWER PIPE EMBEDMENT
AND CONNECTION DETAILS

CONTRACT C-97000136 DWG No. CS6-0054 REV 0

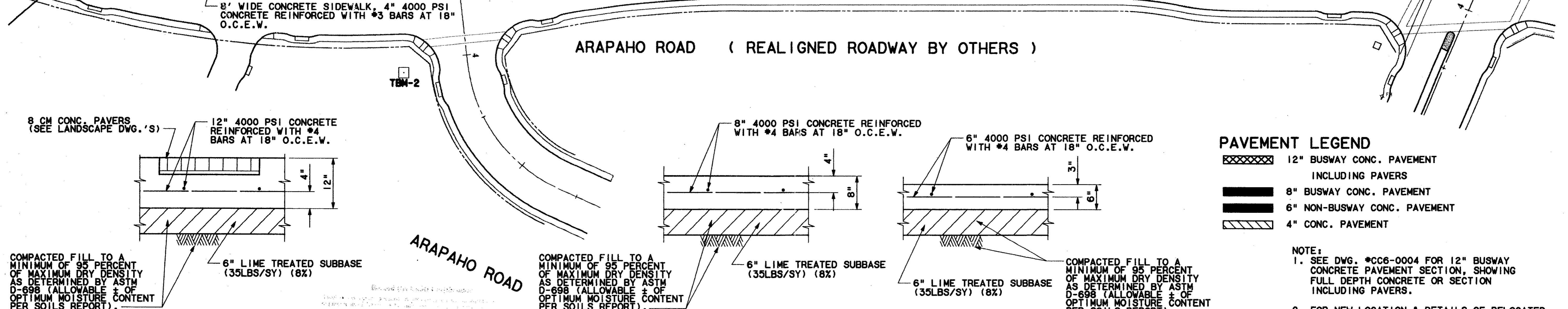
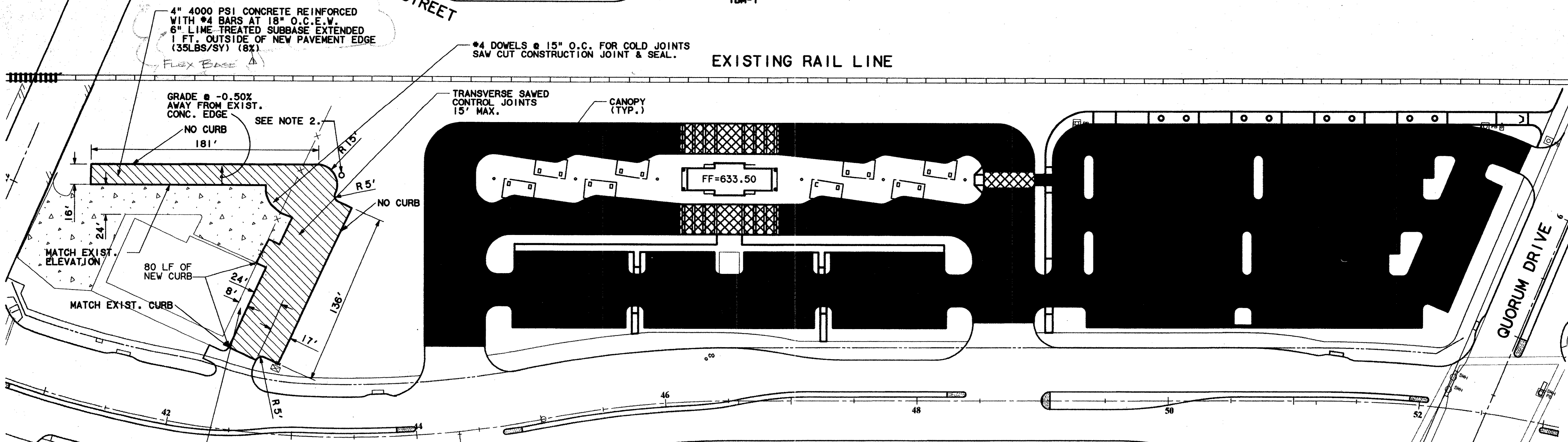


BROADWAY STREET

EXISTING RAIL LINE

QUORUM DRIVE

ARAPAHO ROAD (REALIGNED ROADWAY BY OTHERS)



PAVEMENT LEGEND

- 12" BUSWAY CONC. PAVEMENT INCLUDING PAVERS
- 8" BUSWAY CONC. PAVEMENT
- 6" NON-BUSWAY CONC. PAVEMENT
- 4" CONC. PAVEMENT

- NOTE:**
1. SEE DWG. *CC6-0004 FOR 12" BUSWAY CONCRETE PAVEMENT SECTION, SHOWING FULL DEPTH CONCRETE OR SECTION INCLUDING PAVERS.
 2. FOR NEW LOCATION & DETAILS OF RELOCATED LIGHT POLE, CONTRACTOR SHALL COORDINATE WITH THE CONTRACTING OFFICER. REFER TO SPECIFICATION SECTION 02072.

BUSWAY PAVEMENT w/ PAVER BANDS DETAIL
SCALE: 1"=1'-0"

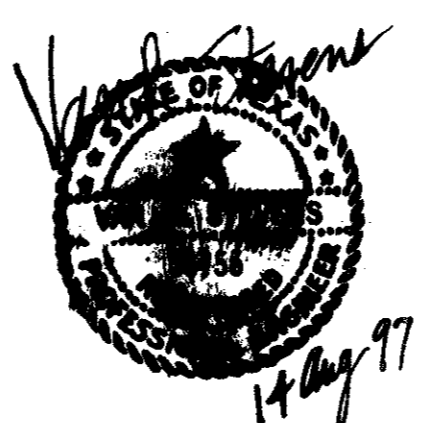
BUSWAY PAVEMENT DETAIL
SCALE: 1"=1'-0"

NON-BUSWAY PAVEMENT DETAIL
SCALE: 1"=1'-0"

CONFORMED

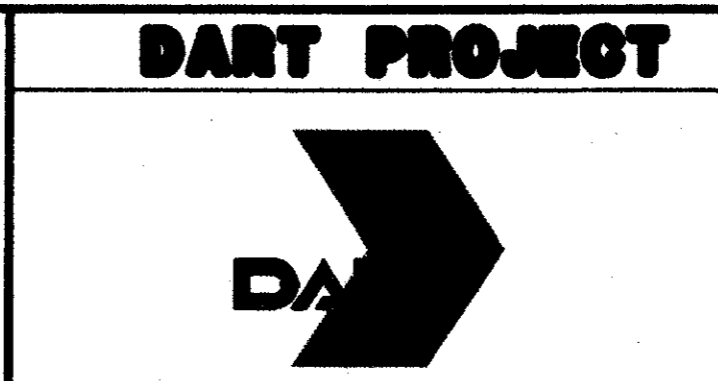
CONTRACT SHEET No. 21 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
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△													
△													
△													
△													
△													



WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWNAM
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON

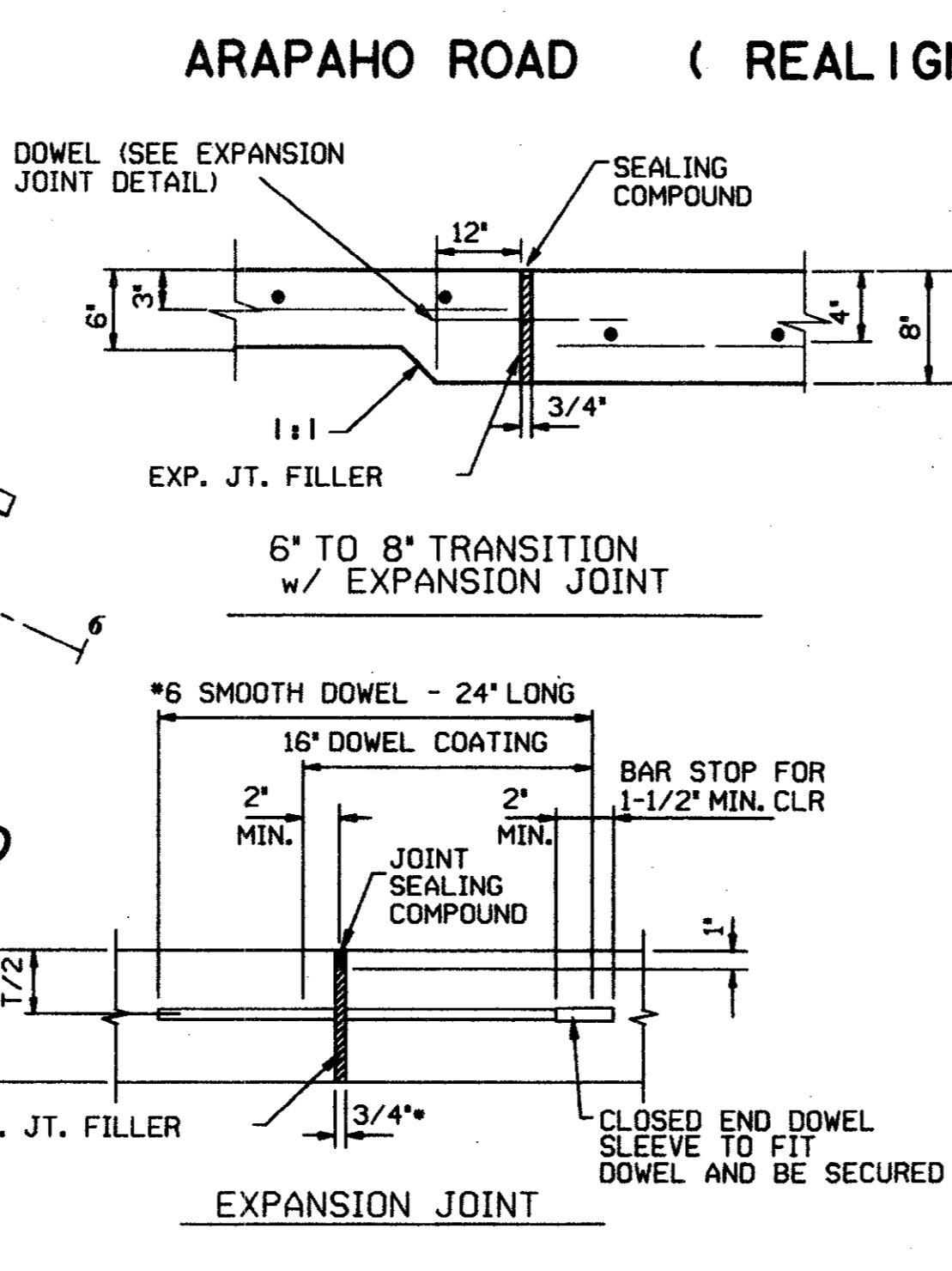
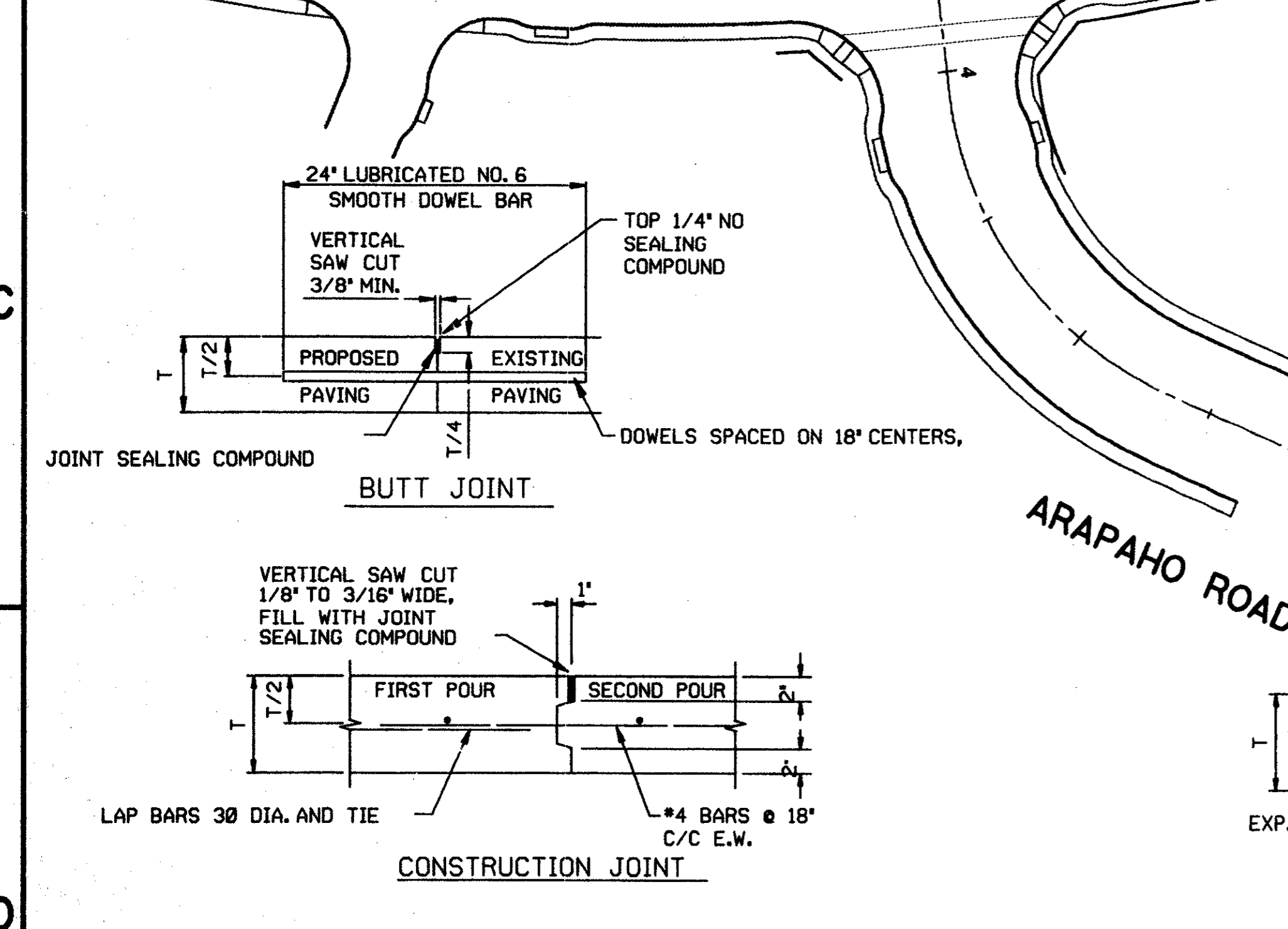
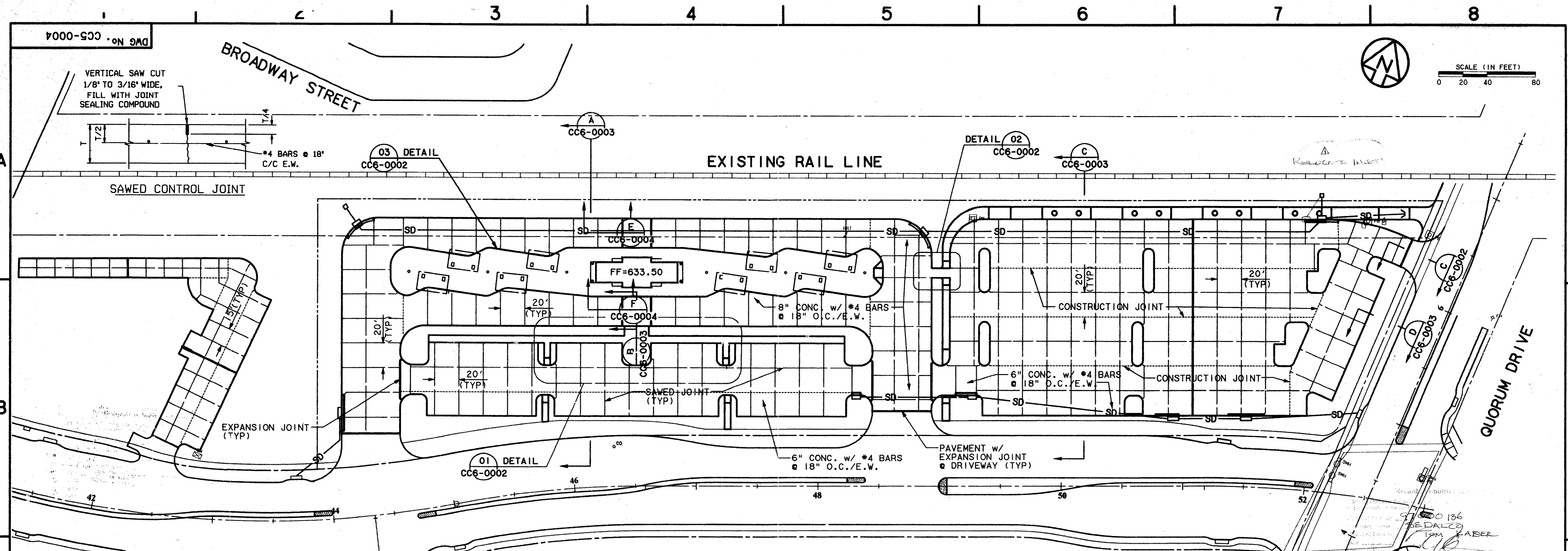
WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
1825 MARKET CENTER BLVD - SUITE 510
DALLAS, TEXAS 75207
(214) 746-7777



SCALE 1"=40'
DRAWN D. KRUCIAK
DESIGNED P. ZHAO
CHECKED V. STEVENS
IN CHARGE J. STEVENS
DATE AUG. 14, 1997

ADDISON TRANSIT CENTER PAVING PLAN

c:\cadd\94010-212\shf\abtc001
02 MAR 98
DART.TBL
\$(USER)



- NOTES:**
- BUSWAY AREA AND RELATED DRIVEWAY SHALL BE PAVED WITH 8" 4000 PSI CONCRETE REINFORCED WITH #4 BARS AT 18" O.C./E.W. SEE DWG. CC6-0004 FOR LIMITS OF 12" THICKENED PAVEMENT AREA.
 - PARK AND RIDE, KISS AND RIDE, HANDICAP, AND RELATED DRIVES ARE TO BE PAVED WITH 6" 4000 PSI CONCRETE REINFORCED WITH #4 BARS AT 18" O.C./E.W.
 - ALL CONCRETE PAVING SHALL HAVE CURBS INTEGRAL WITH PAVEMENT. BUSWAY PEDESTRIAN PLATFORM CURBS SHALL BE 7-1/2" AND ALL OTHER CURBS SHALL BE 6".
 - BUSWAY, KISS AND RIDE, AND PARKING AREA PAVEMENT SURFACES SHALL RECEIVE A NON-SKID LIGHT BROOM FINISH PERPENDICULAR TO THE FLOW OF TRAFFIC.
 - ALL JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS SHEET.
 - CONTRACTOR MAY SUBMIT ALTERNATE JOINT PLANS FOR ENGINEERS APPROVAL.
 - SEE IRRIGATION PLAN (DWG CC5-0012 & CC5-0014) FOR LOCATION OF 4" SLEEVES FOR IRRIGATION LINES.
 - SEE SITE ELECTRICAL PLAN (DWG EC2-0001) FOR ELECTRICAL CONDUIT LOCATIONS.
 - ALL JOINTS INTERSECTING RADIUS CURB SHALL INTERSECT RADIAL TO CURB WITH A JOINT LENGTH OF 2' MIN.

LEGEND

- EXPANSION JOINT
- CONSTRUCTION JOINT
- SAWED JOINT

CONFORMED

CONTRACT SHEET No. 22 OF 95

ADDISON TRANSIT CENTER PAVEMENT JOINT LAYOUT

SCALE 1"=40'

DRAWN D. KRUCIAK
DESIGNED P. ZHAO
CHECKED V. STEVENS
IN CHARGE V. STEVENS
DATE AUG. 14, 1997

CONTRACT C-97000136 DWG No. CC5-0004 REV 0

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
△		RECORD AS BUILT INITIAL					△						
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△							△						

WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWMAN
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON

WLA

WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
205 MARKET CENTER BLVD - SUITE 20
DALLAS, TEXAS 75207
(214) 746-7777

DART PROJECT

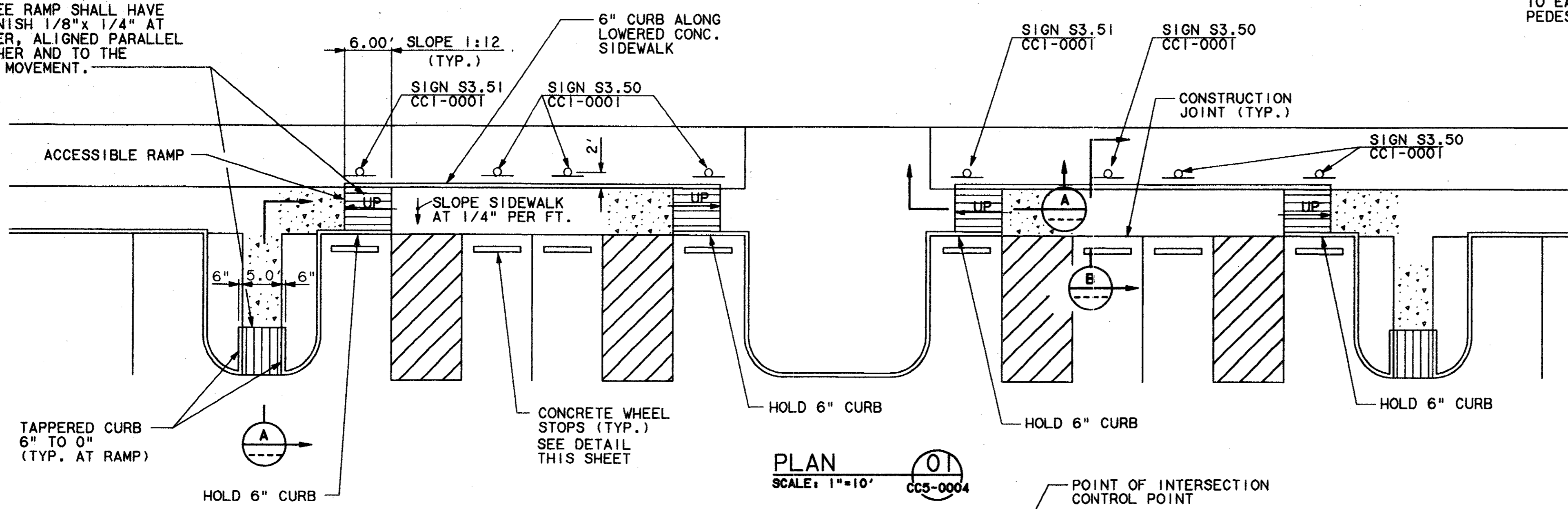
SCALE 1"=40'

DRAWN D. KRUCIAK
DESIGNED P. ZHAO
CHECKED V. STEVENS
IN CHARGE V. STEVENS
DATE AUG. 14, 1997

CAES

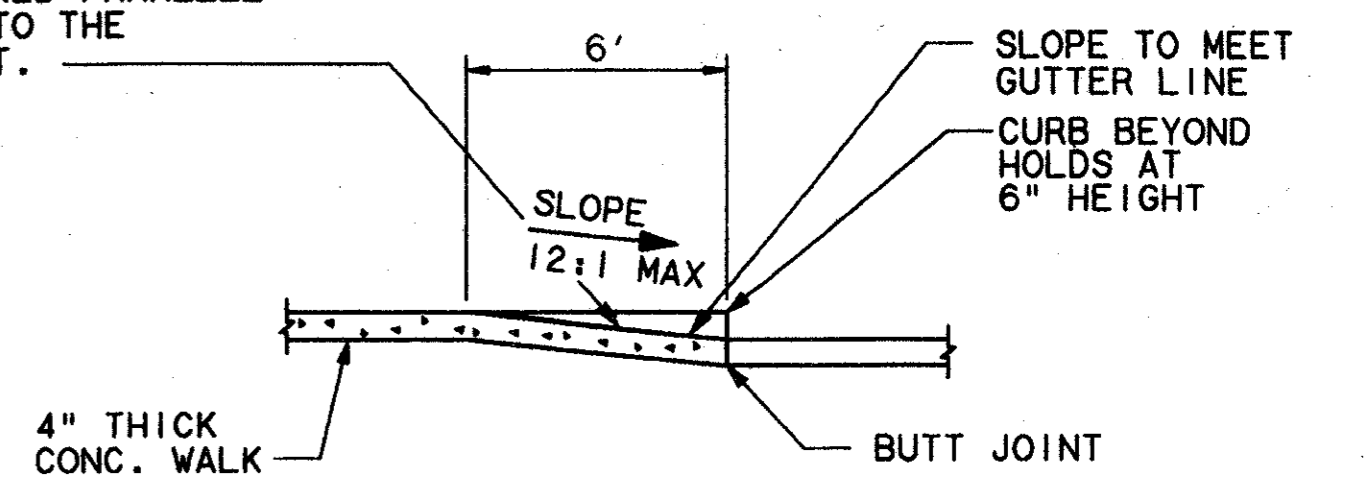
CONTRACT C-97000136 DWG No. CC5-0004 REV 0

BARRIER FREE RAMP SHALL HAVE GROOVED FINISH 1/8" x 1/4" AT 2" ON CENTER, ALIGNED PARALLEL TO EACH OTHER AND TO THE PEDESTRIAN MOVEMENT.

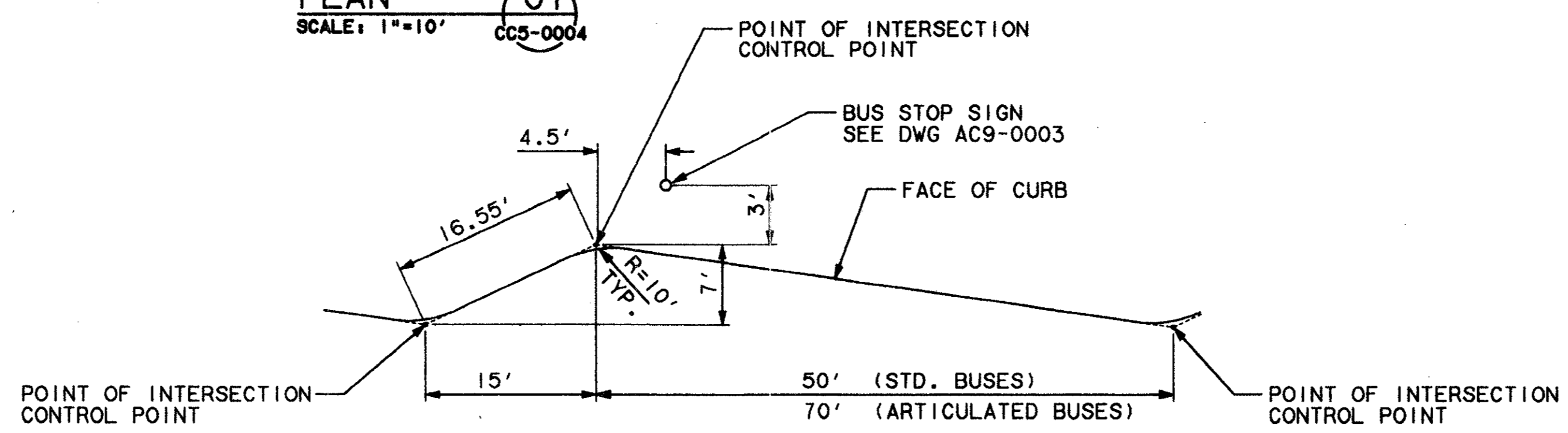


PLAN
SCALE: 1"=10'
01
CC5-0004

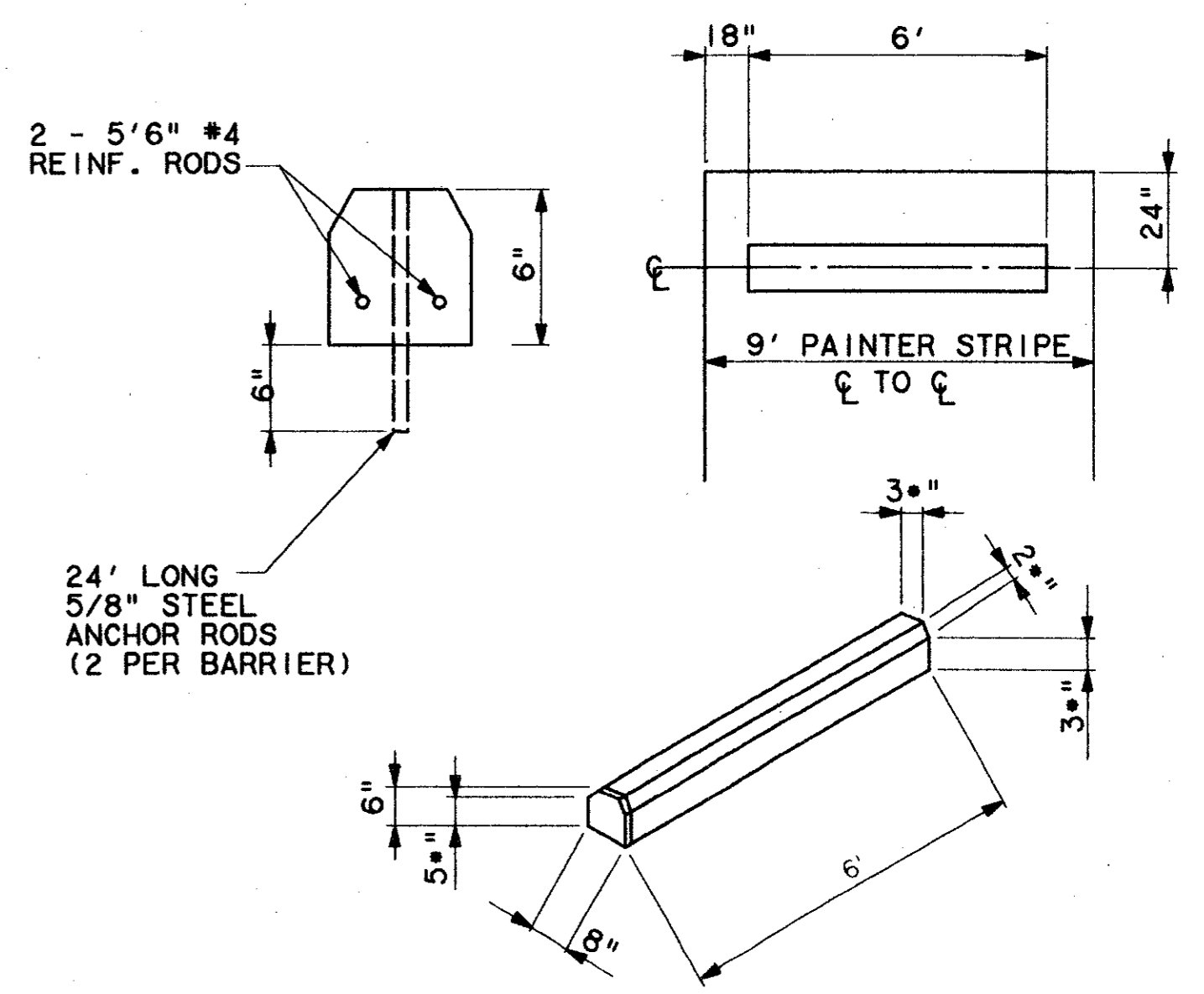
BARRIER FREE RAMP SHALL HAVE GROOVED FINISH 1/8" x 1/4" AT 2" ON CENTER, ALIGNED PARALLEL TO EACH OTHER AND TO THE PEDESTRIAN MOVEMENT.



BARRIER FREE RAMP
SECTION A
SCALE: N.T.S.



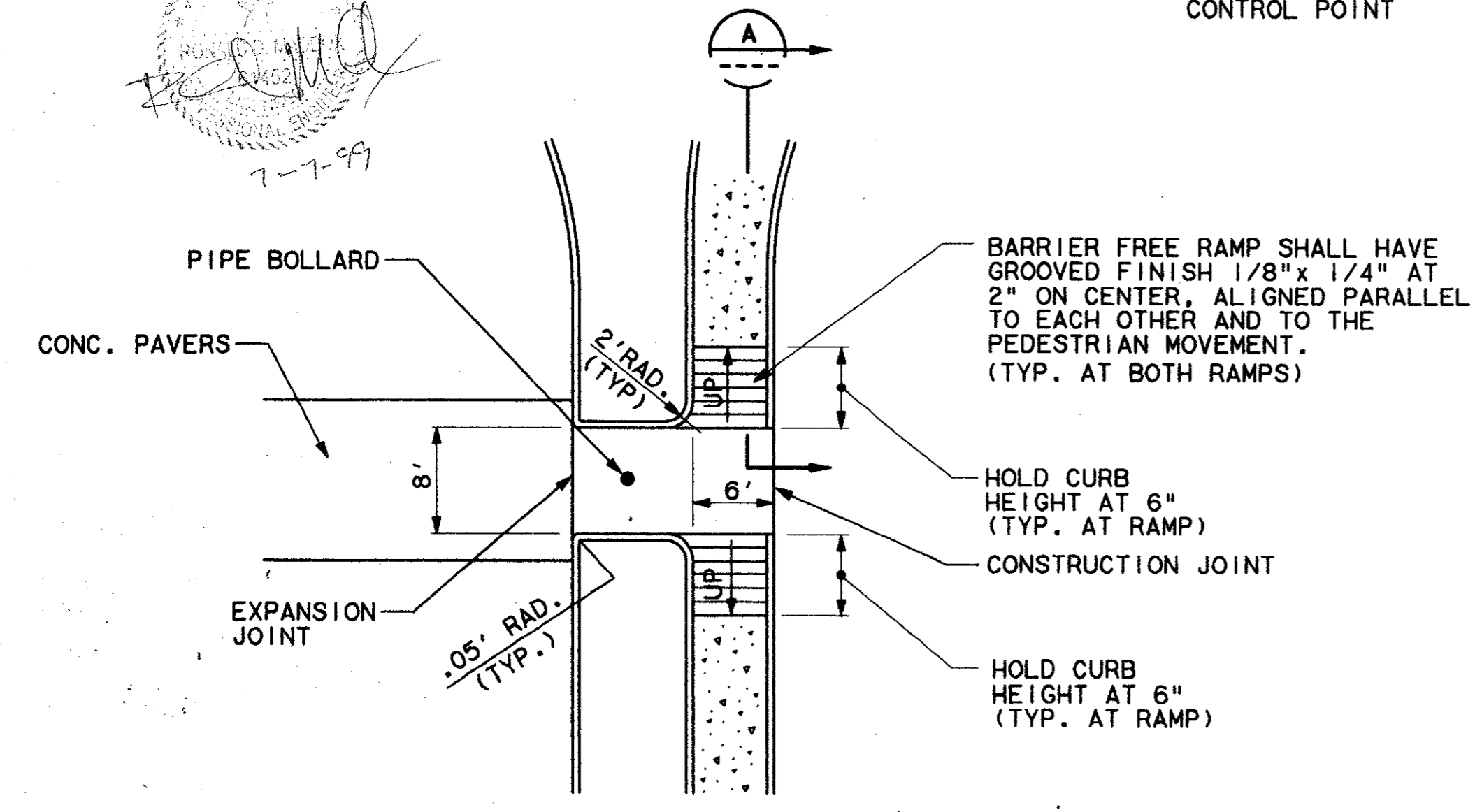
BUS BAY CURB LAYOUT
SCALE: 1"=10'
03
CC5-0004



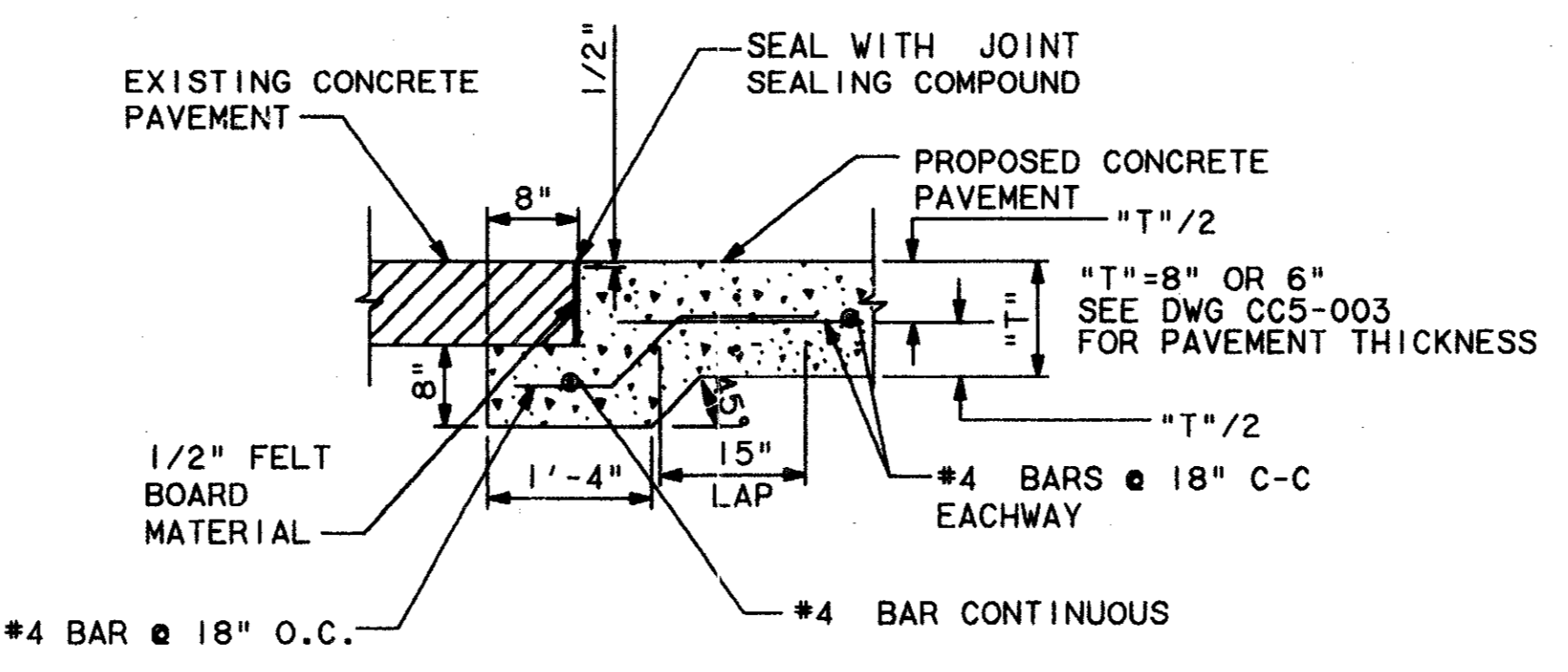
CONCRETE WHEEL STOP
SCALE: N.T.S.

Having checked this drawing against the requirements of the City of Dallas, Texas, and the State of Texas, I hereby certify that it complies with the requirements of the City of Dallas, Texas, and the State of Texas.

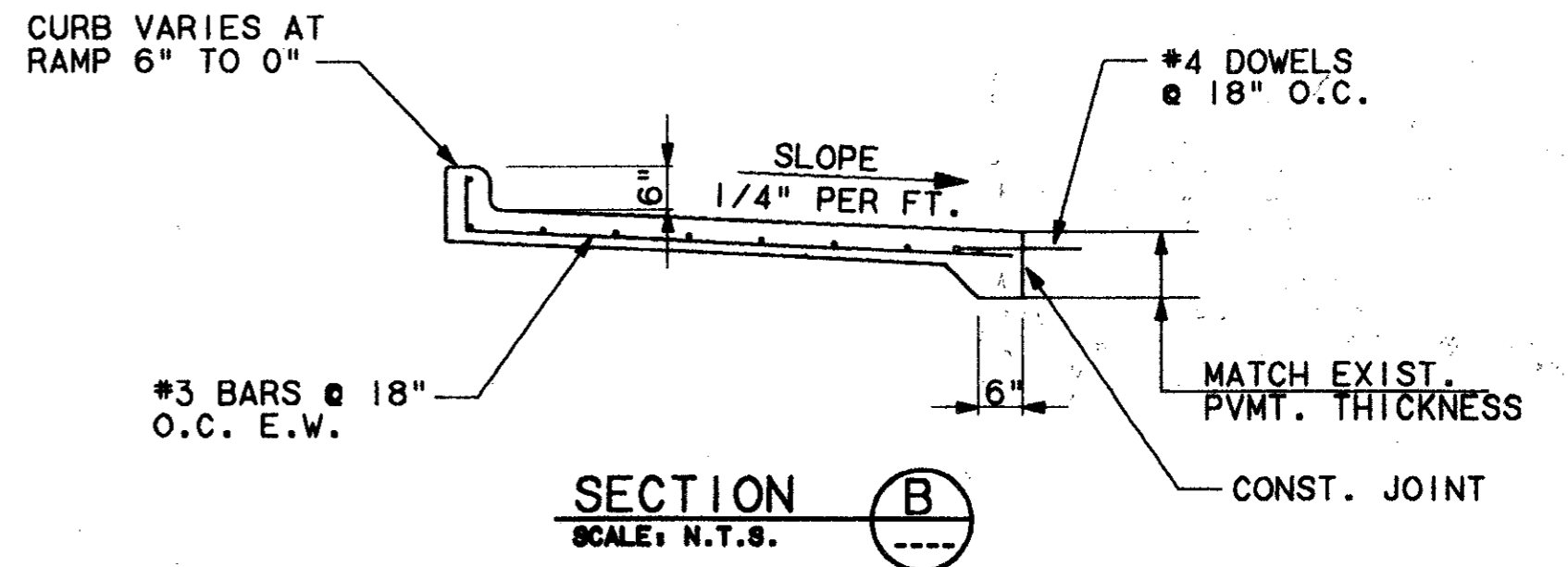
Tom Kacer
PRESIDENT



DETAIL
SCALE: 1"=10'
02
CC5-0004



SECTION C
SCALE: N.T.S.
04
CC5-0004



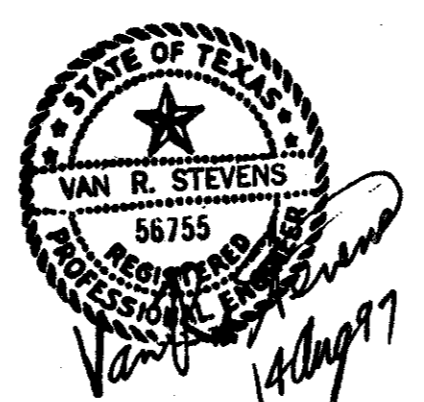
SECTION B
SCALE: N.T.S.

CONFORMED

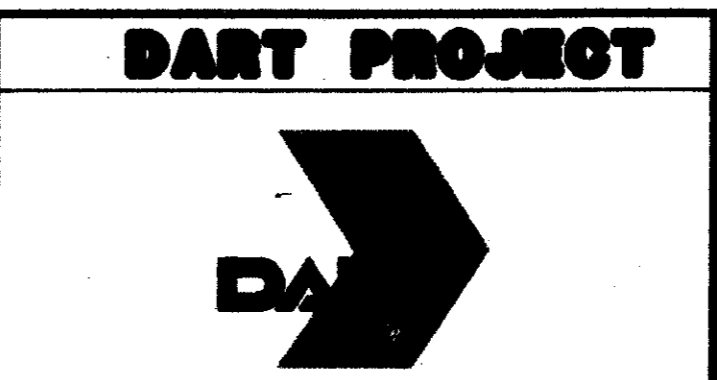
CONTRACT SHEET No. 23 OF 95

ADDISON TRANSIT CENTER PAVING & WALK DETAILS

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP

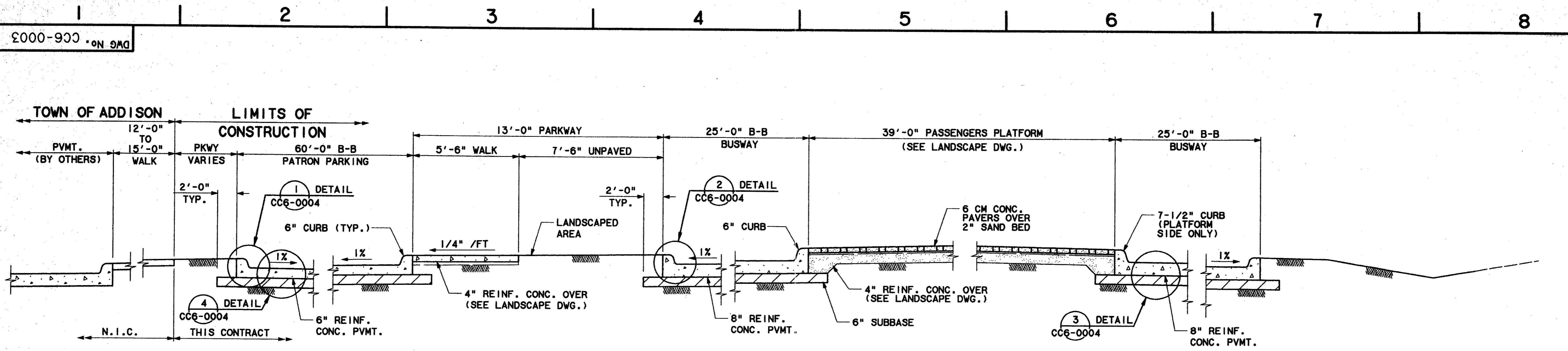


WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWNAM
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON

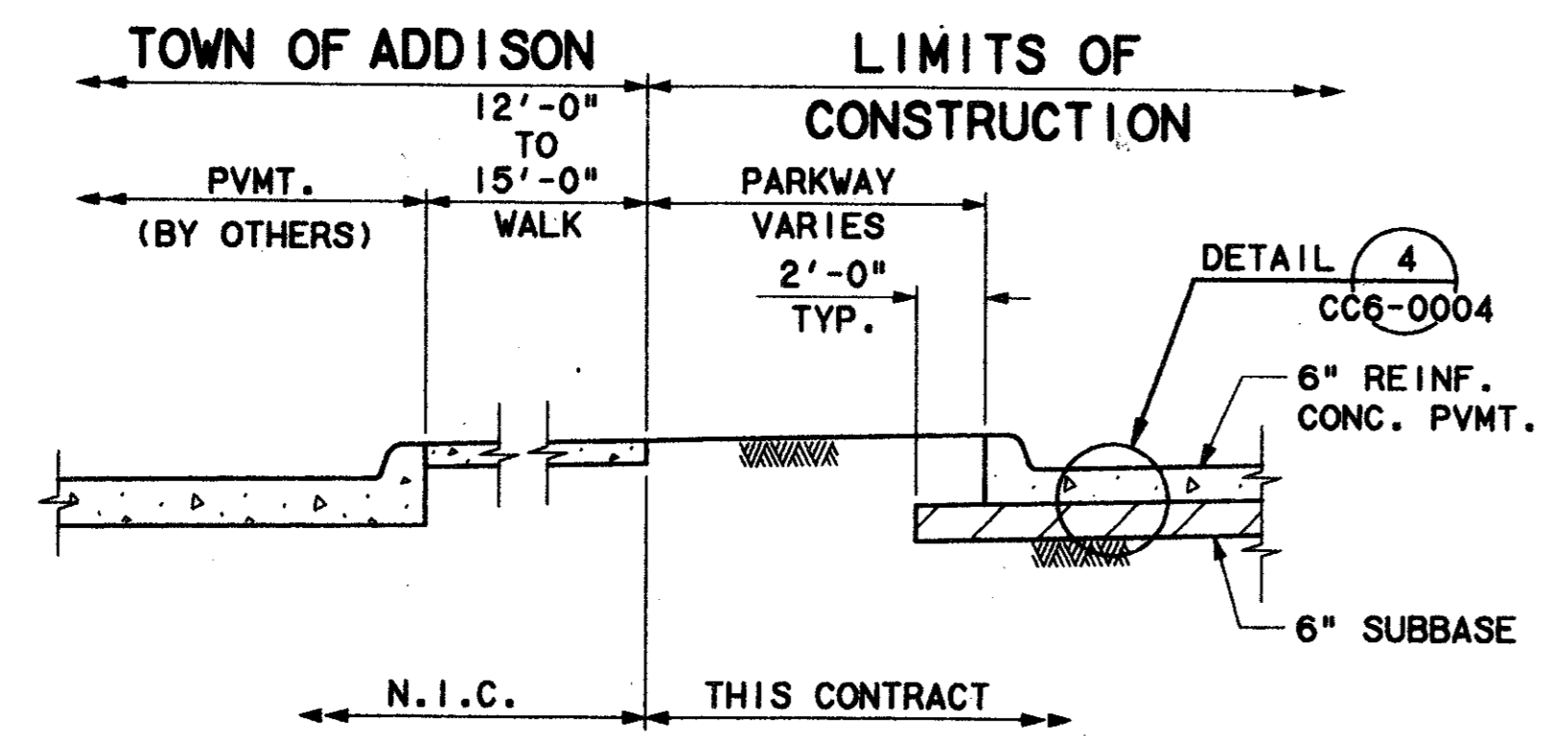


SCALE	N.T.S.
DRAWN	D. KRUCIAK
DESIGNED	P. ZHAO
CHECKED	V. STEVENS
IN CHARGE	V. STEVENS
DATE	AUG. 14, 1997

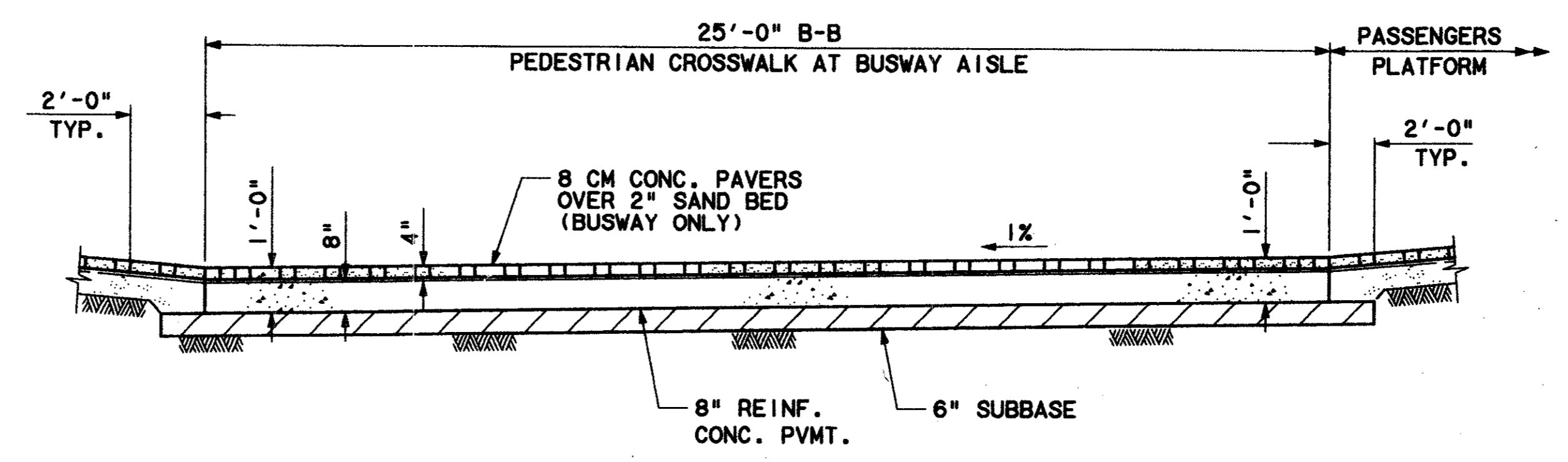
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 02 MAR 98
 DART.TBL
 \$(USER)



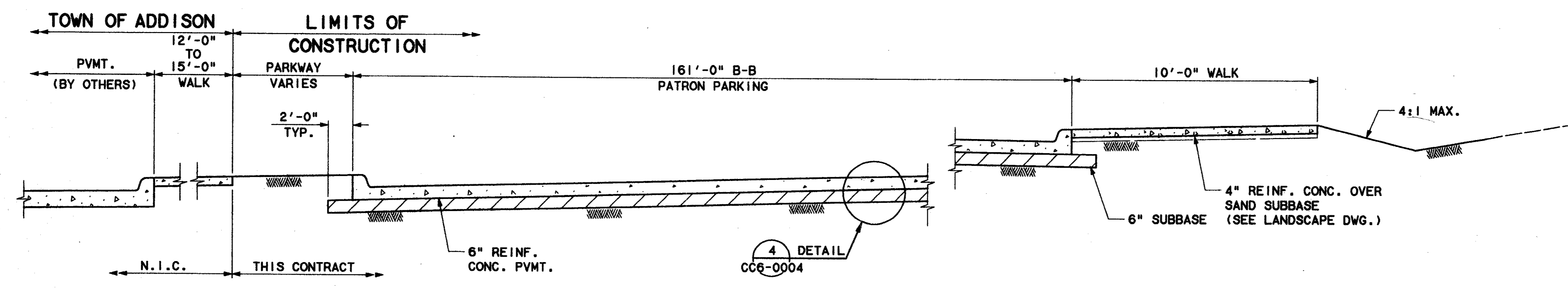
SECTION A
 SCALE: 3/8"=1'-0" CC5-0004



SECTION D
 SCALE: 3/8"=1'-0" CC5-0004



SECTION B
 SCALE: 3/8"=1'-0" CC5-0004



SECTION C
 SCALE: 3/8"=1'-0" CC5-0004

Record (As-built) Certificate
 This certificate is valid only for the project and location specified herein. It is not to be used for any other project or location. The contractor is responsible for the accuracy of the information provided. The engineer is responsible for the accuracy of the information provided. The architect is responsible for the accuracy of the information provided. The owner is responsible for the accuracy of the information provided.
 7-7-99

CONFORMED

CONTRACT SHEET No. 24 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP

WENDY LOPEZ & ASSOC.
 LOCKWOOD, ANDREWS & NEWNAM
 THE SWA GROUP
 GERARD & ASSOCIATES
 ZAXON

WLA
 WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 825 MARKET CENTER BLVD - SUITE 200
 DALLAS, TEXAS 75207
 (214) 746-7777

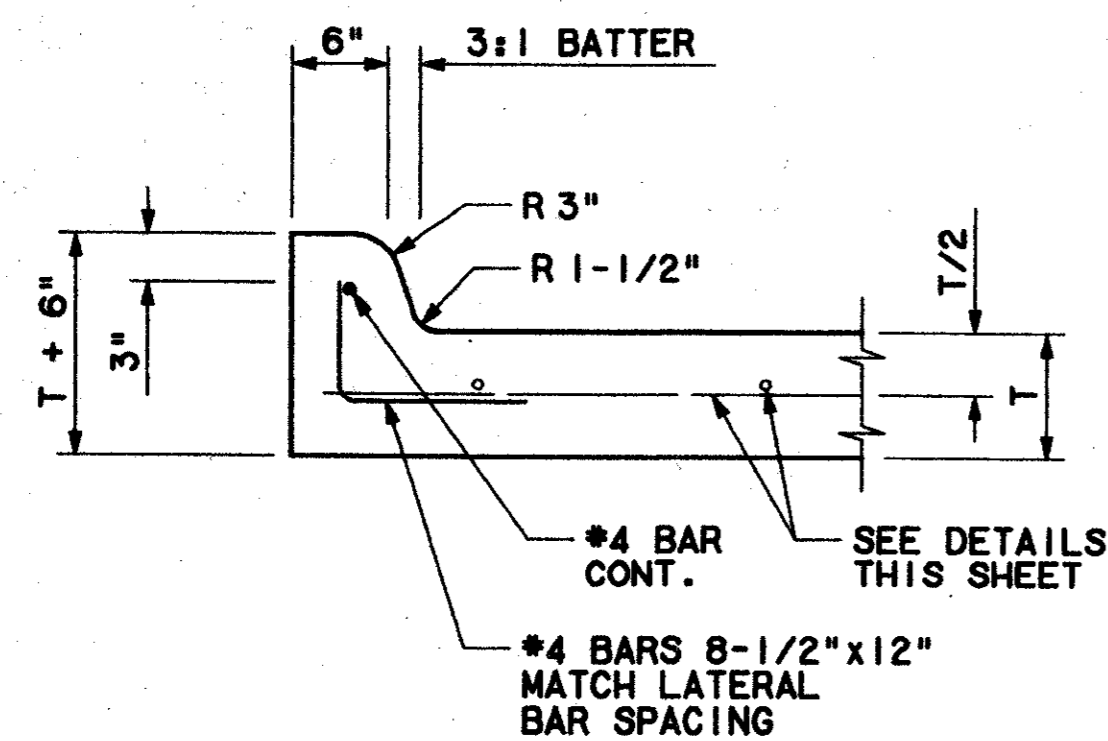
DART PROJECT

SCALE 3/8"=1'-0"
 DRAWN N. DEREMER
 DESIGNED P. ZHAO
 CHECKED V. STEVENS
 IN CHARGE V. STEVENS
 DATE 14 AUG. 1997

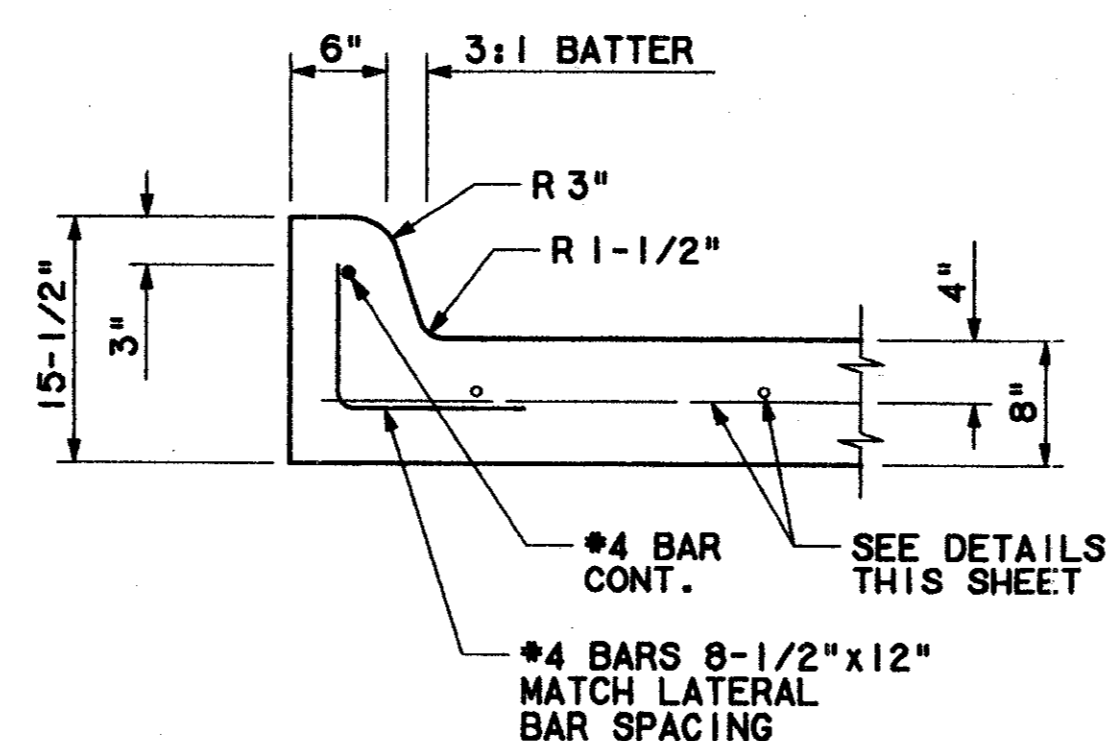
ADDISON TRANSIT CENTER
 TYPICAL SECTIONS
 CONTRACT C-97000136 DWG No. CC6-0003 REV 0

C:\cadd\94010.2\12\sh1\vb1ccz03.00
 02-MAR-99
 DART.TBL
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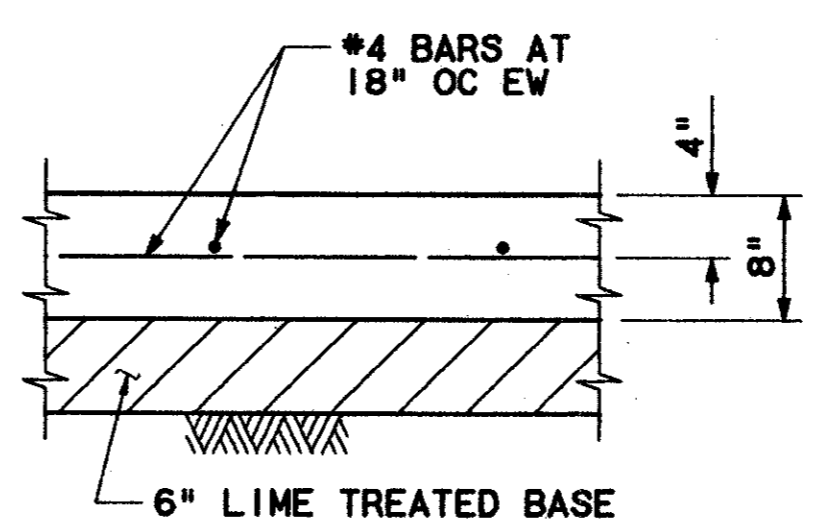
1000-900 ON 9AD



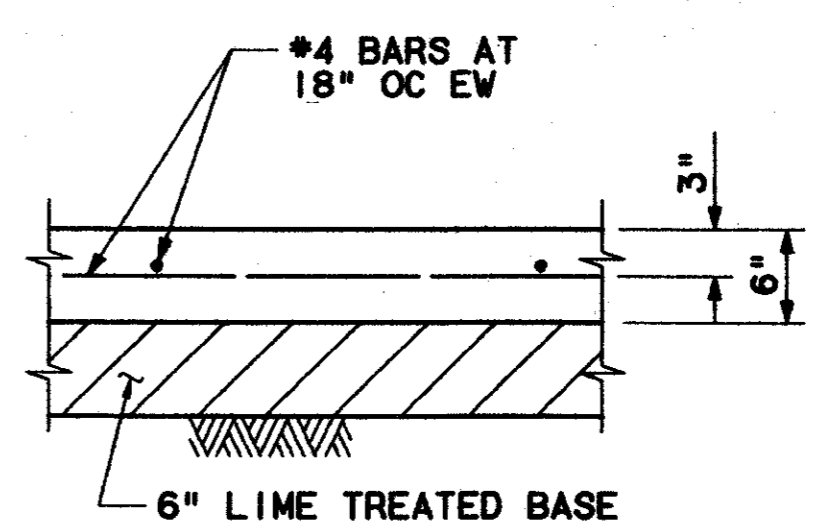
**6" CURB
 DETAIL**
 SCALE: 1"=1'-0"
 CC6-0003



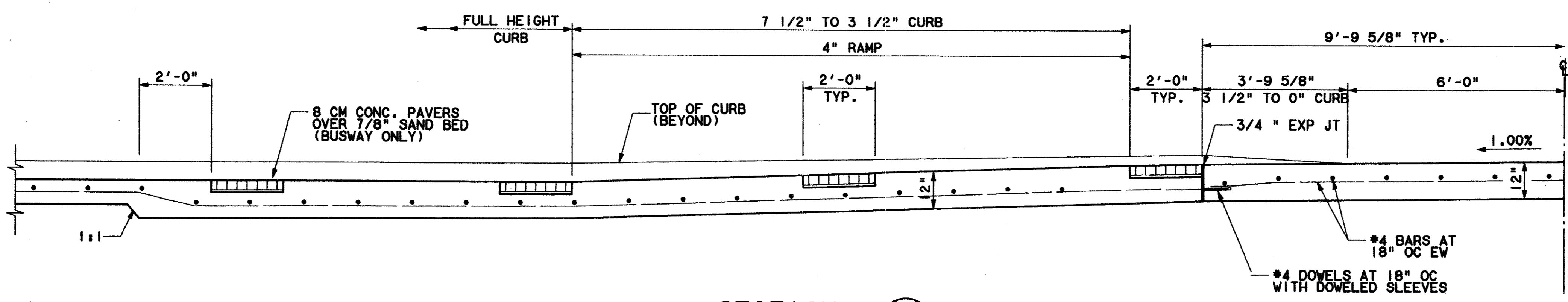
**7-1/2" CURB
 DETAIL**
 SCALE: 1"=1'-0"
 CC6-0003



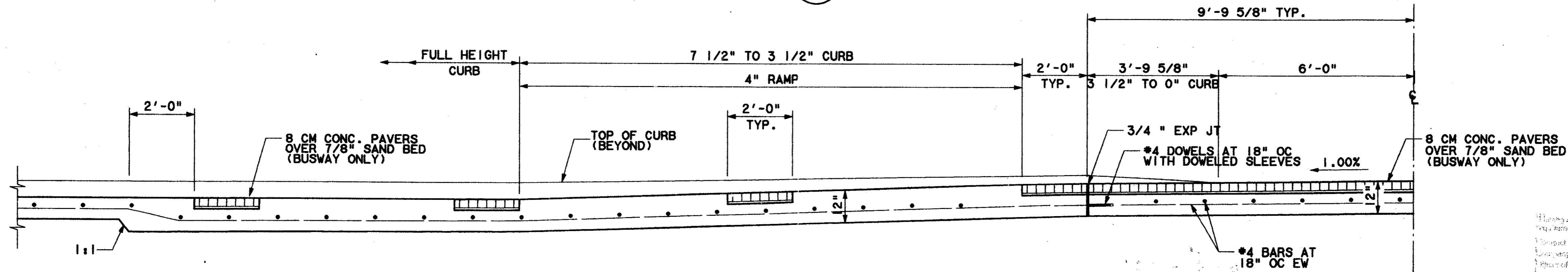
**BUSWAY
 PAVEMENT
 DETAIL**
 SCALE: 1"=1'-0"
 CC6-0003



**NON-BUSWAY
 PAVEMENT
 DETAIL**
 SCALE: 1"=1'-0"
 CC6-0003



SECTION E
 SCALE: 1/2"=1'-0"
 CC5-0004



SECTION F
 SCALE: 1/2"=1'-0"
 CC5-0004

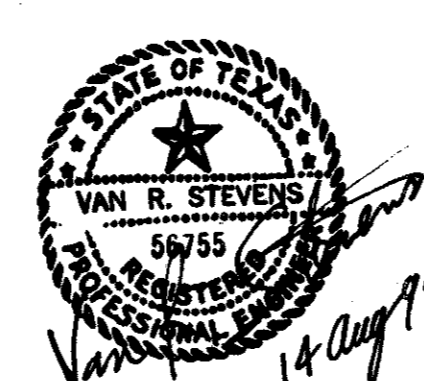
Receipt (As-built) Certification
 I have checked this submission, see cert, that it conforms to the requirements of this contract in all respects, except as otherwise noted.
 Project Number: 7-7-99
 Drawing Number: CC6-0003
 Name of Engineer: JIM KADIE
 Title of Engineer: PRESIDENT
 State of Texas Professional Engineer License No. 59755
 Date: 14 AUG. 1997

7-7-99

CONFORMED

CONTRACT SHEET No. 25 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
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△							△						
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△							△						



WENDY LOPEZ & ASSOC.
 LOCKWOOD, ANDREWS & NEWNAM
 THE SWA GROUP
 GERARD & ASSOCIATES
 ZAXON

WLA
 WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 102 MARKET CENTER BLVD - SUITE 200
 DALLAS, TEXAS 75201
 (214) 76-7777



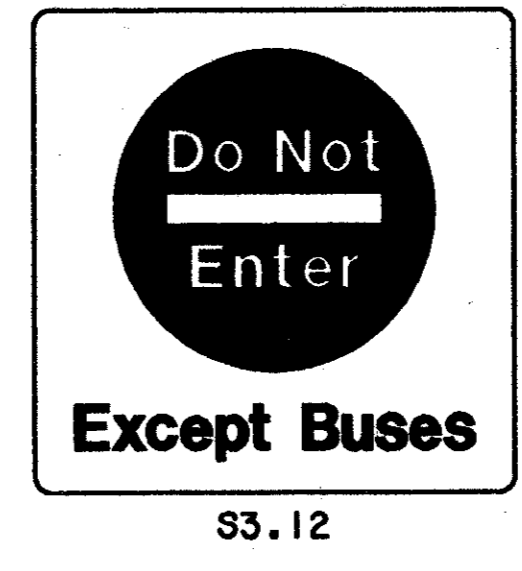
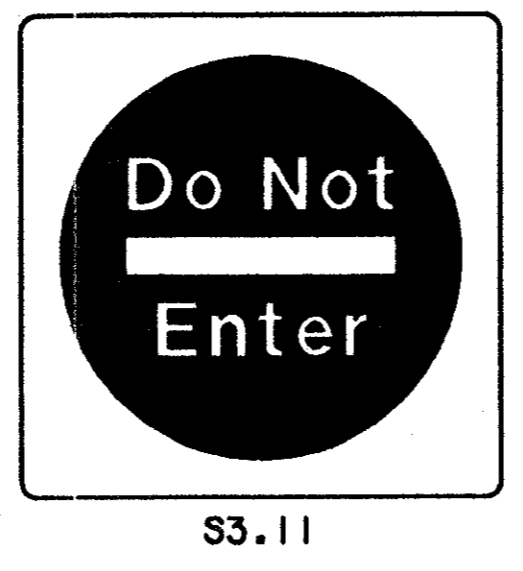
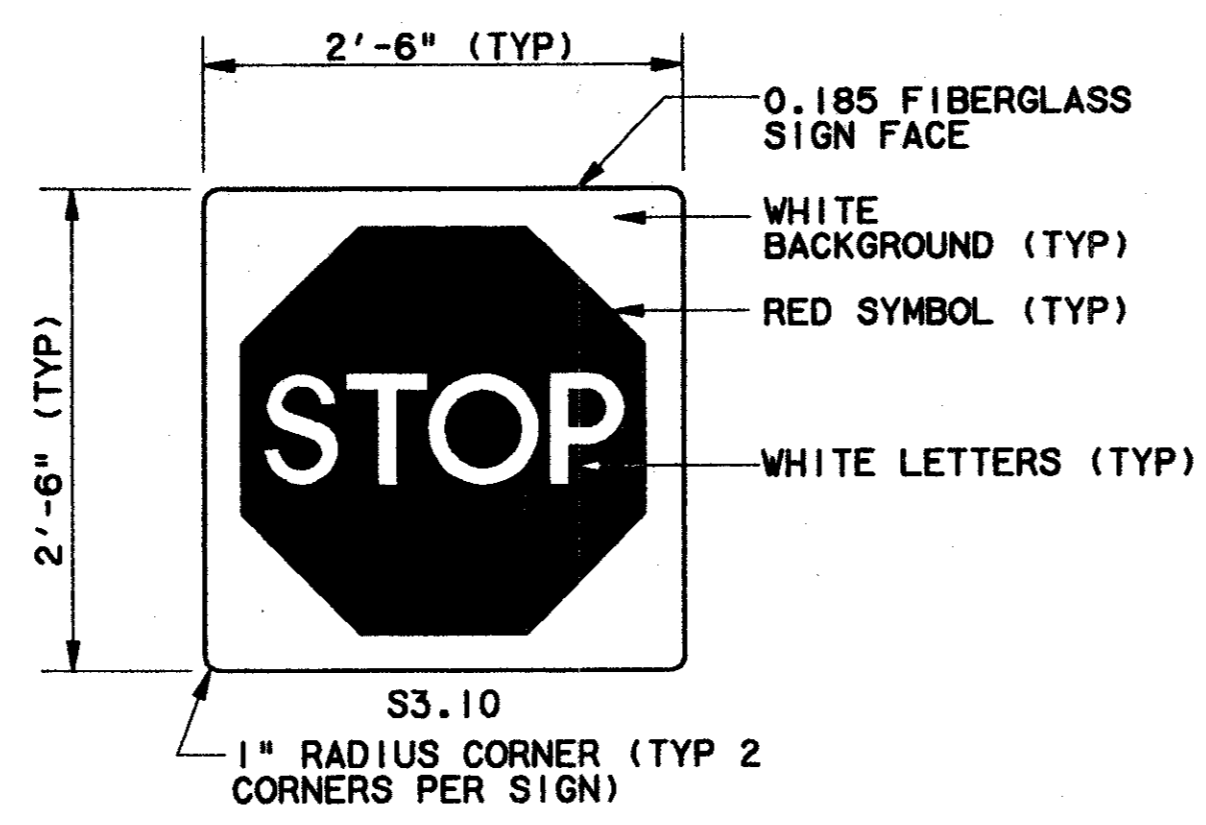
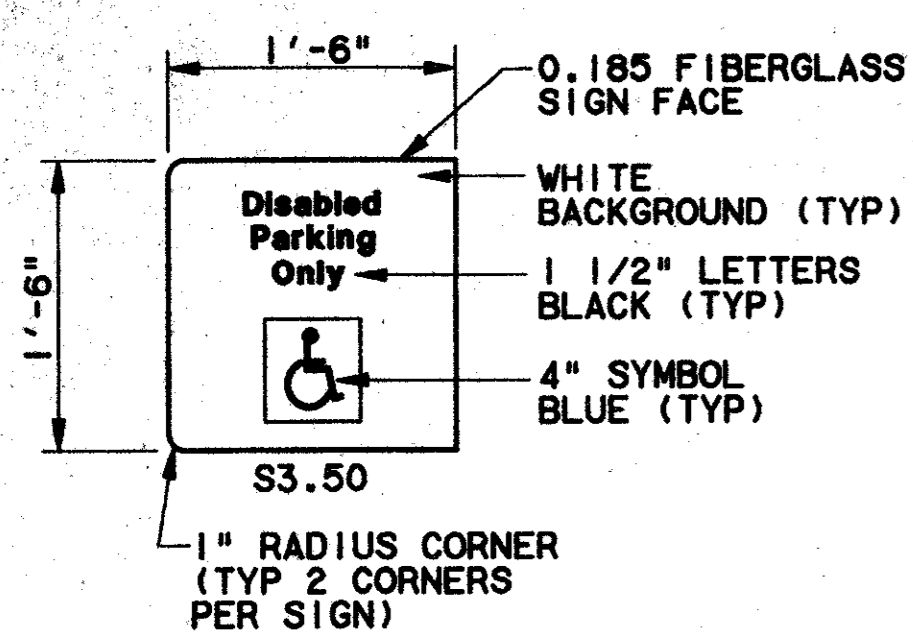
SCALE: AS NOTED
 DRAWN: N. DEREMER
 DESIGNED: D. KRUCIAK
 CHECKED: V. STEVENS
 IN CHARGE: V. STEVENS
 DATE: 14 AUG. 1997

**ADDISON
 TRANSIT CENTER
 PAVEMENT SECTIONS**

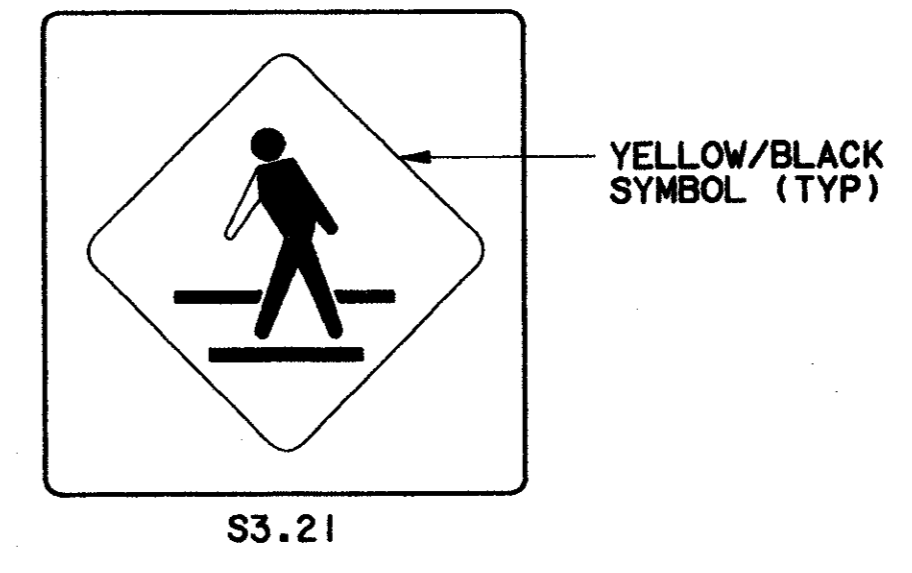
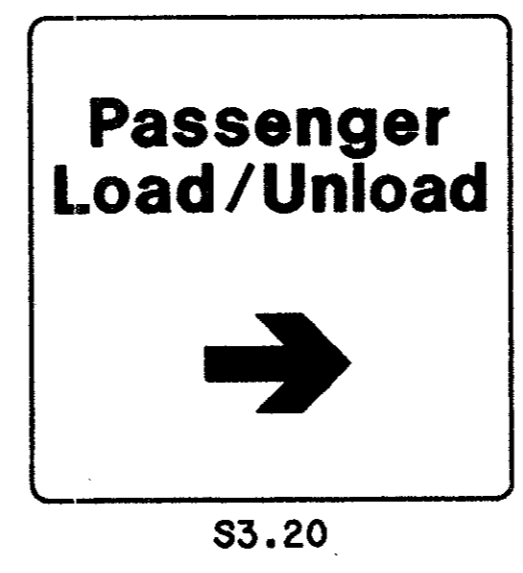
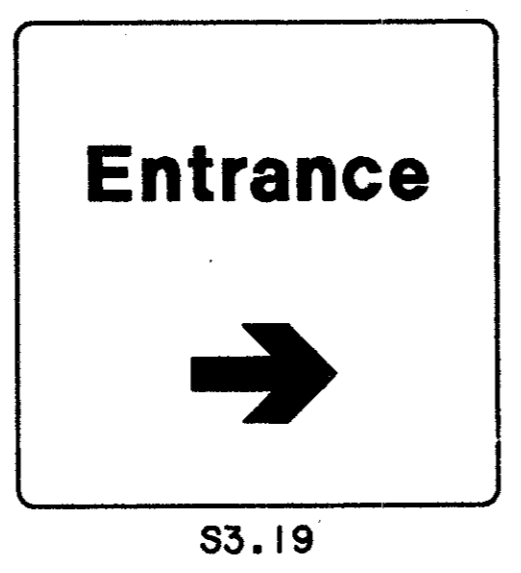
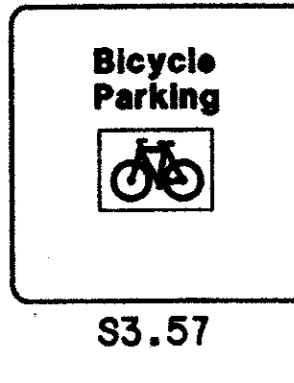
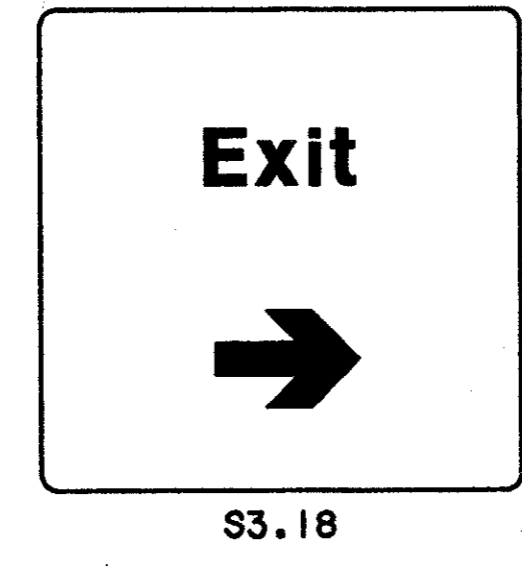
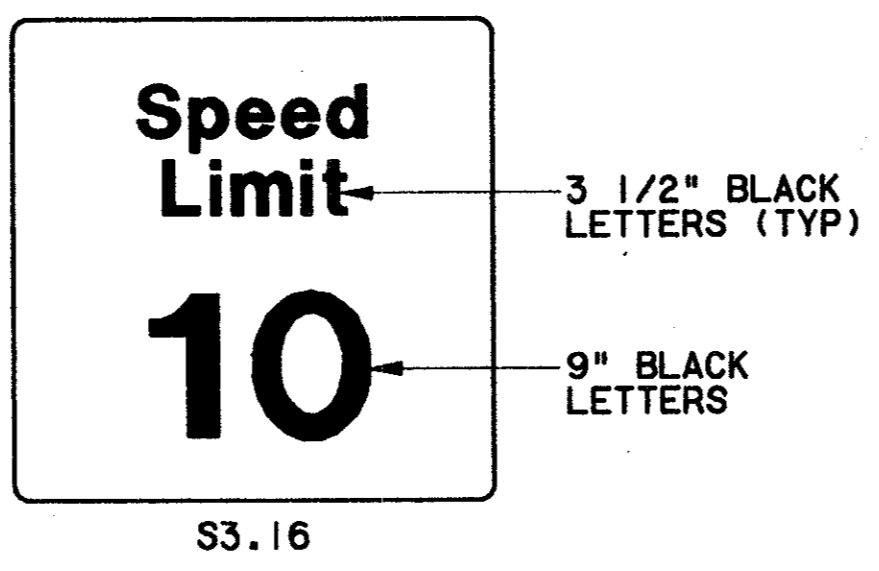
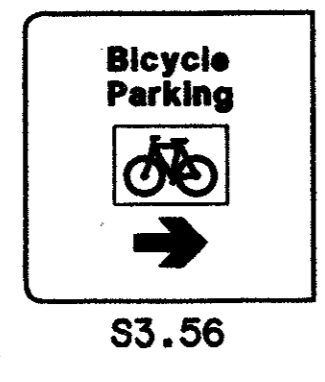
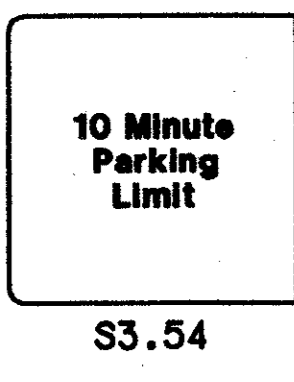
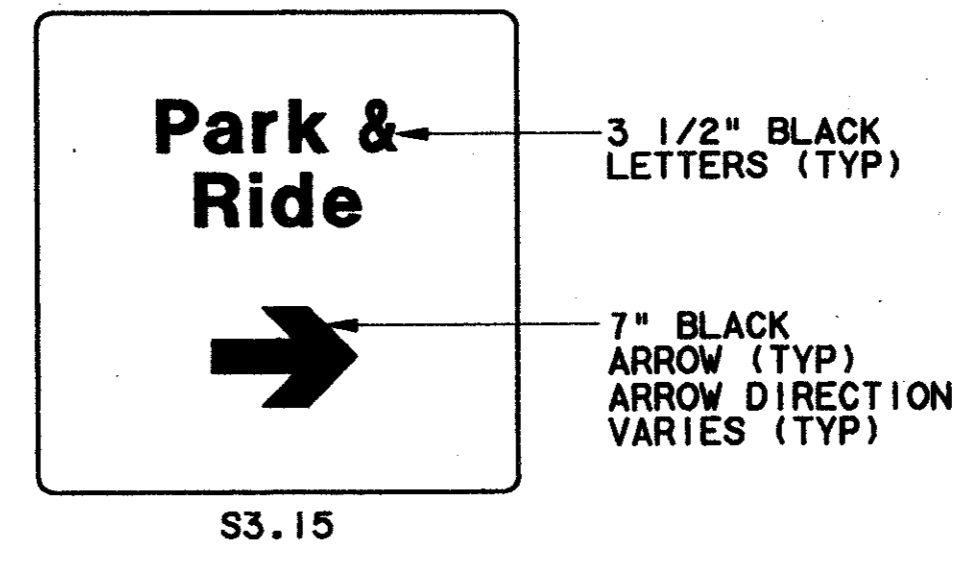
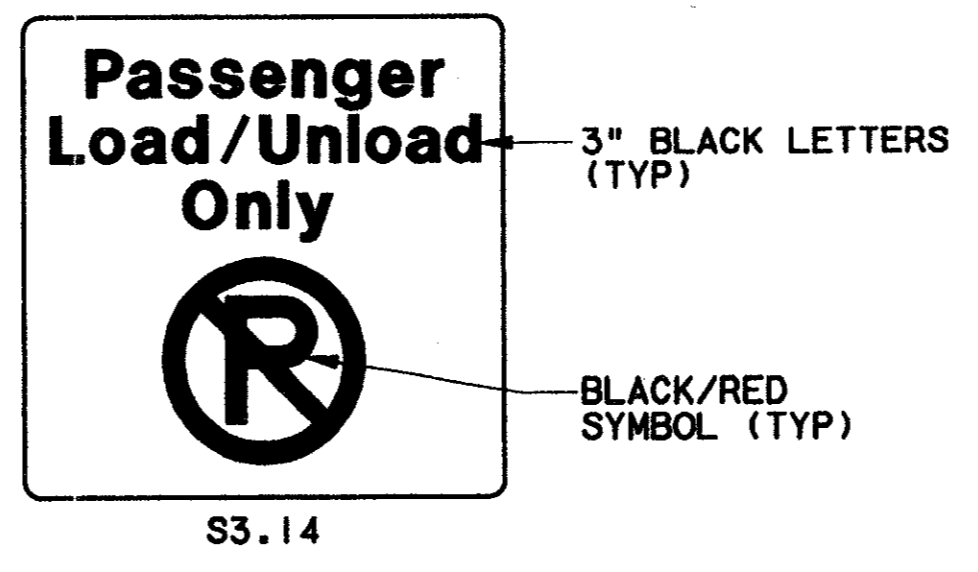
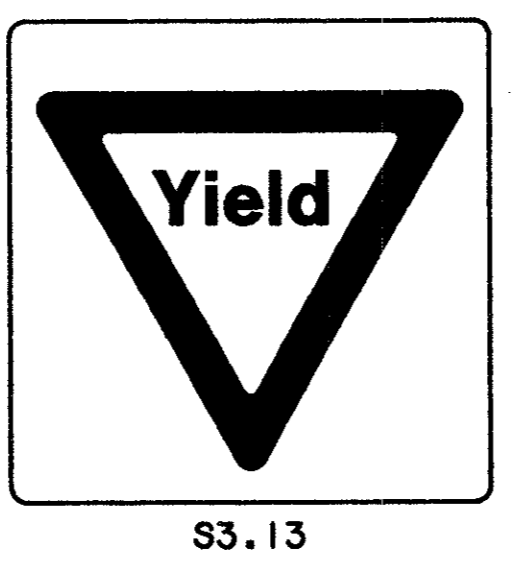
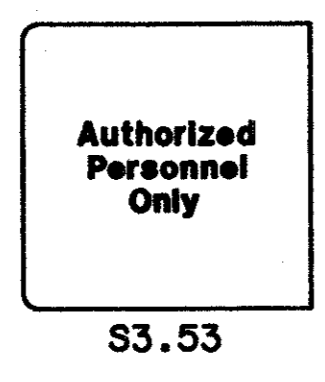
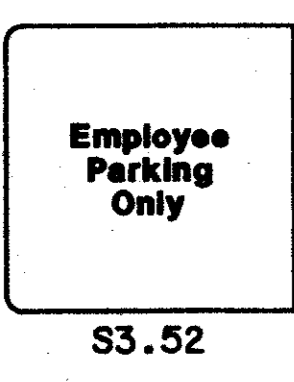
CONTRACT C-97000136 DWG No. CC6-0004 REV 0

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13 AUG 97
DART.TBL
JAMES LANDRY

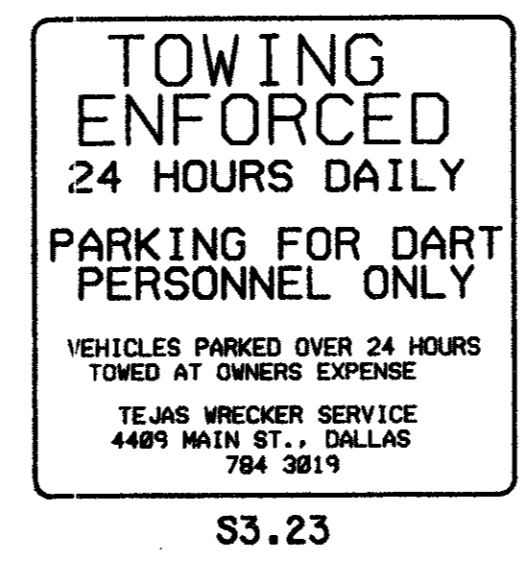
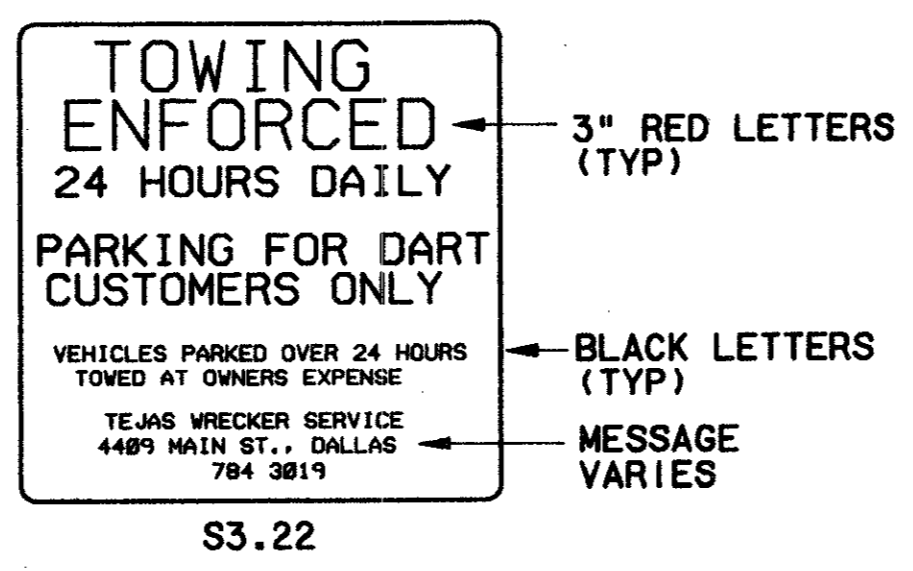
1000-100 ON 9/90



- GENERAL NOTES**
- REFER TO DART SIGN STANDARDS MANUAL FOR CORRECT FONTS, SYMBOLS AND REPRODUCTION ART.
 - SIGNS 3.10-3.56 ARE SINGLE FACE CONFIGURATION UNLESS OTHERWISE NOTED ON SITE-SPECIFIC SIGN SCHEDULES.
 - FOR SINGLE FACE CONFIGURATIONS BACK SIDE OF SIGN FACE TO BE WHITE.
 - ALL GRAPHICS TO BE SCREEN-PRINTED.
 - SIGNS WITH DIRECTIONAL DESIGNATION TO BE INDICATED AS FOLLOWS:
S3.XXR-ARROW RIGHT
S3.XXL-ARROW LEFT
S3.XXU-ARROW UP
 - CAMERA READY ARTWORK FOR SIGN TO BE SUPPLIED BY OWNER.



ELEVATIONS SIGN PANELS S3.50 - S3.56
SCALE: 1"=1'-0" (A)



ELEVATIONS SIGN PANELS S3.10 - S3.23
SCALE: 1"=1'-0" (B)

CONFORMED
7-7-99

CONTRACT SHEET No. 27 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
△							△						
△							△						
△							△						
△							△						
△							△						
△							△						

WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWMAN
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
102 MARKET CENTER BLVD. - SUITE 20
DALLAS, TEXAS 75202
(214) 746-7777

DART PROJECT

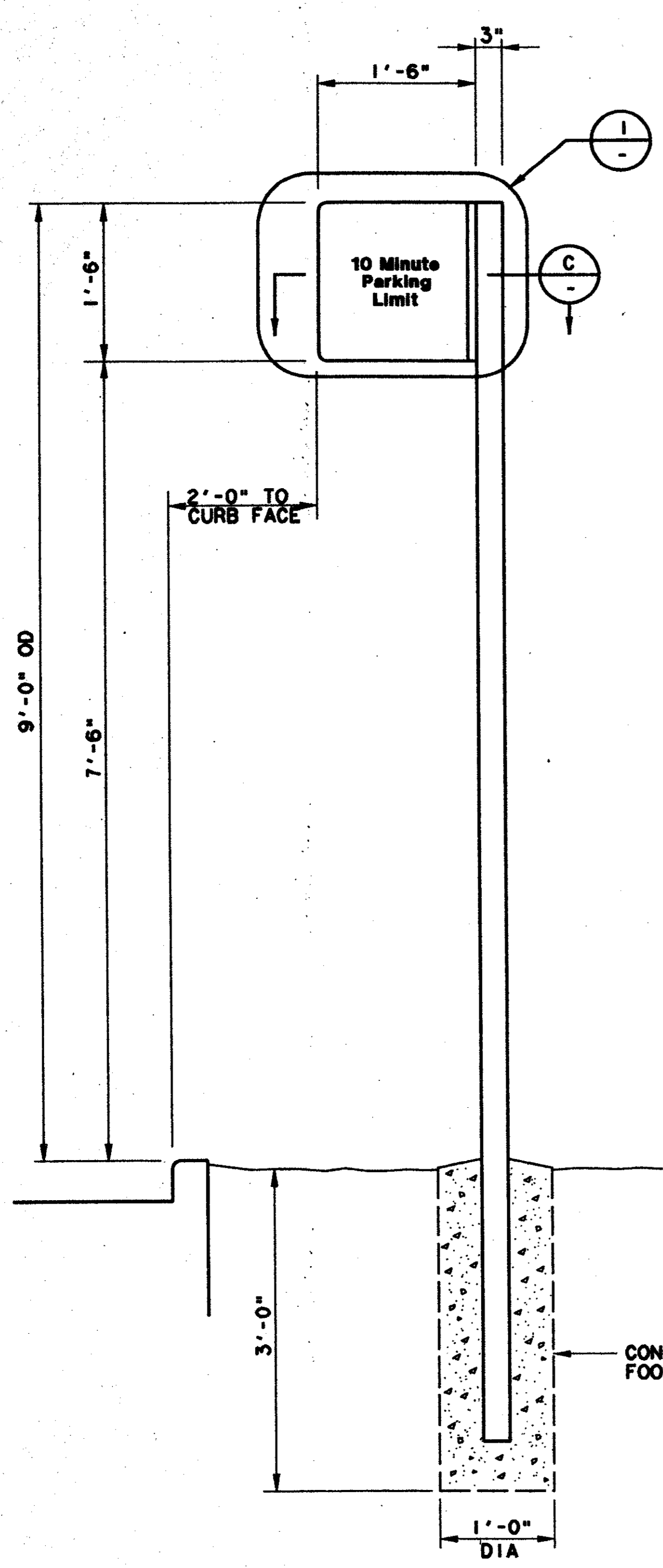
SCALE	AS NOTED
DRAWN	G. SCOLARO
DESIGNED	A. ZREET
CHECKED	L. BERNAUER
IN CHARGE	V. STEVENS
DATE	14 AUG. 1997

SIGNAGE STANDARDS
SIGN TYPES S3.10 - S3.56
TRAFFIC CONTROL SIGNS
DETAILS

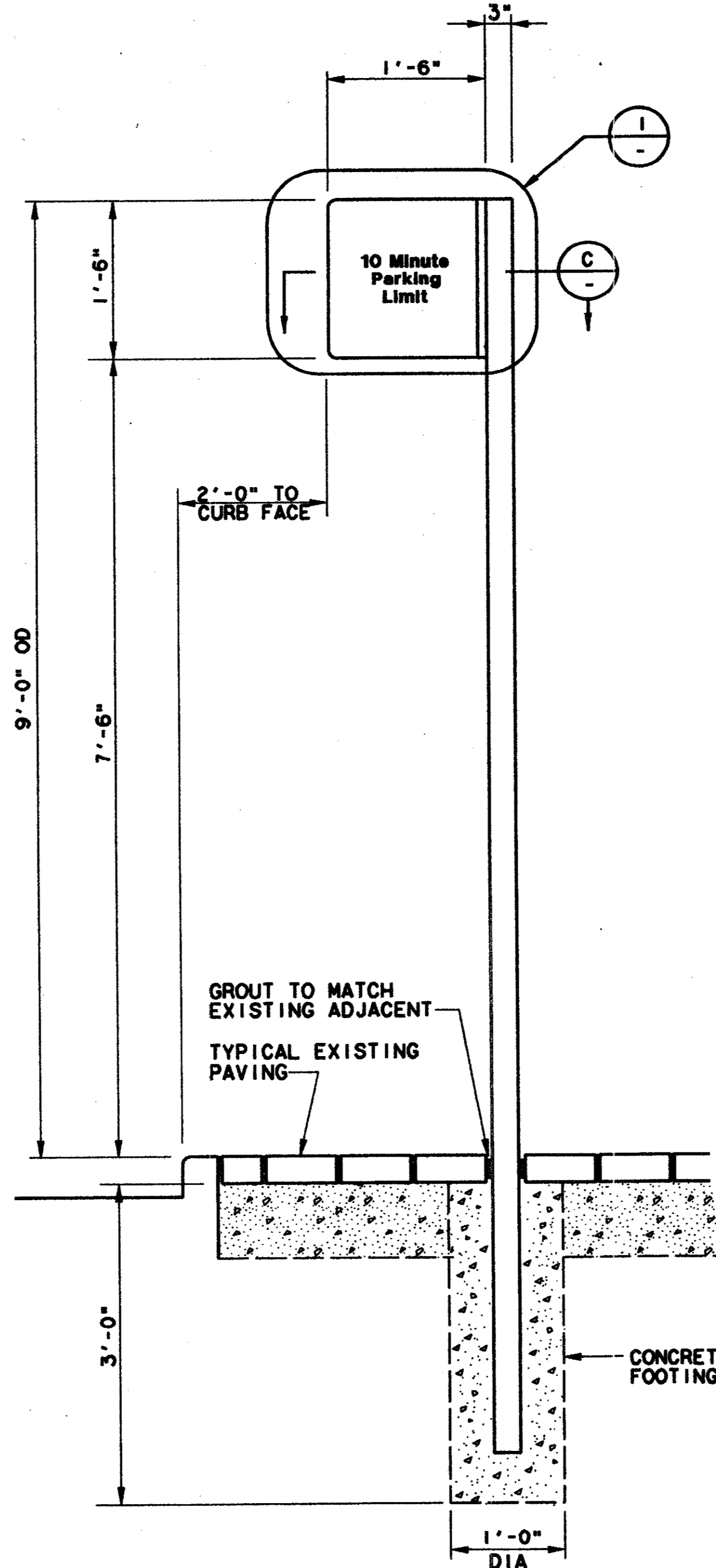
CONTRACT C-97000136
DWG No. CCI-0001
REV 0

PROJECT: DART PROJECT
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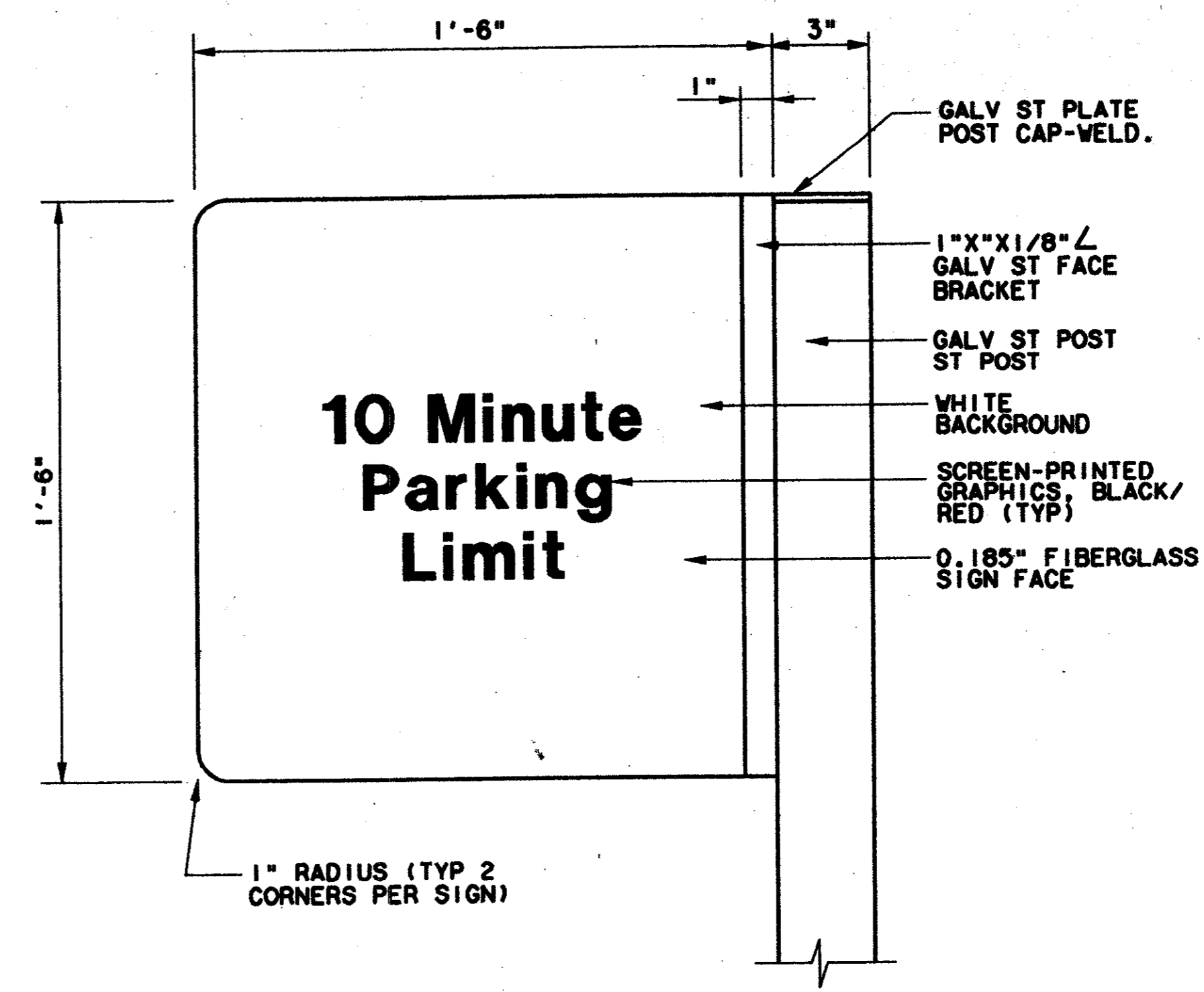
DWG No. AS9-0024



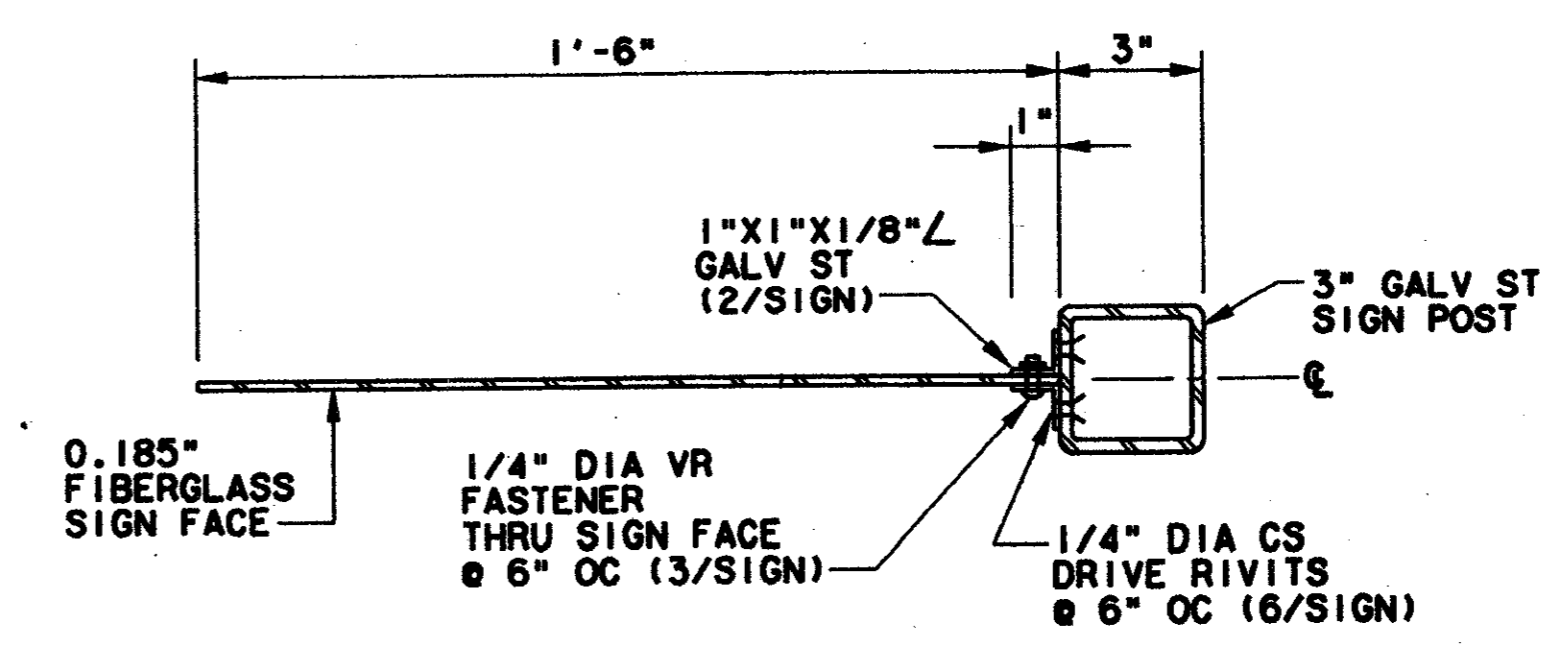
**FRONT ELEVATION
 LANDSCAPED CONDITION**
 SCALE: 1"=1'-0"



**FRONT ELEVATION
 PLATFORM CONDITION**
 SCALE: 1"=1'-0"



TYPICAL FACE DETAIL
 SCALE: 3"=1'-0"



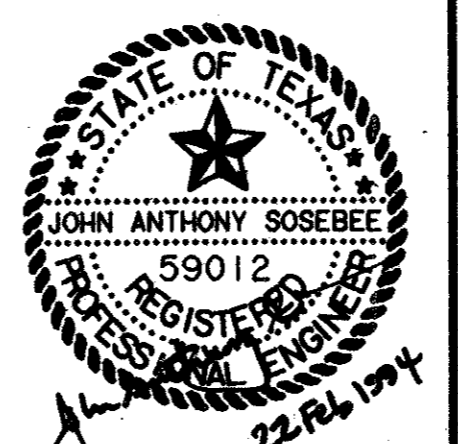
SECTION
 SCALE: 3"=1'-0"

- GENERAL NOTES**
- REFER TO DART SIGN STANDARDS MANUAL FOR CORRECT FONTS, SYMBOLS AND REPRODUCTION ART.
 - SIGNS 3.10-3.56 ARE SINGLE FACE CONFIGURATION UNLESS OTHERWISE NOTED ON SITE-SPECIFIC SIGN SCHEDULES.
 - FOR SINGLE FACE CONFIGURATIONS PAINT BACK SIDE OF SIGN FACE TO BE WHITE.
 - SIGN POST, CAP AND FACE BRACKET TO BE UNFINISHED FOR LANDSCAPED CONDITIONS. PAINT GRAY FOR PLATFORM CONDITIONS.
 - MOUNT SIGN FACES TO OTHER SIDE OF SIGN POSTS IN CONDITIONS WHERE SIGN POST LOCATION IS LESS THAN 3'-6" FROM CURB OR RIGHT OF WAY.

Second (As-built) Conditions
 Approved by: [Signature]
 IOM KNOX
 PRESIDENT

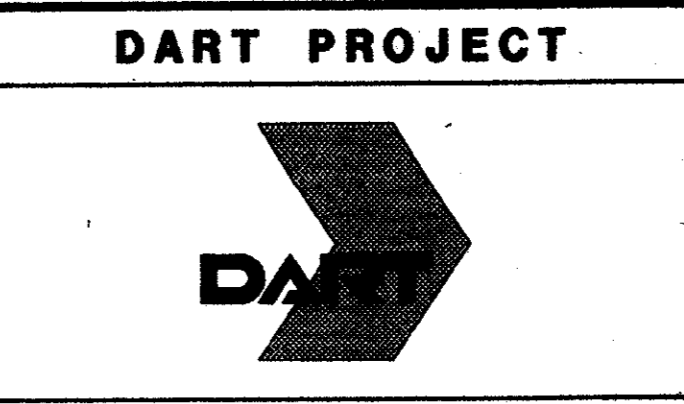
CONFORMED
 7-7-99

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
△	6-25-93	REVISED ENTIRE SHEET					△						
△	1-25-94	REVISE ENTIRE SHEET	GS	DS	AZ		△						
△							△						
△							△						
△							△						
△							△						
△							△						



ILIUM
 ILIUM ASSOCIATES, INC.
 500 108th Avenue NE
 Suite 2450
 Bellview, VA 98004

HUITT-ZOLLARS
 3131 HOKINNEY AVENUE/SUITE 600
 DALLAS, TEXAS/214-871-3311
 Sverdrup Corporation
 Barton-Aschman Associates, Inc.
 Arredondo, Brunz & Associates, Inc.
 LS Transit Systems
 Heilmuth Obata & Kossabaum, Inc.



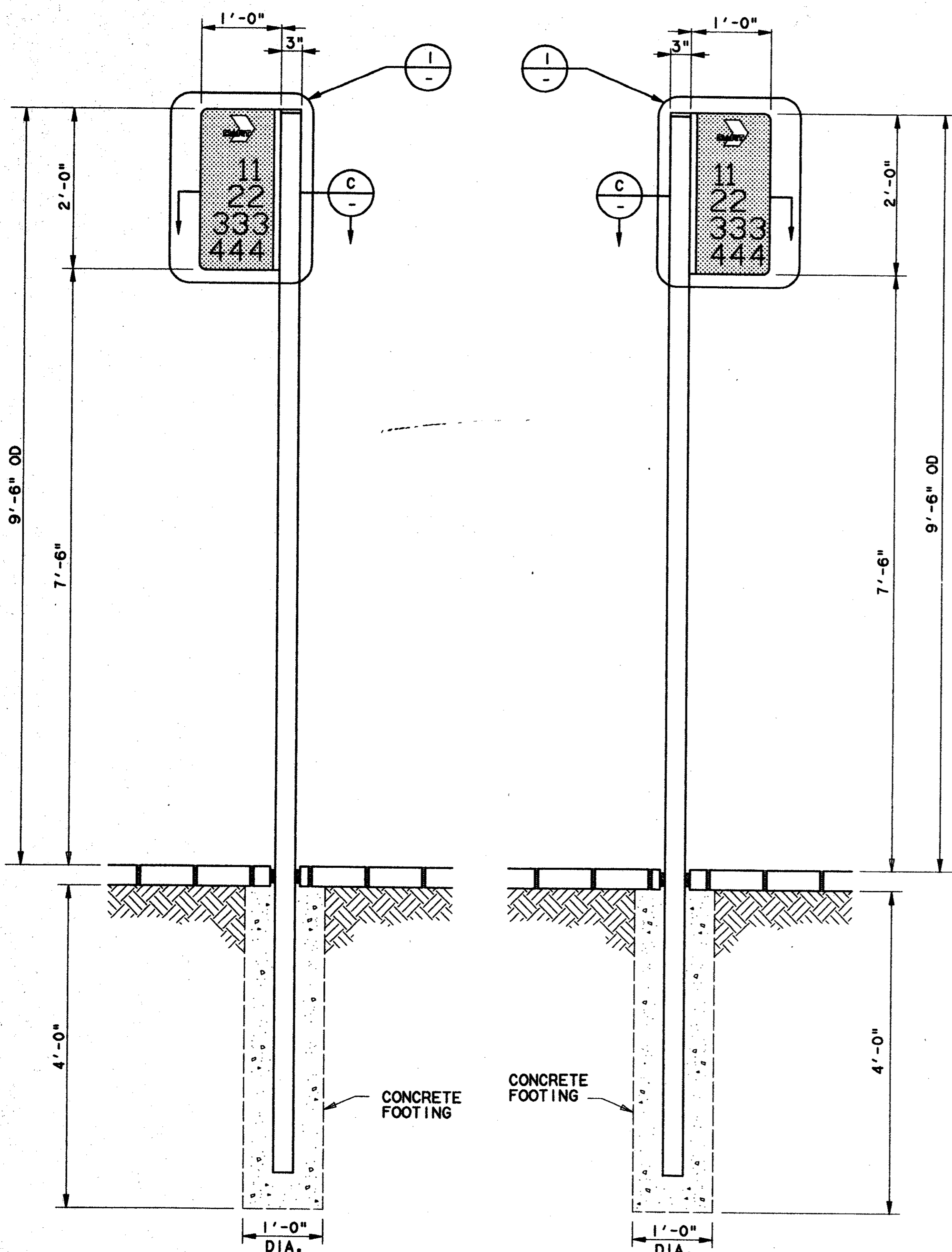
SCALE	AS NOTED
DRAWN	G. SCOLARO
DESIGNED	A. ZREET
CHECKED	L. BERNAUER
IN CHARGE	D. KELLY
DATE	16 FEB 93

CONTRACT SHEET No. 29 of 95	
SIGNAGE STANDARDS	
SIGN TYPES S3.50 - S3.56 TRAFFIC CONTROL SIGNS ELEVATIONS, DETAILS, SECTIONS	
CONTRACT C-97000136	DWG No. AS9-0024
REV 2	

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13 AUG 97
DART-TBI
JAMES LANDRY

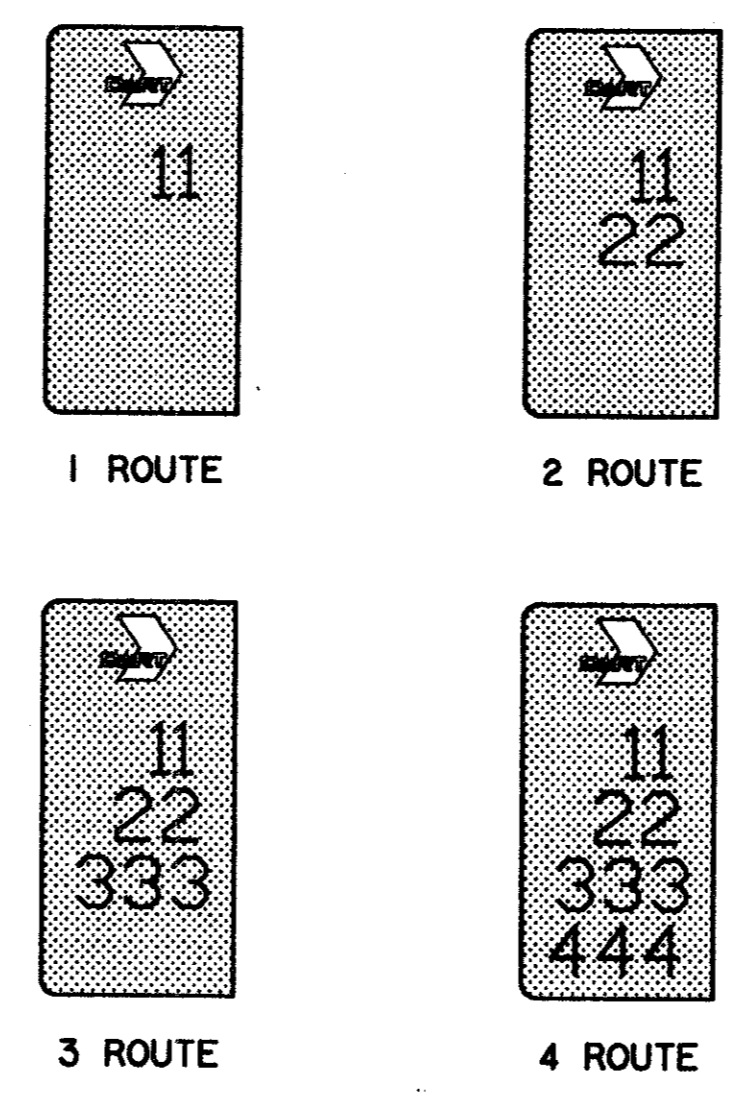
0000-6SV
ON GAD

- GENERAL NOTES
1. REFER TO DART SIGN STANDARDS MANUAL FOR CORRECT FONTS, SPACING, SYMBOLS AND REPRODUCTION ART.
 2. ALL S7.1 SIGNS ARE DOUBLE FACE CONFIGURATION.
 3. ROUTE NUMBERS VARY.
 4. FOR LOCATION, REFER DETAIL 3/CC6-0002

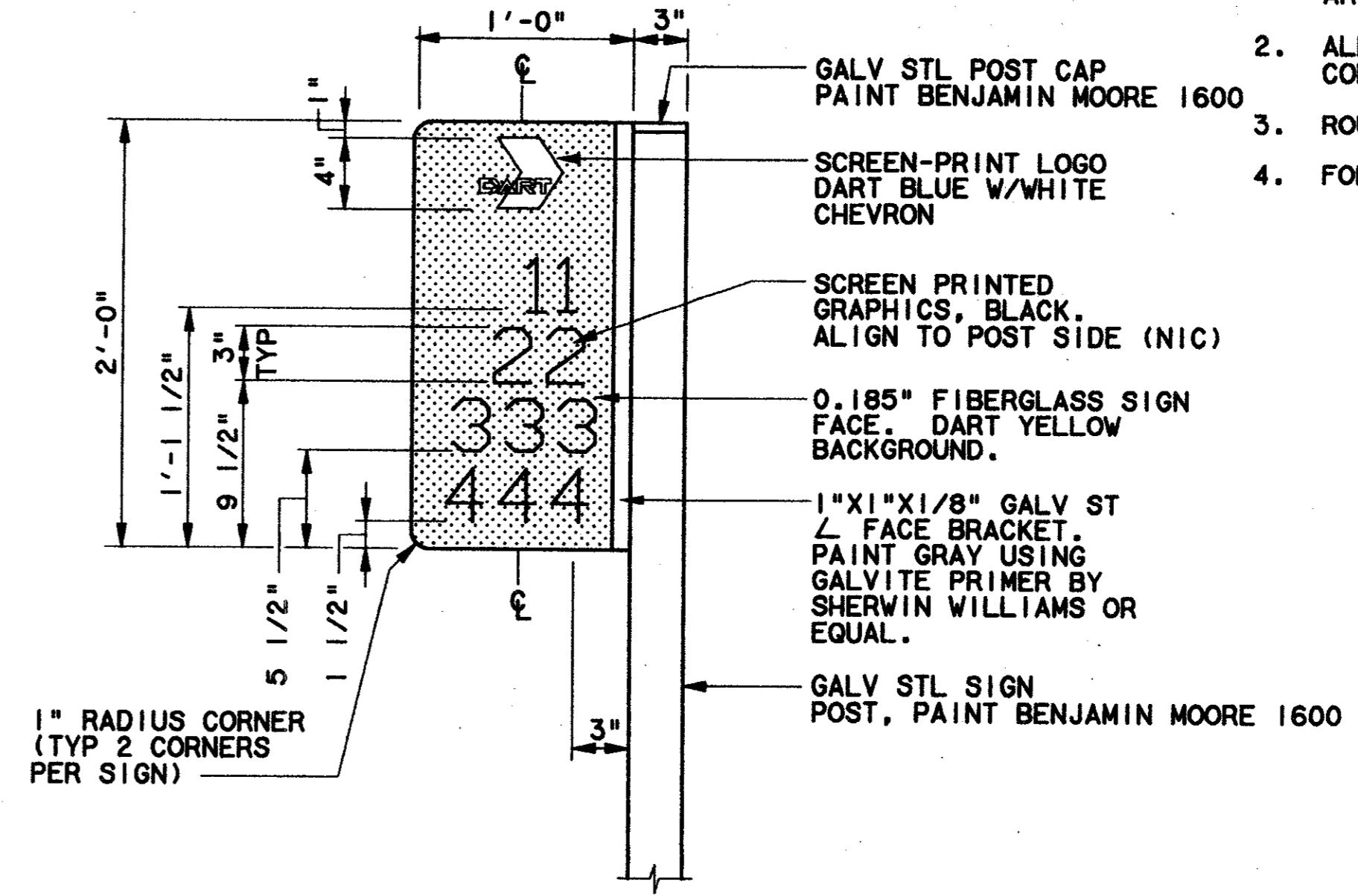


ELEVATION A
SCALE: 1"=1'-0"

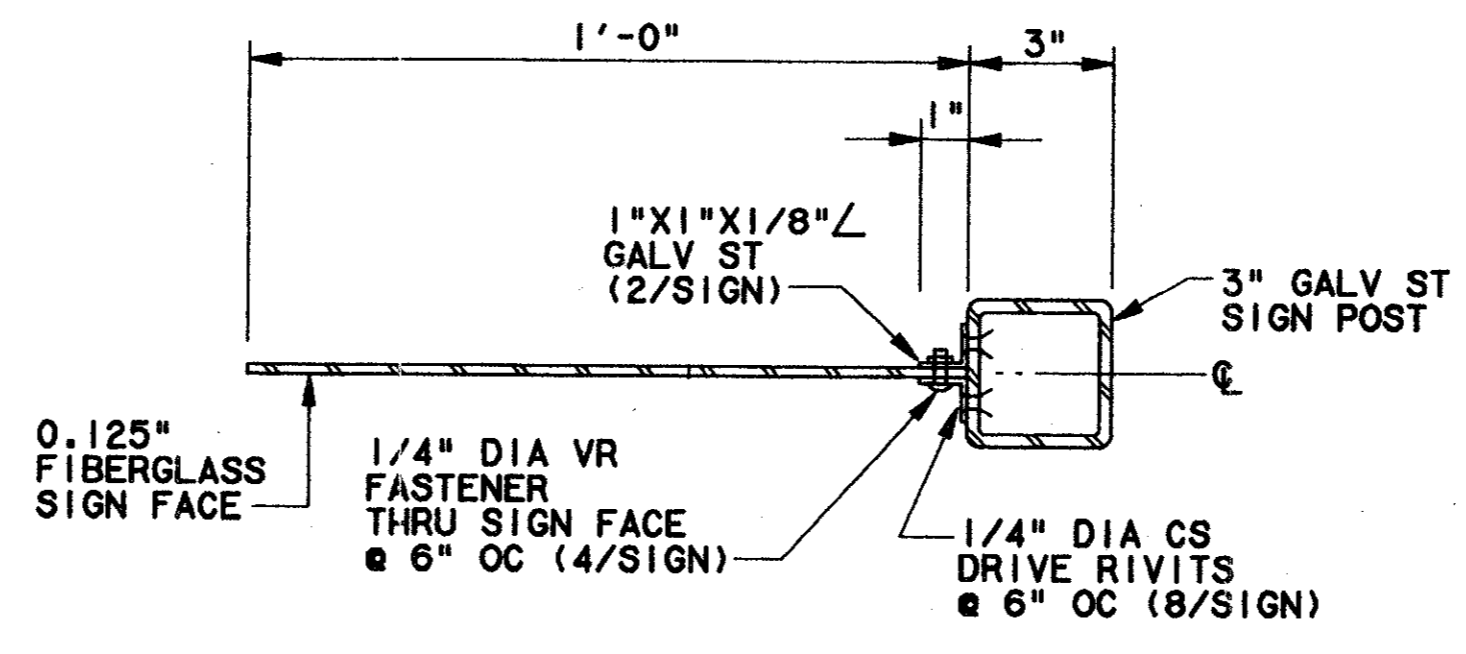
ELEVATION B
SCALE: 1"=1'-0"



ELEVATION-SIGN FACE LAYOUTS
SCALE: 1"=1'-0" A99-0015

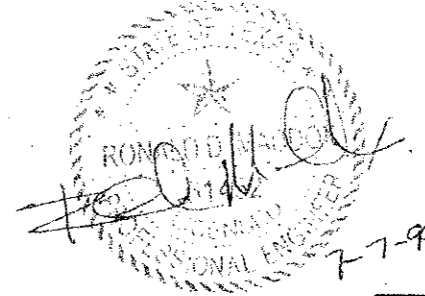


DETAIL I
SCALE: 1 1/2"=1'-0" A99-0015



SECTION C
SCALE: 3"=1'-0"

APPROVED
TOM KADER
PRESIDENT



CONFORMED

CONTRACT SHEET No. 30 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWNAM
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
102 MARKET CENTER BLVD - SUITE 50
DALLAS, TEXAS 75201
(214) 748-7777

DART PROJECT

SCALE	AS NOTED
DRAWN	R. PIERCE
DESIGNED	A. ZREET
CHECKED	M. QUIMBY
IN CHARGE	V. STEVENS
DATE	14 AUG. 1997

SIGNAGE STANDARDS

SIGN TYPE S7.1
FACILITY BUS STOP SIGN
ELEVATIONS, DETAILS, SECTIONS

CONTRACT C-97000136 DWG No. AC9-0003

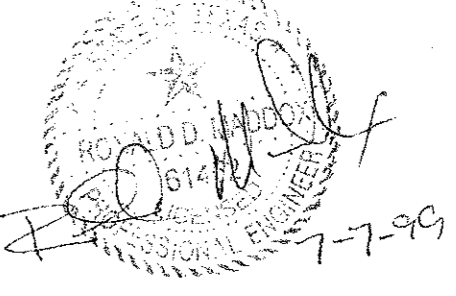
SYMBOLS

- PROFILE GRADE LINE / ELEVATION CONTROL POINT
- DIRECTION OF FLOW
- C OR B CENTERLINE OR BASELINE
- FUTURE OR NOT IN CONTRACT
- CENTERLINE
- BASELINE
- PROPERTY LINE
- DIMENSION LINE CONTINUES
- MATCH LINE
- 510 CONTOUR LINE
- TRACK (TRANSIT) CENTER LINE
- FENCE LINE
- STRUCTURE OUTLINE
- RAILROAD TRACKS
- CLEANOUT
- MANHOLE
- SIDEWALK AND MISC. LINES
- DROP INLET, CATCH BASIN OR DRAIN - TO SCALE
- CULVERT HEADWALLS - TO SCALE
- .543.5 SPOT ELEVATION
- CURB LINE
- EXISTING BARRIER/RETAINING WALL
- PROPOSED BARRIER/RETAINING WALL
- GUARD RAIL
- HAND RAIL
- UNPAVED ROADS
- CONCRETE GUARD FENCE
- VEGETATION LINE
- AERIAL UTILITY
- TREE
- SHRUB
- POLE
- TL TRAFFIC POLE

- POWER POLE POINT
- GRID OF THE STATE PLANE COORDINATE SYSTEM
- BILLBOARD
- TOTAL CENTRAL ANGLE OF SPIRAL AND CIRCULAR CURVES
- SUFFIX (1) AT THE SYMBOL DENOTES DATA FOR THE FIRST CIRCULAR CURVE OF A COMPOUND CURVE
- SUFFIX (2) AT THE SYMBOL DENOTES DATA FOR THE SECOND CIRCULAR CURVE OF A COMPOUND CURVE
- CENTRAL ANGLE OF SPIRAL OR SPIRAL ANGLE
- CENTRAL ANGLE OF COMPOUND SPIRAL OR COMPOUND ANGLE (CS1 TO CS2)
- TOTAL CENTRAL ANGLE OF COMPOUND SPIRAL OR TOTAL COMPOUND SPIRAL ANGLE (FROM SPO TO SC2)
- SANITARY OR STORM SEWER MANHOLE
- ELECTRICAL OR TELEPHONE MANHOLE
- SANITARY (DIRECTION OF FLOW), PLUG
- REDUCER
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- CAP OR PLUG
- GAS VALVE
- GAS METER
- PULL BOX OR SPLICING CHAMBER
- LIGHT POLE
- FIRE SERVICE STAND PIPE
- TRAFFIC SIGN
- POLE GUY AND ANCHOR
- TRANSMISSION LINE TOWER
- UTILITY FACILITY LESS THAN 24"
- MAJOR UTILITY FACILITY 24" OR LARGER IN PLAN VIEW
- FACILITY TO BE ABANDONED
- SD STORM DRAIN
- UD UNDERDRAIN
- SS SANITARY SEWER

- WATER LINE
- GAS LINE
- TRAFFIC SIGNALIZATION LINE
- ELECTRIC POWER LINE
- ELECTRIC LINE, STREET LIGHTING
- TELEPHONE LINE
- TELEGRAPH LINE
- CABLEVISION LINE
- EXISTING STREET/RAILROAD RIGHT-OF-WAY LINE
- EXISTING PROPERTY LINE
- DART PROPOSED RIGHT-OF-WAY LINE
- EXISTING EASEMENT LINE
- DART PROPOSED EASEMENT LINE
- COPPER, IRON PIN, PIPE IRON ROD MARKERS OR ANY PROPERTY CORNER
- RIGHT-OF-WAY OR CONTROL MONUMENT OR MARKERS
- EXISTING INTERSECTION OF PROPERTY LINES
- INTERSECTION OF PROPOSED DART RIGHT-OF-WAY LINES
- PROPOSED DART RIGHT-OF-WAY MONUMENT
- PROPOSED CASING
- O/H LINES OVERHEAD LINES
- O/H(E) OVERHEAD ELECTRIC LINES
- UG(T) UNDERGROUND TELEPHONE LINE
- UG(E) UNDERGROUND ELECTRIC LINE
- LEFT HAND TURNOUT
- RIGHT HAND TURNOUT
- POINT OF SWITCH
- POINT OF INTERSECTION OF TURNOUT
- TRAFFIC CONTROL GATE
- TEST BORING LOCATION
- EQUALATERAL TURNOUT
- DOUBLE CROSSOVER
- PROPOSED RETAINING WALL
- PROPOSED STREET CLOSING
- PROPOSED STREET CONSTRUCTION

Professional Engineer
 State of Texas
 License No. 136
 PETER G. JACOBS
 7-7-99



CONFORMED

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP

PETER G. JACOBS
 67725
 REGISTERED PROFESSIONAL ENGINEER

HUITT - ZOLLARS
 3131 MCKINNEY AVENUE/SUITE 000
 DALLAS, TEXAS 75244-3311

Sverdrup Corporation
 Barton-Aschman Associates, Inc.
 Arredondo, Brunz & Associates, Inc.
 LS Transit Systems
 Hellmuth Obata & Kassabaum, Inc.

DART PROJECT

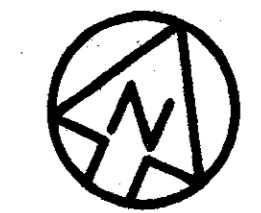
SCALE	NONE
DRAWN	R. PIERCE
DESIGNED	V. DRISCOLL
CHECKED	D. SMITH
IN CHARGE	R. BOLDUC
DATE	01 OCT 91

CONTRACT SHEET No. 31 of 95	
LIGHT RAIL TRANSIT SYSTEM	
STANDARD GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS	
CONTRACT C-97000136	DWG No. CSI-0005
REV O	

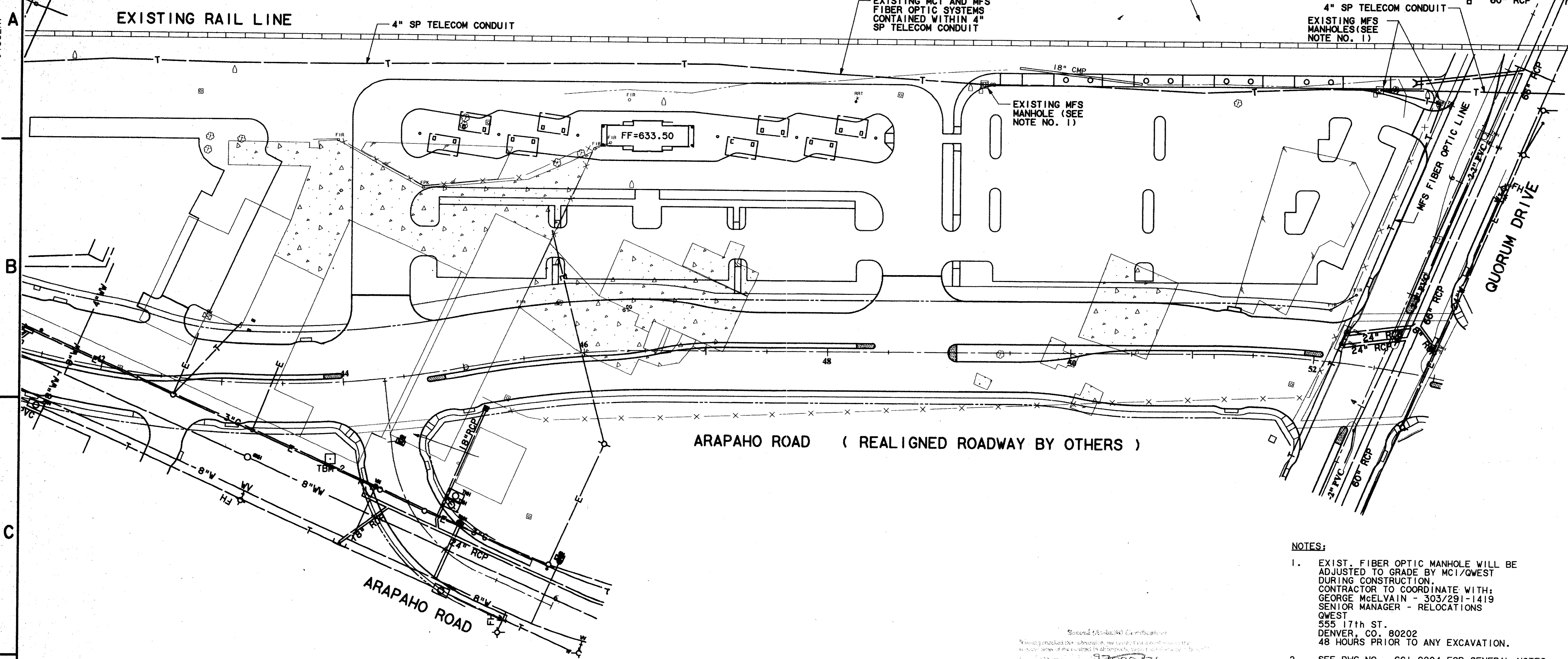
1000-230N ON 9AD

BROADWAY STREET

MAJOR FIBER OPTIC LINES, GAS LINE, PETROLEUM PIPE LINE, AS WELL AS STORM SEWER AND WASTEWATER LINES EXIST WITHIN OR NEAR THIS 100' R.O.W. CONTRACTOR SHALL COORDINATE WITH THESE UTILITY COMPANY/AGENCIES AND SHALL EXERCISE EXTREME CARE WHEN WORKING WITHIN THIS AREA. CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL COSTS INCURRED DUE TO DAMAGE OF LINES.



SCALE (IN FEET)
0 20 40 80



- NOTES:**
- EXIST. FIBER OPTIC MANHOLE WILL BE ADJUSTED TO GRADE BY MCI/QWEST DURING CONSTRUCTION. CONTRACTOR TO COORDINATE WITH: GEORGE McELVAIN - 303/291-1419 SENIOR MANAGER - RELOCATIONS QWEST 555 17th ST. DENVER, CO. 80202 48 HOURS PRIOR TO ANY EXCAVATION.
 - SEE DWG NO. GC1-0004 FOR GENERAL NOTES

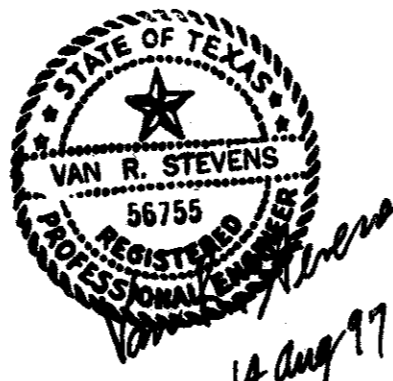
Second (Professional) Certification
I hereby certify that the information on these drawings was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer in the State of Texas.
Date: 8/14/97
Signature: *[Handwritten Signature]*
Title: PRESIDENT

CONFORMED

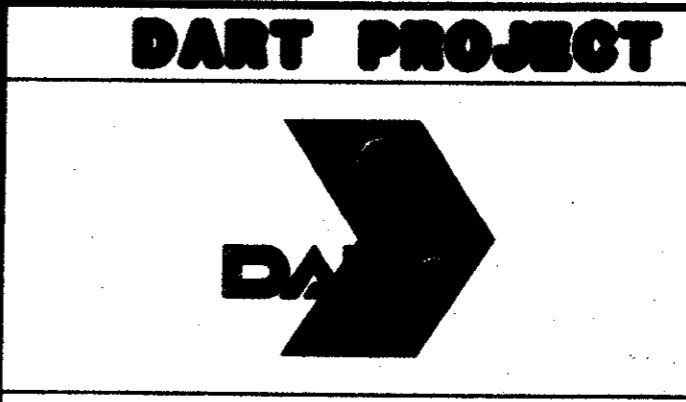
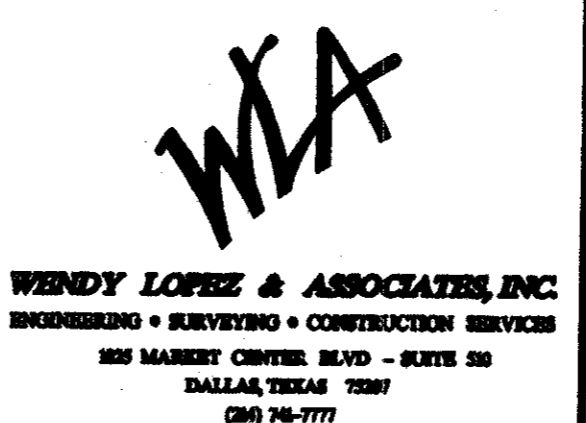
CONTRACT SHEET No. 32 OF 95

**ADDISON
TRANSIT CENTER
EXISTING UTILITIES
LAYOUT**

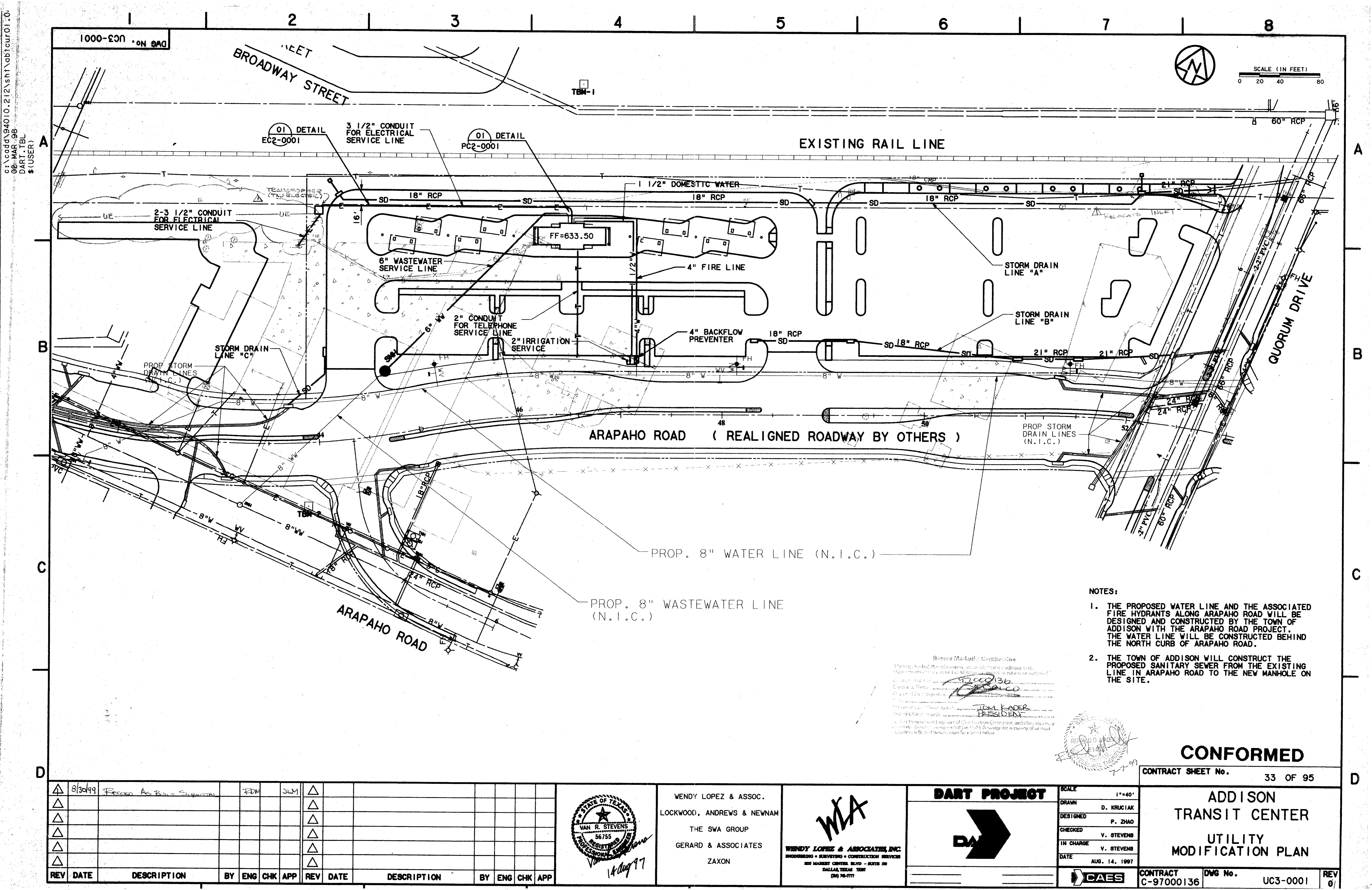
REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWMAN
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON



SCALE 1"=40'
DRAWN D. KRUCIAK
DESIGNED P. ZHAO
CHECKED V. STEVENS
IN CHARGE V. STEVENS
DATE AUG. 14, 1997



DWG No. UC3-0001

BROADWAY STREET

EXISTING RAIL LINE

ARAPAHO ROAD (REALIGNED ROADWAY BY OTHERS)

QUORUM DRIVE

SCALE (IN FEET)
0 20 40 80

01 DETAIL EC2-0001

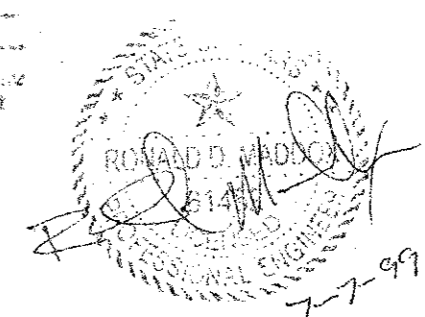
01 DETAIL PC2-0001

FF=633.50

NOTES:

1. THE PROPOSED WATER LINE AND THE ASSOCIATED FIRE HYDRANTS ALONG ARAPAHO ROAD WILL BE DESIGNED AND CONSTRUCTED BY THE TOWN OF ADDISON WITH THE ARAPAHO ROAD PROJECT. THE WATER LINE WILL BE CONSTRUCTED BEHIND THE NORTH CURB OF ARAPAHO ROAD.
2. THE TOWN OF ADDISON WILL CONSTRUCT THE PROPOSED SANITARY SEWER FROM THE EXISTING LINE IN ARAPAHO ROAD TO THE NEW MANHOLE ON THE SITE.

Approved (Title-Block) Classification
 I hereby certify that the information contained herein conforms to the requirements of the State of Texas, and that I am a duly licensed Professional Engineer in the State of Texas.
 Wendy Lopez & Associates, Inc.
 Wendy Lopez, P.E.
 President

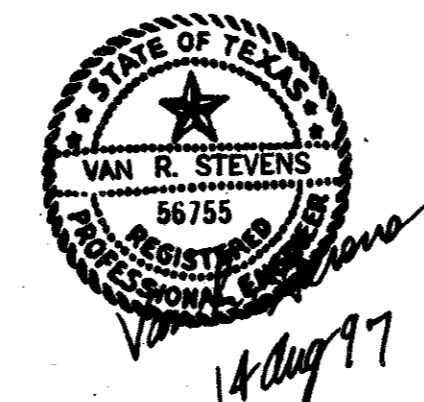


CONFORMED

CONTRACT SHEET No. 33 OF 95

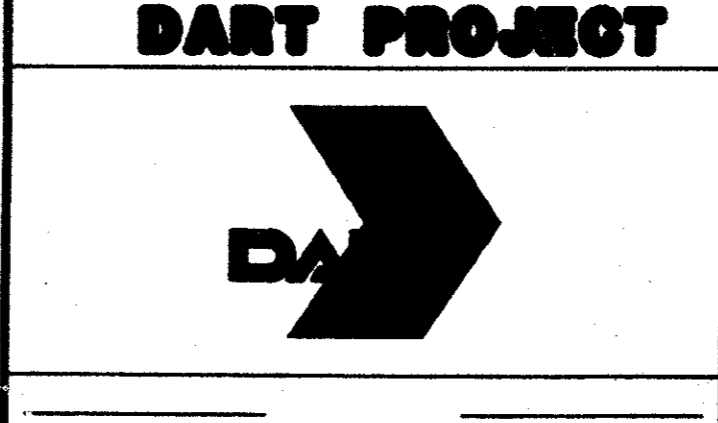
ADDISON
TRANSIT CENTER
UTILITY
MODIFICATION PLAN

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
1	8/31/99	Revised As Built Survey	JDM		SLM								



WENDY LOPEZ & ASSOC.
 LOCKWOOD, ANDREWS & NEWMAN
 THE SWA GROUP
 GERARD & ASSOCIATES
 ZAXON

WLA
 WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 285 MARKET CENTER BLVD - SUITE 200
 DALLAS, TEXAS 75201
 (214) 751-7777



SCALE 1"=40'
 DRAWN D. KRUCIAK
 DESIGNED P. ZHAO
 CHECKED V. STEVENS
 IN CHARGE V. STEVENS
 DATE AUG. 14, 1997

CONTRACT C-97000136 DWG No. UC3-0001 REV 0/1

2000-UC3-0003

N 4890.1280
E 4381.5510
PI 6" WASTEWATER
1-6" x 45° BEND
6" FL 629.70

01 DETAIL
UC3-0003

N 4918.3680
E 4464.9680
PI 1/2" DOMESTIC
WATER SERVICE

N 4922.3950
E 4466.8300
PI 4" FIRE LINE

N. 4299.5380
E. 4684.4070
CONSTRUCT NEW
MANHOLE
8" FL 624.80
6" FL 625.27
RIM 630.80
STUB-OUT & CAP 5 LF
OF 8" WW OR CONNECT
TO 8" WW

PROP.
1-8"x22 1/2" BEND
1-8"x11 1/4" BEND
(N.I.C.)

PROP.
1-8"x45° BEND
(N.I.C.)

PROPOSED STORM
DRAINS
(N.I.C.)

01 DETAIL
UC1-0001
46

PROP.
1-8"x6" TEE
1-6" VALVE
1-FIRE HYDRANT
(N.I.C.)

PROP.
1-8"x22 1/2" BEND
(N.I.C.)

ARAPAHO ROAD (REALIGNED ROADWAY BY OTHERS)

PROPOSED STORM
DRAINS (N.I.C.)

PROP.
1-8"x6" TEE
1-6" VALVE
1-FIRE HYDRANT
(N.I.C.)

STA. 47+15.29
PROP.
1-8"x6" TEE
1-6" PLUG
(N.I.C.)

PROP.
1-8"x6" TEE
1-6" VALVE
1-FIRE HYDRANT
(N.I.C.)

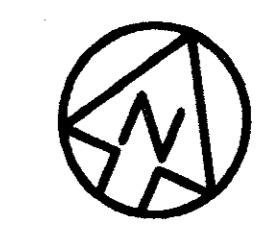
PROP.
1-24"x8" TAPPING SLEEVE
& 8" VALVE
CONNECT TO EXISTING
24" WATER LINE
(N.I.C.)

PROP. 8" WATER LINE (N.I.C.)

PROP. 8" WASTEWATER LINE
(N.I.C.)

PROP.
1-8"x8" TAPPING SLEEVE
& 8" VALVE
CONNECT TO EXISTING
8" WATER LINE
(N.I.C.)

PROP.
CONNECT TO EXISTING
WASTEWATER MANHOLE
W/ NEW 8" WW
FL 623.00 (PROP.)
(N.I.C.)



SCALE (IN FEET)
0 20 40 80

N 4896.0790
E 4395.1920
BEGIN 6" SS
F/L=630.00

CIVIL CONTRACTOR

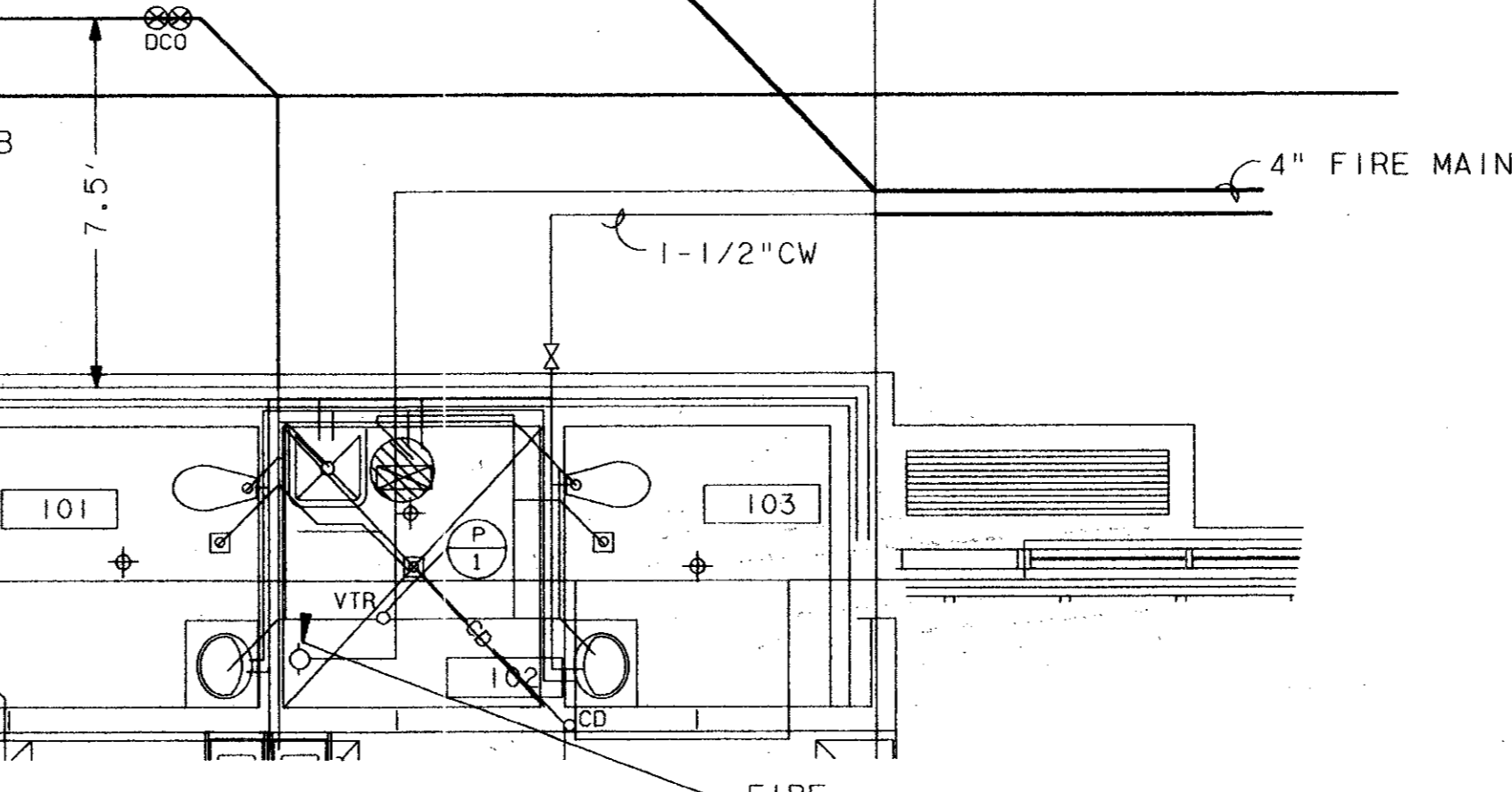
PLUMBING CONTRACTOR

01 DETAIL
PC2-0001

PLUMBING CONTRACTOR

CIVIL CONTRACTOR

FACE OF CURB



DETAIL 01
SCALE: 1/4"=1'-0" UC3-0003

BENCHMARKS
TBM-1
60d NAIL IN UTILITY POLE
AT THE SOUTHEAST CORNER
OF JULIAN AND BROADWAY
ELEV. =632.50

TBM-2
"D" CUT ON SOUTHEAST CORNER
OF CONCRETE WALK AT FRONT
ENTRANCE TO 4805 ARAPAHO ROAD.
ELEV. =630.61

Record (As-built) Certificate
I have checked the drawings, and certify that they are a true and correct representation of the work as performed, except as otherwise noted.
I, RONALD M. HALL
Professional Engineer
No. 1100030
State of Texas
I certify that the work shown on these drawings was done in accordance with the plans and specifications.
I, JIM KADER
President
I, RONALD M. HALL
Professional Engineer
No. 1100030
State of Texas

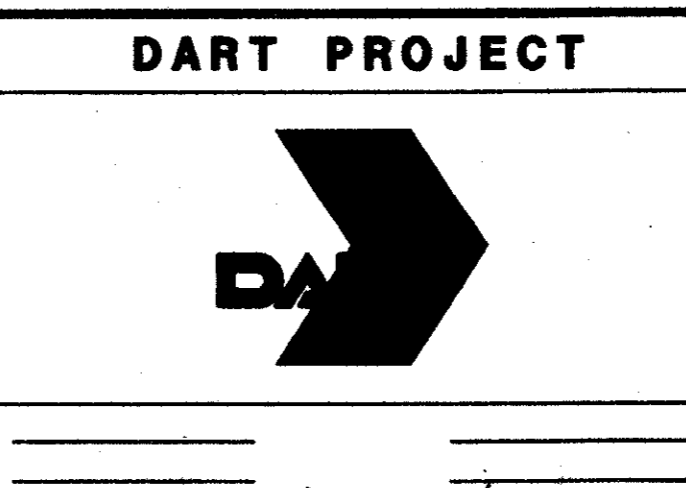
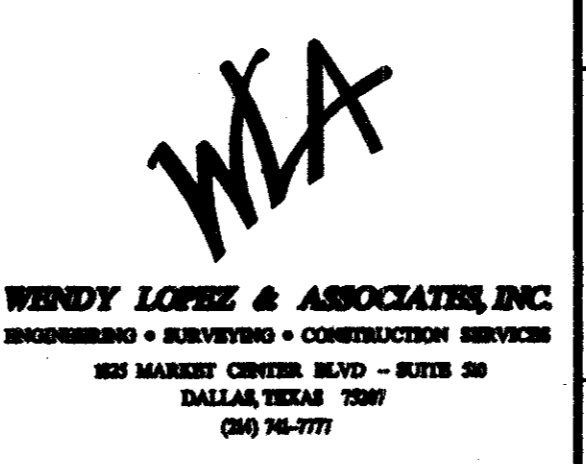
CONFORMED

CONTRACT SHEET No. 34 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWNAM
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON



SCALE 1"=40'
DRAWN D. KRUCIAK
DESIGNED P. ZHAO
CHECKED V. STEVENS
IN CHARGE V. STEVENS
DATE 14 AUG. 1997

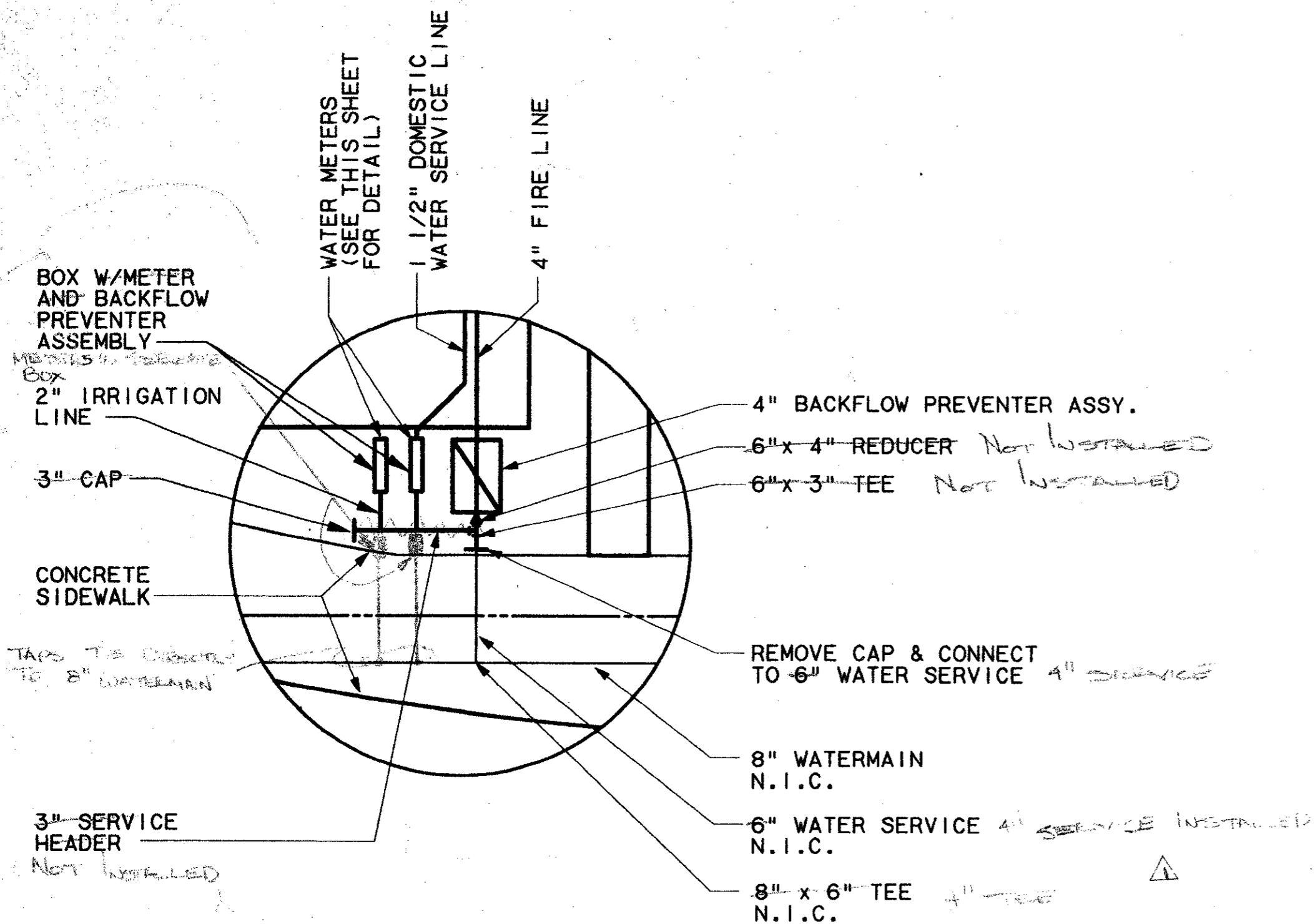
ADDISON TRANSIT CENTER WATER/WASTEWATER PLAN

CONTRACT C-97000136 DWG No. UC3-0002 REV 0

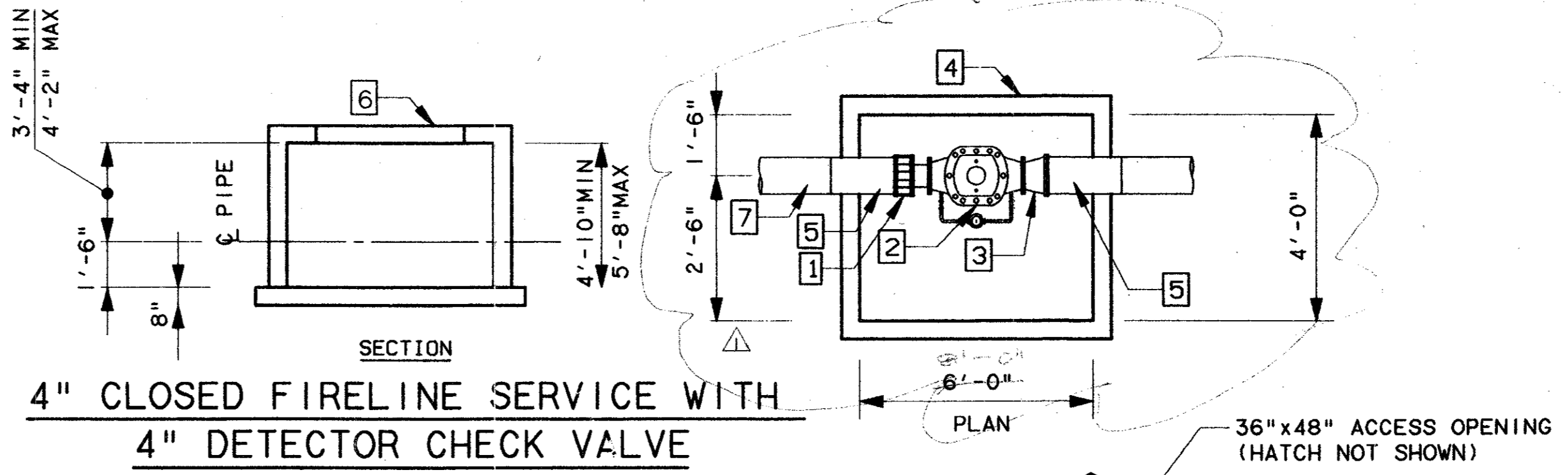
13 AUG 97
DART.TBL
JAMES LANDRY

13 AUG 97
DART-TBL
JAMES LANDRY

1000-10N • ON 9MG

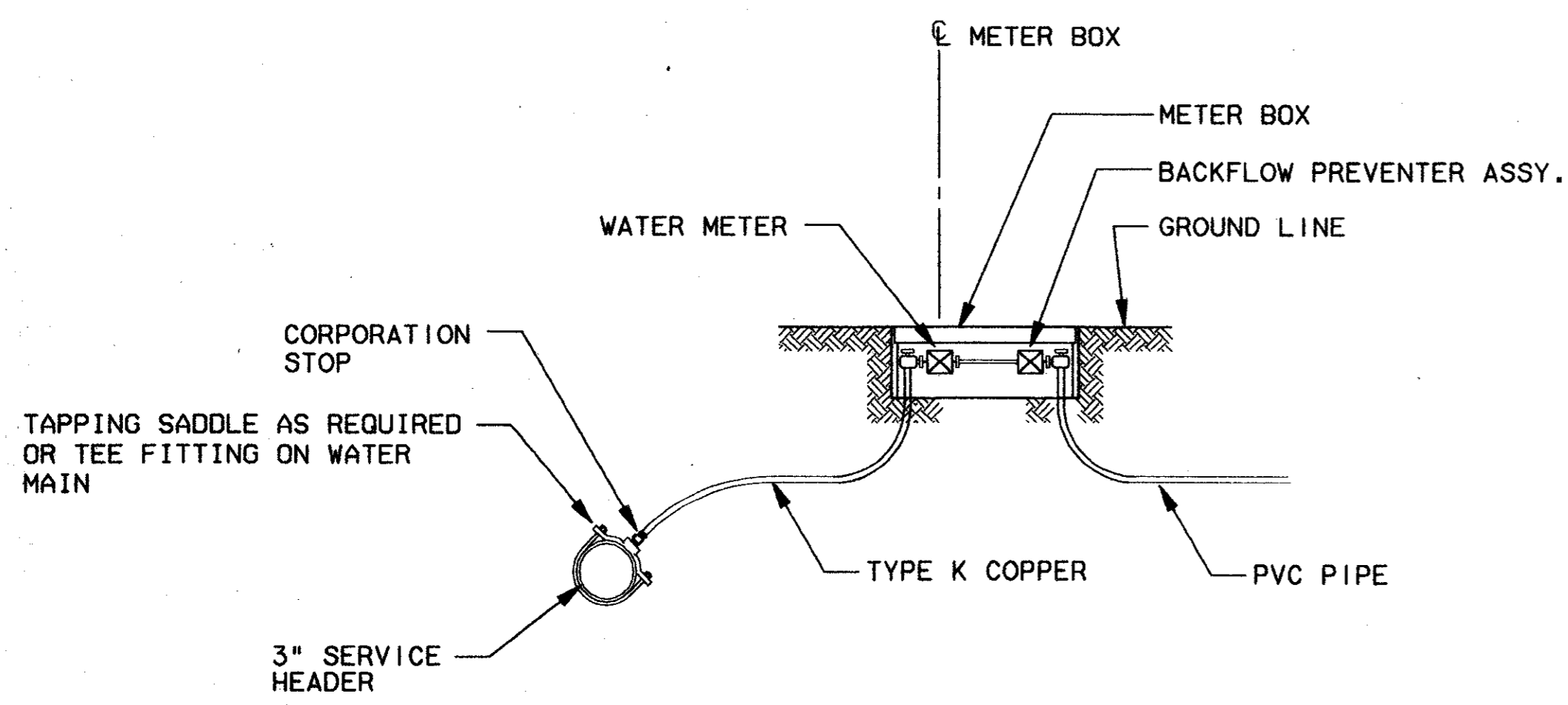


DETAIL 01
N.T.S. UC3-0002



- 1 4" FLNG. CPLG. ADAPTER
- 2 4" DETECTOR CHECK VALVE WITH BYPASS METER
- 3 4"x6" LONG C.I. NIPPLE M.U. FLANGE
- 4 PRECAST DETECTOR CHECK VAULT
- 5 4" CL. 51 DUCTILE IRON PIPE
- 6 ACCESS FRAME & COVER

DIAGRAMATIC PRECAST CONCRETE VAULT DETAIL
N.T.S.



WATER SERVICE DETAIL
N.T.S.

- NOTES:
- DOMESTIC USE:
ALL SERVICES WITH FLOW CAPABILITIES LESS THAN OR EQUAL TO 160 GPM SHALL EMPLOY A DISC OR TURBINE METER CONFORMING TO TOWN OF ADDISON SPECIFICATION # 6-95.1, # 6-95.2, OR # 6-95.3 OR 6-95.4.
 - LAWN IRRIGATION:
ALL IRRIGATION SERVICES GREATER THAN OR EQUAL TO 1.5" SHALL EMPLOY A TURBINE TYPE METER CONFORMING WITH TOWN OF ADDISON SPECIFICATION # 6-95.3.
 - FIRE SERVICE:
GREATER THAN 2" SHALL EMPLOY EITHER DOUBLE CHECK DETECTOR ASSEMBLY, TOWN OF ADDISON SPECIFICATION # 6-95.7, OR # 6-95.8. THESE ASSEMBLIES SHALL BE APPROVED BY THE USCFCCHR.
 - ALL INSTALLATIONS MUST COMPLY WITH TOWN OF ADDISON CODE OF ORDINANCE, SECTION 18-94, INSTALLATION OF CHECK VALVES.
 - METER AND VALVE BOXES MUST BE LARGE ENOUGH TO ACCOMMODATE FUTURE TESTING, REPAIRS, ETC. AND COMPLY WITH TOWN OF ADDISON CODE OF ORDINANCE.

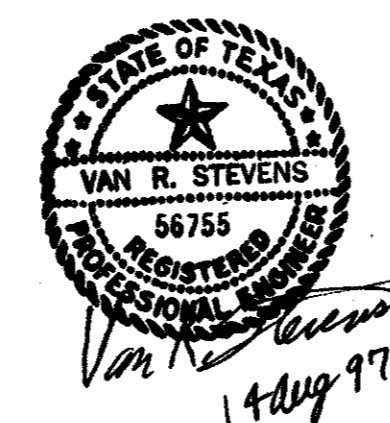
97000136
Tom Kader
RESIDENT
7-7-99

CONFORMED

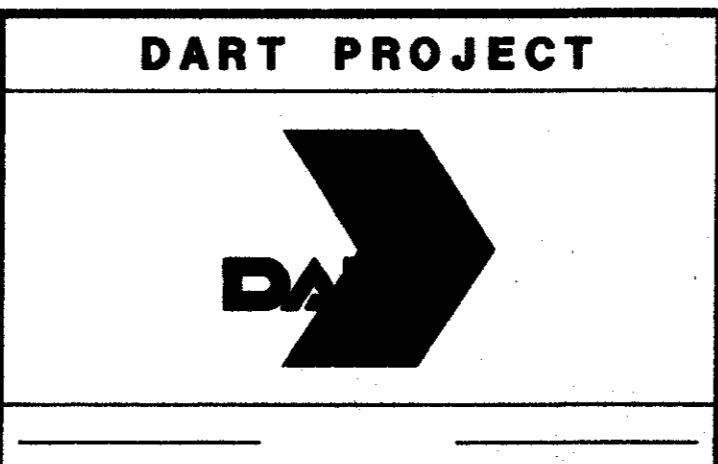
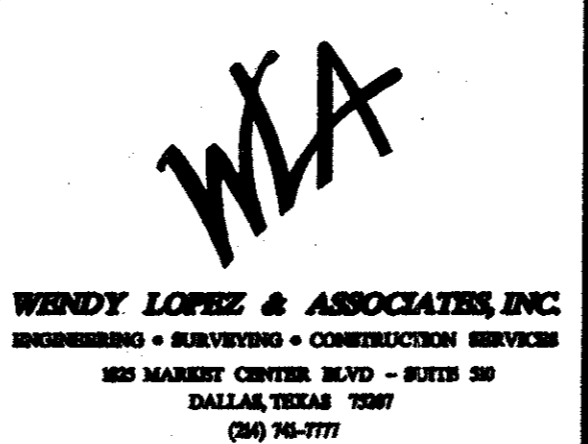
CONTRACT SHEET No. 35 OF 95

ADDISON
TRANSIT CENTER
UTILITY STANDARD
DETAILS

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
△	8/30/99	RECORD (AS BUILT) SUBMITTAL	RDM		JLM		△						
△							△						
△							△						
△							△						
△							△						



WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWMAN
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON



SCALE	N.T.S.
DRAWN	D. KRUCIAK
DESIGNED	P. ZHAO
CHECKED	V. STEVENS
IN CHARGE	V. STEVENS
DATE	14 AUG. 1997

CONTRACT C-97000136
DWG No. UC1-0001
REV 01

SITE DESCRIPTION

EROSION AND SEDIMENT CONTROLS

PROJECT LIMITS:

AN APPROXIMATE 4 SIDED PARCEL OF LAND SITUATED BETWEEN THE FOLLOWING: QUORUM DRIVE, ARAPAHO ROAD, ADDISON ROAD AND A FUTURE DART RAIL LINE.

PROJECT DESCRIPTION:

CONSTRUCTION OF A 1,300 s.f. ENCLOSURE (APPROX.) WITH PARK LIKE LANDSCAPING, PAVED BUS LANES WITH LOAD & UNLOAD TYPE FACILITIES INCLUDING PASSENGER SHELTERS, AND SIDEWALKS. GRADING, DRAINAGE, STRUCTURES, SUBGRADE PREPARATION, CURBING, CONCRETE PAVING, SIGNING, DELINEATION, AND PAVEMENT MARKINGS. UPGRADE EXISTING UTILITIES AND STORM DRAINAGE IMPROVEMENTS.

MAJOR SOIL DISTURBING ACTIVITIES:

CLEARING AND GRUBBING, GRADING, EXCAVATION, COMPACTION, DRIVEWAYS AND PARKING LOTS CONCRETE FORMWORK. REMOVAL OF OLD CONCRETE SLABS AND DRIVEWAYS, STORM SEWER CONSTRUCTION, EROSION AND SEDIMENT CONTROLS AND TOPSOIL WORK FOR FINAL PLANTING AND SEEDING.

TOTAL PROJECT AREA: 3.966 ACRES

TOTAL AREA TO BE DISTURBED: 3.9± ACRES

WEIGHTED RUNOFF COEFFICIENT (AFTER CONSTRUCTION): 0.90

EXISTING CONDITION OF SOIL & VEGETATIVE COVER AND % OF EXISTING VEGETATIVE COVER:

THE SITE IS GENERALLY COVERED WITH SHORT GRASS AND GRAVEL. EXISTING CONCRETE SLABS ARE PRESENT AT SEVERAL LOCATIONS. THE SITE IS LOCATED IN AN AREA UNDERLAIN BY DEPOSITS OF THE AUSTIN CHALK LIMESTONE FORMATION CONSISTS OF GRAY CHALKY LIMESTONE WITH SOME SHALE AND PARTINGS.

NAME OF RECEIVING WATERS:

THE PROJECT DRAINS INTO THE WHITE ROCK CREEK VIA UNDERGROUND STORM SEWERS AND OPEN CHANNELS.

EROSION AND SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES:

- X TEMPORARY SEEDING
X PERMANENT PLANTING, SODDING, OR SEEDING
MULCHING
SOIL RETENTION BLANKET
BUFFER ZONE
X PRESERVATION OF NATURAL RESOURCES

OTHER:

DISTURBED AREAS ON WHICH CONSTRUCTION ACTIVITY HAS CEASED (TEMPORARILY OR PERMANENTLY) SHALL BE STABILIZED WITHIN 14 DAYS UNLESS ACTIVITIES ARE SCHEDULED TO RESUME AND DO SO WITHIN 21 DAYS.

() DENOTES NOTES UNDER STRUCTURAL PRACTICES; OTHER.

STRUCTURAL PRACTICES:

- X SILT FENCES
X HAY BALES
ROCK BERMS
DIVERSION, INTERCEPTOR, OR PERIMETER DIKES
DIVERSION, INTERCEPTOR, OR PERIMETER SWALES
DIVERSION DIKE AND SWALE COMBINATIONS
PIPE SLOPE DRAINS
PAVED FLUMES
X ROCK BEDDING AT CONSTRUCTION EXIT
TIMBER MATTING AT CONSTRUCTION EXIT
CHANNEL LINERS
SEDIMENT TRAPS
SEDIMENT BASIN
STORM INLET SEDIMENT TRAP
STONE OUTLET STRUCTURES
X CURBS AND GUTTERS
X STORM SEWERS
VELOCITY CONTROL DEVICES

OTHER:

NOTES:

- 1. INSTALL SOIL RETENTION BLANKETS ON ALL EXPOSED SLOPES GREATER THAN 3:1 AT THE DIRECTION OF THE DART ENGINEER...
2. DIVERSION, INTERCEPTOR, OR PERIMETER DIKES AND/OR SWALES SHALL BE INSTALLED AT THE DIRECTION OF THE DART ENGINEER...
3. THE CONTRACTOR MAY BE REQUIRED BY THE DART ENGINEER TO INSTALL OTHER STRUCTURAL CONTROL MEASURES NOT NOTED ABOVE.

NARRATIVE - SEQUENCE OF CONSTRUCTION (STORM WATER MANAGEMENT) ACTIVITIES: THE ORDER OF ACTIVITIES SHALL BE AS FOLLOWS:

- 1. INSTALL INLET PROTECTION FILTERS AT EXISTING INLETS ALONG QUORUM DR. AND ARAPAHO RD. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES.
2. INSTALL SILT FENCES, AND/OR CURB INLET SEDIMENT FILTERS:
A. AROUND TOPSOIL STOCKPILES AND AT EMBANKMENT AND EXCAVATION LOCATIONS.
B. AROUND ALL NEW AND TEMPORARY INLETS AS SOON AS THEY ARE FUNCTIONAL.
3. GRADE STAGE I OF THE PROJECT TO SUBGRADE. TEMPORARILY SEED OR MULCH THE DISTURBED AREAS IN STAGE I UNLESS CONSTRUCTION ACTIVITY IS TO RESUME WITHIN 21 DAYS.
4. INSTALL SOIL RETENTION BLANKETS ON ALL EXPOSED SLOPES GREATER THAN 3:1.
5. CONSTRUCT IMPROVEMENTS AND DETOURS WITHIN STAGE I LIMITS.
6. REPEAT STEPS 2-5 FOR REMAINING PROJECT STAGES. APPLY PERMANENT SEEDING WHERE APPLICABLE.
7. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED AND APPROVED BY THE ENGINEER, REMOVE ALL TEMPORARY STRUCTURAL CONTROLS AND RE-SEED ANY AREAS DISTURBED BY THEIR REMOVAL. ANY PERIMETER CONTROLS SHALL REMAIN IN PLACE UNTIL FINAL STABILIZATION OF THE AREA UPSTREAM.

STORM WATER MANAGEMENT:

STORM WATER RUNOFF WILL BE COLLECTED BY THE ON-SITE GRATE INLETS, CURB INLETS, AND UNDERGROUND STORM SEWER SYSTEMS ALONG QUORUM DR. AND ARAPAHO RD. THESE SYSTEMS WILL CARRY DRAINAGE WITHIN THE DART PROPERTY TO THE TOWN OF ADDISON STORM SEWER SYSTEMS. PERMANENT EROSION CONTROLS INCLUDE HYDRAULIC DESIGN TO LIMIT STRUCTURE OUTLET VELOCITIES AND FINAL GRADING GENERALLY CONSISTING OF 6:1 OR FLATTER SLOPES WITH A PERMANENT VEGETATIVE COVER.

OTHER EROSION AND SEDIMENT CONTROLS:

MAINTENANCE:

ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE DONE AT THE EARLIEST DATE POSSIBLE. BUT NO LATER THAN 7 CALENDAR DAYS AFTER THE SURROUNDING EXPOSED GROUND HAS DRIED SUFFICIENTLY TO PREVENT FURTHER DAMAGE FROM HEAVY EQUIPMENT. THE AREAS ADJACENT TO CREEKS AND DRAINAGE WAYS SHALL HAVE PRIORITY FOLLOWED BY DEVICES PROTECTING STORM SEWER INLETS.

INSPECTION:

AN INSPECTION WILL BE PERFORMED BY A DART INSPECTOR EVERY WEEK AS WELL AS AFTER EVERY RAIN OF HALF INCH OR MORE (AS RECORDED ON A RAIN GAUGE TO BE LOCATED AT THE PROJECT SITE). AN INSPECTION AND MAINTENANCE REPORT WILL BE MADE PER EACH INSPECTION. BASED ON THE INSPECTION RESULTS, THE CONTROLS SHALL BE REVISED PER THE INSPECTION REPORT.

WASTE MATERIALS:

ALL WASTE MATERIALS WILL BE COLLECTED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL STATE AND LOCAL CITY SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED AS NECESSARY OR AS REQUIRED BY LOCAL REGULATION, AND THE TRASH WILL BE HAULED TO A LOCAL DUMP. NO CONSTRUCTION WASTE MATERIAL WILL BE BURIED ON SITE.

HAZARDOUS WASTE (INCLUDING SPILL REPORTING):

AT A MINIMUM, ANY PRODUCTS IN THE FOLLOWING CATEGORIES ARE CONSIDERED TO BE HAZARDOUS: PAINTS, ACIDS FOR CLEANING MASONRY SURFACES, CLEANING SOLVENTS, ASPHALT PRODUCTS, CHEMICAL ADDITIVES FOR SOIL STABILIZATION, OR CONCRETE CURING COMPOUNDS AND ADDITIVES. IN THE EVENT OF A SPILL WHICH MAYBE HAZARDOUS, THE AUTHORITY SHOULD BE CONTACTED IMMEDIATELY.

SANITARY WASTE:

ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NECESSARY OR AS REQUIRED BY LOCAL REGULATION BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR.

OFFSITE VEHICLE TRACKING:

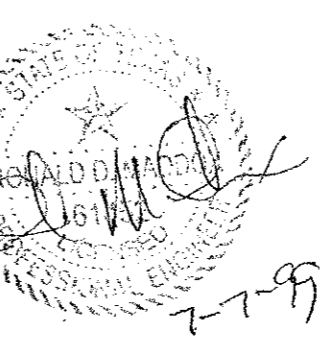
- HAUL ROADS DAMPENED FOR DUST CONTROL
LOADED HAUL TRUCKS TO BE COVERED WITH TARPULIN
X EXCESS DIRT ON ROAD REMOVED DAILY
X STABILIZED CONSTRUCTION ENTRANCE

OTHER:

DISPOSAL AREAS, STOCKPILES, AND HAUL ROADS SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE AND CONTROL THE AMOUNT OF SEDIMENT THAT MAY ENTER RECEIVING WATERS. DISPOSAL AREAS SHALL NOT BE LOCATED IN ANY WETLAND, WATERBODY, OR STREAMBED. CONSTRUCTION STAGING AREAS, AND HAUL ROADS SHALL BE CONSTRUCTED IN A MANNER TO MINIMIZE THE RUNOFF OF POLLUTANTS. ALL WATERWAYS SHALL BE CLEARED AS SOON AS PRACTICABLE OR TEMPORARY EMBANKMENTS, TEMPORARY BRIDGES, MATTING, FALSEWORK, PILING, DEBRIS OR OTHER OBSTRUCTIONS PLACED DURING CONSTRUCTION OPERATIONS THAT ARE NOT A PART OF THE FINISHED WORK.



WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWMAN
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON



DART PROJECT



Table with columns: SCALE (N.T.S.), DRAWN (D. KRUCIAK), DESIGNED (P. ZHAO), CHECKED (V. STEVENS), IN CHARGE (V. STEVENS), DATE (AUG. 14, 1997)

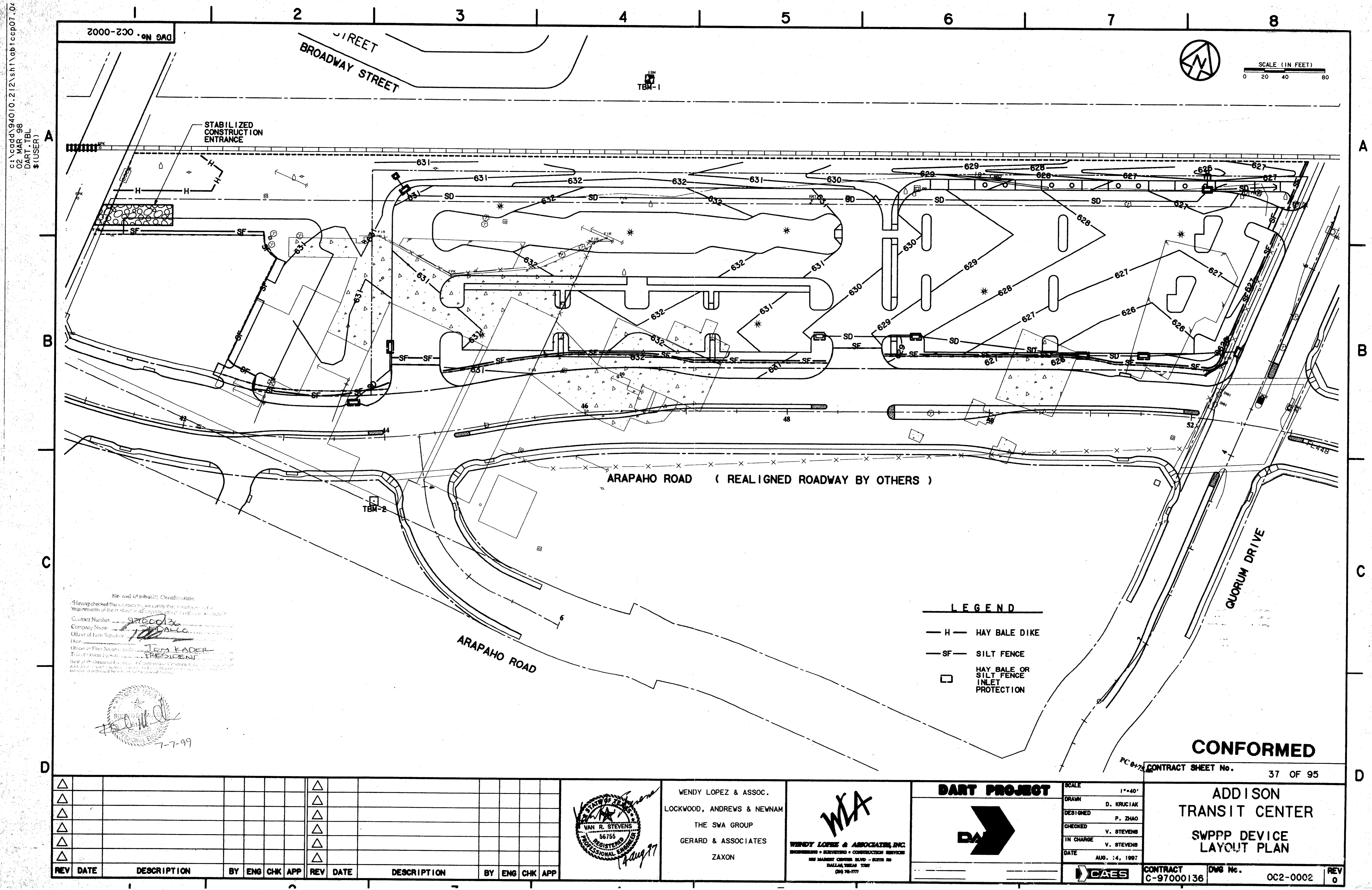
CONFORMED

CONTRACT SHEET No. 36 OF 95

ADDISON TRANSIT CENTER SWPPP GENERAL NOTES

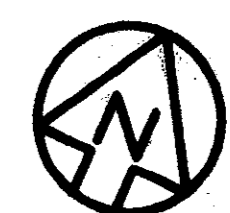
18 AUG 97 DART.TBL \$ (USER)

Revision table with columns: REV, DATE, DESCRIPTION, BY, ENG, CHK, APP. Includes a grid for tracking revisions.



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 02 MAR 98
 DART_TBL
 \$(USER)

DWG No. OC2-0002



SCALE (IN FEET)
 0 20 40 80

STABILIZED
 CONSTRUCTION
 ENTRANCE

ARAPAHO ROAD (REALIGNED ROADWAY BY OTHERS)

QUORUM DRIVE

ARAPAHO ROAD

LEGEND

- H — HAY BALE DIKE
- SF — SILT FENCE
- HAY BALE OR SILT FENCE INLET PROTECTION

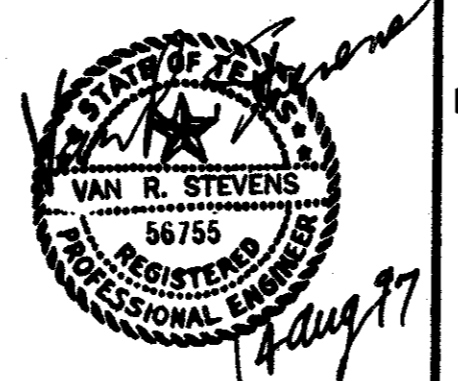
Having checked this submittal, we certify that it conforms to the requirements of the contract in all respects.
 Contract Number: 97000136
 Company Name: SWPPA/CC
 Officer of Firm Signature: [Signature]
 Title: PRESIDENT
 Name: TOM KADER
 Title of Officer: PRESIDENT
 Seal of Professional Engineer: [Seal]
 Date: 7-7-99

CONFORMED

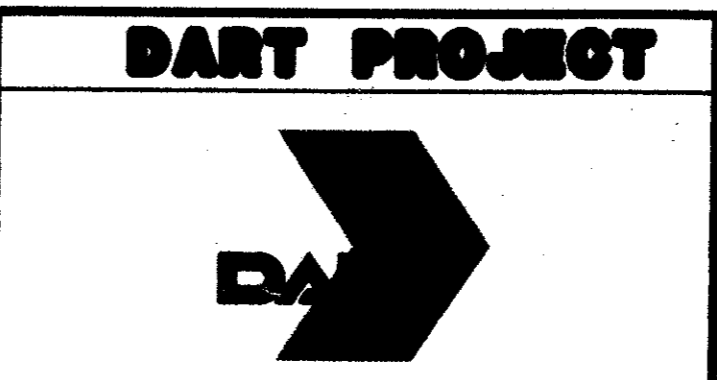
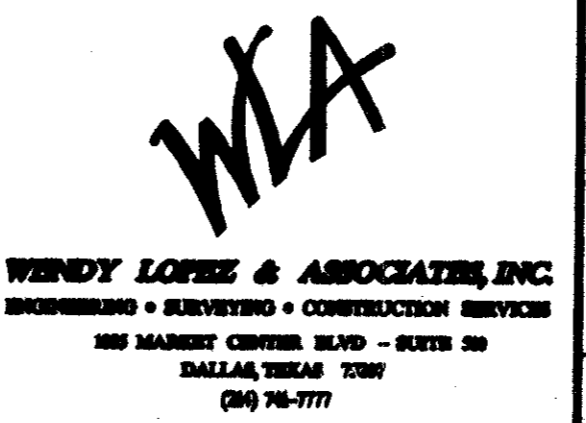
CONTRACT SHEET No. 37 OF 95

**ADDISON
 TRANSIT CENTER
 SWPPP DEVICE
 LAYOUT PLAN**

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



WENDY LOPEZ & ASSOC.
 LOCKWOOD, ANDREWS & NEWNAM
 THE SWA GROUP
 GERARD & ASSOCIATES
 ZAXON



SCALE	1"=40'
DRAWN	D. KRUCIAK
DESIGNED	P. ZHAO
CHECKED	V. STEVENS
IN CHARGE	V. STEVENS
DATE	AUG. 14, 1997

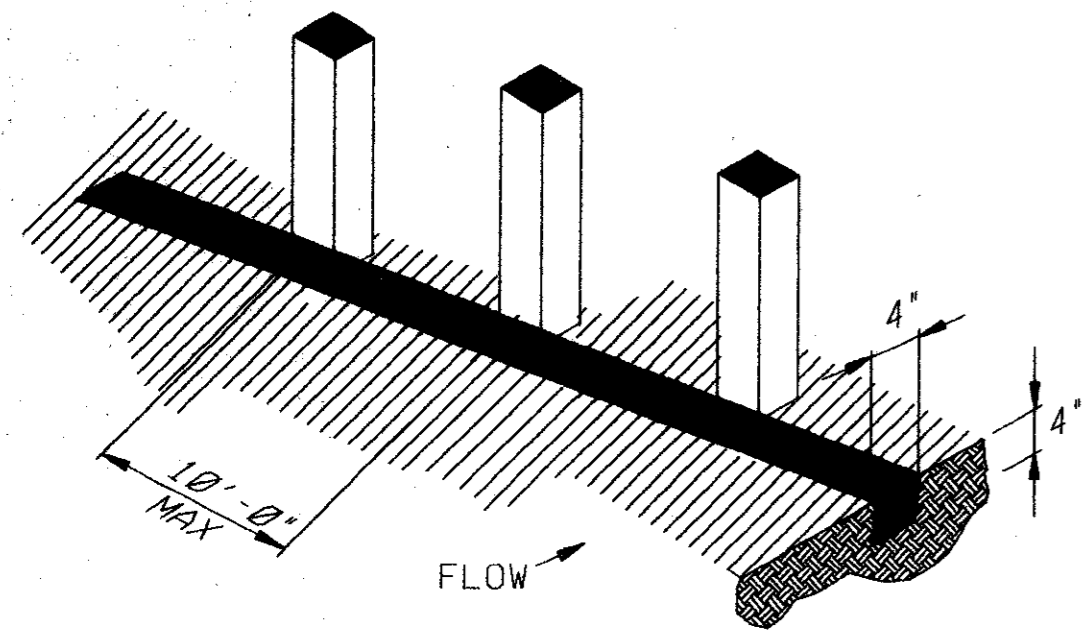
CONTRACT C-97000136
 DWG No. OC2-0002
 REV 0

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13 AUG 97
DART.TBL
JAMES LANDRY

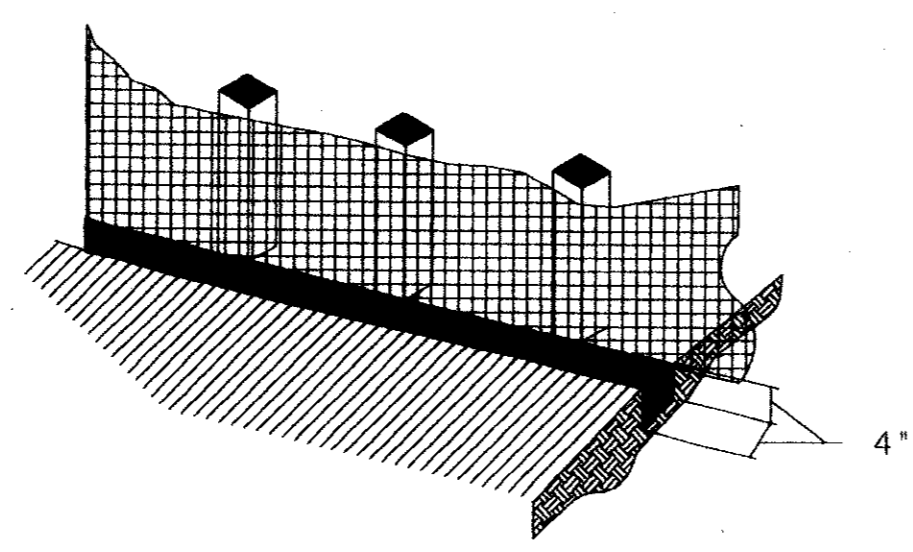
DWG No. OC2-0003

REINFORCED FILTER FABRIC BARRIER

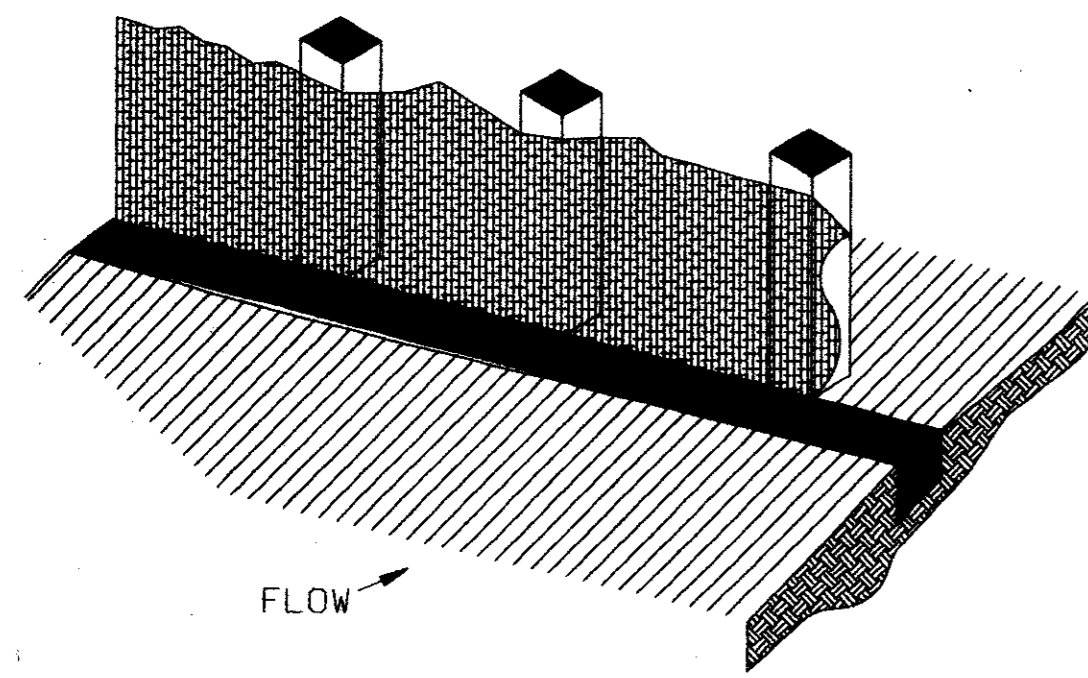
1. SET POSTS AND EXCAVATE 4" X 4" TRENCH UPSLOPE ALONG LINE OF POSTS.



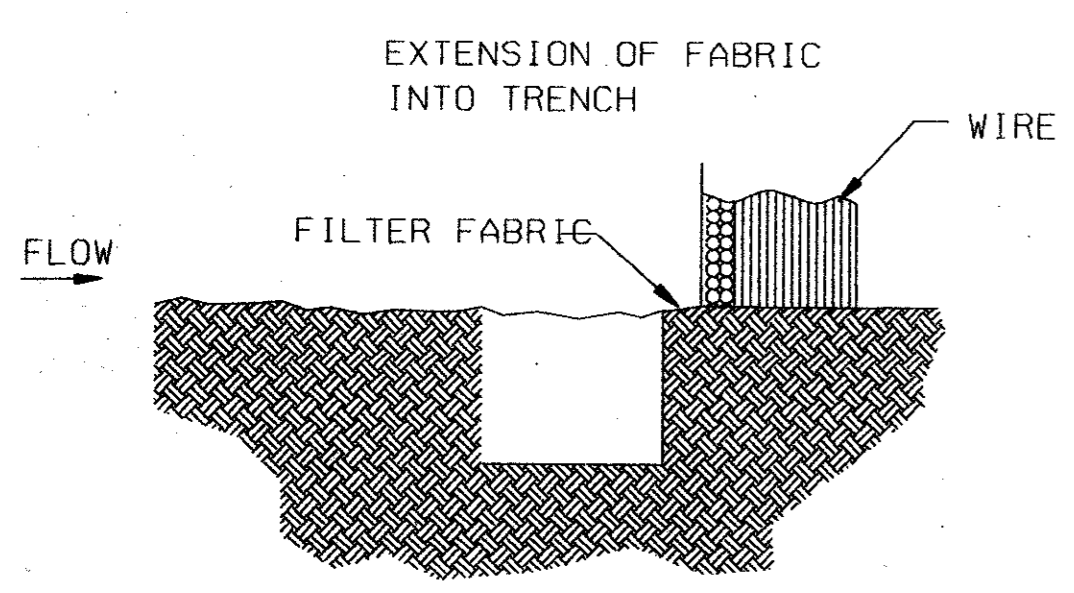
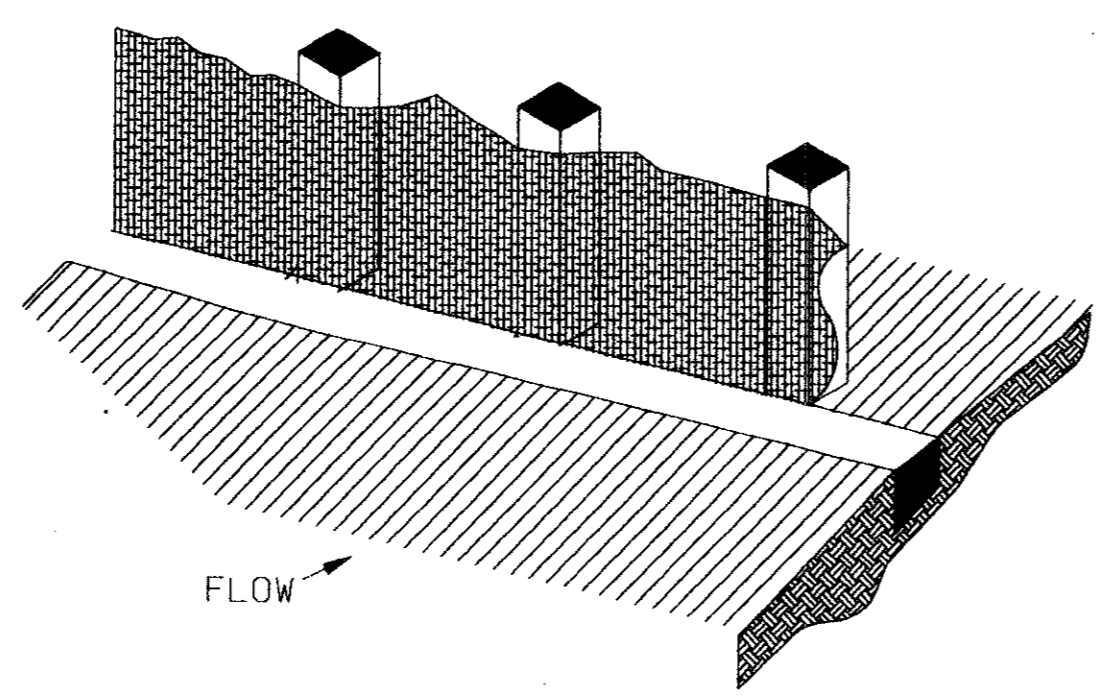
2. SECURE WIRE FENCING TO POSTS.



3. ATTACH FILTER MATERIAL TO WIRE FENCE AND EXTEND IT INTO THE TRENCH



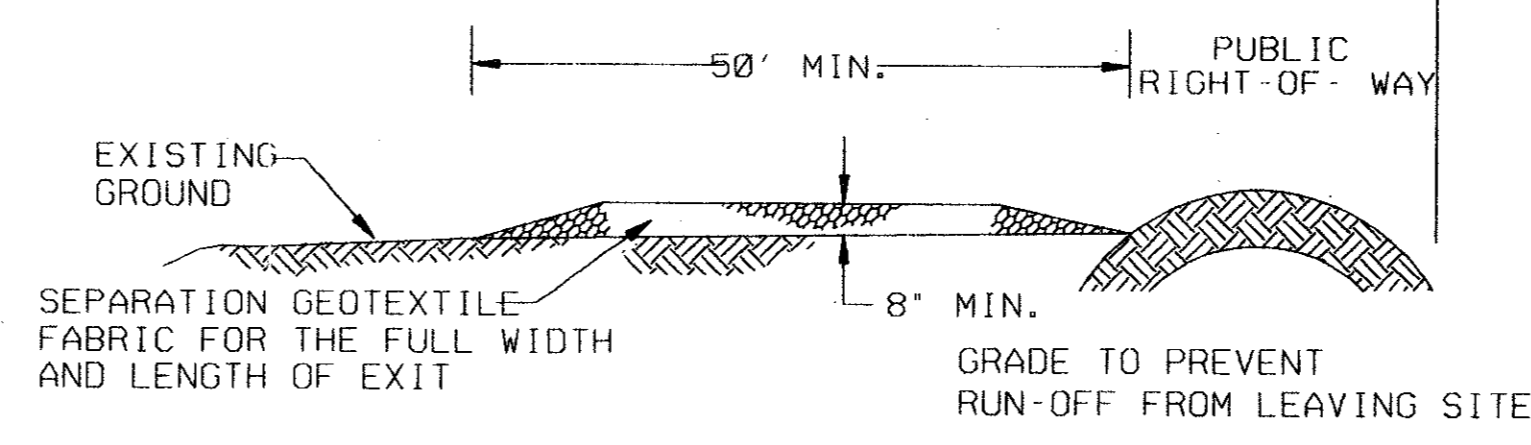
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



ITEM 4311
REINFORCED
FILTER FABRIC BARRIER

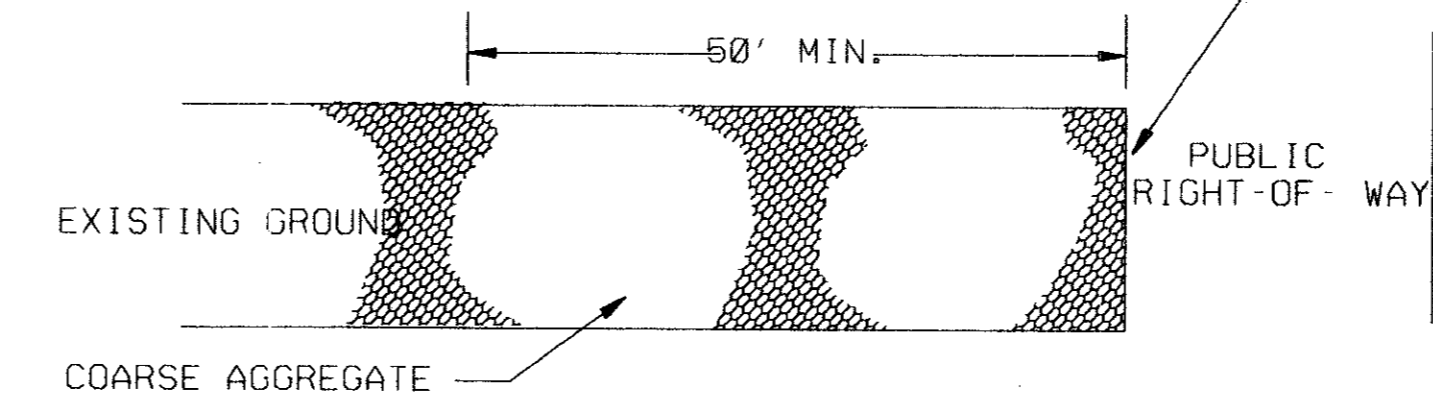
GENERAL NOTES

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE, WITH TIES SPACED EVERY 24 INCHES AT TOP AND MIDSECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED 6 INCHES AT THE POSTS, AND FOLDED.



PROFILE

PROVIDE APPROPRIATE TRANSITION BETWEEN STABILIZED CONSTRUCTION ENTRANCE AND PUBLIC RIGHT-OF WAY



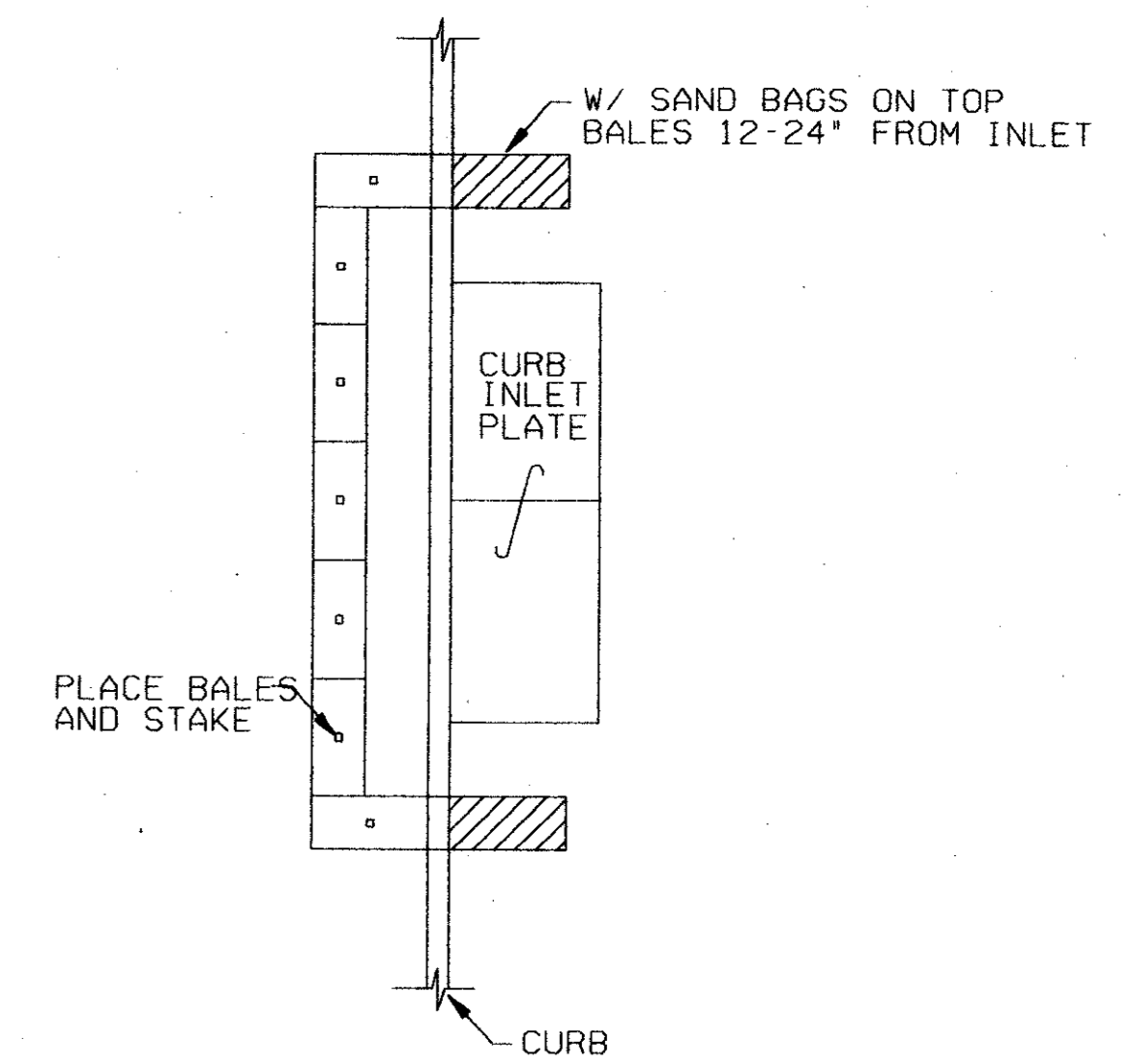
PLAN VIEW

GENERAL NOTES

1. LENGTH SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS, BUT NOT LESS THAN 50 FEET.
2. THICKNESS SHALL BE NOT LESS THAN 8 INCHES.
3. WIDTH SHALL NOT BE LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
4. STABILIZATION FOR OTHER AREAS SHALL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION EXIT, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS.
5. STABILIZED AREA MAY BE WIDEN OR LENGTHEN TO ACCOMMODATE A TRUCK WASHING AREA, WHEN SHOWN ON THE CONSTRUCTION DRAWING. AN OUTLET SEDIMENT TRAP MUST BE PROVIDED FOR THE TRUCK WASHING AREA.

ITEM 4711
STABILIZED CONSTRUCTION EXIT

STRAW BALE CURB INLET PROTECTION BARRIER



BMP 4. 5. 1. 1.
INLET PROTECTION BARRIERS

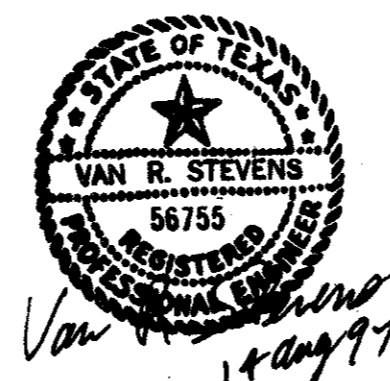
Record (As-Built) Certification
I hereby certify that the above information is true and correct to the best of my knowledge and belief.
7/000136
DALCO
TOM KADER
PRESIDENT

7-9

CONFORMED

CONTRACT SHEET No. 38 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWNAM
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
202 MARNEY CENTER BLVD - SUITE 20
DALLAS, TEXAS 75201
(214) 748-7777

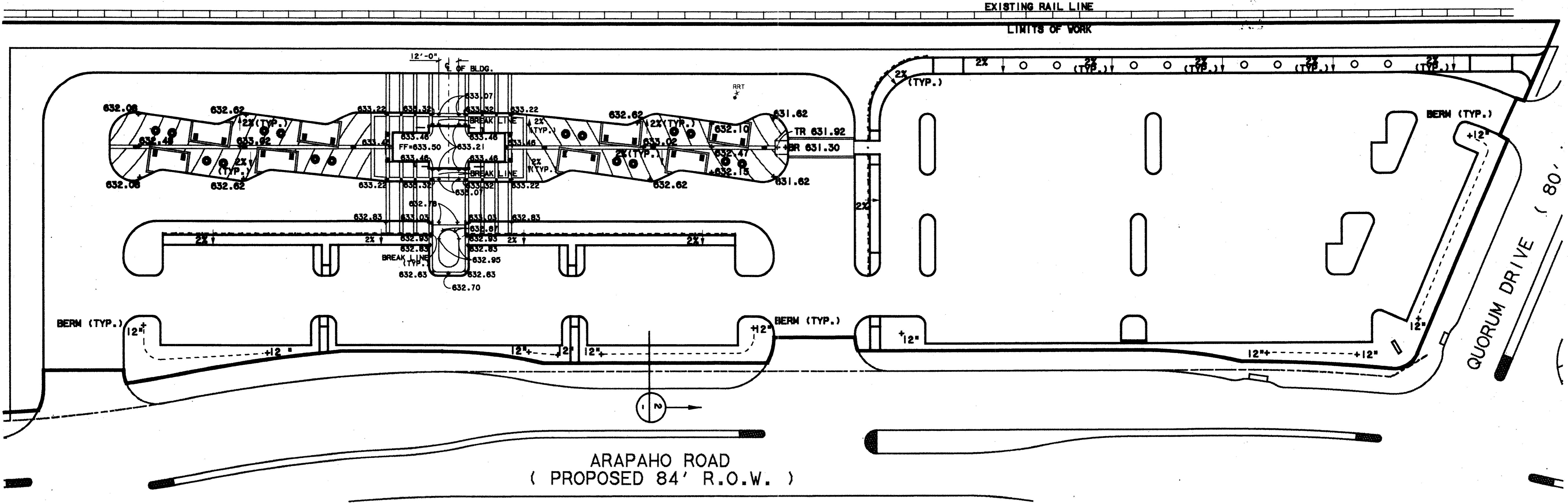
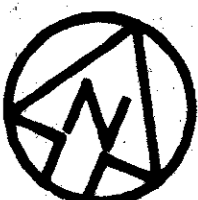
DART PROJECT

SCALE	N.T.S.
DRAWN	D. KRUCIAK
DESIGNED	P. ZHAO
CHECKED	V. STEVENS
IN CHARGE	V. STEVENS
DATE	14 AUG. 1997

**ADDISON
TRANSIT CENTER
SWPPP STANDARD
DETAILS**

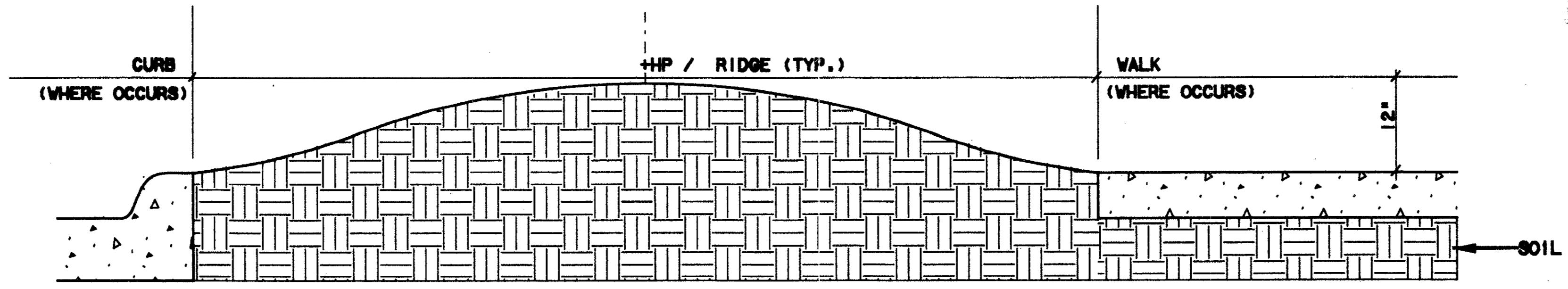
CONTRACT C-97000136 DWG No. OC2-0003 REV 0

NOTE:
ALL SPOT ELEVATIONS SHOWN
ARE TOP OF CURB TYPICAL,
UNLESS OTHERWISE NOTED.



ARAPAHO ROAD
(PROPOSED 84' R.O.W.)

FINE GRADING PLAN
SCALE: 1"=30'-0"



BERM SECTION - TYPICAL
SCALE: 1"=1'-0"

Received the best Certificate
I have ever received for the
completion of this project. It is a pleasure to
have worked with you and your staff.
Sincerely,
Tom Kader
PRESIDENT

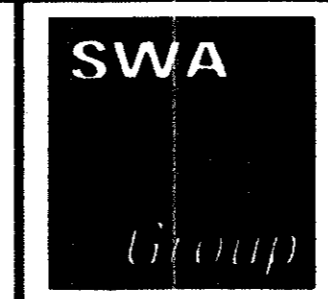


CONFORMED

CONTRACT SHEET No. 39 OF 95

**ADDISON
TRANSIT CENTER
FINE GRADING PLAN**

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



2211 North Lamar
Dallas, Texas, 75202
214-954-0016



WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
105 MARKET CENTER BLVD - SUITE 510
DALLAS, TEXAS 75207
(214) 741-7777

DART PROJECT



SCALE	1"=30'-0"
GRABN	N. AVETON
DESIGNED	G. MILLER
CHECKED	G. MILLER
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

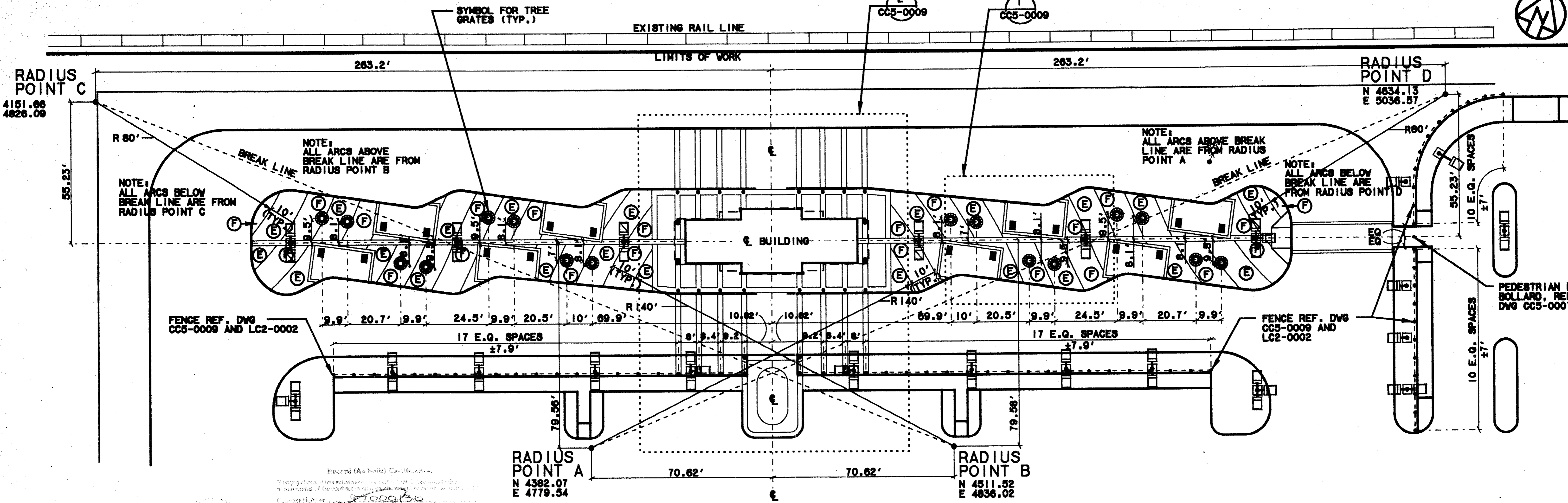


CONTRACT C-97000136 DWG No. CC5-0006 REV 0

\$\$\$SPECIFICATIONS\$\$\$
 \$\$\$SYTIME\$\$\$
 \$\$\$PRF\$\$\$
 \$\$\$USERNAME\$\$\$
 \$\$\$PRF ROT\$\$\$
 \$\$\$PEN\$\$\$
 \$\$\$FILE6\$\$\$
 \$\$\$FILE7\$\$\$
 \$\$\$FILE8\$\$\$
 \$\$\$FILE9\$\$\$
 \$\$\$FILE10\$\$\$

9000-939 'ON BAG

FOR TYP. PAVER LAYOUT

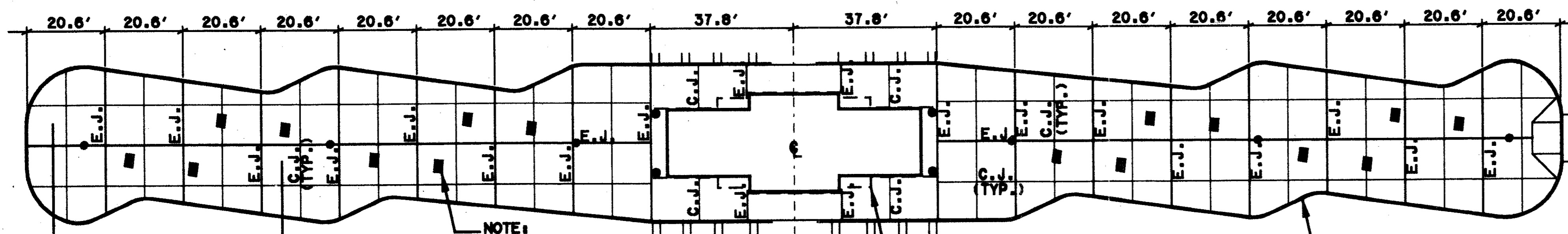


FINISH PLATFORM LAYOUT PLAN

SCALE: 1"=20'-0"

PAVEMENT TYPES:

- A TYPES - 12"x12" PAVER, COLOR 'TERRA COTTA'
 - Ⓐ - TYPE 1 - 8 CM AT ALL ROADWAY PATTERNS
 - Ⓑ - TYPE 2 - 6 CM AT ALL OTHER PATTERNS
 - B - MEDIUM BROOM FINISH CONCRETE, COLOR STD. GREY
 - C - TYPE 3 - 6"x12"x6 CM PAVER, COLOR 'LIMESTONE' (ACID WASHED)
 - D TYPES - 12"x12" PAVER, COLOR 'LIMESTONE' (ACID WASHED)
 - Ⓓ - TYPE 4 - 8CM AT ALL ROADWAY PATTERNS
 - Ⓔ - TYPE 5 - 6 CM AT ALL OTHER PATTERNS
 - E - TYPE 6 - 4"x8"x6 CM PAVER, COLOR 'APRICOT' (QUARTEX FINISH, ACID WASHED)
 - F - TYPE 7 - 4"x8"x6 CM PAVER, COLOR 'SAND' (QUARTEX FINISH, ACID WASHED)
 - G - MEDIUM SANDBLAST FINISH CONCRETE - COLOR STD. GREY
 - H - LIGHT BROOM FINISH CONCRETE - COLOR STD. GREY
 - I - TYPE 8 - 12"x12"x6 CM PAVER, COLOR 'OBSIDIAN' (QUARTEX FINISH, ACID WASHED)
 - J - TYPE 9 - 4"x8"x6 CM PAVER, COLOR 'LIMESTONE' (ACID WASHED)
- (FOR PATTERNING, SEE DWG. NO. CC5-0009, ENLARGEMENT 1)



SUBSLAB EXPANSION JOINT LAYOUT PLAN

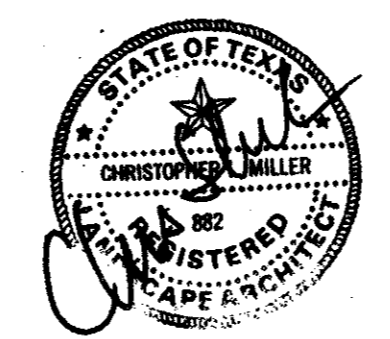
SCALE: 1"=20'-0"

CONFORMED

CONTRACT SHEET No. 41 OF 95

ADDISON
TRANSIT CENTER
PLATFORM LAYOUT PLAN

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



2211 North Lamar
Dallas, Texas 75202
214-954-0016



WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
102 MARKET CENTER BLVD - SUITE 500
DALLAS, TEXAS 75207
(214) 746-7777

DART PROJECT

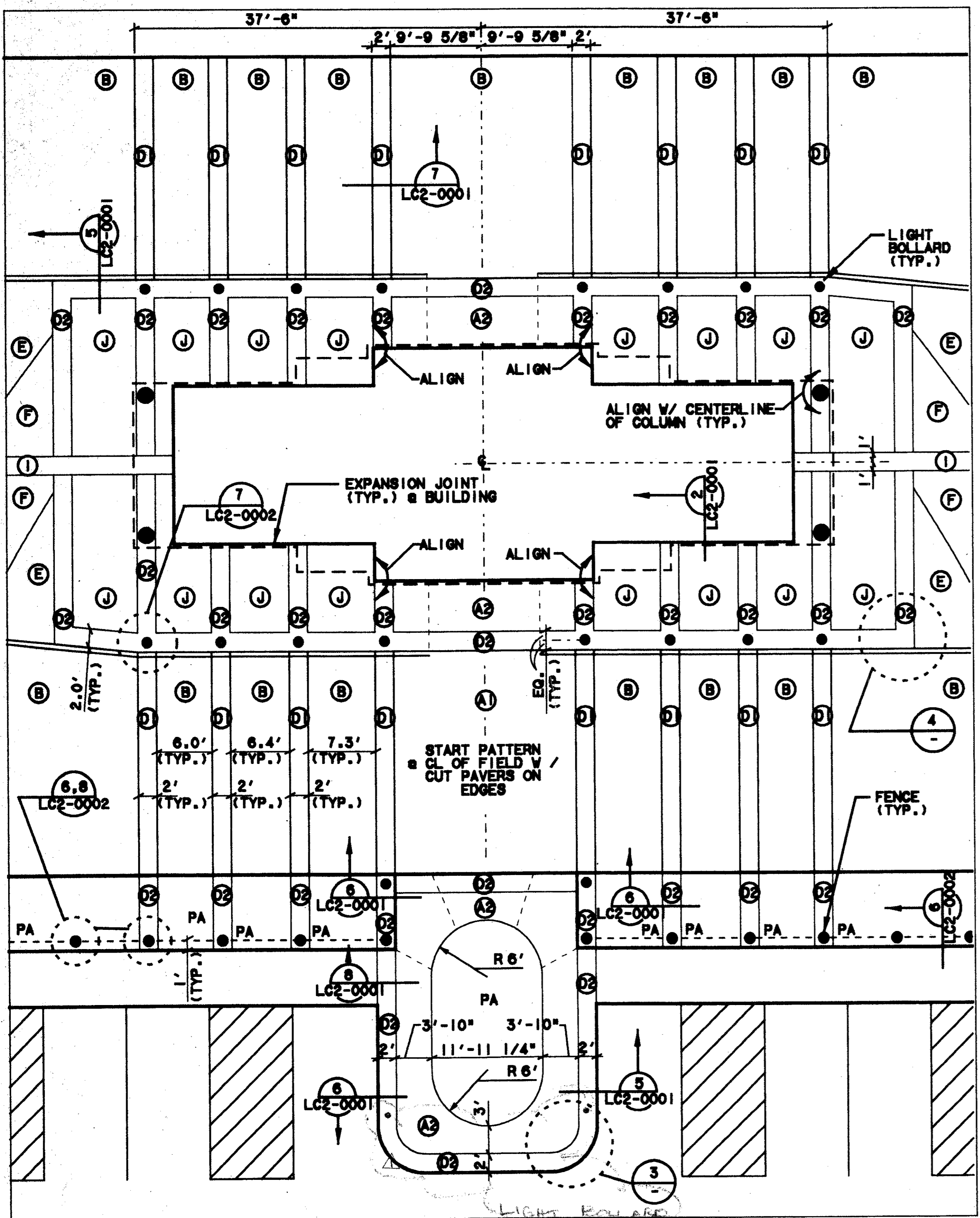


SCALE	1"=20'-0"
DRAWN	H. AVETON
DESIGNED	G. MILLER
CHECKED	G. MILLER
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97



CONTRACT C-97000136 DWS No. CC5-0008 REV 0

6000-933 ON 9AC



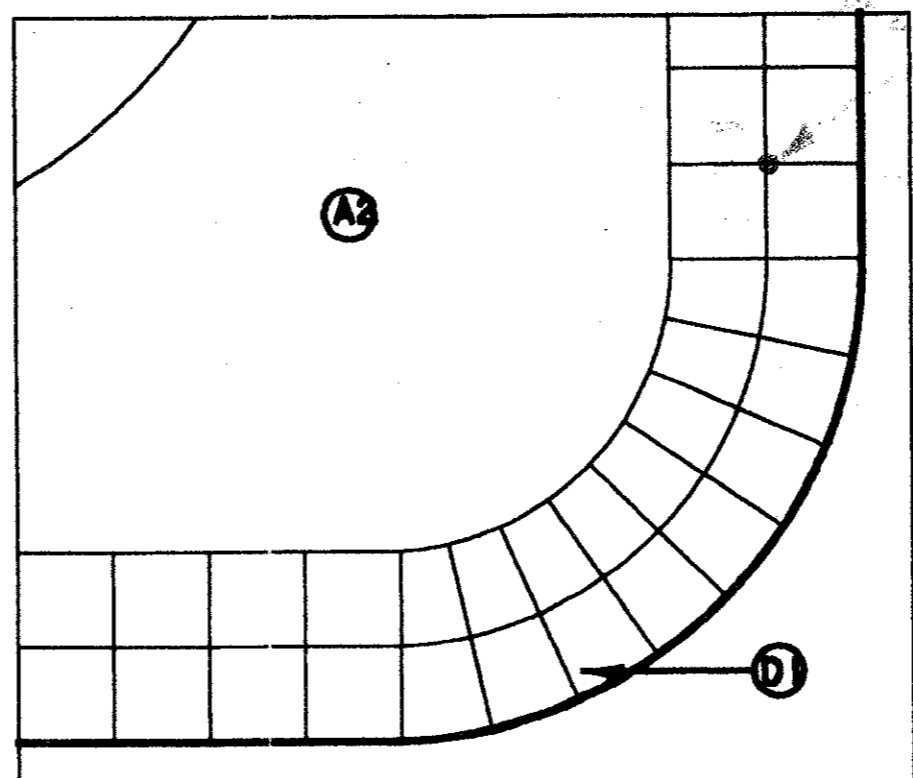
PLATFORM ENLARGEMENT PLAN B

SCALE: 1/8"=1'-0"

2

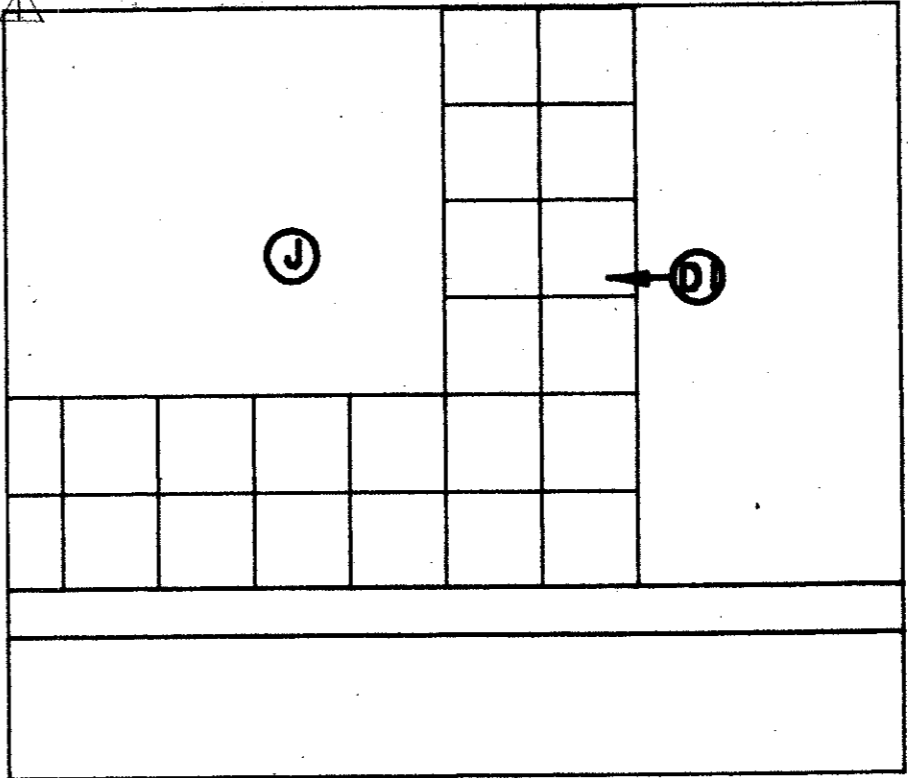
CC5-0007
CC5-0008

NOTE:
PA = PLANTING AREA



PAVING DETAIL 3

SCALE: 1/2"=1'-0"

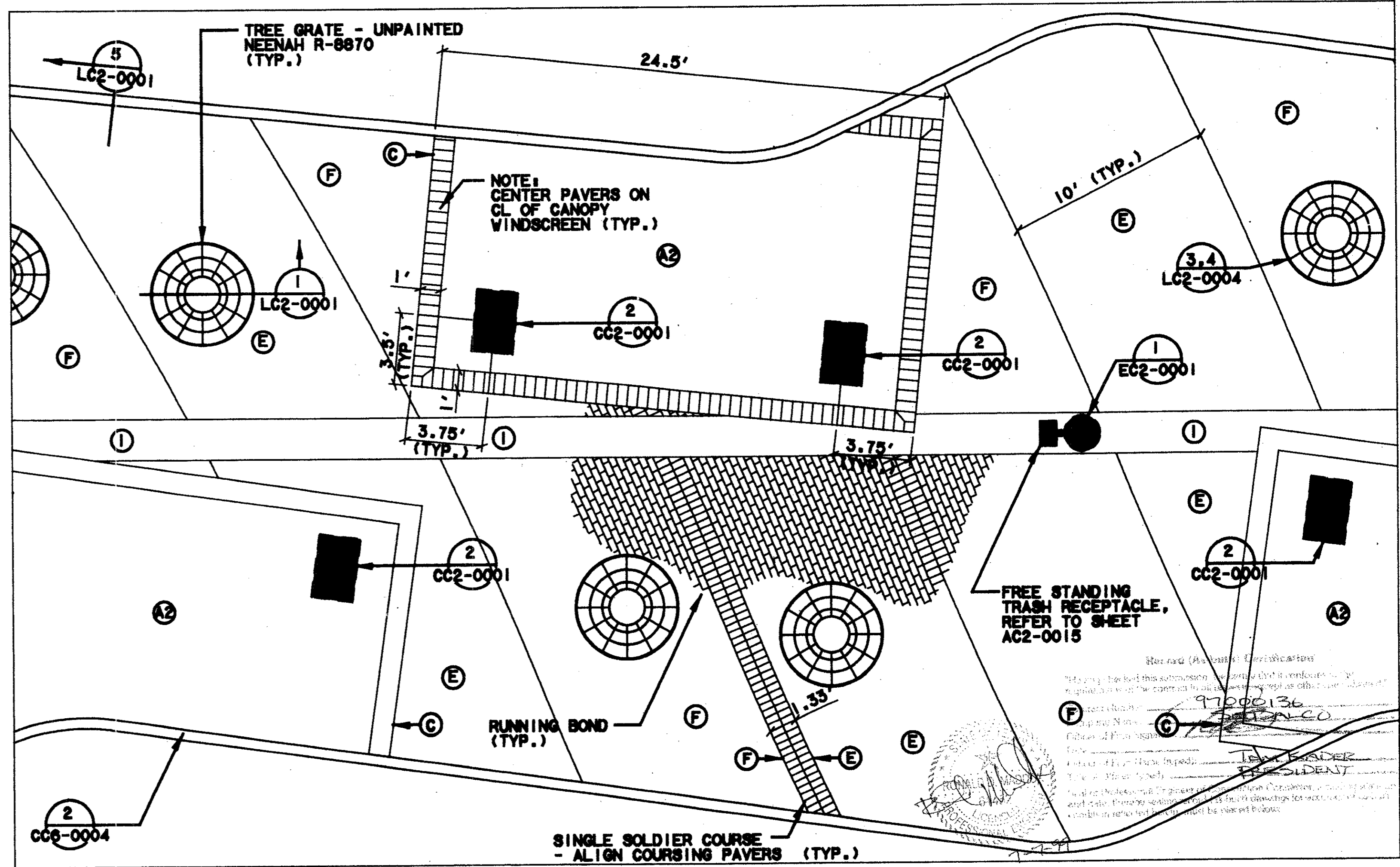


PAVING DETAIL 4

SCALE: 1/2"=1'-0"

PAVEMENT TYPES:

- A TYPES - 12"x12" PAVER, COLOR - 'TERRA COTTA'
- A1 - TYPE 1 - 6 CM AT ALL ROADWAY PATTERNS
- A2 - TYPE 2 - 6 CM AT ALL OTHER PATTERNS
- B - MEDIUM BROOM FINISH CONCRETE, COLOR STD. GREY
- C - TYPE 3 - 6"x12"x6 CM PAVER, COLOR 'LIMESTONE' (ACID WASHED)
- D TYPES - 12"x12" PAVER, COLOR 'LIMESTONE' (ACID WASHED)
- D1 - TYPE 4 - 6 CM AT ALL ROADWAY PATTERNS
- D2 - TYPE 5 - 6 CM AT ALL OTHER PATTERNS
- E - TYPE 6 - 4"x8"x6 CM PAVER, COLOR 'APRICOT' (QUARTEX FINISH, ACID WASHED)
- F - TYPE 7 - 4"x8"x6 CM PAVER, COLOR 'SAND' (QUARTEX FINISH, ACID WASHED)
- G - MEDIUM SANDBLAST FINISH CONC. - COLOR STD. GREY
- H - LIGHT BROOM FINISH CONC. - COLOR STD. GREY
- I - TYPE 8 - 12"x12"x6 CM PAVER, COLOR 'OBSIDIAN' (QUARTEX FINISH, ACID WASHED)
- J - TYPE 9 - 4"x8"x6 CM PAVER, COLOR 'LIMESTONE' (ACID WASHED)



PLATFORM ENLARGEMENT PLAN A

SCALE: 1/4"=1'-0"

1

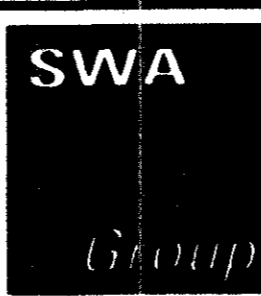
CC5-0007
CC5-0008

NOTE:
TRASH RECEPTACLE TO BE LOCATED ADJACENT TO EACH PLATFORM LIGHT POLE. SPECIFIC LOCATION TO BE DETERMINED BY CONTRACTING OFFICER.

CONFORMED

CONTRACT SHEET No. 42 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
Δ	8/30/92	RECORD AS BUILT SURVEY	ROM	JLM									
Δ													
Δ													
Δ													
Δ													
Δ													



2211 North Lamar
Dallas, Texas 75202
214-954-0016



WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
5825 MARKET CENTER BLVD - SUITE 500
DALLAS, TEXAS 75237
(214) 748-7777

DART PROJECT

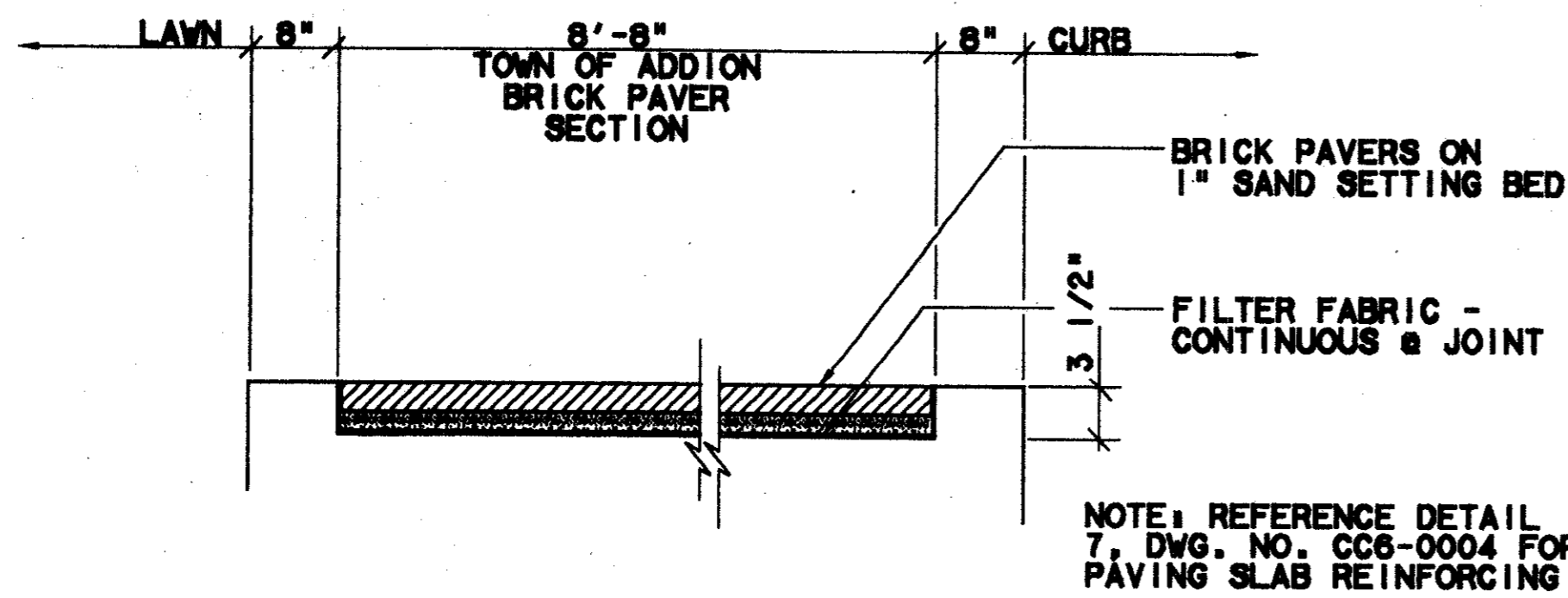


SCALE	AS NOTED
DRAWN	N. ANETON
DESIGNED	G. MILLER
CHECKED	G. MILLER
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

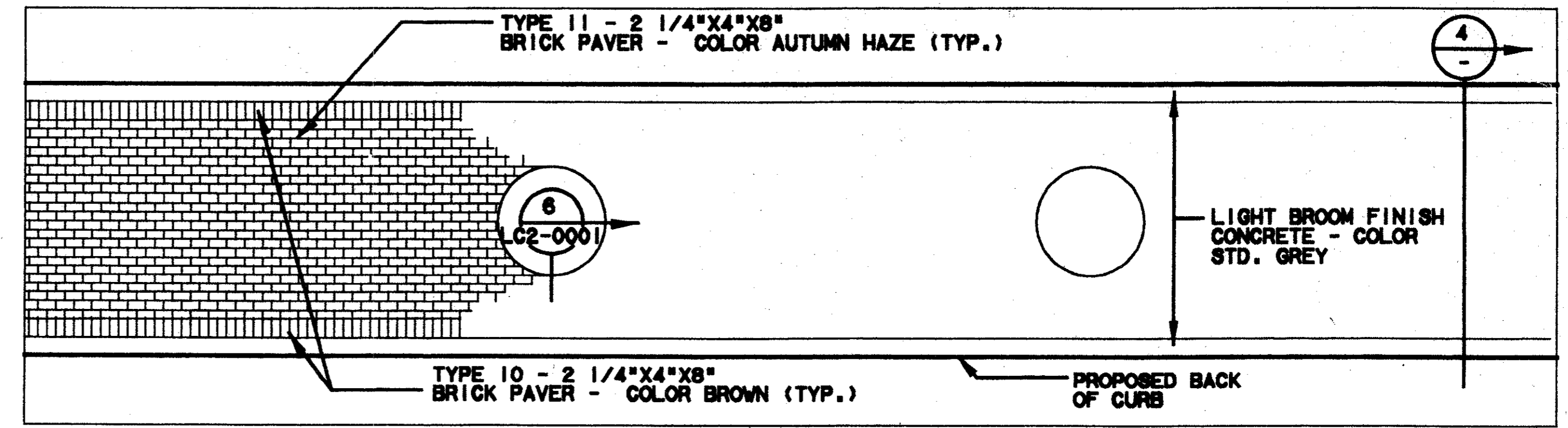
ADDISON
TRANSIT CENTER
HARDSCAPE ENLARGEMENT



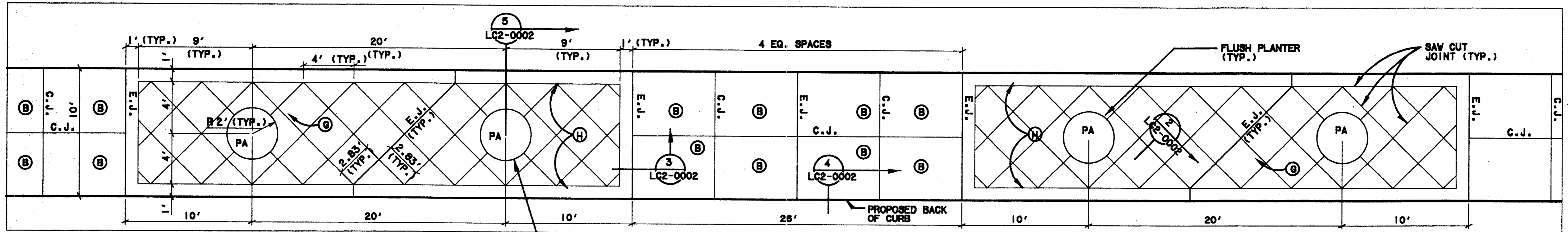
CONTRACT C-97000136
Dwg No. CC5-0009
REV 01



BRICK PAVER INSET & WALK - SECTION 4
SCALE: 1"=1'-0"



BRICK PAVER ALTERNATE- PLAN 3
SCALE: 1/4"=1'-0"



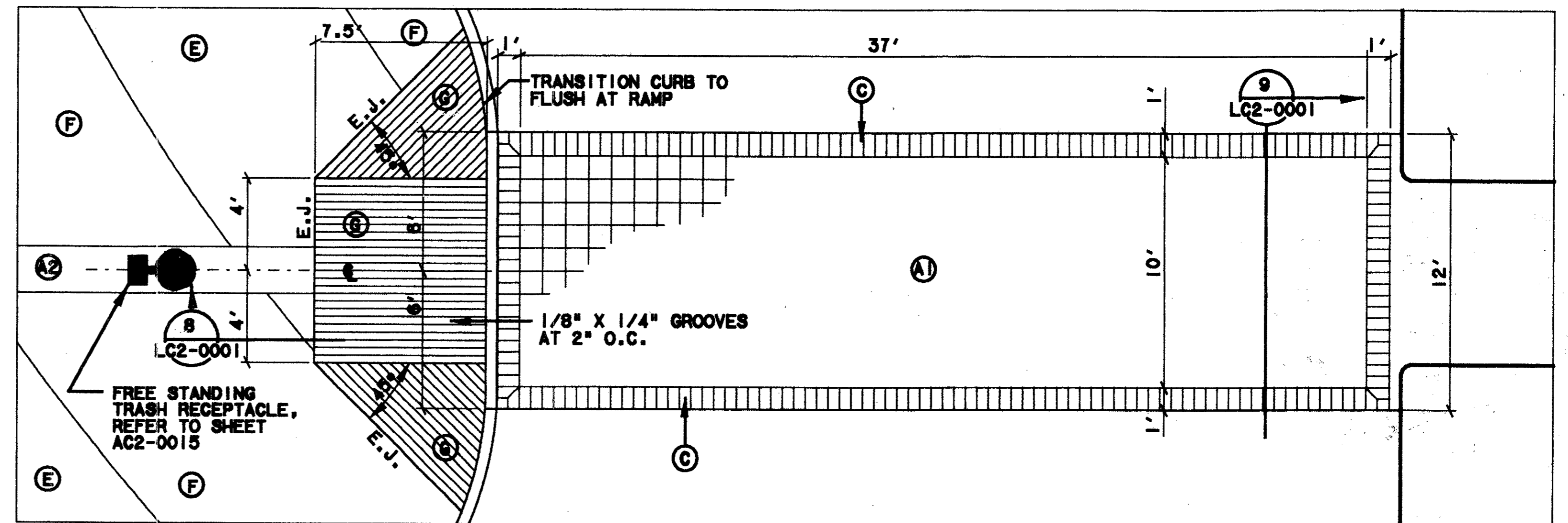
NORTH WALK ENLARGEMENT PLAN 1
SCALE: 1/4"=1'-0"

- PAVEMENT TYPES:**
A TYPES - 12"x12" PAVER, COLOR - 'TERRA COTTA'
 (A) - TYPE 1 - 8 CM AT ALL ROADWAY PATTERNS
 (A2) - TYPE 2 - 6 CM AT ALL OTHER PATTERNS
B - MEDIUM BROOM FINISH CONCRETE, COLOR STD. GREY
C TYPES - 6"x12"x6 CM PAVER, COLOR 'LIMESTONE' (ACID WASHED)
D TYPES - 12"x12" PAVER, COLOR 'LIMESTONE' (ACID WASHED)
 (D) - TYPE 4 - 8 CM AT ALL ROADWAY PATTERNS
 (D2) - TYPE 5 - 6 CM AT ALL OTHER PATTERNS
E - TYPE 6 - 4"x8"x6 CM PAVER, COLOR 'APRICOT' (QUARTEX FINISH, ACID WASHED)
F - TYPE 7 - 4"x8"x6 CM PAVER, COLOR 'SAND' (QUARTEX FINISH, ACID WASHED)
G - MEDIUM SANDBLAST FINISH CONC. - COLOR STD. GREY
H - LIGHT BROOM FINISH CONC. - COLOR STD. GREY
I - TYPE 8 - 12"x12"x6 CM PAVER, COLOR 'OBSIDIAN' (QUARTEX FINISH, ACID WASHED)
J - TYPE 9 - 4"x8"x6 CM PAVER, COLOR 'LIMESTONE' (ACID WASHED)

NOTE: PA = PLANTING AREA

97000136
 CC5-0001
 TOM KADER
 PRESIDENT

NOTE:
 TRASH RECEPTACLE
 TO BE LOCATED
 ADJACENT TO EACH
 PLATFORM LIGHT POLE.
 SPECIFIC LOCATION TO
 BE DETERMINED BY
 CONTRACTING OFFICER.

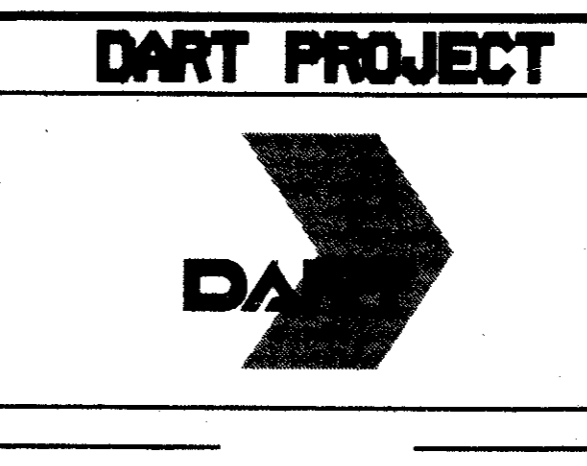
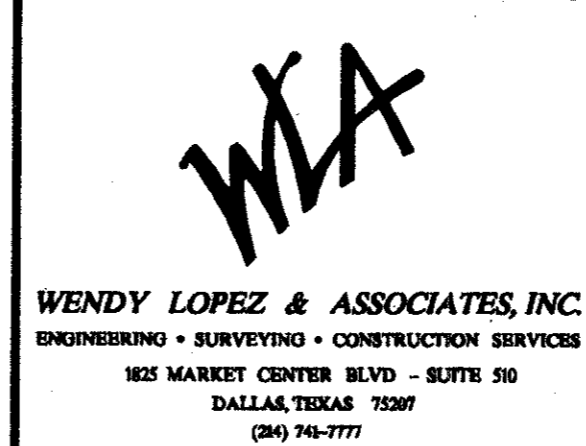
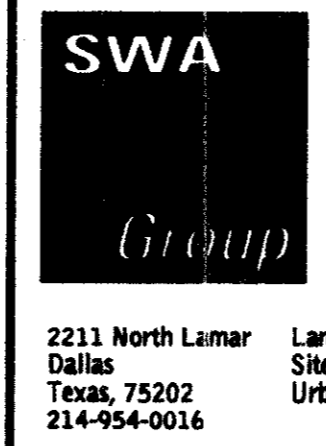
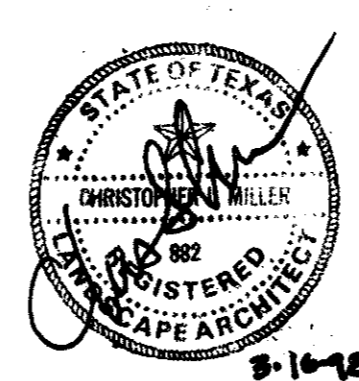


CROSS WALK ENLARGEMENT PLAN 2
SCALE: 1/4"=1'-0"

CONFORMED

CONTRACT SHEET No. 43 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP

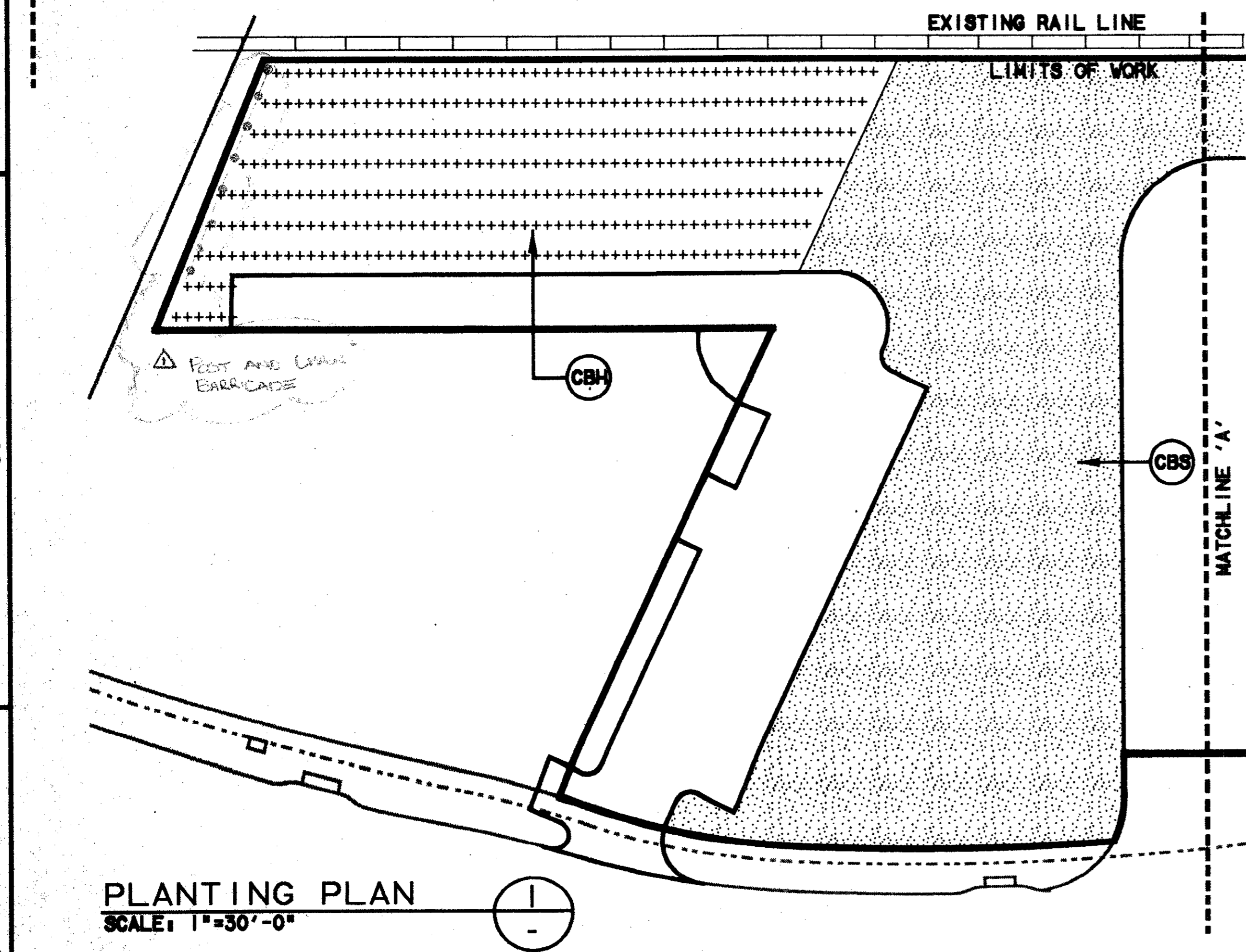
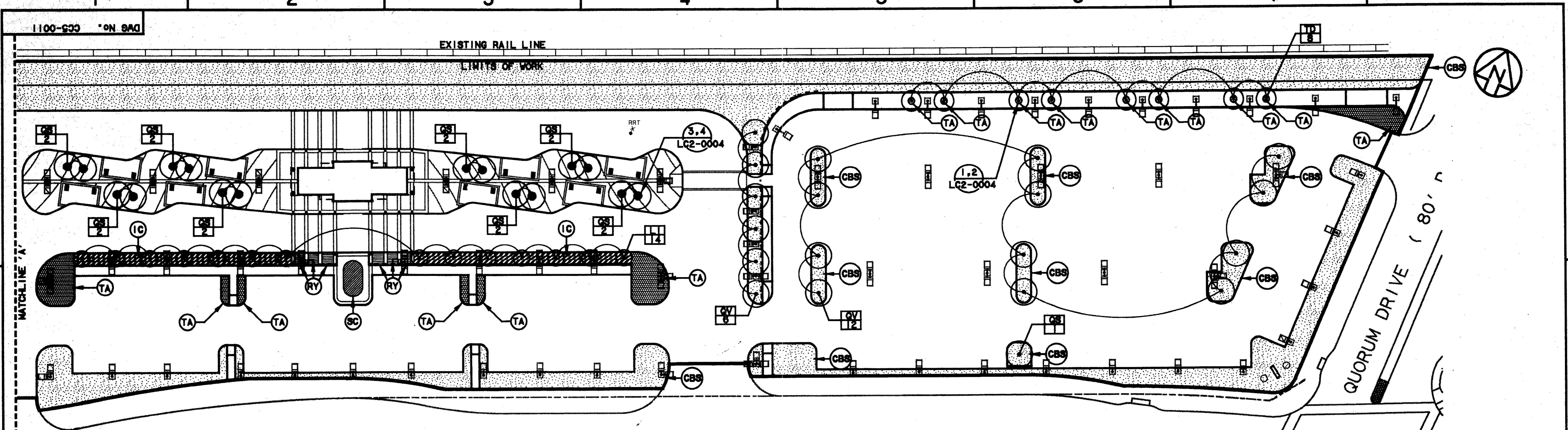


SCALE	AS NOTED
DRAWN	H. AVETON
DESIGNED	G. MILLER
CHECKED	G. MILLER
IN CHARGE	V. STEVEN
DATE	14 AUGUST 07

ADDISON TRANSIT CENTER HARDSCAPE ENLARGEMENT		
CONTRACT C-97000136	DWG No. CC5-0010	REV 0

\$\$\$SYTIME\$\$\$\$\$
 \$\$\$PRF\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$
 \$\$\$PRF ROT\$\$\$\$\$
 \$\$\$PEN\$\$\$\$\$
 \$\$\$FILE\$\$\$\$\$
 \$\$\$FILE\$\$\$\$\$
 \$\$\$FILE\$\$\$\$\$
 \$\$\$FILE\$\$\$\$\$

\$\$\$DGN\$SPECIFICATIONS\$\$\$
 \$\$\$SYTIME\$\$\$
 \$\$\$PRF\$\$\$
 \$\$\$SERNAME\$\$\$
 \$\$\$PRF ROT\$\$\$
 \$\$\$PEN\$\$\$
 \$\$\$SERNAME\$\$\$
 \$\$\$ILE6\$\$\$
 \$\$\$ILE7\$\$\$
 \$\$\$ILE8\$\$\$
 \$\$\$ILE9\$\$\$
 \$\$\$ILE10\$\$\$
 \$\$\$ILE1\$\$\$
 \$\$\$ILE2\$\$\$
 \$\$\$ILE3\$\$\$
 \$\$\$ILE4\$\$\$
 \$\$\$ILE5\$\$\$



Planting Legend:

- Proposed Tree
- Proposed Tree Quantity
- Proposed Seasonal Color
- Proposed Shrub
- Proposed Groundcover
- Proposed Sod
- Proposed Hydroseed

Planting Notes:

1. All disturbed areas within the contract limit line shall be planted in either lawn, shrub or groundcover beds as indicated. Where no planting is indicated, Common Bermuda hydroseed shall be used.
2. All areas within the contract limit line shall be irrigated by means of an underground automatic irrigation system.
3. All trees shall be guyed.
4. All planting beds adjacent to lawn areas shall be bordered by 4" high steel edging.

Planting Schedule:

Sym.	Qty.	Botanical/Common Name	Cal.	Height	Spread	Rootball	Remarks
Trees:							
LI	14	Lagerstroemia indica / Grape-Myrtle 'tuskegee'	2"	10'	5'-6'	65 Gal.	Multi-Trunk, 3 - trunk min.
GS	17	Quercus shumardii / Shumard Red Oak	4"	16'-18'	8'-10'	100 Gal.	Full tree, matched
QV	18	Quercus virginiana / Live Oak	4"	16'-18'	8'-10'	100 Gal.	Full tree, matched
TD	8	Taxodium Disticum / Bald Cypress	4"	16'-18'	6'-8'	B&B	Full tree, matched
Shrubs / Groundcovers:							
IC		Ilex cornuta 'Burfordi' nana / Dwarf Burford Holly	5 Gal.	2'-3'	1.5'-2'	5 Gal.	Full plant, triang. spacing, 24" O.C.
RY		Hesperaloe Parviflora / Red Yucca	5 Gal.	20"-30"	1.5'	5 Gal.	Full plant, triang. spacing, 18" O.C.
TA		Trachelospermum asiaticum / Asian Jasmine				4" Pots	Full plant, 4-12" runners per plant, 8" O.C.
SC		Seasonal Color				4" Pots	Full plant, matched, owner to select species, triang. spacing, 6" O.C.
CBS		Common Bermuda Sod					Solid Sod Bermuda
CBH		Common Bermuda Hydroseed					Hydroseed Bermuda

PLANTING PLAN
SCALE: 1"=30'-0"

CONFORMED

CONTRACT SHEET No. 44 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
△	8/30/99	RECORD (AS-BUILT) DRAWING					△						
△							△						
△							△						
△							△						
△							△						
△							△						



SWA Group
2211 North Lamar
Dallas, Texas, 75202
214-954-0016
Landscape Architecture
Site Planning
Urban Design

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
1825 MARKET CENTER BLVD - SUITE 510
DALLAS, TEXAS 75207
(214) 748-7777

DART PROJECT

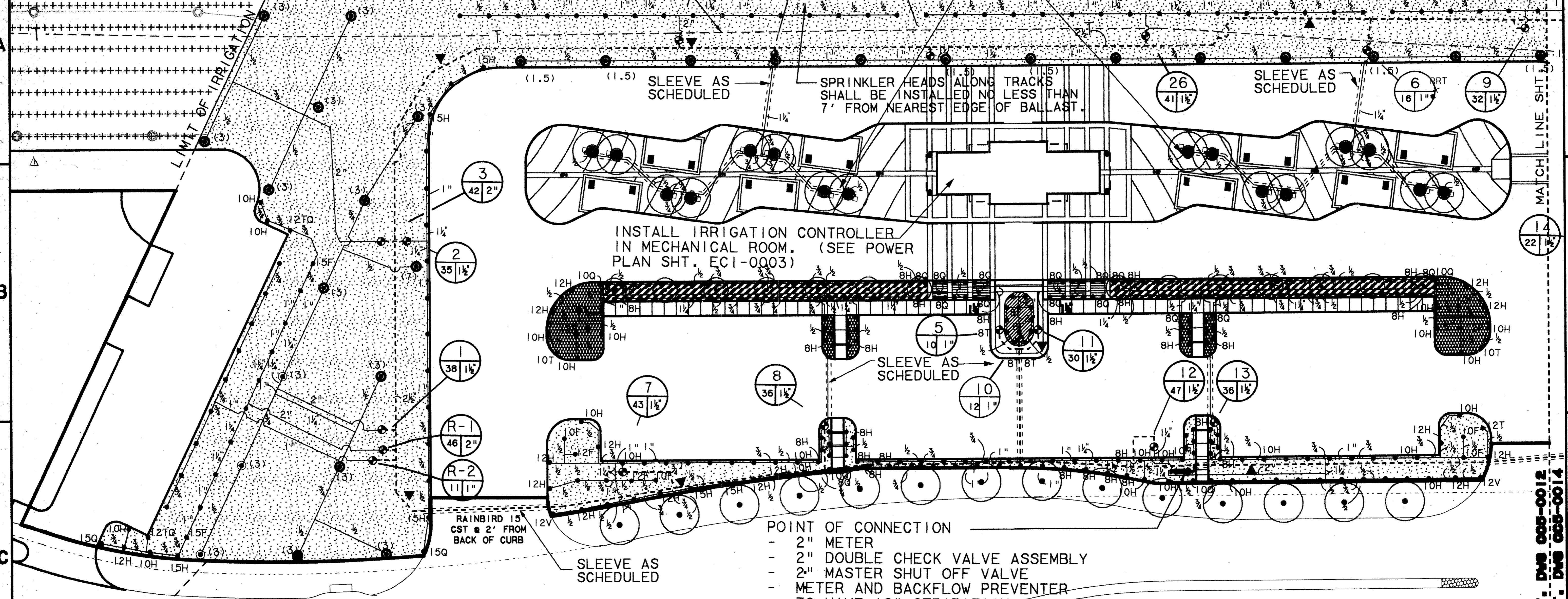
SCALE	1"=30'-0"
DRAWN	N. AVETON
DESIGNED	C. MILLER
CHECKED	C. MILLER
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

ADDISON TRANSIT CENTER PLANTING PLAN

CONTRACT	C-97000136	DWG No.	CG5-0011	REV	01
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NOTE: VERIFY LOCATION OF EXISTING MC FIBRE OPTICS LINE IN THIS AREA. MAINTAIN A MINIMUM OF 5' BETWEEN IRRIGATION MAIN LINE AND FIBRE OPTICS LINE. NOTIFY D.A.R.T. OF CONFLICTS.

SLEEVE AS SCHEDULED: SLEEVE AND PIPE MUST BE INSTALLED PRIOR TO CONSTRUCTION OF TRANSIT PLATFORM. COORDINATE WITH OTHER CONTRACTORS. SLEEVE MUST BE EXTENDED 12" MIN. INTO PLANTER.

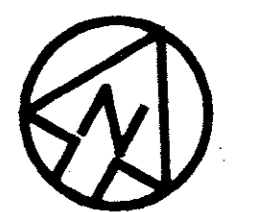


- POINT OF CONNECTION
- 2" METER
 - 2" DOUBLE CHECK VALVE ASSEMBLY
 - 2" MASTER SHUT OFF VALVE
 - METER AND BACKFLOW PREVENTER TO HAVE 18" SEPARATION.

NOTE: REFER TO DRAWING LC2-0005 FOR LEGEND & SLEEVE SCHEDULE

ARAPAHO ROAD

CONFORMED



SCALE (1 IN FEET)

HALFF ASSOCIATES, INC. IRRIGATION CONSULTANTS CONTRACT SHEET No. 45 OF 95

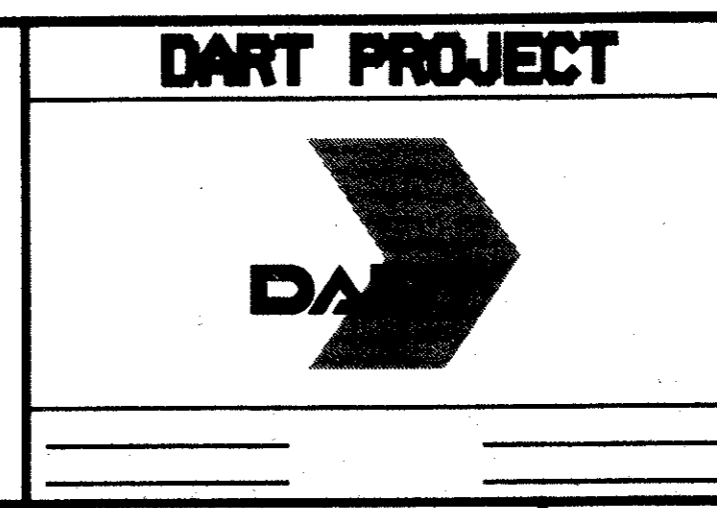
ADDISON TRANSIT CENTER IRRIGATION PLAN

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
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△							△						
△							△						
△							△						
△							△						



SWA Group 2211 North Lamar Dallas, Texas, 75202 214-954-0016

WLA WENDY LOPEZ & ASSOCIATES, INC. ENGINEERING • SURVEYING • CONSTRUCTION SERVICES 125 MARKET CENTER BLVD - SUITE 510 DALLAS, TEXAS 75207 (214) 746-7777

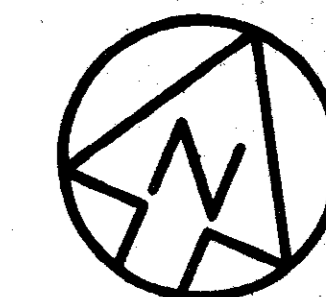


SCALE 1"=20'-0" DRAWN L. HUNTER DESIGNED B. BRISTOV CHECKED B. BRISTOV IN CHARGE V. STEVENS DATE 14 AUGUST 97

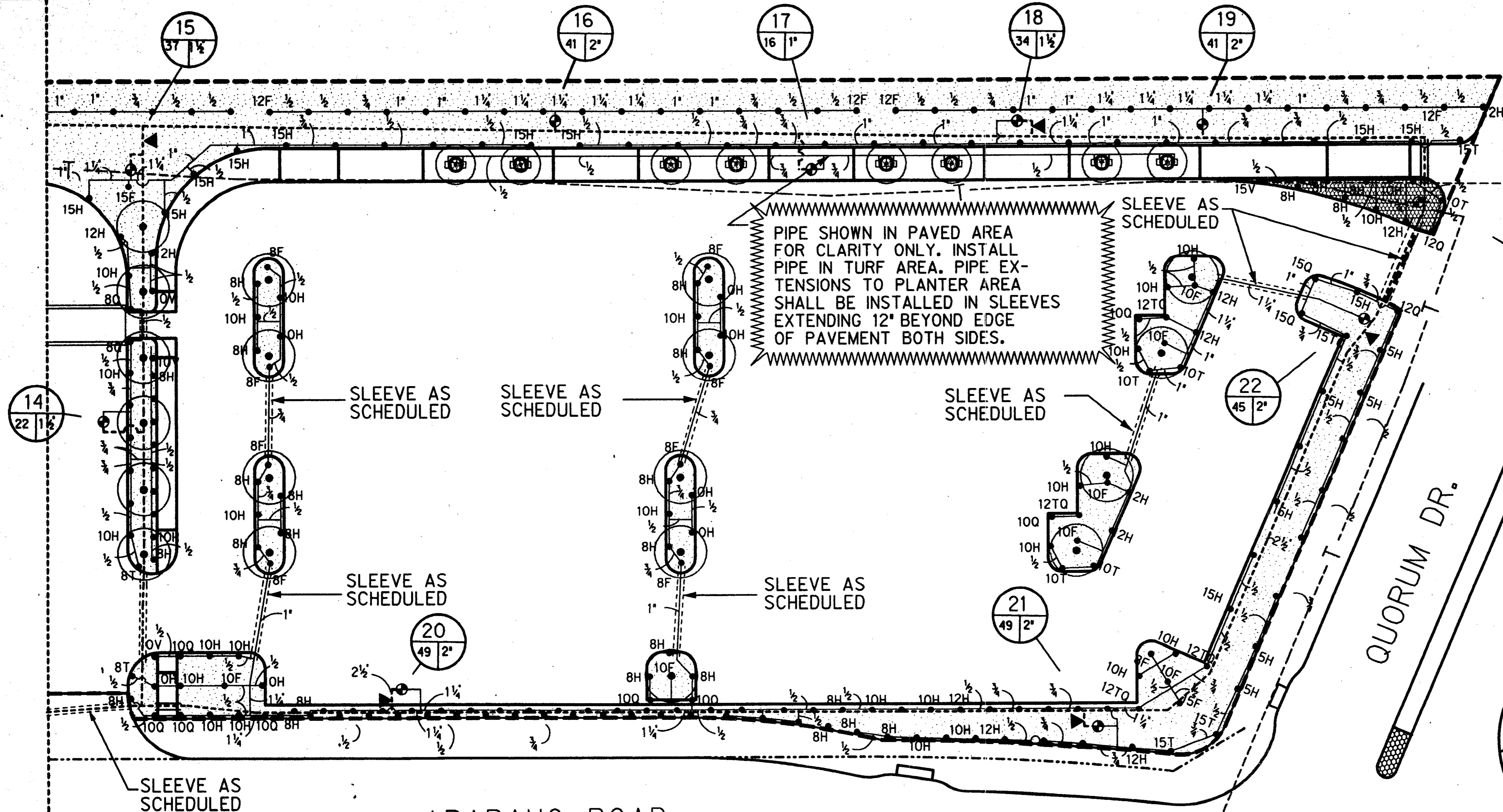
CONTRACT C-97000136 DWG No. CCS-0012 REV 01

Vertical text on the left margin: \$\$\$\$SYTIME\$\$\$\$, \$\$\$\$PRF\$\$\$\$, \$\$\$\$USERNAME\$\$\$\$, \$\$\$\$ROT\$\$\$\$, \$\$\$\$PEN\$\$\$\$, \$\$\$\$FILE6\$\$\$\$, \$\$\$\$FILE7\$\$\$\$, \$\$\$\$FILE8\$\$\$\$, \$\$\$\$FILE9\$\$\$\$, \$\$\$\$FILE10\$\$\$\$, \$\$\$\$FILE11\$\$\$\$, \$\$\$\$FILE12\$\$\$\$, \$\$\$\$FILE13\$\$\$\$, \$\$\$\$FILE14\$\$\$\$, \$\$\$\$FILE15\$\$\$\$

Vertical text on the right margin: MATCH LINE SHT. DWG CCS-0012, MATCH LINE SHT. DWG CCS-0014



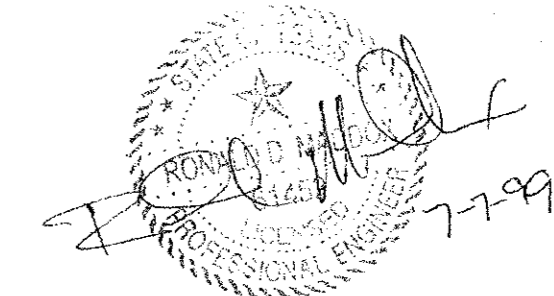
0 5 10 15 20 30 40 60
SCALE (IN FEET)



PIPE SHOWN IN PAVED AREA FOR CLARITY ONLY. INSTALL PIPE IN TURF AREA. PIPE EXTENSIONS TO PLANTER AREA SHALL BE INSTALLED IN SLEEVES EXTENDING 12' BEYOND EDGE OF PAVEMENT BOTH SIDES.

NOTE:
1) REFER TO DRAWING LC2-0005 FOR LEGEND & SLEEVE SCHEDULE
2) INSTALL TWO(2) IRRIGATION BUBBLERS AS SPECIFIED, AT OPPOSITE SIDES OF TREE ROOT BALL (TYP.)

Record (As-built) Certification
Having checked this submission, we certify that it conforms to the requirements of the contract in all respects, except as otherwise indicated.
Contract No. 97000136
Date of Certification: 8/14/97
Tom Kinder
President
Seal of the Professional Engineer of Construction (contractor) according to the laws of the State of Texas. The seal number is 97000136. The seal shall be placed below.



CONFORMED

HALFF ASSOCIATES, INC.
IRRIGATION CONSULTANTS

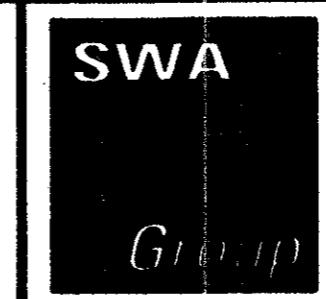
CONTRACT SHEET No. 46 OF 95

ADDISON
TRANSIT CENTER
IRRIGATION PLAN

MATCH LINE SHT. DWG CC5-0012
MATCH LINE SHT. DWG CC5-0014

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY E. BRIAN BRISTOW, L.I. 4639 ON AUG. 13, 1997. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE LICENSED IRRIGATOR IS AN OFFENSE UNDER THE TEXAS LICENSED IRRIGATORS ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF HALFF ASSOCIATES, INC., 8616 NORTHWEST PLAZA DRIVE, DALLAS TEXAS 75225

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP

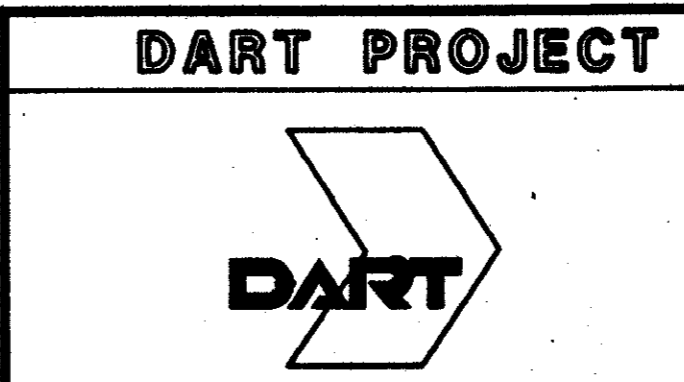


2211 North Lamar
Dallas, Texas 75202
214-954-0016

Landscape
Architecture
Site Planning
Urban Design



WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING - SURVEYING - CONSTRUCTION SERVICES
303 MARKET CENTER BLVD - SUITE 200
DALLAS, TEXAS 75201
(214) 741-7777



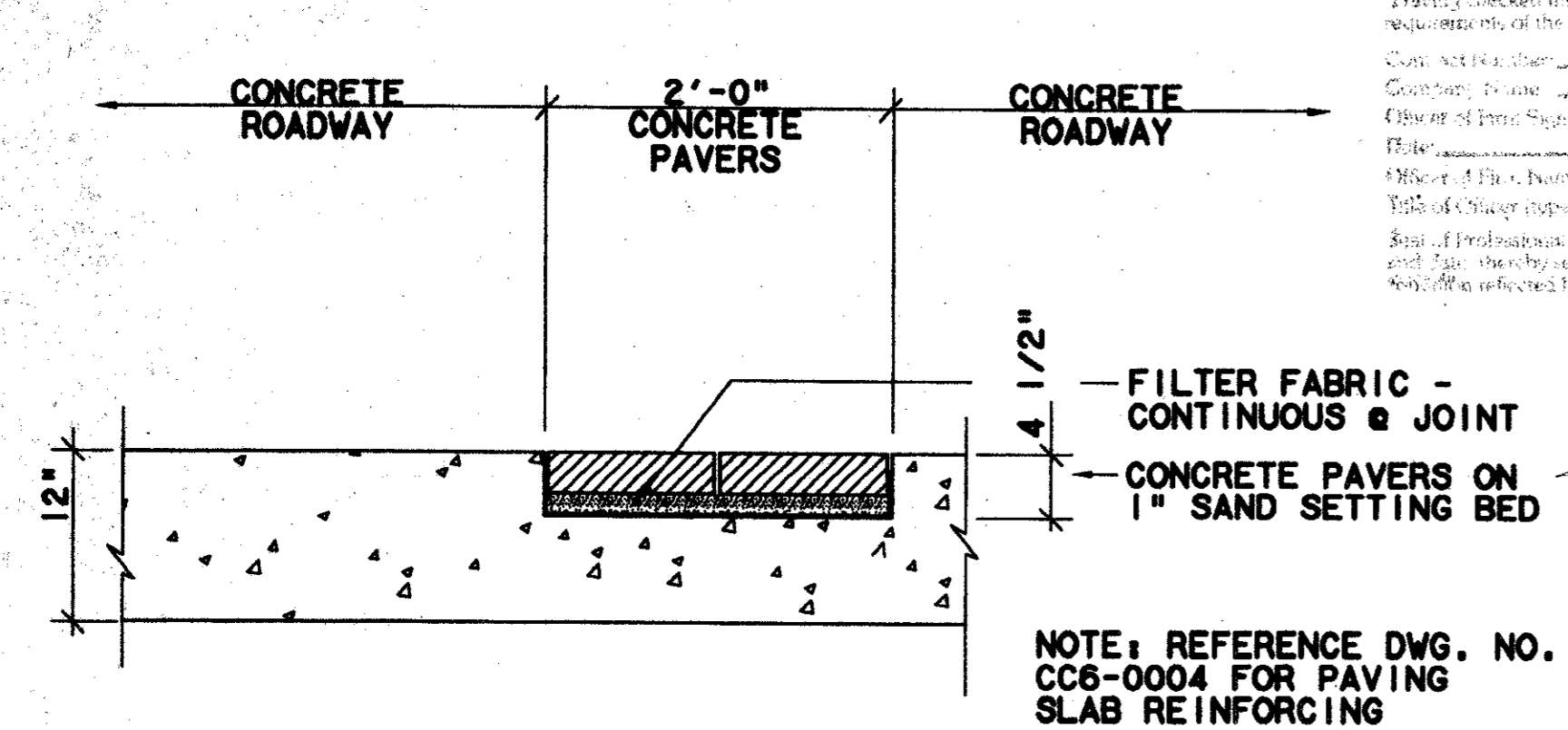
SCALE 1"=20'-0"
DRAWN L. HUGHES
DESIGNED B. BRISTOW
CHECKED B. BRISTOW
IN CHARGE V. STEVENS
DATE 14 AUGUST 97

CONTRACT C-97000136 DWG No. CC5-0014 REV 0

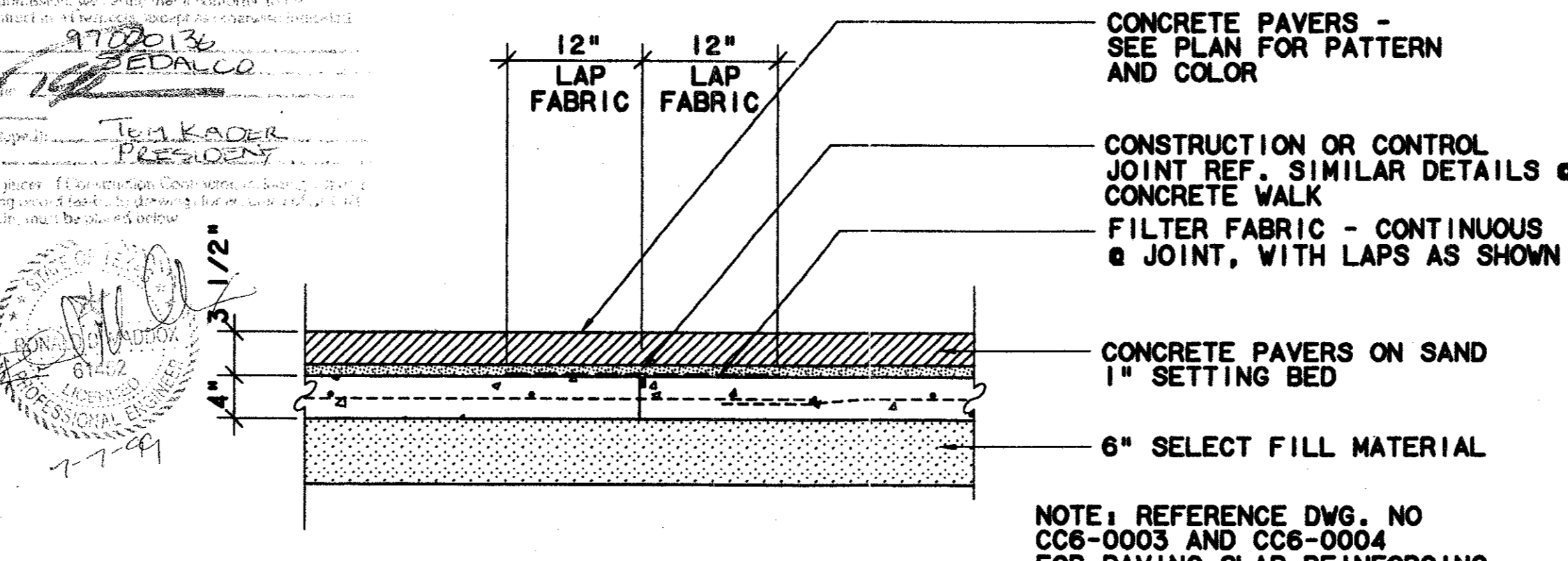
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 \$\$\$\$USERNAME\$\$\$
 \$\$\$\$PRF ROT\$\$\$
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 \$\$\$\$ILE10\$\$\$
 \$\$\$\$ILE11\$\$\$
 \$\$\$\$ILE12\$\$\$
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 \$\$\$\$ILE14\$\$\$
 \$\$\$\$ILE15\$\$\$

1000-2071 *ON 9AD

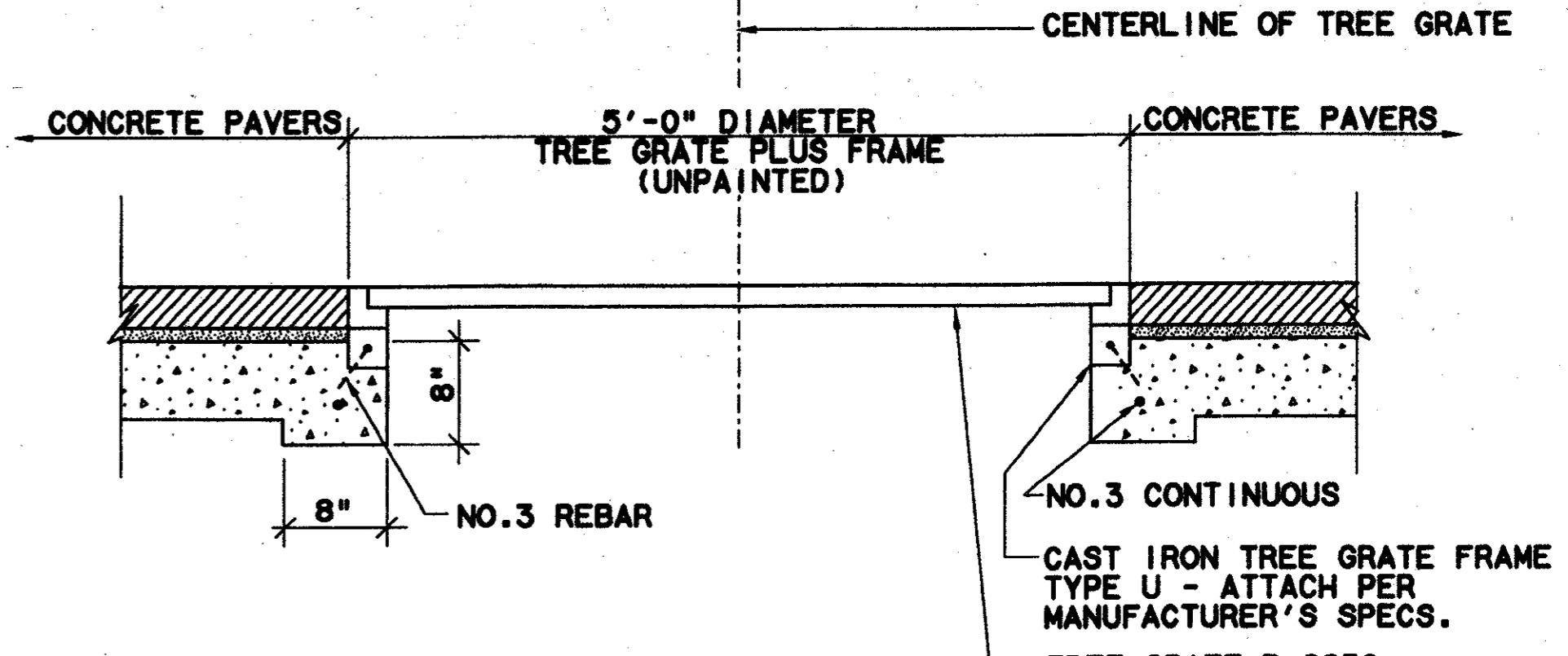
Record (A-424) Certificate
 Having checked the submission, we certify that it complies with the requirements of the contract documents and the applicable codes and regulations.
 Date: 8/12/97
 Signature: J. K. KADER, PRESIDENT
 Title: President
 Seal: J. K. KADER, P.E., No. 0112, State of Texas



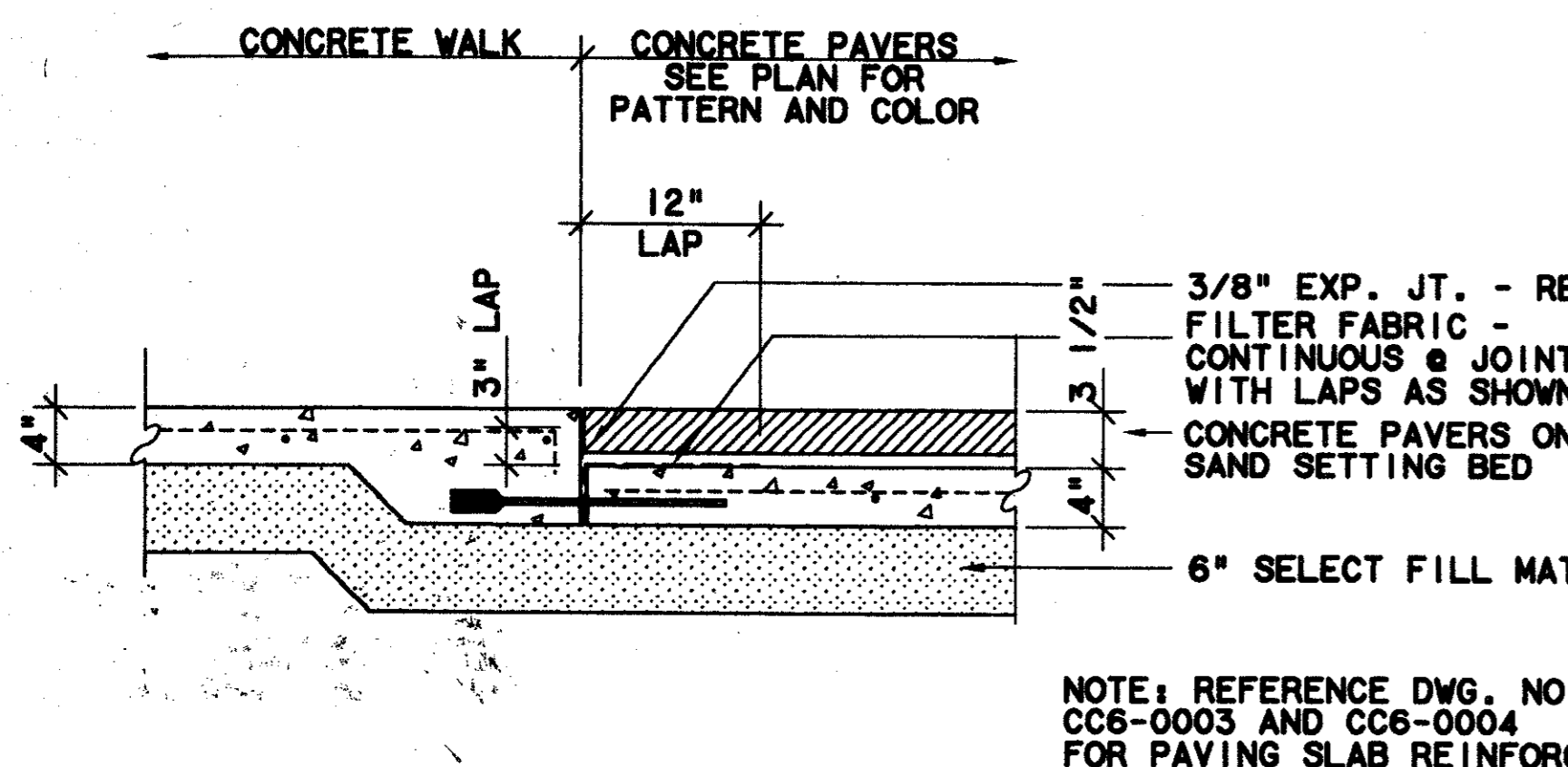
PAVER INSET @ ROADWAY - SECTION
 SCALE: 1"=1'-0"
 CC5-0009
 CC5-0010



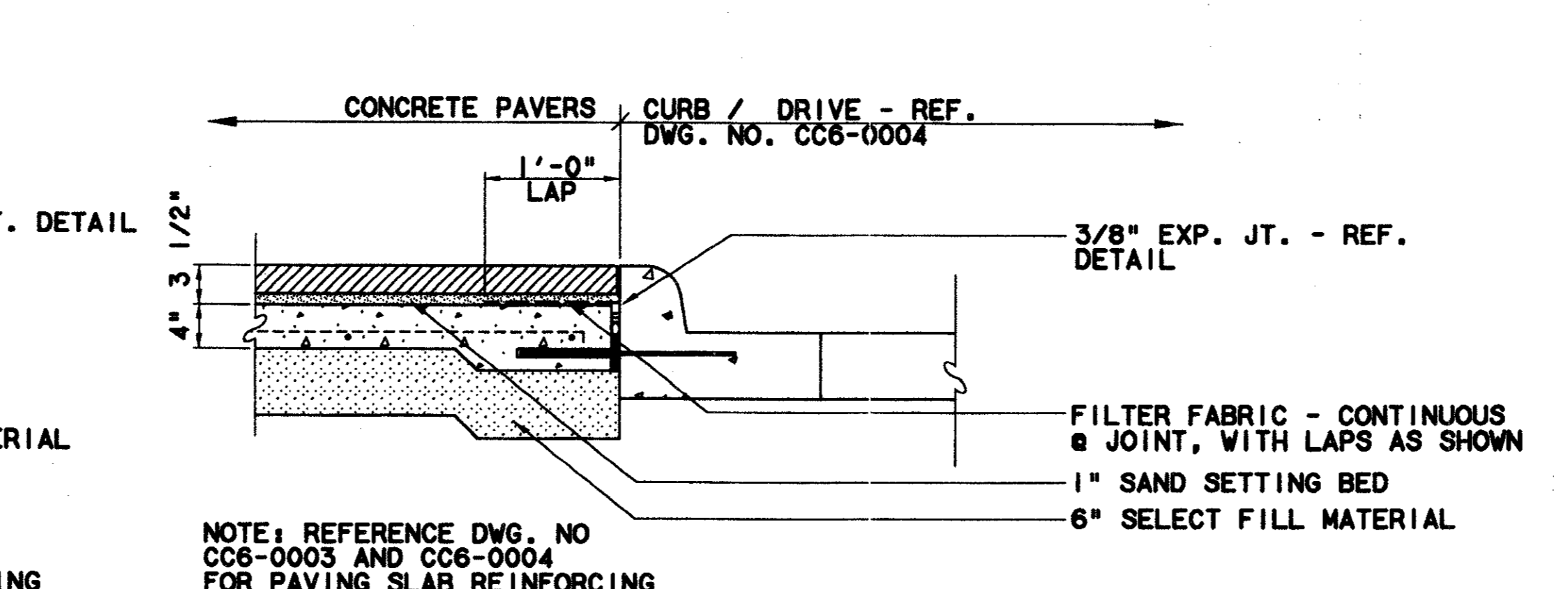
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 SCALE: 1"=1'-0"
 CC5-0004



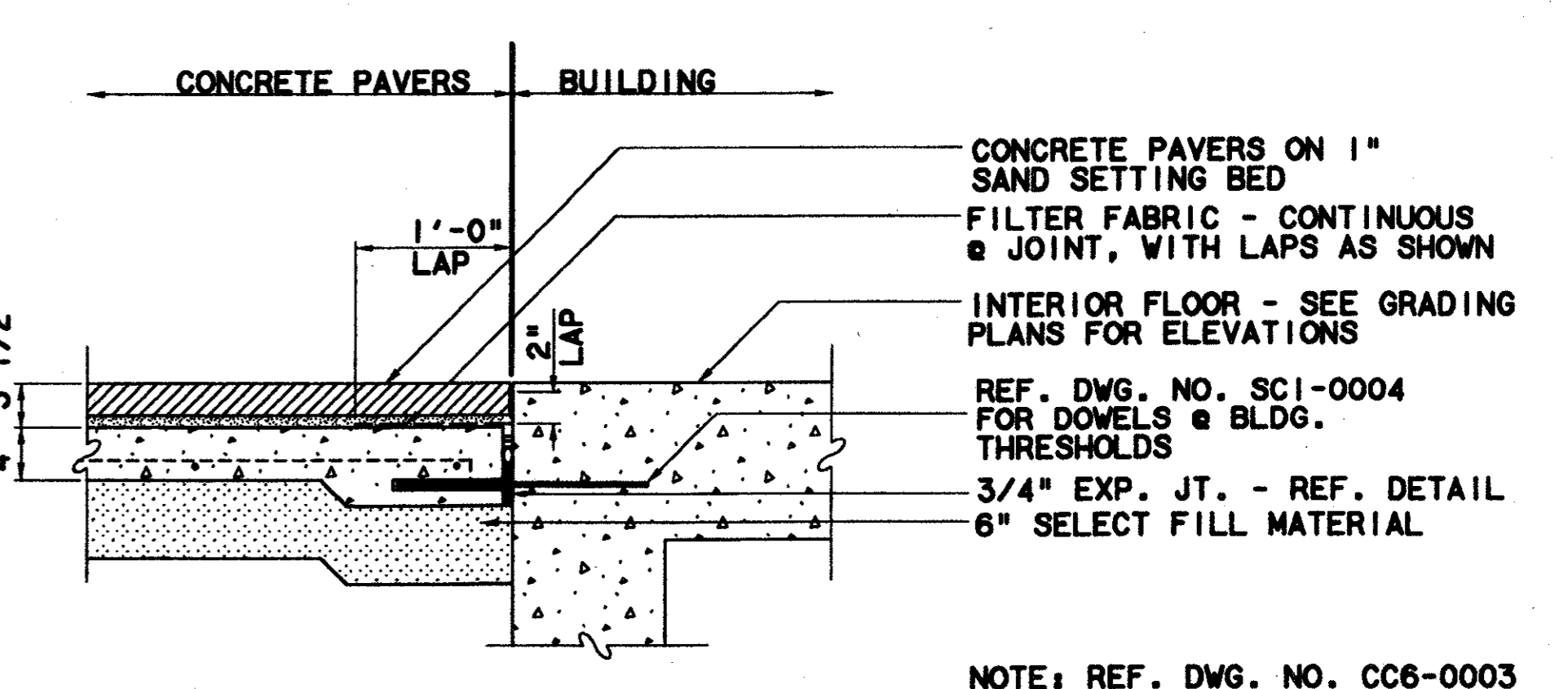
PAVERS @ TREE GRATE - SECTION
 SCALE: 1"=1'-0"
 CC5-0009



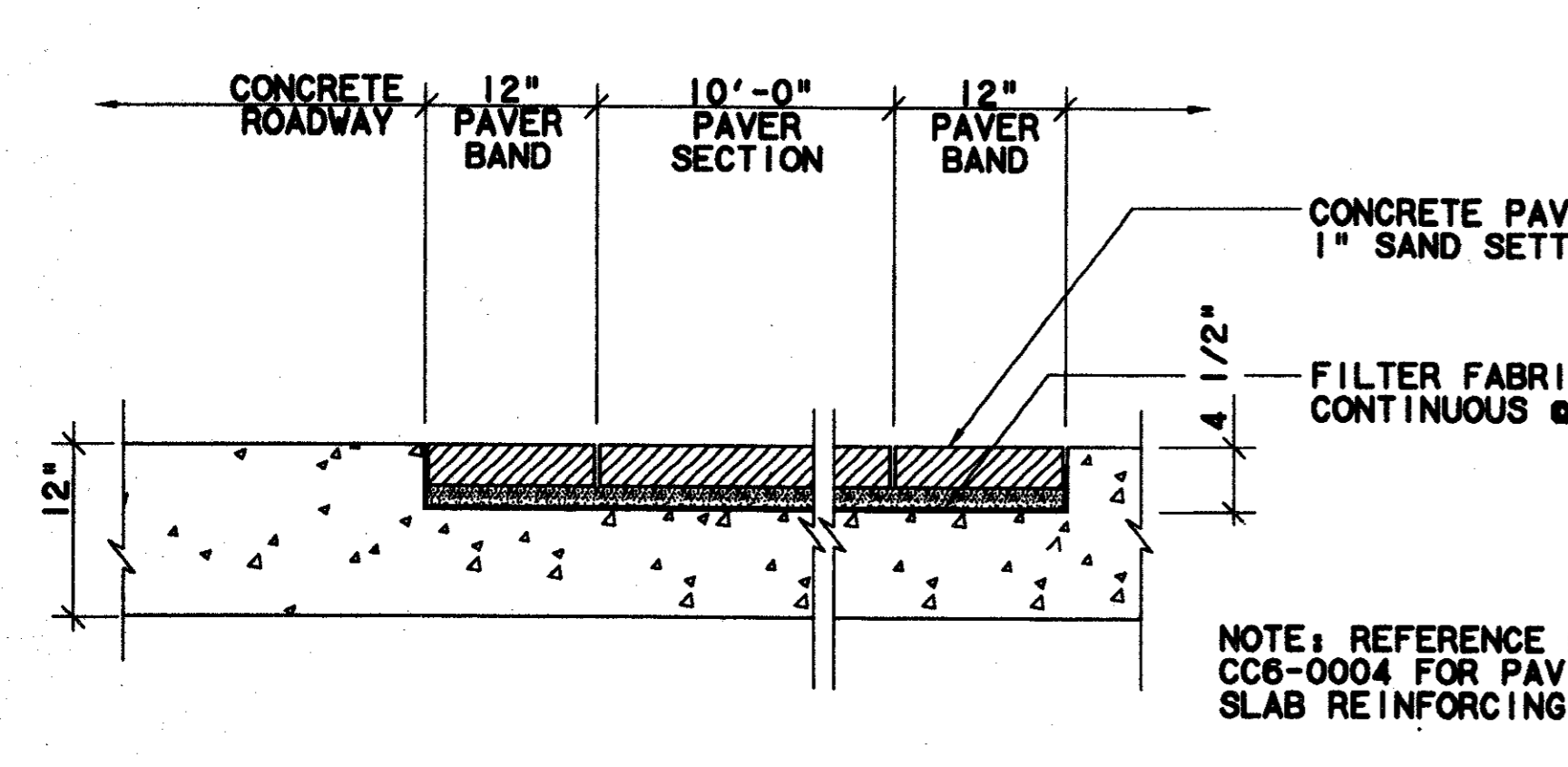
PAVERS @ CONCRETE WALK - SECTION
 SCALE: 1"=1'-0"
 CC5-0009
 CC5-0010



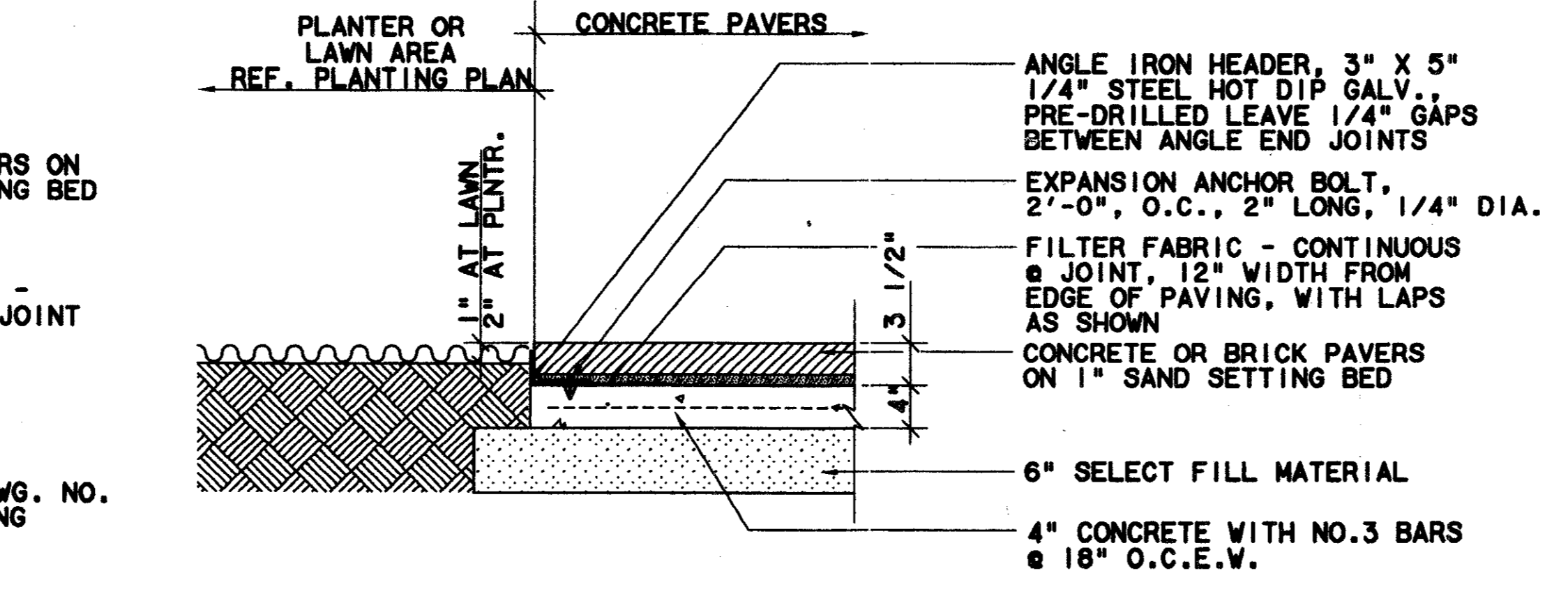
PAVERS @ CURB - SECTION
 SCALE: 1"=1'-0"
 CC5-0009



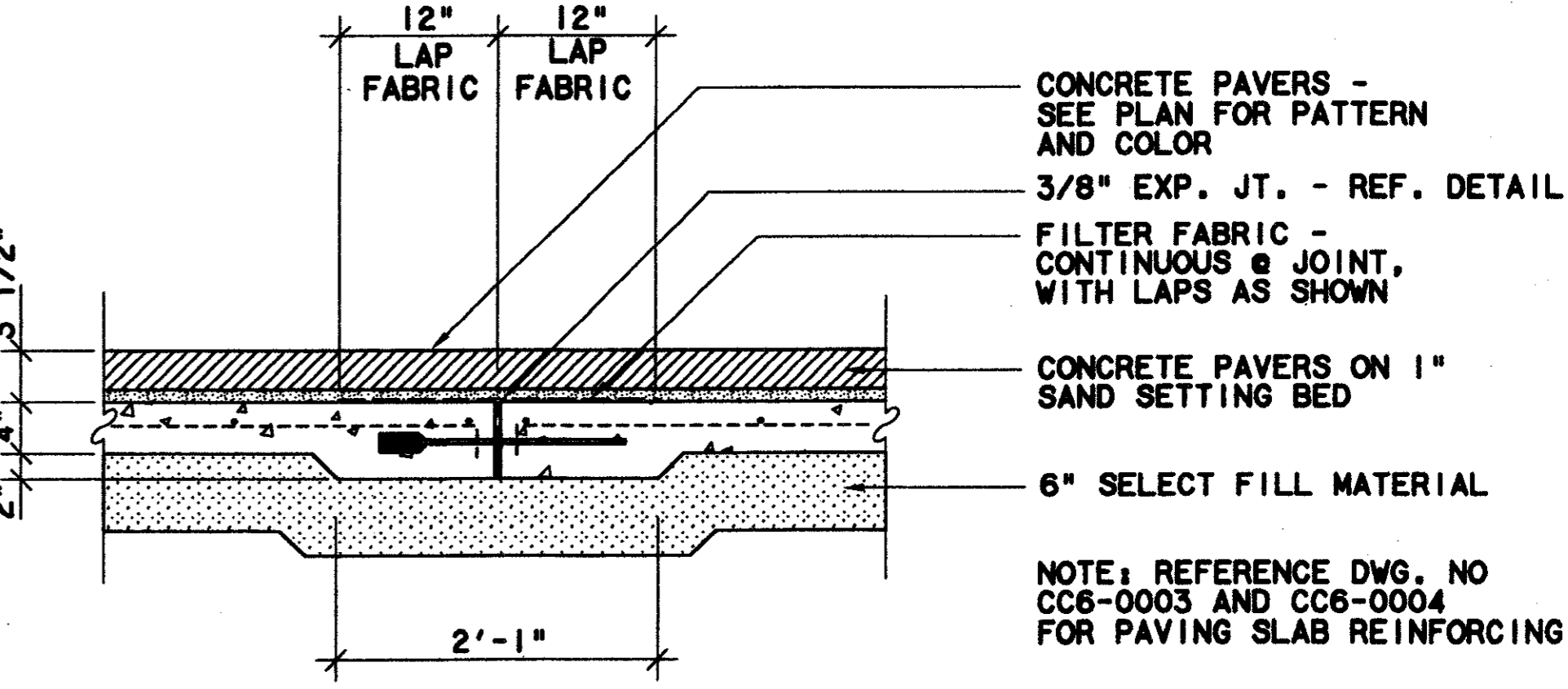
PAVERS @ BUILDING - SECTION
 SCALE: 1"=1'-0"
 CC5-0009



PAVER INSET @ ROADWAY - SECTION
 SCALE: 1"=1'-0"
 CC5-0010



PAVERS @ PLANTER - SECTION
 SCALE: 1"=1'-0"
 CC5-0009
 CC5-0010

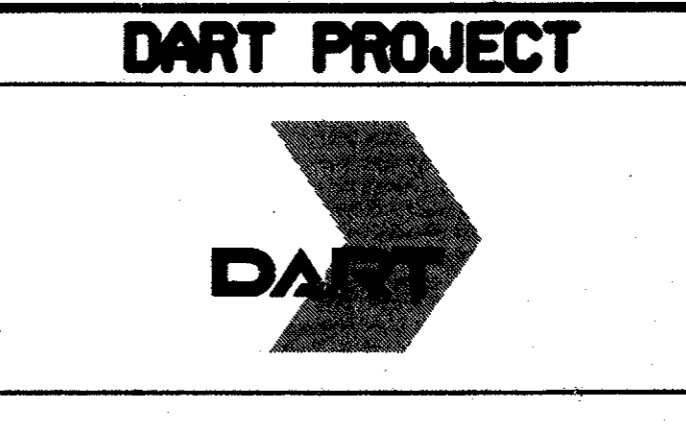
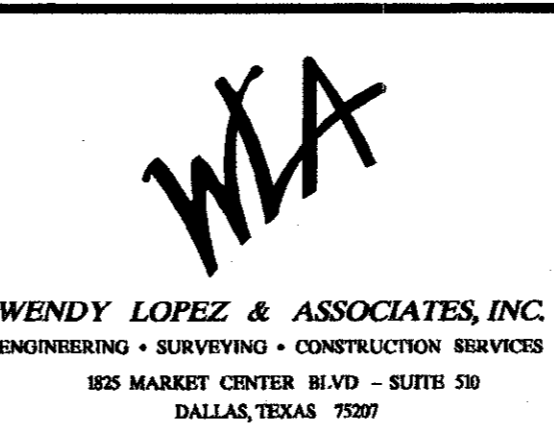
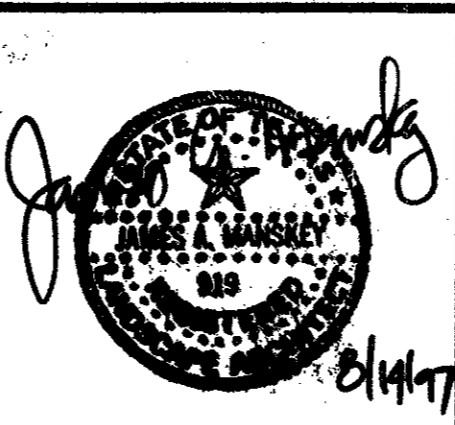


PAVERS OVER EXPANSION JOINT - SECTION
 SCALE: 1"=1'-0"
 CC5-0009

CONFORMED

CONTRACT SHEET No. 47 OF 95

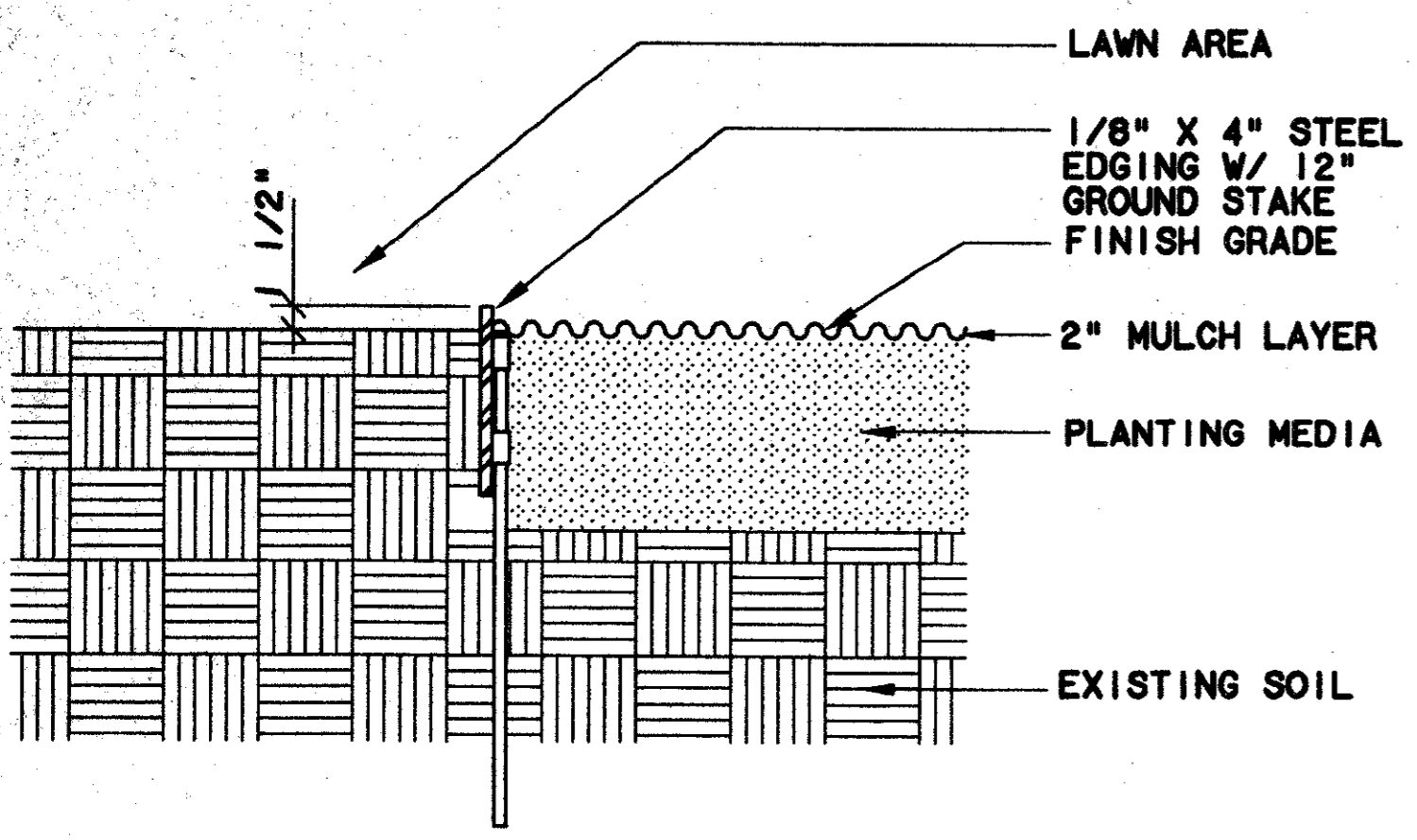
REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



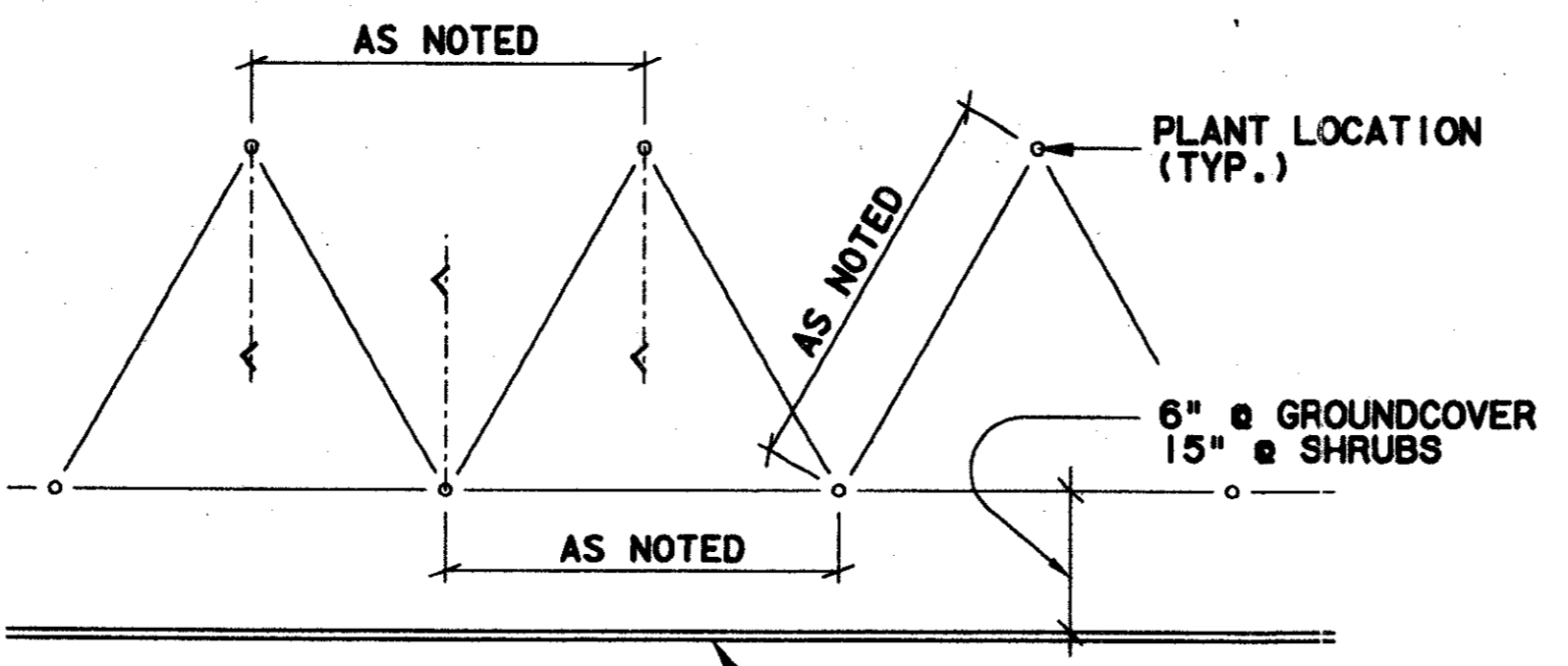
SCALE	AS NOTED
DRAWN	N. AVETON
DESIGNED	C. MILLER
CHECKED	C. MILLER
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

ADDISON TRANSIT CENTER HARDSCAPE DETAILS

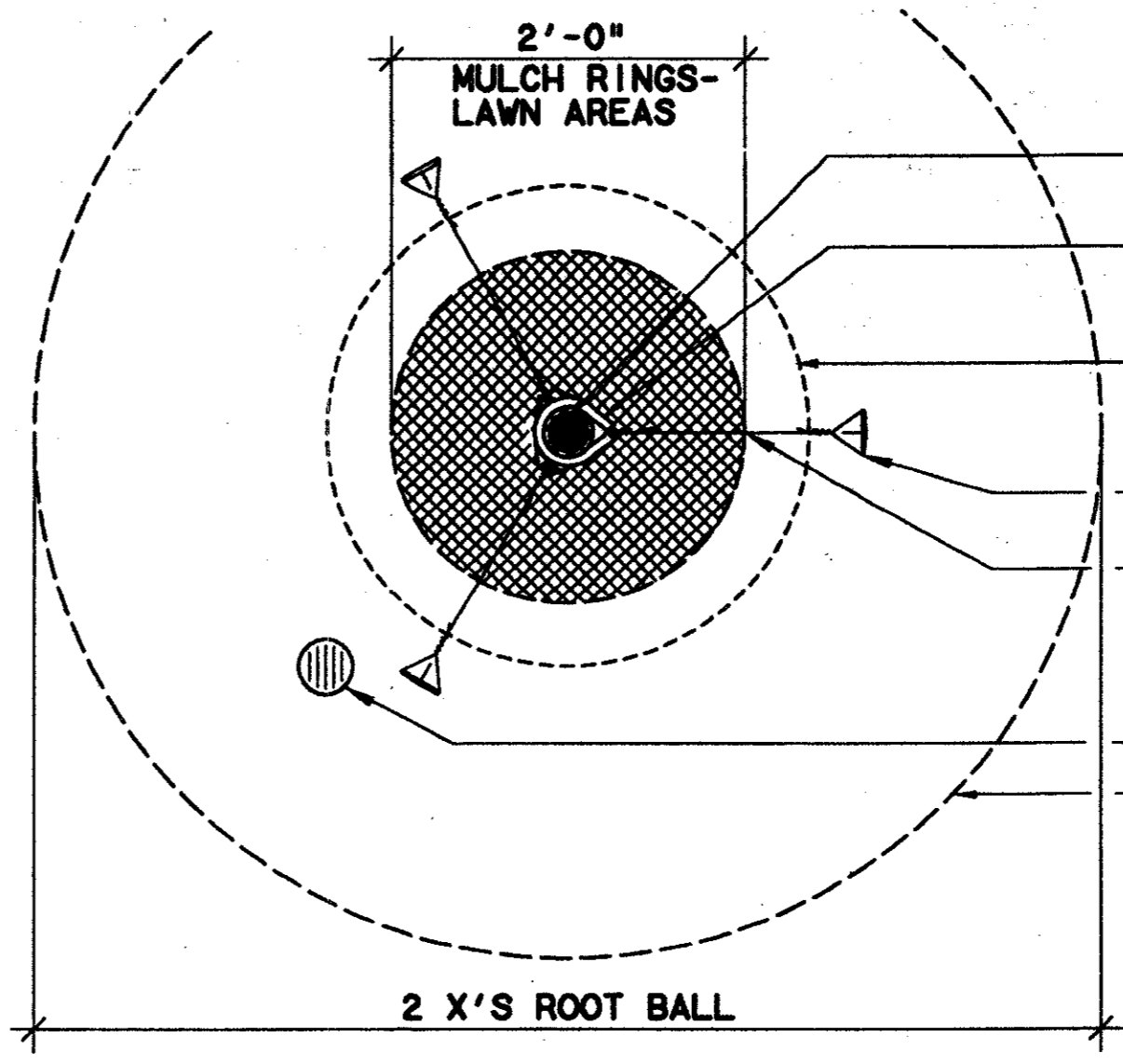
CONTRACT C-97000136 DWG No. LC2-0001 REV 0



STEEL EDGING - SECTION
N.T.S. (6)



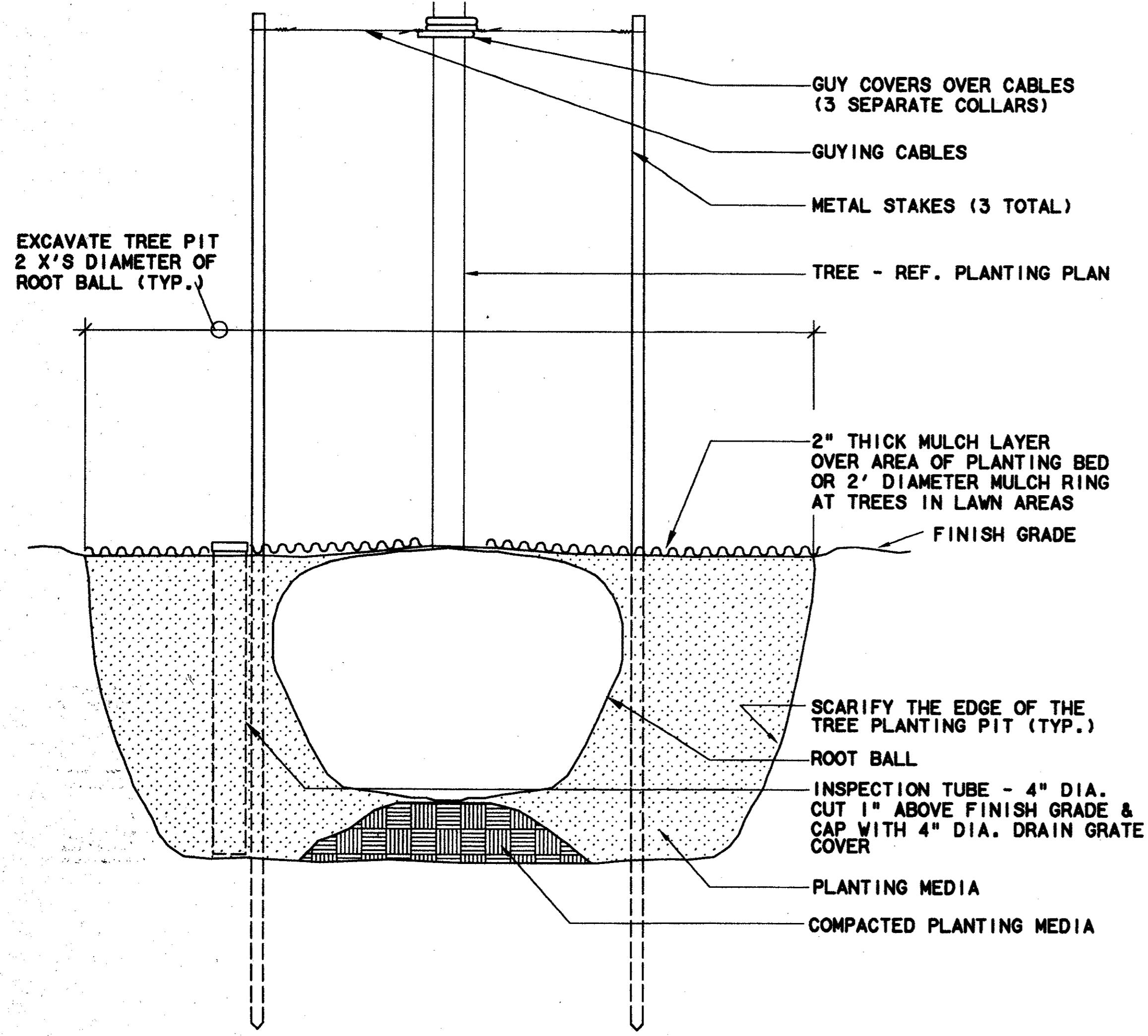
NOTE: SPACING DIAGRAM REFERS TO ALL PLANTING UNLESS NOTED OTHERWISE.
PAVING EDGE / BUILDING / CURB / STEEL EDGING
TRIANGULAR SPACING - PLAN
N.T.S. (5)



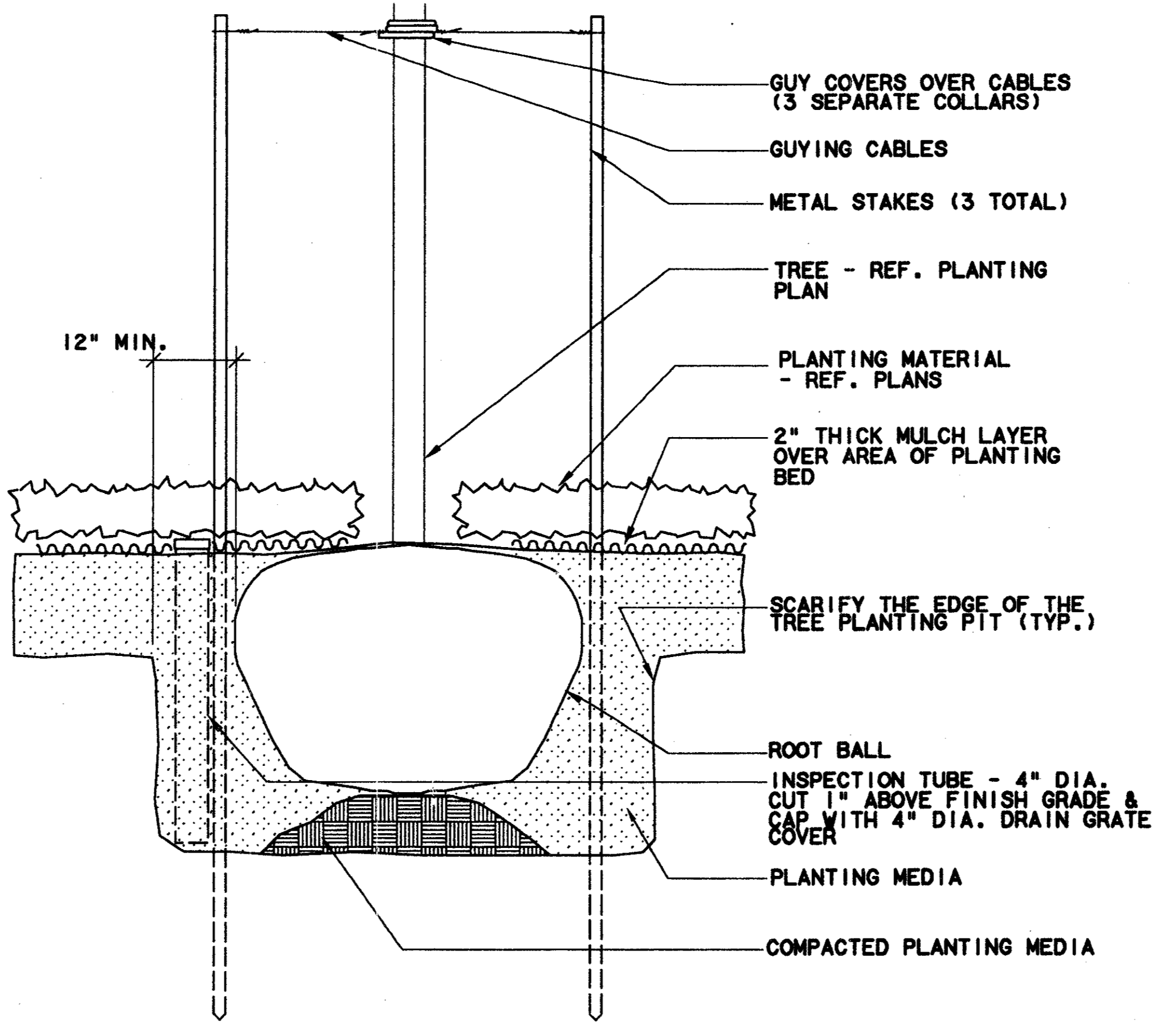
TYPICAL TREE STAKING - PLAN
N.T.S. (3)

Professional Seal:
RONALD D. MILLER
Professional Engineer
No. 000036
Date: 7/20/97
Title: President
Tom Kader
President

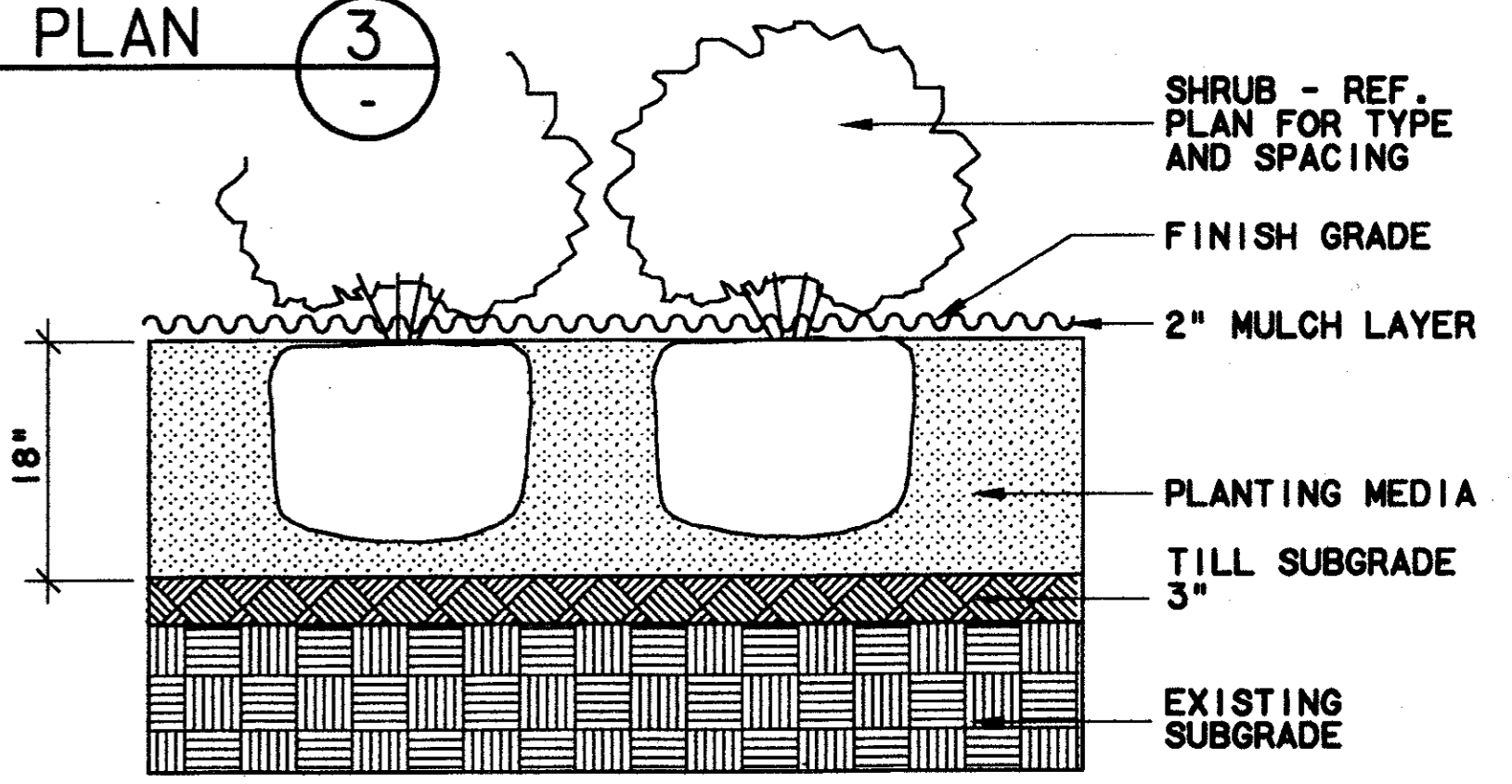
Record (As-built) Certification:
I hereby certify that the information contained herein is a true and correct copy of the original as-built drawings for the project described herein.
Signature: [Signature]
Date: [Date]



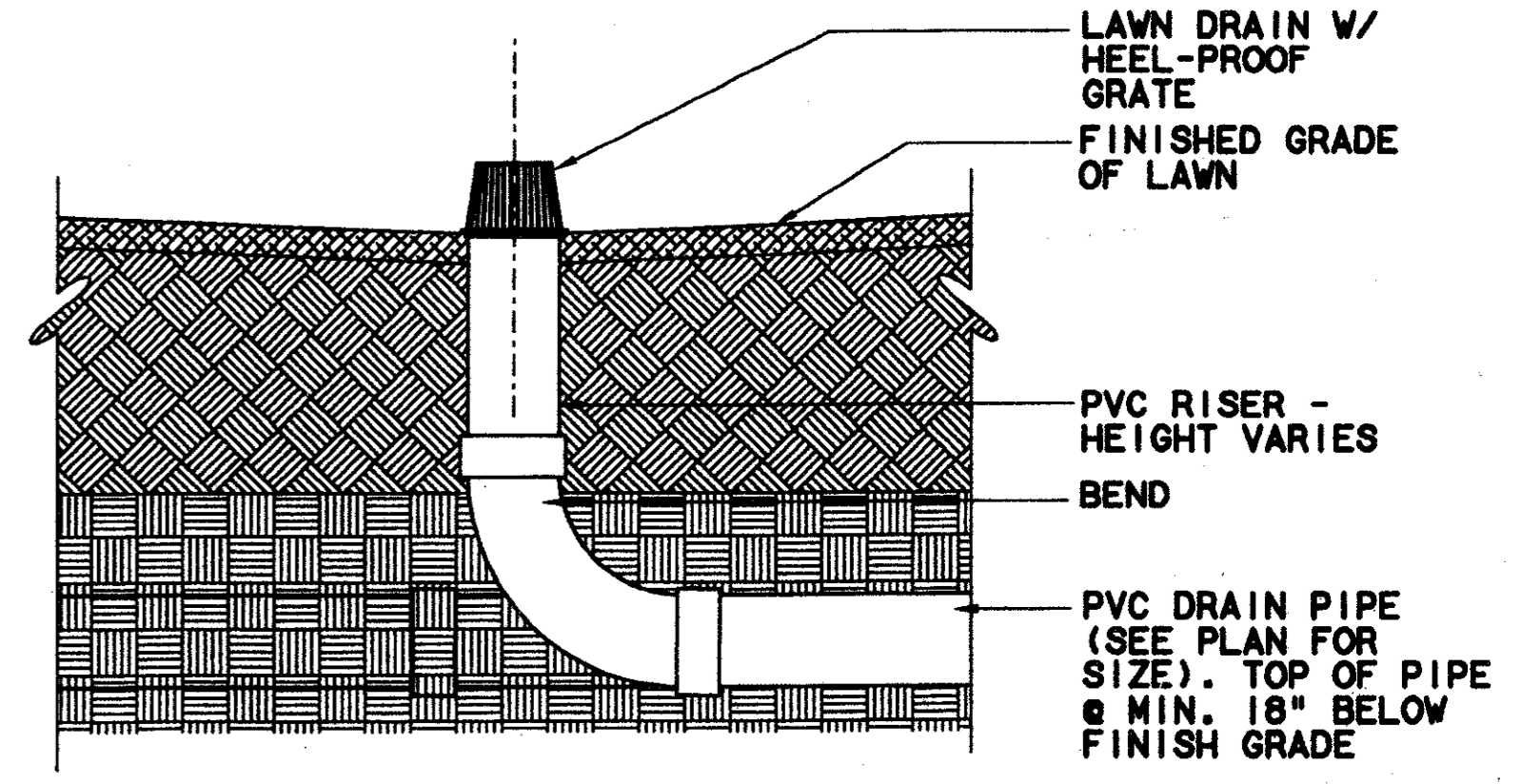
TREE STAKING @ LAWN - SECTION
N.T.S. (7)



TREE STAKING @ PLANTER - SECTION
N.T.S. (4)



SHRUB PLANTING - SECTION
N.T.S. (1)



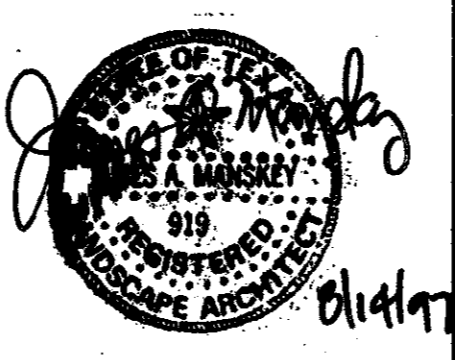
PLANTER DRAIN - SECTION
N.T.S. (2)

CONFORMED

CONTRACT SHEET No. 49 OF 95

**ADDISON
TRANSIT CENTER
PLANTING DETAILS**

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



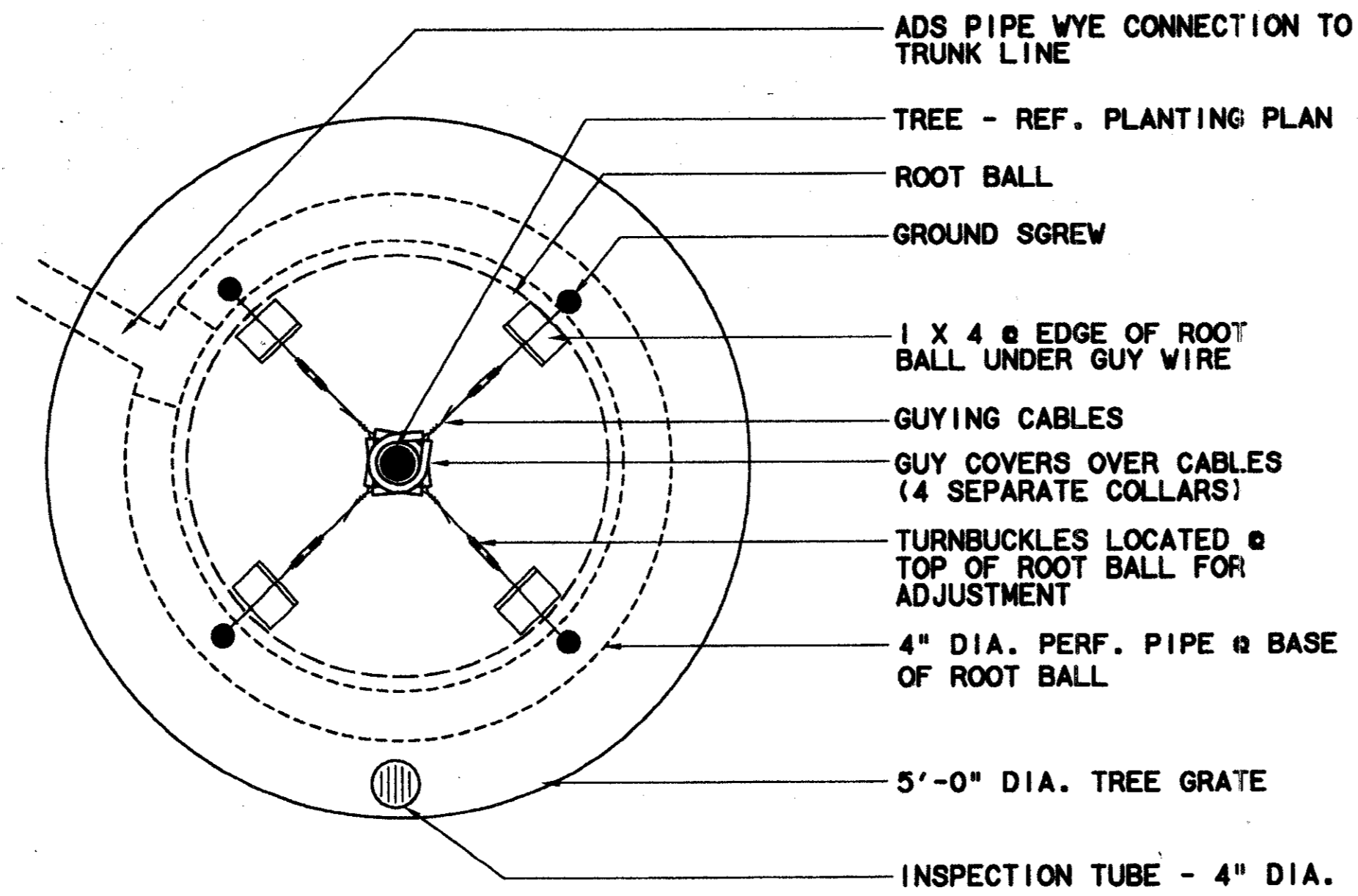
SWA Group
229 North Lamar
Dallas, Texas 75202
214-904-6716

Landscape Architecture
Site Planning
Urban Design

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
1025 MARKET CENTER BLVD - SUITE 510
DALLAS, TEXAS 75207
(214) 741-7777

DART PROJECT
DART Logo

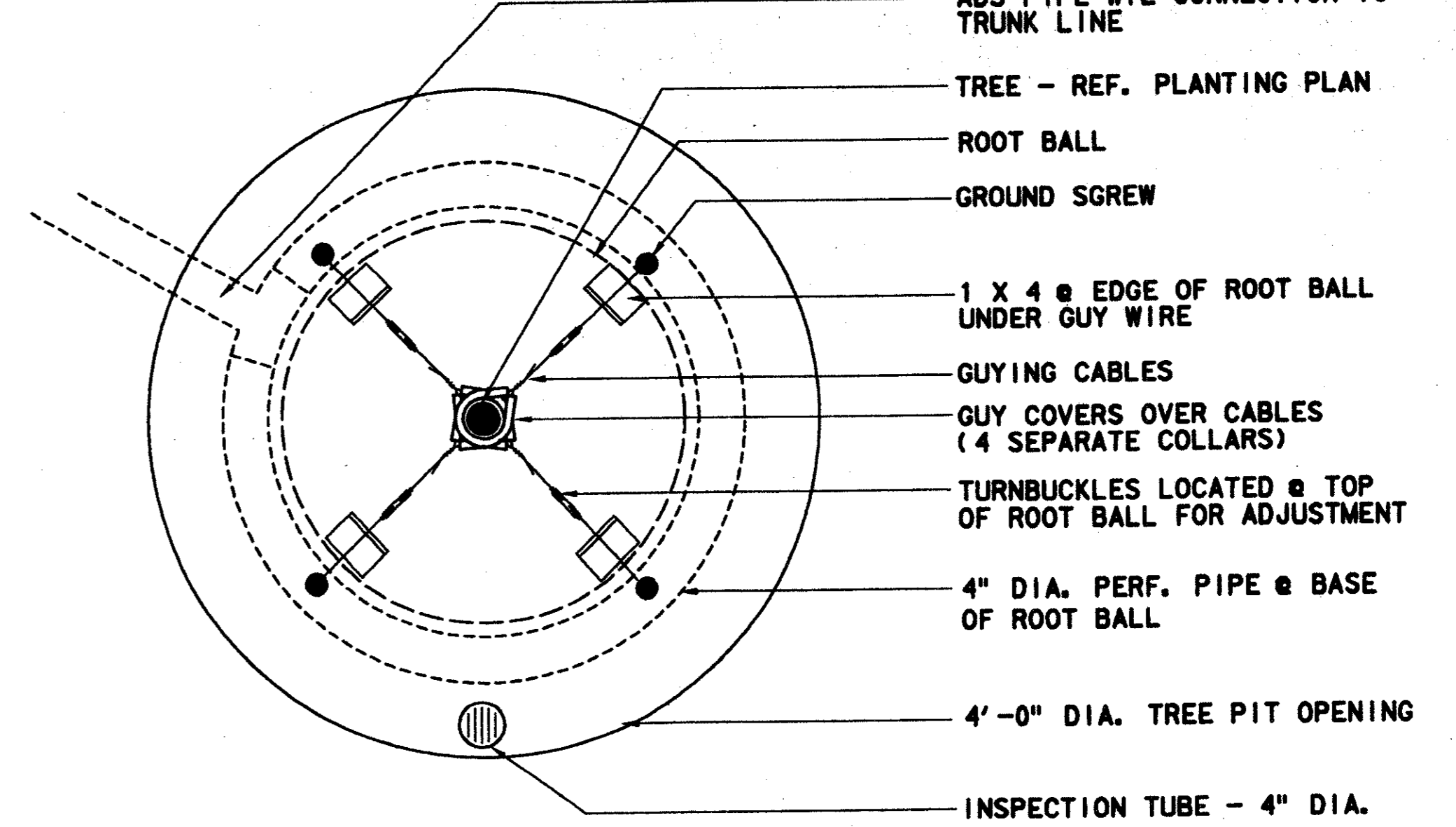
SCALE	AS NOTED
DRAWN	N. AVETON
DESIGNED	C. MILLER
CHECKED	C. MILLER
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97



TREE PLANTER @ TREE GRATE - PLAN

N.T.S.

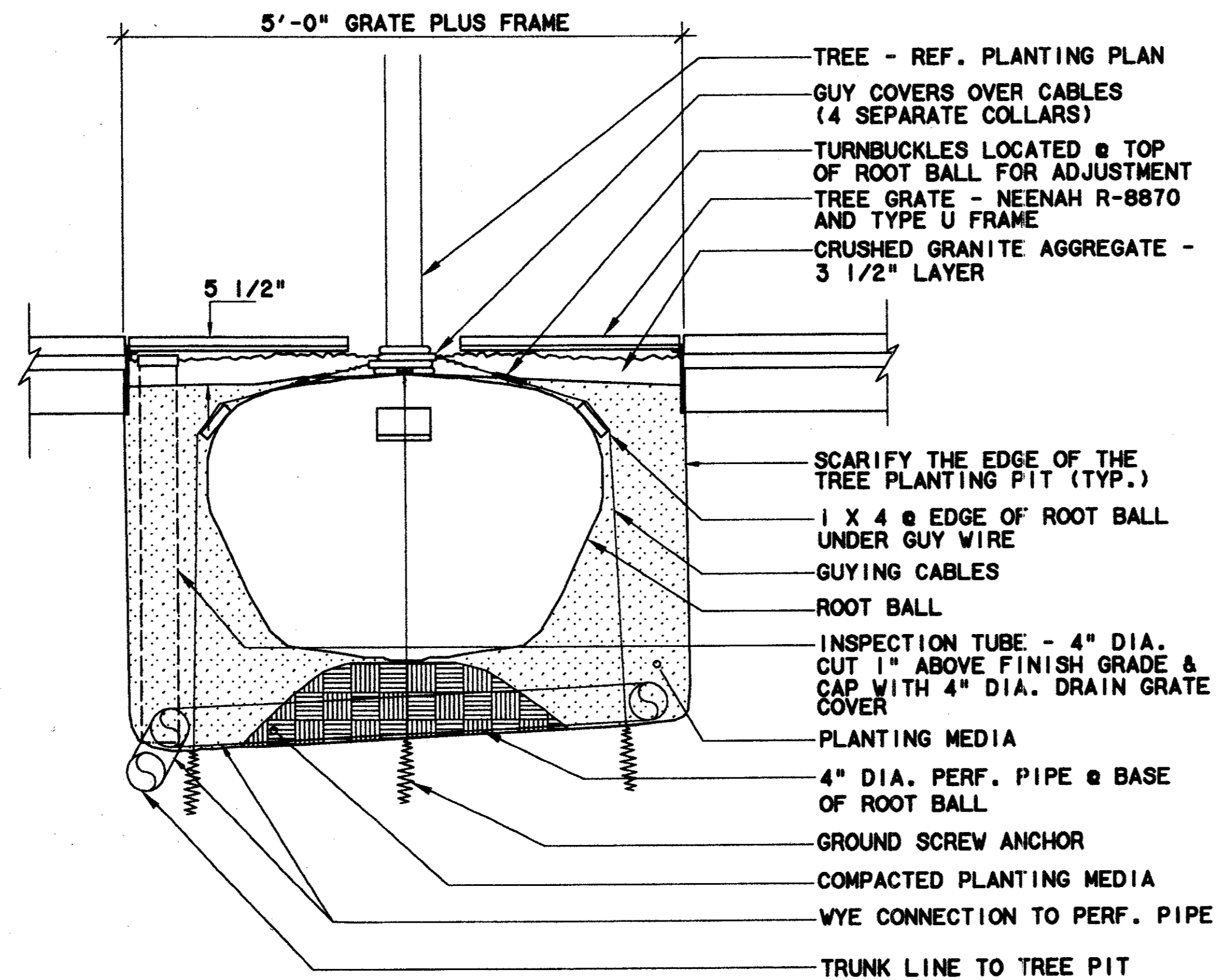
3



TREE PLANTER PIT - PLAN

N.T.S.

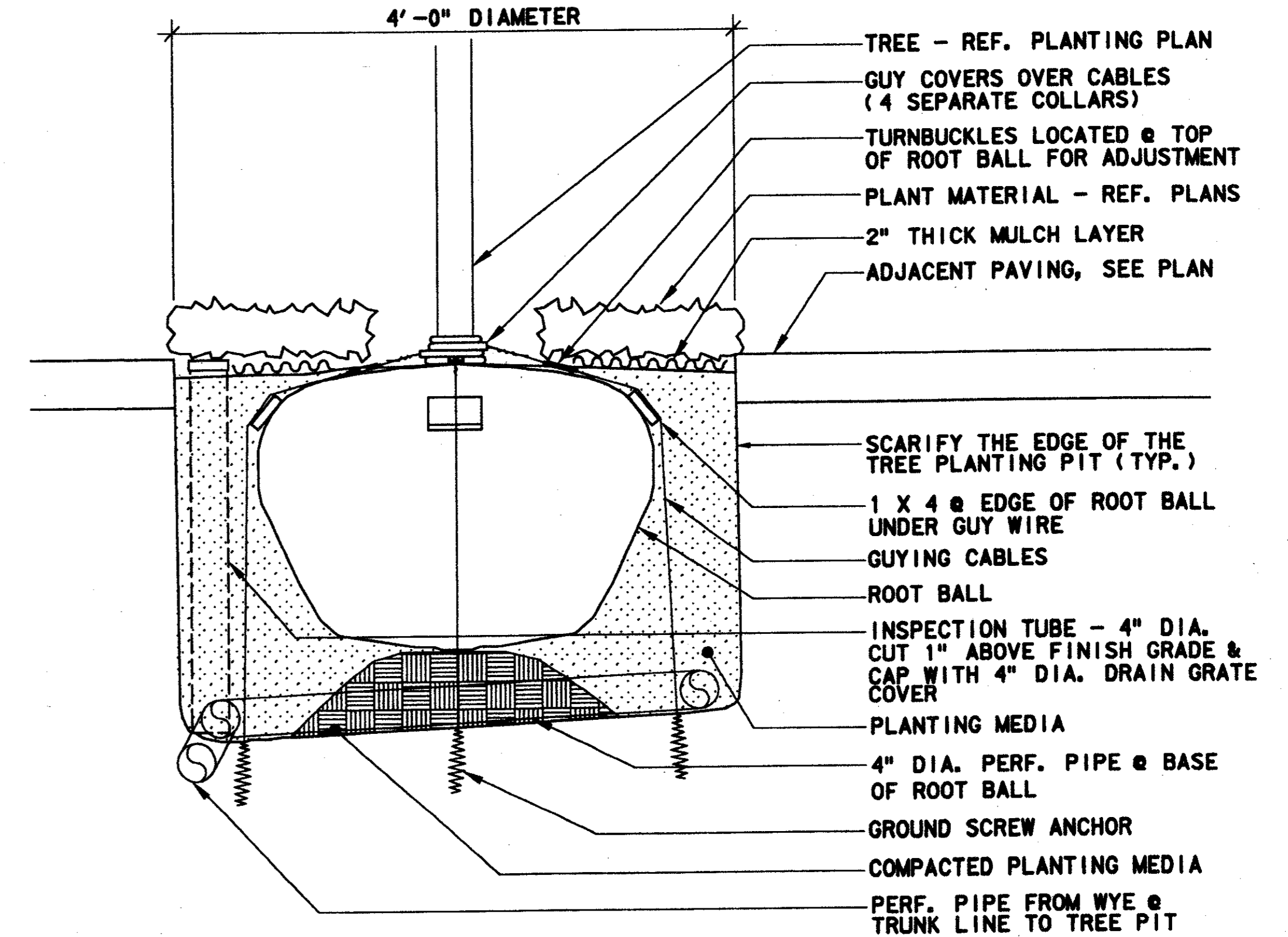
1



TREE GUYING @ TREE GRATE - SECTION

N.T.S.

4



TREE GUYING @ OPENING - SECTION

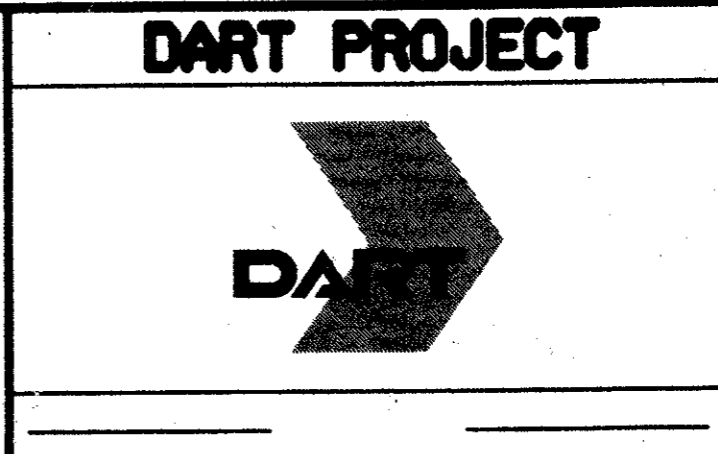
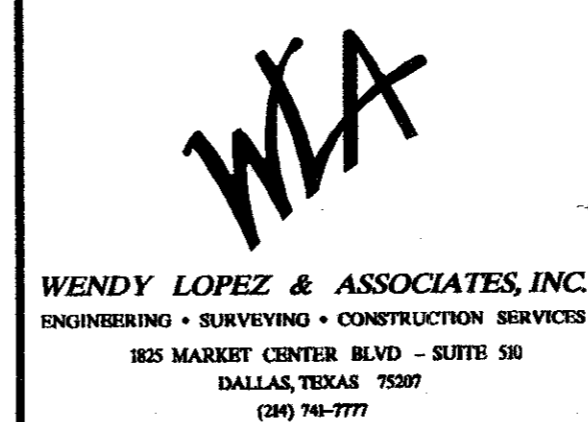
N.T.S.

2

CONFORMED

CONTRACT SHEET No. 50 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



SCALE	AS NOTED
DRAWN	N. AVETON
DESIGNED	C. MILLER
CHECKED	C. MILLER
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

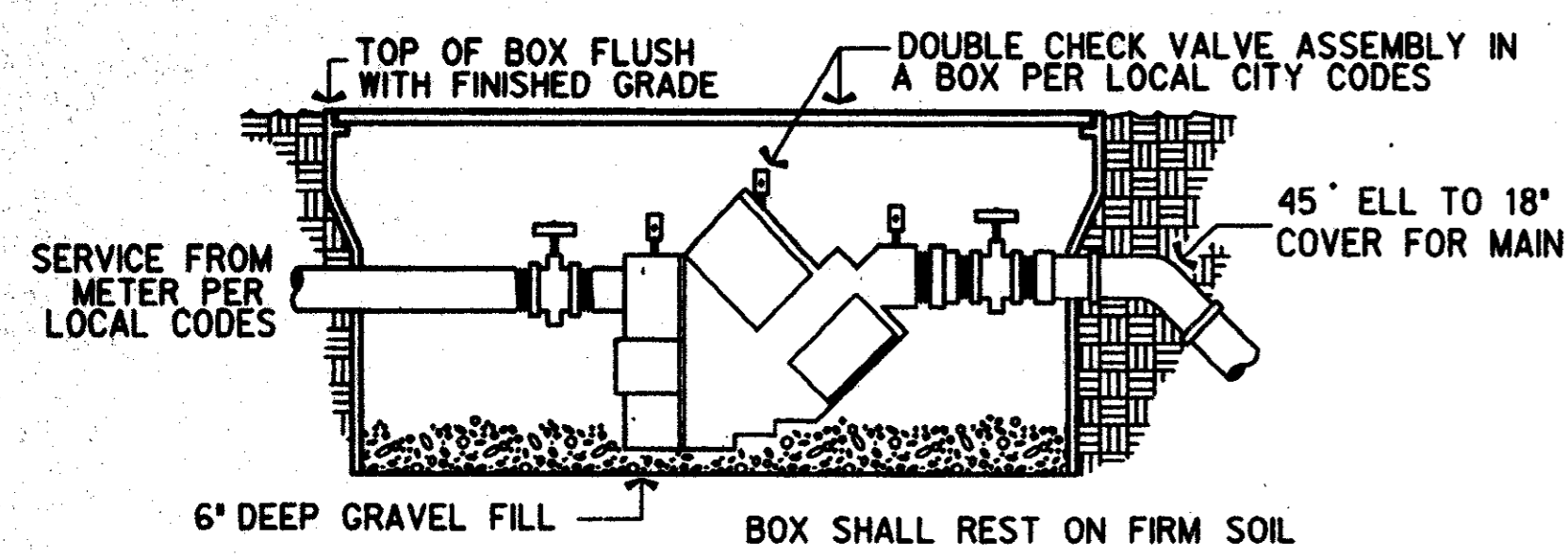
ADDISON TRANSIT CENTER PLANTING DETAILS

CONTRACT C-97000136 DWG No. LC2-0004 REV 0

\$\$\$PRF ROT\$\$\$
 \$\$\$SYTIME\$\$\$
 \$\$\$PRF\$\$\$
 \$\$\$USERNAME\$\$\$
 \$\$\$FILE1\$\$\$
 \$\$\$FILE2\$\$\$
 \$\$\$FILE3\$\$\$
 \$\$\$FILE4\$\$\$
 \$\$\$FILE5\$\$\$
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 \$\$\$FILE8\$\$\$
 \$\$\$FILE9\$\$\$
 \$\$\$FILE10\$\$\$

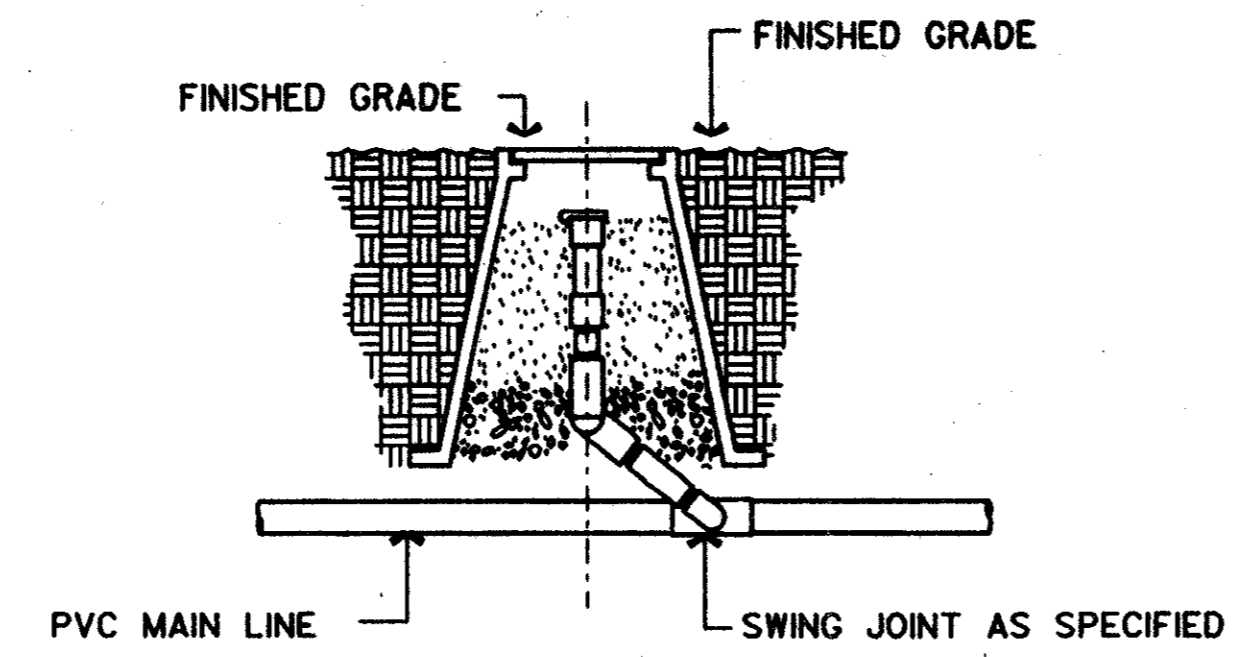
IRRIGATION LEGEND

- ROTARY SPRINKLER HEAD (NOZZLE DESIGNATION)
- POP UP SPRAY HEAD
- QUICK COUPLER VALVE
- MAIN PIPES
- ELECTRONIC REMOTE CONTROL VALVE
- CONTROLLER - INSTALLATION IN TRANSIT CENTER BUILDING TO BE COORDINATED WITH ON SITE ELECTRICAL CONTRACTOR.
- ZONE DESIGNATION VALVE SIZE APPROX. GALLONS PER MINUTE



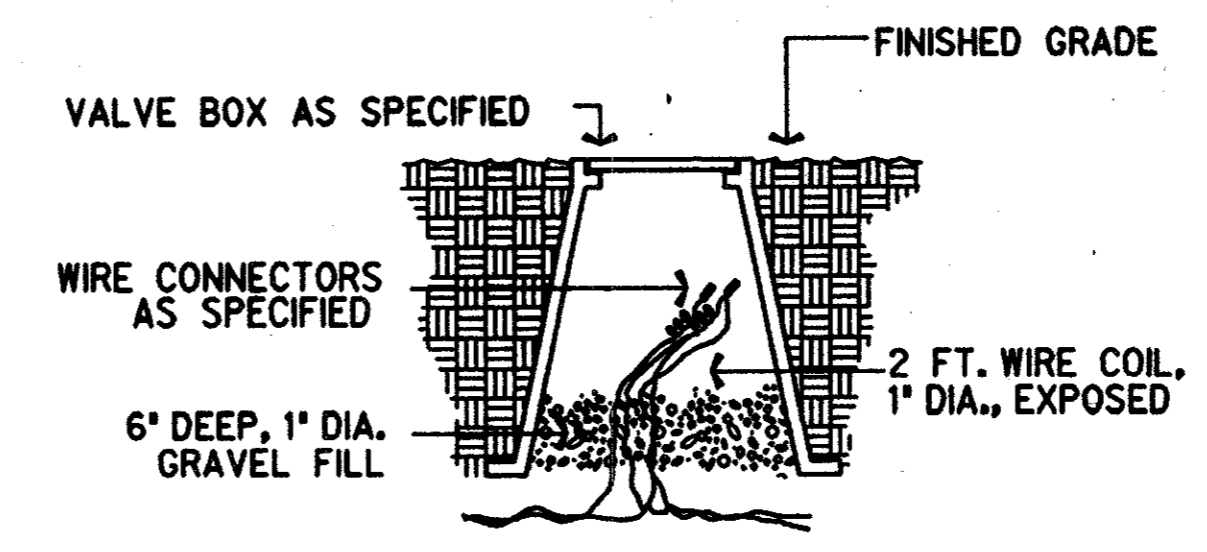
TYPICAL DOUBLE CHECK VALVE ASSEMBLY

NOT TO SCALE



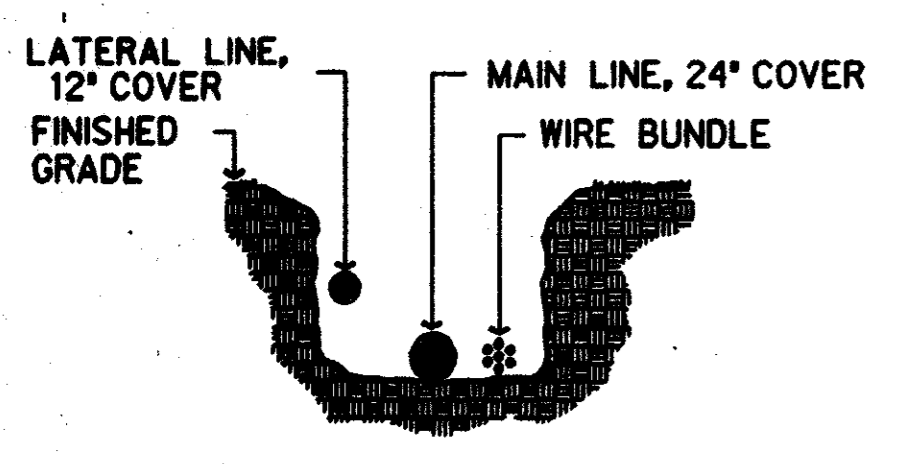
TYPICAL QUICK COUPLING VALVE

NOT TO SCALE



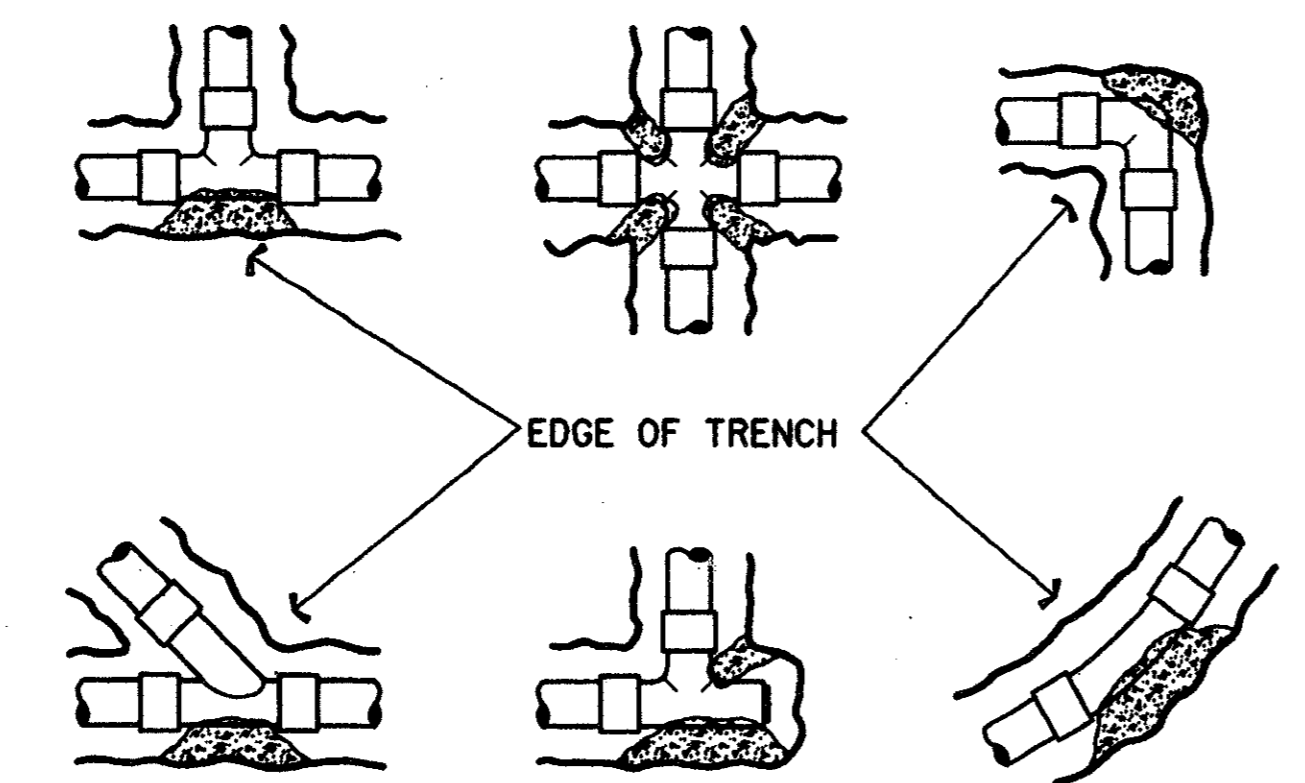
TYPICAL WIRE SPLICE DETAIL

NOT TO SCALE



TYPICAL TRENCH DETAIL

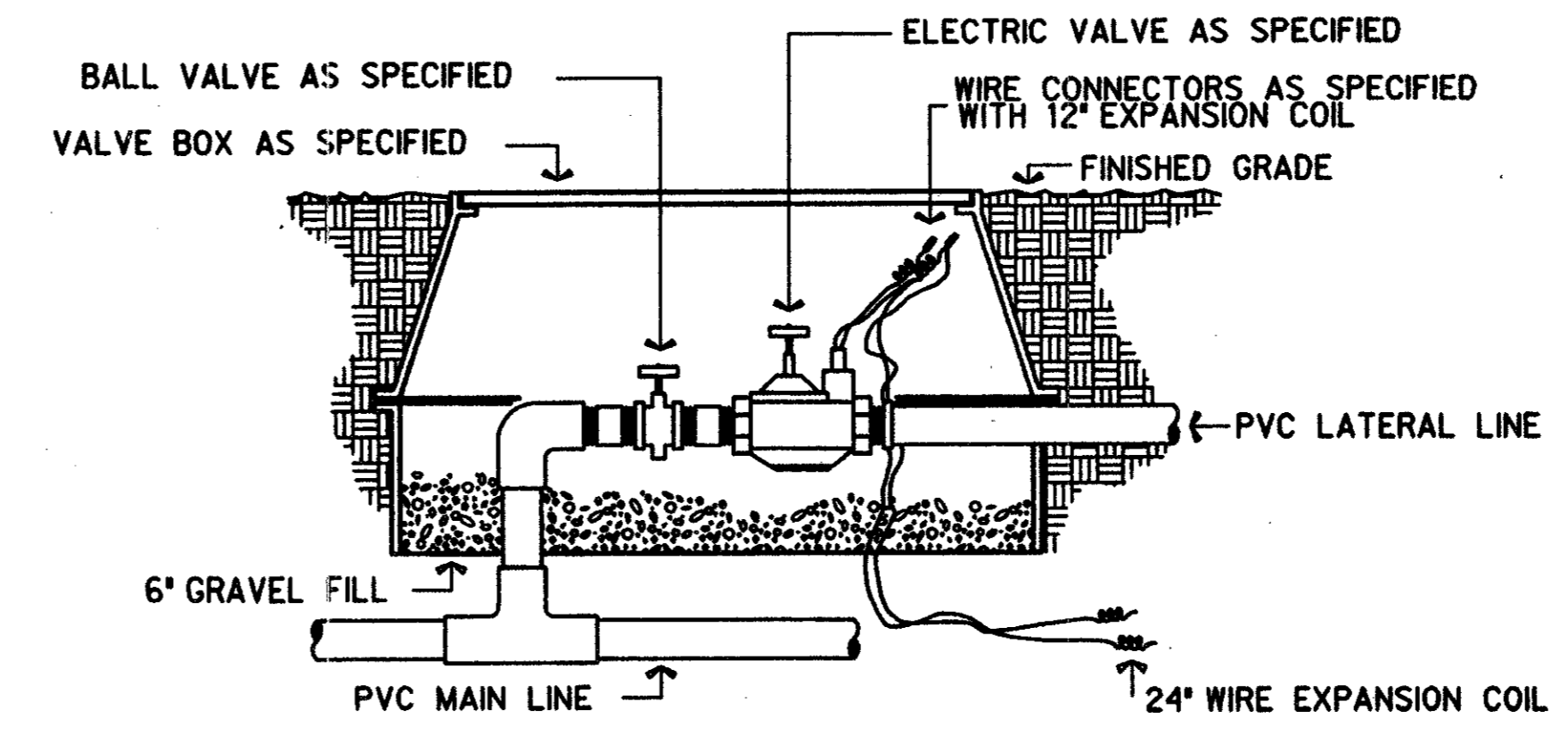
NOT TO SCALE



ALL CONCRETE SHALL BE AGAINST UNDISTURBED TRENCH SIDE, HAVE A MIN. 2000 PSI STRENGTH AFTER 28 DAYS AND HAVE A MIN. OF 1 CUBIC FOOT PER JOINT.

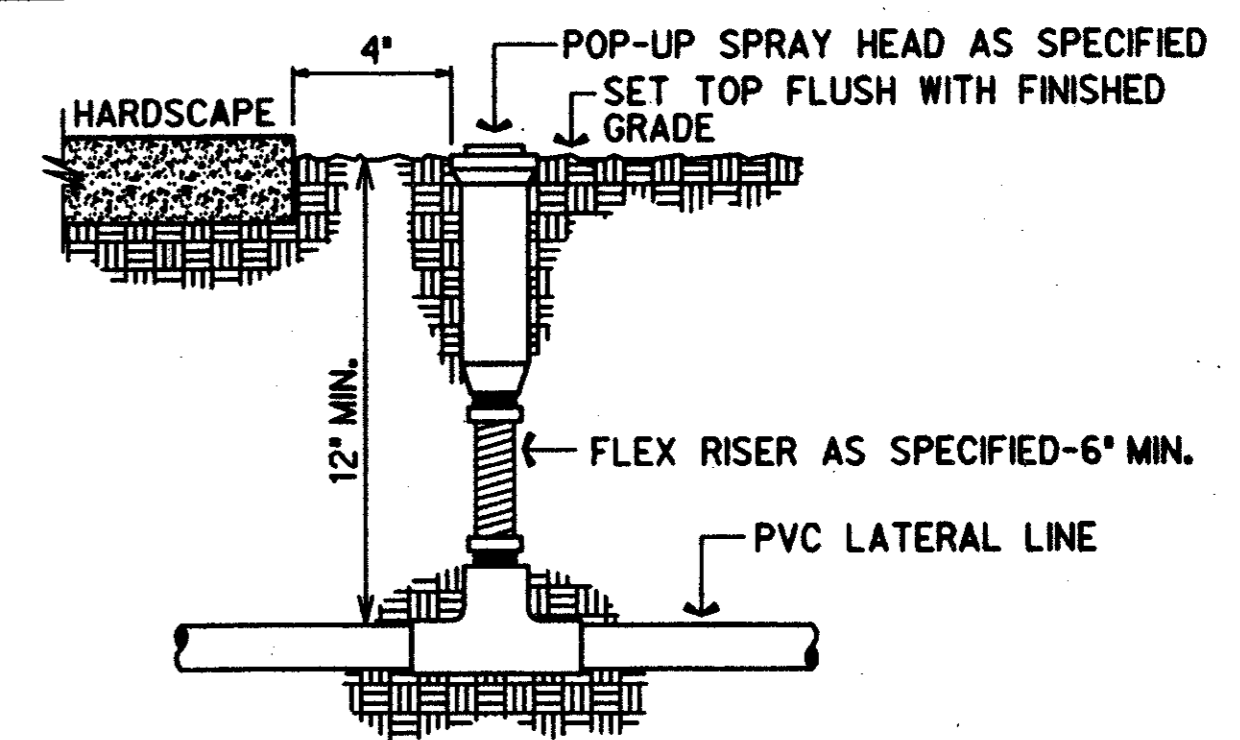
TYPICAL THRUST BLOCK DETAIL

NOT TO SCALE



TYPICAL ELECTRIC VALVE DETAIL

NOT TO SCALE



TYPICAL POP-UP HEAD

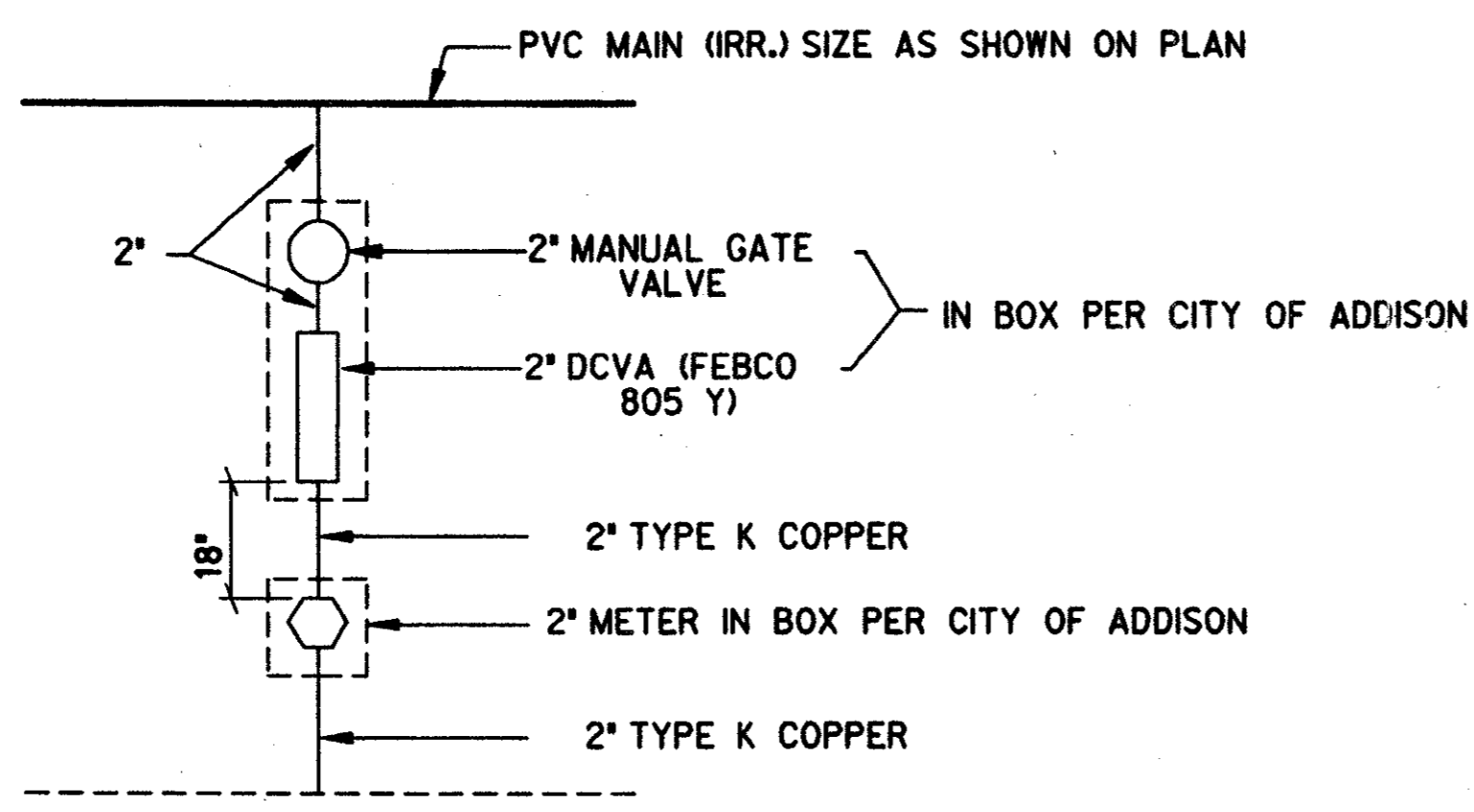
NOT TO SCALE

PVC PIPE SIZE	SOLVENT WELD SCH. 40 FITTING	BELL AND GASKET FITTING	SOCKETED PIPE
1/2"	2"	--	2"
3/4"	2"	--	2"
1"	2 1/2"	--	2 1/2"
1 1/4"	3"	--	3"
1 1/2"	3"	3"	3"
2"	4"	4"	4"
2 1/2"	6"	6"	4"
3"	6"	6"	6"
4"	6"	8"	6"

ELECTRICAL WIRING TO BE INSTALLED IN SEPARATE 2 1/2" PIPE

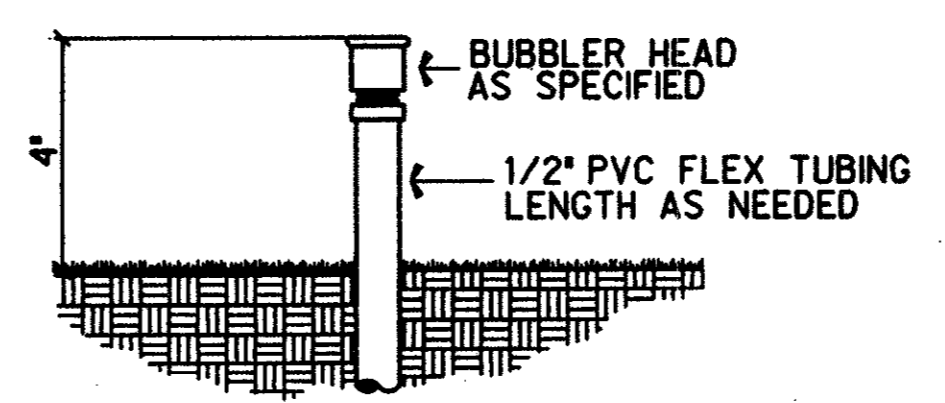
SLEEVE SCHEDULE

Professional Seal and Signature of Ronald A. Bristow, Licensed Irrigator, No. 27799. The seal is circular and contains the text 'STATE OF TEXAS' and 'LICENSED IRRIGATOR'.



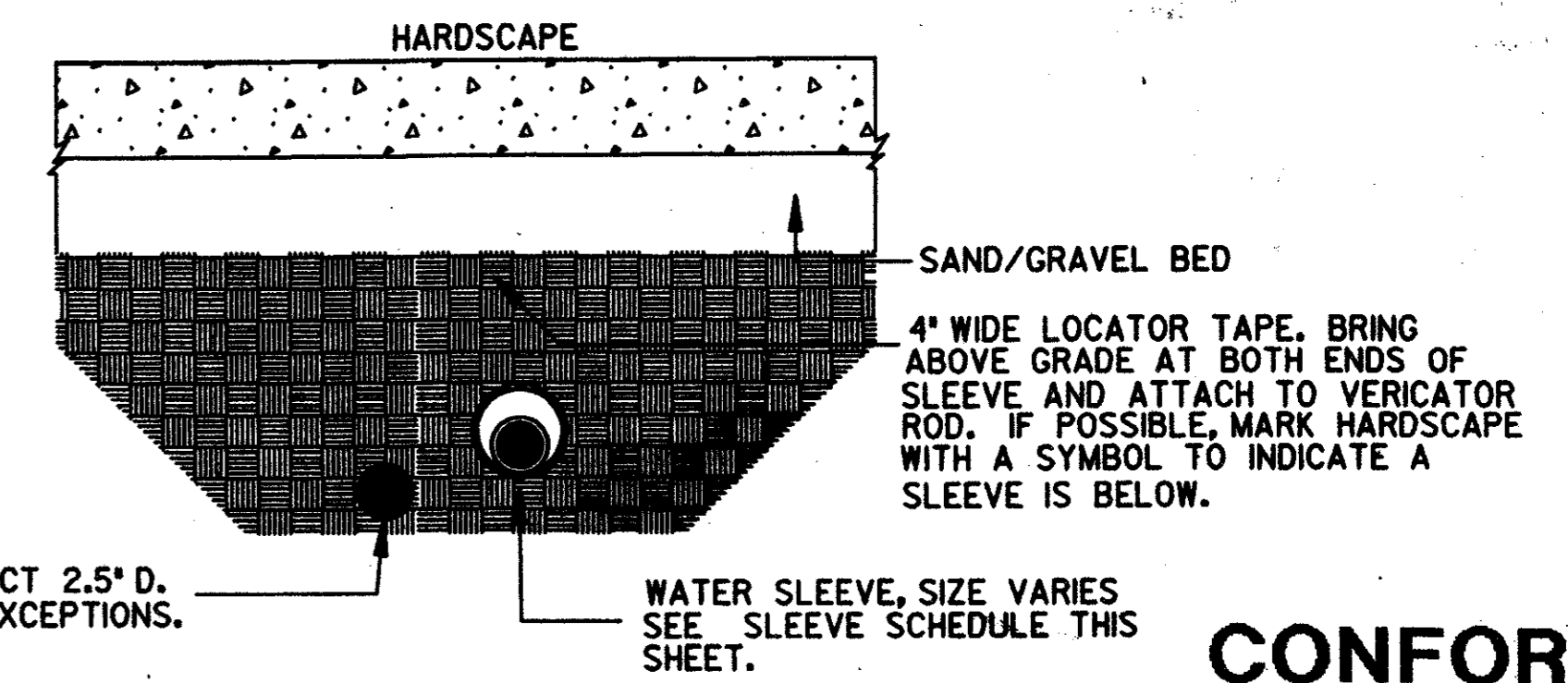
IRRIGATION SERVICE CONNECTION

(TYPICAL SCHEMATIC)



TYPICAL BUBBLER DETAIL

NOT TO SCALE



IRRIGATION SLEEVE

(TYPICAL)

CONFORMED

HALFF ASSOCIATES, INC.

IRRIGATION CONSULTANTS
CONTRACT SHEET No. 51 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



2211 North Lamar
Dallas, Texas, 75202
214-954-0016

Landscape Architecture
Site Planning
Urban Design



WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
305 MARKET CENTER BLVD - SUITE 510
DALLAS, TEXAS 75207
(214) 748-7777

DART PROJECT

SCALE	AS NOTED
DRAWN	L. HUGHES
DESIGNED	E. B. BRISTOW
CHECKED	E. B. BRISTOW
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

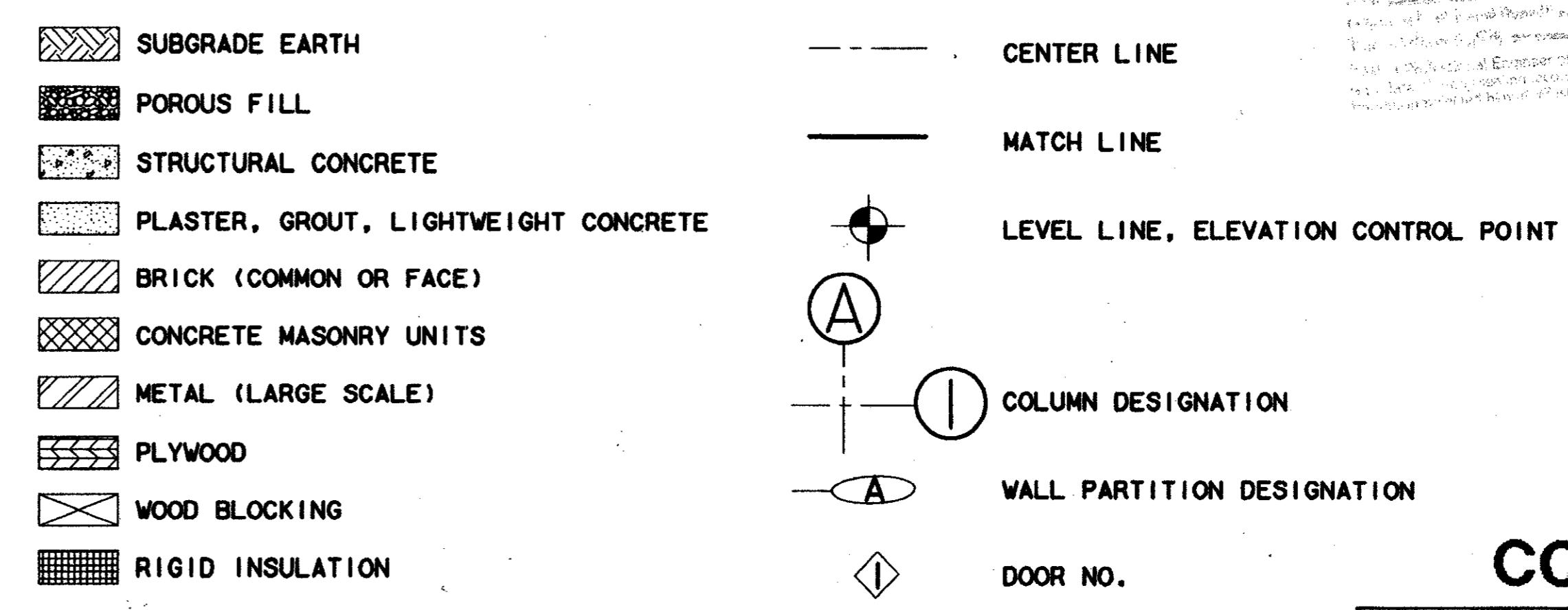
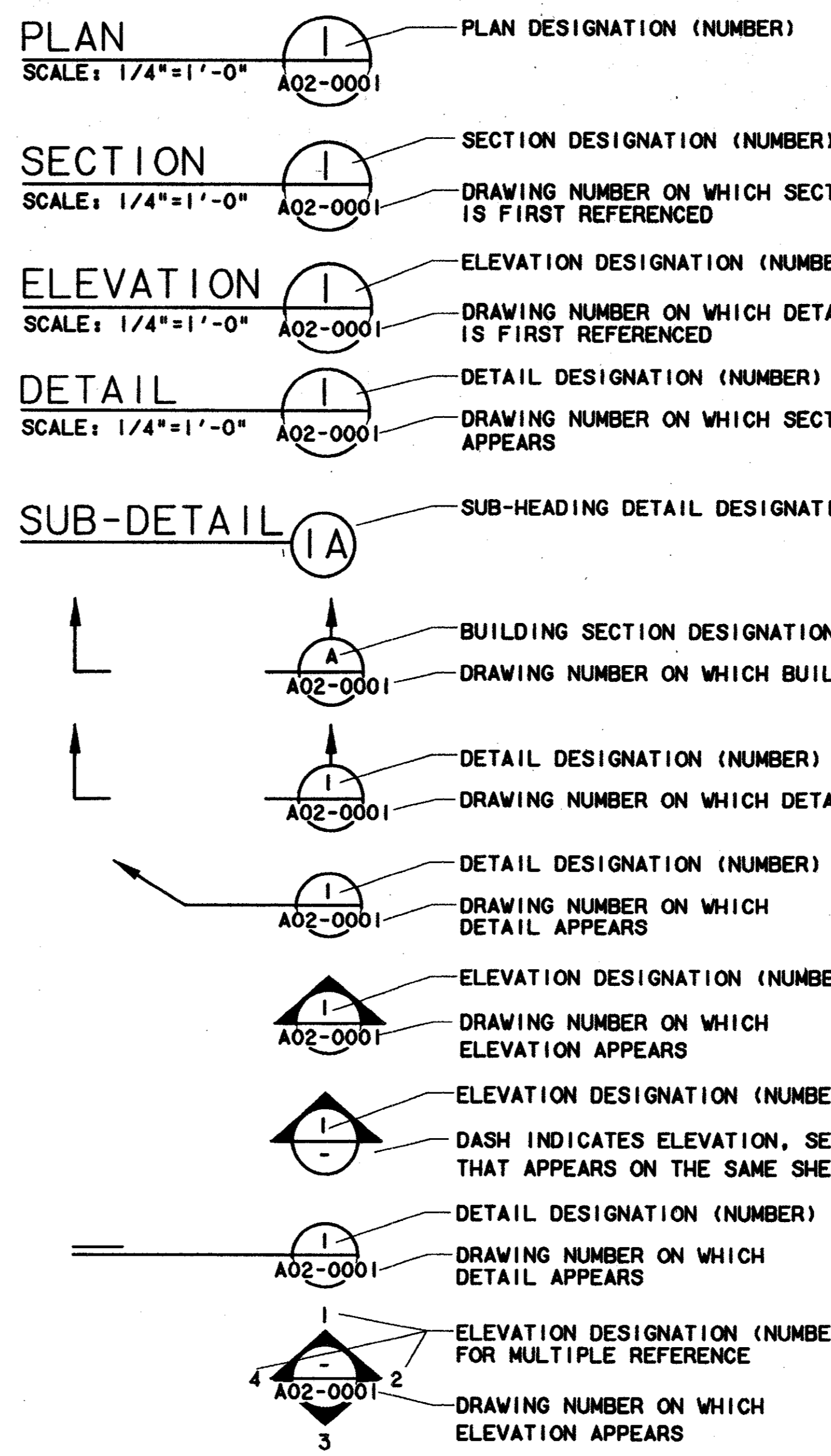
ADDISON TRANSIT CENTER IRRIGATION DETAILS

CONTRACT C-97000136 DWG No. LC2-0005 REV 0

ARCHITECTURAL ABBREVIATIONS

Table of architectural abbreviations including terms like AT CENTERLINE FEET, AC ALTERNATING CURRENT, EWC ELECTRIC WATER COOLER, etc.

Table of architectural abbreviations including terms like NAT NOT IN CONTRACT, NL NOT IN CONTRACT, NOM NOMINAL, etc.



NOTES: 1. TYPICAL DIMENSIONS, WHERE INDICATED ON DRAWINGS, APPLY ONLY TO THE DRAWING ON WHICH IT IS INDICATED. 2. BUILDING ELEVATION OF 100'-0" IS EQUAL TO ELEVATION OF 633.50' AS SHOWN ON CIVIL.

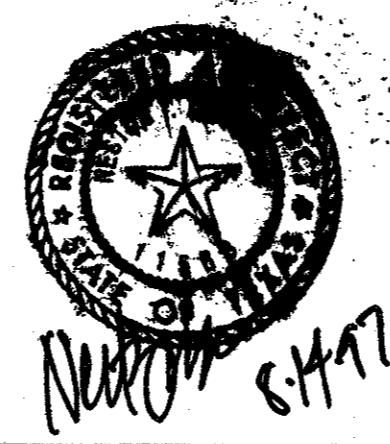
REGULATORY DOCUMENTS: 1. ADDISON BUILDING CODE 2. UNIFORM FIRE CODE 3. ADDISON PLUMBING CODE 4. ADDISON MECHANICAL CODE 5. ADDISON ELECTRICAL CODE

Handwritten notes and signatures, including 'TOM KANE PRESIDENT' and a circular stamp.

CONFORMED

CONTRACT SHEET No. 52 OF 95

Revision table with columns for REV, DATE, DESCRIPTION, BY, ENG, CHK, APP.



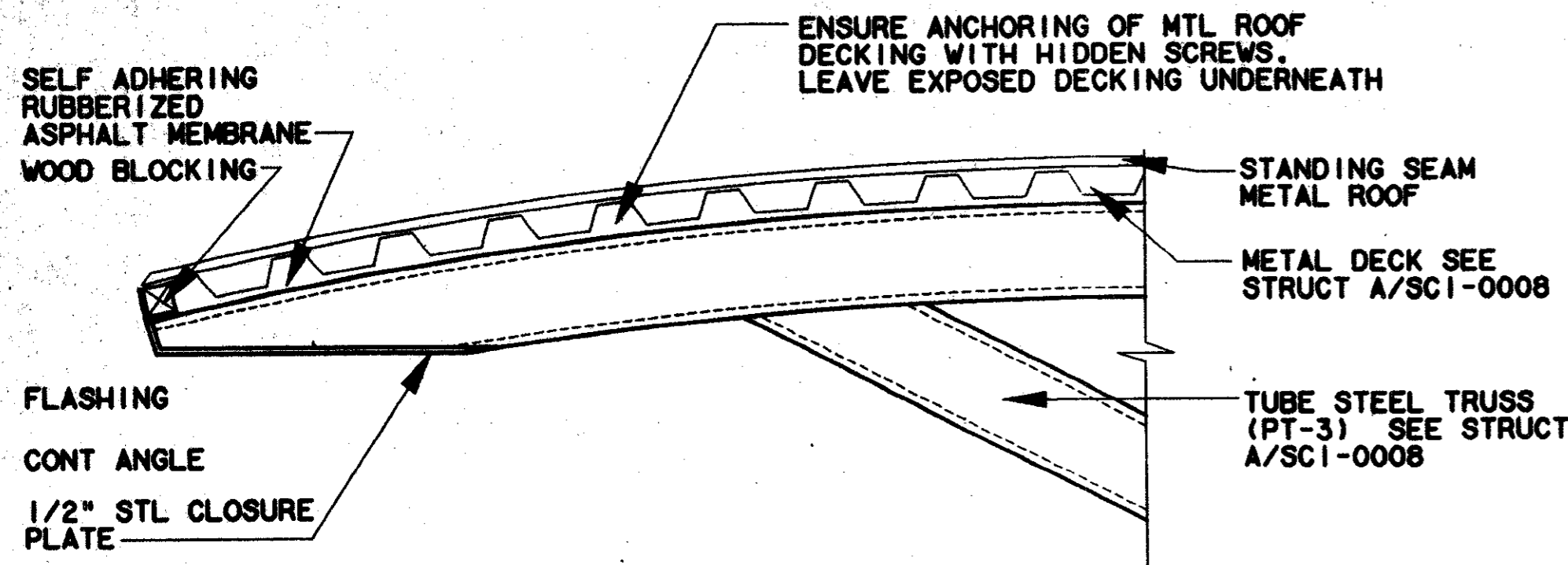
Lockwood, Andrews & Newnam, Inc. A SUBSIDIARY OF LEO A DALY

Wendy Lopez & Associates, Inc. ENGINEERING • SURVEYING • CONSTRUCTION SERVICES

DART PROJECT logo and information.

Table with columns for SCALE, DRAWN, DESIGNED, CHECKED, IN CHARGE, DATE.

ADDISON TRANSIT CENTER ARCHITECTURAL SYMBOLS & ABBREVIATION. Includes CAES logo and contract/dwg numbers.

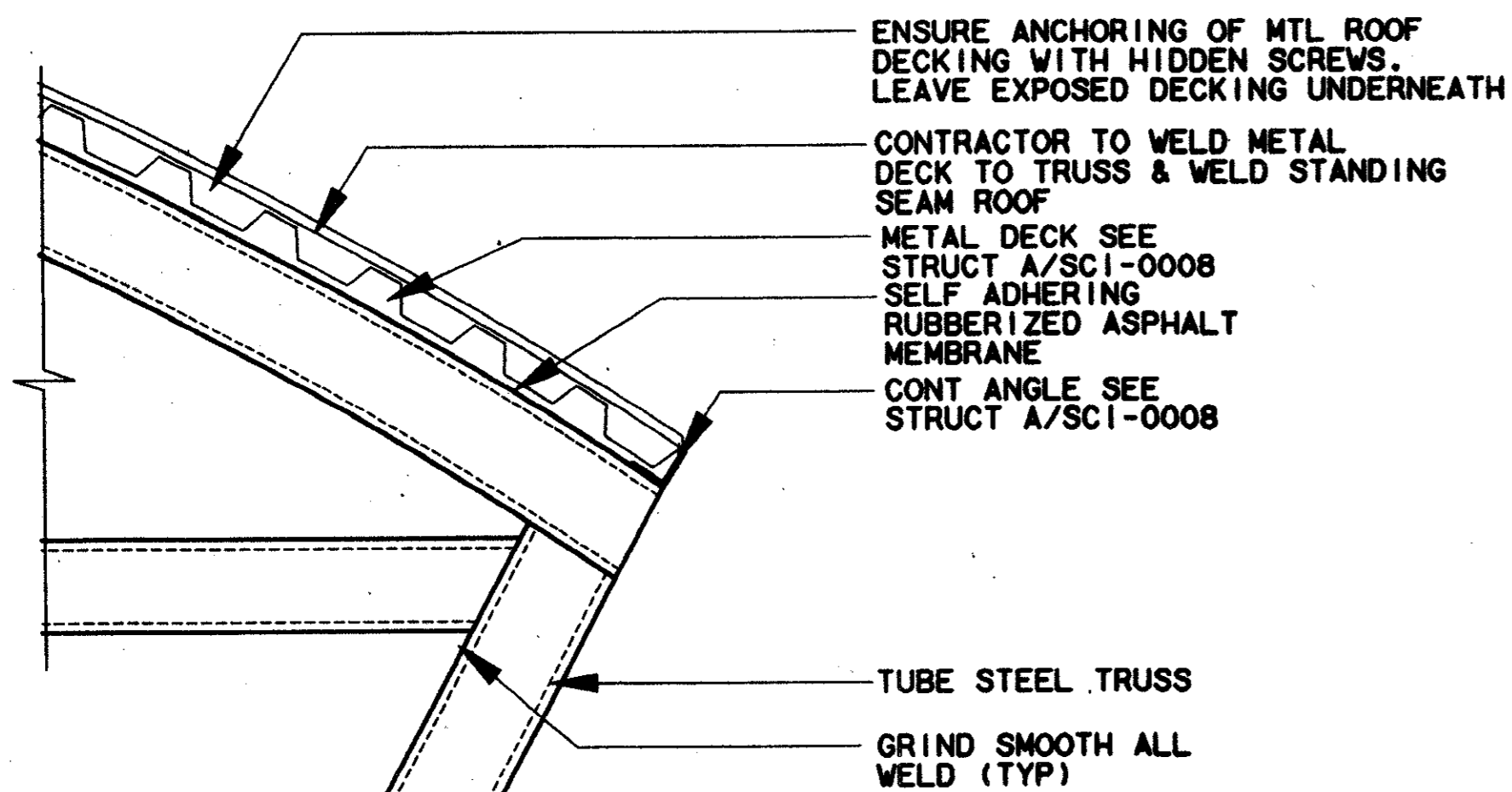


• SEE SECTION A SHEET SCI-0008

CANOPY DETAIL

SCALE: 1 1/2"=1'-0"

1
AC2-0001

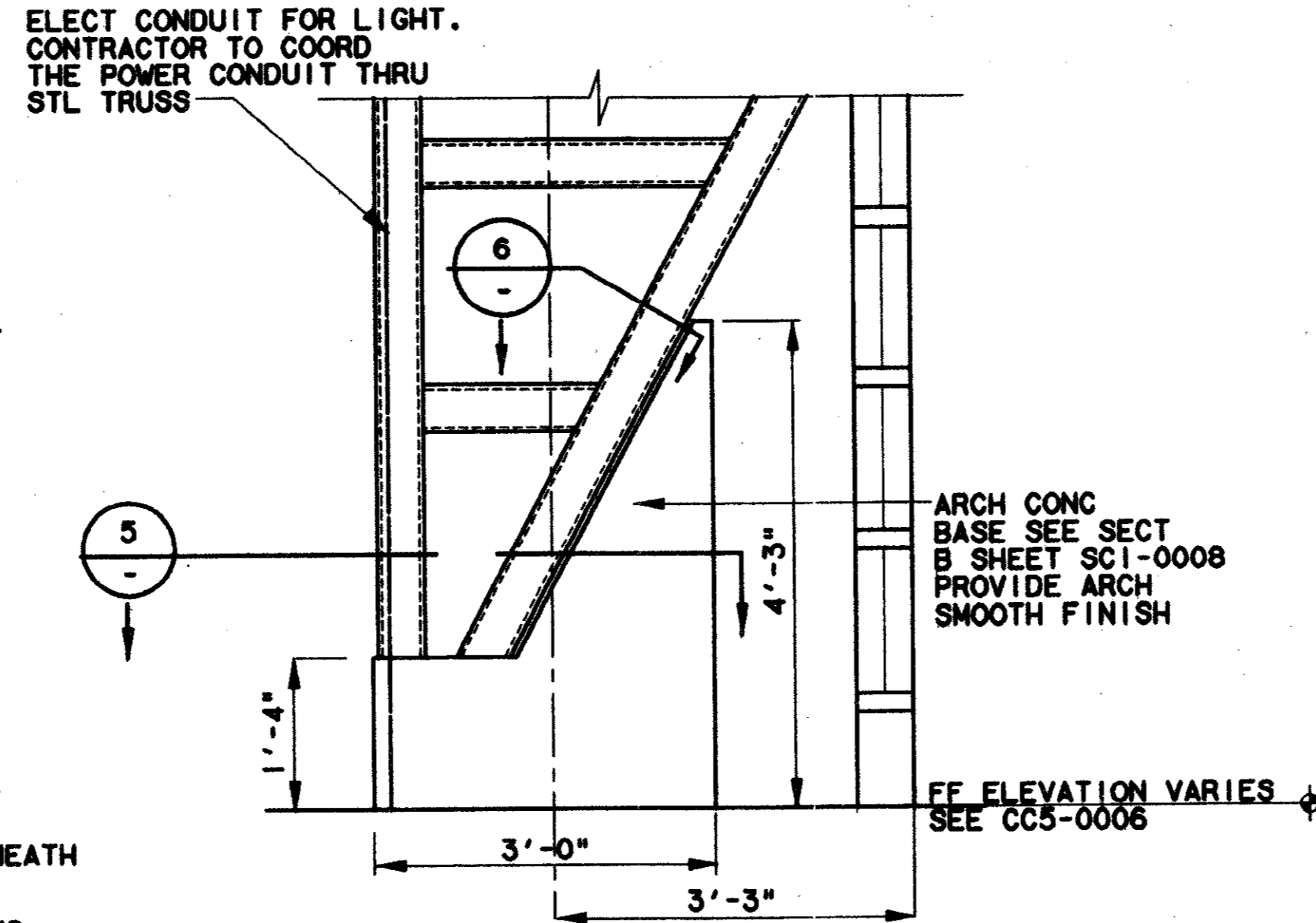


• SEE SECTION A SHEET SCI-0008

CANOPY DETAIL

SCALE: 1 1/2"=1'-0"

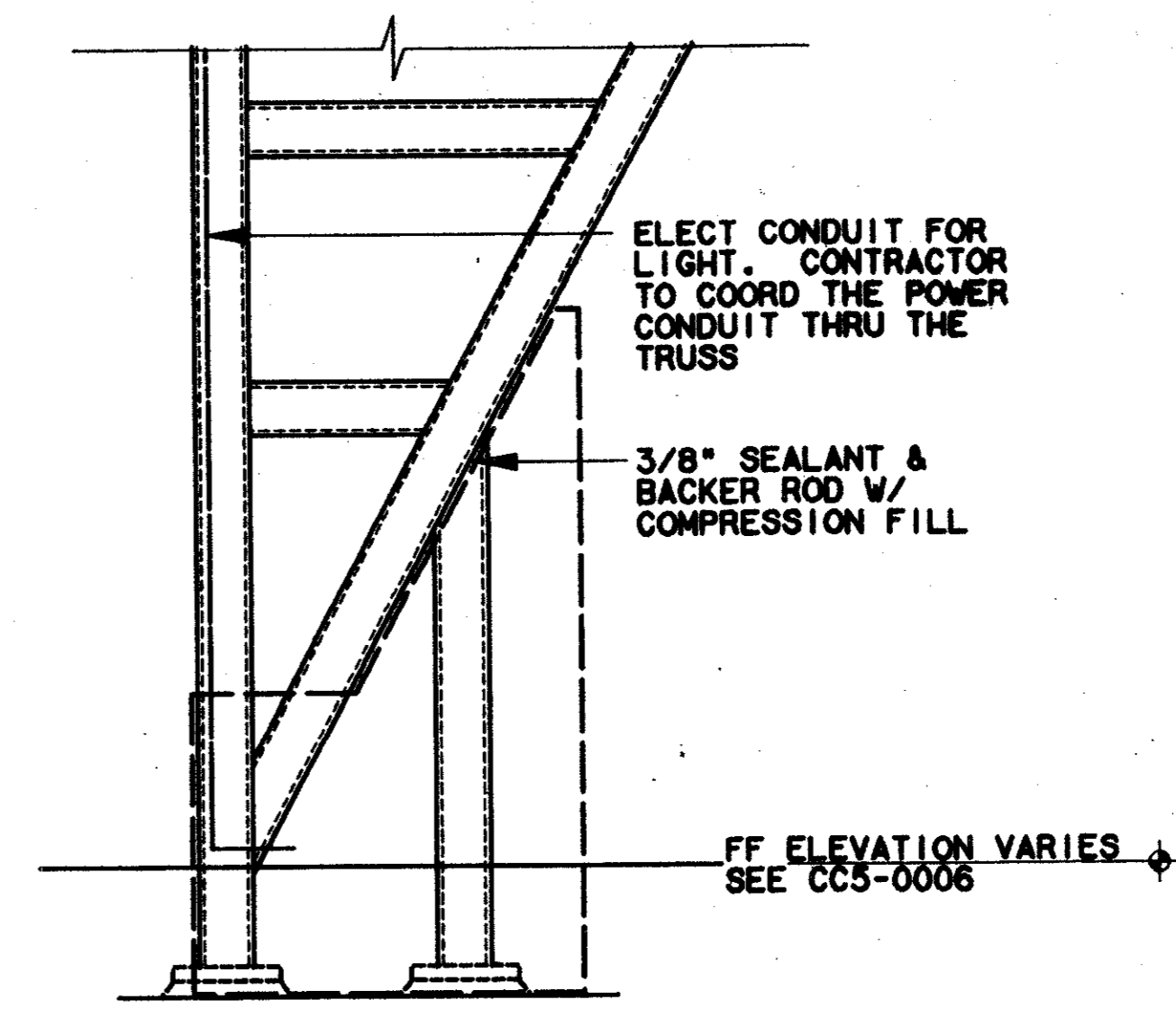
4
AC2-0001



CANOPY BASE DETAIL

SCALE: 3/4"=1'-0"

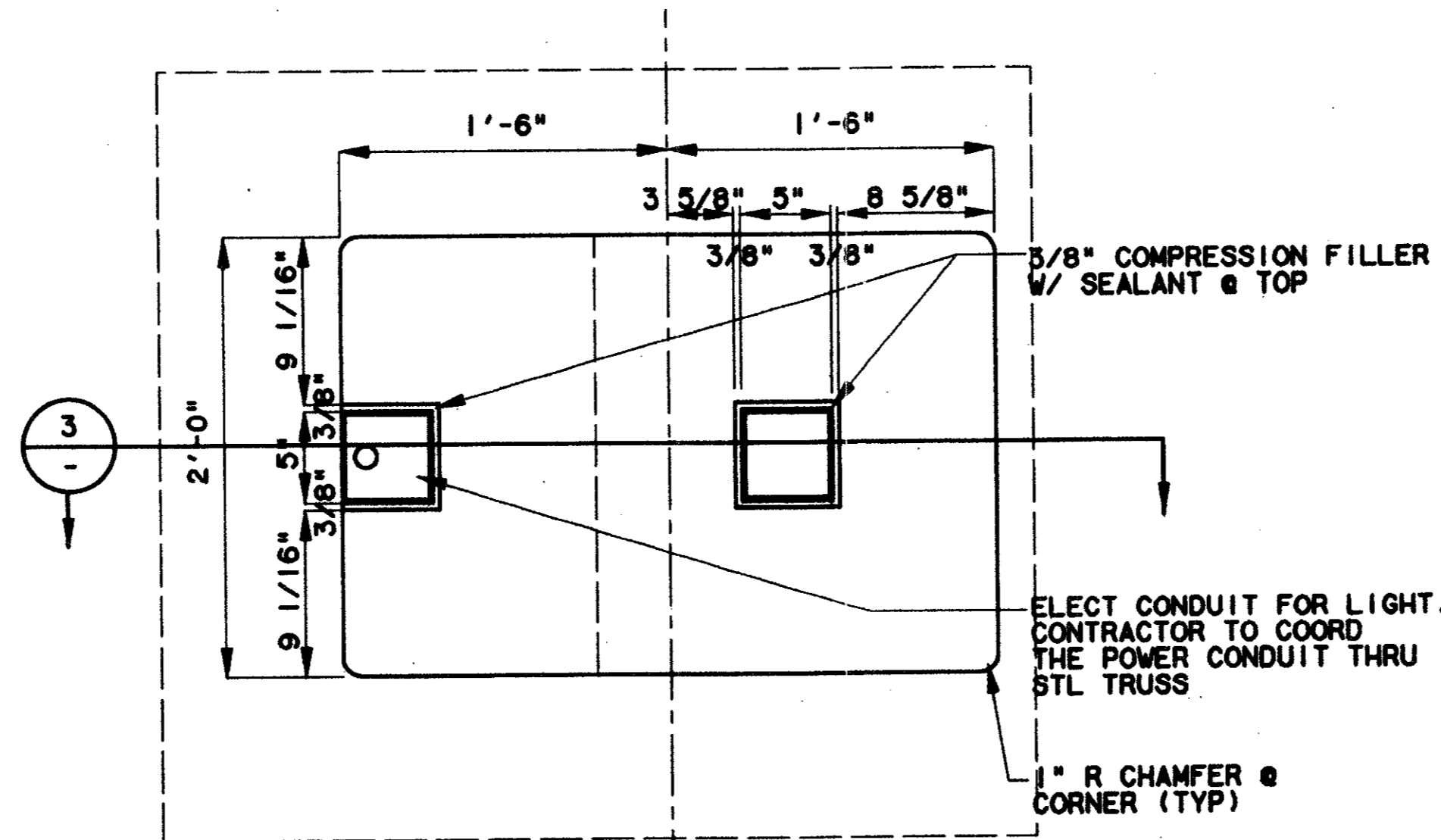
2
AC2-0001



CANOPY BASE SECTION

SCALE: 3/4"=1'-0"

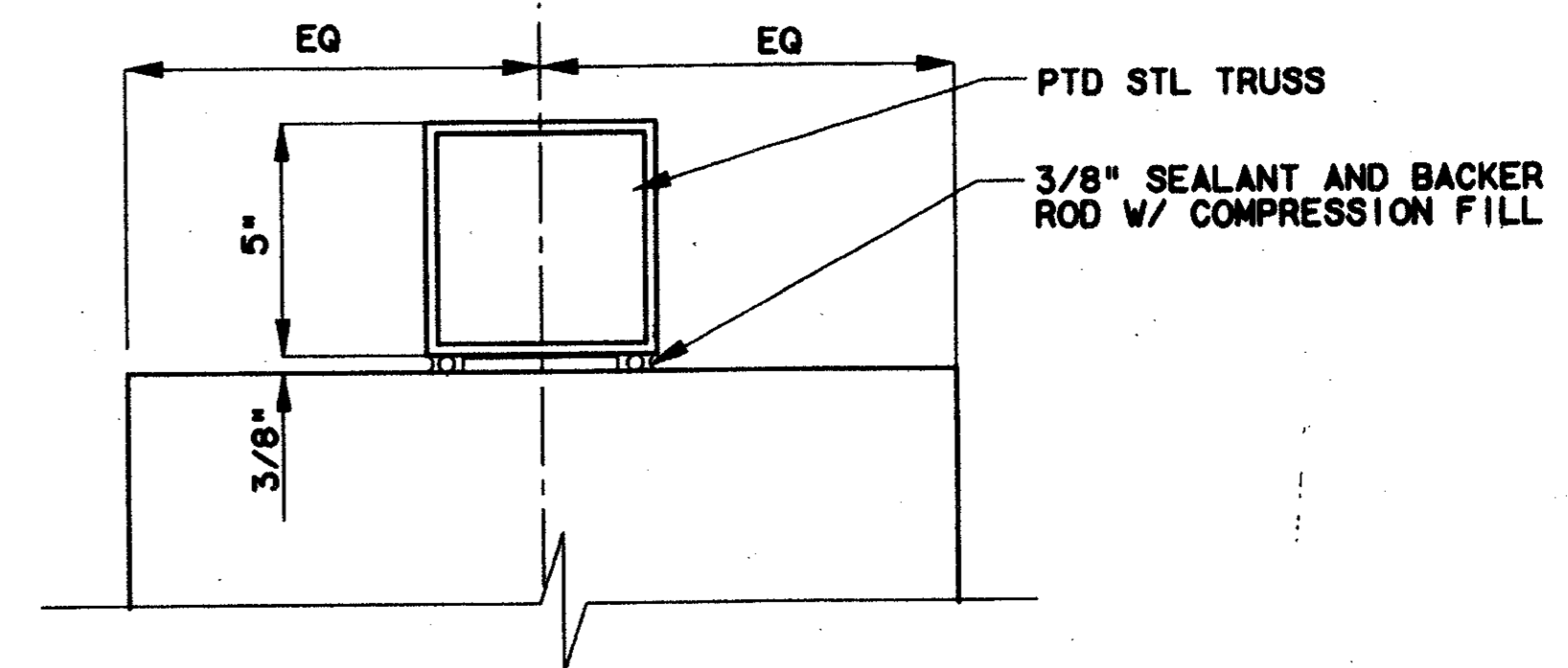
3
-



CANOPY BASE PLAN

SCALE: 1"=1'-0"

5
-



TRUSS DETAIL

SCALE: 3/4"=1'-0"

6
-

NOTES:

1. PROVIDE SELF ADHERING RUBBERIZED ASPHALT MEMBRANE (SELF SEALING) AT ALL ROOF AREAS OF 3" IN 12" OR LESS AND CONTINUOUS AT WALLS, PARAPETS, AND CANOPY EDGES. LAP MEMBRANE UP AND TERMINATE IN FLASHING REGLET. LAP EDGE OF MEMBRANE OVER FELT UNDERLAYMENT 4" MIN.

Record (As-built) Certification

I have checked this construction and certify that it conforms to the requirements of the contract in all respects.

Contract Number: 97000136

Company Name: [Signature]

Official Title: President

Date: 14 AUGUST 97

Signature: Tom Kader

Seal of Professional Engineer of Construction (including electrical and data) - The State of Texas (License No. 15893) - This seal is not to be used on any contract unless the contractor is a member of the State of Texas Professional Engineers Association.

CONFORMED

CONTRACT SHEET No. 55 OF 95

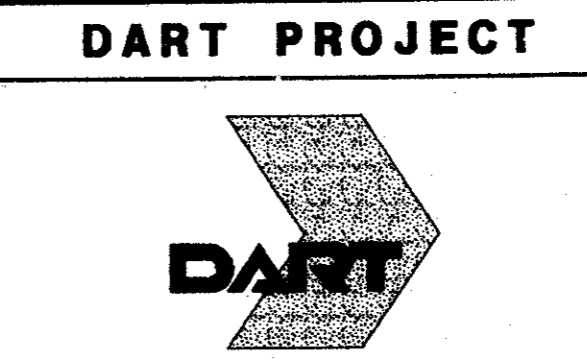
ADDISON
TRANSIT CENTER
CANOPY DETAILS

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



lan
Lockwood, Andrews & Newnam, Inc.
A SUBSIDIARY OF LEO A DALY

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
805 MARKET CENTER BLVD - SUITE 50
DALLAS, TEXAS 75207
(214) 746-7777



SCALE AS NOTED

DRAWN K. DEAN

DESIGNED N. INFANZON/K. DEAN

CHECKED N. INFANZON/ROM BOLTON

IN CHARGE V. STEVENS

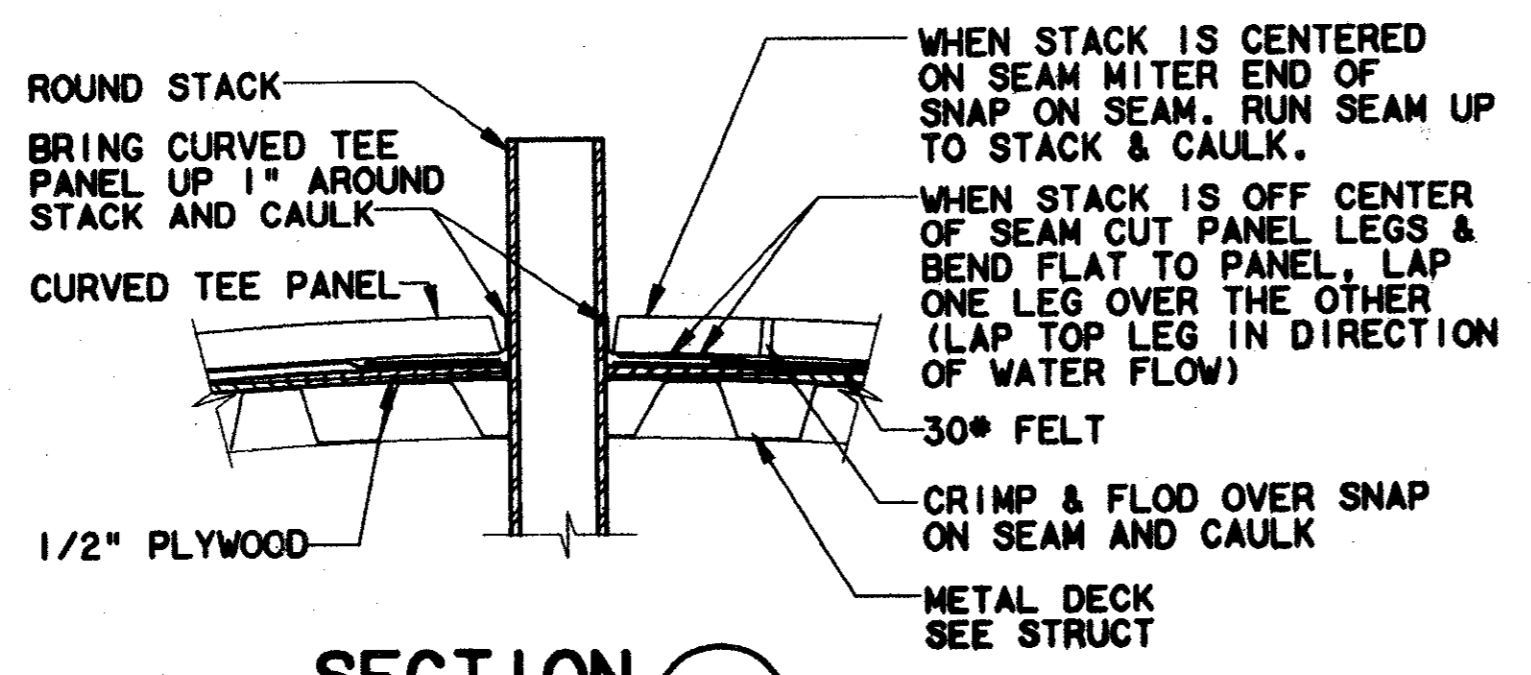
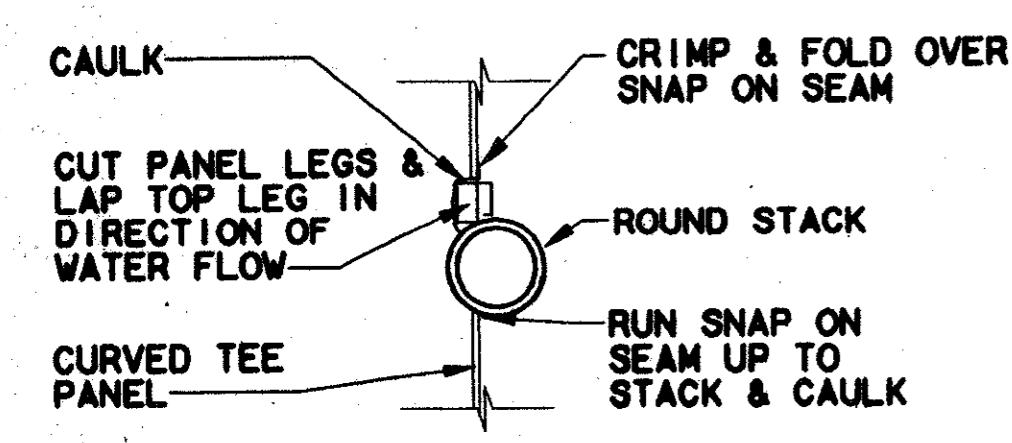
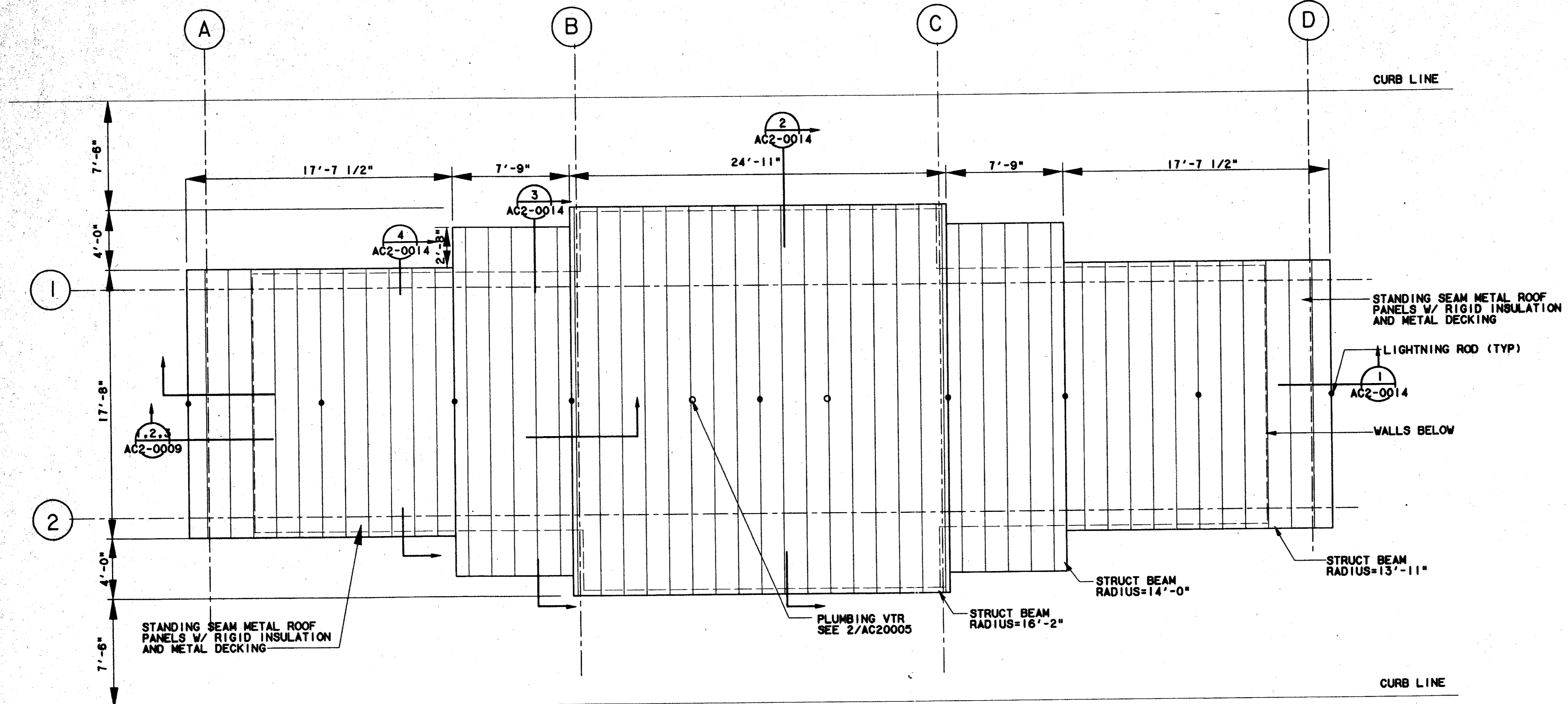
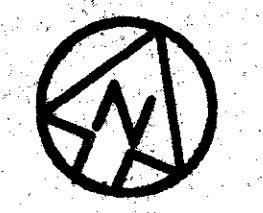
DATE 14 AUGUST 97



CONTRACT C-97000136 DWG No. AC2-0003 REV 0

\$\$\$FILE6\$\$\$
 \$\$\$FILE7\$\$\$
 \$\$\$FILE8\$\$\$
 \$\$\$FILE9\$\$\$
 \$\$\$FILE10\$\$\$
 \$\$\$FILE11\$\$\$
 \$\$\$FILE12\$\$\$
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 \$\$\$FILE49\$\$\$
 \$\$\$FILE50\$\$\$

DWG No. AC2-0005



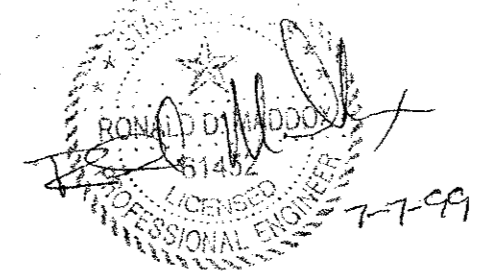
NOTE: WHEN STACK IS CENTERED ON SEAM RUN SNAP ON SEAMS UP TO STACK & CAULK ON BOTH THE HIGH & LOW SIDES.

PLAN A
ROOF PENETRATION DETAIL
 SCALE: 1 1/2"=1'-0"

SECTION B
ROOF PENETRATION DETAIL
 SCALE: 1 1/2"=1'-0"

ENCLOSURE ROOF PLAN
 SCALE: 1/4"=1'-0"

Record (As-built) Construction
 I have checked this submission, the work to be constructed is in accordance with the requirements of the contract and all necessary engineering standards.
 Contract Number: 20000136
 Company Name: WLA
 Title of Project: ENCLOSURE ROOF PLAN
 Name of Firm: Wendy Lopez & Associates, Inc.
 Title of Officer: PRESIDENT
 Seal of Professional Engineer of Construction Contractor, including signature and date, must be placed on this drawing for recording purposes. If the conditions of record herein, must be placed hereon.



CONFORMED

CONTRACT SHEET No. 57 OF 95

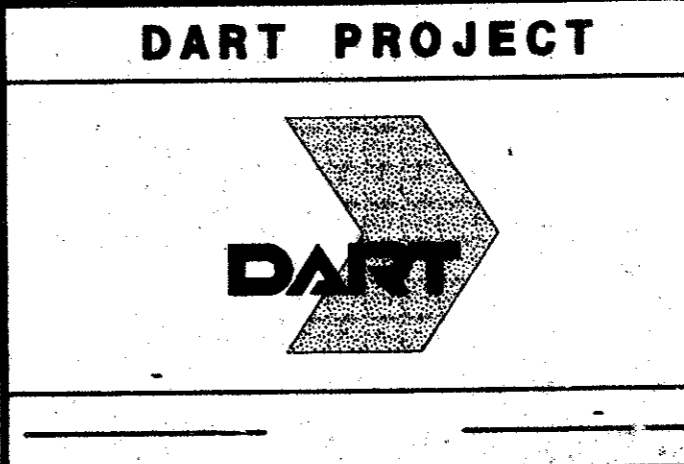
ADDISON
 TRANSIT CENTER
 ENCLOSURE
 ROOF PLAN

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



LAN
 Lockwood, Andrews
 & Newnam, Inc.
 A SUBSIDIARY OF LEO A DALY

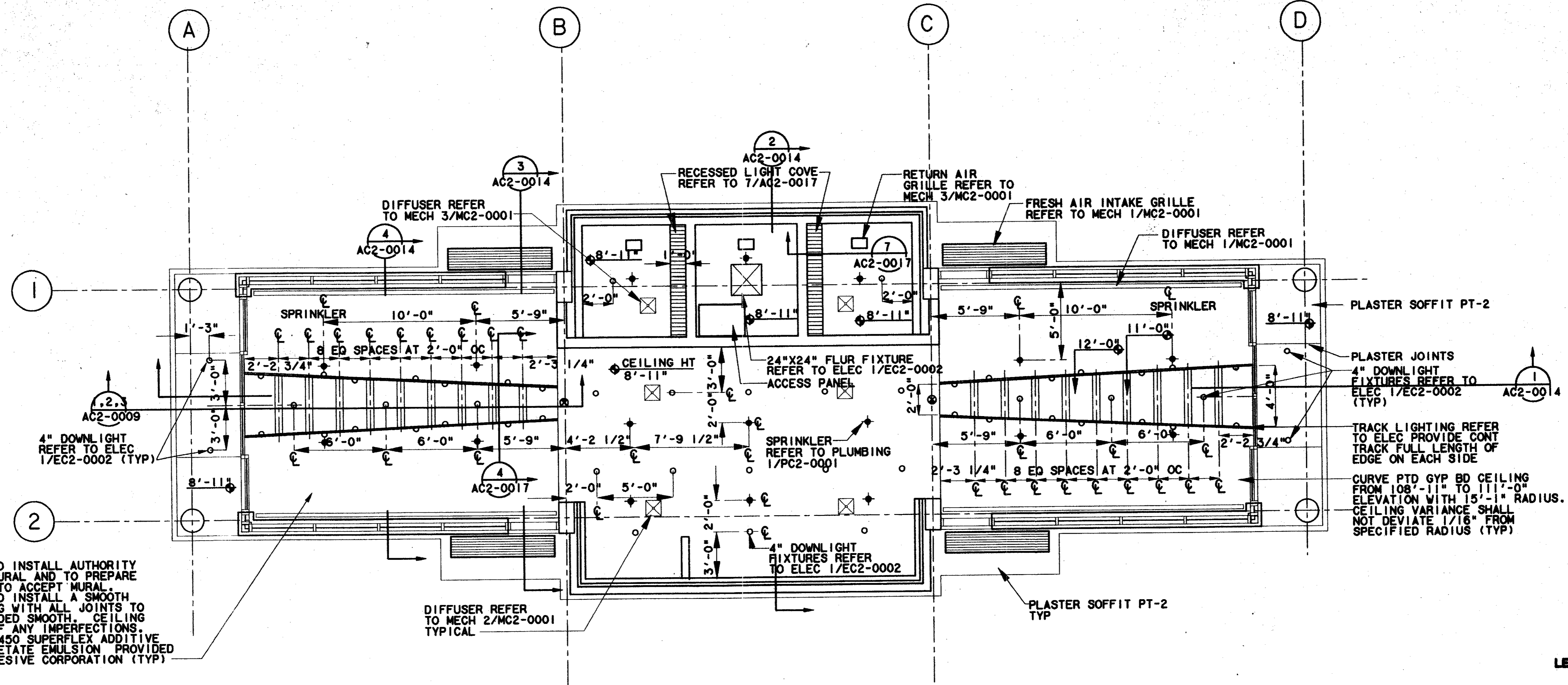
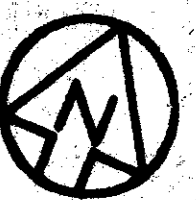
WLA
WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 102 MARKET CENTER BLVD - SUITE 200
 DALLAS, TEXAS 75207
 (214) 746-7777



SCALE	1/4"=1'-0"
DRAWN	K. DEAN
DESIGNED	N. INFANZON/K. DEAN
CHECKED	N. INFANZON/RON BOLTON
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97



CONTRACT C-07000136 DWG No. AC2-0005 REV 0

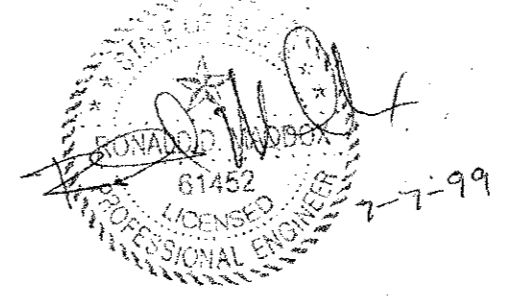


CONTRACTOR TO INSTALL AUTHORITY FURNISHED MURAL AND TO PREPARE GYP CEILING TO ACCEPT MURAL. CONTRACTOR TO INSTALL A SMOOTH CURVE CEILING WITH ALL JOINTS TO BE TAPED SANDED SMOOTH. CEILING TO BE FREE OF ANY IMPERFECTIONS. USE EVANS 00450 SUPERFLEX ADDITIVE POLYVINYL ACETATE EMULSION PROVIDED BY EVANS ADHESIVE CORPORATION (TYP)

REFLECTED CEILING PLAN

SCALE: 1/4" = 1'-0"

Record (As-built) Construction
Having checked this submission, we certify that it complies with the requirements of the contract for all aspects shown on this drawing.
Contract Number: 97060036
Contractor's Name: WLA
Title of Plan Signature: [Signature]
Date: [Date]
Chief of Firm (Typed): TOM KADER
Title of Chief (Typed): PRESIDENT
Seal of Professional Engineer of Construction Contractor, including signature and date, to one's best knowledge and belief, showing no accuracy or approval is hereby given, made as shown below.

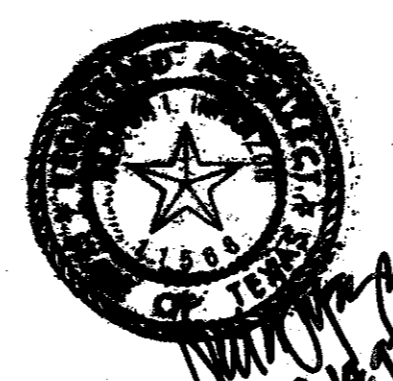


- LEGEND:**
- DIFFUSER
 - RETURN AIR
 - FRESH AIR INTAKE
 - DIFFUSER
 - SPRINKLER HEAD
 - LIGHT COVE
 - DOWNLIGHT
 - 2'X2' FLUORESCENT FIXTURE
 - TRACK LIGHTING
 - EXIT LIGHTING

CONFORMED

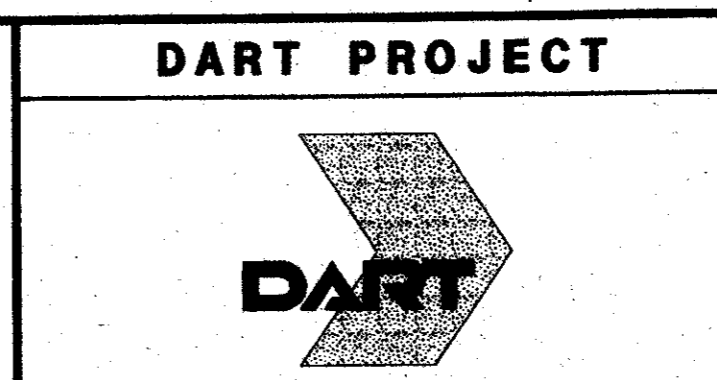
CONTRACT SHEET No. 58 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



WLA
Lockwood, Andrews & Newnam, Inc.
A SUBSIDIARY OF LEO A DALY

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING - SURVEYING - CONSTRUCTION SERVICES
1825 MARKET CENTER BLVD - SUITE 30
DALLAS, TEXAS 75207
(214) 746-7777

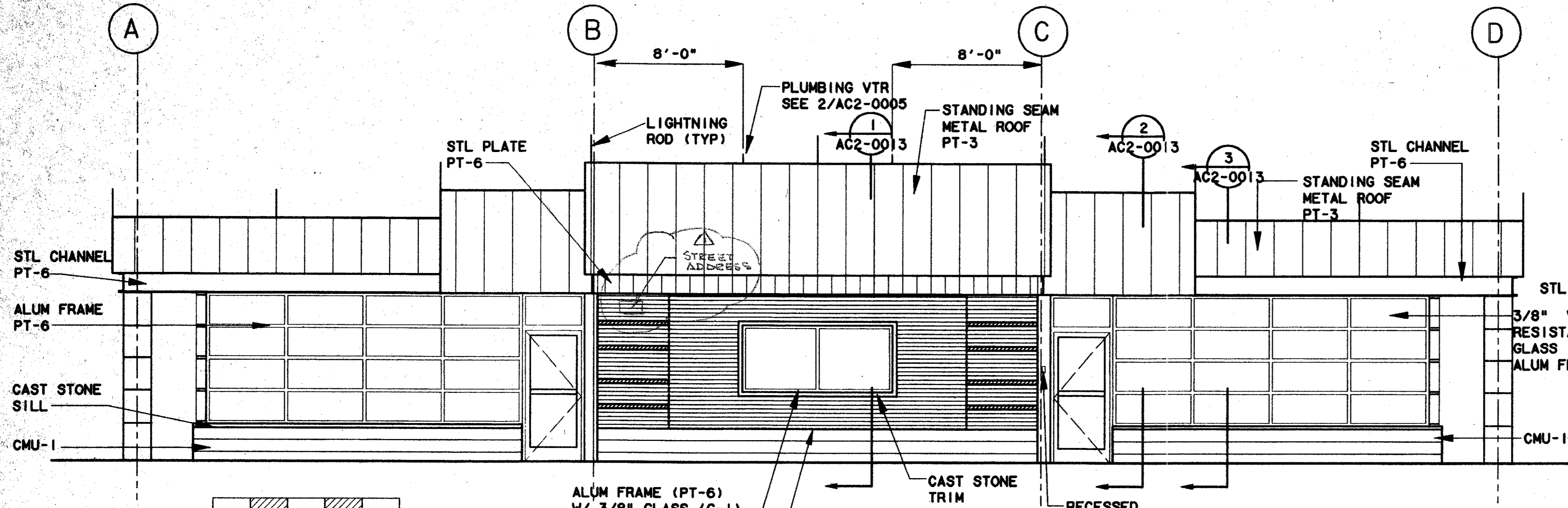


SCALE: 1/4" = 1'-0"

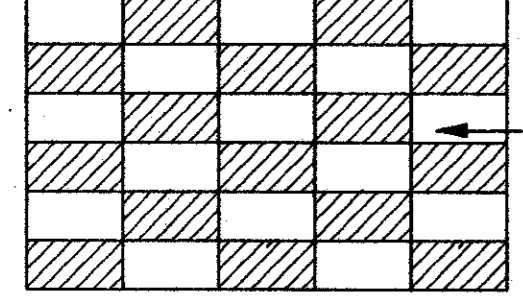
DRAWN: K. DEAN
DESIGNED: N. INFANZON/K. DEAN
CHECKED: N. INFANZON/RON BOLTON
IN CHARGE: V. STEVENS
DATE: 14 AUGUST 97

ADDISON TRANSIT CENTER
ENCLOSURE REFLECTED CEILING PLAN

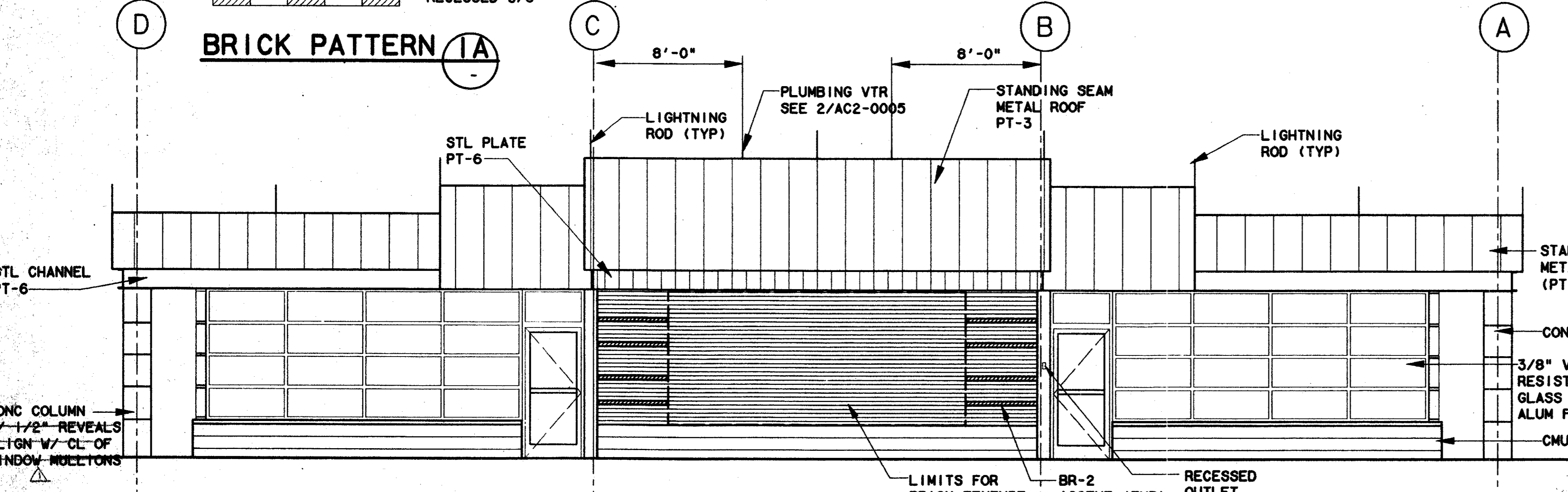
\$\$\$\$\$SPECIFICATIONS\$\$\$\$\$
 \$\$\$SYTIME\$\$\$\$\$
 \$\$\$PRF\$\$\$\$\$
 \$\$\$SERNAME\$\$\$\$\$
 \$\$\$PRF ROT\$\$\$\$\$
 \$\$\$PEN\$\$\$\$\$
 \$\$\$FILE\$\$\$\$\$
 \$\$\$FILE\$\$\$\$\$
 \$\$\$FILE\$\$\$\$\$
 \$\$\$FILE\$\$\$\$\$
 \$\$\$FILE\$\$\$\$\$



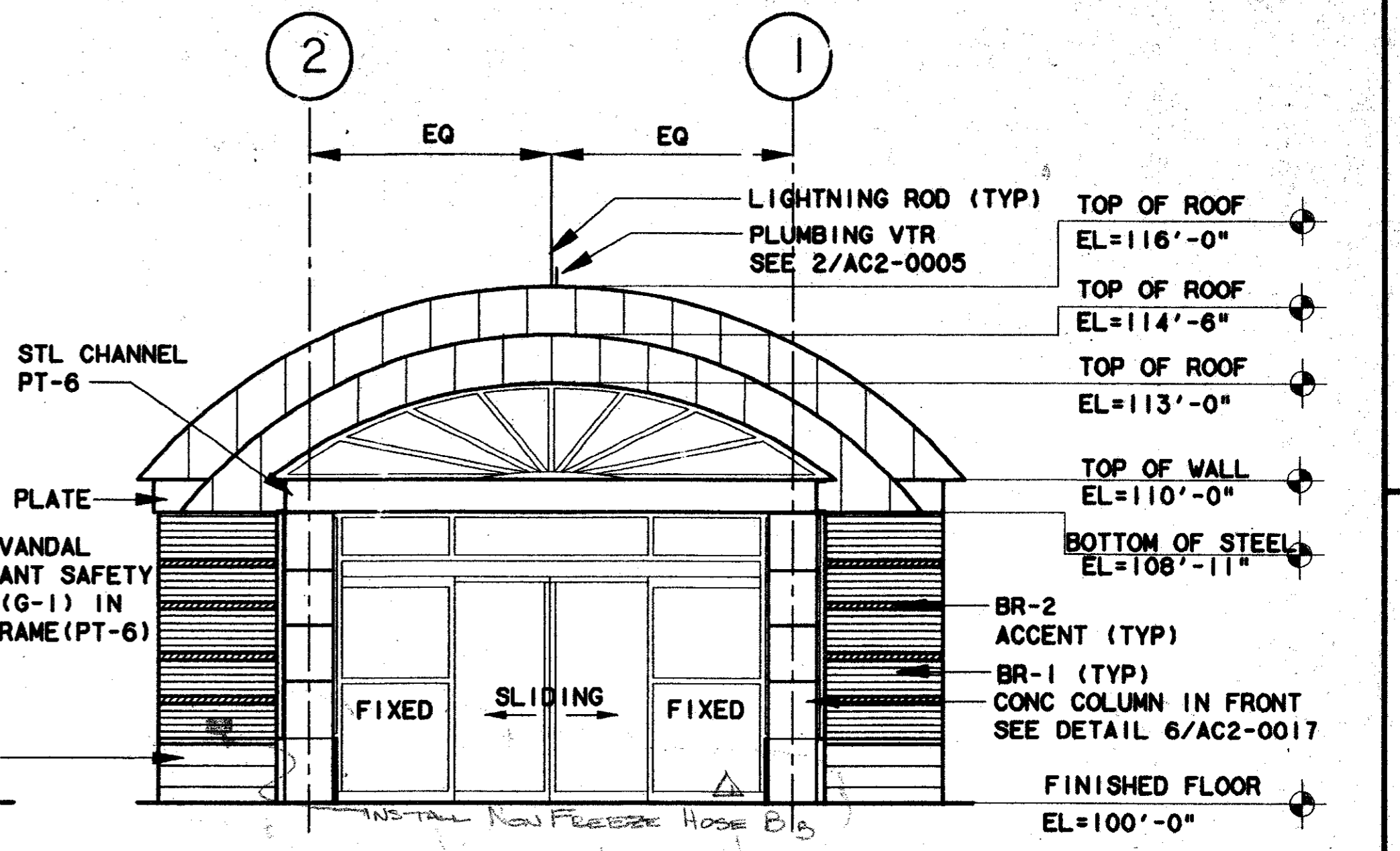
ENCLOSURE FRONT ELEVATION (1)
 SCALE: 1/4"=1'-0"
 AC2-0004



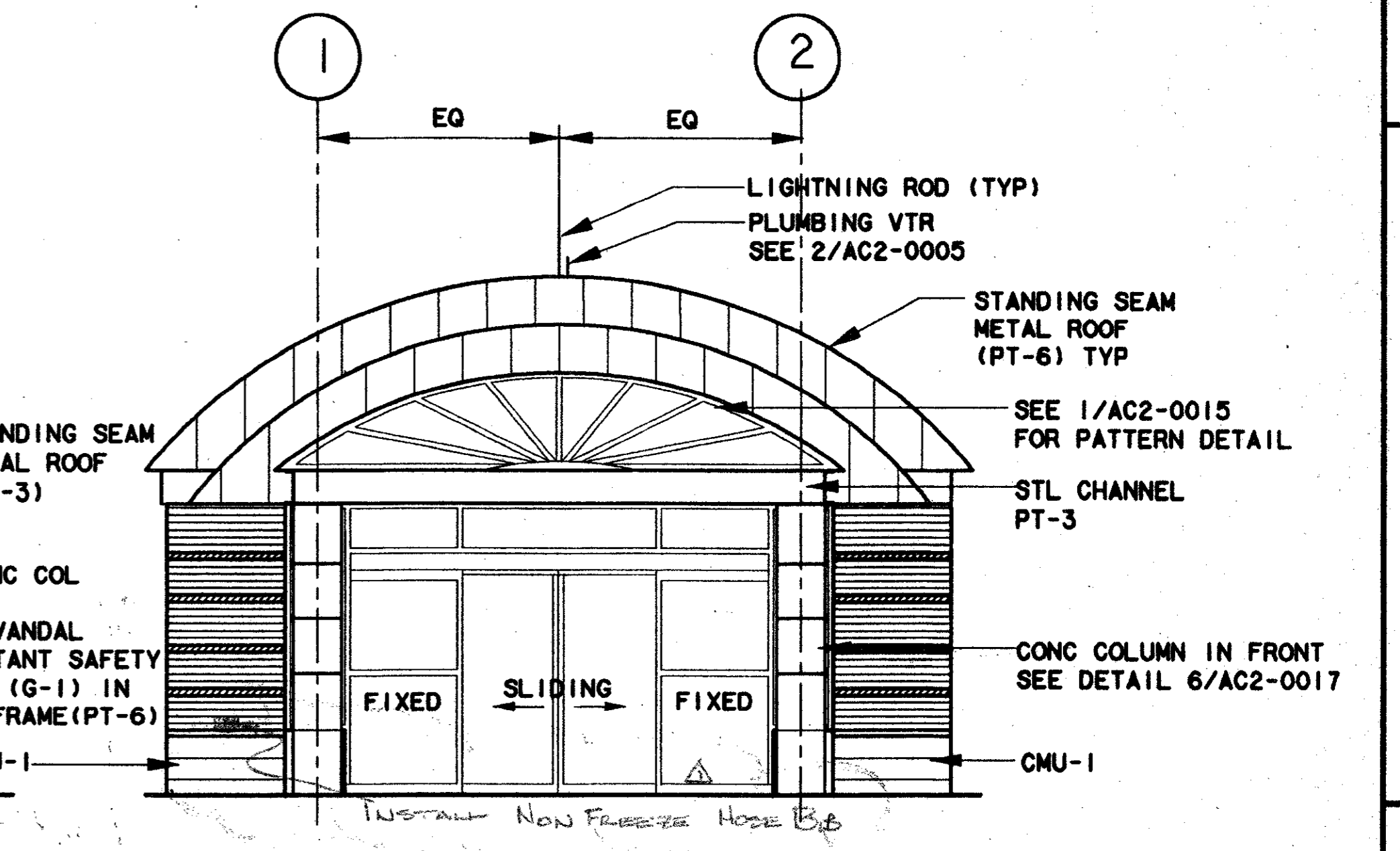
BRICK PATTERN (1A)



ENCLOSURE BACK ELEVATION (3)
 SCALE: 1/4"=1'-0"
 AC2-0004

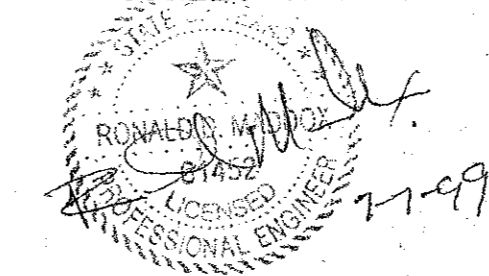


ENCLOSURE SIDE ELEVATION (2)
 SCALE: 1/4"=1'-0"
 AC2-0004



ENCLOSURE SIDE ELEVATION (4)
 SCALE: 1/4"=1'-0"
 AC2-0004

Professional Engineer of Construction Contract Administration
 and Architectural Services (as provided) for the project of
 ADDISON TRANSIT CENTER
 ILM KADER
 PRESIDENT
 7-99



CONFORMED

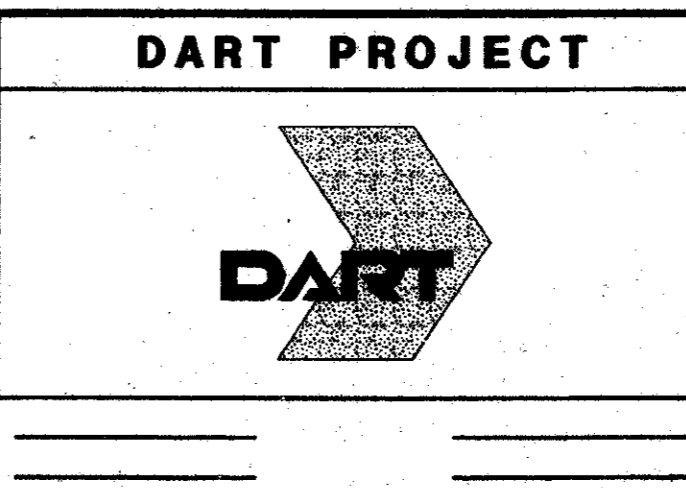
CONTRACT SHEET No. 59 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
1	8/30/99	RECORD (AS BUILT) DRAWINGS	RDM	JLM									



LAN
 Lockwood, Andrews & Newnam, Inc.
 A SUBSIDIARY OF LEO A DALY

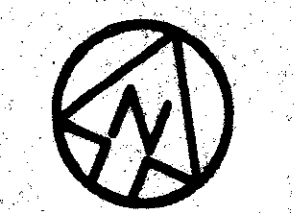
WLA
 WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 1825 MARKET CENTER BLVD - SUITE 310
 DALLAS, TEXAS 75207
 (214) 741-7777



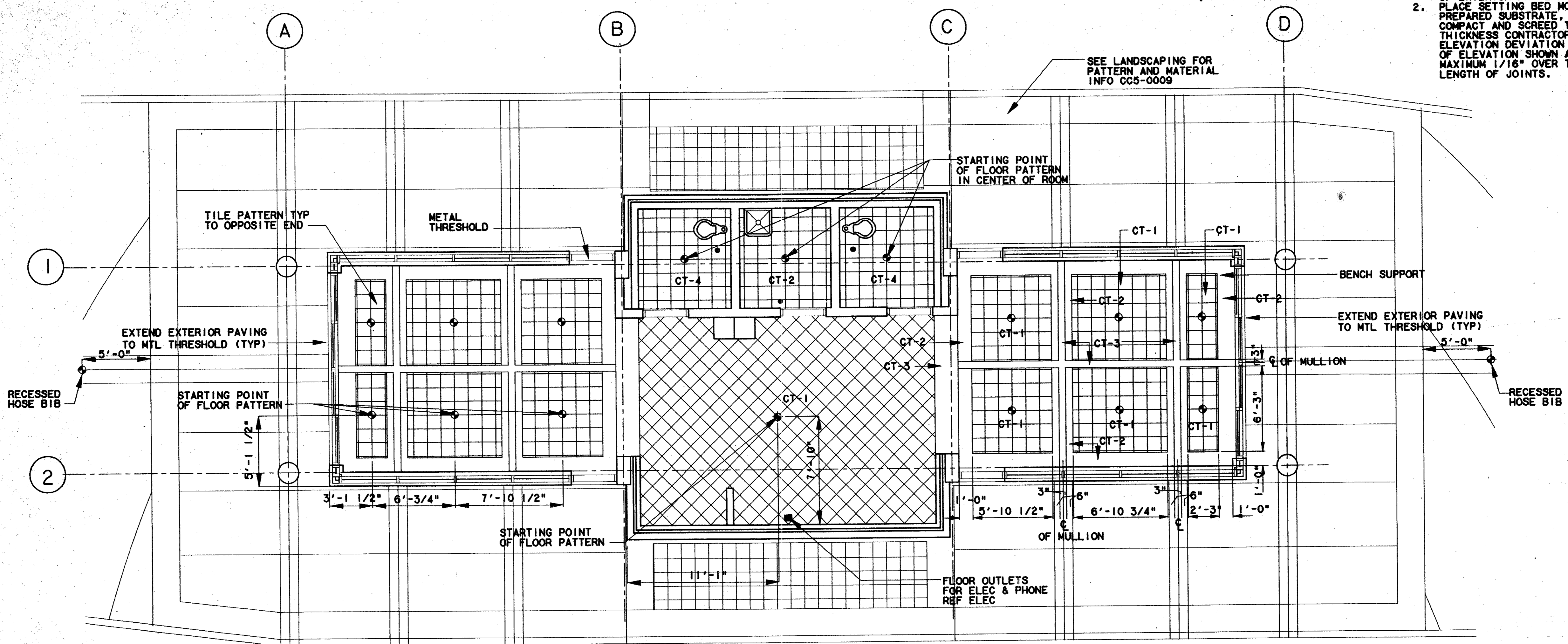
SCALE: 1/4"=1'-0"
 DRAWN: K. DEAN
 DESIGNED: N. INFANZON/K. DEAN
 CHECKED: N. INFANZON/RON BOLTON
 IN CHARGE: V. STEVENS
 DATE: 14 AUGUST 97

ADDISON TRANSIT CENTER ENCLOSURE ELEVATIONS

CONTRACT C-97000136 DWG No. AC2-0007 REV 01



- NOTE:
1. CONTRACTOR TO ENSURE ALIGNMENT OF EXTERIOR PATTERN W/ BUILDING.
 2. PLACE SETTING BED MORTAR OVER PREPARED SUBSTRATE, AND SPREAD, COMPACT AND SCREED TO UNIFORM THICKNESS. CONTRACTOR TO ENSURE ELEVATION DEVIATION WITHIN 1/8" OF ELEVATION SHOWN AND LIPPING MAXIMUM 1/16" OVER THE ENTIRE LENGTH OF JOINTS.



ENCLOSURE FLOOR PATTERN PLAN
SCALE: 1/4"=1'-0"

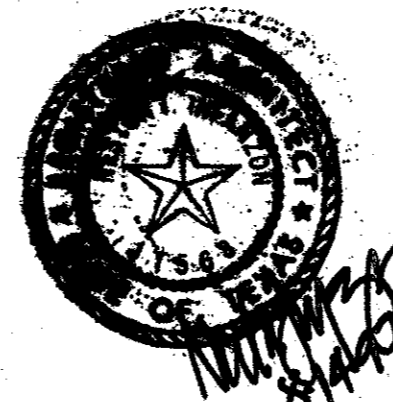
Record (As-Built) Certification
Having checked this submission, we certify that it complies with the requirements of the contract in all respects, except as otherwise noted.
Contract Number: 97000136
Company Name: **W.A. DART CO.**
Date: 7-7-99
Title of Officer (Typed): **LOCKWOOD PRESIDENT**
Name of Professional Engineer of Construction Contractors, Inc. (Typed) and State, thereby sealing record (as-built) drawings for future reference. Conditions reflected herein, must be placed below.

- LEGEND:
- CT-1 12X12 ANGELFIRE FLAGSTONE
 - CT-2 6X6 MAYFLOWER RED QUARTZITE
 - CT-3 6X6 SERENGETI FLAGSTONE
 - CT-4 6X6 ANGELFIRE FLAGSTONE
 - ◆ CENTER

CONFORMED

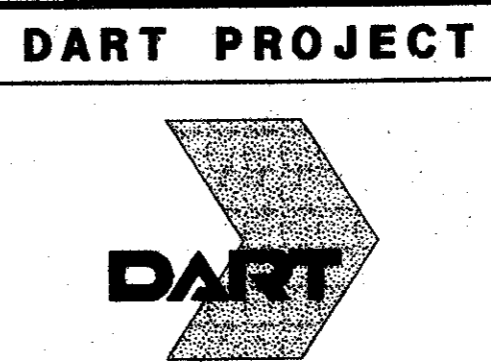
CONTRACT SHEET No. 60 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
△							△						
△							△						
△							△						
△							△						
△							△						
△							△						



Lockwood, Andrews & Newnam, Inc.
A SUBSIDIARY OF LEO A DALY

W.A. DART
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
102 MARKET CENTER BLVD - SUITE 50
DALLAS, TEXAS 75207
(214) 746-7777

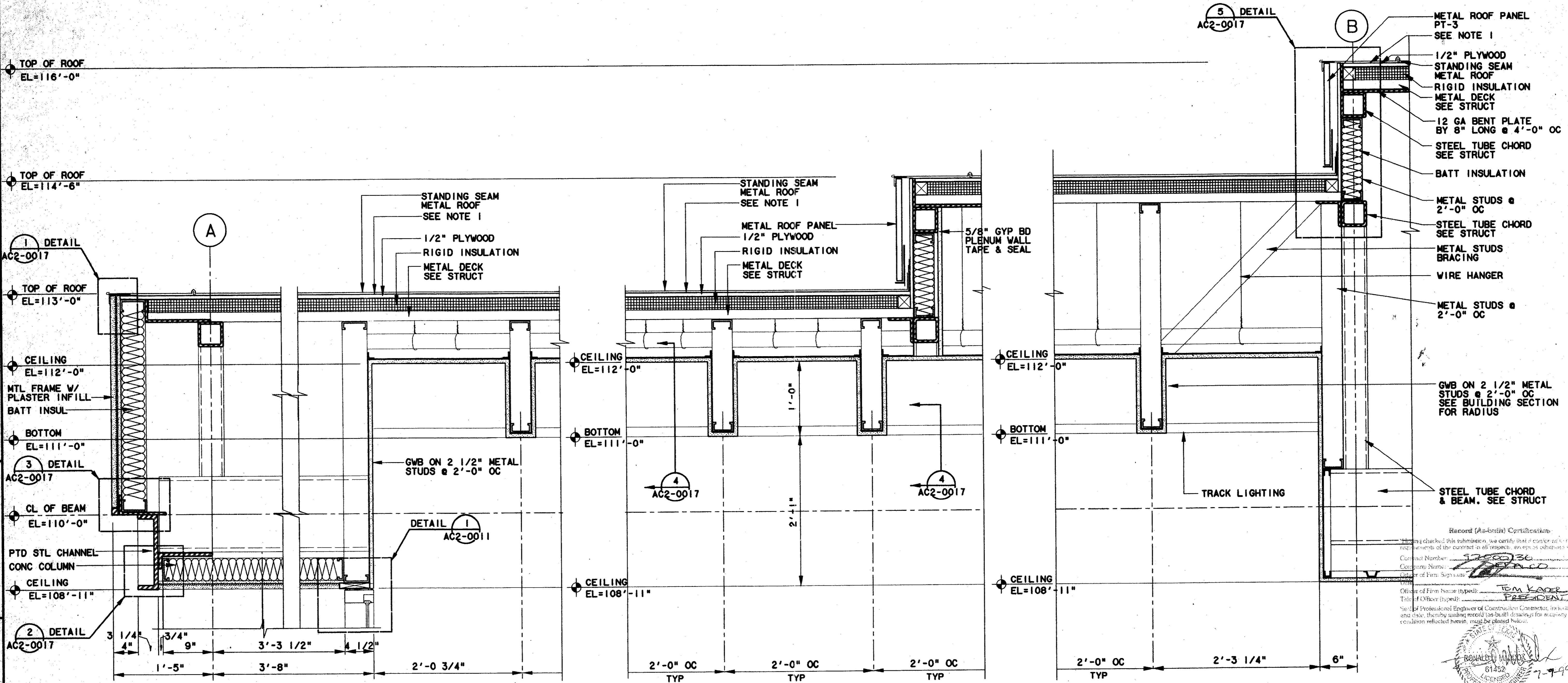


SCALE: 1/4"=1'-0"
DRAWN: K. DEAN
DESIGNED: N. INFANZON/K. DEAN
CHECKED: N. INFANZON/RON BOLTON
IN CHARGE: V. STEVENS
DATE: 14 AUGUST 97

ADDISON TRANSIT CENTER
ENCLOSURE FLOOR PATTERN PLAN

CONTRACT C-97000136 DWG No. AC2-0006 REV 0

NOTE:
 1. PROVIDE SELF ADHERING RUBBERIZED ASPHALT MEMBRANE (SELF SEALING) AT ALL ROOF AREAS OF 3" IN 12" OR LESS & CONTINUOUS @ WALLS, PARAPETS & CANOPY EDGES. LAP MEMBRANE UP & TERMINATE IN FLASHING REGLET. LAP EDGE OF MEMBRANE OVER FELT UNDERLAYMENT 4" MIN.



ROOF/FASCIA DETAIL 1
 SCALE: 1/2"=1'-0" AC2-0014 & AC2-0005

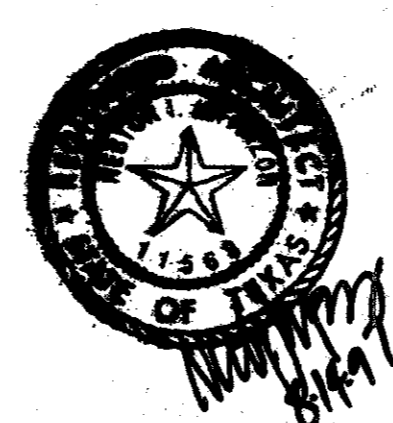
ROOF/FASCIA DETAIL 2
 SCALE: 1/2"=1'-0" AC2-0014 & AC2-0005

ROOF/FASCIA DETAIL 3
 SCALE: 1/2"=1'-0" AC2-0014 & AC2-0005

CONFORMED

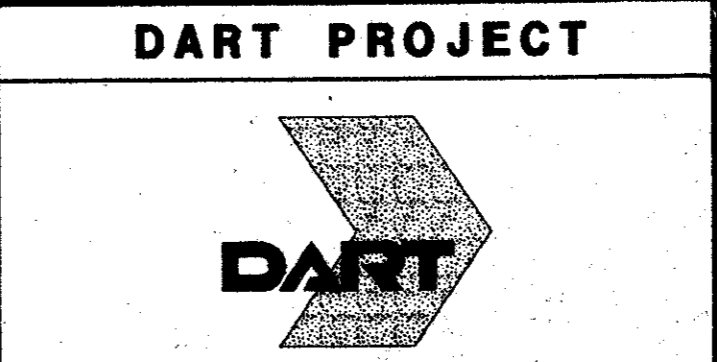
CONTRACT SHEET No. 61 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



LAN
 Lockwood, Andrews & Newnam, Inc.
 A SUBSIDIARY OF LEO A DALY

WLA
 WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 1023 MARKETT CENTER BLVD - SUITE 210
 DALLAS, TEXAS 75207
 (214) 746-7777



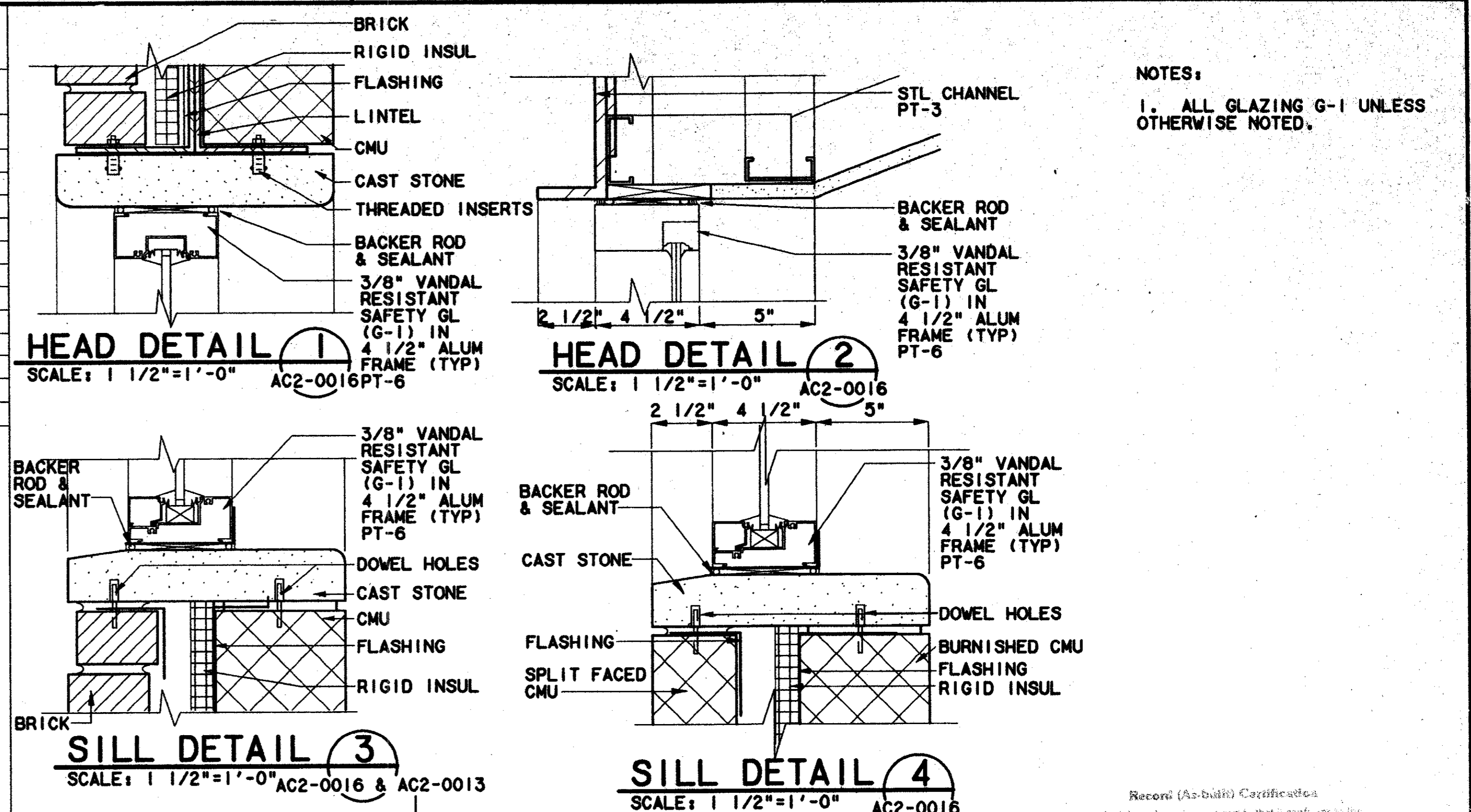
SCALE: 1/2"=1'-0"
 DRAWN: K. DEAN
 DESIGNED: N. INFANZON/K. DEAN
 CHECKED: N. INFANZON/RON BOLTON
 IN CHARGE: V. STEVENB
 DATE: 14 AUGUST 97

ADDISON TRANSIT CENTER
 ENCLOSURE SECTIONS & DETAILS

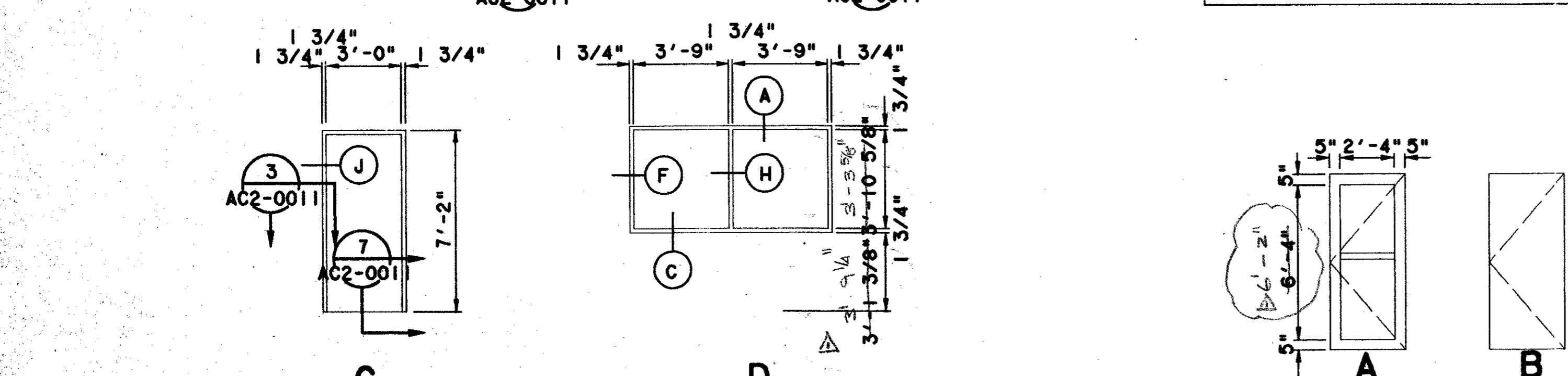
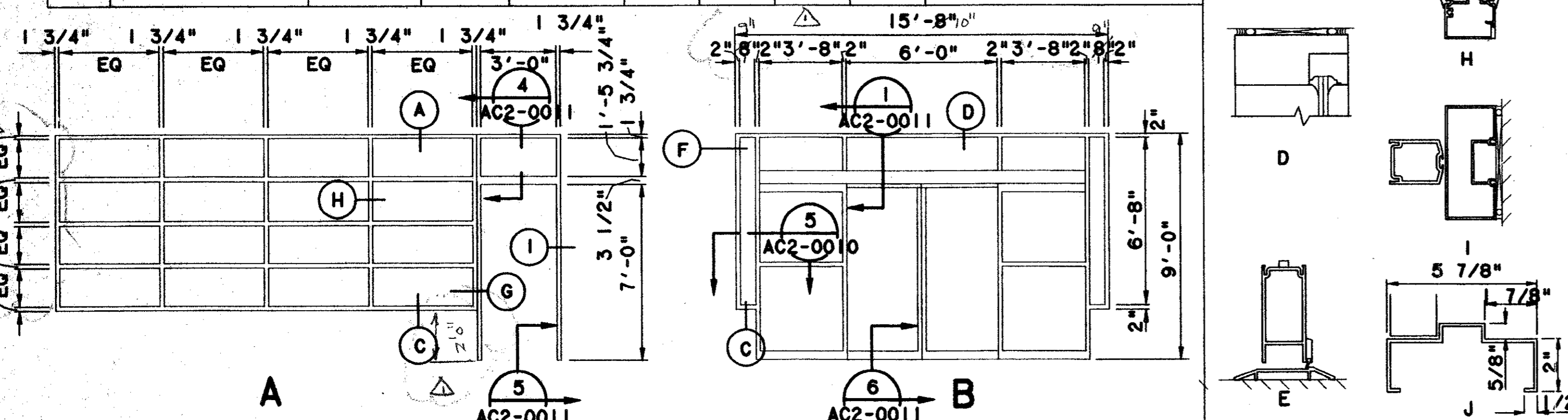
CONTRACT C-97000136
 DWG No. AC2-0009
 REV 0

DOOR SCHEDULE											FRAME SCHEDULE										
NO	DOOR SIZE	TYPE	MATL	FIN	HW SET	TYPE	MATL	SIZE	FIN	HEAD	JAMB	SILL	NOTES								
01	6'-0"x7'-6"	C	AL/G-1	PT-6	HW-3	B	AL	4 1/2"	PT-6	1/AC2-0011	5/AC2-0010	6/AC2-0011									
02	3'-0"x7'-0"	A	AL/G-1	PT-6	HW-2	A	AL	4 1/2"	PT-6	4/AC2-0011	8/AC2-0011	5/AC2-0011	PANIC HARDWARE								
03	3'-0"x7'-0"	B	HM	PT-1	HW-4	C	HM	4 1/2"	PT-1	3/AC2-0011	3/AC2-0011	7/AC2-0011									
04	3'-0"x7'-0"	B	HM	PT-1	HW-5	C	HM	4 1/2"	PT-1	3/AC2-0011	3/AC2-0011	7/AC2-0011									
05	3'-0"x7'-0"	B	HM	PT-1	HW-4	C	HM	4 1/2"	PT-1	3/AC2-0011	3/AC2-0011	7/AC2-0011									
06	3'-0"x7'-0"	A	AL/G-1	PT-6	HW-1	A	AL	4 1/2"	PT-6	4/AC2-0011	8/AC2-0011	5/AC2-0011	PANIC HARDWARE								
07	6'-0"x7'-6"	C	AL/G-1	PT-6	HW-3	B	AL	4 1/2"	PT-6	1/AC2-0011	5/AC2-0010	6/AC2-0011									
08	3'-0"x7'-0"	A	AL/G-1	PT-6	HW-2	A	AL	4 1/2"	PT-6	4/AC2-0011	9/AC2-0011	5/AC2-0011	PANIC HARDWARE								
09	3'-0"x7'-0"	A	AL/G-1	PT-6	HW-1	A	AL	4 1/2"	PT-6	4/AC2-0011	9/AC2-0011	5/AC2-0011	PANIC HARDWARE								
10													GATE								

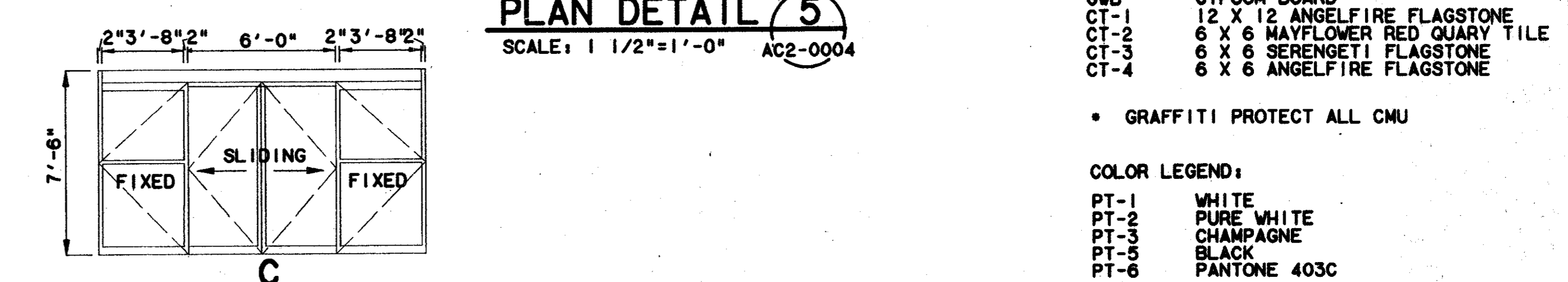
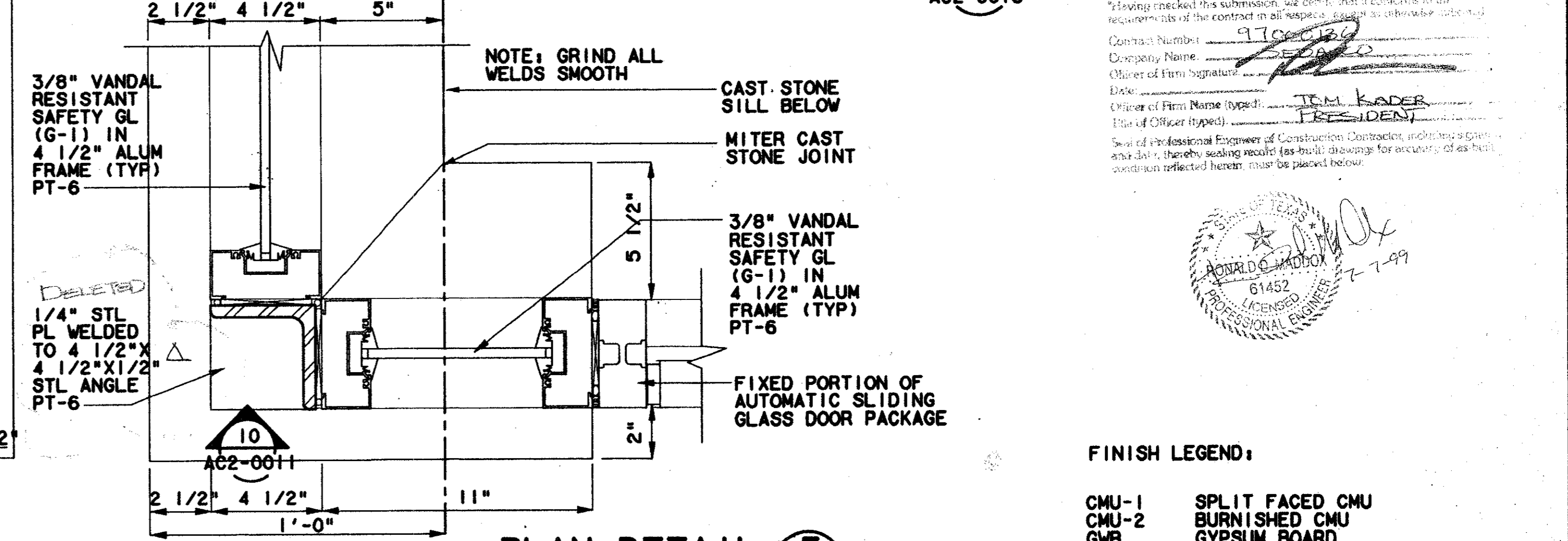
FINISH SCHEDULE										
RM	RM NAME	FLR	CLG	HT	WALLS				NOTES	
			MATL		N	S	W	E		
101	WOMEN'S RR	D	GWB	8'-11"	CMU-2	CMU-2	CMU-2	CMU-2		
102	JANITORS	B	GWB	8'-11"	CMU-2	CMU-2	CMU-2	CMU-2		
103	MEN'S RR	D	GWB	8'-11"	CMU-2	CMU-2	CMU-2	CMU-2		
104	WAITING AREA	A/B/C/D	GWB	VARIES	CMU-2	CMU-2	CMU-2	CMU-2		
105	WAITING AREA	A	GWB	8'-11"	CMU-2	CMU-2	CMU-2	CMU-2		
106	WAITING AREA	A/B/C/D	GWB	VARIES	CMU-2	CMU-2	CMU-2	CMU-2		



NOTES:
1. ALL GLAZING G-1 UNLESS OTHERWISE NOTED.



FRAMES SCALE: 1/4"=1'-0"
DOORS SCALE: 1/4"=1'-0"



FRAMES SCALE: 1/4"=1'-0"
DOORS SCALE: 1/4"=1'-0"

- FINISH LEGEND:**
- CMU-1 SPLIT FACED CMU
 - CMU-2 BURNISHED CMU
 - GWB GYPSUM BOARD
 - CT-1 12 X 12 ANGELFIRE FLAGSTONE
 - CT-2 6 X 6 MAYFLOWER RED QUARY TILE
 - CT-3 6 X 6 SERENGETI FLAGSTONE
 - CT-4 6 X 6 ANGELFIRE FLAGSTONE
- GRAFFITI PROTECT ALL CMU
- COLOR LEGEND:**
- PT-1 WHITE
 - PT-2 PURE WHITE
 - PT-3 CHAMPAGNE
 - PT-5 BLACK
 - PT-6 PANTONE 403C
- FOR HARDWARE SET DEFINITION SEE SPEC SECTION 8710

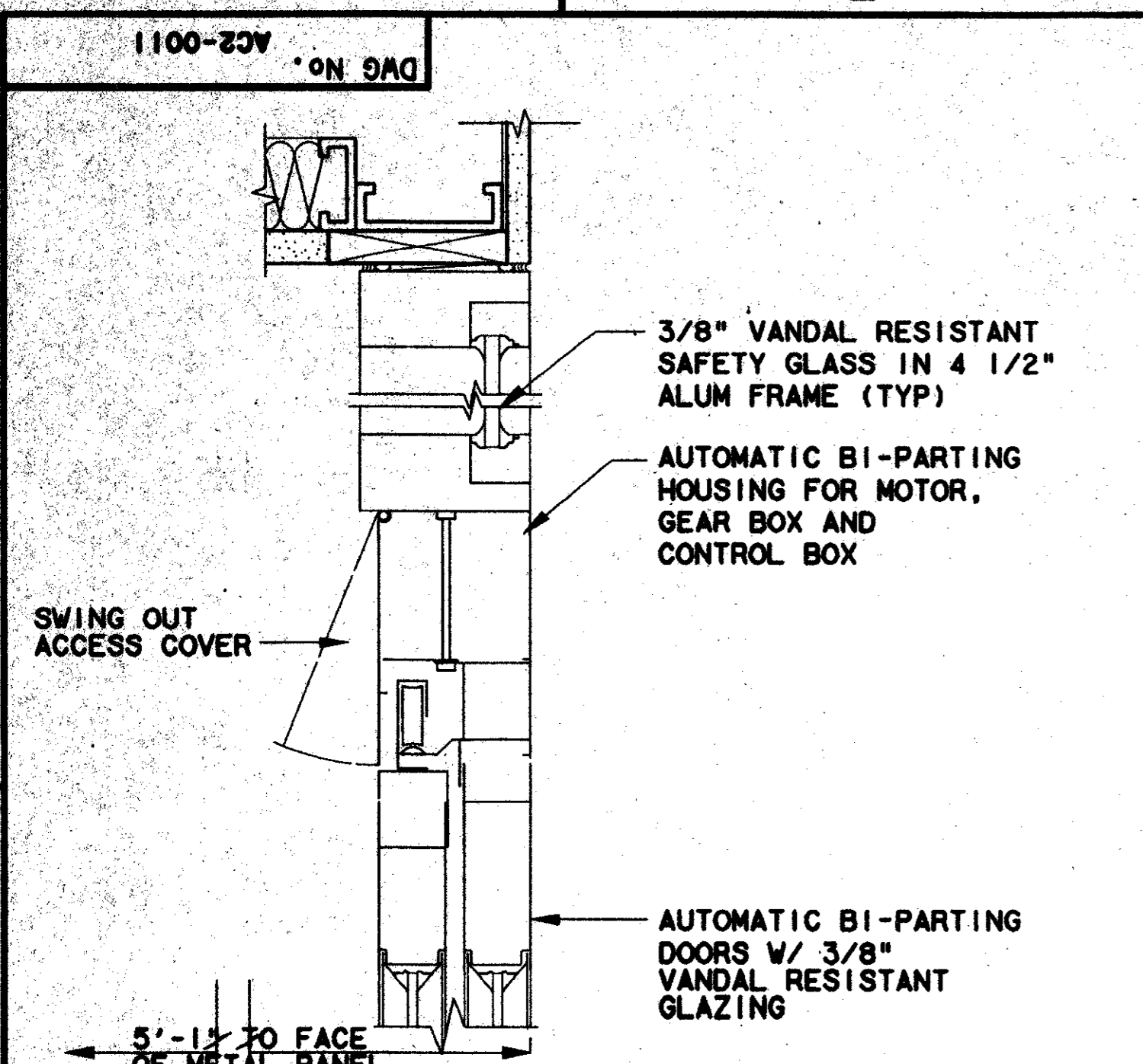
Record (As-Built) Certificate
Having checked this submission, we certify that a contract is in full compliance with the requirements of the contract in all respects.
Contract Number: 970000136
Company Name: WEA
Date: 8/14/97
Professional Engineer of Construction (Contract and Inspection)
Seal of Professional Engineer of Construction (Contract and Inspection)
Professional Engineer License No. 61452
Professional Engineering Seal No. 2-7-99

CONFORMED

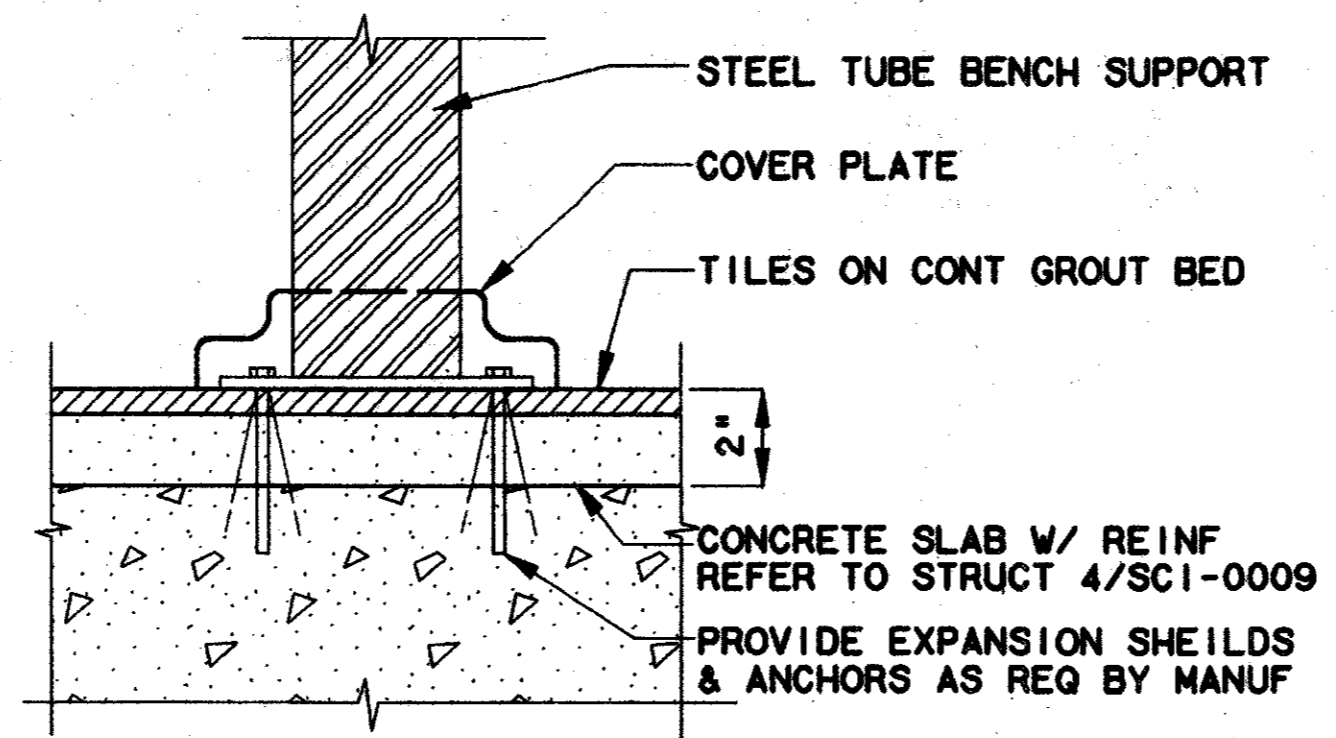
CONTRACT SHEET No. 62 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP

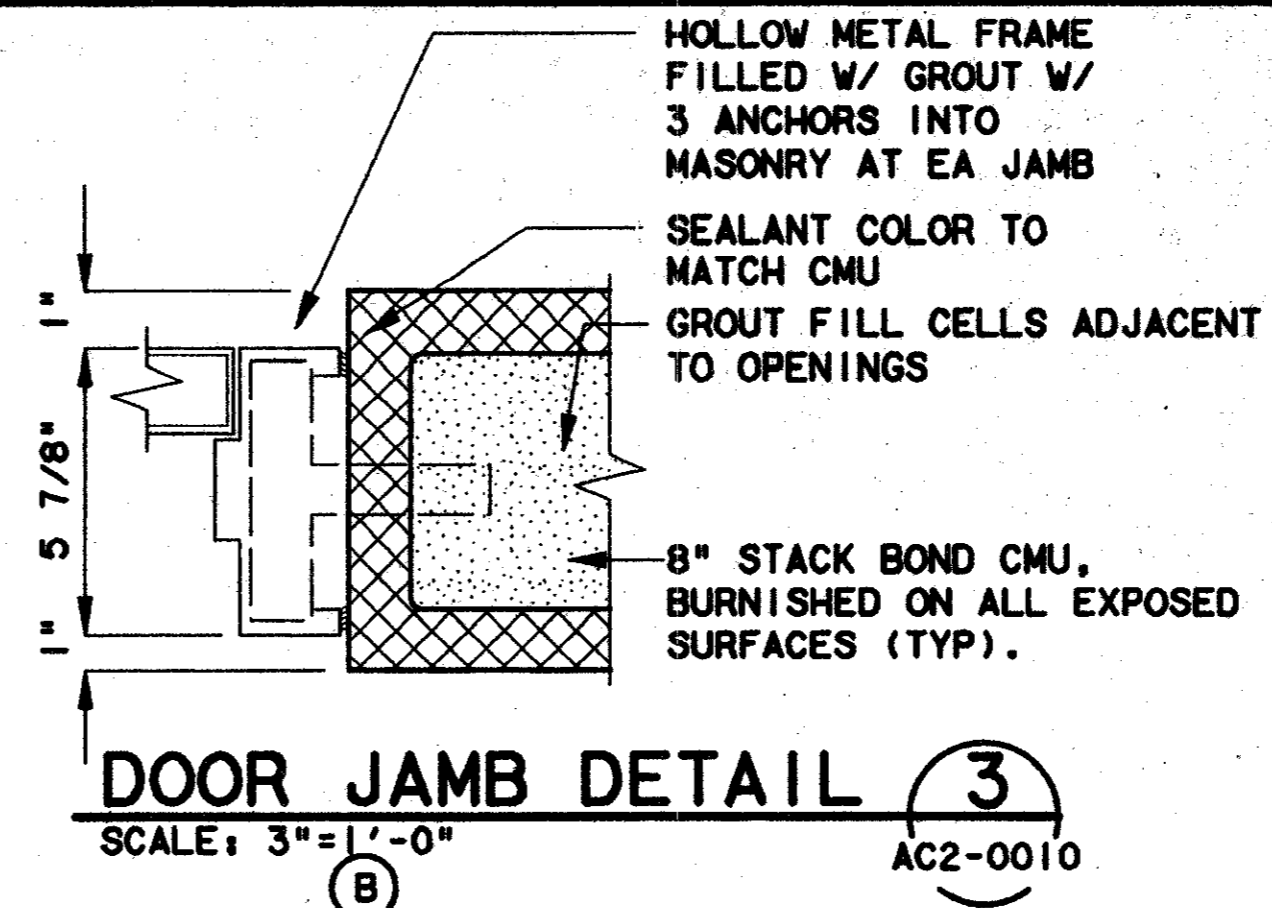
	Lockwood, Andrews & Newnam, Inc. A SUBSIDIARY OF LEO A DALY		WENDY LOPEZ & ASSOCIATES, INC. ENGINEERING • SURVEYING • CONSTRUCTION SERVICES 105 MARKER CENTER BLVD - SUITE 300 DALLAS, TEXAS 75207 (972) 76-7777		SCALE AS NOTED DRAWN K. DEAN DESIGNED N. INFANZON/K. DEAN CHECKED M. INFANZON/RON BOLTON IN CHARGE V. STEVENS DATE 14 AUGUST 97	ADDISON TRANSIT CENTER DOOR & FINISH SCHEDULE W/ DETAILS
					CONTRACT C-97000136 DWG No. AC2-0010 REV 01	



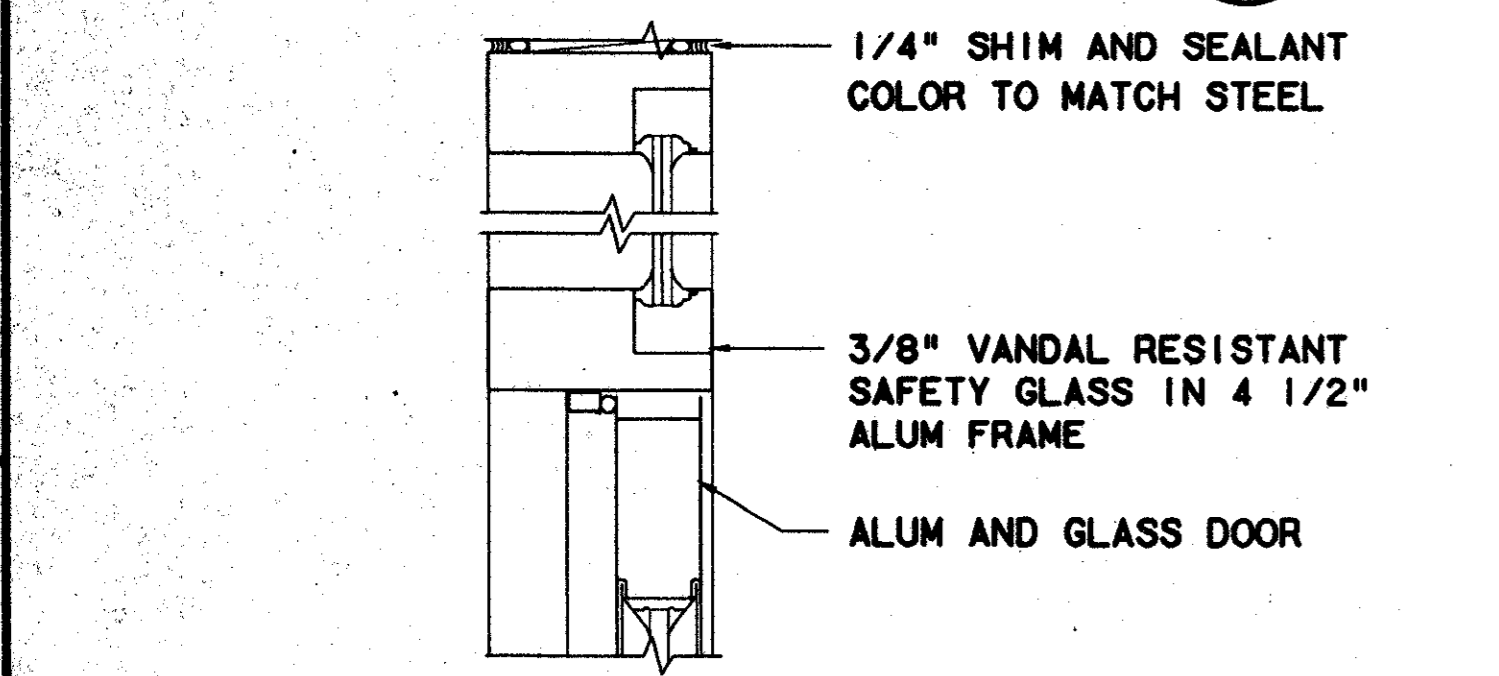
DOOR HEAD DETAIL 1
SCALE: 3"=1'-0" AC2-0009 & AC2-0010



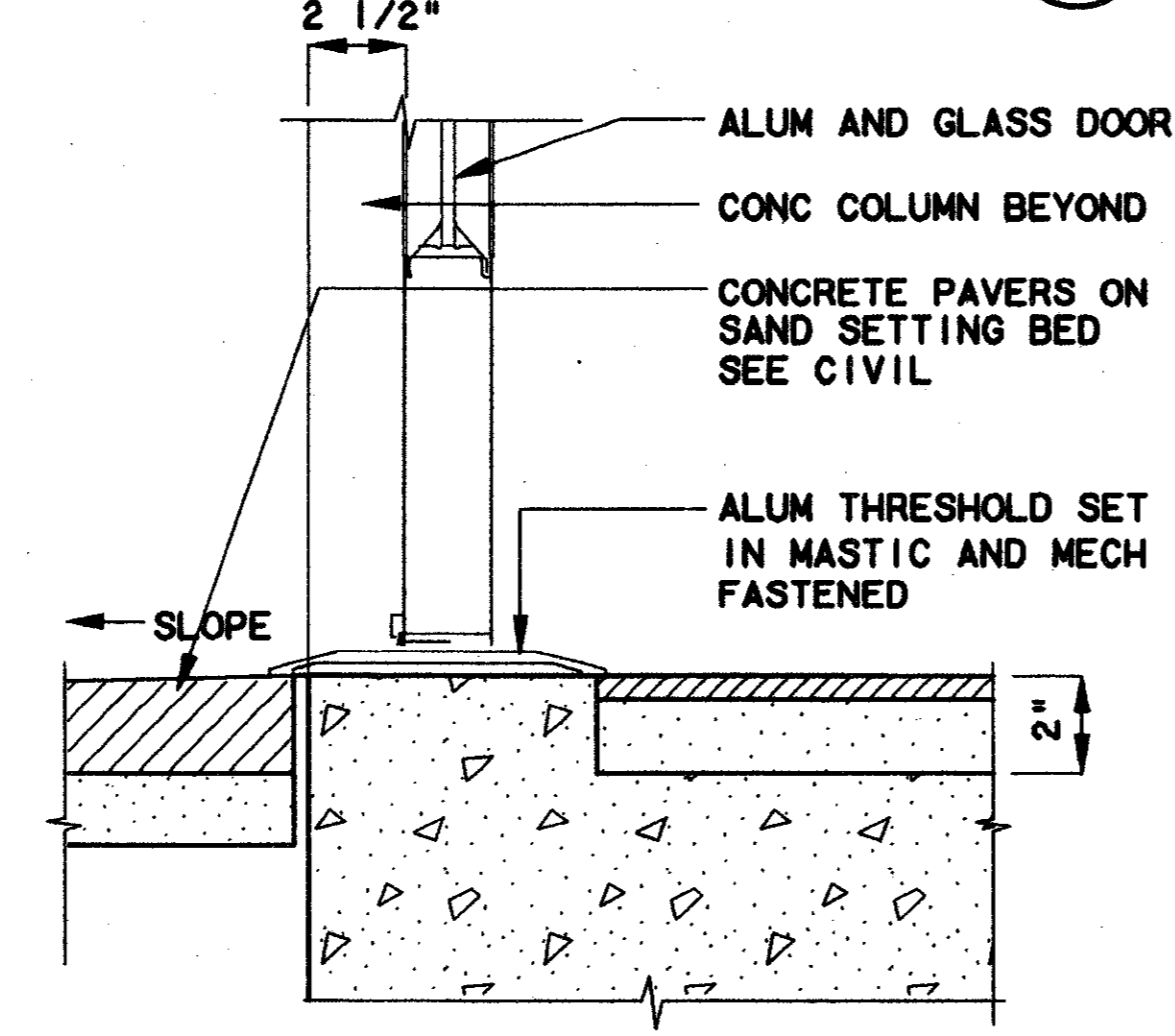
BENCH SUPPORT DETAIL 2
NOT TO SCALE AC2-0004



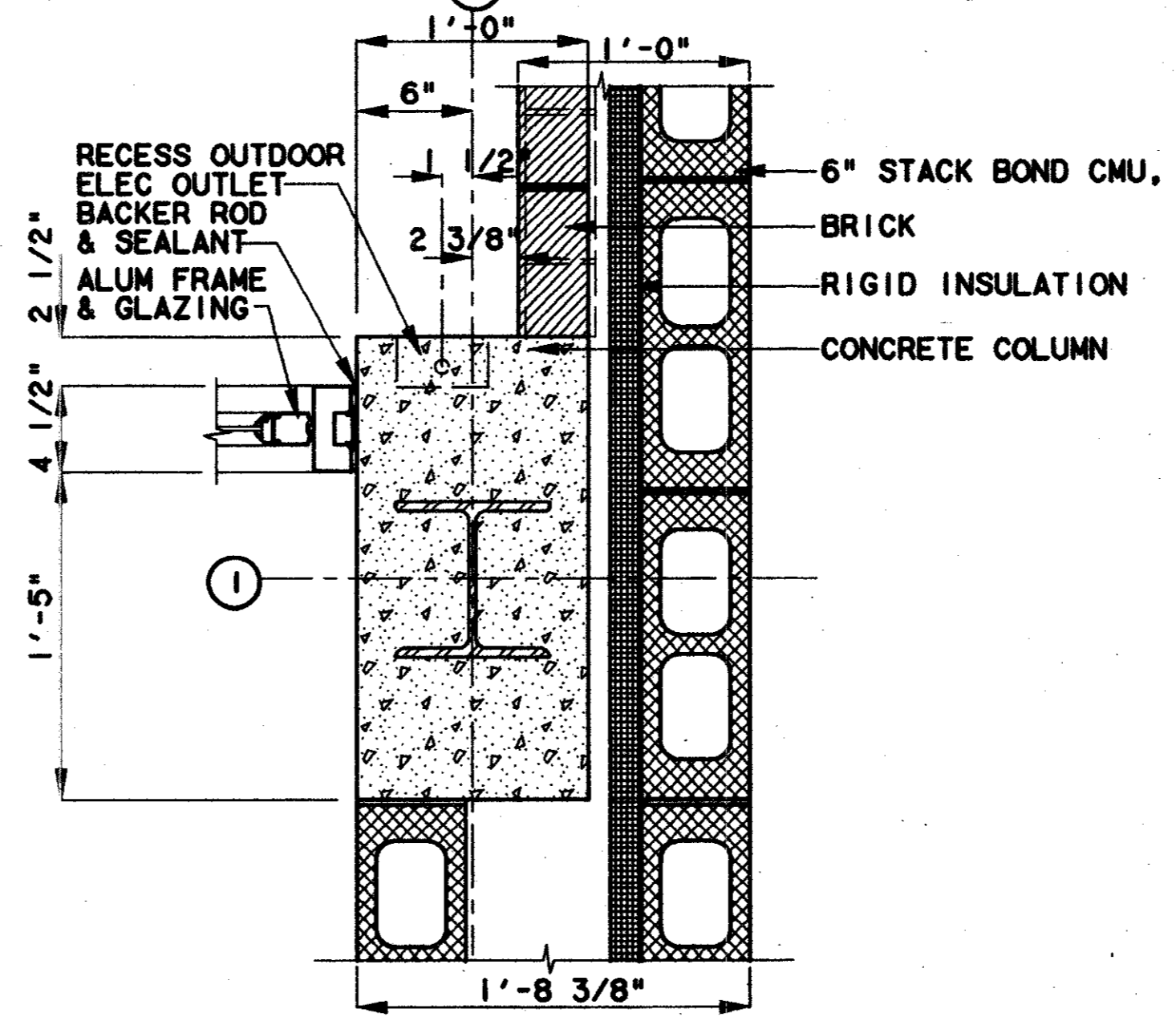
DOOR JAMB DETAIL 3
SCALE: 3"=1'-0" AC2-0010



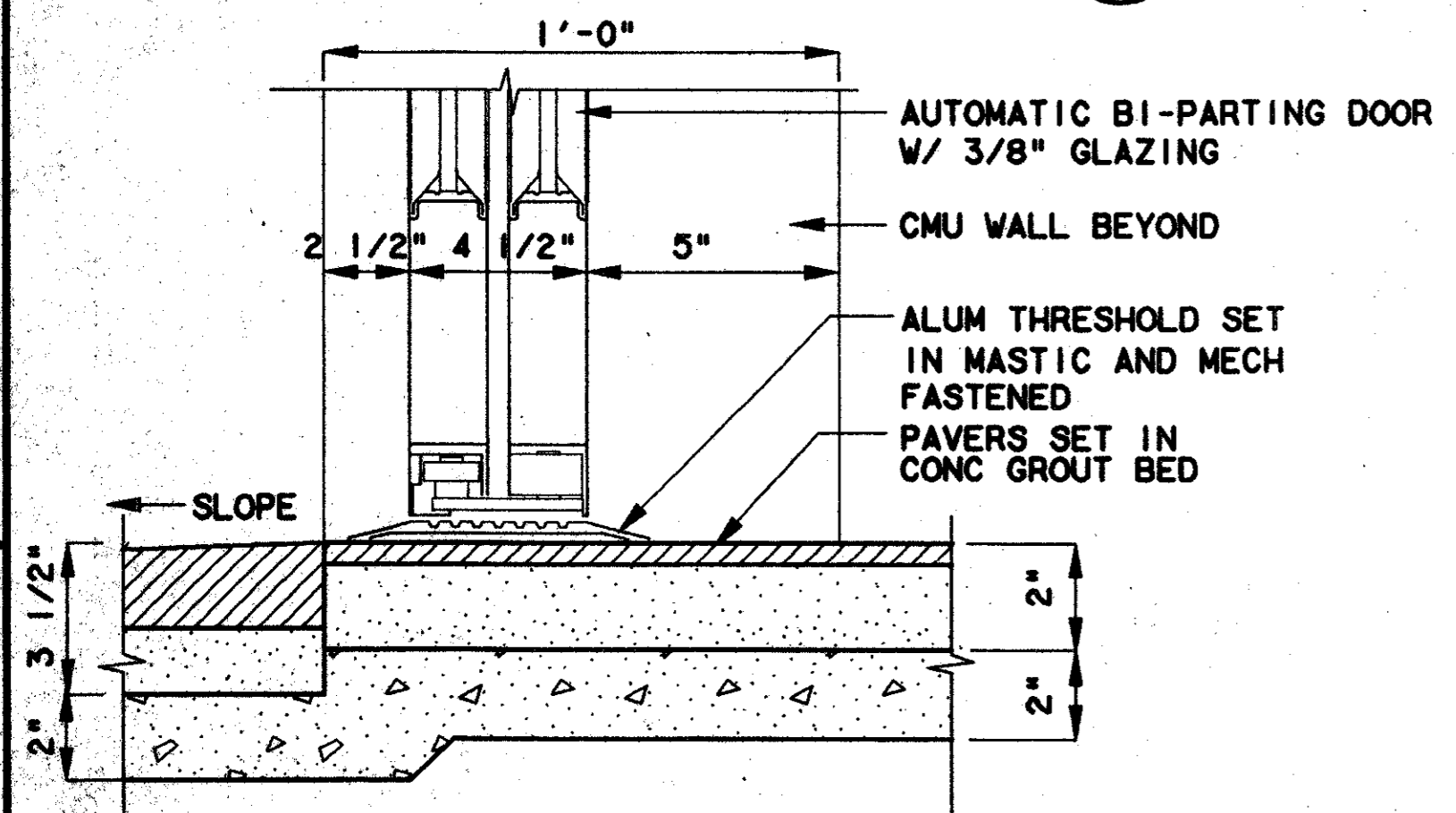
DOOR HEAD DETAIL 4
SCALE: 3"=1'-0" AC2-0010



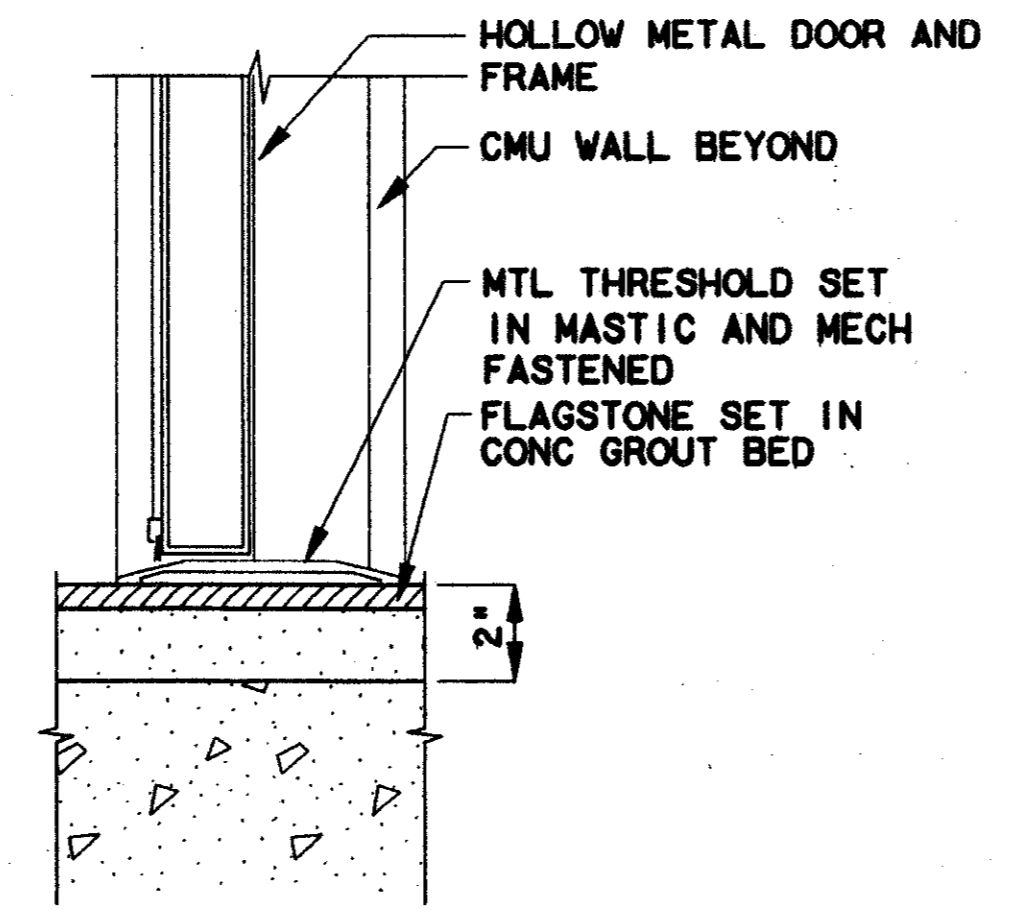
DOOR SILL DETAIL 5
SCALE: 3"=1'-0" AC2-0004



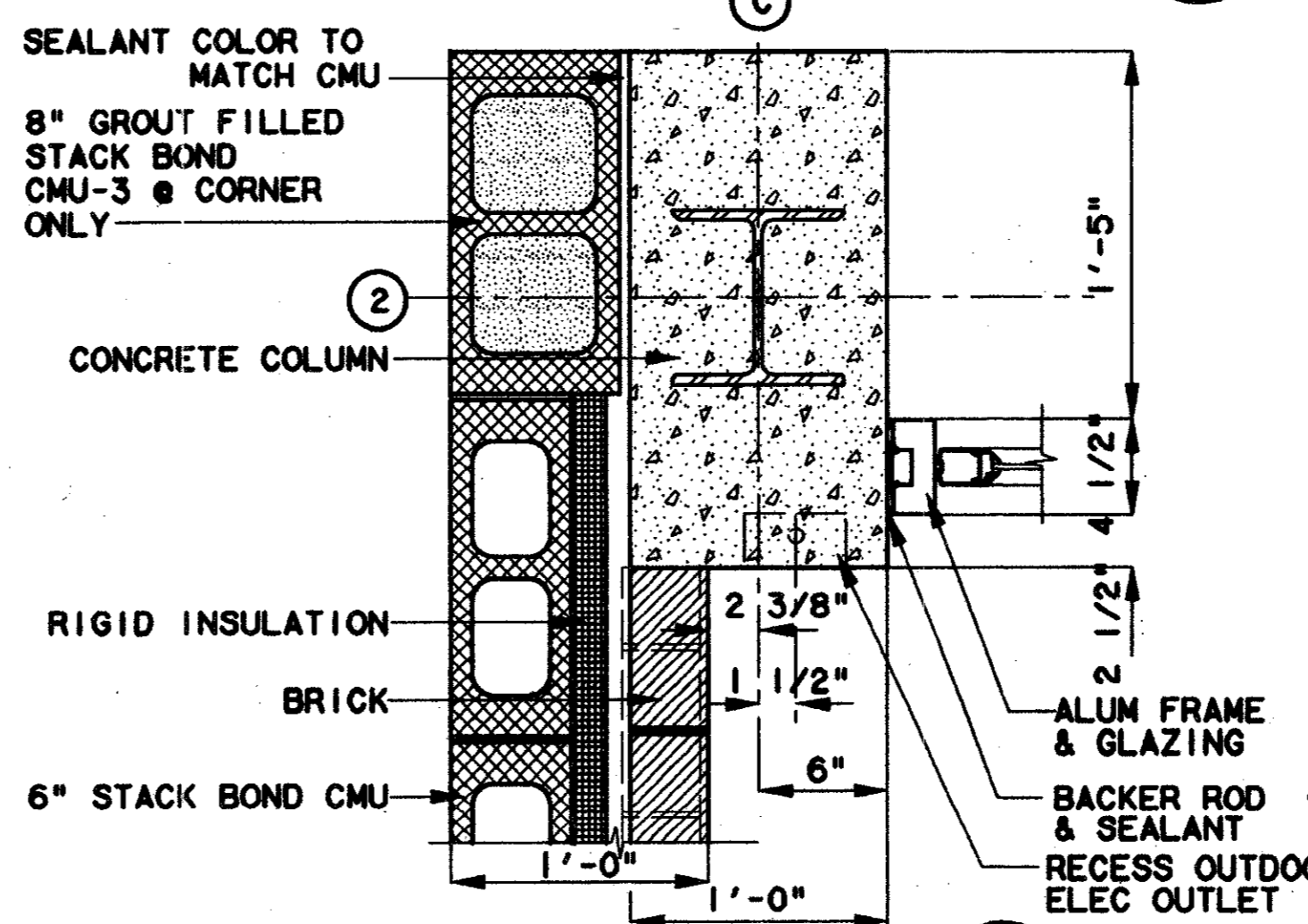
DOOR JAMB DETAIL 8
SCALE: 1 1/2"=1'-0" AC2-0004



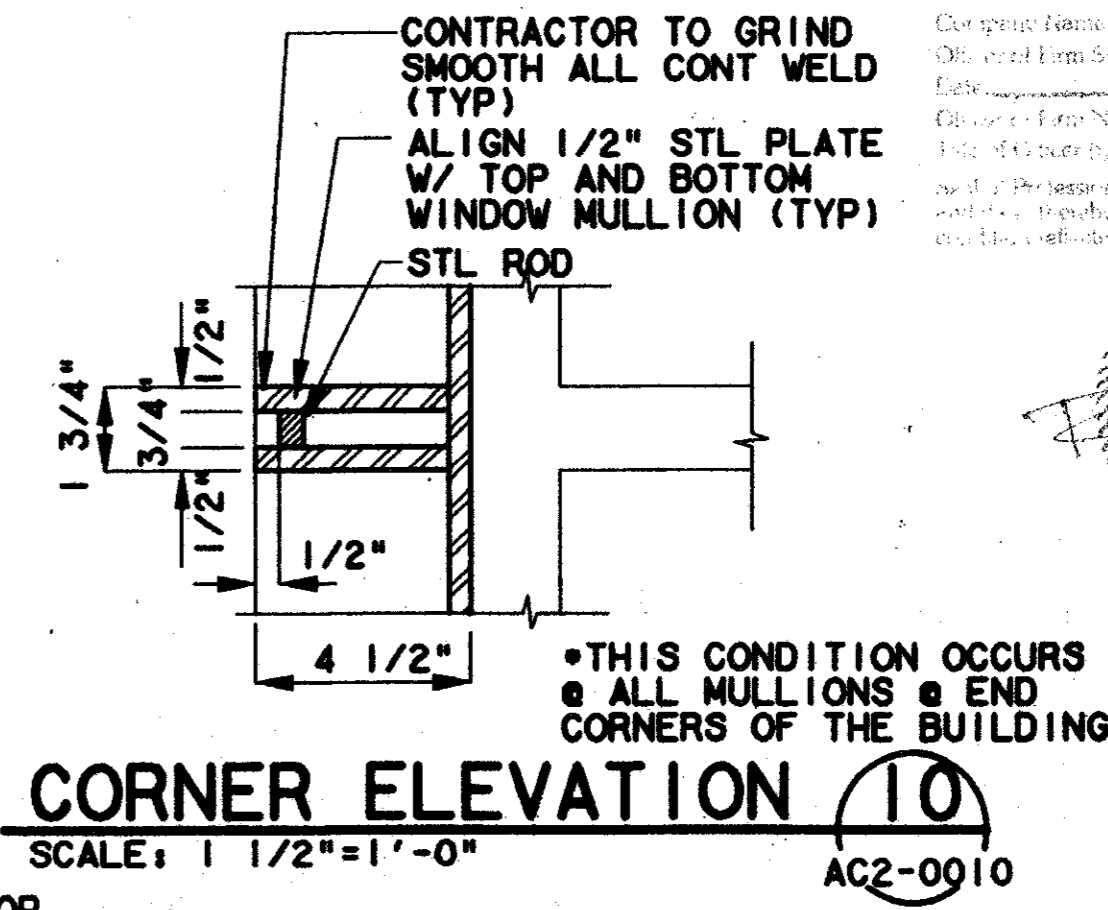
DOOR SILL DETAIL 6
SCALE: 3"=1'-0" AC2-0010



DOOR SILL DETAIL 7
SCALE: 3"=1'-0" AC2-0010



DOOR JAMB DETAIL 9
SCALE: 1 1/2"=1'-0" AC2-0004



CORNER ELEVATION 10
SCALE: 1 1/2"=1'-0" AC2-0010

Second (As-Built) Drawing
I have checked this submission, we find it to be in accordance with the contract documents. I am not responsible for any errors or omissions in the original drawings or specifications.
Contract Number: 97000136
Contract Name: DART
Contract Firm Signature: [Signature]
Contract Firm Name (Typed): TOM KADER, PRESIDENT
Contract Firm Address (Typed): 1401 W. MARKET CENTER BLVD., SUITE 50, DALLAS, TEXAS 75207
Contract Firm Phone (Typed): (214) 76-7777

[Signature]
7-7-99

CONFORMED

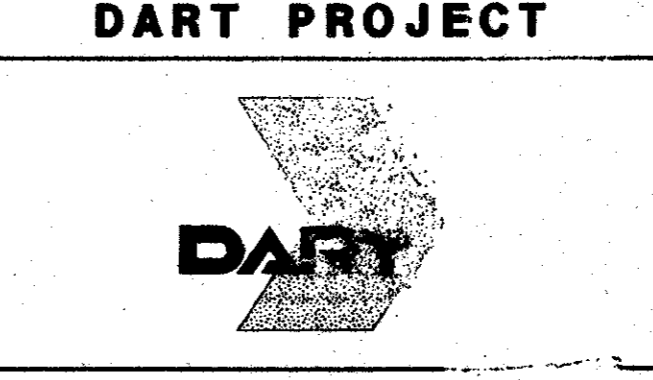
CONTRACT SHEET No. 63 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



LA
Lockwood, Andrews & Newnam, Inc.
A SUBSIDIARY OF LEO A DALY

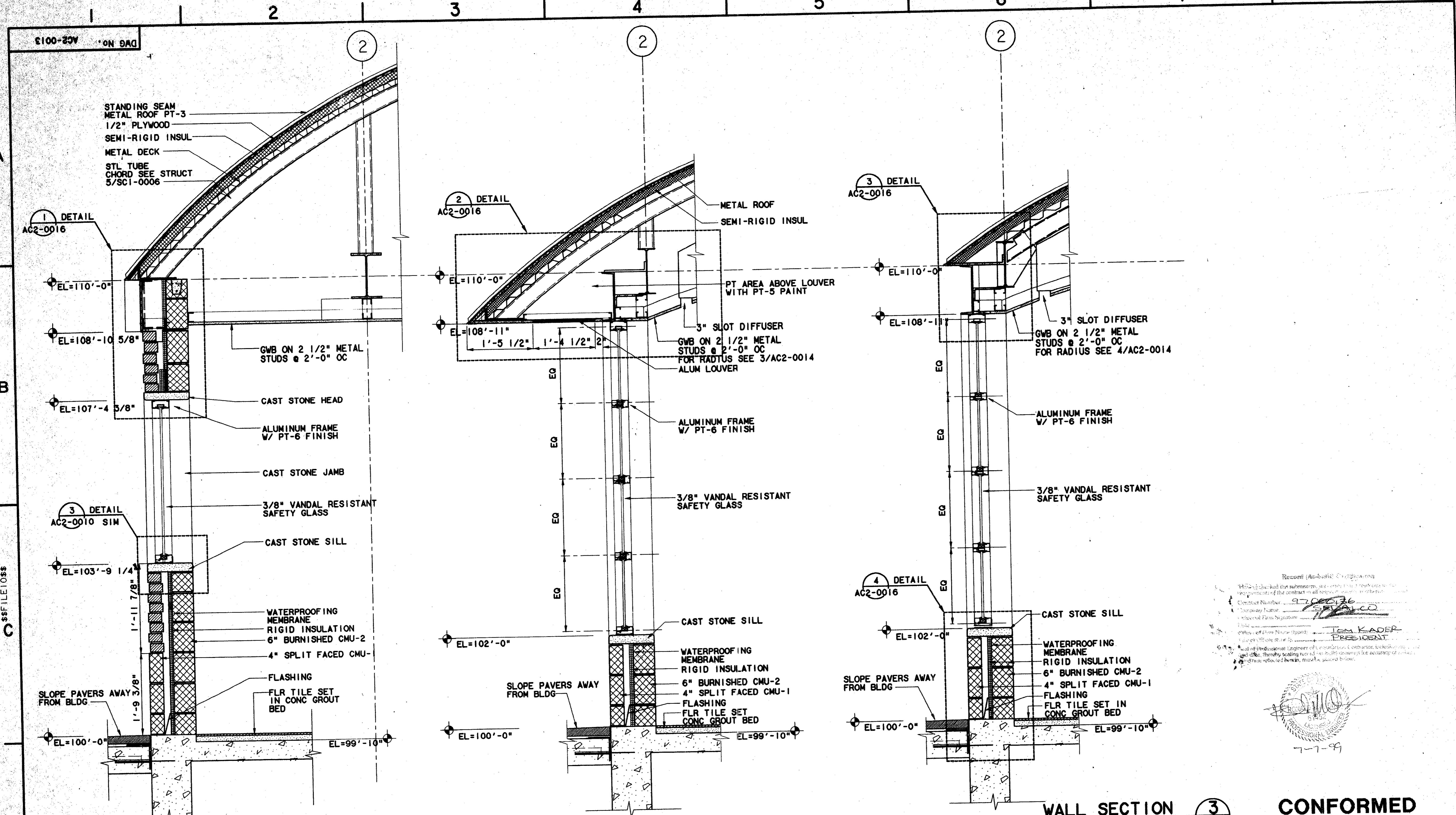
WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
102 MARKET CENTER BLVD - SUITE 50
DALLAS, TEXAS 75207
(214) 76-7777



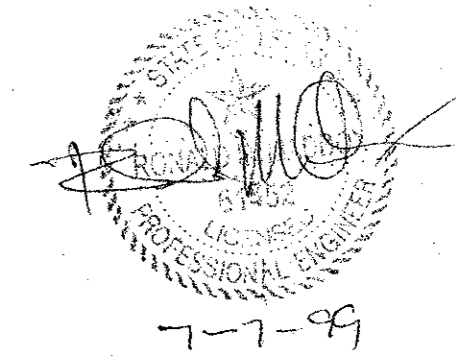
SCALE AS NOTED
DRAWN K. DEAN
DESIGNED N. INFANZON/K. DEAN
CHECKED N. INFANZON/IRON BOLTON
IN CHARGE V. STEVENS
DATE 14 AUGUST 97

ADDISON TRANSIT CENTER
DOOR & WINDOW DETAILS

\$\$\$PRF ROT\$\$\$
 \$\$\$FILE6\$\$\$
 \$\$\$FILE7\$\$\$
 \$\$\$FILE8\$\$\$
 \$\$\$FILE9\$\$\$
 \$\$\$FILE10\$\$\$
 \$\$\$PRF\$\$\$
 \$\$\$PEN\$\$\$
 \$\$\$USERNAME\$\$\$

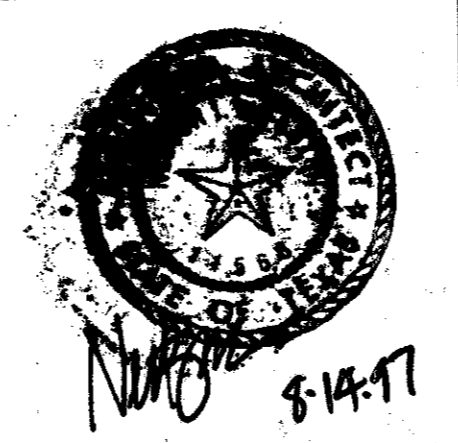


Received (As-Built) drawings and
 checked the submission, we certify that it complies with
 the requirements of the contract in all respects.
 Contract Number: 97-000736
 Drawings Name: 97-000736
 Date: 7-7-99
 Signature: Tom Kader, President



CONFORMED

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP



LAN
 Lockwood, Andrews & Newnam, Inc.
 A SUBSIDIARY OF LEO A DALY

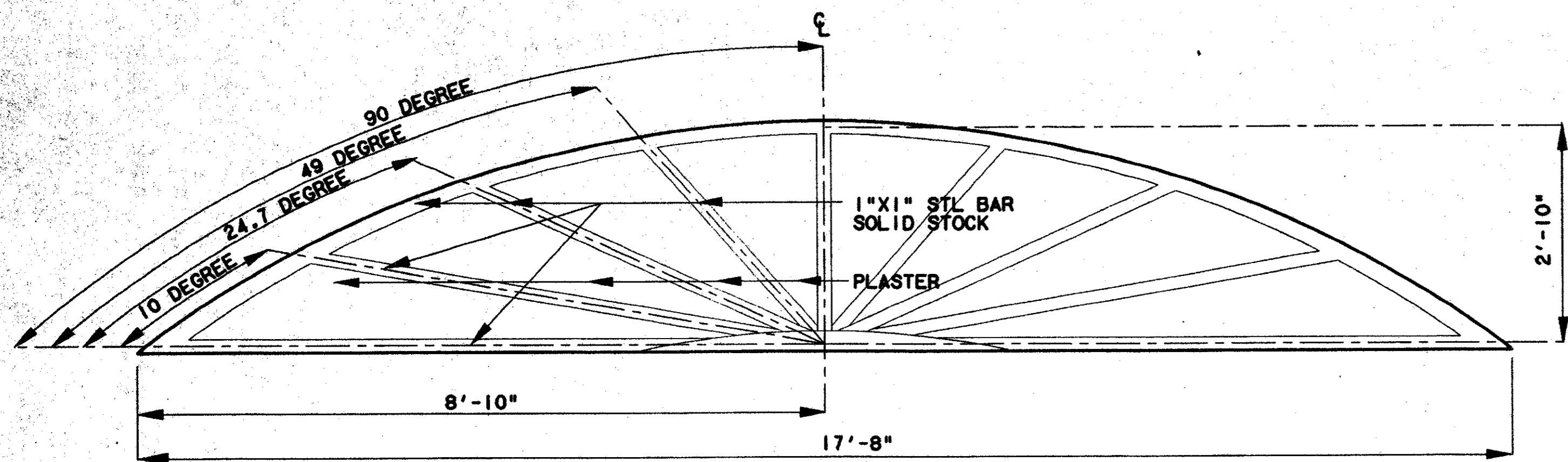
WLA
 WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 105 MARINE CENTER BLVD - SUITE 500
 DALLAS, TEXAS 75241
 (214) 748-7777

DART PROJECT

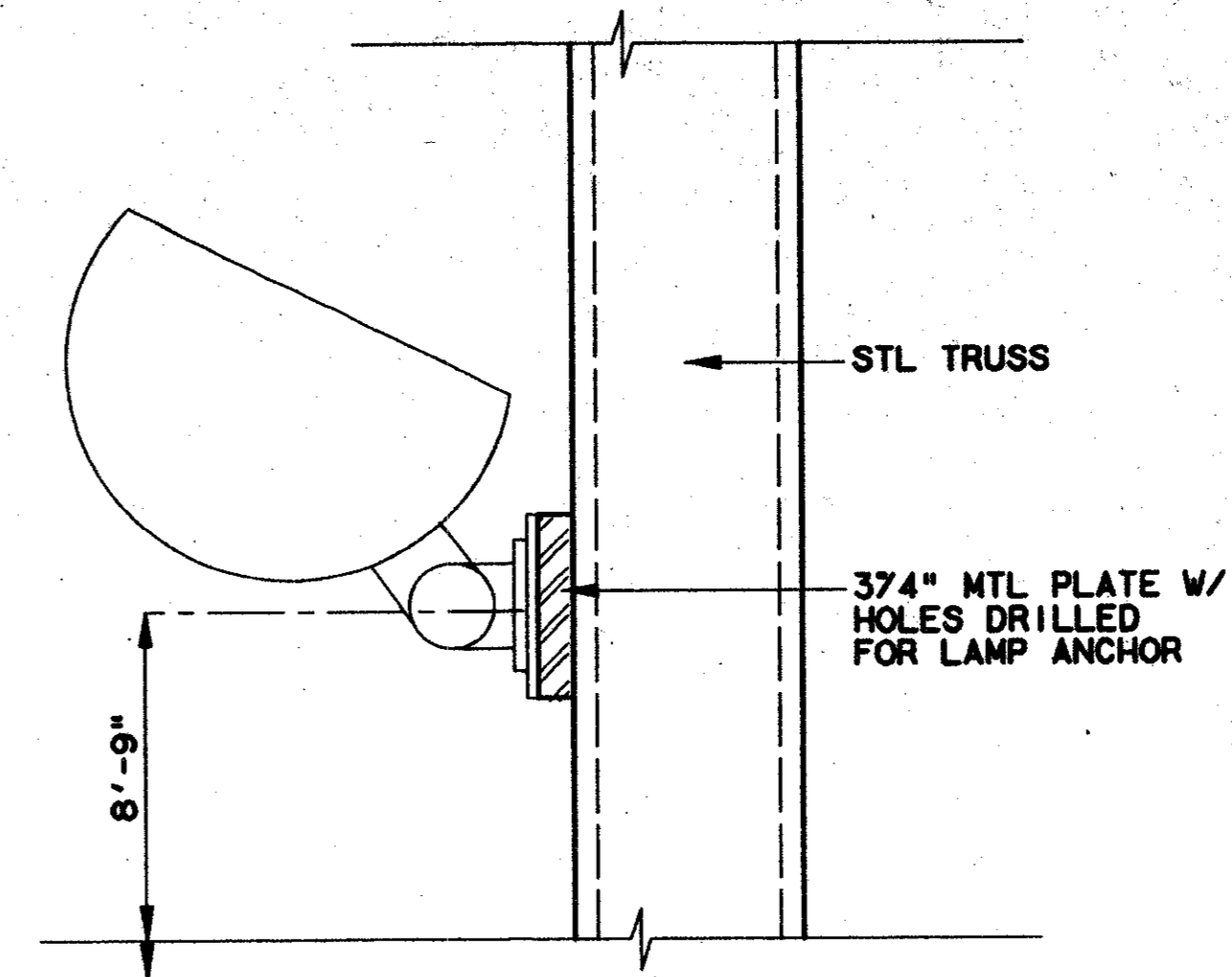
SCALE	1"=1'-0"
DRAWN	K. DEAN
DESIGNED	N. INFANZON/K. DEAN
CHECKED	N. INFANZON/RON BOLTON
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

ADDISON TRANSIT CENTER
ENCLOSURE WALL SECTIONS & DETAILS

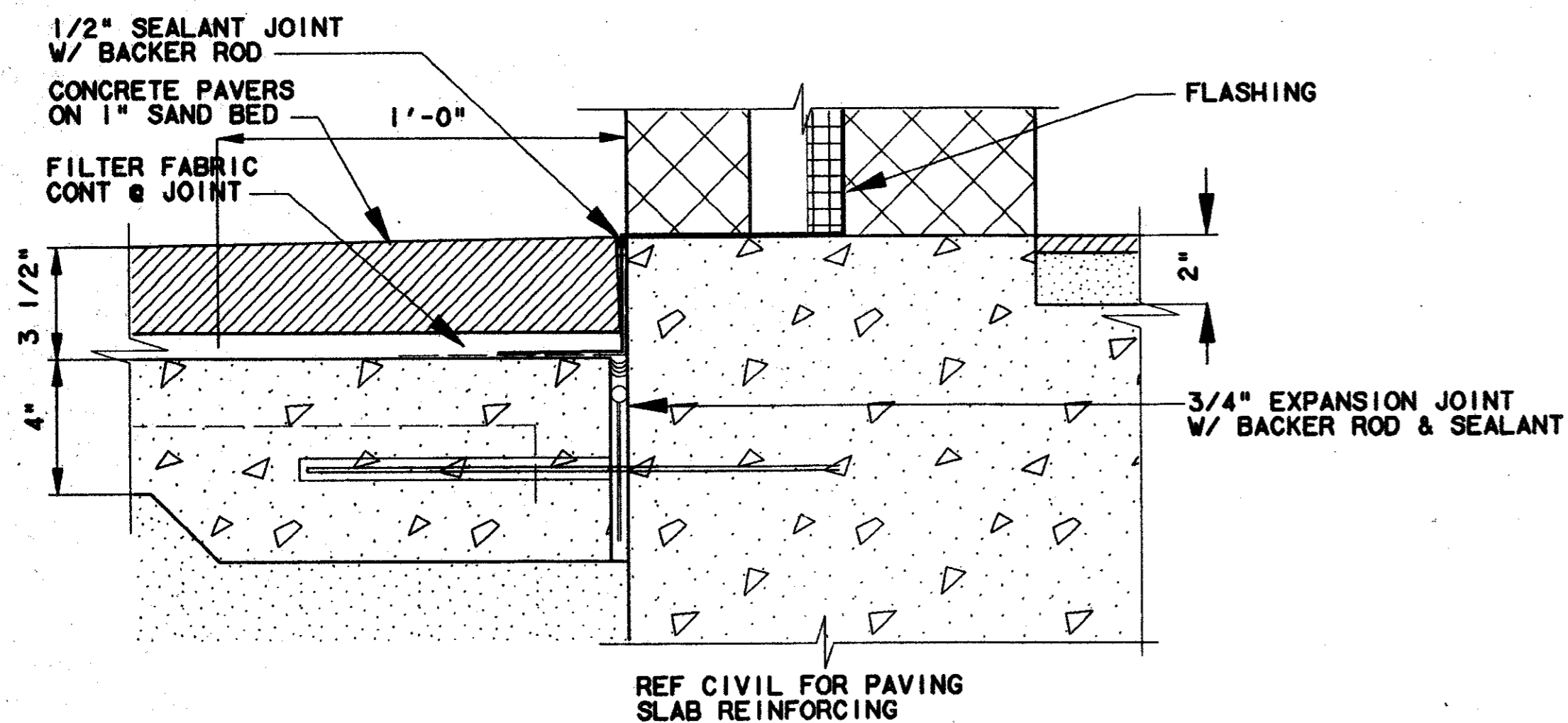
CONTRACT C-97000136 DWG No. AC2-0013 REV 0



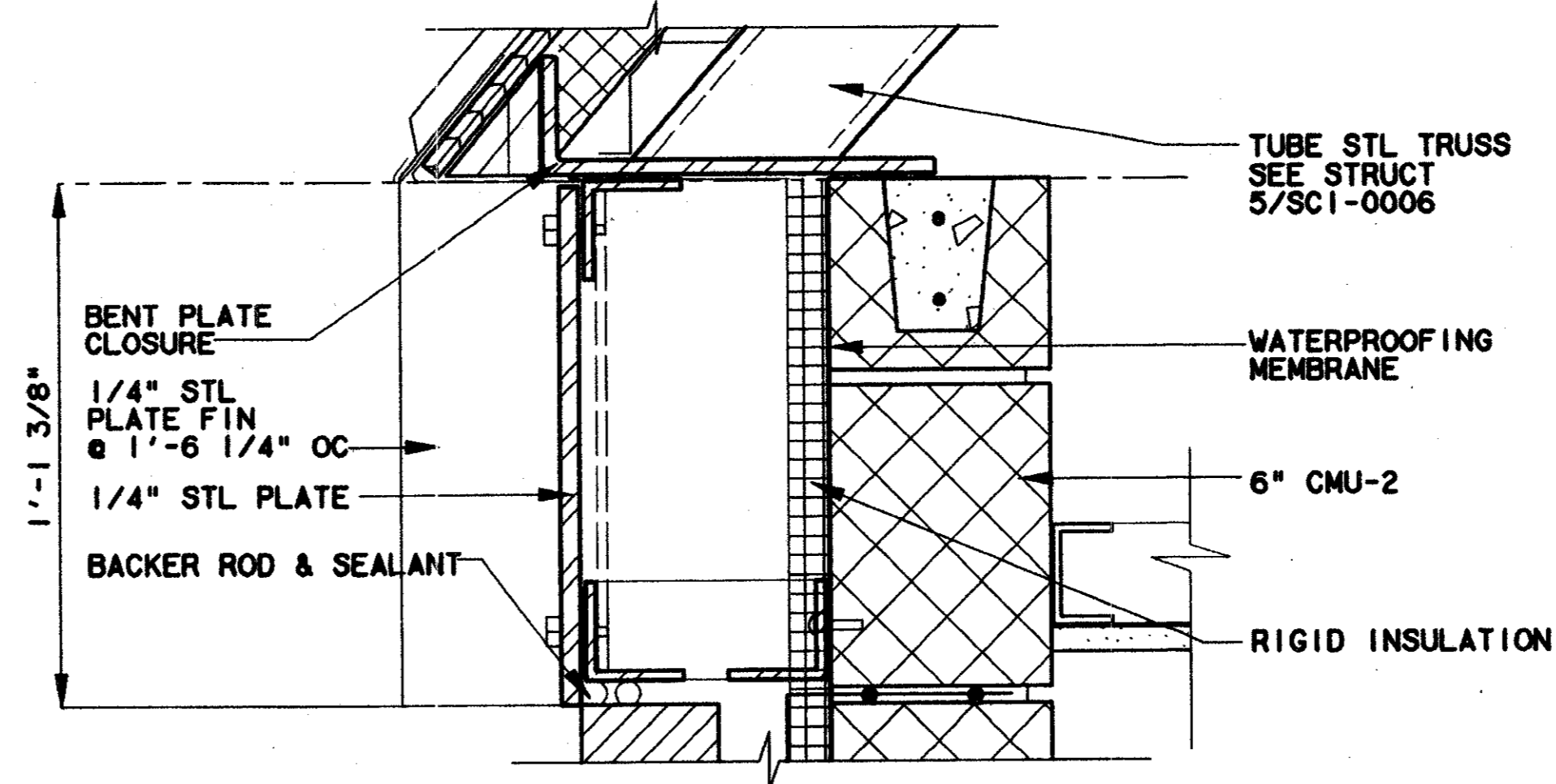
FASCIA PATTERN DETAIL 1
SCALE: 3/4"=1'-0" AC2-0007



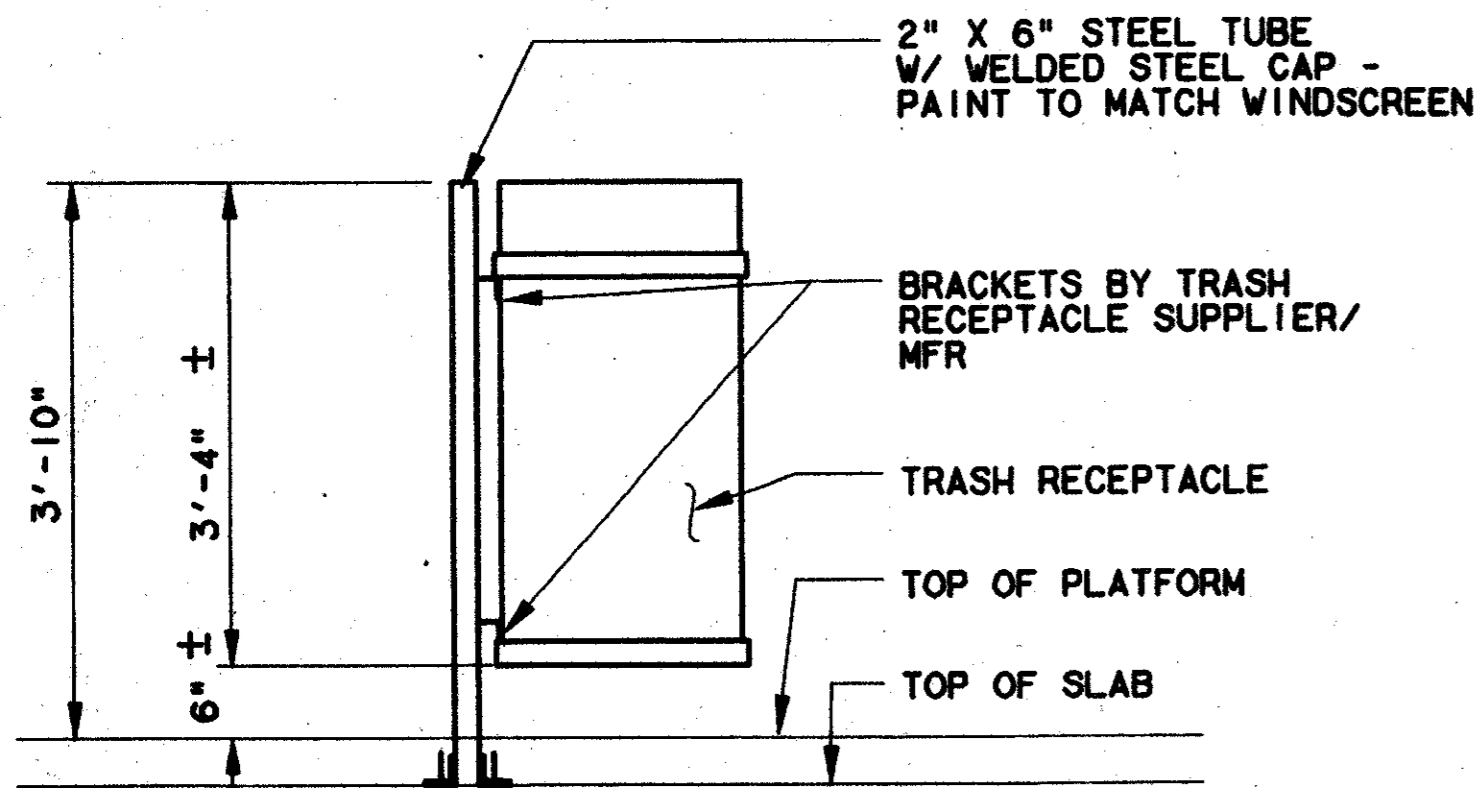
LIGHTING DETAIL 2
SCALE: 3"=1'-0" AC2-0001



DETAIL 3
SCALE: 3"=1'-0" AC2-0016

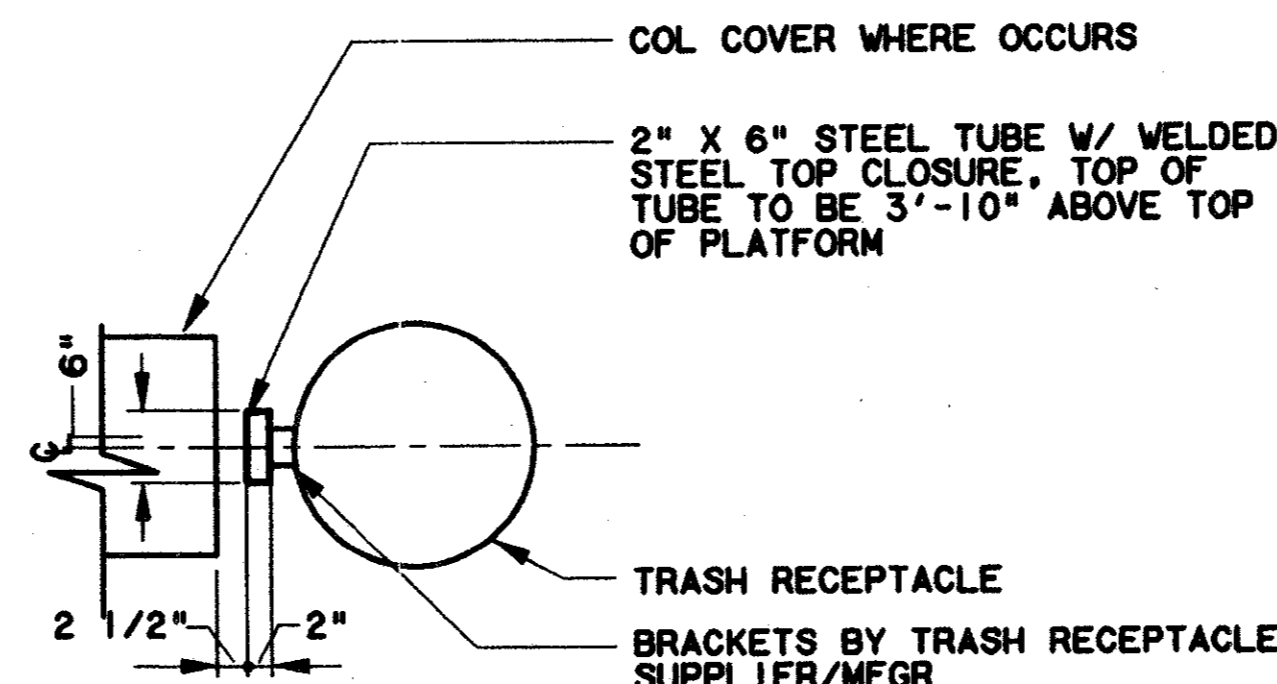


DETAIL 4
SCALE: 3"=1'-0" AC2-0016



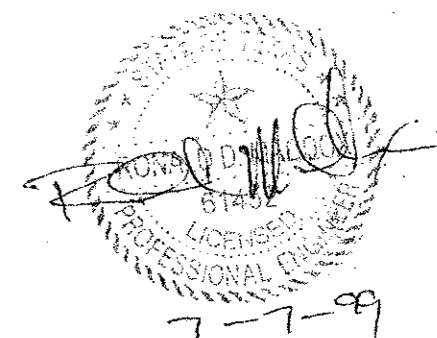
EXTERIOR TRASH RECEPTACLE ELEVATION 5
SCALE: 3"=1'-0" AC2-0015

NOTE: ANCHOR STEEL TUBE TO SLAB SIMILAR TO WINDSCREEN ATTACHMENT TO SLAB



EXTERIOR TRASH RECEPTACLE PLAN 6
SCALE: 3"=1'-0" AC2-0015

Record (As-built) Certification
Having checked this submission, we certify that it conforms to the requirements of the contract in all respects, except as otherwise indicated.
Contract Number: 97000136
Company Name: WEA
Official of Firm Signature: [Signature]
Date: 8/14/97
Title of Official: TOM KADER, PRESIDENT
Seal of Professional Engineer of Construction Commission, State of Texas
and data, the seal, being recent, is a true and correct drawing for accuracy of as-built conditions indicated herein must be placed below:

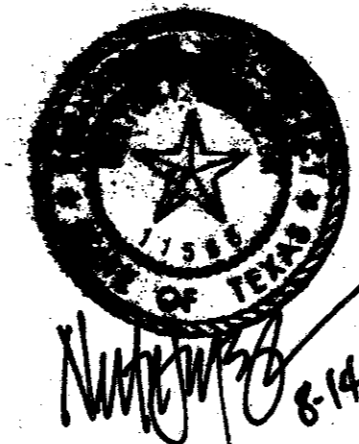


CONFORMED

CONTRACT SHEET No. 67 OF 95

ADDISON
TRANSIT CENTER
ENCLOSURE DETAILS

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



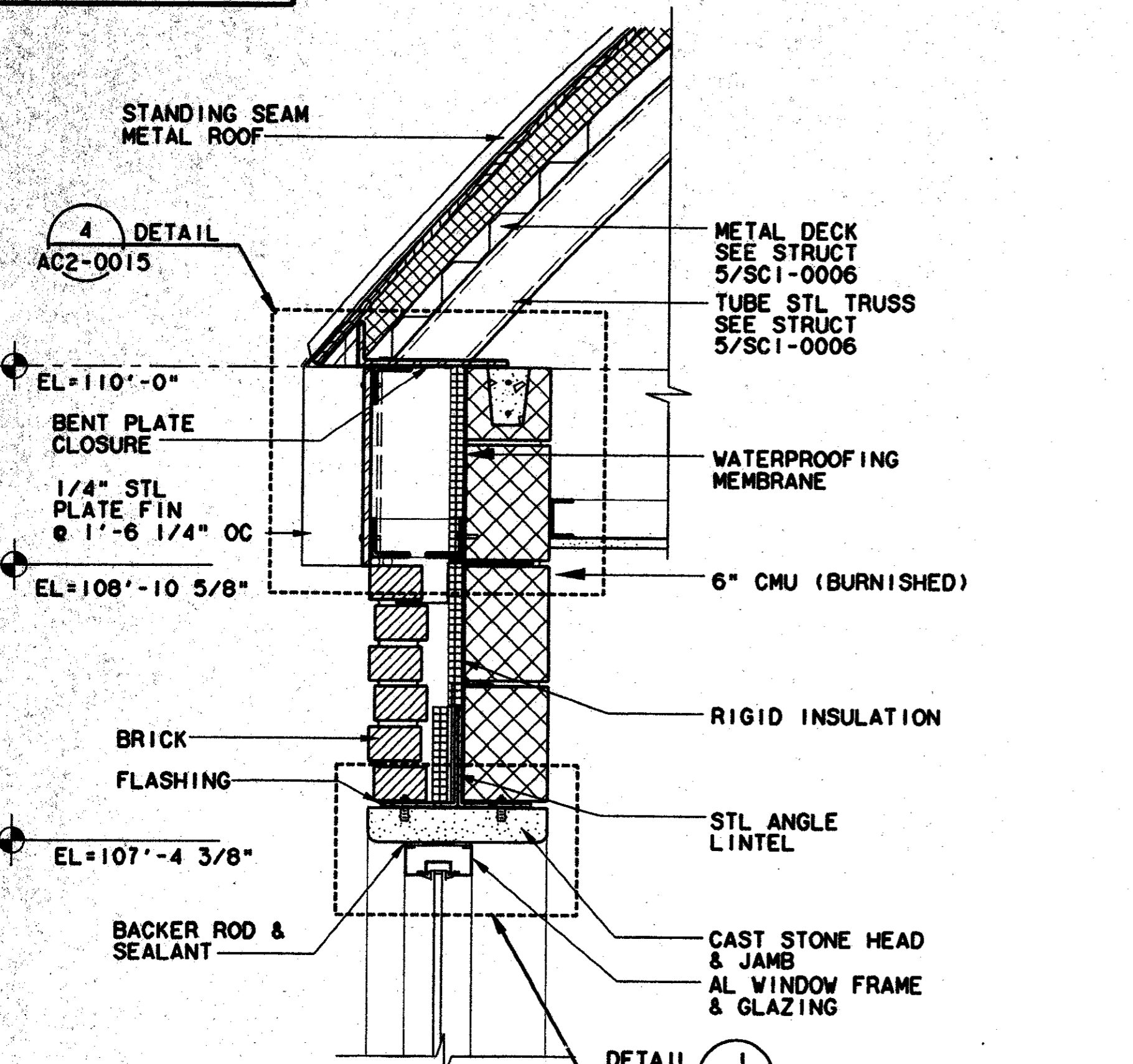
Lockwood, Andrews & Newnam, Inc.
A SUBSIDIARY OF LEO A DALY

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
805 MARSHY CENTER BLVD - SUITE 50
DALLAS, TEXAS 75207
(214) 746-7777

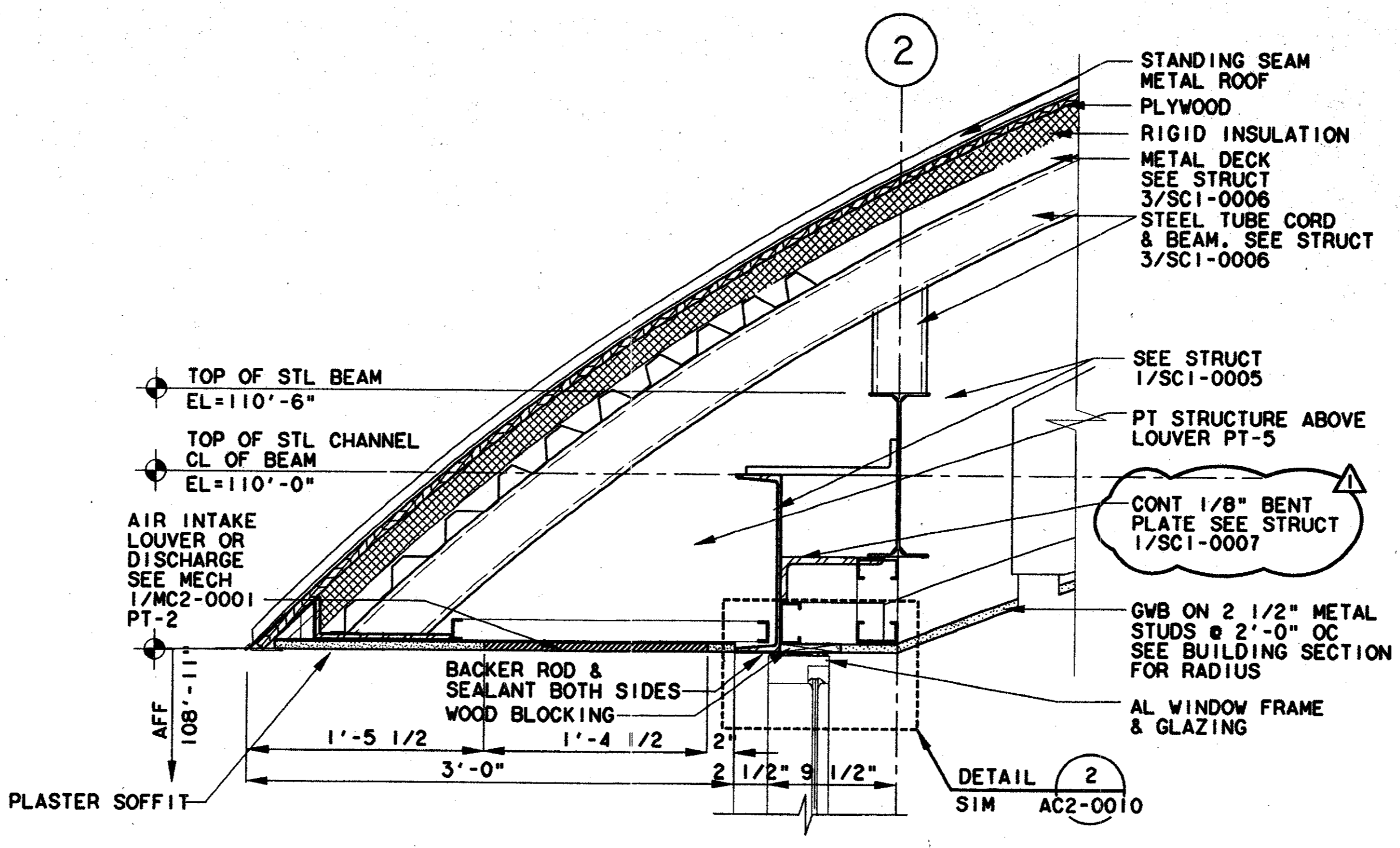
DART PROJECT

SCALE	1 1/2" = 1'-0"
DRAWN	K. DEAN
DESIGNED	N. INFANZON/K. DEAN
CHECKED	N. INFANZON/ROM BOLTON
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

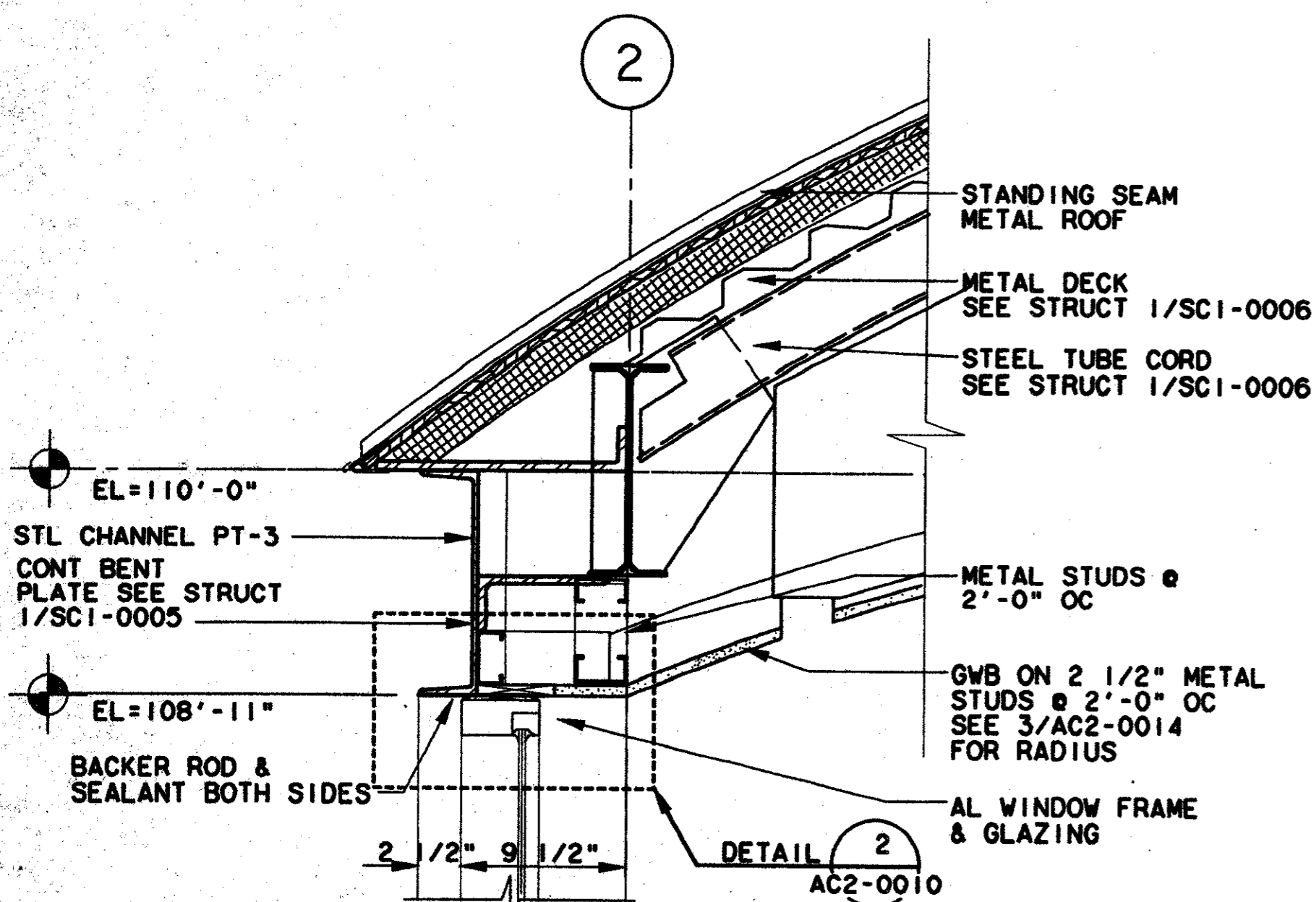
CONTRACT C-97000136 DWG No. AC2-0015 REV 0



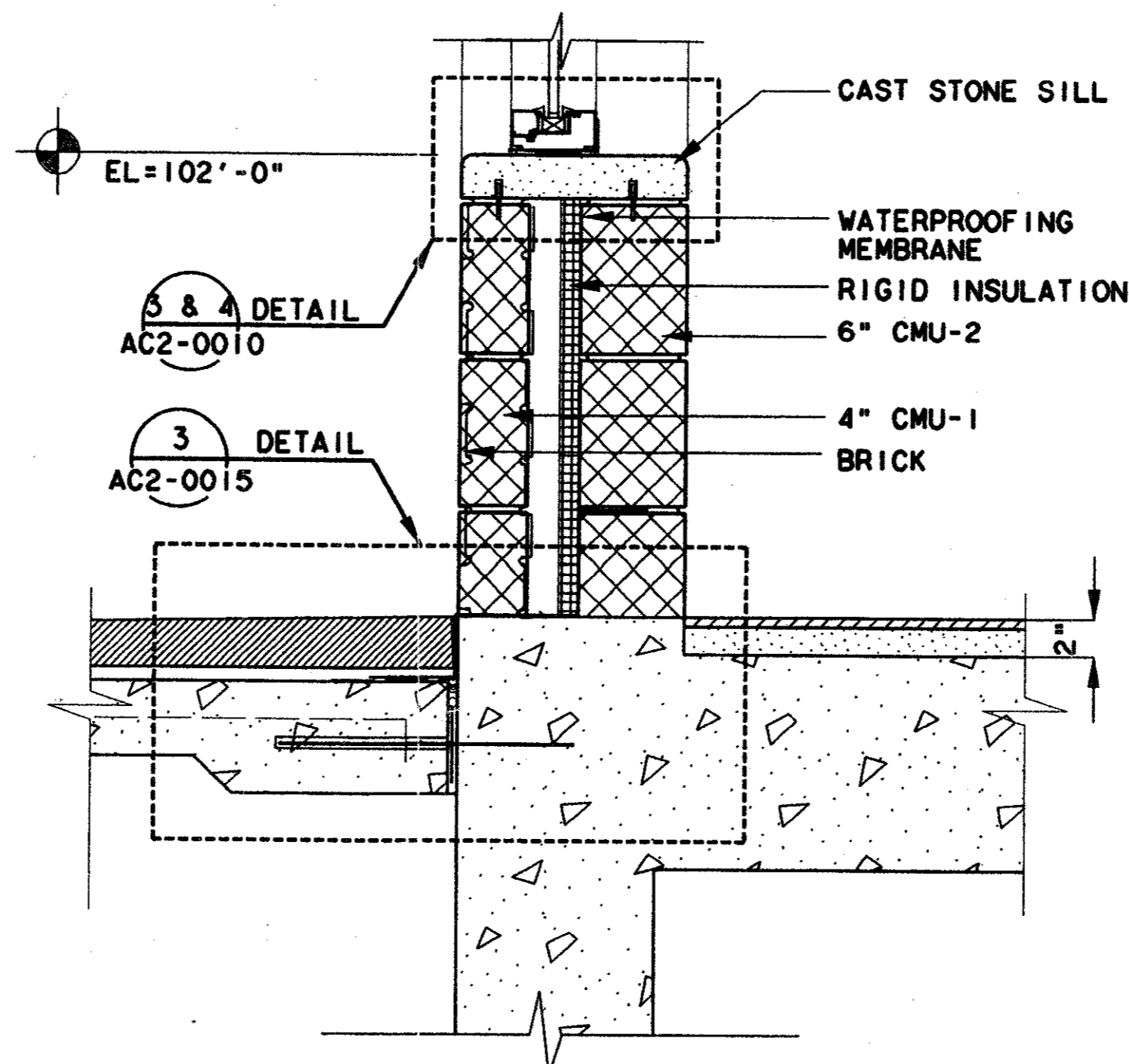
ROOF/FASCIA DETAIL 1
SCALE: 1 1/2"=1'-0"
AC2-0013



ROOF/SOFFIT DETAIL 2
SCALE: 1 1/2"=1'-0"
AC2-0013

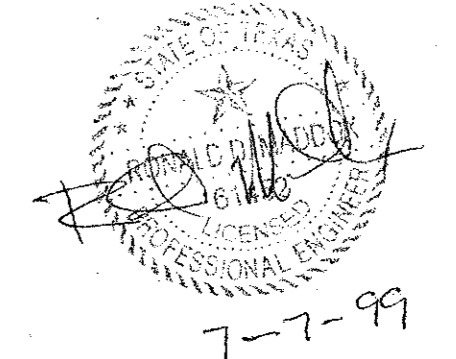


ROOF/FASCIA DETAIL 3
SCALE: 1 1/2"=1'-0"
AC2-0013



DETAIL 4
SCALE: 1 1/2"=1'-0"
AC2-0013

Record (As-built) Certification
Having checked this submission, we certify that it conforms to the requirements of the contract in all respects, except as otherwise indicated.
Contract Number: 97000136
Company Name: [Signature]
Title: [Signature]
Title of Firm (Name typed): TEM KADER
Title of Officer (Name typed): PRESIDENT
Seal of Engineer and Engineer of Construction Contractors, including signature and date, thereon, sealing toward (as-built) drawings for accuracy of as-built condition reflected herein, must be placed below.



CONFORMED

CONTRACT SHEET No. 68 OF 95

**ADDISON
TRANSIT CENTER
ENCLOSURE DETAILS**

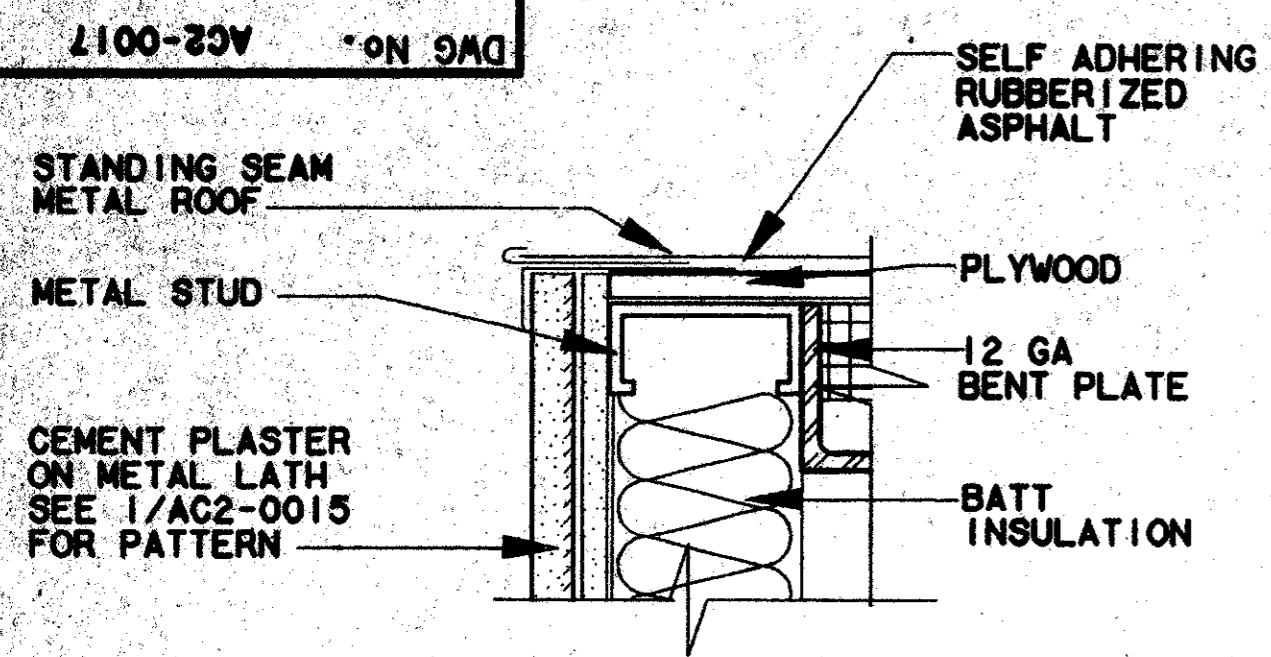
REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
Δ	4/21/98	REVISE 1/2" TO 1/8"	DC	MS	TJS	NI							
Δ													
Δ													
Δ													
Δ													
Δ													

LAN
Lockwood, Andrews & Newnam, Inc.
A SUBSIDIARY OF LEO A DALY

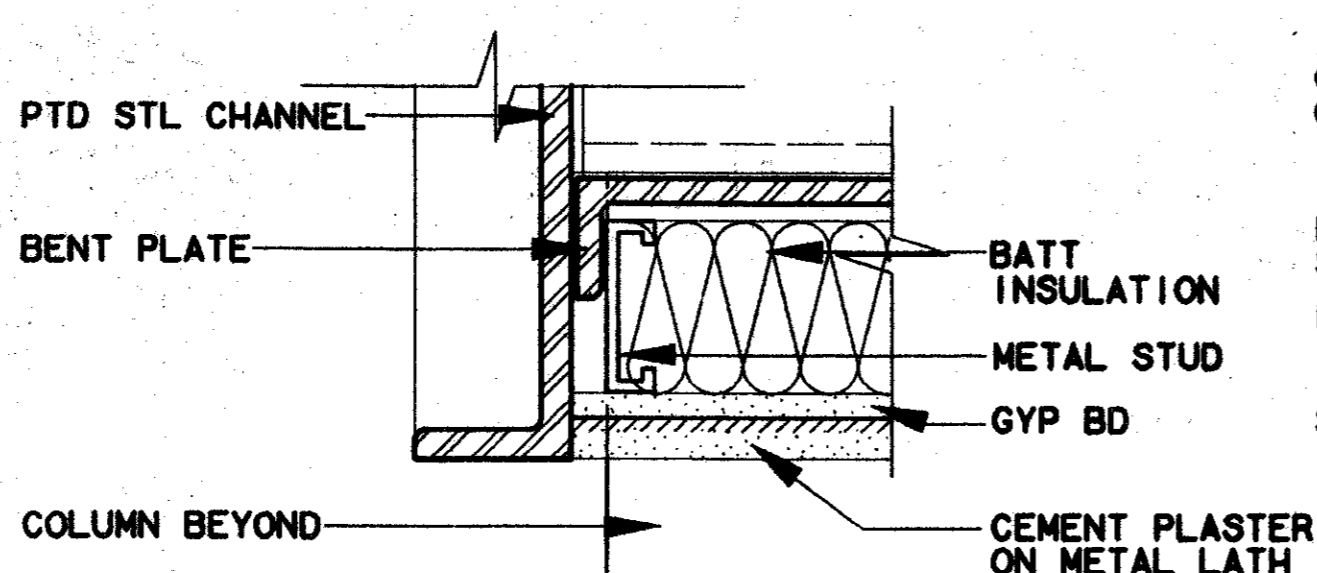
WA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
123 MARKET CENTER BLVD - SUITE 500
DALLAS, TEXAS 75207
(214) 746-7777

DART PROJECT

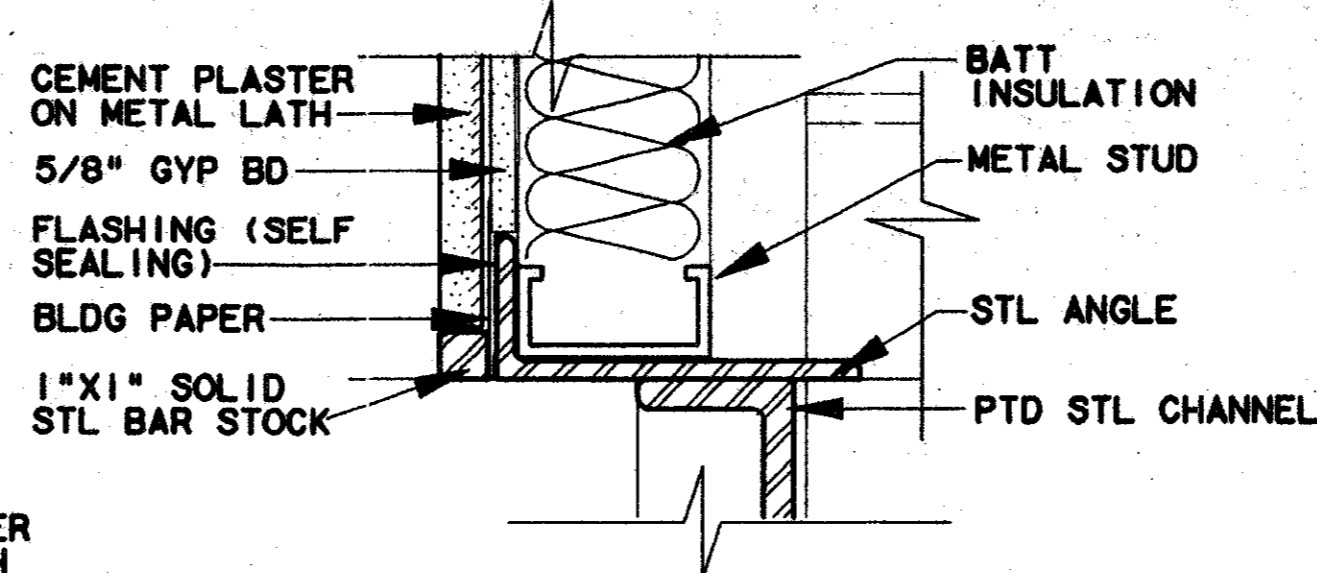
SCALE	1 1/2" = 1'-0"
DRAWN	
DESIGNED	
CHECKED	
IN CHARGE	V. STEVENS
DATE	AUG. 1997



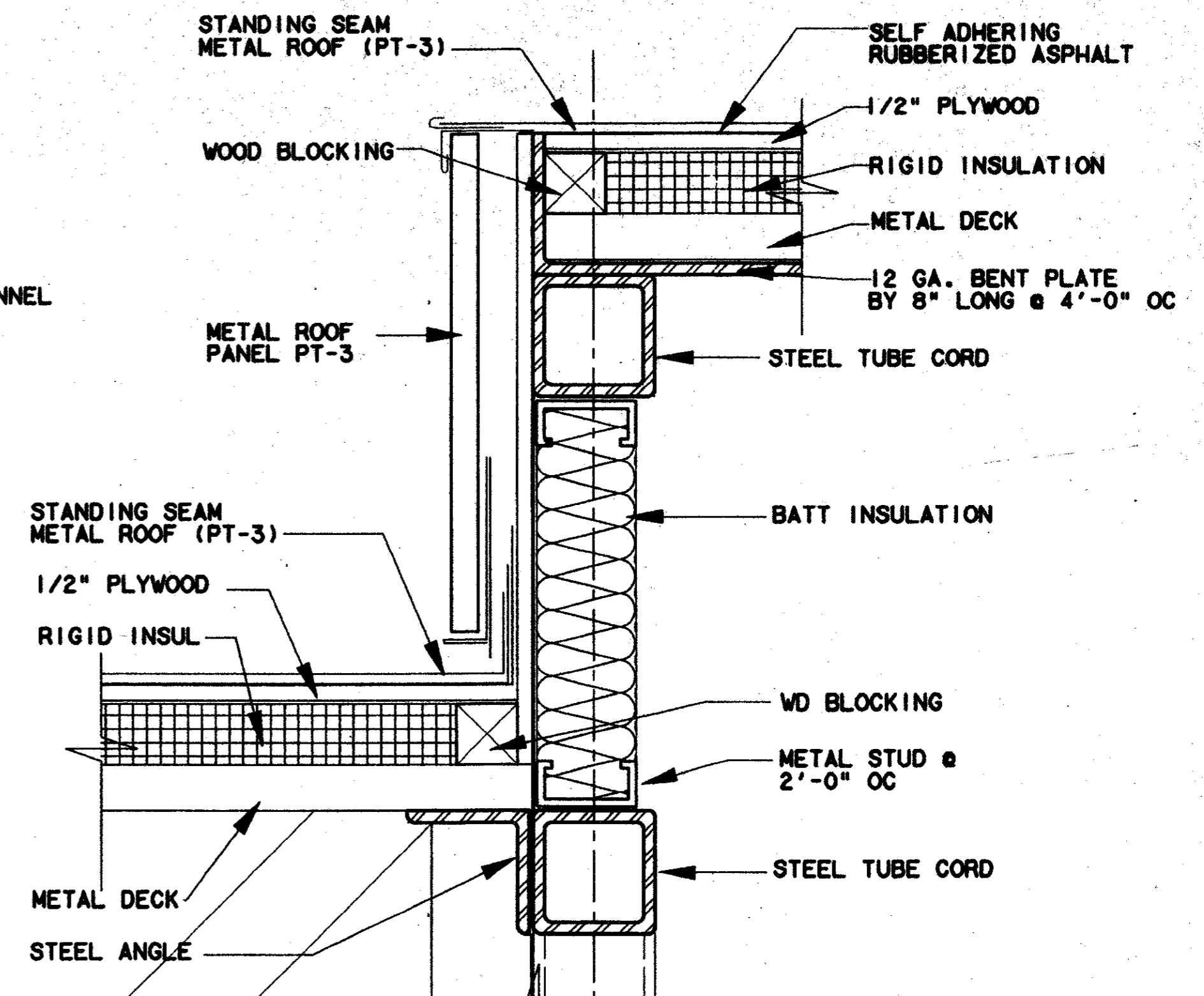
ROOF/FASCIA DETAIL 1
SCALE: 3"=1'-0"
AC2-0009



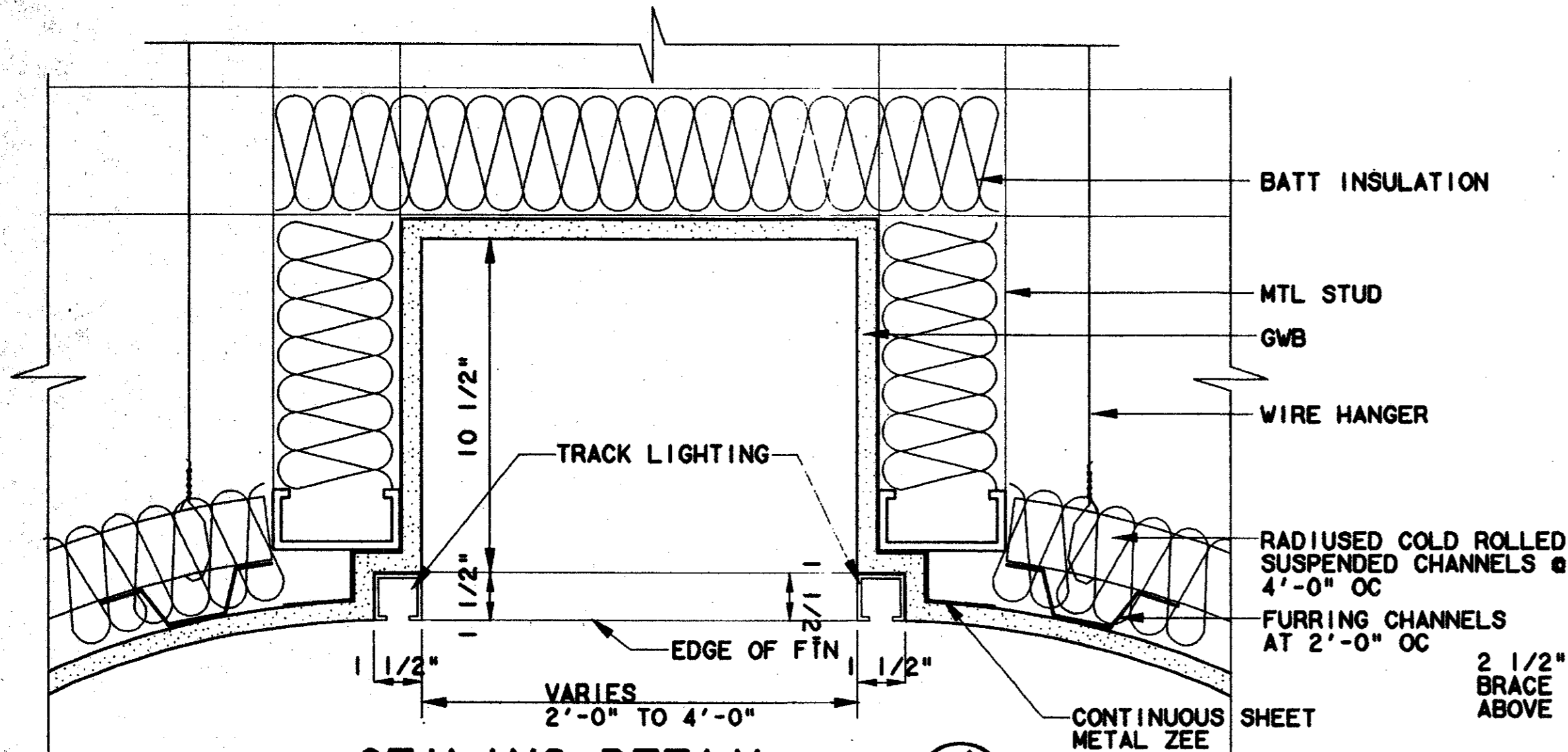
CHANNEL DETAIL 2
SCALE: 3"=1'-0"
AC2-0009



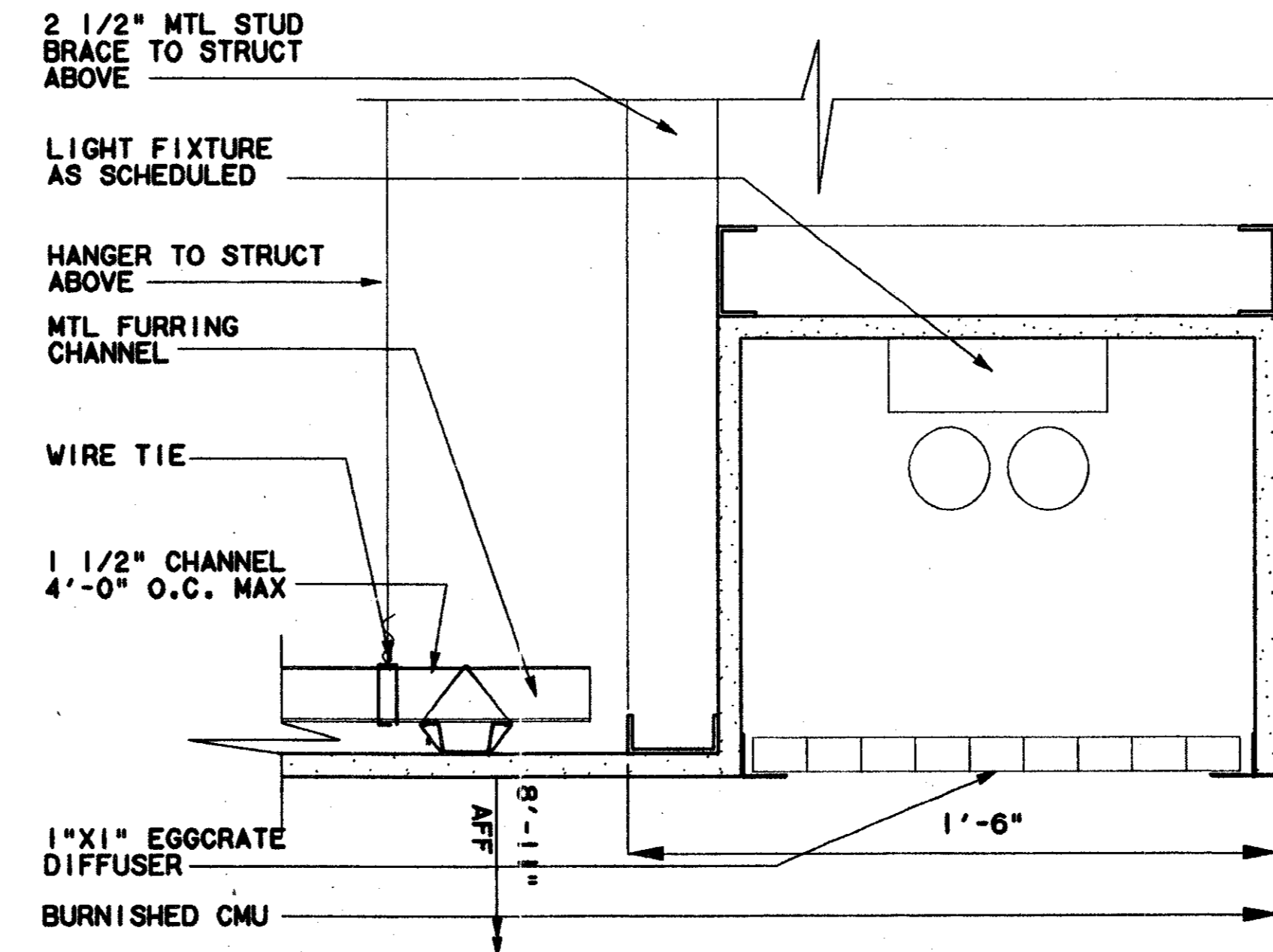
CHANNEL DETAIL 3
SCALE: 3"=1'-0"
AC2-0009



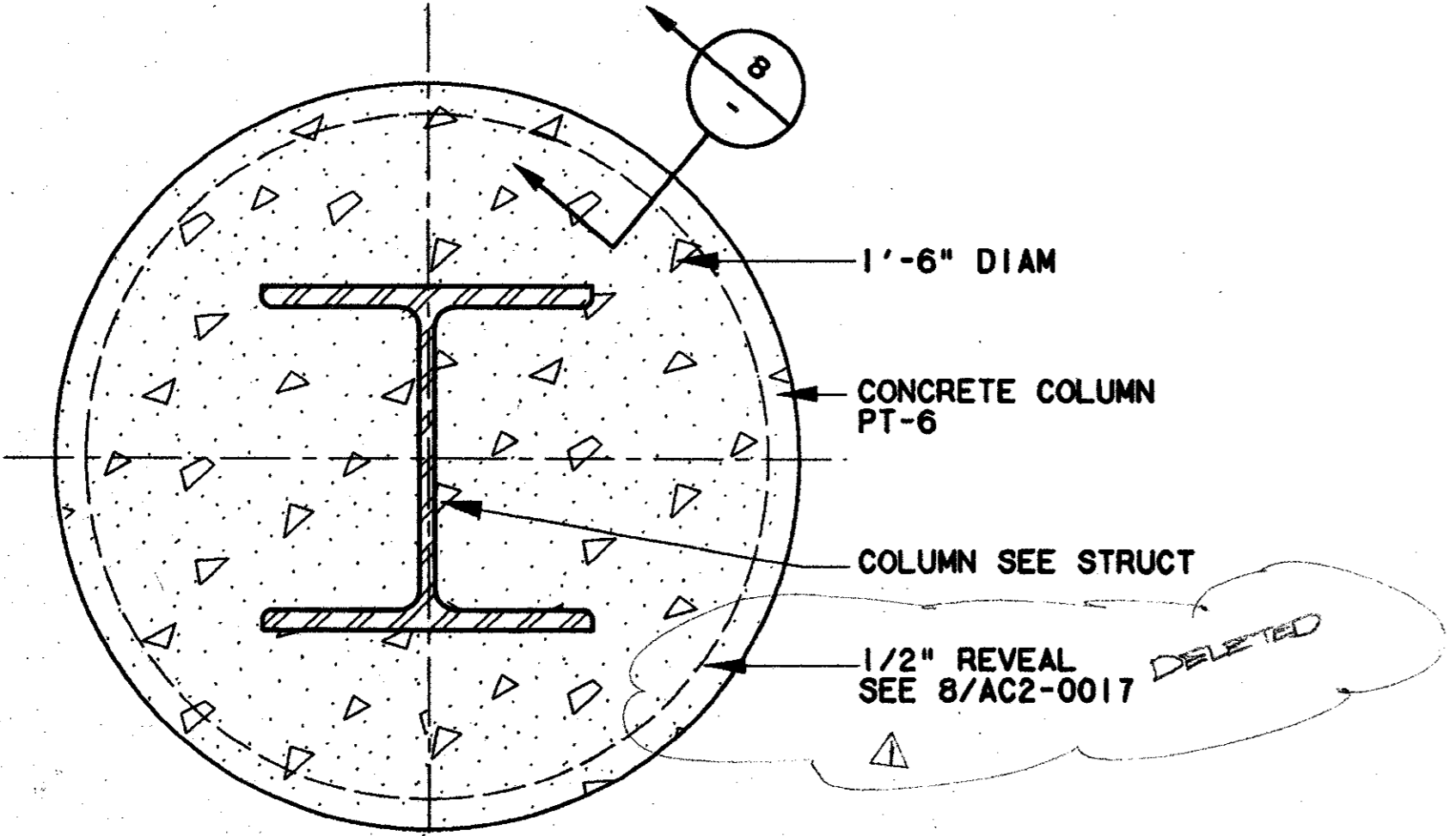
ROOF/FASCIA DETAIL 5
SCALE: 3"=1'-0"
AC2-0009



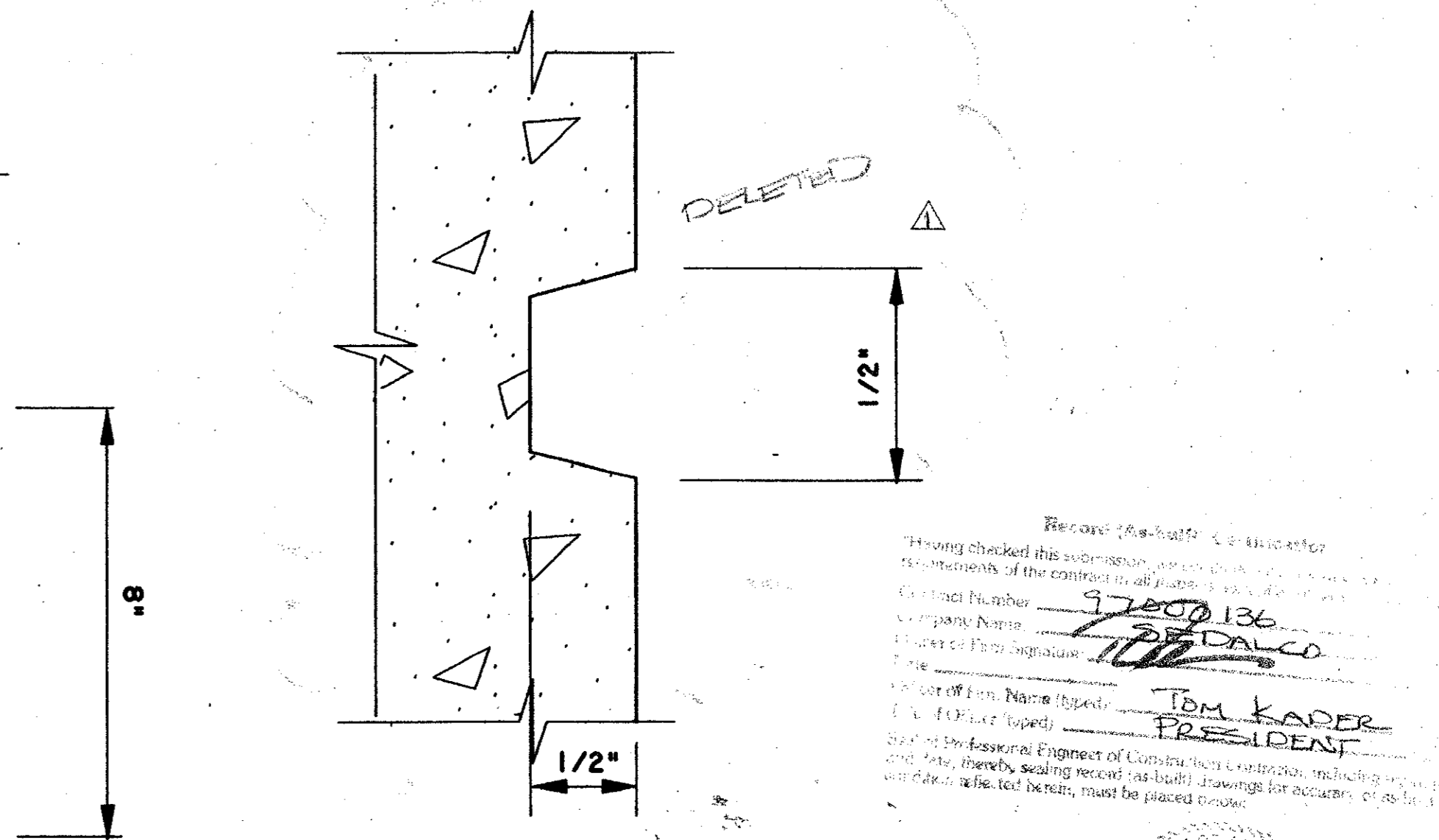
CEILING DETAIL 4
SCALE: 3"=1'-0"
AC2-0009 & AC2-0014



LIGHT COVE DETAIL 7
SCALE: 3"=1'-0"
AC2-0006 & AC2-0012



COLUMN DETAIL 6
SCALE: 3"=1'-0"
AC2-0004



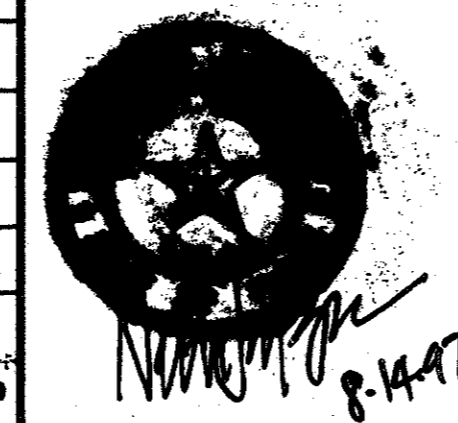
REVEAL DETAIL 8
NOT TO SCALE

Having checked this submission, I hereby certify that the same conforms to the requirements of the contract and all applicable laws and regulations.
 Contract Number: 9700136
 Company Name: DARTALCO
 Name of Professional: TOM KADER, PRESIDENT
 Title: Professional Engineer of Architecture
 State: TEXAS
 License No.: 10111
 Date: 7-7-99

CONFORMED

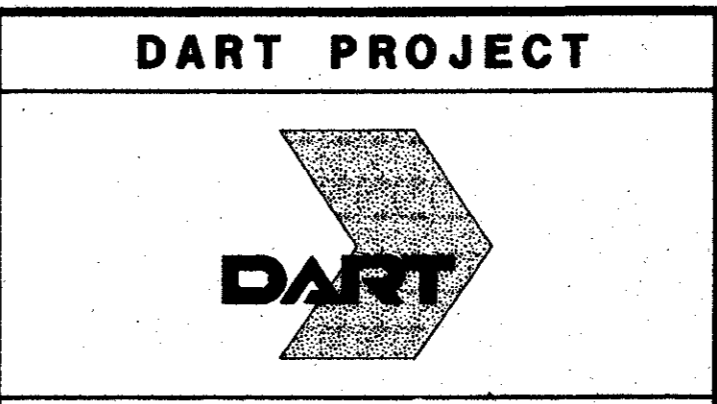
CONTRACT SHEET No. 69 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
1	8/20/99	RECORD AS BUILT SUBMITTAL	SPM										



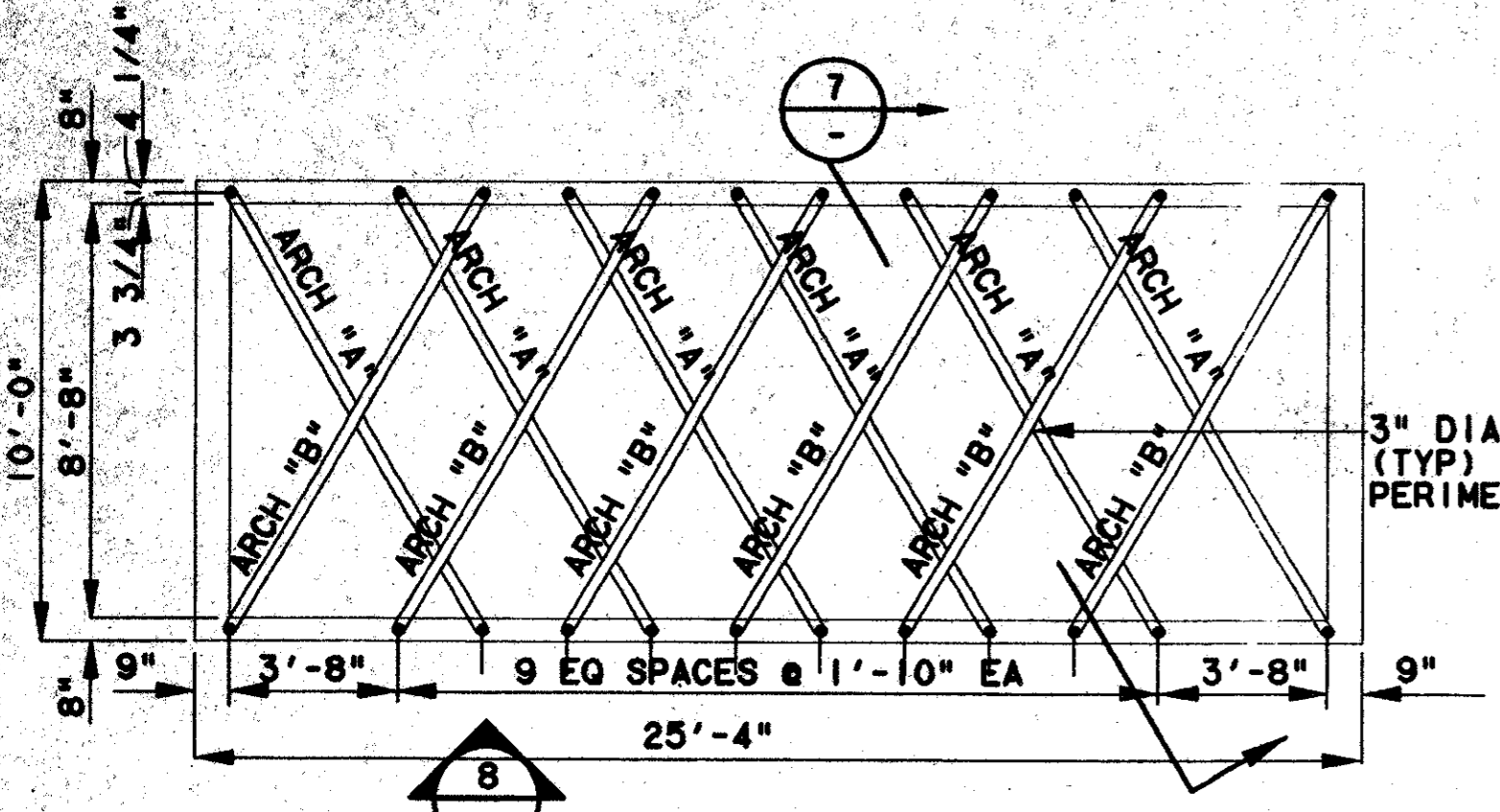
LAN
Lockwood, Andrews & Newnam, Inc.
A SUBSIDIARY OF LEO A DALY

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
305 MARKET CENTER BLVD - SUITE 510
DALLAS, TEXAS 75201
(214) 748-7777

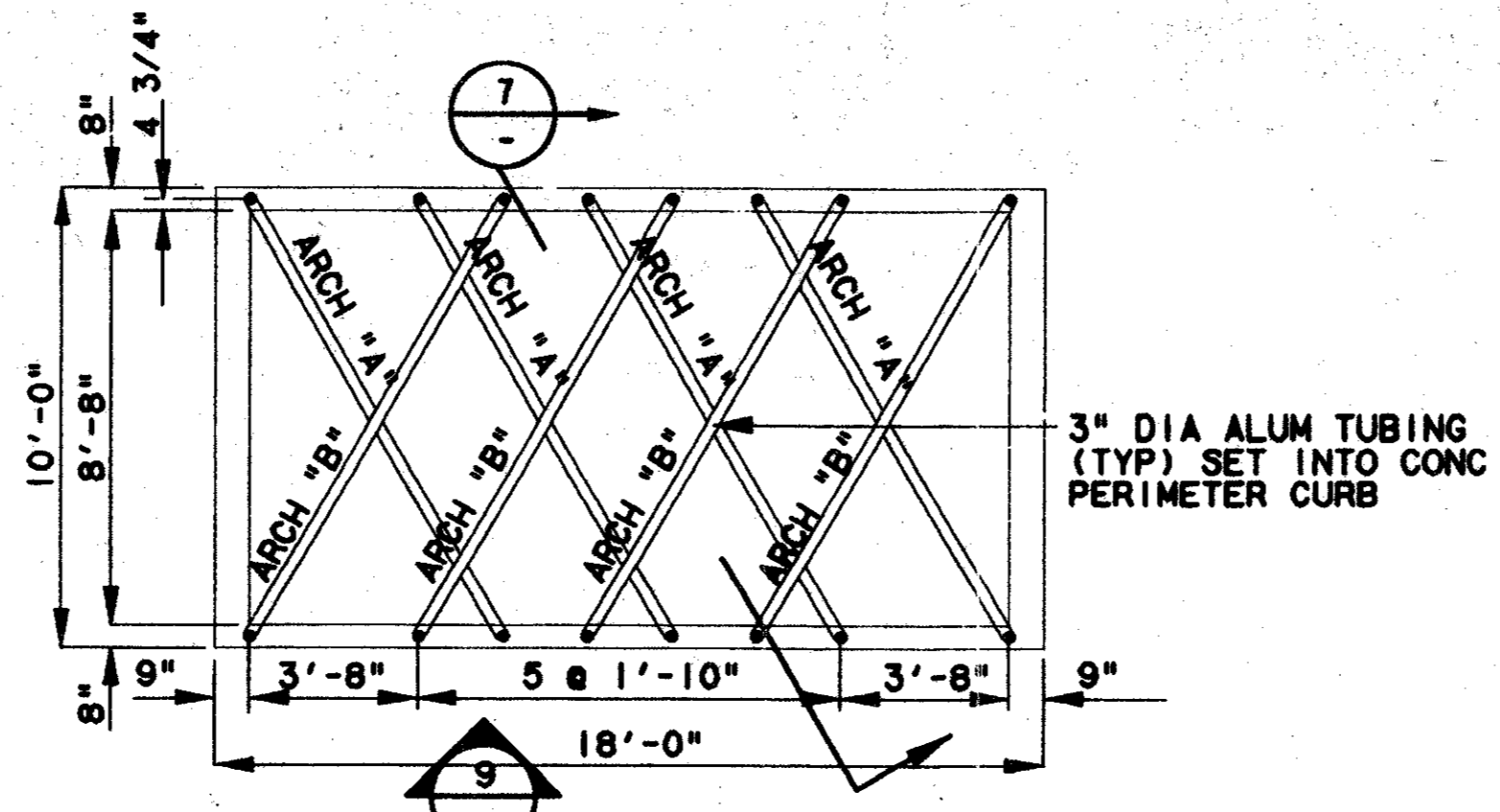


SCALE VARIES
 DRAWN K. DEAN
 DESIGNED W. INFANZON/K. DEAN
 CHECKED W. INFANZON/RON BOLTON
 IN CHARGE V. STEVENS
 DATE 14 AUGUST 97

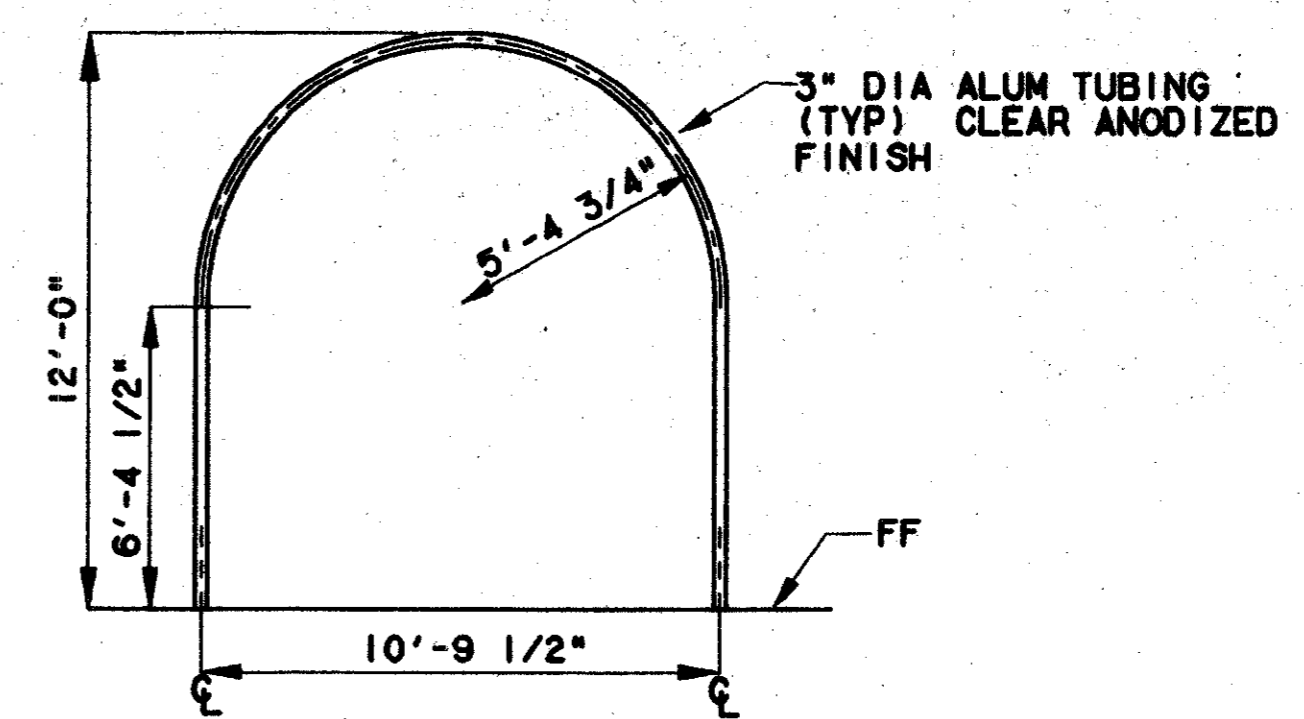
ADDISON TRANSIT CENTER ENCLOSURE DETAILS
 CONTRACT C-97000136
 DWG No. AC2-0017
 REV 01



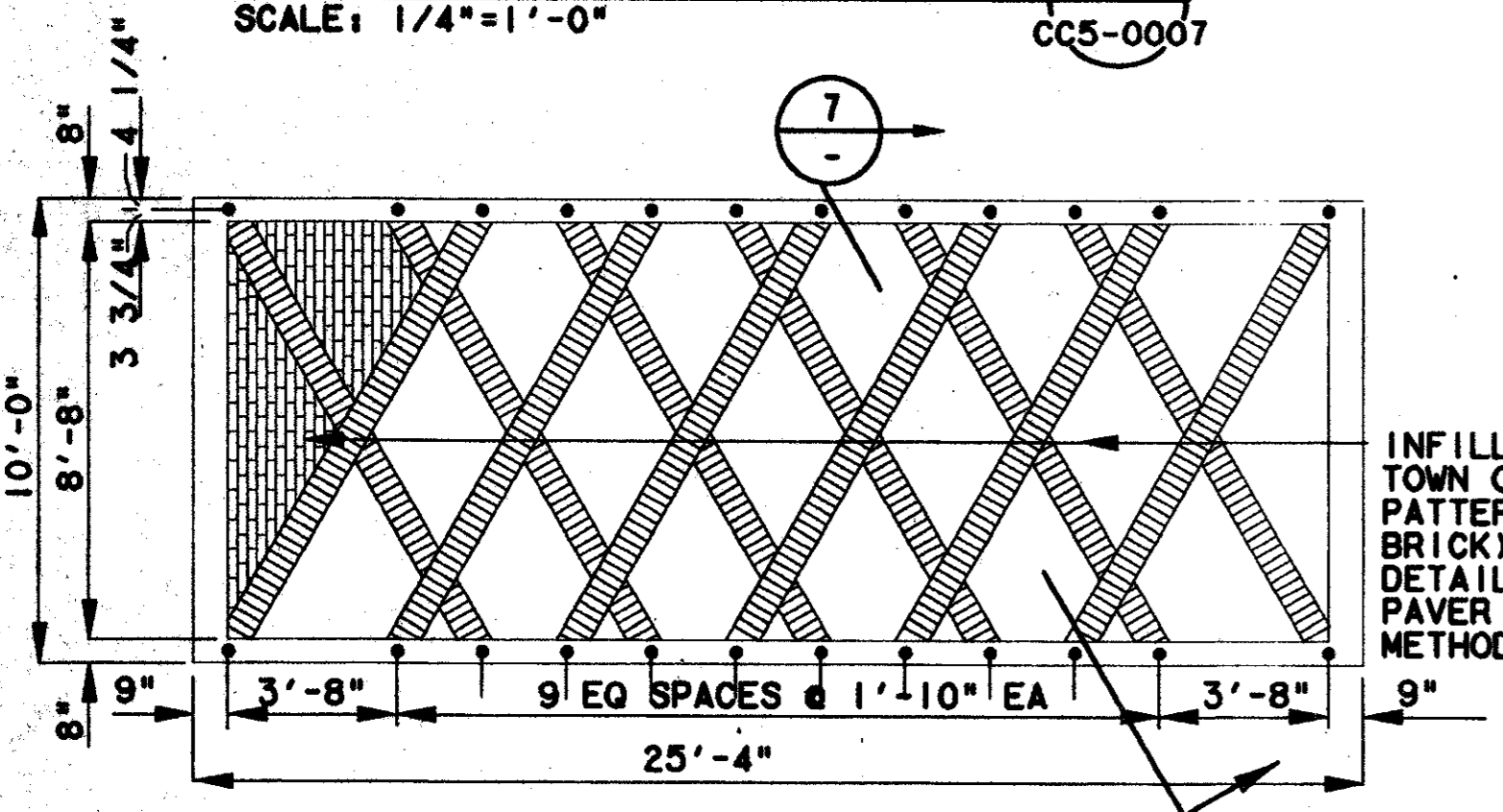
LARGE ARBOR PLAN (1)
SCALE: 1/4"=1'-0"
CC5-0007



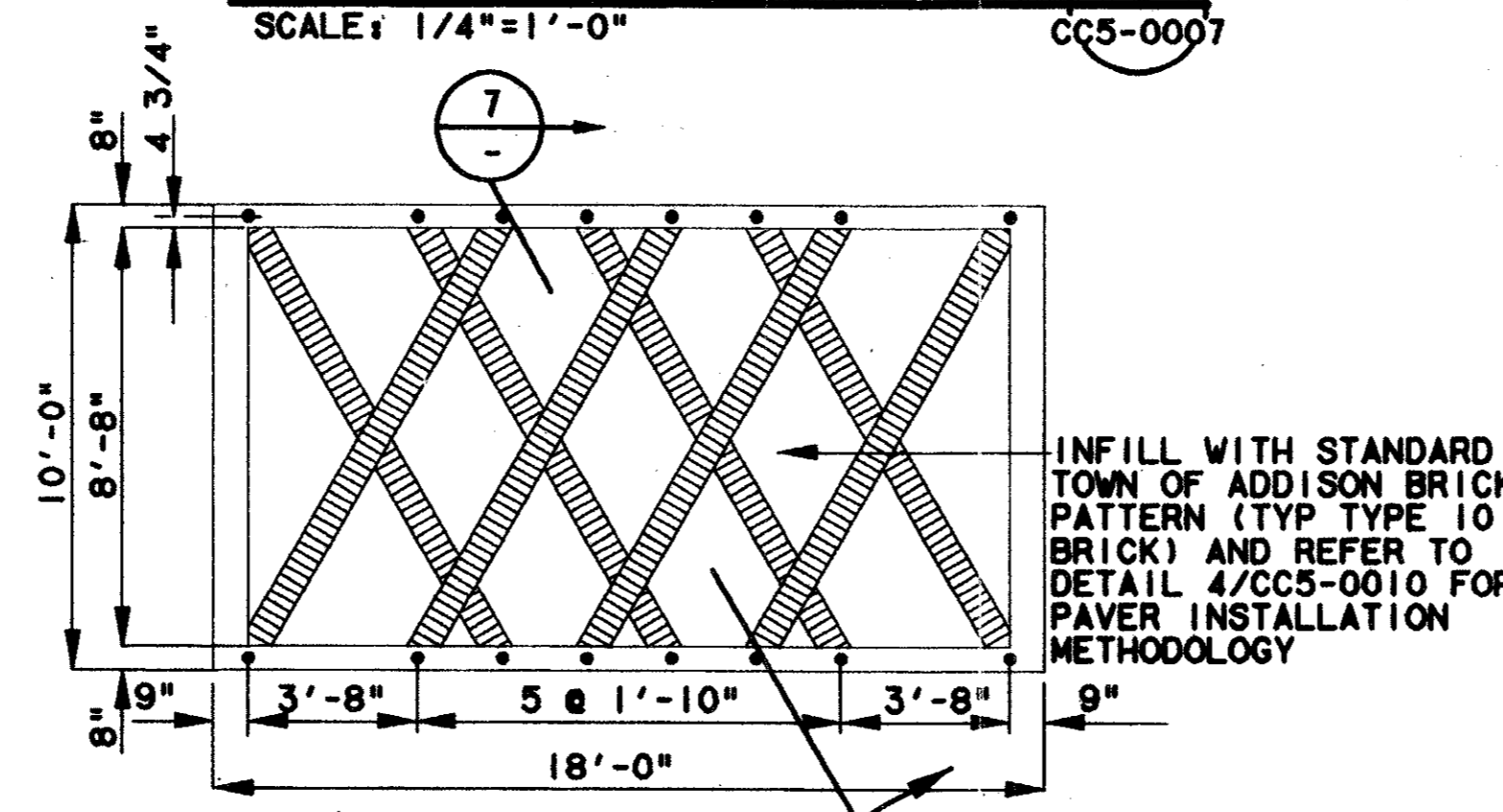
SMALL ARBOR PLAN (2)
SCALE: 1/4"=1'-0"
CC5-0007



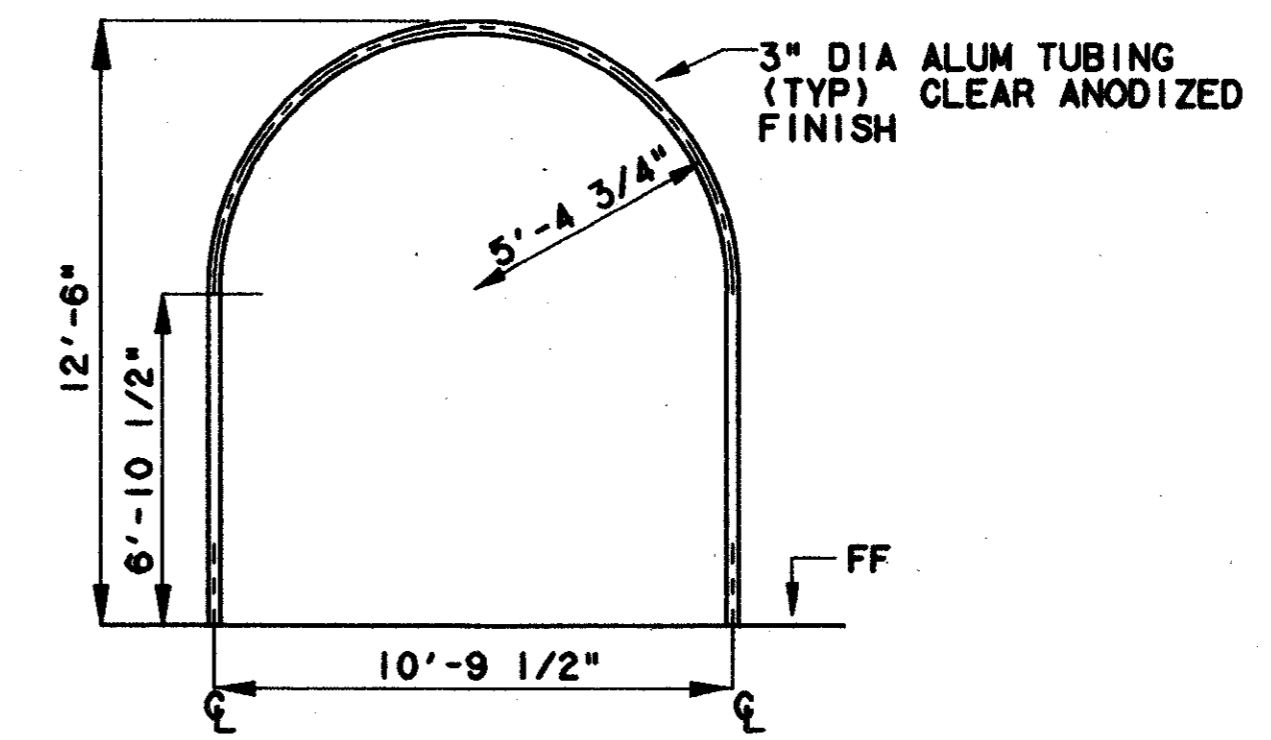
ARCH "A" ELEVATION (3)
SCALE: 1/4"=1'-0"



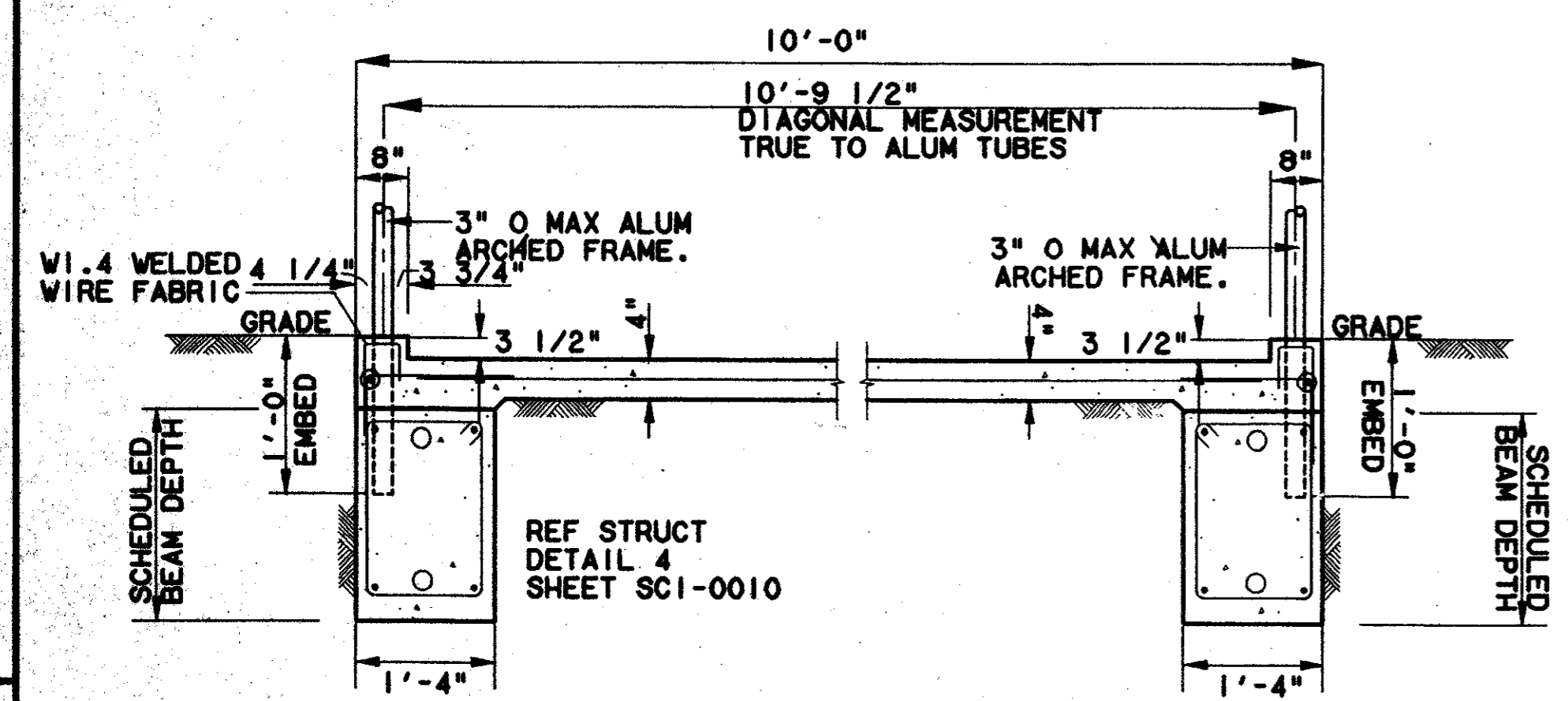
LARGE PAVING PLAN (4)
SCALE: 1/4"=1'-0"



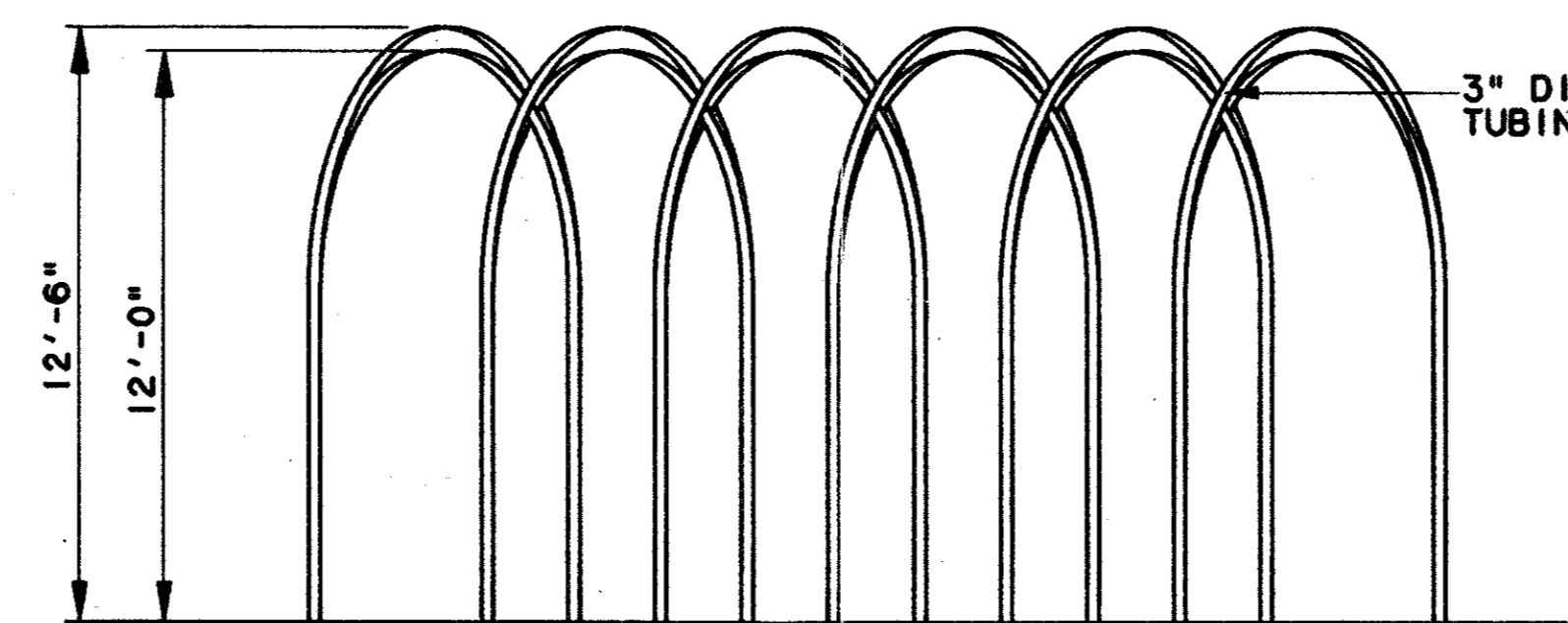
SMALL PAVING PLAN (5)
SCALE: 1/4"=1'-0"



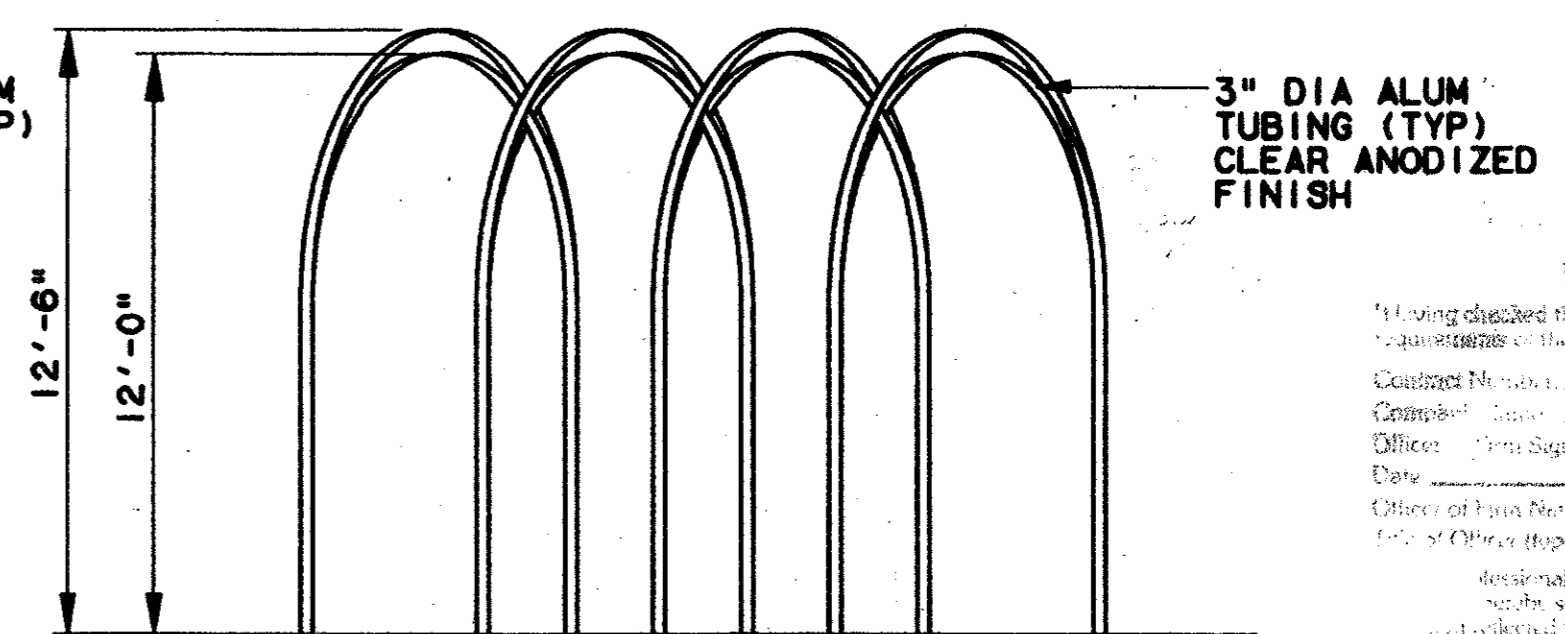
ARCH "B" ELEVATION (6)
SCALE: 1/4"=1'-0"



ARBOR SUPPORT DETAIL (7)
SCALE: 1/2"=1'-0"

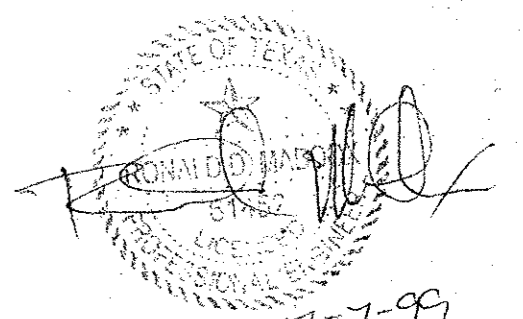


LARGE SIDE ELEVATION (8)
SCALE: 1/4"=1'-0"



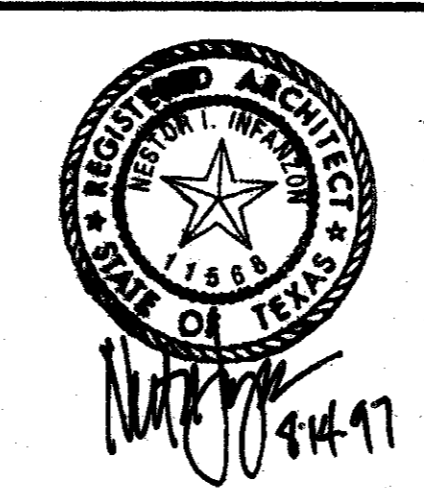
SMALL SIDE ELEVATION (9)
SCALE: 1/4"=1'-0"

Having disclosed this...
 97000136
 TOM KADER
 PRESIDENT



CONFORMED

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



LAN
 Lockwood, Andrews & Newnam, Inc.
 A SUBSIDIARY OF LEO A DALY

WLA
 WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 105 MARKET CENTER BLVD - SUITE 510
 DALLAS, TEXAS 75207
 (214) 741-7777

DART PROJECT

SCALE	1/4"=1'-0"
DRAWN	K. DEAN
DESIGNED	N. INFANZON/K. DEAN
CHECKED	N. INFANZON/RON BOLTON
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

CONTRACT SHEET No. 71 OF 95

ADDISON TRANSIT CENTER

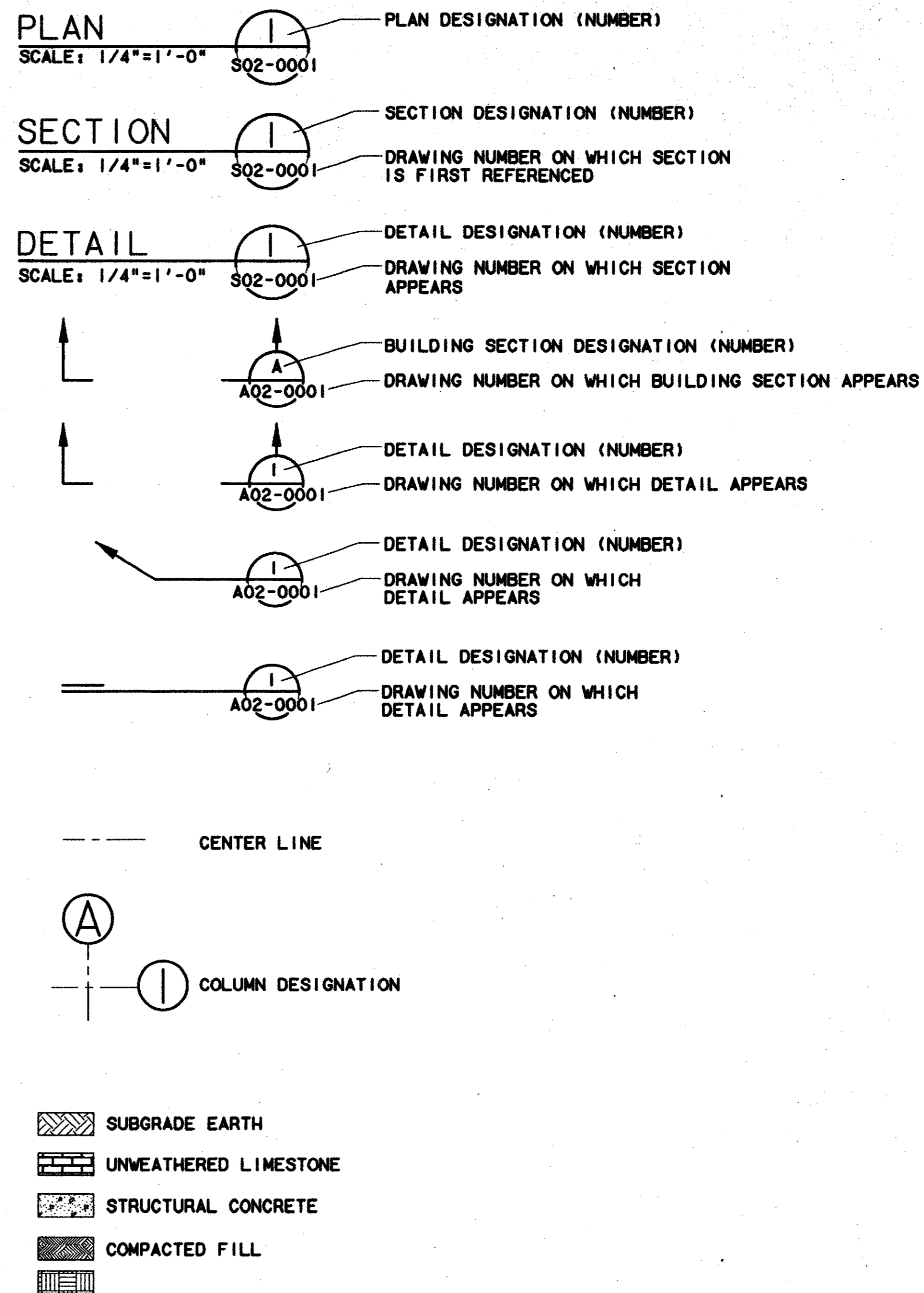
ARBOR PLANS & ELEVATIONS

CONTRACT C-97000136 DWG No. AC9-0002 REV 0

ABBREVIATIONS

A	AREA	LSG	LONE STAR GAS
ABUT	ABUTMENT	LVC	LENGTH OF VERTICAL CURVE
AC	ACRE	M	MINUTES
ADA	AMERICANS WITH DISABILITIES ACT	MAX	MAXIMUM
A/G	AT GRADE	MH	MANHOLE
AHD	AHEAD	MIN	MINIMUM
ALT	ALTERNATE	N	NORTH
ASPH	ASPHALT	NB	NORTHBOUND
ATSF	ATCHISON, TOPEKA & SANTE FE RAILWAY CO	NTS	NOT TO SCALE
AVE	AVENUE	OC	ON CENTER
B/B	BACK TO BACK	OCEW	ON CENTER EACH WAY
B/C	BACK OF CURB	OH	OVERHEAD
BH	BORED HOLE	PC	POINT OF CURVE
BK	BACK	PERF	PERFORATED
BLDG	BUILDING	PI	POINT OF INTERSECTION
BLVD	BOULEVARD	PIC	POINT OF INTERSECTION - CIRCULAR CURVE
B.M.	BENCH MARK	POB	POINT OF BEGINNING
BRG	BEARING	POC	POINT ON CURVE
CB	CATCH BASIN	POT	POINT ON TANGENT
CBD	CENTRAL BUSINESS DISTRICT	PP	POWER POLE
C	RUNOFF COEFFECIENT	PROP	PROPOSED
CF	CUBIC FEET	PVC	POINT OF VERTICAL CURVE
CFS	CUBIC FEET PER SECOND	PVCC	POLYVINYL CHLORINE CONDUIT
CG	CONCRETE GUTTER	PVI	POINT OF VERTICAL INTERSECTION
C&G	CURB AND GUTTER	PVT	POINT OF VERTICAL TANGENT
CI	CAST IRON	Q	STORM WATER DISCHARGE
CIH	CENTRAL INSTRUMENT HOUSING	R	RADIUS IN FEET
CIP	CAST IRON PIPE	RCP	REINFORCED CONCRETE PIPE
CL	CLASS	ROW	RIGHT OF WAY
C/L	CURB LINE	RR	RAILROAD
CM	CONTROL MONUMENT	Rt	RIGHT (DEFLECTION)
CO	CLEAN OUT	RSC	RAILROAD SIGNAL CABLE
CONC	CONCRETE	S	SOUTH OR SECONDS
CSHH	COMMUNICATION/SIGNAL HANDHOLE	SB	SOUTHBOUND
CSMH	COMMUNICATION/SIGNAL MANHOLE	SD	STORM DRAIN
CULV	CULVERT	SMH	SEWER MANHOLE
CY	CUBIC YARD	SS	SANITARY SEWER
D, DEG	DEGREE OF CURVE	STA	STATION
DART	DALLAS AREA RAPID TRANSIT	STD	STANDARD
DIS	DISTANCE	SWGR	SWITCHGEAR
DIP	DUCTILE IRON PIPE	T	LENGTH OF TANGENT, TELEPHONE
DPL	DALLAS POWER & LIGHT	TBM	TEMPORARY BENCH MARK
DWG	DRAWING	TBR	TO BE REMOVED
E	EAST, ELECTRIC	Tc	TIME OF CONCENTRATION
EMH	ELECTRIC MANHOLE	TPHH	TRACTION POWER HANDHOLE
EL, ELV	ELEVATION	TPMH	TRACTION POWER MANHOLE
ESMT	EASEMENT	TPSS	TRACTION POWER SUBSTATION
EXIST.	EXISTING	T/R	TOP OF RAIL
FH	FIRE HYDRANT	TS	TUBE STEEL
FIG.	FIGURE	TUE	TEXAS UTILITIES ELECTRIC
FL	FLOW LINE	TYP	TYPICAL
FL	FLOW LINE	UG	UNDERGROUND
FREC	FIBERGLASS REINFORCED EPOXY CONDUIT	UP	UNION PACIFIC RAILWAY
G	GAS	V	VELOCITY
GMH	GAS MANHOLE	VERT	VERTICAL
HR	HOUR	W	WEST, WATER
HORZ	HORIZONTAL	WU	WESTERN UNION CABLE
FT	FOOT OR FEET	WV	WATER VALVE
I	RAINFALL INTENSITY	XFMR	TRANSFORMER
IN.	INCH		
INV	INVERT		
KV	KILOVOLT		
L	LEFT (DEFLECTION)		
LC	TOTAL LENGTH OF CIRCULAR CURVE		
LN	LINE		
LP	LIGHT POLE		
LRT	LIGHT RAIL TRANSIT		

SYMBOLS



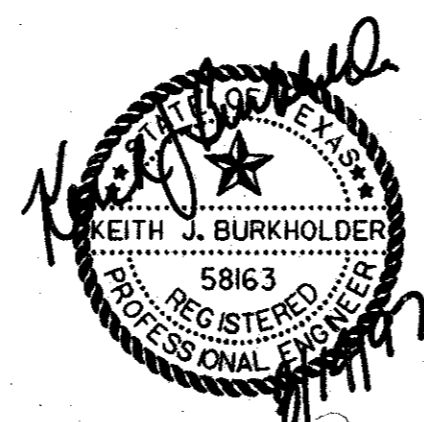
Record (As-Built) Certification
 I have checked this submission and certify that it conforms to the requirements of the contract in all respects and is a true and correct record.
 Contract Number: 9700136
 Company Name: WLA
 Officer of Firm Signature: TOM KADER
 Title: PRESIDENT
 State of Texas Professional Engineer or Construction Control Number: 10002136
 This certification must be placed on the contract deliverables.

7-7-99

CONFORMED

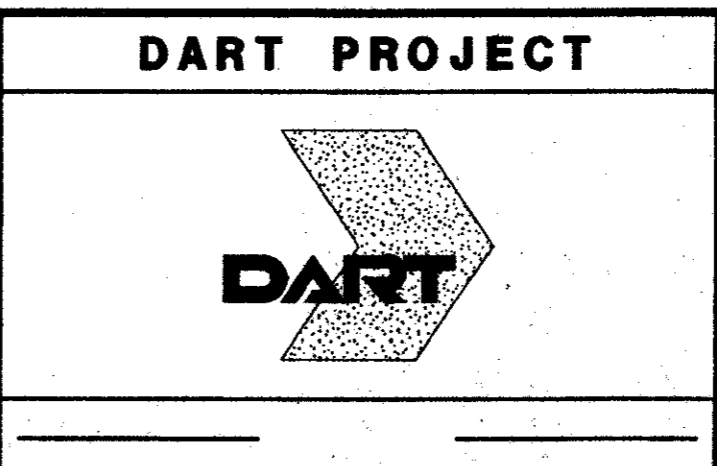
CONTRACT SHEET No. 72 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



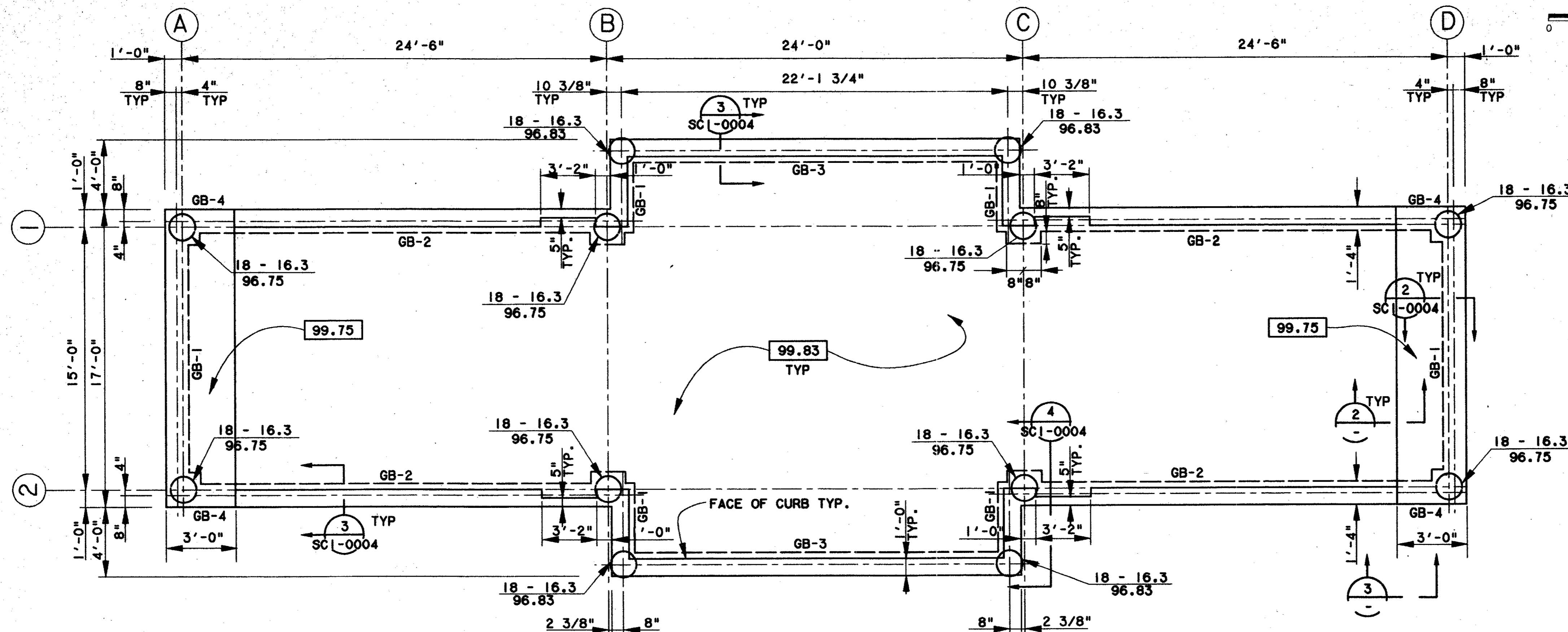
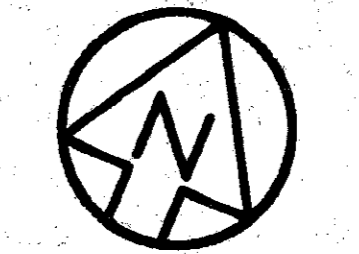
lan
 Lockwood, Andrews & Newnam, Inc.
 A SUBSIDIARY OF LEO A DALY

WLA
 WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 1815 MARKET CENTER BLVD - SUITE 510
 DALLAS, TEXAS 75207
 (214) 746-7777



SCALE	NO SCALE
DRAWN	P. R. MASON
DESIGNED	K. BURKHOLDER
CHECKED	K. BURKHOLDER
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

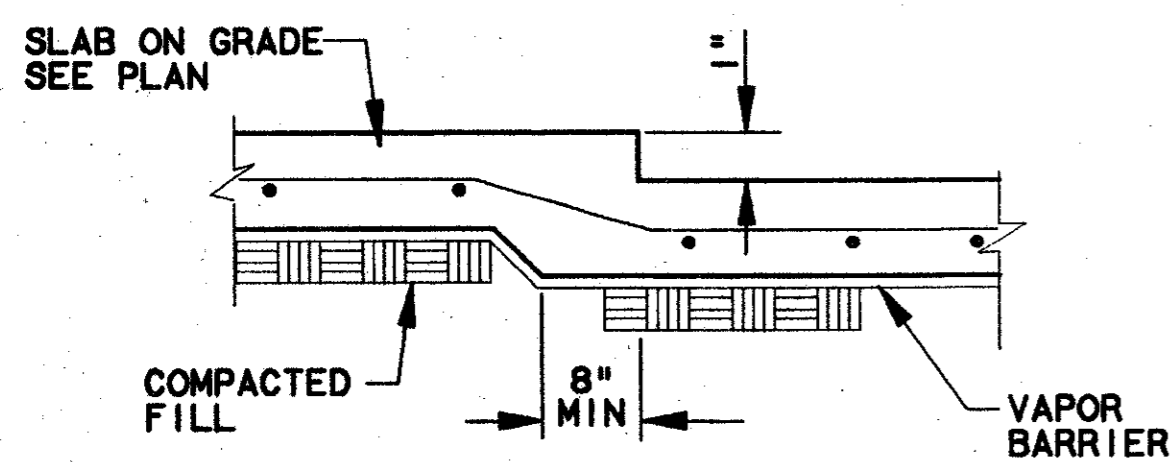
ADDISON TRANSIT CENTER	
STRUCTURAL STANDARDS ABBREVIATIONS AND SYMBOLS	
CONTRACT C-9700136	DWG No. SCI-0001
REV 0	



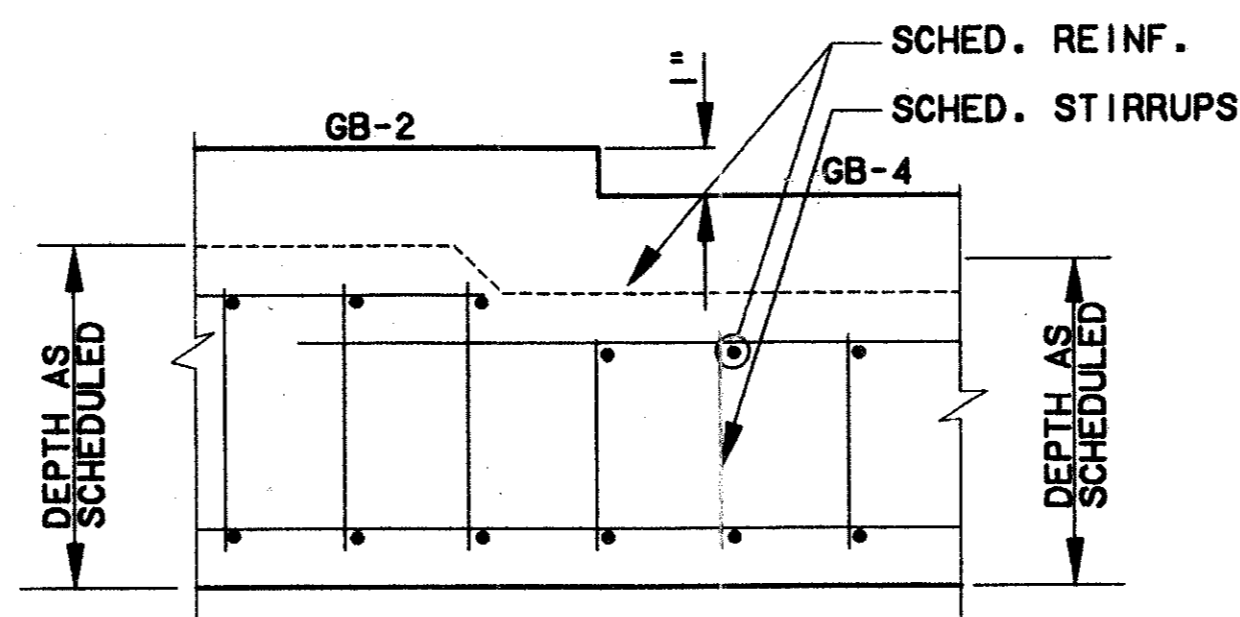
- NOTES:**
1. FINISHED FLOOR EL.=100.00 EQUIVALENT TO EL. 633.50 UNLESS NOTED OTHERWISE.
 2. SEE PIER DETAIL 1/SC1-0004 FOR REINFORCEMENT SCHEDULE AND PENETRATION.
 3. KEY TO PIER DESIGNATION:
EST. MIN. SHAFT LENGTH (FT.)
SHAFT DIAMETER IN INCHES
TOP OF SHAFT EL.
18 - 41
98.50
 4. TOP OF STRUCTURAL CONCRETE FLOOR IS NOTED BY [XXX.XX]
 5. FLOOR SLAB SHALL BE 6" THK WITH #4 @ 16" OC EA WAY.
 6. SEE SHEET 5-10/SC1-0004 FOR TYPICAL FOUNDATION DETAILS.
 7. SEE SHEET 5/SC1-0007 FOR TYPICAL BASE PLATE DETAILS.

ENCLOSURE FOUNDATION PLAN (1)
SCALE: 1/4"=1'-0"

MARK	SIZE		REINFORCING		STIRRUPS		REMARKS
	WIDTH	DEPTH	TOP	BOTTOM	SIZE	SPACING-EACH END	
GB-1	16"	24"	2-#7	2-#7	3	@ 12"	
GB-2	16"	25"	2-#9	2-#9	4	@ 10"	
GB-3	16"	24"	3-#9	3-#9	4	@ 10"	
GB-4	16"	24"	3-#9	3-#9	4	@ 10"	
GB-5	12"	20"	2-#9	2-#9	3	@ 12"	



T.O. CONCRETE TRANSITION (2)
SCALE: 1/4"=1'-0"



GRADE BEAM TRANSITION (3)
SCALE: 1/4"=1'-0"

Professional Certification
Having checked the submission, we certify that it conforms to the requirements of the contract in all respects, except as otherwise noted.
Contract Number: 97000136
Company Name: WEA
Title of Firm Representative: TOM KAOR, PRESIDENT
Date: 7-99

CONFORMED

CONTRACT SHEET No. 74 OF 95

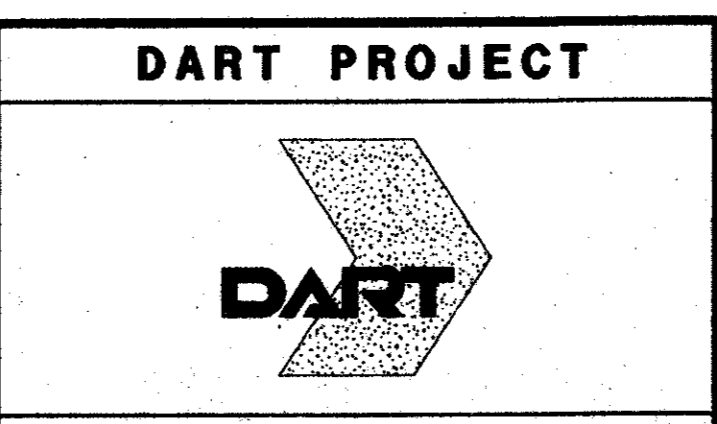
**ADDISON
TRANSIT CENTER
ENCLOSURE FOUNDATION PLAN**

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



LAN
Lockwood, Andrews & Newnam, Inc.
A SUBSIDIARY OF LEO A DALY

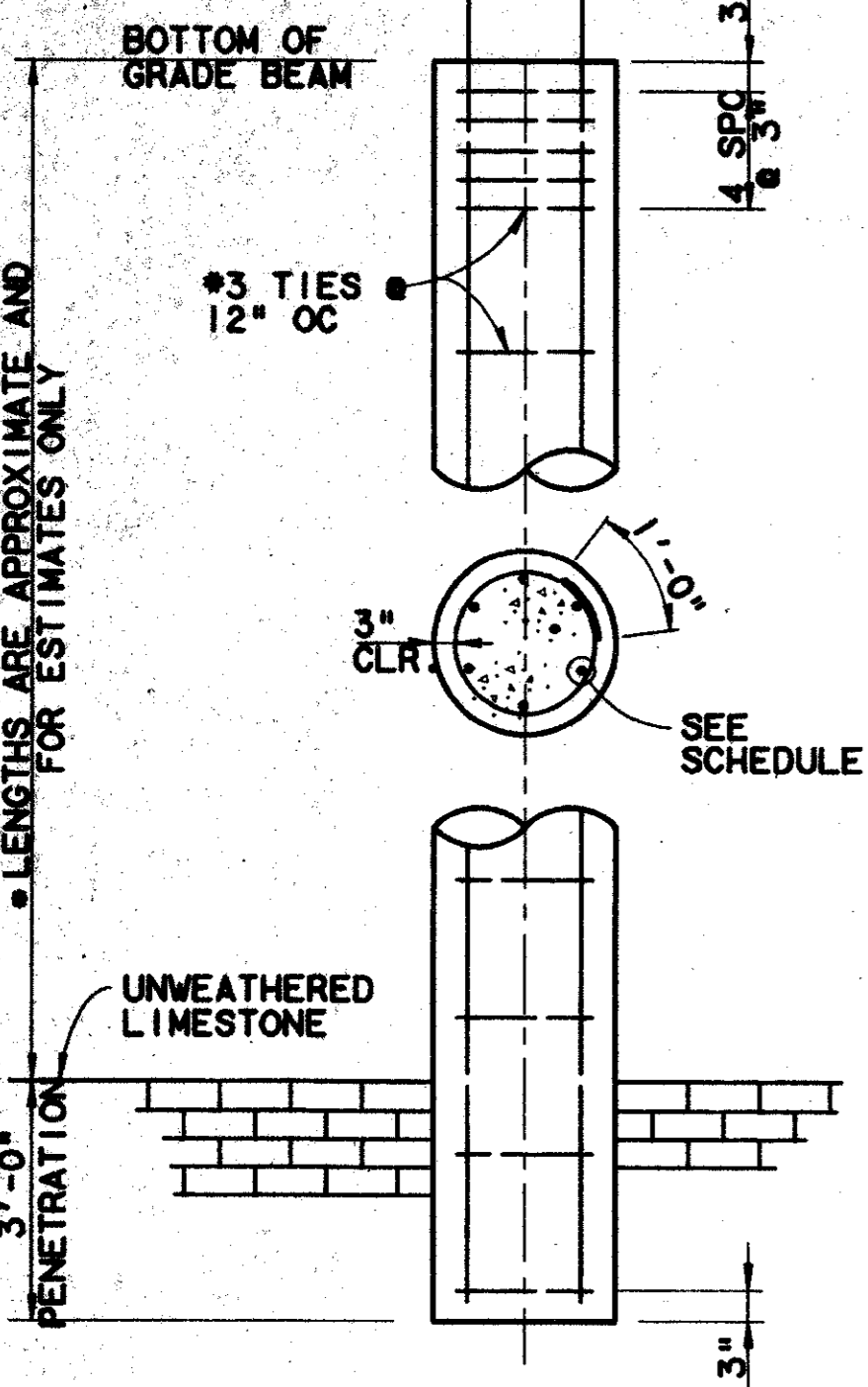
WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
805 MARKET CENTER BLVD - SUITE 500
DALLAS, TEXAS 75207
(214) 748-7777



SCALE: 1/4"=1'-0"
DRAWN: V. BAND
DESIGNED: V. BAND
CHECKED: K. BURKHOLDER
IN CHARGE: V. STEVENS
DATE: 14 AUGUST 97

CONTRACT C-97000136 DWG No. SC1-0003 REV 0

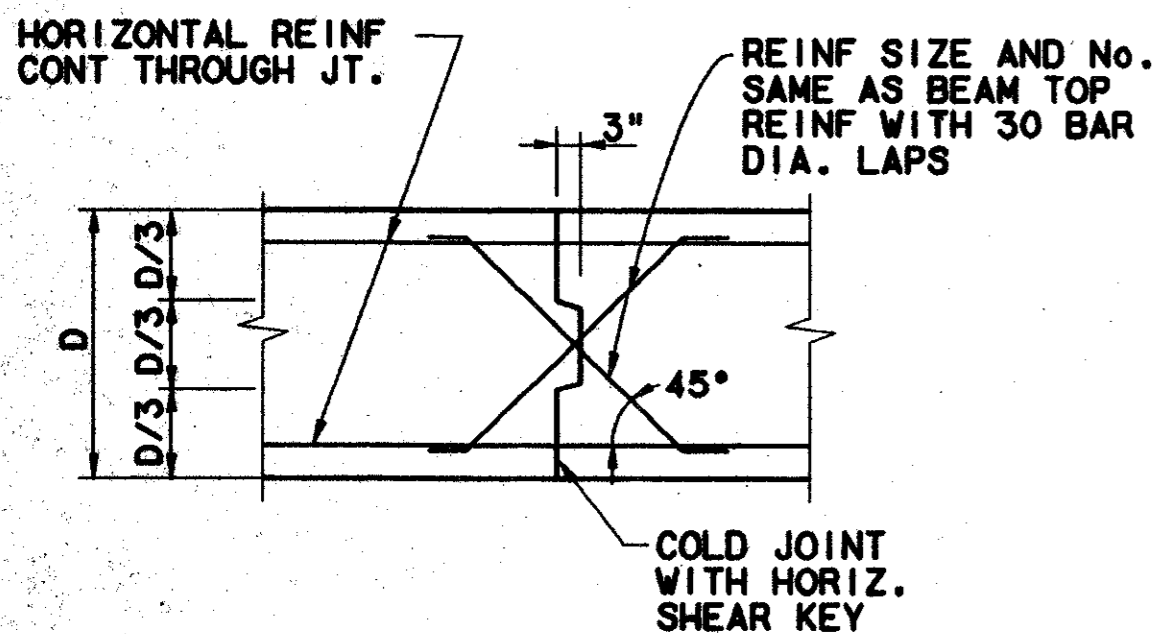
EXTEND REINFORCEMENT TO 2" BELOW TOP OF GRADE BEAM OR MIN. 36" INTO CONCRETE COLUMNS



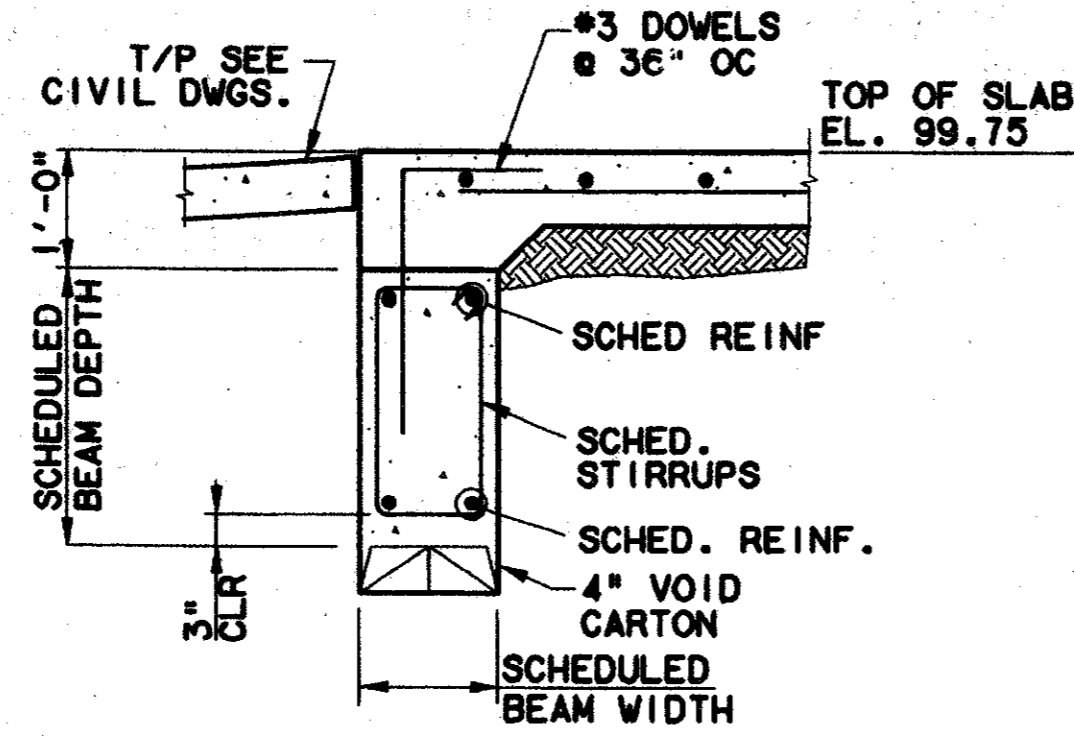
LENGTHS ARE APPROXIMATE AND FOR ESTIMATES ONLY

SHAFT DIAMETER	VERTICAL REINFORCEMENT
18"	6-#5 VERT #3 @ 12" OC
30"	6-#7 VERT #3 @ 12" OC

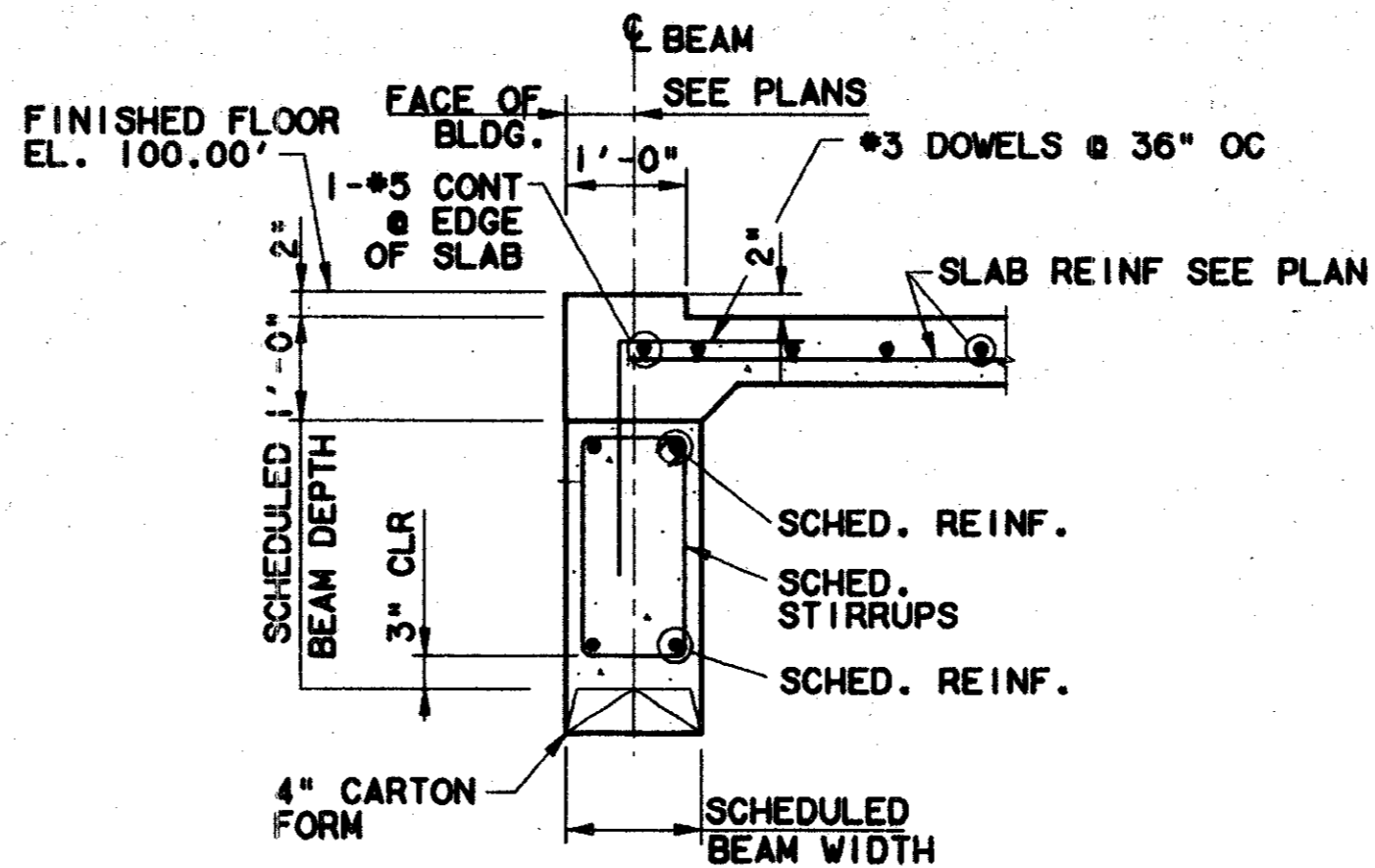
PIER SCHEDULE & SECTIONS (1) SC1-0003



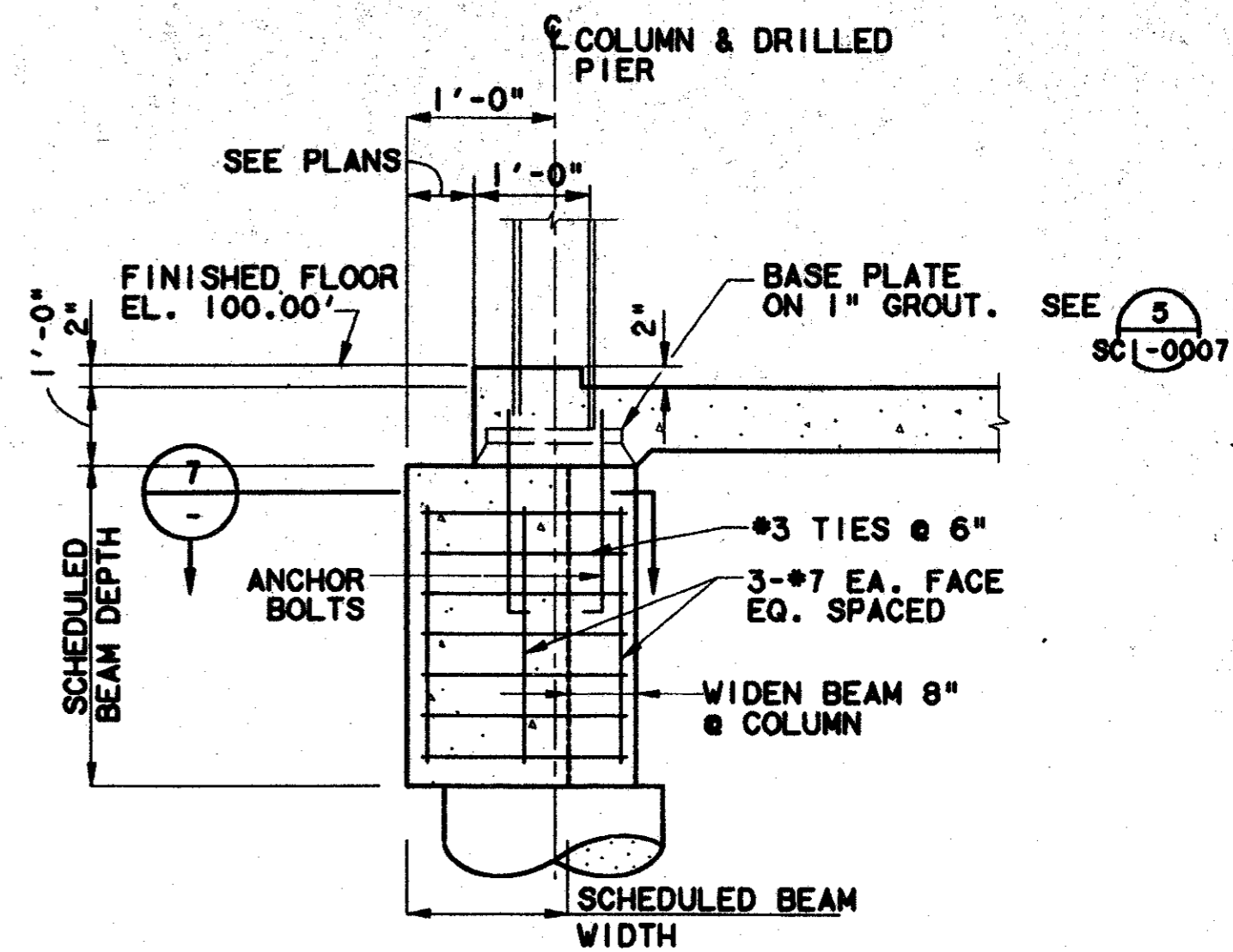
TYP. BEAM CONST. JT. (8) SC1-0003



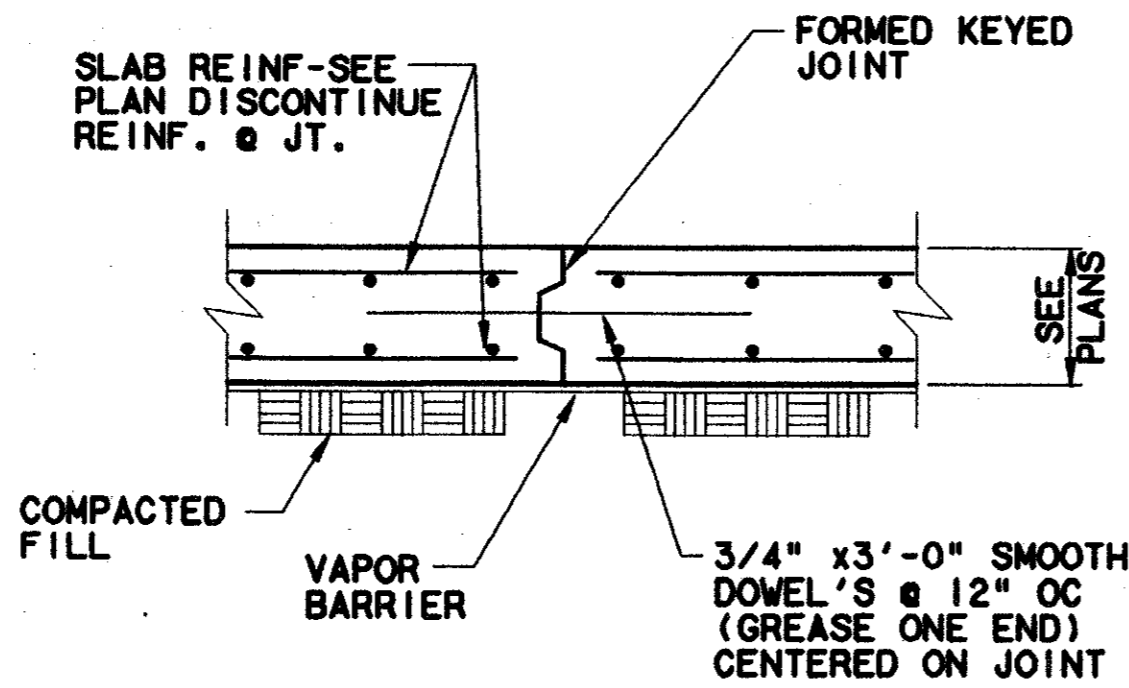
SECTION 2 (2) SC1-0003



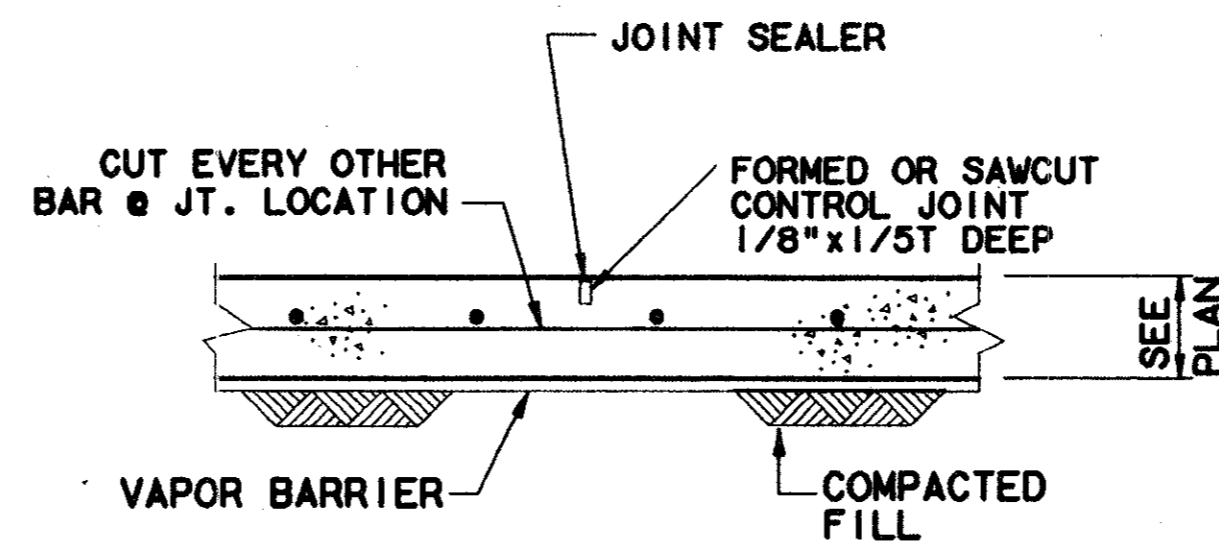
SECTION 3 (3) SC1-0003



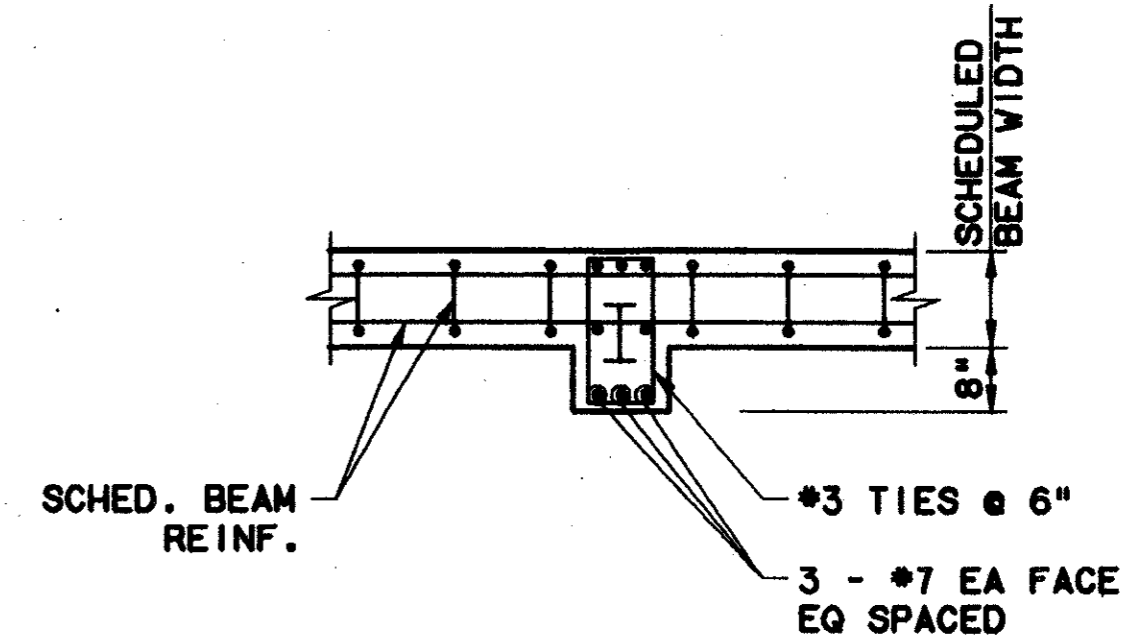
SECTION 4 (4) SC1-0003



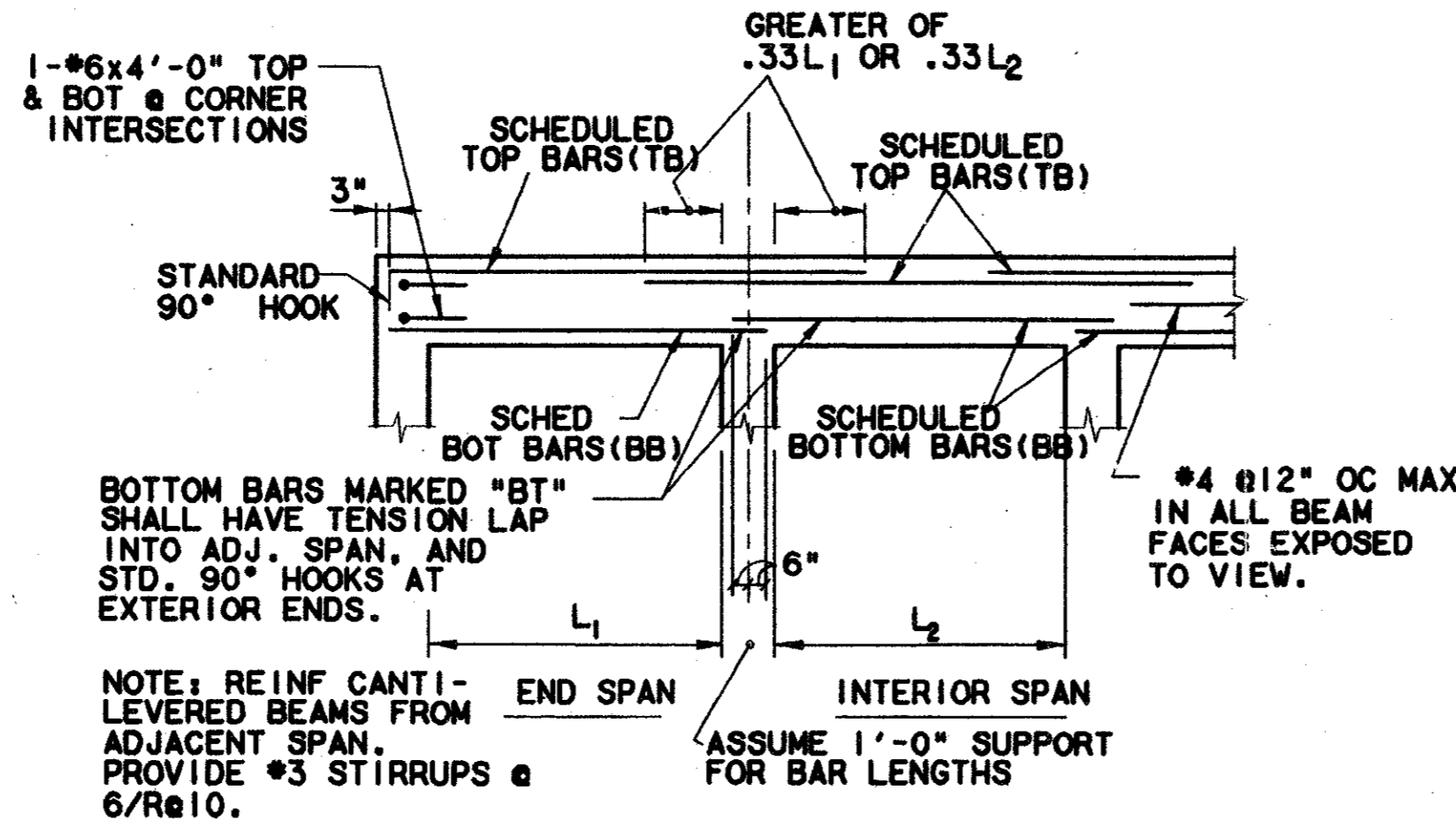
TYP. CONST. JOINT (5) SC1-0003



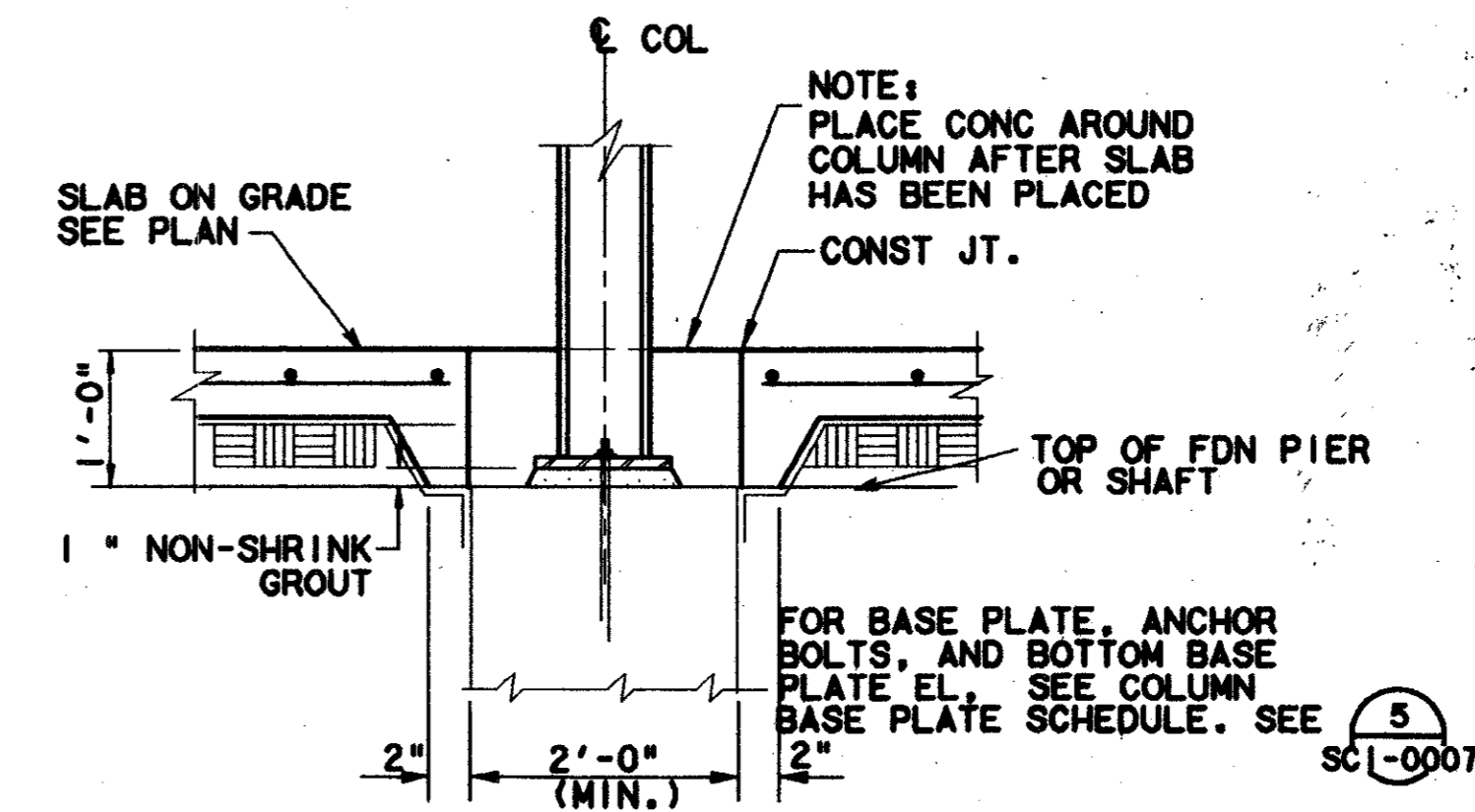
TYP. CONTROL JOINT (6) SC1-0003



TYP. SECTION (7) SC1-0003

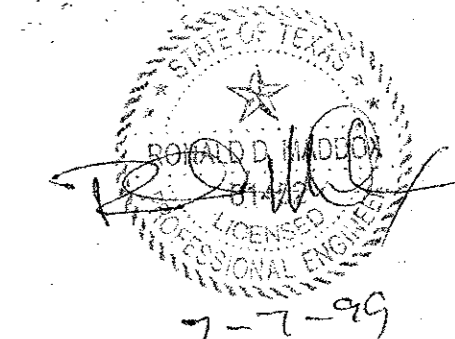


TYP. GRADE BM. BAR PLACEMENT DETAIL (9) SC1-0003



TYP. CONST. JT. @ COLUMNS (10) SC1-0003

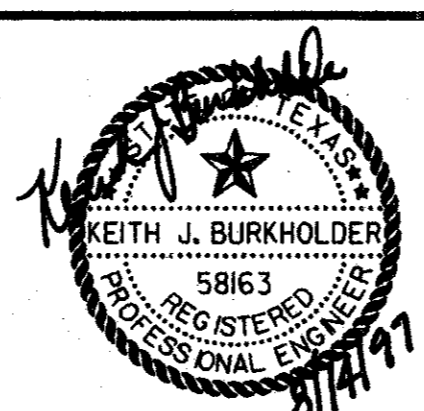
Record (As-Built) Certification
 I have checked this submission, and certify that it conforms to the requirements of the contract in all respects. Except as otherwise indicated.
 Contract Number: 97000136
 Drawing Name: ENCLOSURE FOUNDATION DETAILS
 Date of Firm Signature: 8/14/97
 Signature of Firm Representative: JIM KADER, PRESIDENT
 State of Professional Engineer of Construction Contract, including signature and date, the original record (as built) drawings for accuracy will be built and adjusted reflected herein, must be placed below.



CONFORMED

CONTRACT SHEET No. 75 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



LAN
 Lockwood, Andrews & Newnam, Inc.
 A SUBSIDIARY OF LEO A DALY

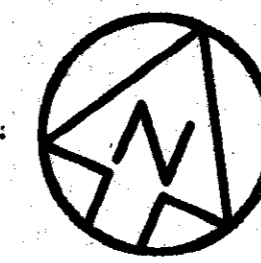
WLA
 WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 160 MARNEY CENTER BLVD - SUITE 210
 DALLAS, TEXAS 75207
 (214) 745-7777

DART PROJECT

SCALE	AS NOTED
DRAWN	V. BAND
DESIGNED	V. BAND
CHECKED	K. BURKHOLDER
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

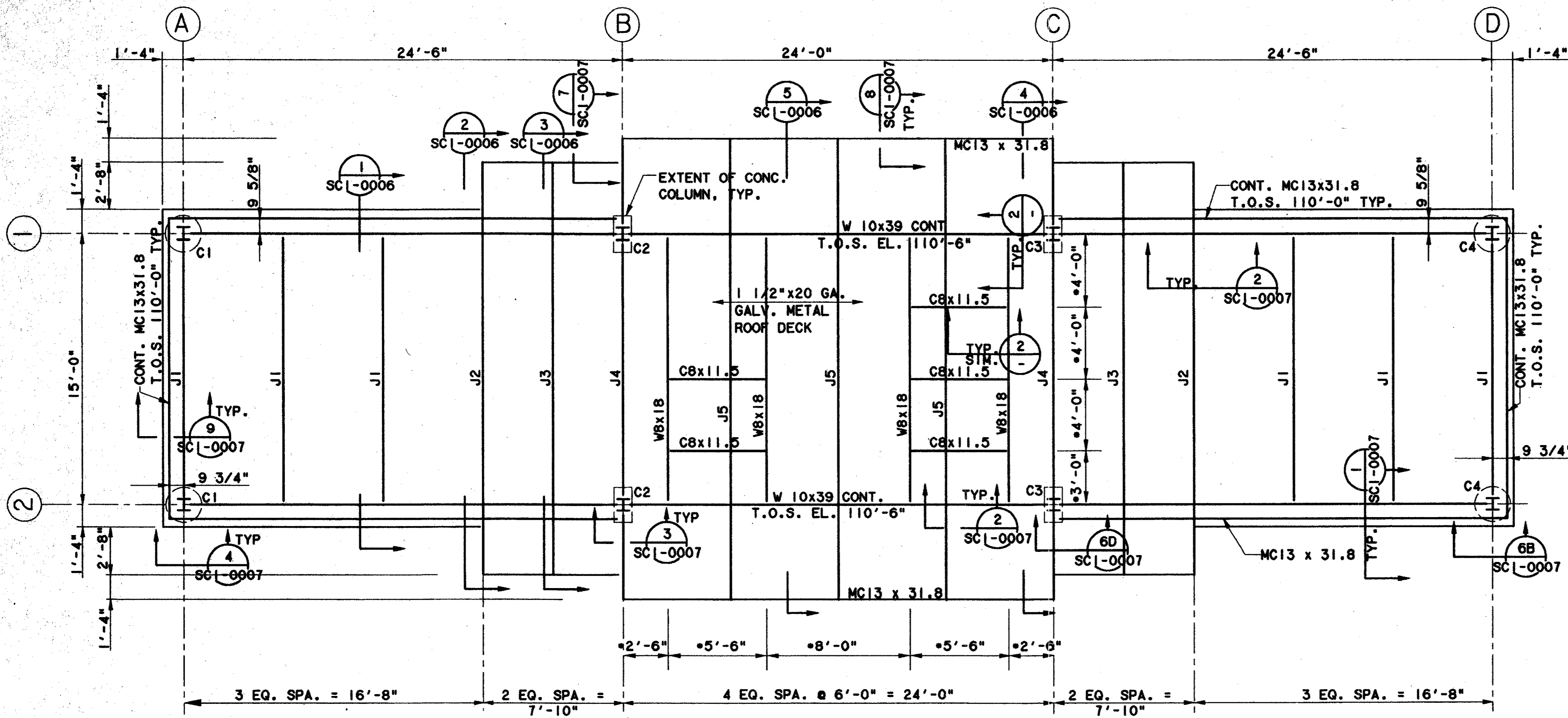
ADDISON TRANSIT CENTER
 ENCLOSURE FOUNDATION DETAILS

CONTRACT C-97000136 DWG No. SC1-0004 REV 0



- NOTES:**
1. FINISHED FLOOR EL. = 100'-0"
 2. T.O.S. EL. = TOP OF STEEL ELEVATION
 3. REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT SIZES, LOCATIONS, AND OTHER REQUIREMENT.
 4. T.O.S. EL. = 110'-6" UNLESS NOTED OTHERWISE.

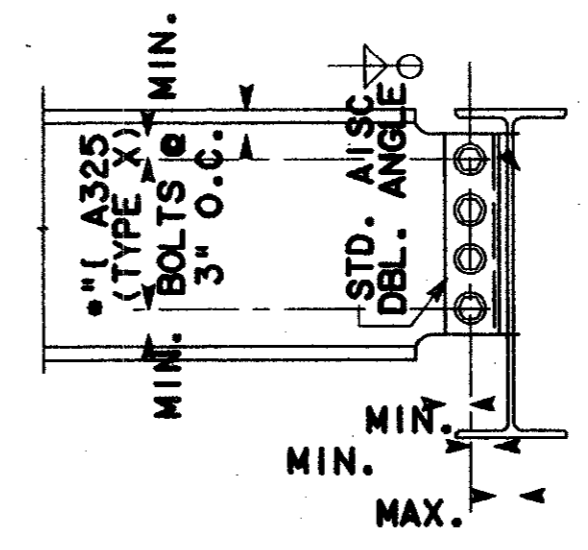
SCALE (IN FEET)
0 2' 4' 8'



ENCLOSURE ROOF FRAMING PLAN (1)
SCALE: 1/4" = 1'-0"

COLUMN SCHEDULE			REFERENCE
MARK	SIZE	BOTT. BASE R. EL.	
C1	W 8x35	98.83	DET. 05/SC1-0007
C2	W 8x35	98.92	DET. 05/SC1-0007
C3	W 8x35	98.92	DET. 05/SC1-0007
C4	W 8x35	98.83	DET. 05/SC1-0007

JOIST SCHEDULE			REFERENCE
MARK	SIZE	T.O. STEEL	
J1	TS 4x4x3/16	10'-6"	DET. 1/SC1-0006
J2	TS 4x4x3/16	10'-6"	DET. 2/SC1-0006
J3	TS 4x4x3/16	10'-6"	DET. 3/SC1-0006
J4	TS 4x4x3/16	10'-6"	DET. 4/SC1-0006
J5	TS 4x4x3/16	10'-6"	DET. 5/SC1-0006



STANDARD BEAM END CONNECTIONS	
BEAM SIZE	NUMBER OF BOLTS
WB, W10	2
C8	2

SHEAR CONNECTION DETAILS (2)
N.T.S.

Sealed (As-built) Certification
Having checked this submission, we certify that it conforms to the requirements of the contract in all respects, except as otherwise indicated.
Contract Number: 97000136
Company Name: DART
Director of Firm Signature: [Signature]
Date: 14 AUGUST 97
Title: PRESIDENT
Seal of Professional Engineer: [Seal]

CONFORMED

CONTRACT SHEET No. 76 OF 95

**ADDISON
TRANSIT CENTER
ENCLOSURE ROOF
FRAMING PLAN**

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP

Lockwood, Andrews & Newnam, Inc.
A SUBSIDIARY OF LEQ A DALY

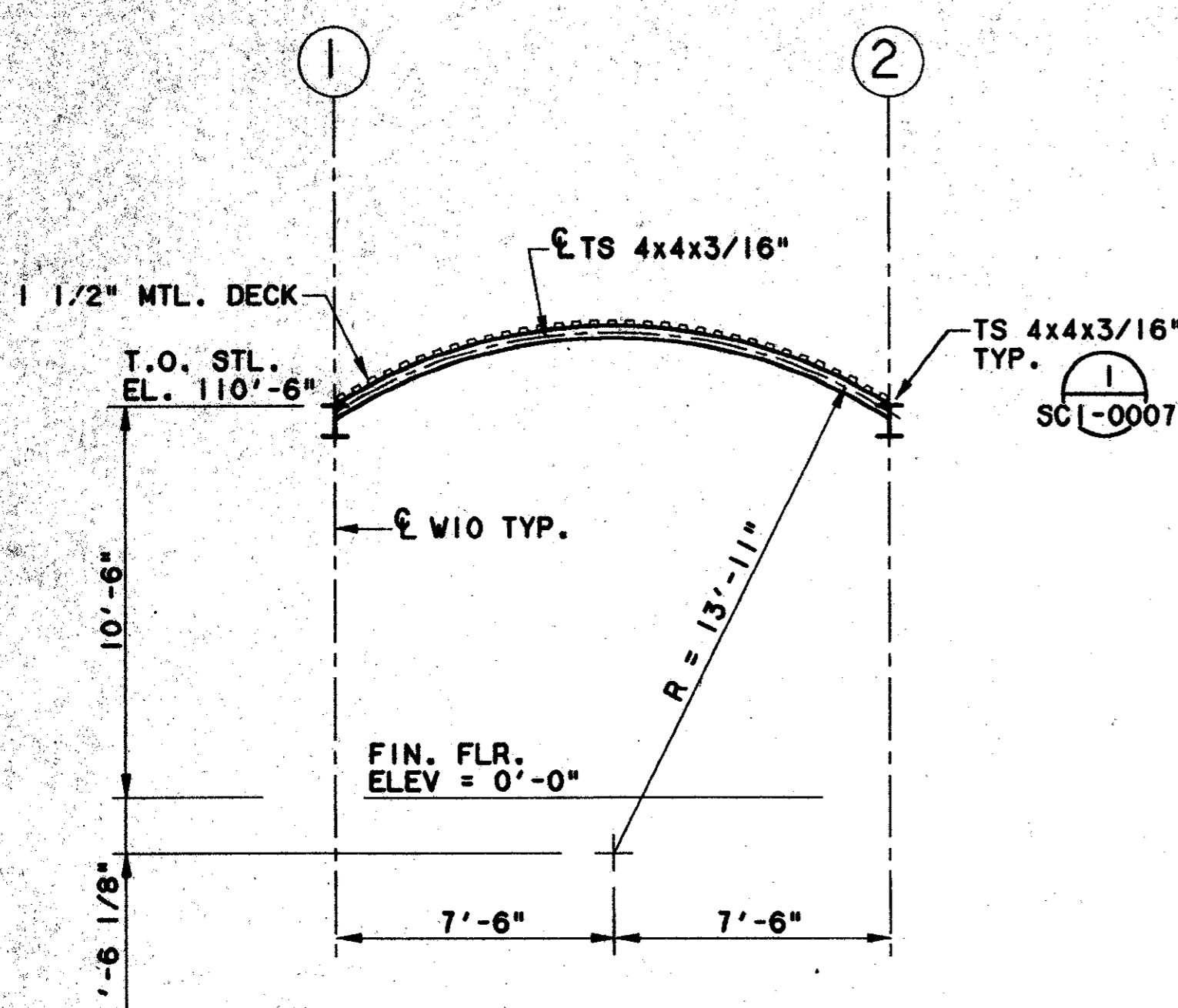
WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
825 MARKET CENTER BLVD - SUITE 50
DALLAS, TEXAS 75207
(214) 746-7777

DART PROJECT

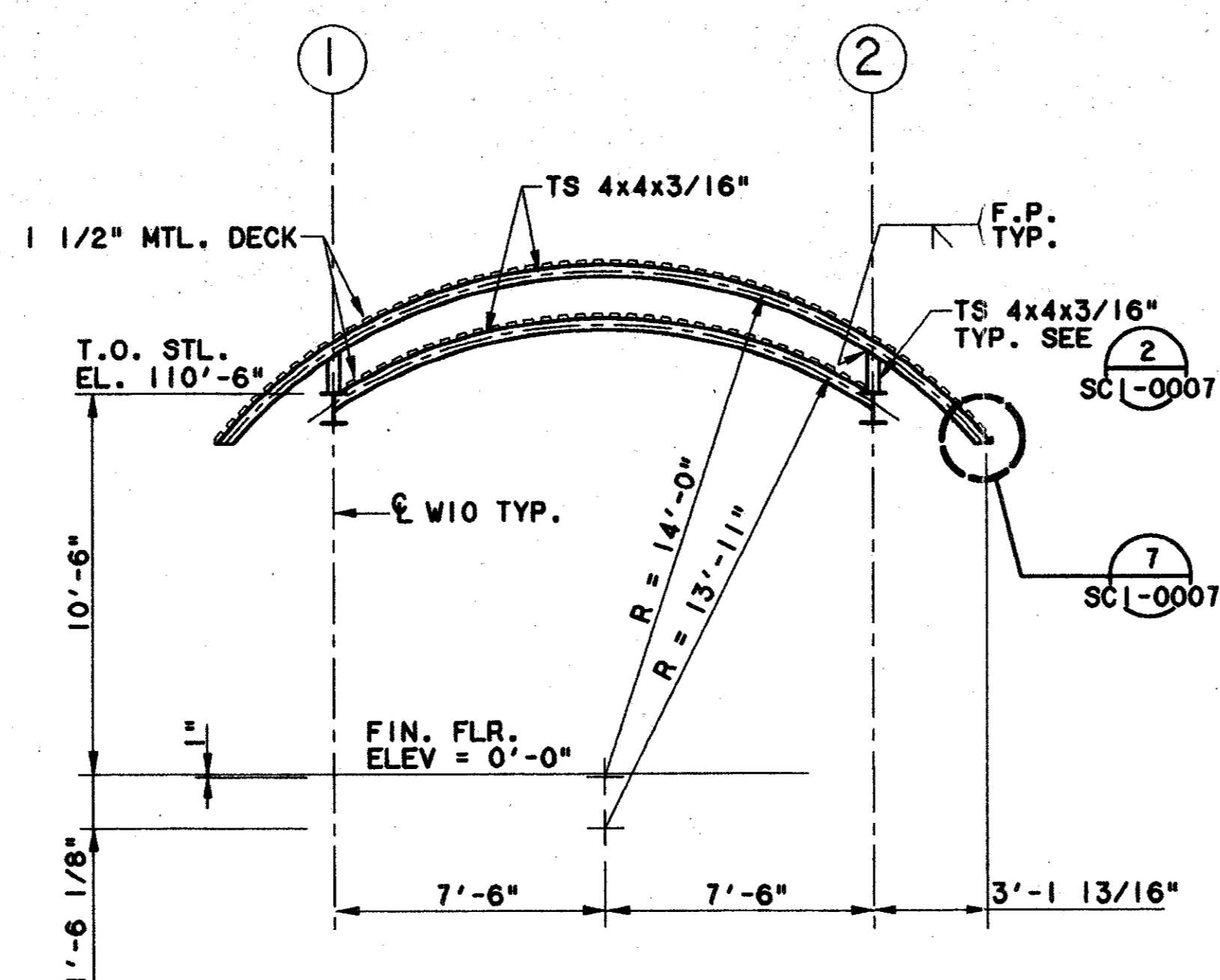
DART

SCALE	1/4" = 1'-0"
DRAWN	V. BAND
DESIGNED	V. BAND
CHECKED	K. BURKHOLDER
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

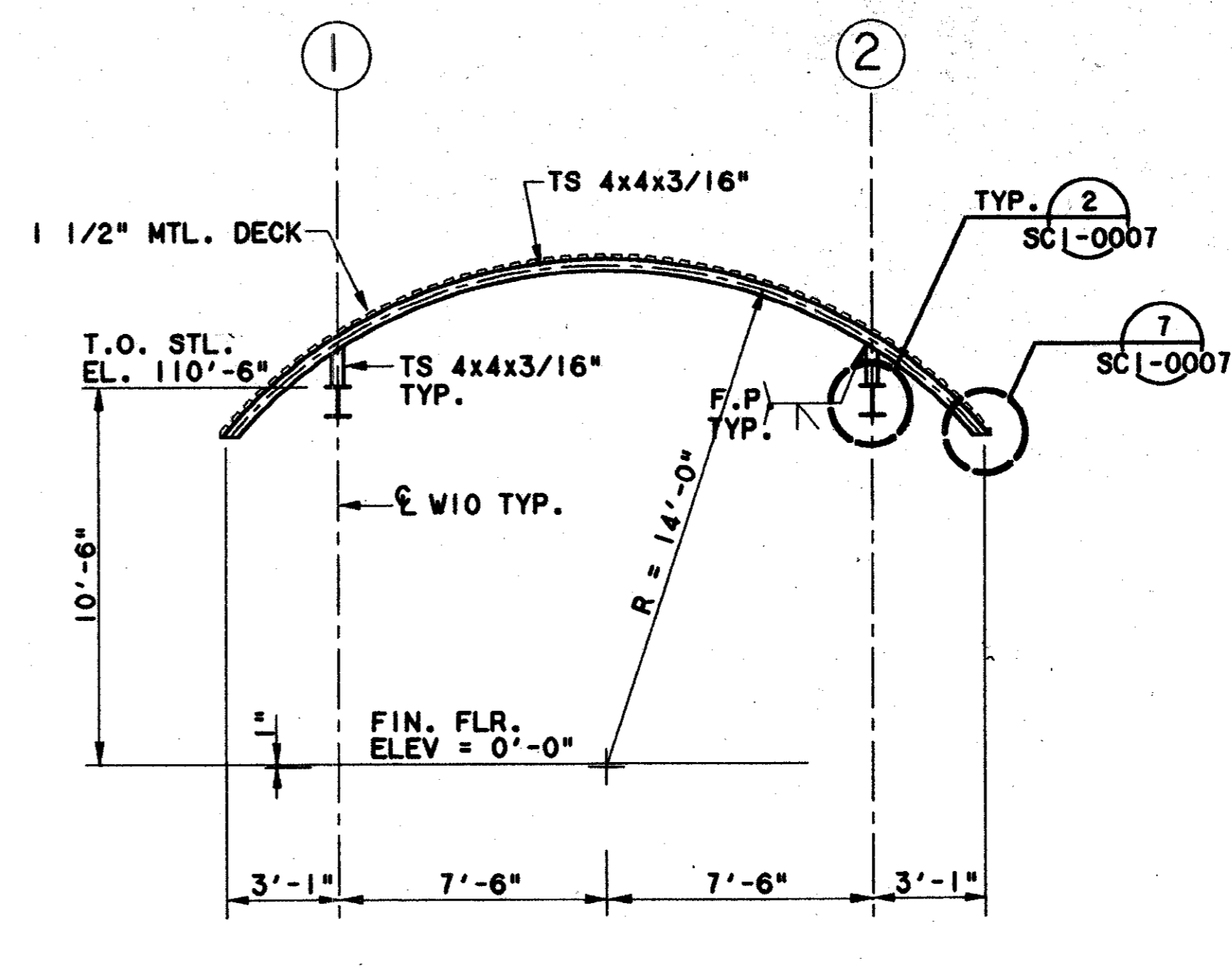
CONTRACT	C-97000136	DWG No.	SCI-0005	REV	0
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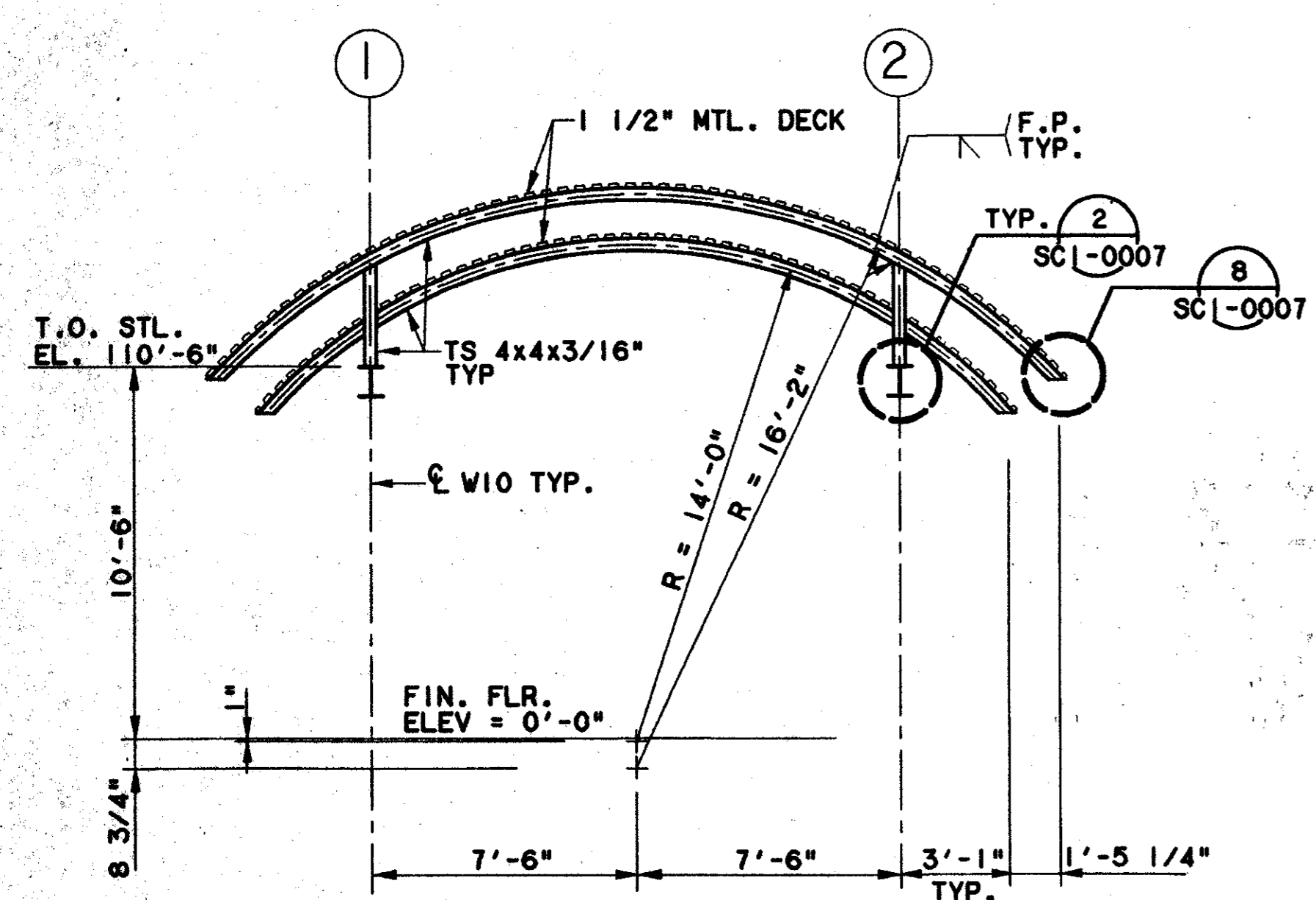
SECTION-J1 (1)
SCALE: 1/4"=1'-0" SCI-0005



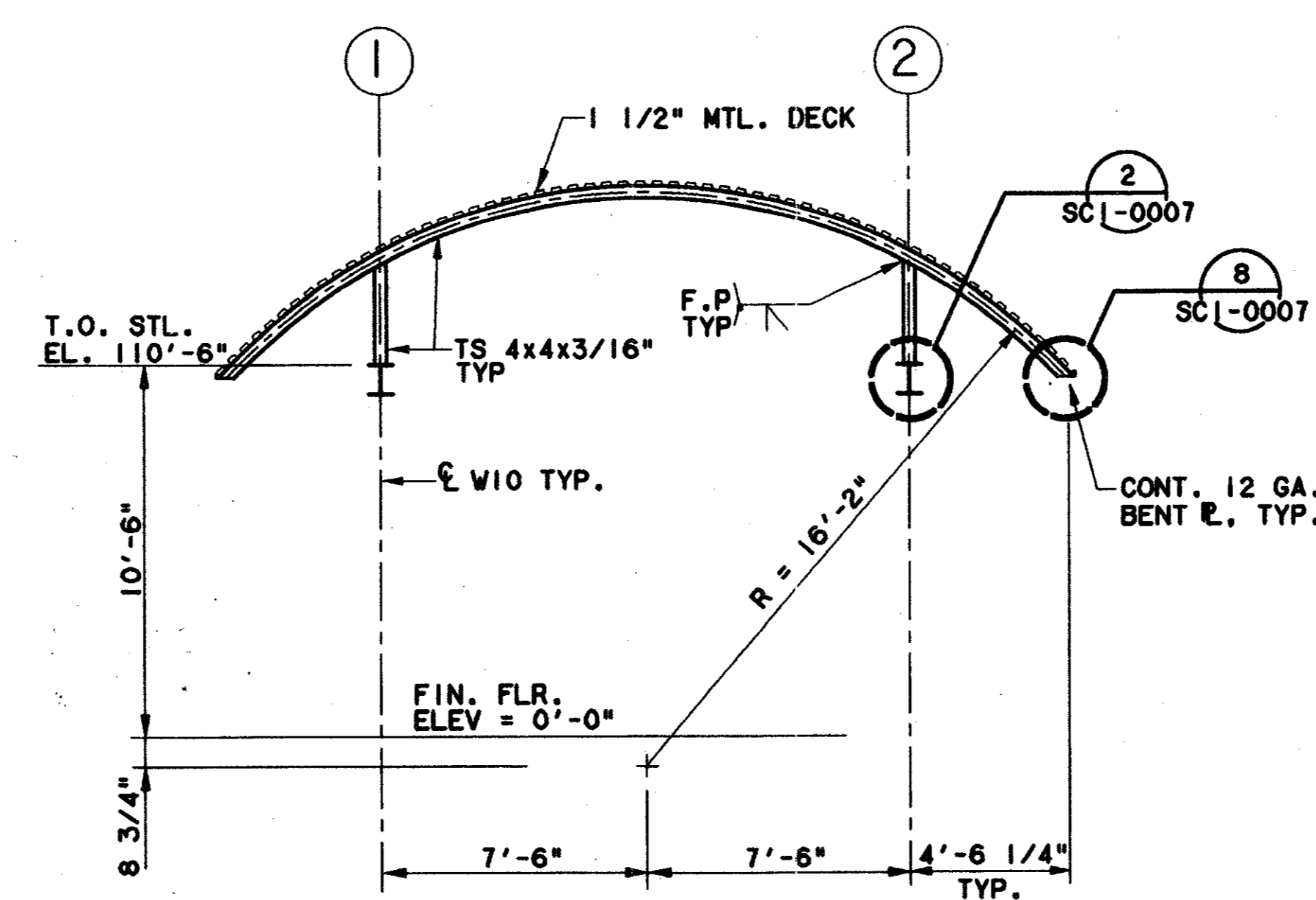
SECTION-J2 (2)
SCALE: 1/4"=1'-0" SCI-0005



SECTION-J3 (3)
SCALE: 1/4"=1'-0" SCI-0005



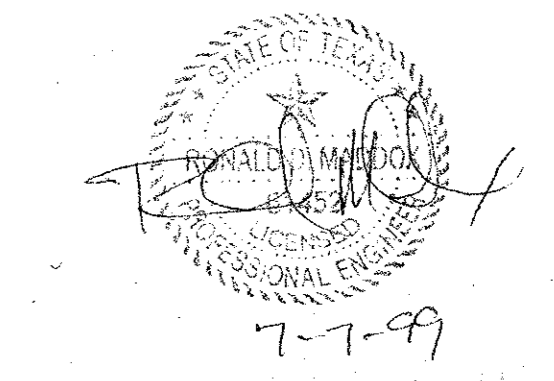
SECTION-J4 (4)
SCALE: 1/4"=1'-0" SCI-0005



SECTION-J5 (5)
SCALE: 1/4"=1'-0" SCI-0005

Having checked this submission against the requirements of the contract in all respects, except as otherwise indicated, I hereby certify that it complies with the contract documents.

Contract Number: 97000136
 Company Name: WEAVER
 Title: President
 Signature: TOM KADER
 Date: 7-7-99

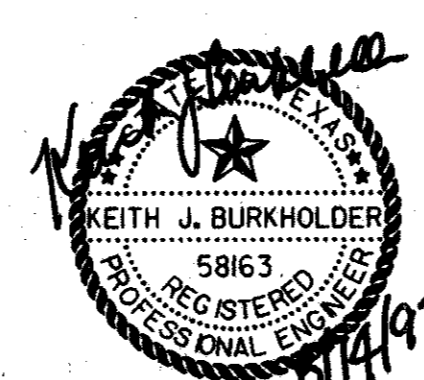


CONFORMED

CONTRACT SHEET No. 77 OF 95

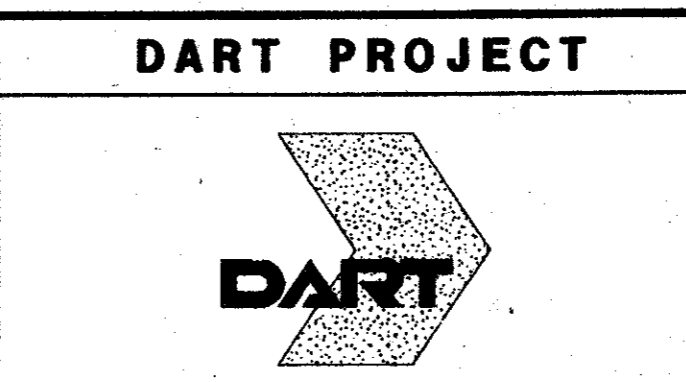
**ADDISON
TRANSIT CENTER
ENCLOSURE ROOF
SECTIONS**

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



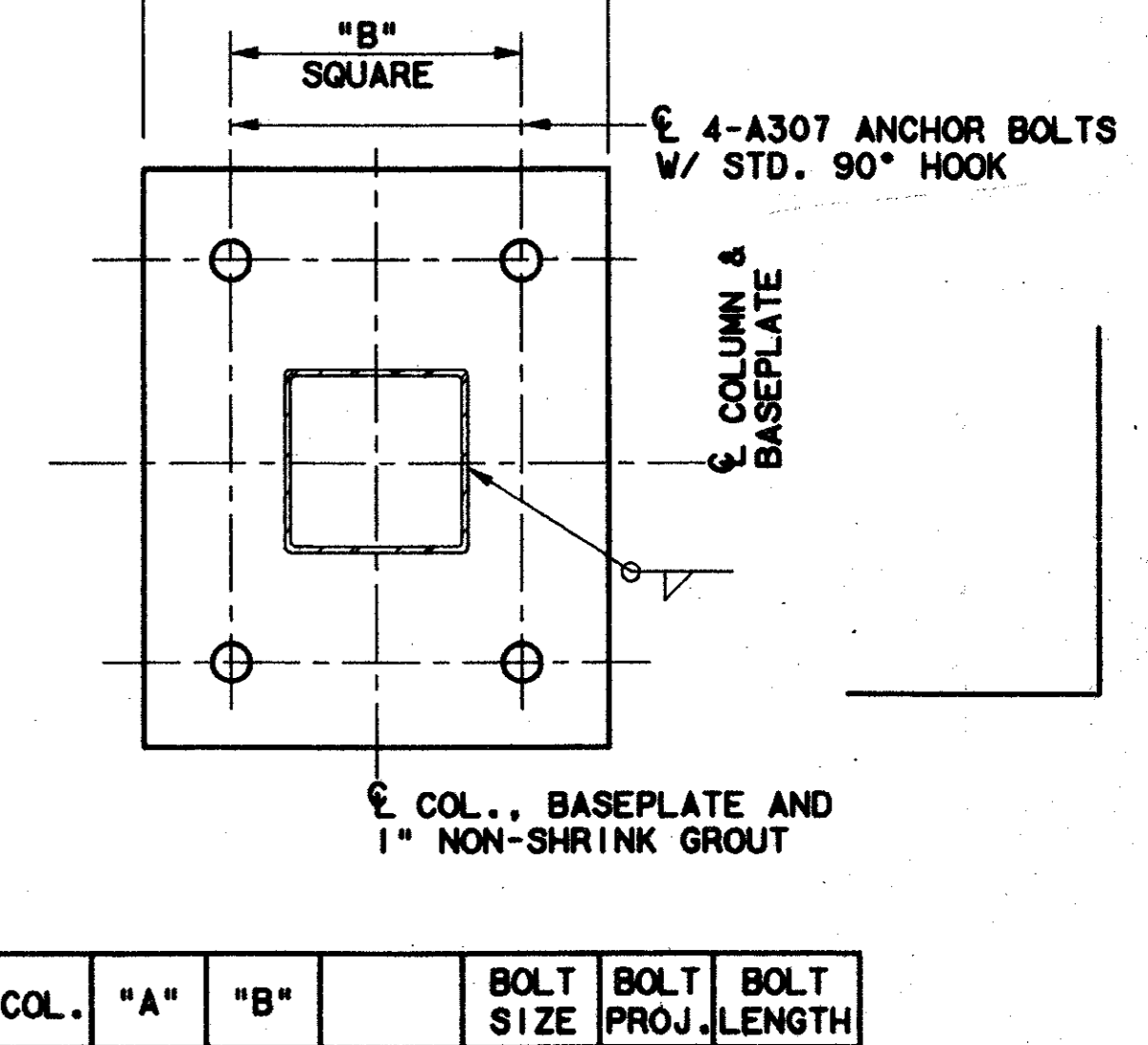
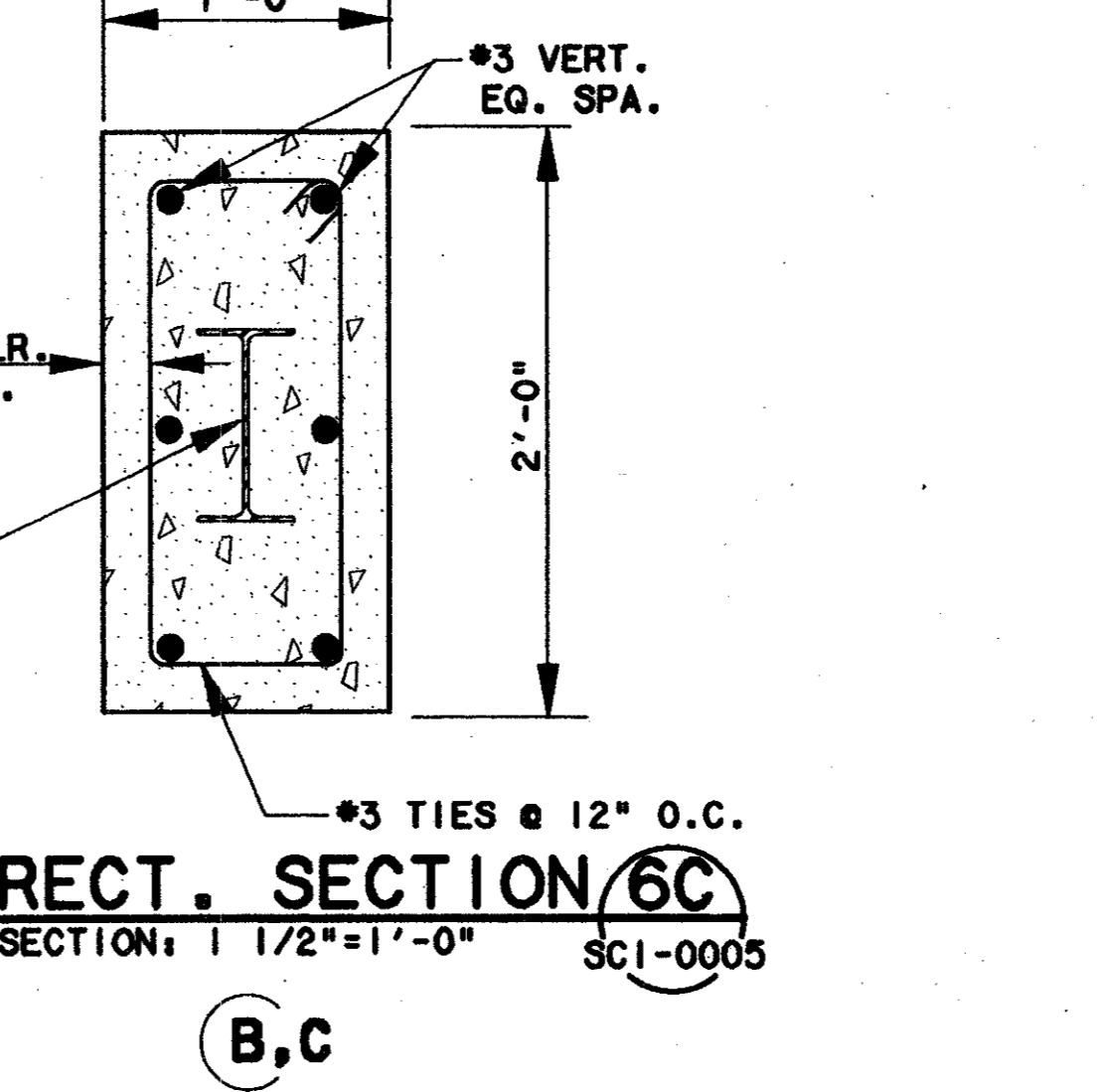
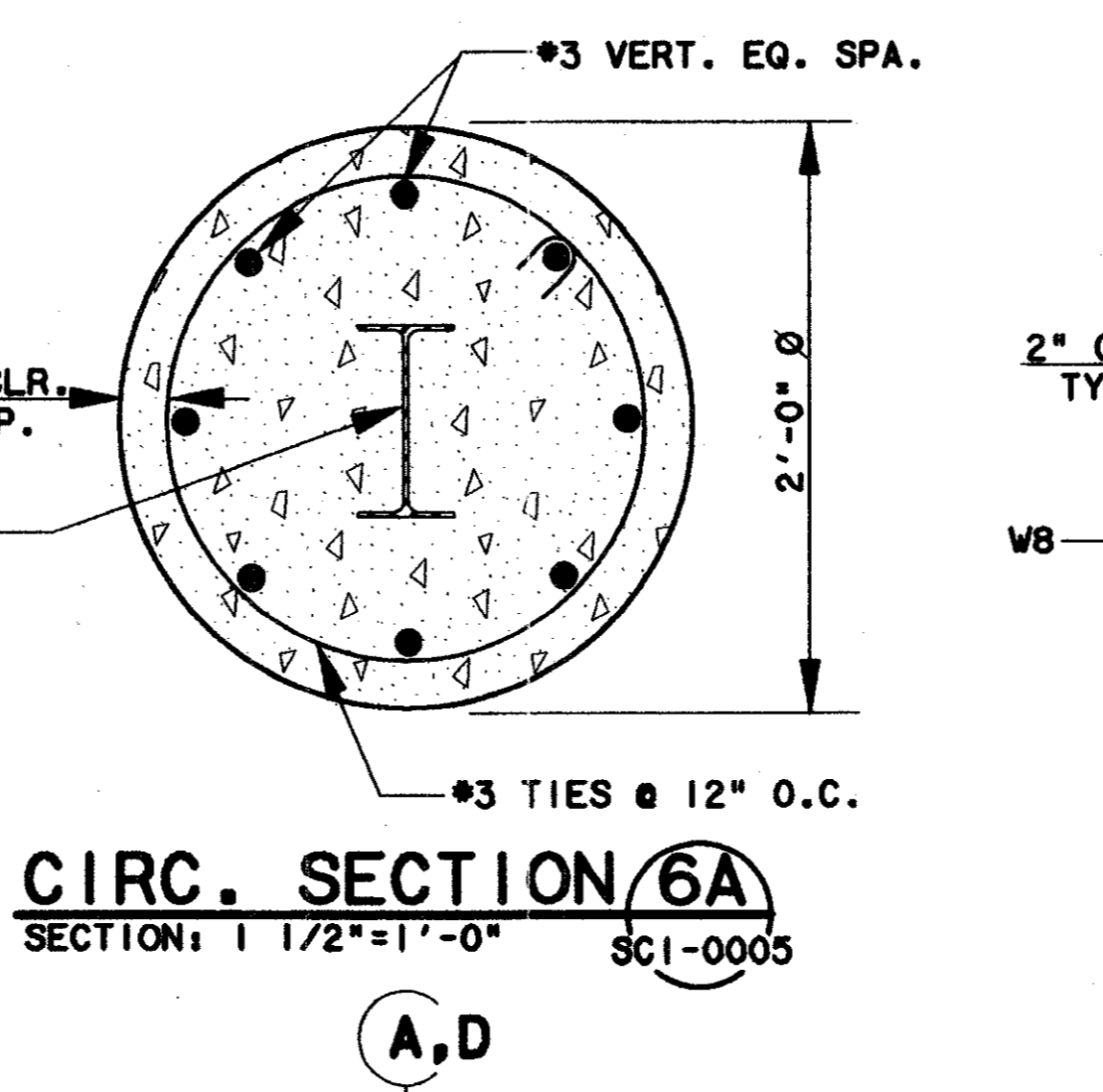
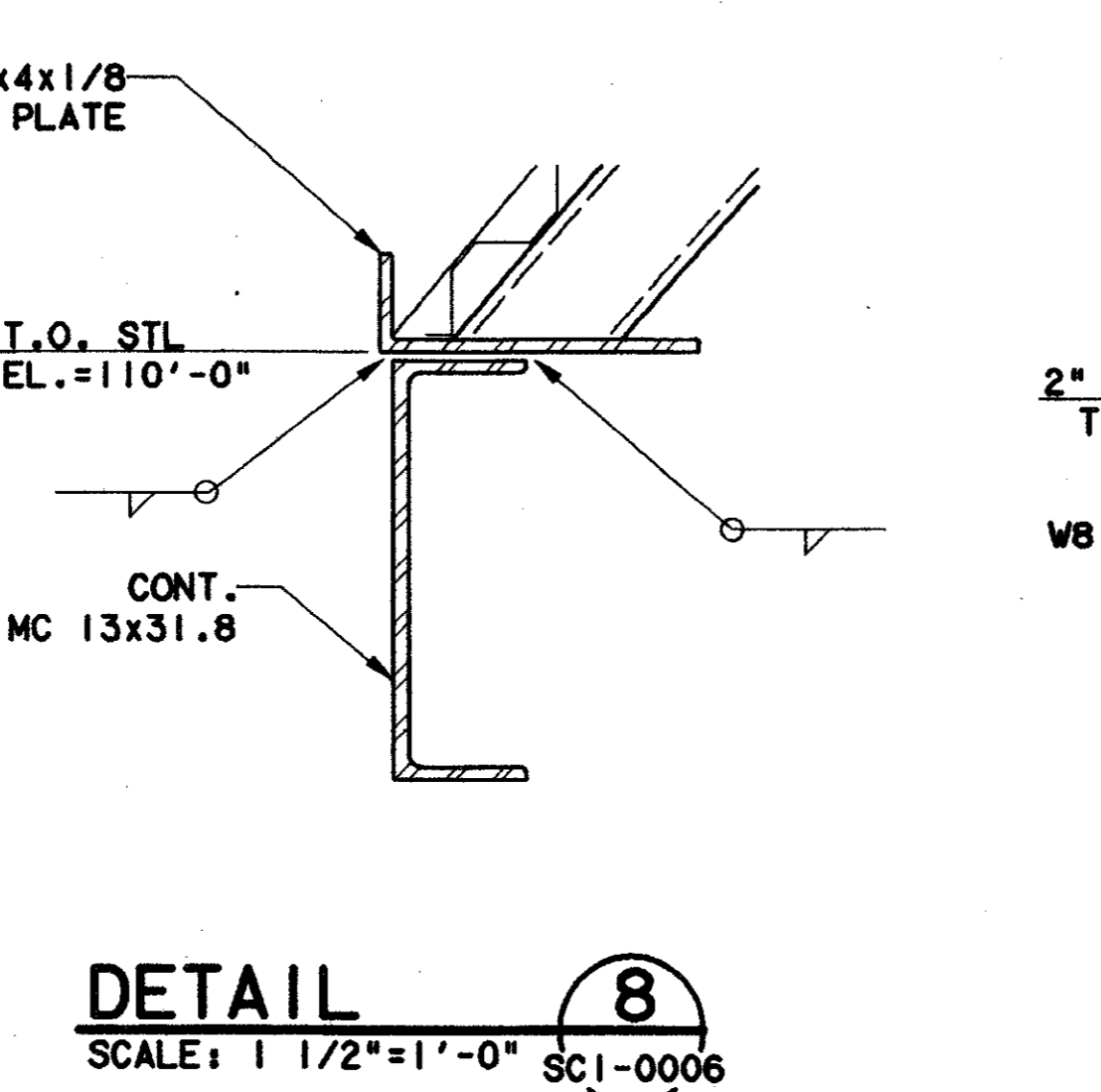
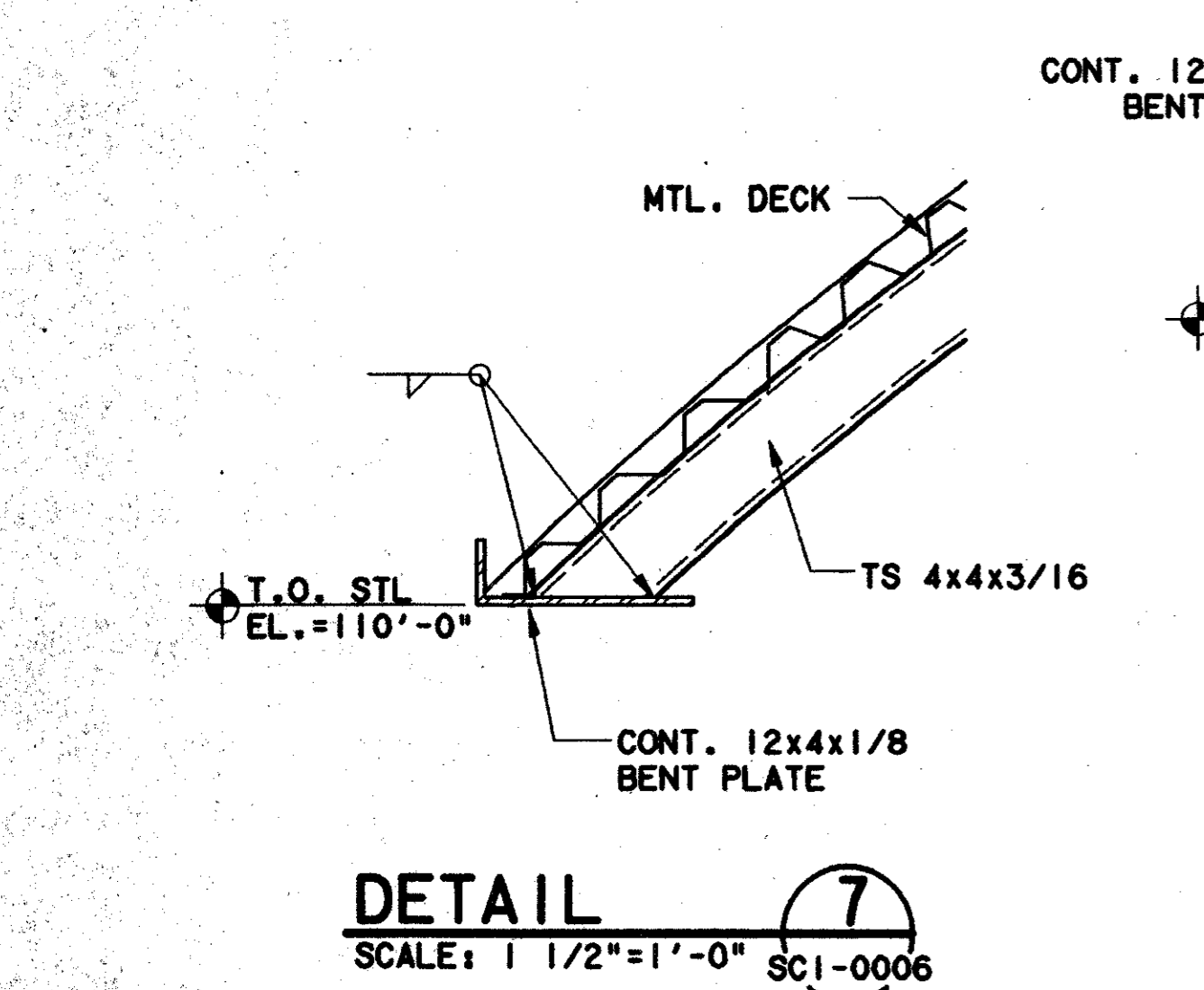
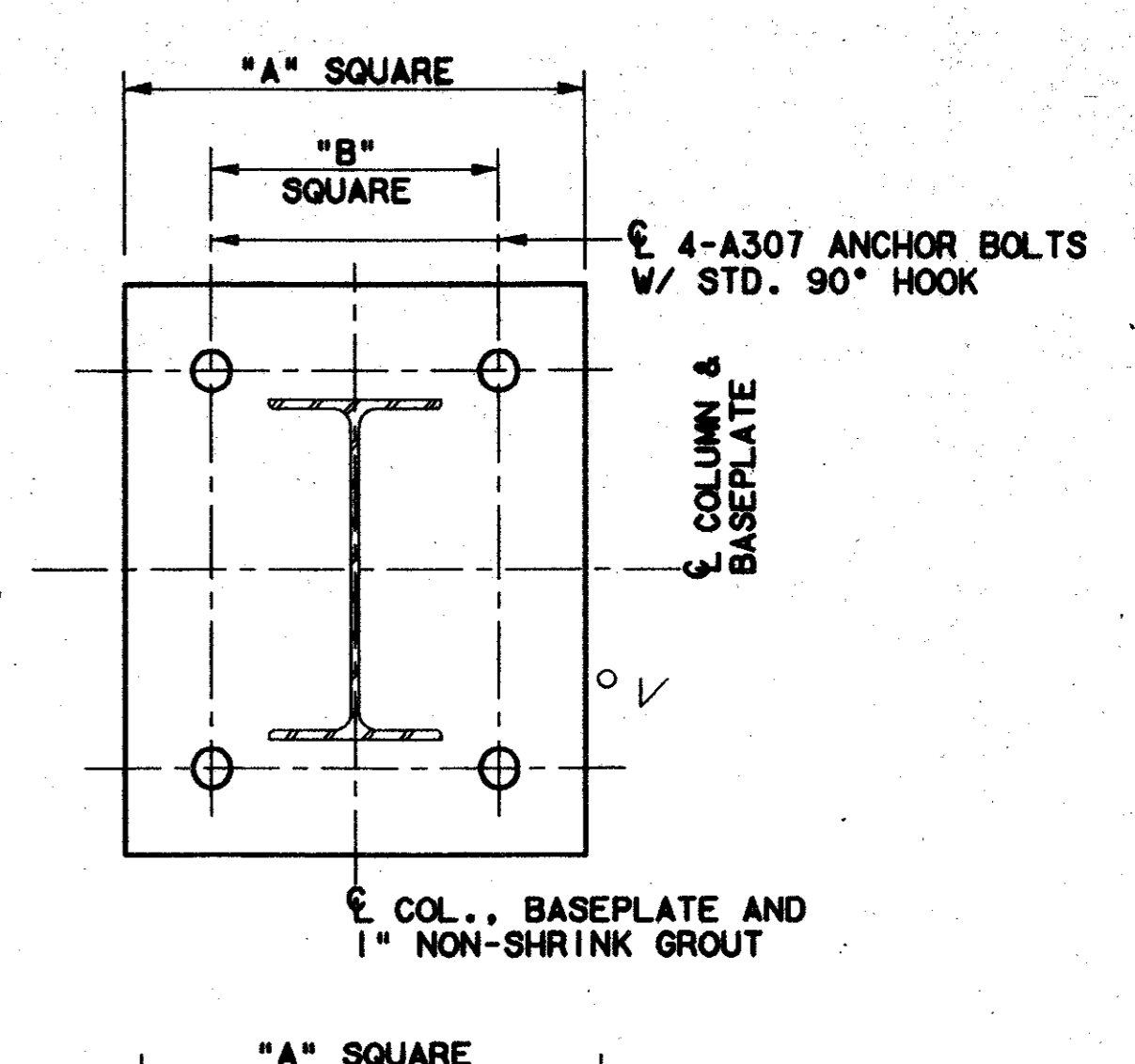
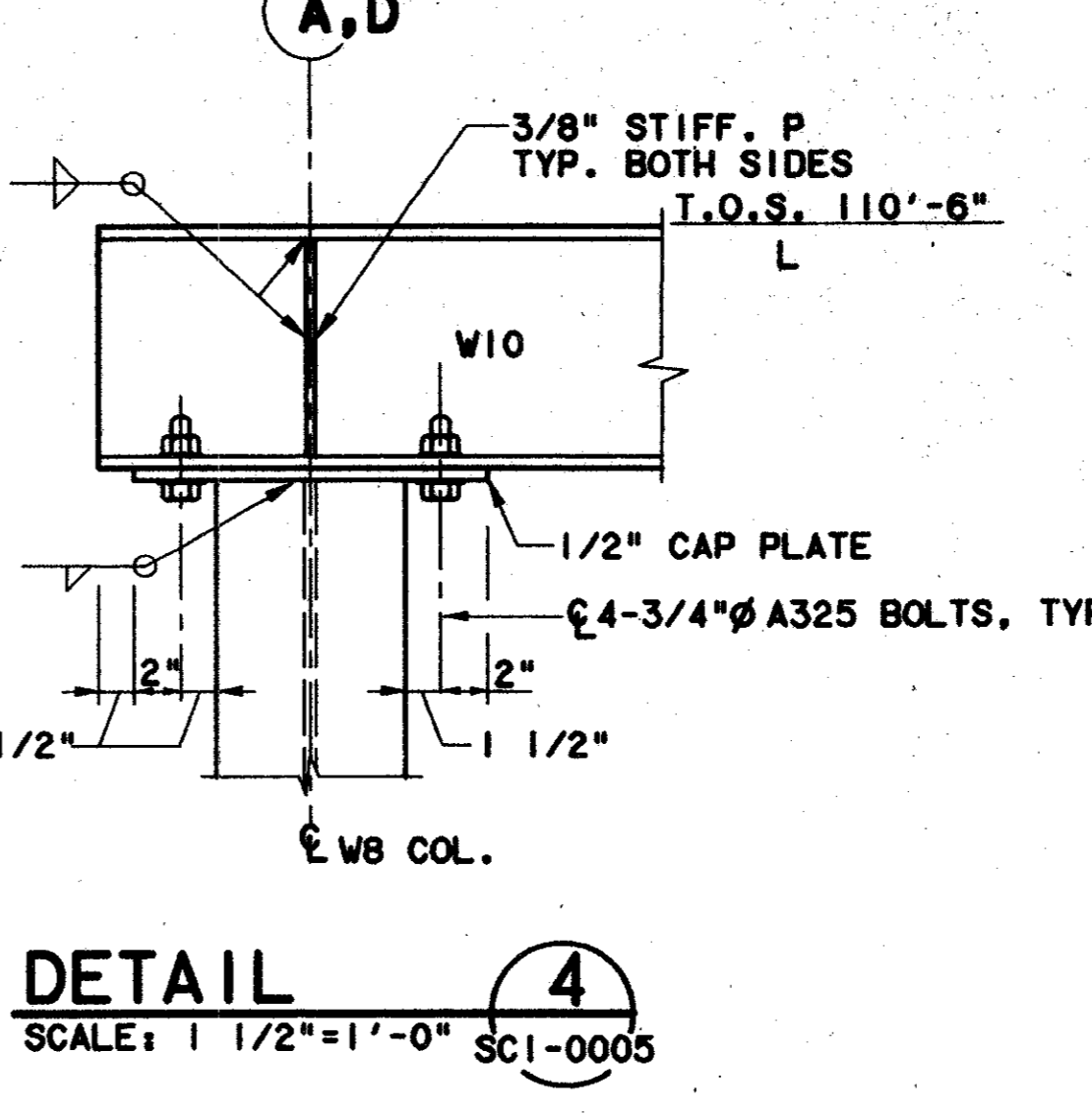
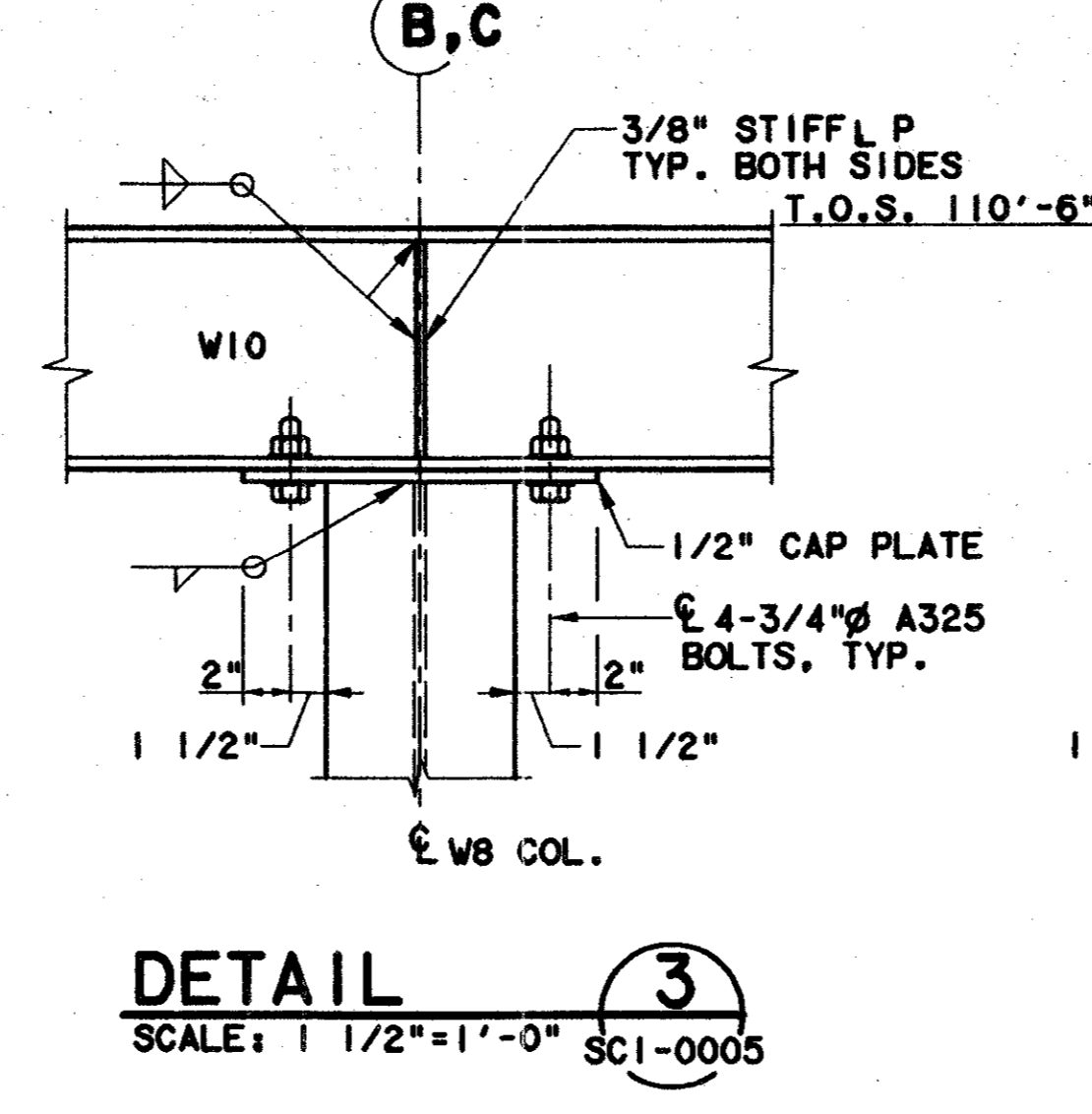
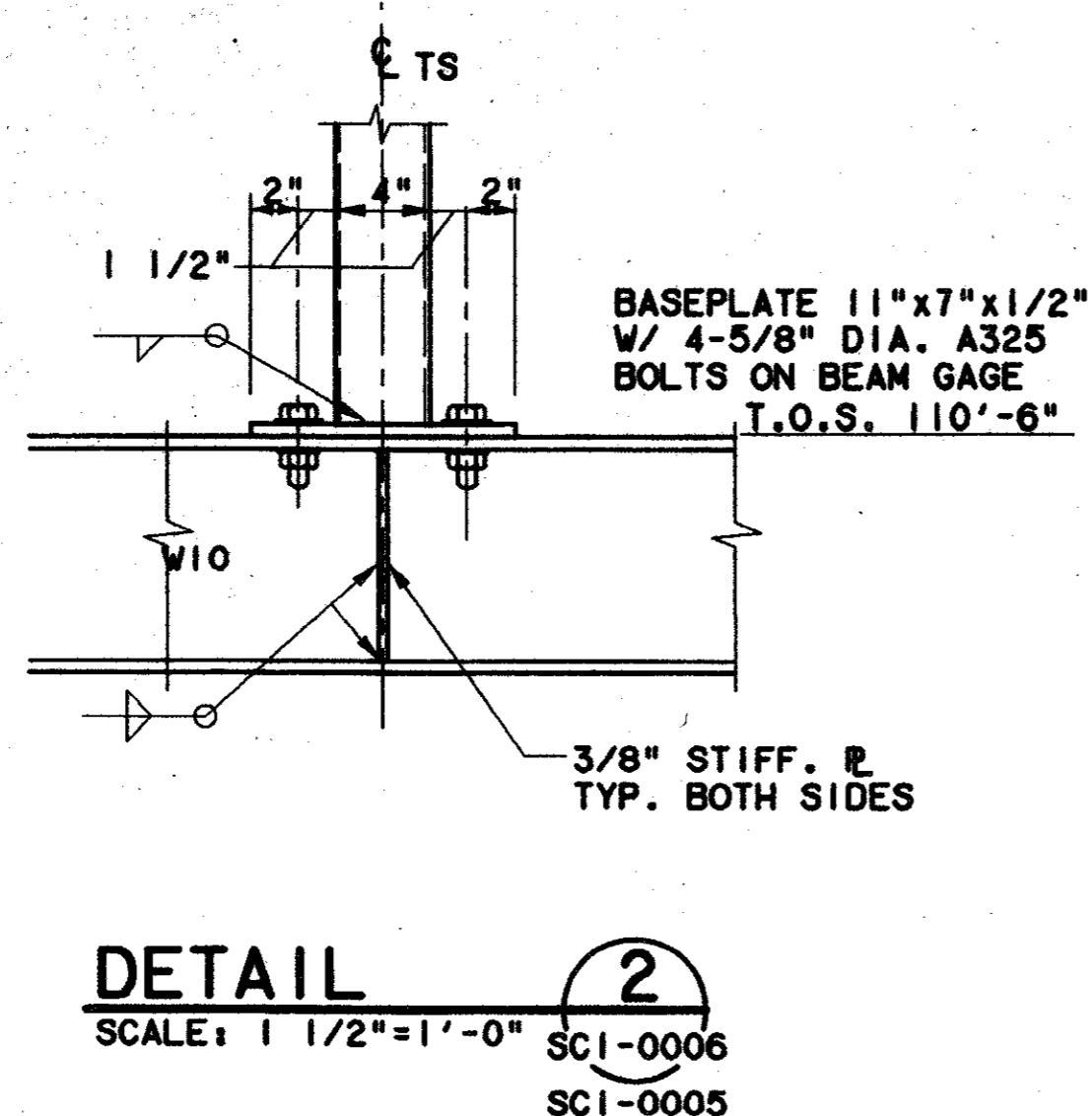
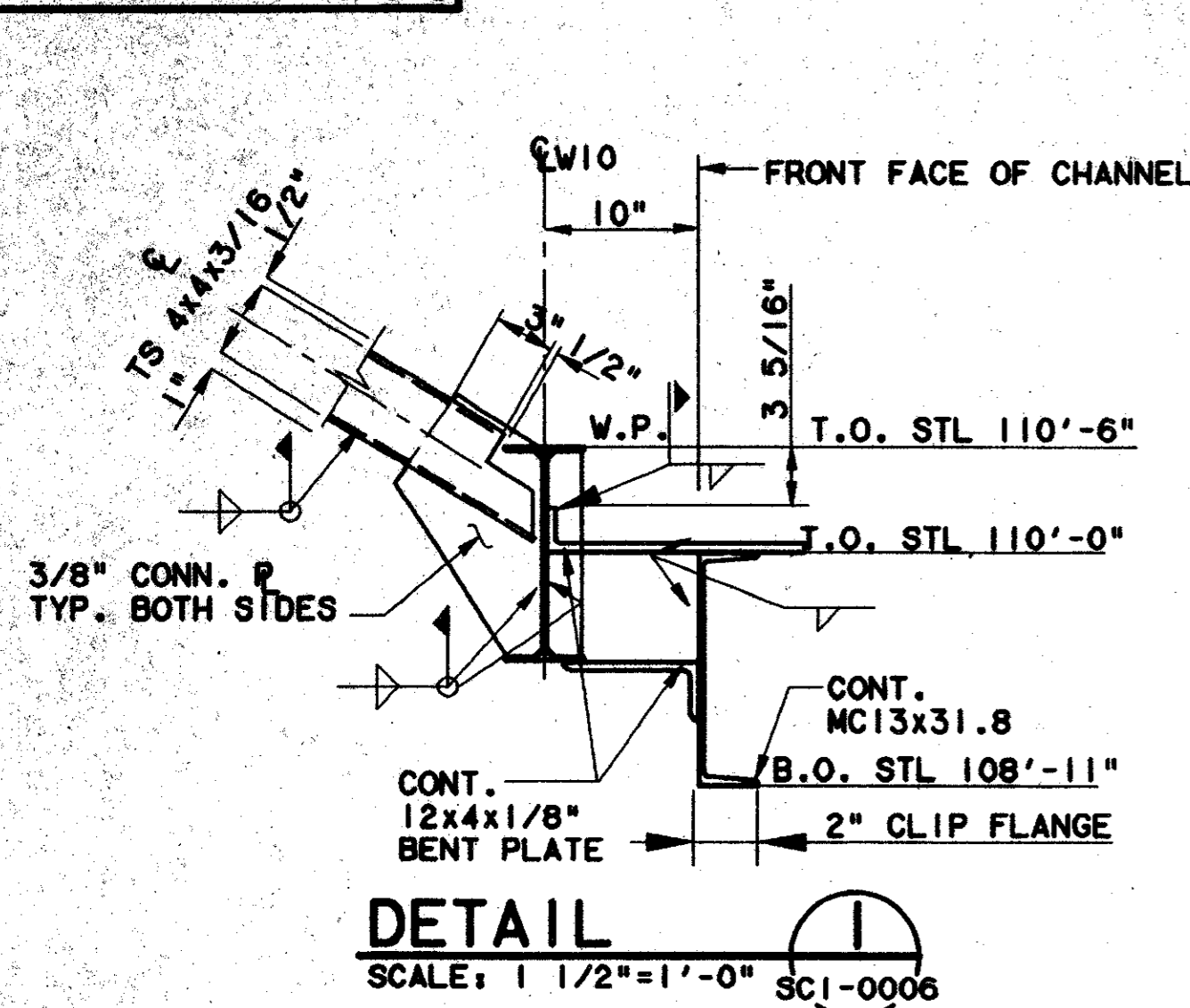
LAN
Lockwood, Andrews & Newnam, Inc.
A SUBSIDIARY OF LEO A DALY

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
825 MARKET CENTER BLVD - SUITE 510
DALLAS, TEXAS 75207
(214) 741-7777

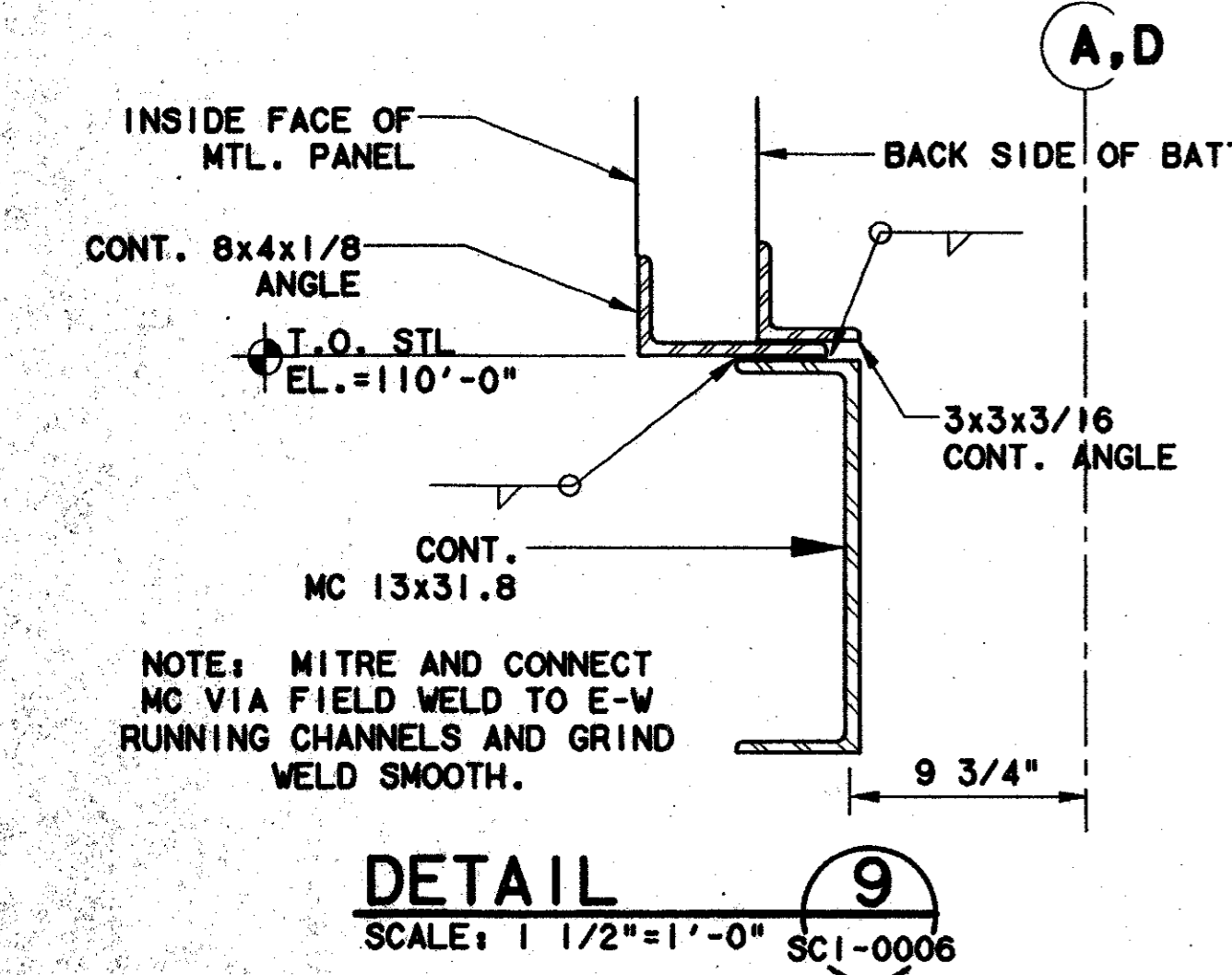


SCALE	1/4" = 1'-0"
DRAWN	V. BAND
DESIGNED	V. BAND
CHECKED	K. BURKHOLDER
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

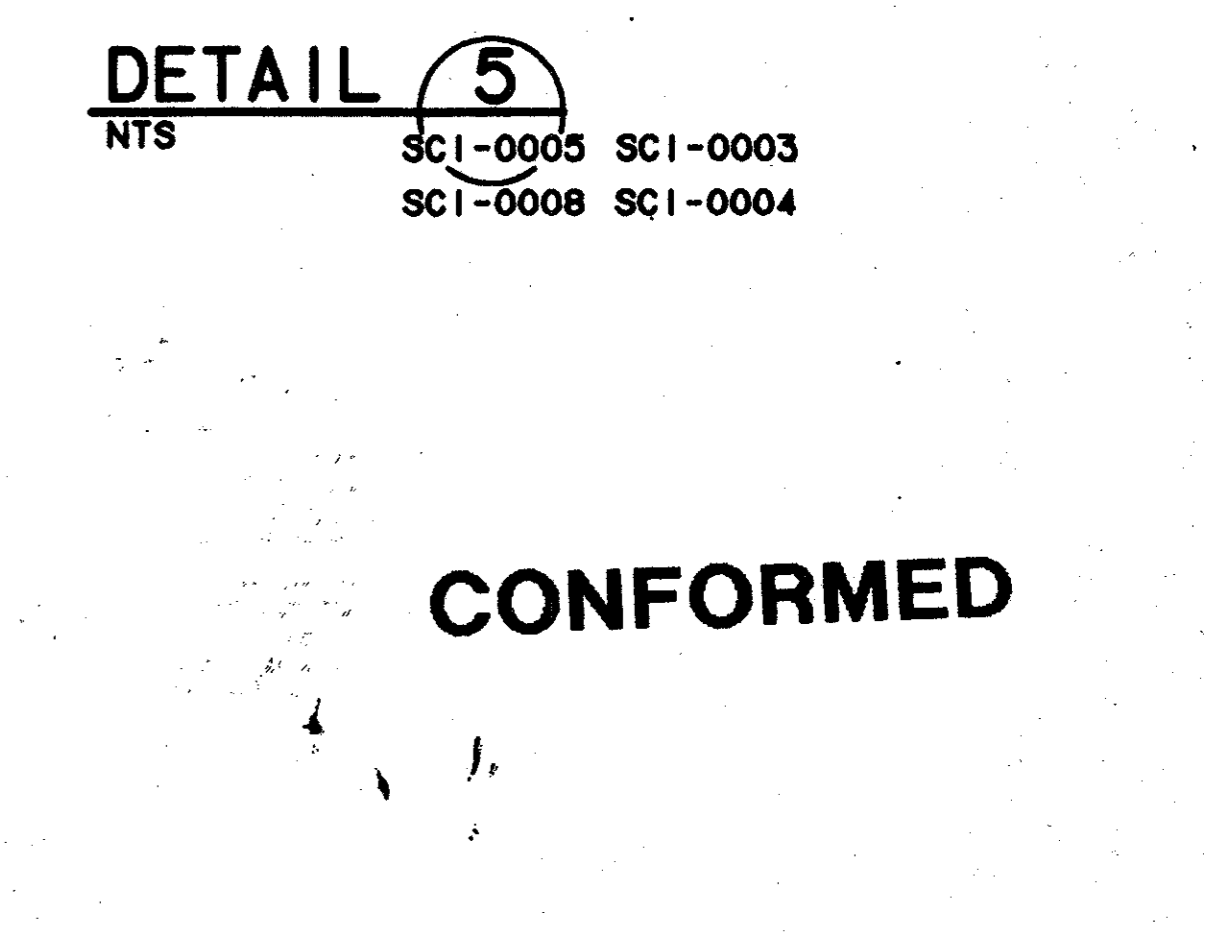
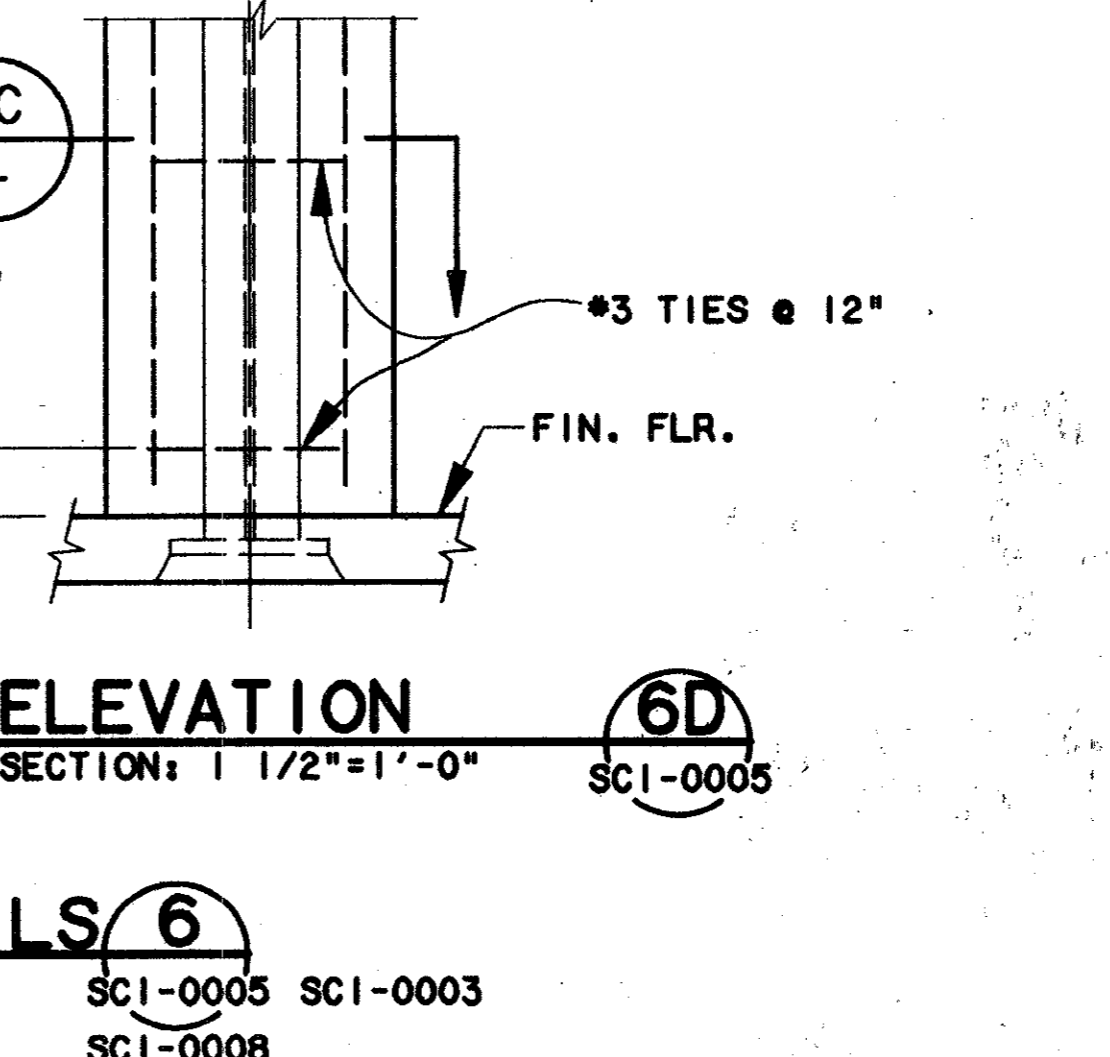
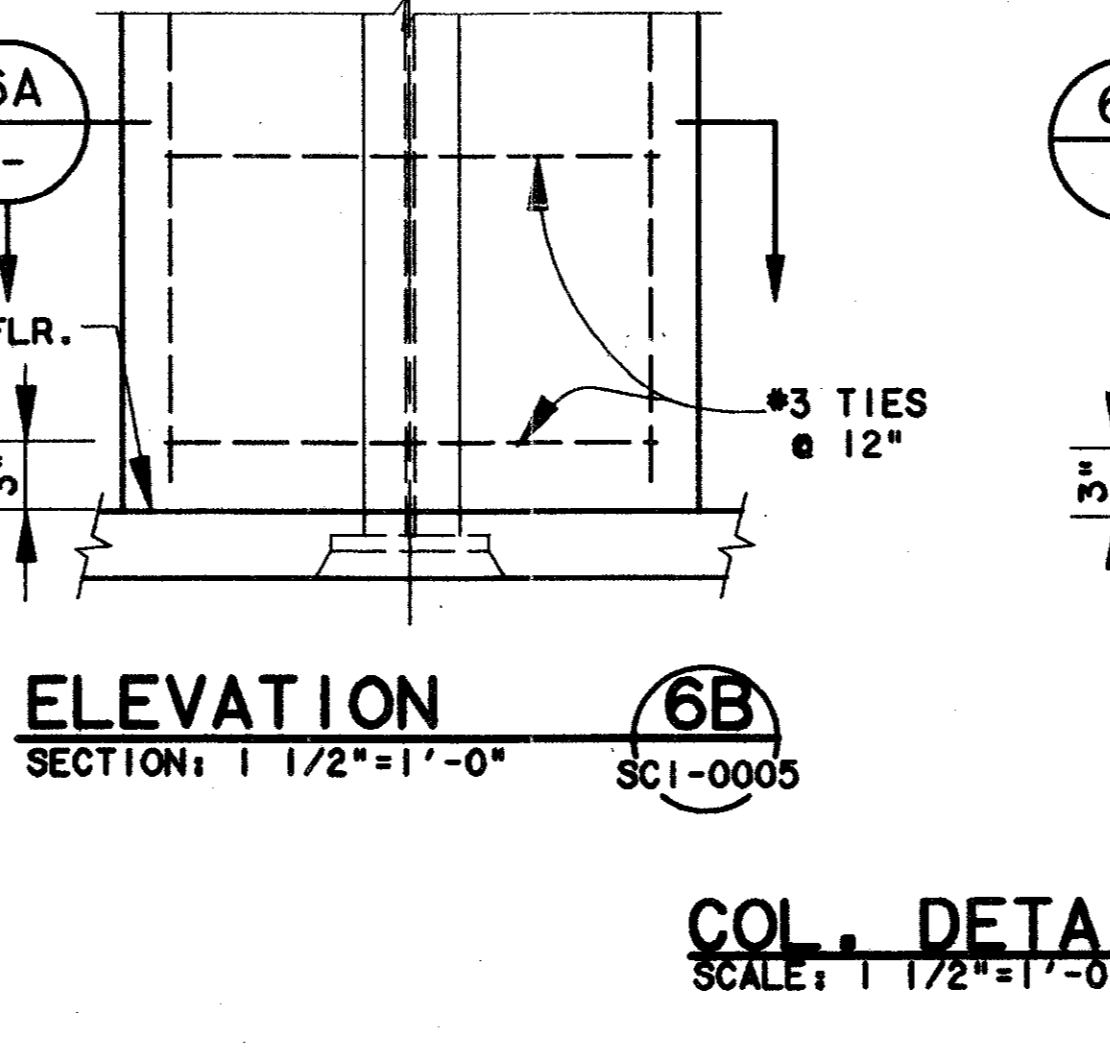
CONTRACT C-97000136 DWG No. SCI-0006 REV 0



COL.	"A"	"B"	BOLT SIZE	BOLT PROJ.	BOLT LENGTH
W8	1'-3"	11"	1"	3"	11"
TS5x5	1'-0"	8"	5/8"	3"	11"

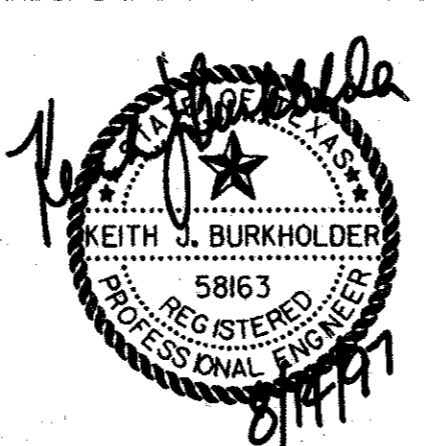


Record (As Noted) Construction
 "Have on hand this subdivision, we certify that it complies with the requirements of the contract in all respects, except as otherwise indicated."
 Contract Number: 97000136
 Company Name: LOCKWOOD, ANDREWS & NEWNAM, INC.
 Officer or Firm Signature: [Signature]
 Date: [Date]
 Title of Officer: PRESIDENT
 Seal of Professional Engineer of Construction, Contracting, Consulting and related specialties, including record preparation and related specialties, including record preparation drawing for as-built conditions, shall be placed below.



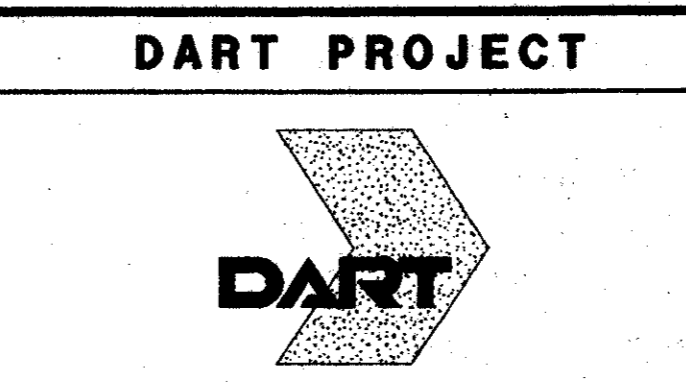
CONFORMED

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



lan
 Lockwood, Andrews & Newnam, Inc.
 A SUBSIDIARY OF LEO A DALY

WLA
 WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 825 MARKET CENTER BLVD - SUITE 50
 DALLAS, TEXAS 75207
 (214) 746-7777

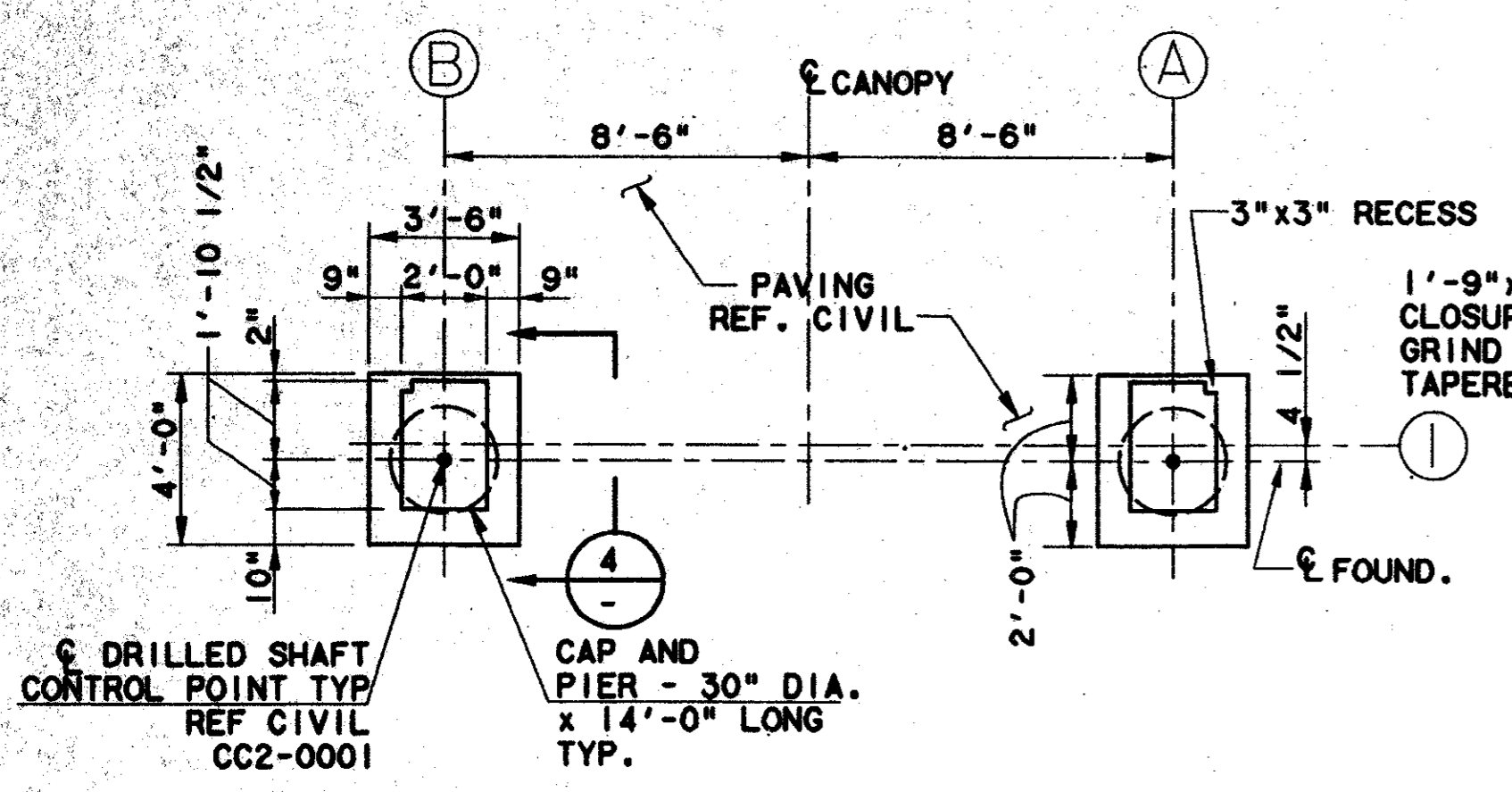


SCALE	1/4" = 1'-0"
DRAWN	P.R. MASON
DESIGNED	V. BAND
CHECKED	K. BURKHOLDER
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

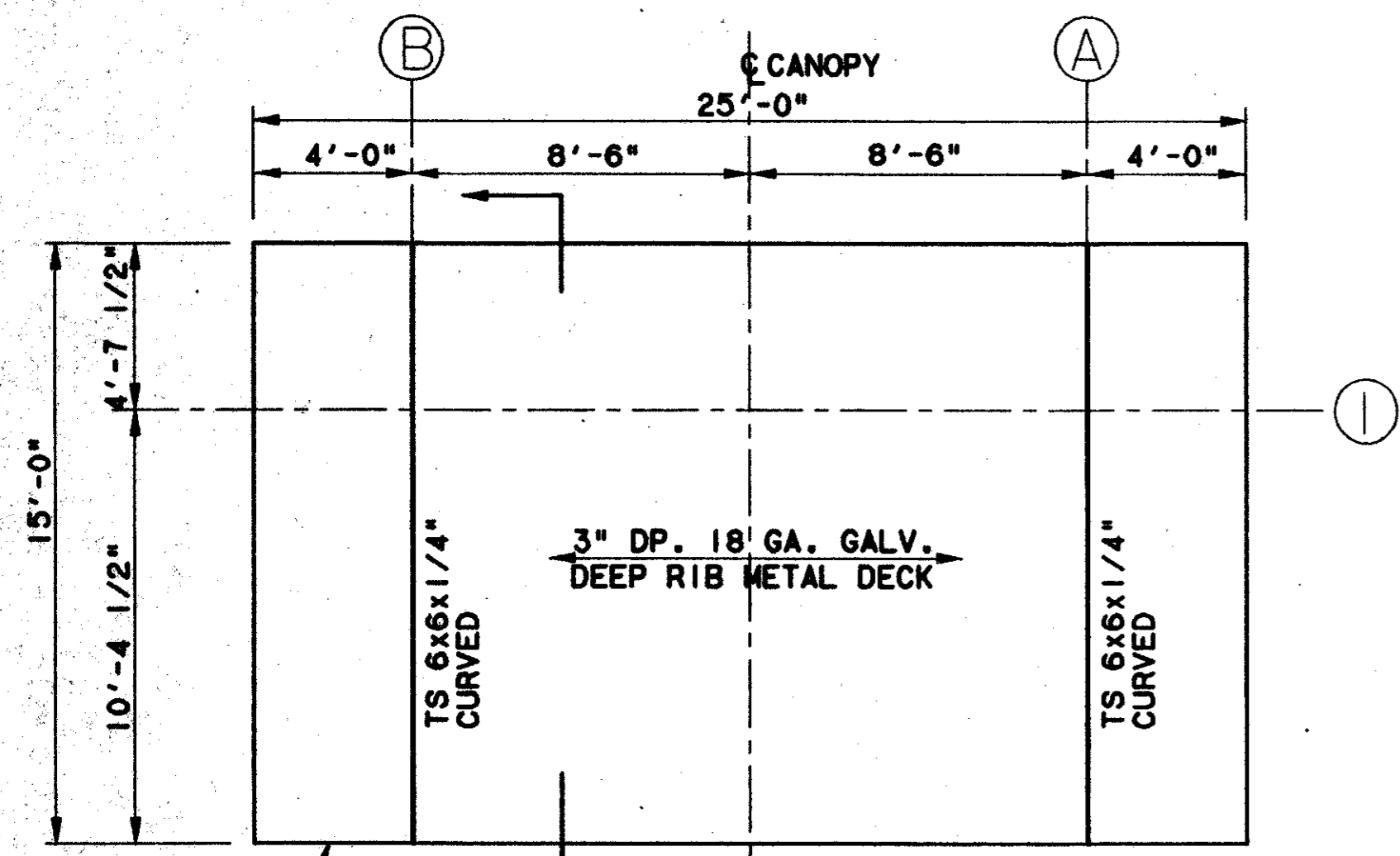
CONTRACT SHEET No. 78 OF 95

ADDISON TRANSIT CENTER
 ENCLOSURE STEEL DETAILS

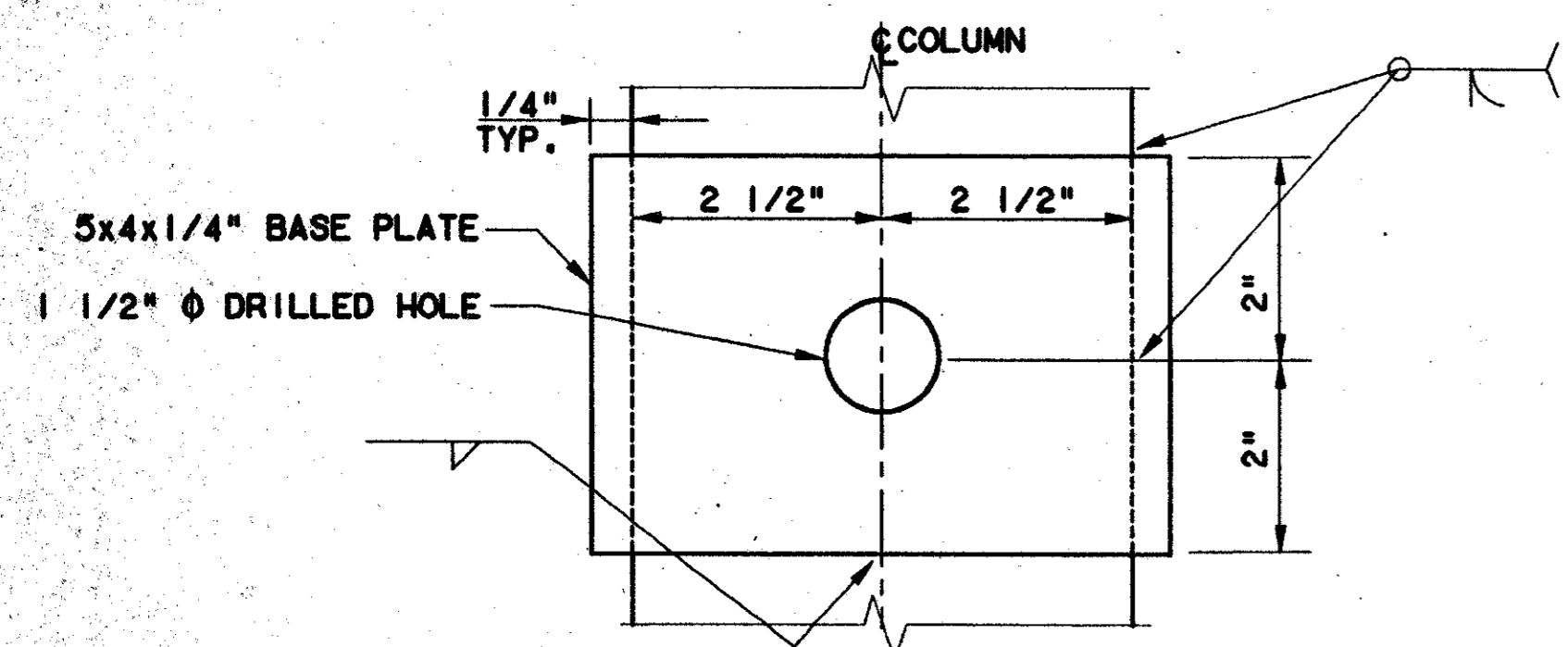
CONTRACT C-97000136 DWG No. SCI-0007 REV 0



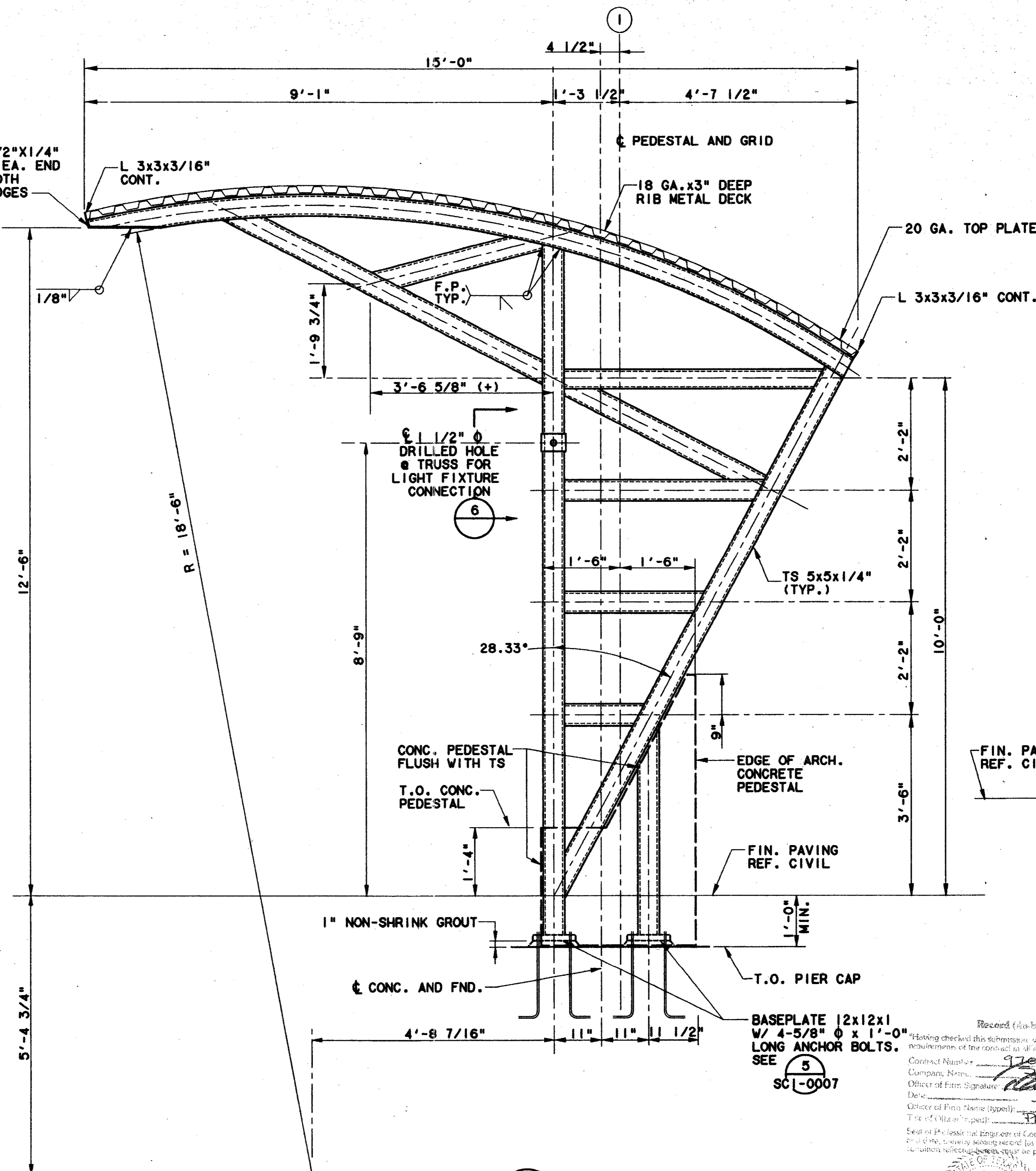
FOUNDATION PLAN 1
SCALE: 1/4"=1'-0"



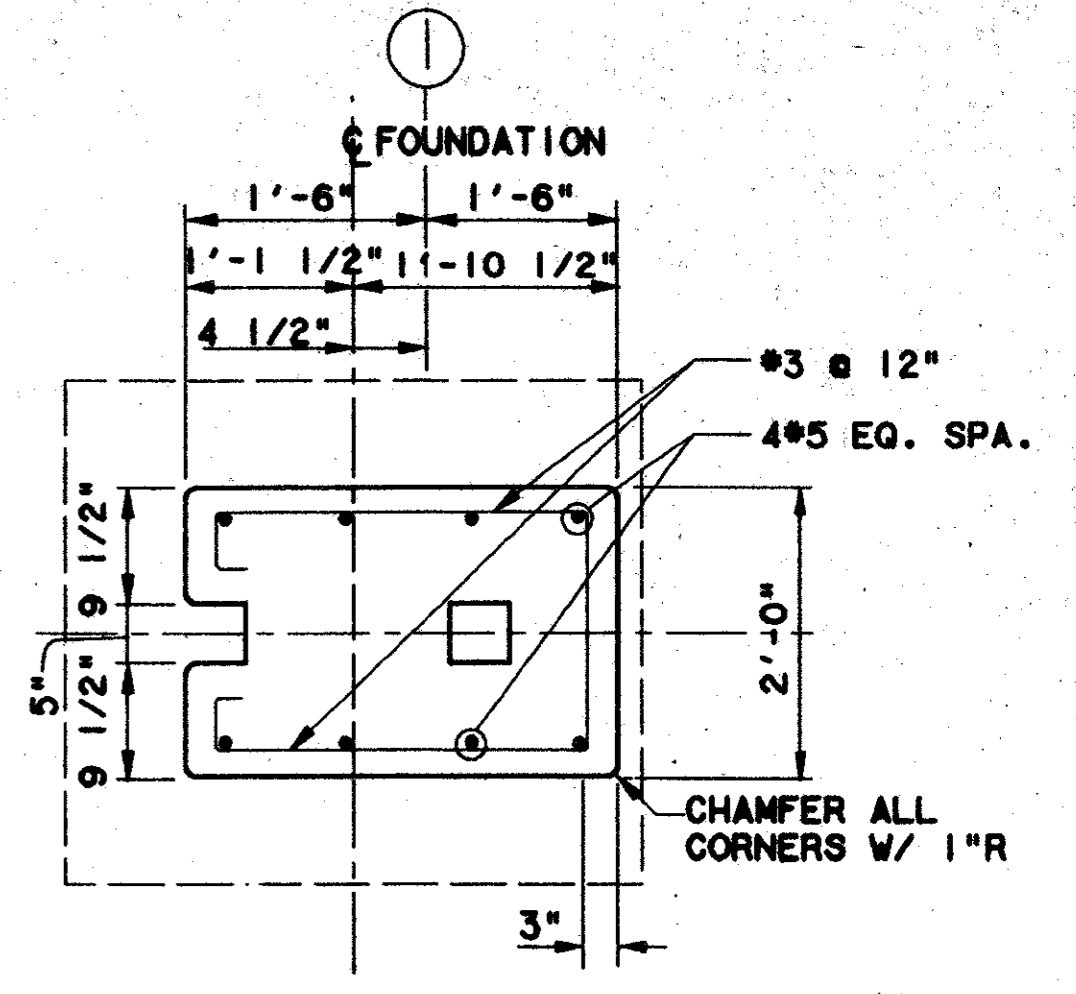
ROOF FRAMING PLAN 2
SCALE: 1/4"=1'-0"



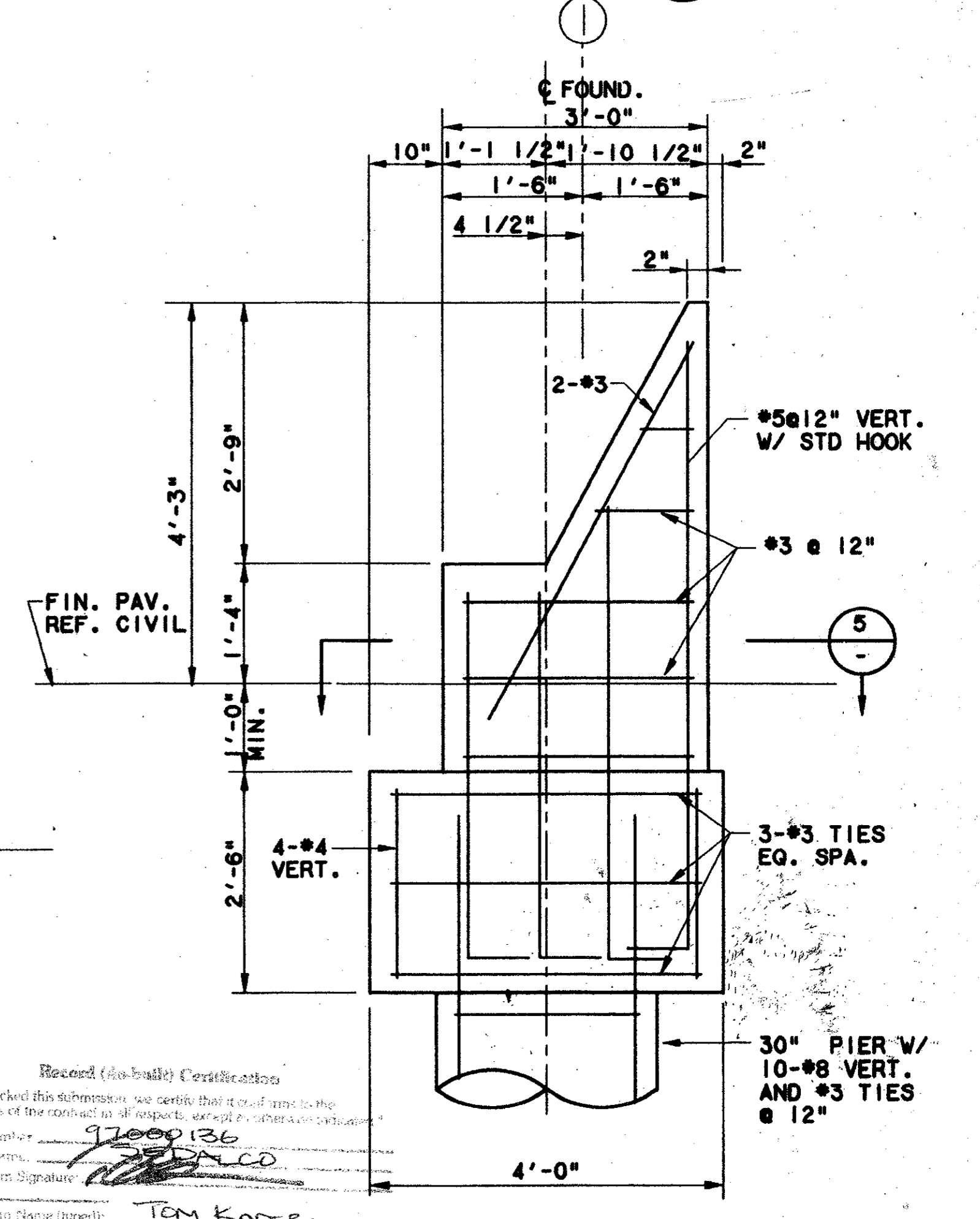
LIGHT FIXTURE BASEPLATE 6
SCALE: 1/4"=1'-0"



SECTION 3
SCALE: 3/4"=1'-0"

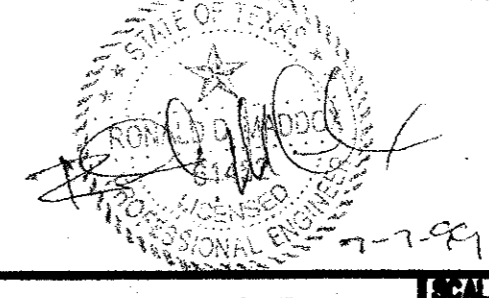


SECTION 5
SCALE: 3/4"=1'-0"



SECTION 4
SCALE: 3/4"=1'-0"

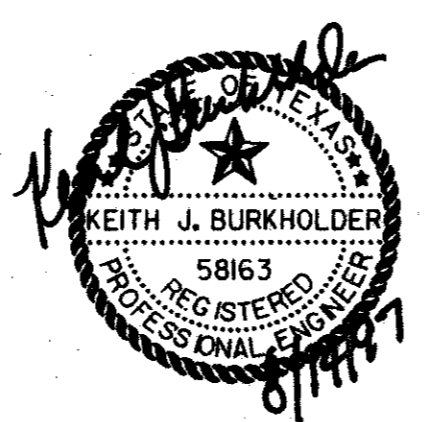
Record (As-Built) Certification
Having checked this submission, we certify that it conforms to the requirements of the contract in all respects, except as stated below.
Contract Number: 97000136
Company Name: WEA
Official of Firm Signature: [Signature]
Date: [Date]
Official of Firm Name (Typed): TOM KADE
Title of Official (Typed): PRESIDENT
Seal of Professional Engineer or Construction Contractor, including registration number, date, and any other information required for accuracy of as-built certification, shall be placed below.



CONFORMED

CONTRACT SHEET No. 79 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



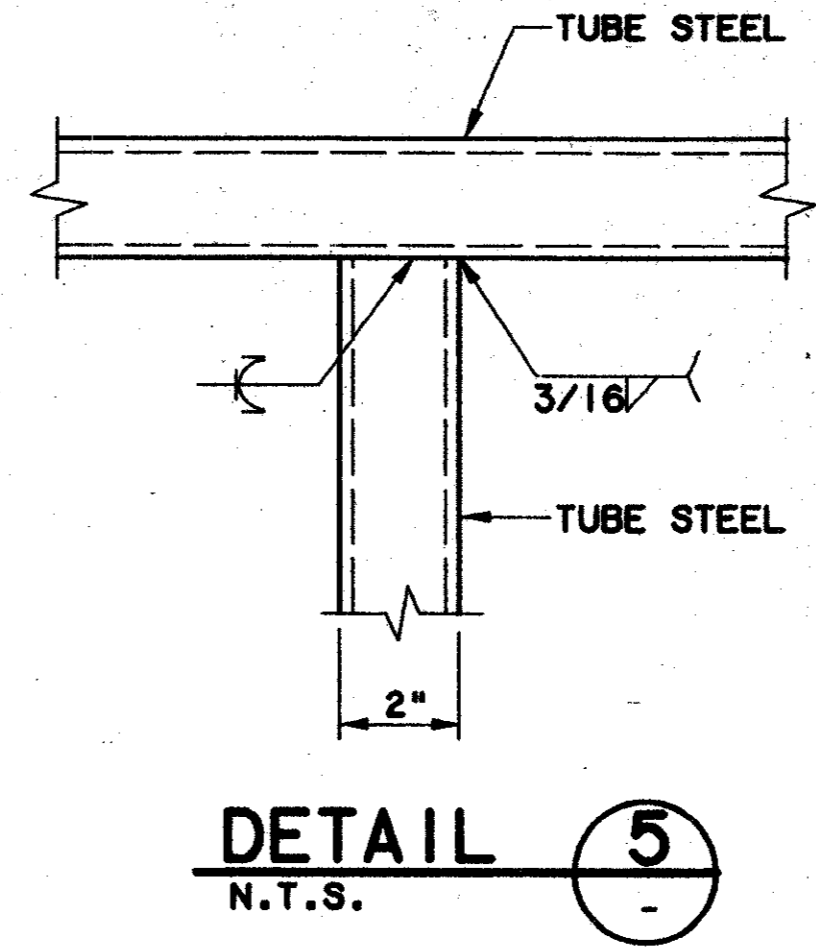
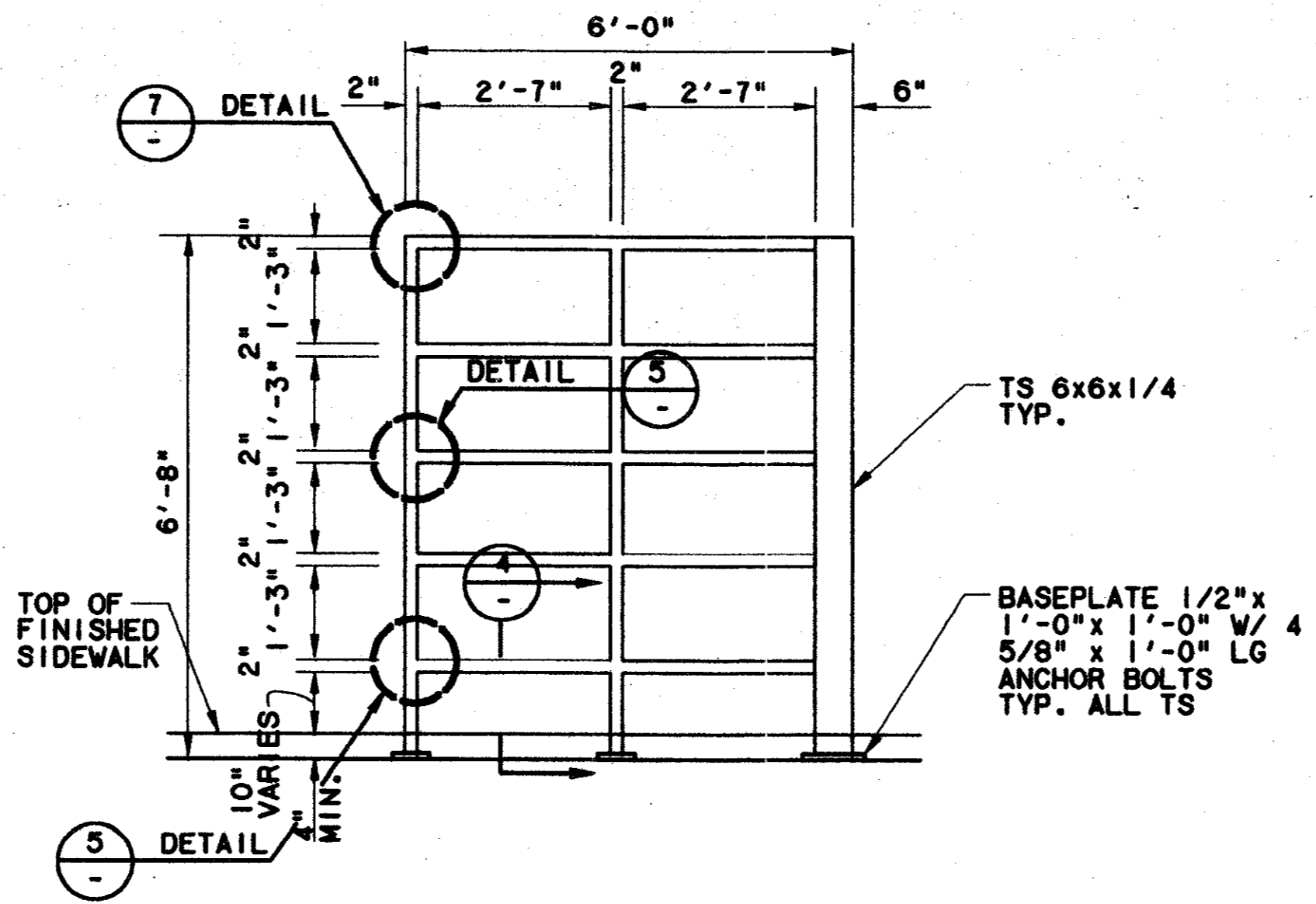
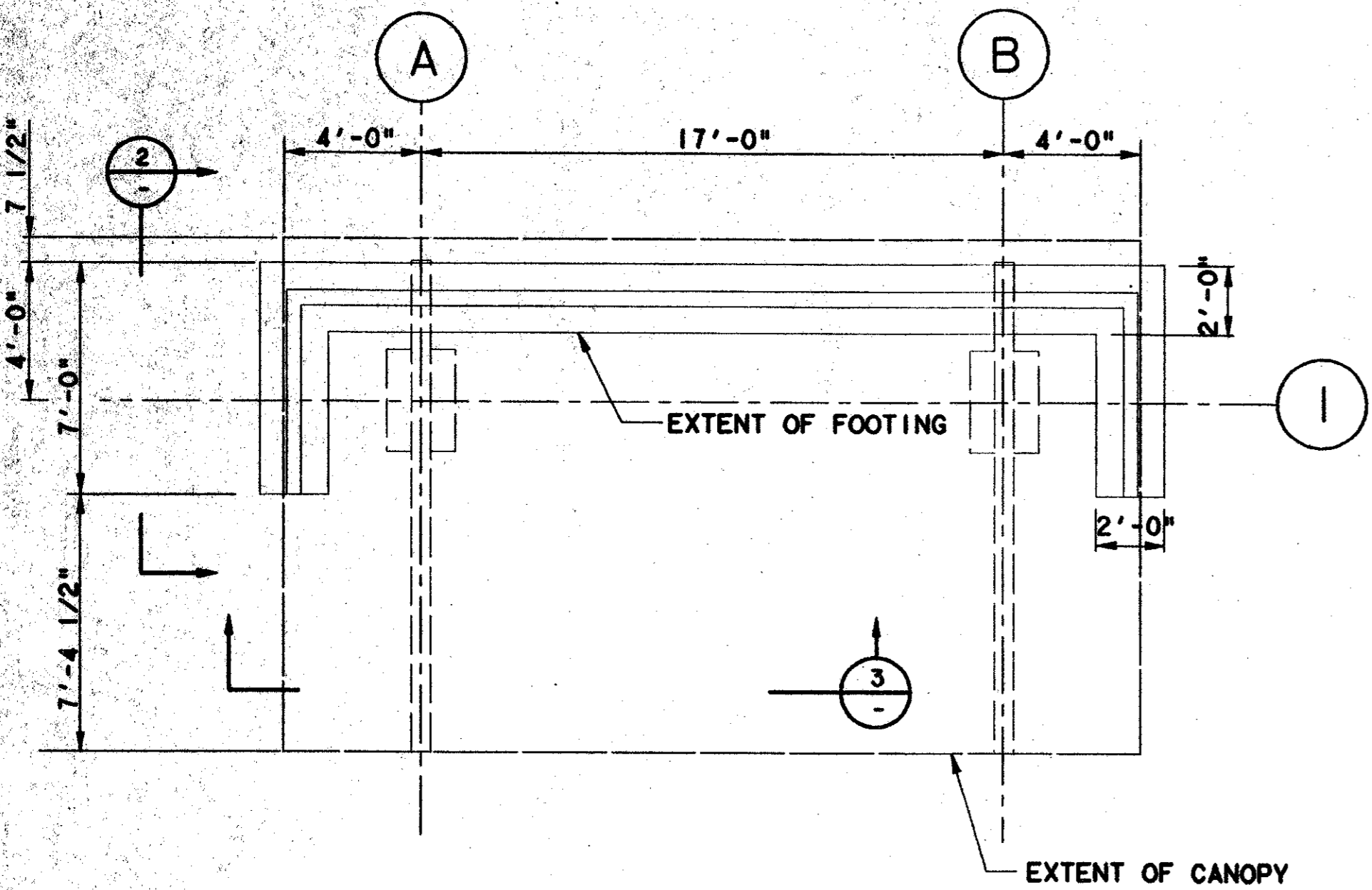
LAN
Lockwood, Andrews & Newnam, Inc.
A SUBSIDIARY OF LEO A DALY

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
825 MARKET CENTER BLVD - SUITE 50
DALLAS, TEXAS 75207
(214) 741-7777

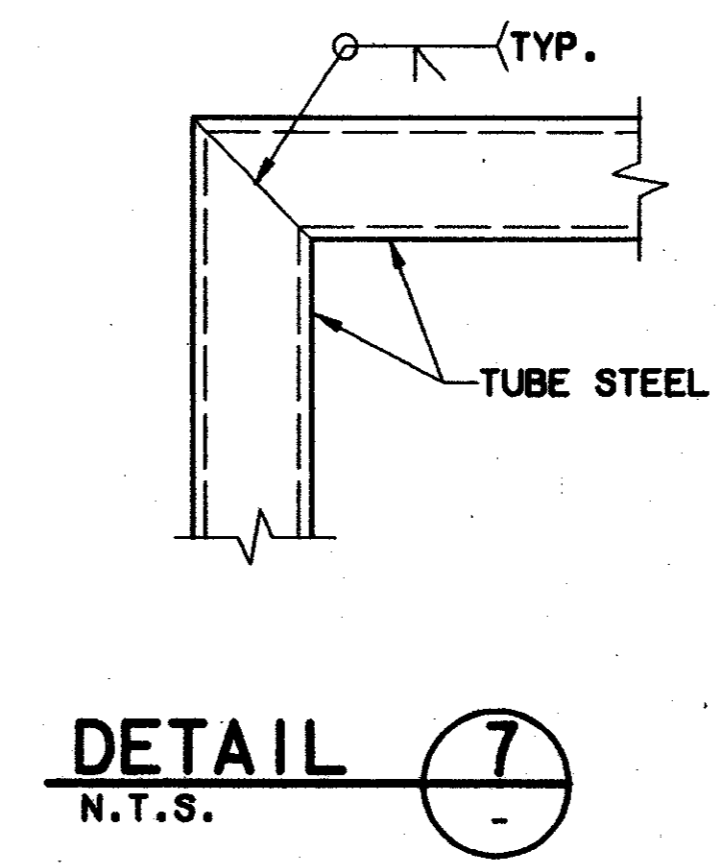
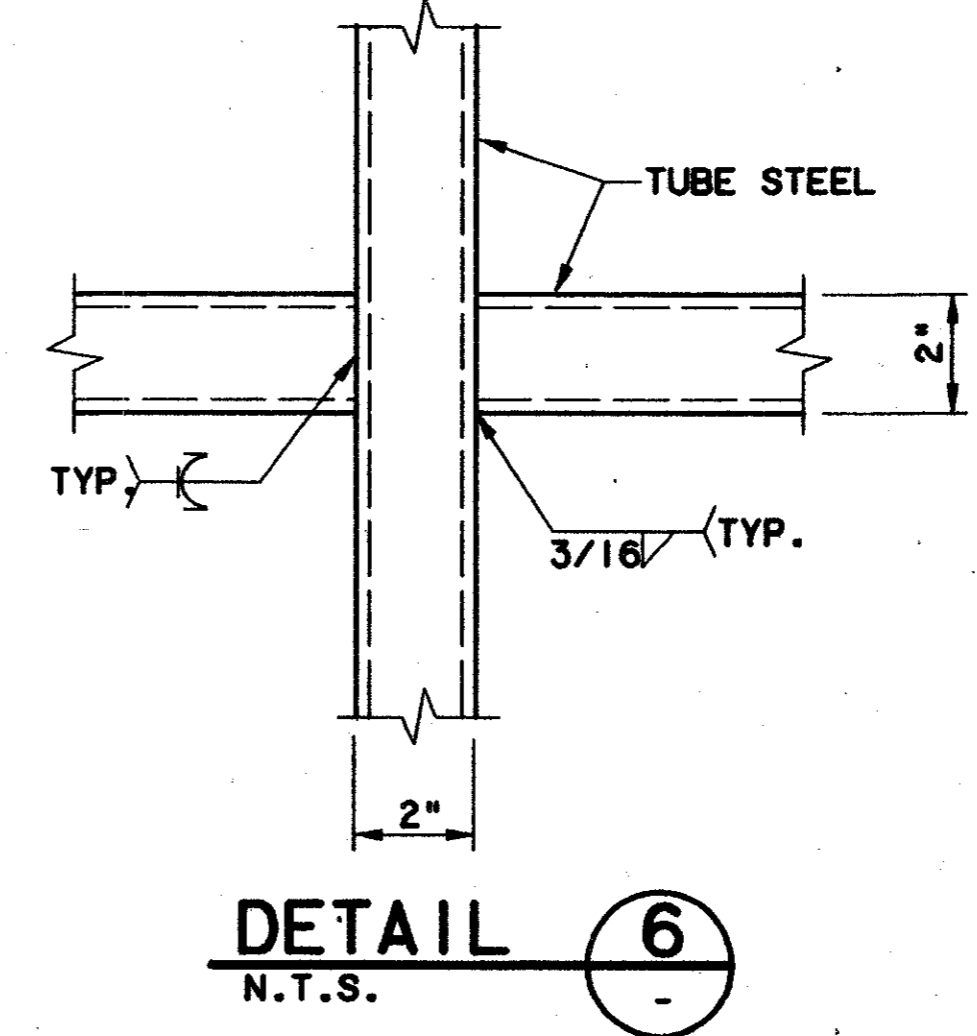
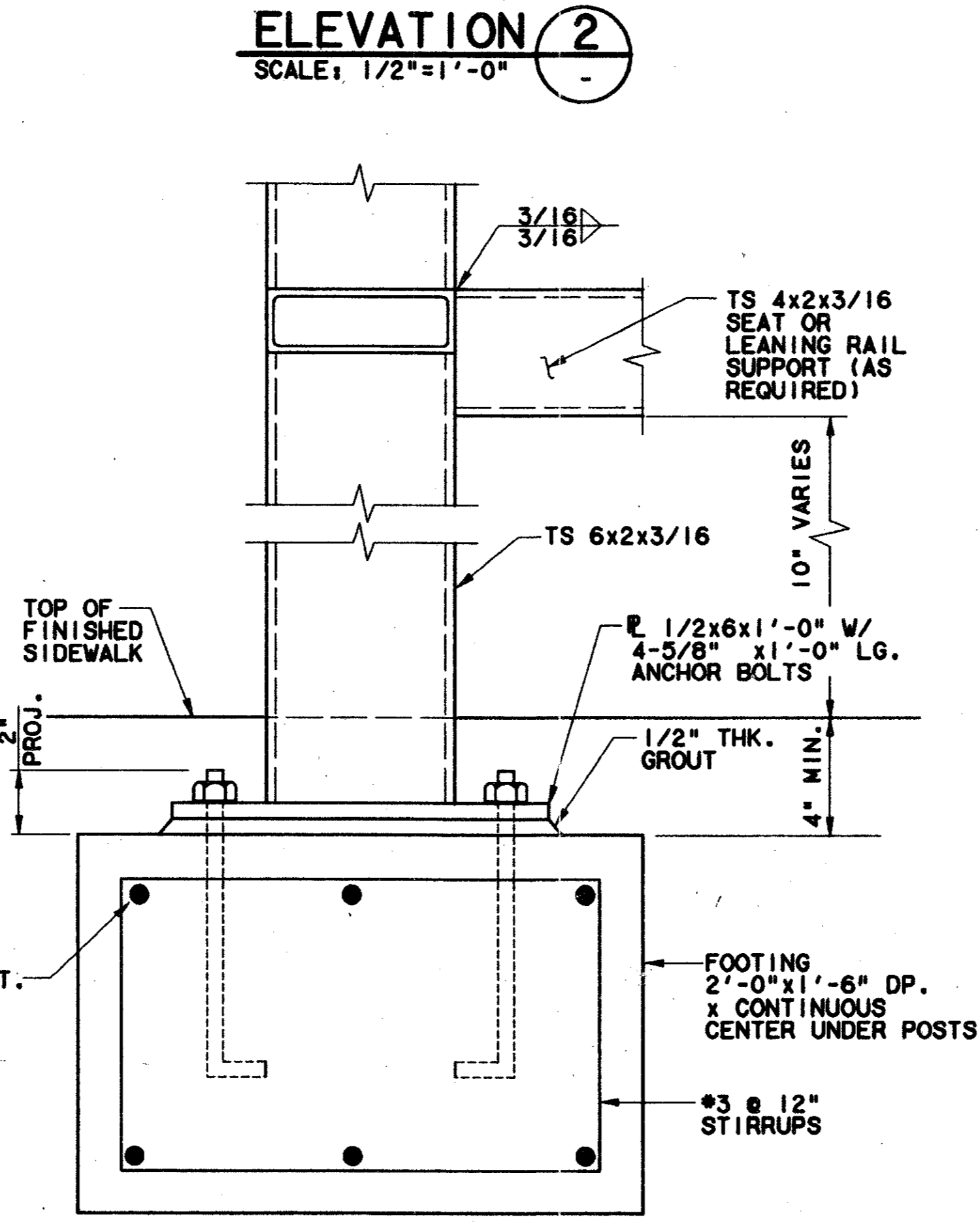
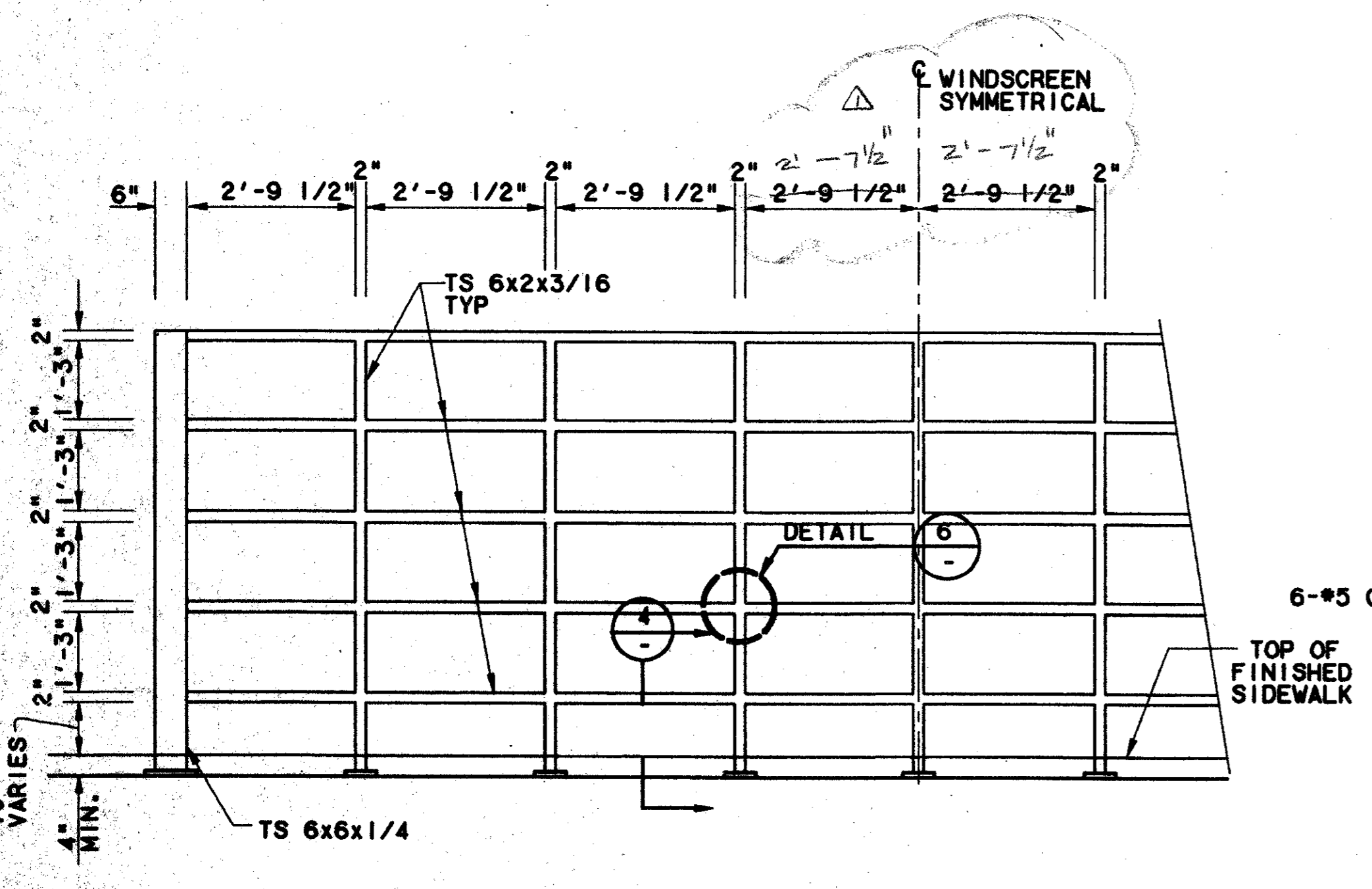
DART PROJECT

SCALE: AS NOTED
DRAWN: P.R. MASON
DESIGNED: V. BAND
CHECKED: K. BURKHOLDER
IN CHARGE: V. STEVENS
DATE: 14 AUGUST 97

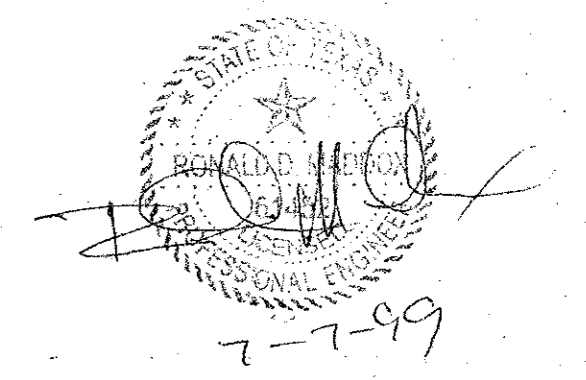
ADDISON TRANSIT CENTER
CANOPY FOUNDATION AND FRAMING PLAN
CONTRACT C-97000136 DWG No. SCI-0008 REV 0



- NOTES:
1. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND CONFIGURATION OF WINDSCREENS.
 2. GRIND ALL WELDS SMOOTH.



Record (As-built) Certification
Having checked the submission, we certify that it conforms to the requirements of the contract in all respects, except as otherwise indicated.
Contract Number: 97000136
Company Name: WEAVER
Office of Firm Signature: [Signature]
Date: 8/14/97
Title of Official: TOM KADER, PRESIDENT
Seal of Professional Engineer: [Seal]
and date of issue: 8/14/97
Contractor's name, address and phone number: [Information]



CONFORMED

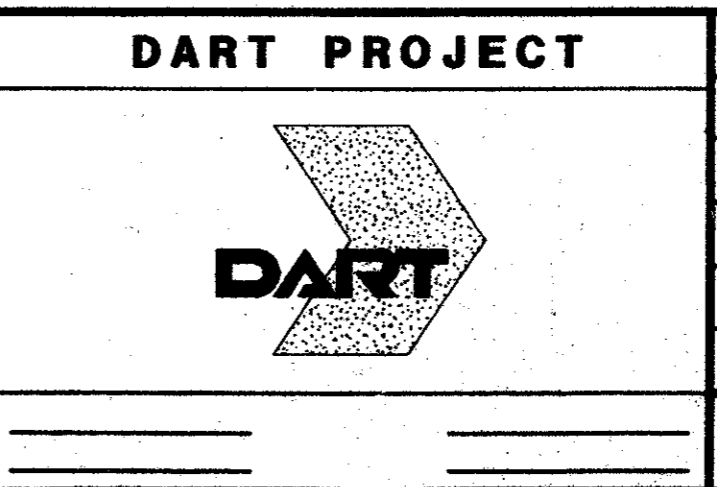
CONTRACT SHEET No. 80 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
1	8/30/99	RECORD (AS BUILT) DRAWINGS											



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A SUBSIDIARY OF LEO A DALY

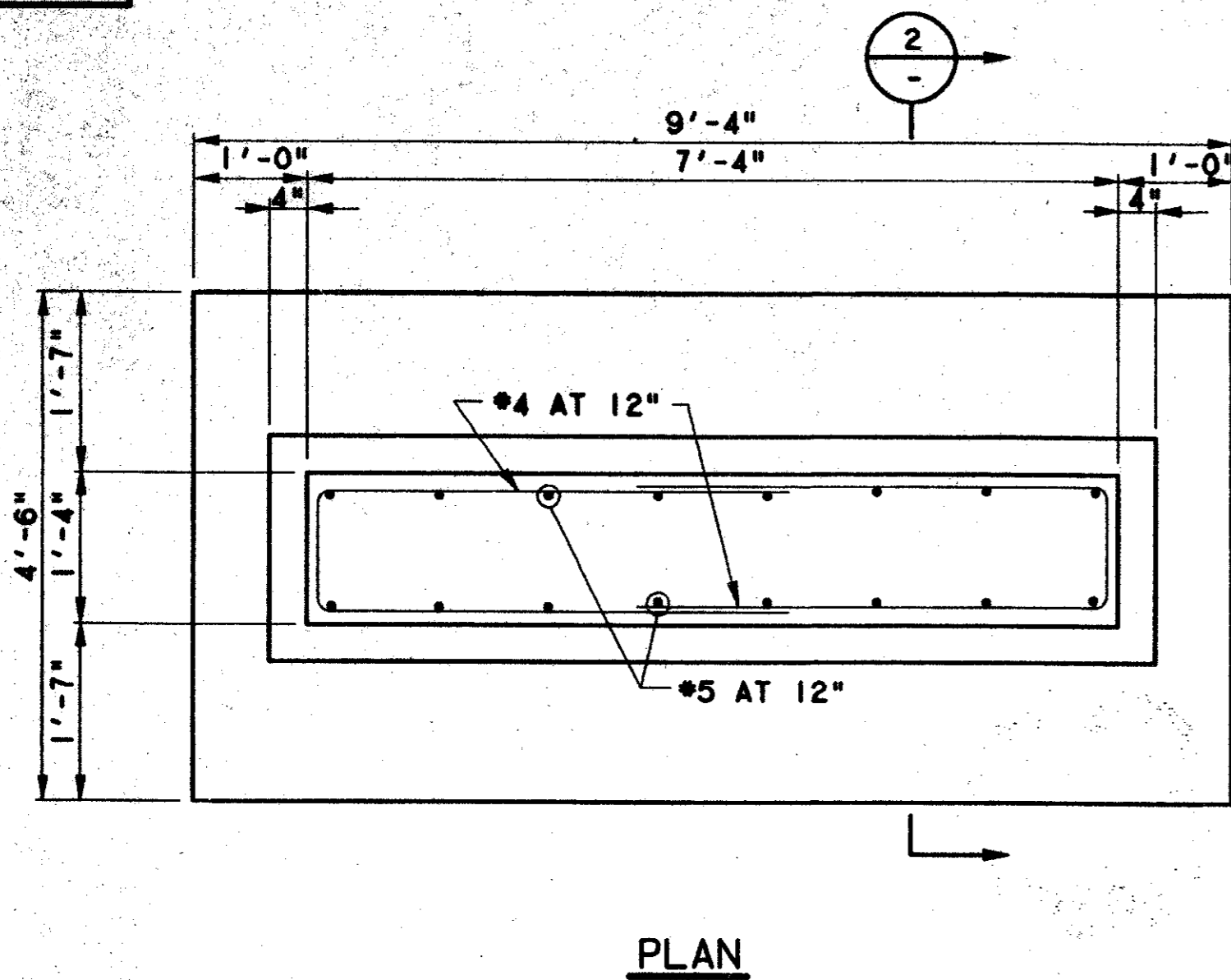
WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
825 MARKET CENTER BLVD - SUITE 510
DALLAS, TEXAS 75207
(214) 748-7777



SCALE	AS NOTED
DRAWN	V. BAND
DESIGNED	V. BAND
CHECKED	K. BURKHOLDER
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

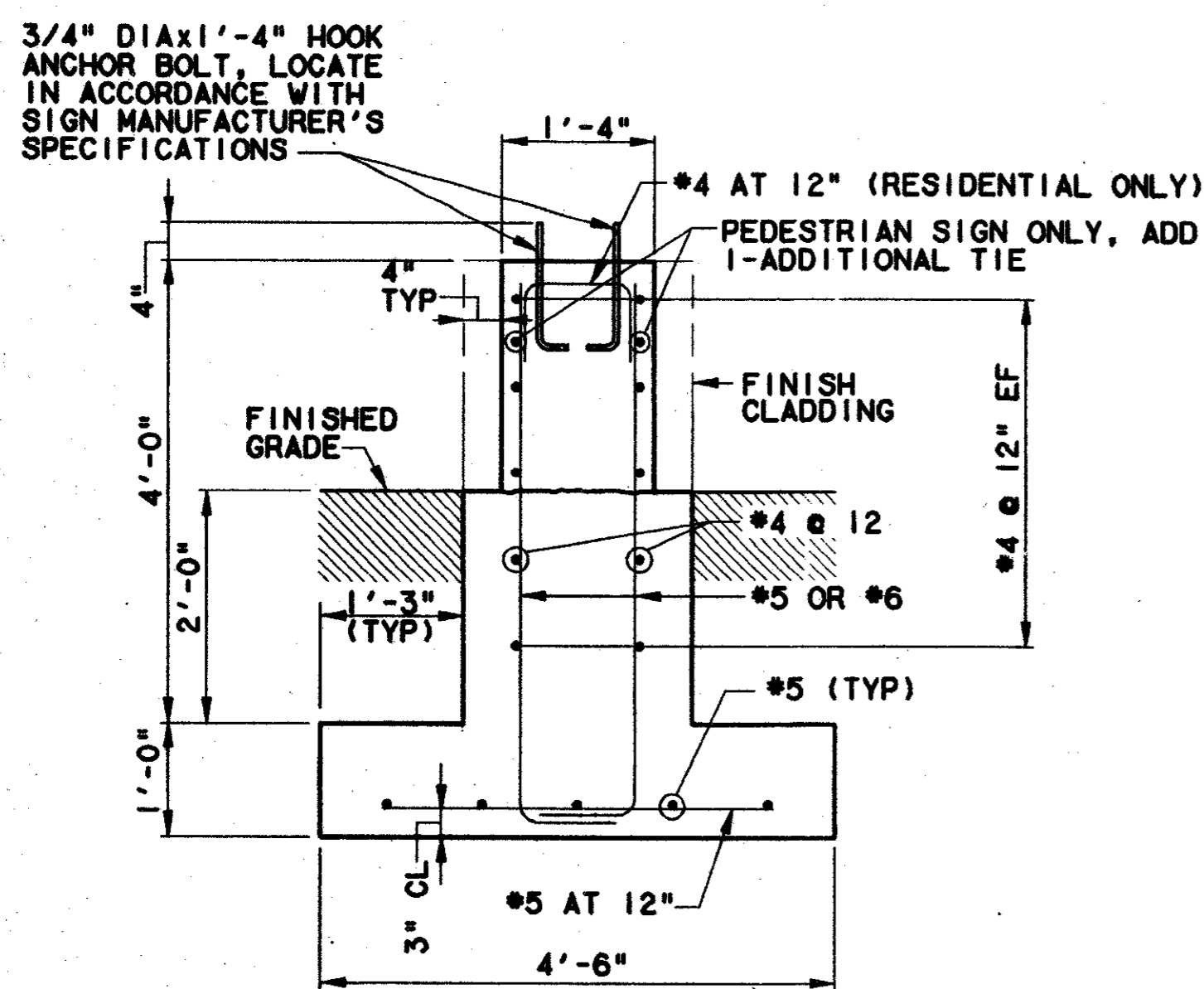
ADDISON
TRANSIT CENTER
CANOPY WINDSCREEN DETAILS

CONTRACT C-97000136 DWG No. SC1-0009 REV 01



RESIDENTIAL ZONE SITE SIGN SUPPORT DETAIL

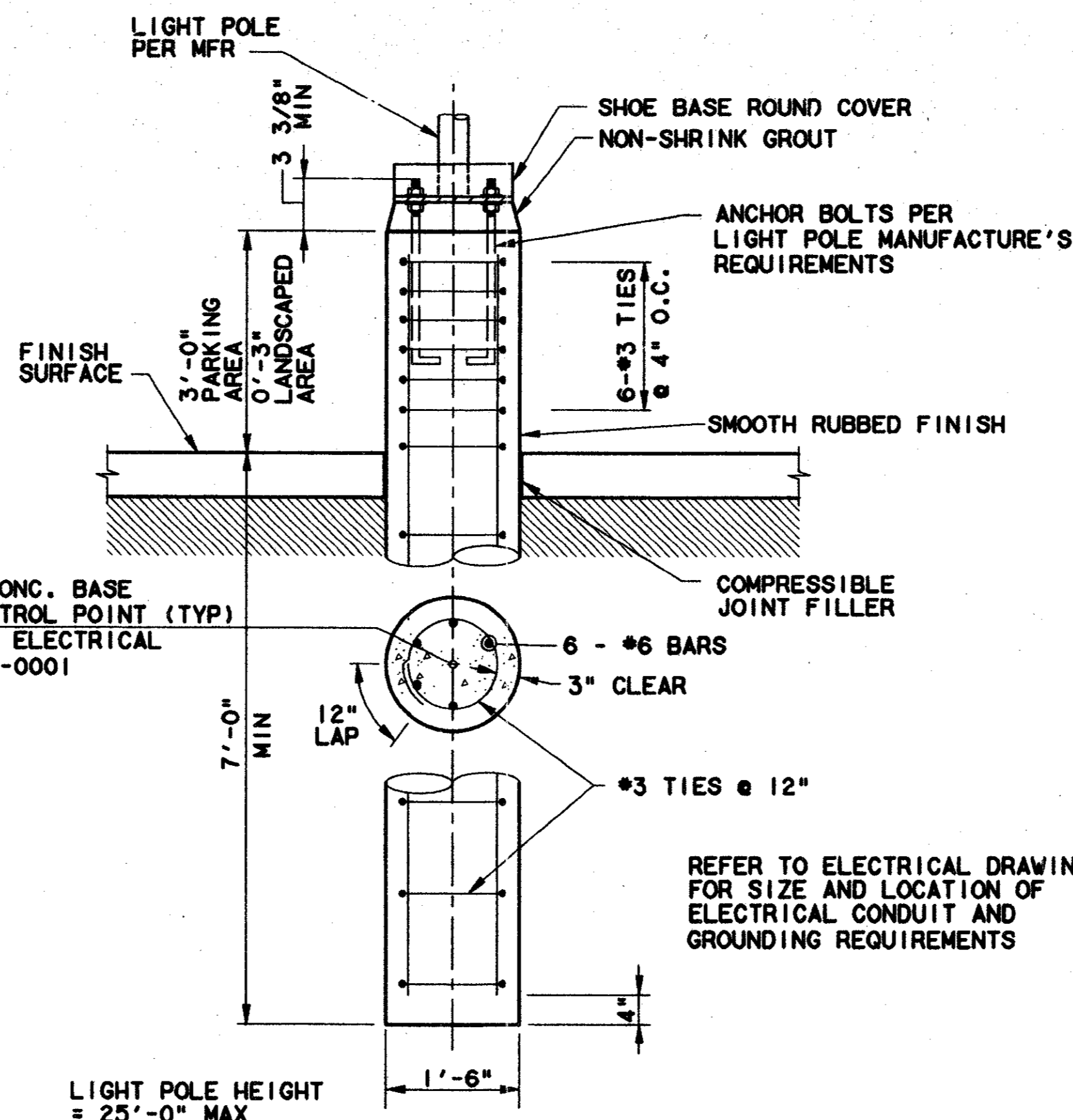
SCALE: 3/4"=1'-0"



NOTE: MAX 10'-0" FROM TOP OF GRADE TO TOP OF SIGN.

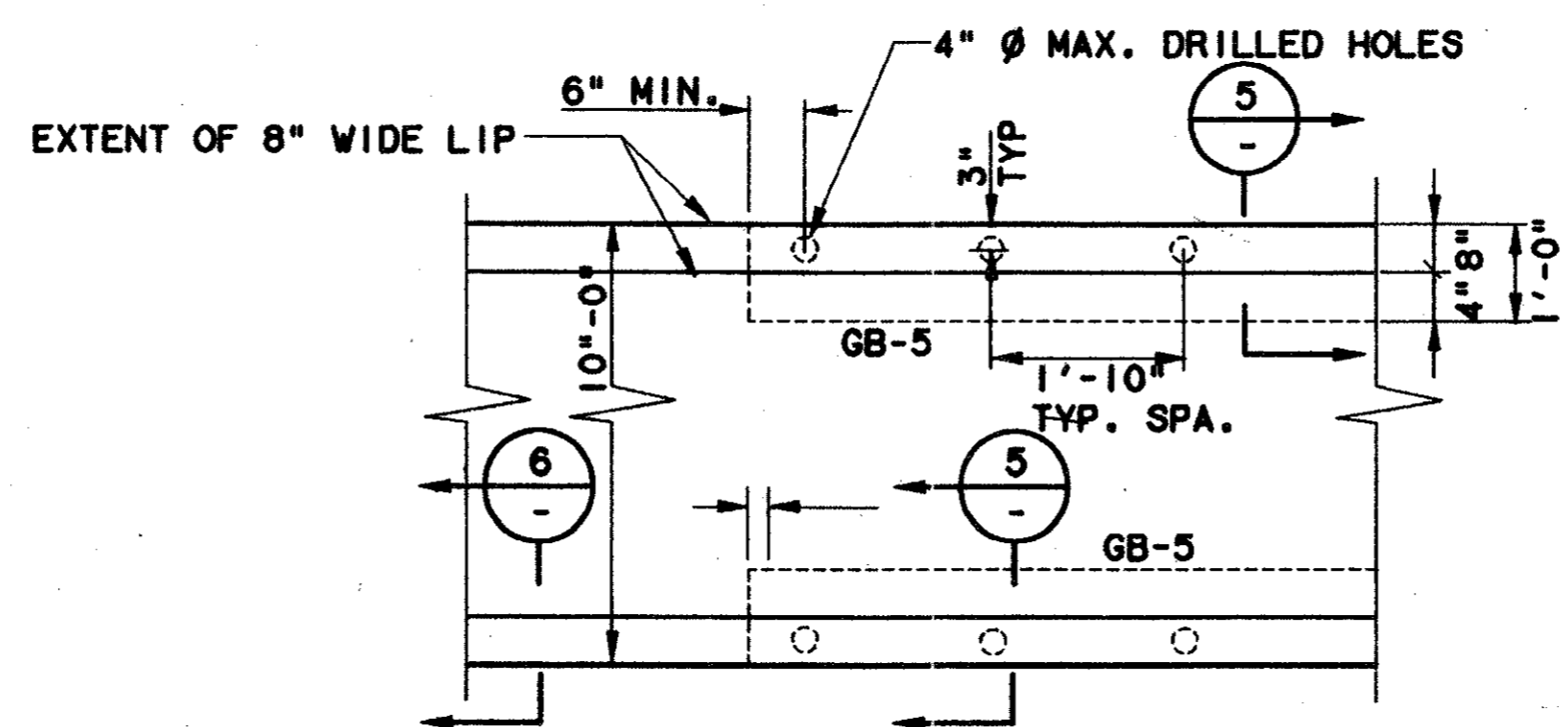
RESIDENTIAL ZONE SITE SIGN SUPPORT DETAIL

SCALE: 3/4"=1'-0"



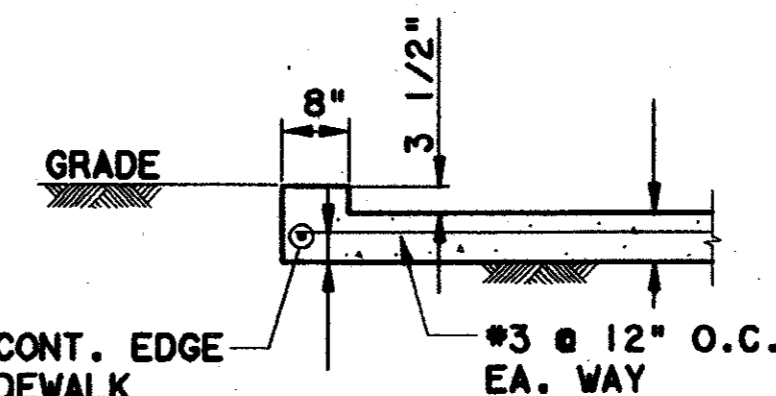
DETAIL-LIGHT POLE FOUNDATION

SCALE: 3/4" = 1'-0"



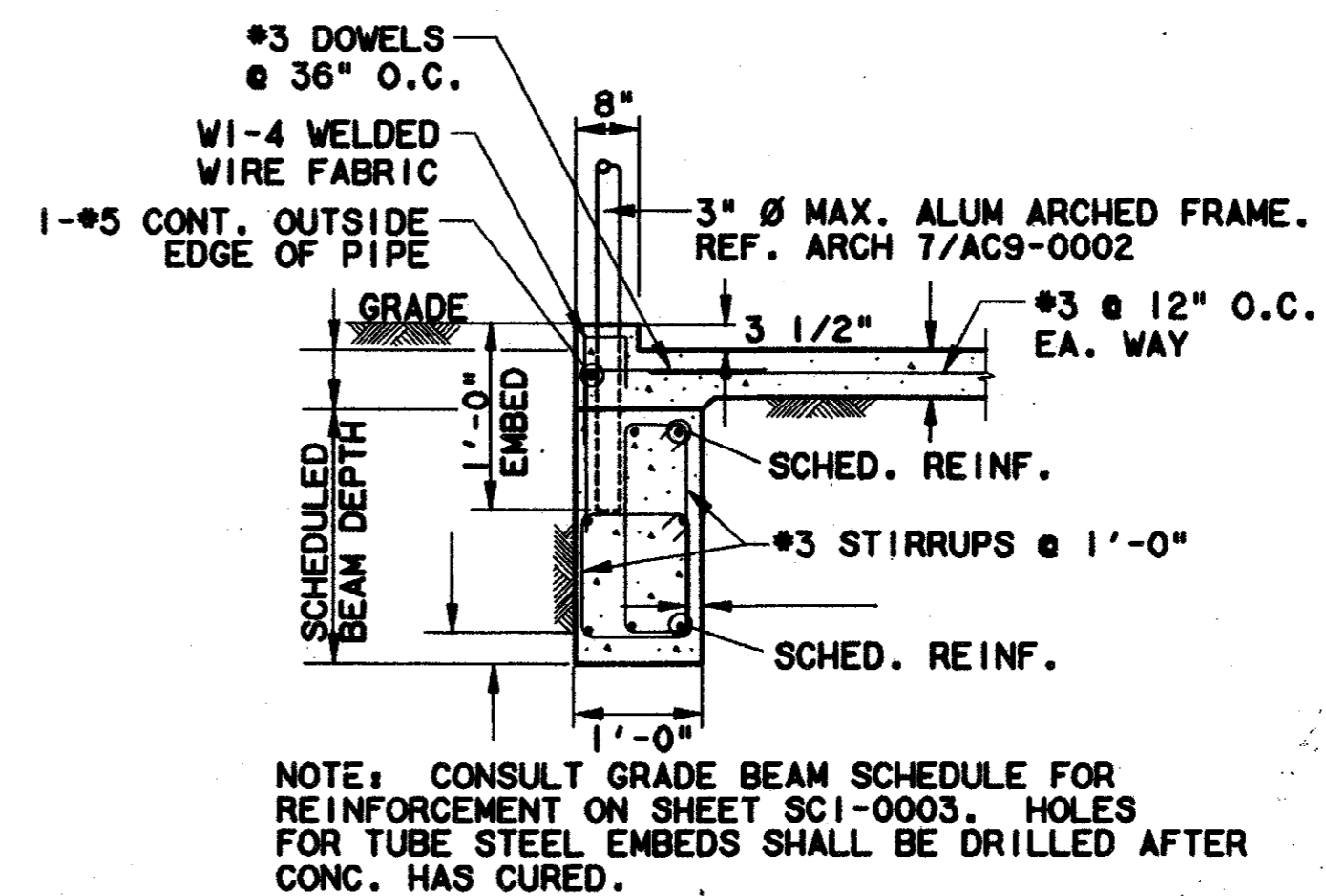
ARBOR PLAN

SCALE: 3/4"=1'-0"



SECTION

SCALE: 3/4"=1'-0"



SECTION

SCALE: 3/4"=1'-0"

NOTES:

1. MINIMUM ALLOWABLE SOIL PRESSURE 2 KSF
2. CONCRETE: MIX B-1 (CLASS 4000)
3. REINFORCING: CONFORM TO ASTM A615 GRADE 60. CHAMFER ALL EXPOSED EDGES 3/4".
4. COORDINATE WITH SIGNAGE AND ELECTRICAL DRAWINGS FOR LOCATION OF ANCHOR BOLTS, CONDUIT SIZE, CONDUIT LOCATION, ETC.
5. COMPACT BACKFILL AROUND SIGN BASE TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY.

Seal of Professional Engineer of Construction
 Having checked this submission, we certify that it conforms to the requirements of the contract in all respects, without any reservations.
 Contract Number: 97000136
 Company Name: WEA
 Officer of Firm Signature: JIM KADER, PRESIDENT
 Date: 7-7-99
 Seal of Professional Engineer of Construction
 and draw thereon, sending record (as built) drawings for accuracy of as built condition reflected herein, must be placed below.

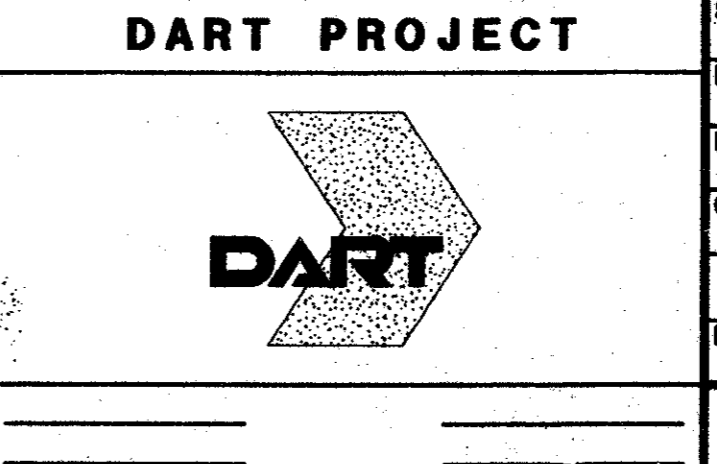
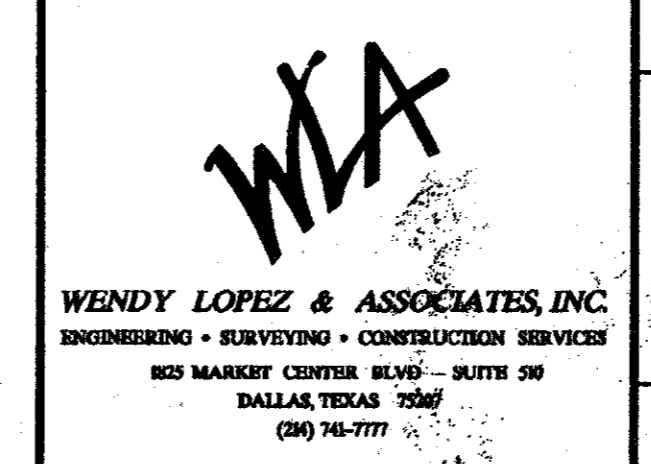
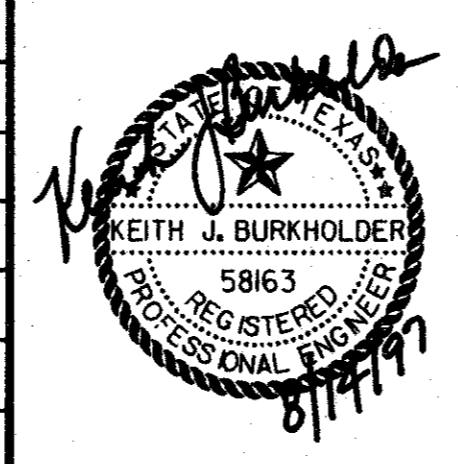
CONFORMED

CONTRACT SHEET No. 81 OF 95

ADDISON TRANSIT CENTER

SIGN, LIGHT POLE, AND MISC. SUPPORT DETAILS

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



SCALE	AS NOTED
DRAWN	P.R. MASON
DESIGNED	V. BAND
CHECKED	K. BURKHOLDER
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

CONTRACT C-97000136 DWG No. SC1-0010 REV 0

DUCTWORK

- ACOUSTICAL LINING (INSULATION)
- DIRECTION OF AIR FLOW
- DUCT SIZE, FIRST FIGURE IS FOR SIDE SHOWN (12 x 20)
- DUCT SECTION, POSITIVE PRESSURE (SUPPLY AIR)
- DUCT SECTION, NEGATIVE PRESSURE (RETURN AIR)
- DUCT TRANSITION, ROUND TO RECTANGULAR
- DUCT TRANSITION
- MANUAL SPLITTER
- FIRE DAMPER WITH ACCESS DOOR (FD)
- MANUAL VOLUME DAMPER (VD)
- MOTORIZED DAMPER (MD)
- ACCESS DOOR (ADR)
- TURNING VANES
- CHANGE IN DUCT ELEVATION (R-RISE, D-DROP)
- FLEXIBLE DUCT AND EQUIPMENT CONNECTION
- CENTRIFUGAL FAN
- AXIAL FLOW FAN
- PROPELLER FAN
- SUPPLY AIR FLOW
- EXHAUST OR RETURN AIR FLOW
- SUPPLY GRILLE OR REGISTER (SIZE-TYPE CFM)
- EXHAUST/RETURN GRILLE OR REGISTER (SIZE-TYPE CFM)
- SUPPLY GRILLE OR REGISTER, CEILING (CFM)
- EXHAUST OR RETURN GRILLE, CEILING (SIZE-TYPE CFM)
- DIFFUSER (ROUND OR RECTANGULAR)
- AIR FILTER (F)
- AIR FLOW THROUGH DOOR LOUVER (DL) OR UNDERCUT DOOR (UC) (DL, UC CFM)
- LOUVER (WITH SCREEN) (LV)
- ROOF VENTILATOR, INTAKE
- ROOF VENTILATOR, EXHAUST
- UNIT HEATER (E-ELECTRIC, G-GAS) (UH)

PIPING

- CONDENSATE DRAIN
- REFRIGERANT LIQUID (RL)
- REFRIGERANT HOT GAS (RG)
- REFRIGERANT SUCTION (RS)
- DIRECTION OF FLOW
- GLYCOL (GL)
- NATURAL GAS (G)
- CHILLED WATER SUPPLY (CHWS)
- CHILLED WATER RETURN (CHWR)
- CONDENSER WATER SUPPLY (CWS)
- CONDENSER WATER RETURN (CWR)
- COMPRESSED AIR (A)
- MAKE-UP WATER SUPPLY (M)
- PITCH OF PIPE (R-RISE, D-DROP) (R)

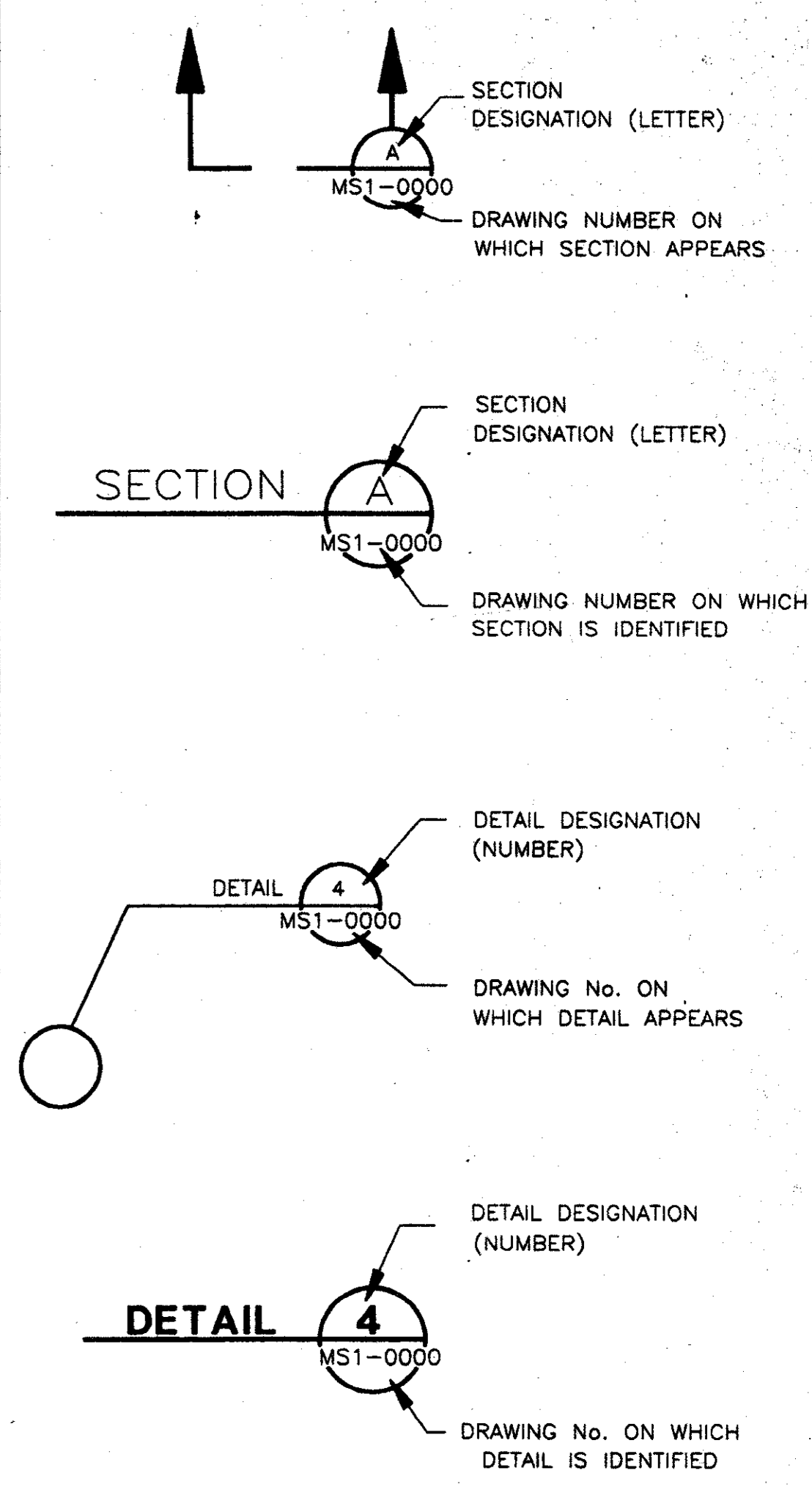
VALVES

- PRESSURE REDUCING VALVE
- GATE VALVE
- GLOBE VALVE, BALL VALVE
- ANGLE VALVE
- CHECK VALVE
- MOTORIZED VALVE
- MANUAL AIR VENT (H/MV)
- BALANCING COCK
- HOSE BIBB
- SAFETY VALVE (P-PRESS, T-TEMP)
- AUTOMATIC CONTROL VALVE
- CONTROL VALVE 2 WAY
- CONTROL VALVE 3 WAY
- AUTOMATIC AIR VENT (AV)
- GAS PRESSURE REGULATOR
- COCK WITH CAP
- GAS COCK
- BACKFLOW PREVENTER

ABBREVIATIONS

- AAV AUTOMATIC AIR VENT
- A/C AIR CONDITIONING
- A/CU AIR CONDITIONING UNIT
- ADR ACCESS DOOR
- AHU AIR HANDLING UNIT
- AHUF AIR HANDLING UNIT FAN
- AL ALUMINUM
- APPROX APPROXIMATELY
- AUTOTC AUTOMATIC TEMPERATURE CONTROL
- AUX AUXILIARY
- BDD BACK DRAFT DAMPER
- BTU/H BRITISH THERMAL UNIT PER HOUR
- C To C CENTER TO CENTER
- CFM CUBIC FEET PER MINUTE
- * CENTER LINE
- CLG CEILING
- CONN CONNECT, CONNECTS, CONNECTION
- CONST CONSTRUCTION
- CONT CONTINUOUS, CONTINUATION
- CW COLD WATER
- DIA DIAMETER
- DIFF DIFFUSER
- DIL DYNAMIC INSERTION LOSS
- DH DUCT HEATER, ELECTRIC
- DN DOWN
- DPR DAMPER
- DWG DRAWING
- DX DIRECT EXPANSION
- EBB ELECTRIC BASEBOARD HEATER
- ECS ENVIRONMENTAL CONTROL SYSTEM
- EL ELEVATION
- ELEC ELECTRIC, ELECTRICAL
- ELEV ELEVATOR
- EHC ELECTRIC HEATING COIL
- EQ EQUAL
- EXF EXHAUST FAN
- EXH EXHAUST
- EXIST EXISTING
- EXP EXPANSION
- FCU FAN COIL UNIT
- FLEX FLEXIBLE
- F/P FIRE PROTECTION
- FT FOOT, FEET
- GA GAUGE
- GRL GRILLE
- HEX HEXAGONAL
- HORIZ HORIZONTAL
- HTR HEATER
- HVAC HEATING, VENTILATING & AIR CONDITIONING
- IN. INCH
- kBTU/H THOUSANDS OF BTU PER HOUR
- LVR LOUVER
- MAU MAKE UP AIR UNIT
- MAX MAXIMUM
- MBTU/H MILLIONS OF BTU PER HOUR
- MECH MECHANICAL
- MIN MINIMUM
- NC NORMALLY CLOSED
- NIC NOT IN CONTRACT
- NO NORMALLY OPEN
- No. NUMBER
- NTS NOT TO SCALE
- OA OUT SIDE AIR
- OBD OPPOSED BLADE DAMPER
- OC ON CENTER
- OPNG OPENING
- OS & Y OUTSIDE SCREW AND YOKE
- PRV PRESSURE REDUCING VALVE
- RA RETURN AIR
- RAF RETURN AIR FAN
- REF REFERENCE
- REQD REQUIRED
- RM ROOM
- SA SUPPLY AIR
- SAF SUPPLY AIR FAN
- SHT SHEET
- SMACNA SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION, INC.
- Sq Ft SQUARE FOOT, SQUARE FEET
- SST STAINLESS STEEL
- STD STANDARD
- STPR STATIC PRESSURE
- TBF TUNNEL BOOSTER FAN
- TCC TRAIN CONTROL CENTER
- TTLPR TOTAL PRESSURE
- TVF TUNNEL VENTILATION FAN
- TXV THERMAL EXPANSION VALVE
- TYP TYPICAL
- UPE UNDERPLATFORM EXHAUST
- UPEF UNDERPLATFORM EXHAUST FAN
- VAV VARIABLE AIR VOLUME
- VD VOLUME DAMPER
- VERT VERTICAL
- VP VELOCITY PRESSURE
- W/ WITH
- W/O WITHOUT

DETAIL AND SECTION DESIGNATION



PIPE SPECIALTIES

- CAP
- BUSHING
- PIPE SLEEVE
- PLUG
- THERMOMETER
- ORIFICE (FLOW METER)
- GAUGE
- PUMP
- FLEXIBLE PIPE CONNECTOR
- STRAINER
- UNION
- REDUCER CONCENTRIC
- REDUCER ECCENTRIC, FLUSH TOP
- REDUCER ECCENTRIC, FLUSH BOTTOM
- STRAINER WITH BLOW DOWN
- FS FLOW SWITCH
- PIPE RESTRAINER, (A-ANCHOR, H-HANGER)
- PIPE GUIDE
- EXPANSION JOINT (EJ)

AUTOMATIC TEMPERATURE CONTROLS

- THERMOSTAT - REMOTE BULB
- HUMIDISTAT
- THERMOSTAT
- FIRESTAT
- FLOW SENSOR
- MOTOR OPERATOR
- THERMAL EXPANSION VALVE

GENERAL

- POINT OF CONNECTION - NEW WORK TO EXISTING WORK
- DEMOLITION ENDS HERE - CAP PIPING & DUCTS
- EQUIPMENT CALLOUT (TYPE NO)
- RISER CALLOUT (TYPE NO)

FITTINGS

	PLAN	OUTLET UP	OUTLET DOWN
ELBOW 90°			
ELBOW 45°			
TEE			

GENERAL NOTES:

1. SYMBOLS AND ABBREVIATIONS SHOWN HERE MAY INCLUDE ITEMS WHICH ARE NOT PART OF THIS CONTRACT.

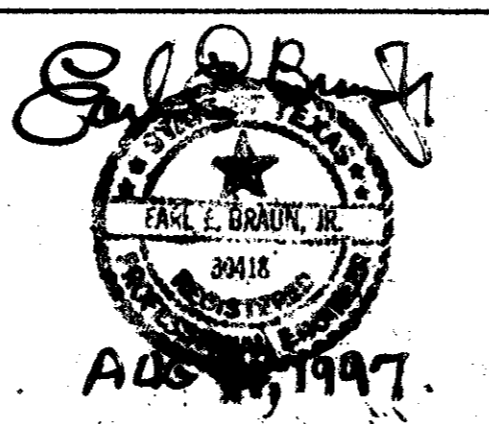
Prepared by: [Signature]
Checked by: [Signature]
Designed by: [Signature]
Contract No. 110036
Date of Issue: [Signature]
Scale of Drawing: [Signature]
Scale of Plotting: [Signature]
Date of Plotting: [Signature]

TOM KADER
PRESIDENT

CONFORMED

CONTRACT SHEET No. 82 of 95

REV.	DATE	DESCRIPTION	BY	ENG.	CHK.	APP.	REV.	DATE	DESCRIPTION	BY	ENG.	CHK.	APP.



GERARD & ASSOCIATES
CONSULTING ENGINEERS
Mechanical Electrical Plumbing
Systems Design
4125 N. Central Expressway Dallas, TX 75204
(214) 528-6044 FAX (214) 528-0766

WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
385 MARKET CENTER BLVD - SUITE 50
DALLAS, TEXAS 75201
(972) 741-7777

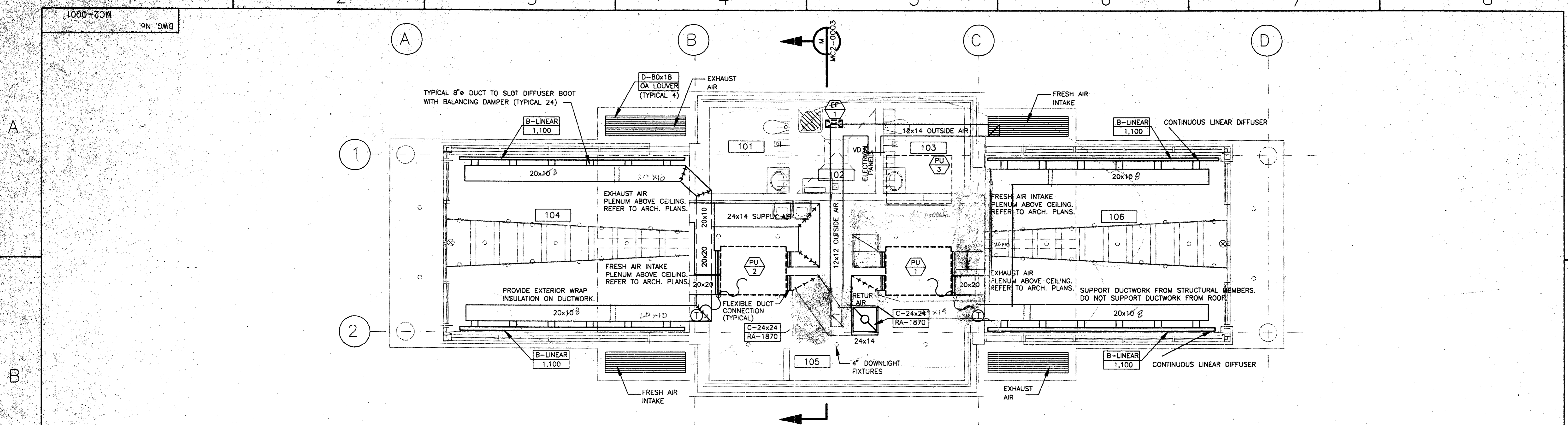
DART PROJECT

SCALE:	NO SCALE
DRAWN:	P. JACKSON
DESIGNED:	E. BRAUN
CHECKED:	W. GERARD
IN CHARGE:	V. STEVENS
DATE:	14-AUG-97

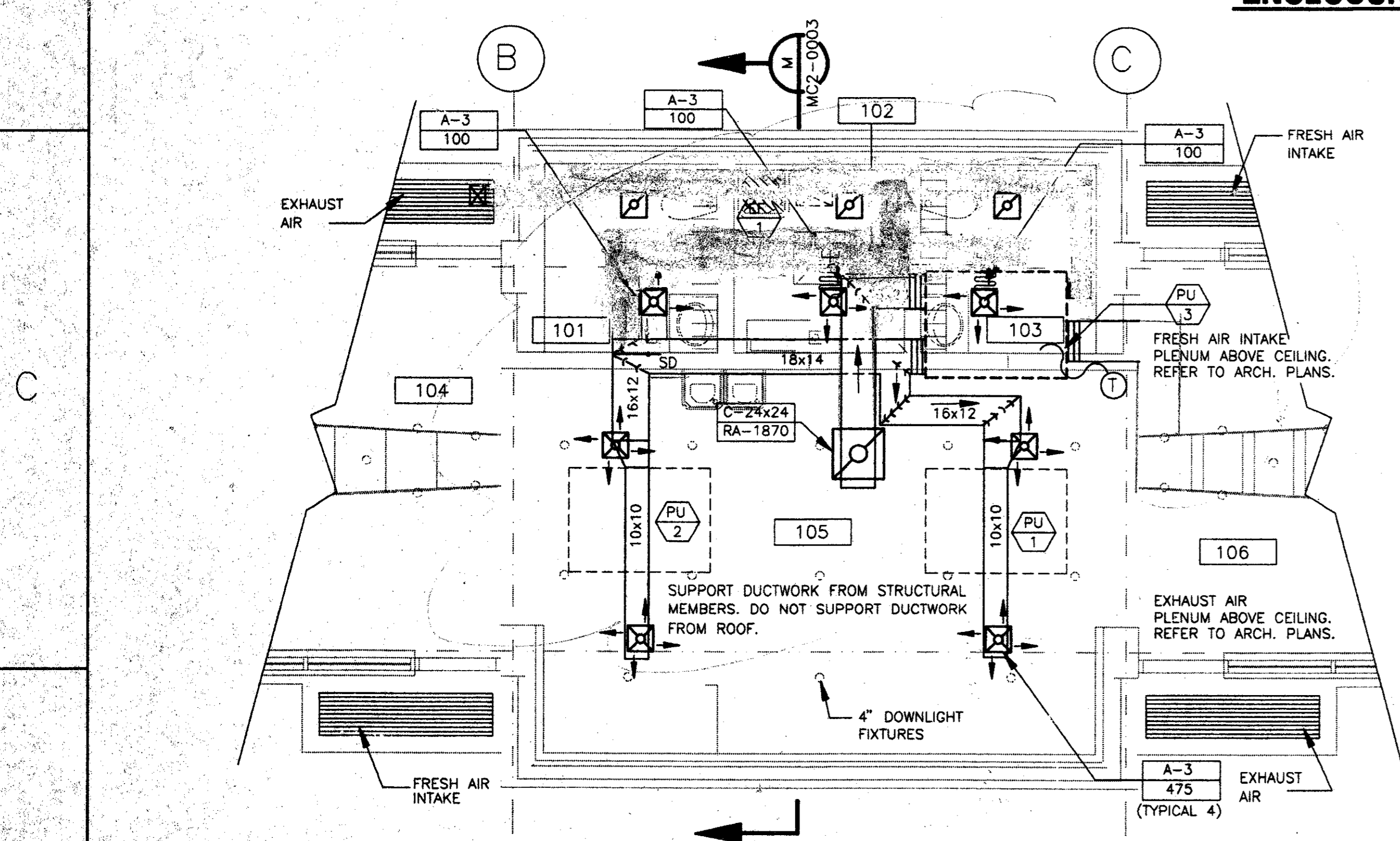
ADDISON TRANSIT CENTER

MECHANICAL STANDARDS ABBREVIATIONS & SYMBOLS

CONTRACT	DWG. No.	REV.
C-97000136	MC1-0001	0

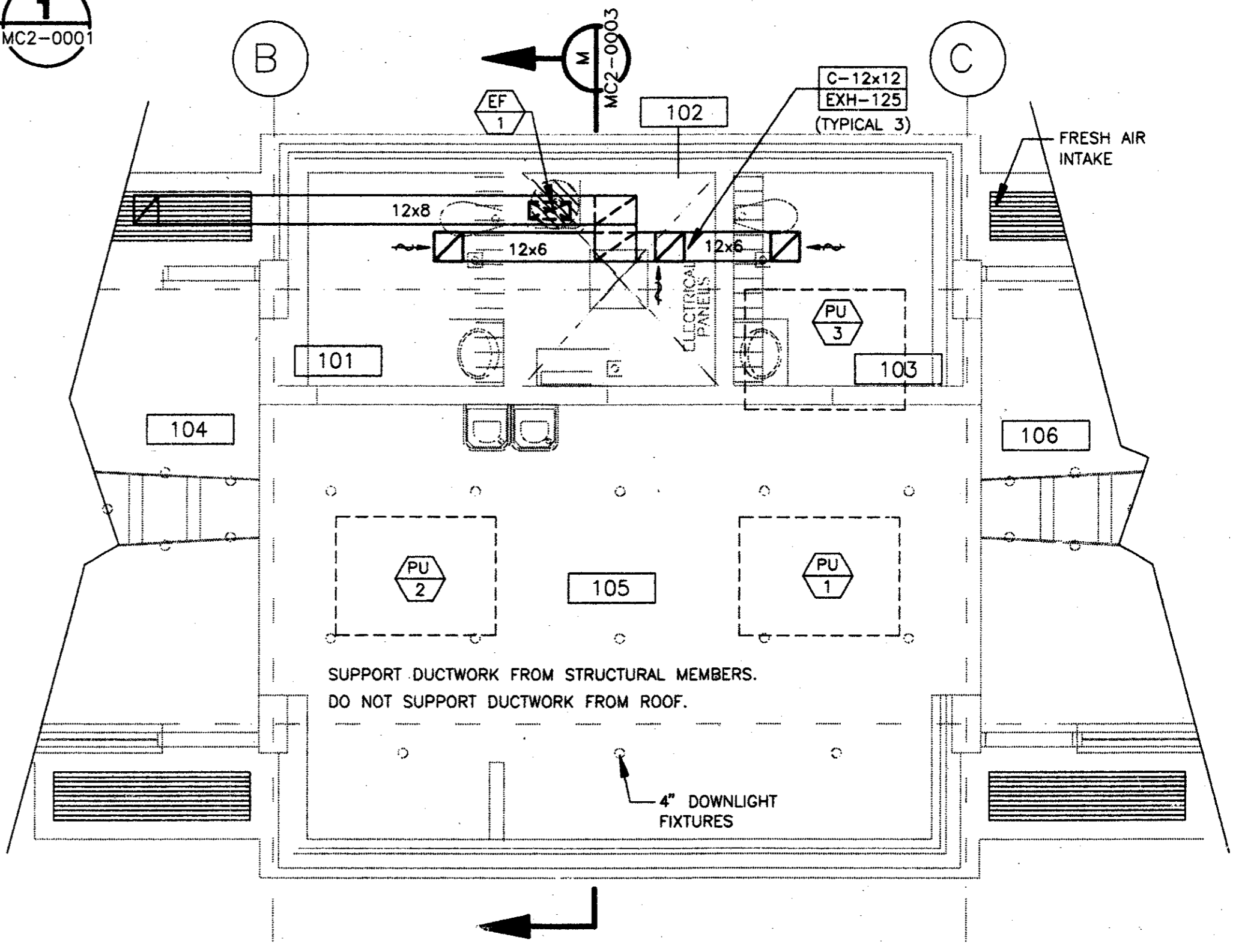


ENCLOSURE HVAC FLOOR PLAN - PU1 & PU2 1
SCALE: 1/4" = 1'-0" MC2-0001



ENCLOSURE HVAC FLOOR PLAN - PU3 2
SCALE: 1/4" = 1'-0" MC2-0001

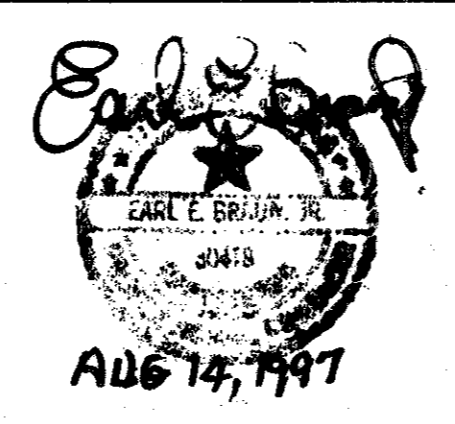
Record (As-built) verification:
Having checked this submission, we certify that it conforms to the requirements of the contract in all respects except as otherwise indicated.
Contract Number: 97000136
Contract Name: Addison Transit Center
City of Fort Worth
Date: 8/14/97
Name of Firm (Typed): JON KACER
Title of Officer (Typed): PRESIDENT
State of Professional Engineer of Construction Contract: Texas
and date thereof being record (as-built) verification of the work and condition reflected herein, must be placed on file.



ENCLOSURE HVAC FLOOR PLAN - EXH. FAN 3
SCALE: 1/4" = 1'-0" MC2-0001

CONFORMED

REV.	DATE	DESCRIPTION	BY	ENG.	CHK.	APP.	REV.	DATE	DESCRIPTION	BY	ENG.	CHK.	APP.
△		RECORD AS BUILT					△						
△							△						
△							△						
△							△						
△							△						
△							△						



GERARD & ASSOCIATES
CONSULTING ENGINEERS
Mechanical Electrical Plumbing
Systems Design
4125 N Central Expressway Dallas, TX 75204
(214) 528-6044 FAX (214) 528-0766

WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
205 MARKET CENTER BLVD - SUITE 200
DALLAS, TEXAS 75201
(214) 746-1777

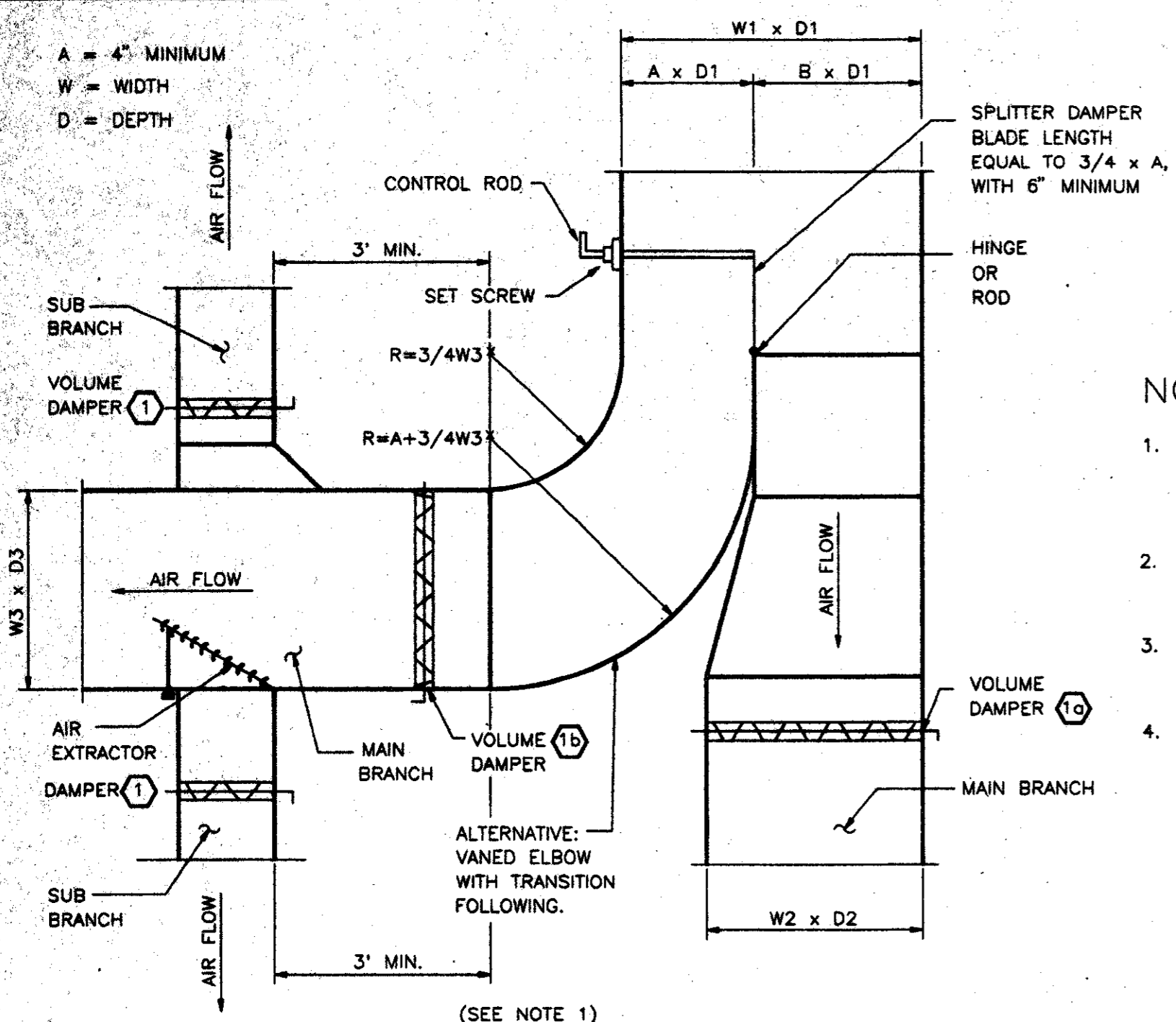


SCALE: 1/4" = 1'
DRAWN: P. JACKSON
DESIGNED: E. BRAUN
CHECKED: W. GERARD
IN CHARGE: V. STEVENS
DATE: 14-AUG-97

CONTRACT SHEET No. 83 of 95
ADDISON TRANSIT CENTER
ENCLOSURE HVAC FLOOR PLAN
CONTRACT C-97000136 DWG. No. MC2-0001 REV. 1

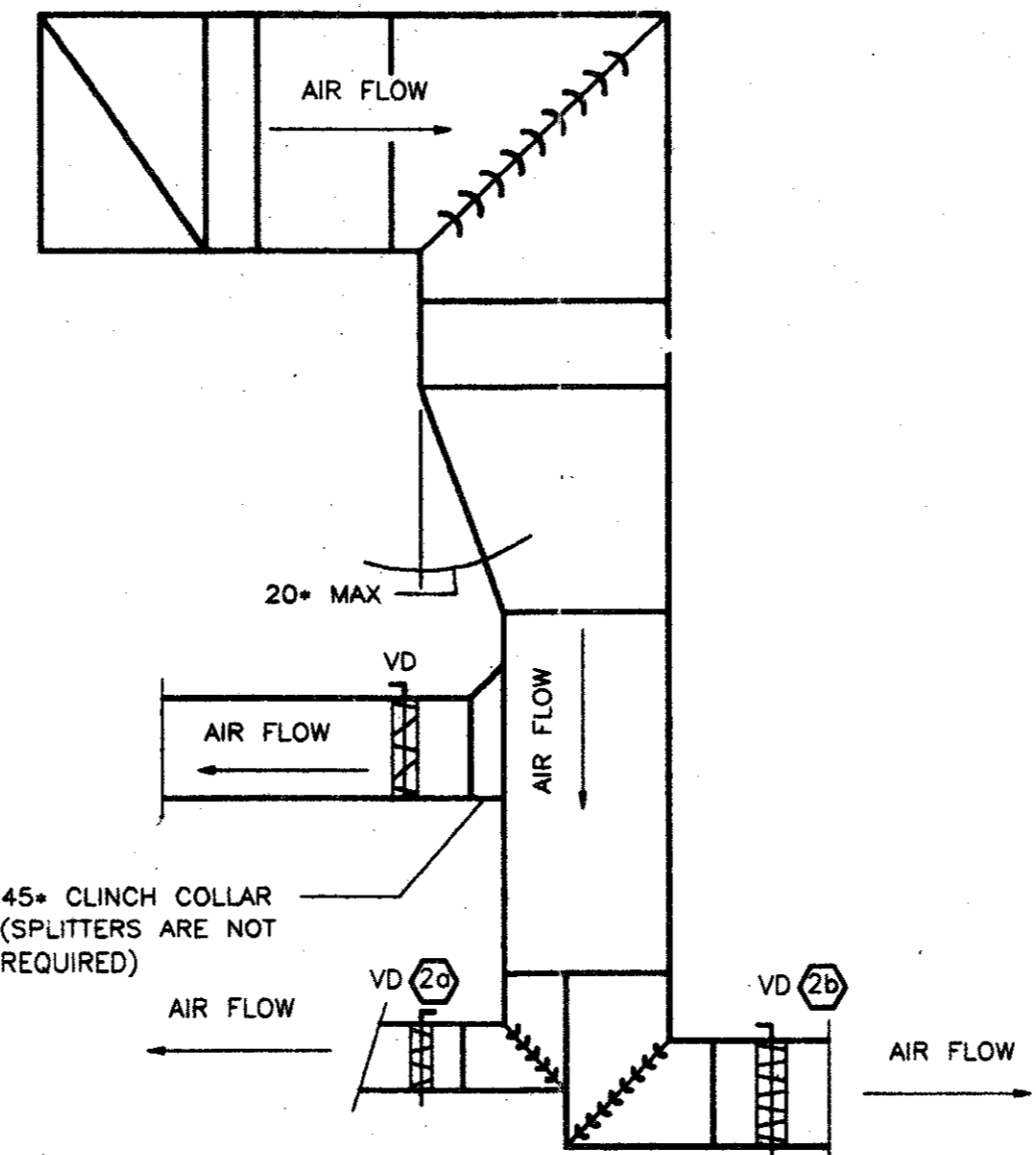
2000-ZCJW
9N QMG

A = 4" MINIMUM
W = WIDTH
D = DEPTH



SUPPLY DUCT BRANCHES **1**
NOT TO SCALE MC2-0002

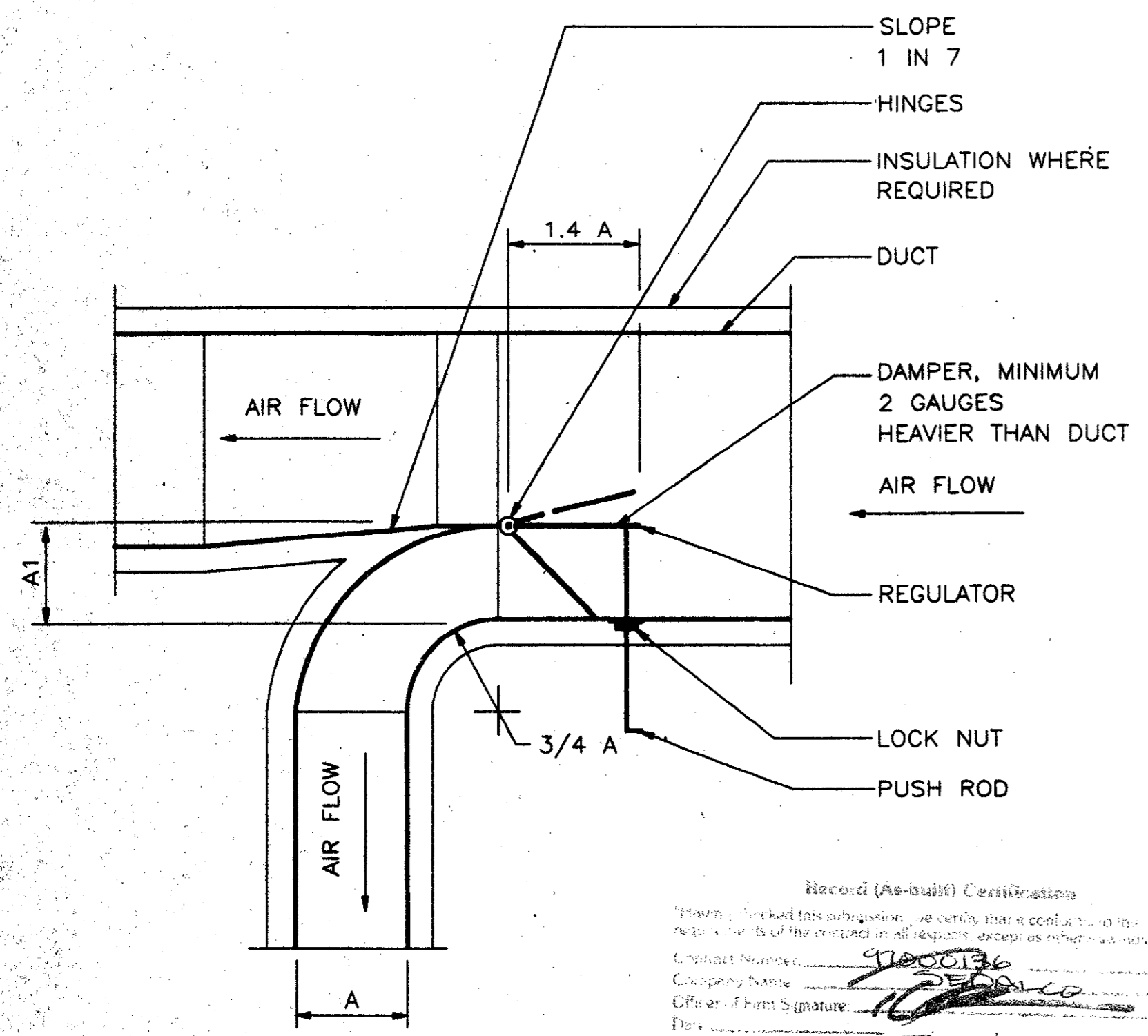
- NOTES:
- SPLITTER DAMPER MAY BE USED IN LIEU OF VOLUME DAMPERS (1b) AND (1c), BUT NOT IN LIEU OF VOLUME DAMPERS (1).
 - IN TRANSITIONS AND OFFSETS, LARGEST DIMENSION SHALL GOVERN CONSTRUCTION.
 - SPLITTER DAMPER MAY BE USED IN LIEU OF VOLUME DAMPERS (2a) AND (2b).
 - TURNING VANES SHALL BE CONSTRUCTED IN ACCORDANCE WITH SMACNA STANDARDS.



EXHAUST OR RETURN DUCT BRANCHES **2**
NOT TO SCALE MC2-0002

EQUIP NO	FAN TYPE	DRIVE TYPE	AIRFLOW (CFM)	TOTAL STATIC PRESS (IN/WG)	MAXIMUM FAN HP	POWER	ACCESSORIES	REMARKS
EF 1	COOK # 10CV11D INLINE CENTRIFUGAL	DIRECT	375	0.25"	1/12	120V/1PH		NOTE 1
NOTES: 1. ACCESSORIES: BACKDRAFT DAMPER; BIRD-BUG SCREEN AT DISCHARGE LOUVER.								

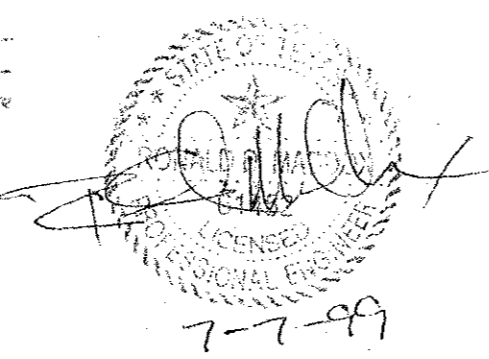
SYMBOL	DIFFUSER TYPE	MOUNTING	SIZE	DEFLECTION TYPE	FINISH	REMARKS
A	CEILING SUPPLY	LAY-IN OR FLANGED	12x12 or 24x24 SUPPLY AIR	PERFORATED	WHITE	A-1=16", A-2=14", A-3=12", A-4=10", A-5=8", A-6=6", A-7=18"
B	LINEAR DIFFUSER	RECESSED	19.5' LONG, 5" WIDE TUTLE & BAILEY	THREE 3/4" SLOTS; SIX--3" LONG BOOTS	WHITE	T & B--CAB SERIES WITH O. B. DAMPERS.--NOTE 1
C	CEILING EXHAUST	FLANGED	SIZE ON PLANS	FIXED LOUVER	WHITE	
D	OUTSIDE AIR LOUVER	AS DETAILED	SIZE ON PLANS	FIXED LOUVER	PT2	STORMPROOF TYPE
NOTES: 1. LINEAR DIFFUSERS WITH O. B. DAMPERS FITTING BETWEEN METAL STUD FURRING. PROVIDE SHEETMETAL PAINTED BLACK AT NON-USED LOCATIONS BETWEEN DUCT SUPPLY BOOTS. O.B. DAMPERS TO BE ADJUSTABLE THRU GRILLE. REFER TO ARCH. PLANS						



SPLITTER DAMPER **3**
NO SCALE MC2-0002

UNIT DESIGNATION	MANUFACTURER MODEL NUMBER	NOMINAL TONS	MIN EER	TOTAL CFM (NOTE 3)	O/A CFM	COOLING CAPACITY		DESIGN AMBIENT TEMP	DUCT EXTER. STATIC PRESS "WC	CONDENSING UNIT ELECTRICAL DATA			FAN DATA		HEATING CAPACITY		APPROXIMATE UNIT WEIGHT
						TOTAL MBH (NOTE 2)	SENSIBLE MBH (NOTE 2)			VOLTS/PHASE	MIN. CKT. AMPACITY	MAX BREAKER OR FUSE SIZE	FAN HP	VOLTS/PHASE	KW BACKUP	HEAT PUMP BTU OUTPUT	
PU THRU PU 1	CARRIER 50AH - 060	5	8.55	2,200	330	58,500	45,000	102' F	0.7"	208/3	100 AMPS	125A/3P	1.5	208/3	20	100,000 BTU/HR AT 22'F OUTDOOR TEMP	FAN/COIL COND UNIT--800 LBS
NOTES: 1. UNITS SHALL BE LEVEL, PROVIDE 1" THICK THROWAWAY FILTERS. 2. SENSIBLE AND TOTAL CAPACITY BASED ON ENTERING AIR TEMP OF 80°FDB/67°FWB. 3. DUCTED CONDENSER AIR OF 2,500 CFM PER EACH UNIT.																	

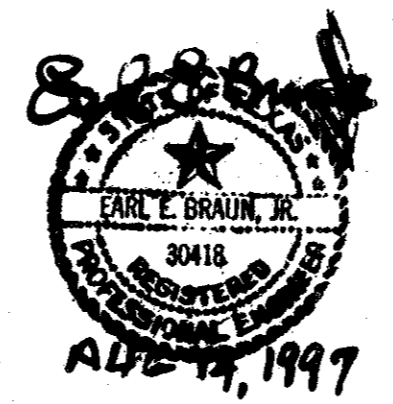
Record (As-built) Certification
I hereby certify that the drawings, specifications, and contract documents for the project are true and correct as shown and as amended.
Contract Number: 97000136
Company Name: GERRARD & ASSOCIATES
Official Print Signature: [Signature]
Date: [Date]
Official of Firm Name (Typed): JIM KADER
Title of Firm (Typed): PRESIDENT
Seal of Professional Engineer of Consulting Engineers, Inc. (as-built) drawings for use in record books must be placed here.



CONFORMED

CONTRACT SHEET No. 84 of 95

REV.	DATE	DESCRIPTION	BY	ENG.	CHK.	APP.	REV.	DATE	DESCRIPTION	BY	ENG.	CHK.	APP.



GERRARD & ASSOCIATES
CONSULTING ENGINEERS
Mechanical Electrical Plumbing
Systems Design
4125 N. Central Expressway Dallas, TX 75204
(214) 528-0044 FAX (214) 528-0766

WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
285 MARLEY CENTER BLVD - SUITE 20
DALLAS, TEXAS 75228
(972) 746-7777

DART PROJECT

SCALE:	NO SCALE
DRAWN:	P. JACKSON
DESIGNED:	E. BRAUN
CHECKED:	W. GERARD
IN CHARGE:	V. STEVENS
DATE:	14-AUG-97

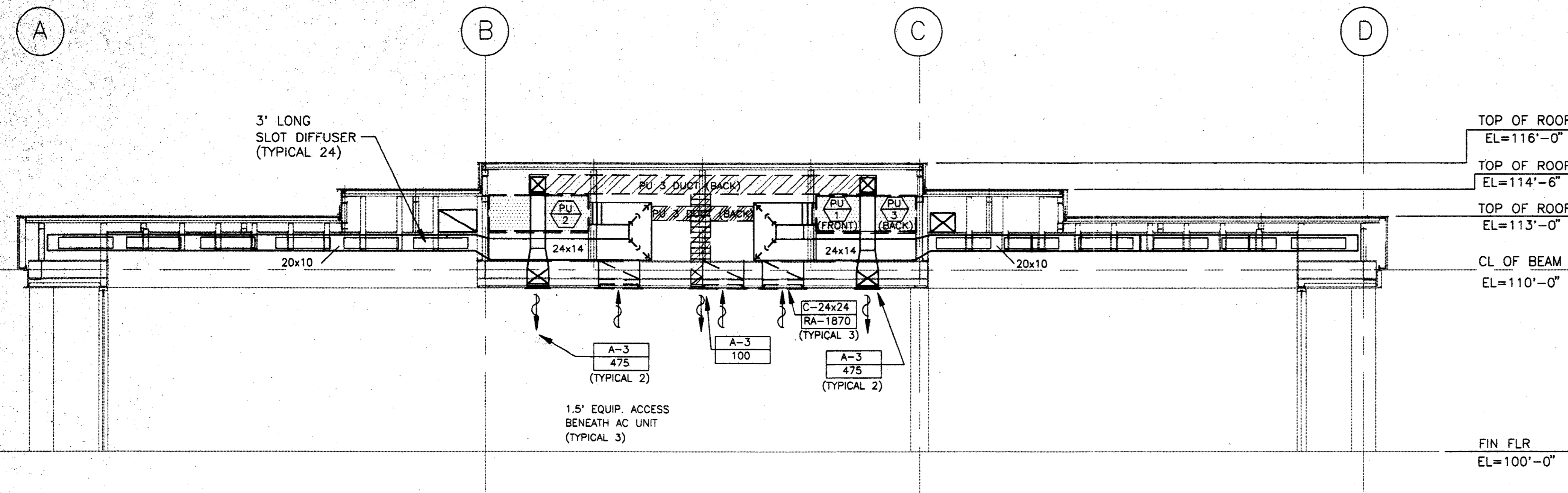
ADDISON TRANSIT CENTER

HVAC SCHEDULES AND DETAILS

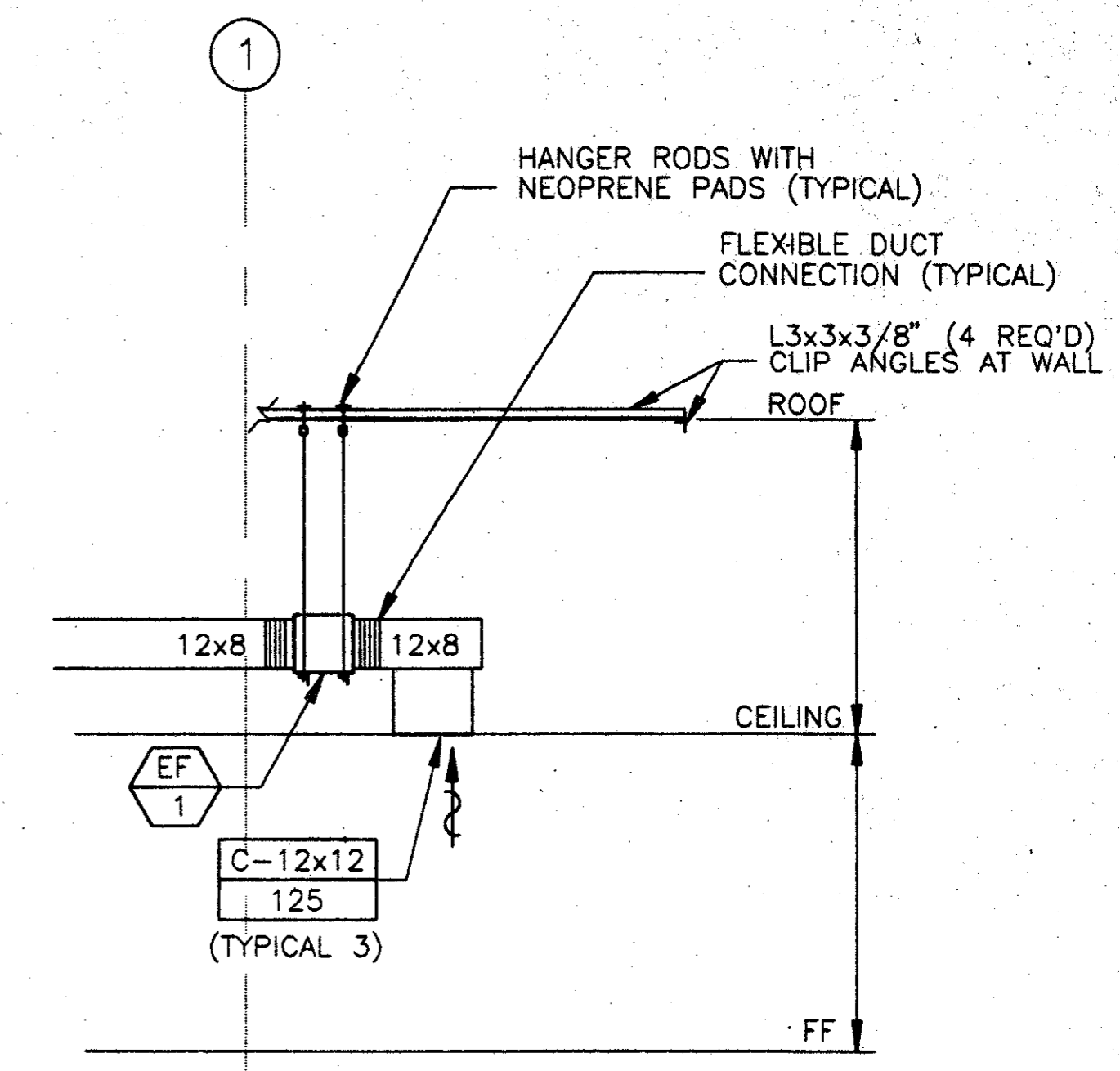
CONTRACT C-97000136

DWG. No. MC2-0002

REV. 0

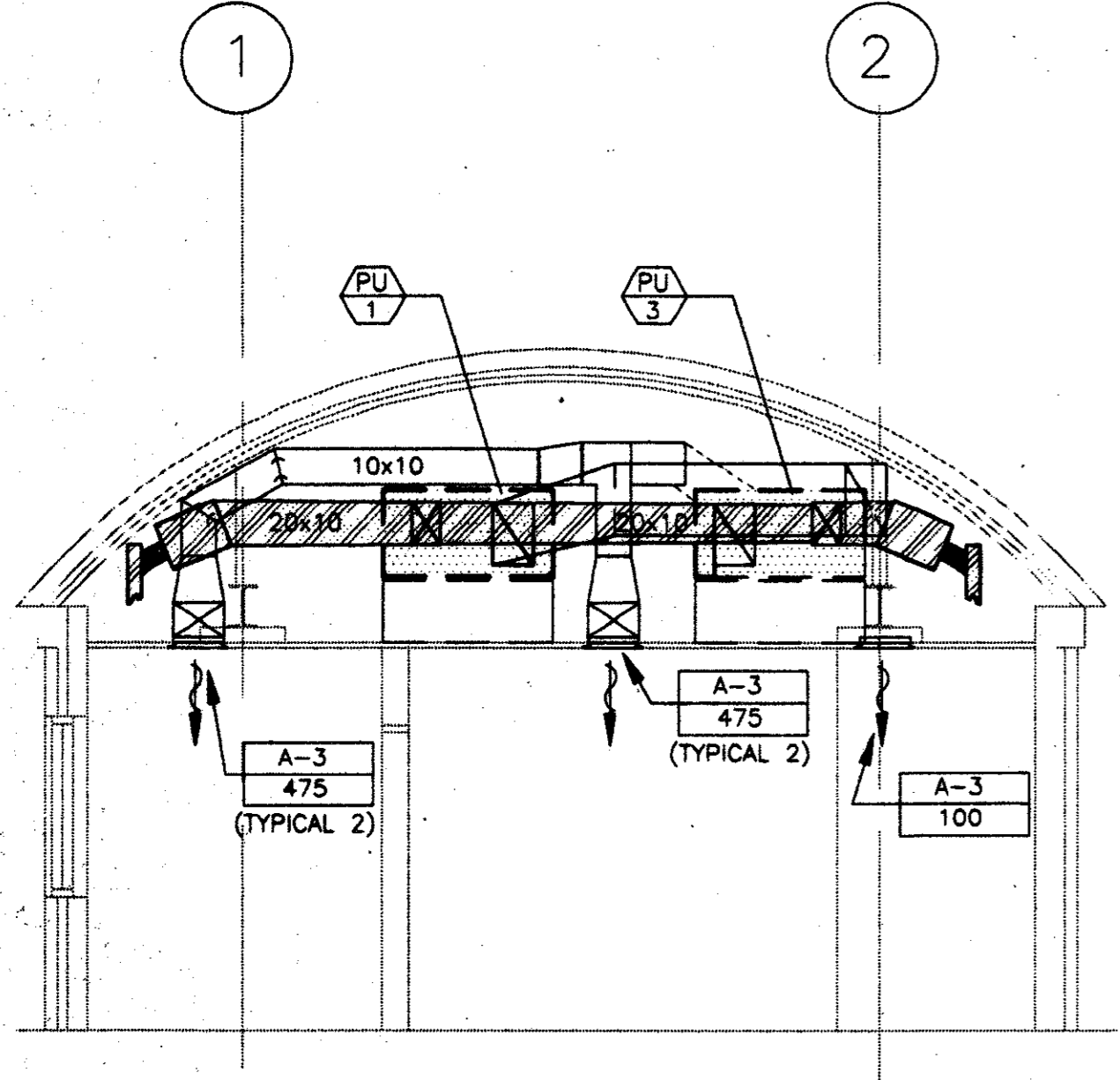


SOUTH ENCLOSURE HVAC SECTION 1
SCALE: 1/4" = 1'-0" MC2-0003

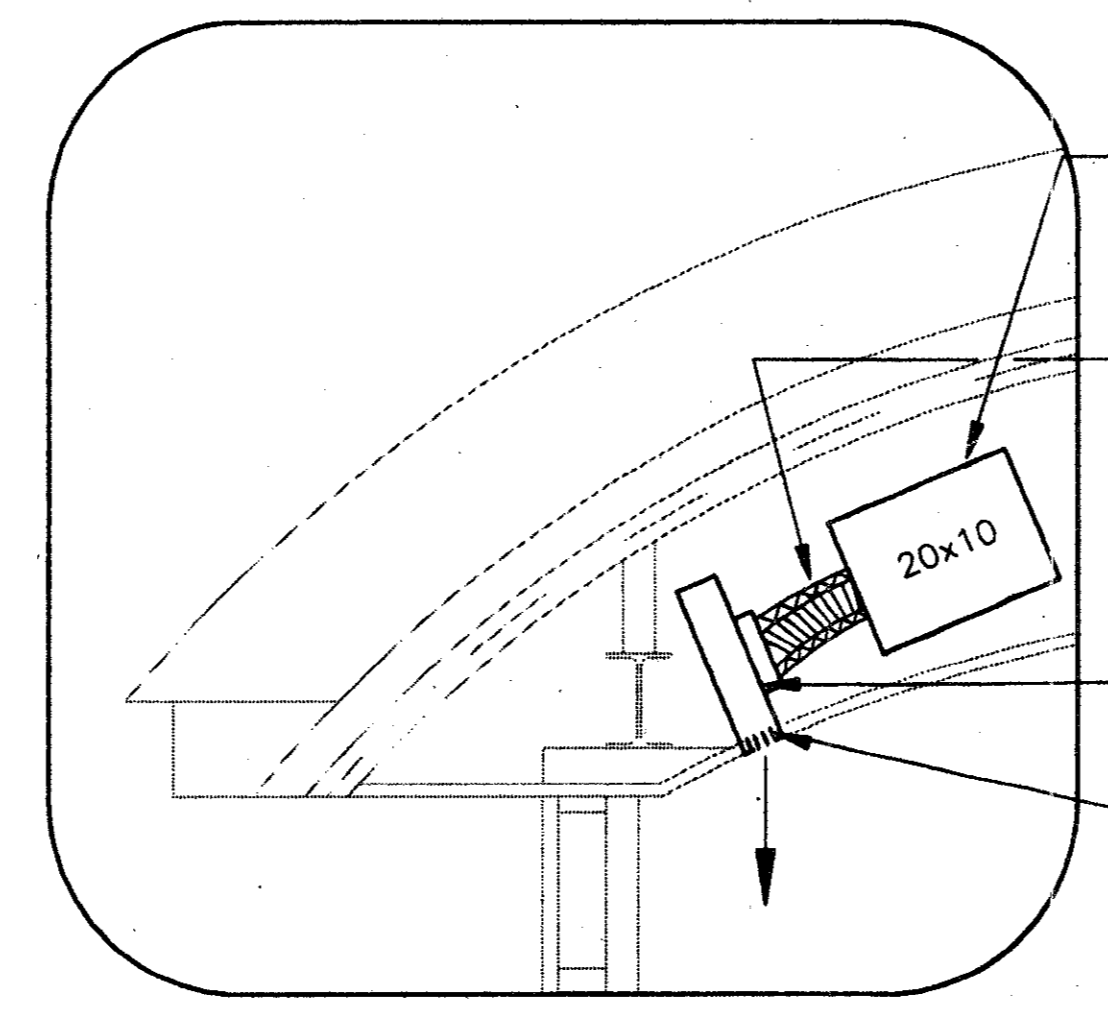


HANGING DETAIL - EXHAUST FAN 2
SCALE: 1/4" = 1'-0" MC2-0003

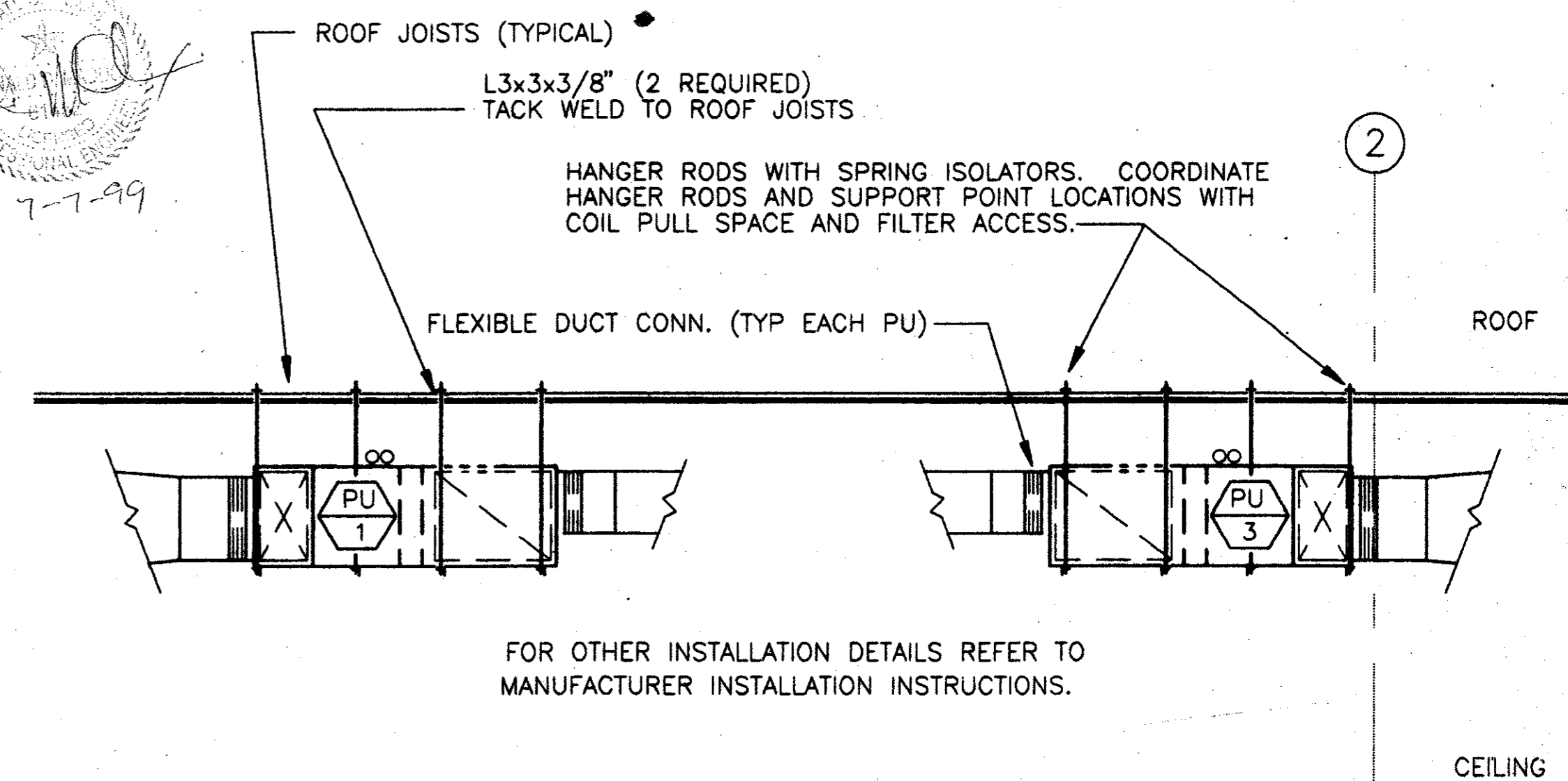
Record (As-Built) Certification
Having checked this submission, we certify that it conforms to the requirements of the contract to all reasonable and prudent standards.
Contract Number: 97000136
Original Name: [Signature]
Official Name: [Signature]
Title: [Signature]
Office of Firm Name: [Signature]
Title of Firm: [Signature]
List of the names of the members of the Consulting Firm, including signature and date of the last meeting (as truly and accurately as the facts and conditions reflect) is attached hereto.



EAST ENCLOSURE HVAC SECTION 3
SCALE: 1/4" = 1'-0" MC2-0003



ENCLOSURE HVAC SECTION - SLOT DIFFUSER DETAIL 4
NOT TO SCALE MC2-0003



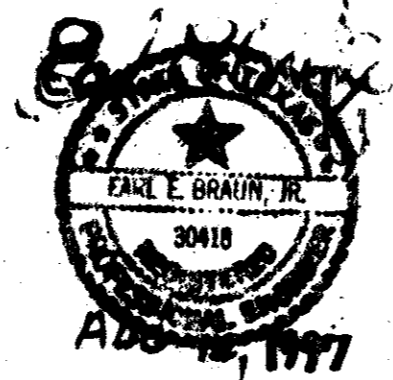
HANGING DETAILS - PU INSTALLATION 5
SCALE: 1/4" = 1'-0" MC2-0003

CONFORMED

CONTRACT SHEET No. 85 of 95

ADDISON TRANSIT CENTER
HVAC DETAILS

REV.	DATE	DESCRIPTION	BY	ENG.	CHK.	APP.	REV.	DATE	DESCRIPTION	BY	ENG.	CHK.	APP.
△							△						
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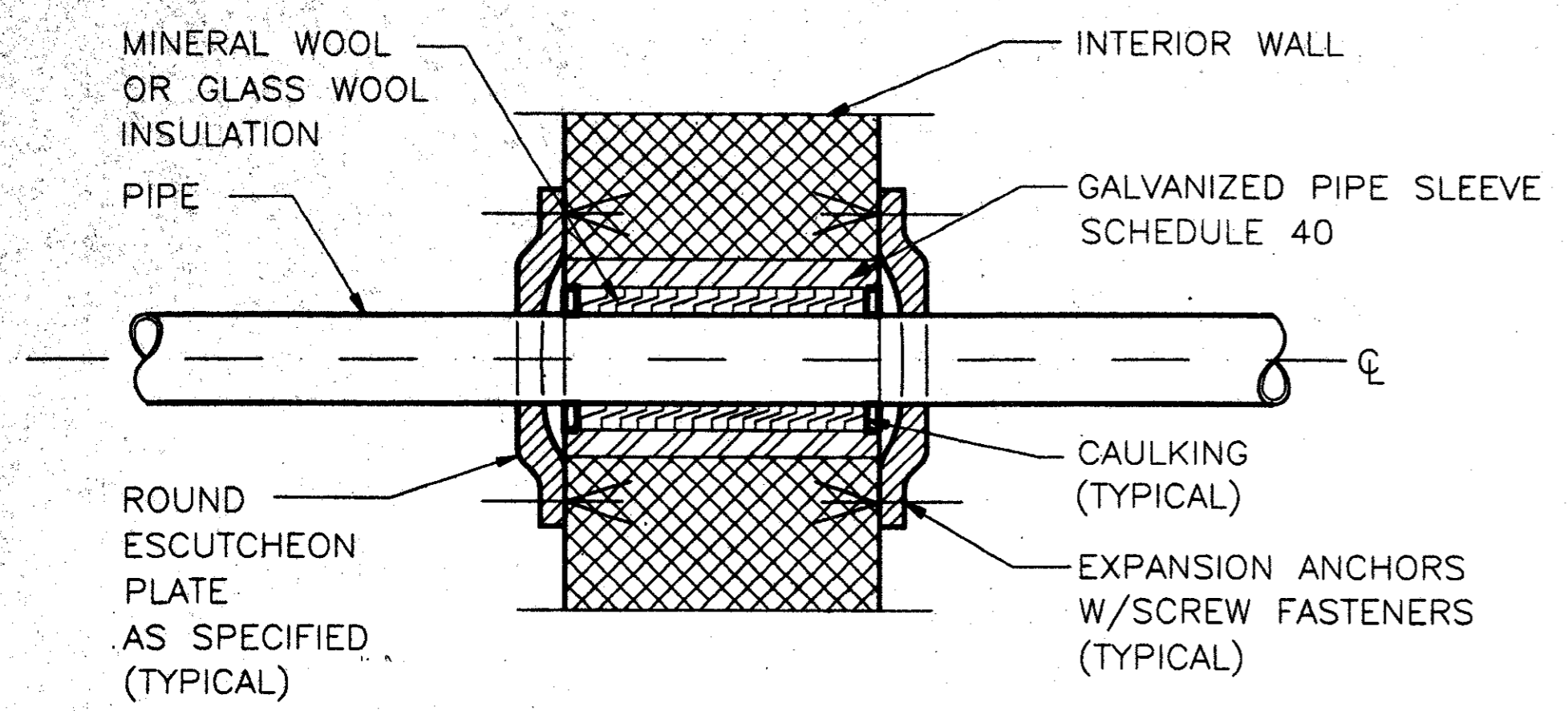
GERARD & ASSOCIATES
CONSULTING ENGINEERS
Mechanical Electrical Plumbing
Systems Design
4125 H. Central Expressway Dallas, TX 75204
(214) 528-6044 FAX (214) 528-0766

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
100 MARKET CENTER BLVD - SUITE 50
DALLAS, TEXAS 75201
(214) 746-7777

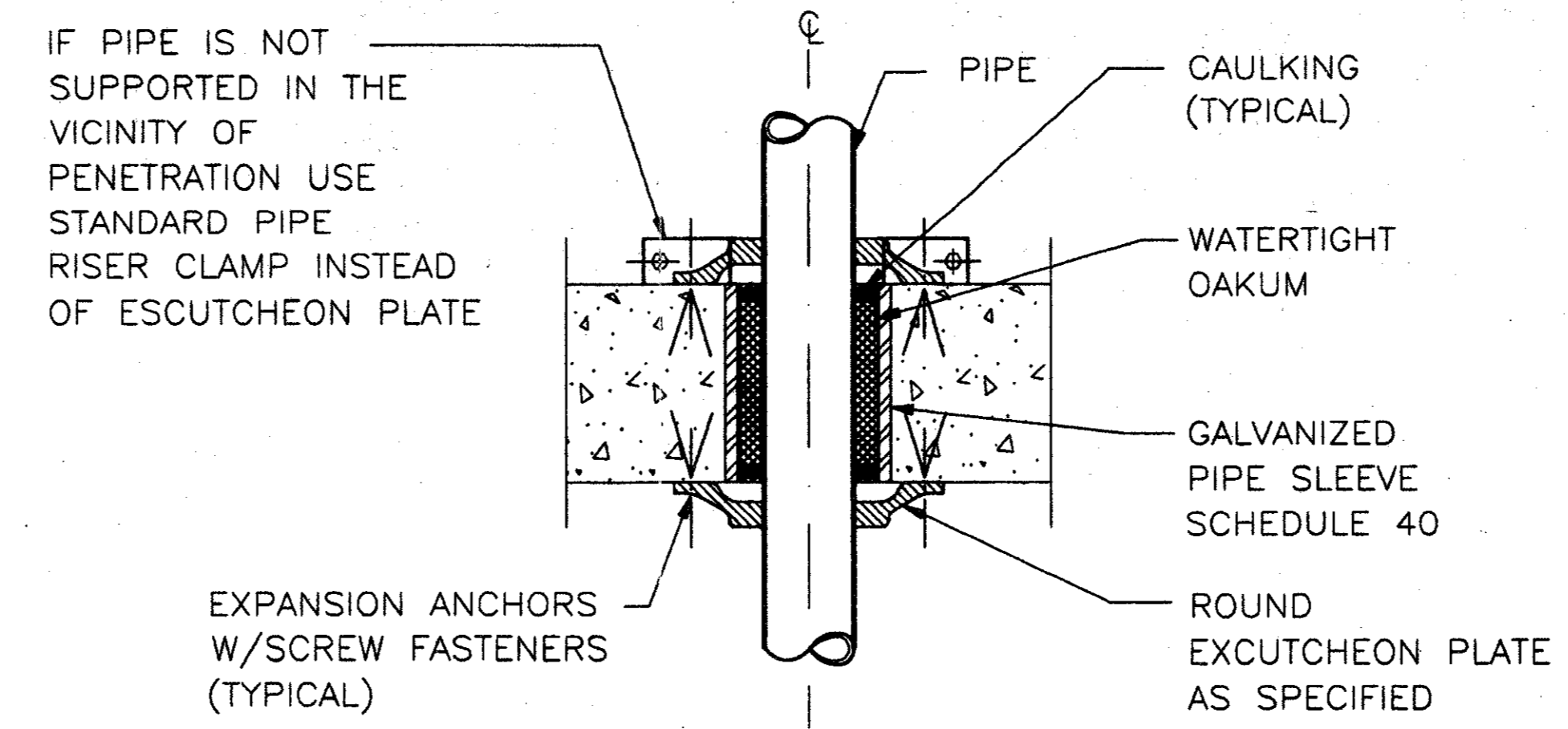
DART PROJECT

SCALE: NO SCALE
DRAWN: P. JACKSON
DESIGNED: E. BRAUN
CHECKED: W. GERARD
IN CHARGE: V. STEVENS
DATE: 14-AUG-97

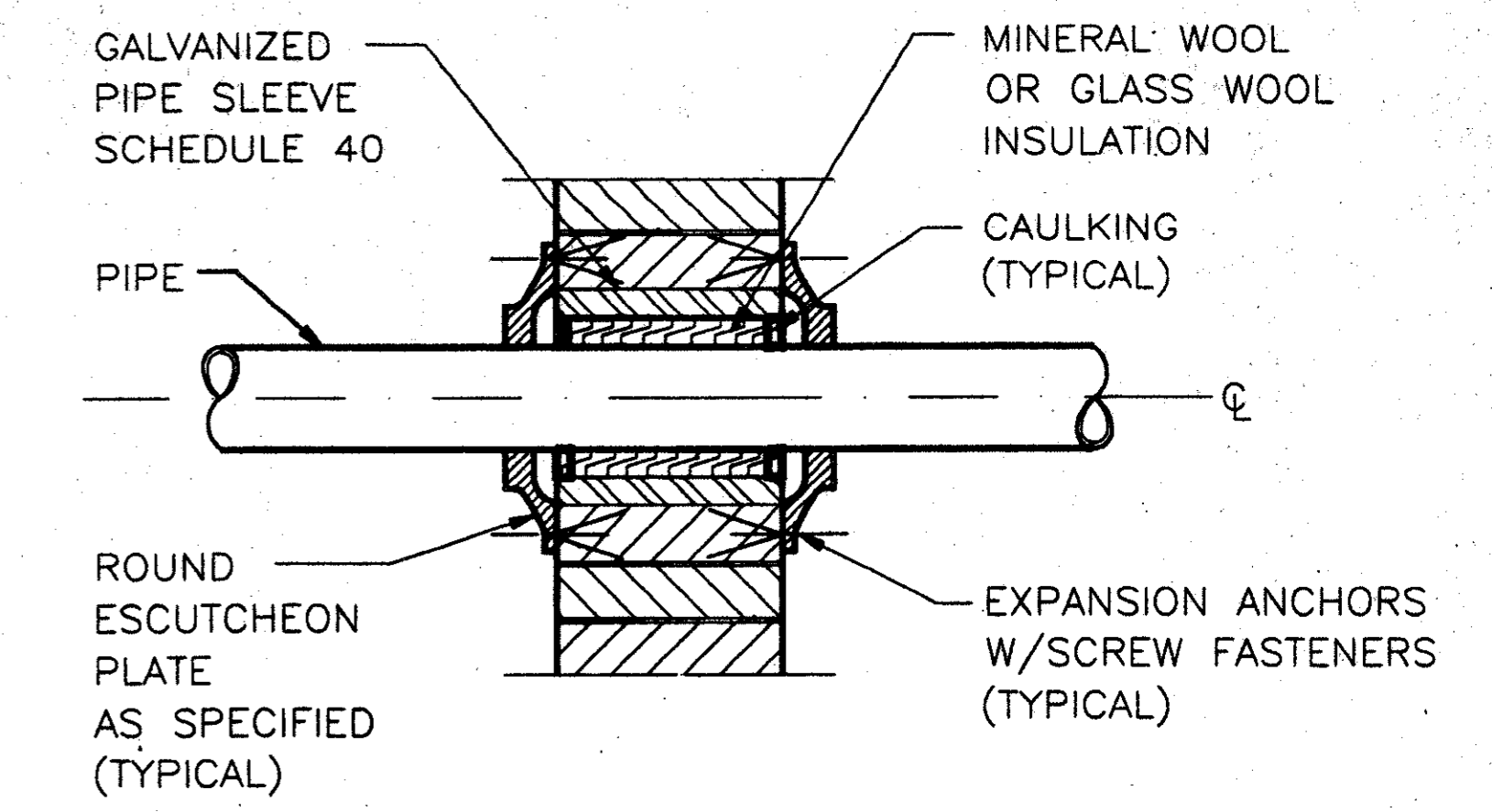
CONTRACT C-97000136
DWG. No. MC2-0003
REV. 0



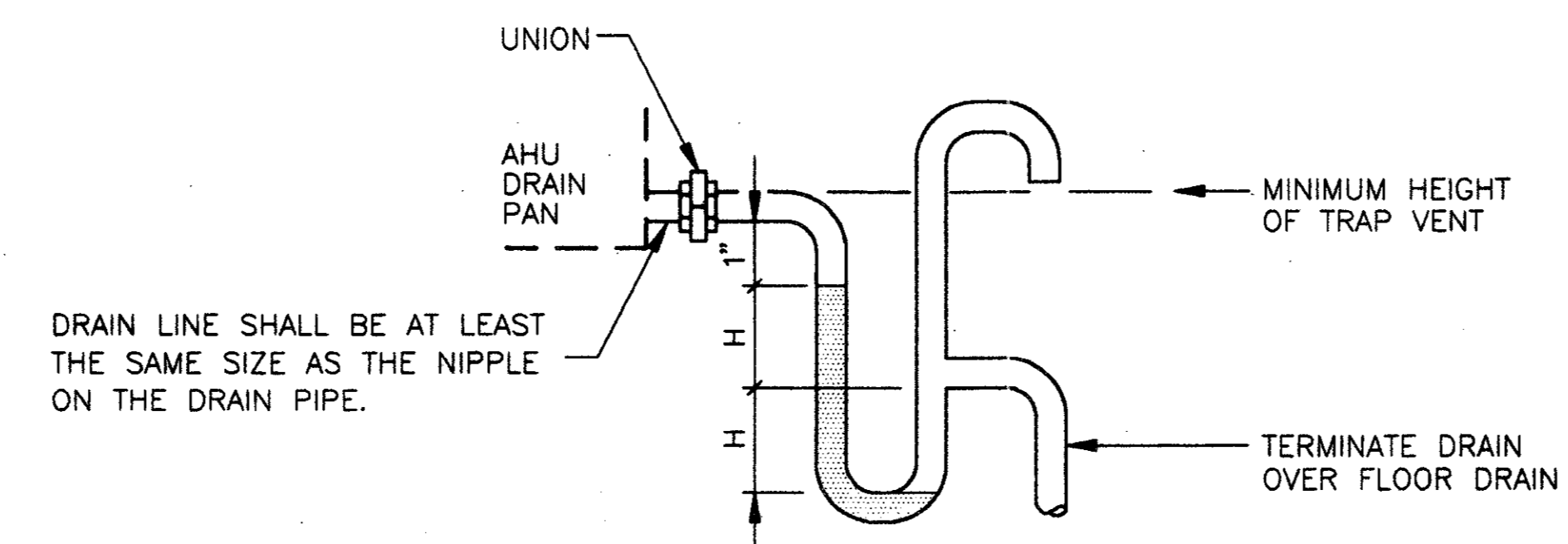
PIPE PENETRATION IN INTERIOR WALL 1
NOT TO SCALE MC2-0004



PIPE PENETRATION IN FLOOR SLAB 2
NOT TO SCALE MC2-0004

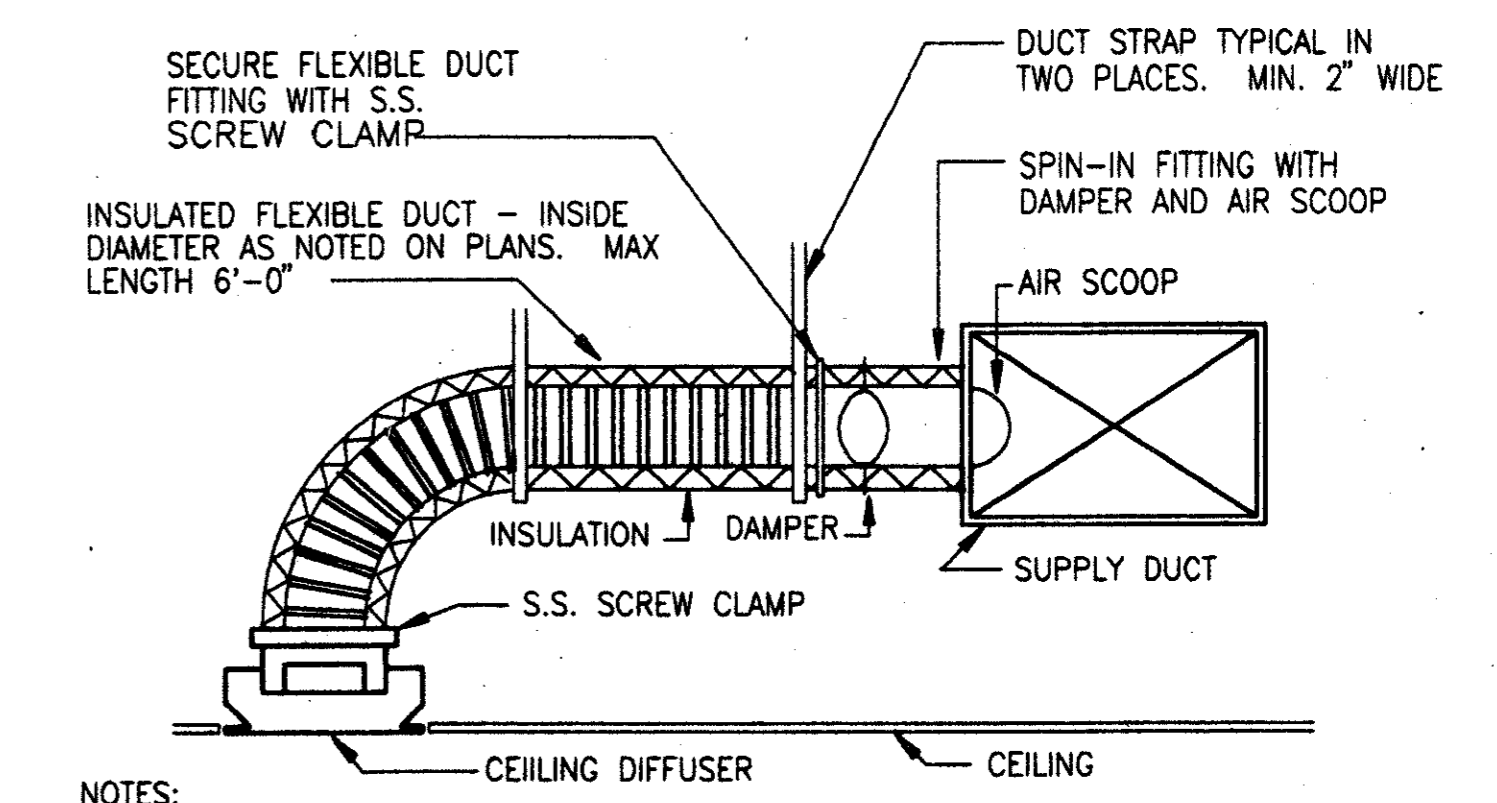


PIPE PENETRATION IN INTERIOR PARTITION 3
NOT TO SCALE MC2-0004



NOTE:
"H" EQUALS THE NEGATIVE ESP ON DRAW-THRU UNITS.

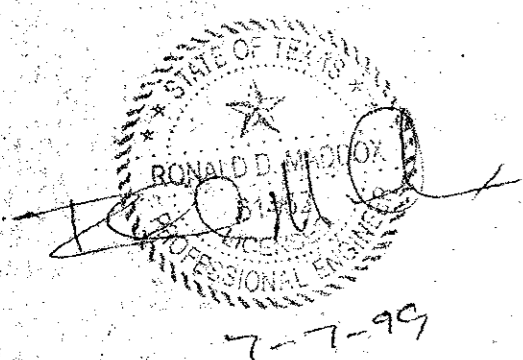
COIL TRAP DETAIL (DRAW-THRU UNIT) 4
NOT TO SCALE MC2-0004



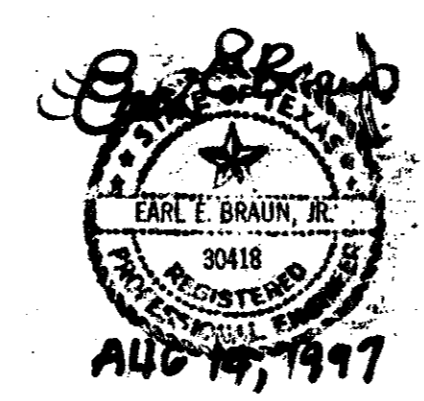
NOTES:
*FOR LENGTHS GREATER THAN 6'-0" USE EXTERNALLY INSULATED RIGID ROUND DUCT THE SAME SIZE AS THE FLEXIBLE DUCT FOR THE ADDITIONAL LENGTH.
*FLEXIBLE DUCT SHALL BE UL181 APPROVED AND SHALL NOT BE KINKED OR SAGGED.
*PROVIDE SPIN-IN FITTING FOR ALL ROUND FLEXIBLE DUCT CONNECTIONS TO RECTANGULAR DUCT. SPIN-IN FITTINGS SHALL BE FACTORY FABRICATED, AND INCLUDE AN AIR EXTRACTOR SCOOP AND A BALANCING DAMPER WITH A LOCKING QUADRANT AND HANDLE. BALANCING SHALL BE AT THE SPIN-IN FITTING AND NOT AT THE AIR DISTRIBUTION DEVICE.

DIFFUSER CONNECTION DETAIL 5
NOT TO SCALE MC2-0004

Record (As-built) Certification:
"Having checked this submission, we certify that it conforms to the requirements of the contract in all respects, except as otherwise indicated."
Contract Number: 97000136
Company Name: CAES
Officer of Firm Signature: [Signature]
Date: 7-7-99
Officer of Firm Name (typed): TOM KADER
Title of Officer (typed): PRESIDENT
Seal of Professional Engineer of Construction Contractor, in full signature and date, thereby sealing record (as built) drawings for accuracy. Any change or condition reflected herein, must be placed below:

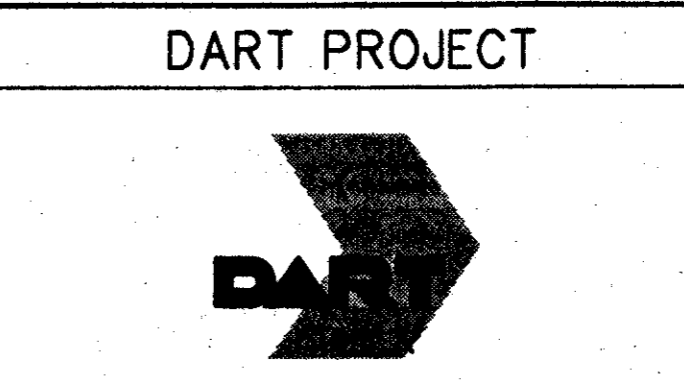


REV.	DATE	DESCRIPTION	BY	ENG.	CHK.	APP.	REV.	DATE	DESCRIPTION	BY	ENG.	CHK.	APP.



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Systems Design
4125 N. Central Expressway Dallas, TX 75204
(214) 528-6044 FAX (214) 528-0766

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ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
102 MARKET CENTER BLVD - SUITE 20
DALLAS, TEXAS 75201
(214) 748-7777



SCALE: NO SCALE
DRAWN: P. JACKSON
DESIGNED: E. BRAUN
CHECKED: W. GERARD
IN CHARGE: V. STEVENS
DATE: 14-AUG-97

CONFORMED
CONTRACT SHEET No. 86 of 95

ADDISON TRANSIT CENTER
HVAC DETAILS

CONTRACT C-97000136 DWG. No. MC2-0004 REV. 0

ABBREVIATIONS

AAV	AUTOMATIC AIR VENT	MAX	MAXIMUM
ADR	ACCESS DOOR	MEZZ	MEZZANINE
AD	AREA DRAIN	MH	MANHOLE
ALT	ALTERNATE	MIN	MINIMUM
ASA	AMERICAN STANDARDS ASSOCIATION	NAS	NATIONAL STANDARD
ASSY	ASSEMBLY	NIC	NOT IN CONTRACT
AUX	AUXILIARY	No.	NUMBER
CB	CATCH BASIN	NPS	NOMINAL PIPE SIZE
CFF	CAP FOR FUTURE	NTS	NOT TO SCALE
CI	CAST IRON	NFWH	NON FREEZE WALL HYDRANT
CLGS	CEILING SUPPORT	OC	ON CENTER
*	CENTERLINE	OS & Y	OUTSIDE SCREW & YOKE
CONN	CONNECTION	PL	PLATE
CONST	CONSTRUCTION	R	RADIUS
CONT	CONTINUED, CONTINUATION, CONTINUOUS	REF	REFERENCE
		RM	ROOM
DRN	DRAIN, DRAINAGE	SAN	SANITARY
D/F	DRINKING FOUNTAIN	SAP	SPRINKLER ALARM PANEL
DIA	DIAMETER	SDT	SMOKE DETECTOR
DIM	DIMENSION	SHD	SHOWER DRAIN
DN	DOWN	SHT	SHEET
DSP	DRY STANDPIPE	SHWR	SHOWER
DWG	DRAWING	SPEC	SPECIFICATION
EL	ELEVATION	SPR	SPRINKLER
ELEC	ELECTRIC, ELECTRICAL	SQ	SQUARE
ELEV	ELEVATOR	SQHD	SQUARE HEAD
ESC	ESCALATOR	SS	SANITARY SEWER
		S/S	SERVICE SINK
FCO	FLOOR CLEANOUT	SST	STAINLESS STEEL
FD	FLOOR DRAIN	STA	STATION
FE	FIRE EXTINGUISHER	STD	STANDARD
FE(C)	FIRE EXTINGUISHER (CABINET)	STL	STEEL
FDC	FIRE DEPARTMENT CONNECTION	ST	STREET
FH	FIRE HYDRANT		
FHC	FIRE HOSE CABINET	T/R	TOP OF RAIL
FHV	FIRE HOSE VALVE	TYP	TYPICAL
FLRH	FLOOR HYDRANT	THK	THICK, THICKNESS
FLSW	FLOW SWITCH		
FUT	FUTURE	USC&GS	UNITED STATES COAST & GEODETIC SURVEY
G	GAS (NATURAL)	V/T	VENT
GA	GAGE	VTR	VENT THRU ROOF
GI	GALVANIZED IRON	V.B.	VALVE BOX
GV	GAS VALVE	W/	WITH
G/V	GATE VALVE	W/O	WITHOUT
HB	HOSE BIBB	WCO	WALL CLEAN OUT
HD	HEAD	WHA	WATER HAMMER ARRESTER
HEX	HEXAGONAL	WM	WATER METER
IE	INVERT ELEVATION	WSP	WET STAND PIPE
IPSZ	IRON PIPE SIZE	WST	WALL SUPPORT
IN	INCH, INCHES		
LG	LENGTH, LONG		
LR	LONG RADIUS		

PIPING

---CW---	COLD DOMESTIC WATER	--- ---	UNION
---HW---	HOT WATER	---+---	SCREWED JOINT
---HWR---	HOT WATER RETURN	--- ---	FLANGED JOINT
---CD---	CONDENSATE DRAIN	---EJ---	EXPANSION JOINT
---G---	GAS (NATURAL)	---B&S---	BELL & SPIGOT
---F---	FIRE LINE	---P---	PLUG (BELL & SPIGOT)
---T---	THERMOMETER	---QDC---	QUICK DISCONNECT COUPLING
---WHA---	WATER HAMMER ARRESTOR	---ECO---	EXPOSED RISER CLEANOUT
---S---	STRAINER - BLOW DOWN	---T---	TRAP
---B---	BUSHING	---VT---	VENTED TRAP
---P---	PLUG	---PS---	PIPE SLEEVE
---GV---	GATE VALVE	---HB---	HOSE BIBB
---CV---	CHECK VALVE	---RED E D---	REDUCER ECCENTRIC DOWN
---P---	PUMP	---RED E U---	REDUCER ECCENTRIC UP
---FC---	FLEXIBLE CONNECTION	---RED C---	REDUCER, INCREASER CONCENTRIC
---VC---	VENT CAP	---GM---	GAS METER
---PG---	PIPE GUIDE	---CAP---	CAP
---PA---	PIPE ANCHOR	---CO---	CLEANOUT
---PH---	PIPE HANGER	---CO I---	PIPE HANGER - SPRING ISOLATED
---APC---	ALL PURPOSE COUPLING	---S---	SANITARY STACK NUMBER
---TC---	TRAP WITH CLEANOUT	---W---	WATER RISER NUMBER
---PT---	PIPE TRAP		
---CSI---	CONTINUOUS SLOT INSERT		
---NGR---	NATURAL GAS RISER NUMBER		
---R---	ROOF DRAINAGE CONDUCTOR NUMBER		

DRAINAGE

EXPOSED OR CONCEALED		EMBEDDED	
---D---	D	---D---	D
---V---	V	---V---	V
---S---	S	---S---	S
---COMB---	COMB	---COMB---	COMB

PIPE FITTINGS

(TYPICAL SAMPLING OF ASA STANDARDS)

PLAN	OUTLET UP	OUTLET DOWN	
			ELBOW 90*SHORT RADIUS
			ELBOW 90*LONG RADIUS
			ELBOW 45*
			ELBOW SIDE OUTLET
			TEE

DRAINAGE FITTINGS

	FD	FLOOR DRAIN
	RD	ROOF DRAIN
		OPEN SIGHT DRAIN
		SCUPPER DRAIN (PLAN)
		SCUPPER DRAIN (SECTION)
	CB AD	CATCH BASIN AREA DRAIN
		SHOWER DRAIN
	FCO	FLOOR CLEANOUT
	DCO	DOUBLE CLEANOUT
	ECO	EXPOSED RISER CLEANOUT
	WCO	WALL CLEANOUT
	GCO	GRADE CLEANOUT
	ACO	ACCESSIBLE EXPOSED HORIZONTAL CLEANOUT
	VTR	SOIL OR VENT STACK THROUGH ROOF
	RL	RAIN LEADER

Professional Engineer's Certification
 I certify that this construction plan was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer in the State of Texas.
 Contract Number: 97000136
 Client Name: DART PROJECT
 Date of Issue: 11/14/97
 Title of Plan: Plumbing Standards Abbreviations & Symbols
 Signature: Tom Kader, President
 Seal of Professional Engineer of Construction Contractor, including signature and date. The only sealing record (as-is) drawings for accuracy of as-built conditions indicated herein, must be placed below.

PLUMBING FIXTURES

	P-1*	WATER CLOSET WALL TYPE		P-7	WASH FOUNTAIN
	P-2*	URINAL		P-8	SHOWER STALL
	P-3*	LAVATORY		P-9	SHOWER HEADS
	P-4	MOP SINK		P-10	FAUCET BIBBS
	P-5*	ELECTRIC WATER COOLER		P-11	EMERGENCY SHOWER & EYE WASH
	P-6	EYEWASH		WH-1	WATER HEATER

* - INCLUDE "A" DESIGNATION FOR THE PHYSICALLY HANDICAPPED

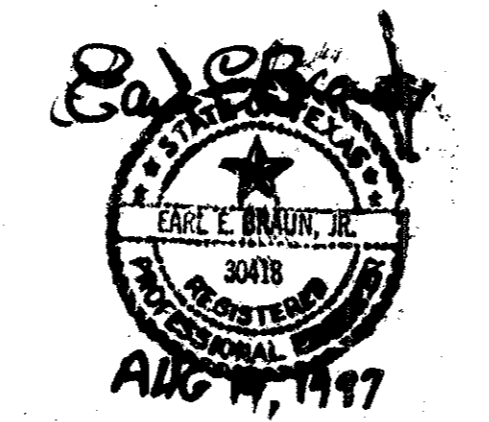
NOTES

- SYMBOLS GIVEN HERE MAY INCLUDE ITEMS WHICH ARE NOT PART OF THIS CONTRACT.
- DATUM SHOWN ON THESE PLANS IS UNITED STATES COAST & GEODETIC SURVEY (USC & GS) MEAN SEA LEVEL LATEST ADJUSTMENT.
- LONG RADIUS ELBOWS SHALL BE USED THROUGHOUT UNLESS OTHERWISE NOTED.
- IF NOT DESIGNATED, FLOOR DRAINS, DRAINAGE AND SANITARY PIPING SHALL BE FOUR (4) INCHES NOMINAL SIZE.
- ALL STORM DRAINAGE LINES SHALL BE AT ONE (1) PERCENT MINIMUM SLOPE UNLESS OTHERWISE INDICATED.
- ALL SANITARY LINES SHALL BE AT TWO (2) PERCENT MINIMUM SLOPE UNLESS OTHERWISE INDICATED.
- EMBEDDED LONGITUDINAL DRAINAGE MAINS SHALL SLOPE WITH THE TRACKS UNLESS OTHERWISE INDICATED.
- INVERT ELEVATIONS AND LOCATIONS OF EXISTING SEWERS, WATER MAINS, GAS MAINS, MANHOLES, ET CETERA ARE APPROXIMATE. CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND INVERT ELEVATIONS IN THE FIELD.
- ALL STEEL PIPE EMBEDDED IN CONCRETE SHALL BE GALVANIZED, UNLESS OTHERWISE NOTED.
- LOCATION, FINISHES AND INSTALLATION FOR ALL FIRE PROTECTION, PLUMBING, DRAINAGE DEVICES AND ACCESS PANELS IN PUBLIC AREAS SHALL BE COORDINATED WITH THE ARCHITECT.

CONFORMED

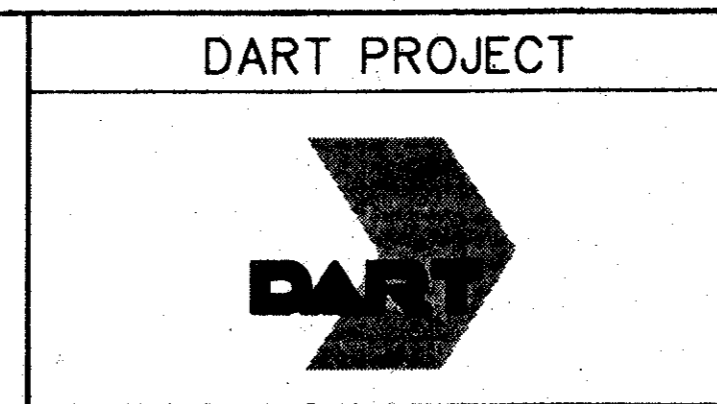
CONTRACT SHEET No. 87 of 95

REV.	DATE	DESCRIPTION	BY	ENG.	CHK.	APP.	REV.	DATE	DESCRIPTION	BY	ENG.	CHK.	APP.



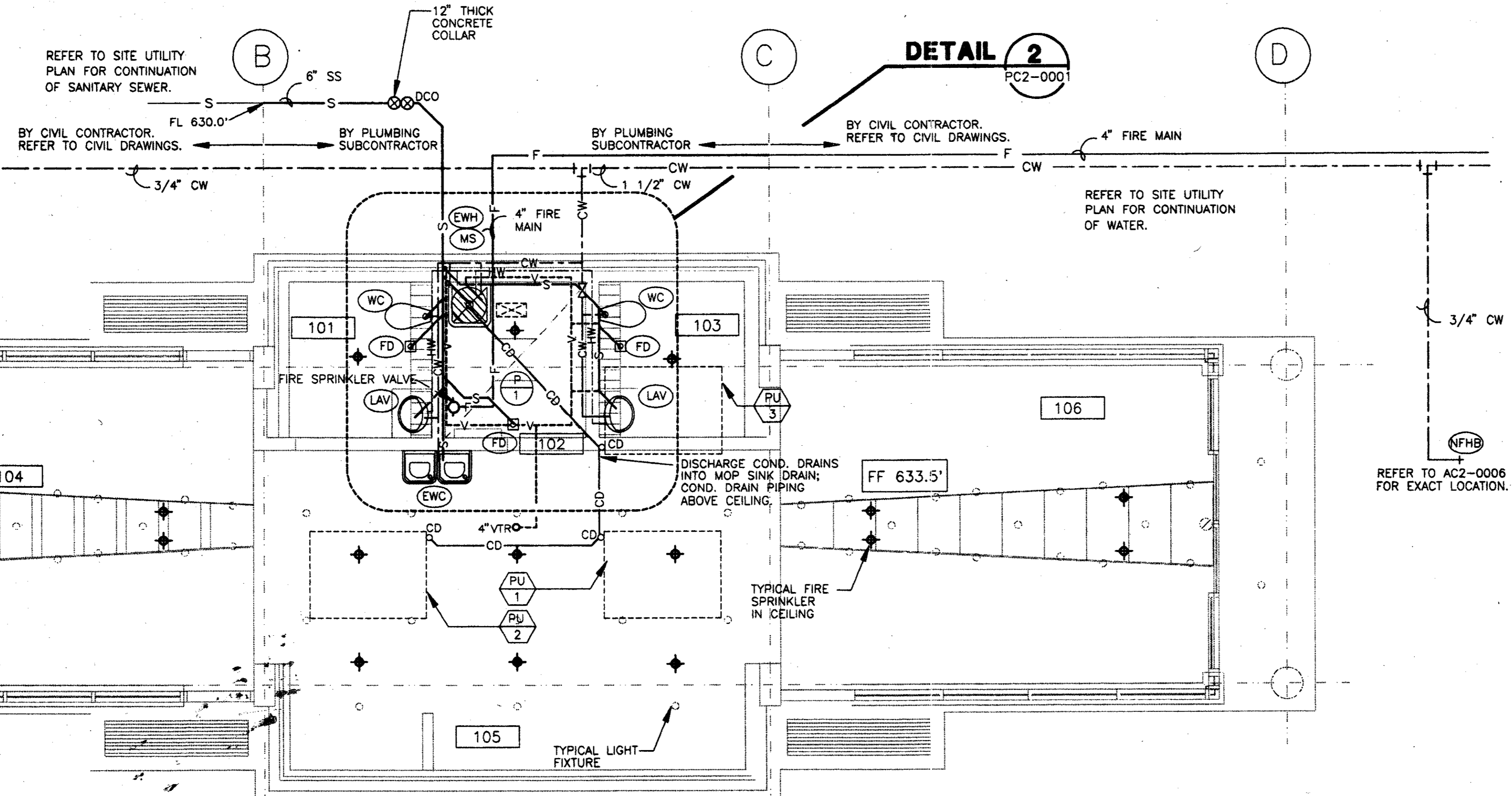
GERARD & ASSOCIATES
 CONSULTING ENGINEERS
 Mechanical Electrical Plumbing Systems Design
 4125 N. Central Expressway Dallas, TX 75204
 (214) 528-8044 FAX (214) 528-0766

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WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 300 MARKET CENTER BLVD - SUITE 200
 DALLAS, TEXAS 75201
 (214) 746-7777

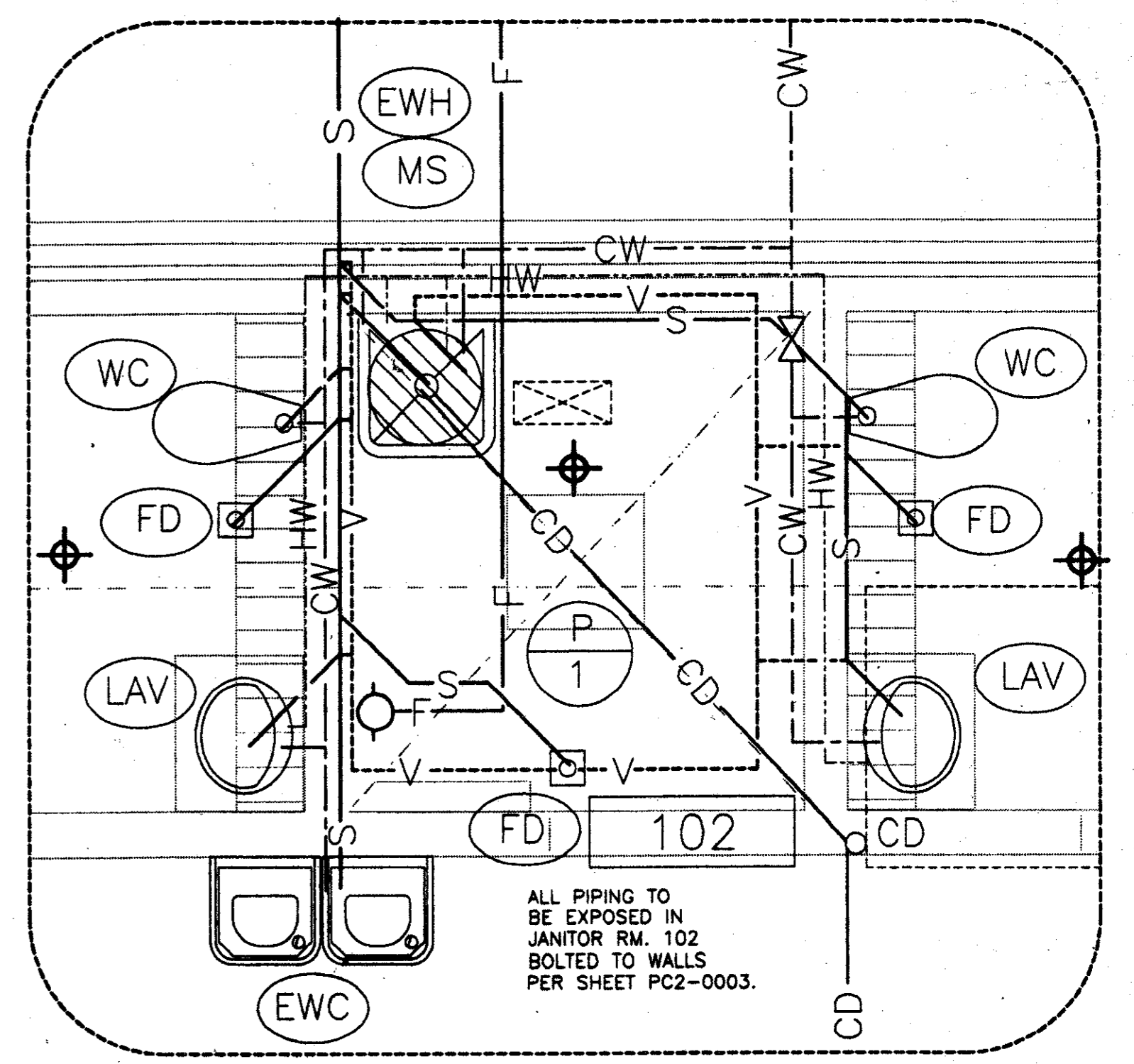
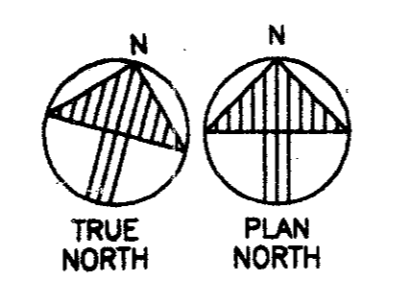


SCALE:	NO SCALE
DRAWN	P. JACKSON
DESIGNED	E. BRAUN
CHECKED	W. GERARD
IN CHARGE	V. STEVENS
DATE:	14-AUG-97

ADDISON TRANSIT CENTER
PLUMBING STANDARDS ABBREVIATIONS & SYMBOLS

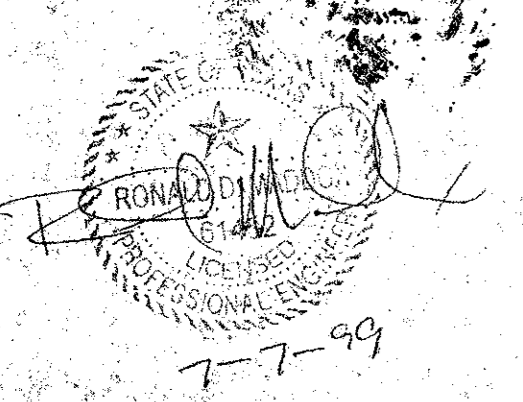


ENCLOSURE PLUMBING FLOOR PLAN 1
SCALE: 1/4" = 1'-0" PC2-0001



ENCLOSURE PLUMBING FLOOR PLAN - DETAIL 2
SCALE: 1/2" = 1'-0" PC2-0001

Record (As-built) Construction
Having checked this submission, I certify that it conforms to the requirements of the contract in all respects, and as otherwise indicated.
Contract Number: 97-0001
Company Name: *[Signature]*
Officer of Firm Signature: *[Signature]*
Date: *[Signature]*
Officer of Firm Name (typed): TOM WADEP
Title of Officer (typed): PRESIDENT
Seal of Professional Engineer: *[Signature]*
I, *[Signature]*, hereby seal and certify that the drawings, including specifications and data, attached hereto, are true and correct copies of the original drawings and specifications as shown to me by the contractor and as approved by me for the construction indicated hereon, and that I am a duly licensed Professional Engineer in the State of Texas.



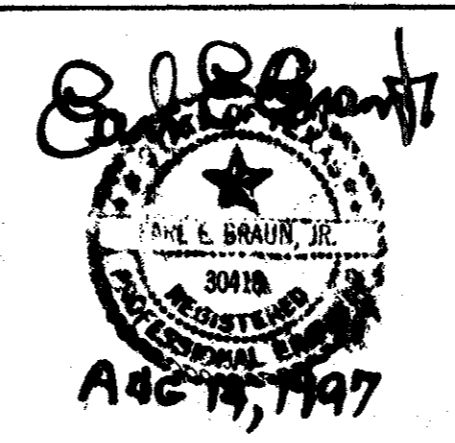
CONFORMED

CONTRACT SHEET No. 88 of 95

**ADDISON
TRANSIT CENTER**

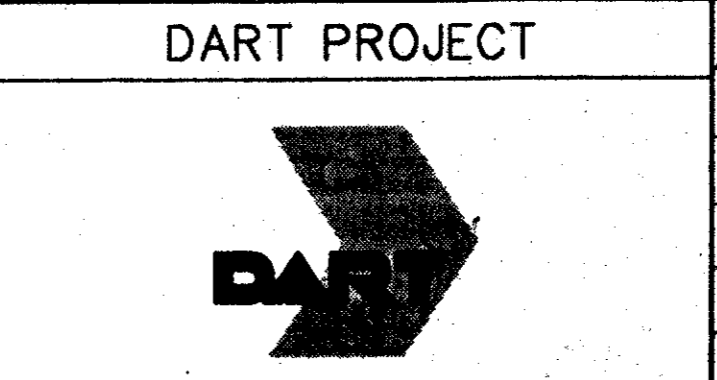
**ENCLOSURE PLUMBING
FLOOR PLAN**

REV.	DATE	DESCRIPTION	BY	ENG.	CHK.	APP.	REV.	DATE	DESCRIPTION	BY	ENG.	CHK.	APP.

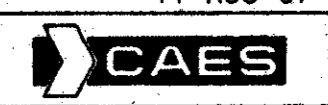


GERARD & ASSOCIATES
CONSULTING ENGINEERS
Mechanical Electrical Plumbing
Systems Design
4125 N. Central Expressway Dallas, TX 75204
(214) 521-8044 FAX (214) 528-0786

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
150 MARKET CENTER BLVD - SUITE 200
DALLAS, TEXAS 75207
(214) 746-7777

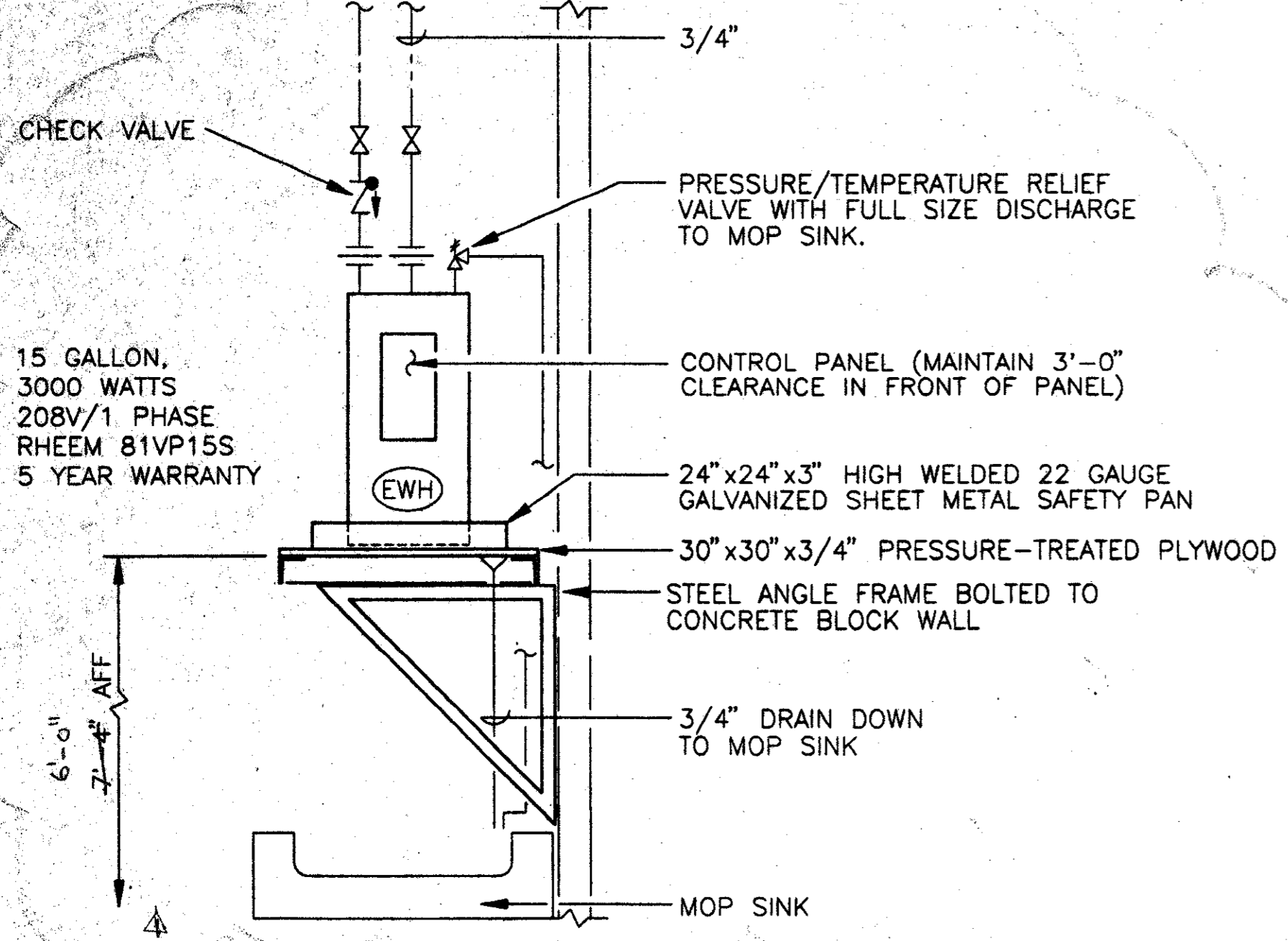


SCALE: 1/4" = 1'
DRAWN: P. JACKSON
DESIGNED: E. BRAUN
CHECKED: W. GERARD
IN CHARGE: V. STEVENS
DATE: 14-AUG-97



CONTRACT C-97000136 DWG. No. PC2-0001 REV. 0

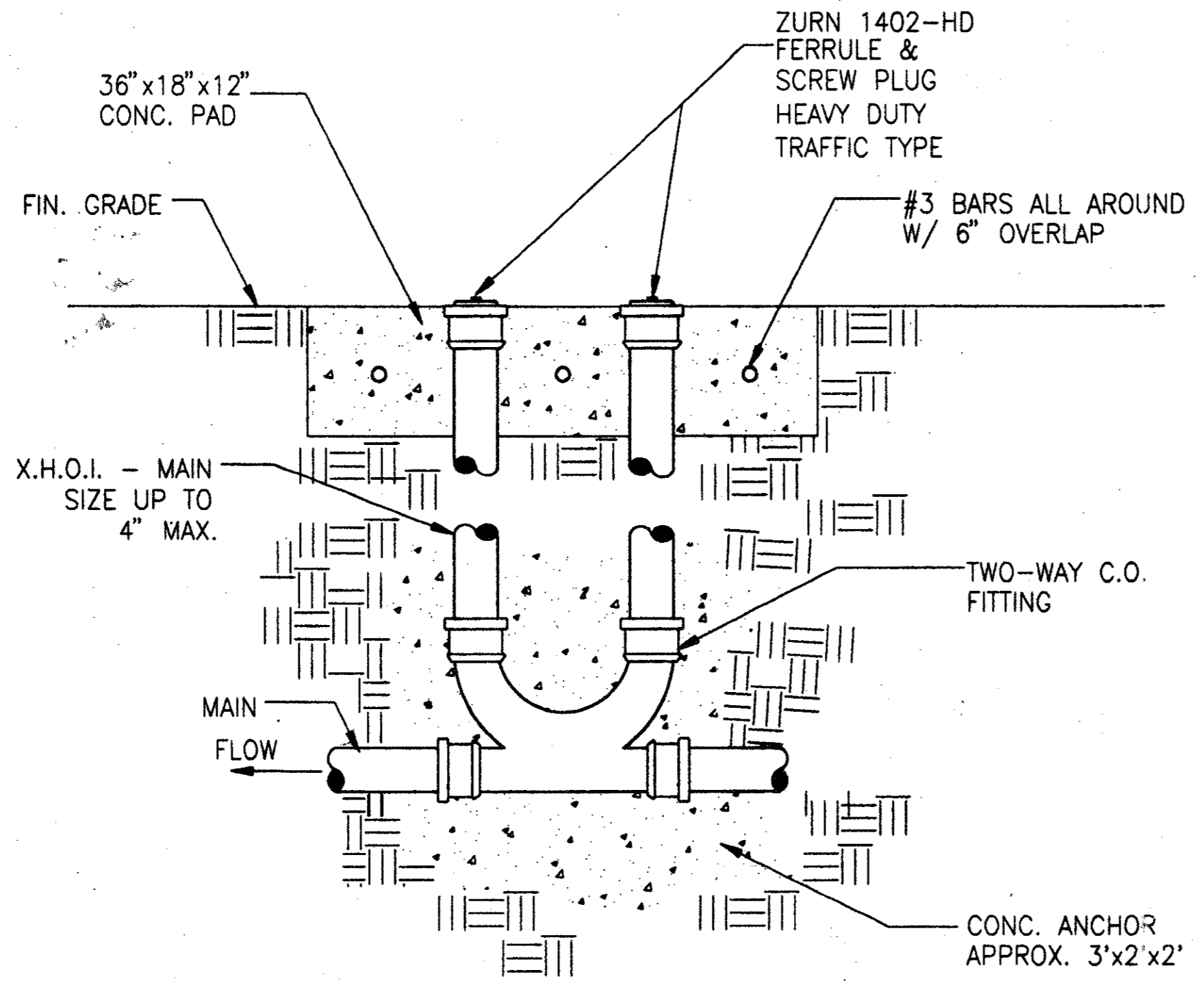
PC2-0002



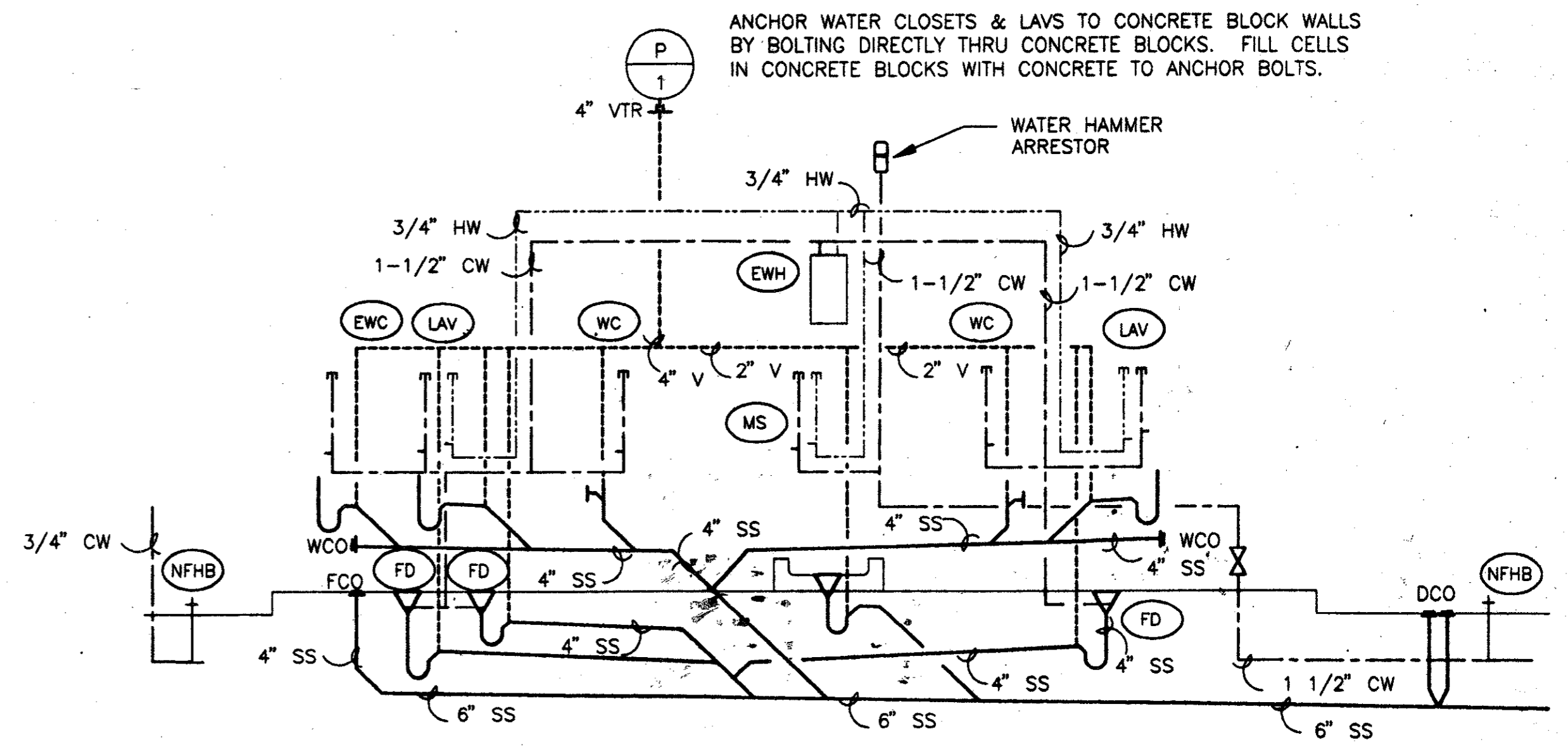
ELECTRIC WATER HEATER DETAIL 1
NOT TO SCALE PC2-0002

ITEM	FIXTURE	MANUFACTURER AND MODEL NO.	TRIM	MOUNTING				ROUGH-IN SIZES (INCHES)				NOTE NUMBERS	REMARKS
				WALL	CHAIR CARRIER	FLOOR	COUNTER TOP	HW	CW	V	W		
(WC)	WATER CLOSET	ACORN 2115-ADA SERIES SIPHON JET TOILET STAINLESS STEEL - ELONGATED	SLOAN ROYAL OPTIMA 152ES-S w/EL-150-L INFRARED FLUSH VALVE					-	1 1/2"	2"	4"	1	LOW FLOW 1.6 GAL. BACK OUTLET CONCEALED INSTALLATION (HANDICAP)
(LAV)	LAVATORY	ACORN 1953-ADA SERIES HANDICAPPED LAV STAINLESS STEEL	SPEAKMAN S-8000 SENSORFLO SERIES INFRARED FAUCET					3/8"	3/8"	1 1/4"	1 5/8"	1, 2, 3	CONCEALED INSTALLATION (HANDICAP)
(EWC)	ELECTRIC WATER COOLER	HALSEY TAYLOR HACBBL-Q BARRIER-FREE COOLER STAINLESS STEEL	PUSH ACTUATION MECHANISM, STANDARD FINISH					-	1/2"	1 1/4"	1 1/2"	1	DUAL BUBBLER (HANDICAP)
(MS)	MOP SINK	FIAT MSB-3624 MOLDED STONE W/HOSE & BRACKETS	832-AA-30' 830-AA W/TOP BRACE					3/4"	3/4"	1 1/2"	3"		
(FD)	FLOOR DRAIN	WADE W-1100 CAST IRON FLOOR DRAIN WITH SATIN STRAINER						-	-	2"	3"		PROVIDE TRAP PRIMER
(EWH)	ELECTRIC WATER HEATER	SEE DETAIL 1											
(NFHB)	NON-FREEZE HOSE BIBB	ZURN Z-1360 ANTISIPHON GROUND HYDRANT WITH LOCKABLE HEAVY DUTY COVER						-	3/4"	-	-		

NOTES: 1. FIXTURES TO MEET HANDICAPPED REQUIREMENTS OF ADA.
2. PROVIDE INSULATION ON PIPING AND P-TRAP FOR UNDER-COUNTER PIPING TO MEET ADA REQUIREMENTS. PROVIDE BRASSCRAFT FR1917C ANGLE STOPS.
3. PROVIDE LAWLER 3000 THERMOSTATICALLY CONTROLLED MIXING VALVE ON LAV INFRARED FAUCET TO MIX HOT AND COLD WATER.

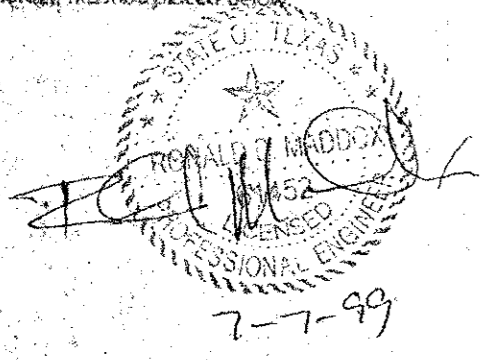


EXTERIOR TWO-WAY CLEANOUT 2
NOT TO SCALE PC2-0002



PLUMBING RISER DETAIL 3
NOT TO SCALE PC2-0002

Record (As-built) Certification
Having checked this submission, we certify that it conforms to the requirements of the contract in all respects, except as otherwise indicated.
Contract Number: 97000136
Company Name: [Signature]
Date: [Signature]
Title of Professional: [Signature]
Seal of Professional Engineer of Construction Contractors, State of Texas, and date, there being no record of such drawing for accuracy of condition reflected herein, must be placed here.



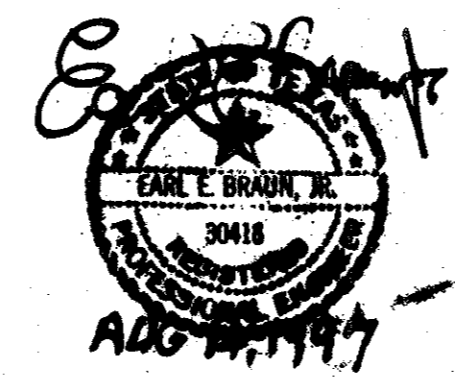
CONFORMED

CONTRACT SHEET No. 89 of 95

ADDISON TRANSIT CENTER

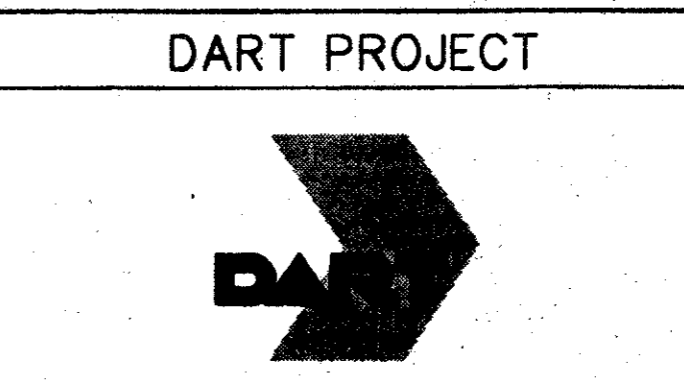
PLUMBING SCHEDULES AND DETAILS

REV.	DATE	DESCRIPTION	BY	ENG.	CHK.	APP.	REV.	DATE	DESCRIPTION	BY	ENG.	CHK.	APP.
Δ	8/30/99	RECORD AS-BUILT SUBMISSION	RDM		JLM								
Δ													
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Δ													
Δ													



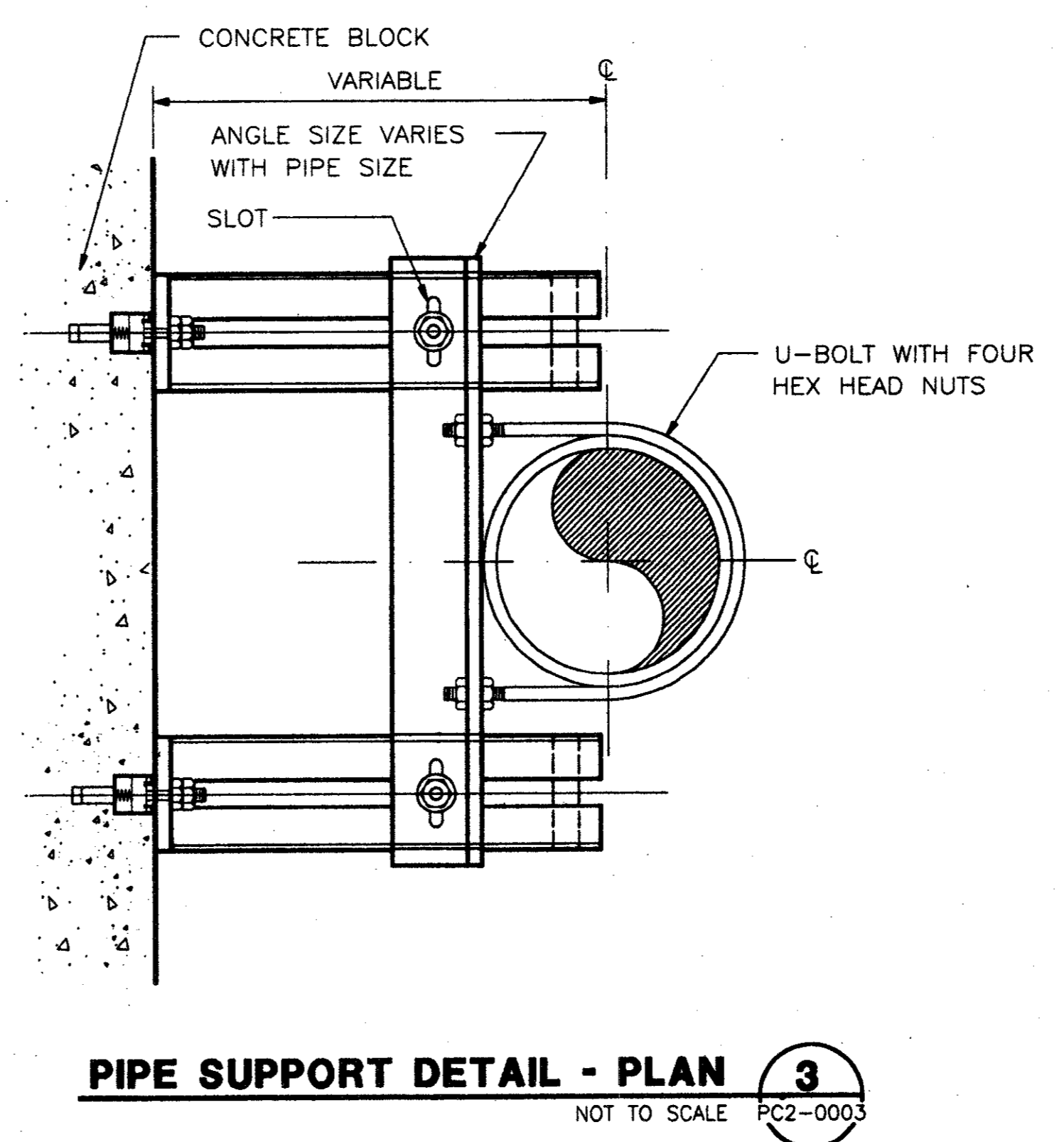
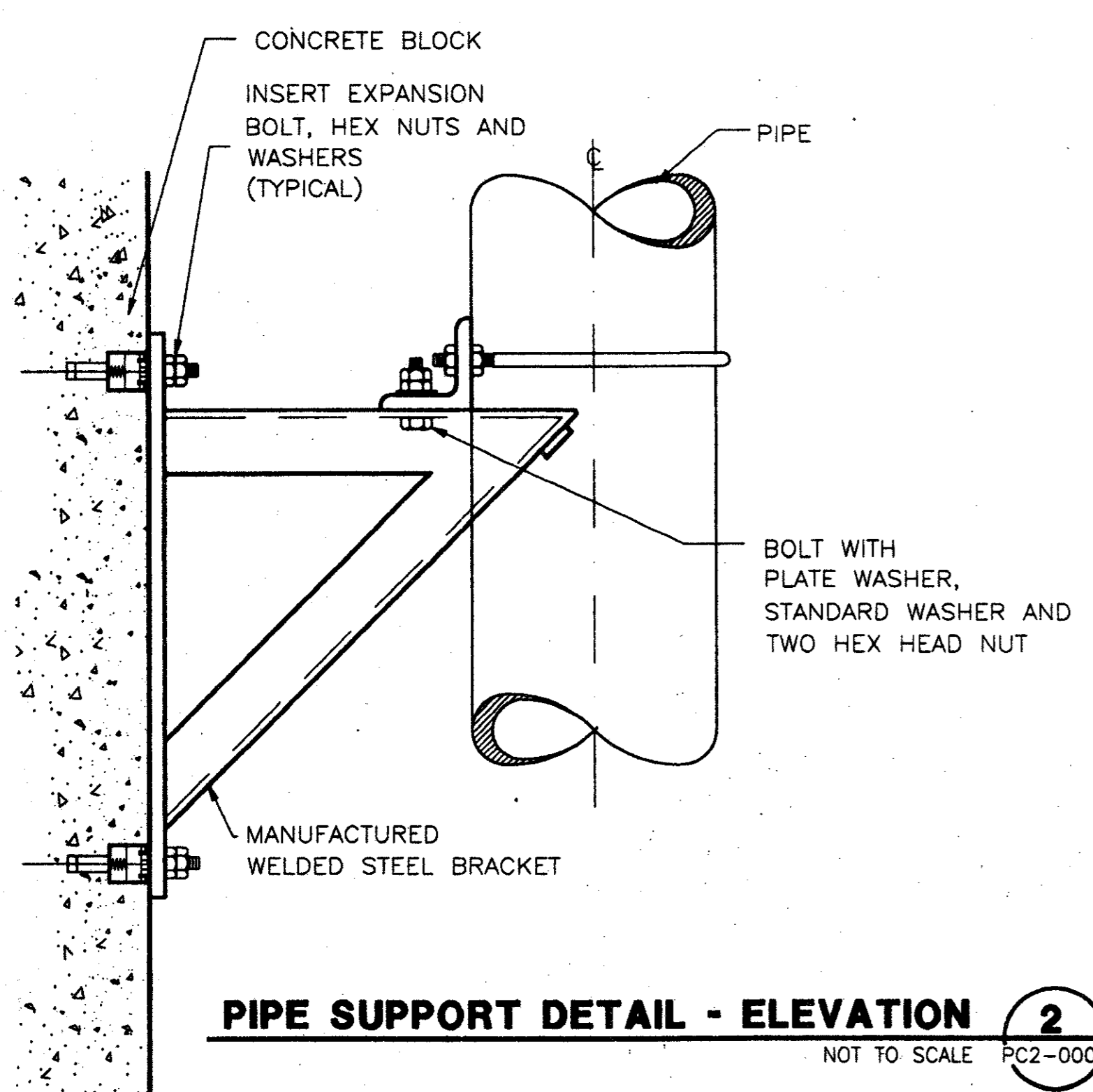
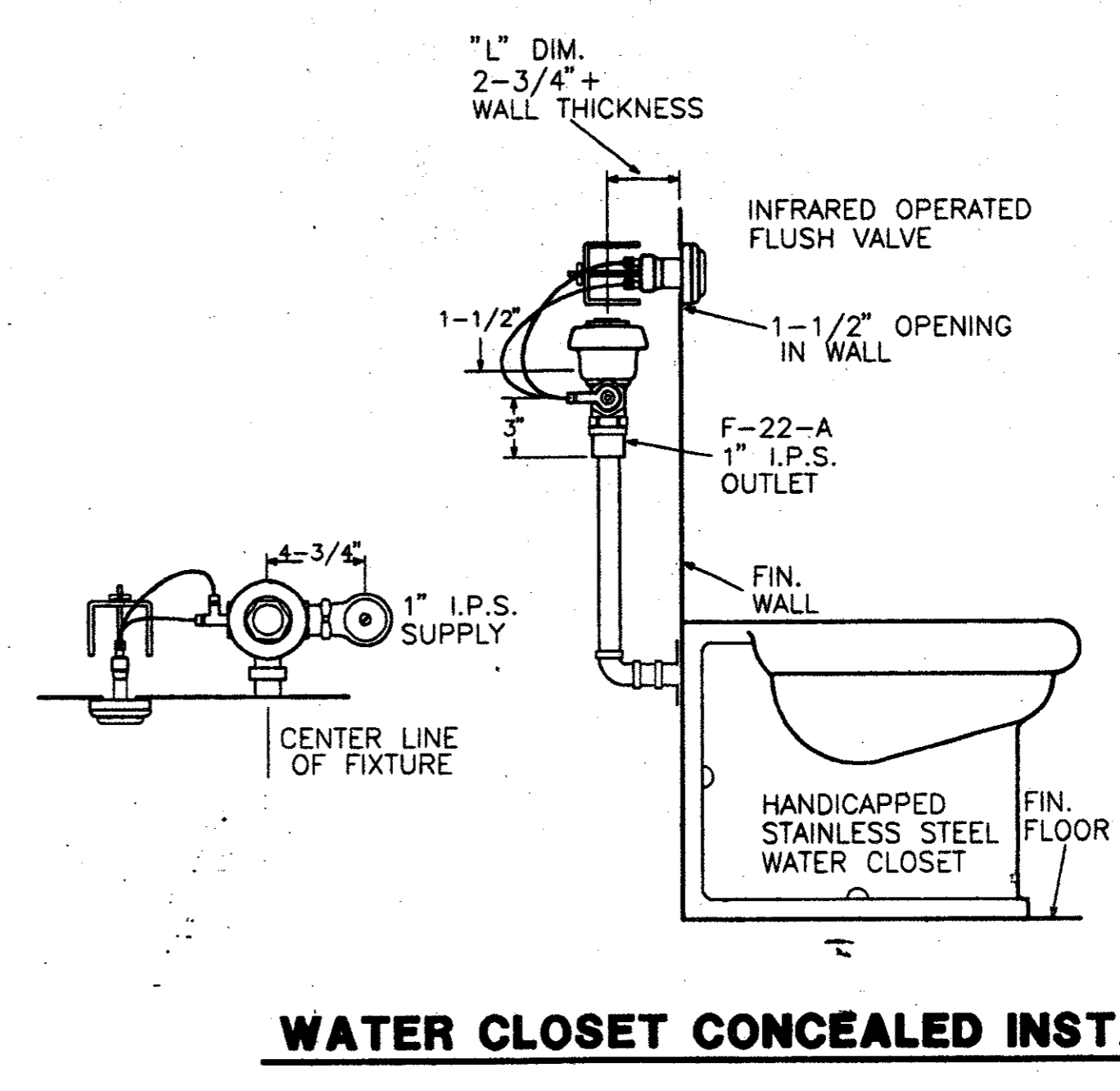
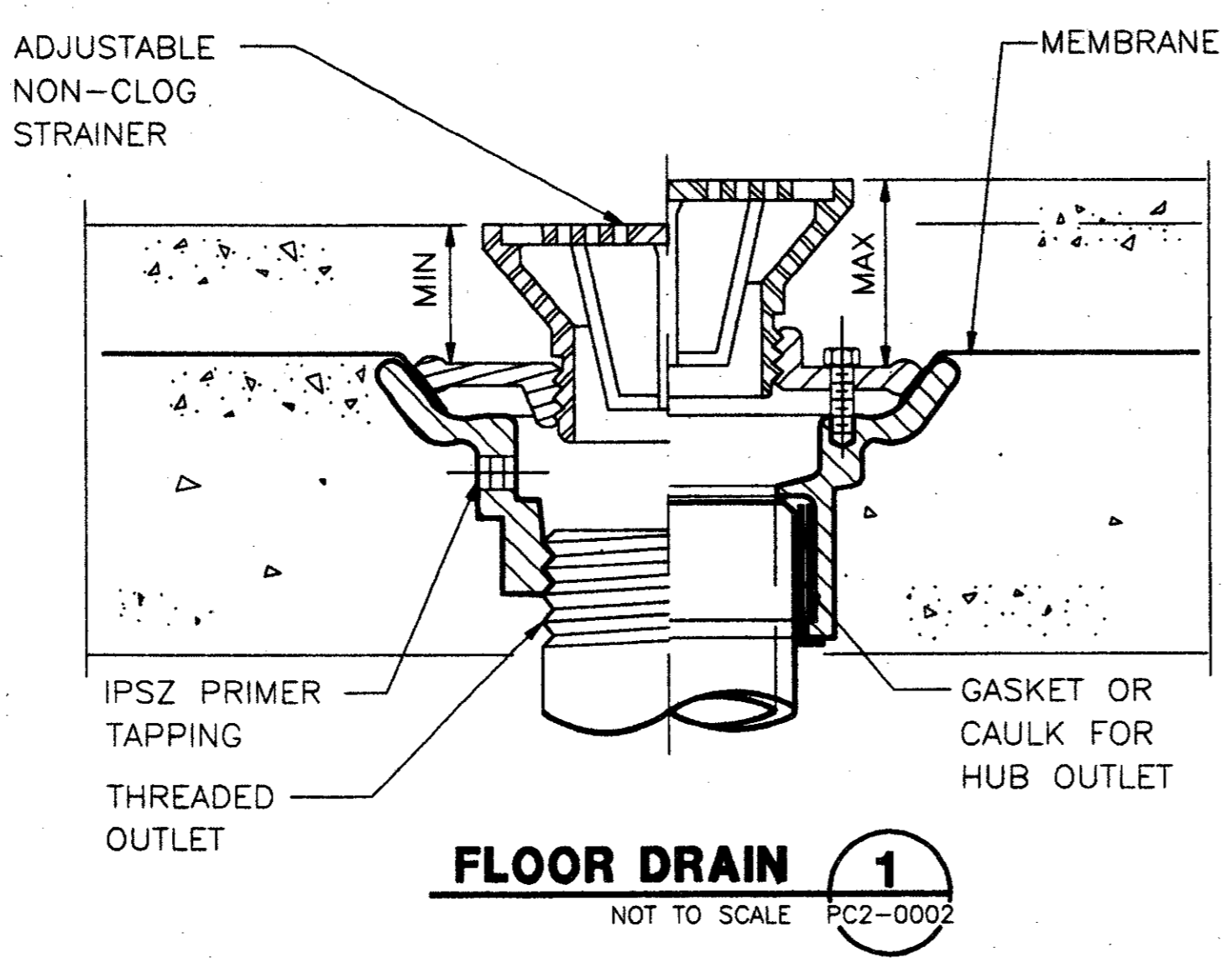
GERARD & ASSOCIATES
CONSULTING ENGINEERS
Mechanical Electrical Plumbing Systems Design
4125 N. Central Expressway Dallas, TX 75204
(214) 528-8044 FAX (214) 528-0766

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WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
102 MARKET CENTER BLDG. - SUITE 10
DALLAS, TEXAS 75202
(972) 746-7777



SCALE: NO SCALE
DRAWN: P. JACKSON
DESIGNED: E. BRAUN
CHECKED: W. GERARD
IN CHARGE: V. STEVENS
DATE: 14-AUG-97

CONTRACT C-97000136 DWG. No. PC2-0002 REV. 01



Record (As-built) Certification

I have checked this submission, and certify that it conforms to the requirements of the contract in all respects except as otherwise indicated.

Contract Number: 97000136

Company Name: [Signature]

Title of Official (Typed): [Signature]

Professional Engineer or Construction Contractor, including inspectors and drafters, by signing record drawings for accuracy of as-built conditions indicated herein, must be placed below.

7-7-97

CONFORMED

CONTRACT SHEET No. 90 of 95

ADDISON TRANSIT CENTER

PLUMBING DETAILS

REV.	DATE	DESCRIPTION	BY	ENG.	CHK.	APP.	REV.	DATE	DESCRIPTION	BY	ENG.	CHK.	APP.

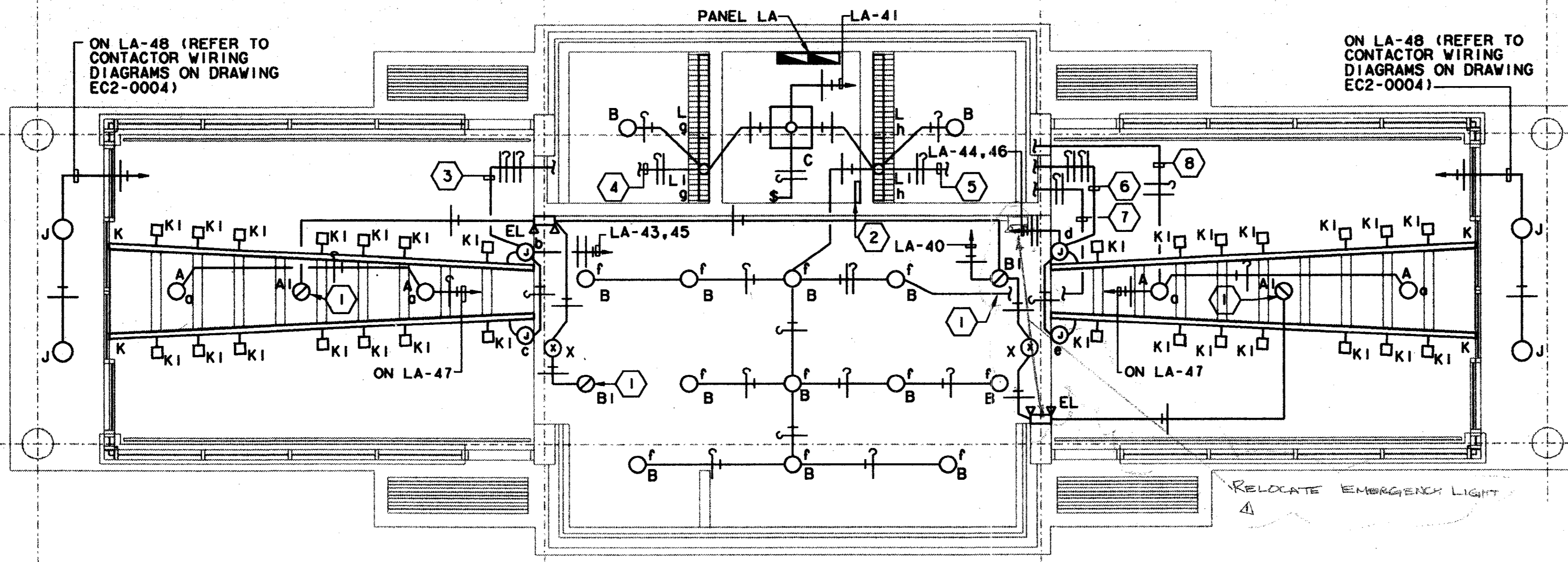
GERARD & ASSOCIATES
CONSULTING ENGINEERS
Mechanical Electrical Plumbing
Systems Design
4125 N. Central Expressway Dallas, TX 75204
(214) 528-6044 FAX (214) 528-0766

WINDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
102 MARKET CENTER BLVD - SUITE 50
DALLAS, TEXAS 75207
(214) 748-7777

DART PROJECT

SCALE:	NO SCALE
DRAWN	P. JACKSON
DESIGNED	E. BRAUN
CHECKED	W. GERARD
IN CHARGE	V. STEVENS
DATE:	14-AUG-97

CONTRACT	C-97000136	DWG. No.	PC2-0003	REV.	0
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ENCLOSURE LIGHTING PLAN (01)
SCALE: 1/4" = 1'-0"

GENERAL NOTE:
1. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT FIXTURE LOCATION.

- KEY NOTE:**
- 1 SECURITY LIGHT FIXTURE.
 - 2 LOCATION OF SWITCHES o, b, c, d, e, f, g & h. ARRANGE SWITCHES IN TWO ROWS OF FOUR.
 - 3 TO SWITCHES b & c. REFER TO KEY NOTE #2.
 - 4 TO SWITCH g. REFER TO KEY NOTE #2.
 - 5 TO SWITCH h. REFER TO KEY NOTE #2.
 - 6 TO SWITCHES d & e. REFER TO KEY NOTE #2.
 - 7 TO SWITCH f. REFER TO KEY NOTE #2.
 - 8 TO SWITCH a. REFER TO KEY NOTE #2.

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMPS	NOTES	TYPE	DESCRIPTION	LAMPS	NOTES
A ○	6" ROUND RECESSED INCANDESCENT DOWN LIGHT PRESCOLITE NO. INC600-ST1602	150W A21 38	WAITING AREA	G ●	42" VANDAL RESISTANT BOLLARD LIGHT FIXTURE. KIM NO. VRB1/100MH20/DB-P	100 W MH	SITE
AI ○	SAME AS TYPE A EXCEPT USED FOR SECURITY.			H ○	WALL MOUNTED H.I.D. LIGHT FIXTURE. KIM NO. WD14D2/175MH208/WHP	175 W MH	MOUNTED ON CANOPY COLUMN FOR 100% UPLIGHT AT 40 DEGREE ANGLE FROM VERTICAL. NO. J-27H/DB-P HARDWARE.
B ○	4" ROUND RECESSED INCANDESCENT DOWN LIGHT PRESCOLITE NO. 1222-262	100W A19	VENDING, TELEPHONE, DRINKING & MANAGER AREAS	EL ⌚	WALL MOUNTED EMERGENCY BATTERY PACK. PRESCOLITE NO. EMAX.	INCLUDED	GENERAL AREA.
BI ○	SAME AS TYPE B EXCEPT USED FOR SECURITY.			J ○	RECESSED ROUND COMPACT FLUORESCENT LIGHT FIXTURE. PRESCOLITE NO. CF1013RD-F8.	2-13WPL	EXTERIOR CANOPY.
C □	RECESSED 10" SQUARE COMPACT FLUORESCENT LIGHT FIXTURE PRESCOLITE NO. CF85Q25-2	2-9W PL	JANITOR'S CLOSET	K ≡	SINGLE CIRCUIT LIGHT TRACK. PRESCOLITE TS SERIES	-	WAITING AREA. LENGTH AS SHOWN ON PLAN. WHITE FINISH
D □	POLE MOUNTED H.I.D. LIGHT FIXTURE. KIM NO. AR5/175-208	MS-175/HOR	PARKING LOTS. 12' POLE	KI □	FLAT BACK CYLINDRICAL LIGHT TRACK FIXTURE HEAD. PRESCOLITE NO. T104	150W PAR 38 R40	WAITING AREA. WHITE FINISH.
DI □	SAME AS TYPE D EXCEPT USED FOR SECURITY.			L ▬	4' FLUORESCENT STRIP LIGHT FIXTURE COLUMBIA CS240-120 ES	2-F32T8	RESTROOMS. ELECTRONIC BALLAST
E □	POLE MOUNTED H.I.D. LIGHT FIXTURE. KIM NO. AR3/175-208	MS-175/HOR	PARKING LOTS. 12' POLE	LI ▬	3' FLUORESCENT STRIP LIGHT FIXTURE. COLUMBIA NO. CS3-230-120ES.	2-F25T8	RESTROOMS. ELECTRONIC BALLAST
EI □	SAME AS TYPE E EXCEPT USED FOR SECURITY.			M ○	STANCHION MOUNTED ADJUSTABLE H.I.D. FLOODLIGHT WITH WIDE FLOOD DISTRIBUTION AND FIXED HOOD SHIELD ACCESSORY. KIM NO. AFL1/175MH/FH/208.	175 W MH ED-17 MEDIUM BASE	MOUNTED 8' FROM EITHER SIDE OF DART SIGN AT MIDPOINT OF SIGN.
F □	POLE MOUNTED H.I.D. LIGHT FIXTURE. KIM NO. AR5/175-208	MS-175/HOR	PARKING LOTS. 12' POLE	X ⊗	UNIVERSAL MOUNTED EXIT LIGHT. PRESCOLITE NO. LEDR-1-NB-W.	INCLUDED	EXITS.
FI □	SAME AS TYPE F EXCEPT USED FOR SECURITY.						

Seal of Professional Engineer of Construction Contractor, including signature and date. Having checked the submission, we certify that it conforms to the requirements of the contract in all respects, except as otherwise indicated.
Contract Number: 900000136
Company Name: WEA
Officer of Firm Signature: Wendy Lopez
Title: Officer (Project)
Seal of Professional Engineer of Construction Contractor, including signature and date. Having checked the submission, we certify that it conforms to the requirements of the contract in all respects, except as otherwise indicated.
Contract Number: 900000136
Company Name: WEA
Officer of Firm Signature: Wendy Lopez
Title: Officer (Project)

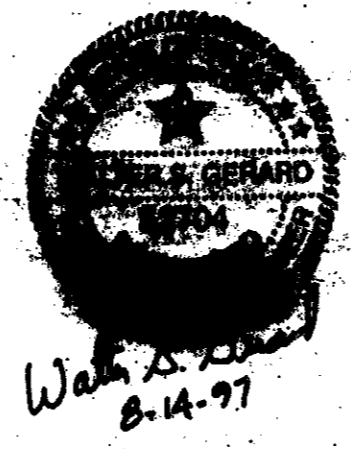
7-7-99

CONFORMED

CONTRACT SHEET No. 93 OF 95

**ADDISON
TRANSIT CENTER
ENCLOSURE LIGHTING
PLAN**

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
1	8/30/99	RECORD AS BUILT SUBMITTAL	RDM		DLM								
2													
3													
4													
5													



GERARD & ASSOCIATES
CONSULTING ENGINEERS
Mechanical Electrical Plumbing
Systems Design
409 Centre Dallas, Texas 75206 (214)946-0404

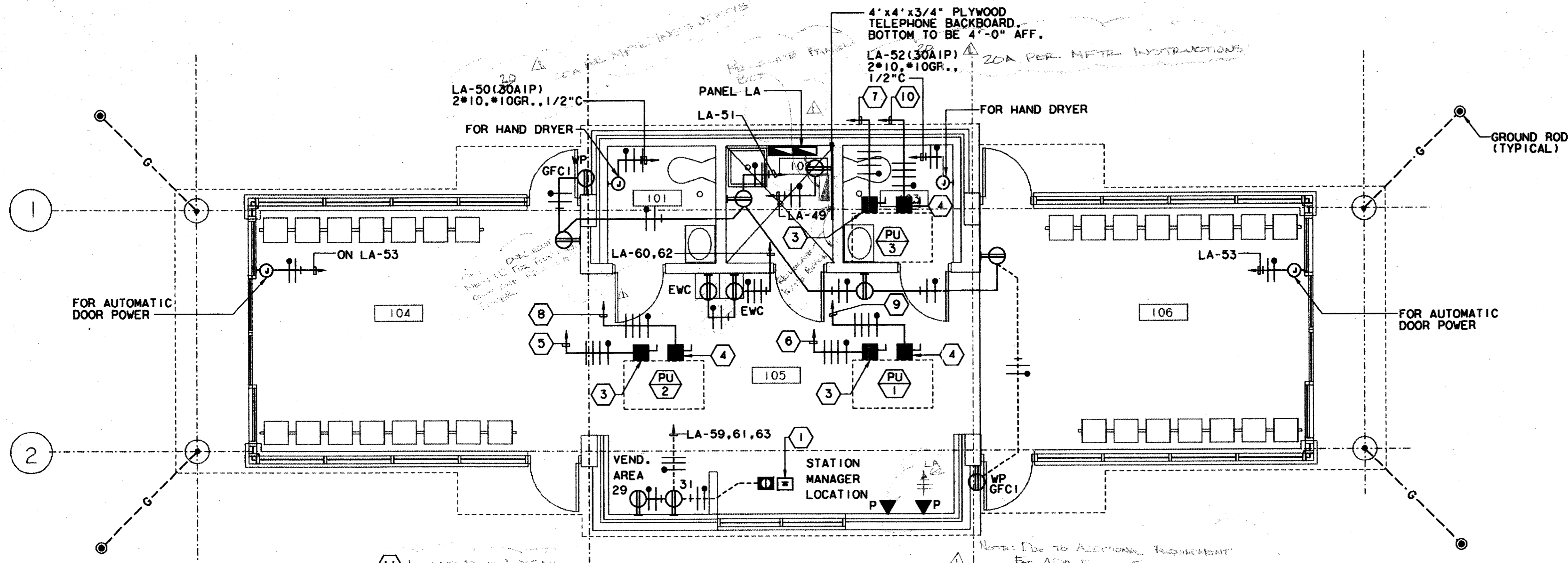
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
100 MARKET CENTER BLVD - SUITE 20
DALLAS, TEXAS 75207
(214) 745-7777

DART PROJECT

DART

SCALE	1/4"=1'-0"
DRAWN	P. LLOYD
DESIGNED	V. GERARD
CHECKED	V. GERARD
IN CHARGE	V. STEVENS
DATE	14 AUG 97

\$\$\$DGN\$\$\$SPECIFICATION\$\$\$
 \$\$\$SYTIME\$\$\$
 \$\$\$PRF\$\$\$
 \$\$\$USERNAME\$\$\$
 \$\$\$ROT\$\$\$
 \$\$\$PEN\$\$\$
 \$\$\$LE6\$\$\$
 \$\$\$LE7\$\$\$
 \$\$\$LE8\$\$\$
 \$\$\$LE9\$\$\$
 \$\$\$LE10\$\$\$
 ELEC
 ABTCELERS.008
 ABTCACT1.DGN
 RCP
 \$\$\$LE4\$\$\$
 \$\$\$LE5\$\$\$

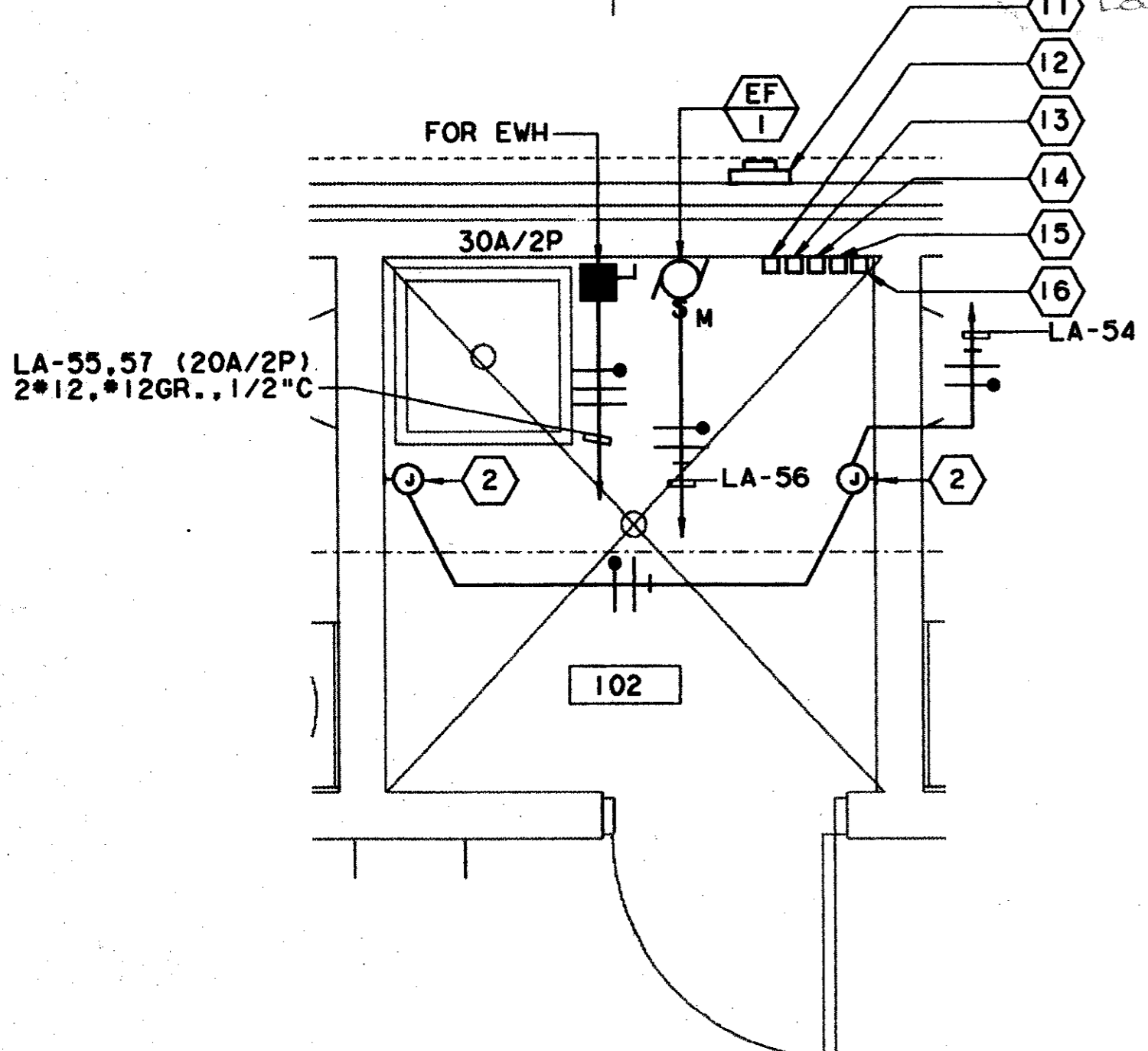
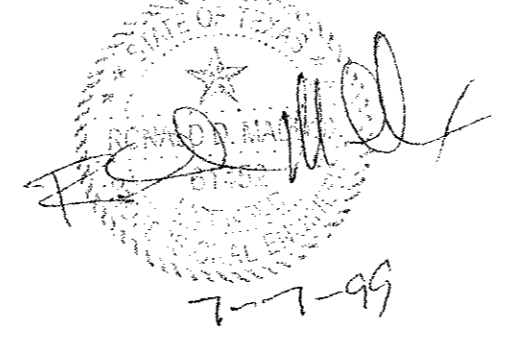


ENCLOSURE POWER PLAN (01)
SCALE: 1/4" = 1'-0"

- GENERAL NOTES:**
1. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF HVAC EQUIPMENT.
 2. REFER TO PLUMBING DRAWINGS FOR EXACT LOCATIONS OF PLUMBING EQUIPMENT.
 3. REFER TO SCHEMATIC CONTACTOR WIRING DIAGRAM ON DRAWING EC2-0004 FOR LIGHTING CONTACTOR REQUIREMENTS.

- KEY NOTES:**
- 1 PROVIDE AND INSTALL FLOOR BOXES WITH BRASS COVER PLATES FOR POWER AND TELEPHONE RECEPTACLES.
 - 2 FOR PLUMBING FIXTURE CONTROLS. MOUNT 12" AFF.
 - 3 100A/3P DISCONNECT SWITCH.
 - 4 60A/3P DISCONNECT SWITCH.
 - 5 LA-2,4,6 (80A/3P) 3*4, #8GR., 1"C.
 - 6 LA-1,3,5 (80A/3P) 3*4, #8GR., 1"C.
 - 7 LA-7,9,11 (80A/3P) 3*4, #8GR., 1"C.
 - 8 LA-13,15,17 (40A/3P) 3*8, #10GR., 3/4"C.
 - 9 LA-8,10,12 (40A/3P) 3*8, #10GR., 3/4"C.
 - 10 LA-14,16,18 (40A/3P) 3*8, #10GR., 3/4"C.
 - 11 LOCATION OF ELECTRICAL METER.
 - 12 PHOTO-ELECTRIC CONTROL CELL MOUNTED ON ROOF.
 - 13 TIME CLOCK ADJACENT TO PANEL LA.
 - 14 8-POLE LIGHTING CONTACTOR. REFER TO GENERAL NOTE NO. 3.
 - 15 6-POLE LIGHTING CONTACTOR. REFER TO GENERAL NOTE NO. 3.
 - 16 3-POLE LIGHTING CONTACTOR. REFER TO GENERAL NOTE NO. 3.

Professional Certification
 I, the undersigned, do hereby certify that this drawing conforms to the provisions of the contract in all respects, except as otherwise indicated.
 Contract Number: 990000
 Date of this certification: 8-14-97
 Title of Officer (Typed): J. M. KADEL, PRESIDENT
 Seal of Professional Engineer or Construction Contractor, including signature and date, thereby making record (as-built) drawings for accuracy of work as condition reflected herein, must be placed below.

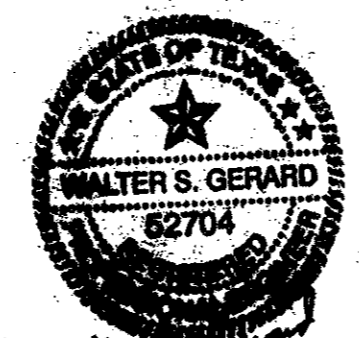


ENLARGED PLAN-JANITOR CLOSET (02)
SCALE: 1/2" = 1'-0"

CONFORMED

CONTRACT SHEET No. 94 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
1	8/30/99	Revised As Bldg Structural		RDM		JLM							



Walter S. Gerard
8-14-97

GERARD & ASSOCIATES
CONSULTING ENGINEERS
Mechanical Electrical Plumbing
Systems Design
400 Centre Dallas, Texas 75208 (214)946-6404

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
1825 MARKET CENTER BLVD - SUITE 510
DALLAS, TEXAS 75207
(214) 746-7777

DART PROJECT

DART

SCALE	1/4" = 1'-0"
DRAWN	P. LLOYD
DESIGNED	V. GERARD
CHECKED	V. GERARD
IN CHARGE	V. STEVENS
DATE	14 AUG 97

ADDISON TRANSIT CENTER ENCLOSURE POWER PLAN

CONTRACT C-97000136

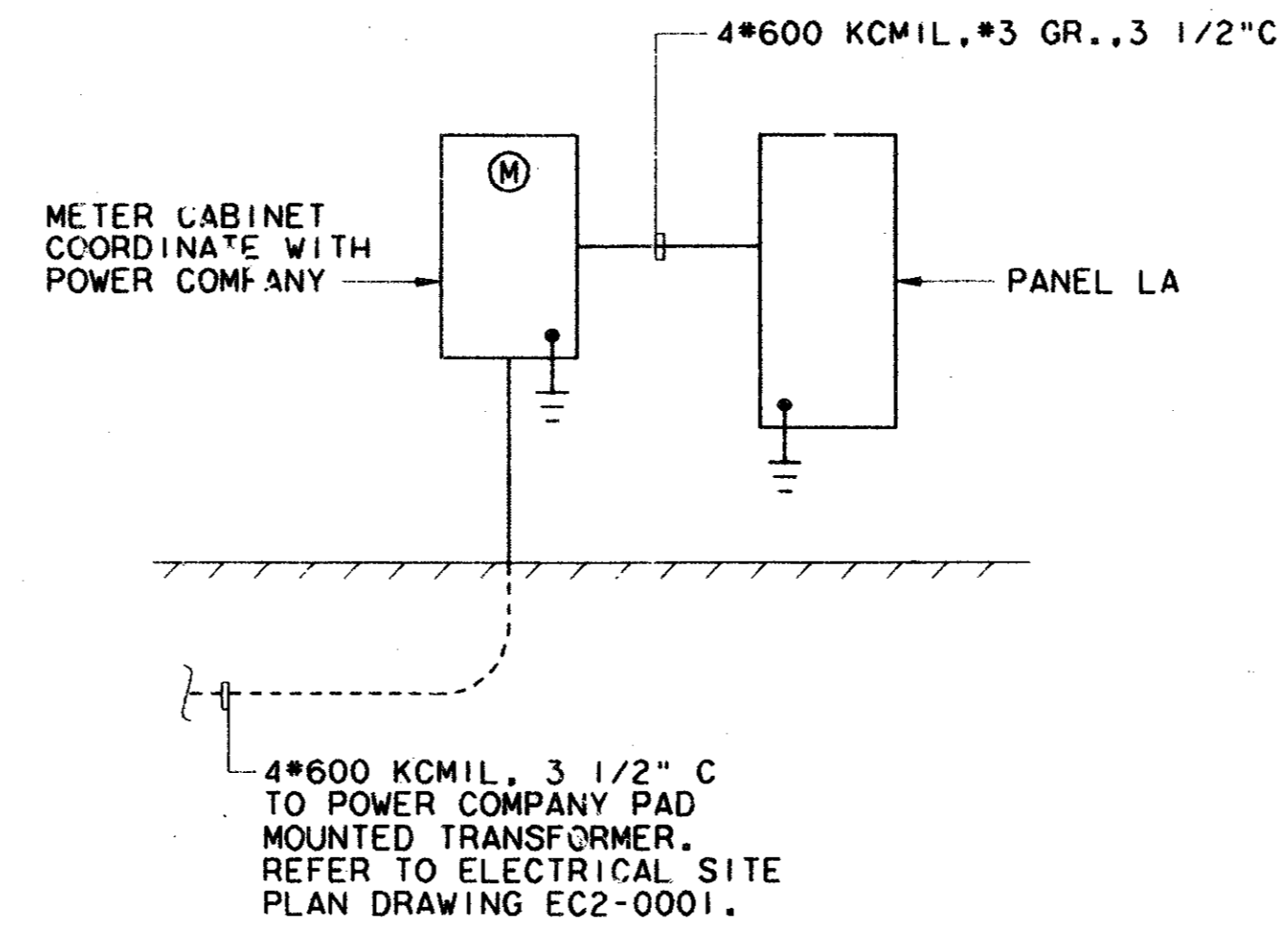
DWG No. EC2-0003

REV 61

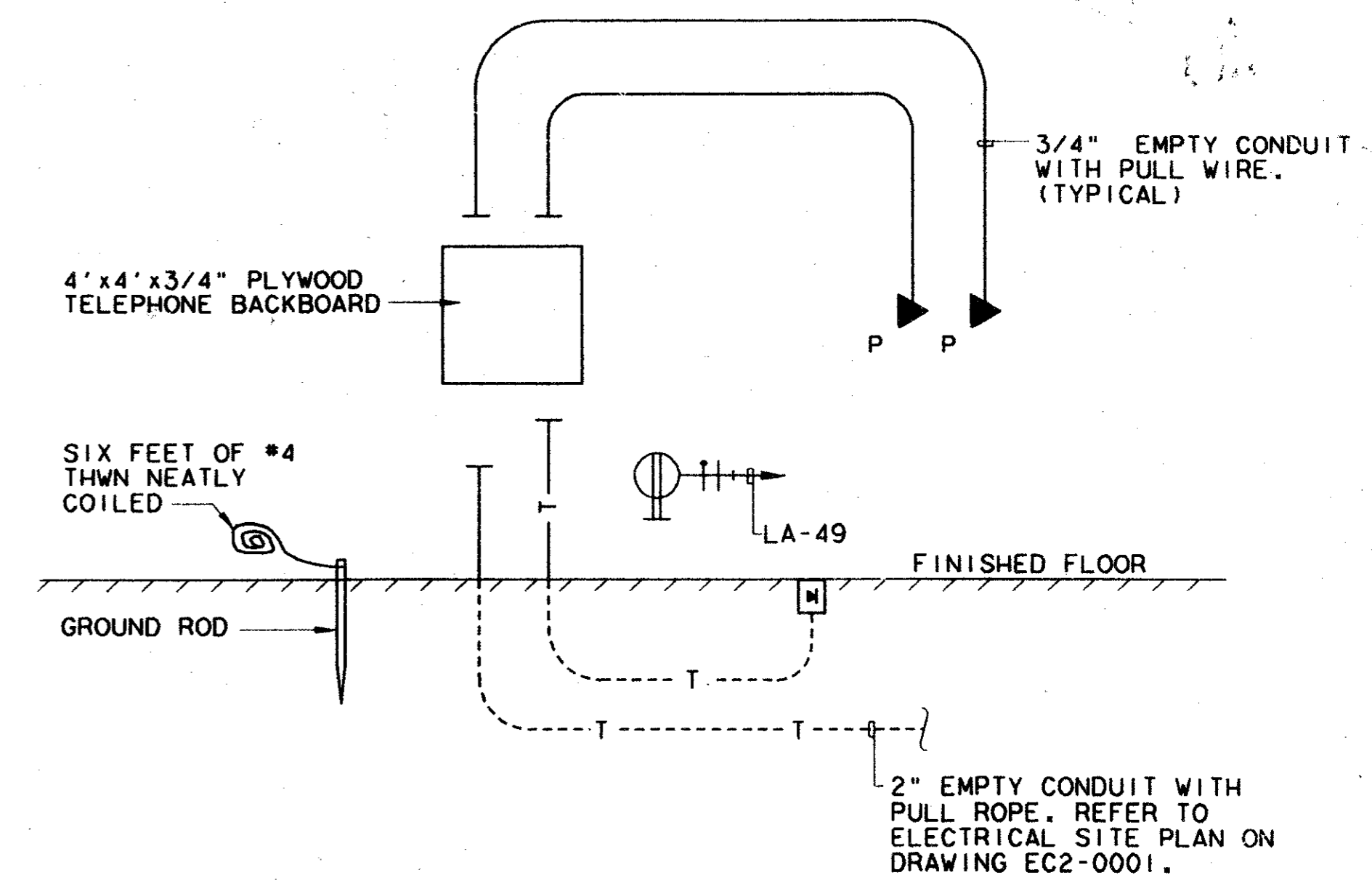
FILED 02.004 BORDER
 FILED 01.008 BORDER
 FILED 02.008 POWER
 FILED 02.004 ARCH
 FILED 02.004 JANITOR

PANEL LA
 120/208 VOLT
 400 AMP MCB
 3 PHASE 4 WIRE SURFACE MOUNTED
 NEMA 1 30,000 AIC

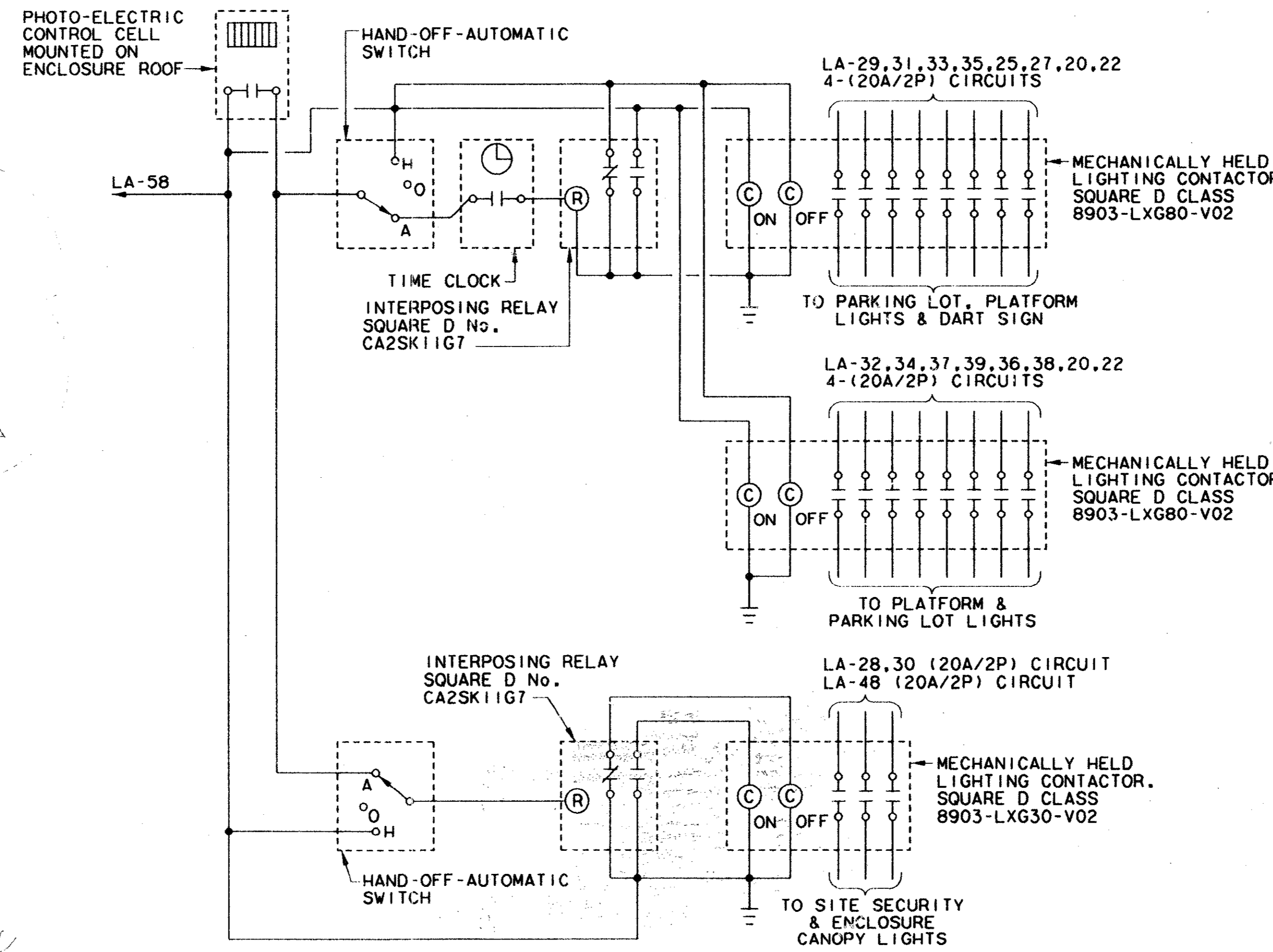
SERVES	W OR VA	BRKR.	NO.	A	B	C	NO.	BRKR.	W OR VA	SERVES
PU-1 (HEATING)	5,814	80	1	●			2	80	5,814	PU-2 (HEATING)
	5,814		3		●		4		5,814	
	5,814		5			●	6		5,814	
PU-3 (HEATING)	5,814	80	7	●			8	40	3,072	PU-1 (COOLING)
	5,814		9		●		10		3,072	
	5,814		11			●	12		3,072	
PU-2 (COOLING)	3,072	40	13	●			14	40	3,072	PU-3 (COOLING)
	3,072		15		●		16		3,072	
	3,072		17			●	18		3,072	
SPACE	—	—	19	●			20	20	1,613	EXTERIOR LIGHTING
	—	—	21		●		22		1,613	
	—	—	23			●	24	20	1,505	
EXTERIOR LIGHTING	1,613	20	25	●			26	20	1,505	
	1,613		27		●		28	20	1,613	
	1,505		29			●	30	20	1,613	
	1,505		31			●	32	20	1,505	
EXTERIOR LIGHTING	1,613	20	33	●			34	20	1,505	
	1,613		35		●		36	20	1,505	
EXTERIOR LIGHTING	1,290	20	37	●			38	20	1,505	
	1,290		39			●	40	20	580	EMERGENCY LIGHTING
SPACE	—	—	41	●			42	—	—	SPACE
LIGHTING	1,050	20	43	●			44	20	1,050	LIGHTING
	1,050		45		●		46	20	1,050	
	600		47			●	48	20	144	EXTERIOR LIGHTING
TELEPHONE BACKBOARD	1,000	20	49	●			50	30	1,800	HAND DRYER
RECEPTACLES	1,080	20	51	●			52	30	1,800	
AUTO. DOOR POWER	400	20	53	●			54	20	200	PLUMB FIXTURE CTRLS
EWB	1,744	20	55	●			56	20	200	EF-1
	1,744		57		●		58	20	100	CONTACTOR CONTROLS
VENDING MACHINE	1,000	20	59	●			60	20	1,000	EWB
	1,000		61			●	62	20	1,000	TELEPHONE EWB
RECEPTACLE	180	20	63	●			64	20	—	SPACE
SPACE			65			●	66			SPACE
			67			●	68			
			69			●	70			
			71			●	72			
			73			●	74			
			75			●	76			
			77			●	78			
			79			●	80			
			81			●	82			
			83			●	84			



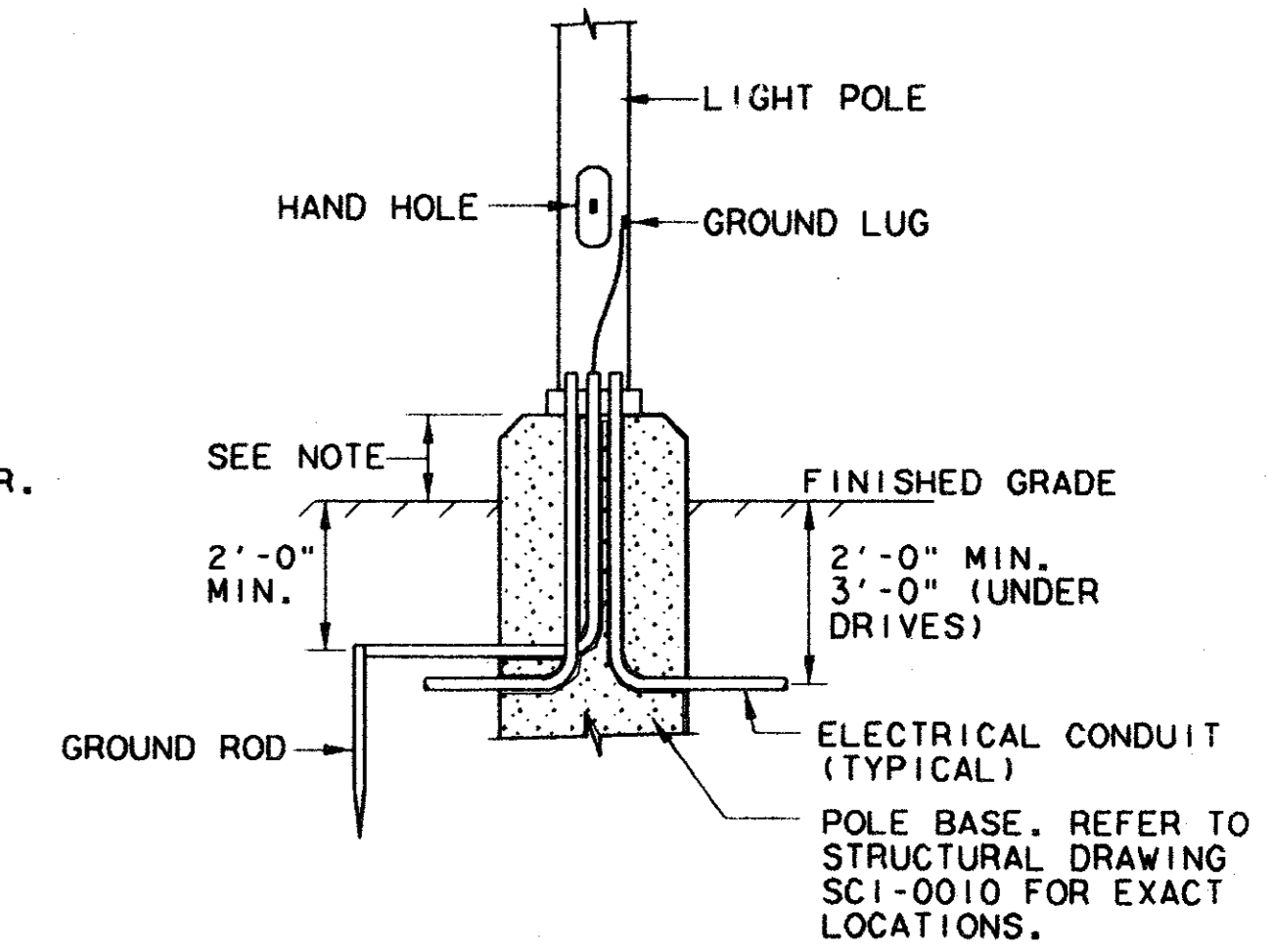
ELECTRICAL RISER DIAGRAM 03
 N.T.S.



TELEPHONE RISER DIAGRAM 04
 N.T.S.



SCHEMATIC CONTACTOR WIRING DIAGRAM 02
 N.T.S.



LIGHT POLE BASE DETAIL 01
 N.T.S.

Record (As-built) Certification
 I, *[Signature]*, certify that the information contained in this record is true and correct as shown on the drawings and specifications.
[Signature]
 T. J. KADER
 7-7-99

CONFORMED

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
△	8/30/99	RECORD AS-BUILT SUBMITTAL	RBM		DLW								
△													
△													
△													
△													
△													

GERARD & ASSOCIATES
 CONSULTING ENGINEERS
 Mechanical Electrical Plumbing
 Systems Design
 409 Centre Dallas, Texas 75208 (214) 946-6404

Walter D. Bernal
 8-14-97

WLA
WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 1023 MARKET CENTER BLVD - SUITE 510
 DALLAS, TEXAS 75207
 (214) 748-7777

DART PROJECT

DART

SCALE	AS SHOWN
DRAWN	P. LLOYD
DESIGNED	V. GERARD
CHECKED	V. GERARD
IN CHARGE	V. STEVENS
DATE	12 AUG 97

CONTRACT SHEET No. 95 OF 95

ADDISON TRANSIT CENTER SCHEDULES, DETAILS & RISER DIAGRAMS

CONTRACT C-97000136 DWG No. EC2-0004 REV. 0

FILE 666
 FILE 777
 FILE 888
 FILE 999
 FILE 1000
 FILE 1001
 FILE 1002
 FILE 1003
 FILE 1004
 FILE 1005
 FILE 1006
 FILE 1007
 FILE 1008
 FILE 1009
 FILE 1010