

ADDISON TRANSIT CENTER

C97000176



Having checked this Specification, we certify that all contract documents require parts of the Plans herein all items to be provided by the Contractor.

Contract Number: C97000176

Contract Title: ADDISON TRANSIT CENTER

Date of Contracting: 3/17/98

Date of Issue: 3/17/98

By: TOM KADER
PRESIDENT

By: Richard Uppitt
AVP FACILITIES ENGINEERING

TOWN OF ADDISON

RECOMMENDED:

John Bergant
DIRECTOR OF PUBLIC WORKS

3-18-98

DATE

WENDY LOPEZ & ASSOCIATES, INC.

PROJECT MANAGER

14 Aug 97
DATE

DALLAS AREA RAPID TRANSIT

RECOMMENDED:

PROJECT MANAGER

3/17/98
DATE

APPROVED:

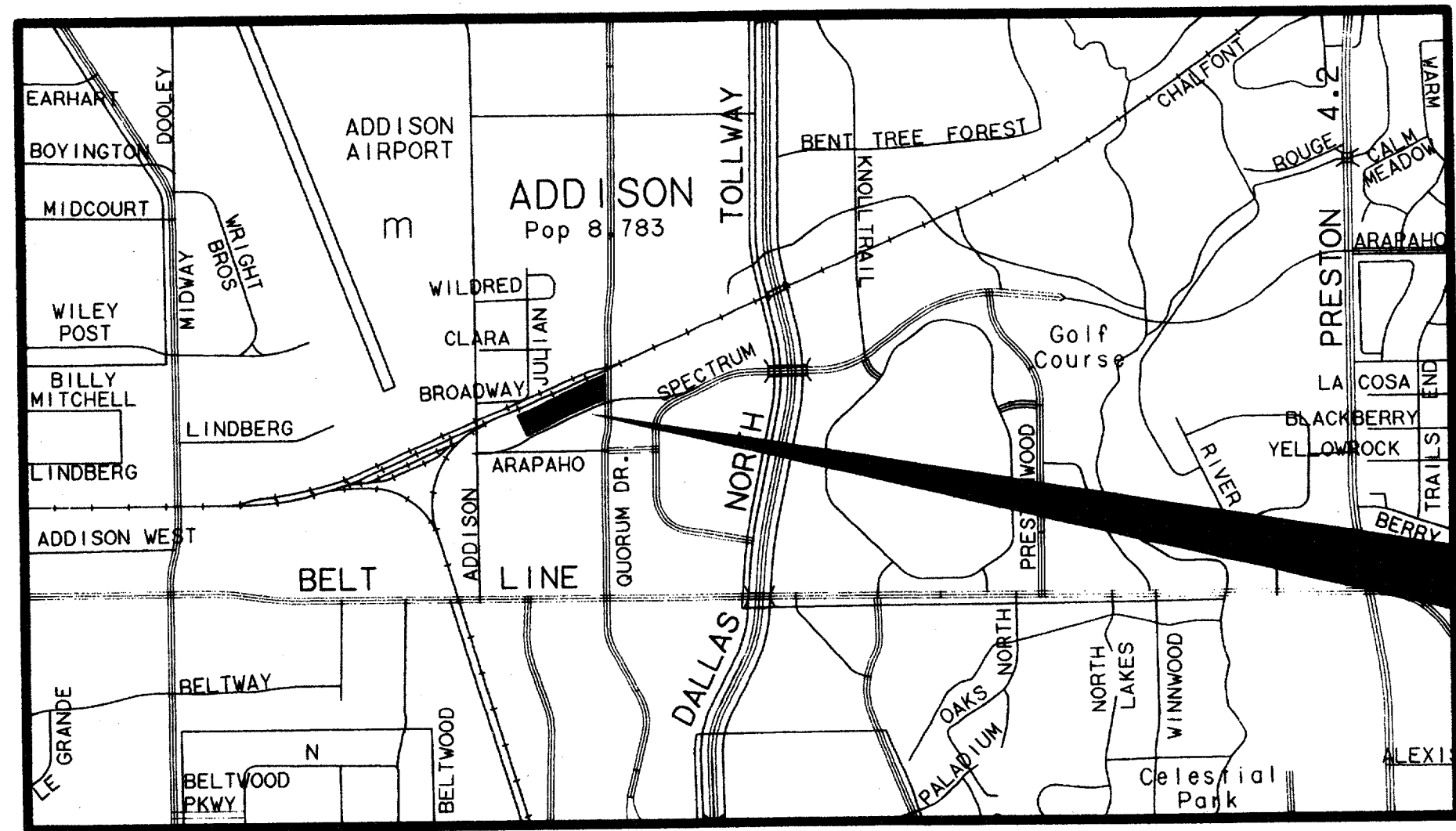
AVP FACILITIES ENGINEERING

3/17/98
DATE

CONFORMED

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13 AUG 97
DART.TBL
JAMES LANDRY

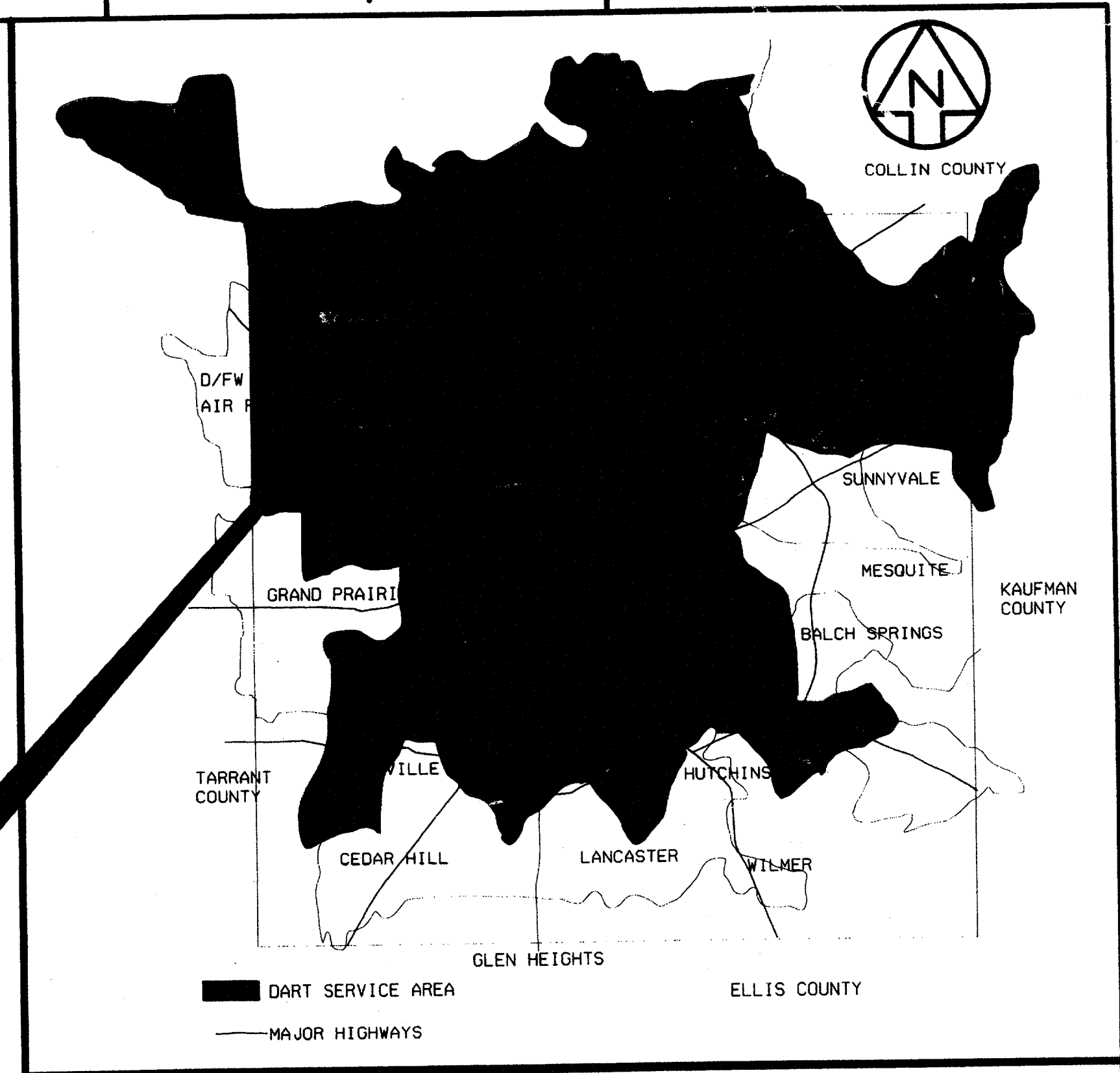
DWG No. GC1-0002



VICINITY MAP
SCALE 1"=3000'



**ADDISON
TRANSIT CENTER
C-97000136**



AREA MAP
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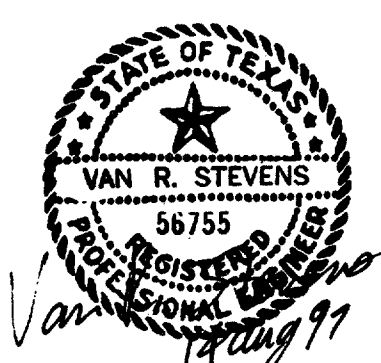
Record (Amended) Certificate
Having observed the plans and specifications for the proposed project, I hereby certify that they conform to the requirements of the applicable laws and regulations of the State of Texas.
Wendy Lopez & Associates, Inc.
7-1997
Tom Kadet
President

CONFORMED

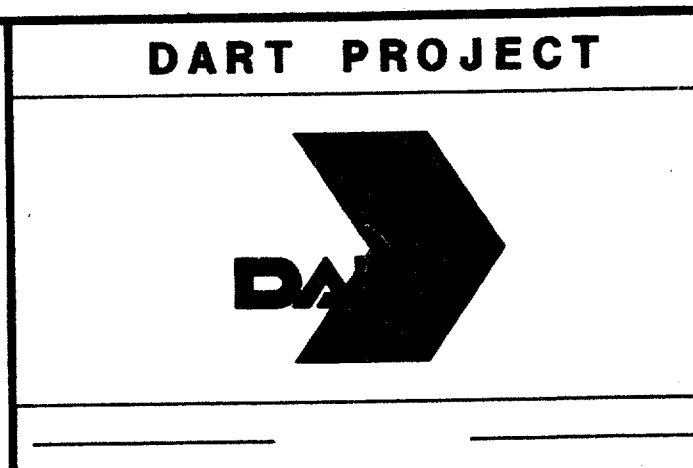
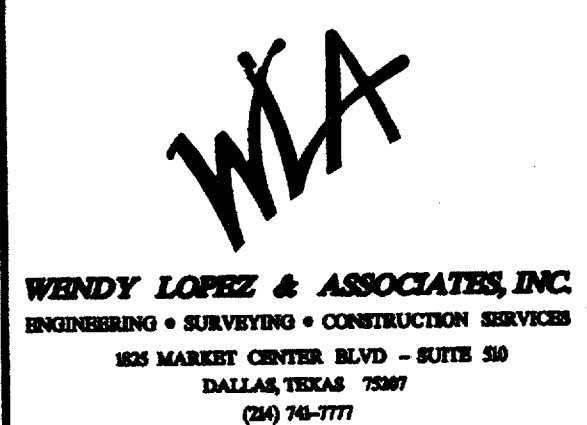
CONTRACT SHEET No. 2 OF 95

**ADDISON
TRANSIT CENTER
TITLE SHEET**

NO.	BY	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



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

CONTRACT C-97000136 DWG No. GC1-0002 REV 2

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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

7-7-99

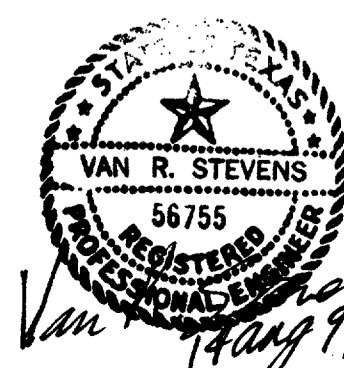
 WENDY LOPEZ
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF TEXAS
 No. 14888
 EXPIRES 08/31/00
 I, WENDY LOPEZ, ENGINEER OF ELECTRICAL CONTRACTING, HEREBY SIGNIFY THAT I AM THE DESIGNER OF THE ABOVE WORK AND I AM NOT PROVIDING ANY PROFESSIONAL SERVICES FOR ANY OTHER PROJECTS AT THE SAME TIME AND PLACE AS THE ABOVE WORK.
 I, JIM KADEL, PRESIDENT, HEREBY SIGNIFY THAT I AM THE OWNER OF THE ABOVE WORK AND I AM NOT PROVIDING ANY PROFESSIONAL SERVICES FOR ANY OTHER PROJECTS AT THE SAME TIME AND PLACE AS THE ABOVE WORK.

CONFORMED

CONTRACT SHEET No. 3 OF 95

**ADDISON
TRANSIT CENTER
INDEX SHEET**

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
 103 MARKET CENTER, SUITE 200 - SUITE 200
 DALLAS, TEXAS 75207
 (214) 742-7777

DART PROJECT



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" DOWELED 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 PAVEMENT (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.

Having checked the information, I hereby certify that the same is true and correct to the best of my knowledge and belief.

Contract Number: 97000136

Contract Name: ADDISON TRANSIT CENTER

Date of this report: 7-7-99

Signature: [Handwritten Signature]

Professional Engineer of Civil Engineering, State of Texas

and shall remain valid until the expiration of the license.

[Handwritten Signature]

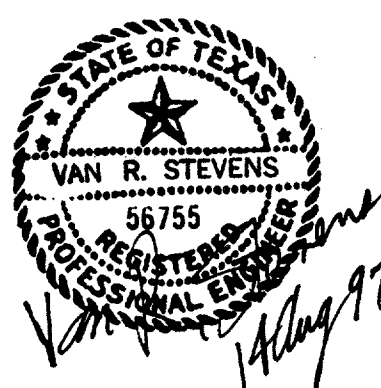
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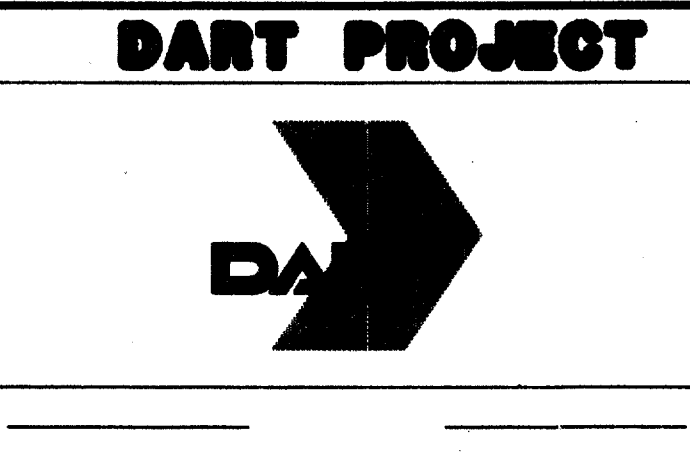
CONTRACT SHEET No. 4 OF 95

ADDISON
TRANSIT CENTER
GENERAL NOTES

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

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

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TRACK ALIGNMENT

HORIZONTAL

BSO BEARING OF TANGENT AT SPO
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 CS2)
LS1 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
PI POINT OF INTERSECTION OF TWO TANGENTS
Pic POINT OF INTERSECTION - CIRCULAR CURVE
PITo POINT OF INTERSECTION OF TURNOUT
Pis 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 PI
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

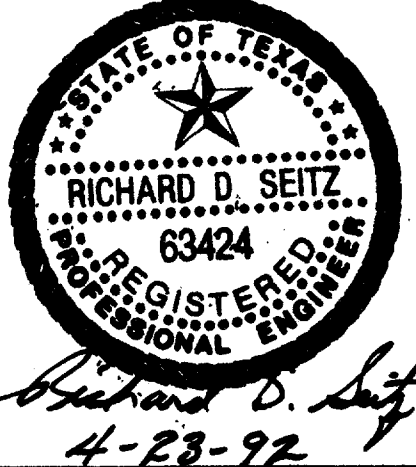
A AMPERE
ABD ABANDONED
A/E ARCHITECT/ENGINEER
A/G AT GRADE
AASHTO AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
ACI AMERICAN CONCRETE INSTITUTE
AGG AGGREGATE
AGG B AGGREGATE BASE
AGG SB AGGREGATE SUB-BASE
AHD AHEAD
AISC AMERICAN INSTITUTE OF STEEL CONST., INC.
AISi AMERICAN IRON AND 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 CENTER
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
Eo 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
EQIV EQUIVALENT
E/S EDGE OF SHOULDER
ESMT EASEMENT
EST ESTIMATE
EI 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
GR GUARD RAIL
GRTG GRATING
GSC GALVANIZED STEEL CONDUIT
GV GAS VALVE
GVL GRAVEL
HGL HYDRAULIC GRADE LINE
HMALC 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
TXM 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

Having created this instrument, we certify that a duplicate in the requirements of the contract is in the possession of the contractor.
Contract Number: 97000136
Contract Name: DART PROJECT
Official Firm Signature: [Signature]
Date: 02/06/92
Official of Firm Name (Typed): JOHN KNOX
Title: REGISTERED PROFESSIONAL ENGINEER

CONFORMED

CONTRACT SHEET No. 5 of 95

Table with columns: REV, DATE, DESCRIPTION, BY, DES, CHK, APP. Includes revision history for TRACK ALIGNMENT and MISCELLANEOUS.



HUITT-ZOLLARS logo and address: 5131 MCKINNEY AVENUE/SUITE 600, DALLAS, TEXAS 75244-3311. Lists associated companies: Sverdrup Corporation, Barton-Aschman Associates, Inc., Arredondo, Brunz & Associates, Inc., LS Transit Systems, Hellmuth Obata & Kassabaum, Inc.

DART PROJECT logo and name.

Table with columns: SCALE, DRAWN, DESIGNED, CHECKED, IN CHARGE, DATE. Values include NO SCALE, DART CADD, E. A. RAINSEK, S. HEBB, D.P. KELLY, 06 FEB 92.

CIVIL STANDARD ABBREVIATIONS table and contract information: CONTRACT C-97000136, DWG No. CSI-0007, REV 0.

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13 AUG 97
DART.TBL
JAMES LANDRY

9000-100 ON 9AD

SYMBOLS

MISCELLANEOUS

TRAFFIC CONTROL SYMBOLS

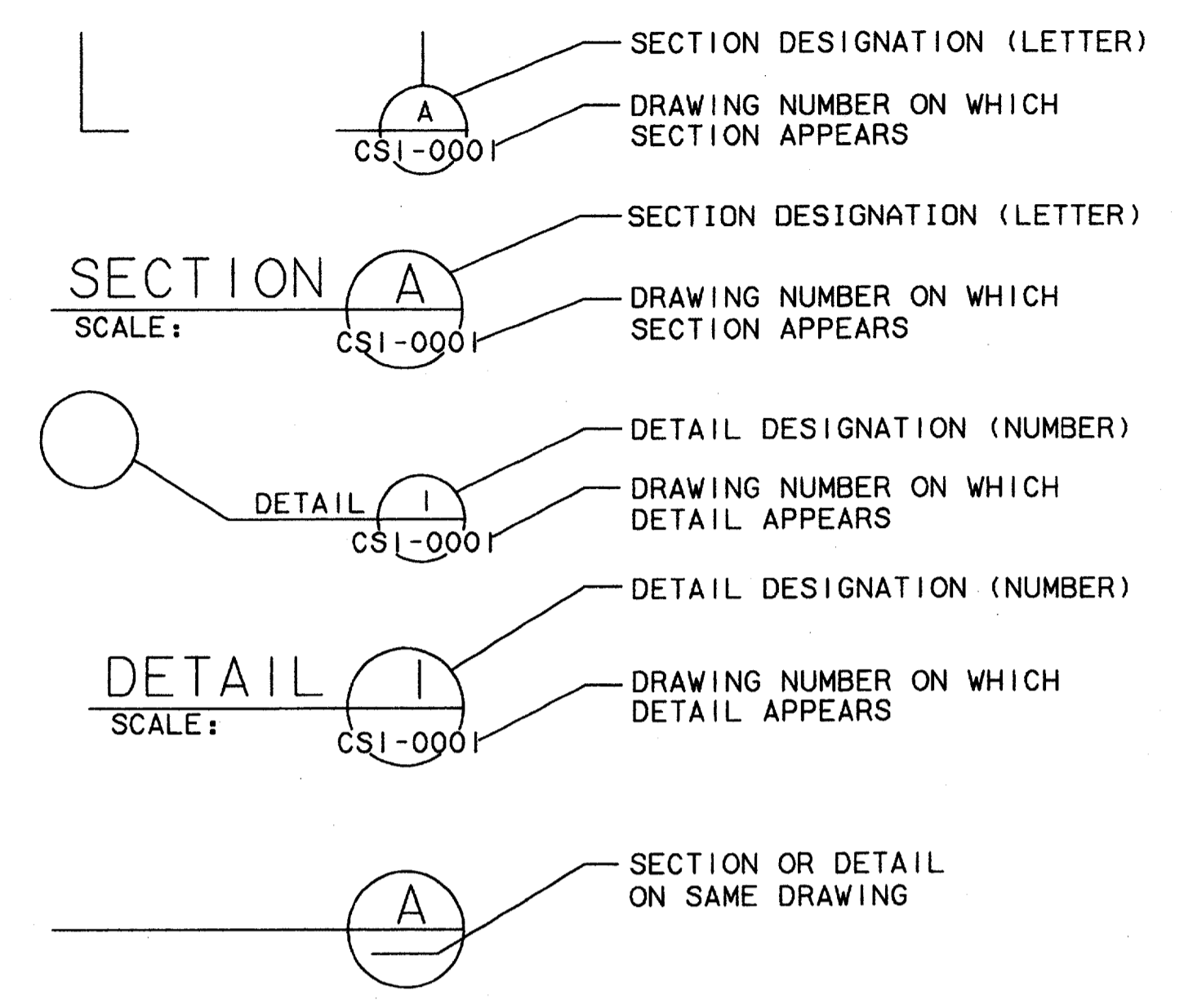
SECTIONS AND DETAILS

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	

963.1
963.1
SC B926+34.75
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	

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	



RIGHT-OF-WAY SYMBOLS

ALIGNMENT AND TRACK 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)	

	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

Professional Engineer Seal
Tom Kader
Professional Engineer
No. 140076
State of Texas
Exp. 08/14/99

7-7-99

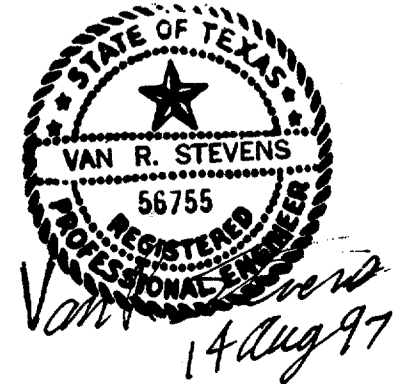
CONFORMED

CONTRACT SHEET No. 6 OF 95

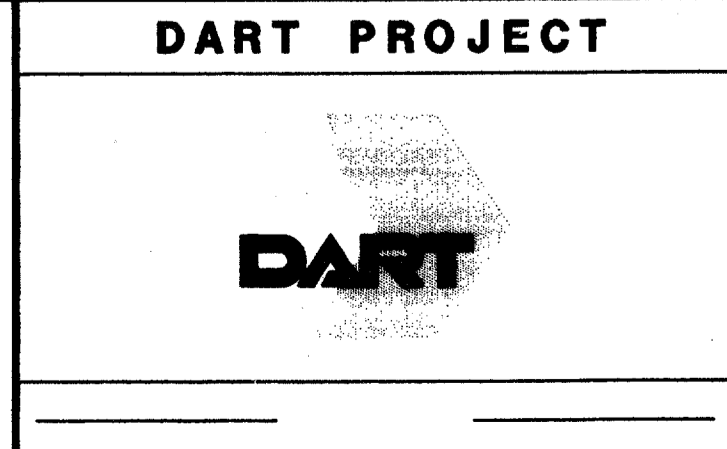
CIVIL STANDARD

SYMBOLS

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

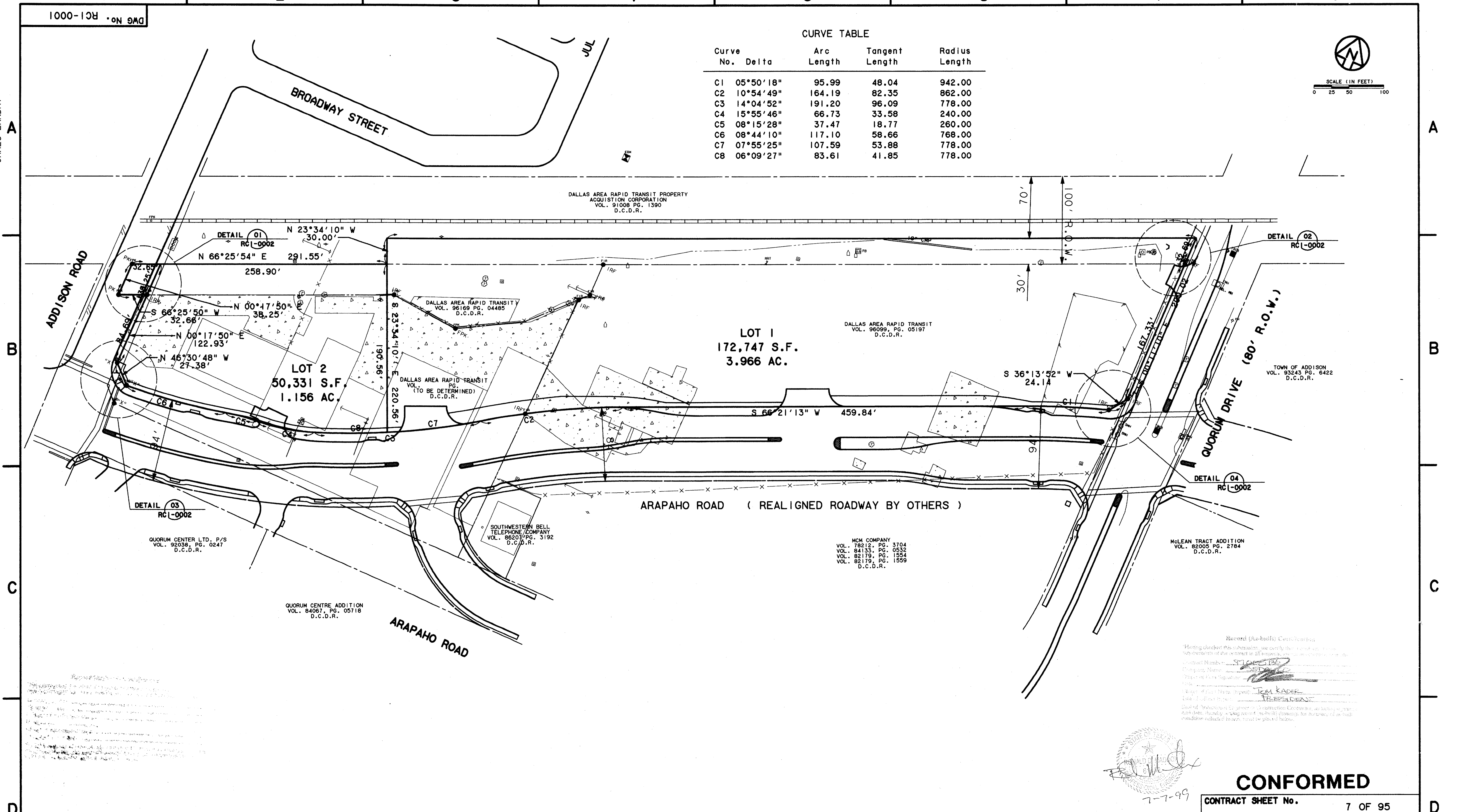
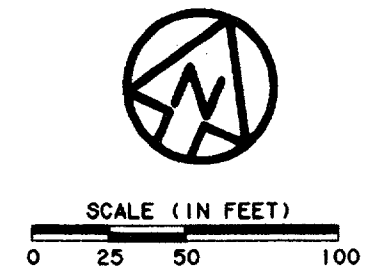
CONTRACT C-97000136 DWG No. GC1-0005 REV 0

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13 AUG 97
DART.TBL
JAMES LANDRY

1000-10H ON DWG

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



Revised Survey Data
The survey was conducted in accordance with the Texas Surveying Act and the rules of the State Board of Surveying. The survey was performed by Wendy Lopez & Associates, Inc. and the results are shown on this plan. The survey was completed on August 13, 1997.

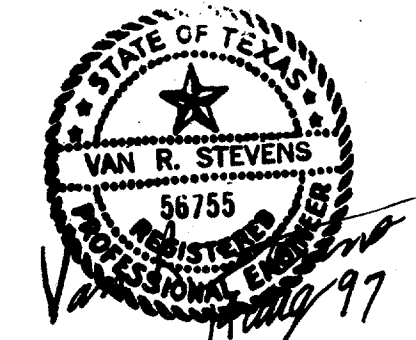
Record (As-built) Certificate
Having checked this plan and the field notes thereon, we certify that the same are a true and correct copy of the original as shown to us by the engineer or surveyor who prepared the same. We have compared the same with the original and find them to be correct. We have also compared the same with the original and find them to be correct. We have also compared the same with the original and find them to be correct.

[Signature]
7-7-99

CONFORMED

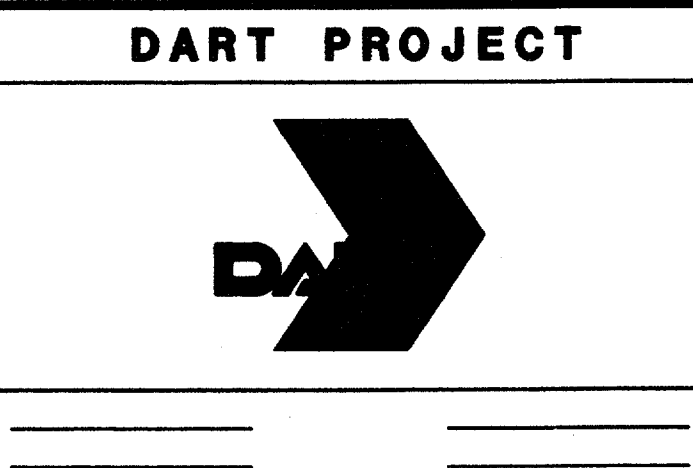
CONTRACT SHEET No. 7 OF 95

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



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

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



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

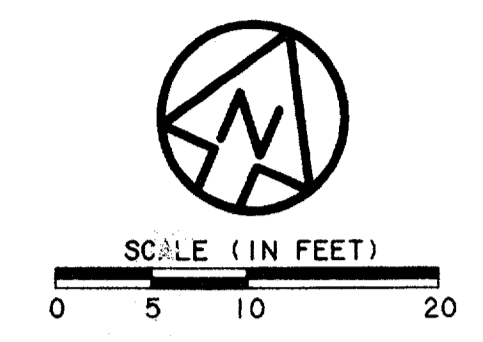
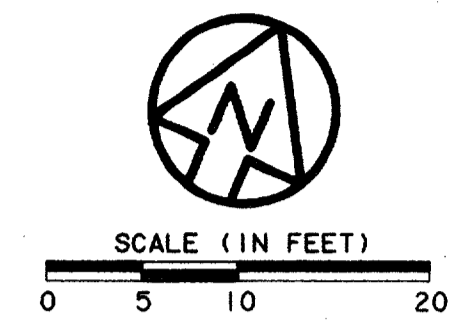
CONTRACT C-97000136 DWG No. RC1-0001 REV 0

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 25 AUG 97
 DART.TBL
 \$(USER)

DWG No. RC1-0002

EXISTING RAIL LINE

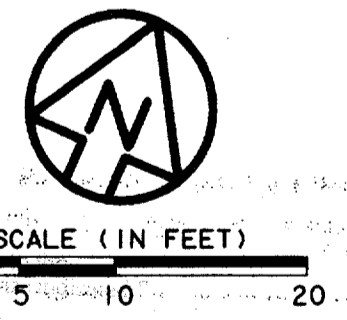
EXISTING RAIL LINE



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

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

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



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

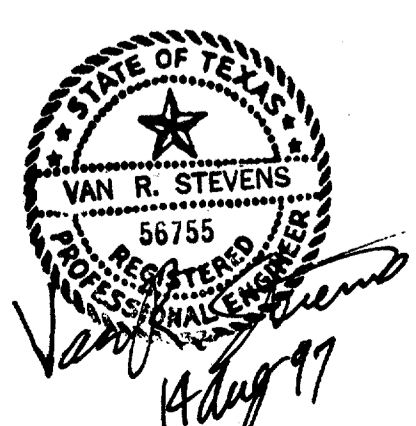
03 DETAIL
 RC1-0001 SCALE: 1" = 10'

CONFORMED

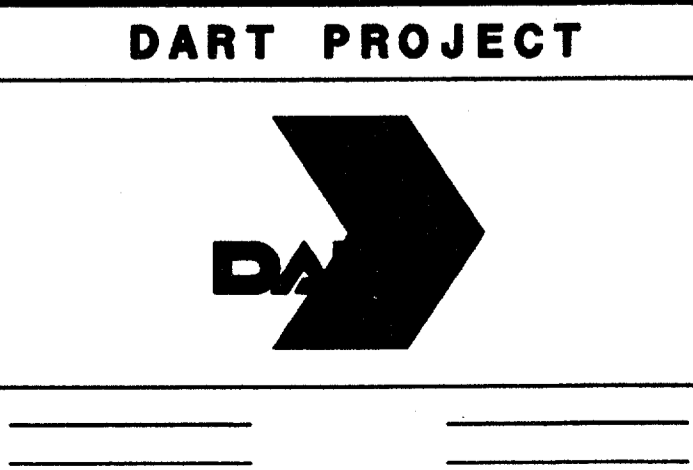
CONTRACT SHEET No. 8 OF 95

**ADDISON
 TRANSIT CENTER
 SURVEY MONUMENT
 CONTROL**

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



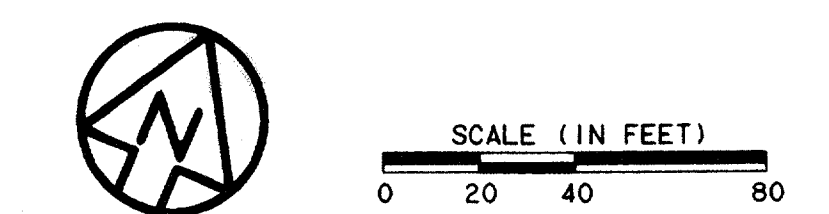
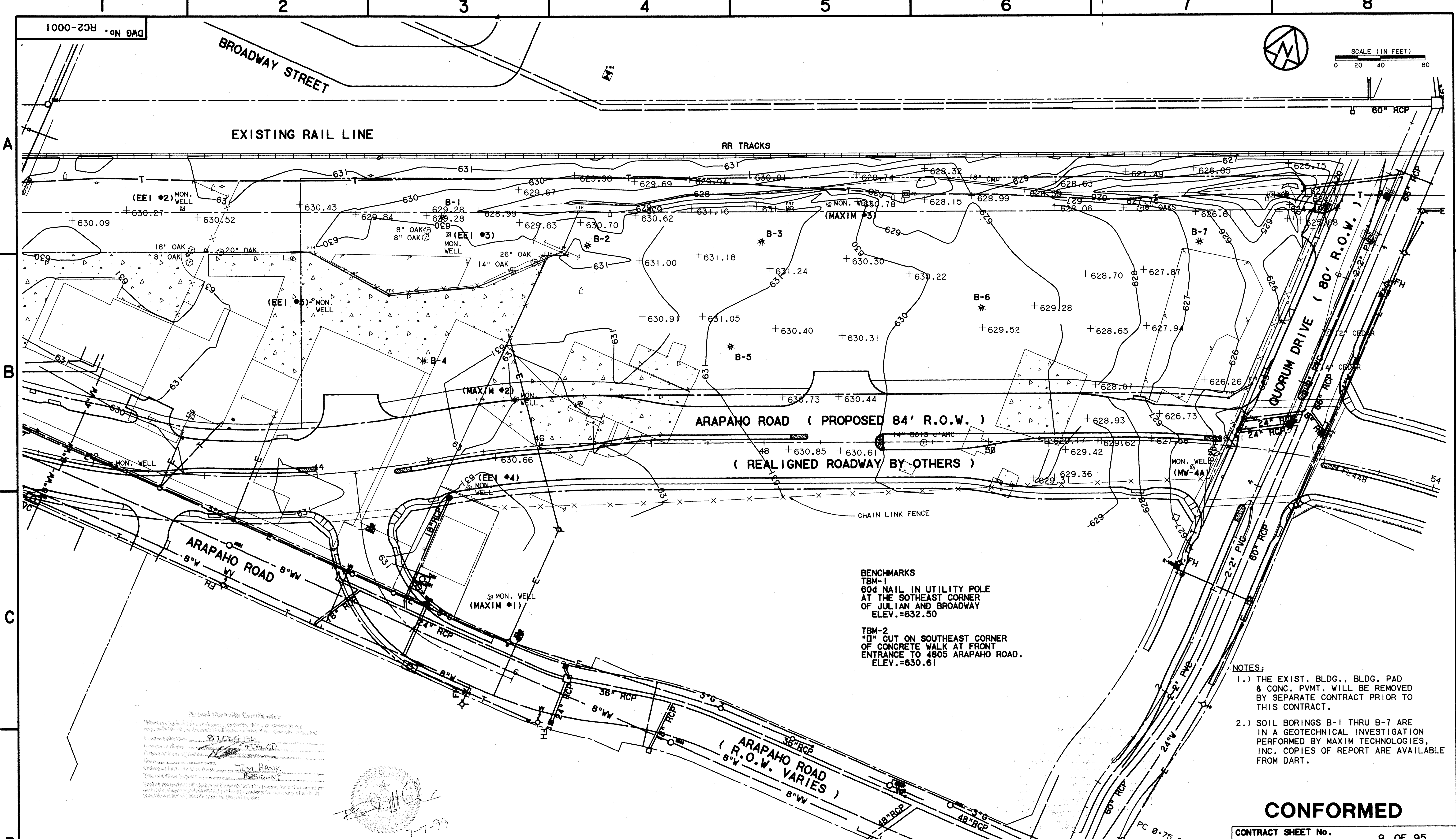
WENDY LOPEZ & ASSOC.
 LOCKWOOD, ANDREWS & NEWNAM
 THE SWA GROUP
 GERARD & ASSOCIATES
 ZAXON



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

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 13 AUG 97
 DART.TBL
 JAMES LANDRY

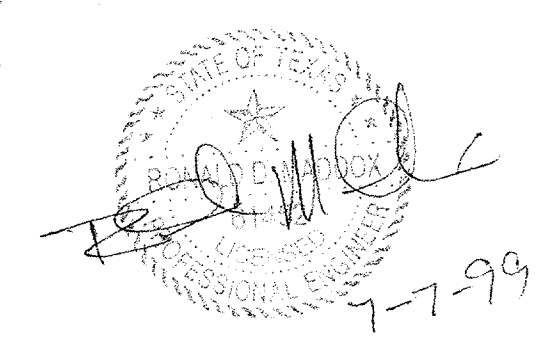


BENCHMARKS
 TBM-1
 60d NAIL IN UTILITY POLE
 AT THE SOUTHEAST CORNER
 OF JULIAN AND BROADWAY
 ELEV.=632.50

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

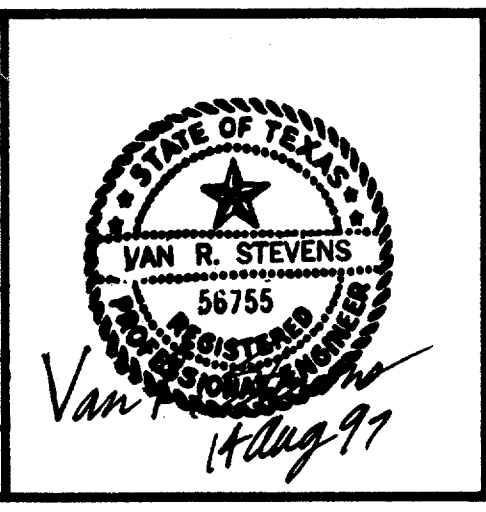
- NOTES:**
- 1.) THE EXIST. BLDG., BLDG. PAD & CONC. PVMT. WILL BE REMOVED BY SEPARATE CONTRACT PRIOR TO THIS CONTRACT.
 - 2.) SOIL BORINGS B-1 THRU B-7 ARE IN A GEOTECHNICAL INVESTIGATION PERFORMED BY MAXIM TECHNOLOGIES, INC. COPIES OF REPORT ARE AVAILABLE FROM DART.

Surveyed & Plotted
 07/25/97
 JAMES LANDRY
 PRESIDENT



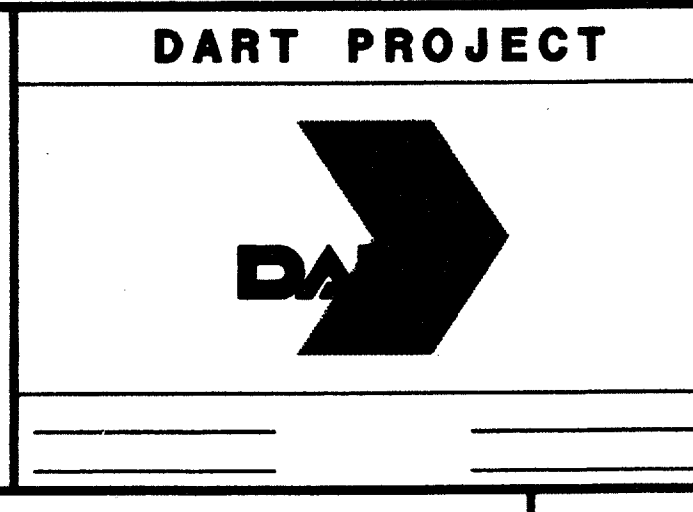
CONFORMED
 CONTRACT SHEET No. 9 OF 95

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
 205 MARKET CENTER BLVD - SUITE 200
 DALLAS, TEXAS 75201
 (214) 748-7777

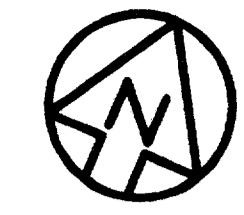


SCALE 1"=40'
 DRAWN D. KRUCIAK
 DESIGNED P. ZHAO
 CHECKED V. STEVENS
 IN CHARGE V. STEVENS
 DATE 14 AUG. 1997

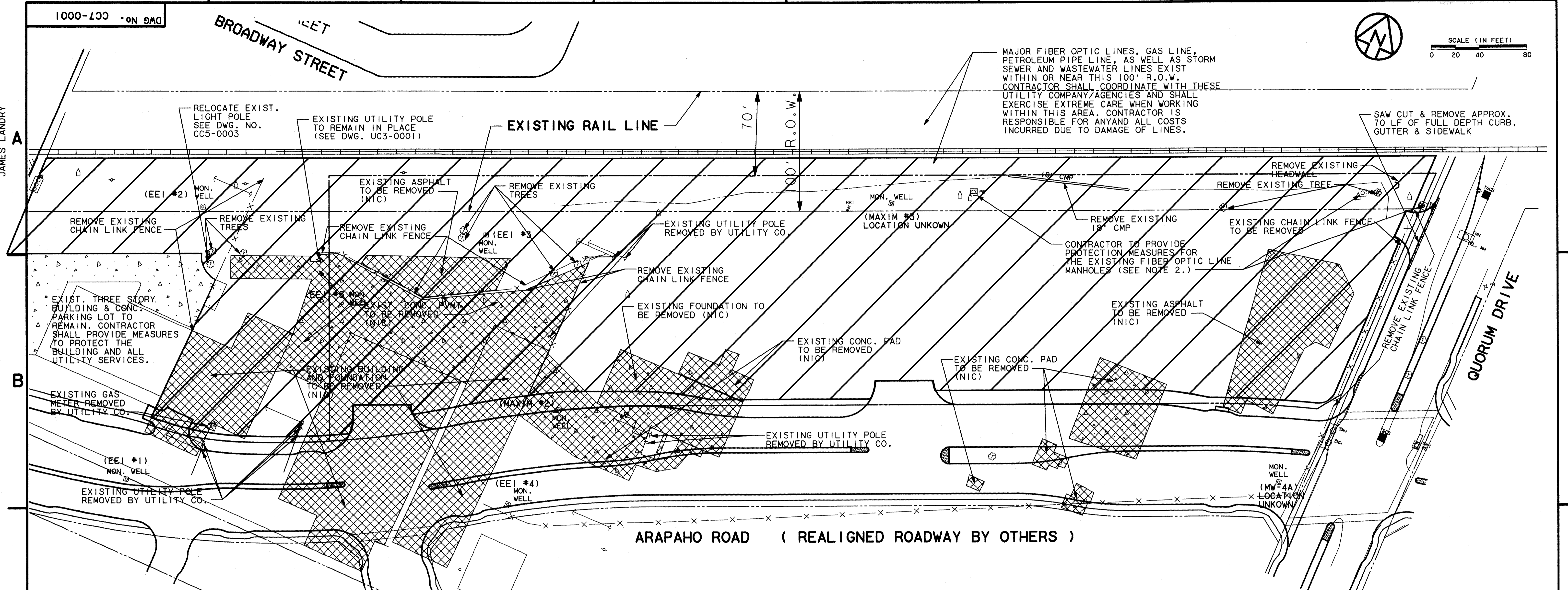
ADDISON TRANSIT CENTER EXISTING TOPOGRAPHIC PLAN
 CONTRACT C-97000136
 DWG No. RC2-0001
 REV 0

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

1000-133 DWG No. CC7-0001



SCALE (IN FEET)
0 20 40 80



ARAPAHO ROAD (REALIGNED ROADWAY BY OTHERS)

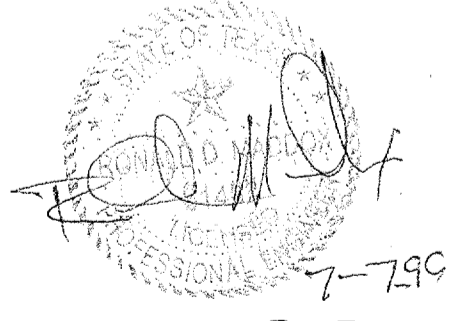
NOTES:

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)

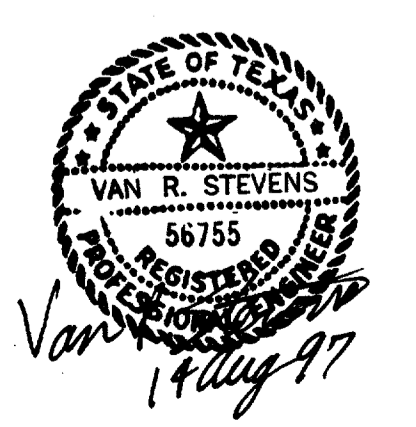
Having checked this submission, we certify that it conforms to the requirements of the contract in all respects, except as otherwise noted.
Contract Number: 97000133
Company Name: DART
Title: Director of Design
Name: Tom Knorr
Date: 7-19-97



CONFORMED

CONTRACT SHEET No. 10 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



DART PROJECT

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

ADDISON TRANSIT CENTER DEMOLITION PLAN

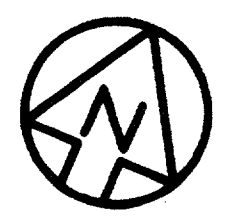
CONTRACT C-97000136 DWG No. CC7-0001 REV 0

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 02 MAR 98
 DART-TBL
 \$(USER)

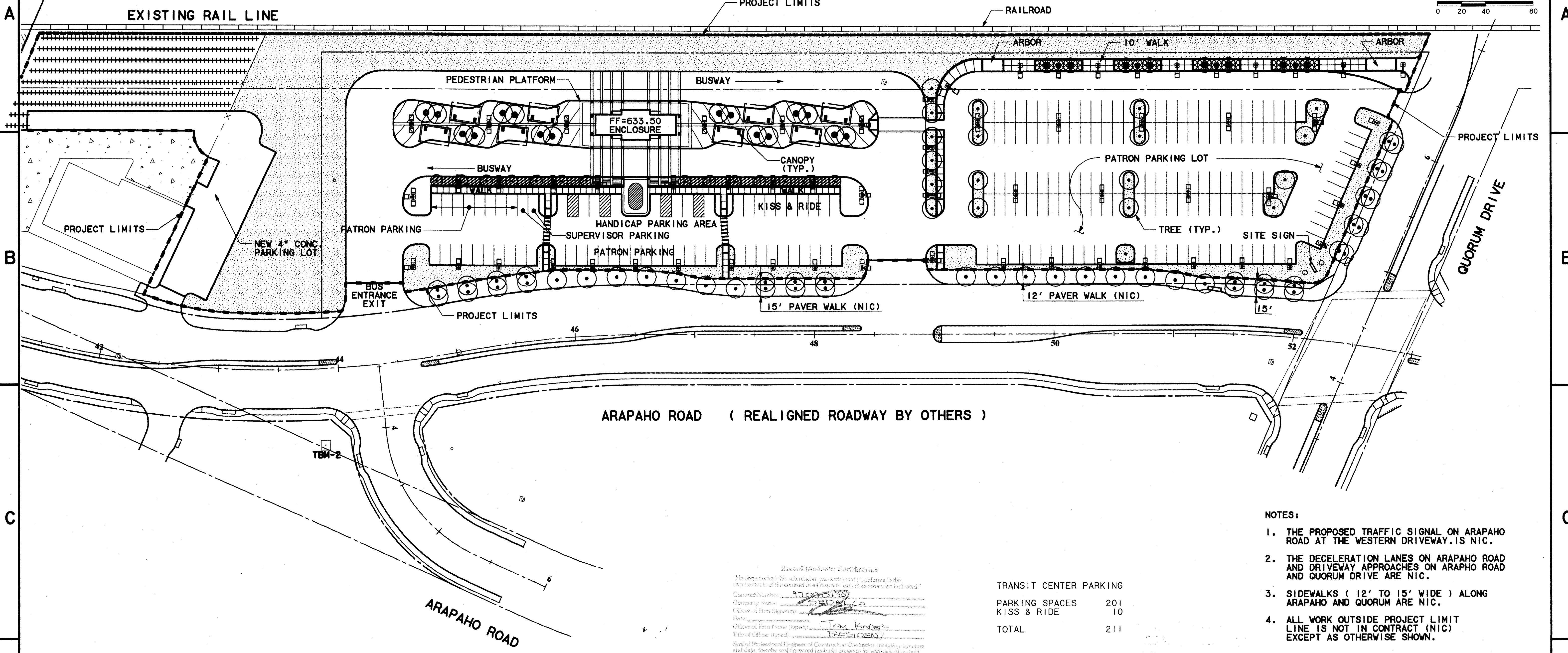
1000-900 DWG No. 9AD

BROADWAY STREET

TBM-1



SCALE (IN FEET)
 0 20 40 80

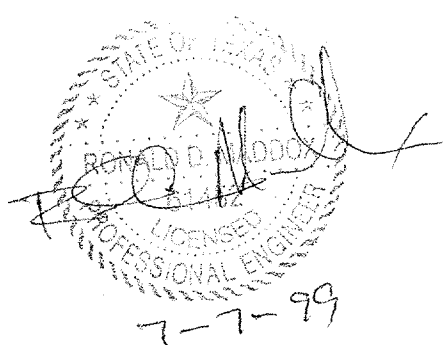


- NOTES:
1. THE PROPOSED TRAFFIC SIGNAL ON ARAPAHO ROAD AT THE WESTERN DRIVEWAY IS NIC.
 2. THE DECELERATION LANES ON ARAPAHO ROAD AND DRIVEWAY APPROACHES ON ARAPAHO ROAD AND QUORUM DRIVE ARE NIC.
 3. SIDEWALKS (12' TO 15' WIDE) ALONG ARAPAHO AND QUORUM ARE NIC.
 4. ALL WORK OUTSIDE PROJECT LIMIT LINE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

TRANSIT CENTER PARKING

PARKING SPACES	201
KISS & RIDE	10
TOTAL	211

Based (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: WENDY LOPEZ & ASSOCIATES, INC.
 City and State: DALLAS, TEXAS
 Title of Client (Project): ADDISON TRANSIT CENTER
 Name of Firm (Professional): WENDY LOPEZ & ASSOCIATES, INC.
 Title of Engineer (Professional): WENDY LOPEZ, P.E.
 Date of Professional Engineer of Construction Certificate, including signature and date, showing working record (as-built) drawings for accuracy of as-built conditions indicated herein, must be placed before.

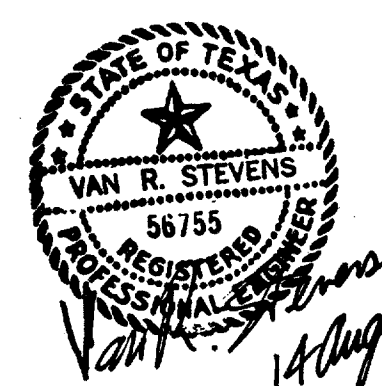


CONFORMED

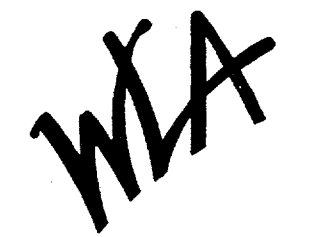
CONTRACT SHEET No. 11 OF 95

ADDISON
 TRANSIT CENTER
 SITE PLAN

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
△							△						
△							△						
△							△						
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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 200
 DALLAS, TEXAS 75207
 (214) 748-7777

DART PROJECT



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



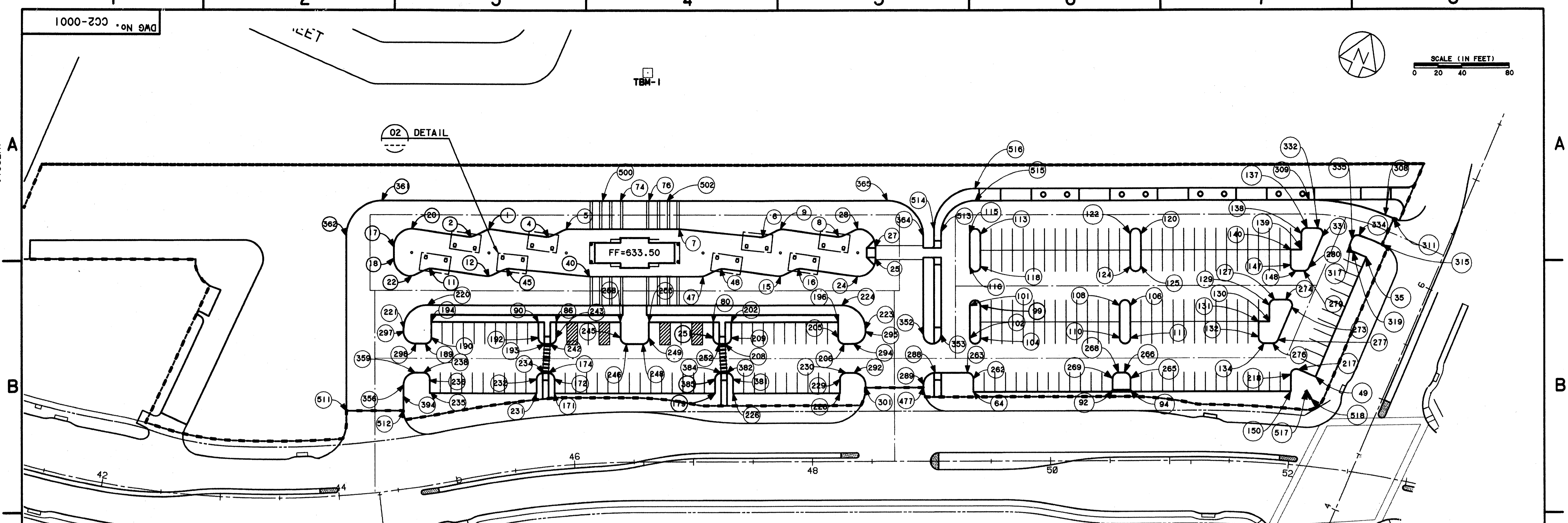
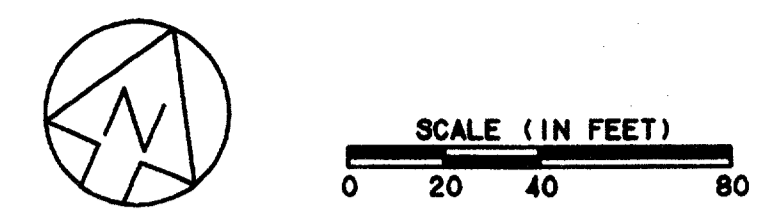
CONTRACT C-97000136

DWG No. CC5-0001

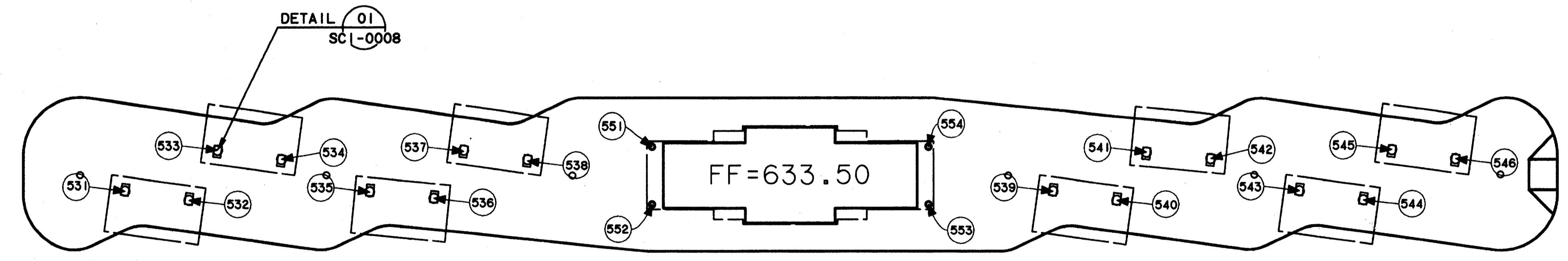
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 14 AUG 97
 DART.TBL
 \$(USER)

1000-200 • ON DAD



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



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

Received (As-Built) Control Points
 Having checked the submittal, we certify that the control points shown on this plan meet the requirements of the contract in all respects.
 Contract Number: 24050126
 Drawing Name: 7/27/97
 Engineer of Firm Signature: [Signature]
 Title: [Title]
 Office of Firm Name (Print): JCM KADER
 Title of Engineer (Print): [Title]
 Survey of Work and/or Review of Construction Contract: [Text]
 and data, that is, existing and/or existing drawings for reference and/or existing in separate files, under the project below.

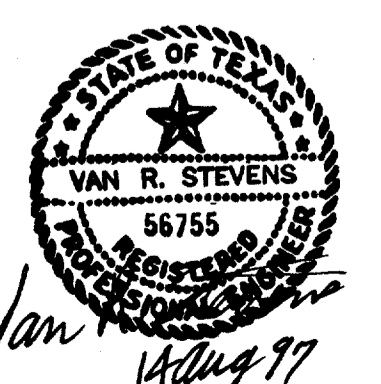
CONFORMED

- 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

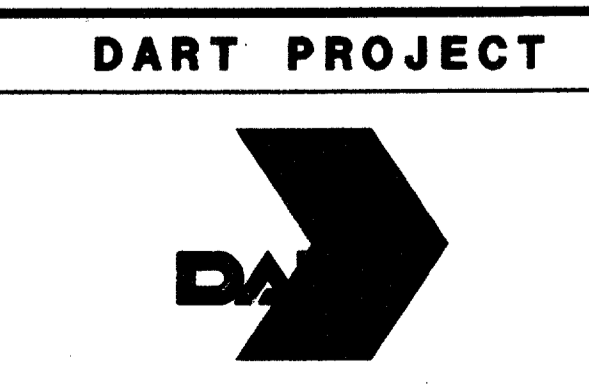
ADDISON TRANSIT CENTER
 HORIZONTAL CONTROL PLAN

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



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 105 MARKET CENTER BLVD. - SUITE 200
 DALLAS, TEXAS 75207
 (214) 741-7777

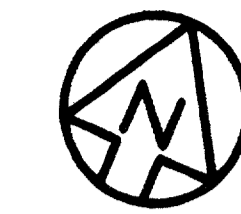


SCALE 1"=40'
 DRAWN D. KRUCIAK
 DESIGNED P. ZHAO
 CHECKED V. STEVENS
 IN CHARGE V. STEVENS
 DATE 14 AUG. 1997

CONTRACT C-97000136 DWG No. CC2-0001 REV 0

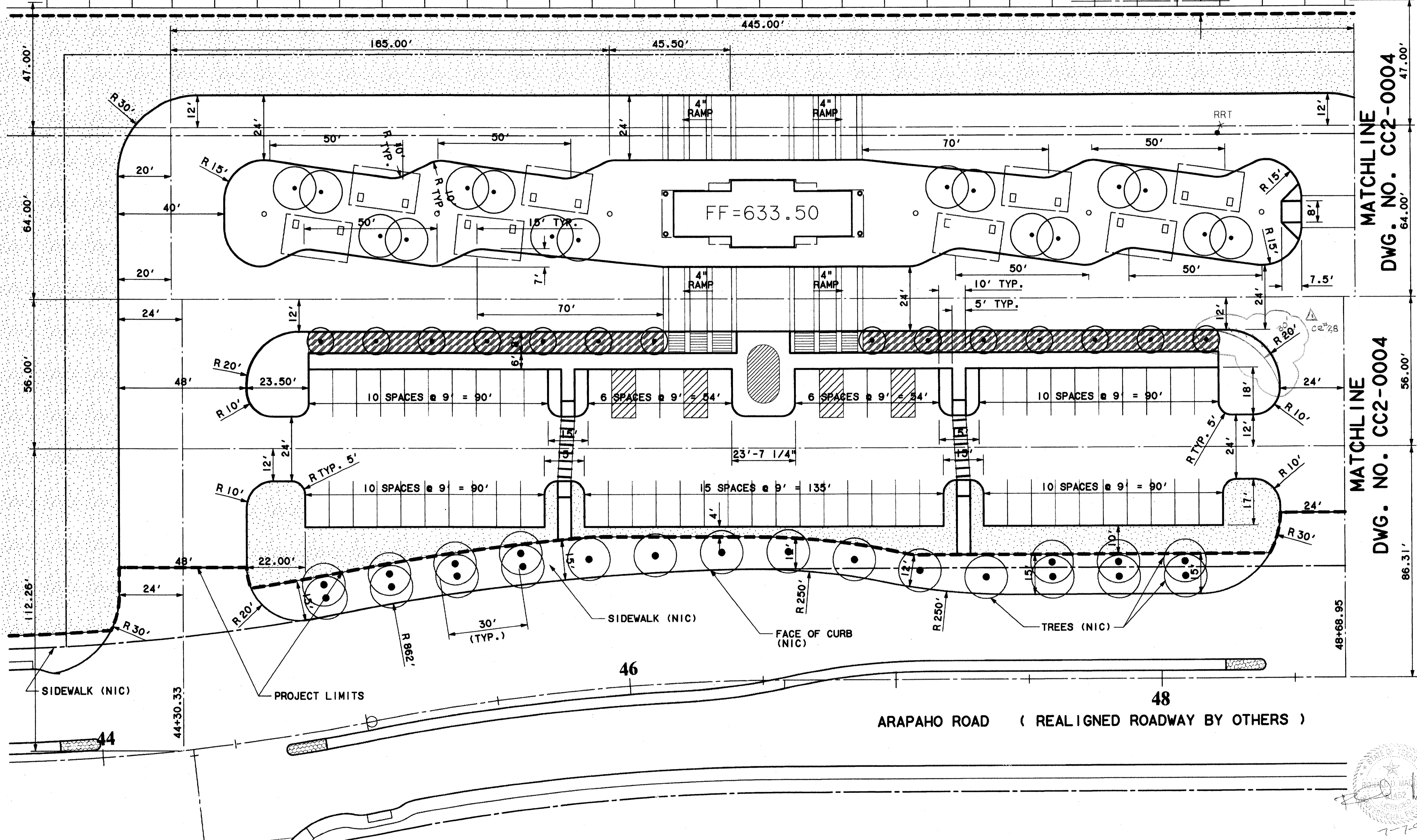
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0000-200 ON 9AD



SCALE (IN FEET)
 0 10 20 40

EXISTING RAIL LINE



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.

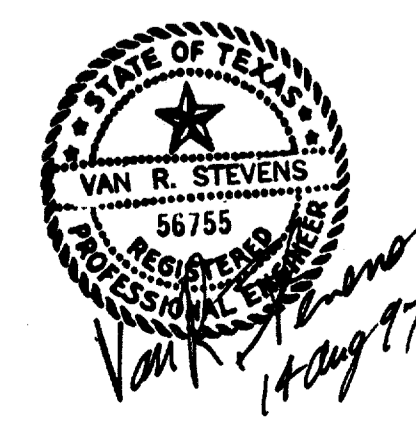
(Faint text and signatures, likely a contractor's certification or seal.)

CONFORMED

CONTRACT SHEET No. 14 OF 95

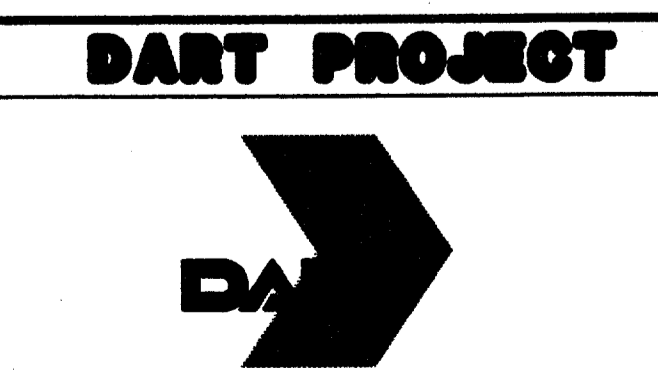
**ADDISON
 TRANSIT CENTER
 PAVING DIMENSIONS**

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



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

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 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 305 MARKET CENTER BLVD - SUITE 300
 DALLAS, TEXAS 75207
 (214) 748-7777

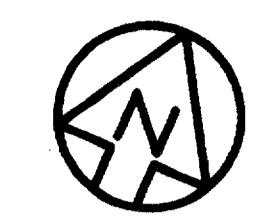


SCALE 1"=20'
 DRAWN D. KRUCIAK
 DESIGNED P. ZHAO
 CHECKED V. STEVENS
 IN CHARGE V. STEVENS
 DATE AUG. 14, 1997

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

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 02 MAR 98
 DART.TBL
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DWG No. CC2-0004



SCALE (IN FEET)
 0 20 40 80

EXISTING RAIL LINE

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

DETAIL 02
 CC6-0002

PROJECT LIMITS

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.

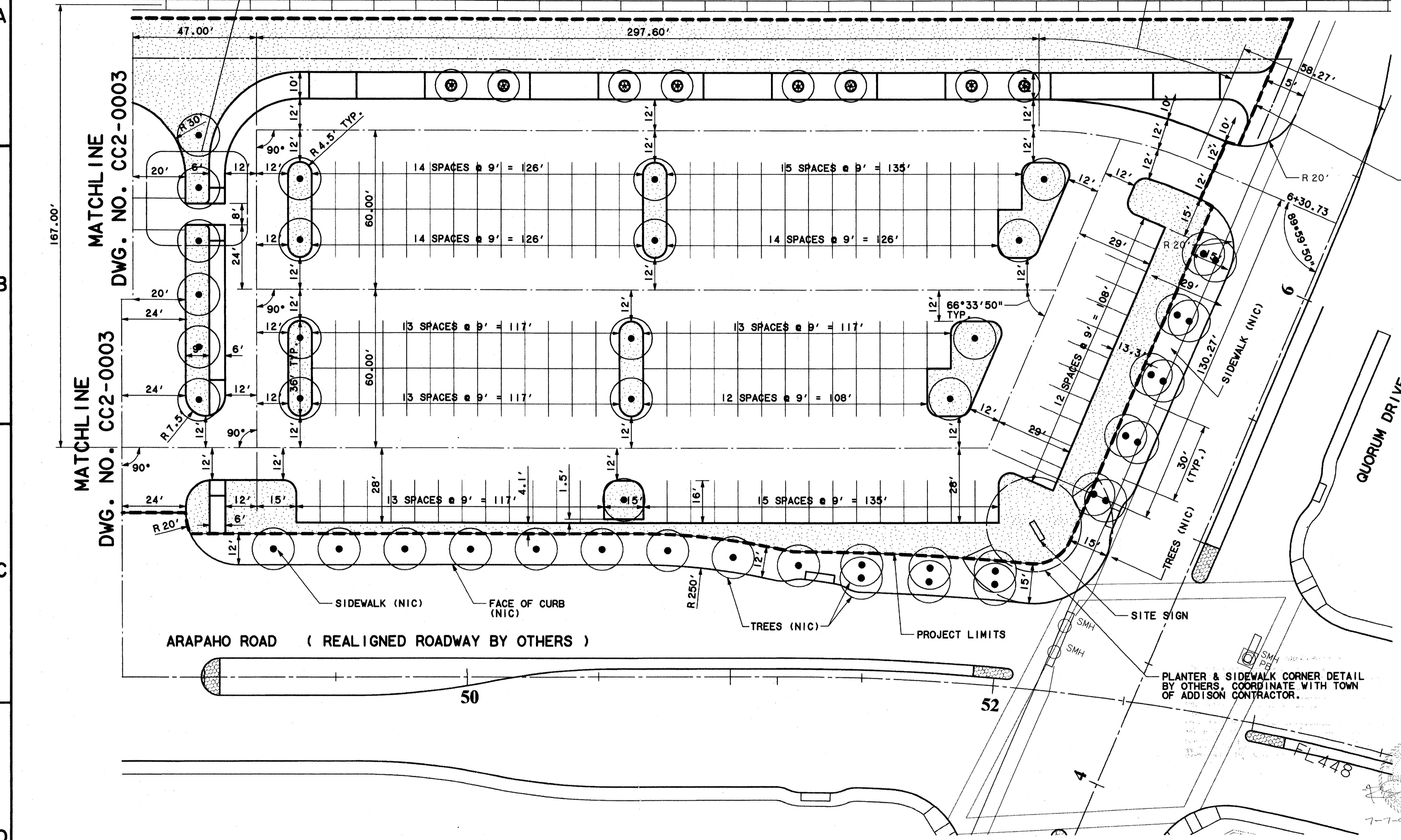
Record (As-built) Certification
 I, having checked this submission, hereby certify that it conforms to the requirements of the contract in all respects, except as otherwise indicated.
 Contract Number: 97000136
 Contract Name: ADDISON TRANSIT CENTER
 Date of Review: 7-1-99
 Name of Reviewer: TOM KADAR, PRESIDENT
 Date of Professional Engineer or Construction Contractor, including signature and title, must be placed below.

CONFORMED

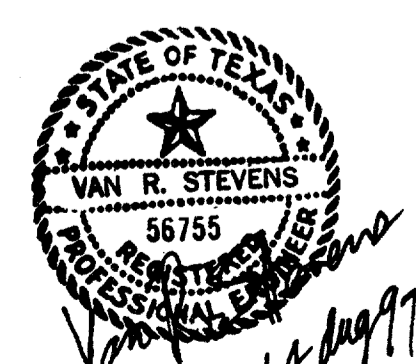
CONTRACT SHEET No. 15 OF 95

**ADDISON
 TRANSIT CENTER
 PAVING DIMENSIONS**

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

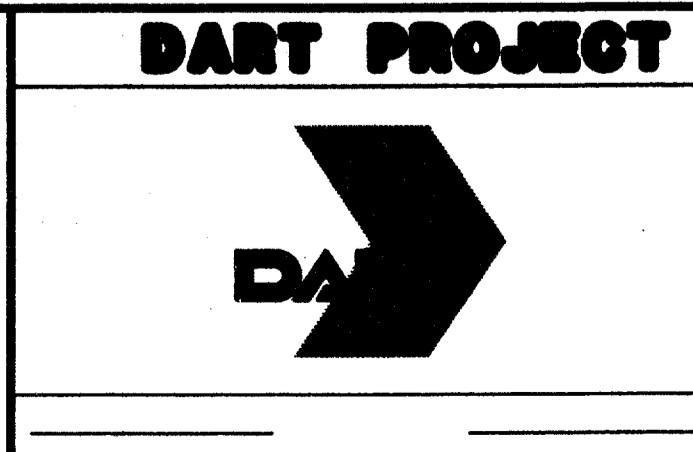


REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
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 LOCKWOOD, ANDREWS & NEWMAN
 THE SWA GROUP
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 ZAXON

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 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 803 MARKET CENTER BLVD - SUITE 200
 DALLAS, TEXAS 75201
 (214) 748-7777

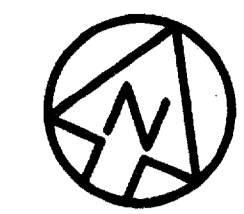


SCALE 1"=20'
 DRAWN D. KRUCIAK
 DESIGNED P. ZHAO
 CHECKED V. STEVENS
 IN CHARGE V. STEVENS
 DATE AUG. 14, 1997

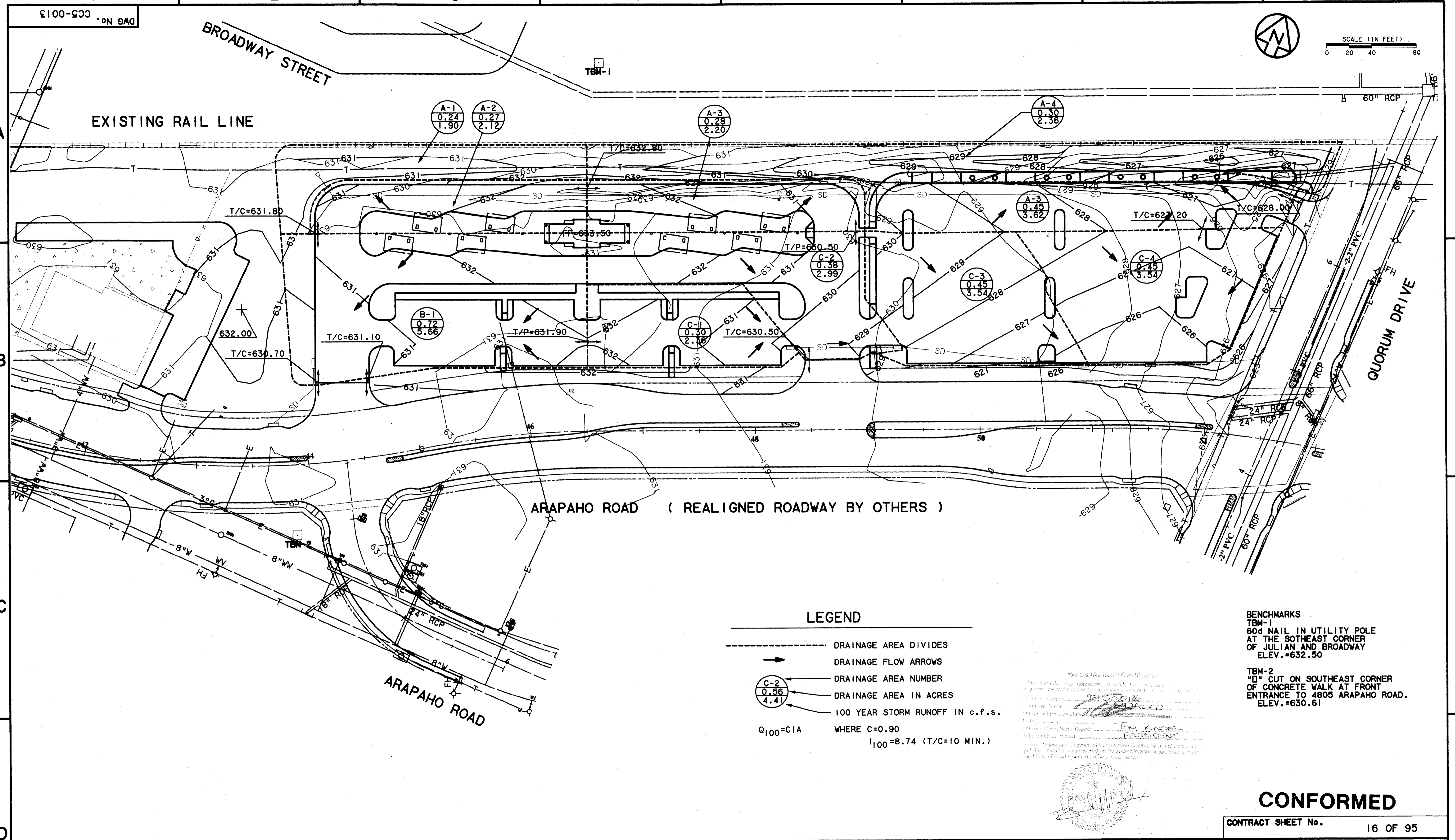


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 02 MAR 98
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 \$(USER)

DWG No. CC5-0013



SCALE (IN FEET)
 0 20 40 80



LEGEND

- DRAINAGE AREA DIVIDES
- DRAINAGE FLOW ARROWS
- C-2
0.56
4.41 DRAINAGE AREA NUMBER
- C-2
0.56
4.41 DRAINAGE AREA IN ACRES
- Q₁₀₀=CIA WHERE C=0.90
- I₁₀₀=8.74 (T/C=10 MIN.)

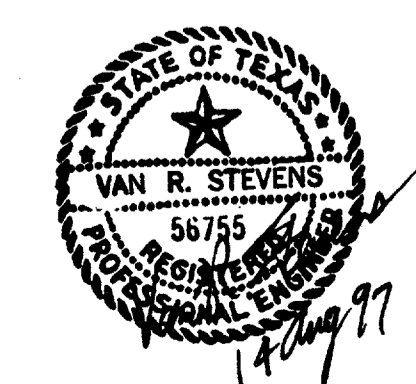
Record (As-built) Certification
 I have checked this submission, as certified by a professional engineer, and find it to be correct and in accordance with the contract documents. I hereby certify that the work shown on this drawing was done in accordance with the contract documents and the laws of the State of Texas.
 Date: 8/14/97
 Signature: [Signature]
 Title: [Title]
 Seal: [Seal]

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

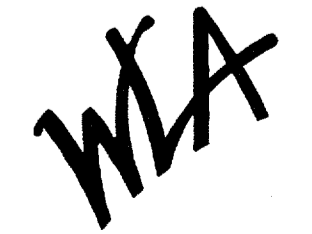
CONFORMED

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 & NEWNAM
 THE SWA GROUP
 GERARD & ASSOCIATES
 ZAXON



WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 185 MARKET CENTER BLVD - SUITE 300
 DALLAS, TEXAS 75207
 (214) 748-7777

DART PROJECT



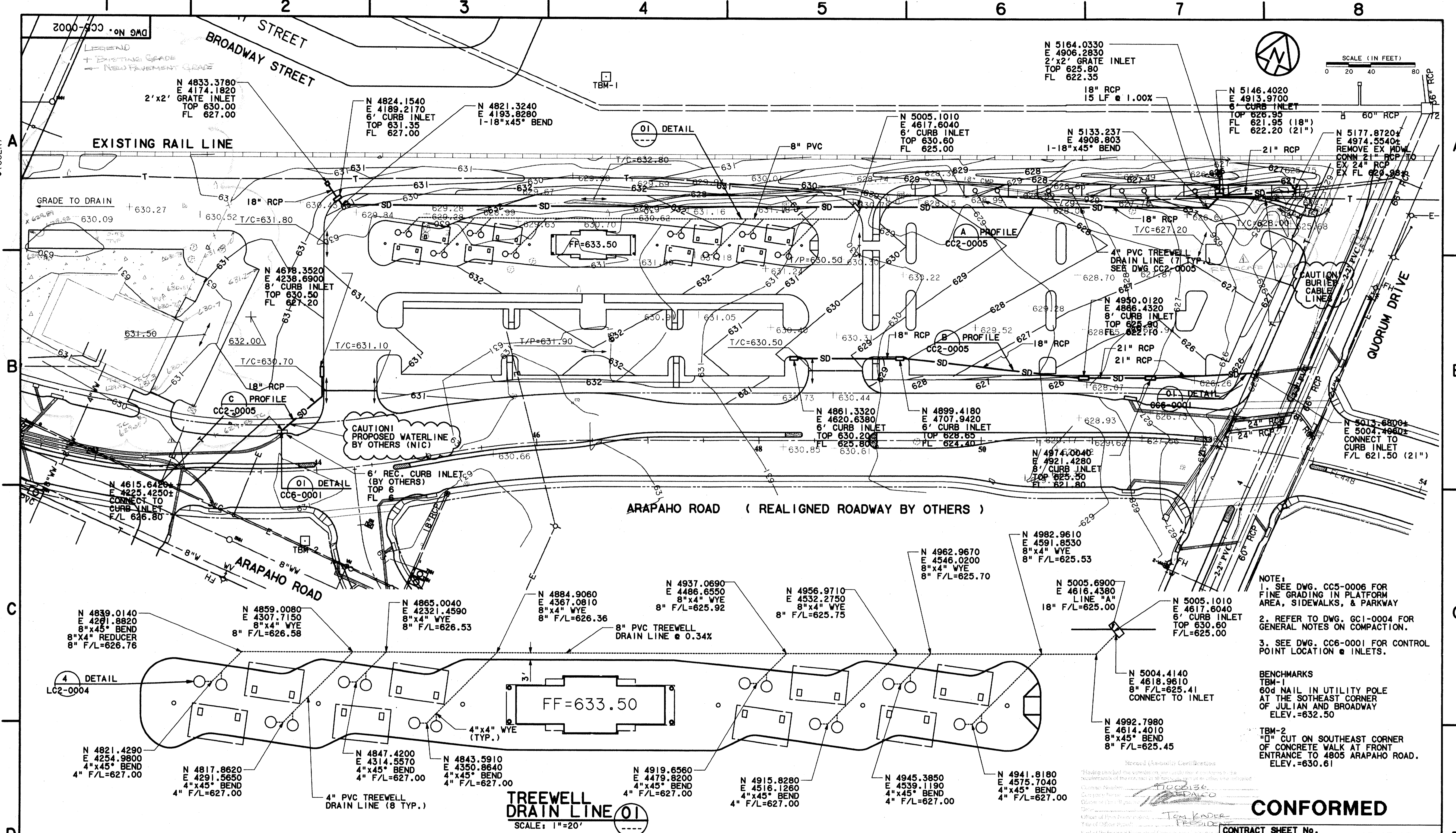
SCALE 1"=40'
 DRAWN D. KRUCIAK
 DESIGNED P. ZHAO
 CHECKED V. STEVENS
 IN CHARGE V. STEVENS
 DATE AUG. 14, 1997



**ADDISON
 TRANSIT CENTER
 DRAINAGE AREA MAP**

CONTRACT C-97000136 DWG No. CC5-0013 REV 0

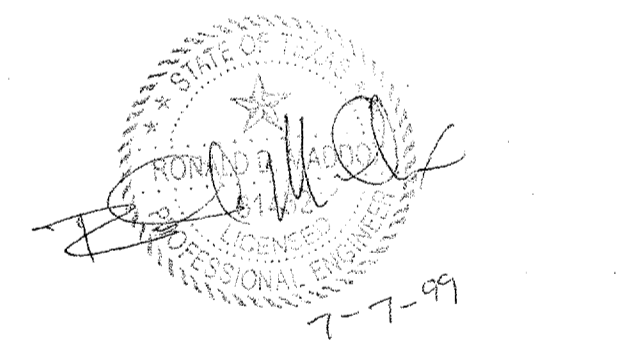
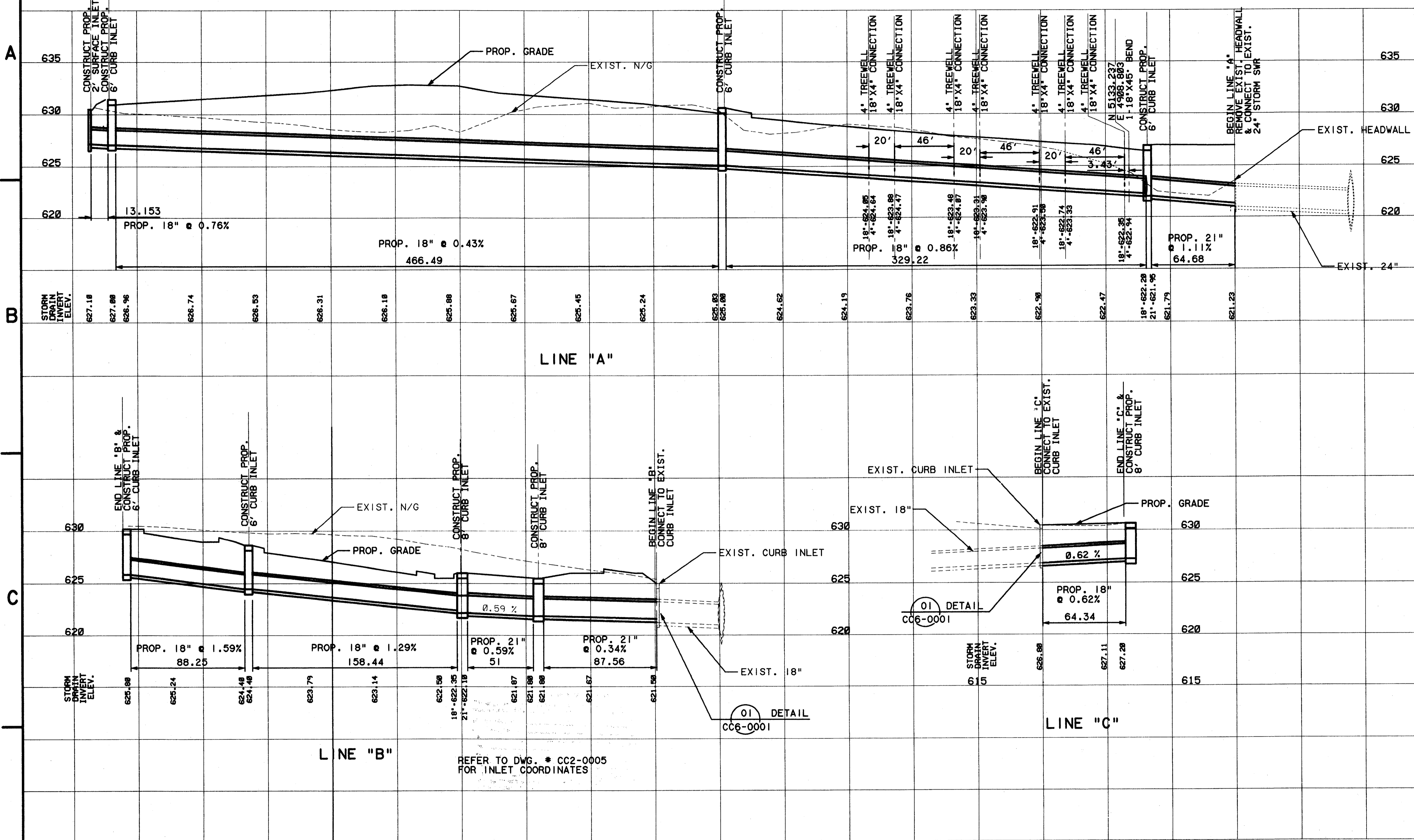
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 02 MAR 98
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					WENDY LOPEZ & ASSOC. LOCKWOOD, ANDREWS & NEWMAN THE SWA GROUP GERARD & ASSOCIATES ZAXON					 WENDY LOPEZ & ASSOCIATES, INC. ENGINEERING • SURVEYING • CONSTRUCTION SERVICES 105 MARKET CENTER BLVD. - SUITE 500 DALLAS, TEXAS 75201 (214) 748-7777					DART PROJECT 					CONFORMED CONTRACT SHEET No. 17 OF 95 ADDISON TRANSIT CENTER DRAINAGE AND GRADING PLAN																										
<table border="1"> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> <th>ENG</th> <th>CHK</th> <th>APP</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>					REV	DATE	DESCRIPTION	BY	ENG	CHK	APP								<table border="1"> <tr> <th>SCALE</th> <td>1"=40'</td> </tr> <tr> <th>DRAWN</th> <td>D. KRUCIAK</td> </tr> <tr> <th>DESIGNED</th> <td>P. ZHAO</td> </tr> <tr> <th>CHECKED</th> <td>V. STEVENS</td> </tr> <tr> <th>IN CHARGE</th> <td>V. STEVENS</td> </tr> <tr> <th>DATE</th> <td>AUG. 14, 1997</td> </tr> </table>					SCALE	1"=40'	DRAWN	D. KRUCIAK	DESIGNED	P. ZHAO	CHECKED	V. STEVENS	IN CHARGE	V. STEVENS	DATE	AUG. 14, 1997	<table border="1"> <tr> <th>CONTRACT</th> <td>C-97000136</td> </tr> <tr> <th>DWG No.</th> <td>CC5-0002</td> </tr> <tr> <th>REV</th> <td>01</td> </tr> </table>					CONTRACT	C-97000136	DWG No.	CC5-0002	REV	01
REV	DATE	DESCRIPTION	BY	ENG	CHK	APP																																								
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.	CC5-0002																																													
REV	01																																													

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14 AUG 97
DART.TBL
JAMES LANDRY

9000-200
DWG No. 9M

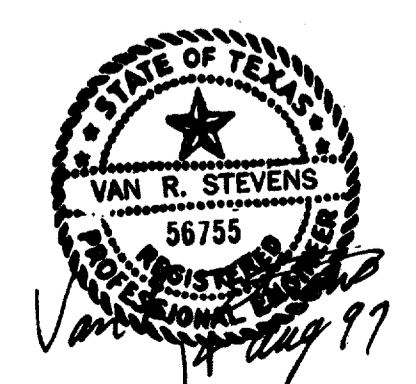


Record (As-Built) Certification
I have checked this submission, and certify that it conforms to the
requirements of the contract in all respects, and as otherwise indicated.
Contract Number: 97065136
Company Name: [Signature]
Division of Professional Services: [Signature]
Date: [Signature]
Title of Person Issued: TOM KADER
Title of Office: PRESIDENT
I, the undersigned, being a duly Licensed Professional Engineer in the State of Texas, do hereby certify that the above
certification is true and correct, and that the same conforms to the conditions reflected therein, and as the same are shown.

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 & NEWNAM
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING & SURVEYING - CONSTRUCTION SERVICES
100 MARKET CENTER BLVD - SUITE 300
DALLAS, TEXAS 75201
(214) 746-7771

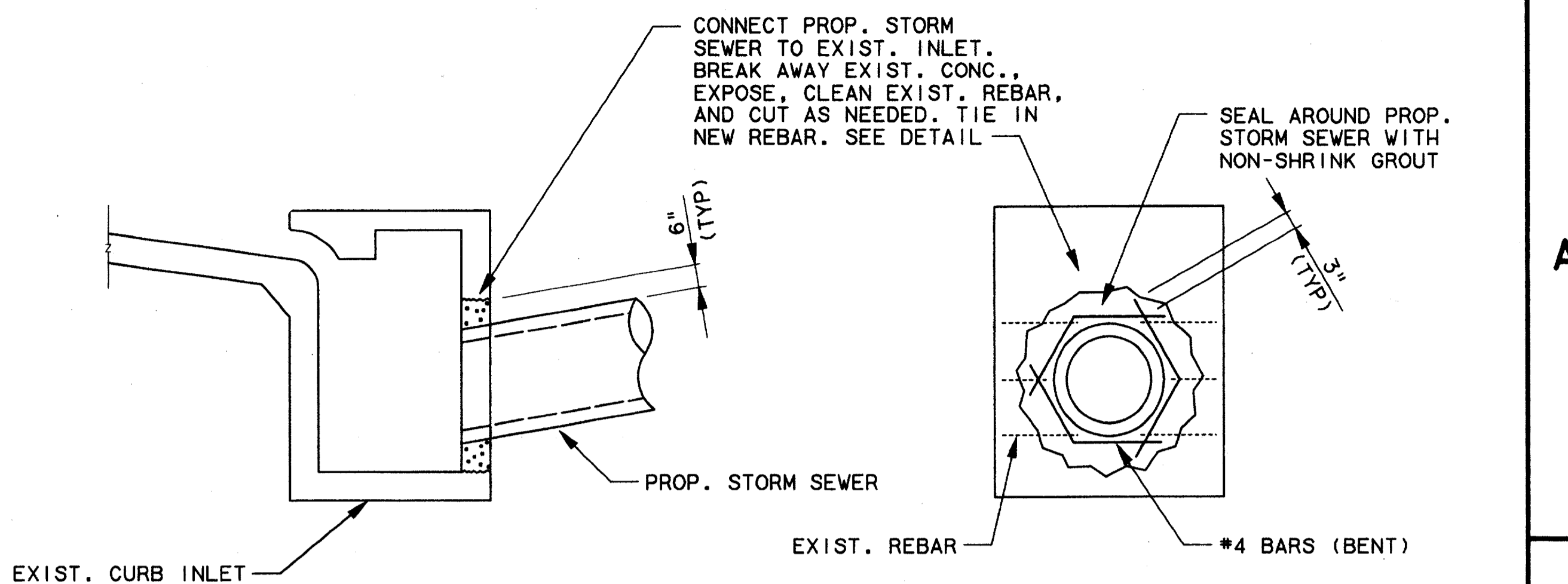
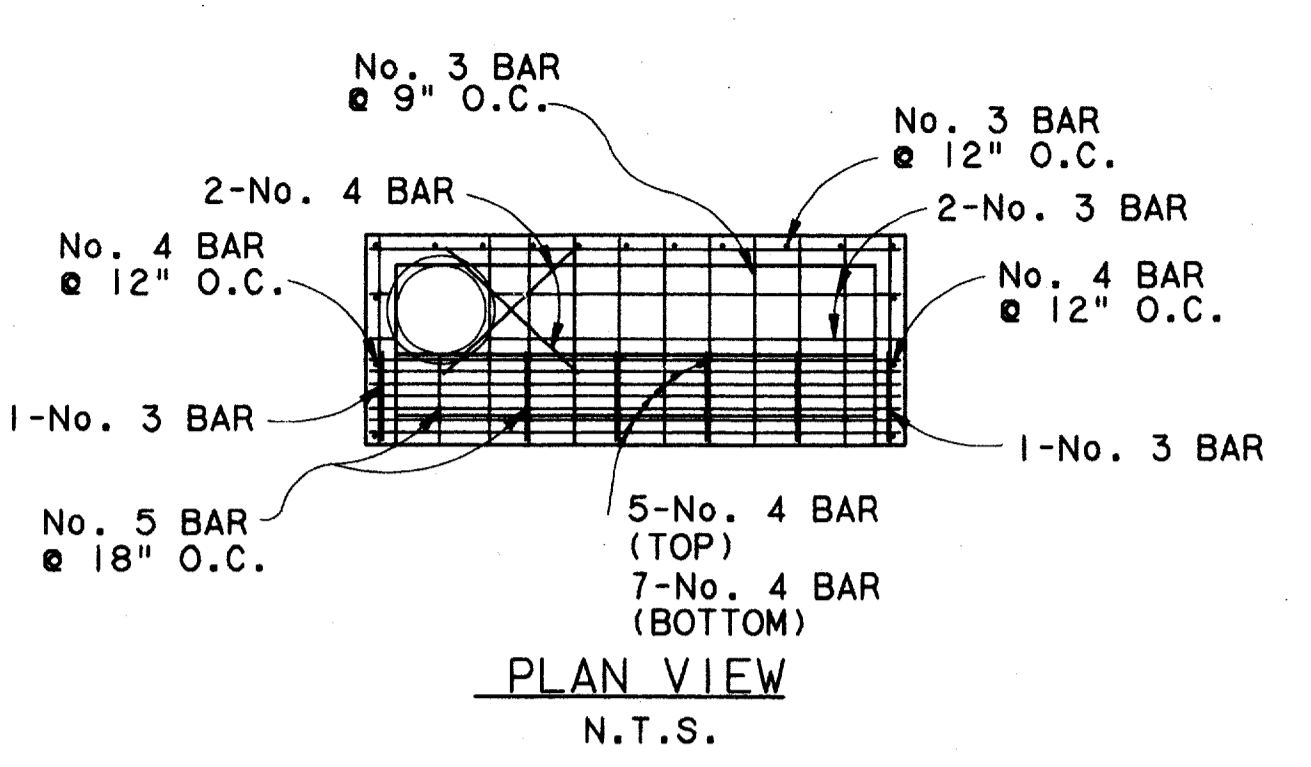
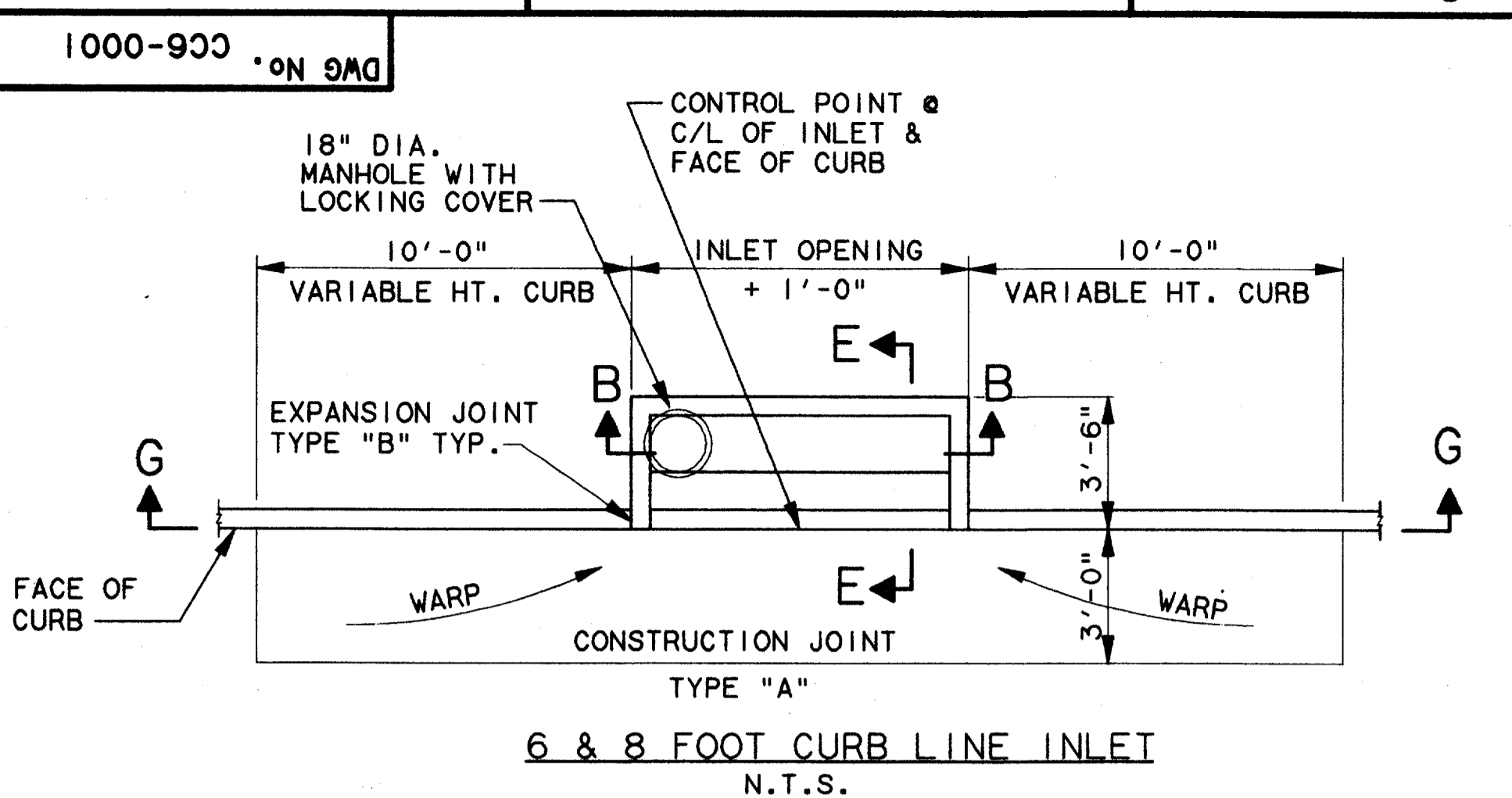
DART PROJECT

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**

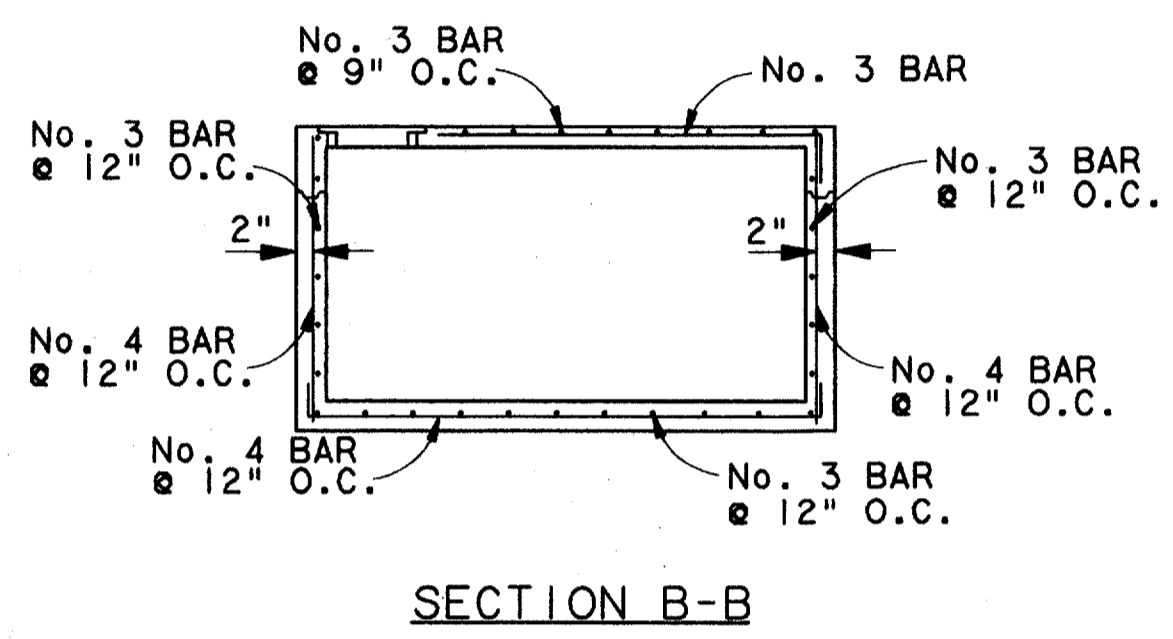
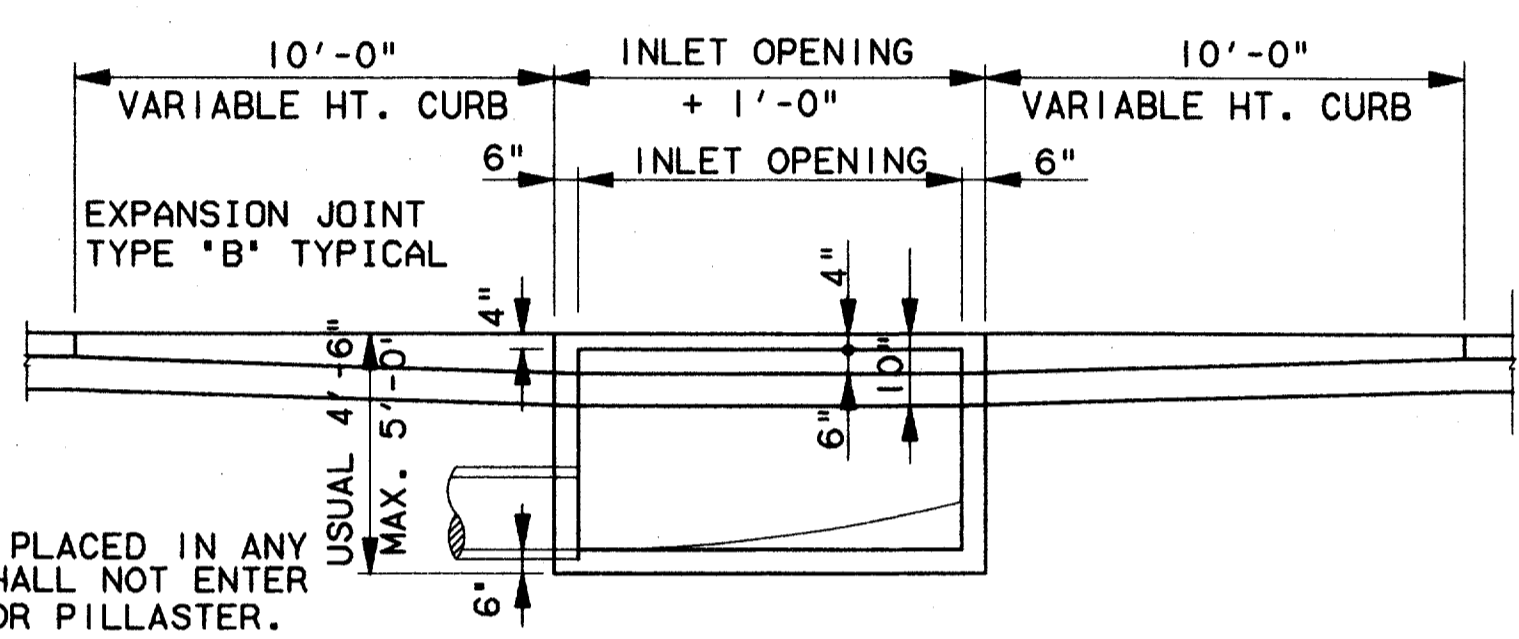
CONTRACT C-97000136
DWG No. CC2-0005
REV 0

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13 AUG 97
DART.TBL
JAMES LANDRY



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

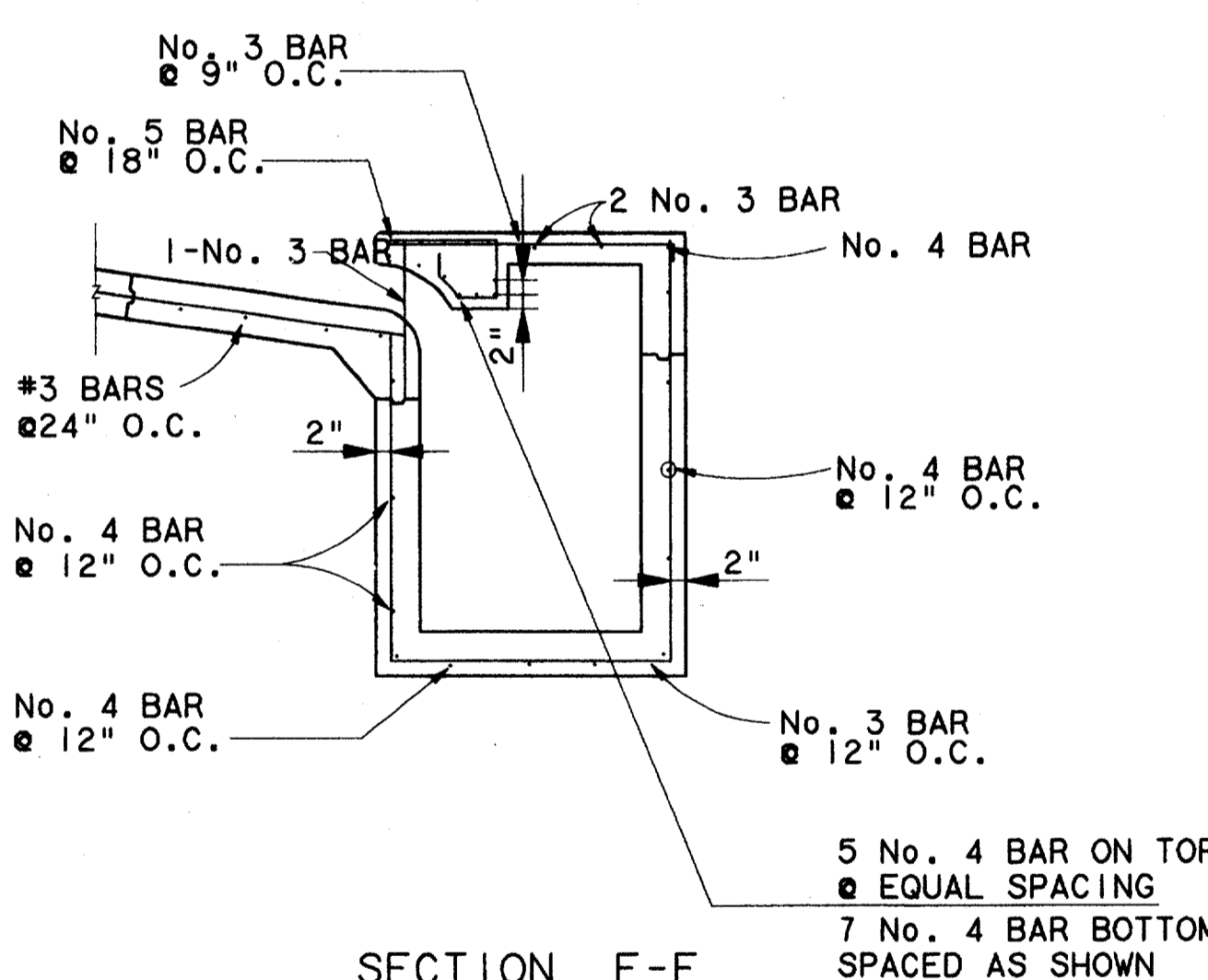
* TOWN OF ADDISON MAY HAVE PROVIDED A STUB-OUT TO TIE-INTO IN LIEU OF THIS DETAIL.



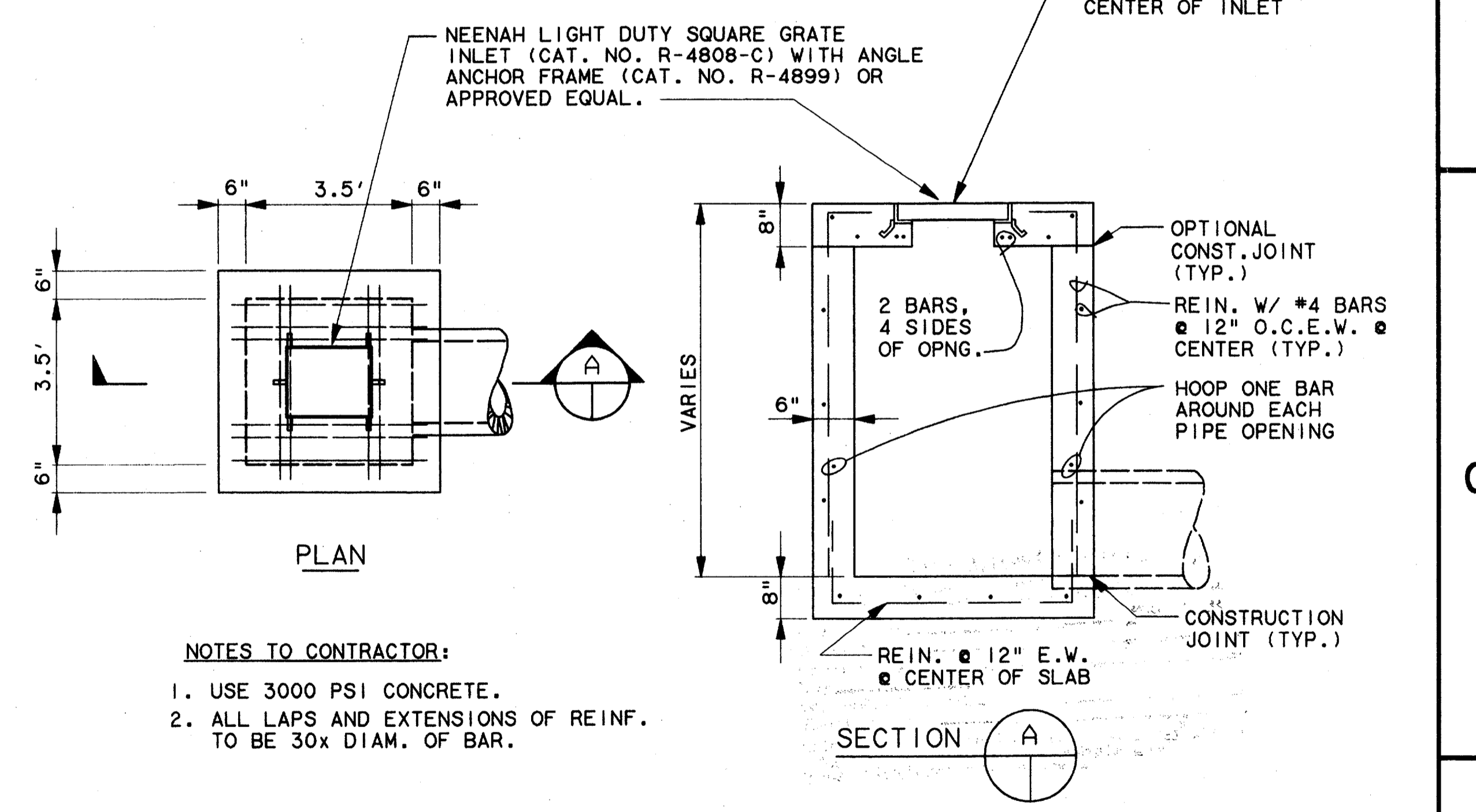
SECTION B-B
N.T.S.

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

SECTION G-G
N.T.S.



SECTION E-E
N.T.S.



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.

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.

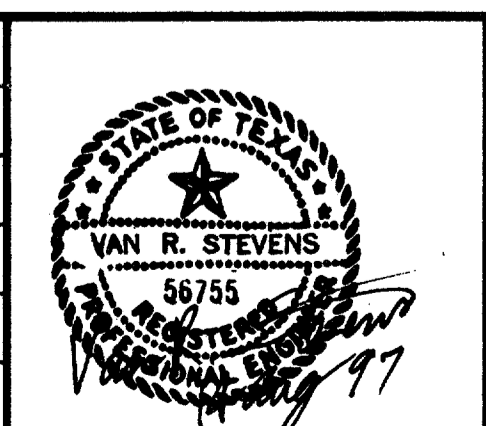
TYPICAL CROSS SECTION
N.T.S.

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

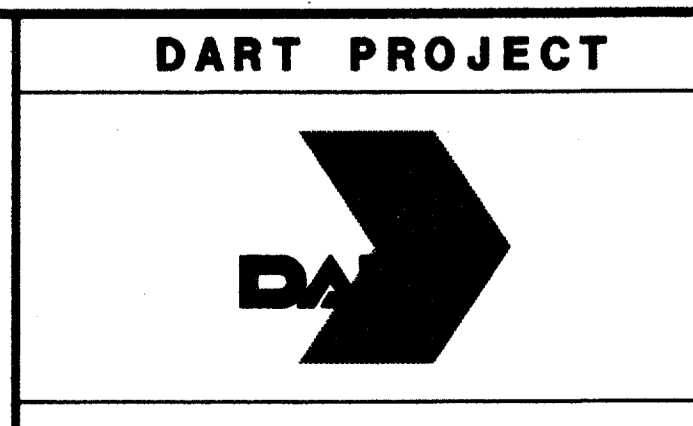
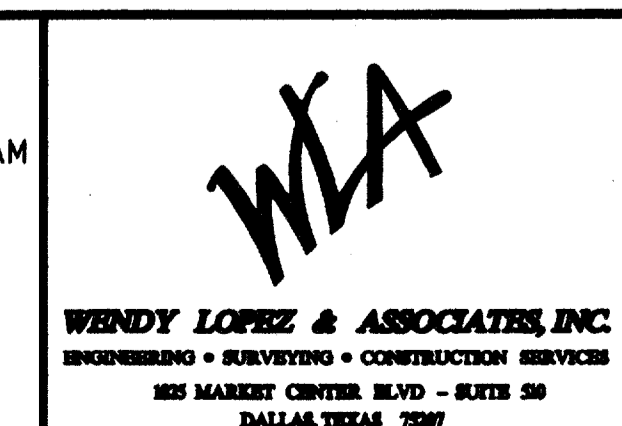
CONFORMED

CONTRACT SHEET No. 19 OF 95

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



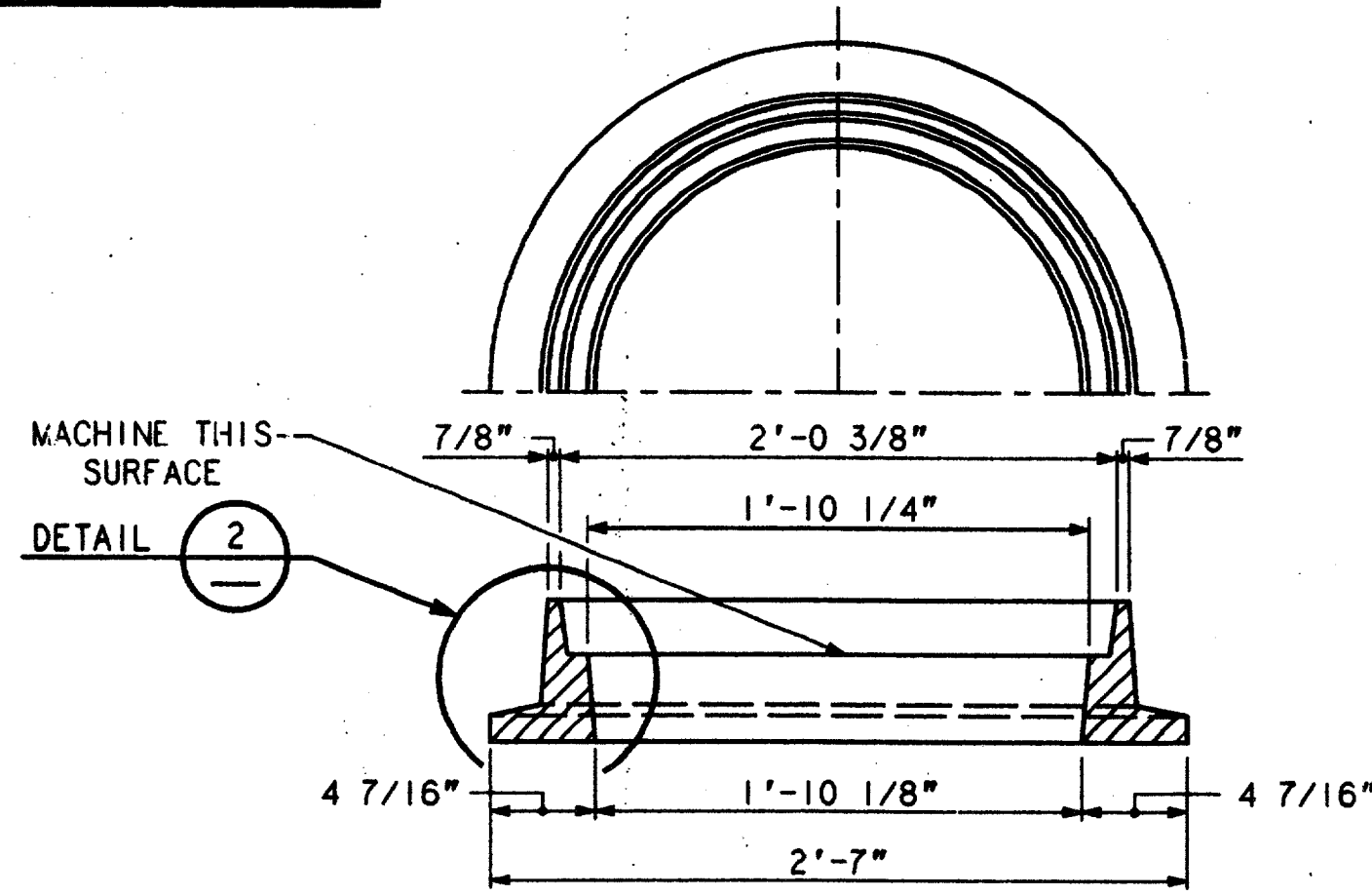
WENDY LOPEZ & ASSOC.
LOCKWOOD, ANDREWS & NEWNAM
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON



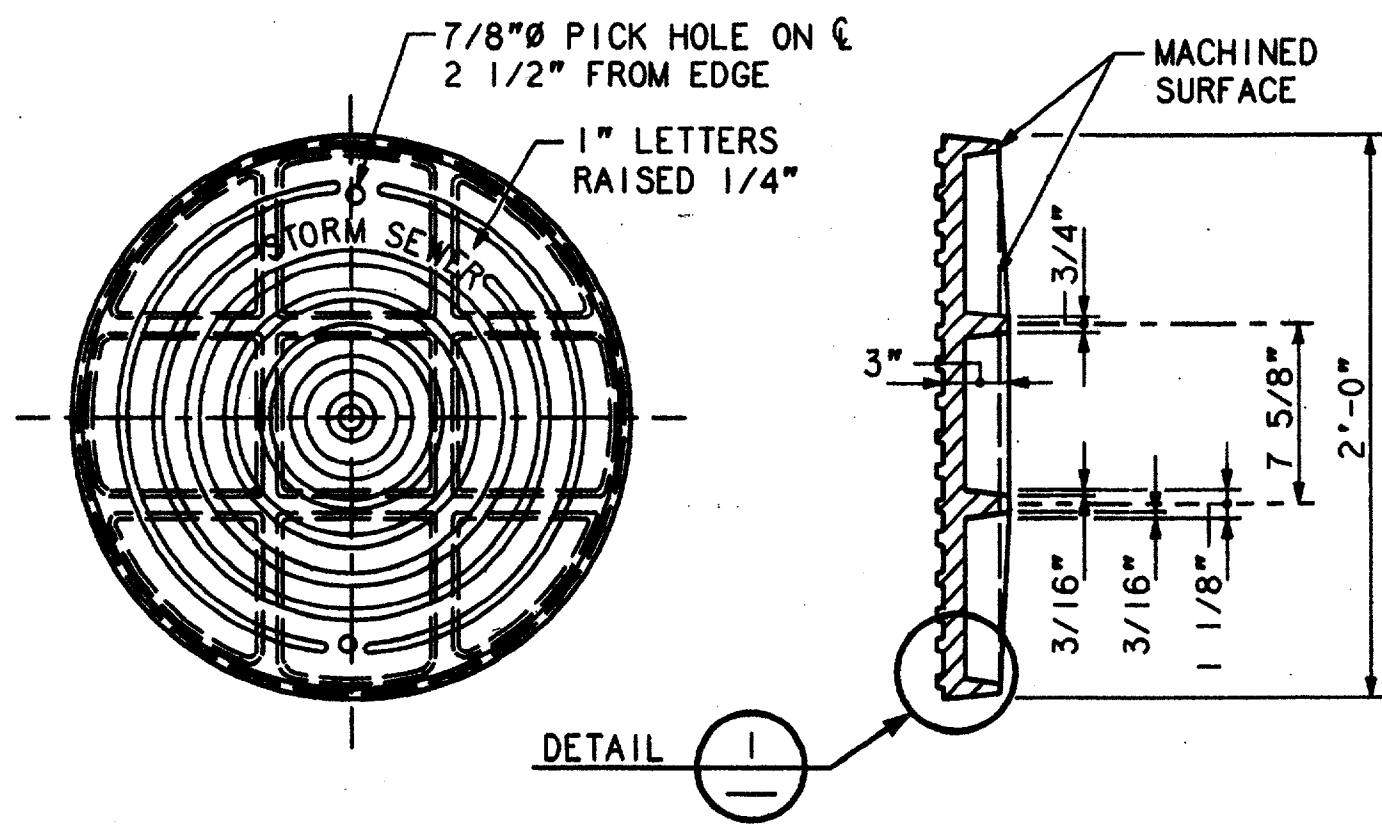
SCALE	N.T.S.
DRAWN	D. KRUCIAK
DESIGNED	P. ZHAO
CHECKED	V. STEVENS
IN CHARGE	V. STEVENS
DATE	14 AUG. 1997

ADDISON
TRANSIT CENTER
INLET DETAILS

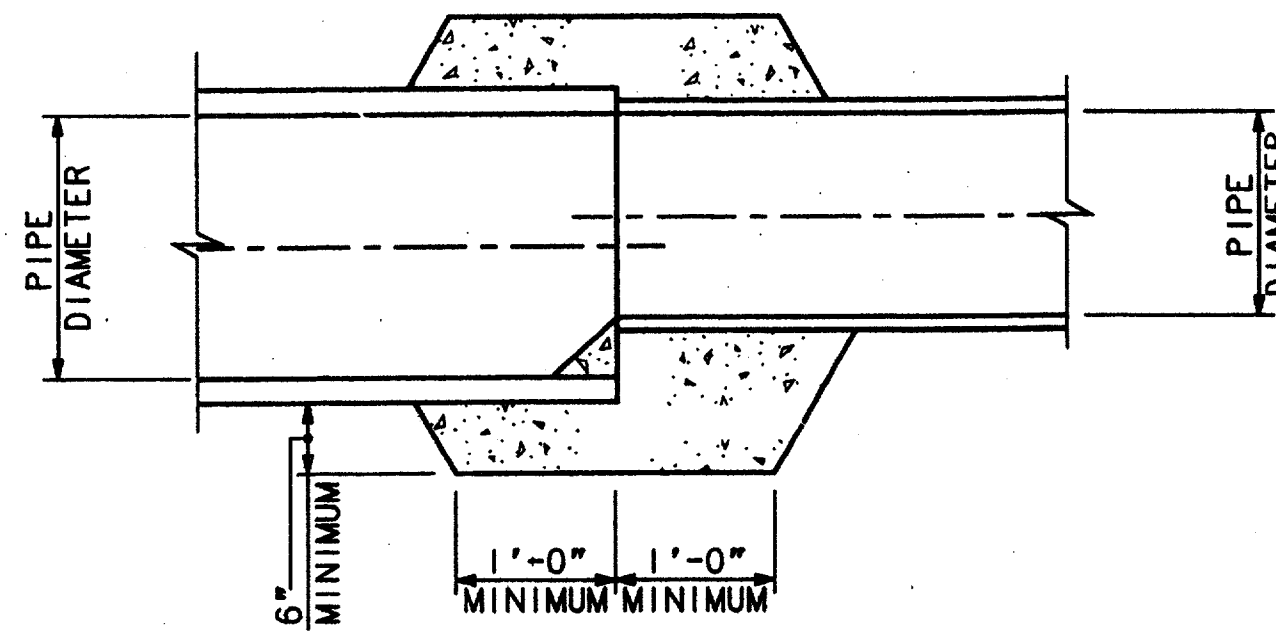
CONTRACT	C-97000136	DWG No.	CC6-0001	REV	0
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HALF PLAN AND SECTION OF FRAME

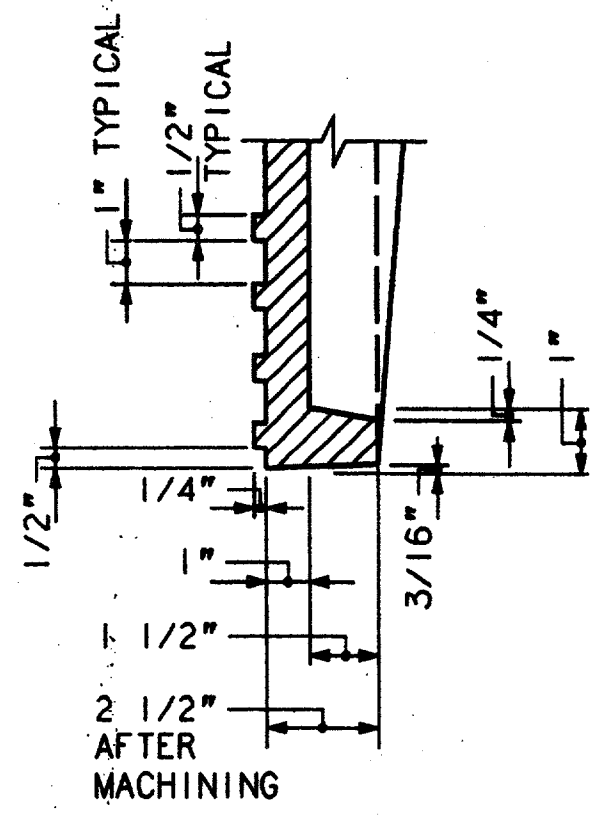


COVER COVER SECTION

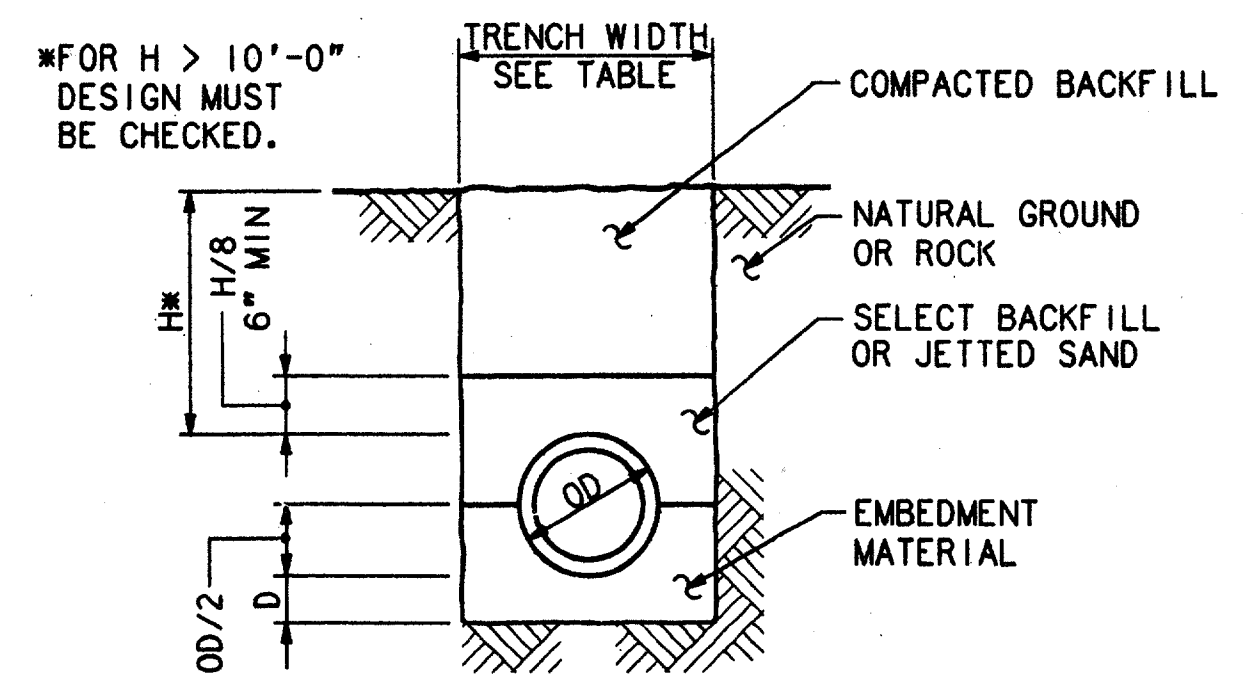


CONCRETE COLLAR FOR PIPE CONNECTION

- 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



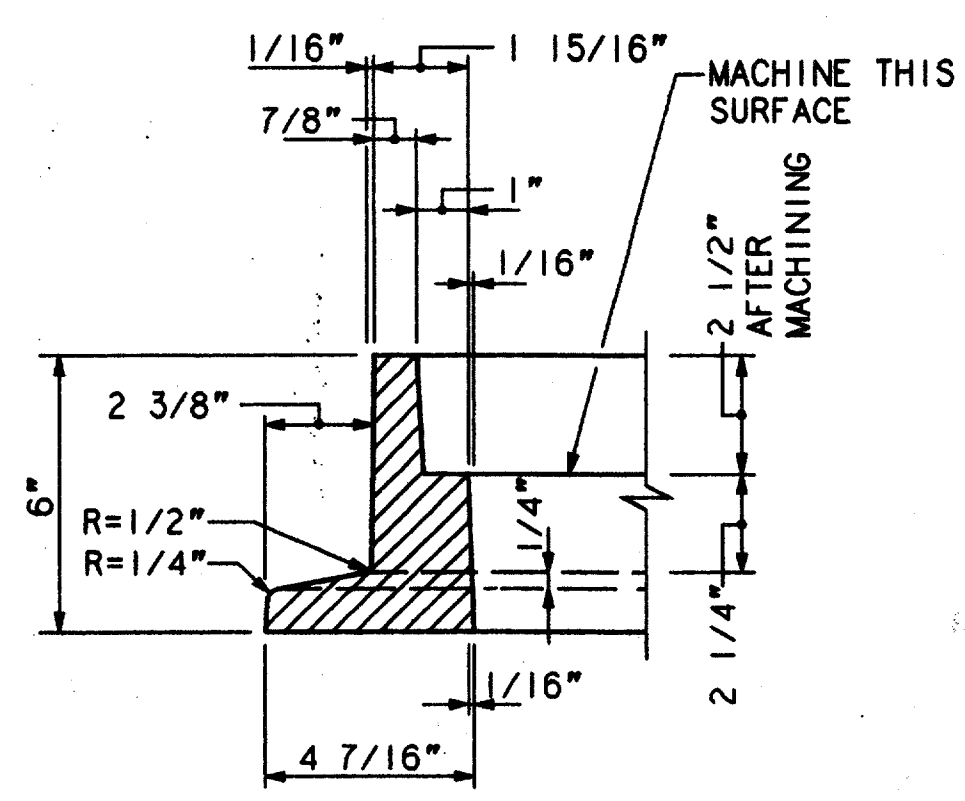
*FOR H > 10'-0" DESIGN MUST BE CHECKED.

D = DEPTH OF BEDDING MATERIAL BELOW PIPE
H = BACK FILL COVER ABOVE TOP OF PIPE

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"



DETAIL 2

REINFORCED CONCRETE PIPE INSTALLATION

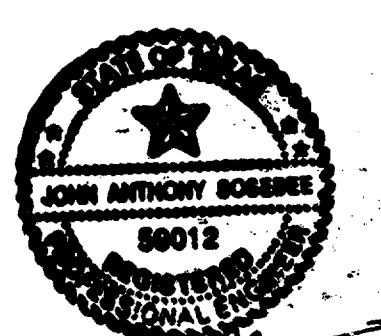
Checked by: [Signature]
 Designing Engineer: [Signature]
 Civil Engineer: [Signature]
 Job: [Signature]
 President: [Signature]

STATE OF TEXAS
 51452

CONFORMED

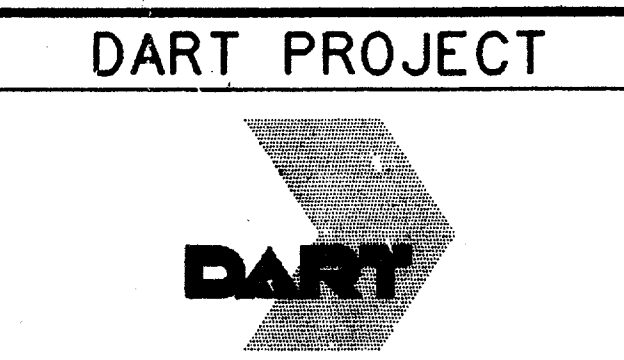
CONTRACT SHEET No. 20 of 95

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



HUITT-ZOLLARS
 3131 MCKINNEY AVENUE/SUITE 600
 DALLAS, TEXAS 75244-8711-3311

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

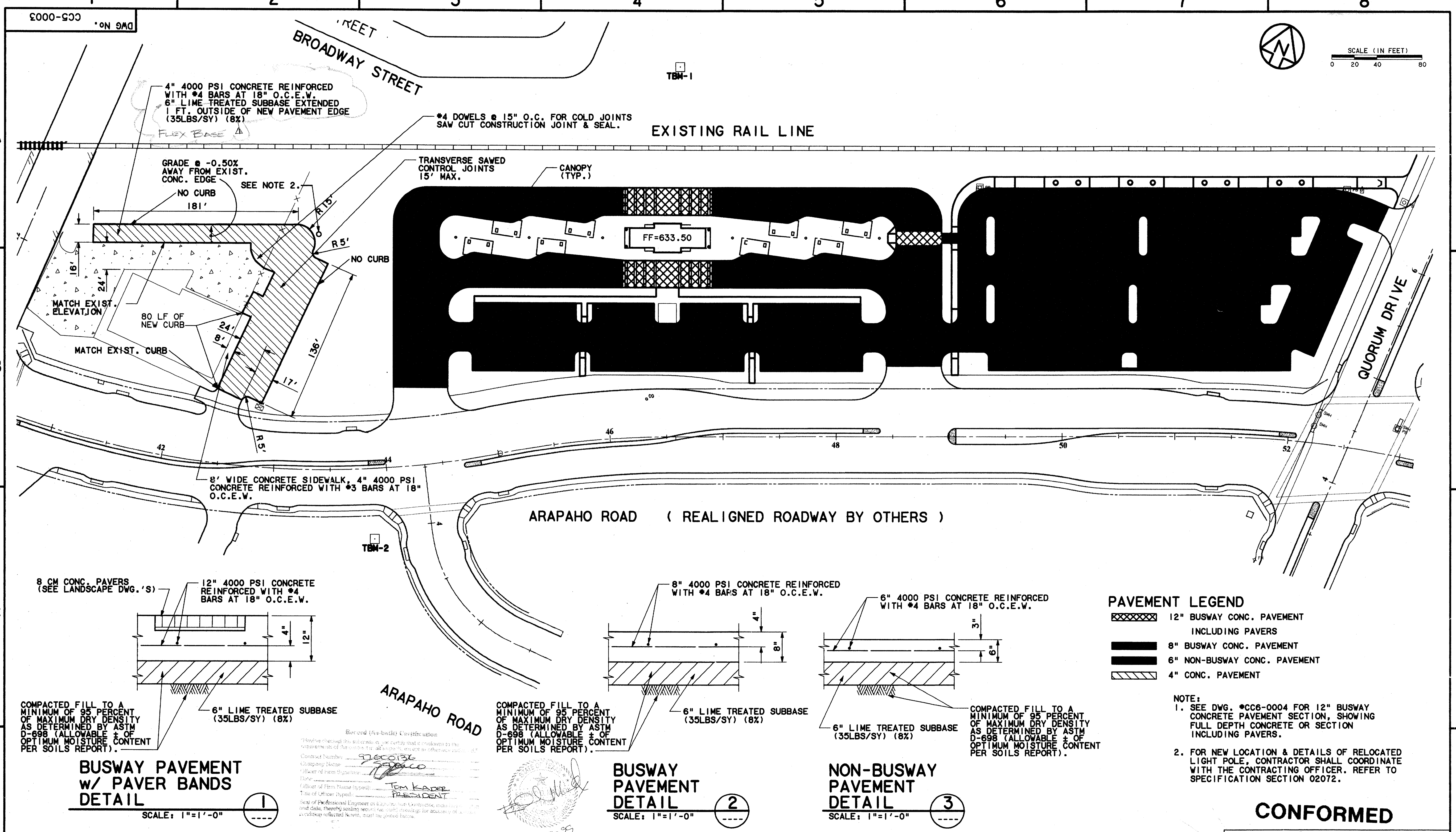


SCALE: NO SCALE
 DRW: W.C. HALL
 DESIGNED: E.A. RAINOSEK
 CHECKED: R. GRICE
 IN CHARGE: D. KELLY
 DATE: 06 DEC 91

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

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

\$\$\$DGN SPECIFICATIONS\$\$\$\$
 \$\$\$SYTIME\$\$\$\$
 \$\$\$PRF\$\$\$\$
 \$\$\$USERNAME\$\$\$\$
 \$\$\$ROT\$\$\$\$
 \$\$\$PEN\$\$\$\$
 \$\$\$FILE6\$\$\$\$
 \$\$\$FILE7\$\$\$\$
 \$\$\$FILE8\$\$\$\$
 \$\$\$FILE9\$\$\$\$
 \$\$\$FILE10\$\$\$\$
 \$\$\$FILE11\$\$\$\$
 \$\$\$FILE12\$\$\$\$
 \$\$\$FILE13\$\$\$\$
 \$\$\$FILE14\$\$\$\$
 \$\$\$FILE15\$\$\$\$



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

BUSWAY PAVEMENT DETAIL 2
SCALE: 1"=1'-0"

NON-BUSWAY PAVEMENT DETAIL 3
SCALE: 1"=1'-0"

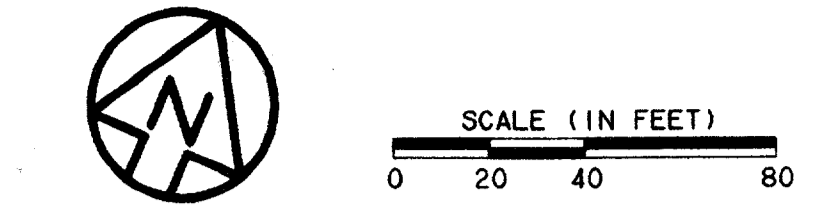
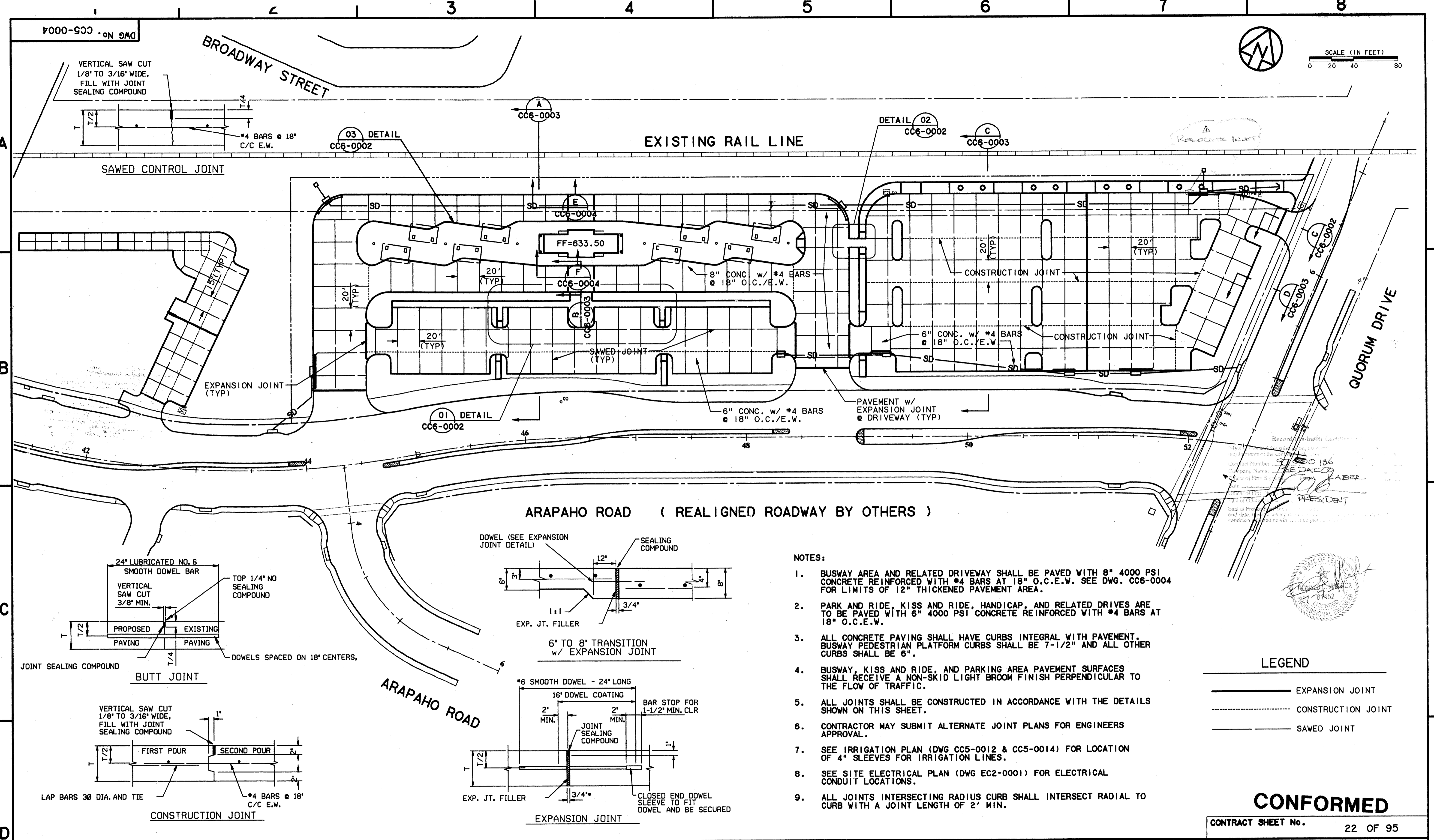
CONFORMED

CONTRACT SHEET No. 21 OF 95

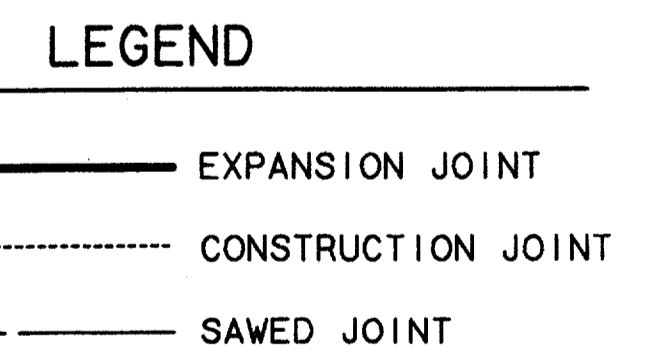
REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
△	8/30/99	RECORD AS BUILT	EDW	SLM			△						
△							△						
△							△						
△							△						
△							△						

	WENDY LOPEZ & ASSOC. LOCKWOOD, ANDREWS & NEWNAM THE SWA GROUP GERARD & ASSOCIATES ZAXON		DART PROJECT 	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
	WENDY LOPEZ & ASSOCIATES, INC. ENGINEERING • SURVEYING • CONSTRUCTION SERVICES 102 MARKET CENTER BLVD - SUITE 510 DALLAS, TEXAS 75207 (214) 742-7777			CONTRACT C-97000136 DWG No. CC5-0003 REV 01	

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02 MAR 98
DART.TBL
\$(USER)



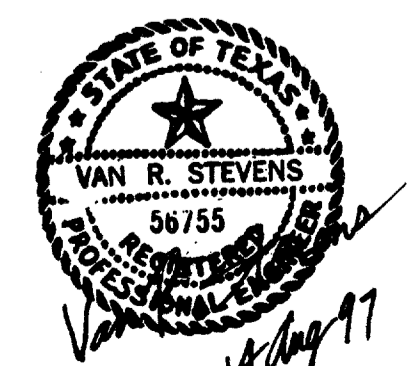
- NOTES:**
- BUSWAY AREA AND RELATED DRIVEWAY SHALL BE PAVED WITH 8" 4000 PSI CONCRETE REINFORCED WITH #4 BARS AT 18" O.C.E.W. SEE DWG. CC6-0004 FOR LIMITS OF 12" THICKENED PAVEMENT AREA.
 - PARK AND RIDE, KISS AND RIDE, HANDICAP, AND RELATED DRIVES ARE TO BE PAVED WITH 6" 4000 PSI CONCRETE REINFORCED 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.



CONFORMED

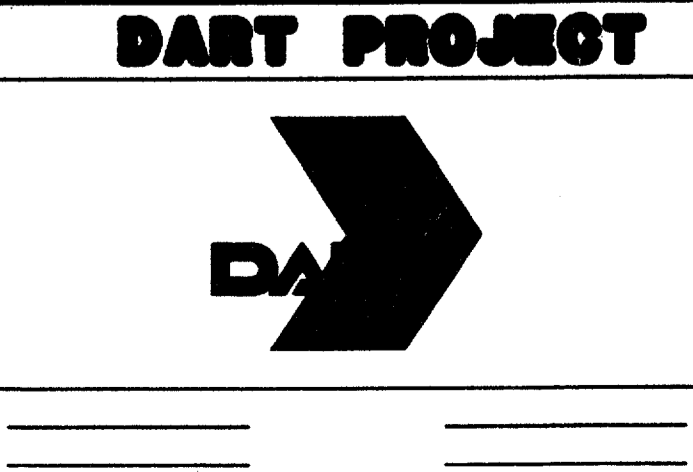
CONTRACT SHEET No. 22 OF 95

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
105 MARKET CENTER BLVD - SUITE 200
DALLAS, TEXAS 75207
(214) 766-7777



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

ADDISON TRANSIT CENTER PAVEMENT JOINT LAYOUT

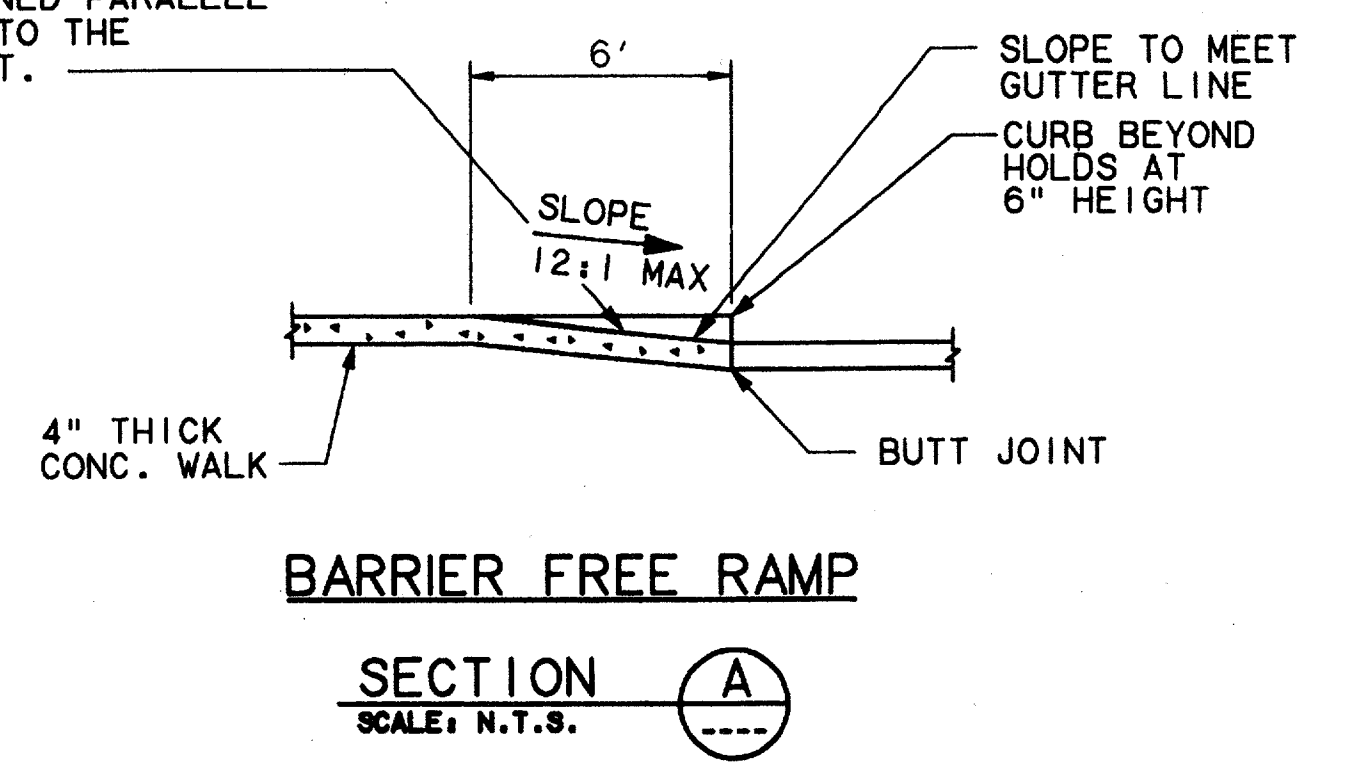
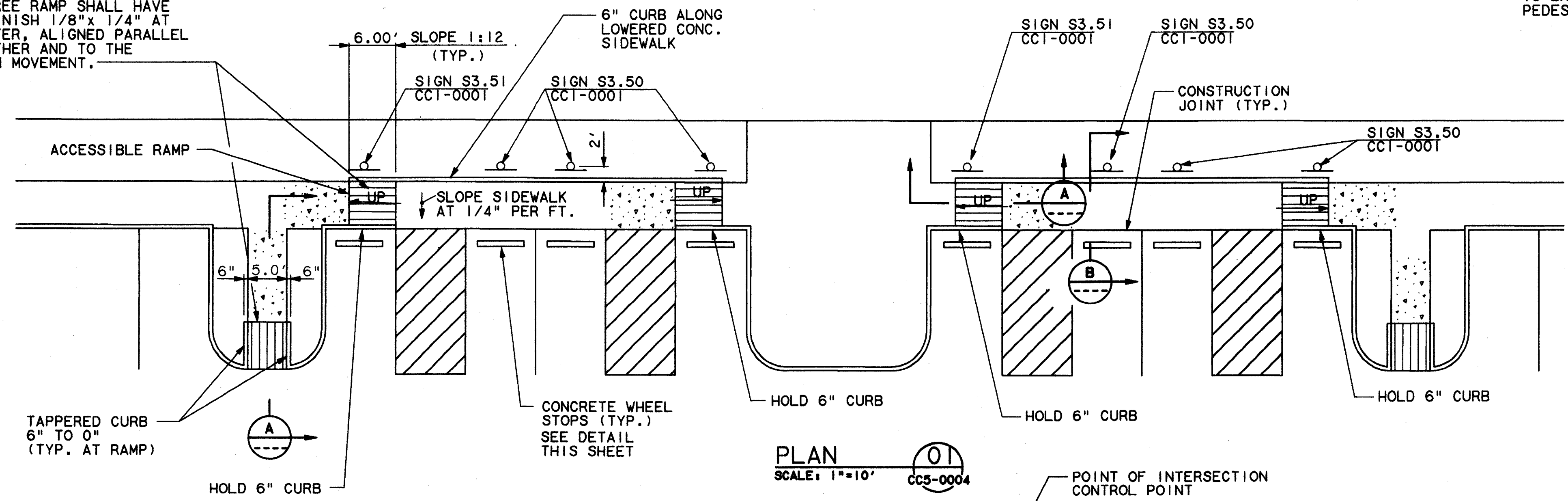
CONTRACT C-97000136 DWG No. CC5-0004 REV 0

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17 MAR 98
DART.TBL
David Kruciak

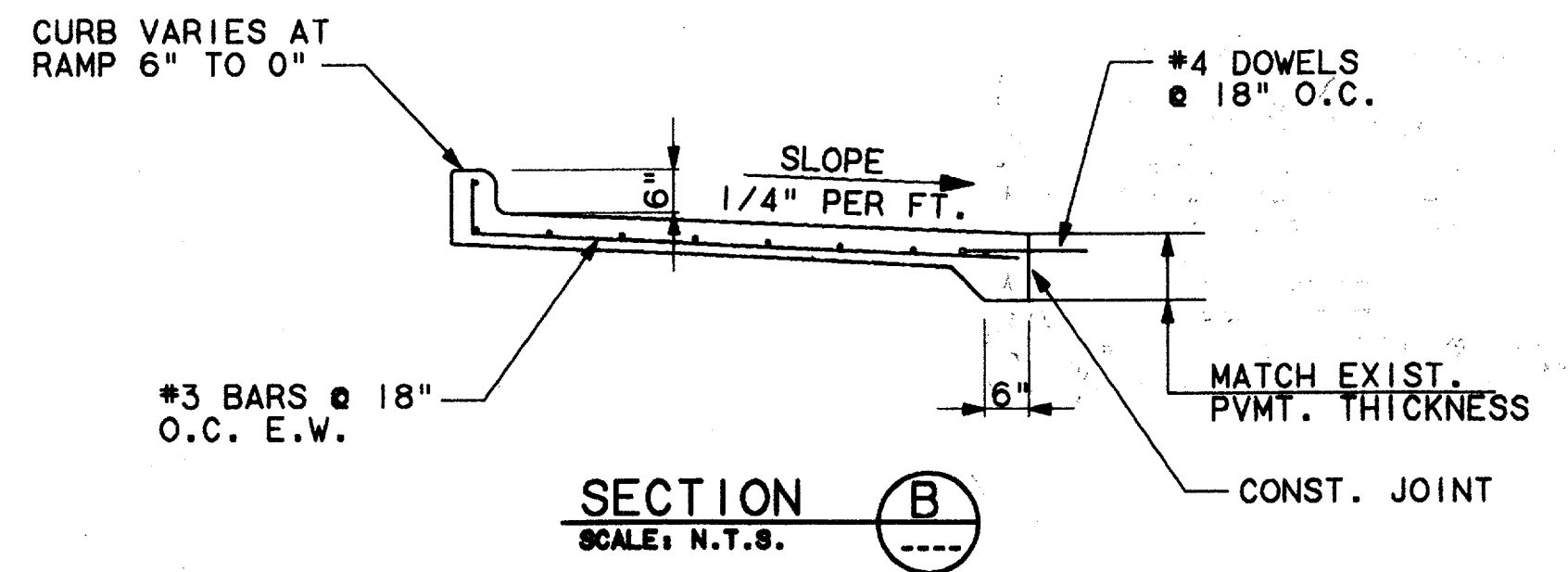
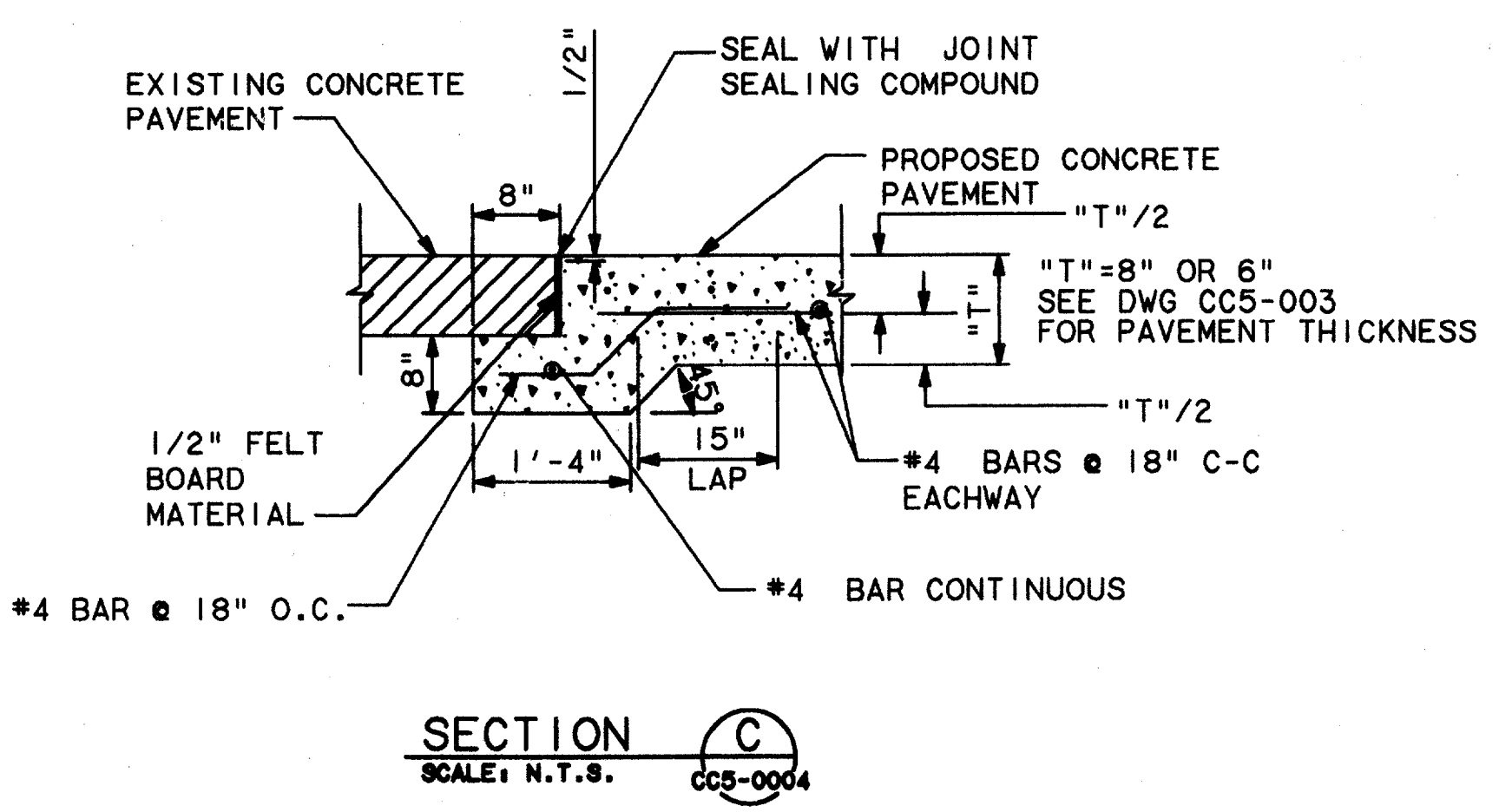
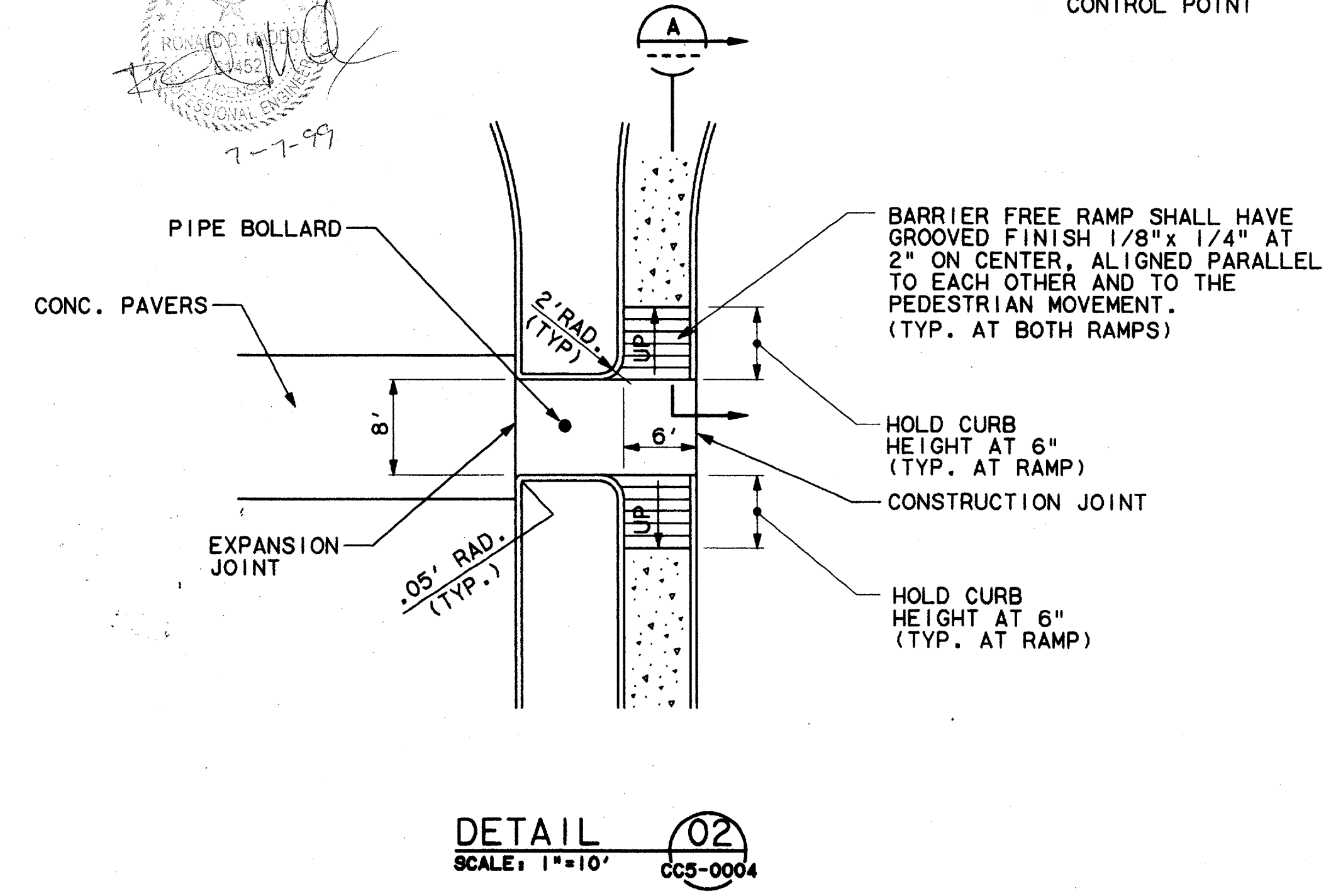
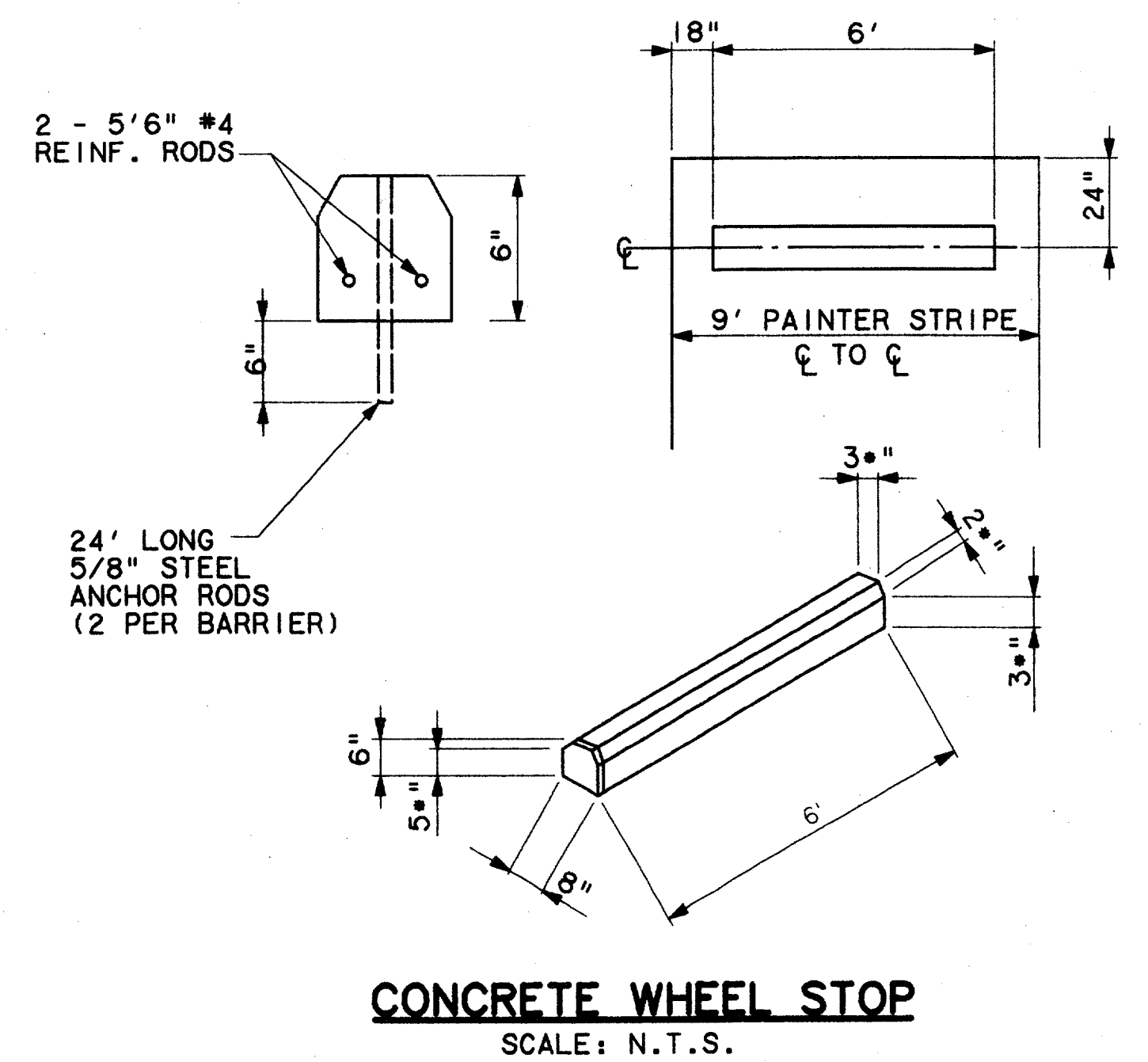
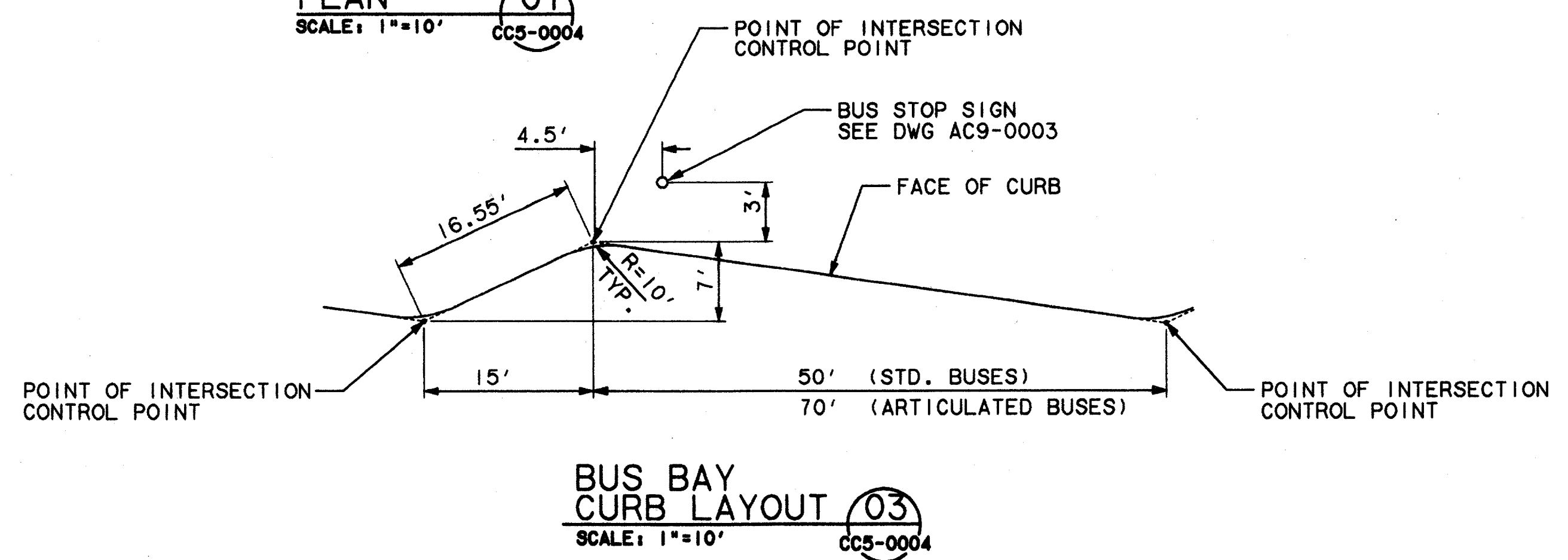
2000-900 ON GMD

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



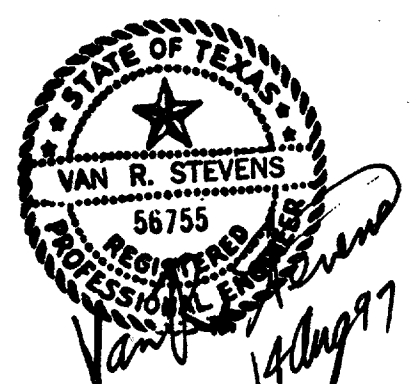
Having checked the submitted drawings, I certify that they conform to the requirements of the contract in all respects, except as otherwise indicated.
Contract Number: 940002
Company Name: WOODS BROS. CONSTRUCTION CO.
Official of Firm: TOM KACER
Title: PRESIDENT
Date: 7-1-99
Seal of Professional Engineer: [Seal]



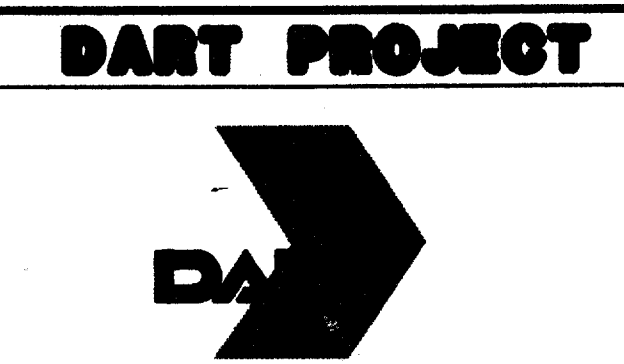
CONFORMED

CONTRACT SHEET No. 23 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

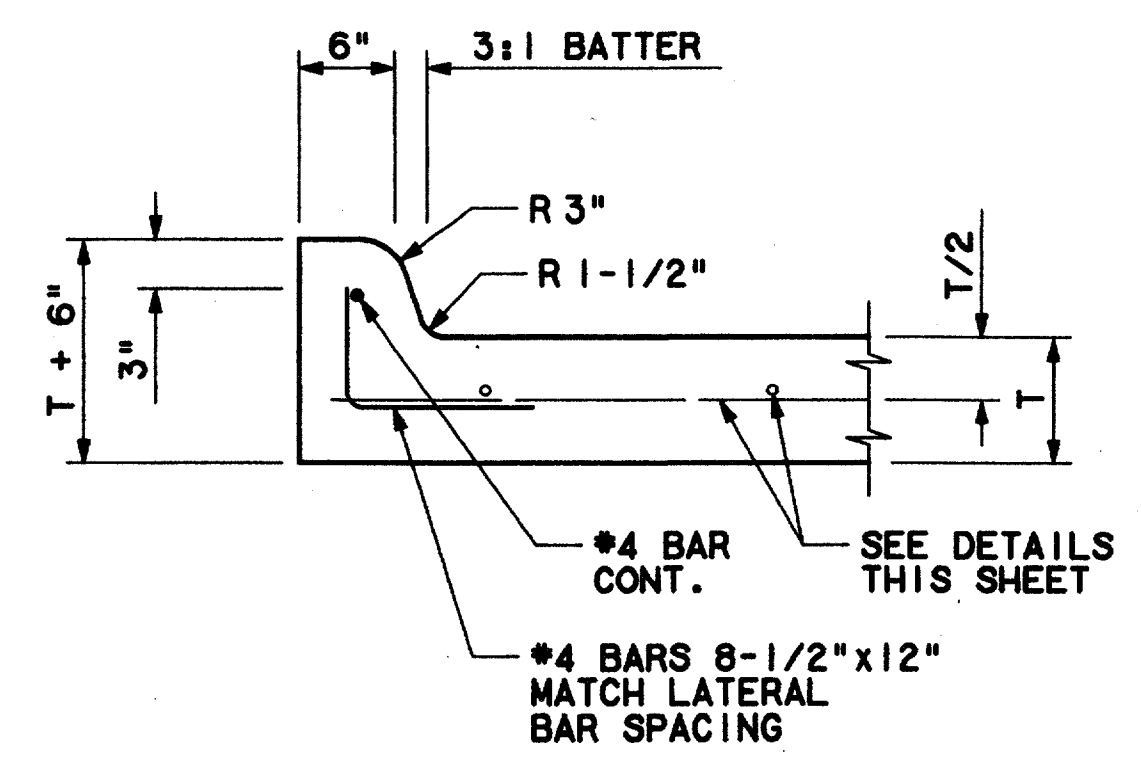


SCALE	N.T.S.
DRAWN	D. KRUCIAK
DESIGNED	P. ZHAO
CHECKED	V. STEVENS
IN CHARGE	V. STEVENS
DATE	AUG. 14, 1997

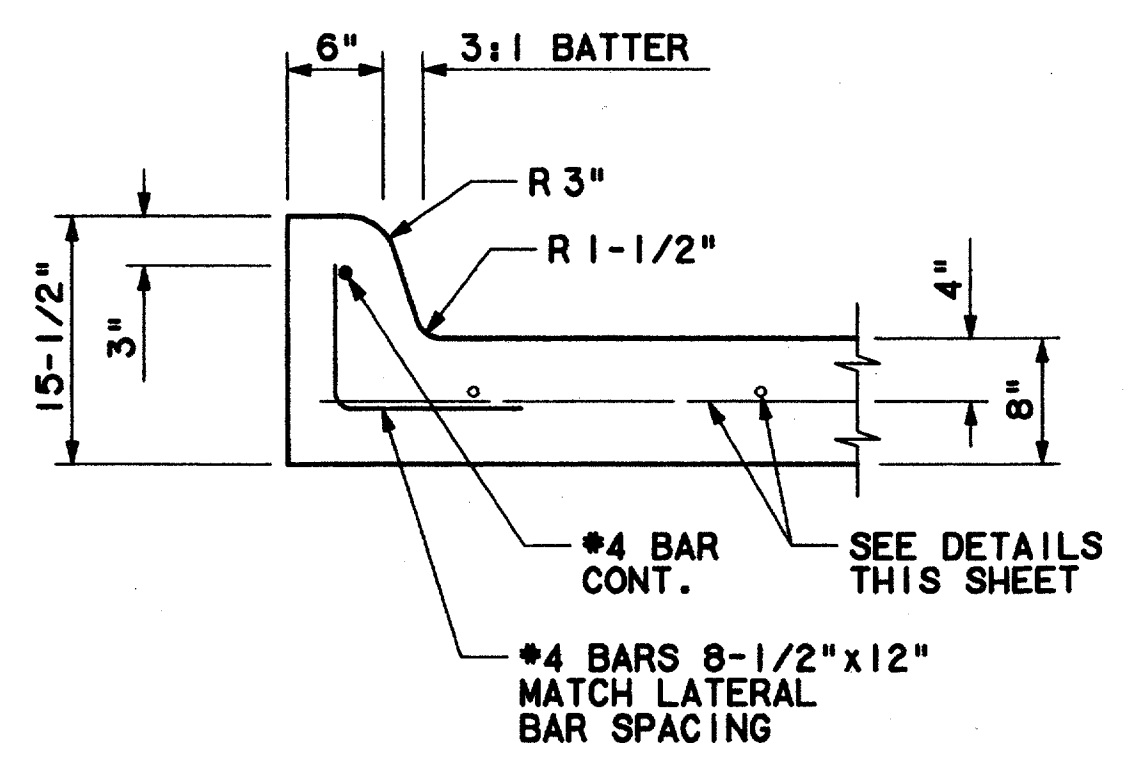
ADDISON TRANSIT CENTER		
CONTRACT	DWG No.	REV
C-97000136	CC6-0002	0

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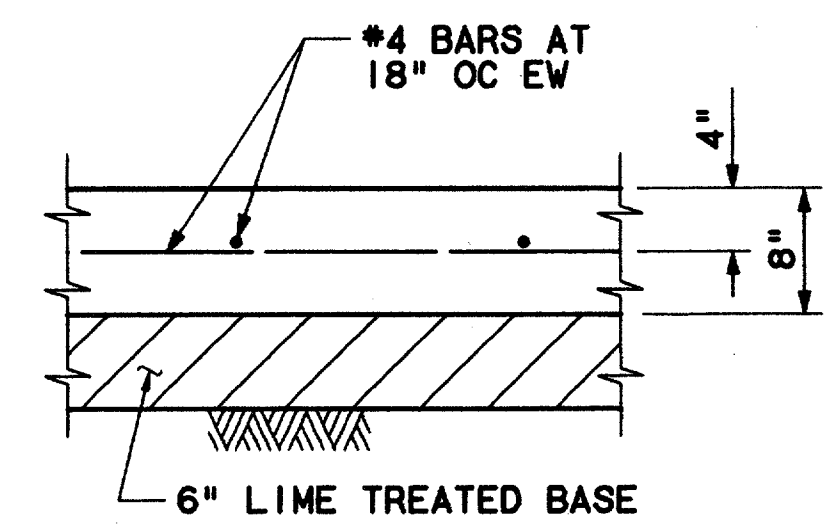
DWG No. CCG-0004



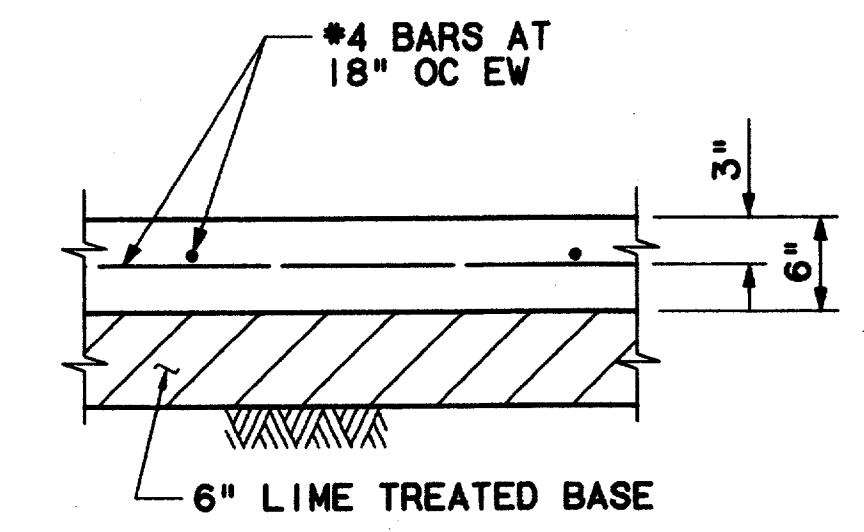
**6" CURB
 DETAIL**
 SCALE: 1"=1'-0" CC6-0003



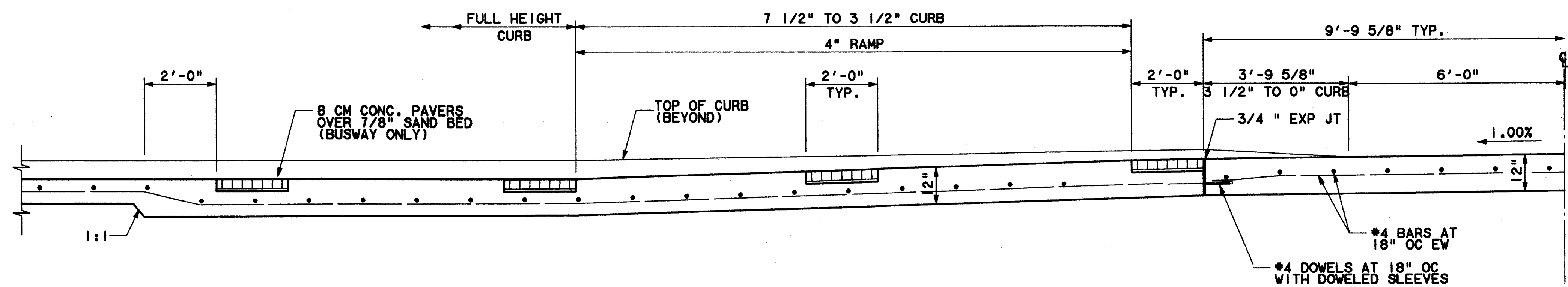
**7-1/2" CURB
 DETAIL**
 SCALE: 1"=1'-0" CC6-0003



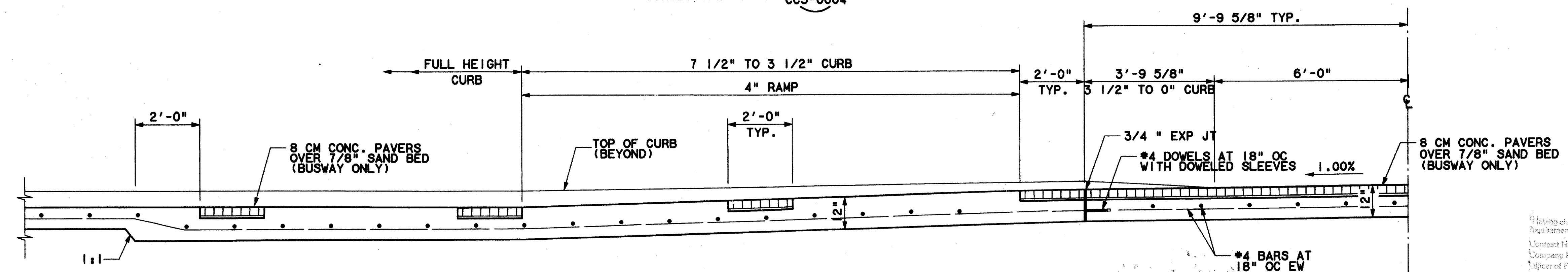
**BUSWAY
 PAVEMENT
 DETAIL**
 SCALE: 1"=1'-0" CC6-0003



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

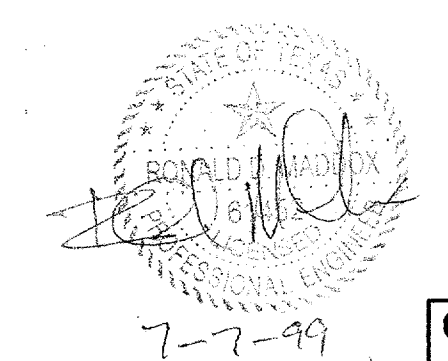


SECTION E
 SCALE: 1/2"=1'-0" CC5-0004



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

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
 Title of Firm Signature: TOM KADER
 Title of Officer (Type): PRESIDENT
 Seal of Professional Engineer of Construction Contractor, including signature
 and date, thereby sealing record (as-built) drawings for accuracy of as-built
 condition reflected herein, must be placed below.



CONFORMED
 CONTRACT SHEET No. 25 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

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

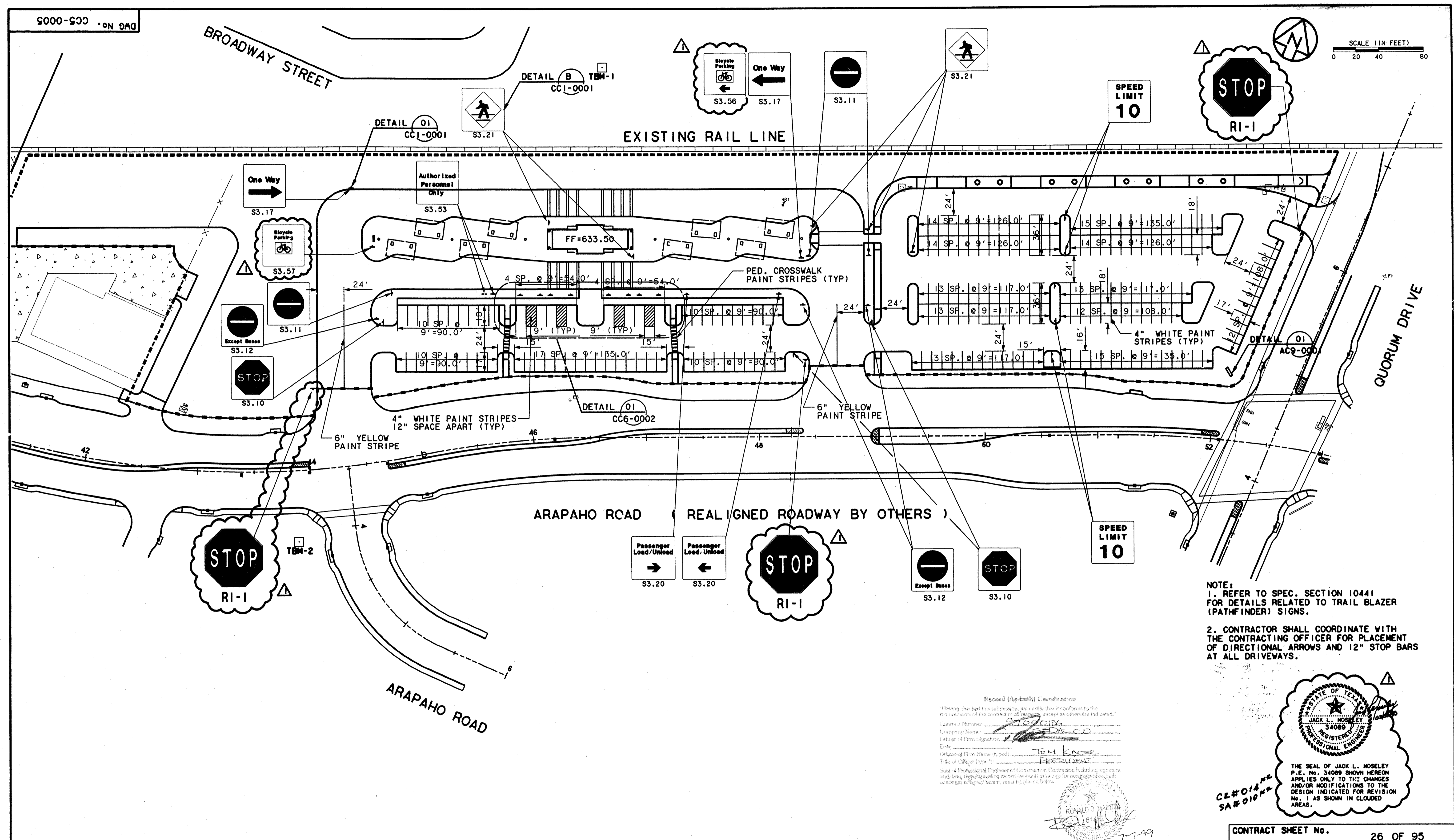
DART PROJECT

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

**ADDISON
 TRANSIT CENTER
 PAVEMENT SECTIONS**

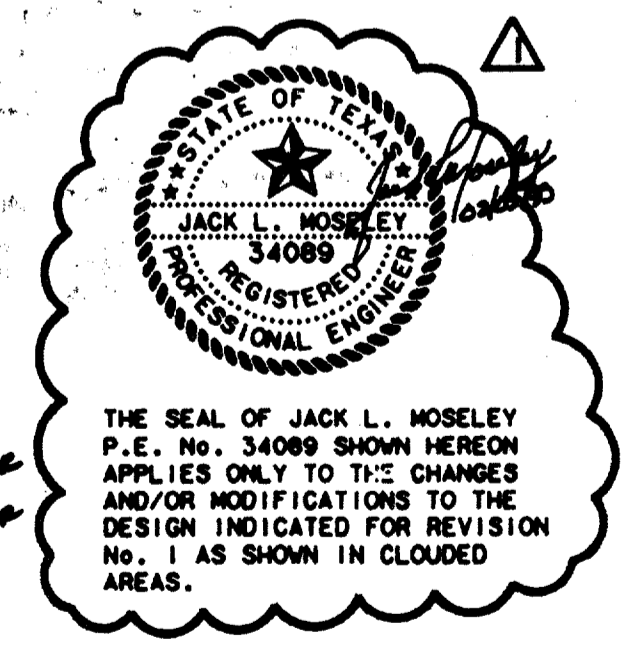
CONTRACT C-97000136
 DWG No. CCG-0004
 REV 0

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NOTE:
 1. REFER TO SPEC. SECTION 10441 FOR DETAILS RELATED TO TRAIL BLAZER (PATHFINDER) SIGNS.
 2. CONTRACTOR SHALL COORDINATE WITH THE CONTRACTING OFFICER FOR PLACEMENT OF DIRECTIONAL ARROWS AND 12" STOP BARS AT ALL DRIVEWAYS.

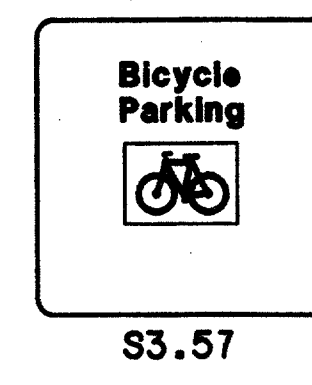
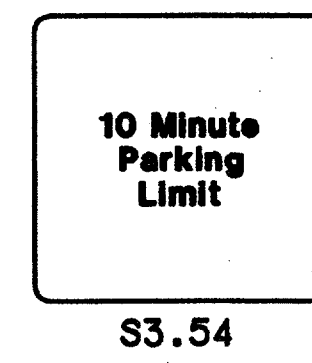
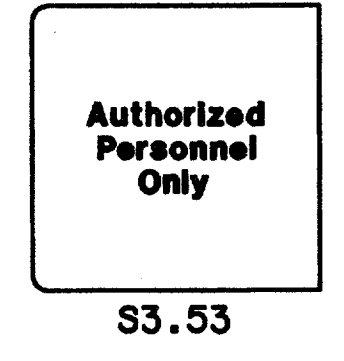
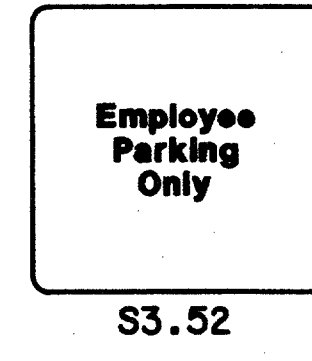
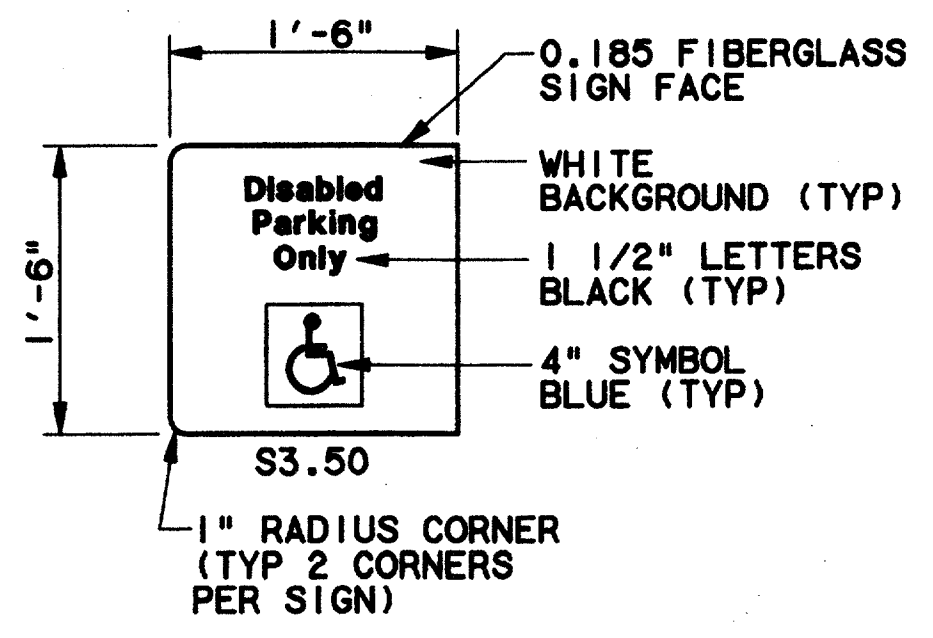
Record (As-Built) Certification
 Having checked this submission, we certify that it conforms to the requirements of the contract in all respects, except as otherwise indicated.
 Contract Number: 97000136
 Company Name: WLA
 Officer of Firm Signature: Tom Kader
 Title of Officer (Typed): PRESIDENT
 Date: 7-7-99
 Seal of Professional Engineer of Construction Contractor, including signature and title, together with the seal, must be placed below.



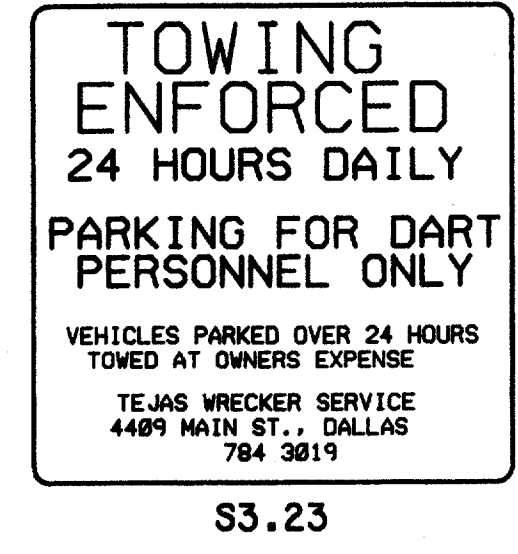
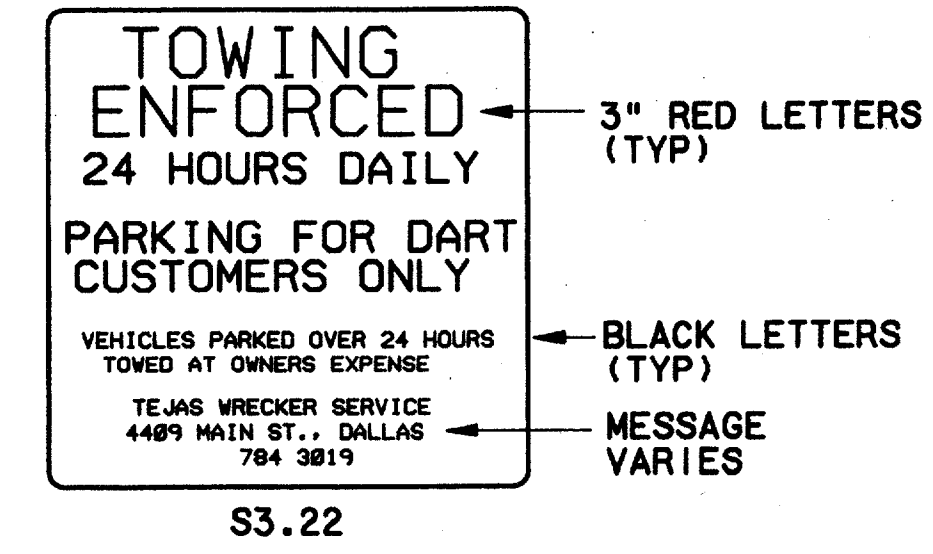
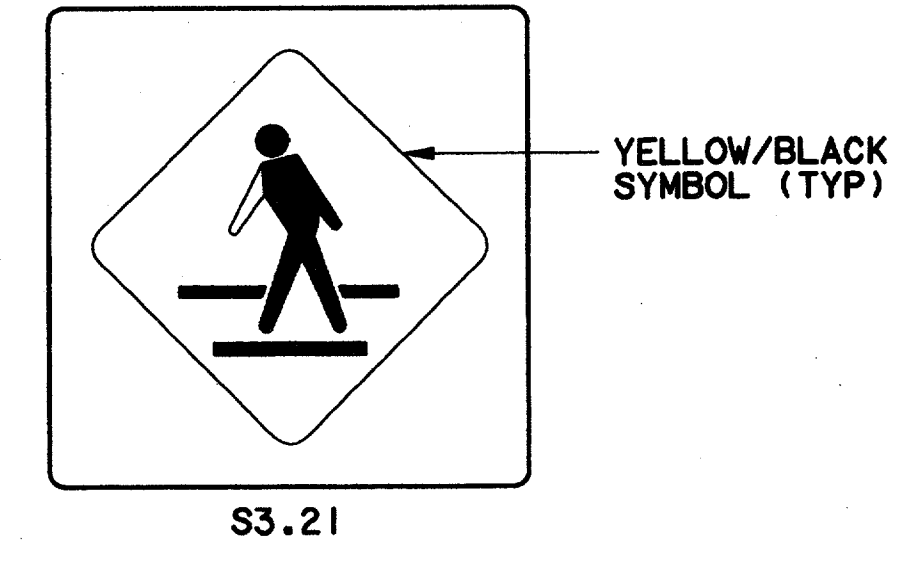
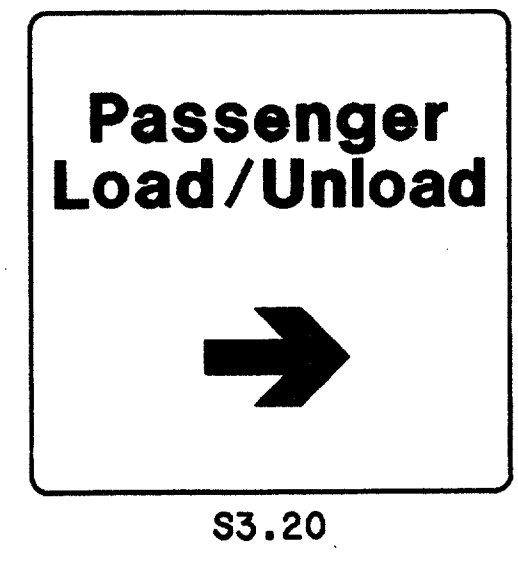
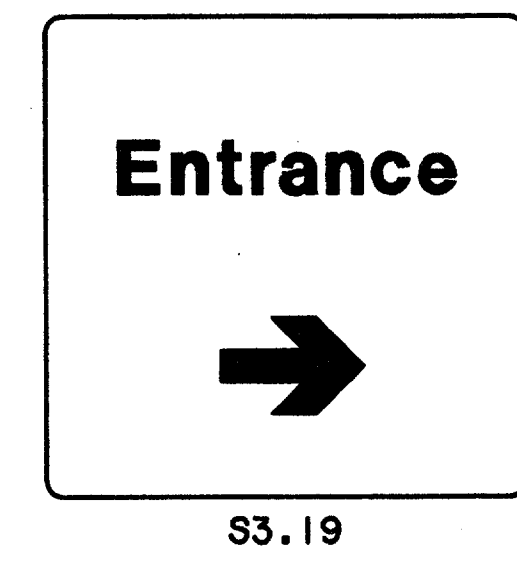
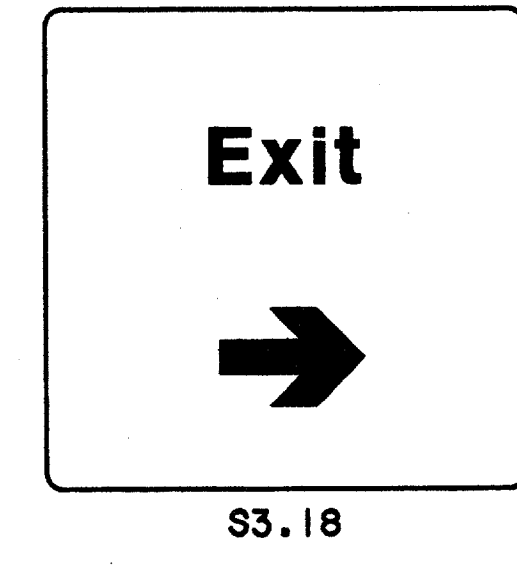
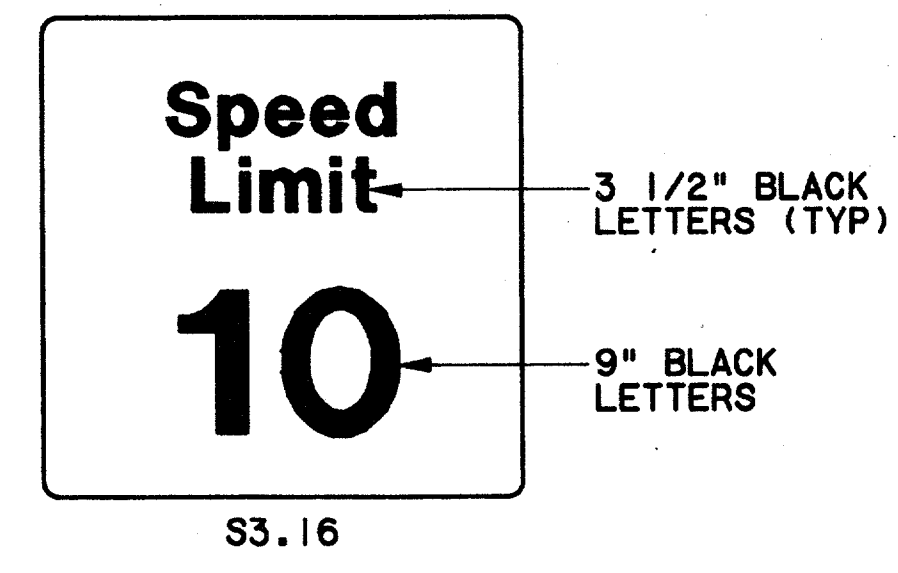
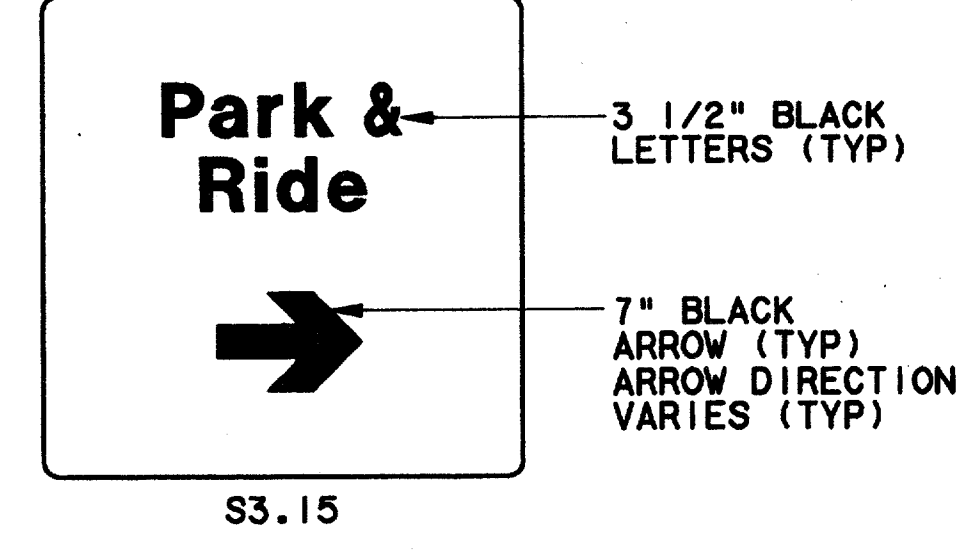
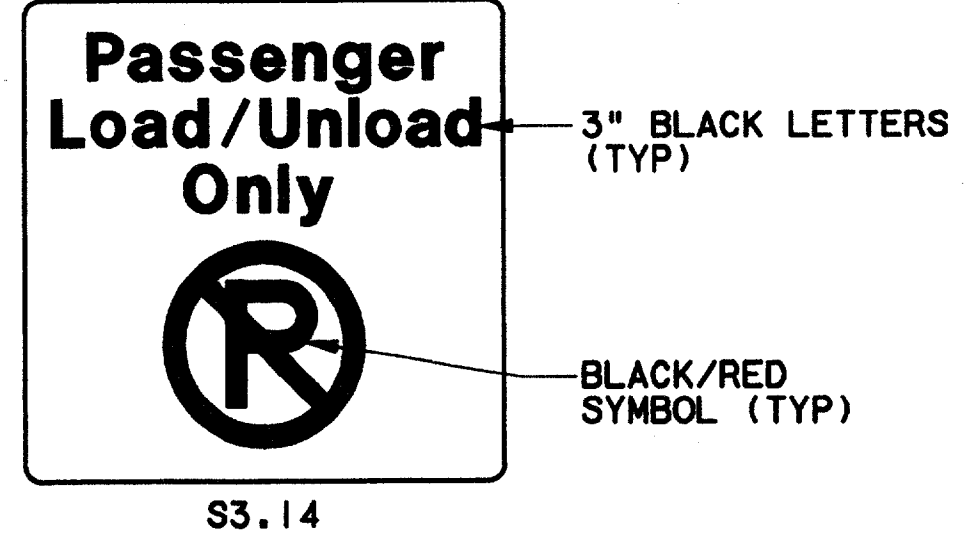
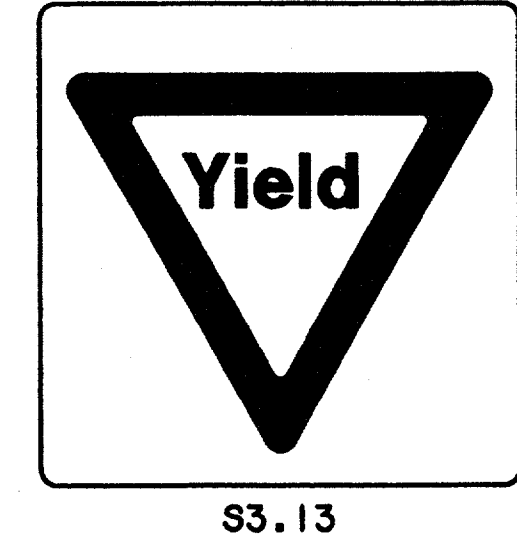
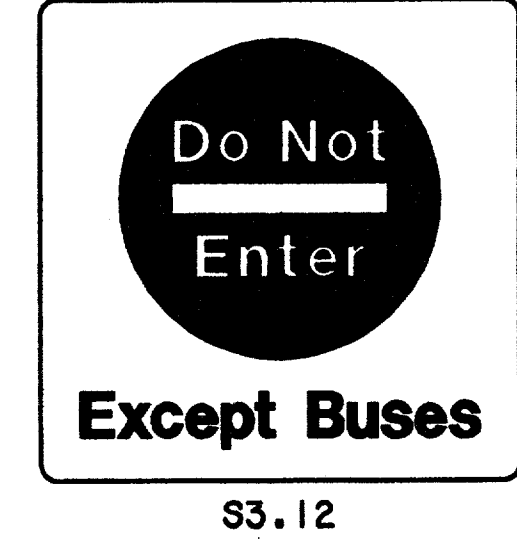
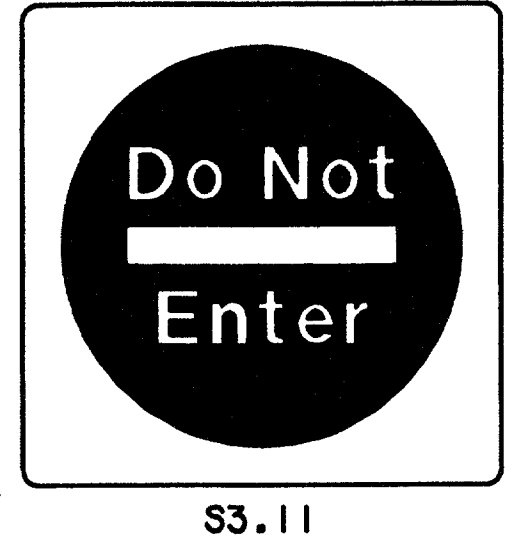
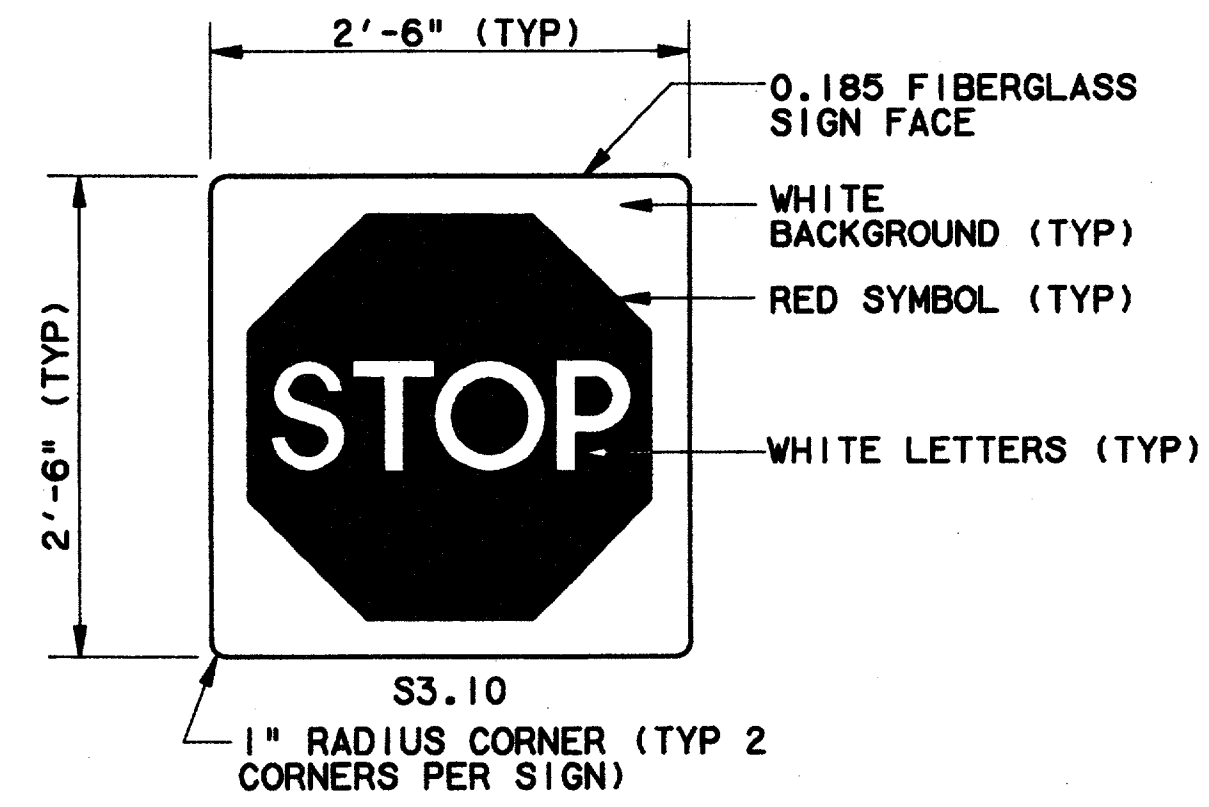
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REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP																																																																																																													
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DART.TBL
JAMES LANDRY

1000-133
ON 9A0



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



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

- 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.

Professional Engineer Seal
Tom Kader
President
7-7-99

CONFORMED

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 & NEWNAM
THE SWA GROUP
GERARD & ASSOCIATES
ZAXON

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING & SURVEYING & CONSTRUCTION SERVICES
105 MARKET CENTER BLVD - SUITE 300
DALLAS, TEXAS 75207
(214) 748-7777

DART PROJECT

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

SIGNAGE STANDARDS

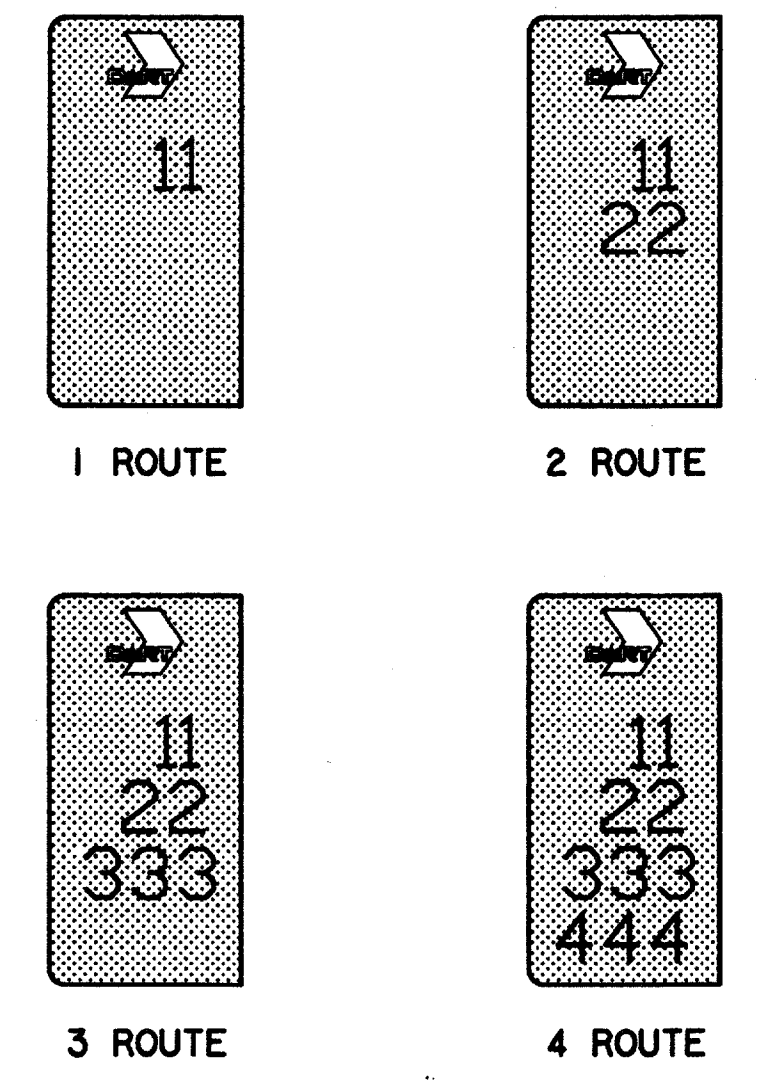
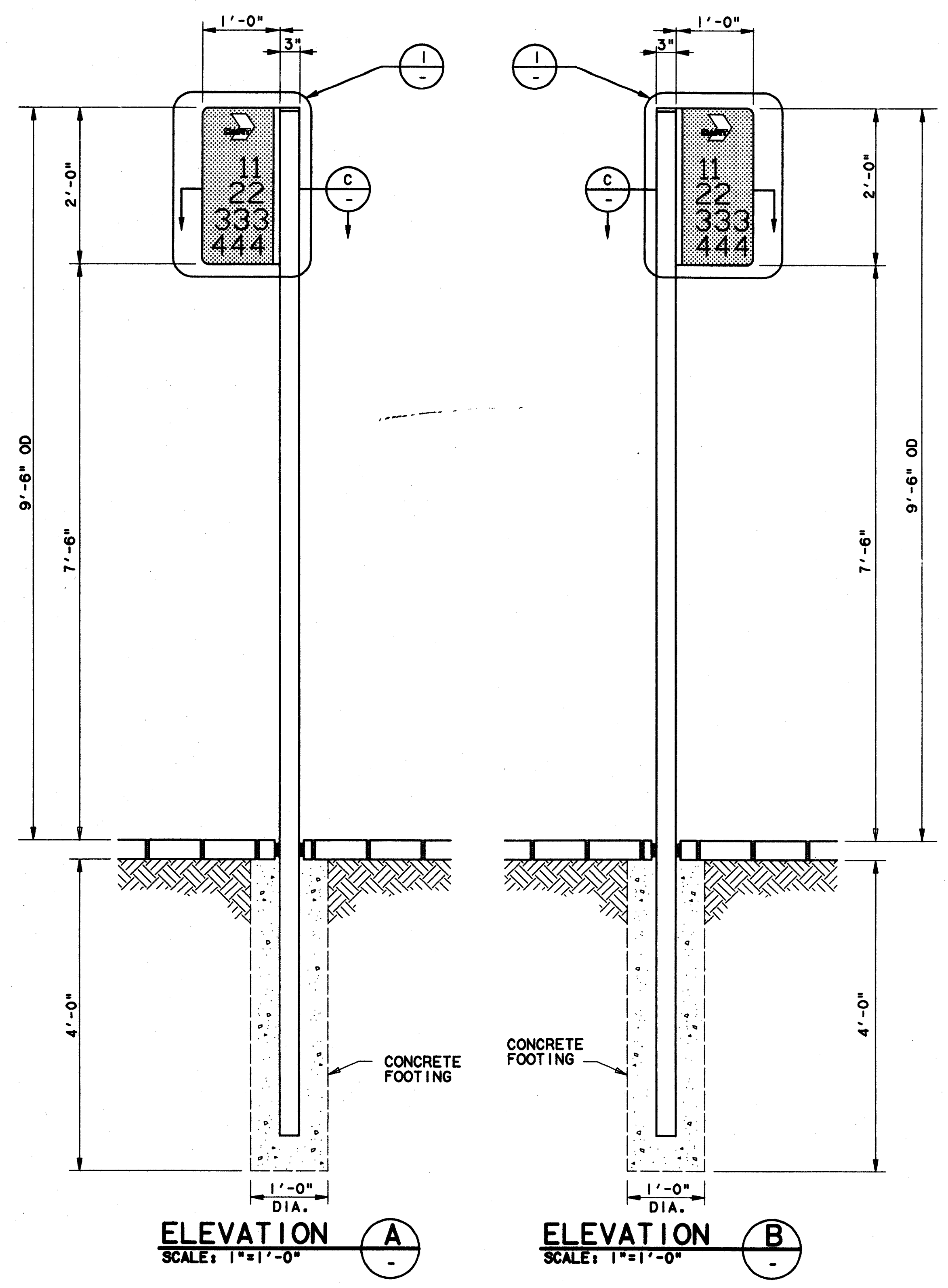
**SIGN TYPES S3.10 - S3.56
TRAFFIC CONTROL SIGNS
DETAILS**

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

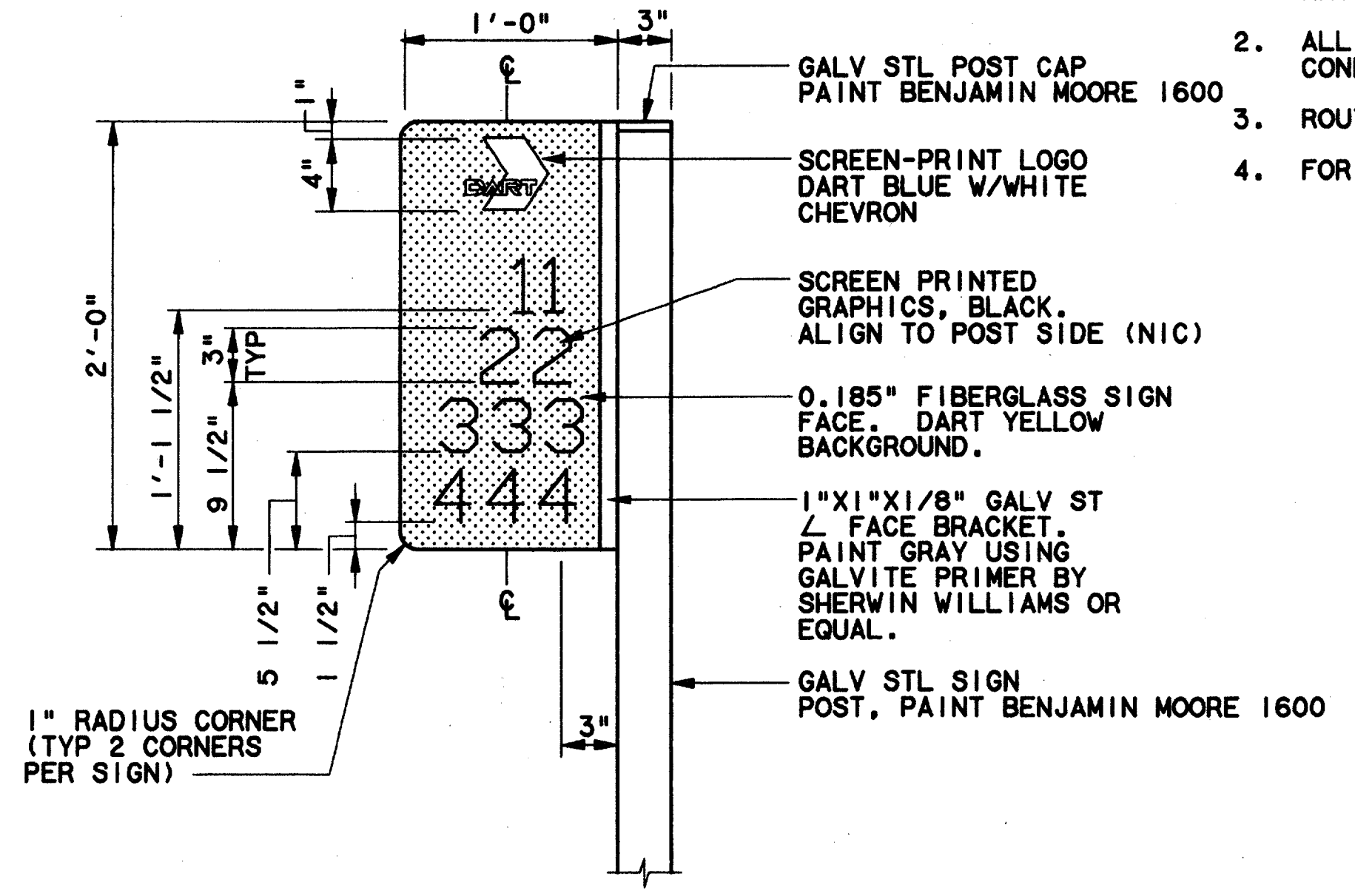
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13 AUG 97
DART - TBL
JAMES LANDRY

0000-6SV
ON GMD
DWG No.

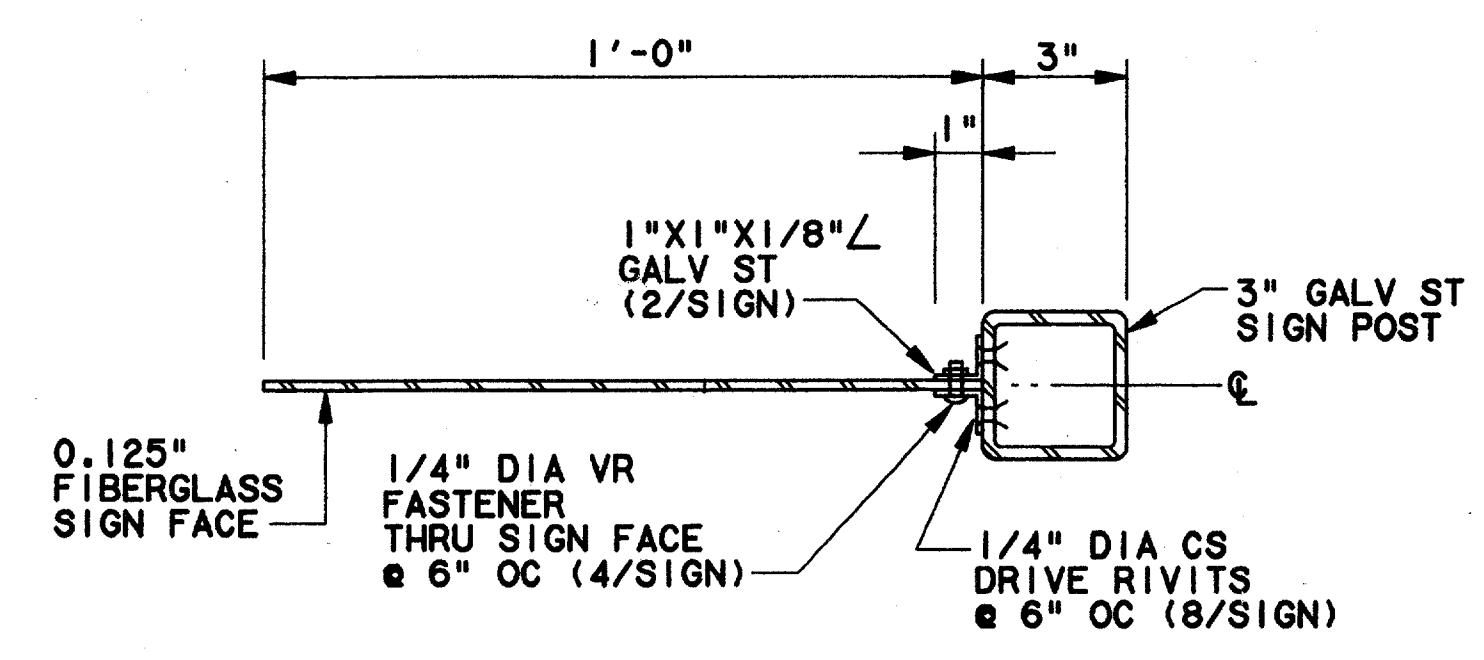
- GENERAL NOTES**
- REFER TO DART SIGN STANDARDS MANUAL FOR CORRECT FONTS, SPACING, SYMBOLS AND REPRODUCTION ART.
 - ALL S7.1 SIGNS ARE DOUBLE FACE CONFIGURATION.
 - ROUTE NUMBERS VARY.
 - FOR LOCATION, REFER DETAIL 3/CC6-0002



ELEVATION-SIGN FACE LAYOUTS
SCALE: 1"=1'-0"
AS9-0015

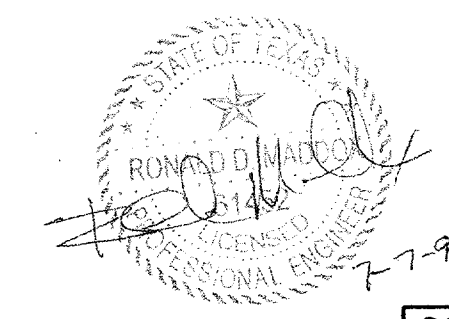


DETAIL
SCALE: 1 1/2"=1'-0"
AS9-0015



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

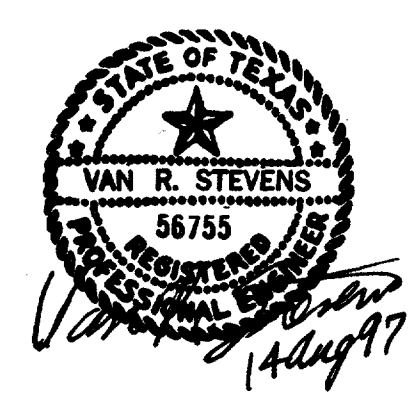
Record (As-built) Certificate
Having checked this submission, we certify that it complies with the requirements of the contract in all respects and is correct as shown.
Contract Number: AS9-0015
Company Name: Wendy Lopez & Associates, Inc.
Number of Firm Signatures: 1
Name: Tom Kader
Title: President
Date: 14 AUG 1997



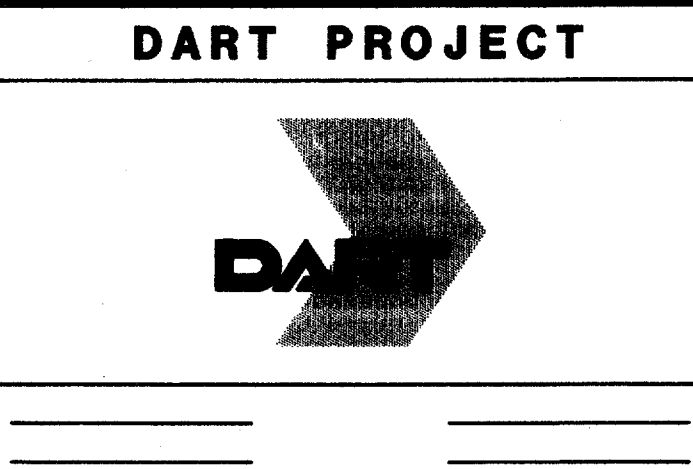
CONFORMED

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



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

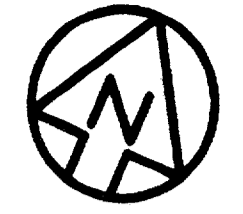
SIGNAGE STANDARDS
SIGN TYPE S7.1
FACILITY BUS STOP SIGN
ELEVATIONS, DETAILS, SECTIONS

CONTRACT C-97000136
DWG No. AC9-0003
REV 0

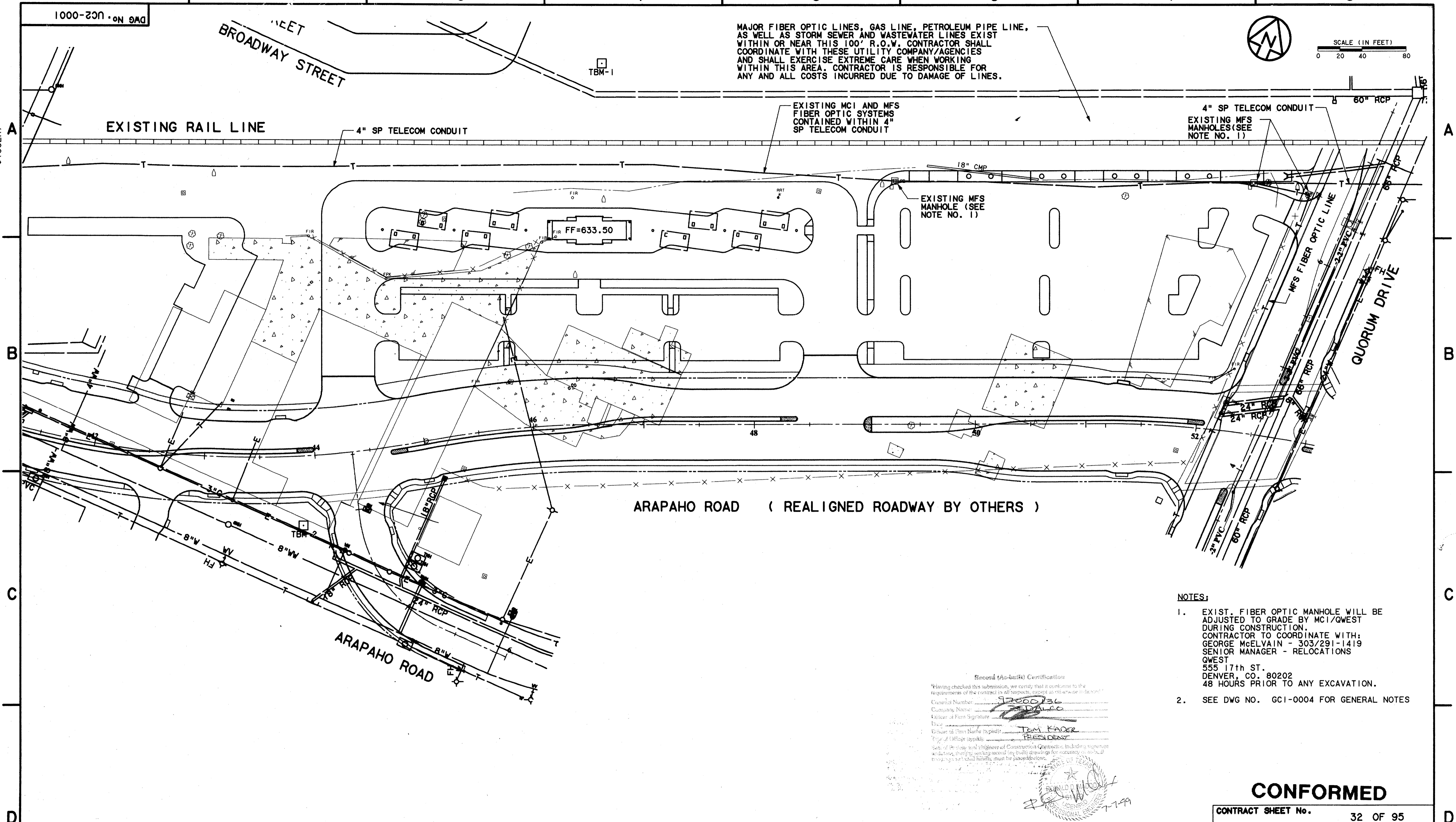
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 02 MAR 98
 DART.TBL
 \$(USER)

1000-200 UC2-0001

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



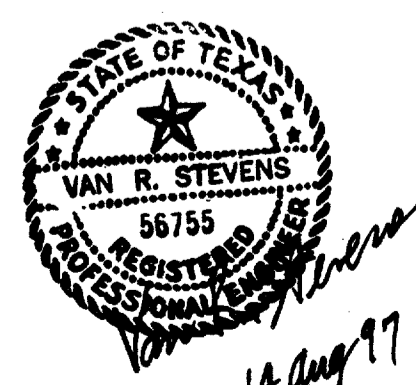
- NOTES:
- EXIST. FIBER OPTIC MANHOLE WILL BE ADJUSTED TO GRADE BY MCI/QWEST DURING CONSTRUCTION. CONTRACTOR TO COORDINATE WITH: GEORGE McELVAIN - 303/291-1419 SENIOR MANAGER - RELOCATIONS QWEST 555 17th ST. DENVER, CO. 80202 48 HOURS PRIOR TO ANY EXCAVATION.
 - SEE DWG NO. GC1-0004 FOR GENERAL NOTES

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: WLA
 Release of Firm Signature: [Signature]
 Title: [Signature]
 [Signature]
 [Signature]
 [Signature]
 [Signature]

CONFORMED

CONTRACT SHEET No. 32 OF 95

ADDISON
 TRANSIT CENTER
 EXISTING UTILITIES
 LAYOUT



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



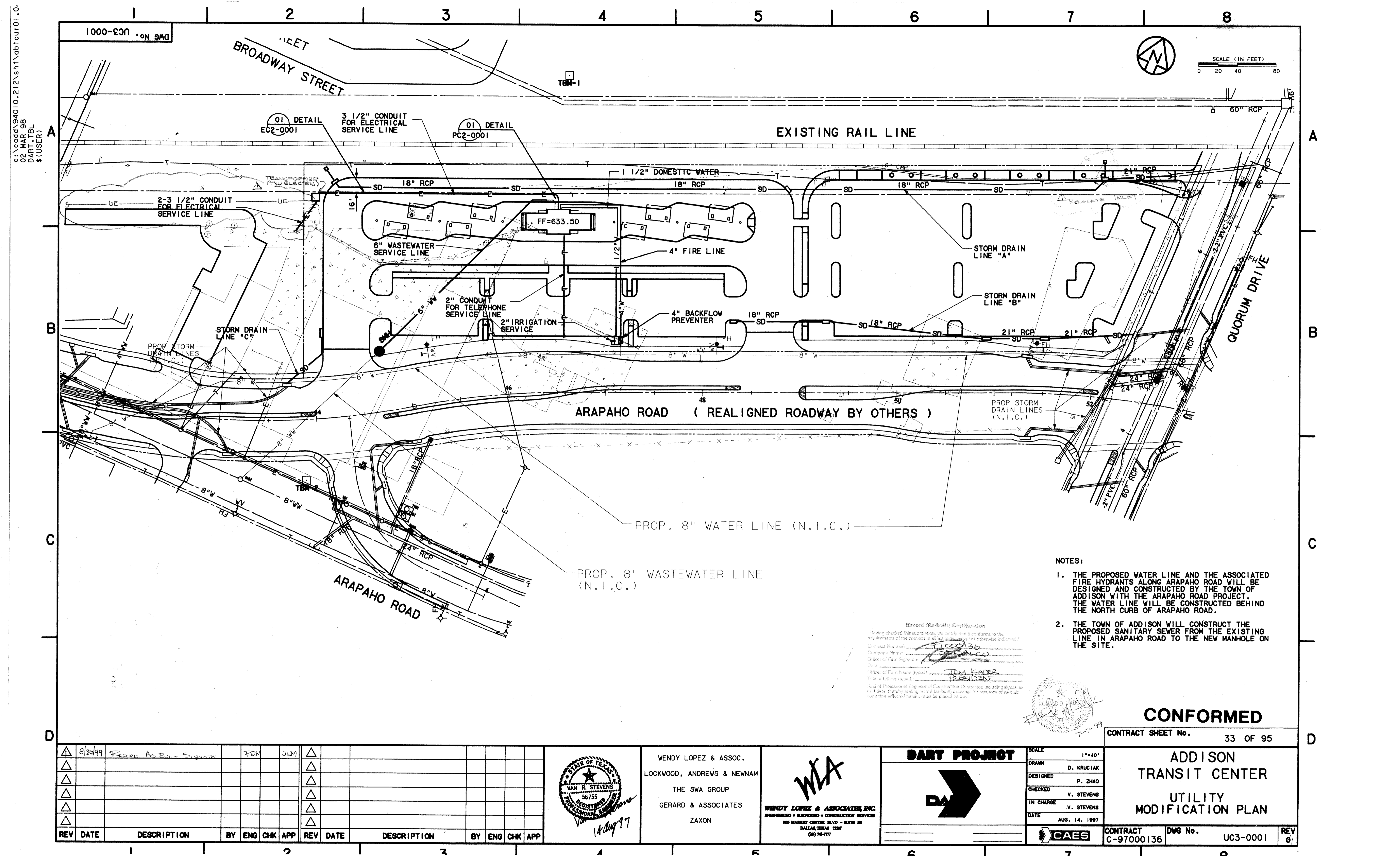
DART PROJECT



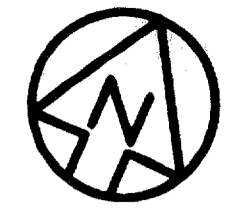
SCALE	1"=40'
DRAWN	D. KRUCIAK
DESIGNED	P. ZHAO
CHECKED	V. STEVENS
IN CHARGE	V. STEVENS
DATE	AUG. 14, 1997

CONTRACT C-97000136 DWG No. UC2-0001 REV 0

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
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 02 MAR 98
 DART.TBL
 \$(USER)



SCALE (IN FEET)
 0 20 40 80

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.

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."
 Control Number: 9700136
 Company Name: BECALCO
 Officer of Firm Signature: *[Signature]*
 Date: 7/27/99
 Title of Officer (if any): TOM KADER, PRESIDENT
 As a Professional Engineer of Construction Consultant, including signature and title, thereby attesting to the accuracy of the drawings for accuracy of as-built construction reflected herein, must be placed below.

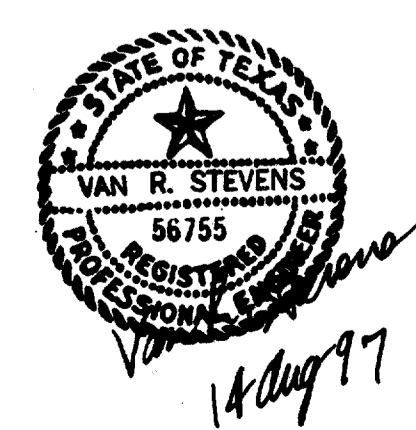


CONFORMED

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
△	8/30/99	Record As-Built Signature	JDM	JLM									
△													
△													
△													
△													
△													



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



DART PROJECT



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 01

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13 AUG 97
DART.TBL
JAMES LANDRY

2000-002 UC3-0002

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 1/2" DOMESTIC
WATER SERVICE

N 4922.3950
E 4466.8300
PI 4" FIRE LINE

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

PROP.
1-8"x45° BEND
(N.I.C.)

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

PROPOSED STORM
DRAINS
(N.I.C.)

6" WASTEWATER
SERVICE LINE @ 2.00%

01 DETAIL UC1-0001

ARAPAHO ROAD (REALIGNED ROADWAY BY OTHERS)

ARAPAHO ROAD

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

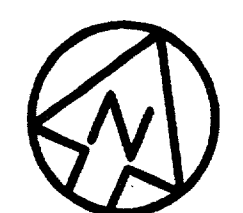
PROP.
1-24"x8" TAPPING SLEEVE
& 8" VALVE
CONNECT TO EXISTING
24" WATER LINE
(N.I.C.)

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

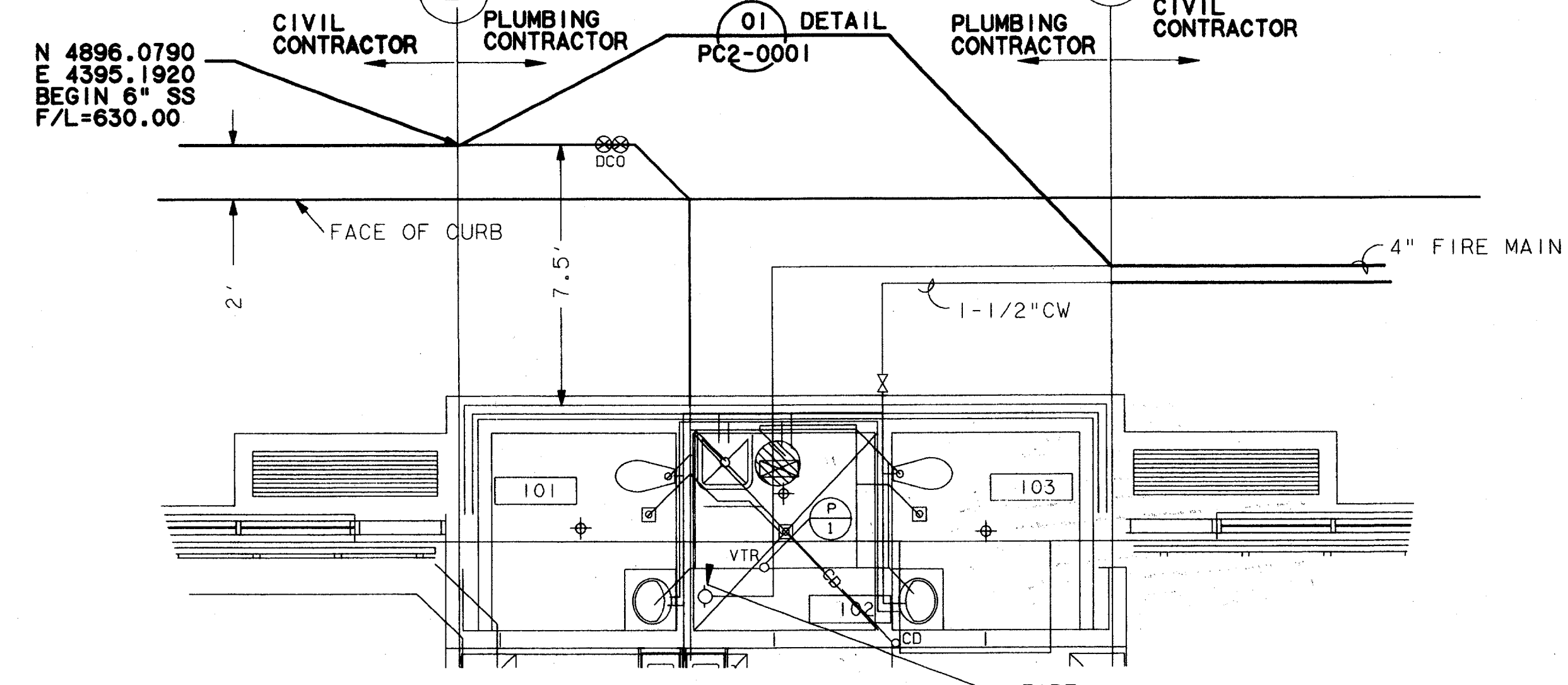
PROP.
CONNECT TO EXISTING
WASTEWATER MANHOLE
W/ NEW 8" WW
FL 623.00 (PROP.)
(N.I.C.)

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

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



SCALE (IN FEET)
0 20 40 80



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

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

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

Record (As-built) Certification
"Having checked this as-built, we certify that it conforms to the requirements of the contract or all applicable codes, except as otherwise indicated."
Contract Number: 17000136
Company Name: SEDALLO
Name of Firm: JEM KADER
Title of Officer: PRESIDENT
Date: 14 Aug 97
Seal of Professional Engineer of Construction Contractor, including signature and date. (Number sealing record (as built) drawings for accuracy of all built conditions reflected herein, must be original seal.)

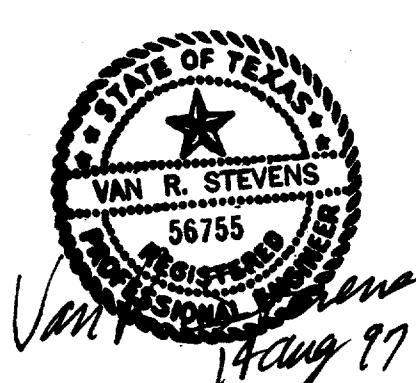


DETAIL 01
SCALE: 1/4"=1'-0" UC3-0003

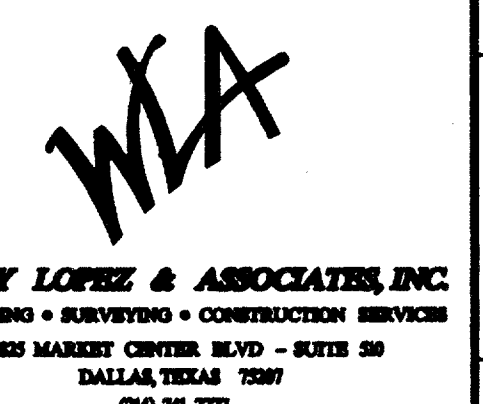
CONFORMED

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



DART PROJECT



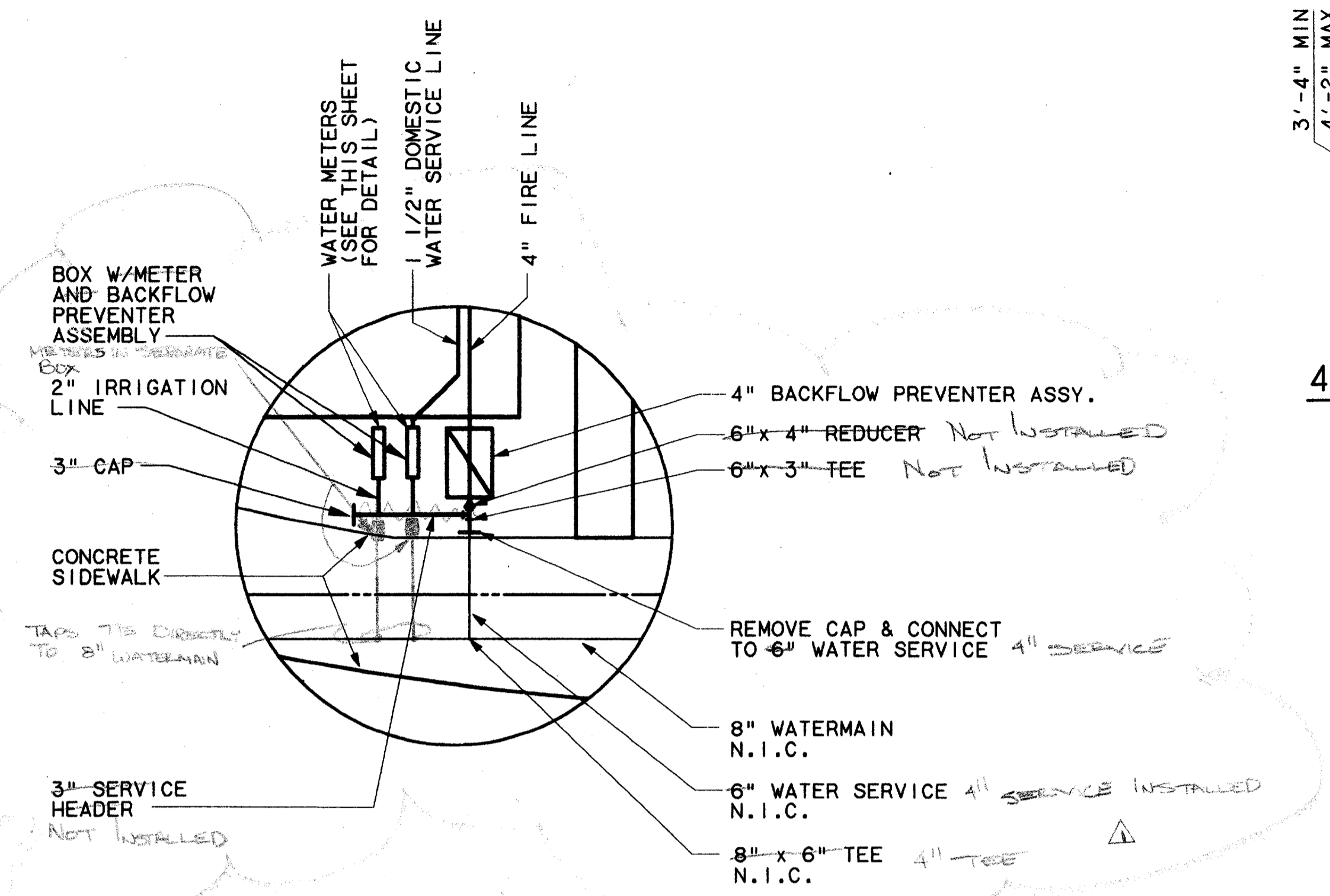
SCALE 1"=40'
DRAWN D. KRUCIAK
DESIGNED P. ZHAO
CHECKED V. STEVENS
IN CHARGE V. STEVENS
DATE 14 AUG. 1997

ADDISON
TRANSIT CENTER
WATER/WASTEWATER
PLAN

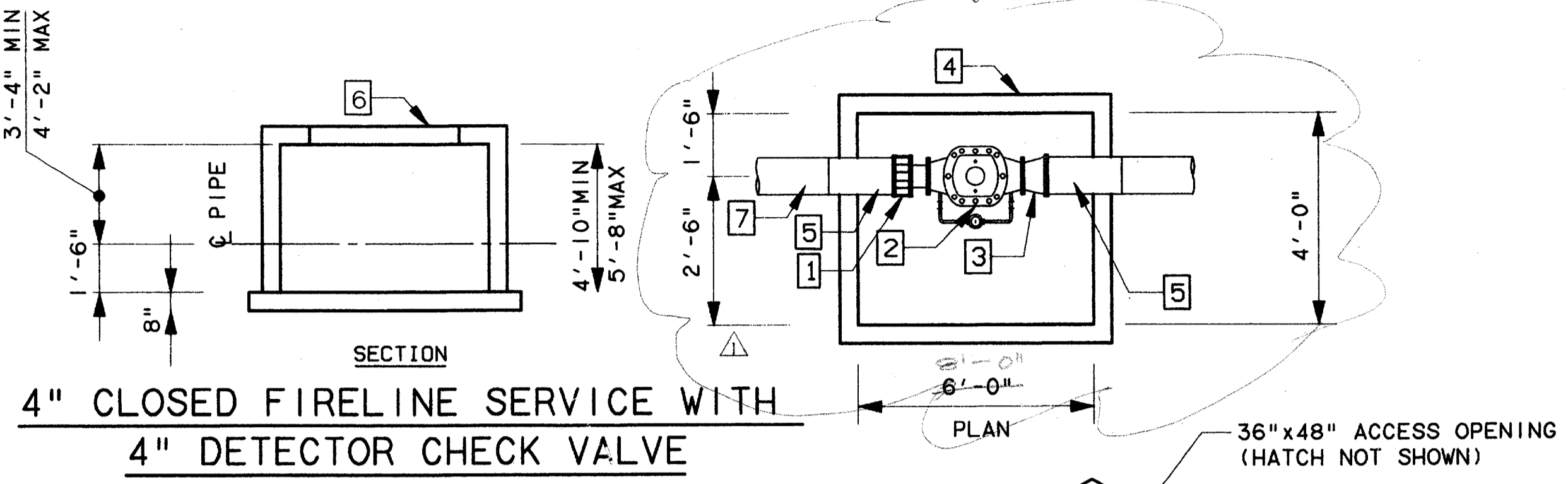
CONTRACT C-97000136 DWG No. UC3-0002 REV 0

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13 AUG 97
DART.TBL
JAMES LANDRY

1000-100 ON DWG



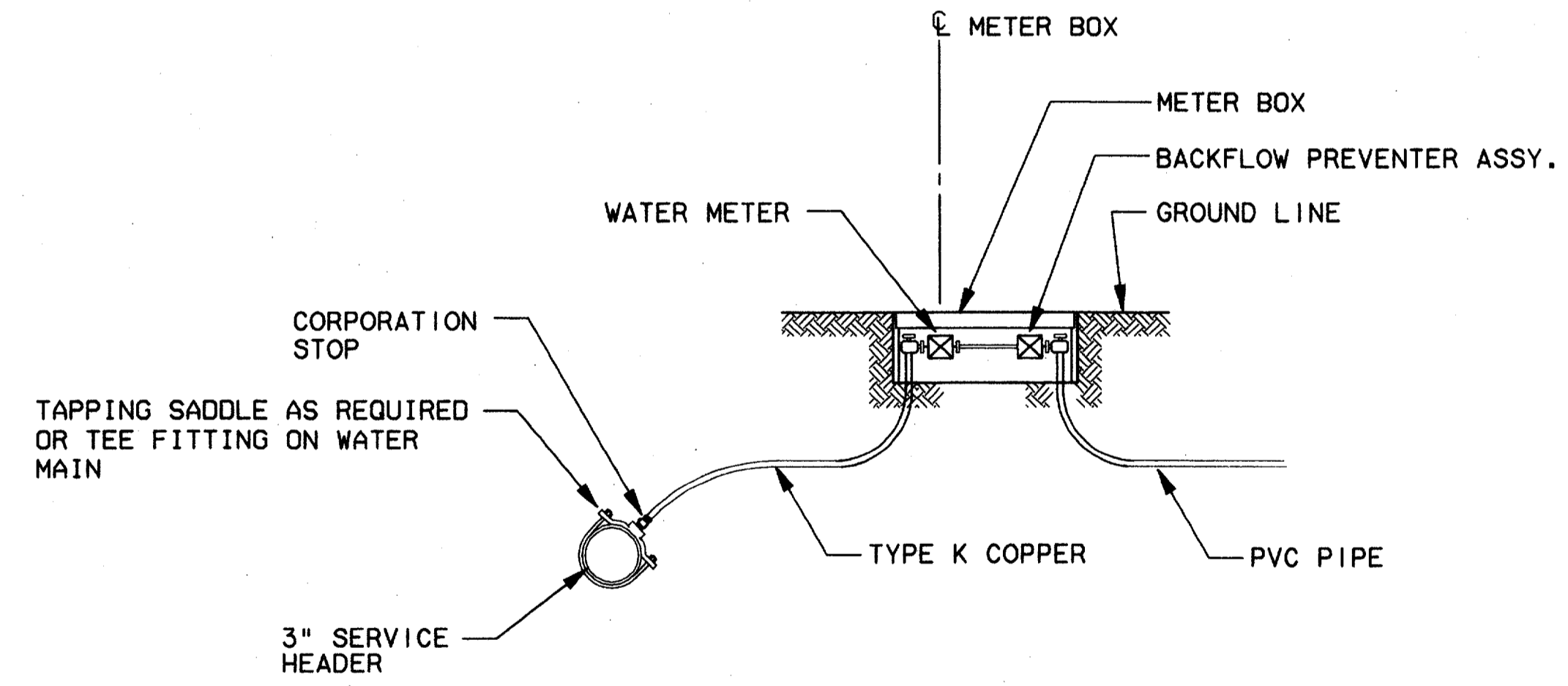
DETAIL 01
N.T.S. UC3-0002



- 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.

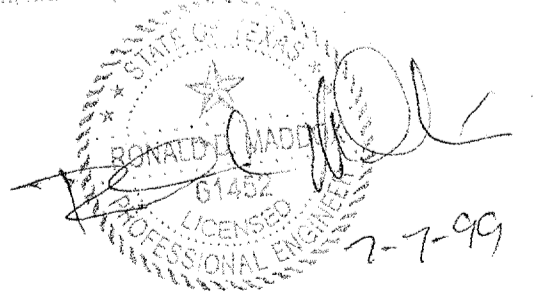


WATER SERVICE DETAIL
N.T.S.

NOTES:

1. 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.
2. 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.
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.
4. ALL INSTALLATIONS MUST COMPLY WITH TOWN OF ADDISON CODE OF ORDINANCE, SECTION 18-94, INSTALLATION OF CHECK VALVES.
5. METER AND VALVE BOXES MUST BE LARGE ENOUGH TO ACCOMMODATE FUTURE TESTING, REPAIRS, ETC. AND COMPLY WITH TOWN OF ADDISON CODE OF ORDINANCE.

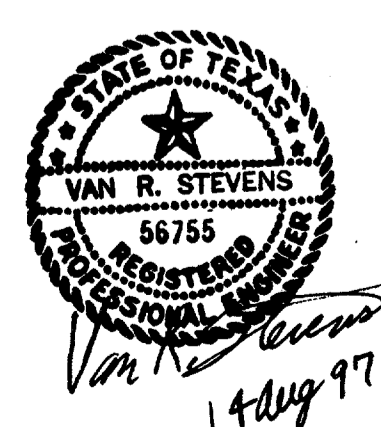
Record (As-Built) Certification
Having checked this submission, we certify that it conforms to the requirements of the contract in all respects except as otherwise indicated.
Contract Number: 97000136
Company Name: WEA
Official Firm Signature: [Signature]
Name: Tom Kader
Title: President
Date: 7-7-99
Seal of Professional Engineer of Construction Contractor, including signature and date, through sealing record (as-built) drawings for accuracy of as-built condition indicated herein, must be placed below.



CONFORMED

CONTRACT SHEET No. 35 OF 95

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



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

WEA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
205 MARKET CENTER BLVD - SUITE 300
DALLAS, TEXAS 75207
(214) 741-7777

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
UTILITY STANDARD
DETAILS

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

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 18 AUG 97
 DART.TBL
 \$(USER)

1000-200 ON GMD

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:

- TEMPORARY SEEDING
- PERMANENT PLANTING, SODDING, OR SEEDING
- MULCHING
- SOIL RETENTION BLANKET
- BUFFER ZONE
- 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:

- SILT FENCES
- HAY BALES
- ROCK BERMS
- DIVERSION, INTERCEPTOR, OR PERIMETER DIKES
- DIVERSION, INTERCEPTOR, OR PERIMETER SWALES
- DIVERSION DIKE AND SWALE COMBINATIONS
- PIPE SLOPE DRAINS
- PAVED FLUMES
- ROCK BEDDING AT CONSTRUCTION EXIT
- TIMBER MATTING AT CONSTRUCTION EXIT
- CHANNEL LINERS
- SEDIMENT TRAPS
- SEDIMENT BASIN
- STORM INLET SEDIMENT TRAP
- STONE OUTLET STRUCTURES
- CURBS AND GUTTERS
- 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, OR AS SPECIFICALLY SHOWN ON THE DRAWINGS.
2. DIVERSION, INTERCEPTOR, OR PERIMETER DIKES AND/OR SWALES SHALL BE INSTALLED AT THE DIRECTION OF THE DART ENGINEER, OR AS SPECIFICALLY SHOWN ON THE DRAWINGS.
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 1 OF THE PROJECT TO SUBGRADE. TEMPORARILY SEED OR MULCH THE DISTURBED AREAS IN STAGE 1 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 1 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
- EXCESS DIRT ON ROAD REMOVED DAILY
- STABILIZED CONSTRUCTION ENTRANCE

OTHER:

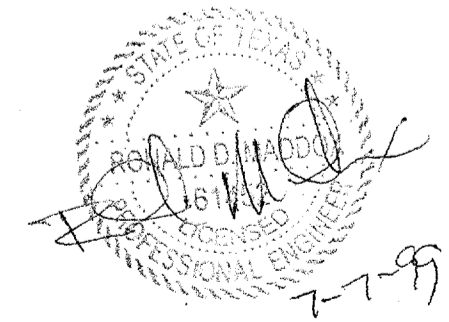
DISPOSAL AREAS, STOCKPILES, AND HAUL ROADS SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE AND CONTROL THE AMOUNT OF SEDIMENT THAT MAY ENTER RECEIVING WATERS. DISPOSAL AREAS SHALL NOT BE LOCATED IN ANY WETLAND, WATERBODY, OR STREAMBED. CONSTRUCTION STAGING AREAS, AND HAUL ROADS SHALL BE CONSTRUCTED 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.

Record (As-built) Certification

I hereby certify that the submission, as prepared by the contractor, is a true and correct copy of the original drawings and specifications for the project described herein. I have checked the submission, and certify that it conforms to the requirements of the contract as amended by all approved change orders indicated.

Contract Number: 97000136
 Company Name: WEA
 Title of Firm: President
 Title of Officer: JIM KADER
 Title of Officer (typed): JIM KADER
 Title of Officer (typed): PRESIDENT

Sent of Professional Engineer of Construction Contract, including signature and date, thereby sealing record (as-built) drawings for accuracy. If as-built drawings reflected herein, must be placed below.



CONFORMED

CONTRACT SHEET No. 36 OF 95

ADDISON
 TRANSIT CENTER
 SWPPP GENERAL
 NOTES

CONTRACT C-97000136 DWG No. OC2-0001 REV 0

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 75207
 (214) 742-7777

DART PROJECT

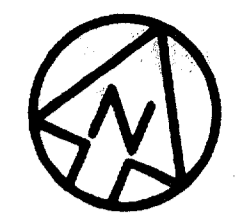


SCALE	N.T.S.
DRAWN	D. KRUCIAK
DESIGNED	P. ZHAO
CHECKED	V. STEVENS
IN CHARGE	V. STEVENS
DATE	AUG. 14, 1997

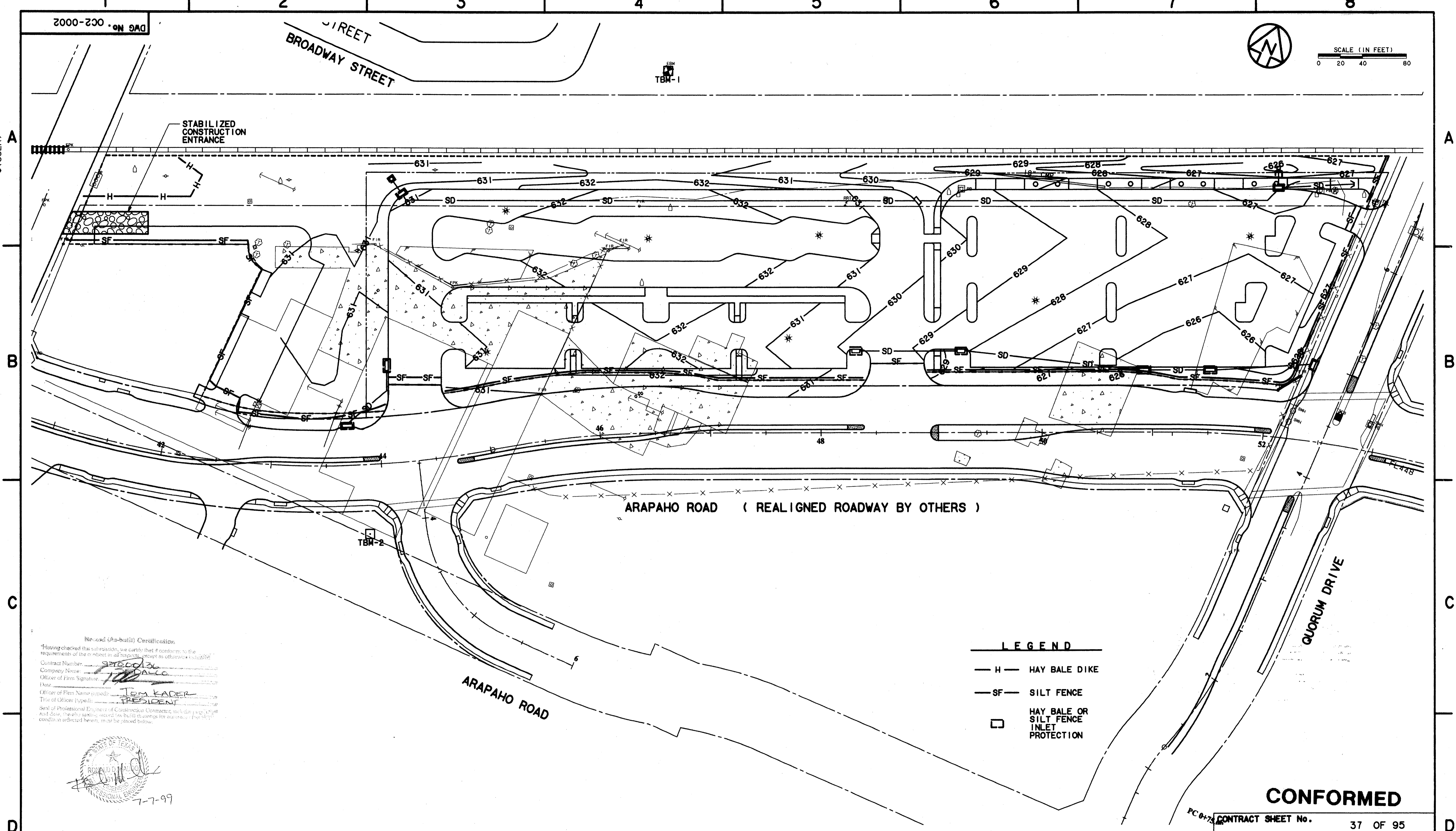


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SCALE (IN FEET)
 0 20 40 80



ARAPAHO ROAD (REALIGNED ROADWAY BY OTHERS)

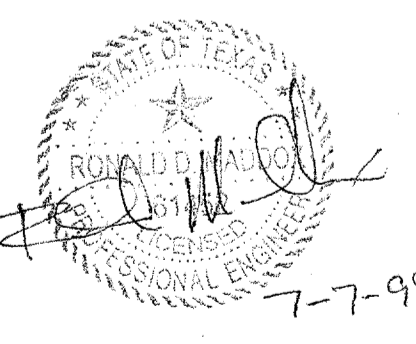
ARAPAHO ROAD

QUORUM DRIVE

LEGEND

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

Record (As-built) Certifications
 Having checked this submission, we certify that it conforms to the requirements of the contract in all respects, except as otherwise indicated.
 Contract Number: SP200136
 Company Name: W&A
 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 Contract, State of Texas, No. 46814 and date thereof, reading record (as-built) drawings for assurance. If not in condition reflected herein, it may be placed below.



CONFORMED

CONTRACT SHEET No. 37 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
 180 MARKET CENTER BLVD - SUITE 200
 DALLAS, TEXAS 75207
 (214) 748-7777

DART PROJECT

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

ADDISON TRANSIT CENTER
SWPPP DEVICE LAYOUT PLAN

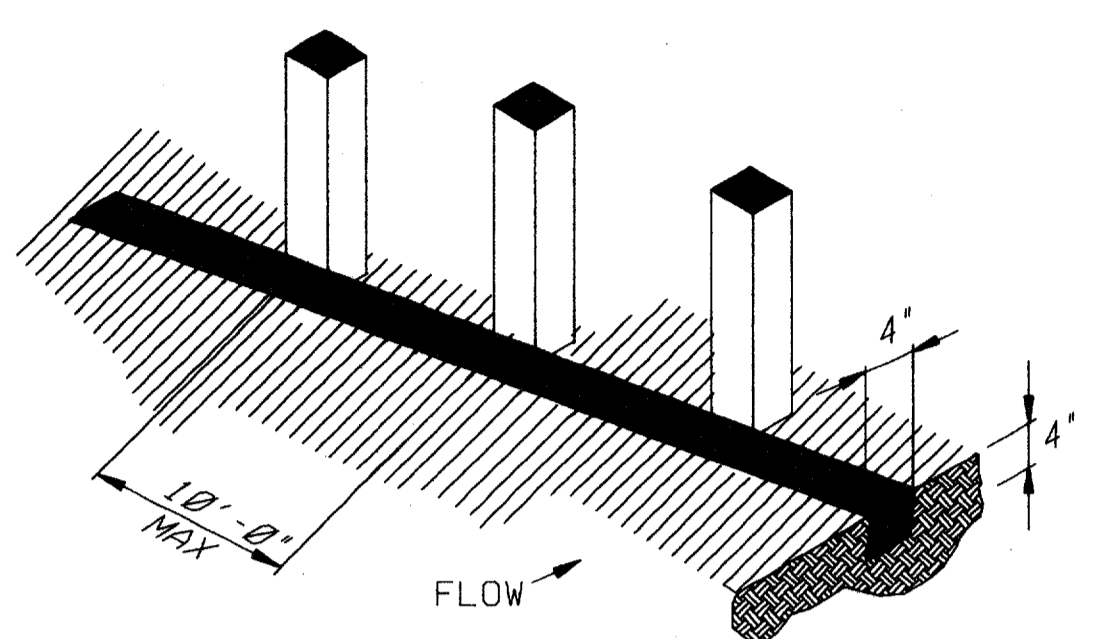
	CONTRACT C-97000136	DWG No. OC2-0002	REV 0
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13 AUG 97
DART.TBL
JAMES LANDRY

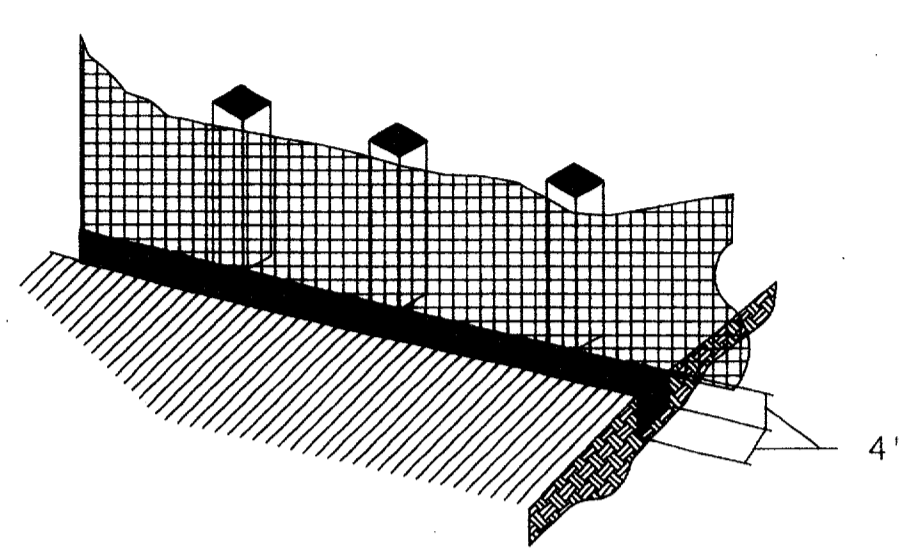
DWG No. OC2-0003

REINFORCED FILTER FABRIC BARRIER

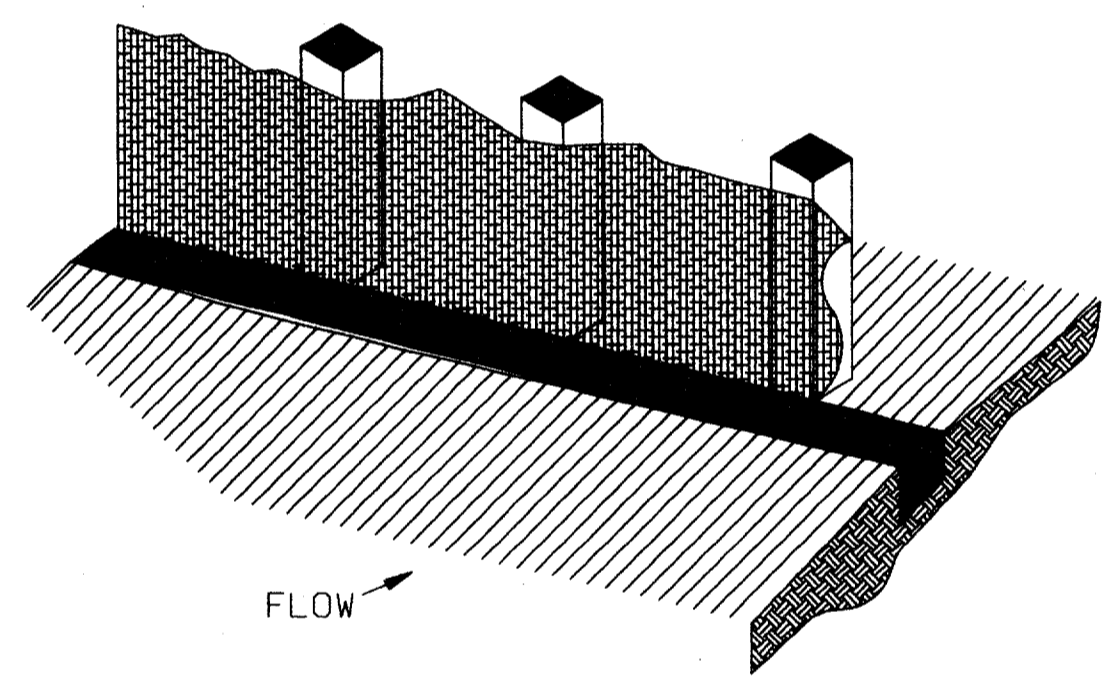
1. SET POSTS AND EXCAVATE 4" X 4" TRENCH UPSLOPE ALONG LINE OF POSTS.



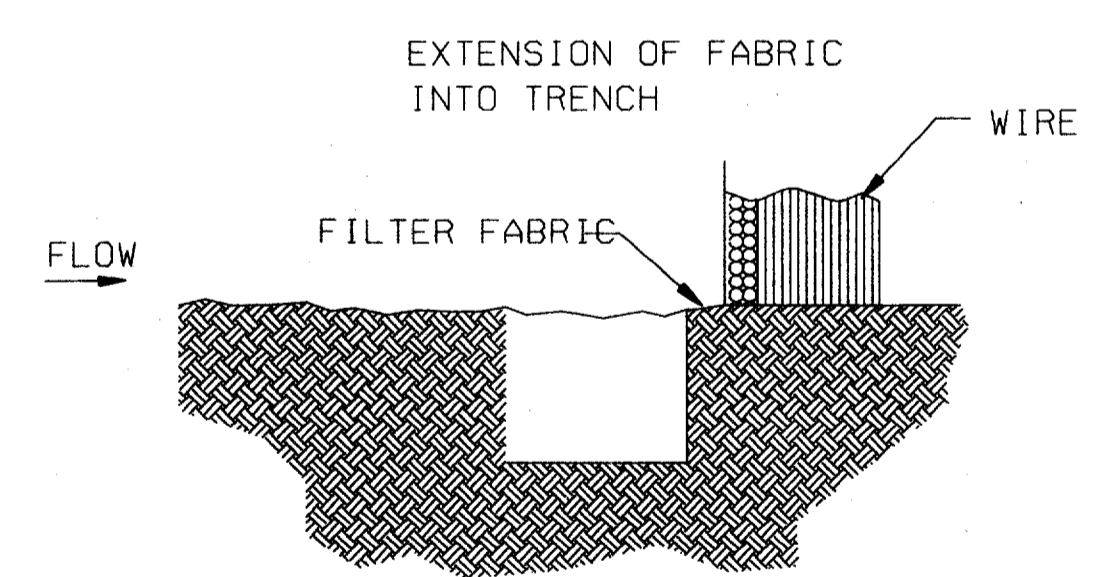
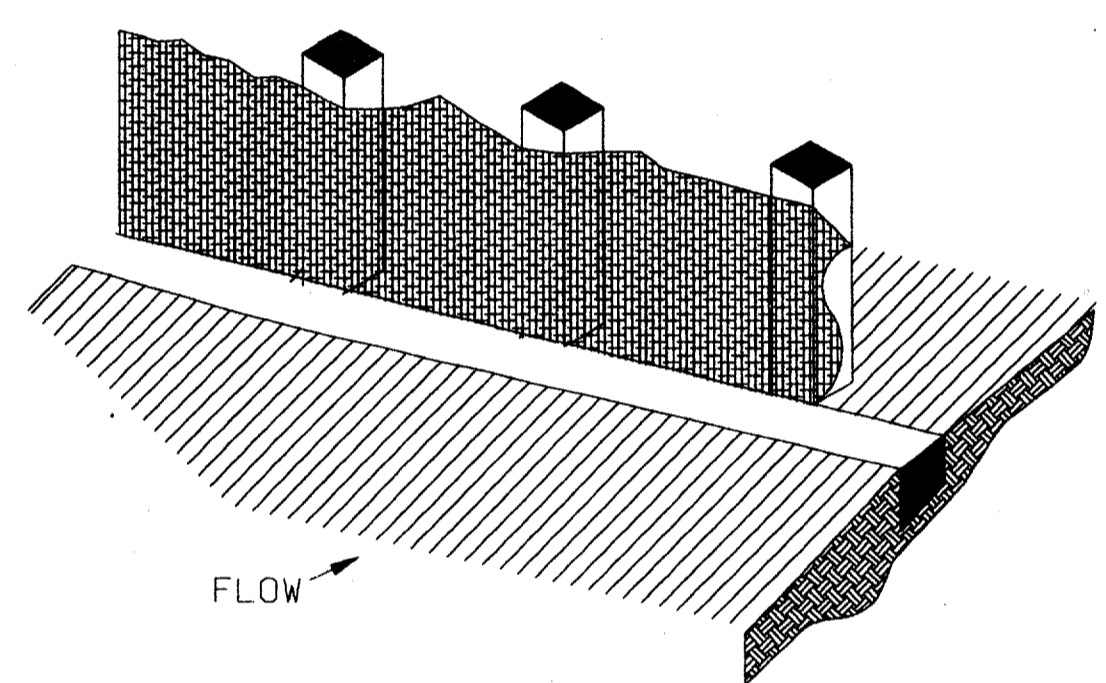
2. SECURE WIRE FENCING TO POSTS.



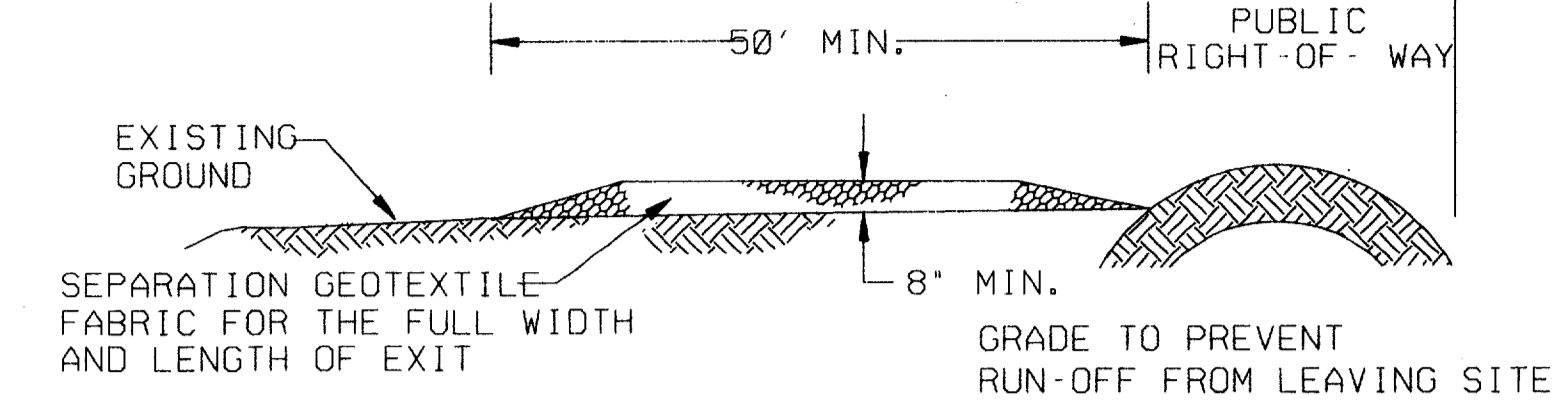
3. ATTACH FILTER MATERIAL TO WIRE FENCE AND EXTEND IT INTO THE TRENCH



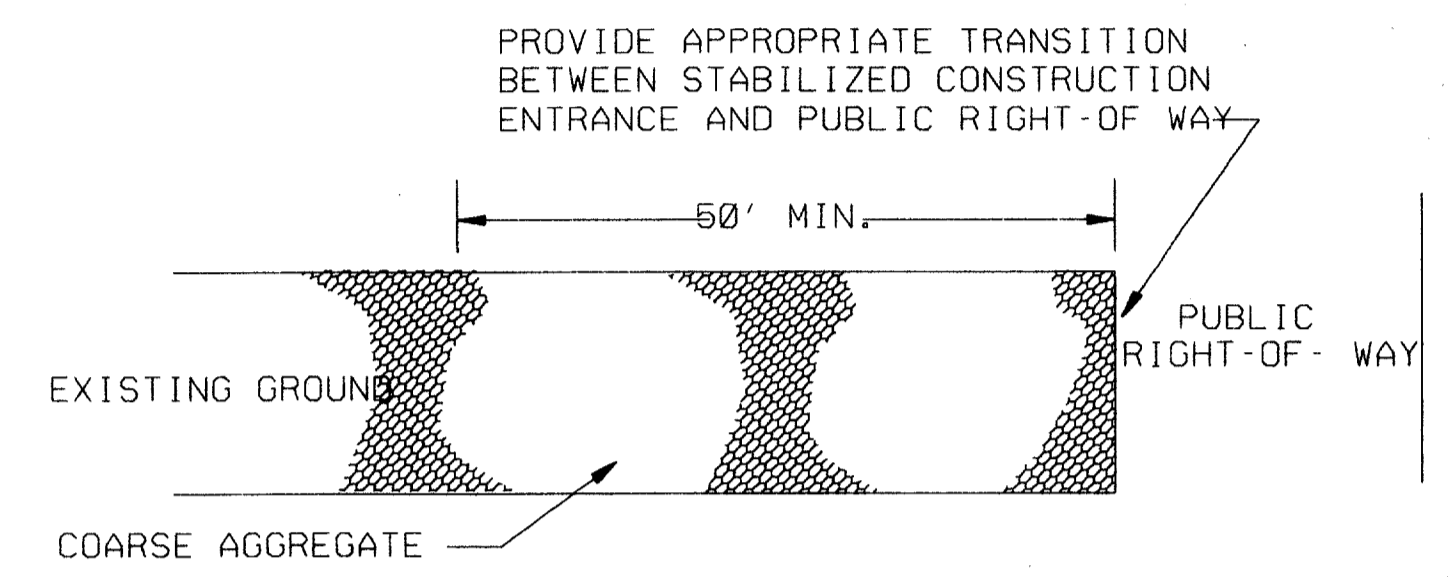
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



ITEM 4311
REINFORCED
FILTER FABRIC BARRIER



PROFILE



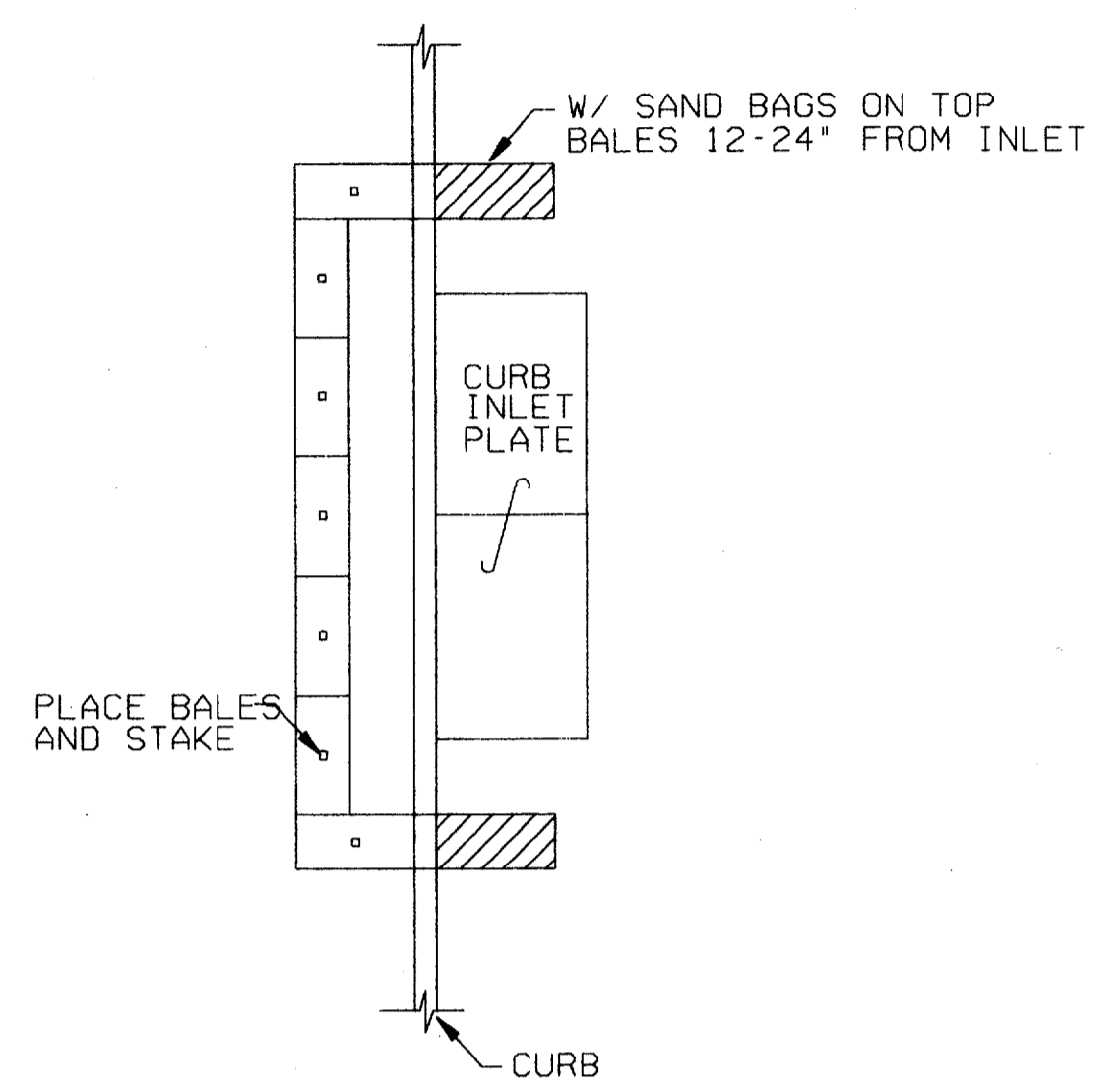
PLAN VIEW

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

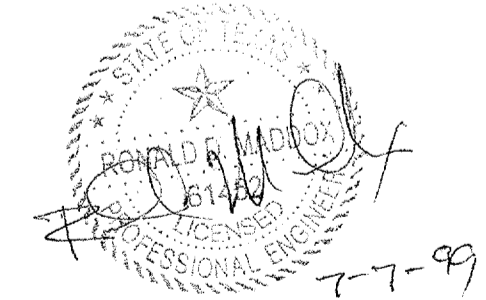


BMP 4. 5. 1. 1.
INLET PROTECTION BARRIERS

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.

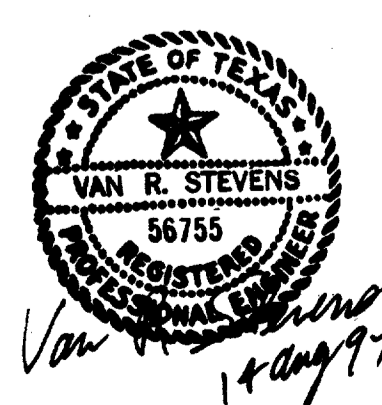
Record (As-built) Certification
I hereby certify that this address on the certificate that it conforms to the requirements of the contract in all respects not otherwise indicated.
County Engineer: 9700136
City of Dallas: EDALCO
City of Dallas (Typed): TOM KADER
PRESIDENT
I, the undersigned, being a duly Licensed Professional Engineer of Construction Contractor, including signature and date, hereby certify that the drawings for accuracy of as-built records as indicated herein, must be placed below.



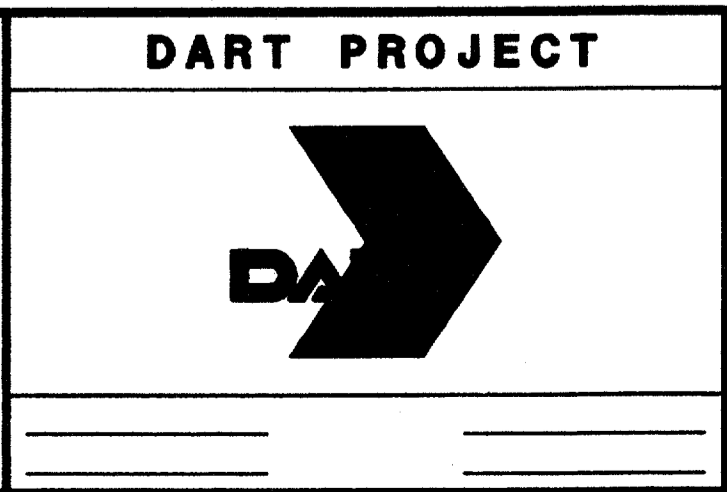
CONFORMED

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



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

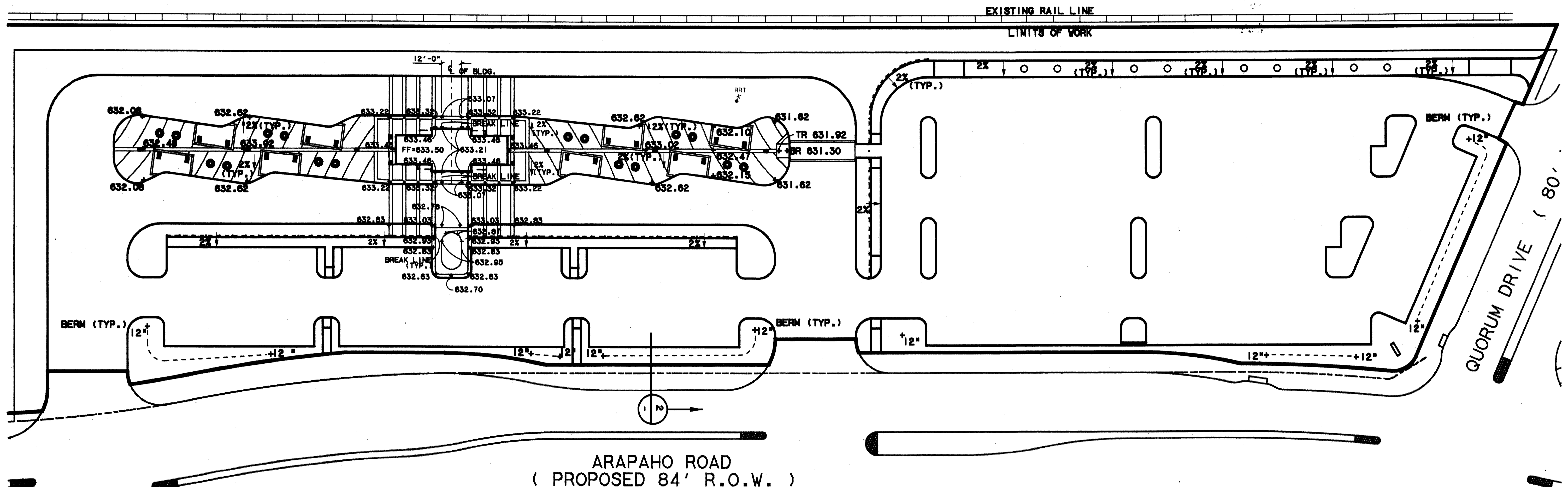
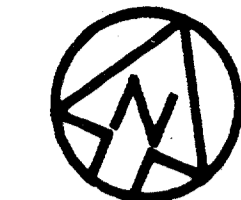
**ADDISON
TRANSIT CENTER
SWPPP STANDARD
DETAILS**

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

\$\$\$SPECIFICATION\$\$\$
 \$\$\$SYTIME\$\$\$
 \$\$\$PRF\$\$\$
 \$\$\$USERNAME\$\$\$
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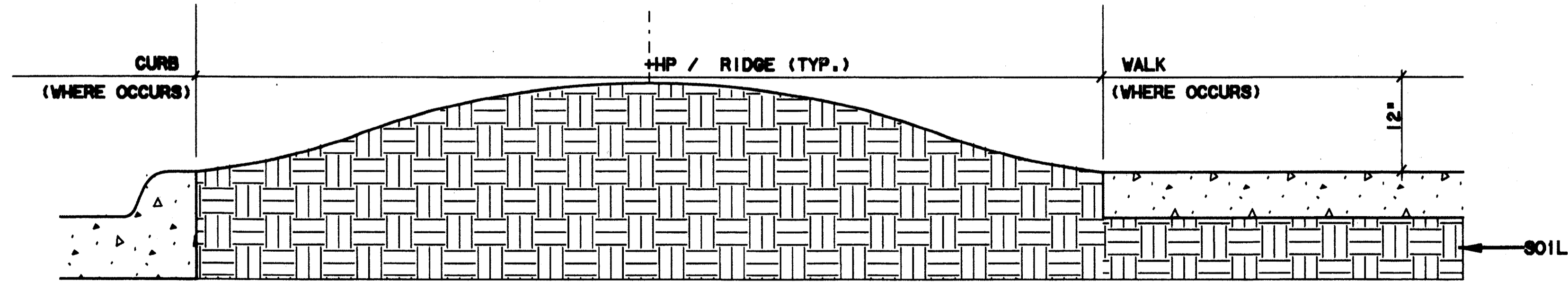
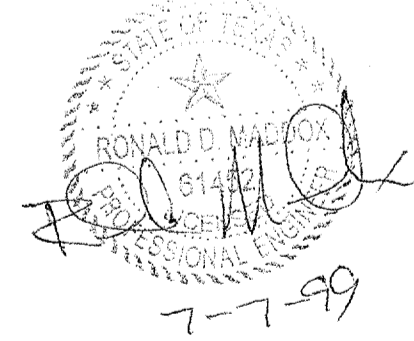
9000-930 *ON 9AD

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



FINE GRADING PLAN
SCALE: 1"=30'-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 otherwise indicated.
 Contract Number: 97000136
 Company Name: WENDY LOPEZ & ASSOCIATES, INC.
 Officer of Firm Signature: [Signature]
 State: TEXAS
 Officer of Firm Name (Typed): TOM KADEK
 Title of Officer (Typed): PRESIDENT
 Seal of Professional Engineer of Construction Contract, including signature and date, showing working record for this drawing for accuracy of as-built and if not indicated herein, must be placed below.



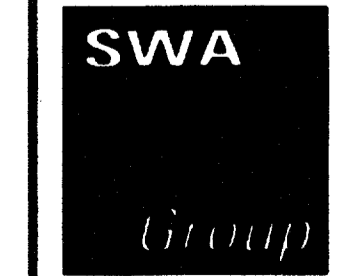
BERM SECTION - TYPICAL
SCALE: 1"=1'-0"

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



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

DART PROJECT



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

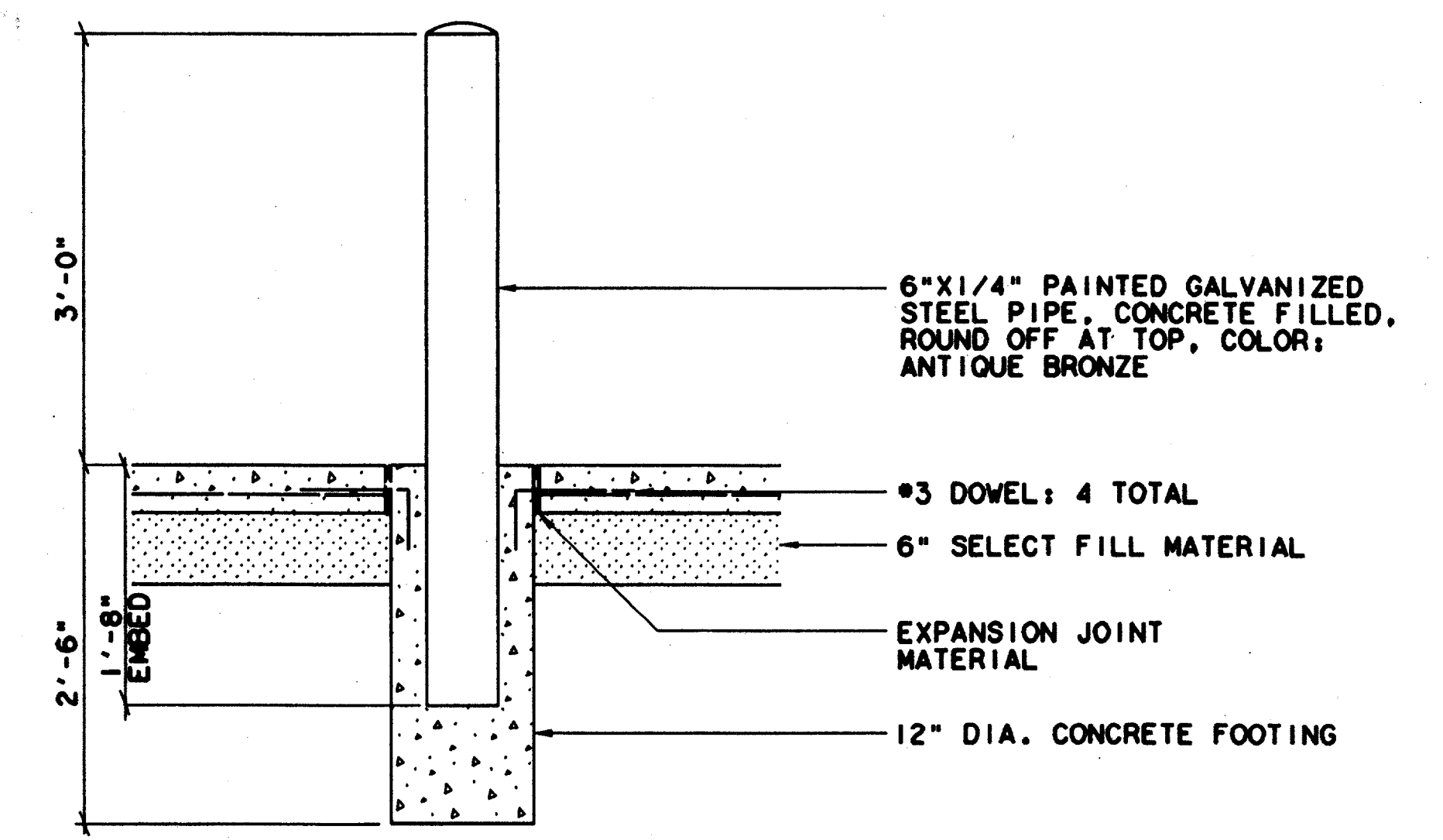


CONTRACT C-97000136

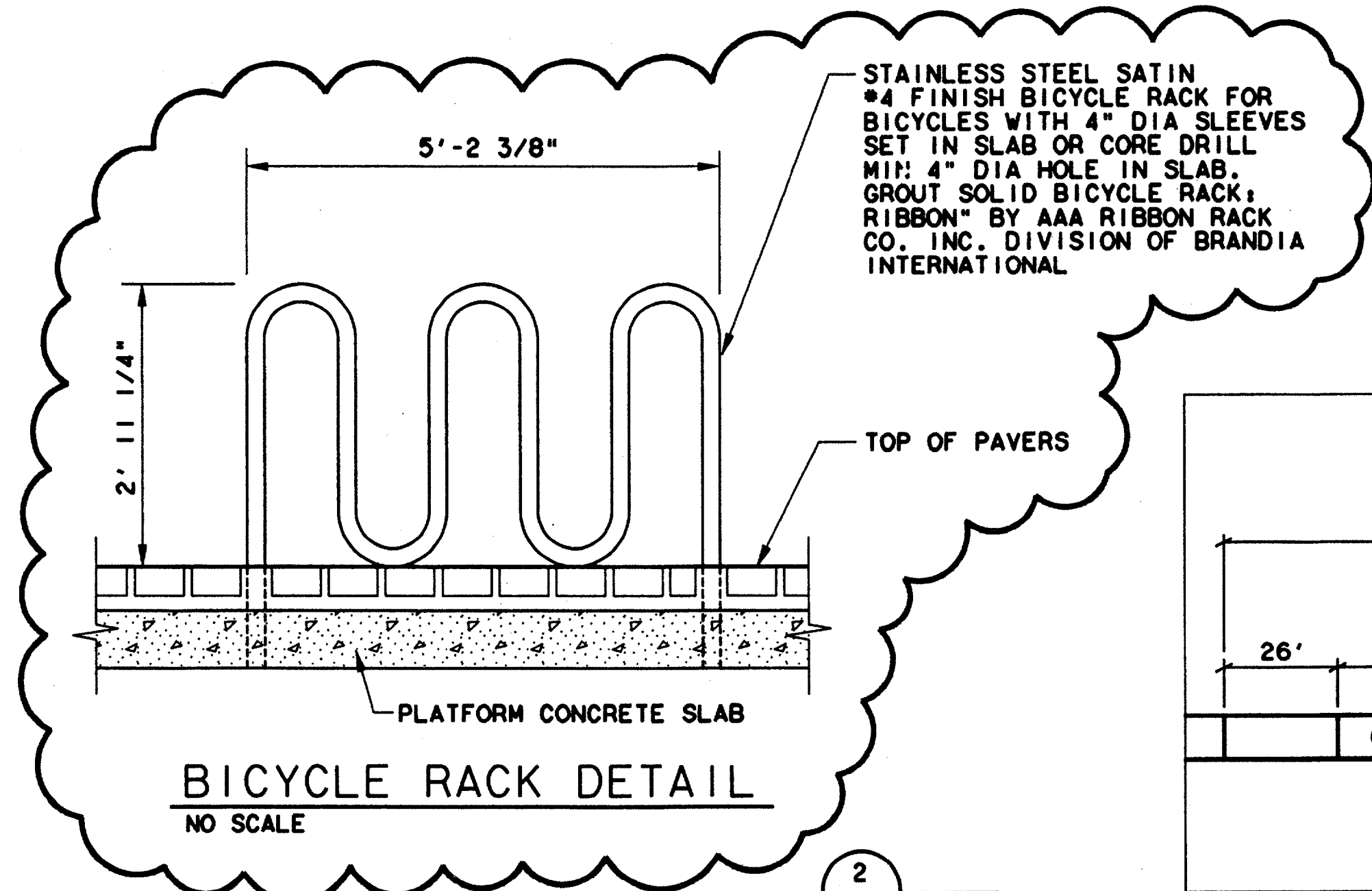
DWG No. CC5-0006

REV 0

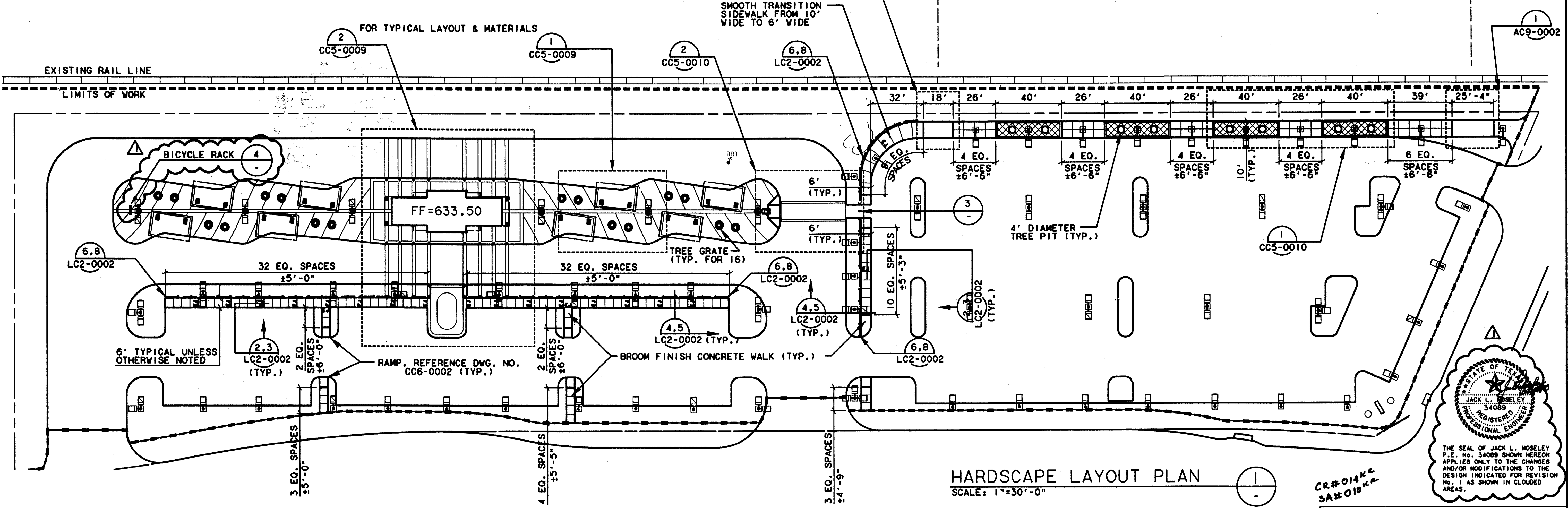
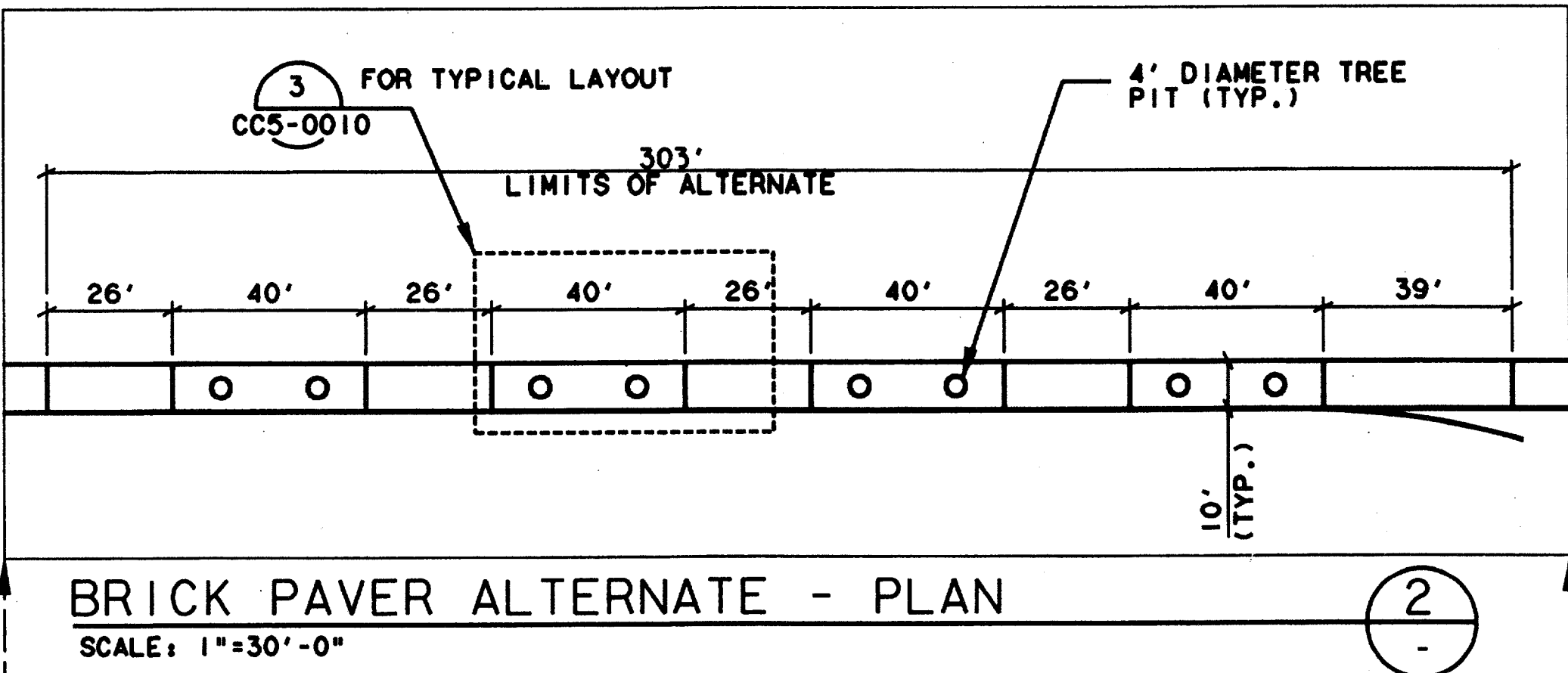
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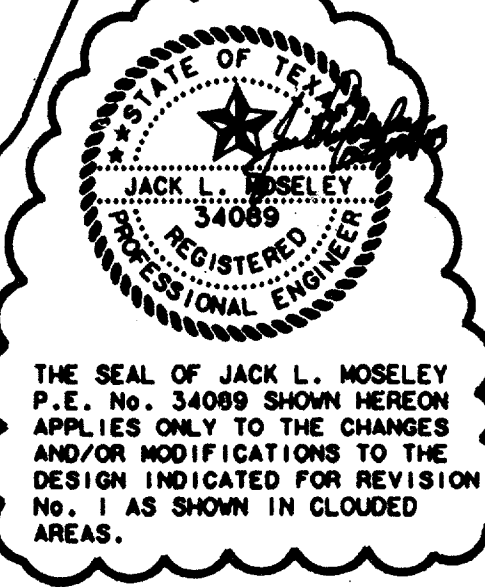
PEDESTRIAN PIPE BOLLARD - SECTION
 SCALE: 1"=1'-0"



Record (As-built) Certification
 Having checked this submission, we certify that it conforms to the requirements of the contract as all respects, as otherwise indicated.
 Contract Number: 70000136
 Company Name: CR#0148 SAE#0108
 Office of Firm Signature: [Signature]
 Date: 7-7-99
 Name of Firm: [Signature]
 Title of Officer: [Signature]
 Seal of Professional Engineer of Construction Contractor, including signature and date, thereby sealing second last-hand drawing for accuracy of seal - this drawing must be placed below.



HARDSCAPE LAYOUT PLAN
 SCALE: 1"=30'-0"

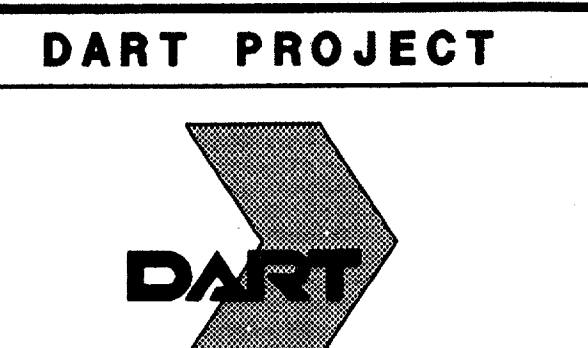


CONTRACT SHEET No. 40 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
△	2/8/99	ADDED BICYCLE RACK	DC	JCM	TJS	JLM	△						
△							△						
△							△						
△							△						
△							△						

ORIGINAL SEAL(S) RESIDE IN DART FOR THE FOLLOWING REVISION(S):
 REV 0: SEALED BY CHRISTOPHER L. MILLER LANDSCAPE ARCHITECT NO. 682

WLA
 WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 102 MARKET CENTER BLVD - SUITE 530
 DALLAS, TEXAS 75207
 (214) 740-7777



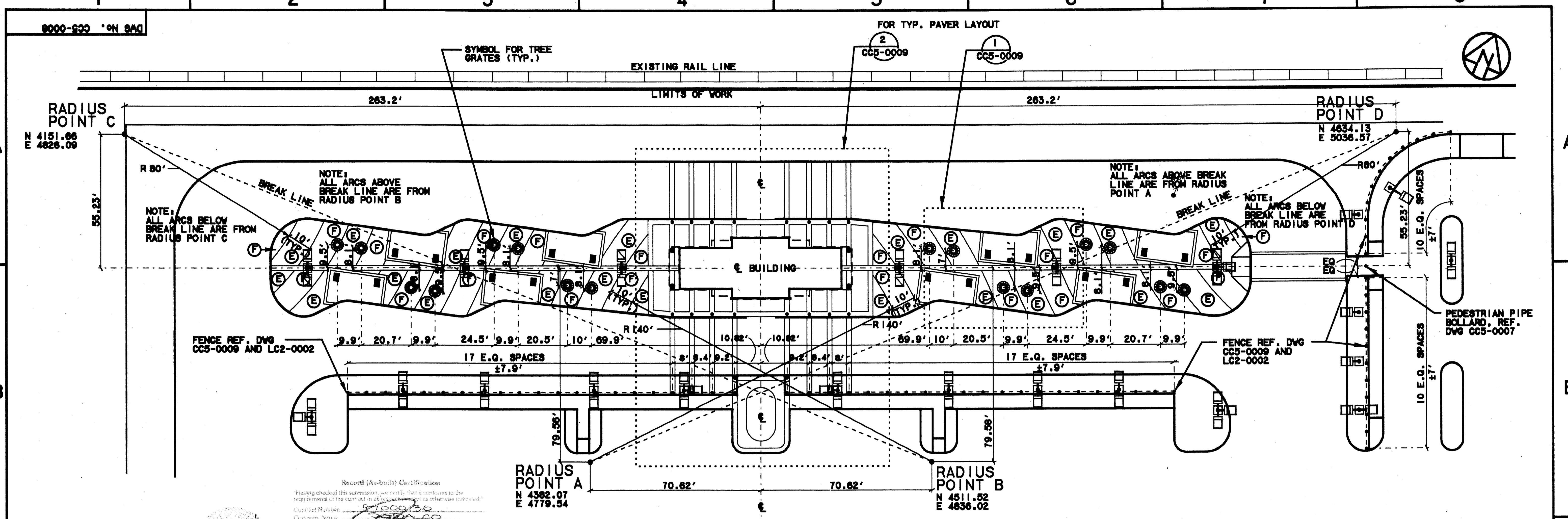
SCALE	1"=30'-0"
DRAWN	N. AVETON
DESIGNED	C. MILLER
CHECKED	C. MILLER
IN CHARGE	V. STEVENS
DATE	AUG. 14, 1997

ADDISON TRANSIT CENTER HARDSCAPE LAYOUT PLAN

CONTRACT	C-97000136	DWG No.	CC5-0007	REV	1
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F:\transit centers\abtc\dgn\addis01.rvt

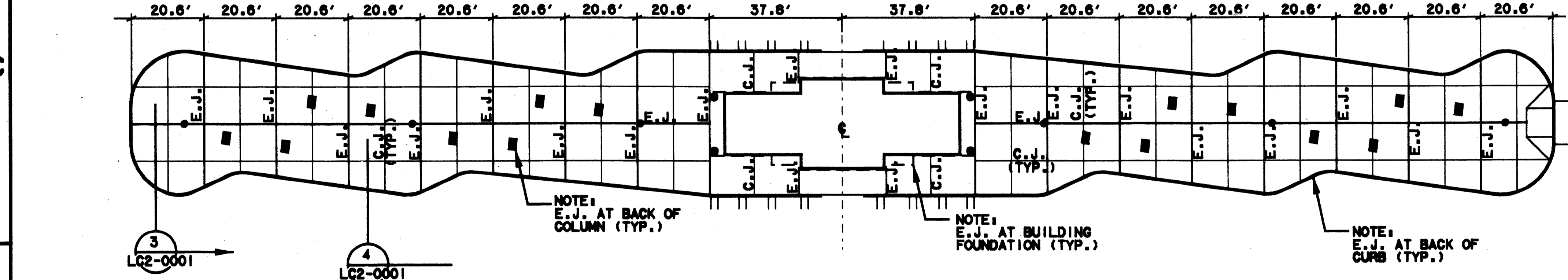
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 \$\$\$\$FILE1\$\$\$
 \$\$\$\$FILE2\$\$\$
 \$\$\$\$FILE3\$\$\$
 \$\$\$\$FILE4\$\$\$
 \$\$\$\$FILE5\$\$\$



Record (As-built) Certification
 Having checked this submission, we certify that it conforms to the requirements of the contract in all respects unless otherwise indicated.
 Contract Number: 1000136
 Contract Name: ADDISON TRANSIT CENTER
 Date: 7/14/09
 Officer of Firm Signature: TOM KADER, PRESIDENT
 Title of Officer (Typed): PRESIDENT
 Seal of Licensed Professional Engineer of Construction Contracting, including signature and title, thereby certifying that the drawings are true and correct to the best of his knowledge and belief, and that he is duly licensed and qualified to perform the services herein, must be stamped hereon.

FINISH PLATFORM LAYOUT PLAN
 SCALE: 1"=20'-0"

- PAVEMENT TYPES:**
- A TYPES - 12"x12" PAVER, COLOR 'TERRA COTTA'
 - ① - TYPE 1 - 8 CM AT ALL ROADWAY PATTERNS
 - ② - TYPE 2 - 6 CM AT ALL OTHER PATTERNS
 - B - MEDIUM BROOM FINISH CONCRETE, COLOR STD. GREY
 - C TYPES - 8"x12"x6 CM PAVER, COLOR 'LIMESTONE' (ACID WASHED)
 - D TYPES - 12"x12" PAVER, COLOR 'LIMESTONE' (ACID WASHED)
 - ③ - TYPE 4 - 8 CM AT ALL ROADWAY PATTERNS
 - ④ - 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"

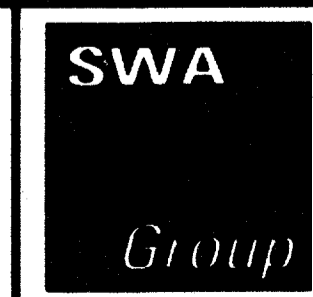
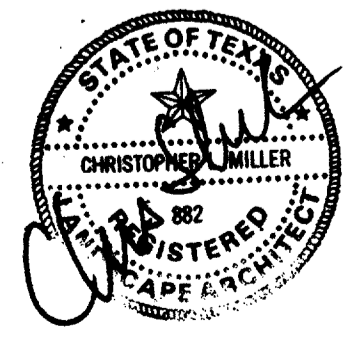
CONFORMED

CONTRACT SHEET No. 41 OF 95
ADDISON TRANSIT CENTER
 PLATFORM LAYOUT PLAN

SCALE	1"=20'-0"
DRAWN	N. AVETON
DESIGNED	G. MILLER
CHECKED	G. MILLER
IN CHARGE	V. STEVENSON
DATE	14 AUGUST 09

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

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

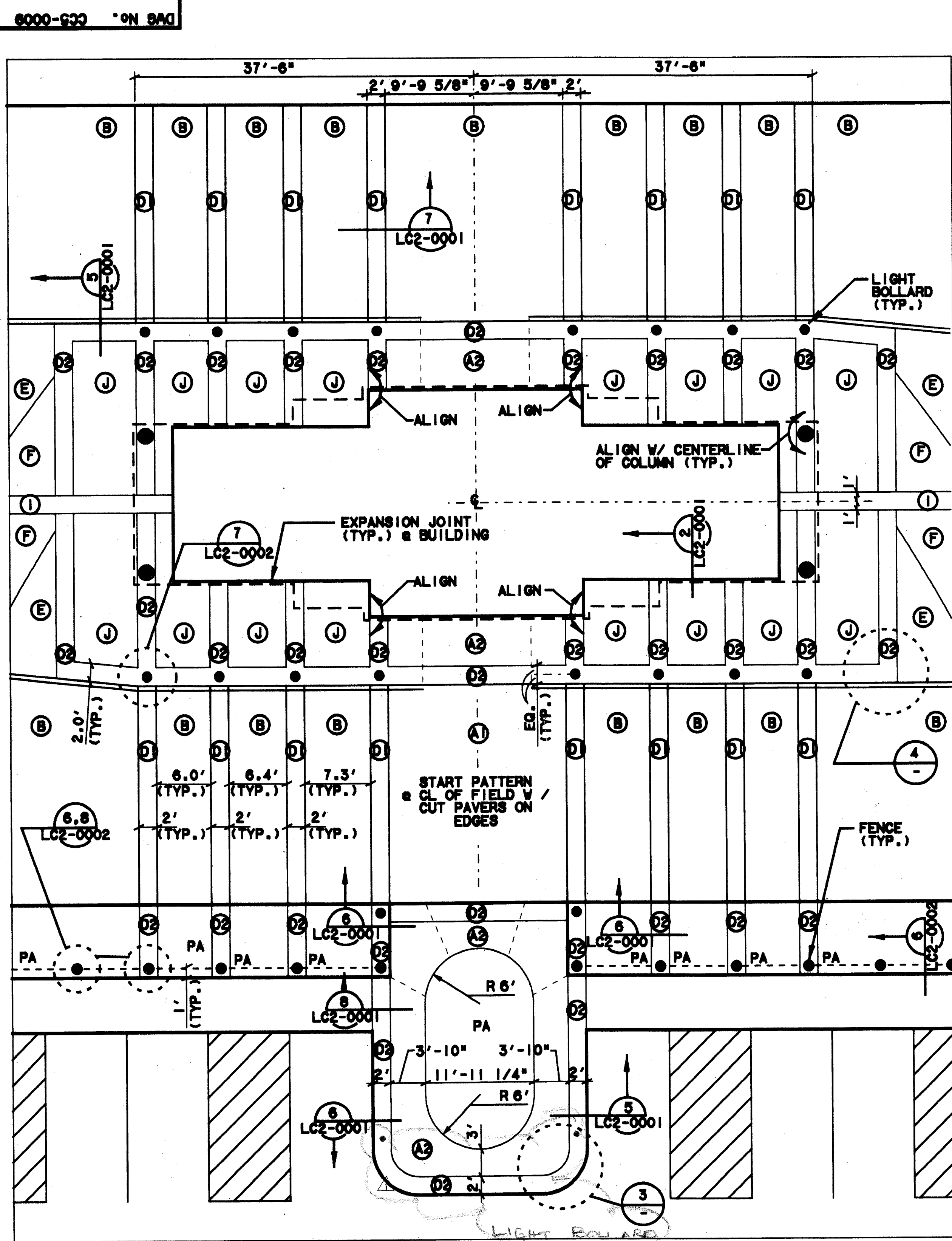


WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 383 MARKET CENTER BLVD - SUITE 310
 DALLAS, TEXAS 75207
 (214) 761-7777

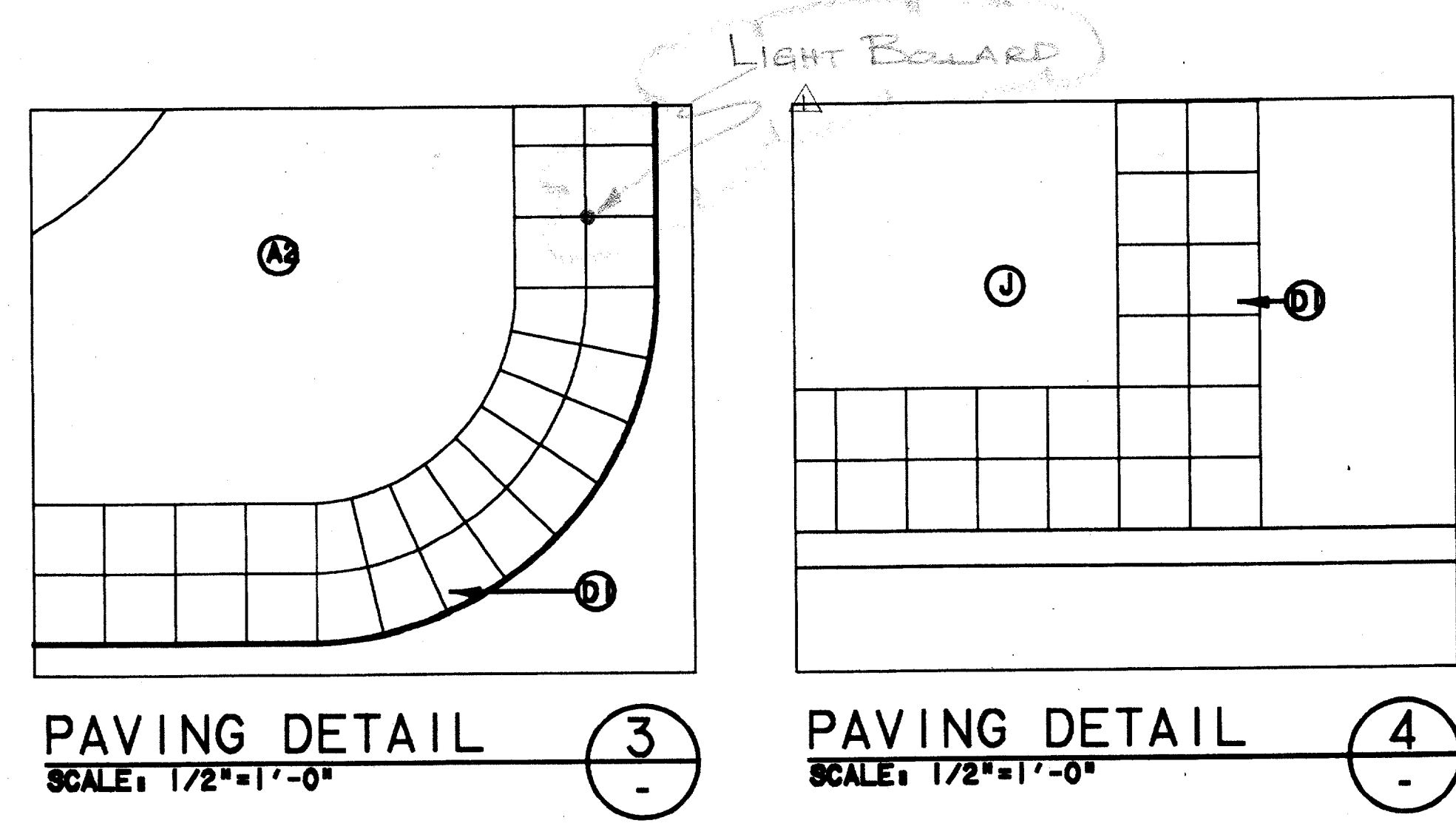
DART PROJECT



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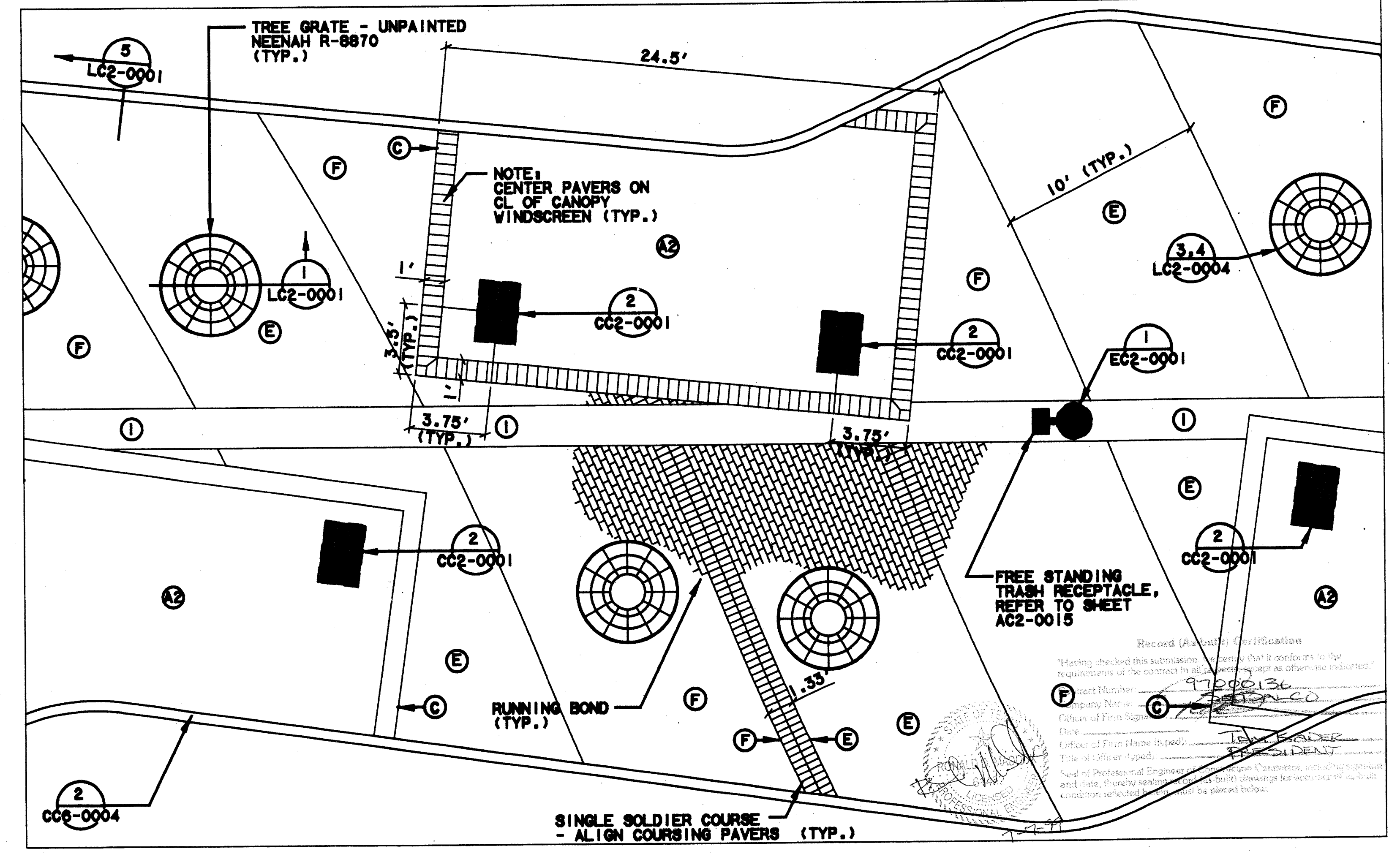


PLATFORM ENLARGEMENT PLAN B
 SCALE: 1/8"=1'-0"
 NOTE: PA = PLANTING AREA
 CC5-0007
 CC5-0008



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'
 - 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 - TYPE 3 - 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)



PLATFORM ENLARGEMENT PLAN A
 SCALE: 1/4"=1'-0"
 NOTE: TRASH RECEPTACLE TO BE LOCATED ADJACENT TO EACH PLATFORM LIGHT POLE. SPECIFIC LOCATION TO BE DETERMINED BY CONTRACTING OFFICER.
 CC5-0007
 CC5-0008

CONFORMED
 CONTRACT SHEET No. 42 OF 95

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

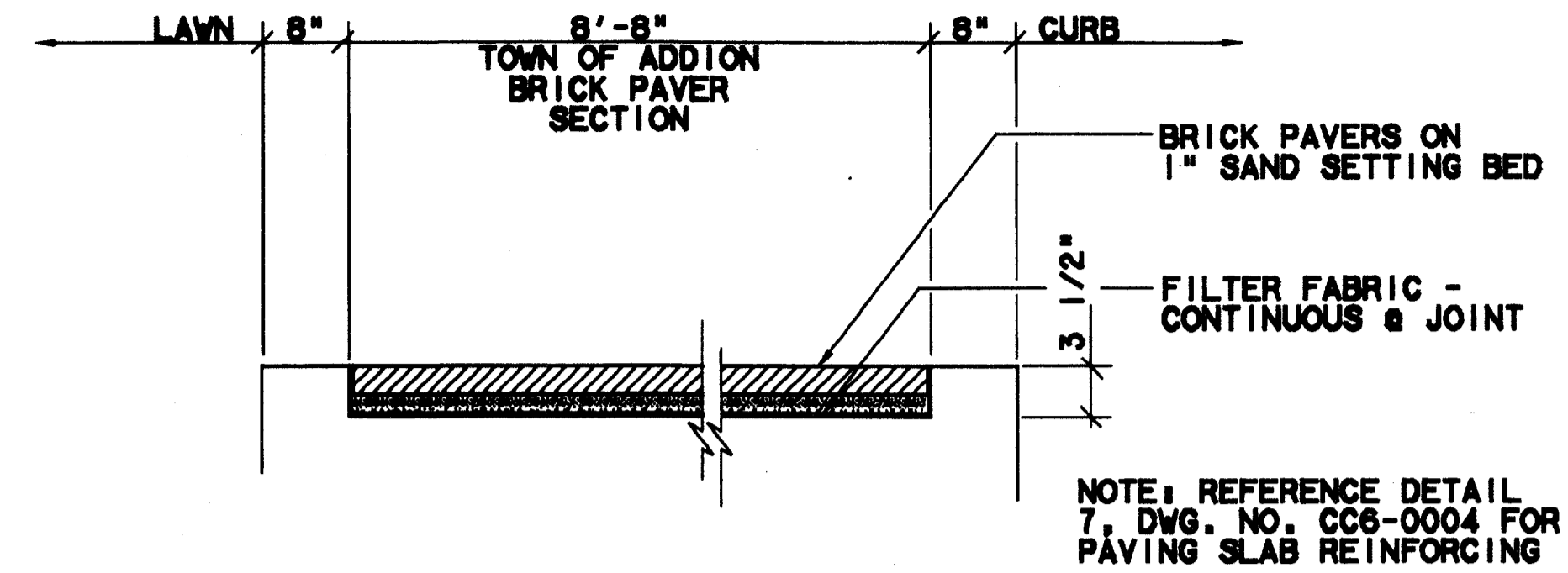
2211 North Lamar
Dallas, Texas 75202
214-954-0016

WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
1825 MARKET CENTER BLVD - SUITE 310
DALLAS, TEXAS 75207
(214) 748-7777

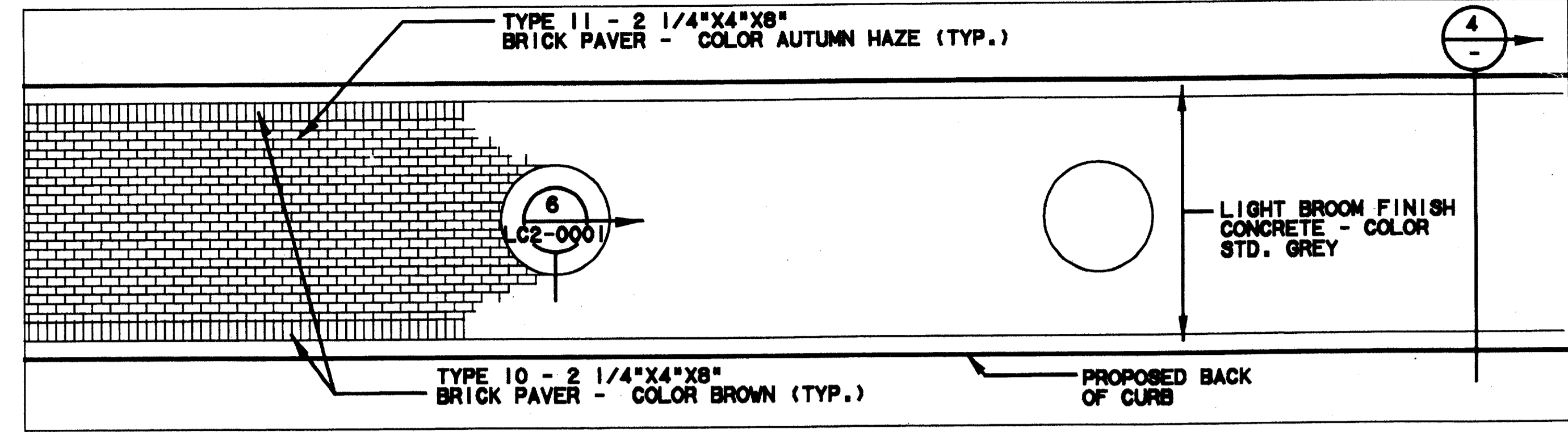
ADDISON TRANSIT CENTER
HARDSCAPE ENLARGEMENT
 CONTRACT C-97000136
 DWS No. CC5-0009
 REV 01

\$\$\$SYTIME\$\$\$\$
 \$\$\$PRF\$\$\$
 \$\$\$USERNAME\$\$\$
 \$\$\$ROT\$\$\$
 \$\$\$PEN\$\$\$
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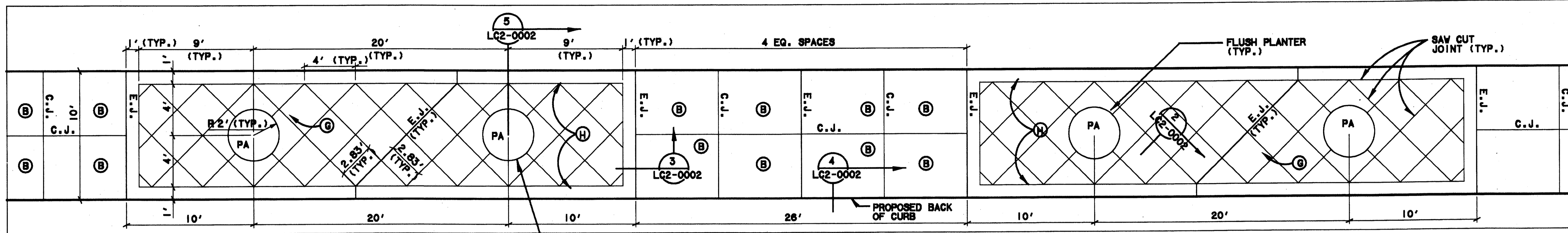
0100-G30 ON BAG



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



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



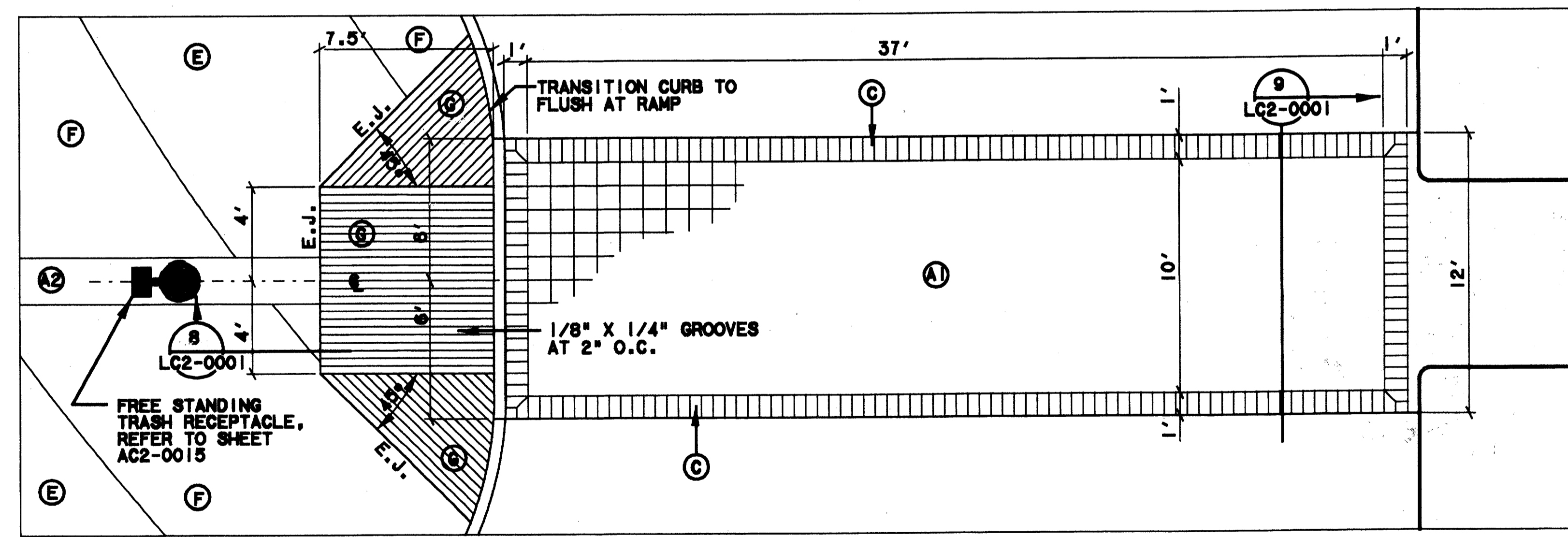
NORTH WALK ENLARGEMENT PLAN
SCALE: 1/4"=1'-0"

- PAVEMENT TYPES:**
- A TYPES - 12"x12" PAVER, COLOR - 'TERRA COTTA'
 - ① - TYPE 1 - 8 CM AT ALL ROADWAY PATTERNS
 - ② - 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)
 - ③ - TYPE 4 - 8 CM AT ALL ROADWAY PATTERNS
 - ④ - 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)

Record - Authority Certification
 I have checked this submission, as a certified authority, and certify that it conforms to the requirements of the contract and applicable codes, as indicated on the drawings.
 Contract Number: 97000136
 Company Name: SWA
 Office of Firm Signature: [Signature]
 Date: [Date]
 Title of Officer (Typed): [Title]
 Seal of Professional Engineer of Construction Contracting, including signature and date, hereby making record (as-built) drawings for account of as-built condition reflected herein, must be placed below.

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

NOTE:
PA = PLANTING AREA

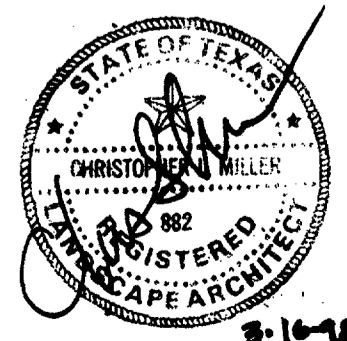


CROSS WALK ENLARGEMENT PLAN
SCALE: 1/4"=1'-0"

CONFORMED

CONTRACT SHEET No. 43 OF 95

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



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
105 MARKET CENTER BLVD - SUITE 510
DALLAS, TEXAS 75207
(214) 748-7777

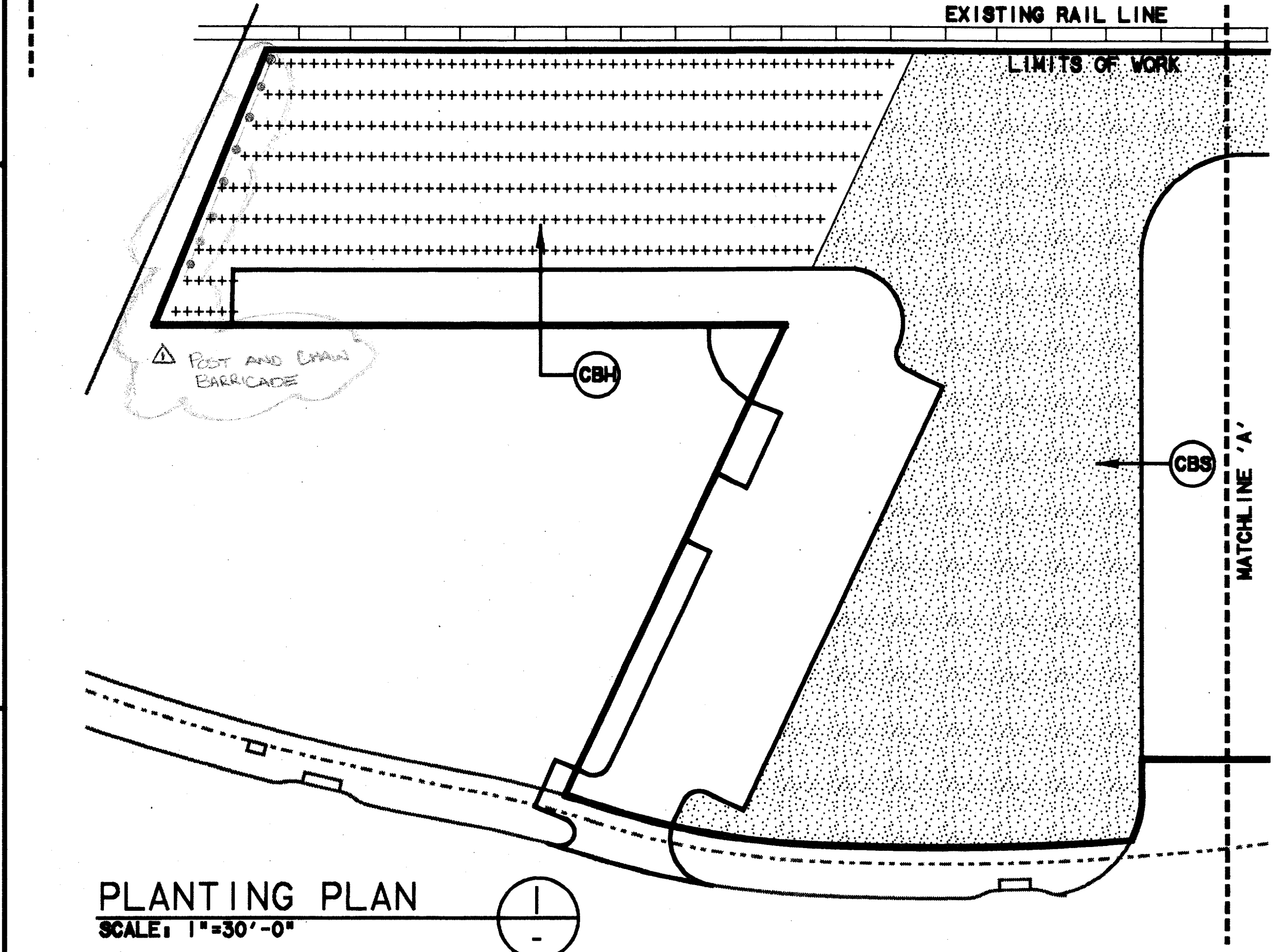
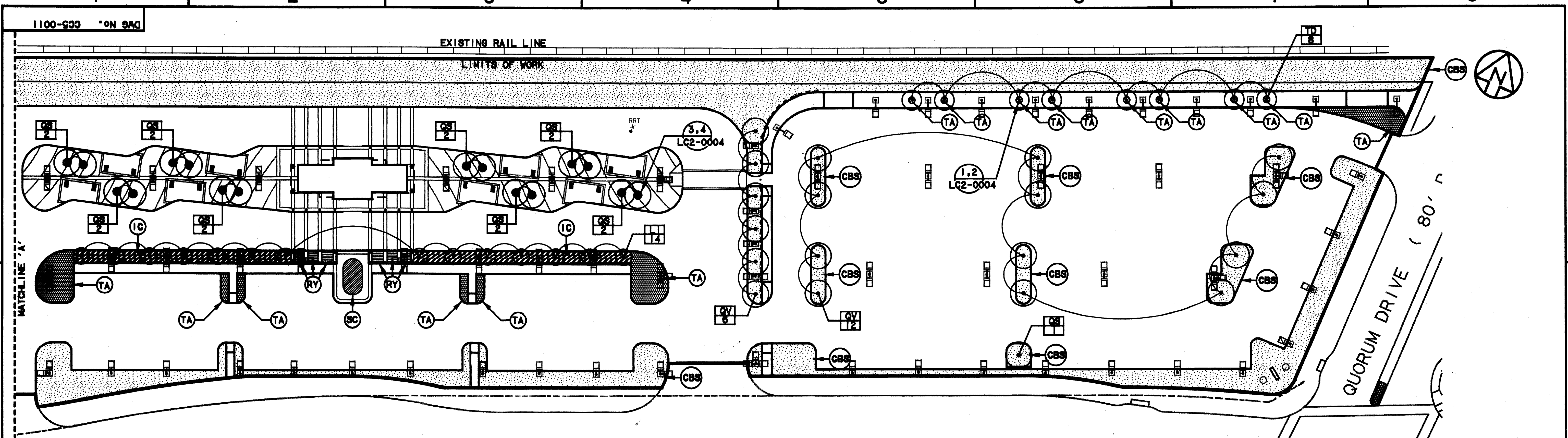
DART PROJECT
DA

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

ADDISON TRANSIT CENTER
HARDSCAPE ENLARGEMENT

CONTRACT C-97000136
DWG No. CC5-0010
REV 0

\$\$\$DGN SPECIFICATION\$\$\$\$
 \$\$\$SYTIME\$\$\$\$
 \$\$\$PRF\$\$\$
 \$\$\$USERNAME\$\$\$
 \$\$\$ROT\$\$\$
 \$\$\$PEN\$\$\$
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 \$\$\$ILE9\$\$\$
 \$\$\$ILE10\$\$\$
 \$\$\$ILE11\$\$\$
 \$\$\$ILE12\$\$\$
 \$\$\$ILE13\$\$\$
 \$\$\$ILE14\$\$\$
 \$\$\$ILE15\$\$\$



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 / Crape-Myrtle 'tuskegee'	2"	10'	5'-6'	65 Gal.	Multi-Trunk, 3 - trunk min.
QS	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

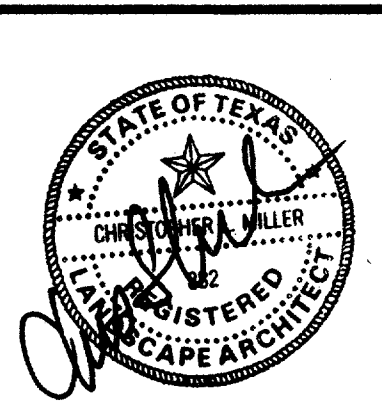
PLANTING PLAN
SCALE: 1"=30'-0"

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 noted.
 Contract Number: 920036
 Company Name: WEA
 Title of Firm Signatory: J. K. Kasper
 Title of Officer (Typed): PRESIDENT
 Seal of Professional Engineer of Construction Contract, including signature
 and date, thereby sealing hereto (as-built) drawings for accuracy of which no
 condition reflected hereby, shall be placed below.

CONFORMED

CONTRACT SHEET No. 44 OF 95

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



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) 741-7777

DART PROJECT

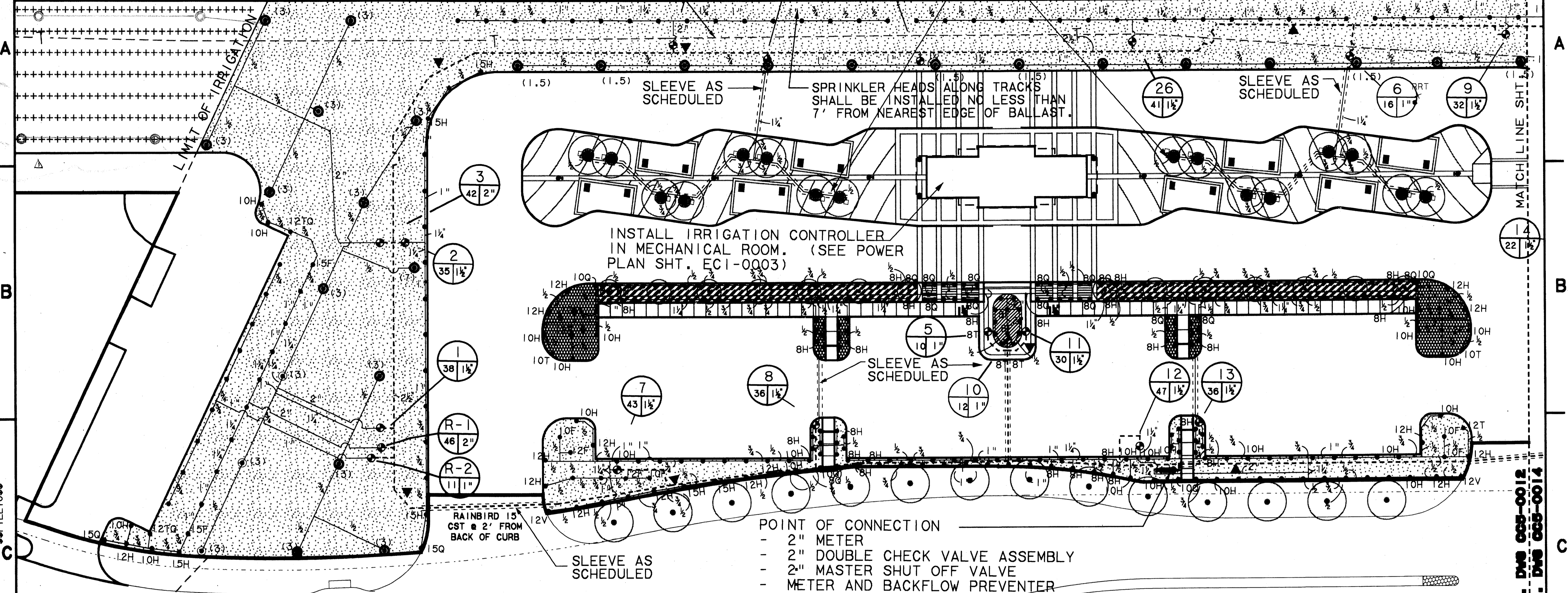
SCALE	1"=30'-0"
DRAWN	N. AVETON
DESIGNED	C. MILLER
CHECKED	C. MILLER
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

ADDISON TRANSIT CENTER PLANTING PLAN

CONTRACT C-97000136
DWG No. CC5-0011
REV 01

NOTE: VERIFY LOCATION OF EXISTING MG-1 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.

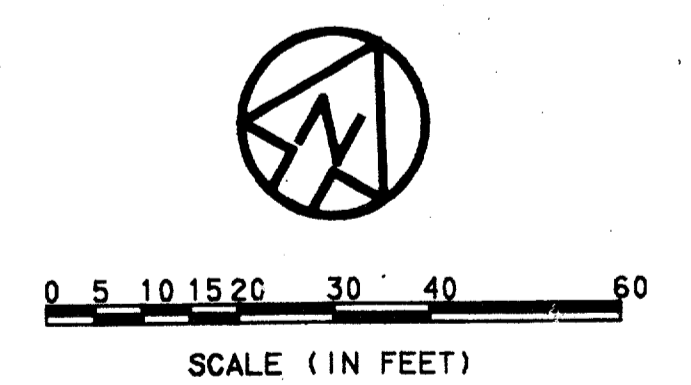
SLEEVE AS SCHEDULED: SLEEVE AND PIPE MUST BE INSTALLED PRIOR TO CONSTRUCTION OF TRANSIT PLATFORM. COORDINATE WITH OTHER CONTRACTORS. SLEEVE MUST BE EXTENDED 12" MIN. INTO PLANTER.



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

ARAPAHO ROAD

CONFORMED



Contract Number: 97000136
 Company Name: HALFF ASSOCIATES, INC.
 Officer of Firm Signature: Tom Kasper
 Title of Officer (typed): PRESIDENT
 Seal of Professional Engineer of Construction - Construction including design and draw, thereby sealing record (as-built) drawings for necessity of use in position reflected herein, must be placed below.

HALFF ASSOCIATES, INC.
 IRRIGATION CONSULTANTS
 CONTRACT SHEET No. 45 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			SLM							

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
 382 MARKET CENTER BLVD - SUITE 510
 DALLAS, TEXAS 75207
 (214) 748-7777

DART PROJECT

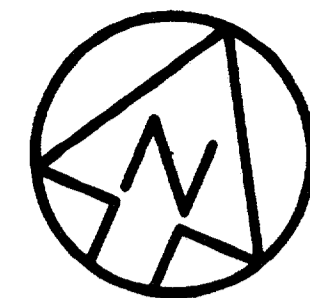
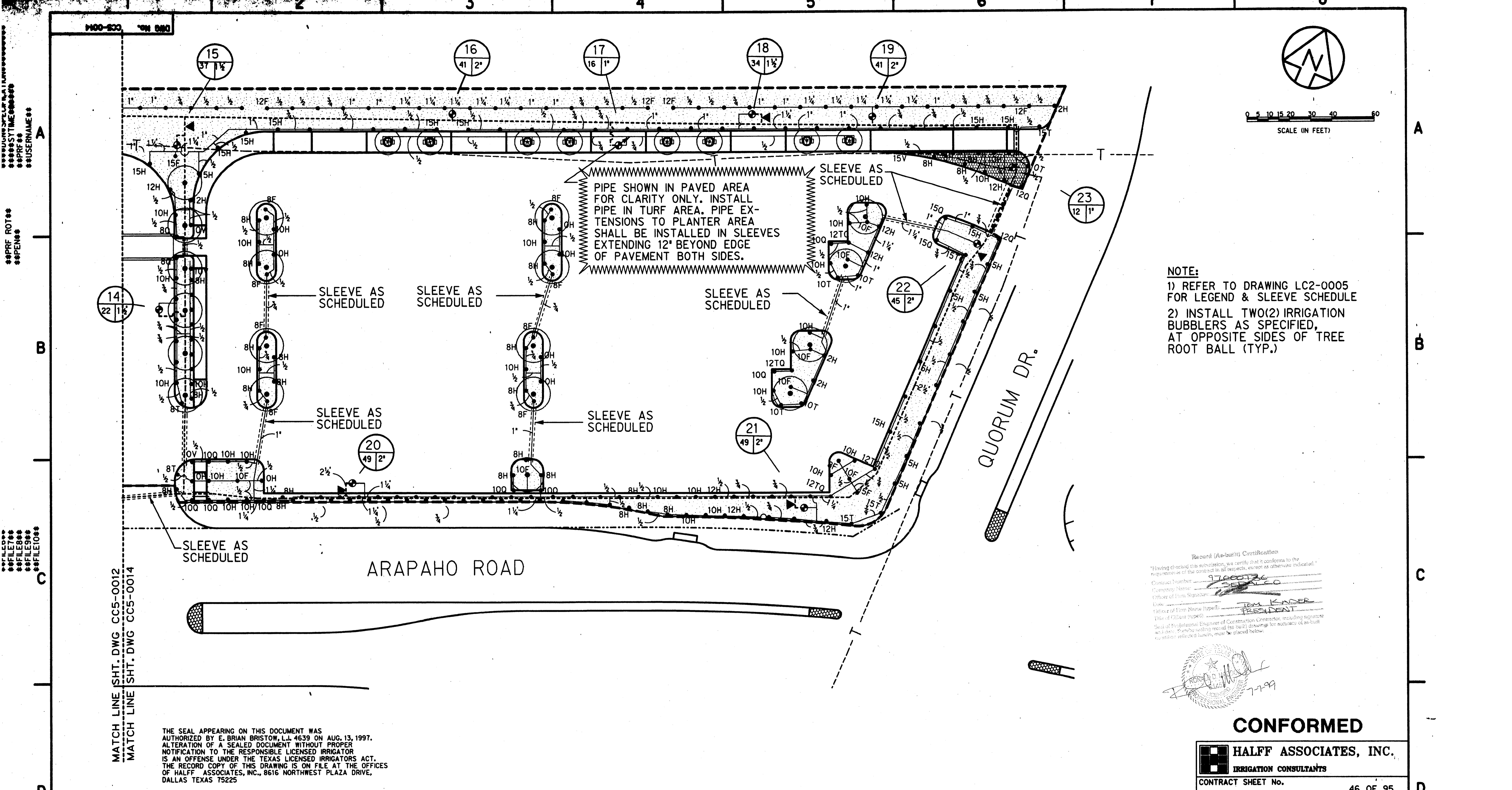
SCALE	1"=20'-0"
DRAWN	L. HUGHES
DESIGNED	B. BRISTOW
CHECKED	B. BRISTOW
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

ADDISON TRANSIT CENTER IRRIGATION PLAN

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

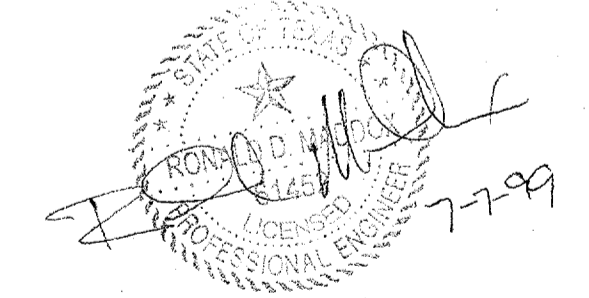
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 \$\$\$ILE3\$\$\$
 \$\$\$ILE4\$\$\$
 \$\$\$ILE5\$\$\$

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



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

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: HALFF
 Officer of Firm Signature: [Signature]
 Title of Officer (Typed): TOM KANDER, PRESIDENT
 Seal of Professional Engineer of Construction Contractor, including signature and a clear, legible reading record (as built) drawing for accuracy of as-built construction reflected herein, must be placed below.



CONFORMED

HALFF ASSOCIATES, INC.
 IRRIGATION CONSULTANTS

CONTRACT SHEET No. 46 OF 95

ADDISON
 TRANSIT CENTER
 IRRIGATION PLAN

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

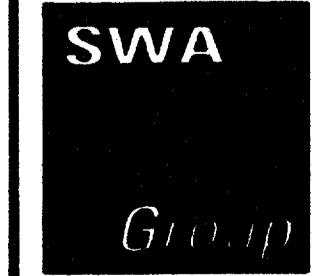


CONTRACT C-97000136 DWG No. CC5-0014 REV 0

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY E. BRIAN BRISTOW, L.L. 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

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

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



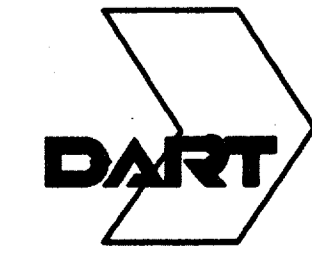
2211 North Lamar
 Dallas, Texas 75202
 214-954-0016

Landscape Architecture
 Site Planning
 Urban Design



WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 300 MARKET CENTER BLVD - SUITE 20
 DALLAS, TEXAS 75201
 (214) 946-7777

DART PROJECT

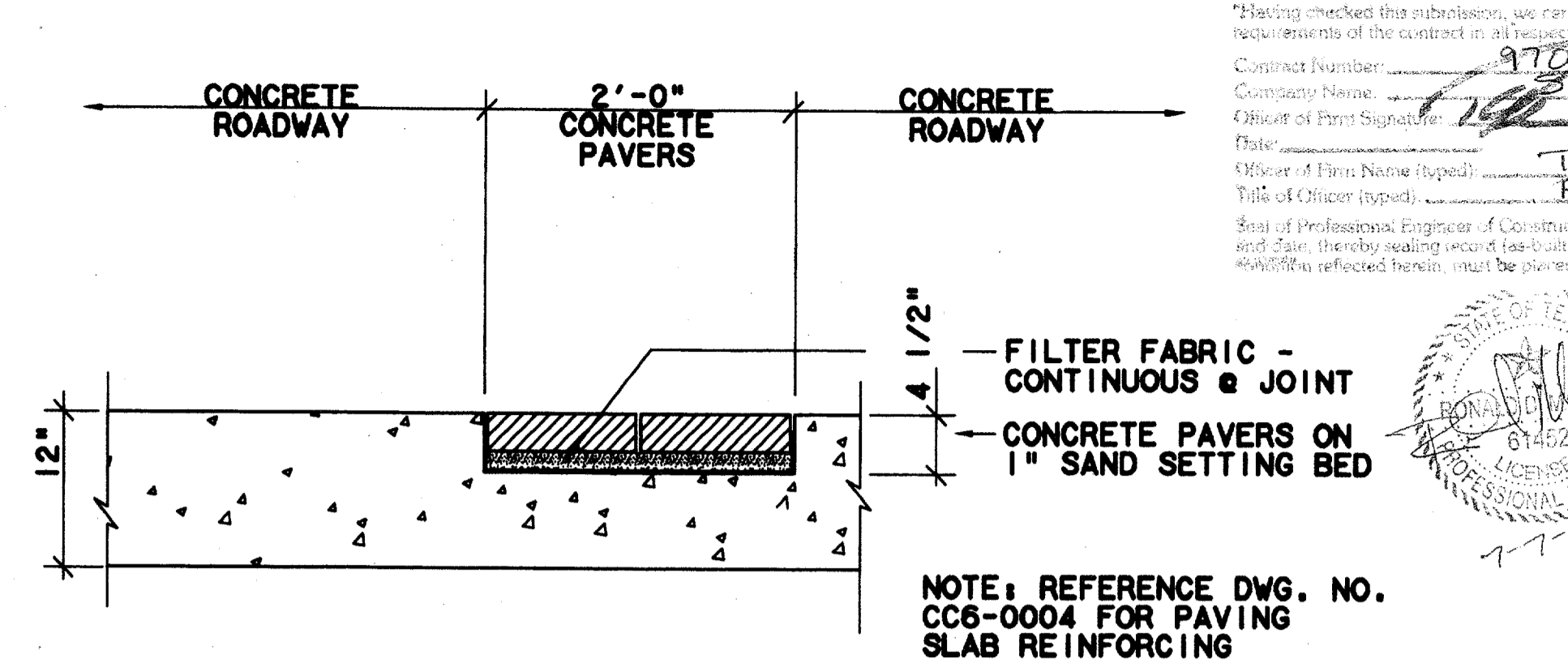


FILED
 FILE7
 FILE8
 FILE9
 FILE10
 PRF ROT
 PENS
 USERNAME
 100-833 ON 080

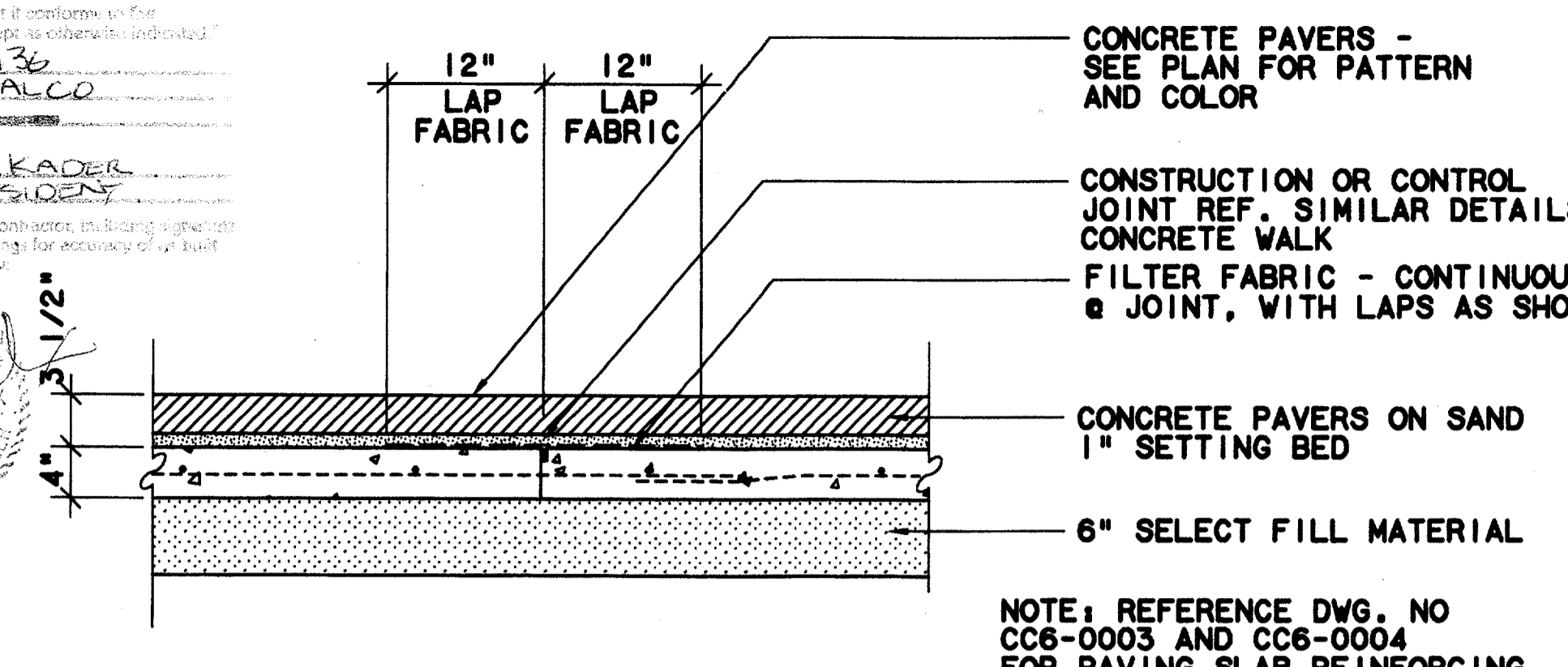
\$\$\$DGN\$\$\$SPECIFICATION\$\$\$
 \$\$\$SYTIME\$\$\$
 \$\$\$PRF\$\$\$
 \$\$\$USERNAME\$\$\$
 \$\$\$PRF ROT\$\$\$
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 \$\$\$FILE10\$\$\$
 \$\$\$FILE11\$\$\$
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 \$\$\$FILE14\$\$\$
 \$\$\$FILE15\$\$\$

1000-207 *ON 9AD

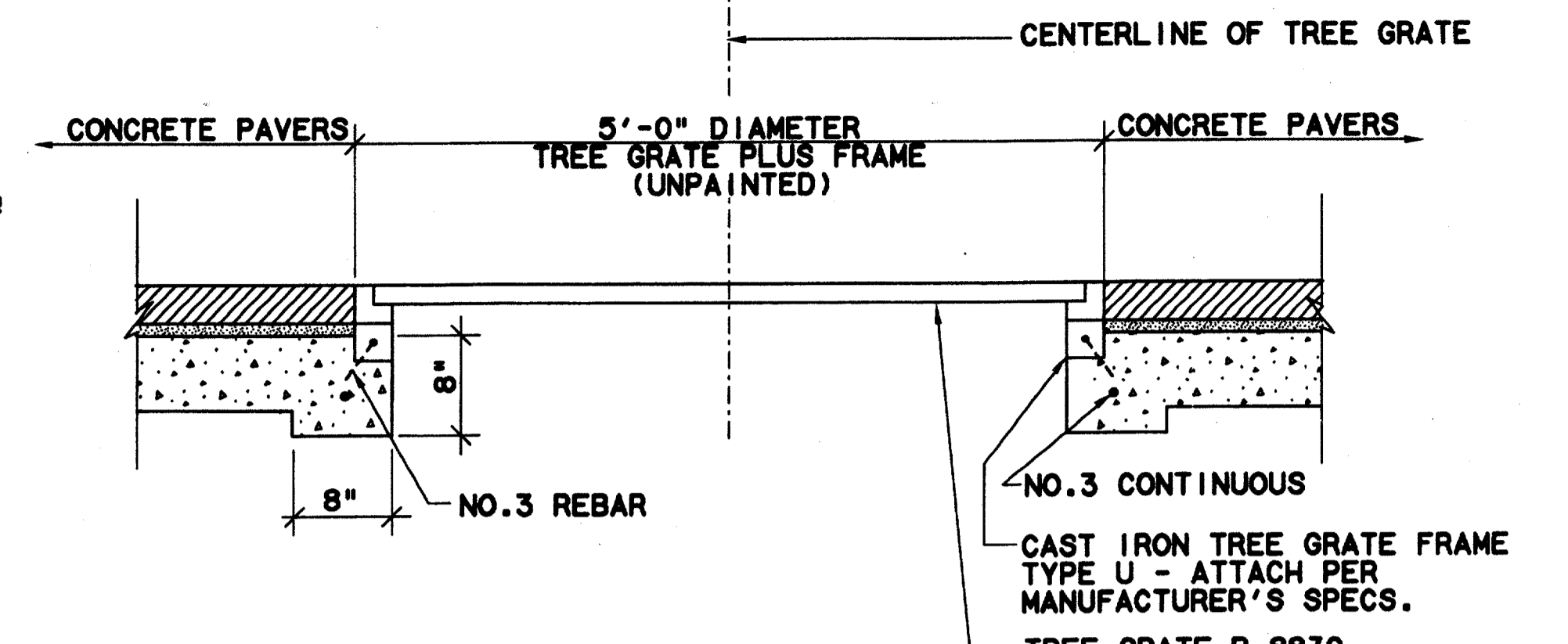
Record (As-built) Certification
 "Having checked the submission, we certify that it conforms to the requirements of the contract in all respects, except as otherwise indicated."
 Contract Number: 9700136
 Company Name: SEDALCO
 Date: 11/11/99
 Name of Firm: SEDALCO
 Title of Officer: PRESIDENT
 Seal of Professional Engineer of Construction Commission, State of Texas, No. 11199, expires 11/11/02. Thereby reading record of as-built drawings for accuracy of as-built drawings reflected herein, must be placed below.



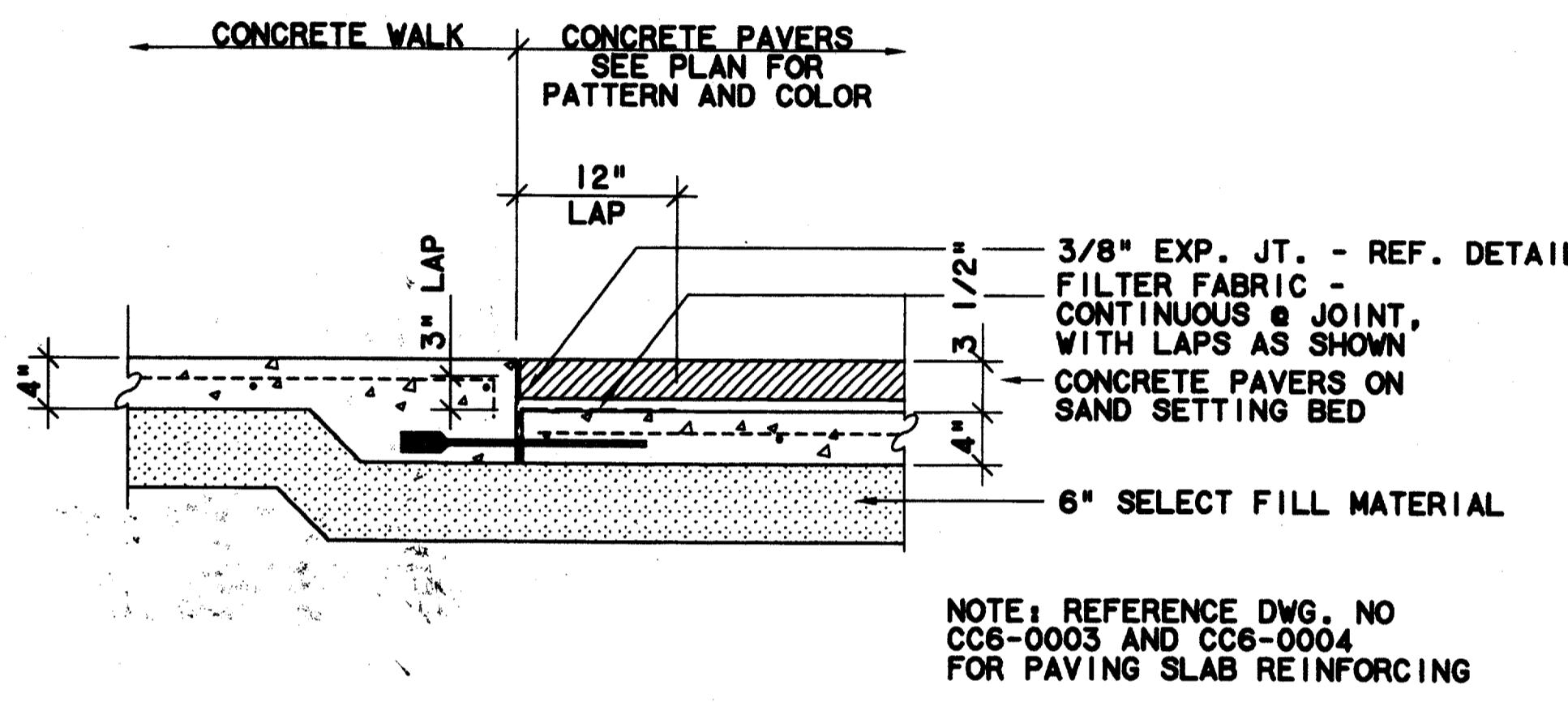
PAVER INSET @ ROADWAY - SECTION
 SCALE: 1"=1'-0"
 7
 CC5-0009
 CC5-0010



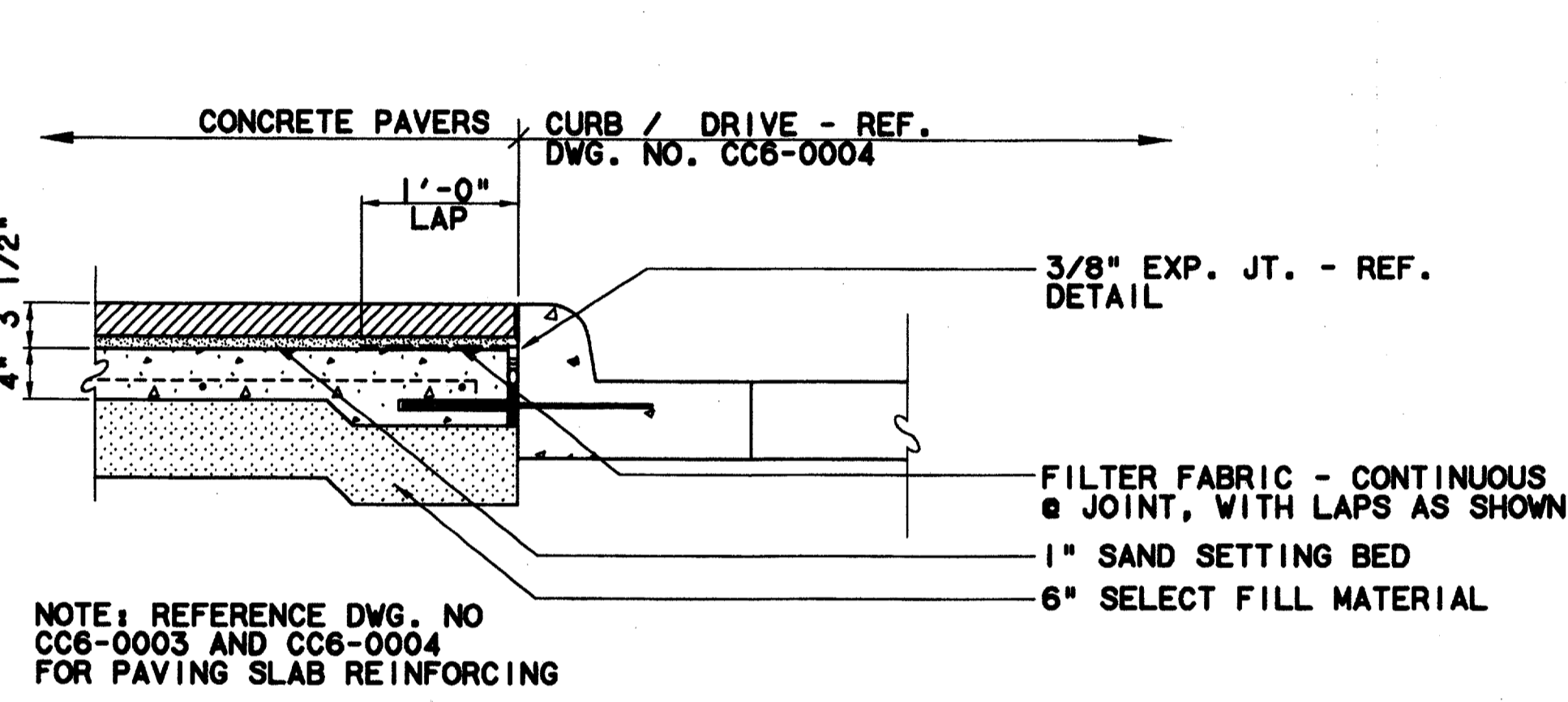
PAVERS OVER CONTROL JOINT - SECTION
 SCALE: 1"=1'-0"
 4
 CC5-0008



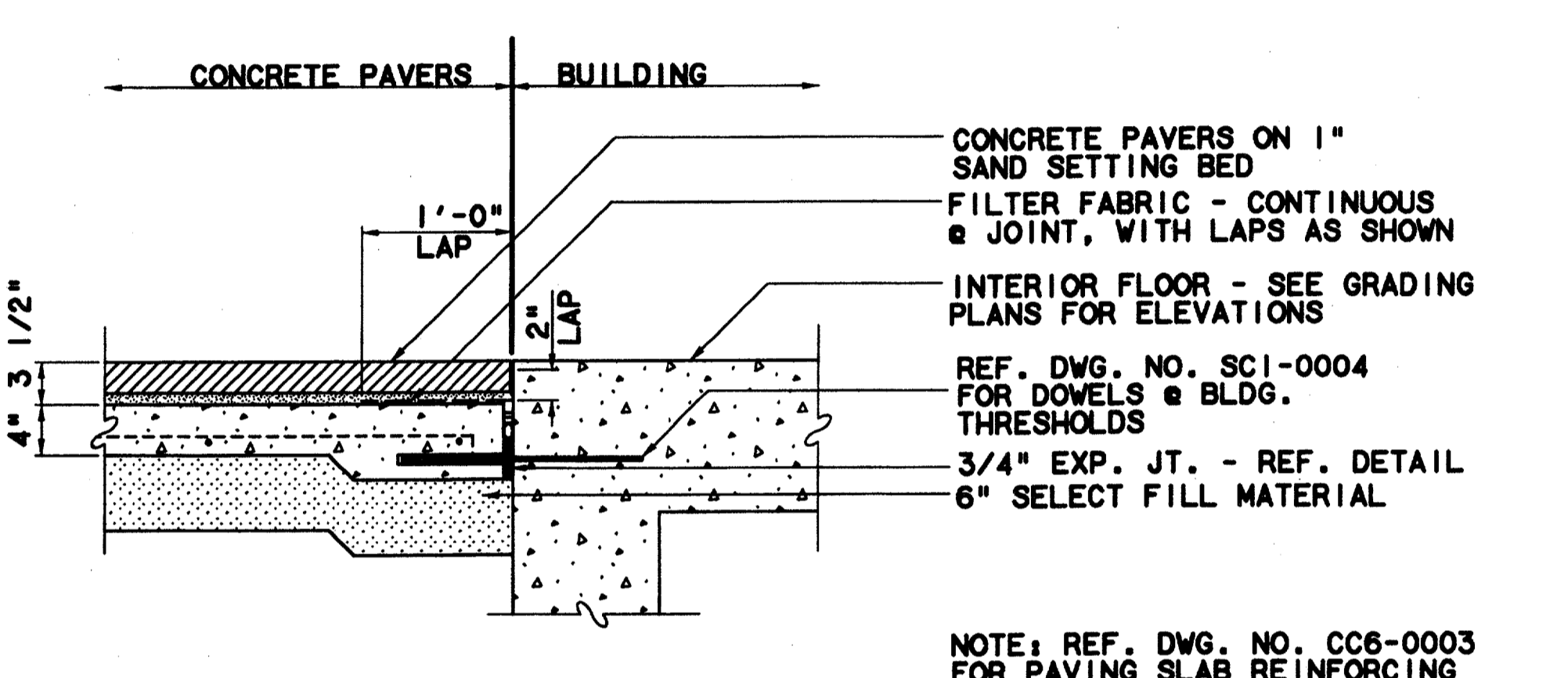
PAVERS @ TREE GRATE - SECTION
 SCALE: 1"=1'-0"
 1
 CC5-0009



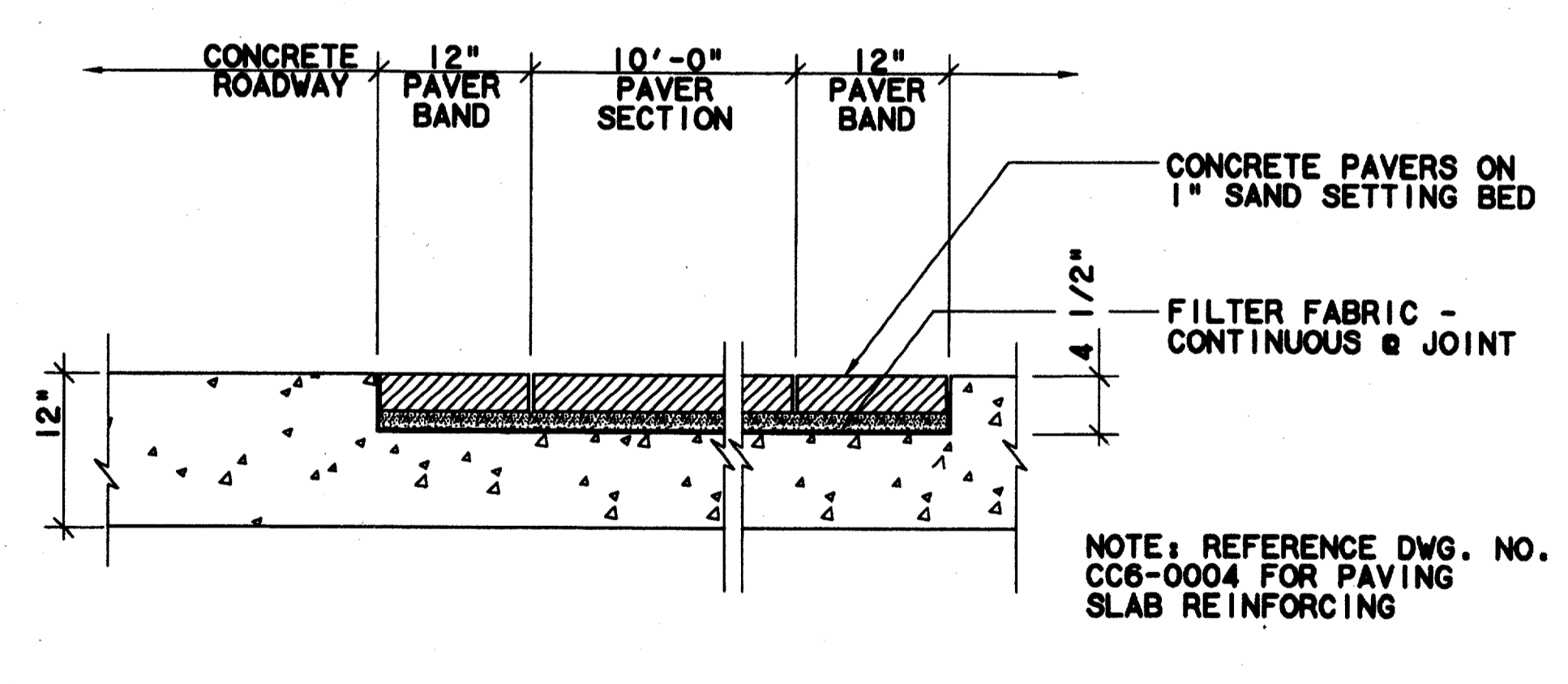
PAVERS @ CONCRETE WALK - SECTION
 SCALE: 1"=1'-0"
 8
 CC5-0009
 CC5-0010



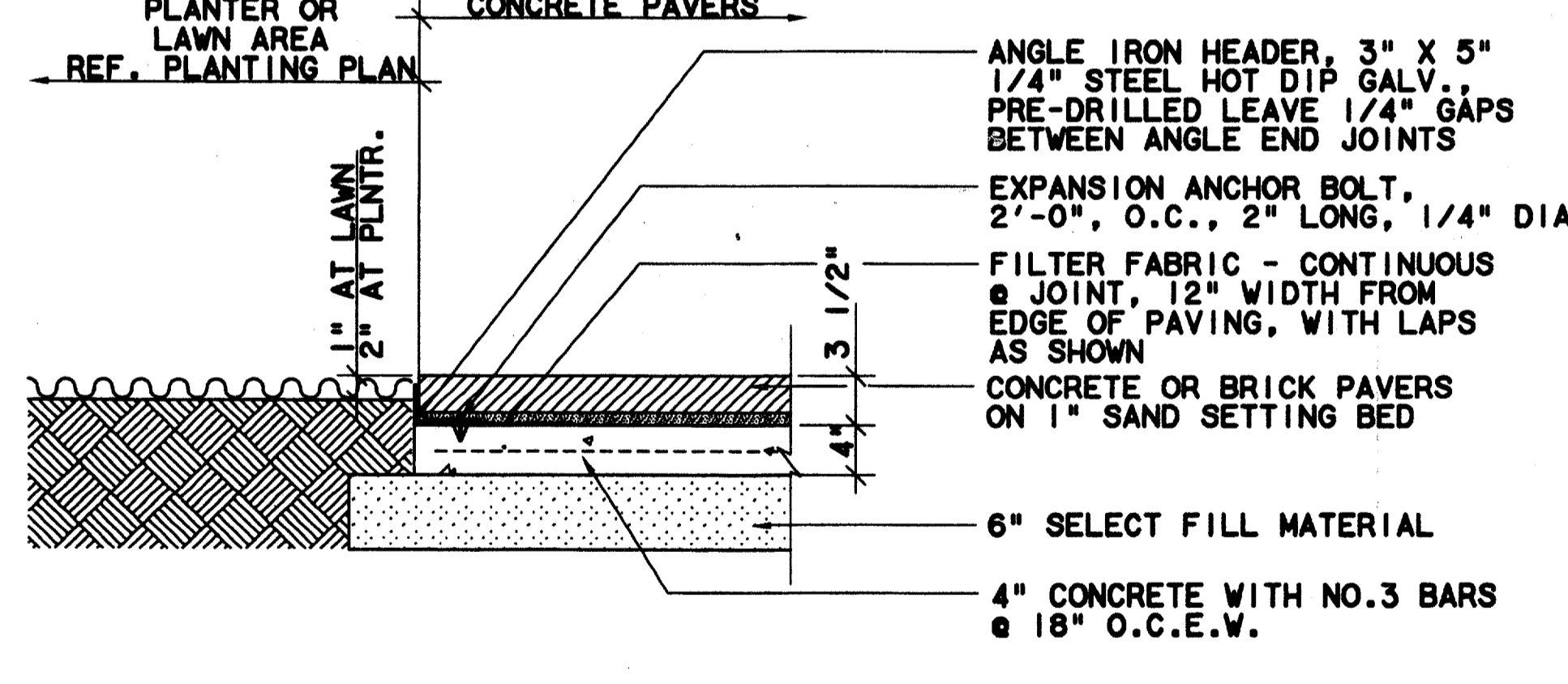
PAVERS @ CURB - SECTION
 SCALE: 1"=1'-0"
 5
 CC5-0009



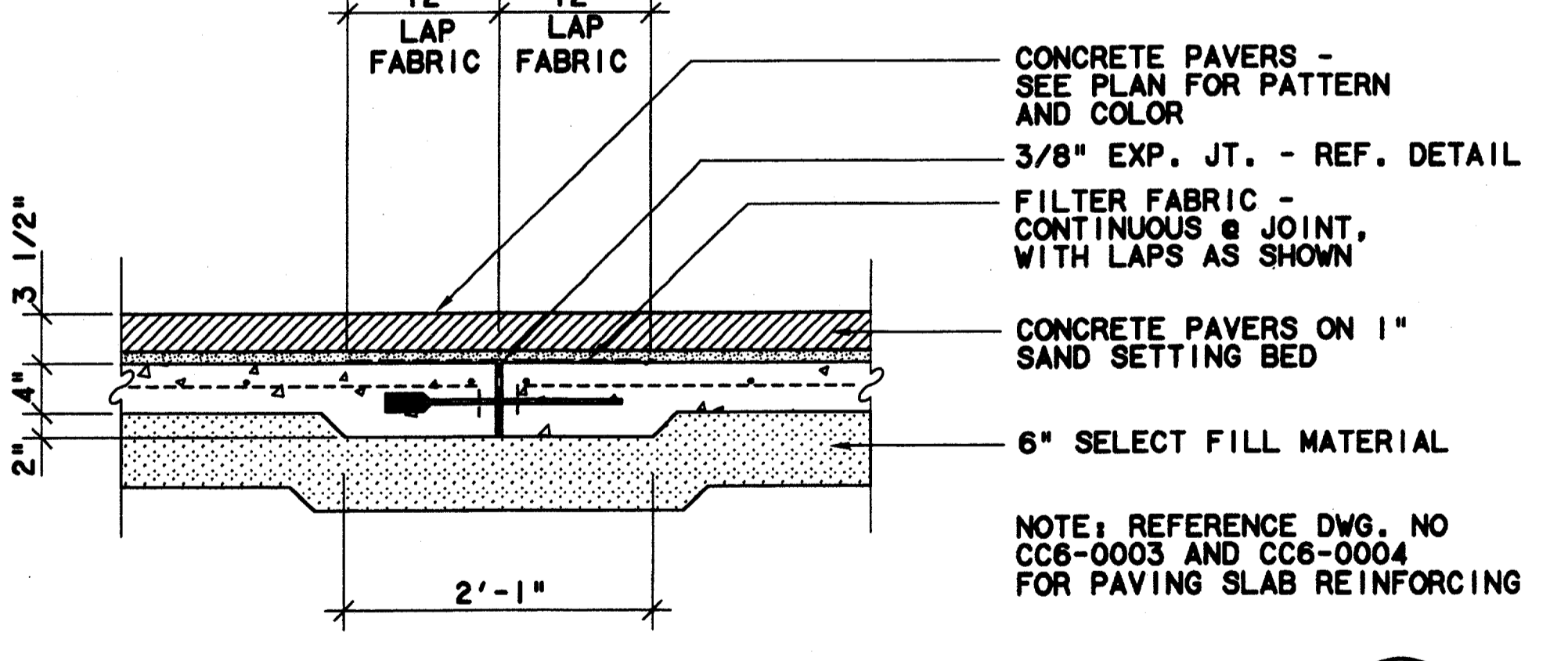
PAVERS @ BUILDING - SECTION
 SCALE: 1"=1'-0"
 2
 CC5-0009



PAVER INSET @ ROADWAY - CONCRETE SECTION
 SCALE: 1"=1'-0"
 9
 CC5-0010



PAVERS @ PLANTER - SECTION
 SCALE: 1"=1'-0"
 6
 CC5-0009
 CC5-0010

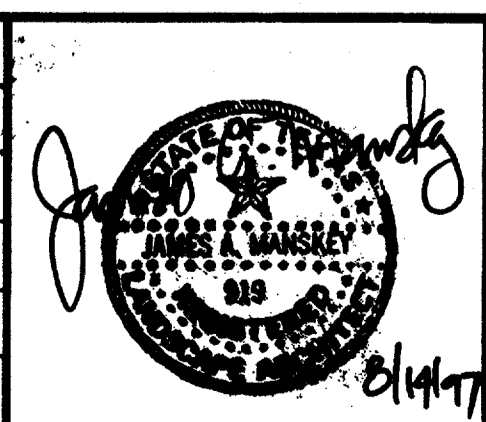


PAVERS OVER EXPANSION JOINT - SECTION
 SCALE: 1"=1'-0"
 3
 CC5-0008

CONFORMED

CONTRACT SHEET No. 47 OF 95

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



SWA Group
 2211 North Lamar
 Dallas, Texas 75202
 214-654-0016
 Landscape Architecture
 Site Planning
 Urban Design

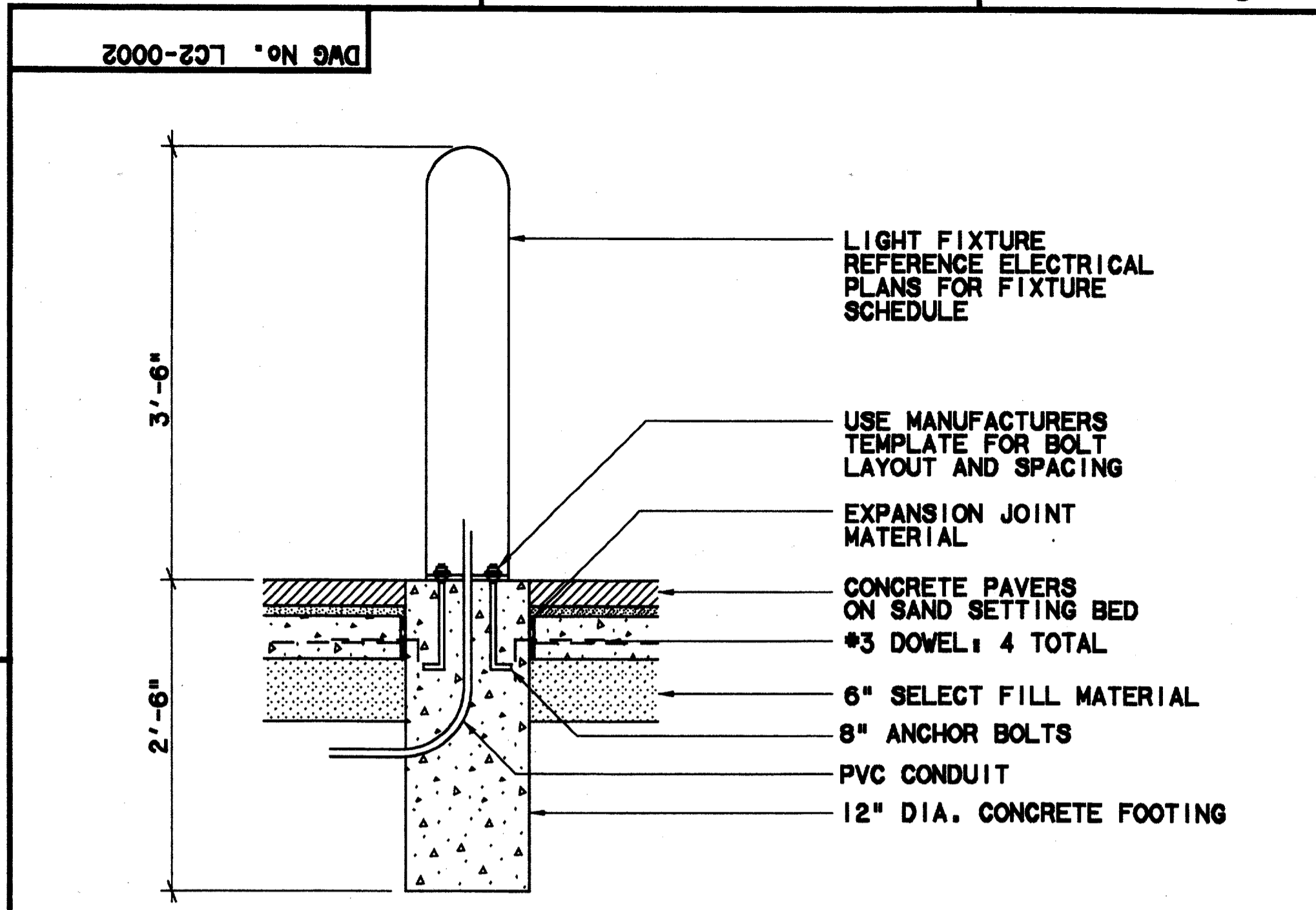
WLA
WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 1825 MARKET CENTER BLVD - SUITE 510
 DALLAS, TEXAS 75207
 (214) 746-7777

DART PROJECT

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

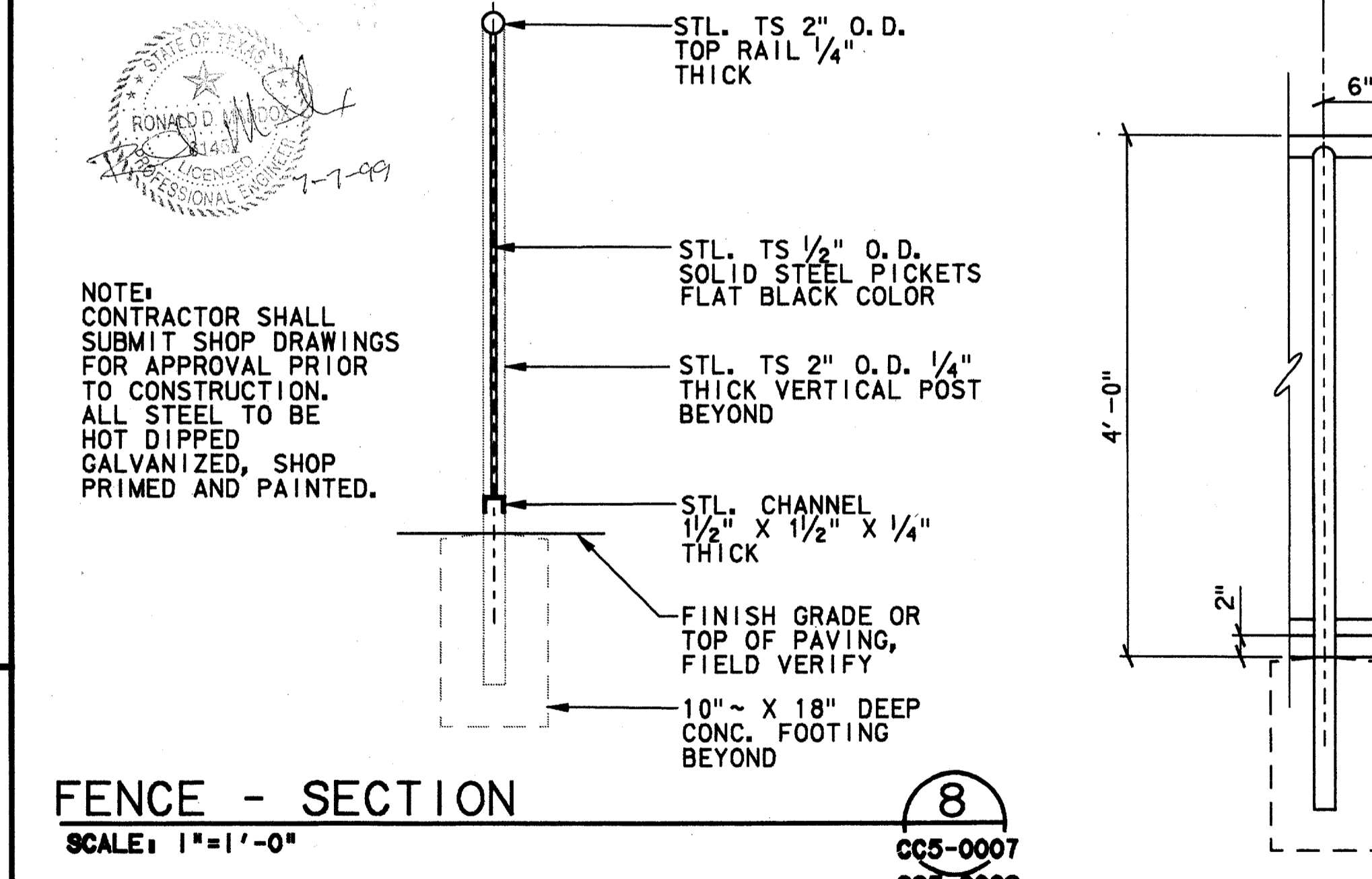
ADDISON TRANSIT CENTER HARDSCAPE DETAILS
 CONTRACT C-97000136
 DWG No. LC2-0001
 REV 0

\$\$\$SPECIFICATION\$\$\$
 \$\$\$SYTIME\$\$\$
 \$\$\$PRF\$\$\$
 \$\$\$USERNAME\$\$\$
 \$\$\$ROT\$\$\$
 \$\$\$PEN\$\$\$
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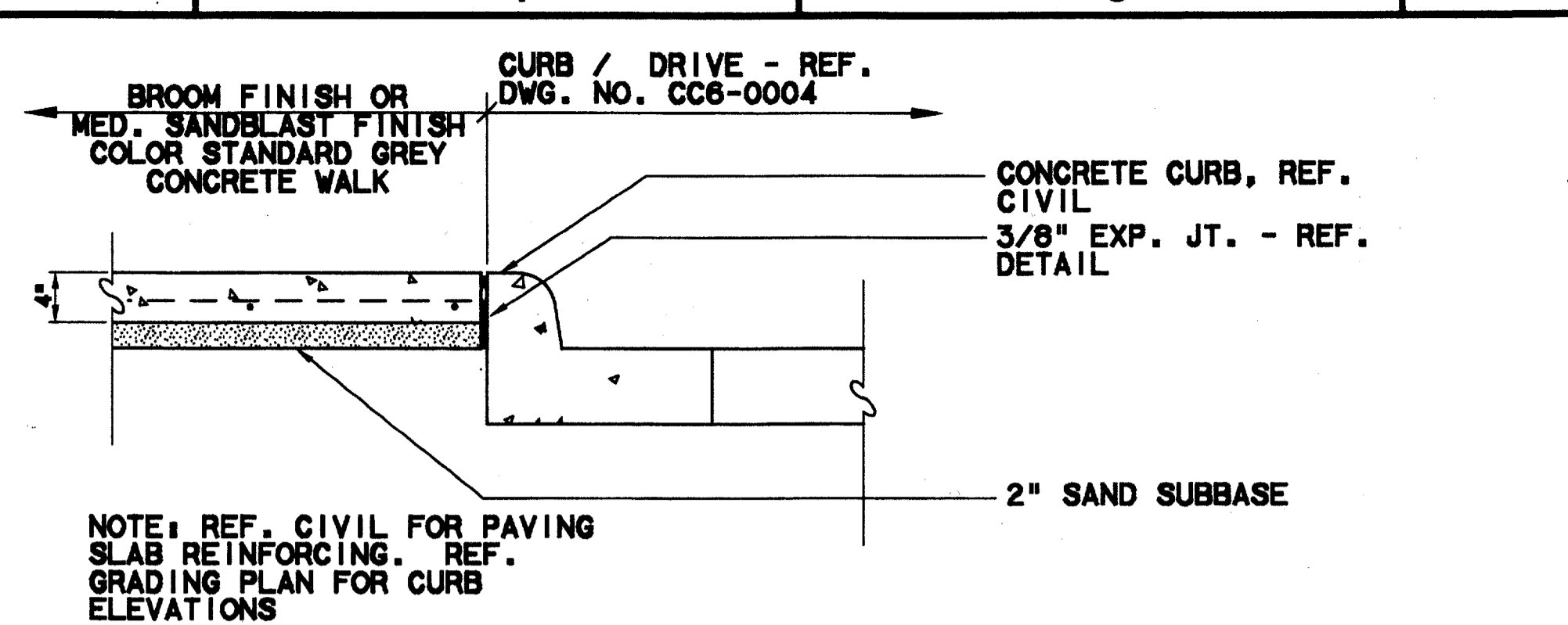


PAVERS @ LIGHT BOLLARD - SECTION
SCALE: 1"=1'-0" CC5-0009

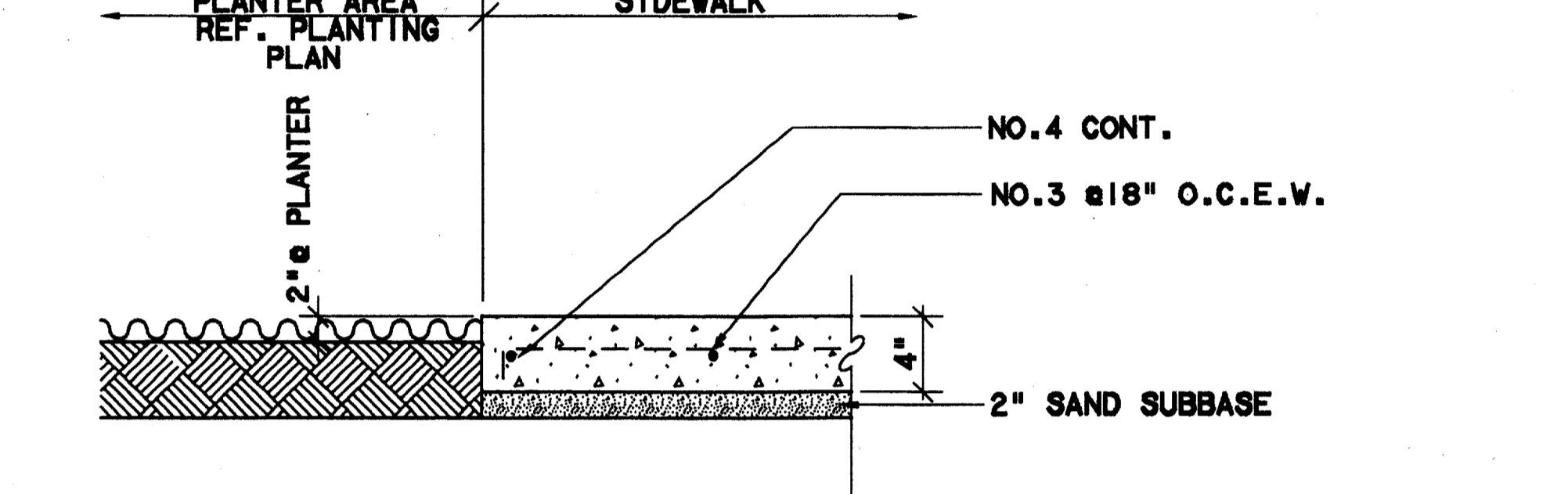
Record (As-built) Certification
 "Having checked this submission, we certify that it conforms to the requirements of the contract in all respects, except as otherwise indicated."
 Contract Number: 97000136
 Company Name: DE SALDO
 Officer of Firm Signature: [Signature]
 Date: 1/11/99
 Title of Officer (typed): TOM KADEK, PRESIDENT
 Seal of Professional Engineer of Construction Contractor, including signature and date, thereby sealing (and making) drawings for accuracy of work, conditions reflected herein, must be placed below.



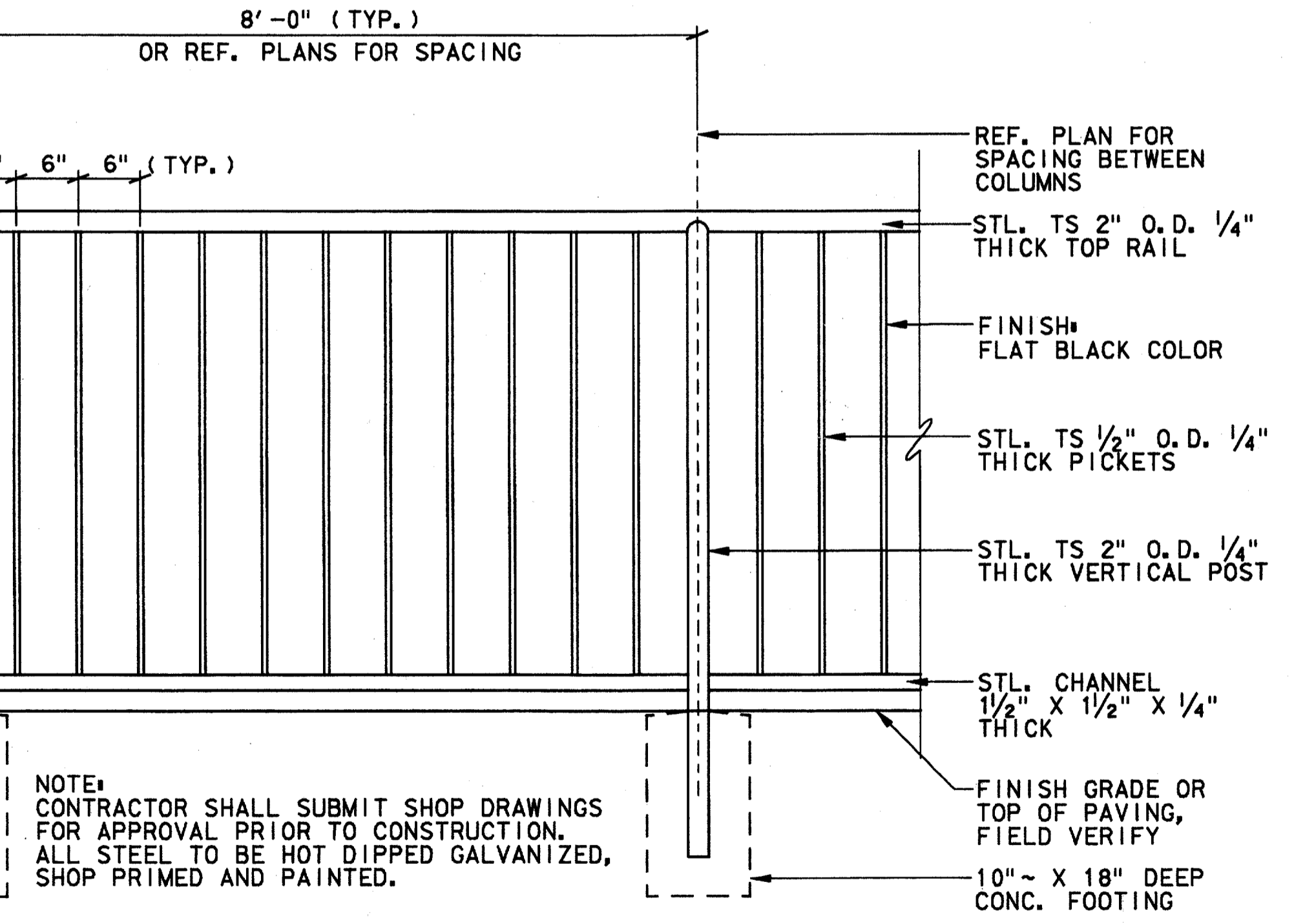
FENCE - SECTION
SCALE: 1"=1'-0" CC5-0007 CC5-0009



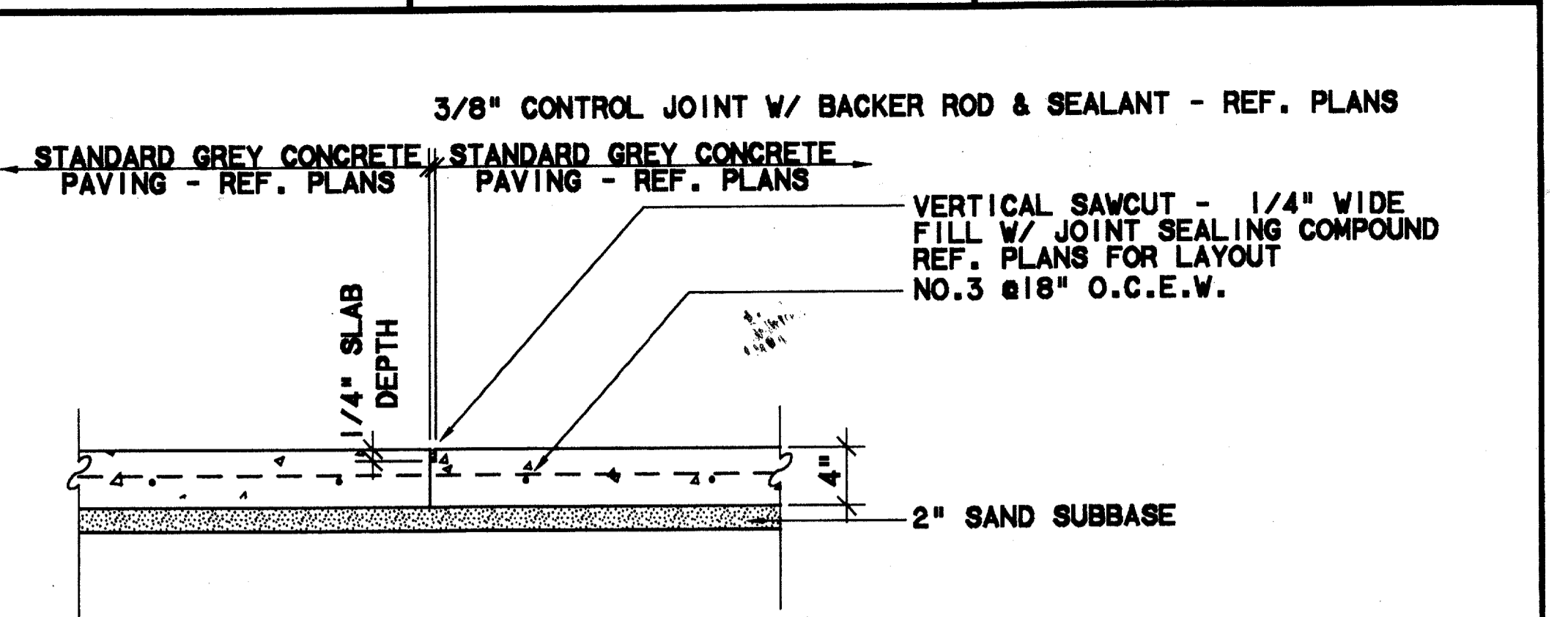
CONC. WALK @ CURB - SECTION
SCALE: 1"=1'-0" CC5-0007 CC5-0010



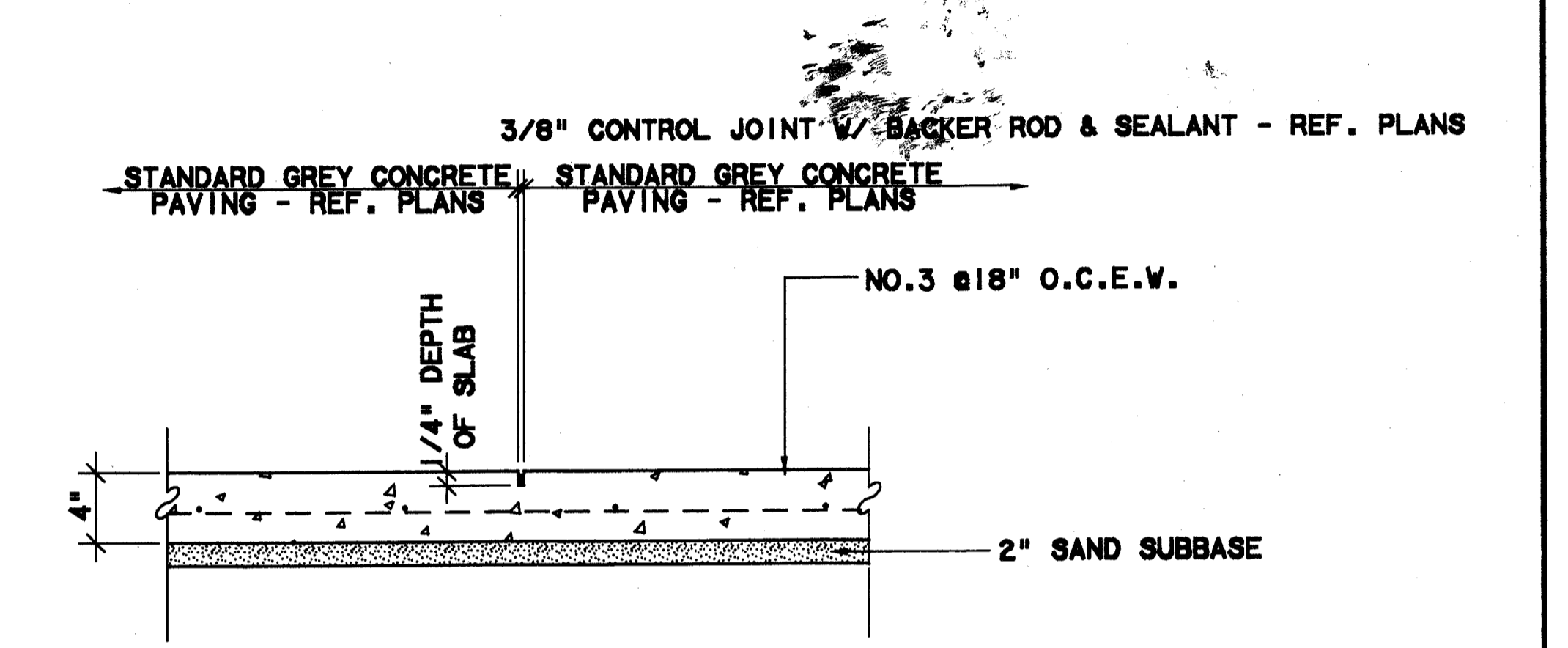
CONC. WALK @ PLANTER - SECTION
SCALE: 1"=1'-0" CC5-0007 CC5-0010



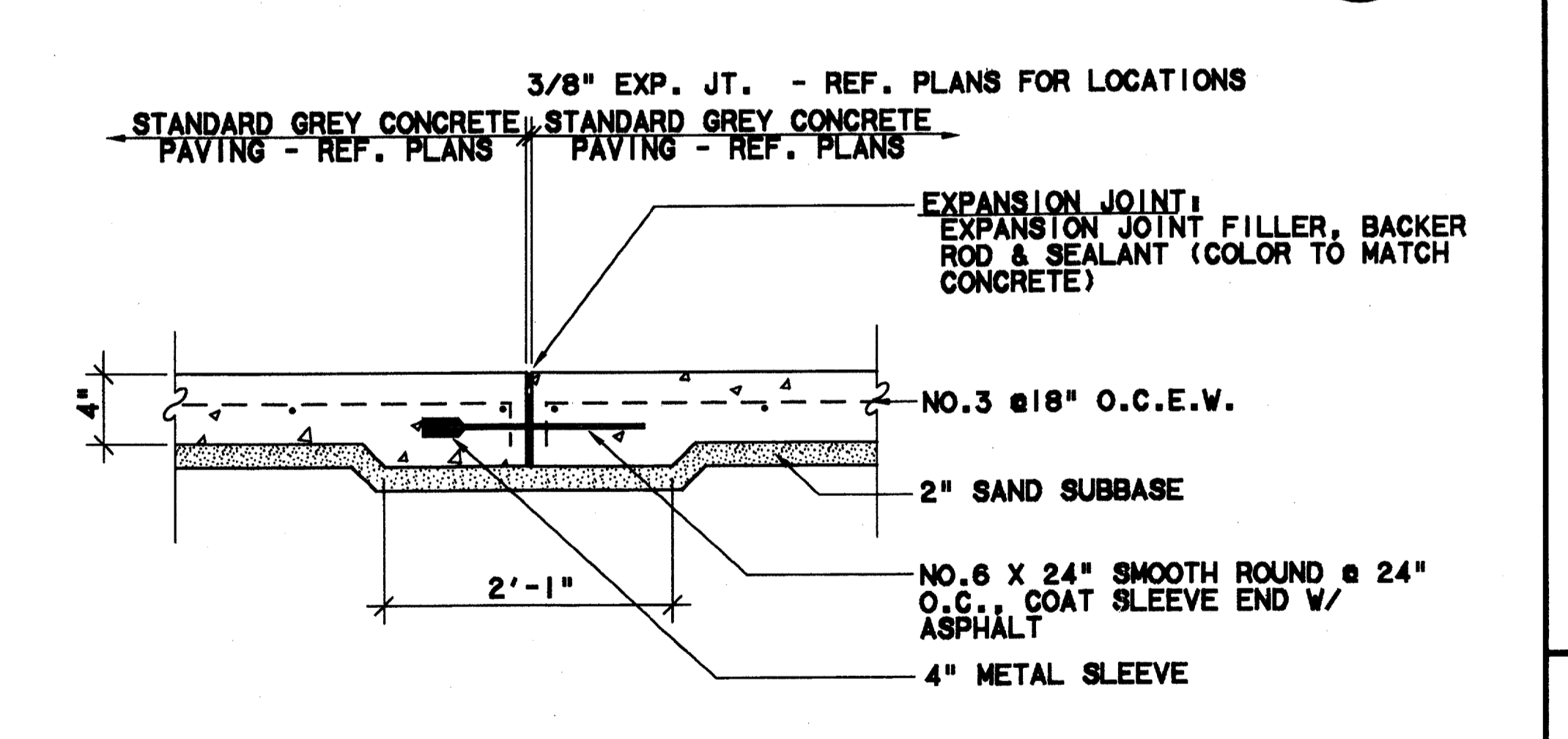
FENCE - ELEVATION
SCALE: 1"=1'-0" CC5-0007 CC5-0009



CONSTRUCTION JOINT - SECTION
SCALE: 1"=1'-0"



CONTROL JOINT - SECTION
SCALE: 1"=1'-0" CC5-0007



EXPANSION JOINT - SECTION
SCALE: 1"=1'-0" CC5-0007

CONFORMED

CONTRACT SHEET No. 48 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

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

DART PROJECT

SCALE: AS NOTED

DRAWN: M. AVETON

DESIGNED: G. MILLER

CHECKED: G. MILLER

IN CHARGE: V. STEVENS

DATE: 14 AUGUST 97

ADDISON TRANSIT CENTER

HARDSCAPE DETAILS

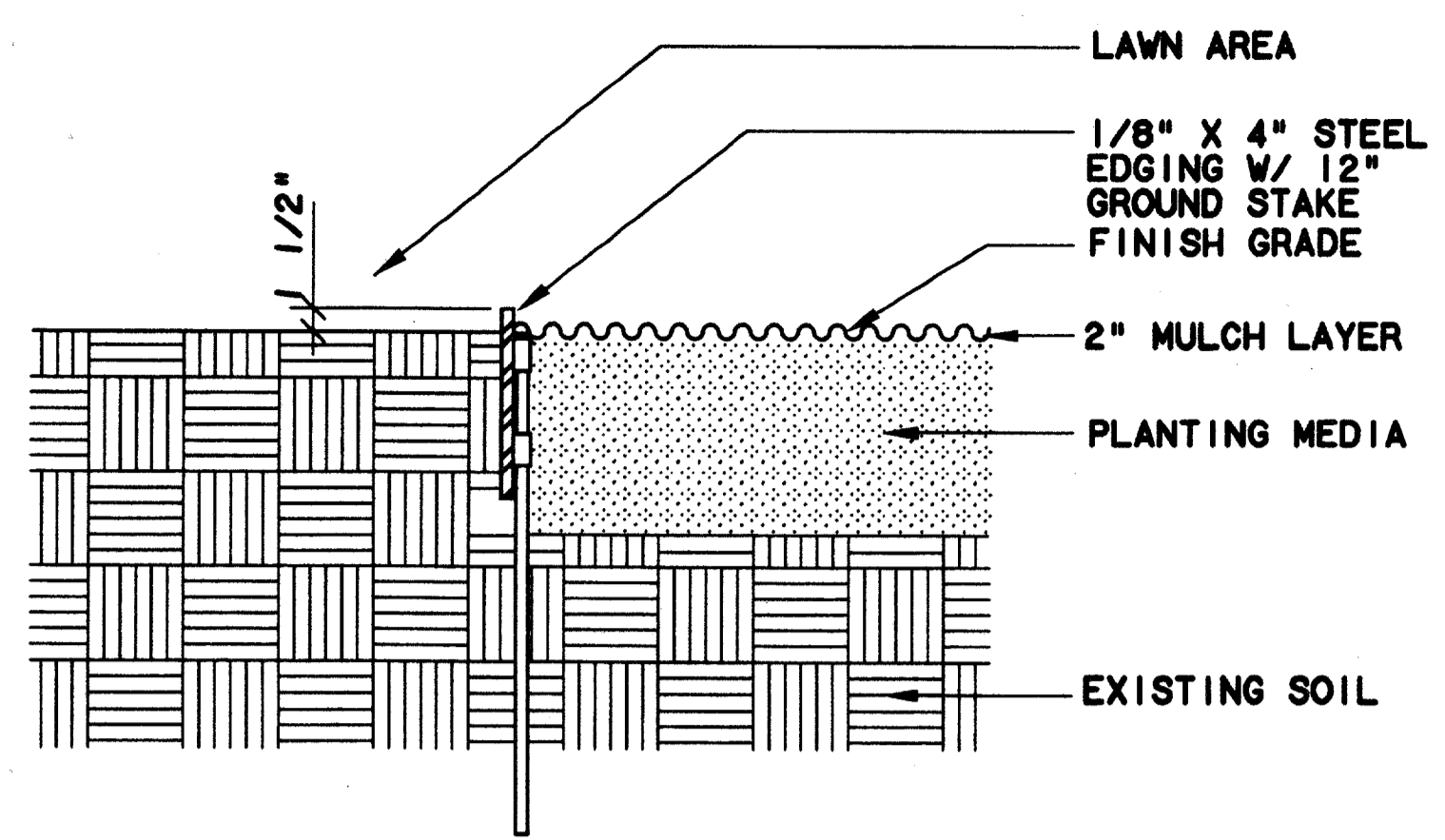
CONTRACT: C-97000136

DWG No. LC2-0002

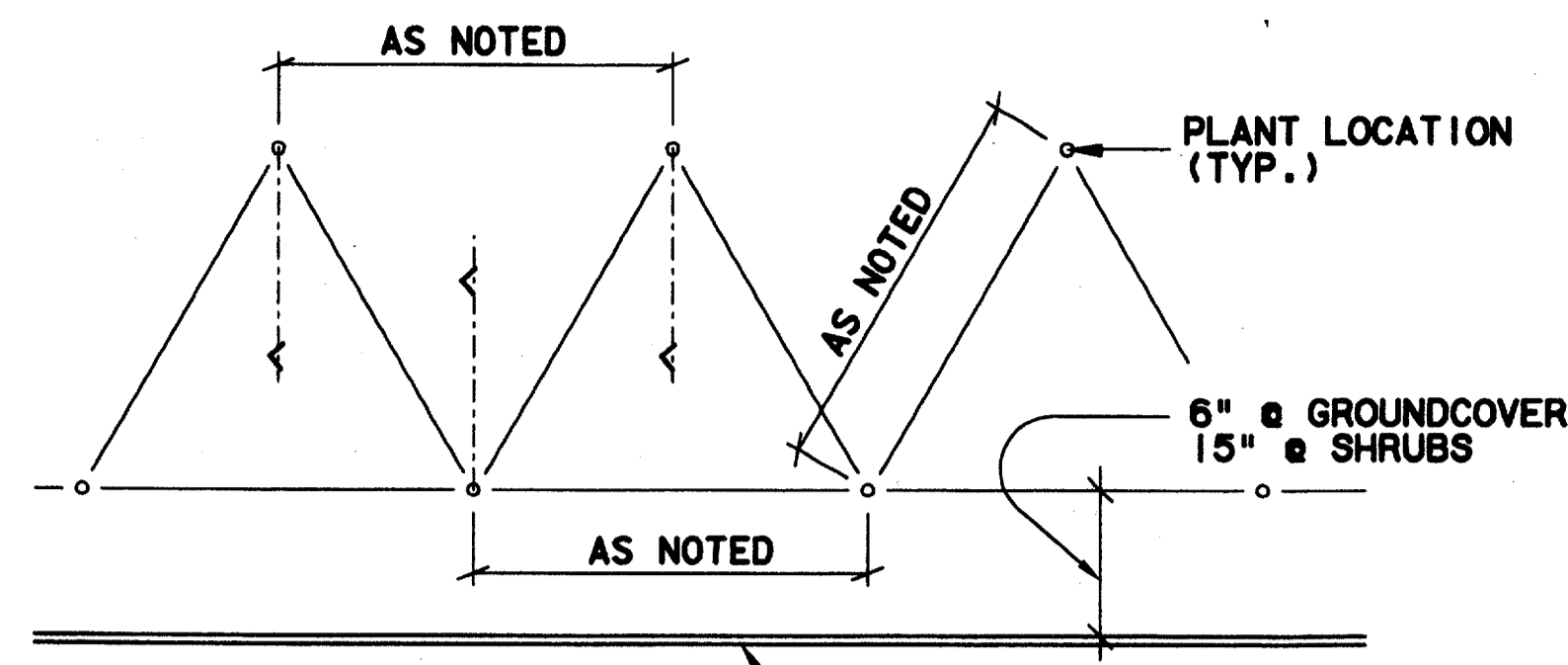
REV 0

\$\$\$DGN SPECIFICATIONS\$\$\$
 \$\$\$SYTIME\$\$\$
 \$\$\$PRF\$\$\$
 \$\$\$SERNAME\$\$\$
 \$\$\$PRF ROT\$\$\$
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 \$\$\$FILE10\$\$\$
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 \$\$\$FILE3\$\$\$
 \$\$\$FILE4\$\$\$
 \$\$\$FILE5\$\$\$

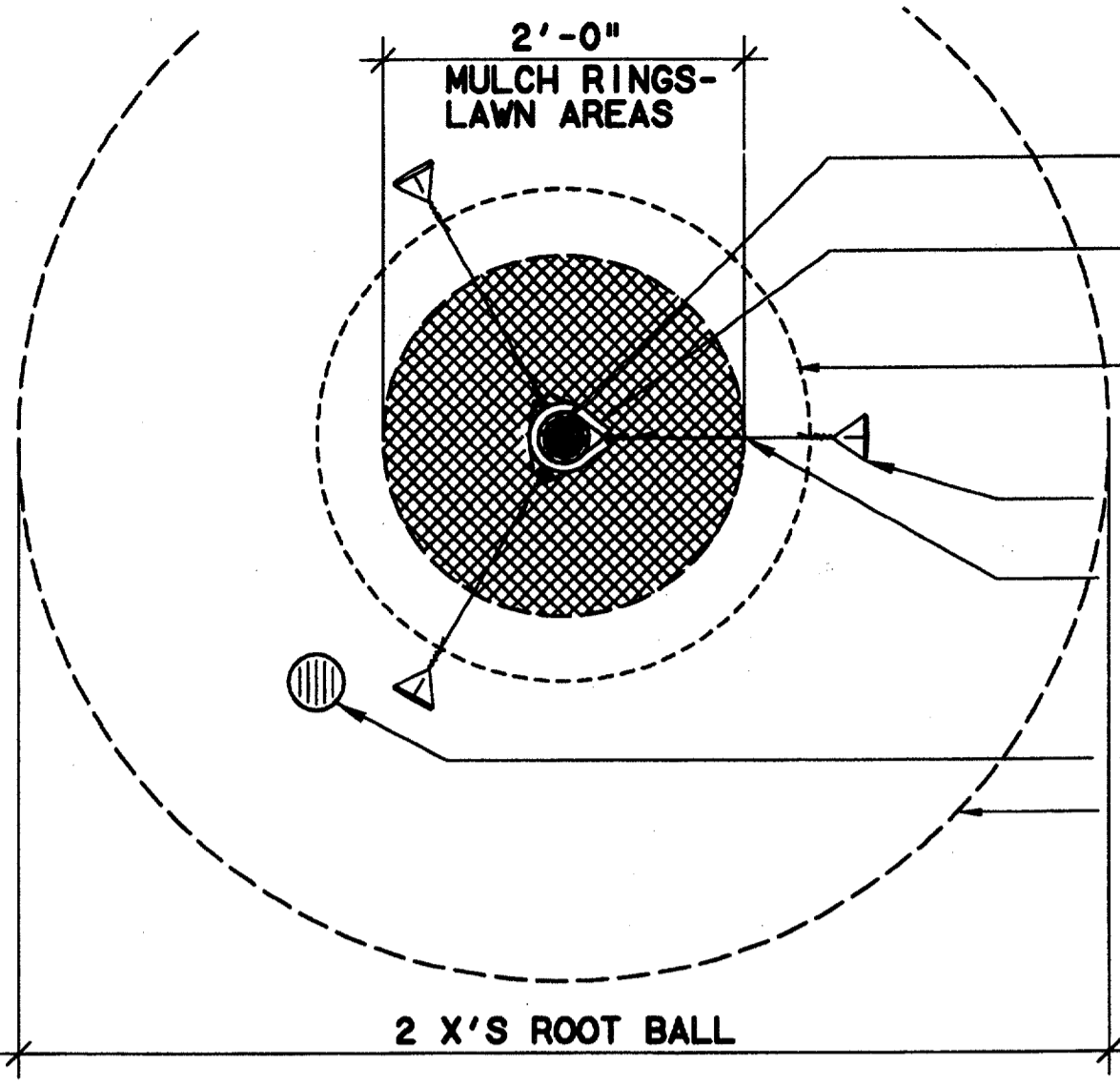
DWG No. LC2-0003



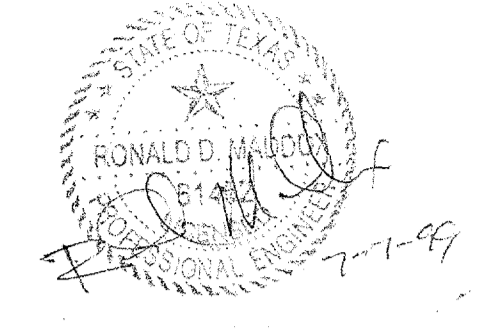
STEEL EDGING - SECTION
N.T.S. (6)



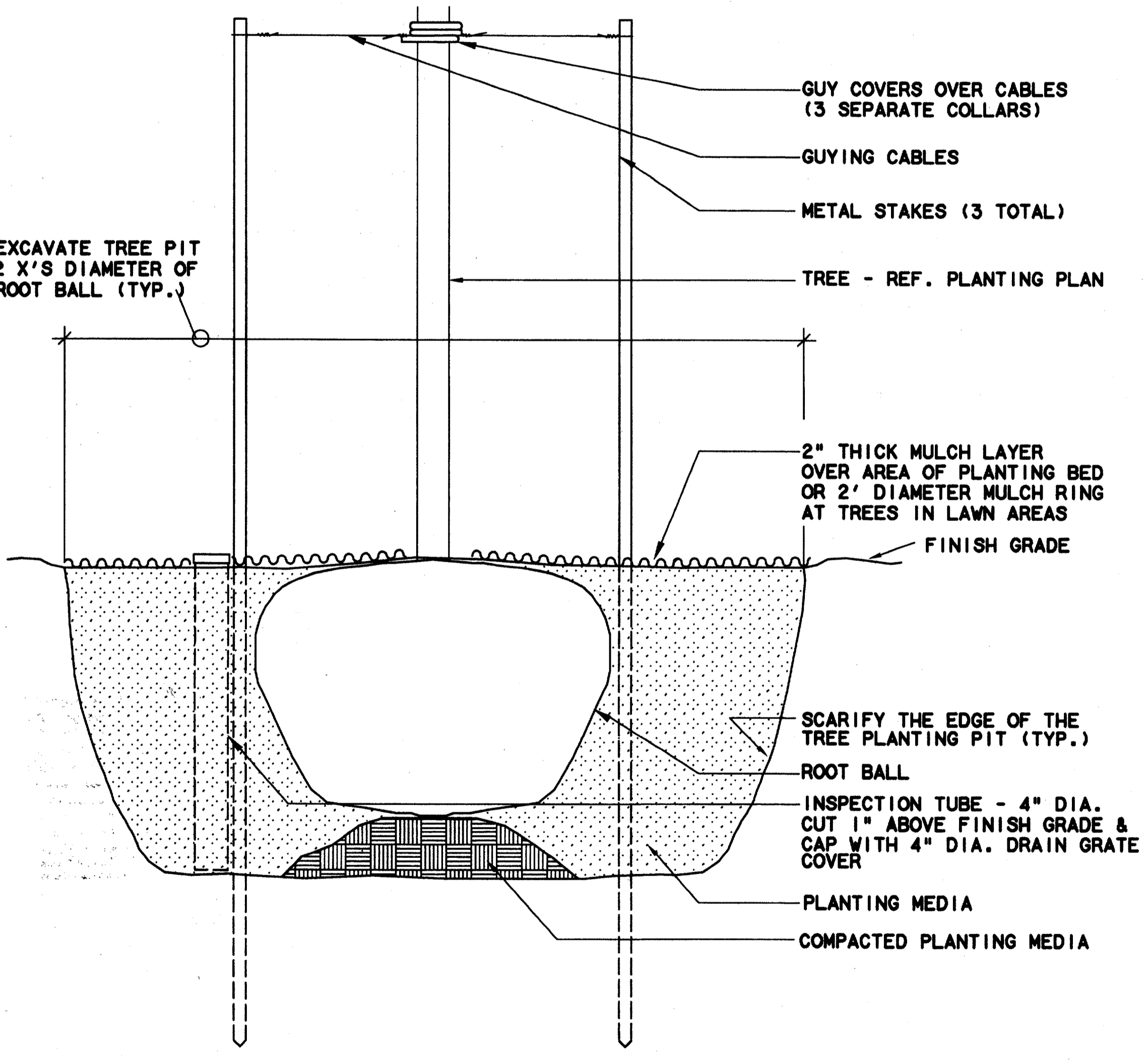
TRIANGULAR SPACING - PLAN
N.T.S. (5)



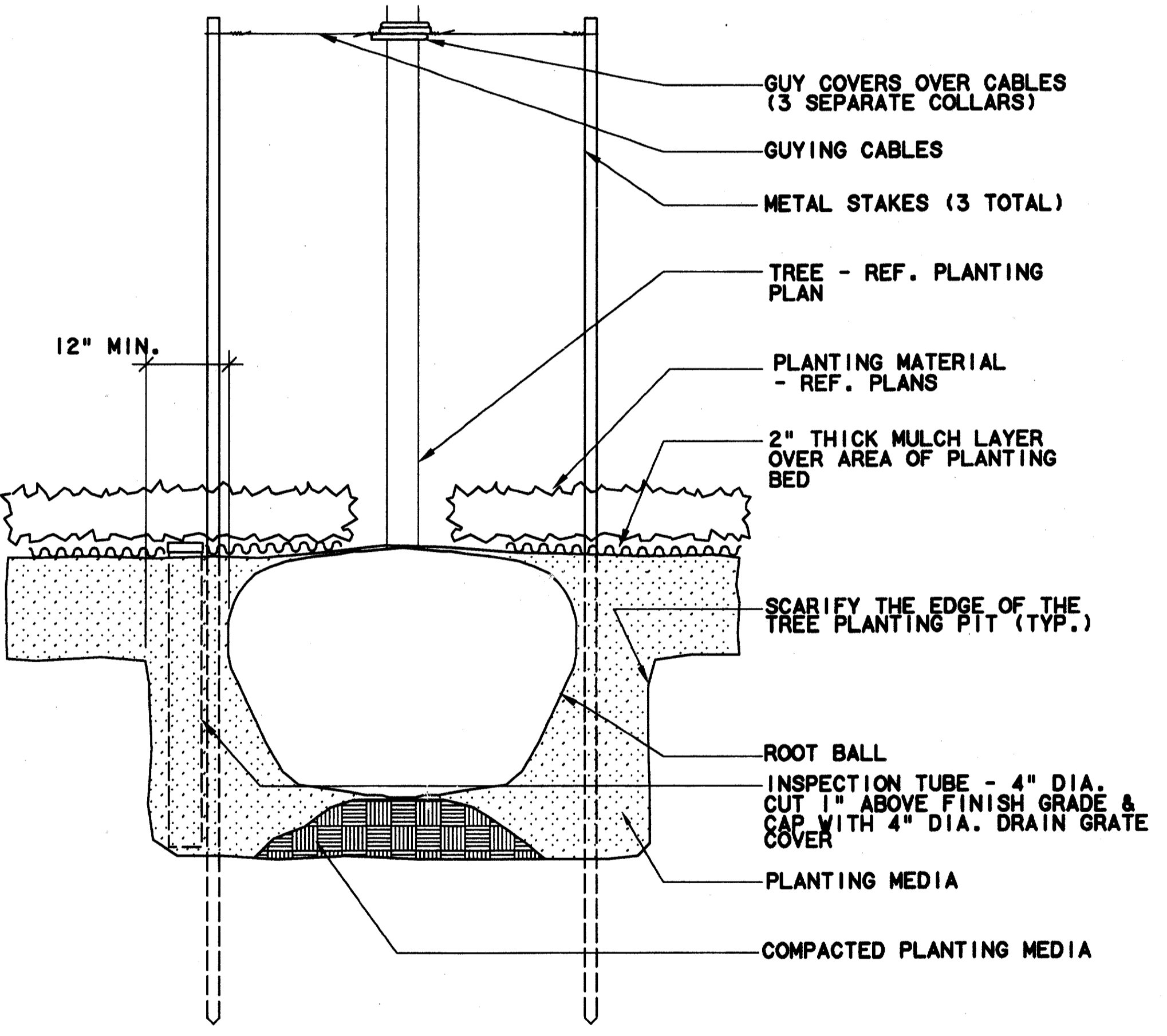
TYPICAL TREE STAKING - PLAN
N.T.S. (3)



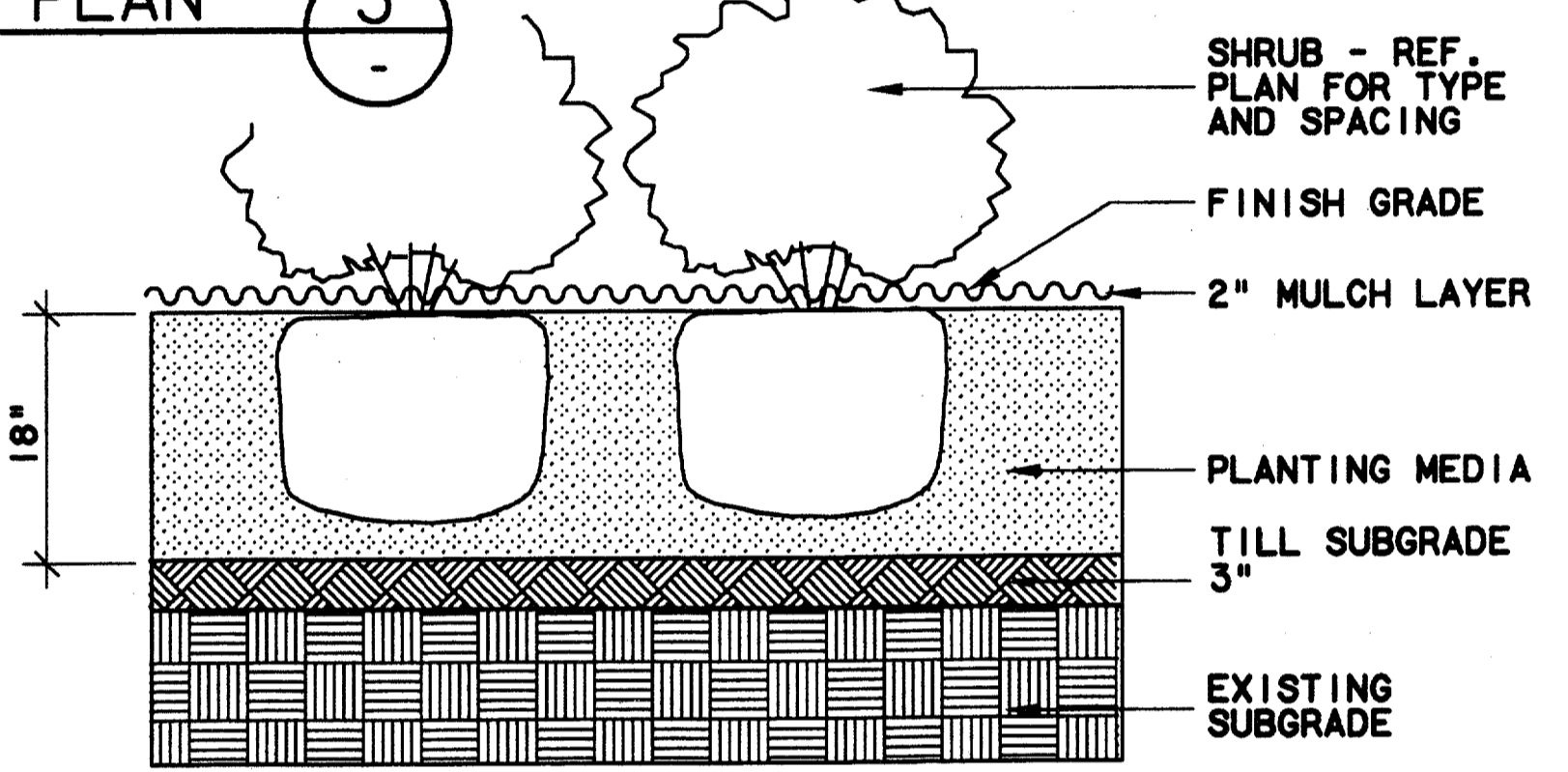
Record (As-built) Certificate
 Having checked this submission, we certify that it conforms to the requirements of the contract as all suggestions and other amendments thereto have been incorporated.
 Contract Number: 97000136
 Company Name: WEA
 Officer of Firm Signature: Tom Kader
 Date: 7/14/97
 Title of Officer: President
 Seal of Professional Engineer Wendy Lopez & Associates, Inc. including registration and date, thereby certifying that the drawings for recording are in full compliance with the requirements of the contract as noted below.



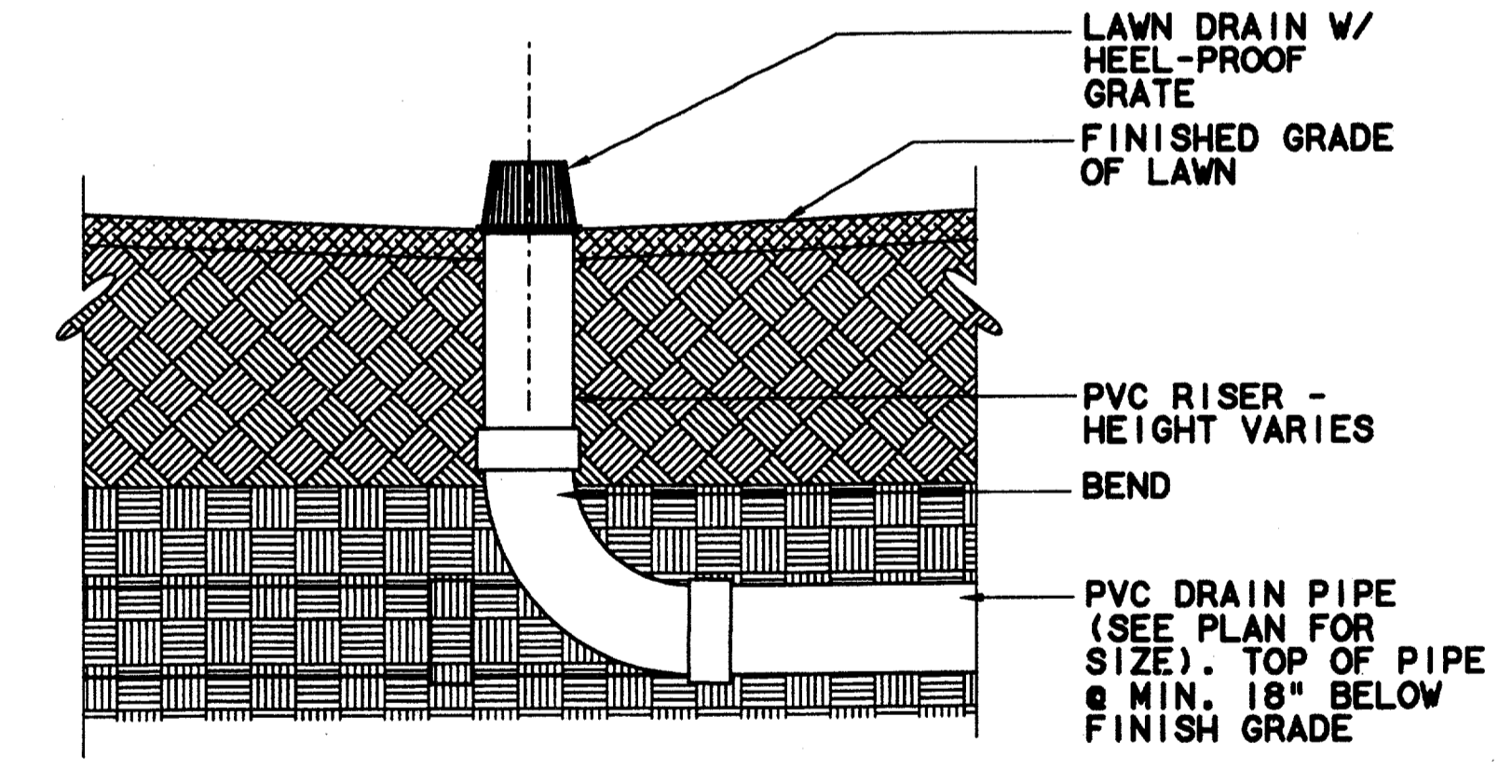
TREE STAKING @ LAWN - SECTION
N.T.S. (7)



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



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



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

CONFORMED

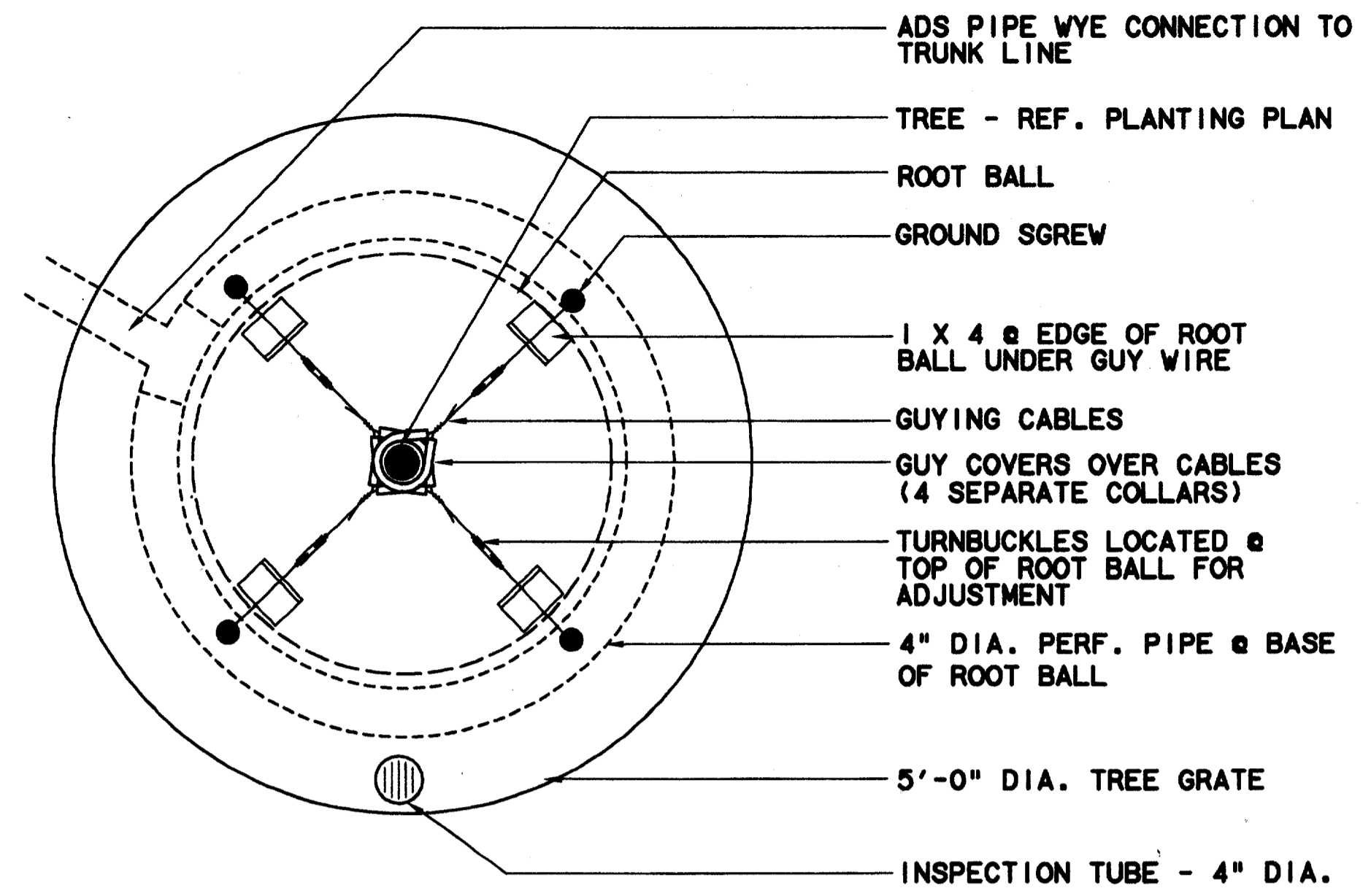
CONTRACT SHEET No. 49 OF 95

**ADDISON
TRANSIT CENTER
PLANTING DETAILS**

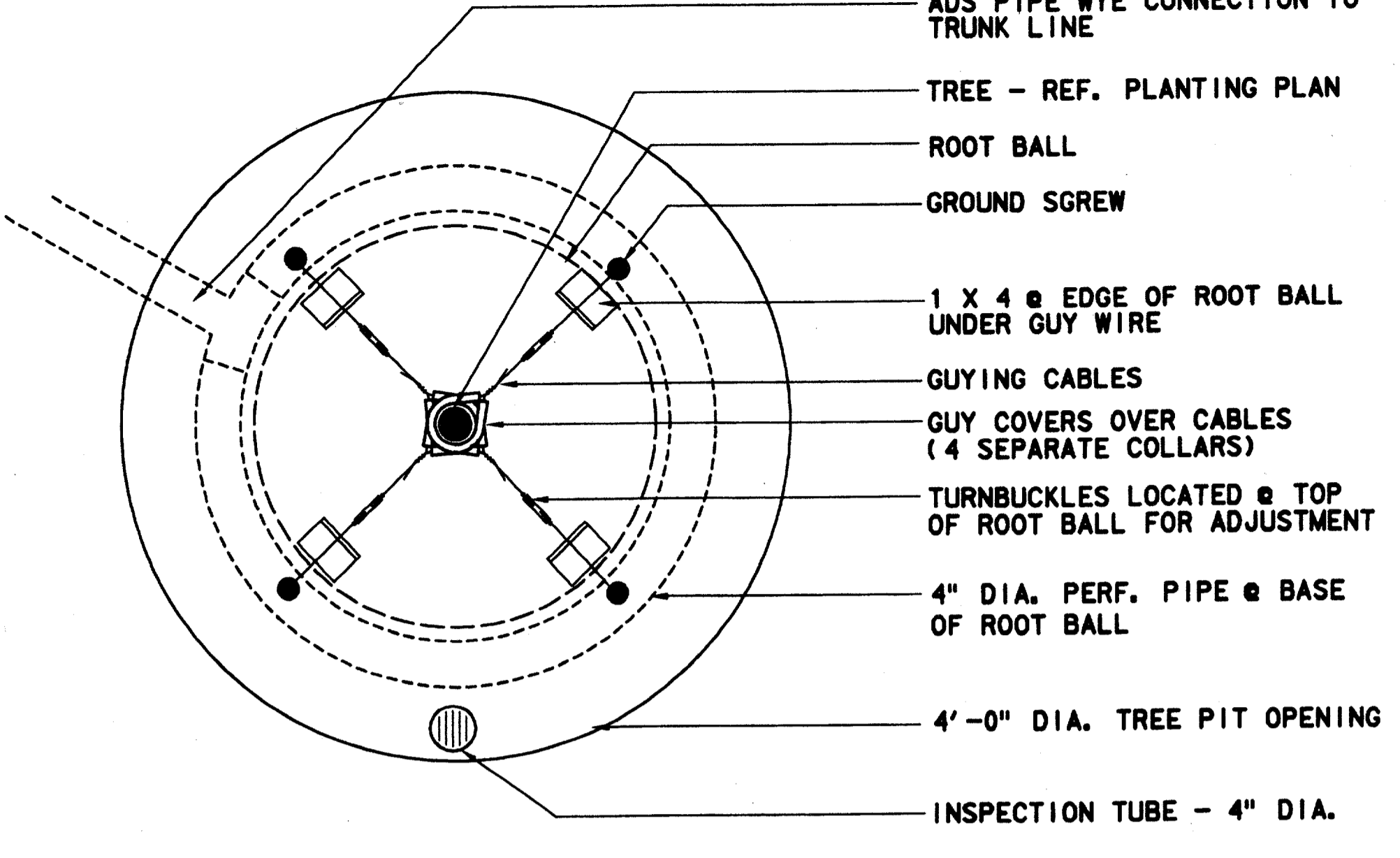
REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP

 SWA Group 2221 North Lamar Dallas, Texas 75202 214-954-8210	 WENDY LOPEZ & ASSOCIATES, INC. ENGINEERING • SURVEYING • CONSTRUCTION SERVICES 1825 MARKET CENTER BLVD - SUITE 310 DALLAS, TEXAS 75207 (214) 741-7777	DART PROJECT 	SCALE: AS NOTED	CONTRACT C-97000136	DWG No. LC2-0003	REV 0
			DRAWN: N. AVETON			
DESIGNED: C. MILLER						
CHECKED: C. MILLER						
IN CHARGE: V. STEVENS						
DATE: 14 AUGUST 97						

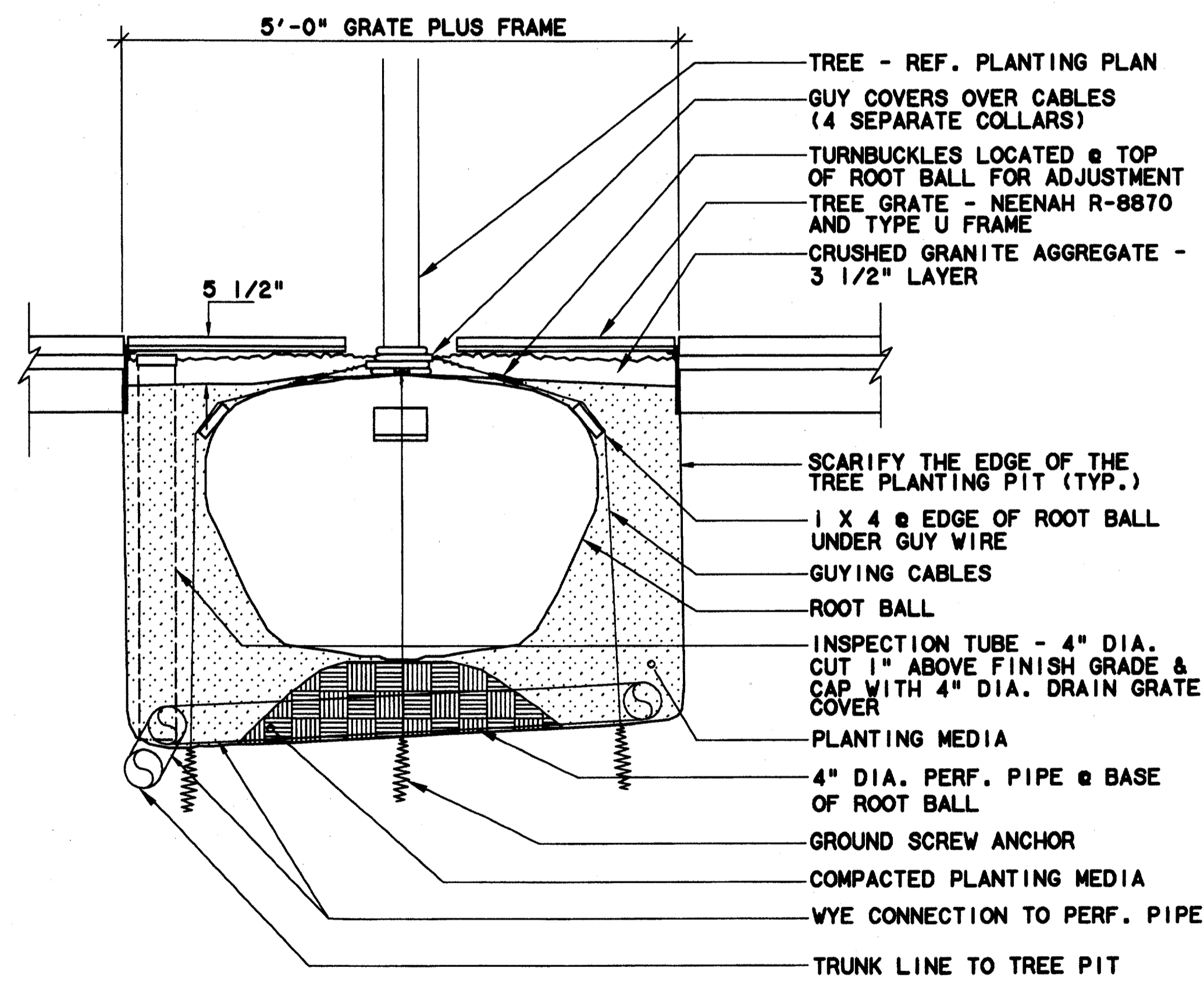
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 \$\$\$PEN\$\$\$
 \$\$\$PRF TIME\$\$\$
 \$\$\$SYTIME\$\$\$
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 \$\$\$FILE5\$\$\$



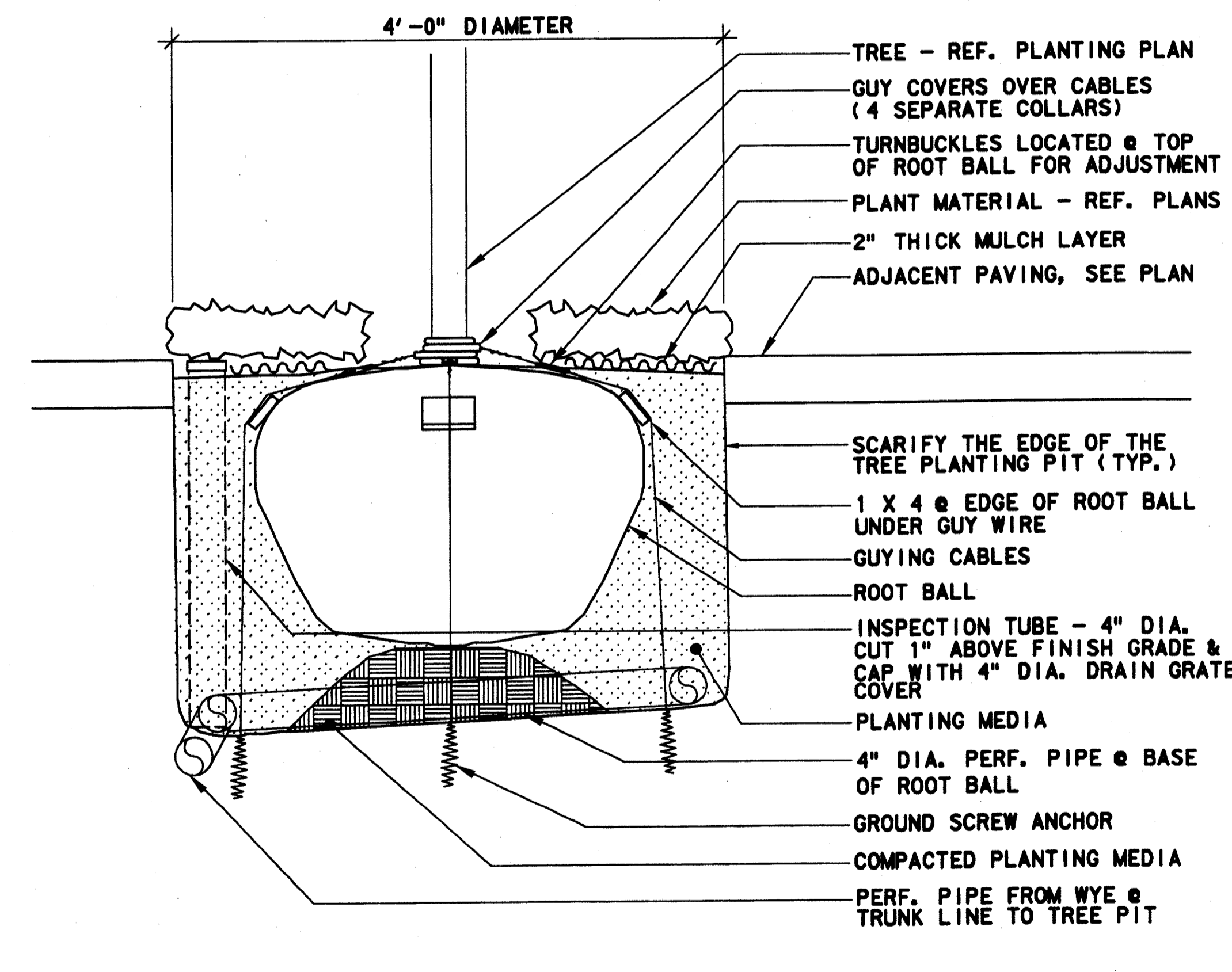
TREE PLANTER @ TREE GRATE - PLAN
N.T.S. 3



TREE PLANTER PIT - PLAN
N.T.S. 1

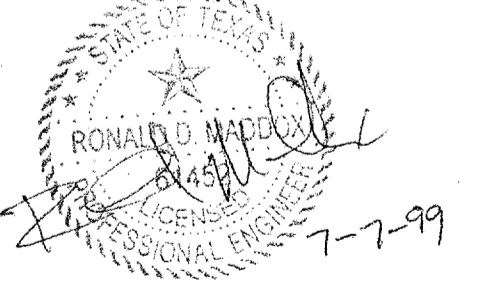


TREE GUYING @ TREE GRATE - SECTION
N.T.S. 4



TREE GUYING @ OPENING - SECTION
N.T.S. 2

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: 1700036
 Company Name: FIDALCO
 Officer of Firm Signature: [Signature]
 Date: 7-7-99
 Title of Officer (typed): TOM KADER, PRESIDENT



CONFORMED

CONTRACT SHEET No. 50 OF 95

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

2211 North Lamar
 Dallas, Texas 75202
 214-864-0016

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

DART PROJECT

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**

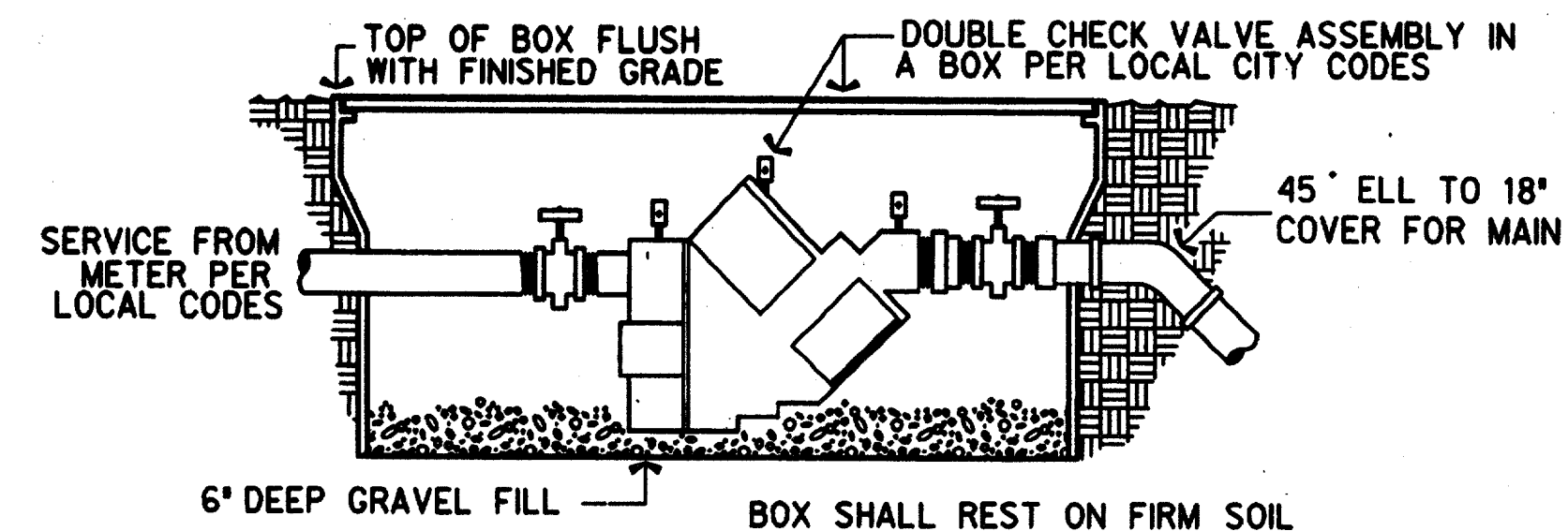
CONTRACT C-97000136

DWG No. LC2-0004

REV 0

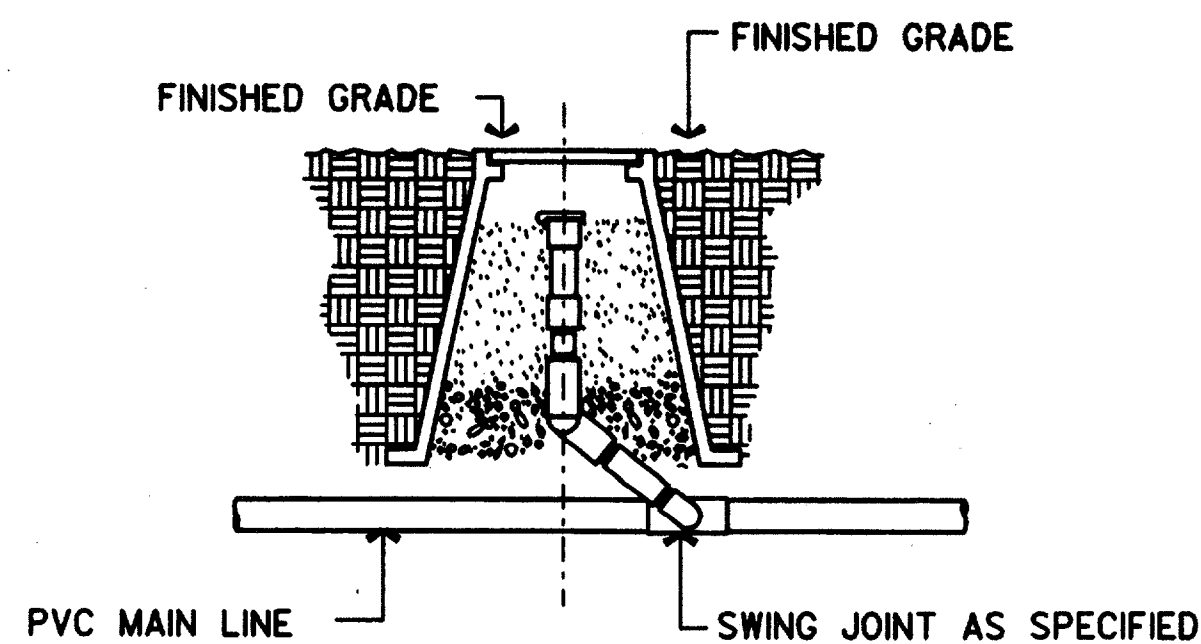
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5000-237 ON DMG



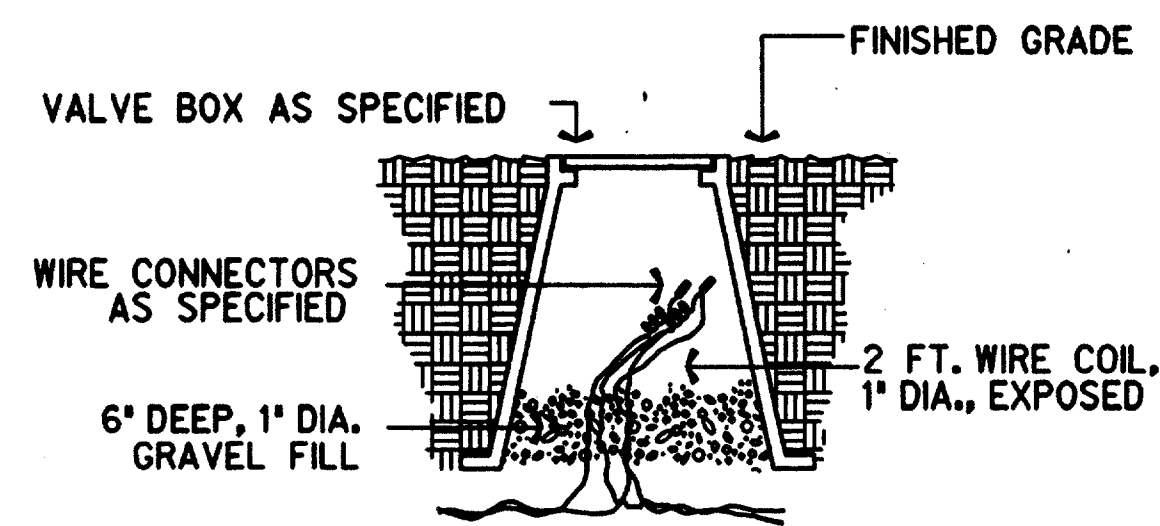
TYPICAL DOUBLE CHECK VALVE ASSEMBLY

NOT TO SCALE



TYPICAL QUICK COUPLING VALVE

NOT TO SCALE

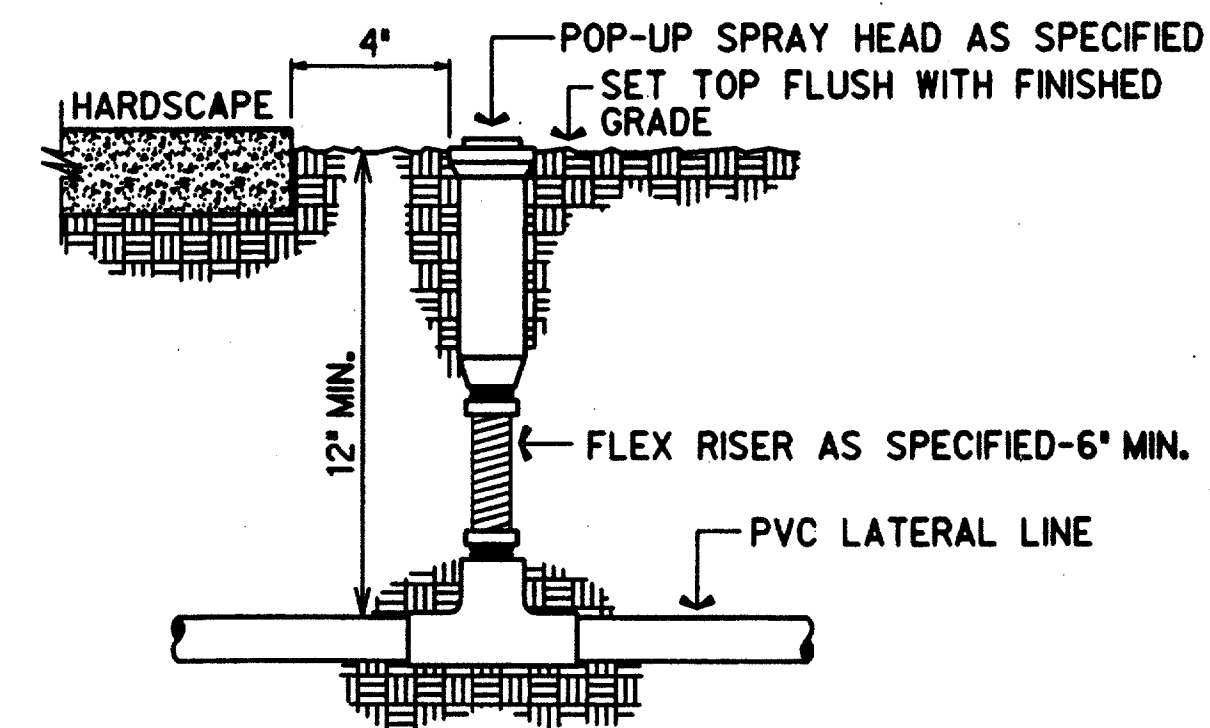


TYPICAL WIRE SPLICE DETAIL

NOT TO SCALE

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



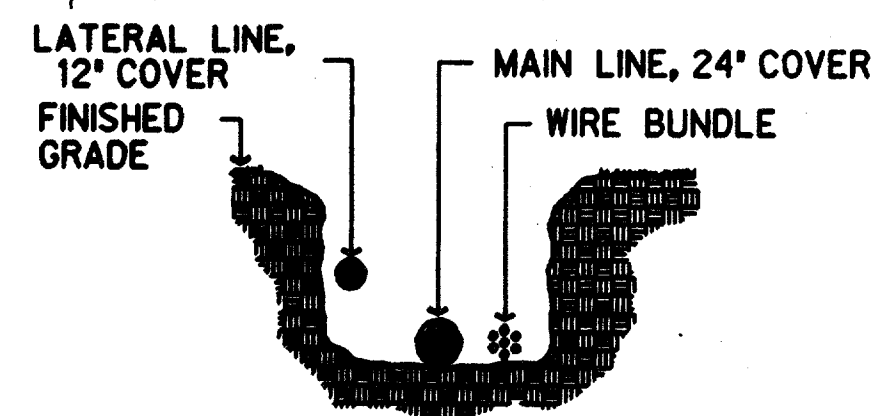
TYPICAL POP-UP HEAD

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

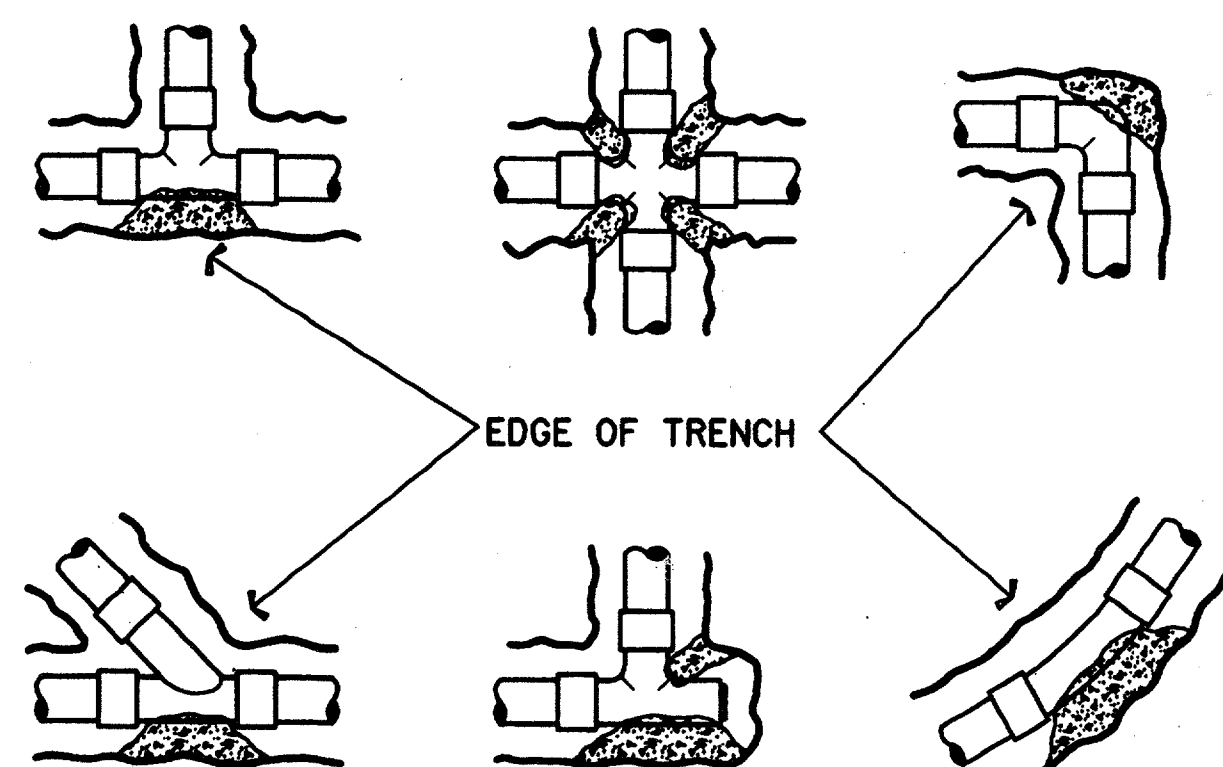
SLEEVE SCHEDULE



PIPE SHALL REST FIRMLY ON TRENCH BOTTOM BUNDLE WIRE AT 20' INTERVALS. SNAIL PIPE IN TRENCH FROM SIDE TO SIDE DO NOT STACK PIPES IN THE TRENCH PROVIDE HORIZONTAL SEPARATION.

TYPICAL TRENCH DETAIL

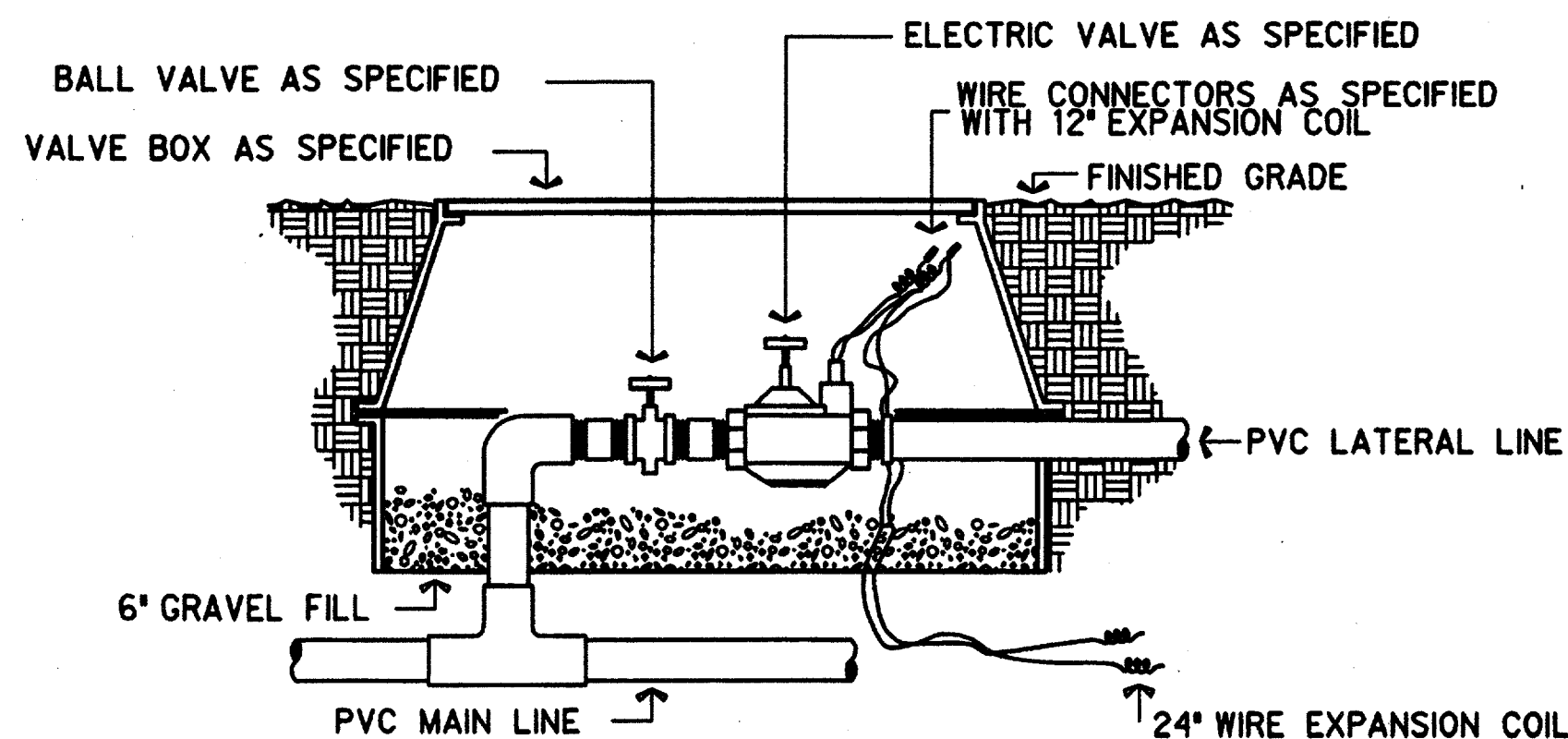
NOT TO SCALE



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

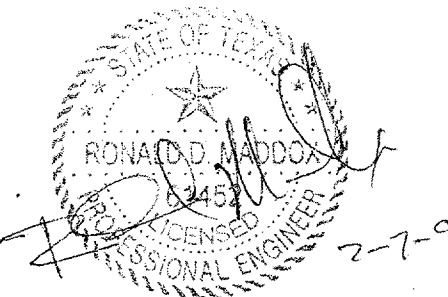
NOT TO SCALE



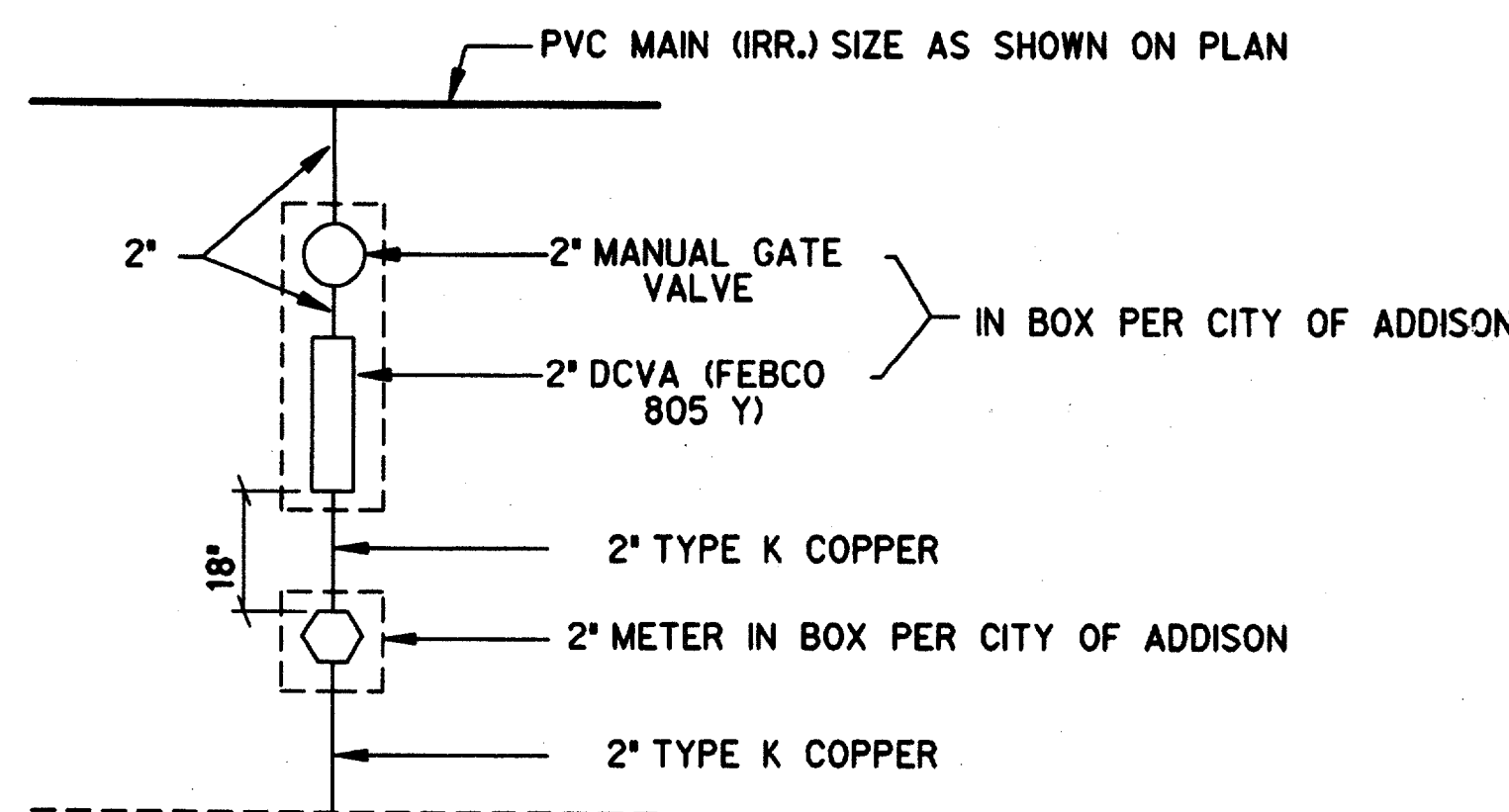
TYPICAL ELECTRIC VALVE DETAIL

NOT TO SCALE

Record (As-built) Certification
 "Having observed this construction, we certify that it complies with the requirements of the contract on all points, except as otherwise indicated."
 Contract Number: 2700136
 Company Name: HALFF ASSOCIATES, INC.
 Officer of Firm Signature: [Signature]
 Date: [Date]
 Officer of Firm Name (Typed): TOM KADER, PRESIDENT
 Title of Officer (Typed): PRESIDENT
 Seal of Professional Engineer or Construction Contractor including signature and date. The seal, which is a seal of a professional engineer or construction contractor, shall be placed below.

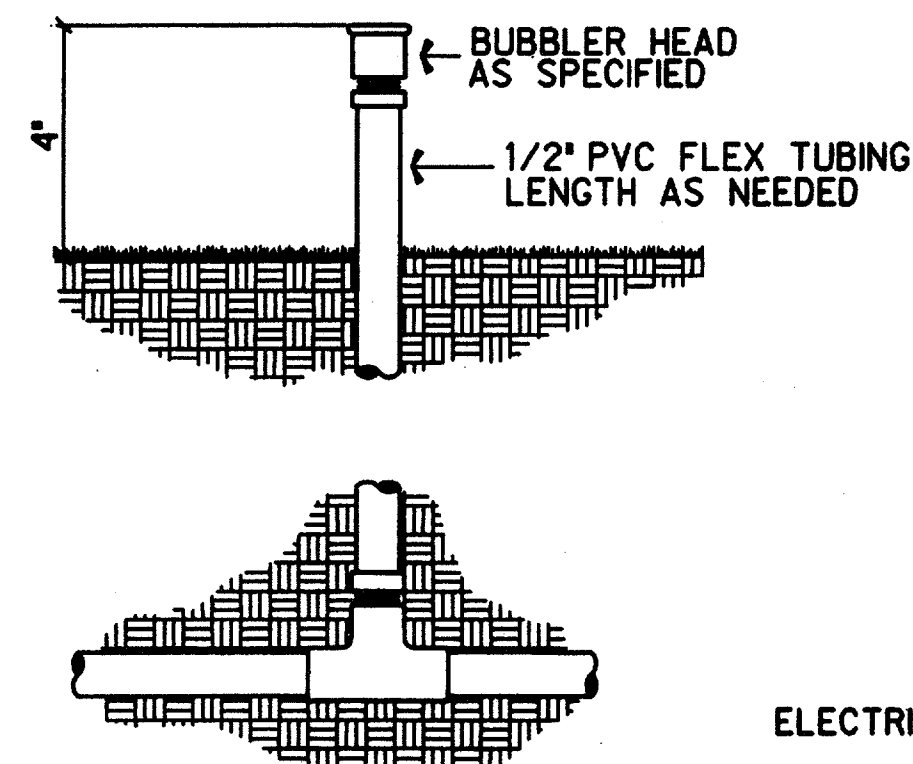


THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY E. BRIAN BRISTOW, L.I. 4639 ON AUG. 13, 1997. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE LICENSED IRRIGATOR IS AN OFFENSE UNDER THE TEXAS LICENSED IRRIGATORS ACT. THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE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



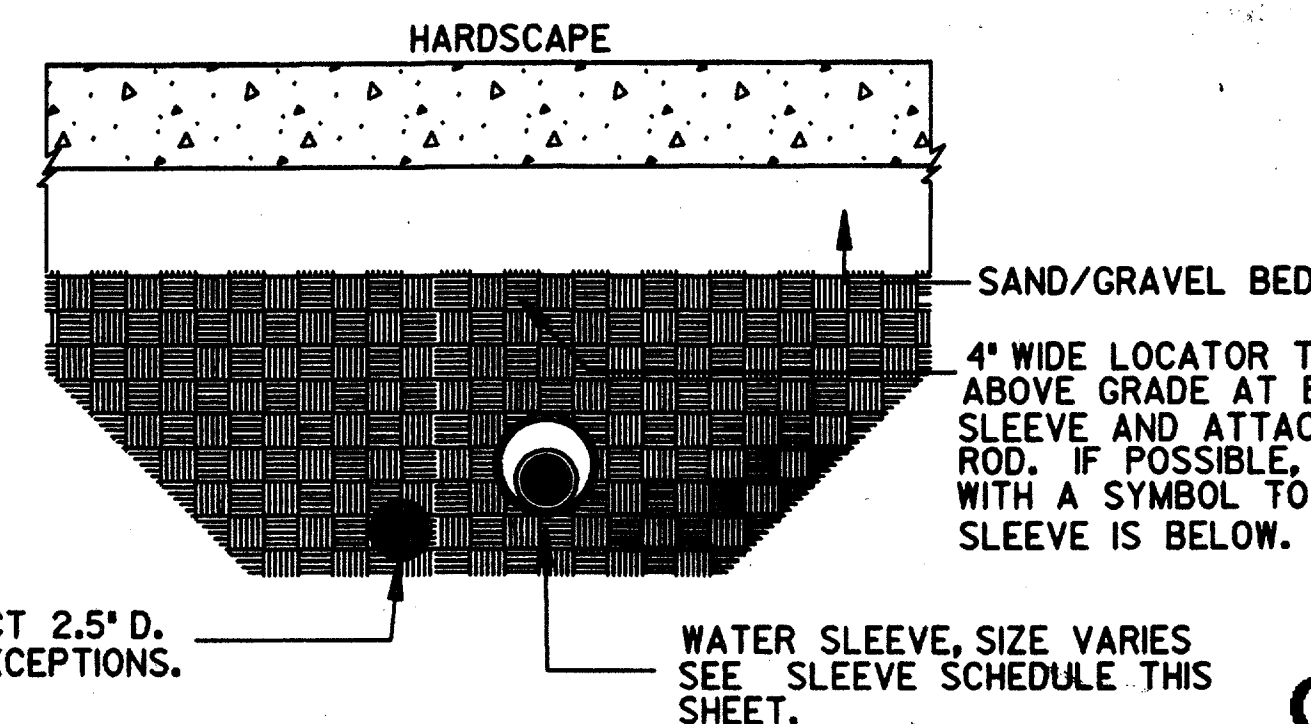
IRRIGATION SERVICE CONNECTION

(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



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
 125 MARKET CENTER BLVD - SUITE 310
 DALLAS, TEXAS 75201
 (214) 746-7777

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



AT AND CENTERLINE FEET	EVC ELECTRIC WATER COOLER	NAT NATURAL
φ INCHES DIAMETER	EXIST EXISTING	NIC NOT IN CONTRACT
ABV ABOVE	EXP EXPANSION	NL NAILABLE
AC ALTERNATING CURRENT	EXPO EXPOSED	NO NUMBER
AC-X ACOUSTIC LAYIN PANEL - SPEC.	EXT EXTERIOR	NOM NOMINAL
ACR ACRYLIC	EXTR EXTRUDE	N/S NORTH/SOUTH
ACS ACCESS	F FAHRENHEIT	NTS NOT TO SCALE
ADD ADDENDUM	FA FIRE ALARM	OC ON CENTER
ADH ADHESIVE	FD FLOOR DRAIN	OD OUTSIDE DIAMETER
ADJ ADJACENT	FDN FOUNDATION	OF OUTSIDE FACE
AFF ABOVE FINISHED FLOOR	FE FIRE EXTINGUISHER	OH OVERHEAD
AGG AGGREGATE	FEC FIRE EXTINGUISHER CABINET	OPNG OPENING
AL ALUMINUM	FF FINISH FLOOR	O TO O OUT TO OUT
ALT ALTERNATE	FH FIRE HYDRANT	OPP OPPOSITE
APPROX APPROXIMATE	FHMS FLAT HEAD MACHINE SCREW	PA PUBLIC ADDRESS
ARCH ARCHITECT, ARCHITECTURE	FIN FINISH	PEDE PEDESTRIAN
AUX AUXILIARY	FIX FIXTURE	PERF PERFORATED
BD BOARD	FLEX FLEXIBLE	PL PLATE
BIT BITUMINOUS	FLUR FLUORESCENT	PNL PANEL
BLDG BUILDING	FOF FACE OF FINISH	PR PAIR
BLK BLOCK	FOW FACE OF WALL	P/S PRESTRESSED
BM BEAM	FP FOLDING PARTITIONS	PSF POUNDS PER SQUARE FOOT
B.M. BENCH MARK	FR FRAME	PT-X,-XX PAINT - SPEC. COLOR SCHEDULE
BOT BOTTOM	FT FOOT, FEET	PTD PAINTED
BRG BEARING	FTG FOOTING	PVMT PAVEMENT
BRKT BRACKET	FURN FURNISH	PVCP POLYVINYL CHLORIDE PIPE
BS BOTH SIDES	GA GAUGE	R RADIUS
BSMT BASEMENT	GALV GALVANIZED	RECPT RECEPTACLE
BTWN BETWEEN	GENL GENERAL	REF REFERENCE
BVL BEVELED	GI GALVANIZED IRON	REFLD REFLECTED
BW BOTH WAYS	GL GLASS	REG REGISTER
C CONDUIT	GR GUARDRAIL	REINF REINFORCED, REINFORCING
CB CATCH BASIN	GVL GRAVEL	REM REMOVABLE
C/B COVE BASE	GWB GYPSUM WALLBOARD	REQD REQUIRED
CEM CEMENT	H HEIGHT	REV REVISE, REVISION
CER CERAMIC	HB HOSE BIB	REV CON REVERSE CONDITION
CFL COUNTERFLASHING	HC HANDICAP	RM ROOM
CJ CONTROL JOINT	HEX HEXAGONAL	RO ROUGH OPENING
CH CHANNEL	HM HOLLOW METAL	RW RETAINING WALL
CHAM CHAMFER	HORIZ HORIZONTAL	S SOUTH
CI CAST IRON	HPT HIGH POINT	SCHED SCHEDULE
C-I-P CAST-IN-PLACE	HDWD HARDWOOD	SCNSCR SCREEN SCREW
CLG CEILING	ID INSIDE DIAMETER	SDWK SIDEWALK
CLR CLEAR, CLEARANCE	ICM INTERCOM	SG.FT. SQUARE FOOT, SQUARE FEET
CLS CLOSURE	ILLUM ILLUMINATED	SHT SHEET
CMU CONCRETE MASONRY UNIT	INCL INCLUDE	SIM SIMILAR
CNTR COUNTER	IND INDICATE, INDICATOR	SLV SLEEVE
CO CLEAN OUT	INFO INFORMATION	SM SHEET METAL
COL COLUMN	INSUL INSULATION	SPC SPACE
COMB COMBINATION	INT INTERIOR	SPEC SPECIFICATION
COMP COMPRESSED	INVT INVERT	SPKR SPEAKER
CONC CONCRETE	IP IRON PIPE, IRON PIN	SQ SQUARE
CONN CONNECTION	JB JUNCTION BOX	SSMRS STANDING SEAM METAL ROOFING SYSTEM
CONST CONSTRUCTION	JT JOINT	SST STAINLESS STEEL
CONT CONTINUOUS	KO KNOCK-OUT	STA STATION
CONTR CONTRACTOR	KOP KNOCK-OUT PANEL	STD STANDARD
CORR CORRUGATED	KPL KICK-PLATE	STIFF STIFFENER
CRS COLD ROLLED STEEL	LAD LADDER	STL STEEL
CSMT CASEMENT	LAM LAMINATE	STRUCT STRUCTURE, STRUCTURAL
CT CERAMIC TILE	LB POUND	SUSP SUSPENDED
CTRL CONTROL	LF LATERAL FILE	SW SWITCH
CTWP CONCRETE TILT-UP WALL PANEL	LG LENGTH, LONG	SYM SYMMETRICAL
CU COPPER	LT LIGHT, LIGHTING	SYS SYSTEM
DC DIRECT CURRENT	LINEAR LINEAR	TEL TELEPHONE
DEG DEGREE	LKR LOCKER	TEMP TEMPERATURE
DEP DEPRESSED	LPT LOW POINT	THK THICK, THICKNESS
DET DETAIL	LTL LINTEL	TOC TOP OF CONCRETE
DIA DIAMETER	LVL LEVEL	T.O. TOP OF
DIM DIMENSION	LW LIGHTWEIGHT	T/R TOP OF RAIL
DISP DISPENSER	LWP LOWER WORK POINT	TRD TREAD
DM DEMOLISH	MACH MACHINE	T/STL TOP OF STEEL
DN DOWN	MATL MATERIAL	T/W TOP OF WALL
DP DAMP/PROOFING	MAX MAXIMUM	TYP TYPICAL
DS DOWNSPOUT	MBR MEMBER	UC UNDERCUT
D/T DRAIN TILE	MBS MODIFIED BITUMEN ROOFING SYSTEM	UG UNDERGROUND
DWG DRAWING	MECH MECHANICAL	UL UNDERWRITERS LABORATORIES
E EAST	MED MEDIUM	UNO, UON UNLESS NOTES OTHERWISE
EA EACH	MEMB MEMBRANE	UTIL UTILITY
EJ EXPANSION JOINT	MFR MANUFACTURER	UWP UPPER WORK POINT
EL ELEVATION	MH MANHOLE	VENT VENTILATION
ELEC ELECTRICAL	MIN MINIMUM	VERT VERTICAL
ELECPB ELECTRICAL PANELBOARD	MISC MISCELLANEOUS	VIF VERIFY IN FIELD
ELEV ELEVATION	MLWK MILLWORK	VTR VENT THRU ROOF
EMER EMERGENCY	MLD MASONRY OPENING	W WITH
ENCL ENCLOSURE	MOD MODULAR	WF (X) WIDE FLANGE
ENT ENTRANCE	MOV MOVABLE	W/O WITHOUT
EQ EQUAL	MT MOUNTED	WP WORK POINT
EQPT EQUIPMENT	MTG MOUNTING	WTRPRF WATERPROOF
ETC ET CETERA	MTL METAL	WWF WELDED WIRE FABRIC
	NV NORTH	
	N/A NOT APPLICABLE	

PLAN PLAN DESIGNATION (NUMBER)

SCALE: 1/4"=1'-0" A02-0001

SECTION SECTION DESIGNATION (NUMBER)

SCALE: 1/4"=1'-0" A02-0001

ELEVATION ELEVATION DESIGNATION (NUMBER)

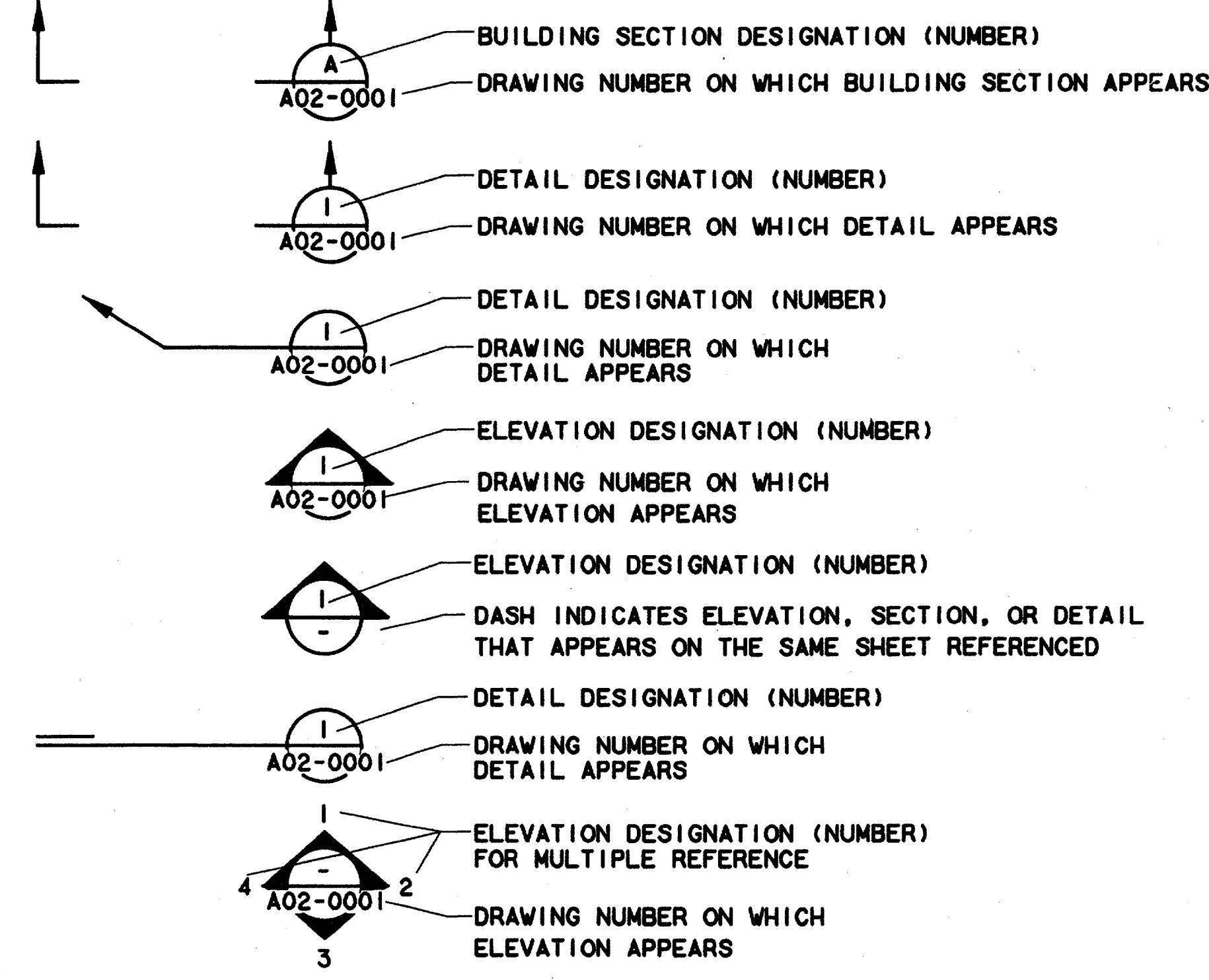
SCALE: 1/4"=1'-0" A02-0001

DETAIL DETAIL DESIGNATION (NUMBER)

SCALE: 1/4"=1'-0" A02-0001

SUB-DETAIL SUB-HEADING DETAIL DESIGNATION (NUMBER)

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



- SUBGRADE EARTH
- POROUS FILL
- STRUCTURAL CONCRETE
- PLASTER, GROUT, LIGHTWEIGHT CONCRETE
- BRICK (COMMON OR FACE)
- CONCRETE MASONRY UNITS
- METAL (LARGE SCALE)
- PLYWOOD
- WOOD BLOCKING
- RIGID INSULATION
- CENTER LINE
- MATCH LINE
- LEVEL LINE, ELEVATION CONTROL POINT
- COLUMN DESIGNATION
- WALL PARTITION DESIGNATION
- DOOR NO.

- NOTES:
- TYPICAL DIMENSIONS, WHERE INDICATED ON DRAWINGS, APPLY ONLY TO THE DRAWING ON WHICH IT IS INDICATED.
 - BUILDING ELEVATION OF 100'-0" IS EQUAL TO ELEVATION OF 633.50' AS SHOWN ON CIVIL.
- REGULATORY DOCUMENTS:
- ADDISON BUILDING CODE
 - UNIFORM FIRE CODE
 - ADDISON PLUMBING CODE
 - ADDISON MECHANICAL CODE
 - ADDISON ELECTRICAL CODE

Record (Architect) Certification

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

Contract Number: A02-0001

Company Name: WEA

Date of First Review: 8/14/97

Signature: TOM KASPER, PRESIDENT

Professional Engineer of Construction Contract, including standards and fees, in compliance with the requirements of the State of Texas.

CONFORMED

CONTRACT SHEET No. 52 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP

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

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
1025 MARKET CENTER BLVD - SUITE 210
DALLAS, TEXAS 75207
(214) 741-7777

DART PROJECT
DART

SCALE	NONE
DRAWN	K. DEAN
DESIGNED	N. INFANZON/K. DEAN
CHECKED	N. INFANZON/RON BOLTON
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

ADDISON TRANSIT CENTER
ARCHITECTURAL SYMBOLS & ABBREVIATION

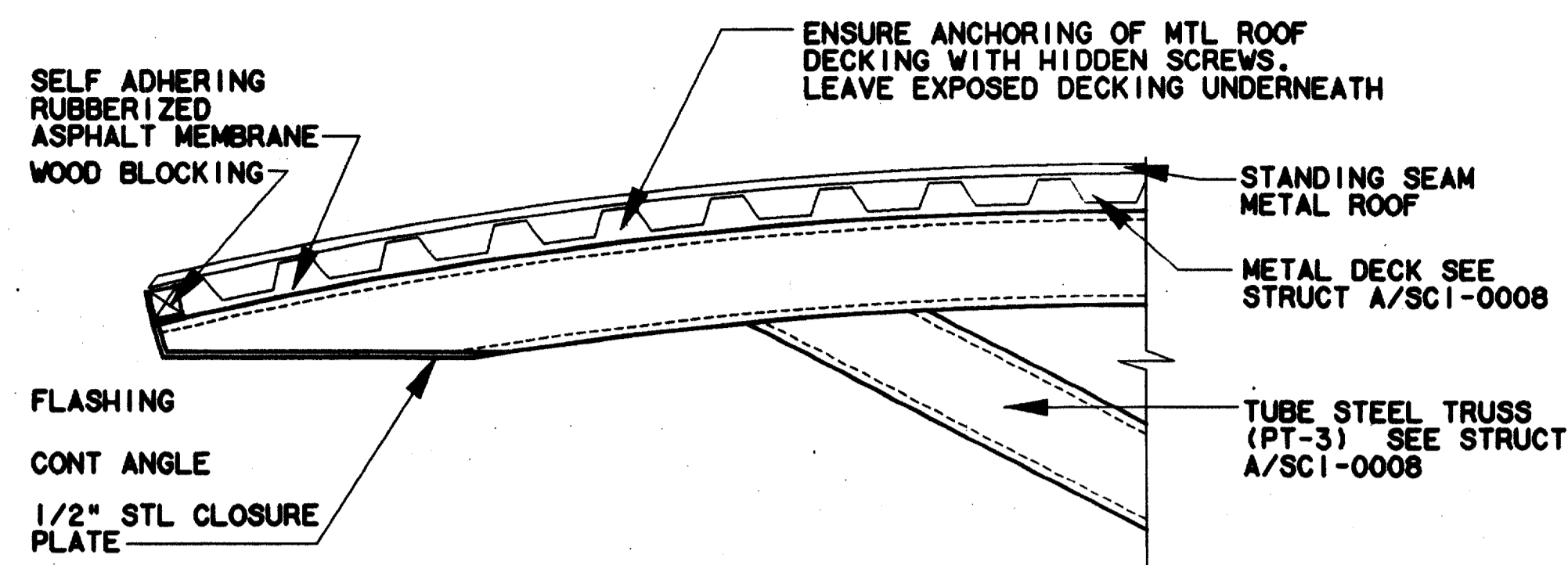
CAES
CONTRACT C-97000136

DWG No. ACI-0001

REV 0

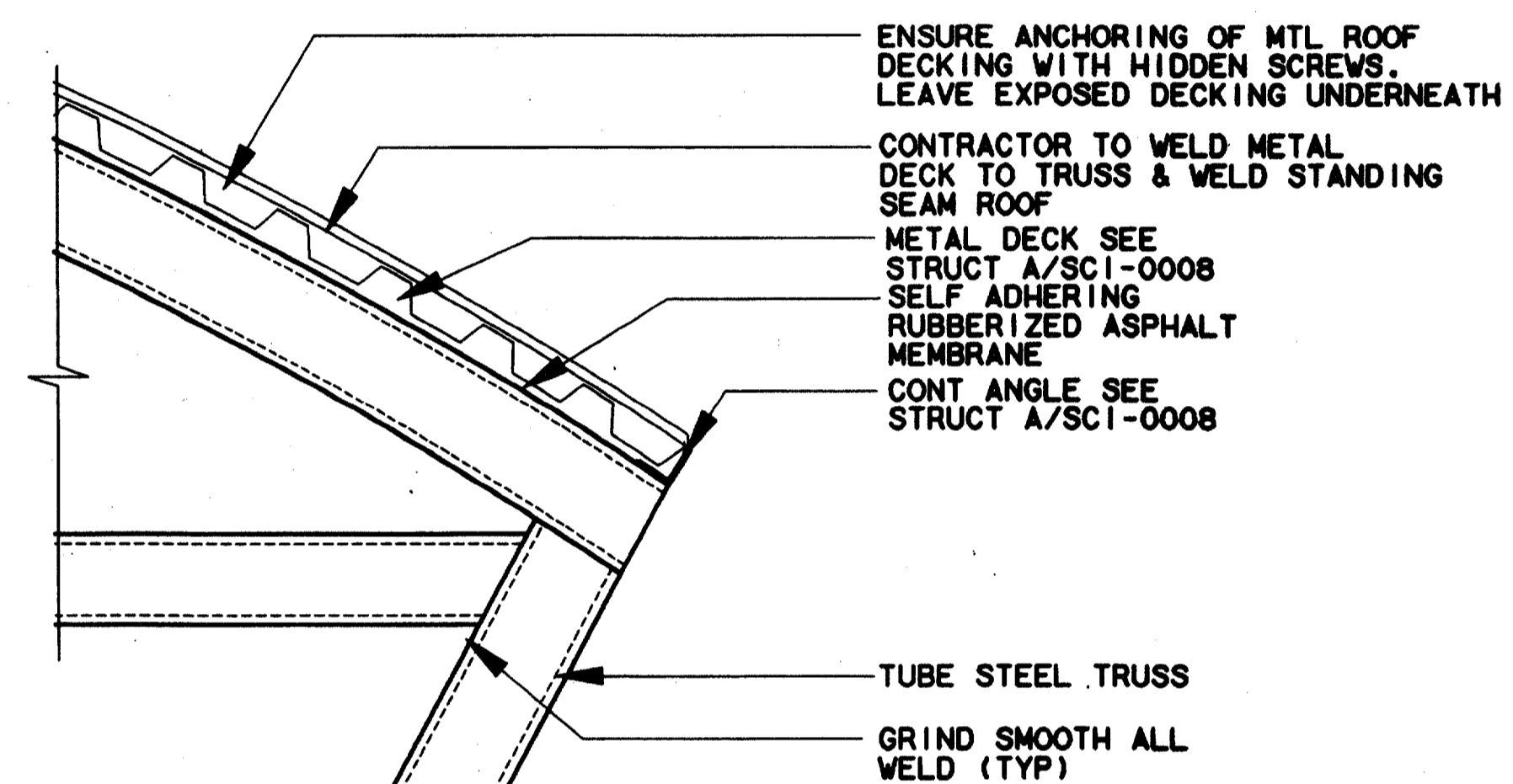
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AC2-0001 ON GAD



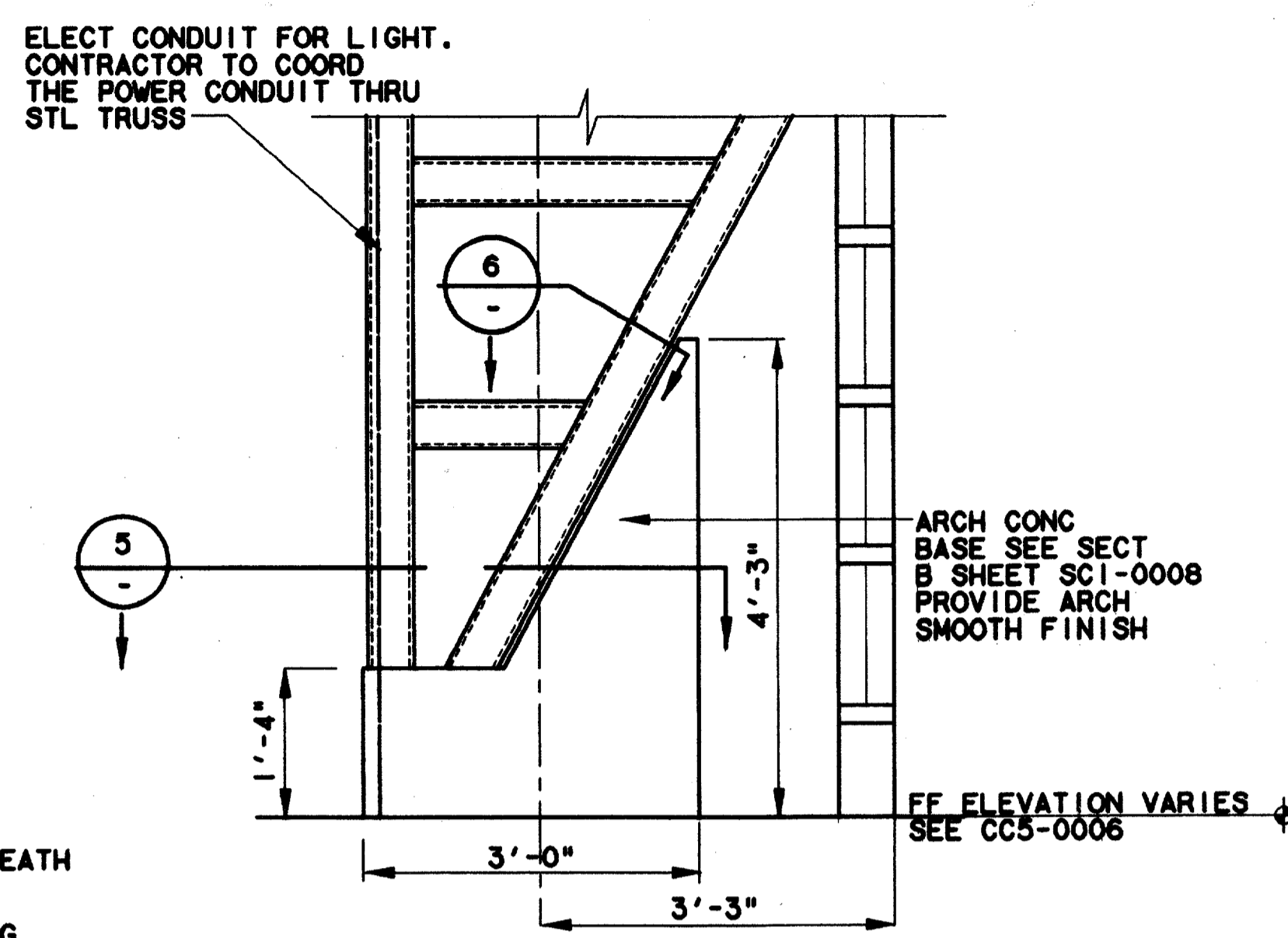
SEE SECTION A SHEET SCI-0008

CANOPY DETAIL
SCALE: 1 1/2"=1'-0"
AC2-0001

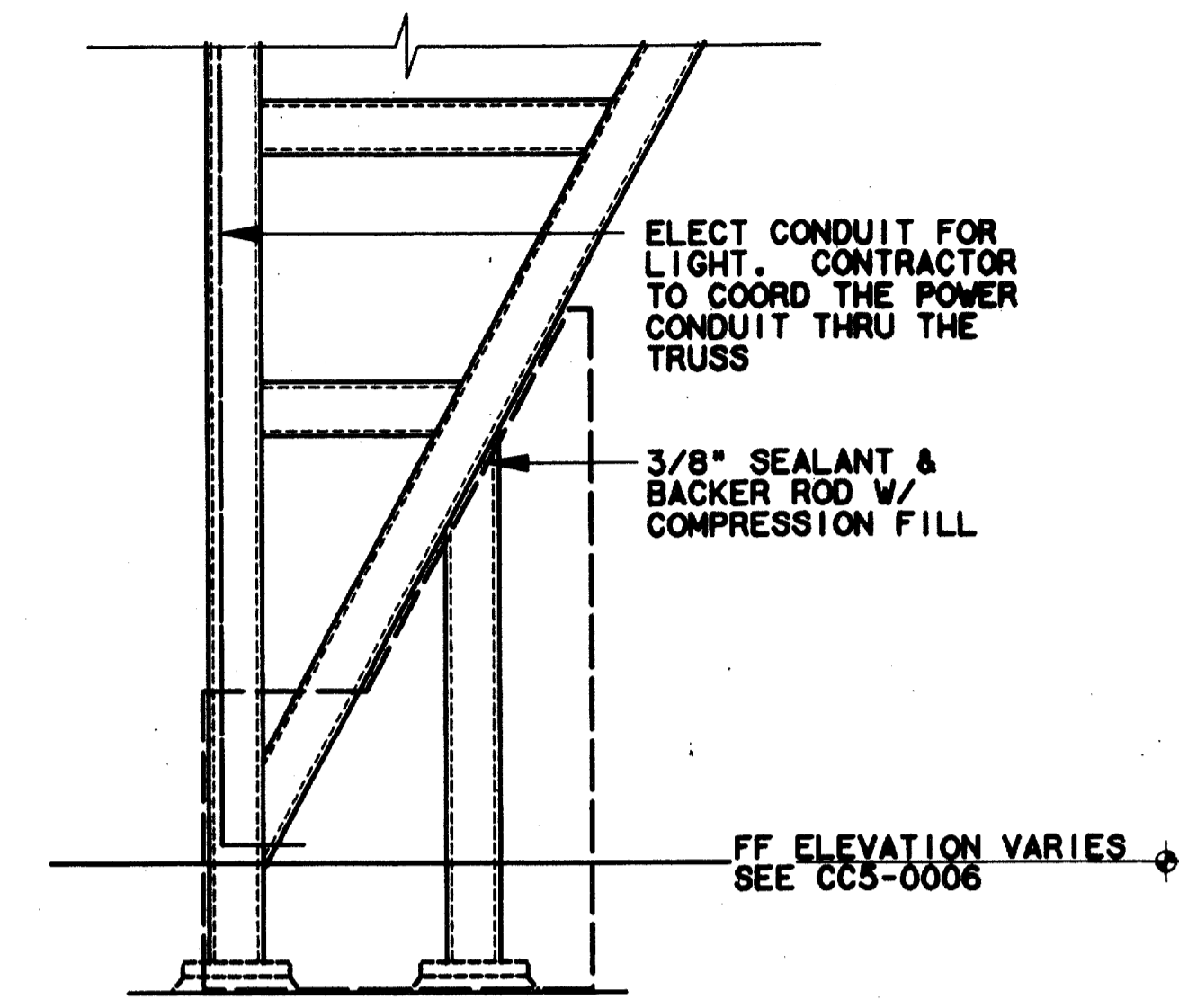


SEE SECTION A SHEET SCI-0008

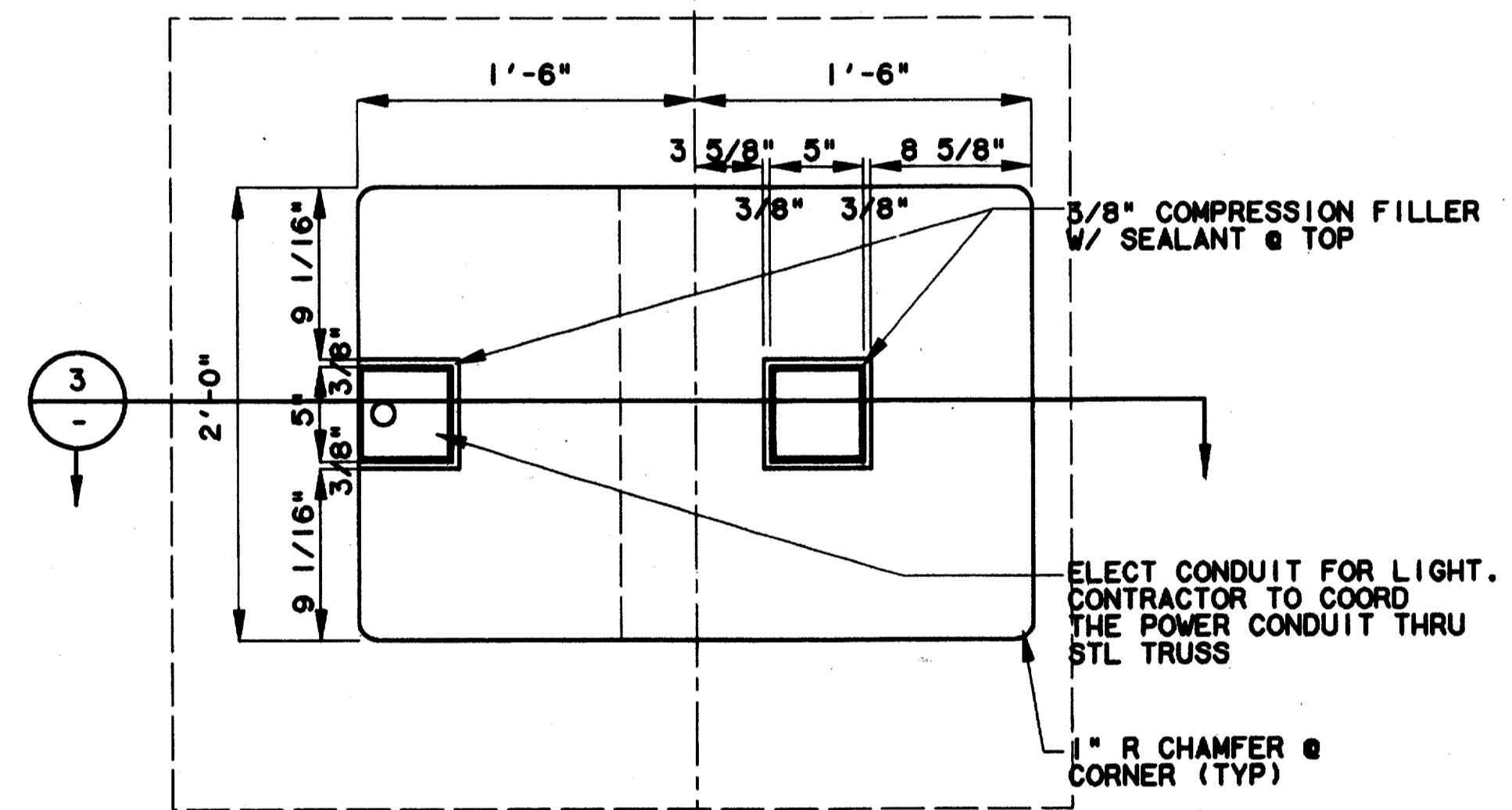
CANOPY DETAIL
SCALE: 1 1/2"=1'-0"
AC2-0001



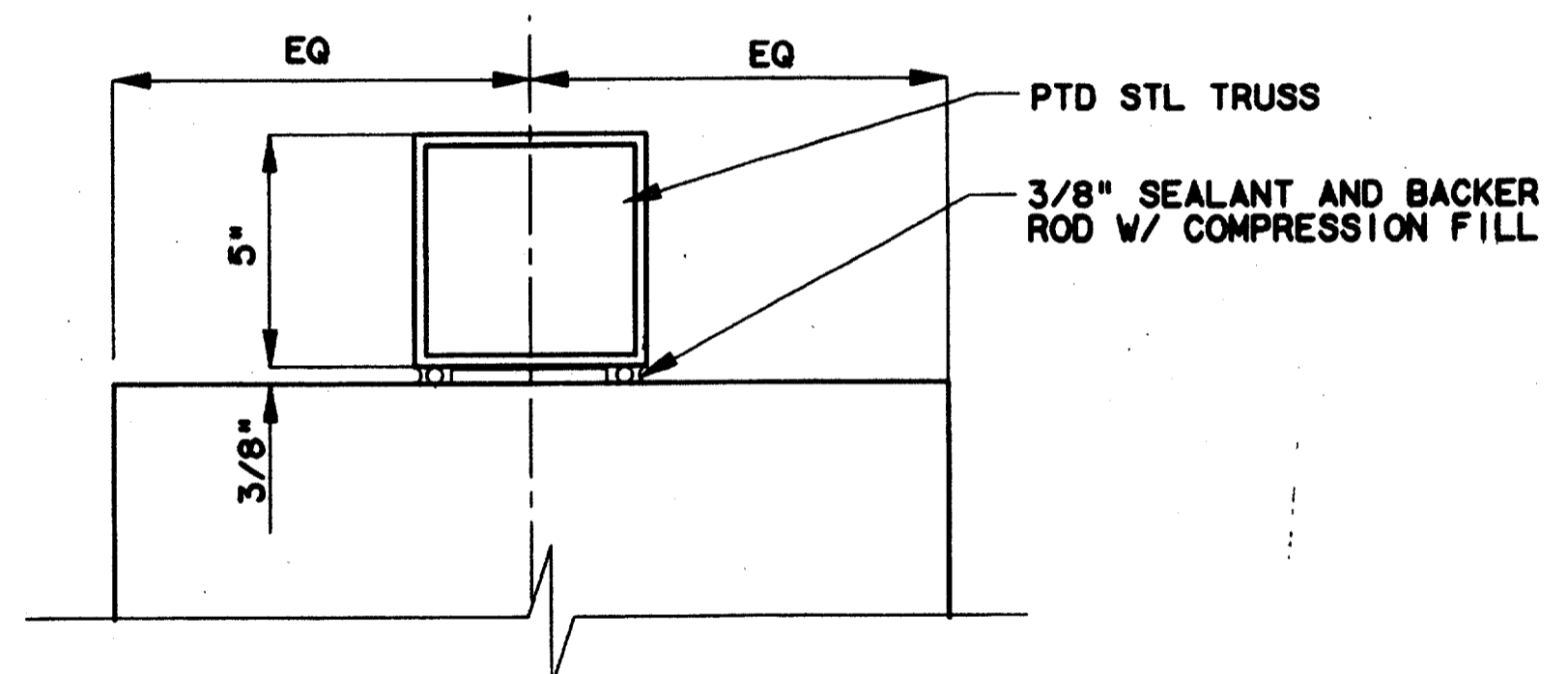
CANOPY BASE DETAIL
SCALE: 3/4"=1'-0"
AC2-0001



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



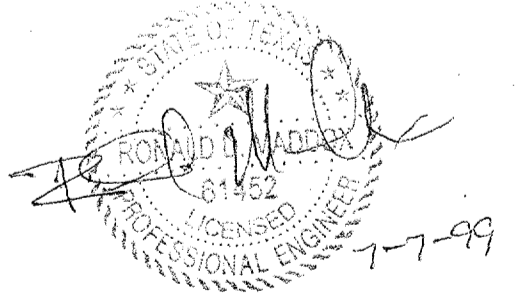
CANOPY BASE PLAN
SCALE: 1"=1'-0"



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

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
 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
 Officer of Firm Signature: [Signature]
 Date: 14 AUGUST 97
 Title of Officer (Typed): TOM KADDER, PRESIDENT
 Seal of Professional Engineer of Construction Contract, illustrating signature and date, thereby making record (as-built) drawings for accuracy of as-built conditions reflected herein, must be placed below.

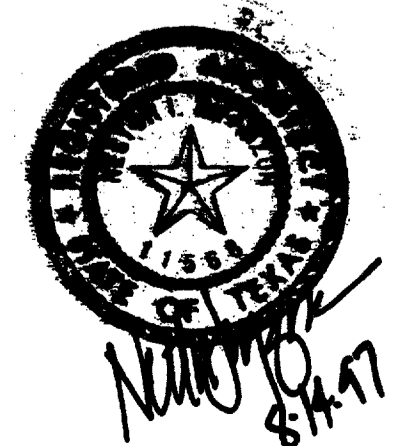


CONFORMED

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



LA
Lockwood, Andrews & Newnam, Inc.
A SUBSIDIARY OF LEA-DAILY

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING - SURVEYING - CONSTRUCTION SERVICES
102 MARBET CENTER BLVD - SUITE 310
DALLAS, TEXAS 75207
(214) 746-7777

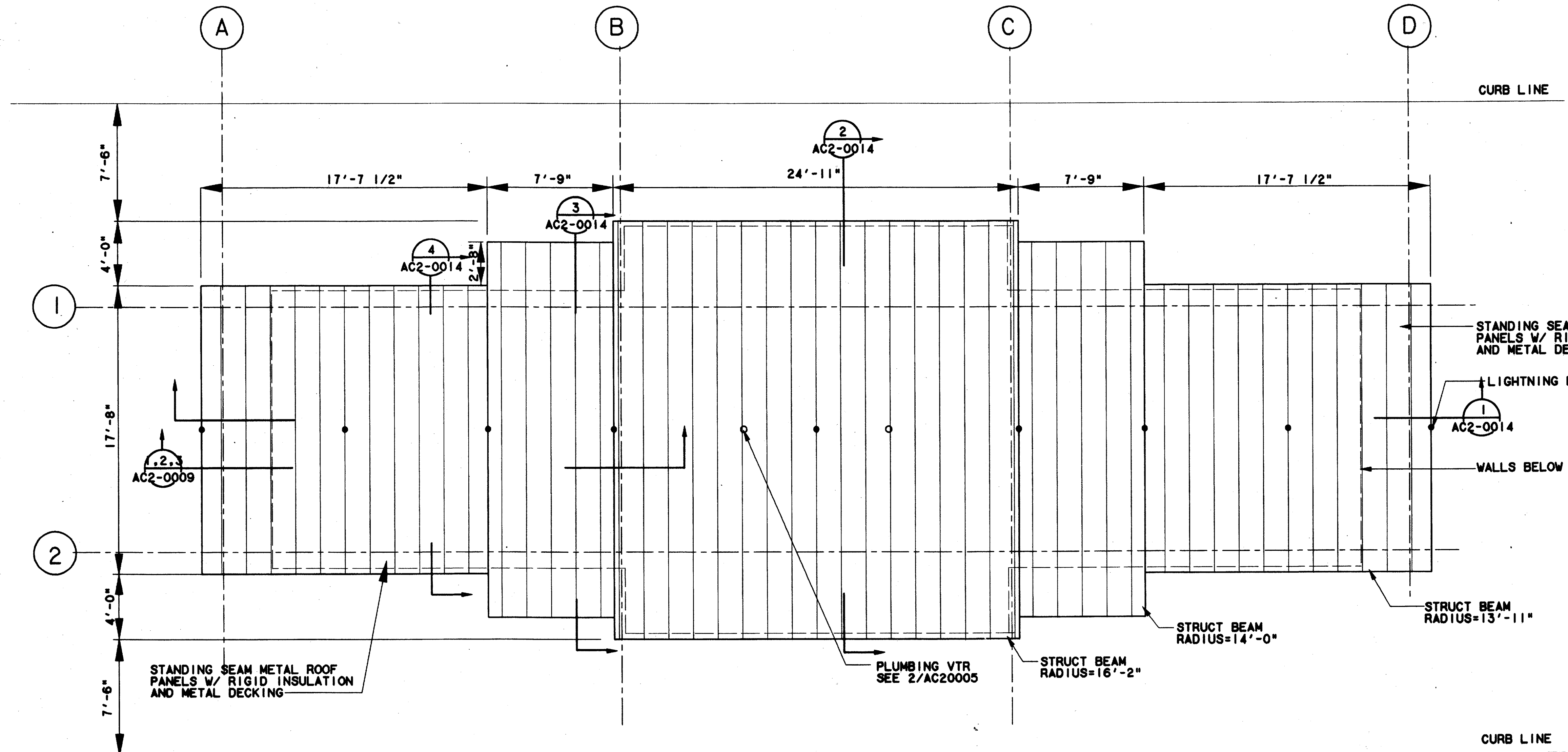
DART PROJECT
DART

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

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

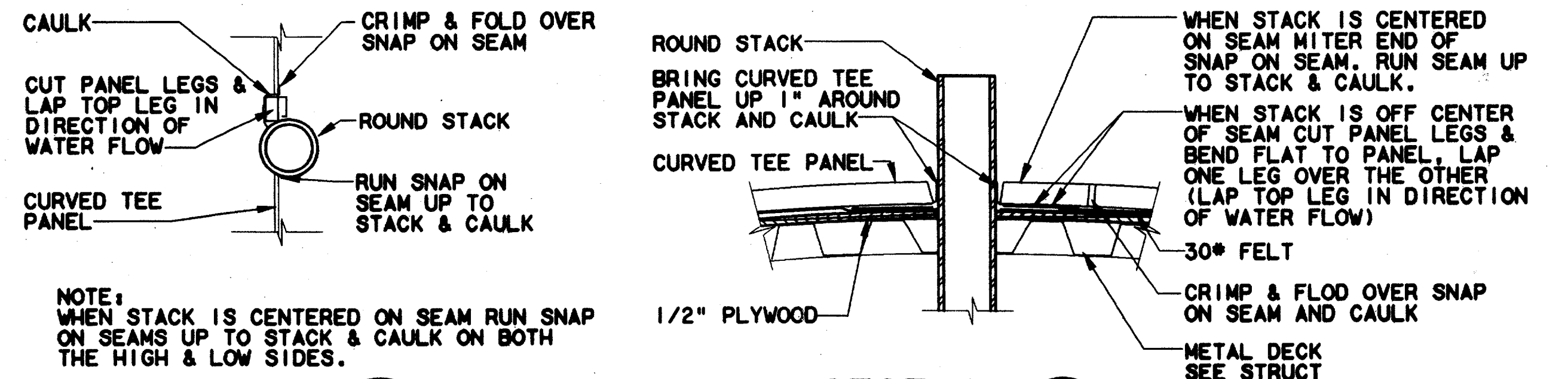
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 \$\$\$SYTIME\$\$\$\$\$\$\$
 \$\$\$PRF\$\$\$
 \$\$\$SERNAME\$\$\$
 \$\$\$ROT\$\$\$
 \$\$\$PEN\$\$\$
 \$\$\$LE6\$\$\$
 \$\$\$LE7\$\$\$
 \$\$\$LE8\$\$\$
 \$\$\$LE9\$\$\$
 \$\$\$LE10\$\$\$
 \$\$\$LE1\$\$\$
 \$\$\$LE2\$\$\$
 \$\$\$LE3\$\$\$
 \$\$\$LE4\$\$\$
 \$\$\$LE5\$\$\$

5000-20V ON 9AD



ENCLOSURE ROOF PLAN

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



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

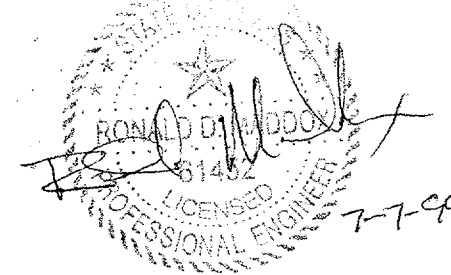
PLAN A

SECTION B

ROOF PENETRATION DETAIL

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

Record (As-built) Certification
 "Having checked this submission, we certify that it conforms to the requirements of the contract in all respects, unless otherwise indicated."
 Contract Number: **97000136**
 Company Name: **WLA**
 Officer of Firm Signature: **Tom Kader**
 Date: **7-7-99**
 Officer of Firm Name (typed): **TOM KADER**
 Title of Officer (typed): **PRESIDENT**
 Seal of Professional Engineer of Construction Contractor, including signature and date. Thereby assuring record (as-built) drawings for accuracy or, as-built conditions reflected herein, must be placed below.



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



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

WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 102 MURPHY CENTER BLVD. - SUITE 300
 DALLAS, TEXAS 75241
 (214) 74-7777

DART PROJECT

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

DRAWN: K. DEAN

DESIGNED: N. INFANZON/K. DEAN

CHECKED: R. INFANZON/RON BOLTON

IN CHARGE: V. STEVENS

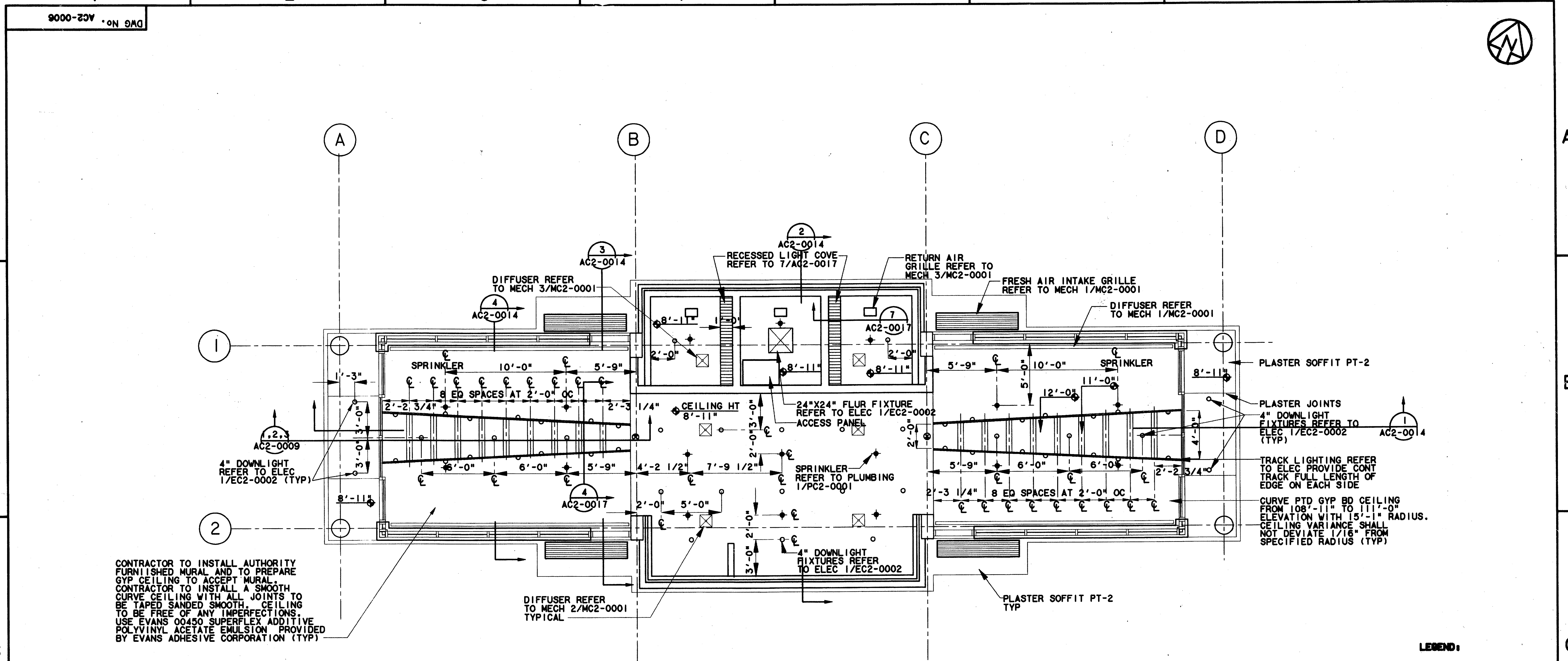
DATE: 14 AUGUST 97

DART

CAES

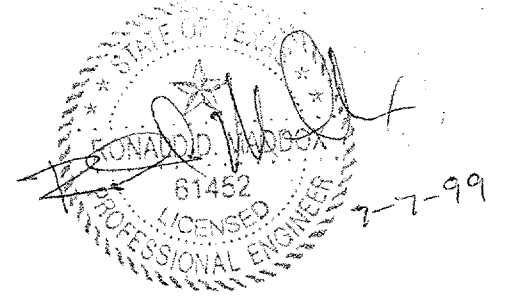
CONTRACT C-97000136 DWG No. AC2-0005 REV 0

\$\$\$SYTIME\$\$\$
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 \$\$\$PRF ROT\$\$\$
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 \$\$\$FILE1\$\$\$
 \$\$\$FILE2\$\$\$
 \$\$\$FILE3\$\$\$
 \$\$\$FILE4\$\$\$
 \$\$\$FILE5\$\$\$



REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

Record (As-Built) Certificate
 Having checked this submission, we certify that it conforms to the requirements of the contract in all respects as indicated.
 Contract Number: 97000136
 Company Name: WEA
 Officer of Firm Signature: [Signature]
 Date: 7-7-99
 Officer of Firm Name (typed): IAN KADEL
 Title of Officer (typed): PRESIDENT
 Seal of Professional Engineer of Construction Contractors, including signature and date, thereby sealing record (as-built) drawings for accuracy of as-built conditions reflected herein, must be placed below.

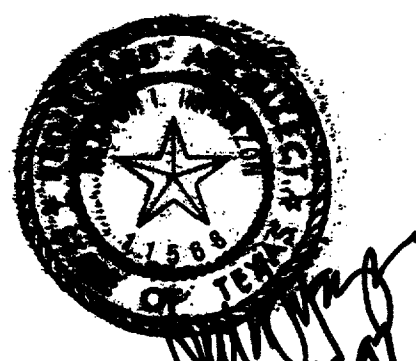


- LEGEND:**
- DIFFUSER
 - RETURN AIR
 - FRESH AIR INTAKE
 - DIFFUSER
 - SPRINKLER HEAD
 - LIGHT COVE
 - DOWNLIGHT
 - 2'X2' FLUORESCENT FIXTURE
 - TRACK LIGHTING
 - EXIT LIGHTING

CONFORMED

CONTRACT SHEET No. 58 OF 95

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



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 510
 DALLAS, TEXAS 75207
 (214) 746-7777

DART PROJECT

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

ADDISON TRANSIT CENTER
ENCLOSURE REFLECTED CEILING PLAN

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

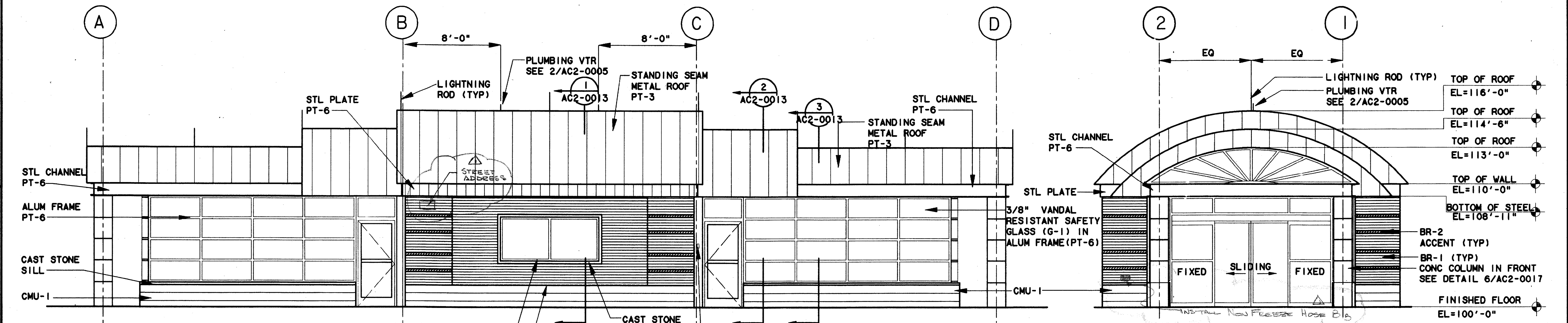
1000-23V ON 9AD
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 \$\$\$SYTIME\$\$\$
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 \$\$\$USERNAME\$\$\$

\$\$\$PRF ROT\$\$\$
 \$\$\$PEN\$\$\$

\$\$\$FILE6\$\$\$
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 \$\$\$FILE10\$\$\$

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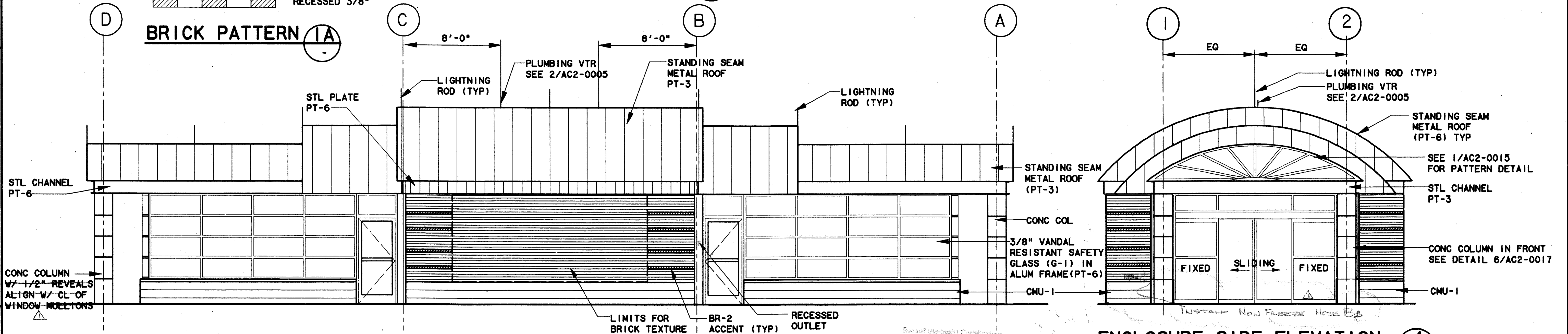
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ENCLOSURE FRONT ELEVATION
 SCALE: 1/4"=1'-0"

ENCLOSURE SIDE ELEVATION
 SCALE: 1/4"=1'-0"

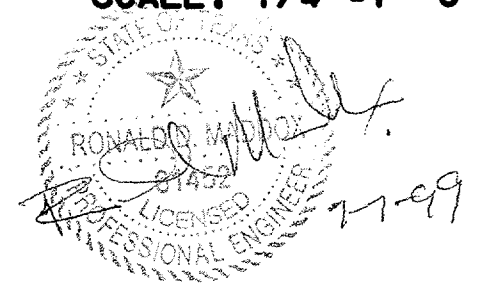
BRICK PATTERN IA



ENCLOSURE BACK ELEVATION
 SCALE: 1/4"=1'-0"

ENCLOSURE SIDE ELEVATION
 SCALE: 1/4"=1'-0"

Special (As-Built) Consideration
 Having checked this submission, we certify that it conforms to the requirements of the contract in all respects, subject as otherwise indicated.
 Contract Number: 97000136
 Date of Issue: 8/14/97
 Signature of Firm: [Signature]
 Title of Official: [Title]
 Name of Firm: [Firm Name]
 Title of Official: [Title]
 Seal of Professional Engineer of Construction Contracting, including a separate unit, date, thereby waiving second (as-built) drawings for accuracy of as-built conditions captured herein. Must be returned to: [Address]



CONFORMED

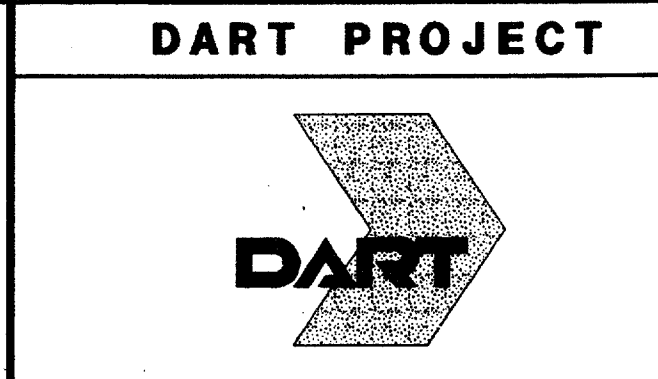
CONTRACT SHEET No. 59 OF 95

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



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

WLA
WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 180 MARKET CENTER BLVD - SUITE 510
 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

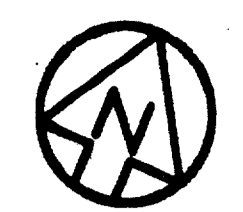
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 \$\$\$SERNAME\$\$\$

\$\$\$PRF ROT\$\$\$
 \$\$\$PEN\$\$\$

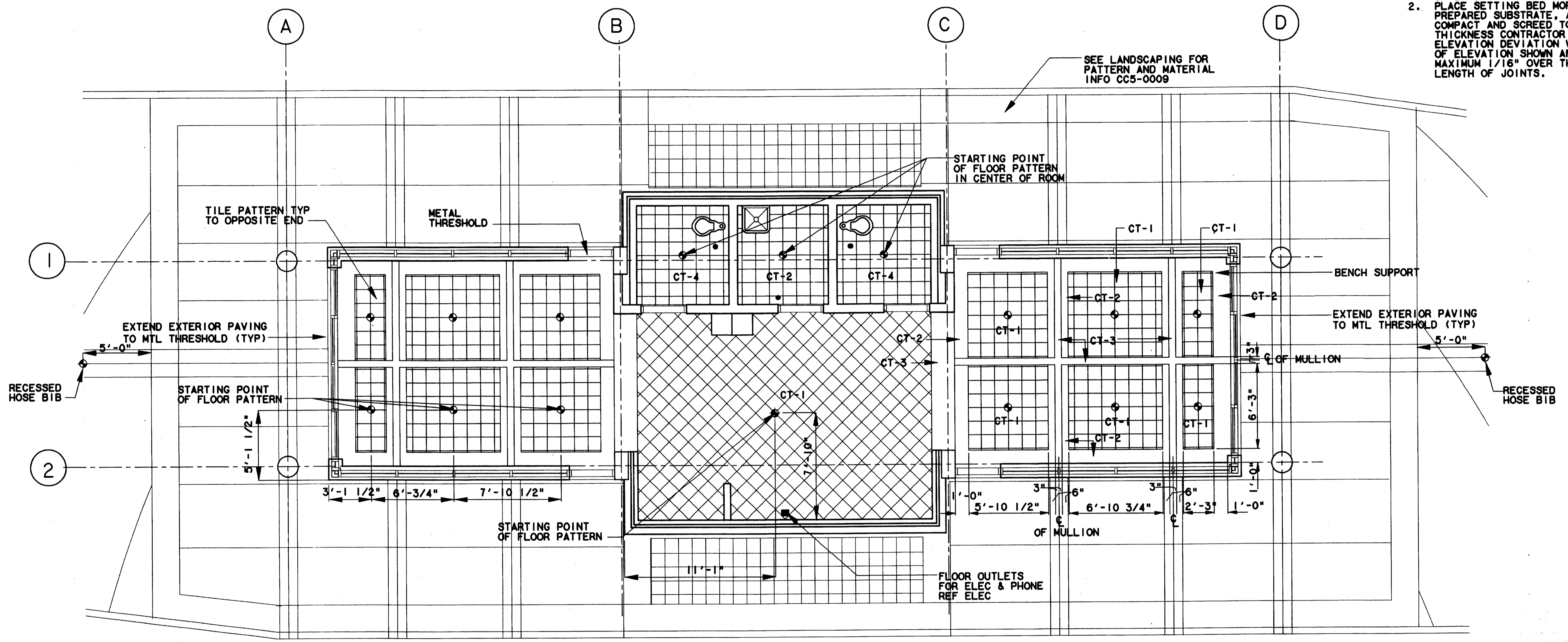
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\$\$\$FILE1\$\$\$
 \$\$\$FILE2\$\$\$
 \$\$\$FILE3\$\$\$
 \$\$\$FILE4\$\$\$
 \$\$\$FILE5\$\$\$

8000-20V
 DWG No. AC2-0008



- NOTE:
- CONTRACTOR TO ENSURE ALIGNMENT OF EXTERIOR PATTERN W/ BUILDING. 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.



SEE LANDSCAPING FOR PATTERN AND MATERIAL INFO CC5-0009

STARTING POINT OF FLOOR PATTERN IN CENTER OF ROOM

TILE PATTERN TYP TO OPPOSITE END

METAL THRESHOLD

BENCH SUPPORT

EXTEND EXTERIOR PAVING TO MTL THRESHOLD (TYP)

EXTEND EXTERIOR PAVING TO MTL THRESHOLD (TYP)

RECESSED HOSE BIB

STARTING POINT OF FLOOR PATTERN

RECESSED HOSE BIB

STARTING POINT OF FLOOR PATTERN

FLOOR OUTLETS FOR ELEC & PHONE REF ELEC

ENCLOSURE FLOOR PATTERN PLAN
 SCALE: 1/4"=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 otherwise noted."
 Contract Number: 97000136
 Company Name: WLA
 Officer or Firm Signature: [Signature]
 Date: 7-7-99
 Title of Officer (Typed): Tom Kader, President
 Seal of Professional Engineer of Construction Contractor, including signature and date, thereby setting record (as-built) drawings for accuracy of as-built condition reflected herein, must be placed below.

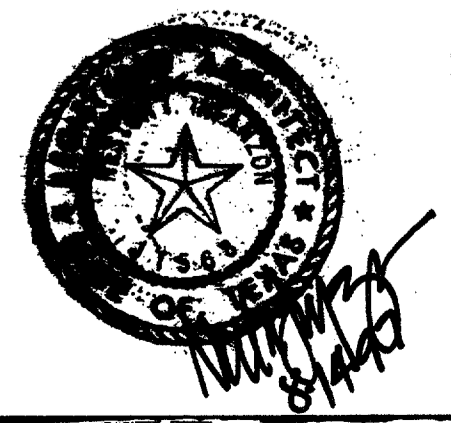
- LEGEND:
- CT-1 12X12 ANGELFIRE FLAGSTONE
 - CT-2 6X6 MAYFLOWER RED QUARTZITE
 - CT-3 6X6 SERENGETI FLAGSTONE
 - CT-4 6X6 ANGELFIRE FLAGSTONE
 - ◊ CENTER

CONFORMED

CONTRACT SHEET No. 60 OF 95

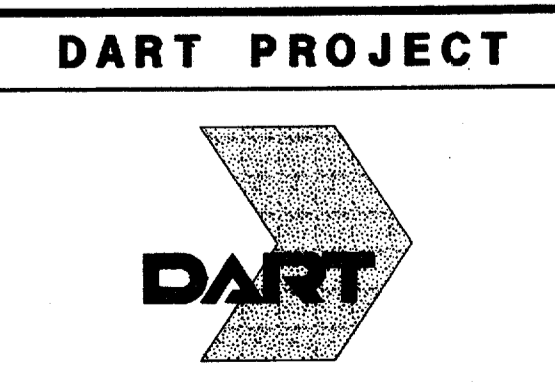
ADDISON
 TRANSIT CENTER
 ENCLOSURE FLOOR
 PATTERN PLAN

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

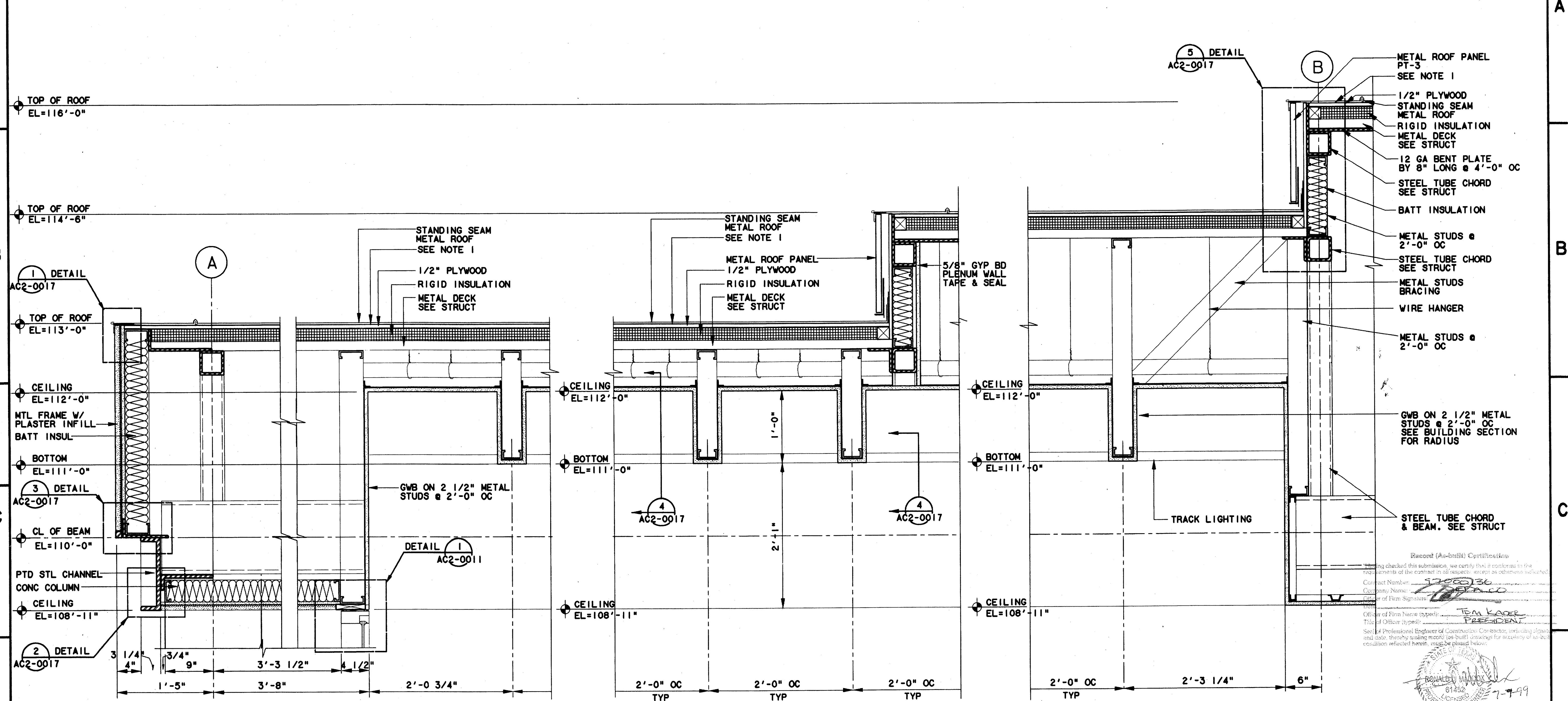
WLA
 WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 125 MARKET CENTER BLVD - SUITE 500
 DALLAS, TEXAS 75201
 (214) 74-7777



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

CAES CONTRACT C-97000136 DWG No. AC2-0008 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

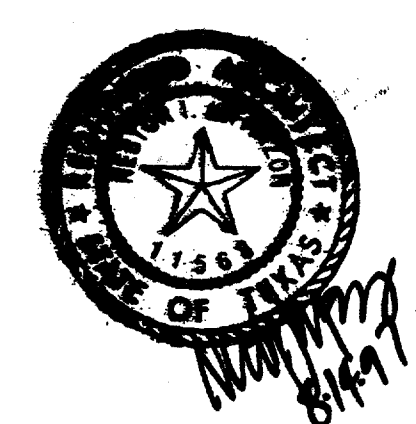
ROOF/FASCIA DETAIL 2
 SCALE: 1/2"=1'-0"
 AC2-0014 & AC2-0005

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

CONFORMED

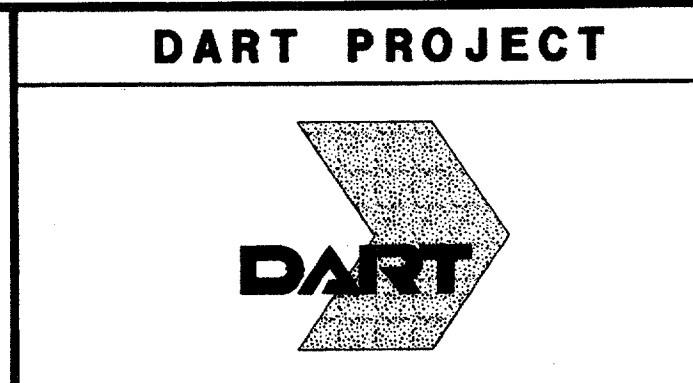
CONTRACT SHEET No. 61 OF 95

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
 1823 MARKER CENTER BLVD - SUITE 510
 DALLAS, TEXAS 75207
 (214) 76-7777

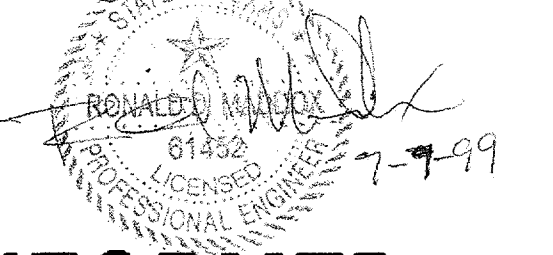


SCALE: 1/2"=1'-0"
 DRAWN: K. DEAN
 DESIGNED: N. INFANZON/K. DEAN
 CHECKED: N. INFANZON/IRON BOLTON
 IN CHARGE: V. STEVENS
 DATE: 14 AUGUST 97

ADDISON TRANSIT CENTER
ENCLOSURE SECTIONS & DETAILS

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

Record (As-built) Certification
 I have 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: WLA
 Title of Firm Signature: Tom Lopez, PRESIDENT
 Title of Officer (typed):
 Seal of Professional Engineer of Construction Contractor, including signed and date, thereby making record (as-built) drawings for recovery of all-conditions reflected herein, must be placed below.



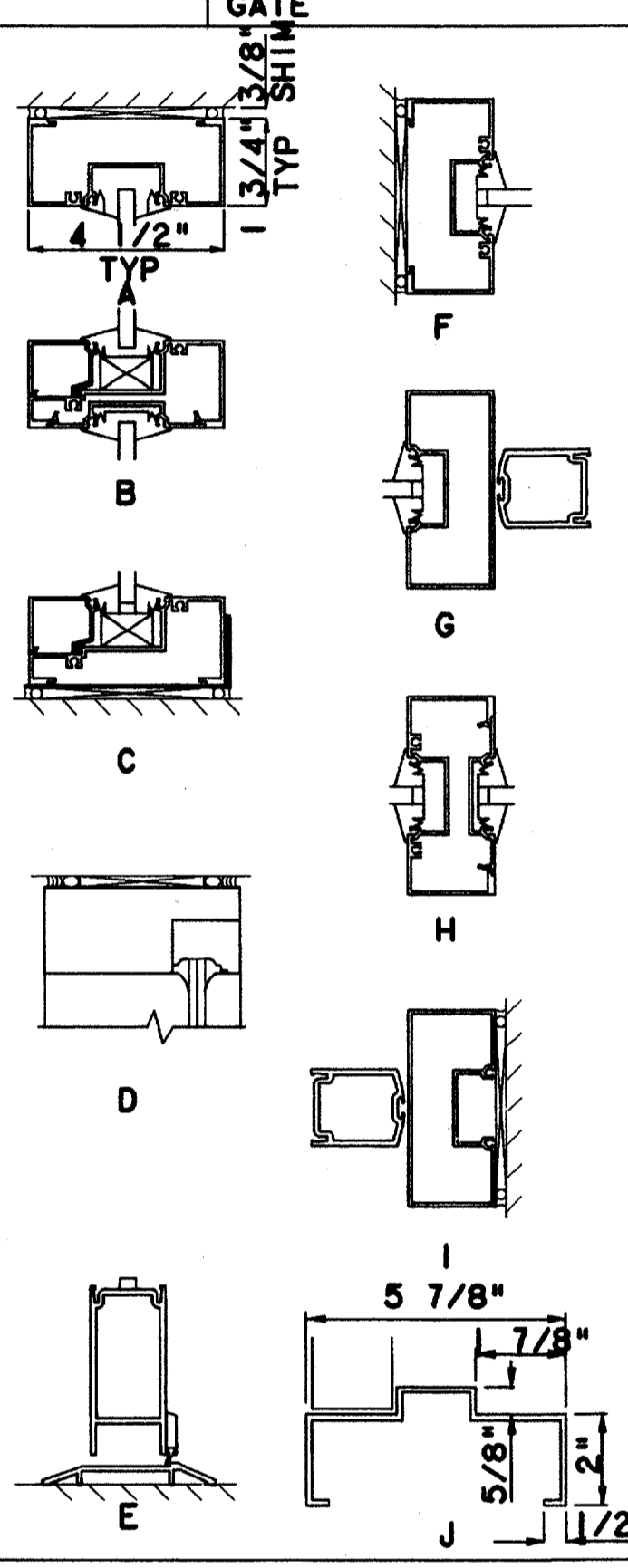
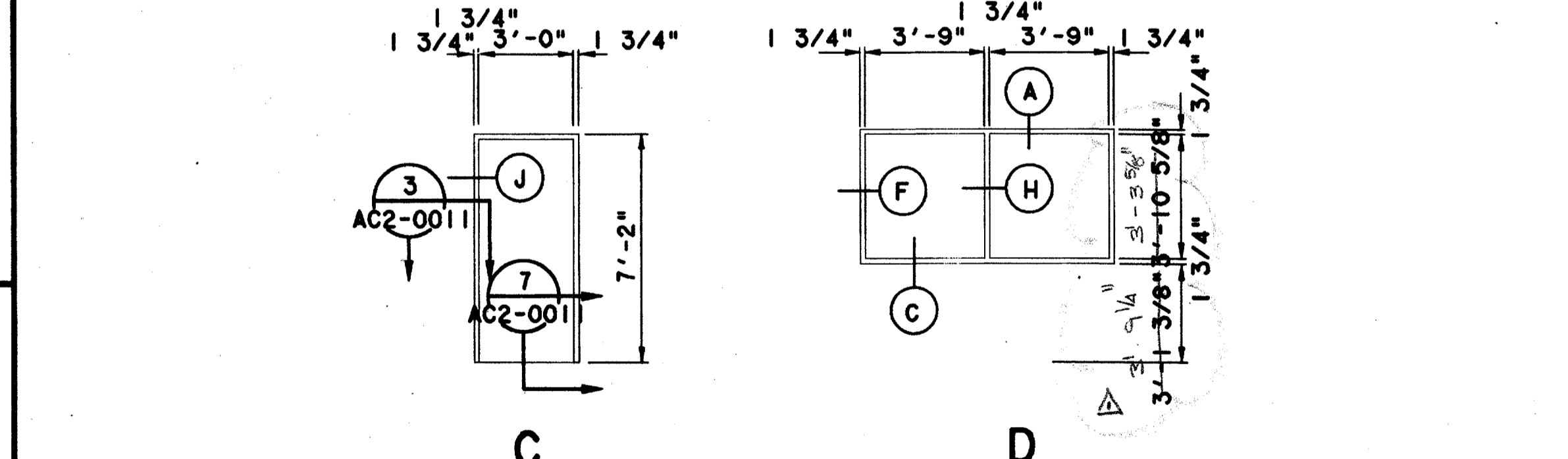
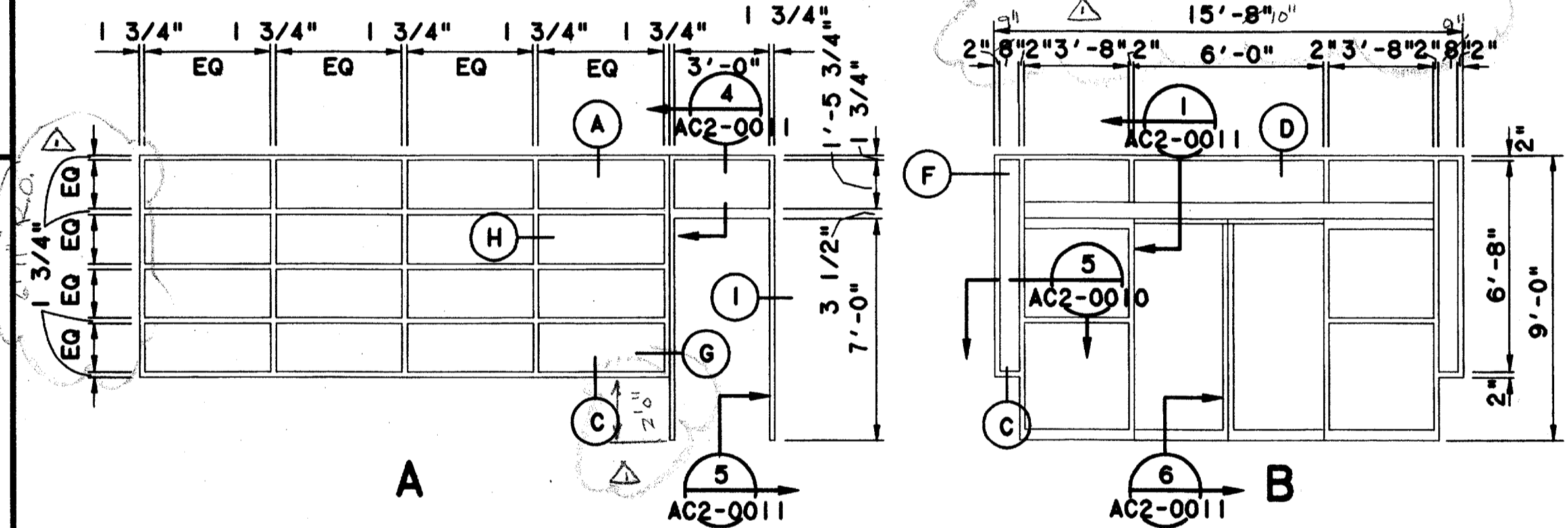
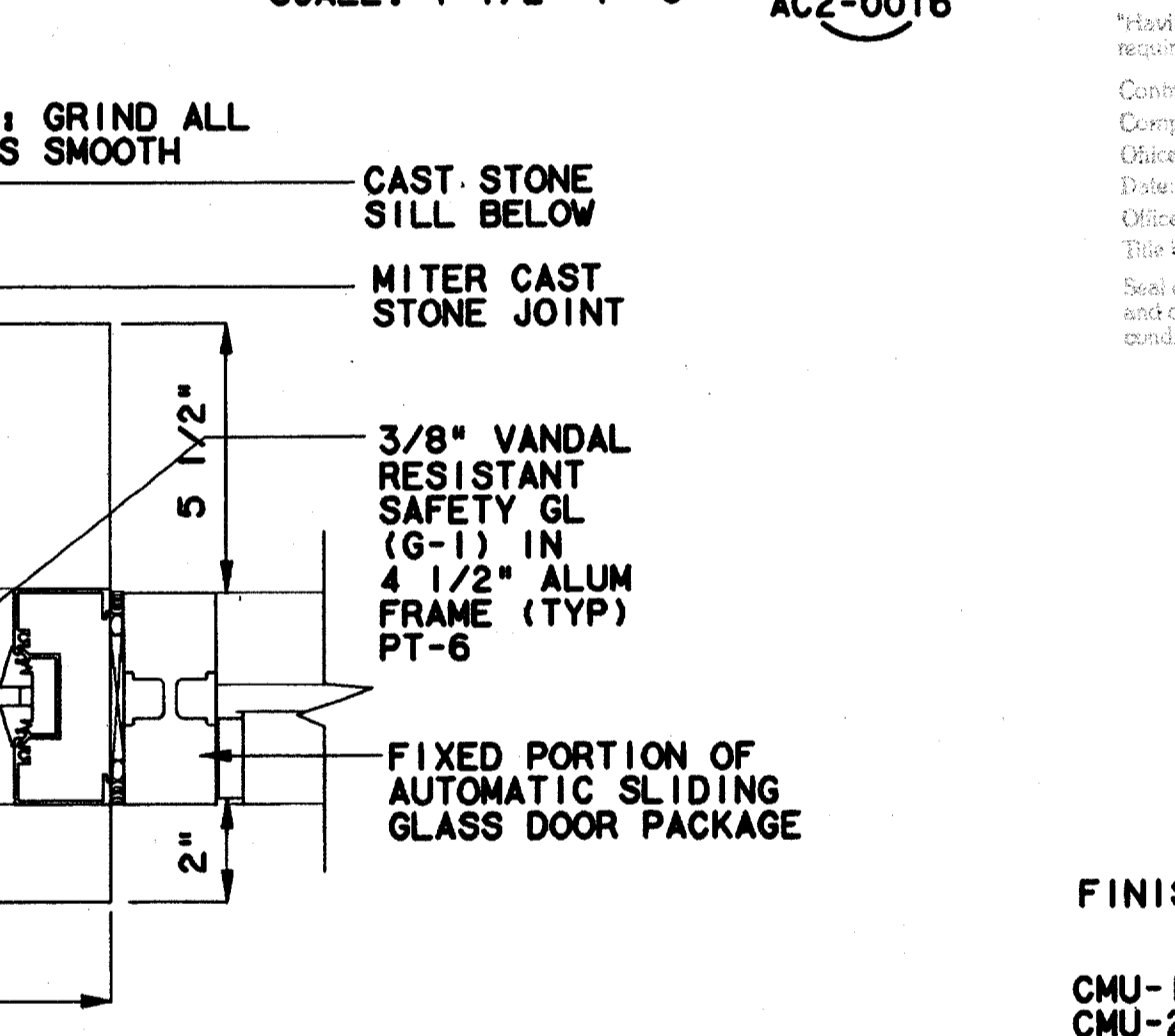
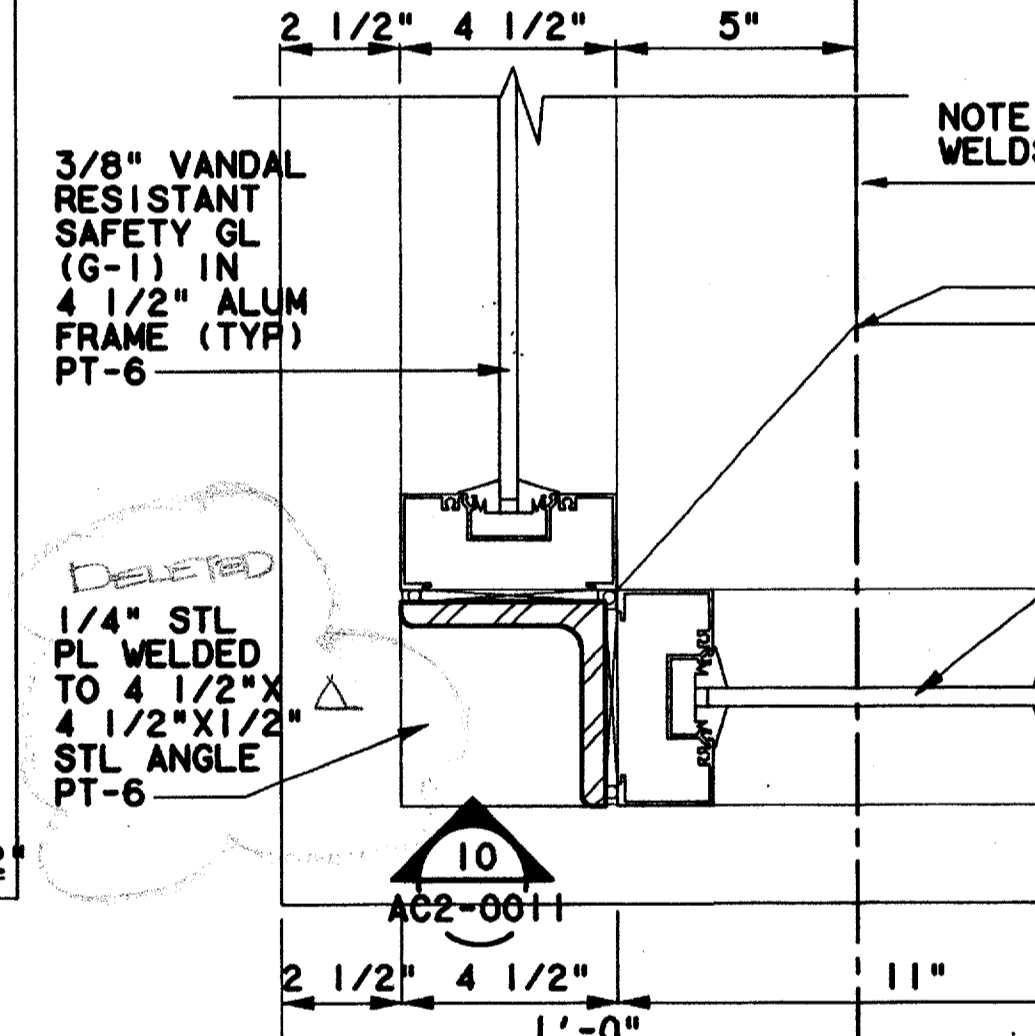
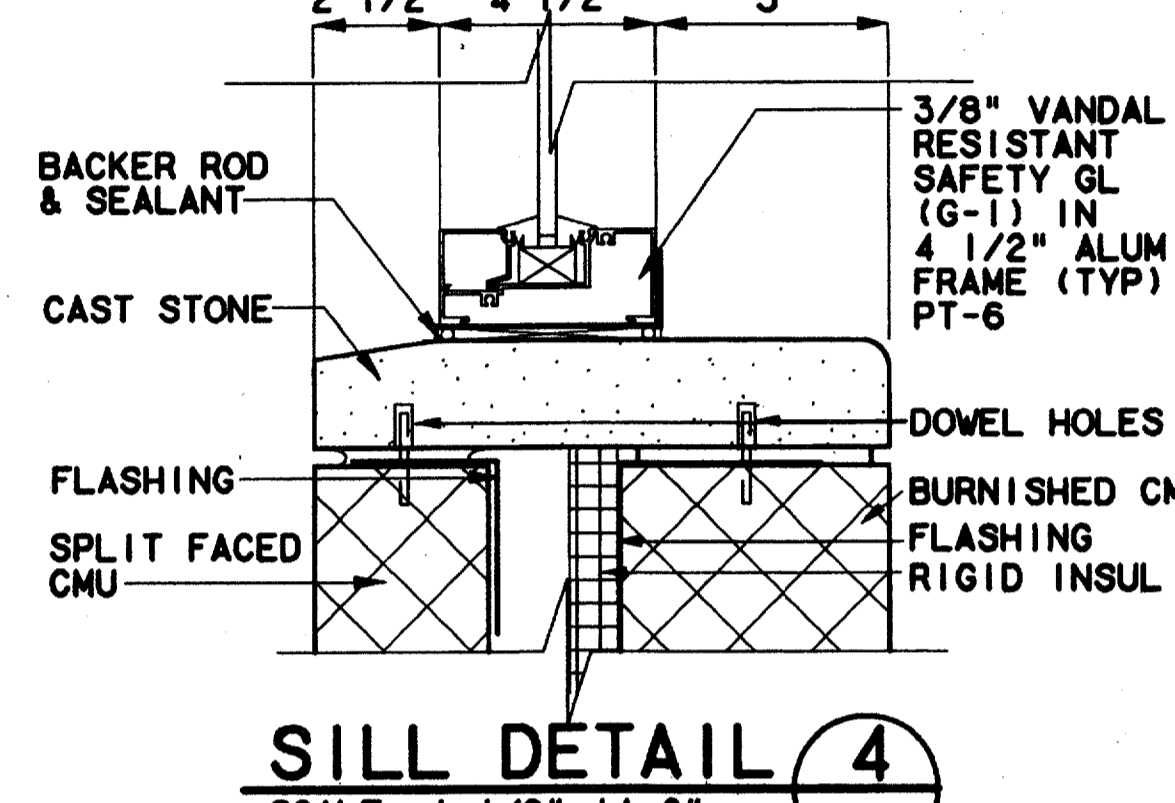
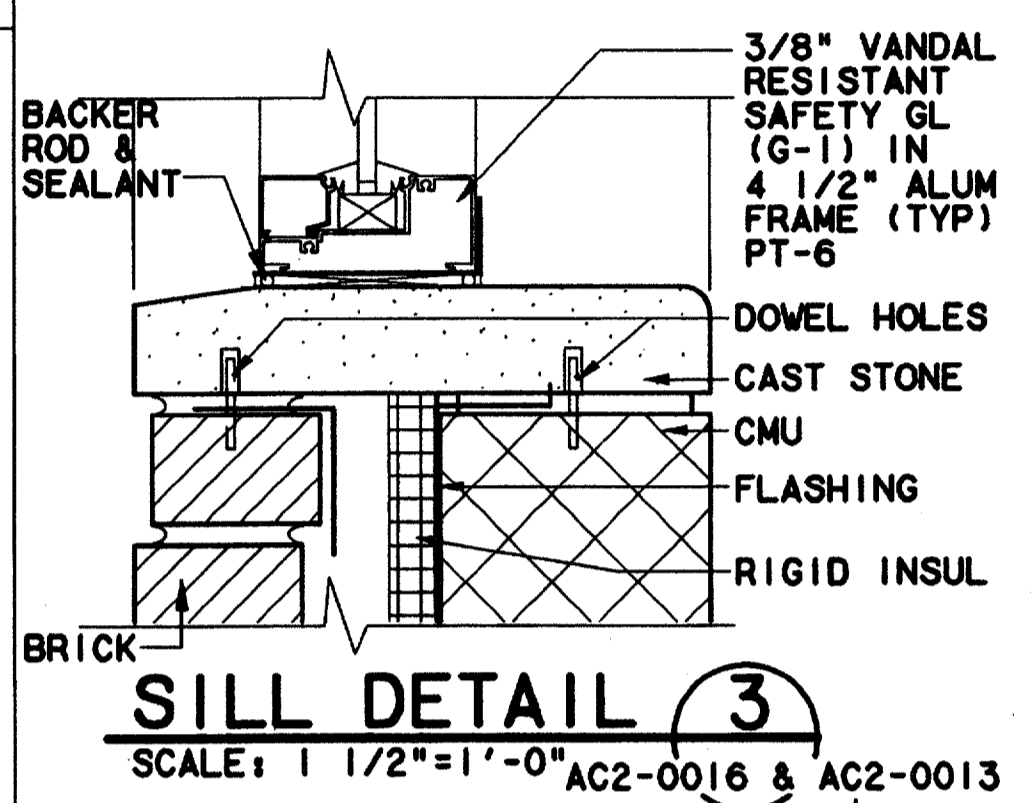
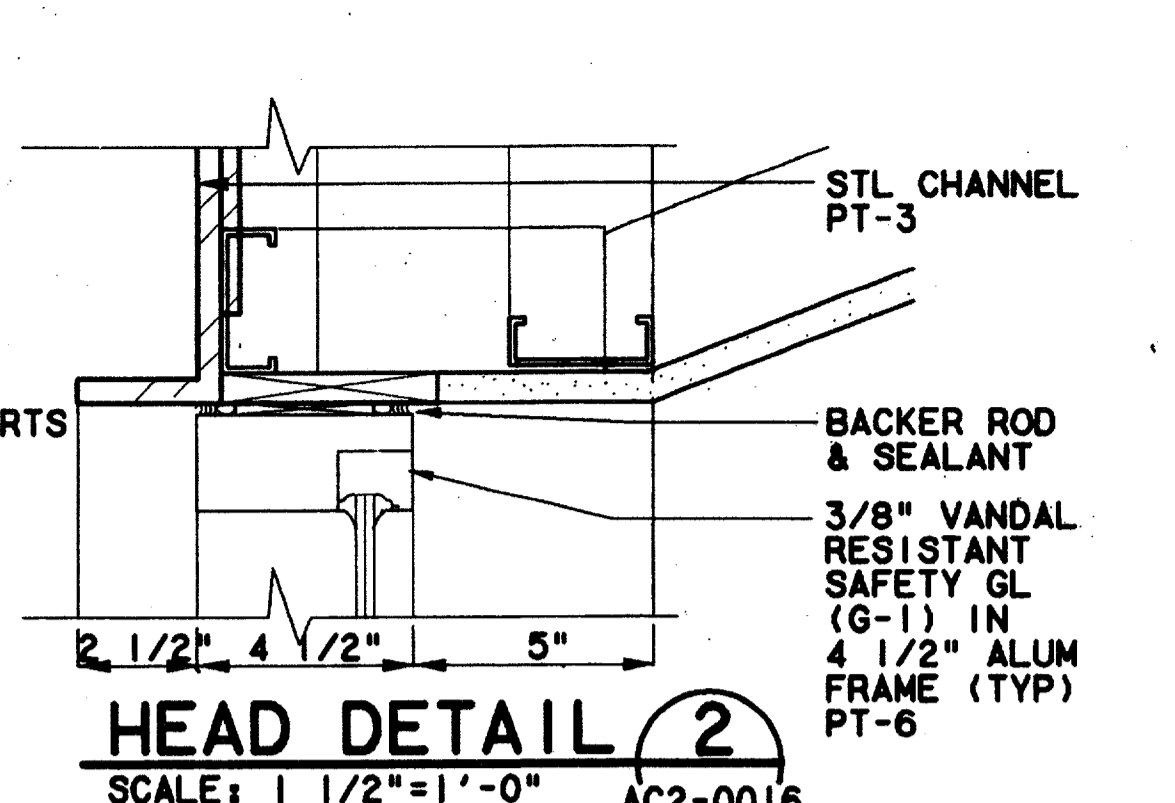
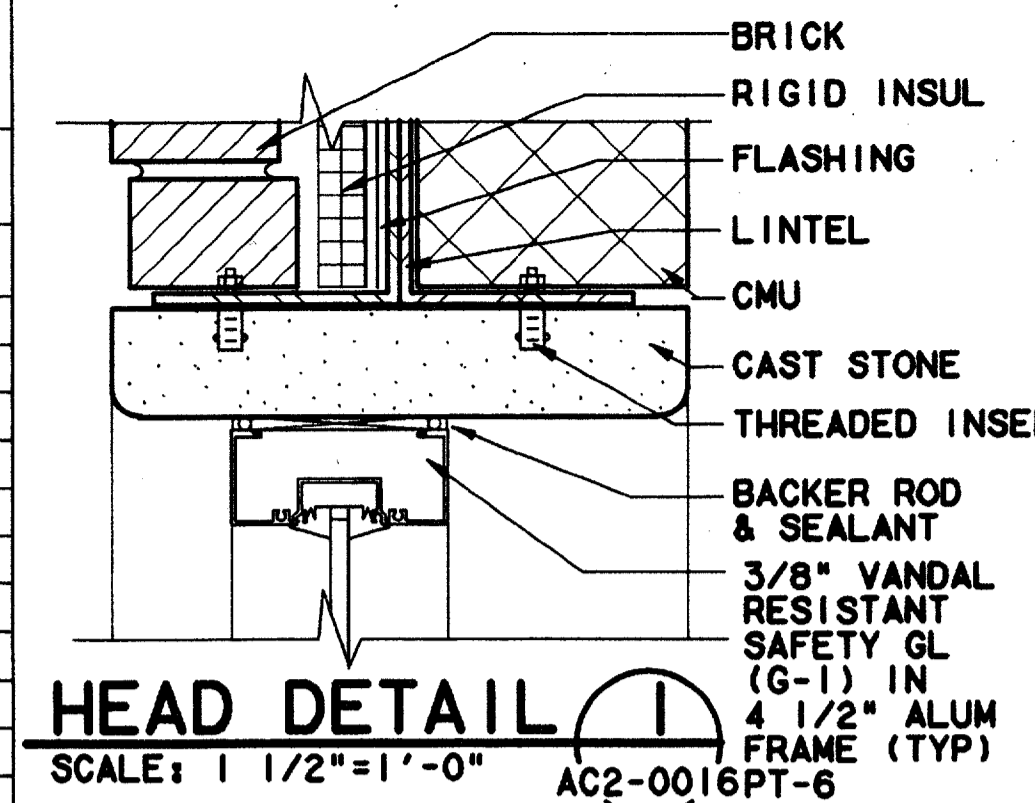
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 \$\$\$FILE2\$\$\$
 \$\$\$FILE3\$\$\$
 \$\$\$FILE4\$\$\$
 \$\$\$FILE5\$\$\$

DOOR SCHEDULE

NO	DOOR SIZE	TYPE	MATL	FIN	HDW SET	FRAME SCHEDULE						NOTES	
						TYPE	MATL	SIZE	FIN	HEAD	JAMB		SILL
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		WALLS				NOTES
			MATL	HT	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.

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
Title of Officer: PRESIDENT
Date: 7-2-99
Seal of Professional Engineer of Construction Contracting, including signature and date, thereby bearing record (as-built) drawings for accuracy of as-built condition reflected herein, must be placed below.



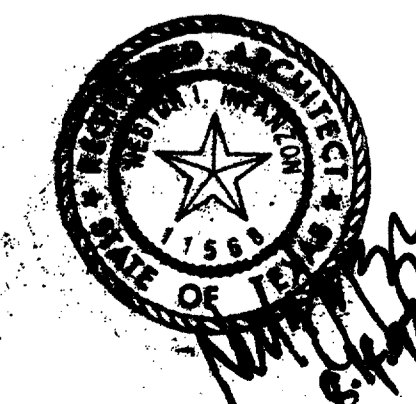
- FINISH LEGEND:
- CMU-1 SPLIT FACED CMU
 - CMU-2 BURNISHED CMU
 - GWB GYPSUM BOARD
 - CT-1 12 X 12 ANGELFIRE FLAGSTONE
 - CT-2 6 X 6 MAYFLOWER RED QUARY TILE
 - CT-3 6 X 6 SERENGETI FLAGSTONE
 - CT-4 6 X 6 ANGELFIRE FLAGSTONE

- 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

CONFORMED

CONTRACT SHEET No. 62 OF 95

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



Lockwood, Andrews & Newnam, Inc.
A SUBSIDIARY OF LEAD ALLY

WLA
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
1825 MARKET CENTER BLVD - SUITE 300
DALLAS, TEXAS 75207
(214) 741-7777

DART PROJECT

SCALE AS NOTED

DRAWN K. DEAN

DESIGNED N. INFANZON/K. DEAN

CHECKED N. INFANZON/RON BOLTON

IN CHARGE V. STEVENS

DATE 14 AUGUST 97

CAES

ADDISON TRANSIT CENTER

DOOR & FINISH SCHEDULE W/ DETAILS

CONTRACT C-97000136

DWG No. AC2-0010

REV 0

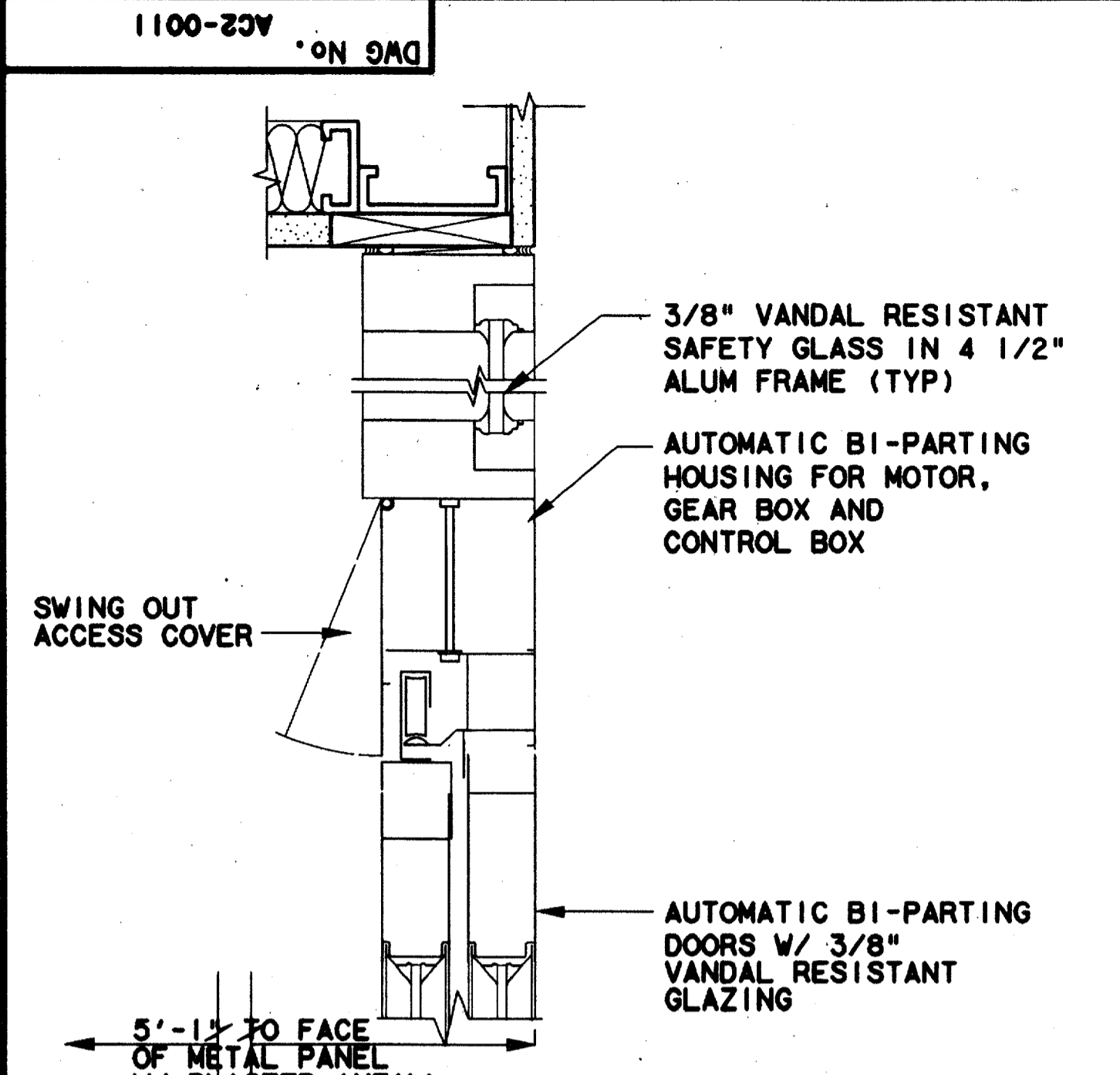
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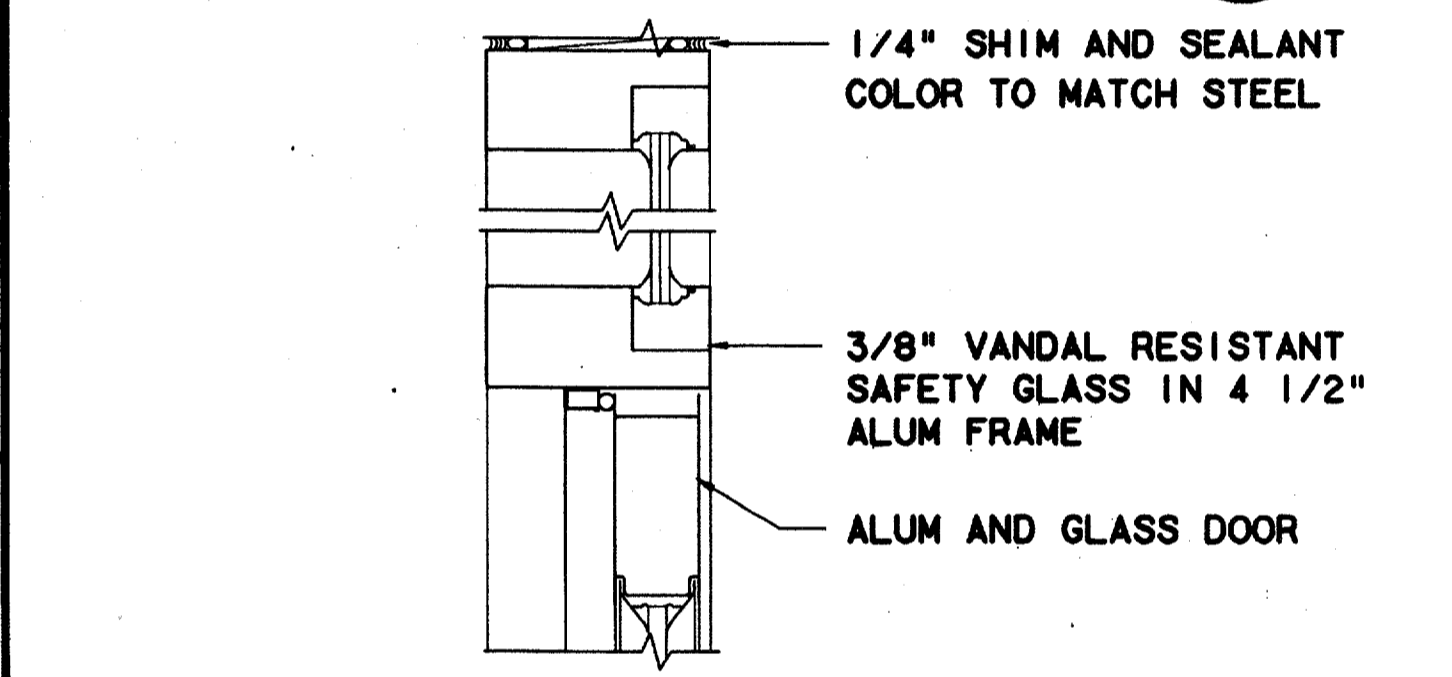
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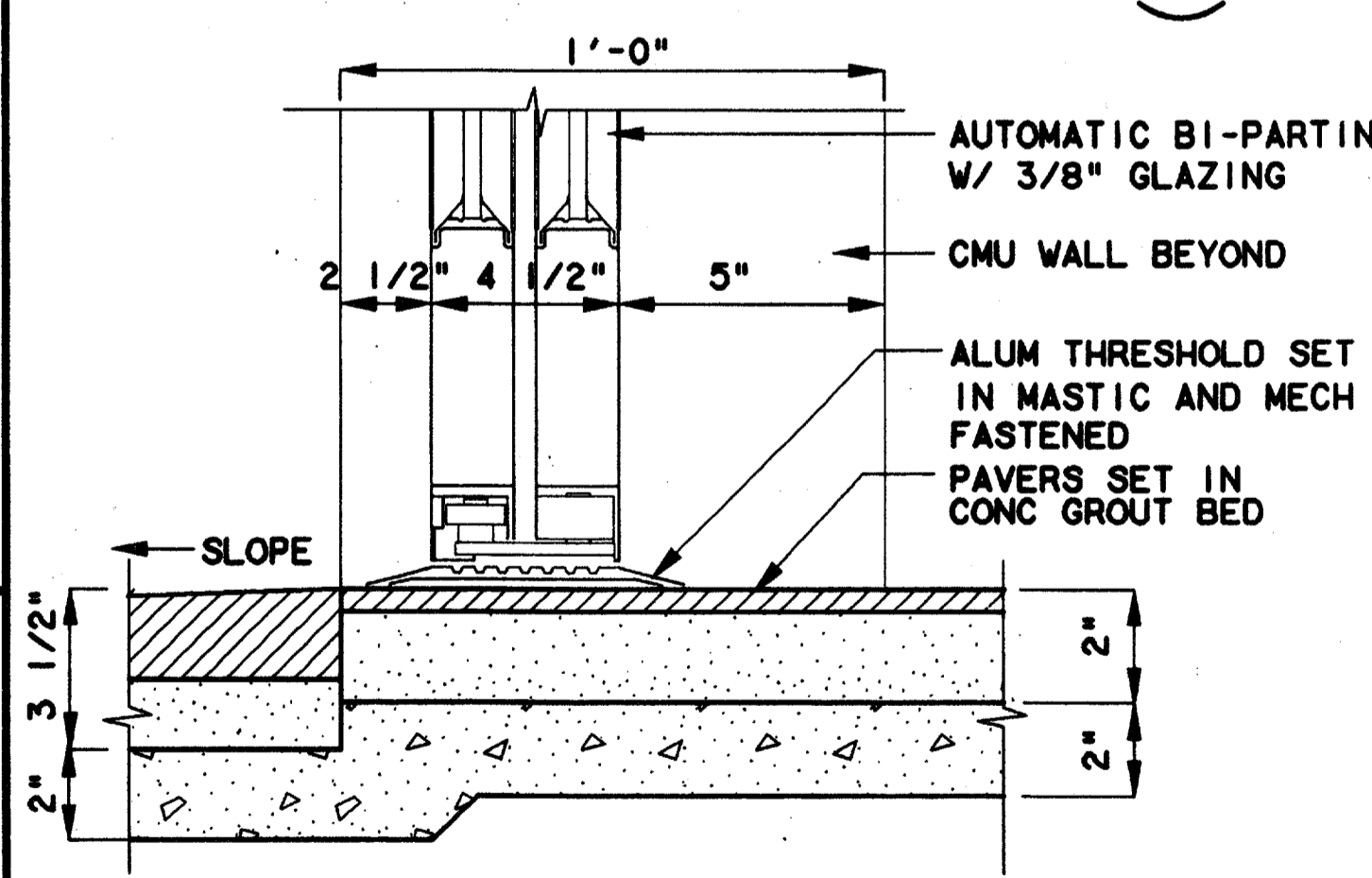
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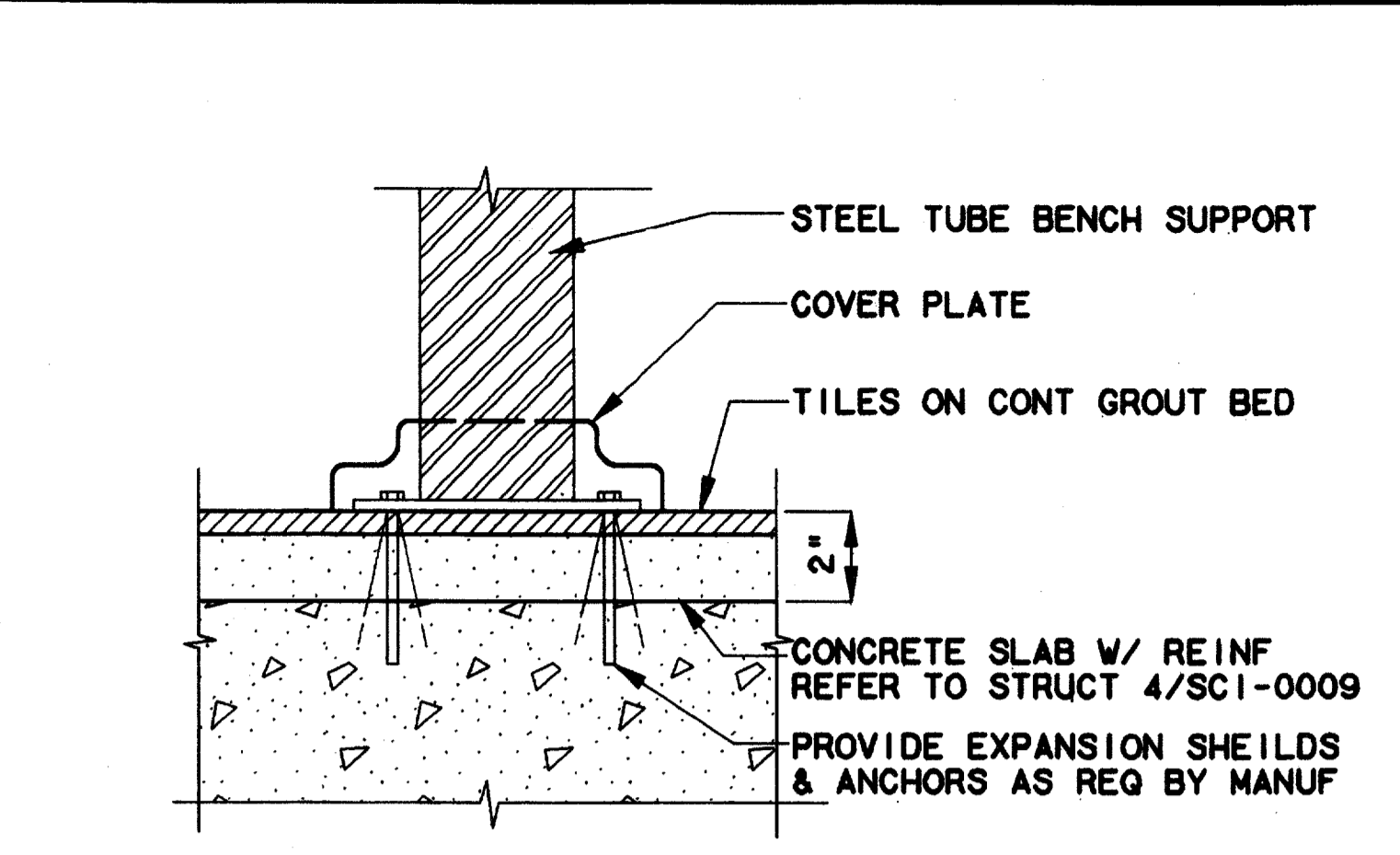
DOOR HEAD DETAIL 1
 SCALE: 3"=1'-0"
 AC2-0009 & AC2-0010



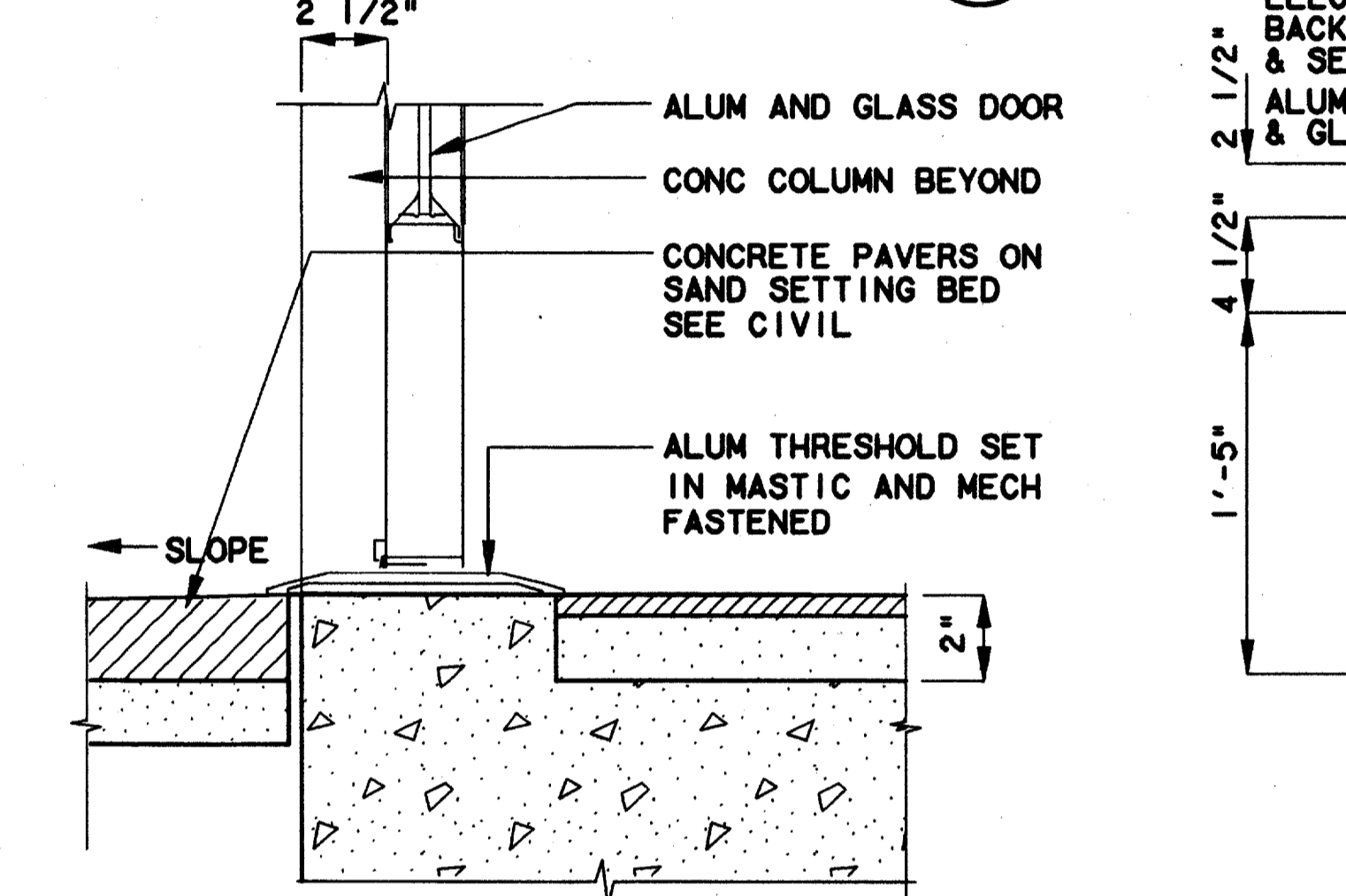
DOOR HEAD DETAIL 4
 SCALE: 3"=1'-0"
 AC2-0010



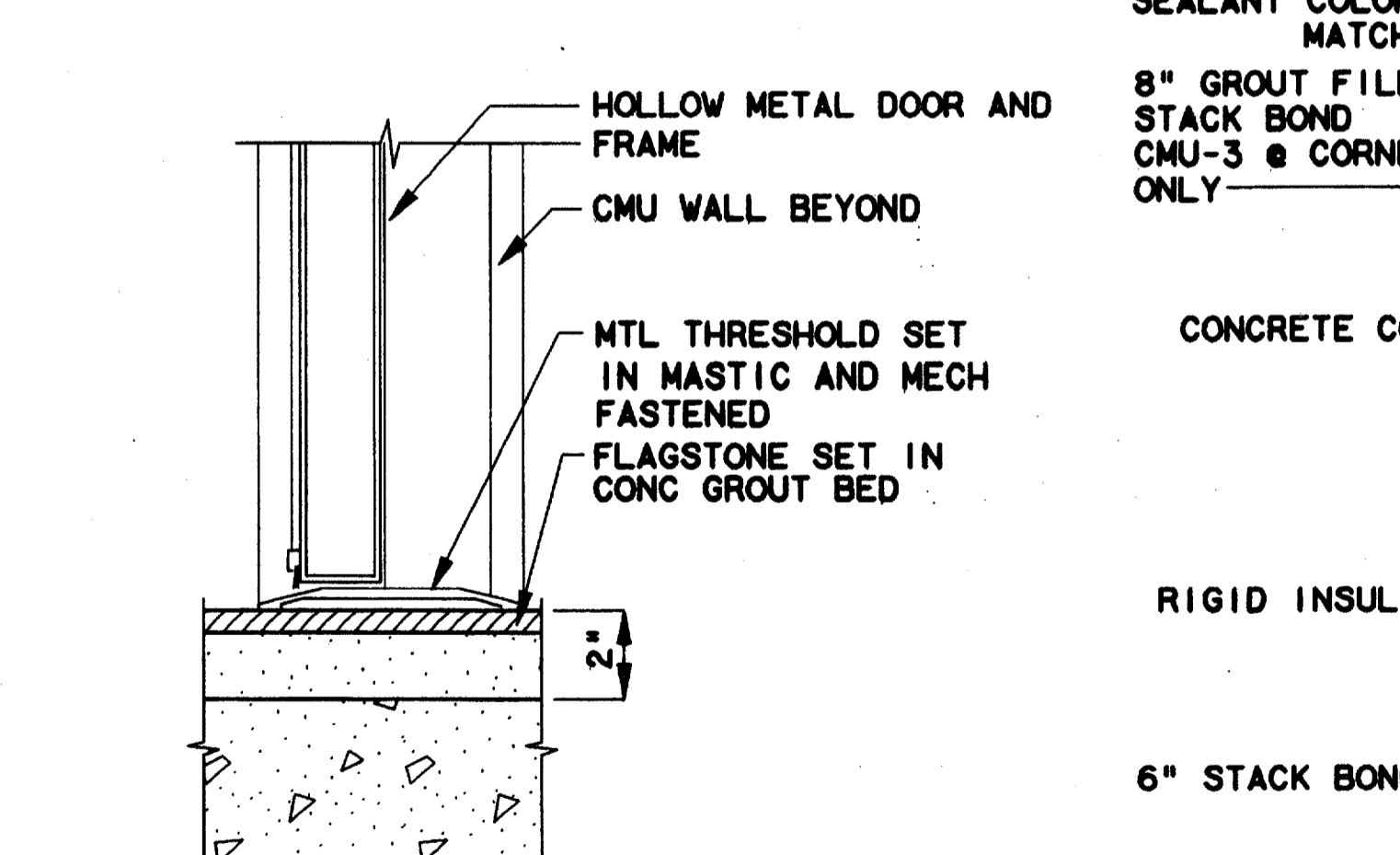
DOOR SILL DETAIL 6
 SCALE: 3"=1'-0"
 AC2-0010



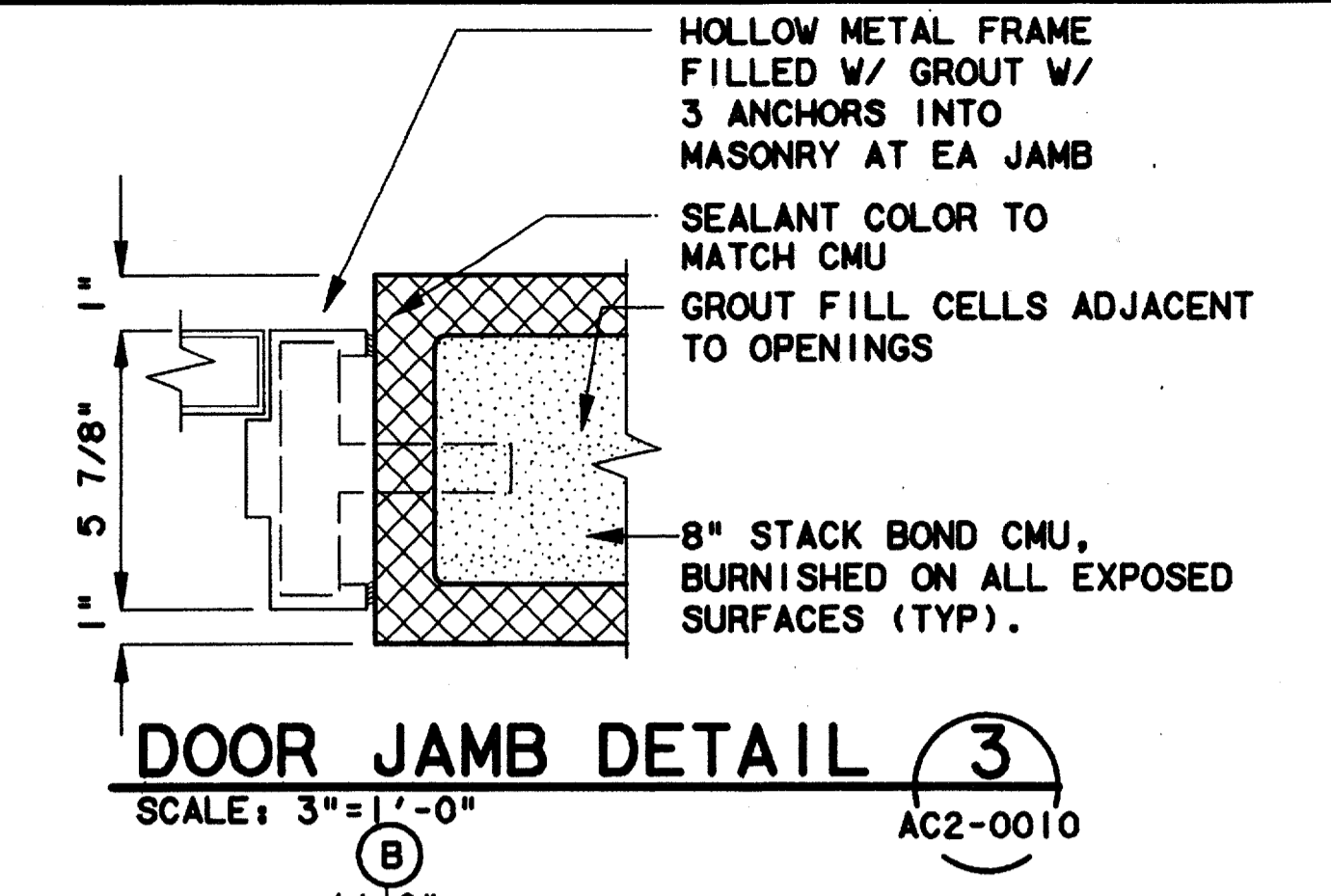
BENCH SUPPORT DETAIL 2
 NOT TO SCALE
 AC2-0004



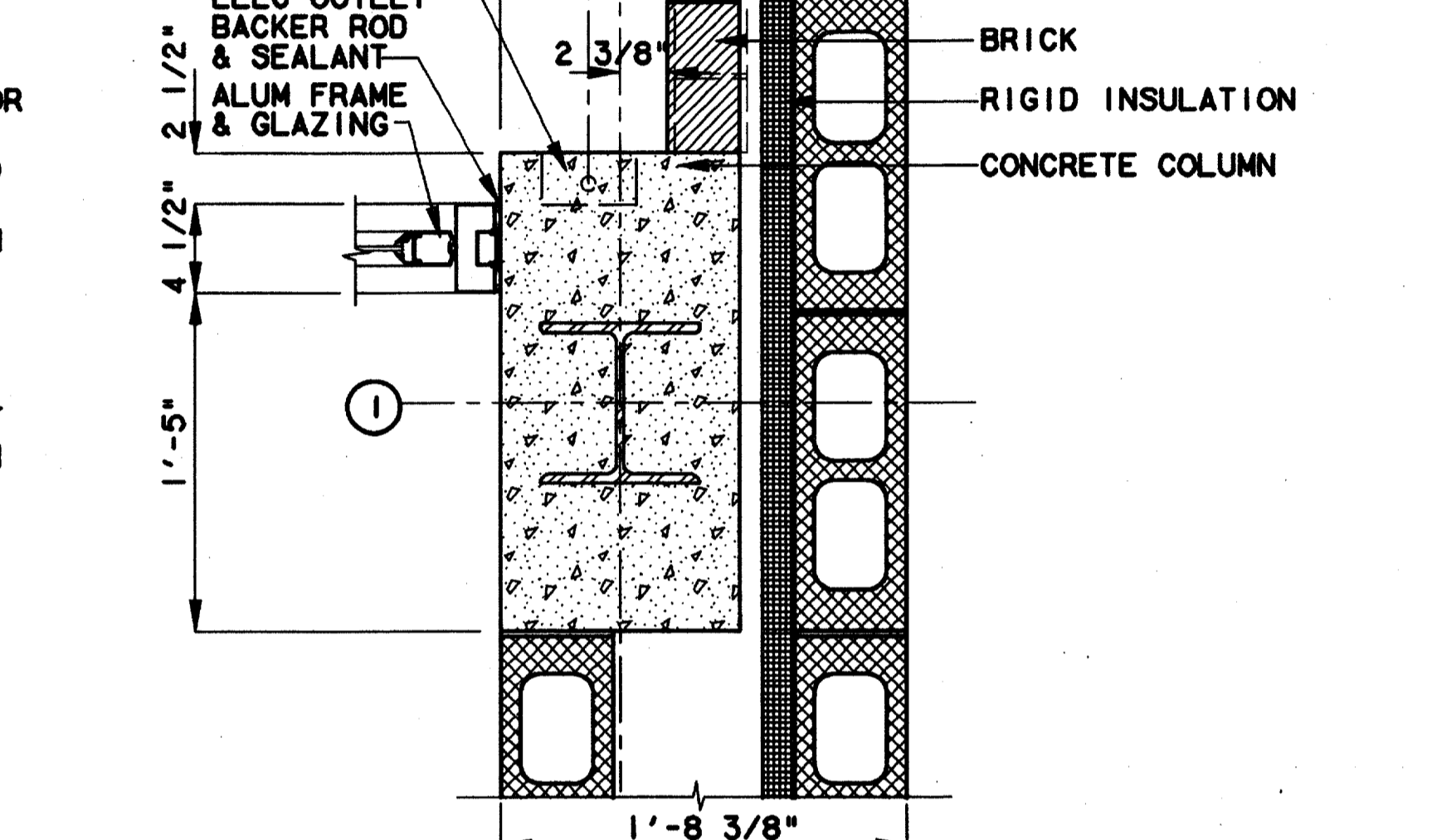
DOOR SILL DETAIL 5
 SCALE: 3"=1'-0"
 AC2-0010



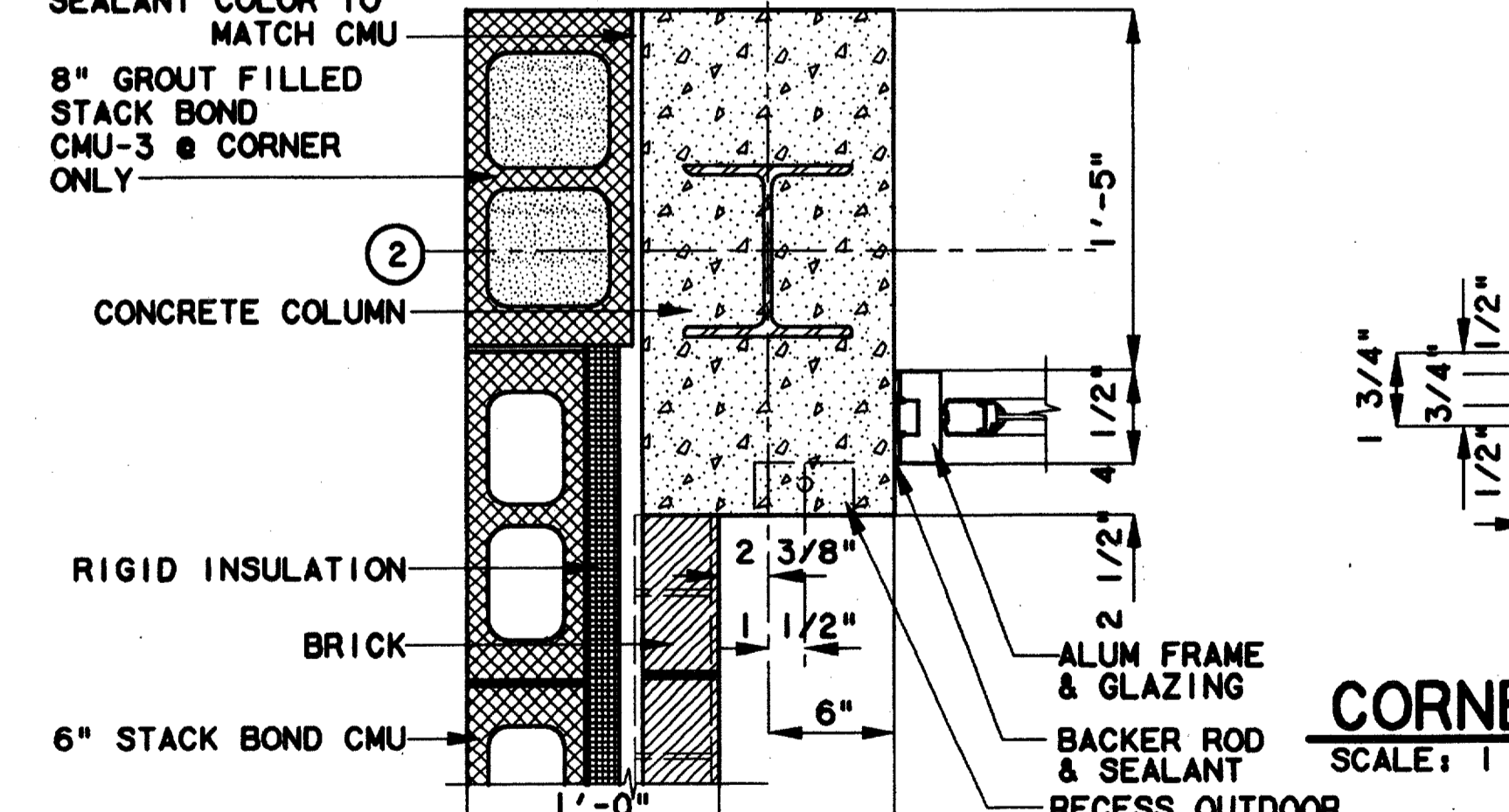
DOOR SILL DETAIL 7
 SCALE: 3"=1'-0"
 AC2-0010



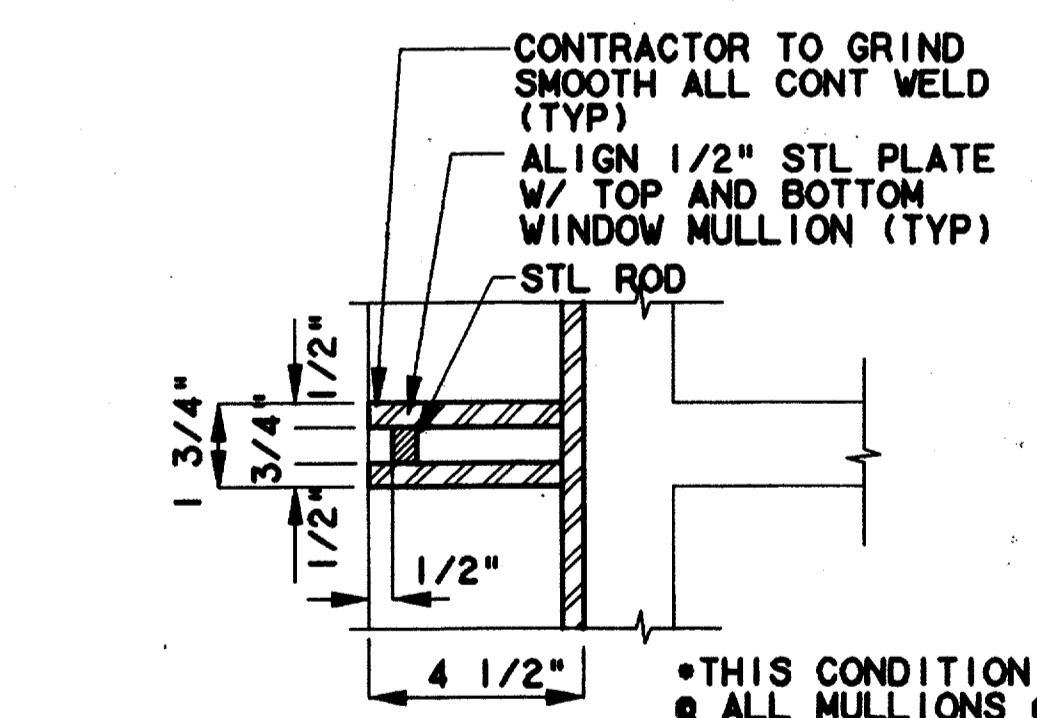
DOOR JAMB DETAIL 3
 SCALE: 3"=1'-0"
 AC2-0010



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



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



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

Record (As-built) Certification
 "Having checked this submission, we certify that it complies with the requirements of the contract to all applicable laws, codes and regulations."
 Contract Number: 97000136
 Company Name: WEA
 Date: 8/14/97
 Title of Firm (Typed): WEA
 Title of Officer (Typed): TOM KADER, PRESIDENT
 Seal of Professional Engineer of Construction Contractor including date and state, thereby certifying record (as-built) drawings for accuracy of as-built conditions reflected herein, must be placed below.

CONFORMED

CONTRACT SHEET No. 63 OF 95

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

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

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

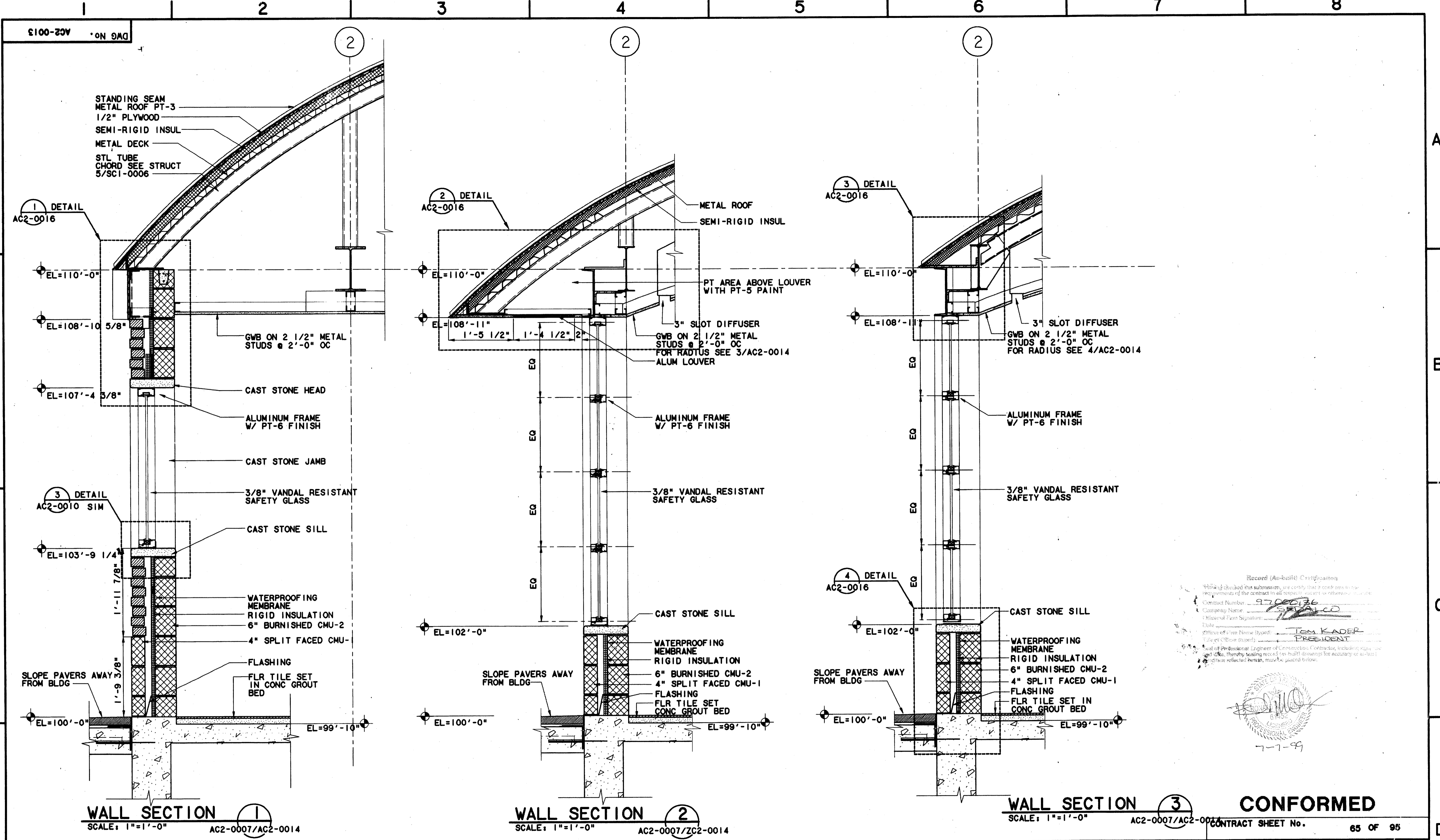
DART PROJECT

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

ADDISON TRANSIT CENTER
DOOR & WINDOW DETAILS

CONTRACT C-97000136 DWG No. AC2-0011 REV 0

\$\$\$SYTIME\$\$\$
 \$\$\$PRF\$\$\$
 \$\$\$USERNAME\$\$\$
 \$\$\$PRF ROT\$\$\$
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 \$\$\$FILE4\$\$\$
 \$\$\$FILE5\$\$\$



Record (As-built) Certification
 Having checked the submission, we certify that it complies with the requirements of the contract in all respects as shown or otherwise indicated.
 Contract Number: 97000136
 Company Name: WEA
 Professional Firm Signature: *[Signature]*
 Date: 7-7-99
 Title of Firm Representative: *[Signature]*
 Title of Engineer: PRESIDENT
 Seal of Professional Engineer of Construction Contractor, including signature and date, thereby sealing record as built drawings for accuracy of as-built conditions reflected herein, must be placed below.

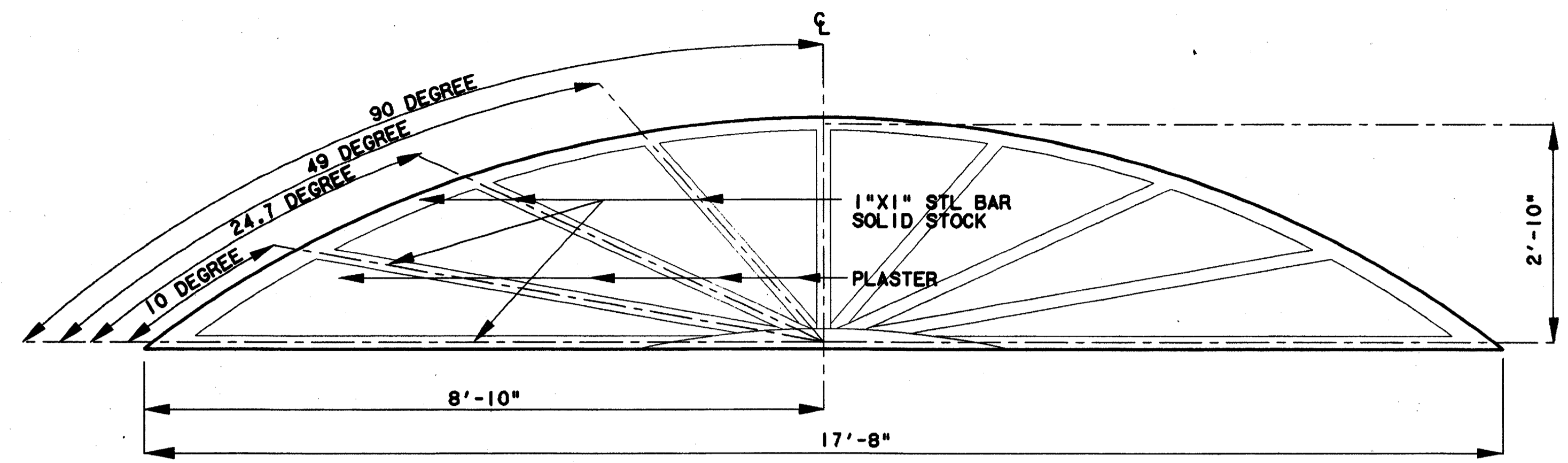
CONFORMED

Lockwood, Andrews & Newnam, Inc. A SUBSIDIARY OF LEO A DALY				WENDY LOPEZ & ASSOCIATES, INC. ENGINEERING • SURVEYING • CONSTRUCTION SERVICES 105 MARKET CENTER BLVD - SUITE 900 DALLAS, TEXAS 75207 (214) 761-7777				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								
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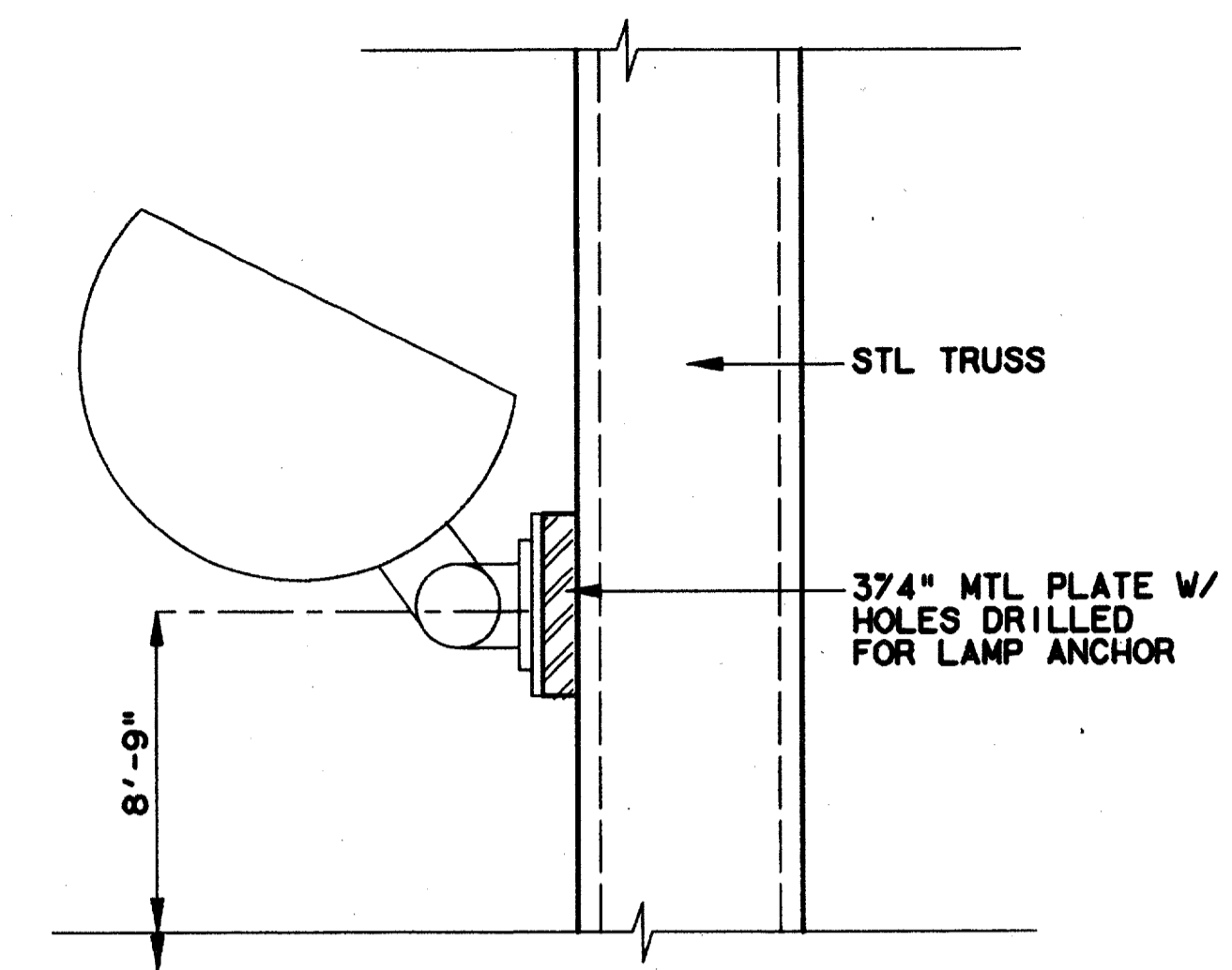
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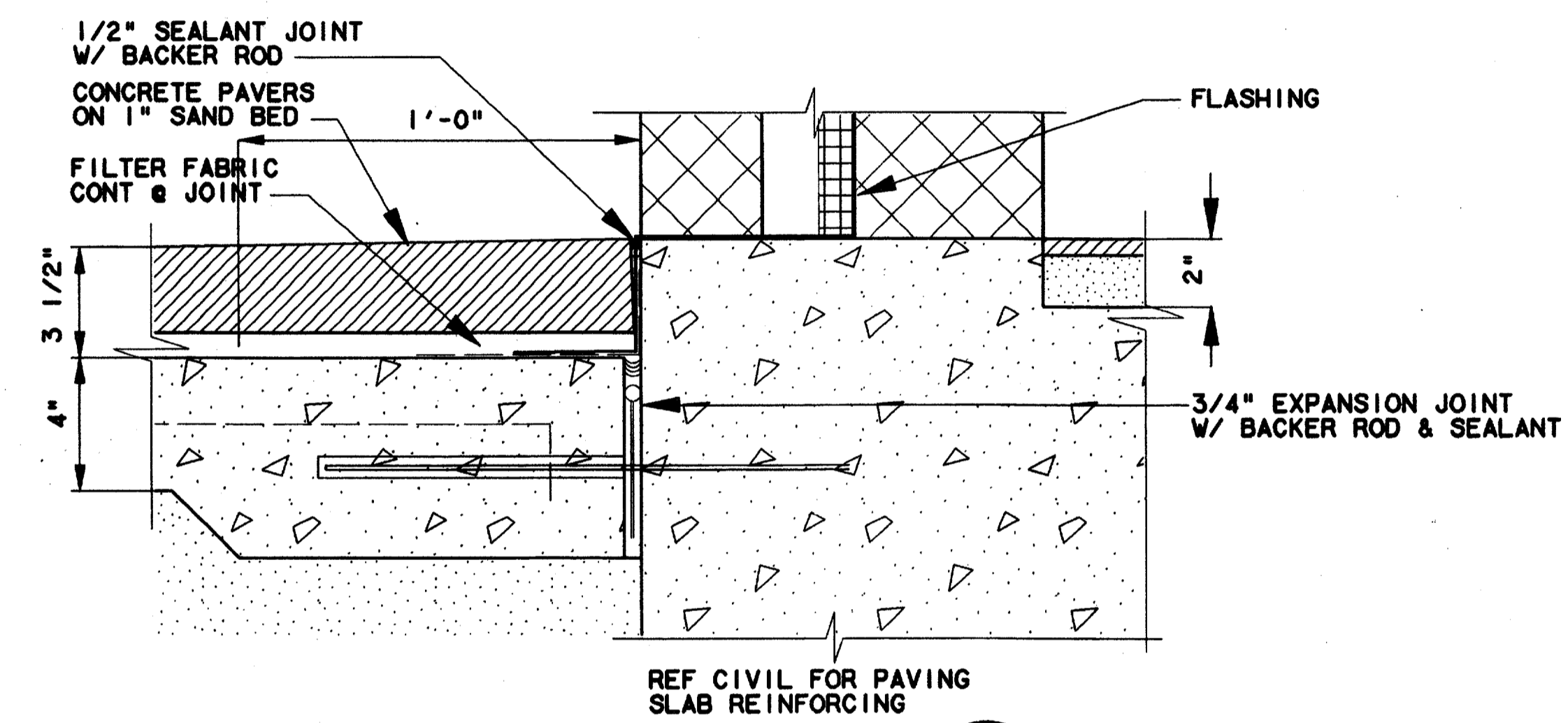
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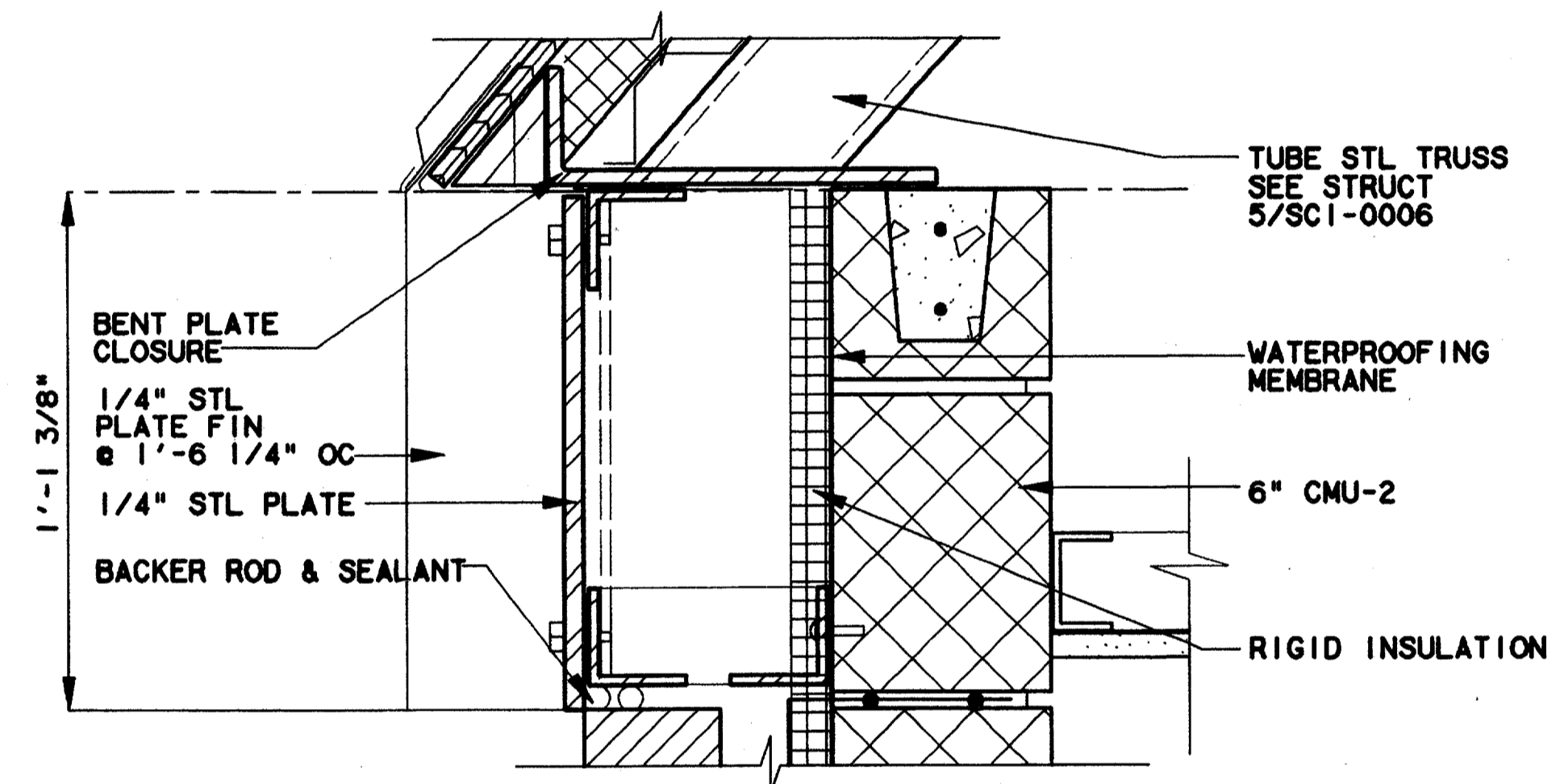
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 AC2-0007



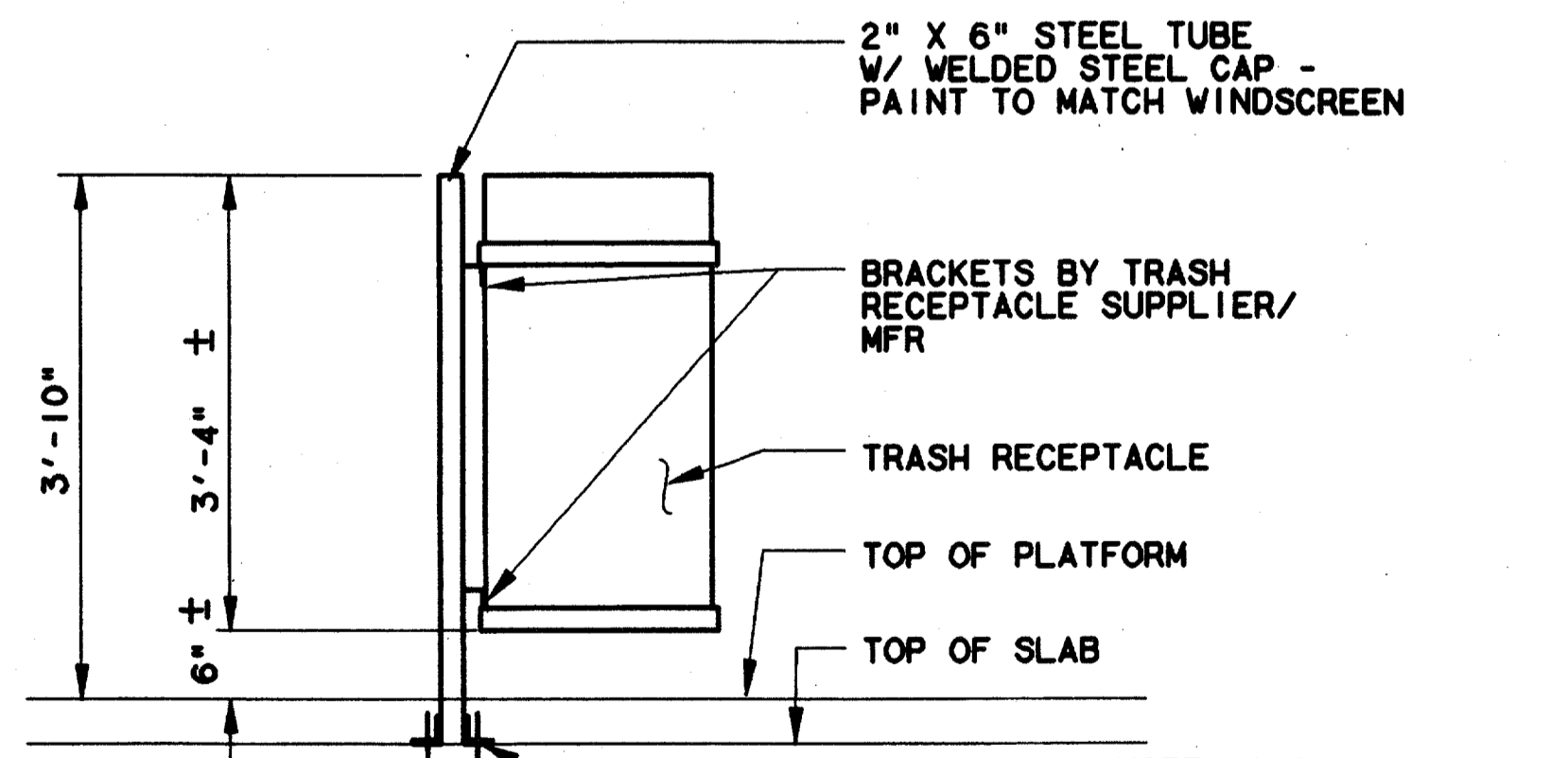
LIGHTING DETAIL 2
 SCALE: 3"=1'-0"
 AC2-0001



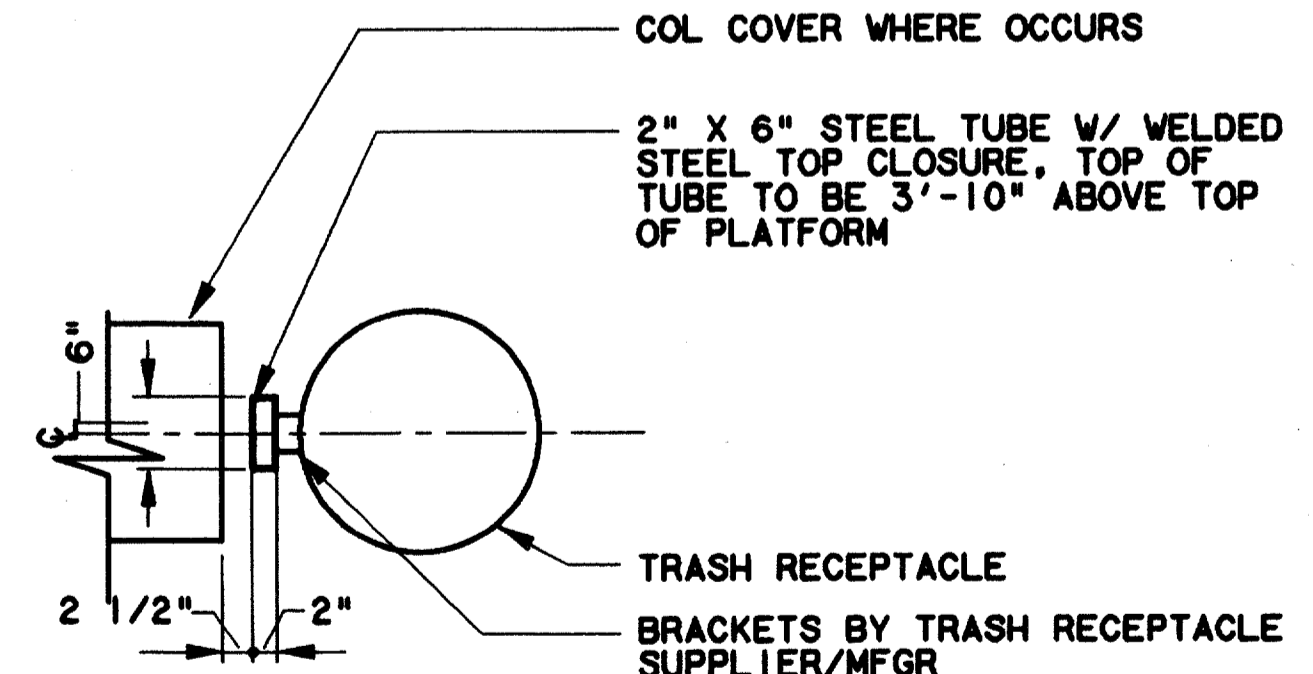
DETAIL 3
 SCALE: 3"=1'-0"
 AC2-0016



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



EXTERIOR TRASH RECEPTACLE ELEVATION 5
 SCALE: 3"=1'-0"
 NOTE: ANCHOR STEEL TUBE TO SLAB SIMILAR TO WINDSCREEN ATTACHMENT TO SLAB



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

Record (As-Built) Certificate
 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: WLA
 Office of Firm Signature: [Signature]
 Date: 14 AUGUST 97
 Title of Official (Typed): TOM KADER, PRESIDENT
 Seal of Professional Engineer of Construction, including signature and date, shall be retained in the original drawings for accuracy of as-built conditions reflected 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
△							△						
△							△						
△							△						
△							△						
△							△						



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

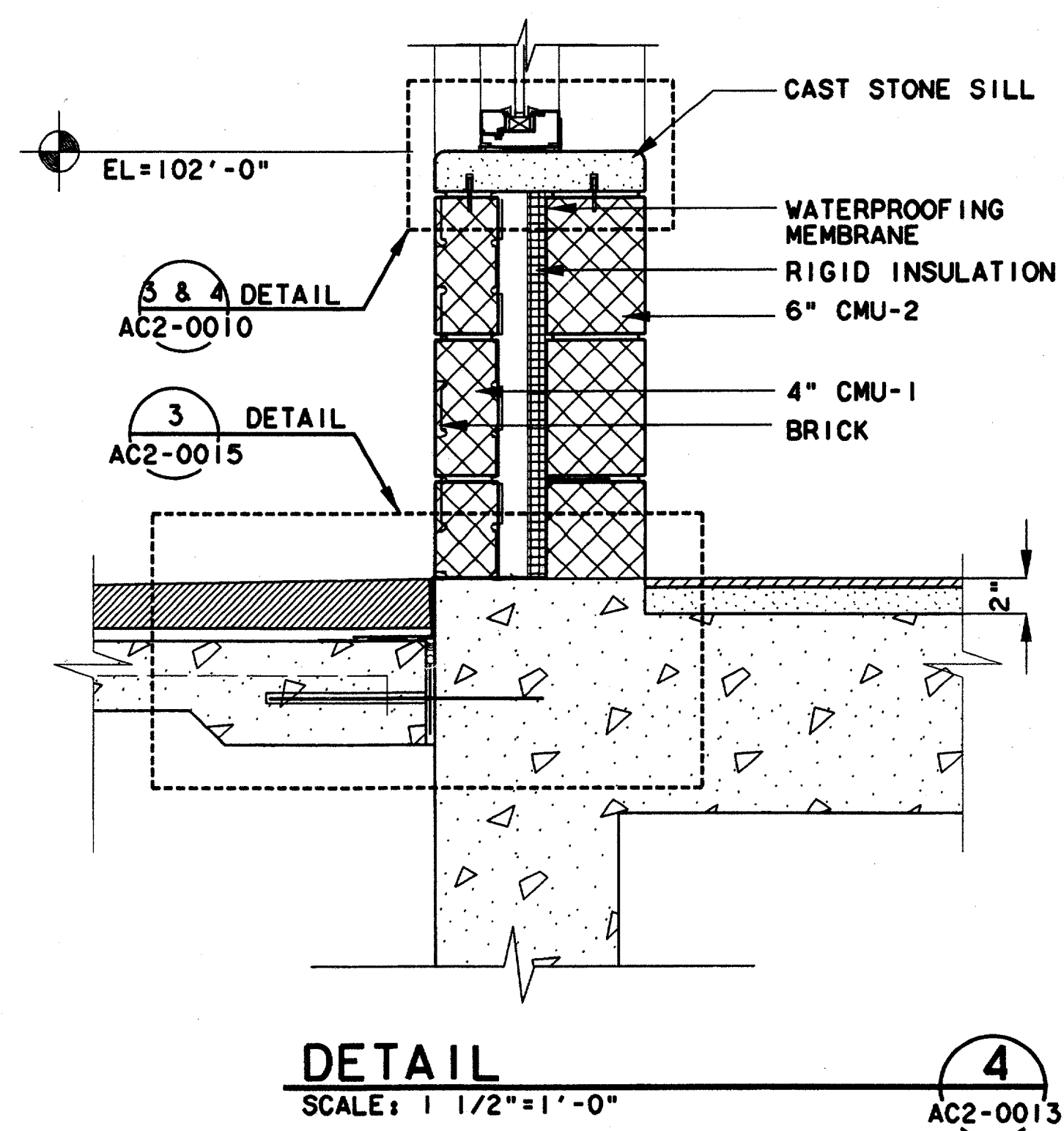
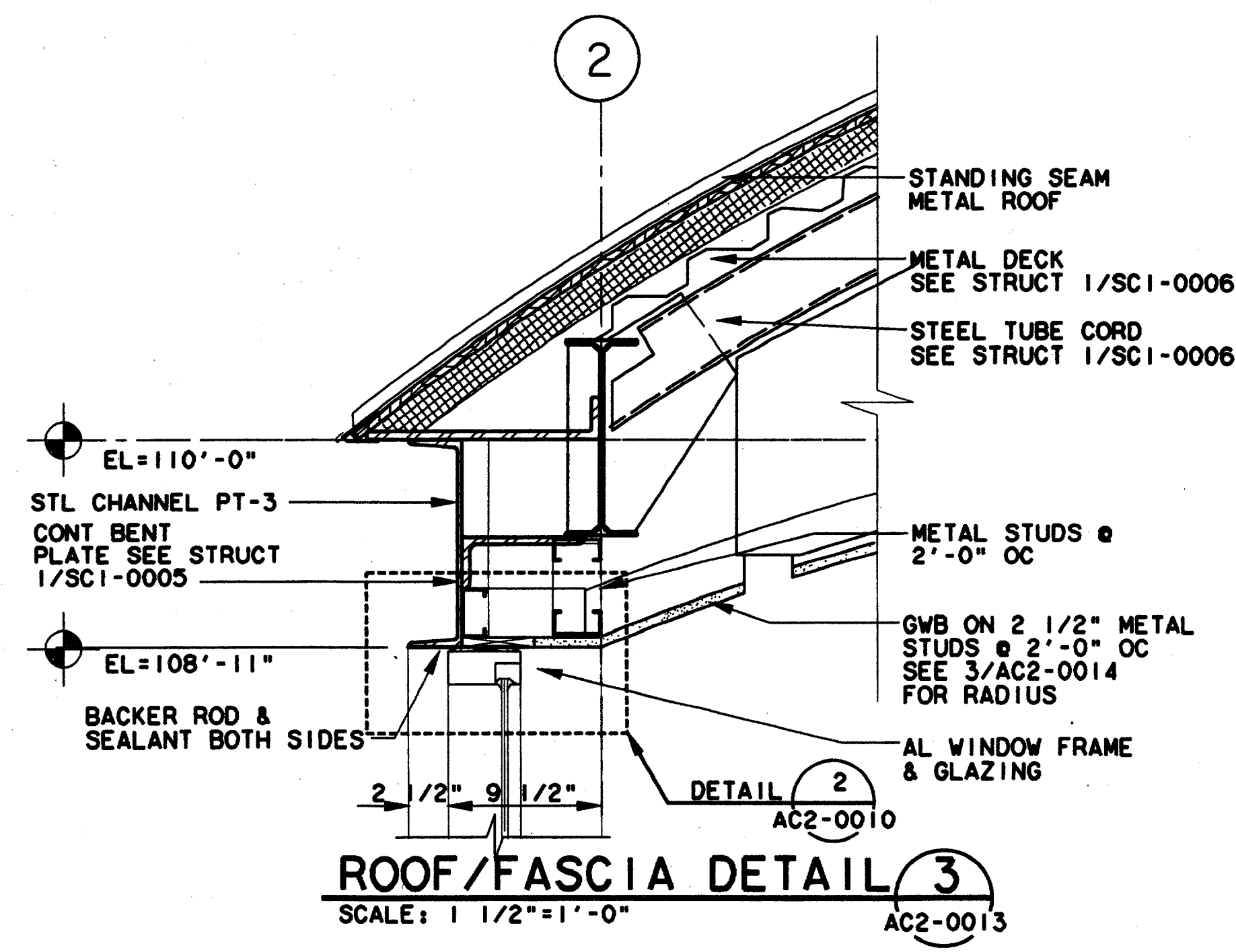
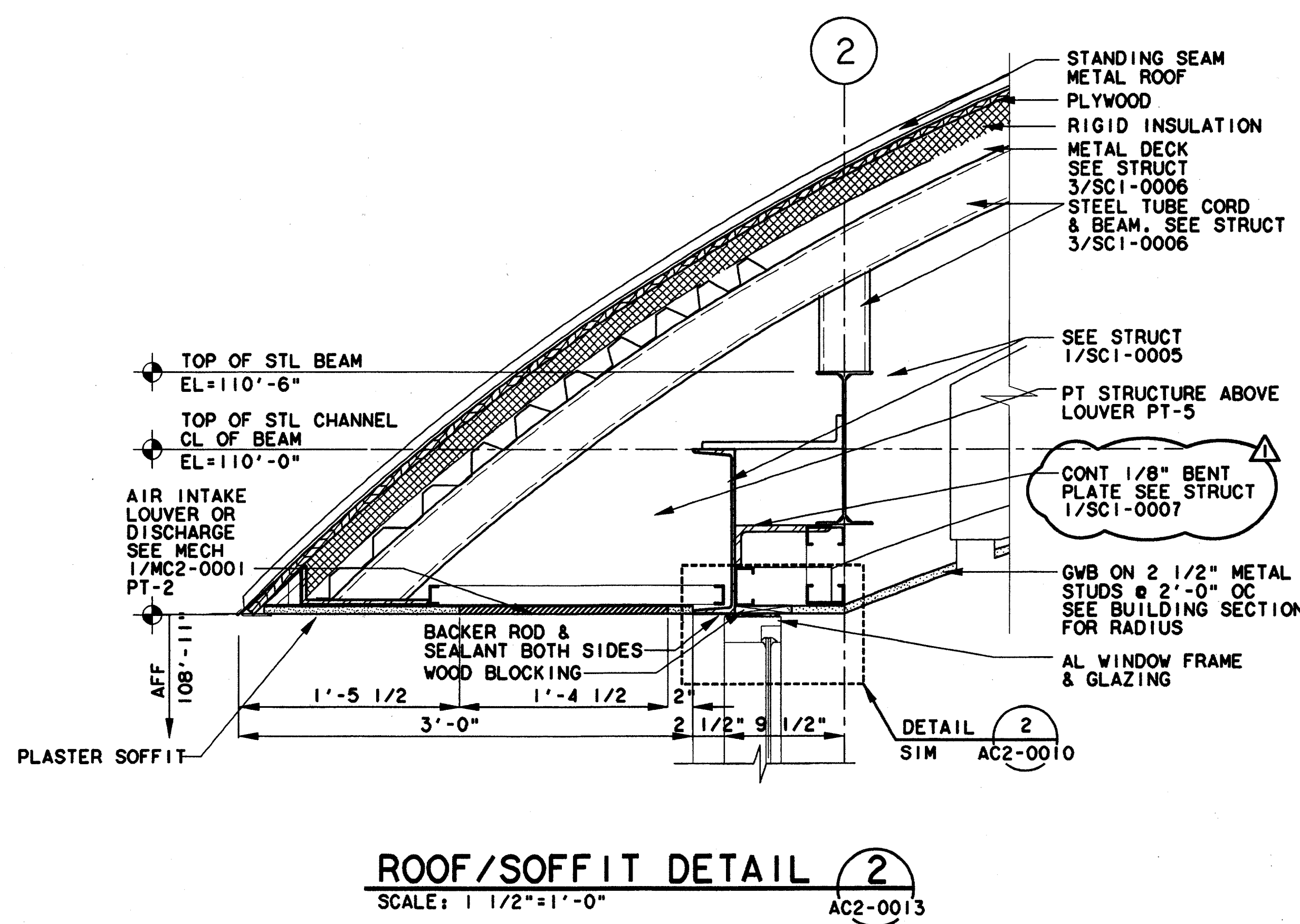
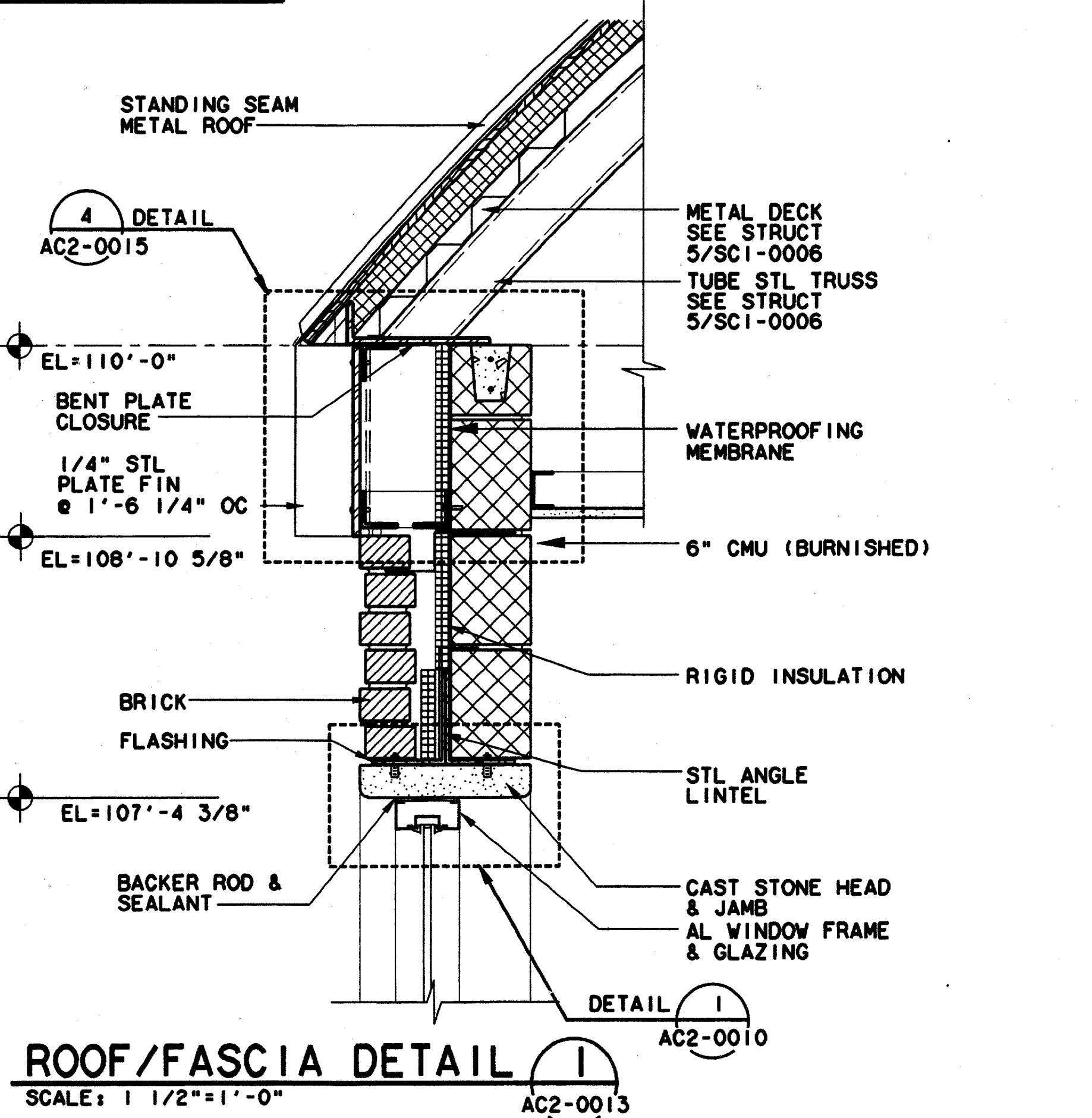
WLA
 WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 303 MARKET CENTER BLVD - SUITE 510
 DALLAS, TEXAS 75201
 (214) 741-7777

DART PROJECT

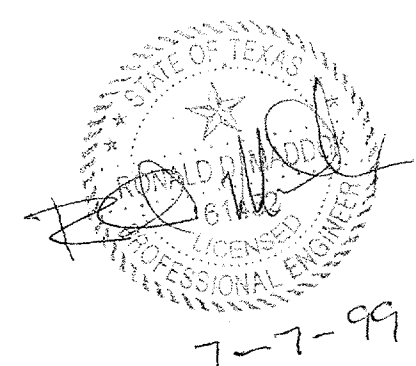
SCALE: 1 1/2" = 1'-0"
 DRAWN: K. DEAN
 DESIGNED: N. INFANZON/K. DEAN
 CHECKED: N. INFANZON/RON BOLTON
 IN CHARGE: V. STEVENS
 DATE: 14 AUGUST 97



CONTRACT C-97000136
 DWG No. AC2-0015
 REV 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 otherwise indicated.
 Contract Number: 97000136
 Company Name: WEAVER
 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 Government, including signature and date, transfer bearing record (as-built) drawings for accuracy of as-built conditions indicated hereon, must be placed below.



CONFORMED

CONTRACT SHEET No. 68 OF 95

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

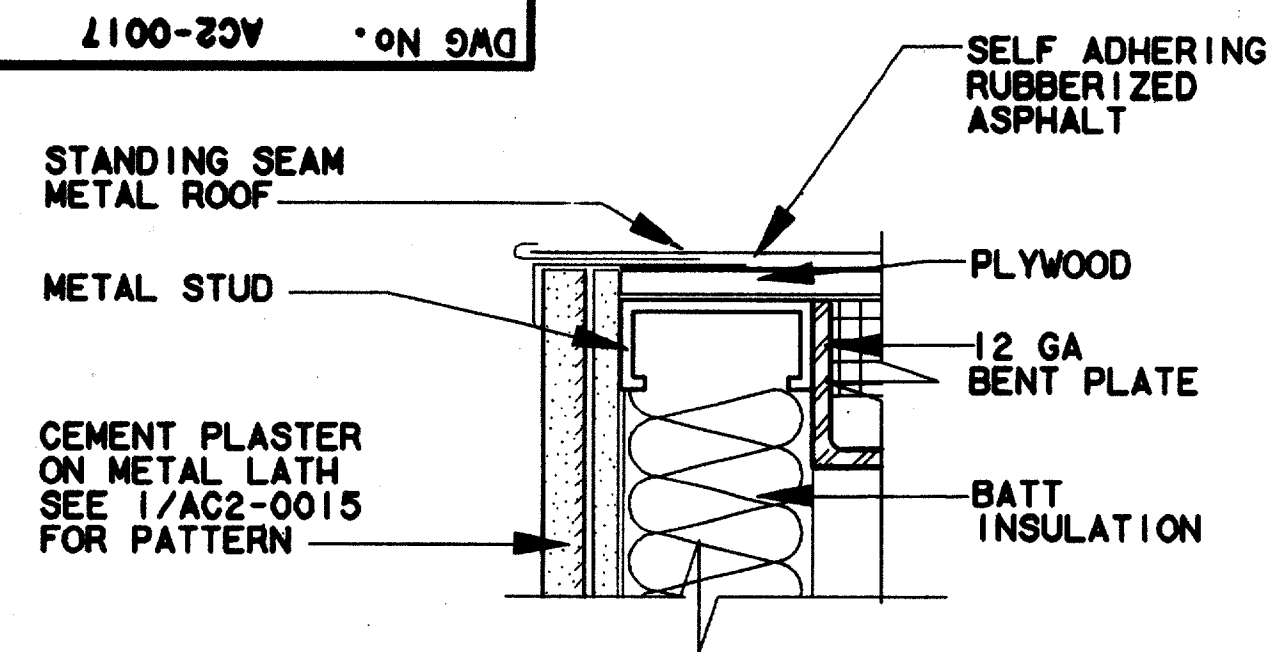
 Lockwood, Andrews & Newnam, Inc. A subsidiary of LEO A DALY	 WENDY LOPEZ & ASSOCIATES, INC. ENGINEERING • SURVEYING • CONSTRUCTION SERVICES 102 MARKET CENTER BLVD - SUITE 310 DALLAS, TEXAS 75207 (94) 745-7777	 DART PROJECT	SCALE: 1 1/2"=1'-0"	ADDISON TRANSIT CENTER ENCLOSURE DETAILS
			DRAWN: _____ DESIGNED: _____ CHECKED: _____ IN CHARGE: V. STEVENS DATE: AUG. 1997	
			 CONTRACT C-97000136	DWG No. AC2-0016 REV 1

\$\$\$\$\$SPECIFICATION\$\$\$\$\$
 \$\$\$SYTIME\$\$\$\$\$
 \$\$\$PRF\$\$\$
 \$\$\$USERNAME\$\$\$

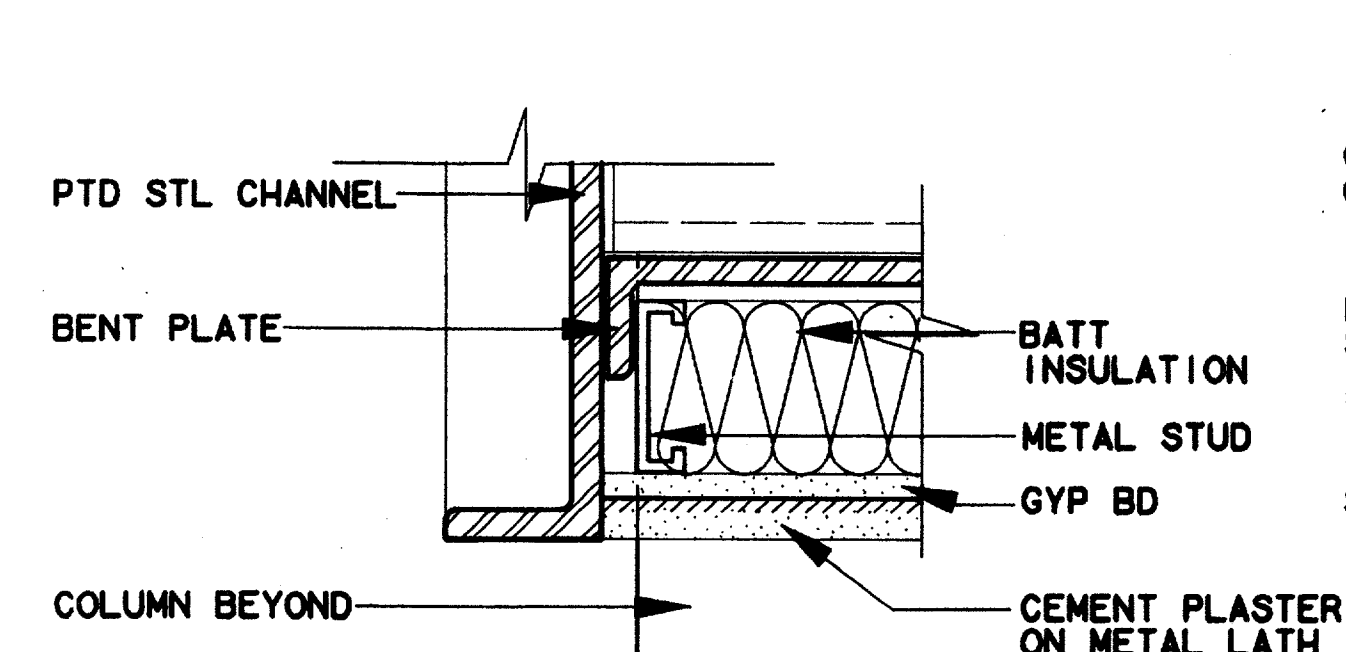
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 \$\$\$PEN\$\$\$

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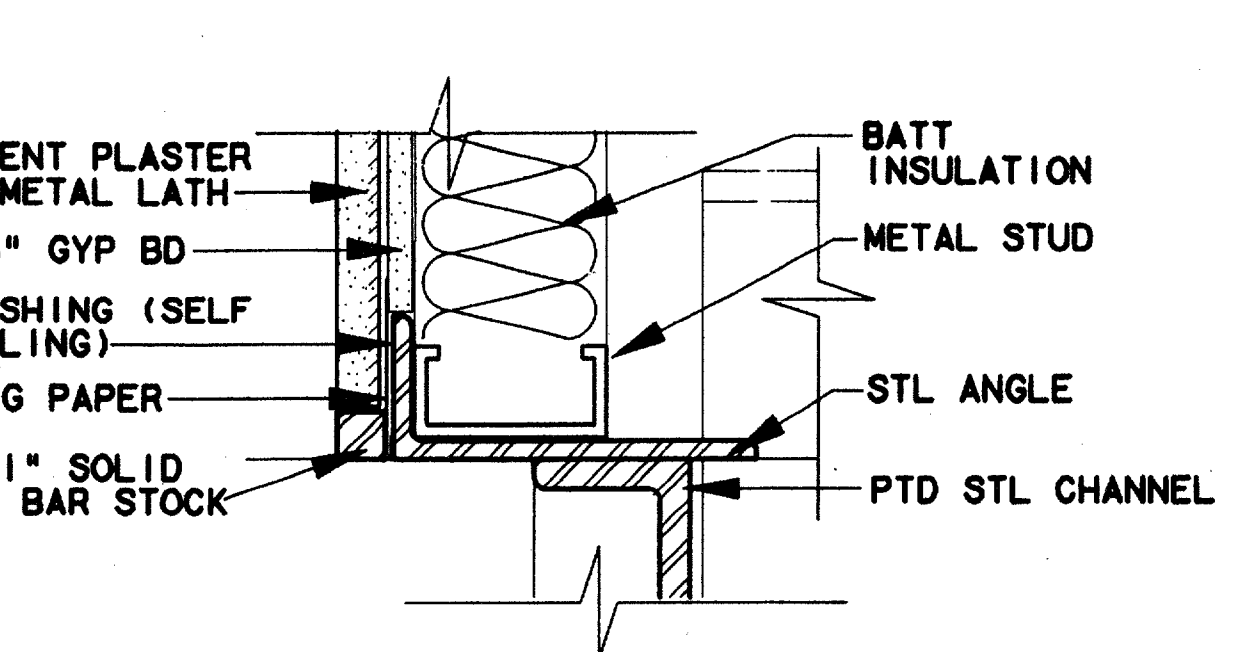
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 \$\$\$FILE5\$\$\$



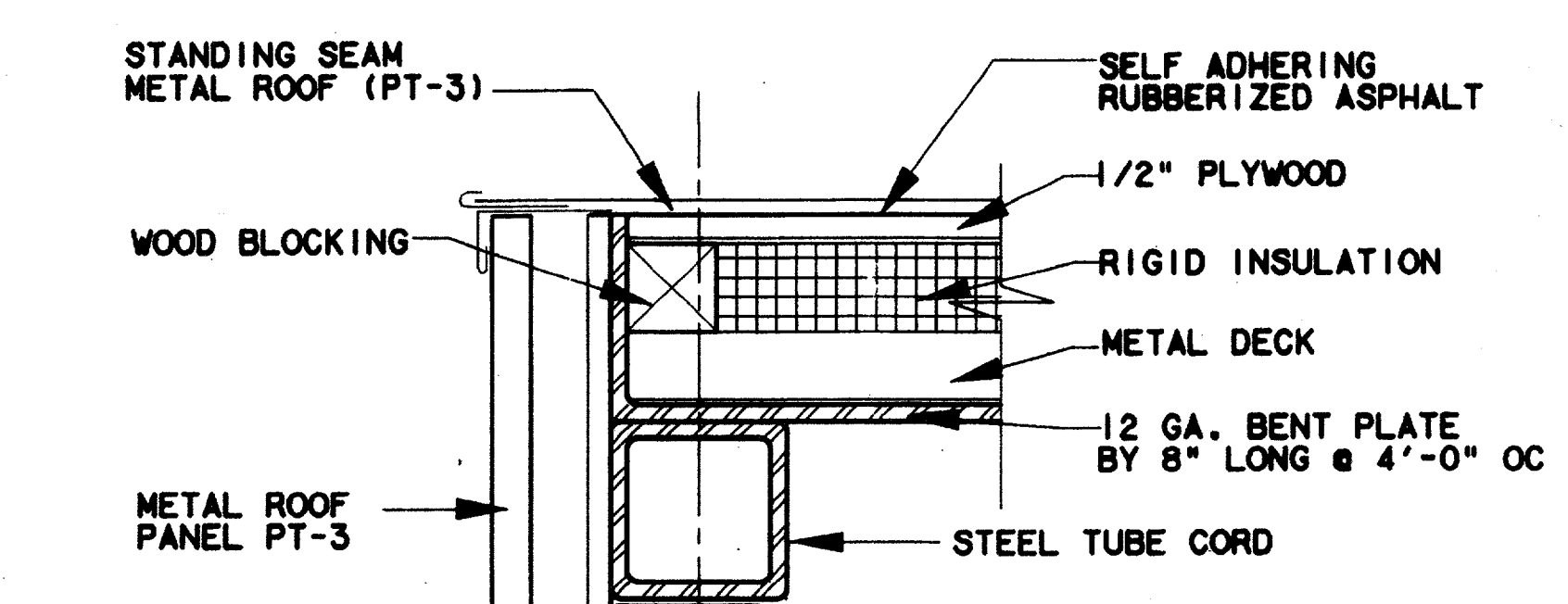
ROOF/FASCIA DETAIL 1
 SCALE: 3"=1'-0" AC2-0009



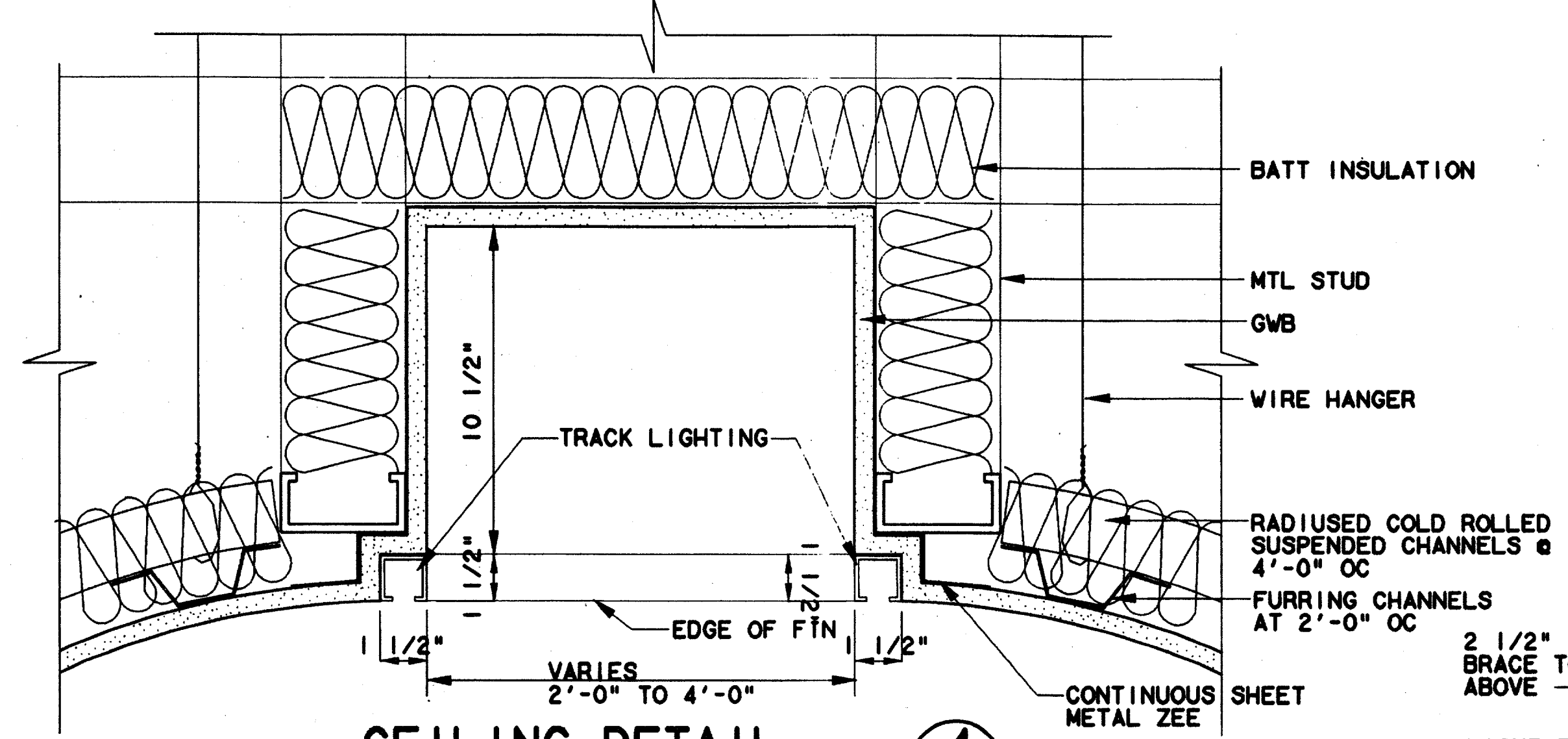
CHANNEL DETAIL 2
 SCALE: 3"=1'-0" AC2-0009



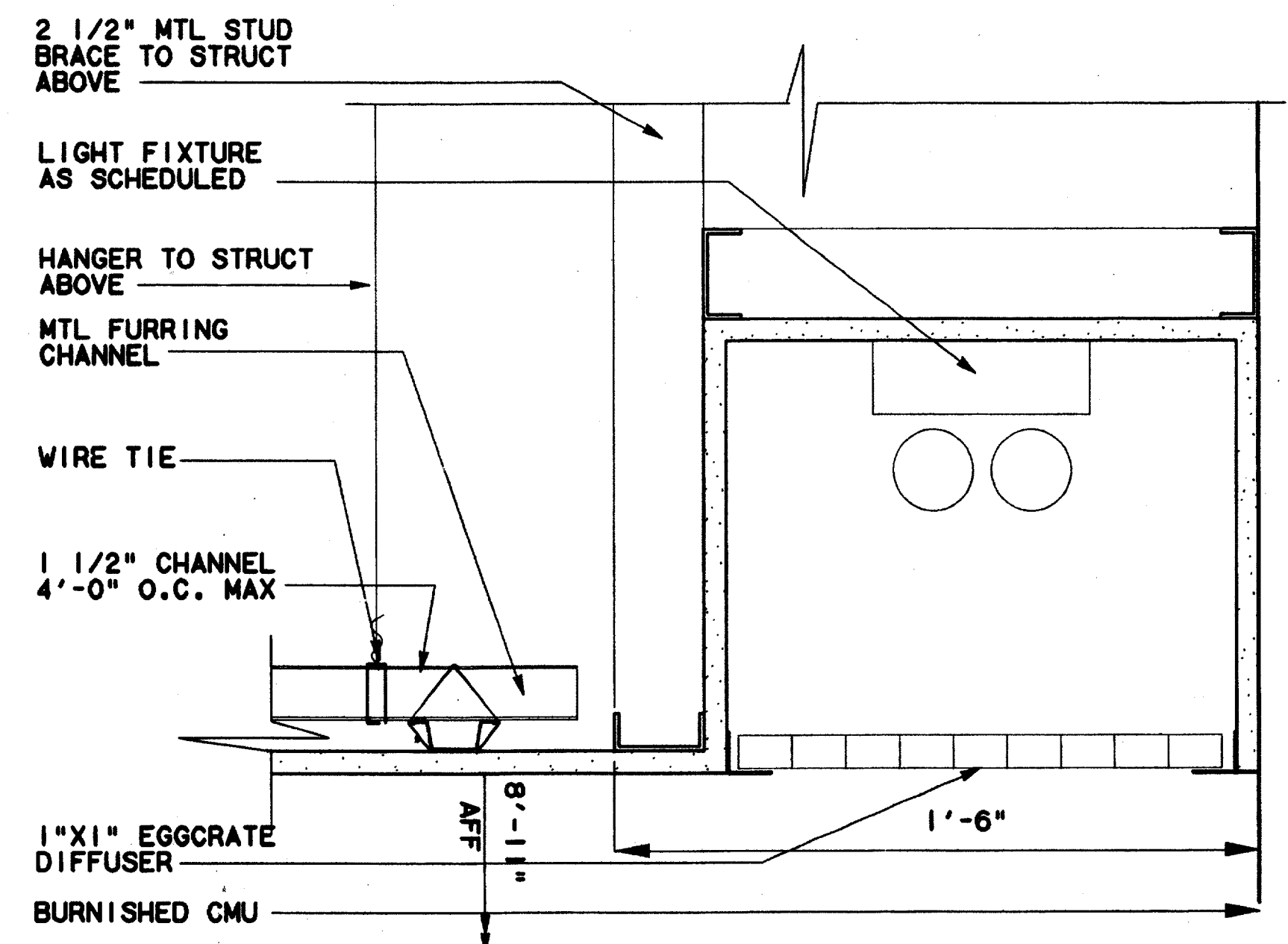
CHANNEL DETAIL 3
 SCALE: 3"=1'-0" AC2-0009



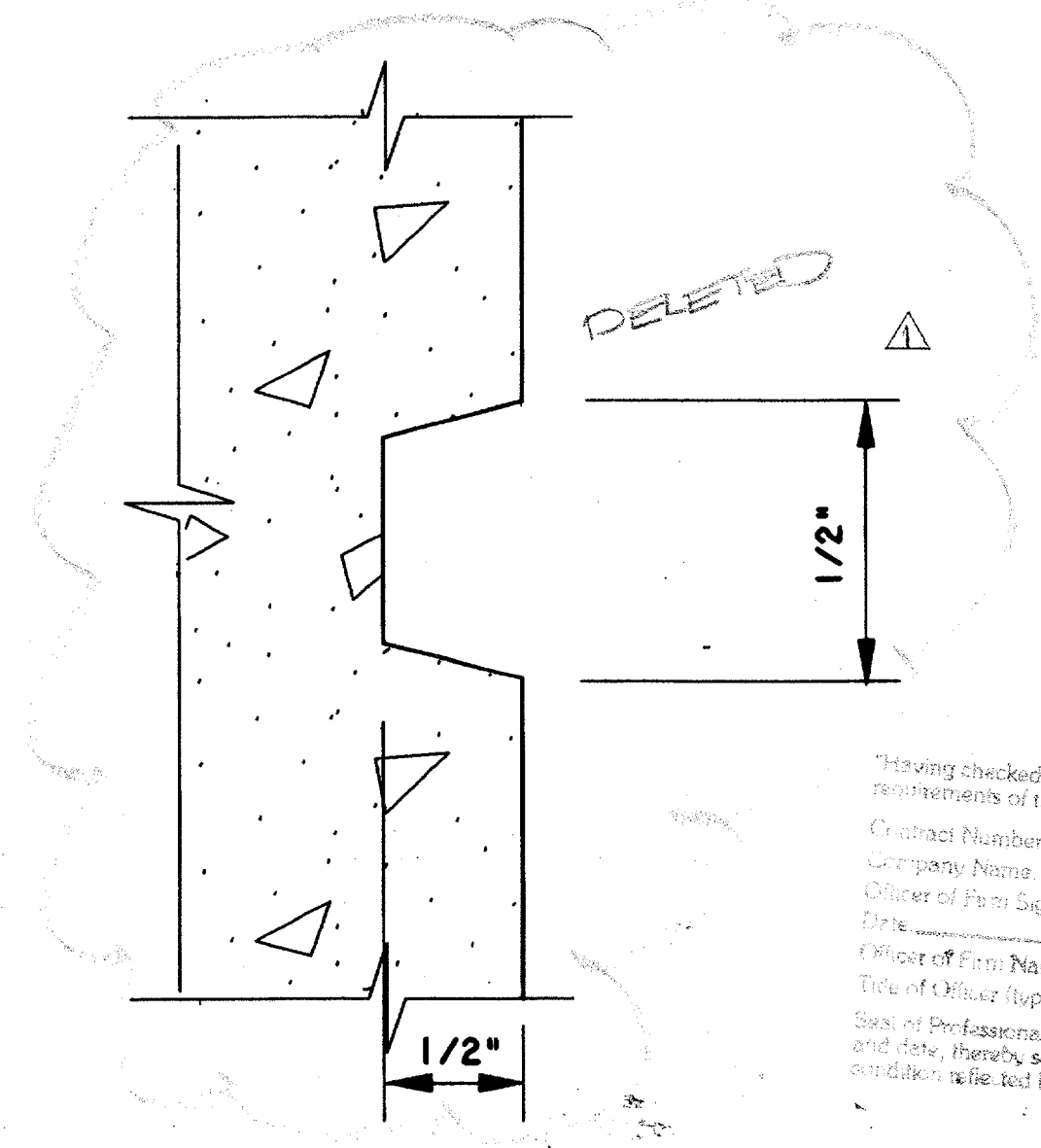
ROOF/FASCIA DETAIL 5
 SCALE: 3"=1'-0" AC2-0009



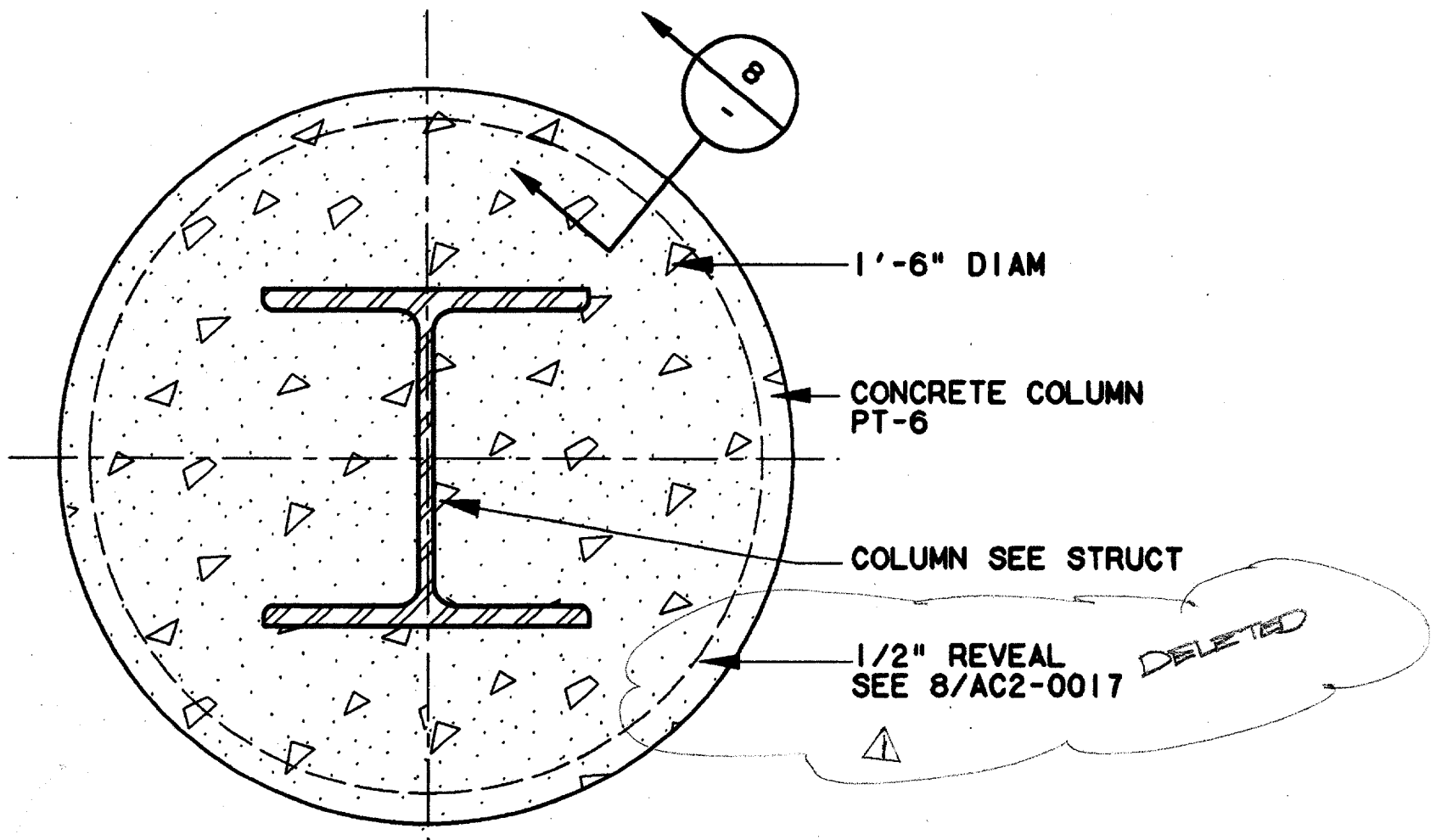
CEILING DETAIL 4
 SCALE: 3"=1'-0" AC2-0009 & AC2-0014



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



REVEAL DETAIL 8
 NOT TO SCALE



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

Record (As-Built) Location
 Having checked this submission, we certify that it is in accordance with the requirements of the contract in all respects.
 Contract Number: 97000136
 Company Name: T&E DALCO
 Title of Firm Signature: [Signature]
 Title of Firm Name (Typed): TOM KADER, PRESIDENT
 Seal of Professional Engineer of Construction Contractor, including signature and date, thereby sealing record (as-built) drawings for accuracy of as-built condition. If the best benefit, must be placed on cover.

CONFORMED

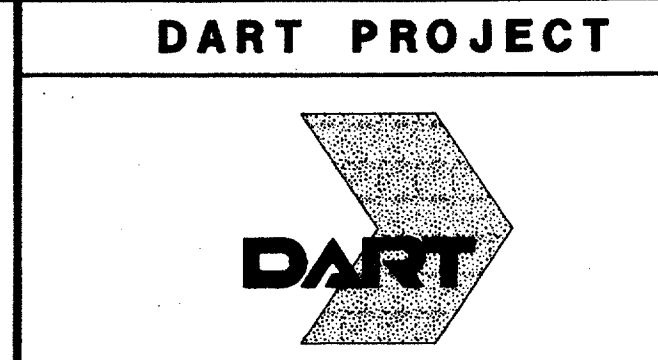
CONTRACT SHEET No. 69 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
1	8/14/97	Record As-Built Submission	RDW	JLM									



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 300
 DALLAS, TEXAS 75207
 (214) 761-7777



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

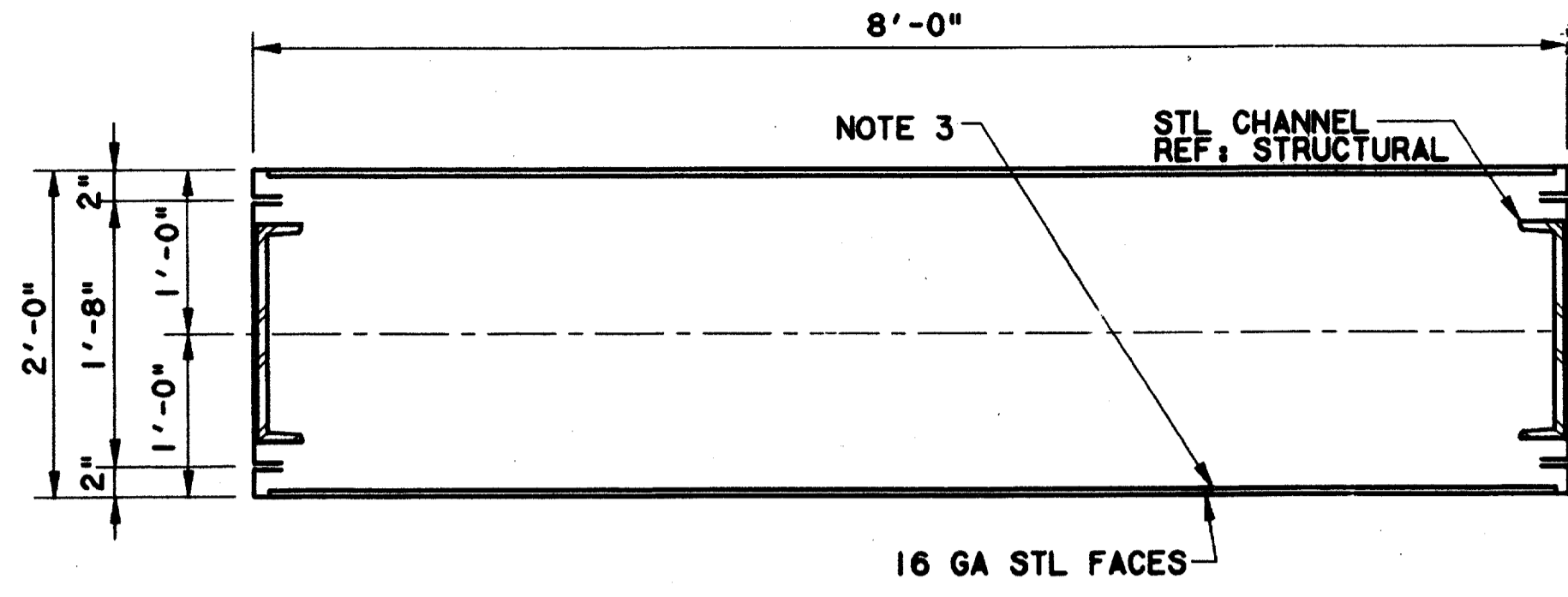
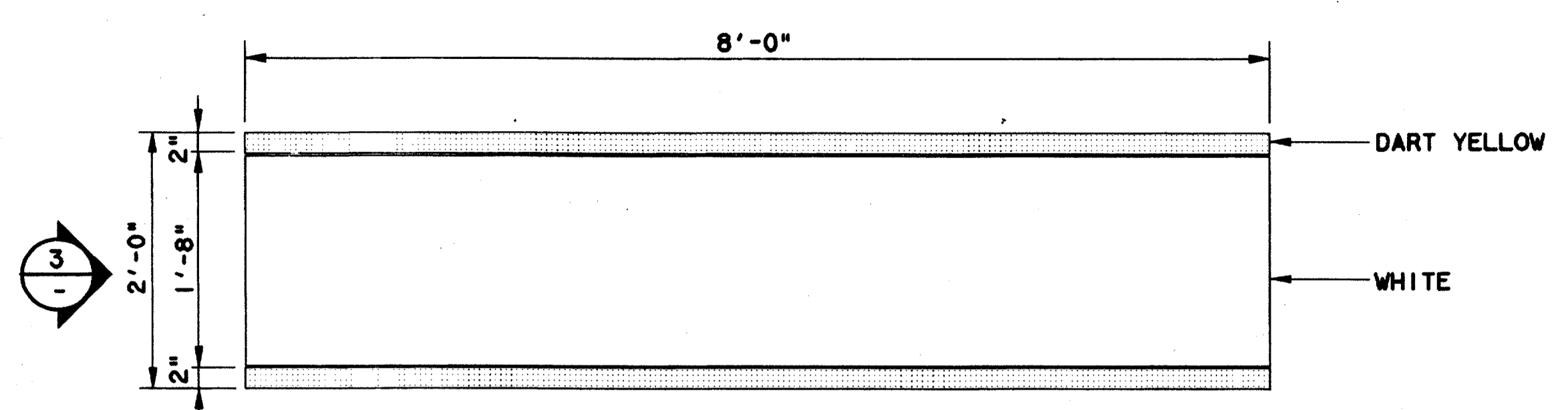
CONTRACT C-97000136 DWG No. AC2-0017 REV 01

ADDISON TRANSIT CENTER ENCLOSURE DETAILS

PRF ROTATION=90.000000 AUG 13 11:20:48 1997
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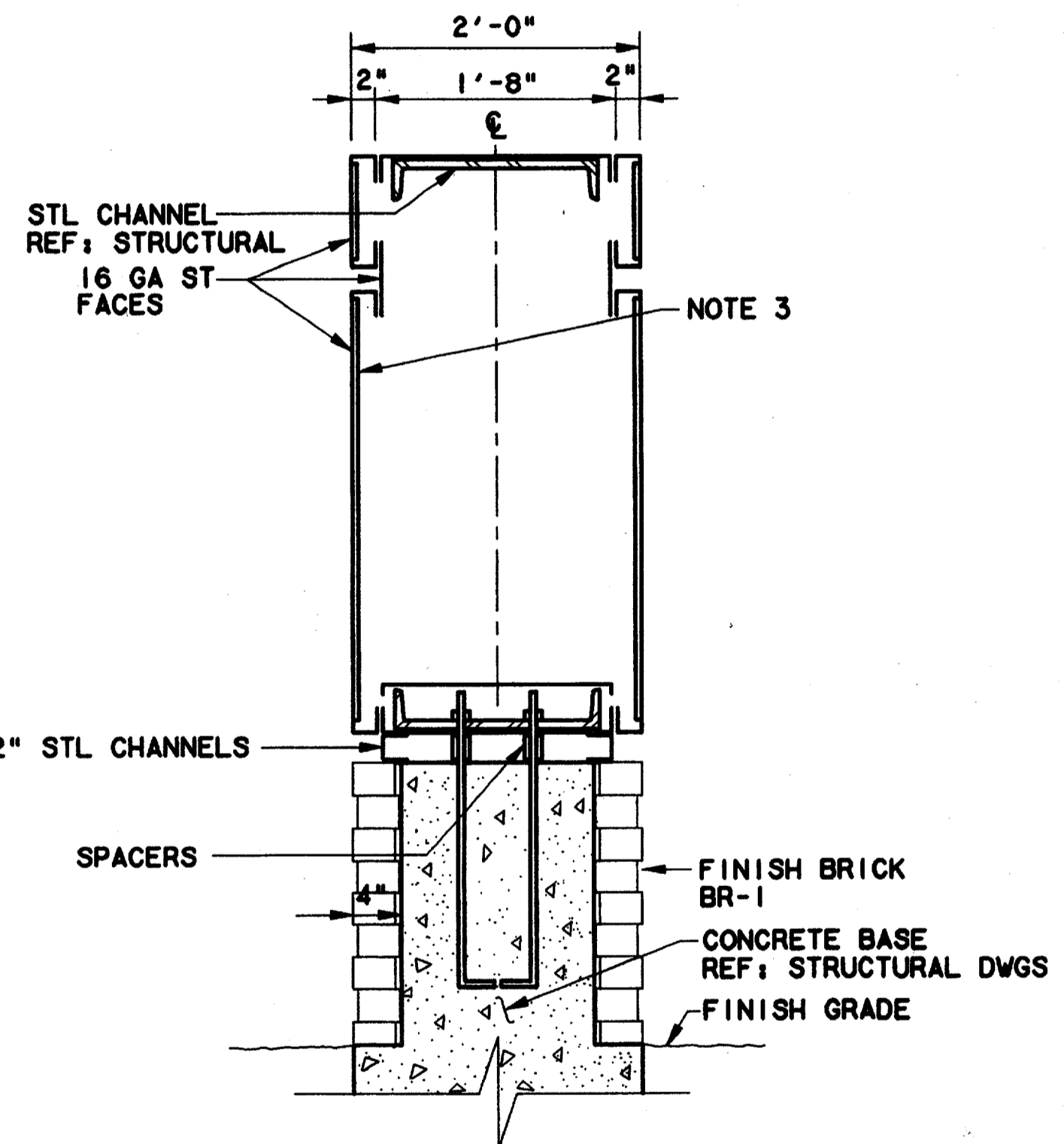
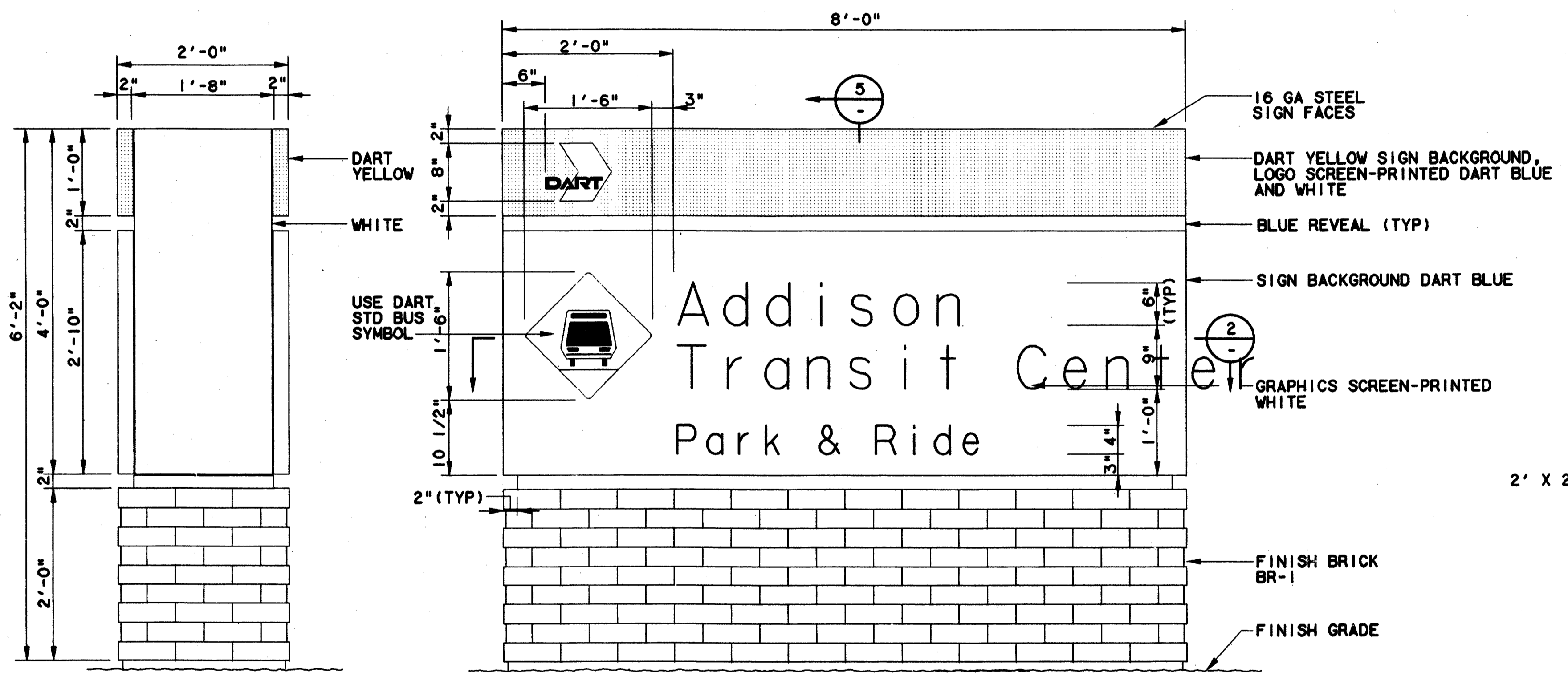
PRF ROTATION=90.000000 AUG 13 11:20:48 1997
 Q:\BYERS\TABLES\lgd\lgd.dwg \$USER\$



PLAN
 SCALE: 1"=1'-0"

PLAN SECTION 2
 SCALE: 1"=1'-0"

- GENERAL NOTES**
1. REFER TO DART SIGN STANDARDS MANUAL FOR CORRECT FONTS, SYMBOLS, STATION NAMES AND REPRODUCTION ART.
 2. NOT USED
 3. PROVIDE 1/2" EXTERIOR GYP BOARD AND 22 GAUGE SHEET METAL BACKUP AS PER SPECIFICATIONS.
 4. SIGN IS DOUBLE FACE CONFIGURATION UNLESS OTHERWISE NOTED ON SITE-SPECIFIC SIGN



SIDE ELEVATION 3
 SCALE: 1"=1'-0"

FRONT ELEVATION 4
 SCALE: 1"=1'-0"

SECTION 5
 SCALE: 1"=1'-0"

Notarized (As-built) Certification
 Having checked this submission, we certify that it conforms to the requirements of the contract and all applicable codes and regulations as indicated.
 Contract Number: 97000136
 Drawing Number: 1000-60V
 Date: 8/14/97
 Title of Officer (typed): TOM KADEP
 PRESIDENT
 Seal of Professional Engineer of Construction Contractor, including signature and date, thereby sealing record (as-built) drawings for accuracy of as-built conditions reflected herein, must be placed below.

8-14-97

CONFORMED

CONTRACT SHEET No. 70 OF 95

**ADDISON
 TRANSIT CENTER
 SITE SIGNAGE
 & GRAPHICS**

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



LAN
 Lockwood, Andrews
 & Newnam, Inc.
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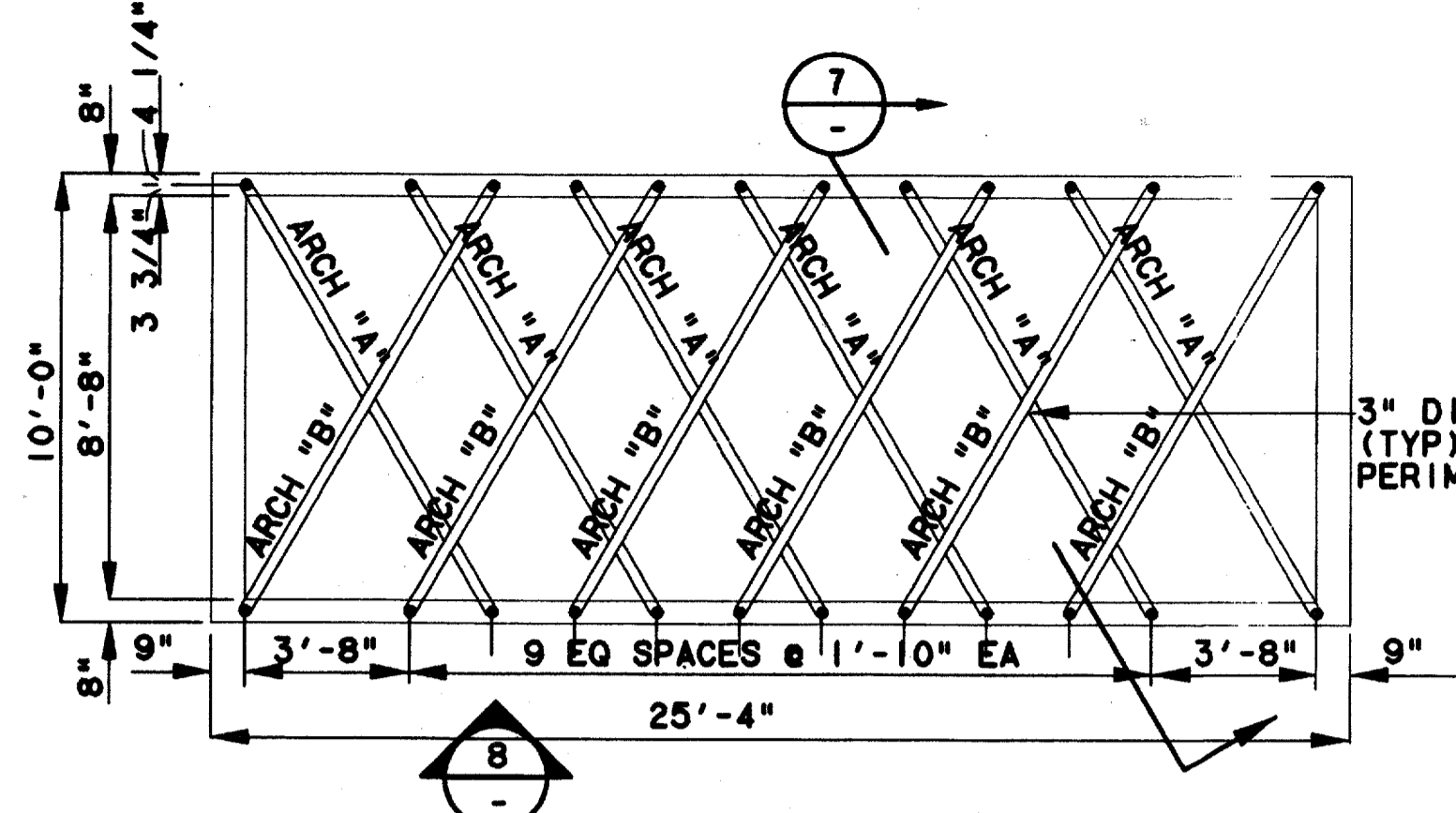
WLA
 WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 105 MARKET CENTER BLVD - SUITE 250
 DALLAS, TEXAS 75207
 (214) 746-7777

DART PROJECT

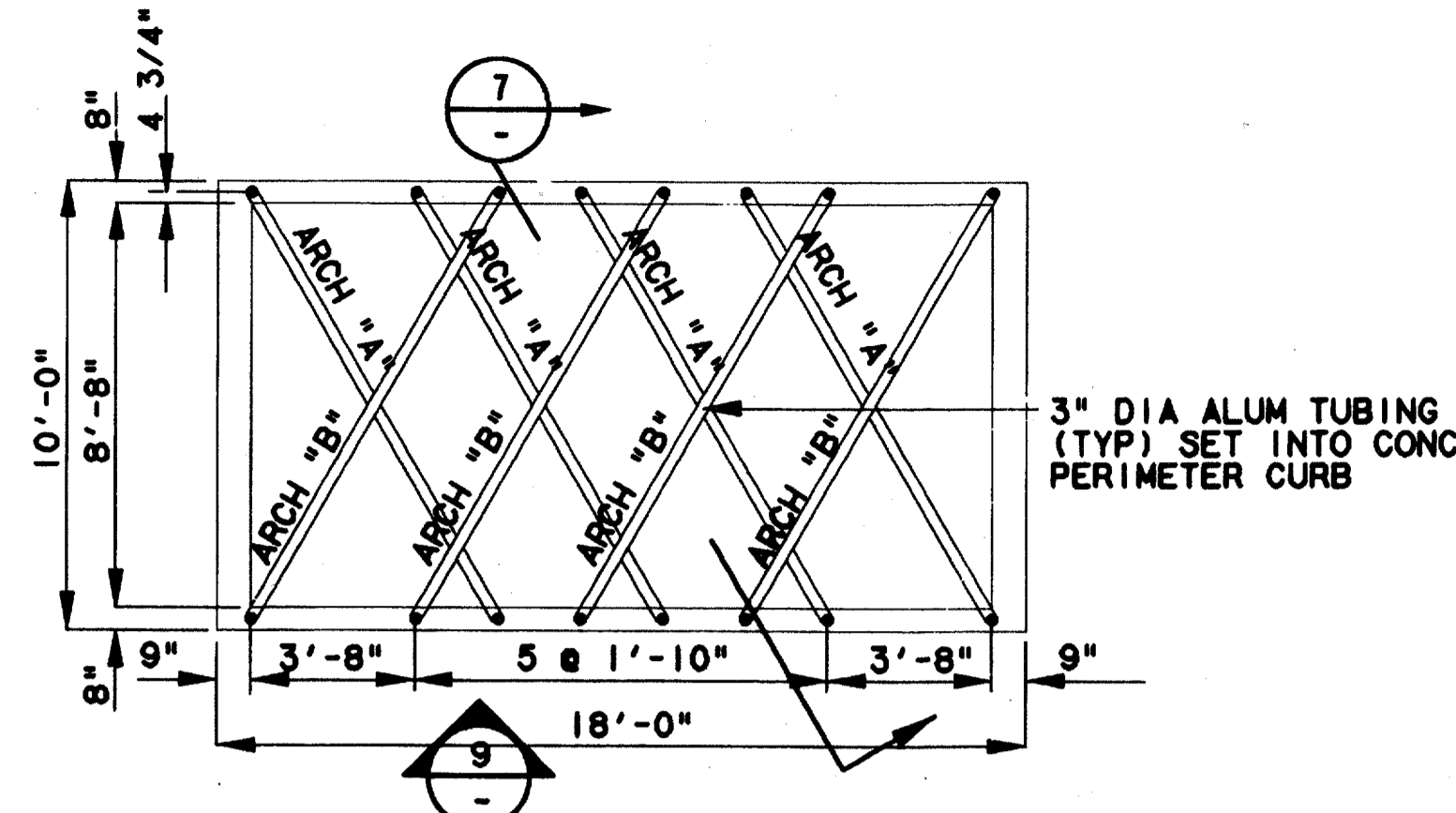
SCALE	1"=1'-0"
DRAWN	K. DEAN
DESIGNED	N. INFANZON/K. DEAN
CHECKED	N. INFANZON/ROB BOLTON
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

\$\$\$DGN SPECIFICATION\$\$\$\$\$\$
 \$\$\$SYTIME\$\$\$\$\$\$
 \$\$\$PRF\$\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$\$
 \$\$\$PRF ROT\$\$\$\$\$\$
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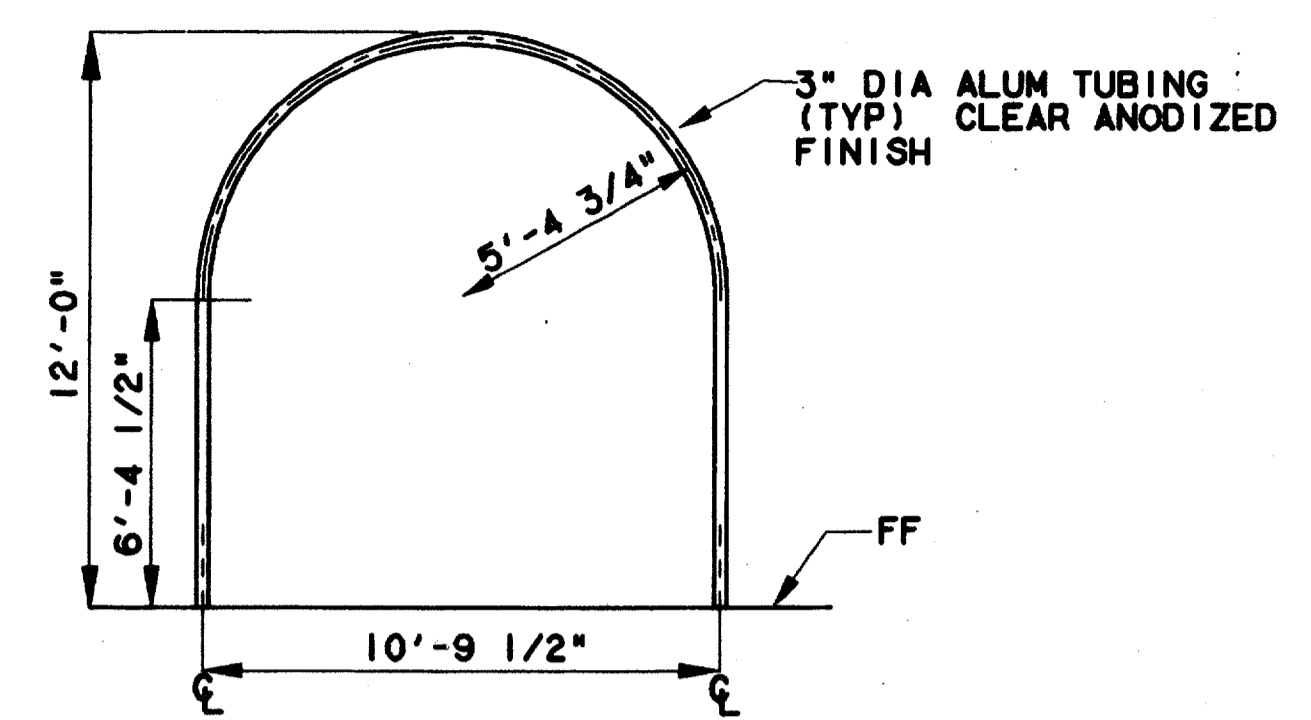
2000-63V
ON GMD



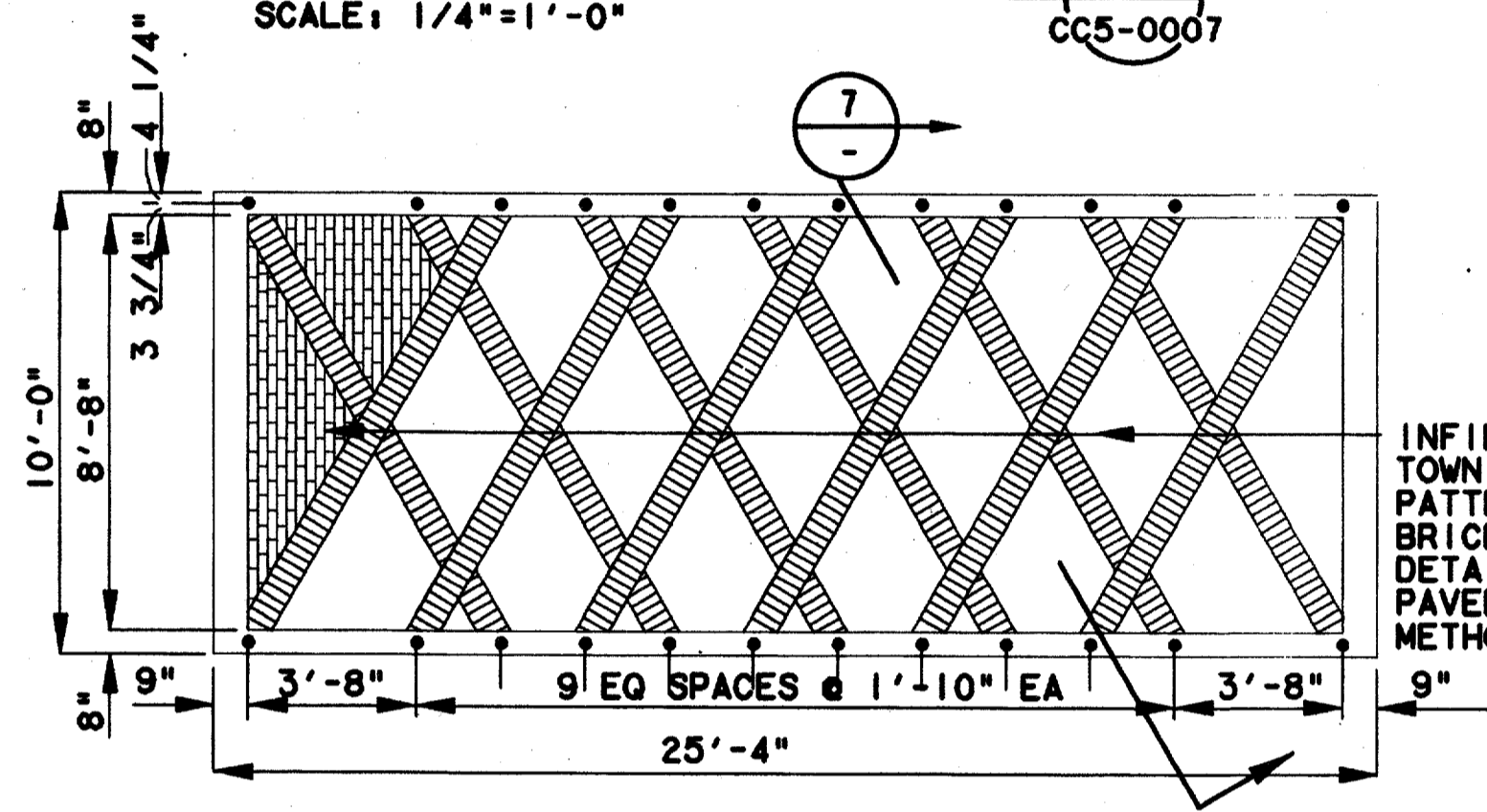
LARGE ARBOR PLAN
SCALE: 1/4"=1'-0"
CC5-0007



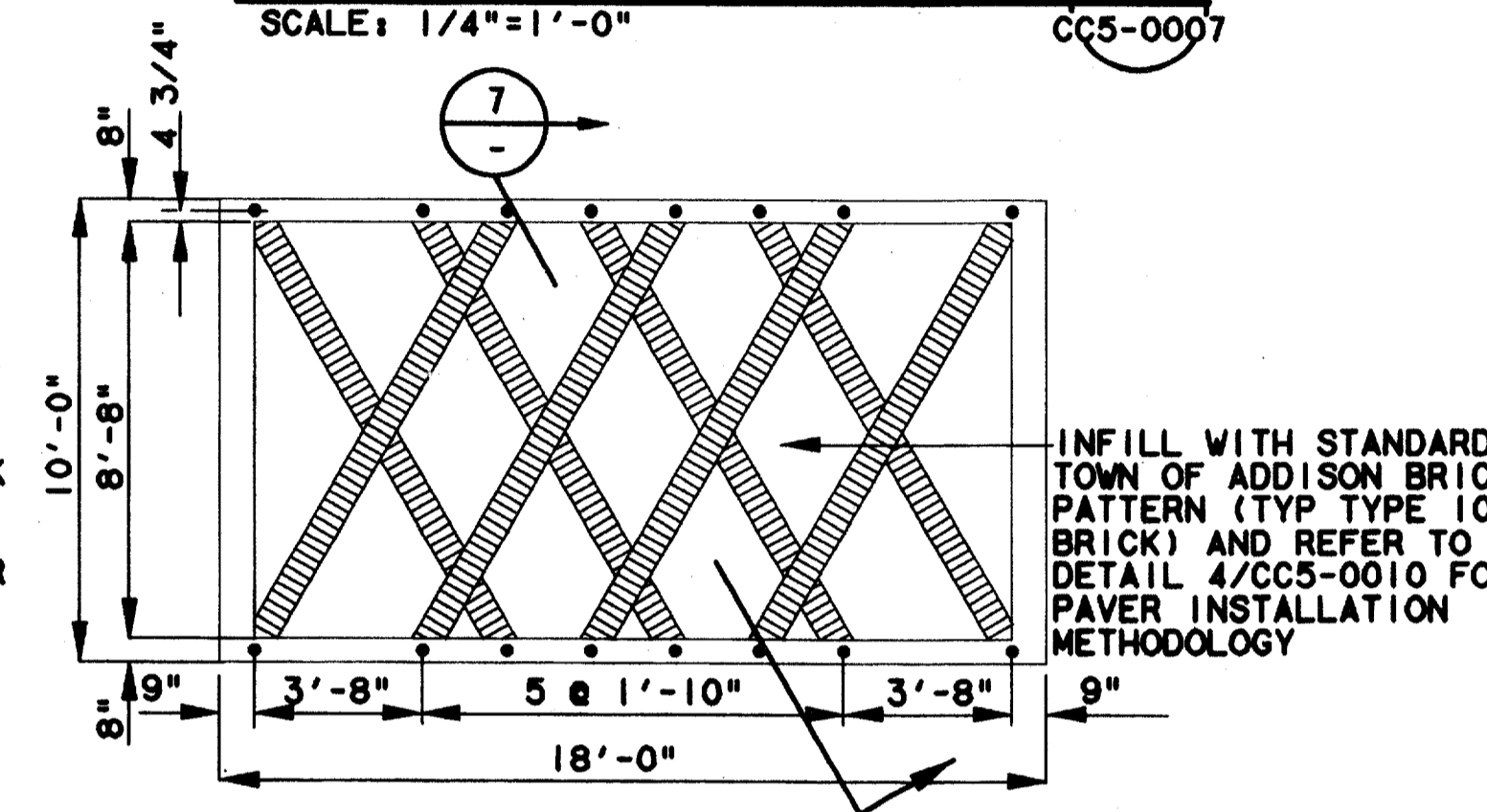
SMALL ARBOR PLAN
SCALE: 1/4"=1'-0"
CC5-0007



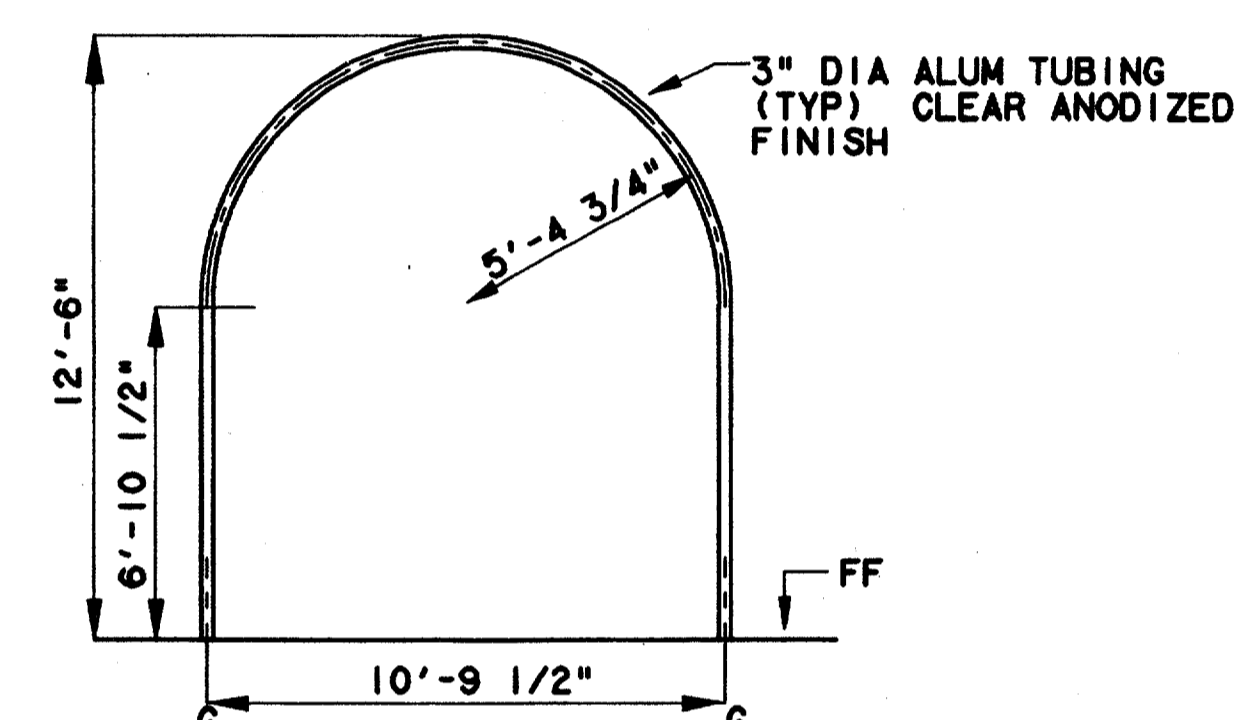
ARCH "A" ELEVATION
SCALE: 1/4"=1'-0"



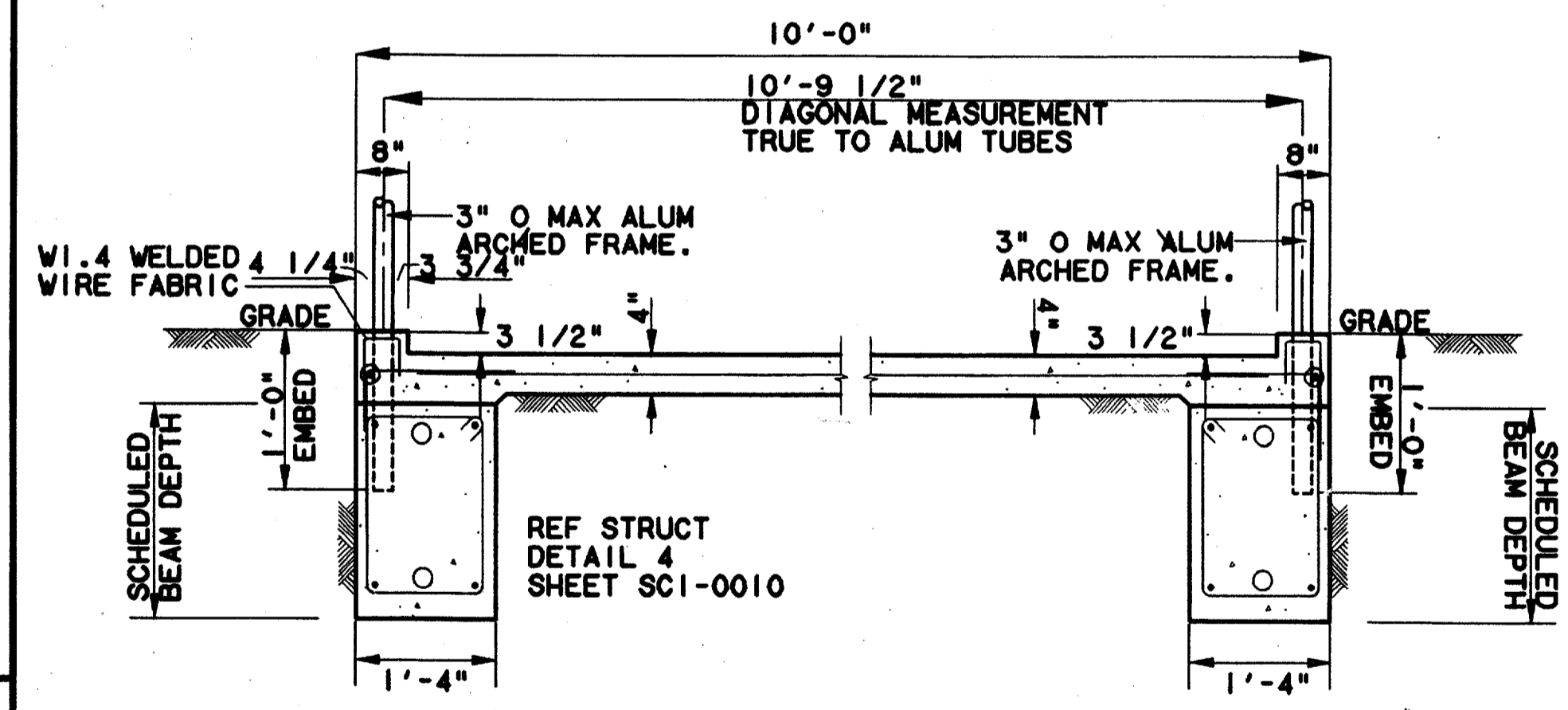
LARGE PAVING PLAN
SCALE: 1/4"=1'-0"



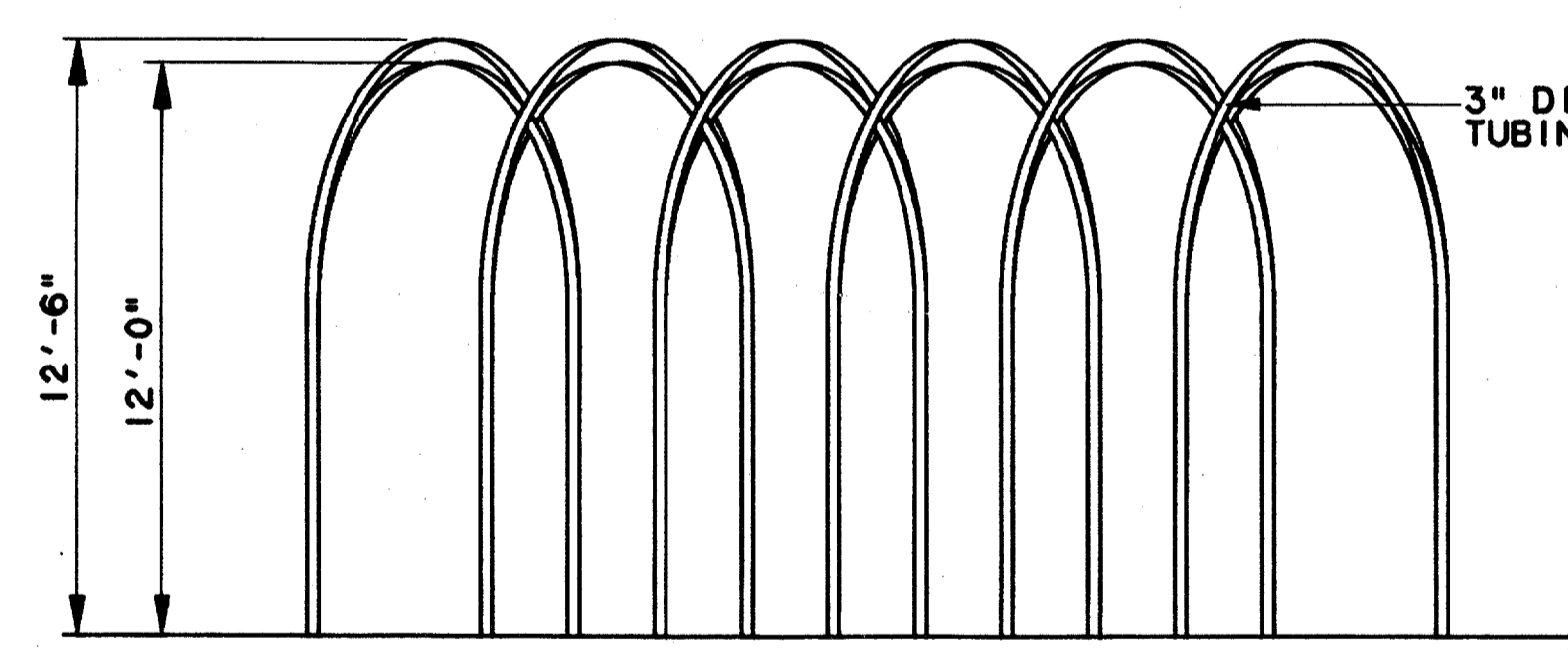
SMALL PAVING PLAN
SCALE: 1/4"=1'-0"



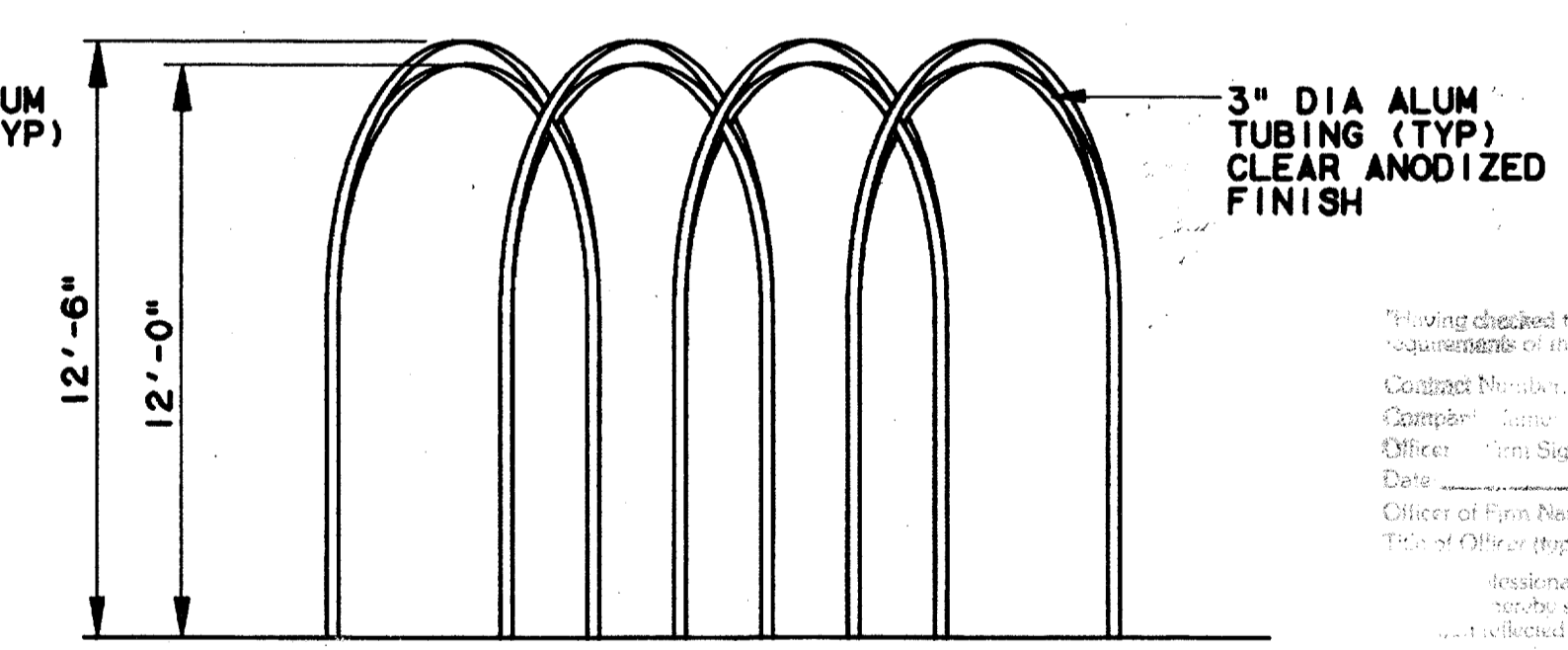
ARCH "B" ELEVATION
SCALE: 1/4"=1'-0"



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



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



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

Record (As-Built) Certification
 Following checked this drawing for compliance with the requirements of the state of Texas.
 Contract Number: 97000136
 Completed Date: 8/14/97
 Officer: Tom Kader
 Date: 8/14/97
 Officer of Firm Name (Typed): TOM KADER
 Title of Officer (Typed): PRESIDENT
 I, the undersigned, being a duly Licensed Professional Engineer in the State of Texas, do hereby certify that I am the author of the above drawings and that the same are true and correct to the best of my knowledge and belief.

8-14-97

CONFORMED

CONTRACT SHEET No. 71 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
 1825 MARKET CENTER BLVD - SUITE 510
 DALLAS, TEXAS 75207
 (972) 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

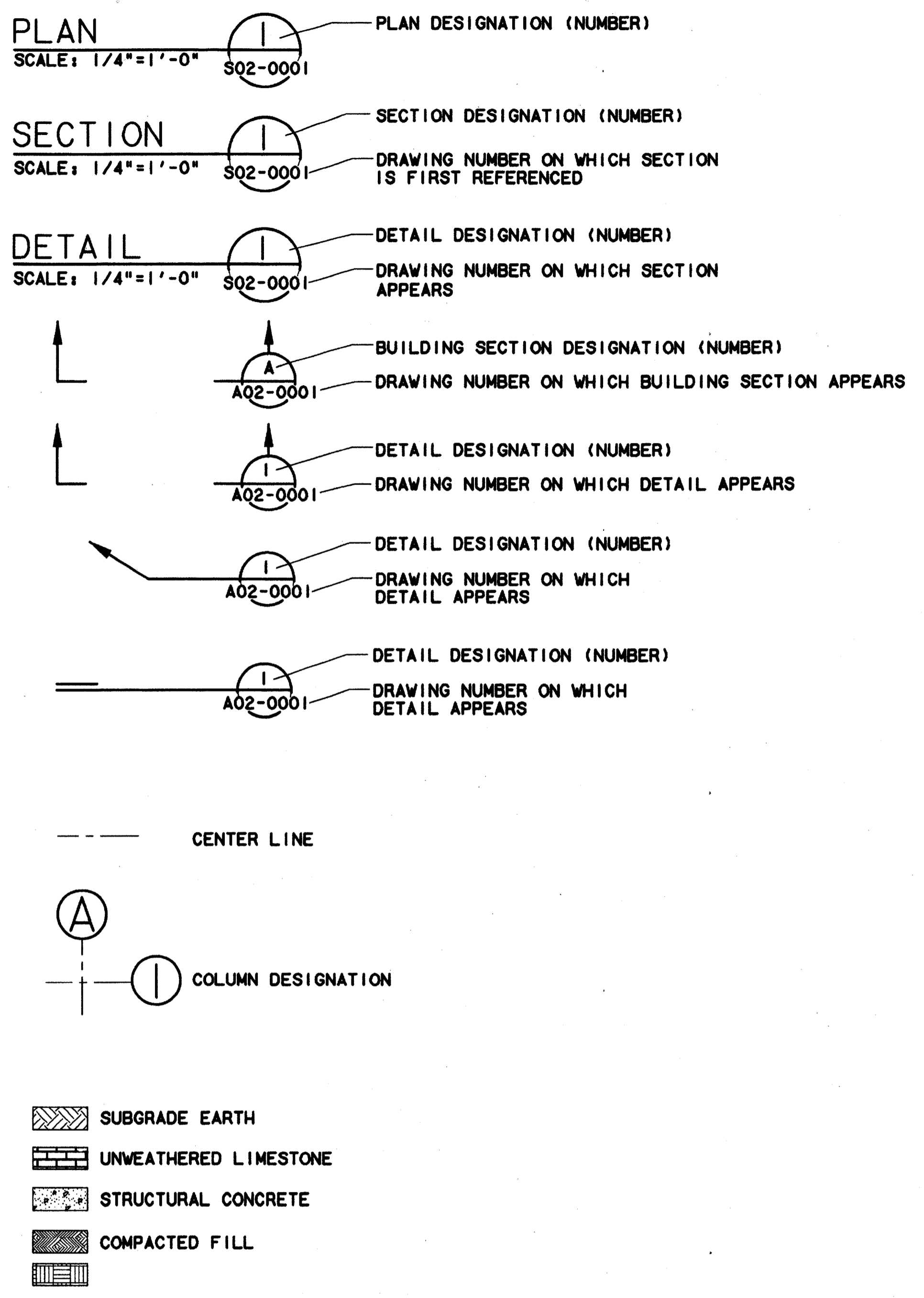
ADDISON TRANSIT CENTER
ARBOR PLANS & ELEVATIONS
 CONTRACT C-97000136
 DWG No. AC9-0002
 REV 0

\$\$\$DDGNSPECIFICATION\$
 \$\$\$SYTIME\$
 \$\$\$PRF\$\$\$
 \$\$\$USERNAME\$\$\$
 \$\$\$PRF ROT\$\$\$
 \$\$\$PEN\$\$\$
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 \$\$\$ILE1\$\$\$
 \$\$\$ILE2\$\$\$
 \$\$\$ILE3\$\$\$
 \$\$\$ILE4\$\$\$
 \$\$\$ILE5\$\$\$

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 COEFFICIENT	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
CSMH	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	V	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
 Having checked this submittal, we certify that it complies with the requirements of the contract documents and the applicable codes.
 Contract Number: 97000136
 Company Name: WEA
 Date: 7-7-99
 Signature: Tom Kader, President

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
 125 MARKET CENTER BLVD - SUITE 210
 DALLAS, TEXAS 75207
 (214) 746-7777

DART PROJECT

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

STRUCTURAL GENERAL NOTES:

- 1. DESIGN LOADS
 - ROOF LIVE LOAD 20 PSF
 - FLOOR LIVE LOAD 150 PSF
- WIND LOAD AND SEISMIC LOAD PER ANSI/ASCE 7-95
- 2. PRINCIPAL OPENINGS THROUGH THE FRAMING ARE SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR REQUIRED OPENINGS TO BE PROVIDED, WHETHER SHOWN ON THESE DRAWINGS OR NOT. VERIFY SIZE AND LOCATION OF ALL OPENINGS WITH MECHANICAL CONTRACTOR. NOMINAL PIPE SLEEVES THROUGH THE ROOF DECK WILL NOT REQUIRE FRAMING UNLESS THE OPENING EXCEEDS 12 INCHES IN DIAMETER.
- 3. STRUCTURAL MEMBERS HAVE BEEN SPACED TO ACCOMMODATE THE MECHANICAL EQUIPMENT SPECIFIED. ANY SUBSTITUTIONS CAUSING CHANGES IN THE STRUCTURE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE.
- 4. SEE ARCHITECTURAL DRAWINGS FOR FLOOR ELEVATIONS, SLOPES, LOCATION OF DEPRESSED FLOOR AREAS, FLOOR FINISHES, WALKS, CURBS, TOPPING SLABS, ETC. ALL SLAB RECESSES SHALL BE PROVIDED BY THE CONTRACTOR WHETHER SHOWN ON THE STRUCTURAL DRAWINGS OR NOT.

FOUNDATION NOTES

- 1. EXCAVATION FOR FOOTINGS SHALL BE NEAT. PLACE CONCRETE IMMEDIATELY AFTER EXCAVATION AND INSPECTION. WATER ACCUMULATION IN FOOTING EXCEEDING 1 INCH SHALL BE PUMPED OUT.
- 2. GRADE BEAMS SHALL BE POURED ON 4 INCH DEEP POLYETHYLENE-WAX IMPREGNATED CORRUGATED FIBER CARTON FORMS. PREPARED GRADE AREA SHALL BE COVERED WITH A LAYER OF 6 MIL POLYETHYLENE SHEETING.
- 3. A MINIMUM OF 3 FEET OF FILL SHALL BE PLACED UNDER BUILDING SLAB AND SHALL BE NON-EXPANSIVE WITH A MAXIMUM PLASTICITY INDEX OF 4 TO 14 AND SHALL BE COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY.
- 4. A 4 INCH SAND LAYER MAY BE PLACED UNDER ALL SLABS ON GRADE FOR LEVELING PURPOSES.

CONCRETE NOTES

- 1. CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318.
- 2. ALL CONCRETE FOR GRADE BEAMS AND SLABS SHALL BE MIXTYPE B1, NORMAL WEIGHT CONCRETE AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 POUNDS PER SQUARE INCH AT 28 DAYS.
- 3. NORMAL WEIGHT CONCRETE SHALL WEIGH NOT MORE THAN 150 PCF.
- 4. DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS SHALL COMPLY WITH ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI 315).
- 5. DEFORMED STEEL REINFORCING BARS SHALL CONFORM TO ASTM A 615 WITH SUPPLEMENTARY REQUIREMENTS S1, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185.
- 6. PROVIDE ONE NO. 6 x 4'-0" TOP AND BOTTOM IN EXTERIOR FACE OF GRADE BEAMS AT CORNERS AND INTERSECTIONS.
- 7. PROVIDE ONE NO. 5 x 4'-0" BAR AT ALL RE-ENTRANT CORNERS, PLACED ON THE DIAGONAL WITH 1 INCH CLEARANCE FROM CORNER AND TOP OF SLAB. (THIS INCLUDES ANY RECTILINEAR HOLES MADE DUE TO STANDARD CONSTRUCTION PRACTICES.)
- 8. REINFORCING BARS FOR SLABS ON GRADE SHALL BE SUPPORTED AT 4'-0" MAXIMUM CENTERS EACH WAY BY BAR CHAIRS WITH SHEET METAL BASES. DEPTH OF CHAIRS SHALL PROVIDE FOR 1 INCH TOP COVER.
- 9. GRADE BEAM SIDE WALLS SHALL NOT BE FORMED BY EARTH CUTS.
- 10. NO FLY ASH ADMIXTURES ALLOWED.
- 11. LAP CONTINUOUS UNSCHEDULED REINFORCING BARS 30 BAR DIAMETERS UNLESS NOTED OTHERWISE.

- 12. MINIMUM REINFORCING STEEL COVERAGE SHALL BE AS FOLLOWS:
 - COLUMNS 1-1/2"
 - GRADE BEAMS 1-1/2" TOP & SIDES 3" BOTTOM
 - CONCRETE JOISTS AND WALLS
 - *14 AND *18 BARS 1-1/2"
 - *11 BARS AND SMALLER 3/4"
 - FOOTINGS 3"
 - CONCRETE CAST PERMANENTLY AGAINST EARTH 3"
- 13. SLEEVING OF GRADE BEAMS WHERE HORIZONTAL RUNS OF UNDER SLAB PLUMBING INTERSECT SHALL OCCUR ONLY AT MID-SPAN AND AT MID-HEIGHT OF BEAM.
- 14. THE LOCATION OF CONSTRUCTION JOINTS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. CONSTRUCTION JOINTS SHALL BE MADE IN THE CENTER OF SPANS WITH VERTICAL BULKHEADS UNLESS NOTED OTHERWISE. THERE SHALL BE NO HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE POURS.
- 15. FOOTINGS AND CAPS SHALL BE POURED MONOLITHIC.
- 16. HORIZONTAL WALL REINFORCEMENT SHALL BE CONTINUOUS WITH 90 DEGREE BENDS AND 12 INCH RETURNS ALONG EACH WALL AT CORNERS.
- 17. PROVIDE NO. 4 HORIZONTAL AT 12 INCHES O.C. MAXIMUM IN EACH FACE OF BEAMS EXCEEDING 21 INCHES IN DEPTH.

MASONRY NOTES

- 1. MASONRY CONSTRUCTION SHALL CONFORM TO REFERENCED BUILDING CODE, ACI-531, AND ACI-531R.
- 2. HOLLOW CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90, LIGHT WEIGHT, TYPE N1, WITH A MINIMUM COMPRESSIVE STRENGTH OF 1350 PSI ON THE NET AREA OF THE BLOCK.
- 3. MORTAR SHALL CONFORM TO ASTM A 76, TYPE S, WITH A MINIMUM COMPRESSIVE STRENGTH OF 1800 PSI.
- 4. COARSE GROUT SHALL CONFORM TO ASTM A76 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
- 5. CONCRETE SHALL CONFORM TO ACI 318 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
- 6. ALL CELLS CONTAINING VERTICAL REINFORCING STEEL, LINTEL BEAMS AND BOND BEAMS SHALL BE FILLED SOLID WITH COARSE GROUT OR CONCRETE AS DESCRIBED ABOVE.
- 7. THE FIRST TWO CELLS AT EACH WALL OPENING AND WALL END SHALL BE REINFORCED WITH 2-#6 VERTICAL EACH CELL. REINFORCING SHALL EXTEND FROM FOUNDATION TO TOP OF WALL.
- 8. REINFORCING STEEL SHALL BE LAPPED 30 BAR DIAMETERS MINIMUM WHERE SPLICED AND SHALL BE TIED TOGETHER.
- 9. WIRE REINFORCEMENT, "DUR-O-WALL" OR EQUAL SHALL BE LAPPED AT LEAST 6 INCHES AT SPLICES AND SHALL CONTAIN AT LEAST ONE CROSS WIRE OF EACH PIECE OF REINFORCEMENT IN THE LAPPED DISTANCE.
- 10. VERTICAL BARS SHALL BE HELD IN POSITION AT TOP AND BOTTOM AND AT INTERVALS NOT EXCEEDING 8'-0" WITH A MINIMUM CLEARANCE OF 1/4 INCH FROM THE MASONRY. BARS SHALL BE PLACED AS SHOWN AND NOTED ON THE DETAILS.
- 11. VERTICAL REINFORCING BARS MAY BE SPLICED IN 6' TO 8' LENGTHS, PROVIDED THE SPLICES IN ADJACENT BARS ARE STAGGERED AND ARRANGED SO THAT NOT MORE THAN 1/3 OF THE TOTAL NUMBER OF BARS ARE SPLICED AT ANY LOCATION AND NOT MORE THAN 1/2 OF THE TOTAL NUMBER OF BARS ARE SPLICED AT THE MID-HEIGHT OF THE WALL. ALL BARS SHALL BE TIED AT SPLICES.
- 12. WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL CORE, IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL TO SIX VERTICAL. REMOVE CELL DIVIDER WHEN REQUIRED.
- 13. STANDARD WEIGHT 9 GAGE TRUSS TYPE "DUR-O-WALL", OR EQUAL SHALL BE PLACED HORIZONTALLY AT 16" O.C. IN ALL WALLS.
- 14. HORIZONTAL REINFORCING BARS SHALL BE PLACED IN CONTINUOUS MASONRY COURSES, CONSISTING OF BOND-BEAM OR LINTEL BLOCK UNITS, AND SHALL BE SOLIDLY GROUTED IN PLACE. AT LINTEL BEAMS, BARS SHALL EXTEND NOT LESS THAN 20 BAR DIAMETERS OR 16 INCHES (WHICHEVER IS GREATER) PAST THE OPENING FACE.
- 15. LINTEL BEAMS SHALL BE CONTINUOUS AT CONTROL AND EXPANSION JOINTS. PROVIDE DUMMY JOINT WHEN REQUIRED. UNLESS NOTED OTHERWISE, BOND BEAMS SHALL BE DISCONTINUOUS AT CONTROL AND EXPANSION JOINTS. BOND BEAMS SHALL BE CONTINUOUS AT TOP COURSE AND AROUND ALL OPENINGS, AND SHALL BE REINFORCED WITH 2-#5 BARS, UNLESS NOTED OTHERWISE.

- 16. REFER TO ARCHITECT'S DRAWINGS FOR CONTROL AND EXPANSION JOINT LOCATIONS.
- 17. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, LOCATIONS, REVEALS, EXTERIOR FINISH, AND NON STRUCTURAL EMBEDDED ITEMS.

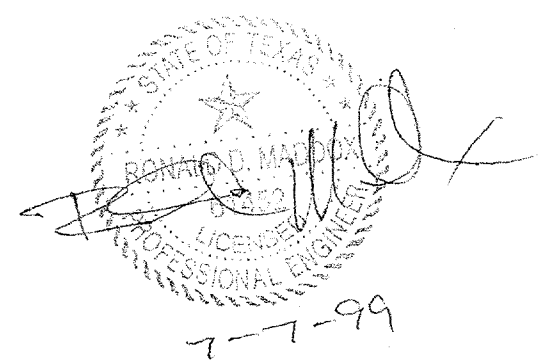
STRUCTURAL STEEL NOTES

- 1. STRUCTURAL STEEL SHALL CONFORM TO ASTM A 36.
- 2. STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM A 501.
- 3. DETAIL, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL COMPLY WITH THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", AISC "CODE OF STANDARD OF STANDARD PRACTICE", AND ALL UPDATING PUBLICATIONS.
- 4. UNLESS SHOWN OTHERWISE ON THE DRAWINGS, CONNECTIONS SHALL BE SHOP WELDED AND FIELD BOLTED. BOLTS SHALL BE 3/4" DIA. OR LARGER AND CONFORM TO ASTM A325. FIELD CONNECTIONS SHALL BE BOLTED UNLESS SHOWN OTHERWISE ON THE DRAWINGS. WEB CONNECTIONS WITH BOLTS IN SINGLE SHEAR SHALL BE DETAILED WITH TWO VERTICAL ROWS OF BOLTS MINIMUM.
- 5. WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY SPECIFICATION. ELECTRODES SHALL CONFORM TO AWS A5.5, E70XX.
- 6. ALL MISCELLANEOUS WELDS (FIELD OR SHOP) SHALL BE MINIMUM SIZE FILLET ALL AROUND IN ACCORDANCE WITH AISC. WELDING OF CONTINUOUS MEMBERS SHALL BE A MINIMUM OF 2 INCHES OF 3/16-INCH FILLET STITCH WELDS AT 12 INCHES O.C., STAGGERED EACH SIDE, UNLESS OTHERWISE NOTED. COLUMN BASE PLATES, CAP PLATES AND STIFFENER PLATES SHALL BE WELDED ALL AROUND.
- 7. SPLICING OF STRUCTURAL STEEL MEMBERS IS PROHIBITED WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER AS TO LOCATION AND TYPE OF SPLICE. ANY MEMBER HAVING A SPLICE NOT SHOWN AND DETAILED ON THE SHOP DRAWINGS WILL BE REJECTED.
- 8. ANCHOR BOLTS SHALL COMPLY WITH ASTM A 307 AND SHALL BE SET USING RIGID TEMPLATES.
- 9. BURNING OF HOLES IN STRUCTURAL STEEL AND METAL DECKING IS PROHIBITED. ANY MEMBER WITH BURNED HOLES SHALL BE REPLACED.
- 10. STRUCTURAL STEEL SHALL BE PUNCHED FOR WOOD BLOCKING AND NAILERS. SEE ARCHITECT'S DRAWINGS.
- 11. PREGROUTING OF BASE PLATES WILL NOT BE PERMITTED.
- 12. EXPOSED FASCIA CONNECTIONS ARE TO BE WELDED AND ABRASIONS GROUND SMOOTH. ERECTION MATERIAL USED IN FIELD CONNECTIONS SHALL BE REMOVED, HOLES FILLED, AND ABRASIONS GROUND SMOOTH.
- 13. SEE PROJECT SPECIFICATIONS FOR PAINTING AND GALVANIZING.
- 14. JOIST BRIDGING SHALL BE HORIZONTAL RODS OR ANGLES IN ACCORDANCE WITH PARAGRAPHS 5.4 (A) AND (C) AND 5.5 OF THE STEEL JOIST INSTITUTE SPECIFICATIONS UNLESS OTHERWISE NOTED ON THE DRAWINGS. BRIDGING SHALL BE THROUGH STRUCTURAL STEEL JOIST AND ANCHORED TO SPANDREL MEMBERS.
- 15. NON-STANDARD JOIST SEATS ARE INDICATED ON THE FRAMING PLANS. THE CONTRACTOR SHALL EXAMINE THE CONTRACT DOCUMENTS FOR CONDITIONS REQUIRING NON-STANDARD SEATS WHETHER SHOWN ON THE FRAMING PLANS OR NOT.

METAL ROOF DECK NOTES

- 1. ROOF DECK THICKNESS AND GAGE SHALL BE AS NOTED ON PLAN. DECK MATERIAL SHALL COMPLY WITH SPECIFICATIONS.
- 2. UNLESS NOTED OTHERWISE ON DRAWINGS, WELD DECK TO SUPPORTS AT 12 INCHES O.C. AND SCREW SIDE LAPS AT 18 INCHES O.C.
- 3. INSTALL DECK CONTINUOUS OVER THREE OR MORE SPANS.
- 4. PATCH ALL BURN-THROUGH HOLES.

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]
 Office of Firm Signature: [Signature]
 Title of Officer (Typed): JIM KADER
 Title of Officer (Typed): PRESIDENT
 Seal of Professional Engineer of Construction Certification, including signature and date, thereby making record (as-built) drawings for construction of as-built conditions reflected herein, must be placed below.



CONFORMED

CONTRACT SHEET No. 73 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

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 WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 805 MARKET CENTER BLVD - SUITE 50
 DALLAS, TEXAS 75207
 (214) 741-7771

DART PROJECT

SCALE	NO SCALE
DRAWN	D. QUINTANA
DESIGNED	K. BURKHOLDER
CHECKED	K. BURKHOLDER
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

CAES

ADDISON TRANSIT CENTER
STRUCTURAL GENERAL NOTES

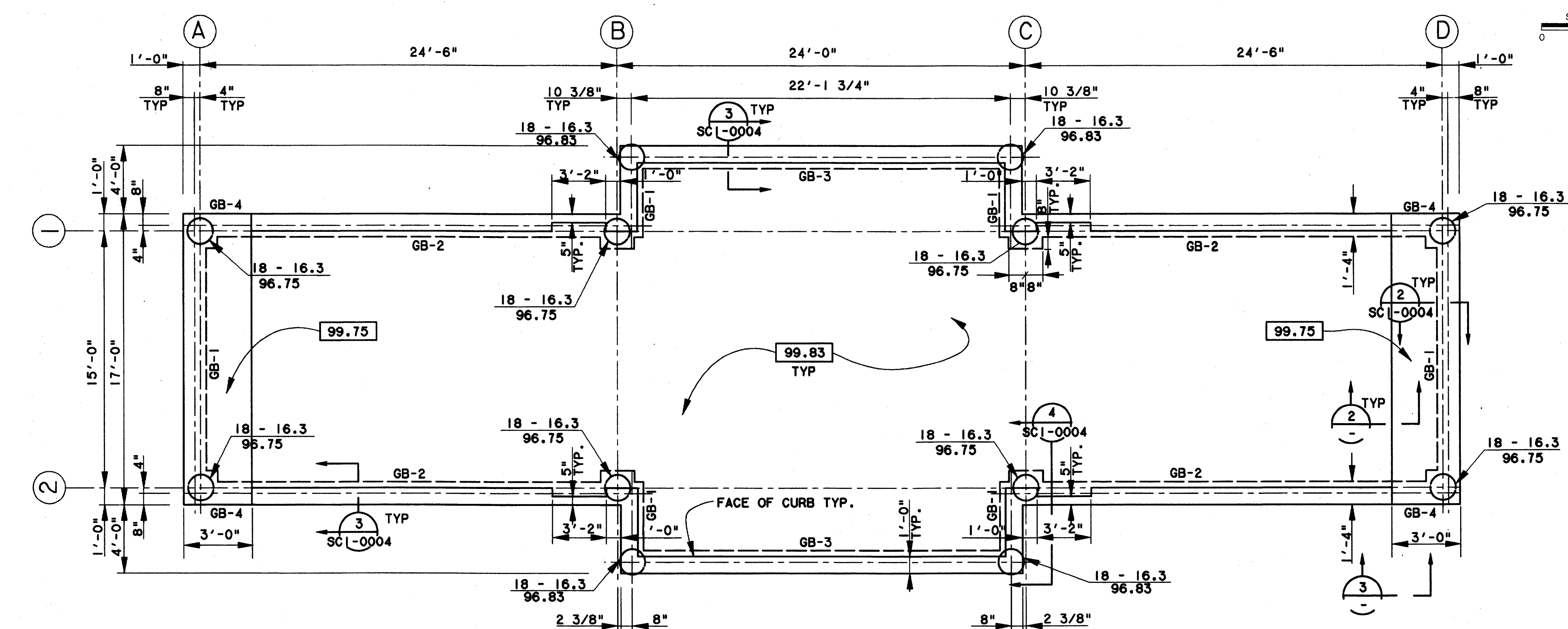
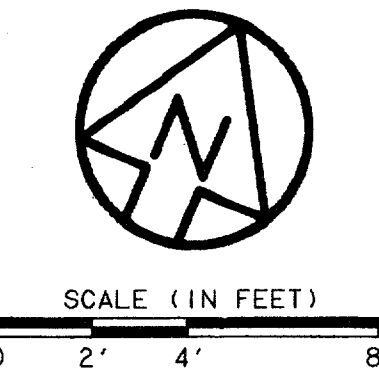
CONTRACT C-97000136 DWG No. SC1-0002 REV 0

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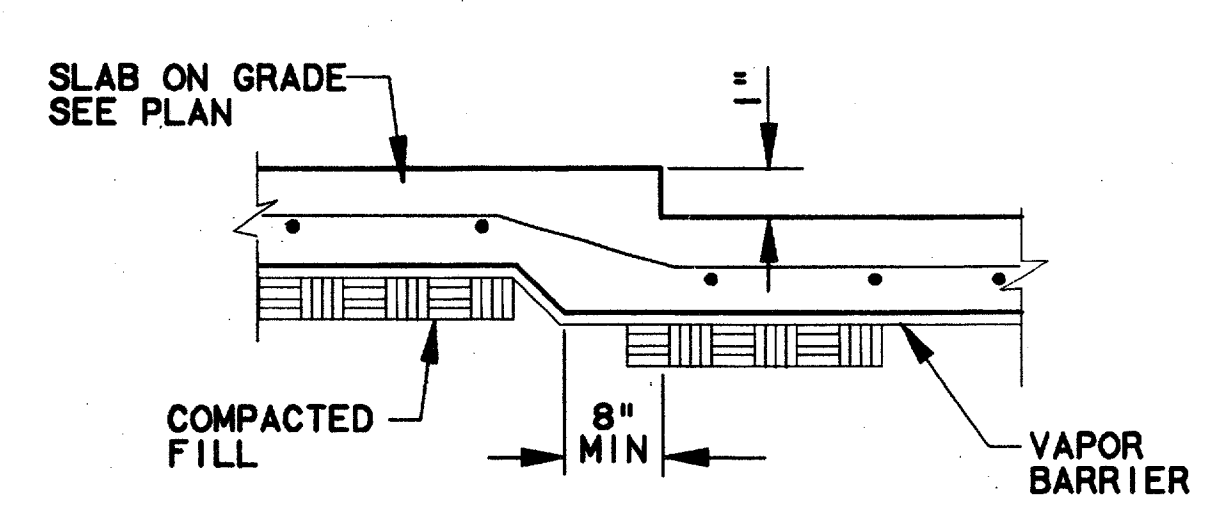
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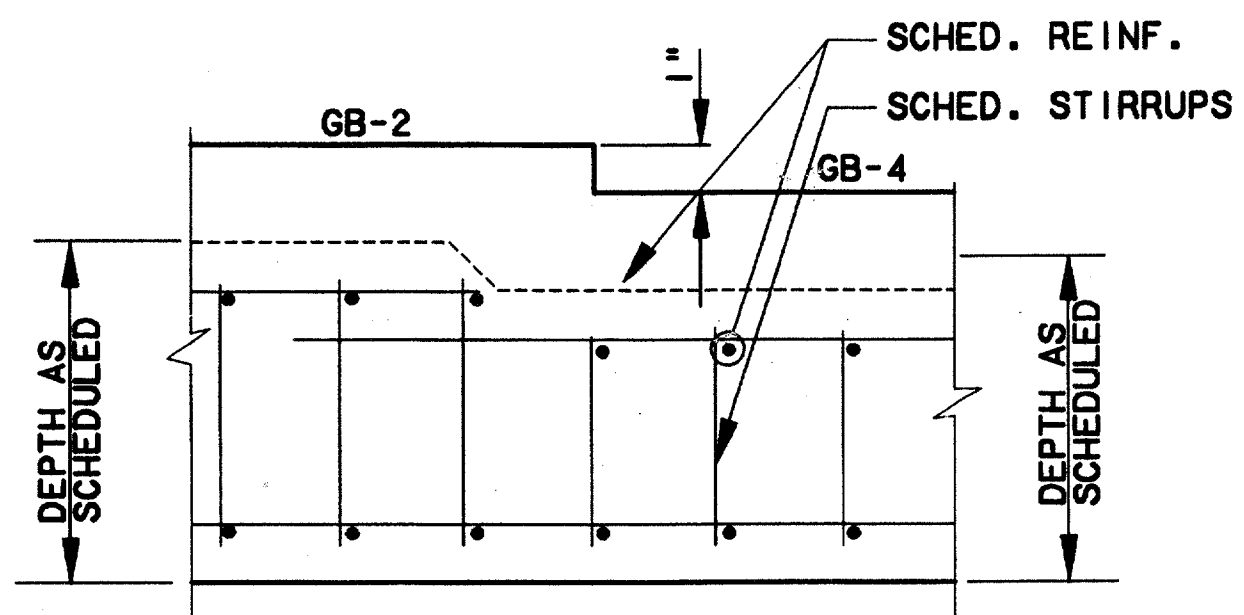
- NOTES:**
1. FINISHED FLOOR EL.=100.00 EQUIVALENT TO EL. 633.50 UNLESS NOTED OTHERWISE.
 2. SEE PIER DETAIL 1/SCI-0004 FOR REINFORCEMENT SCHEDULE AND PENETRATION.
 3. KEY TO PIER DESIGNATION:
 EST. MIN. SHAFT LENGTH (FT).
 SHAFT DIAMETER IN INCHES
 TOP OF SHAFT EL.
 18 - 41
 98.50
 4. TOP OF STRUCTURAL 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/SCI-0004 FOR TYPICAL FOUNDATION DETAILS.
 7. SEE SHEET 5/SCI-0007 FOR TYPICAL BASE PLATE DETAILS.

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

GRADE BEAM SCHEDULE							
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
SCALE: 1/4"=1'-0"



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

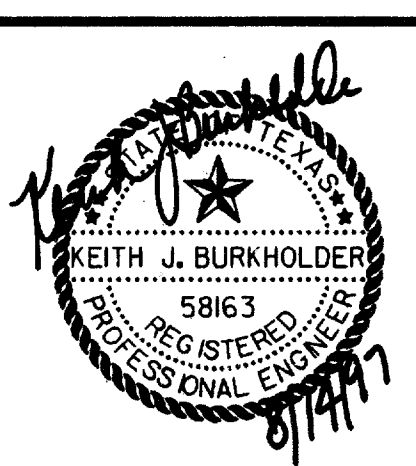
Board (Seal) Certification
 "Having checked the submission, we certify that it conforms to the requirements of the Board (in all respects, except as otherwise indicated)."
 Contract Number: 97000136
 Company Name: WEA
 Officer of Firm Registered: JEM KADER
 President
 State of Professional Engineer of Construction Construction, including signature and date, thereon, and the seal (as-built) drawings for accuracy of work.
 (Seal) (Seal) (Seal) (Seal) (Seal) (Seal) (Seal) (Seal) (Seal) (Seal)

CONFORMED

CONTRACT SHEET No. 74 OF 95

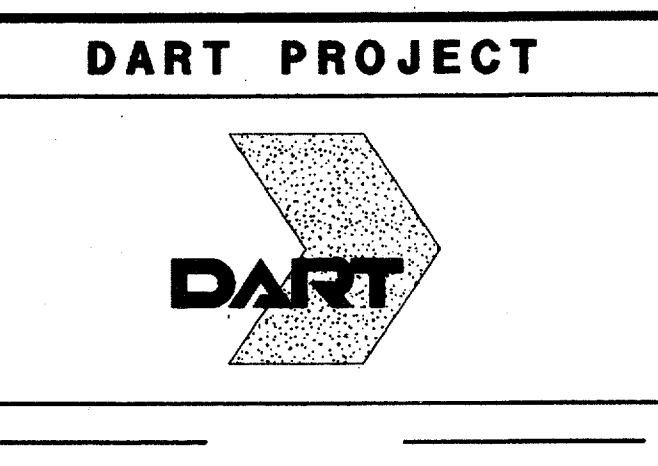
ADDISON
 TRANSIT CENTER
 ENCLOSURE FOUNDATION PLAN

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



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 A SUBSIDIARY OF LEO A DALY

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 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 825 MARKET CENTER BLVD - SUITE 50
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 (214) 748-7777

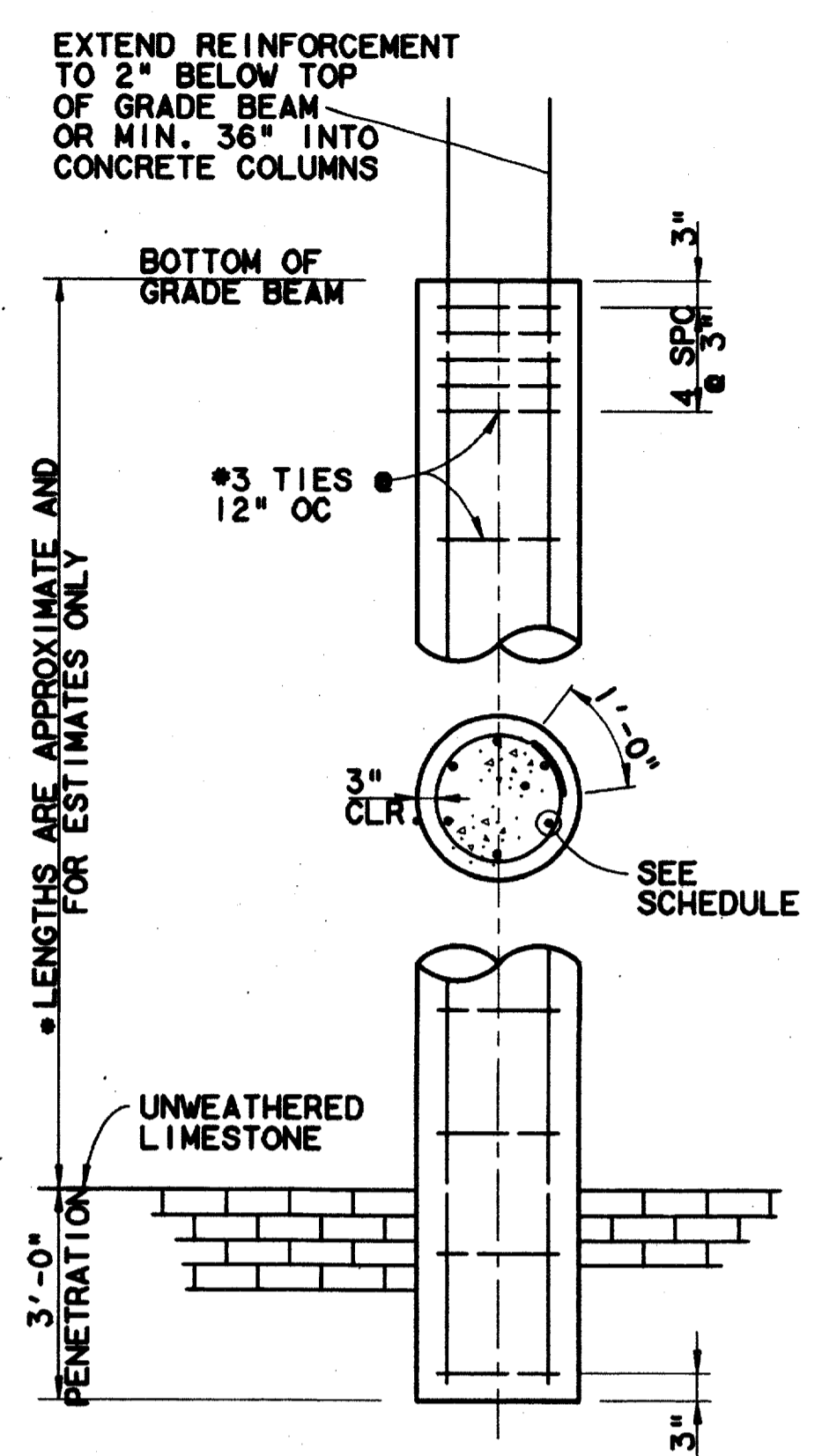


SCALE	1/4"=1'-0"
DRAWN	V. BAND
DESIGNED	V. BAND
CHECKED	K. BURKHOLDER
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

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

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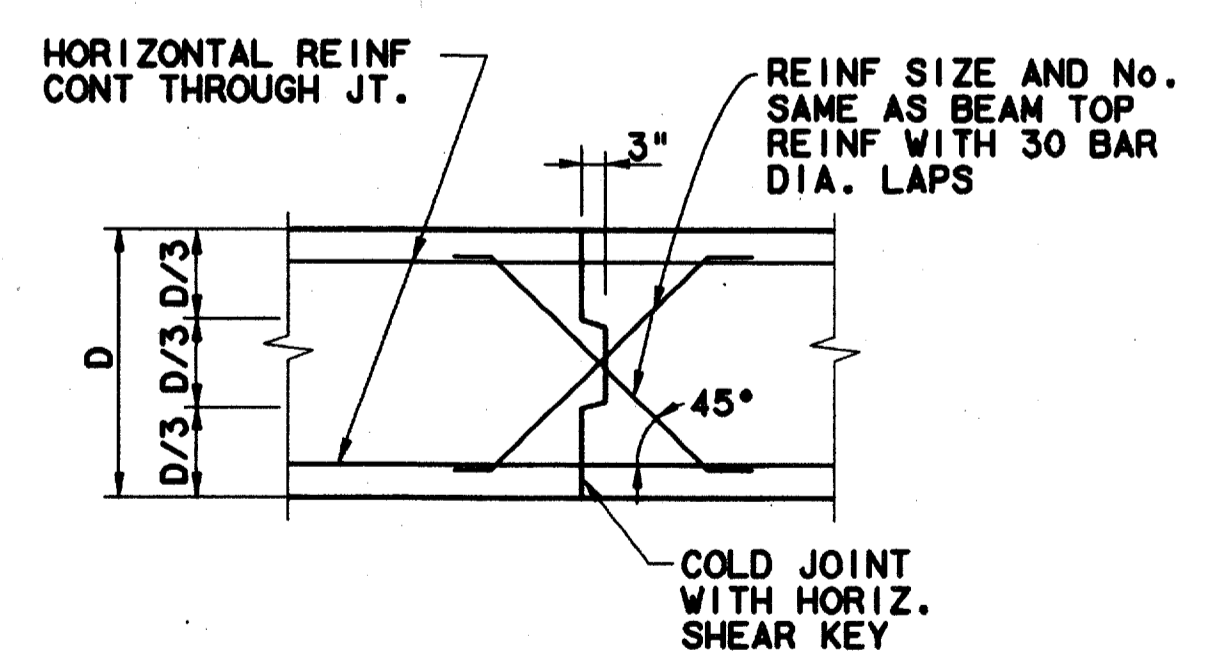
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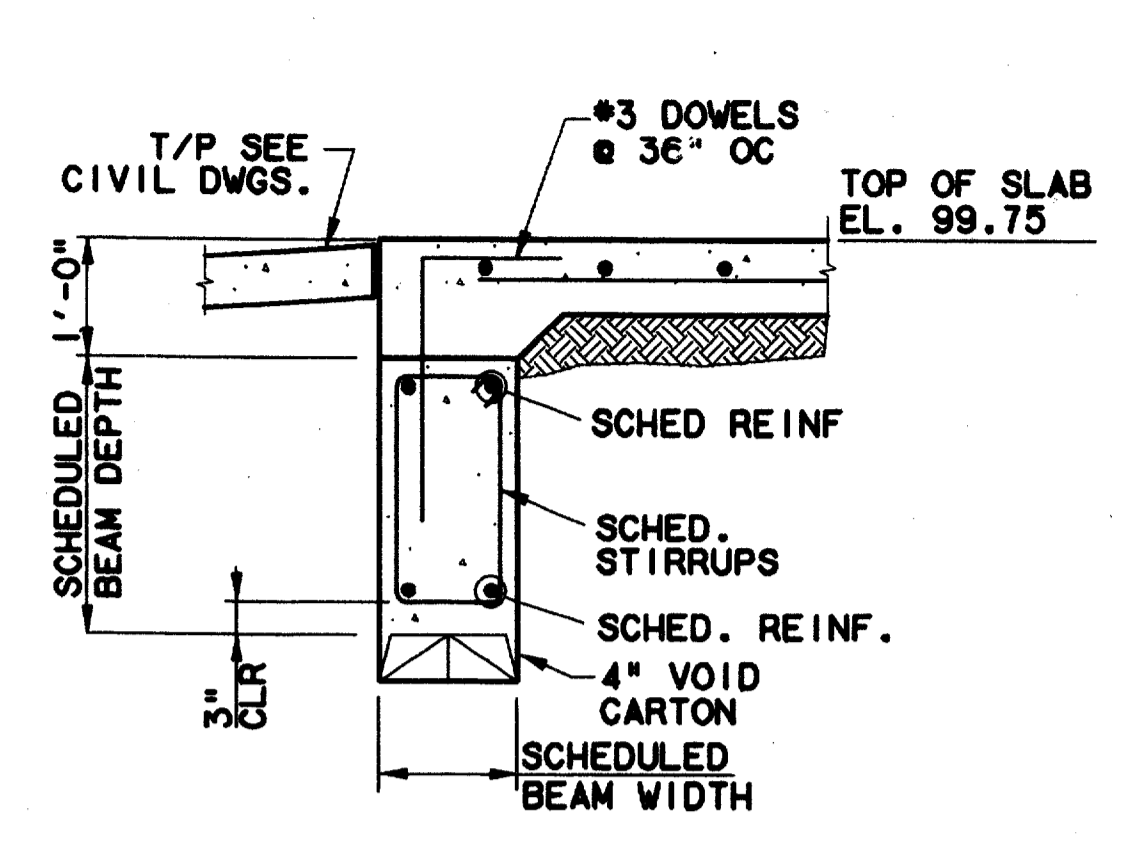
LENGTHS ARE APPROXIMATE AND FOR ESTIMATES ONLY

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

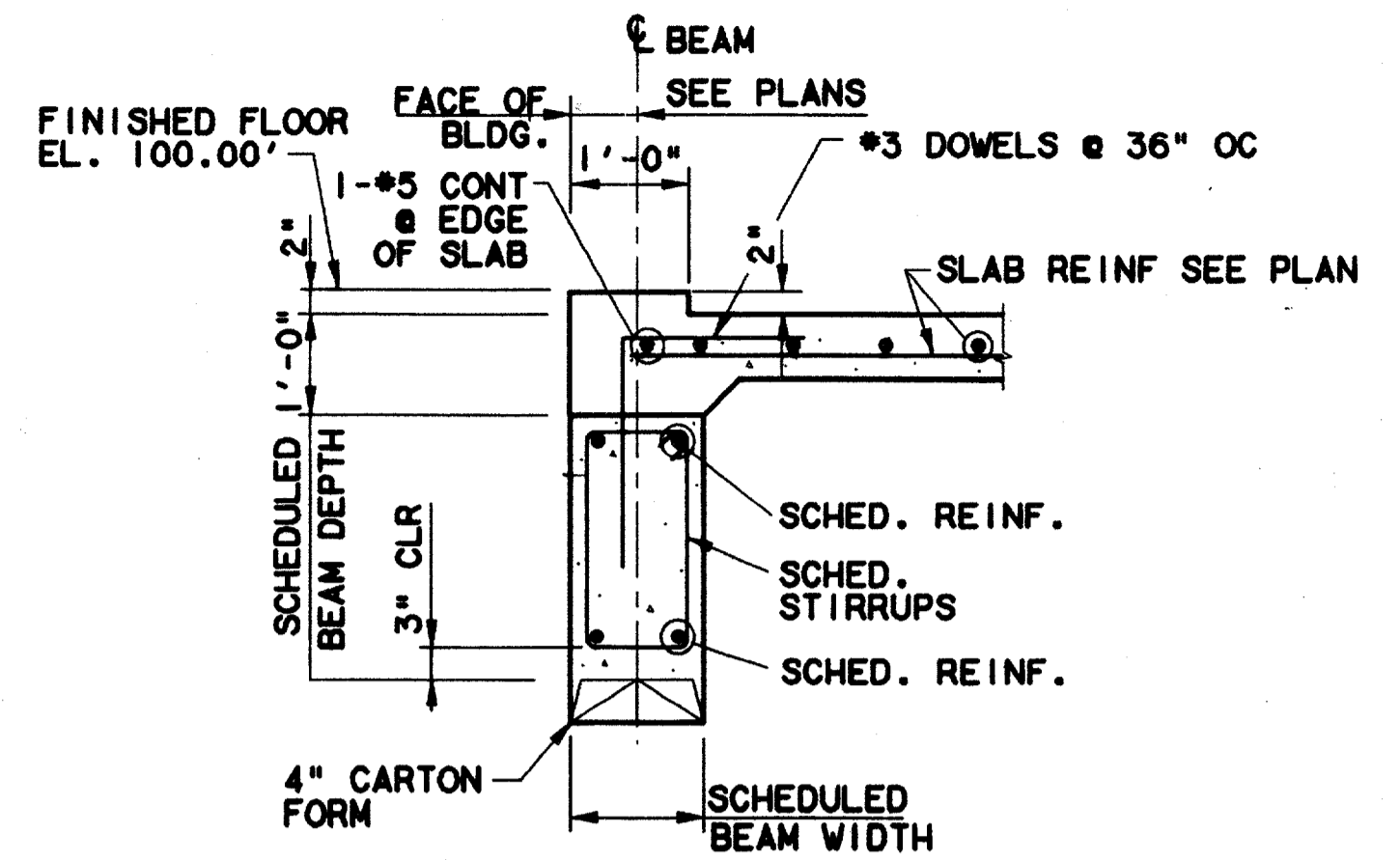
PIER SCHEDULE & SECTIONS (1)
N.T.S. SCI-0003



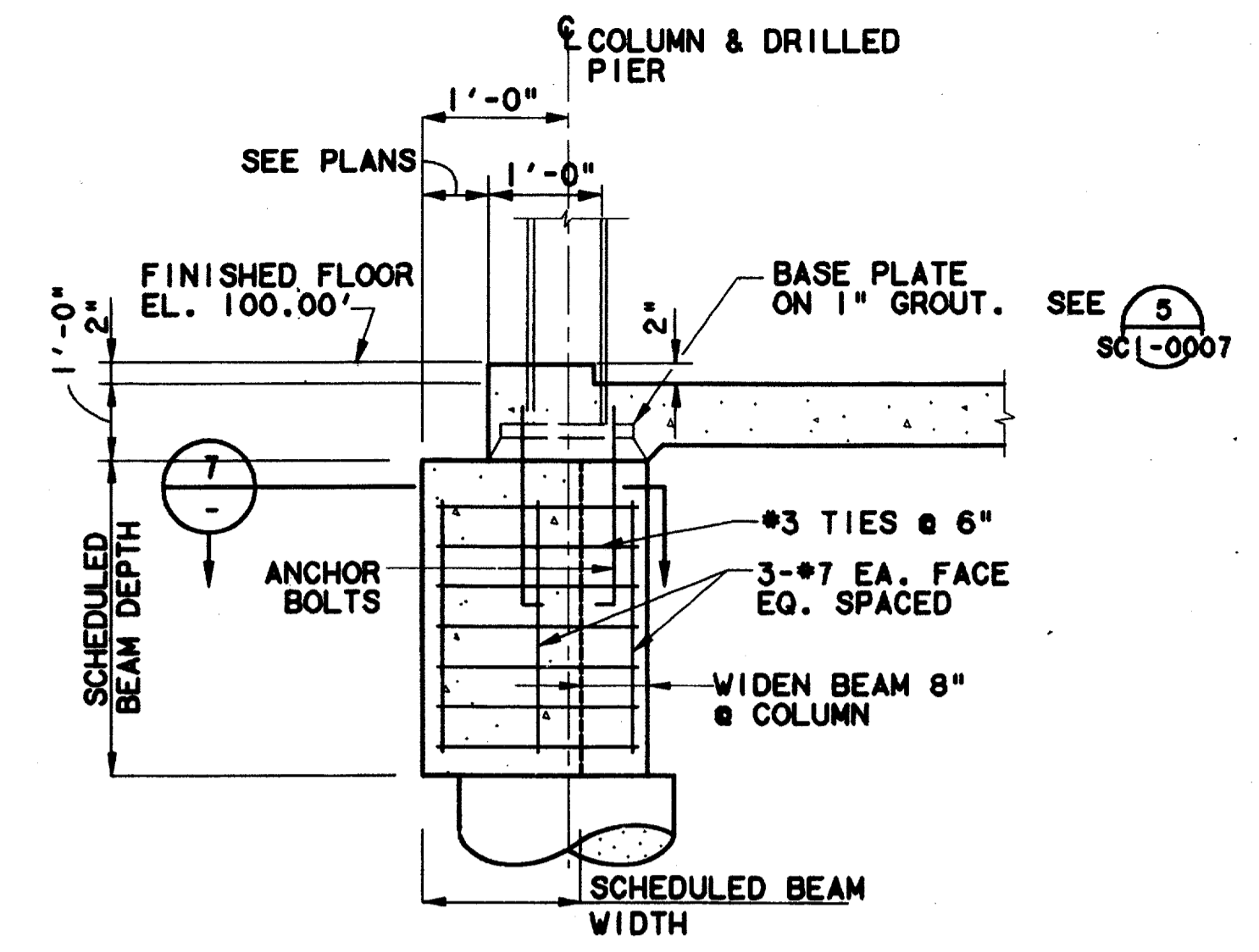
TYP. BEAM CONST. JT. (8)
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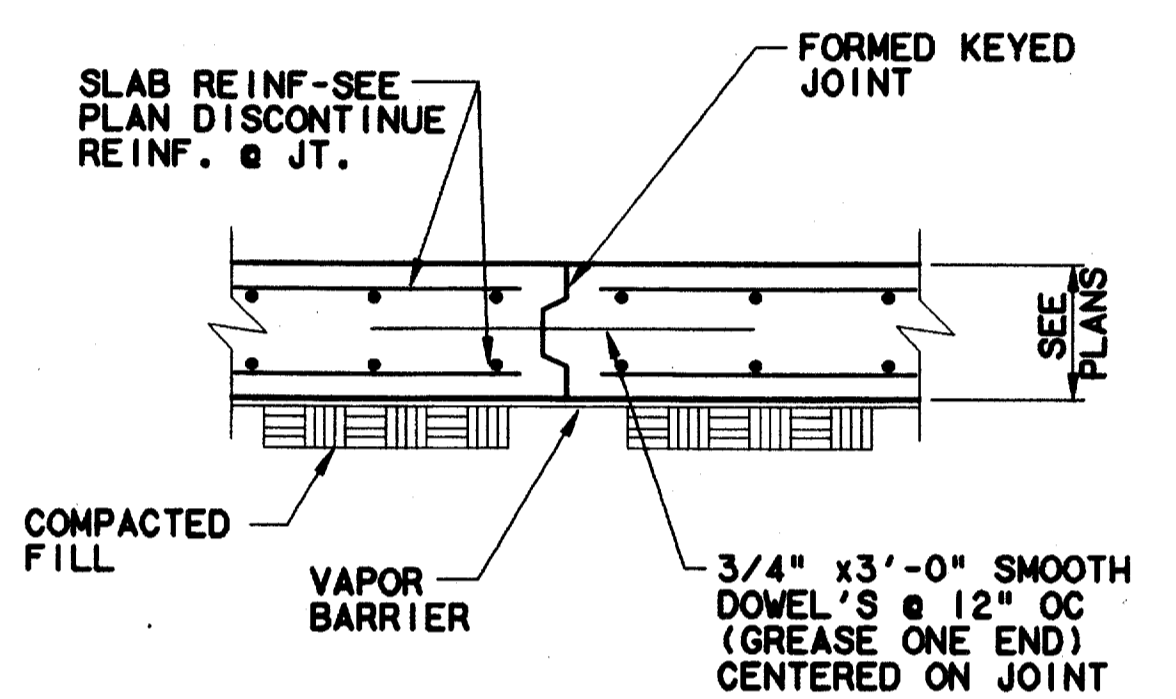
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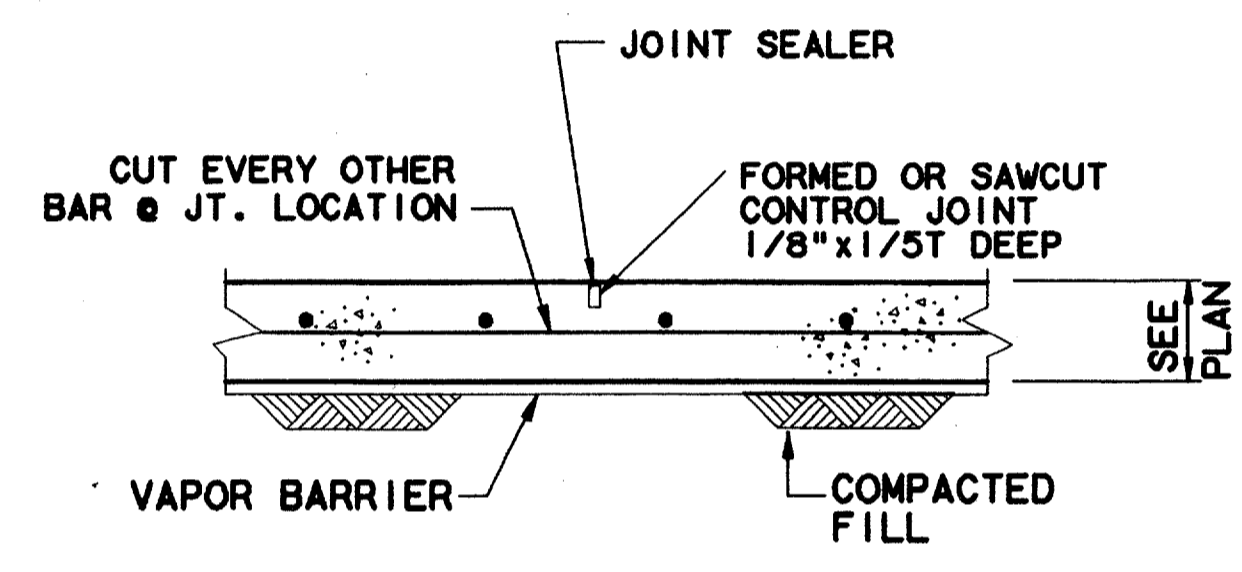
SECTION 3
SCALE: 1/2"=1'-0" SCI-0003



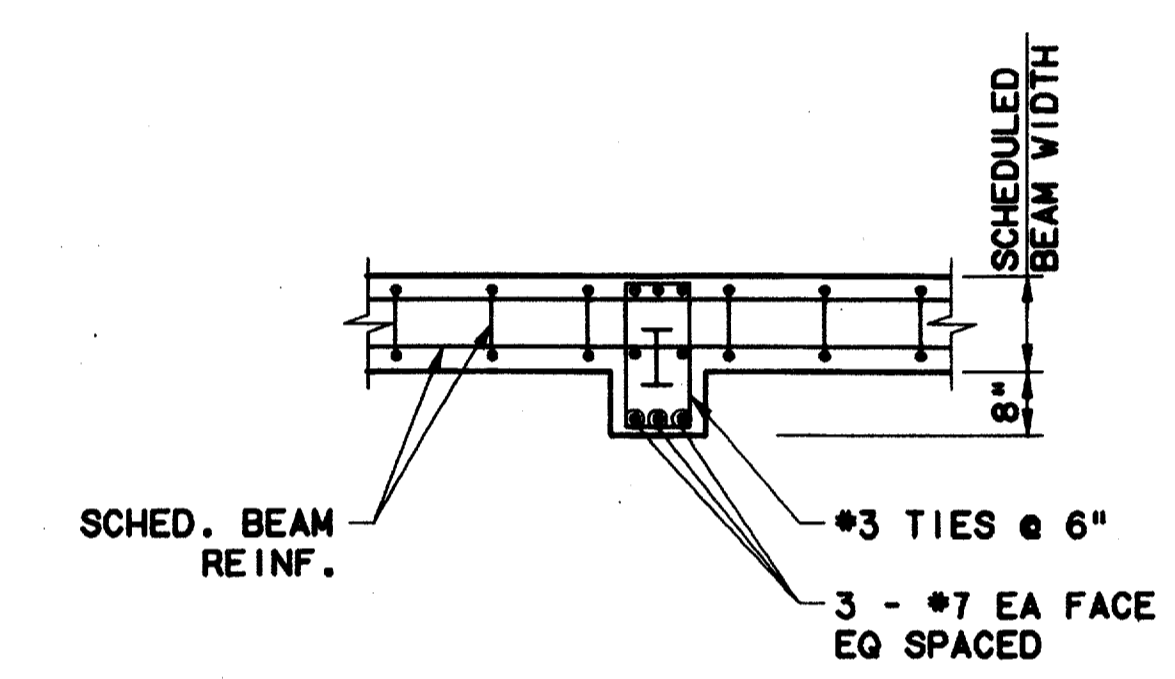
SECTION 4
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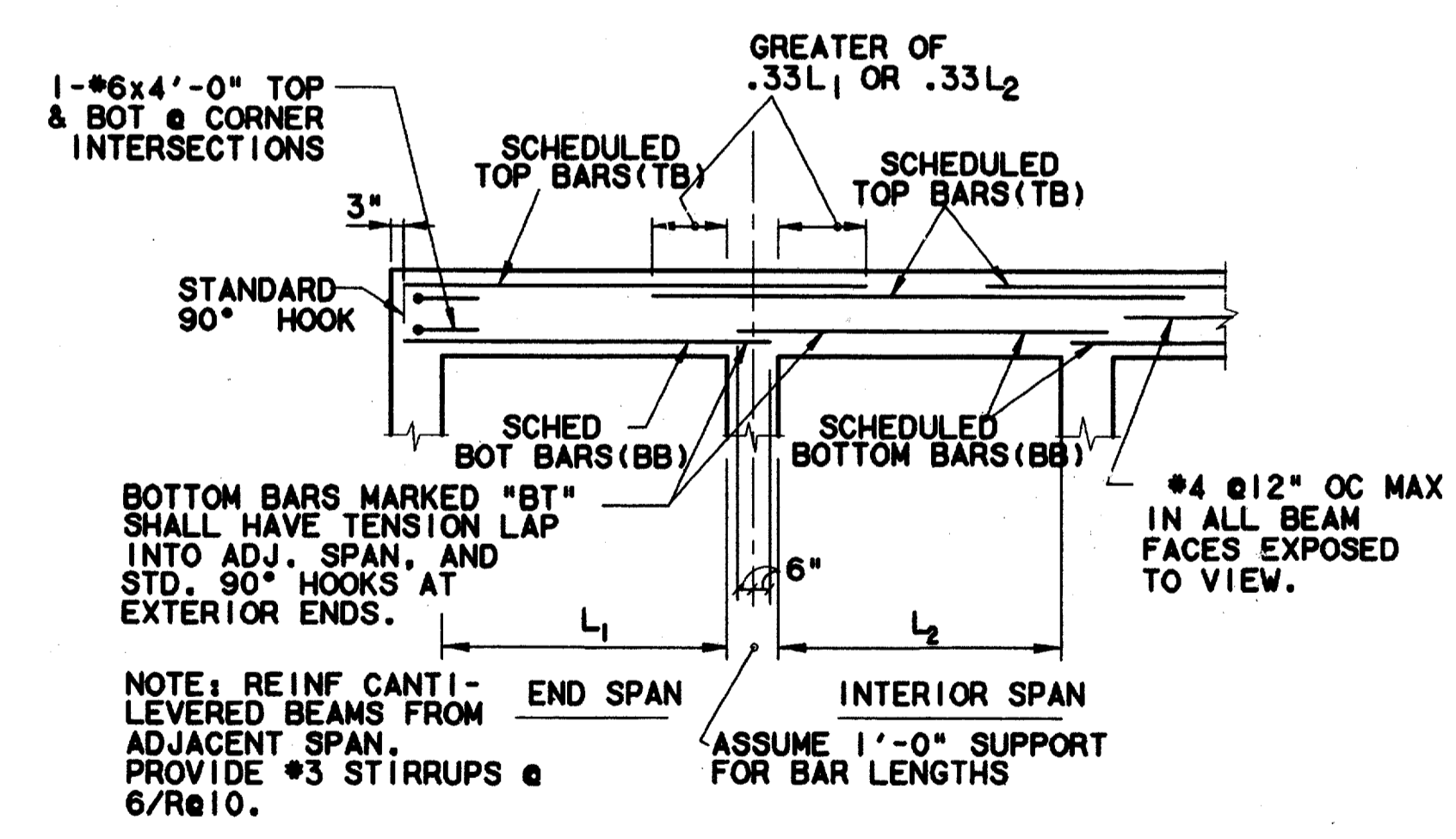
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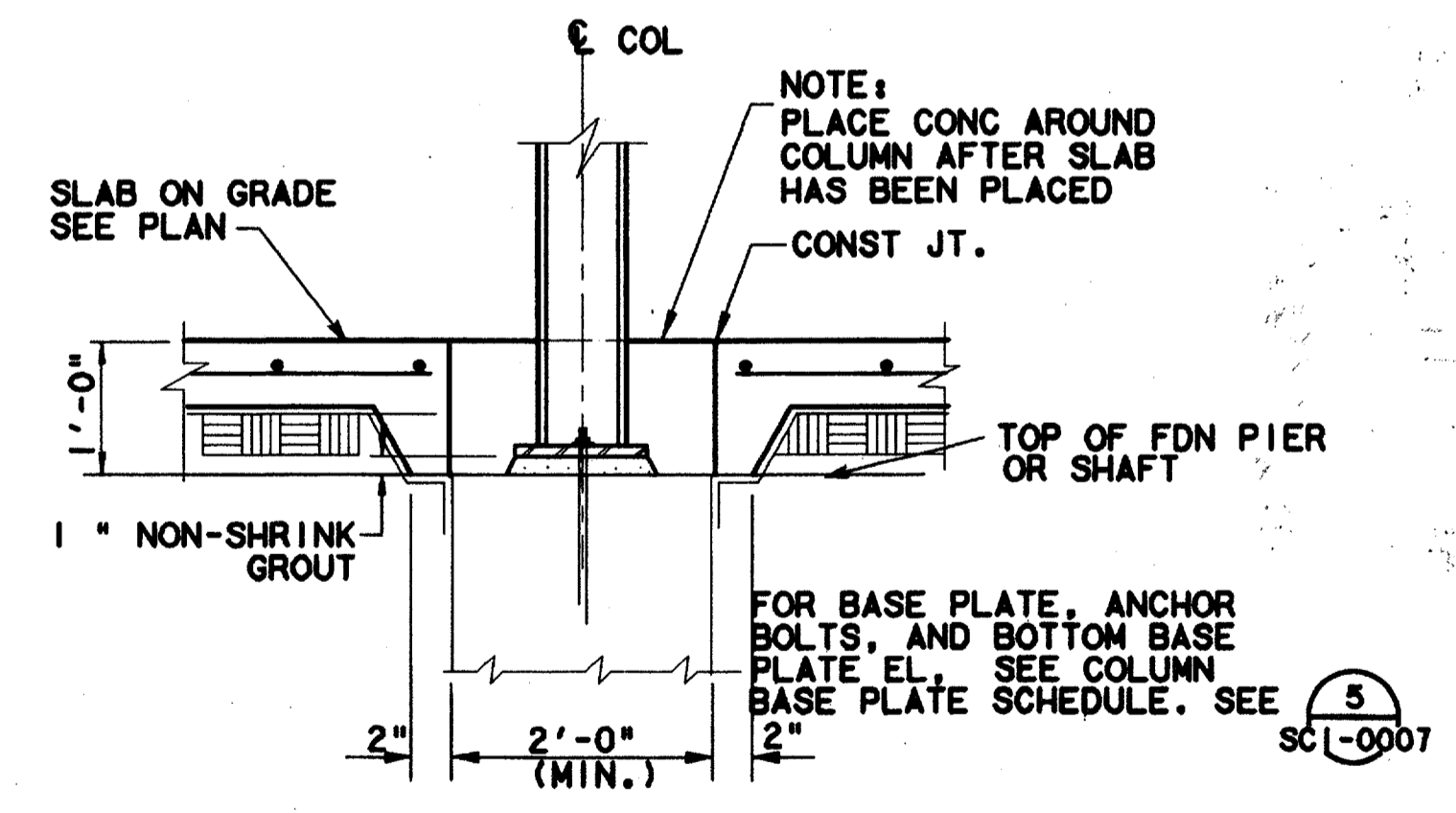
TYP. CONTROL JOINT 6
SCALE: 1/2"=1'-0" SCI-0003



TYP. SECTION 7
SCALE: 1/2"=1'-0" SCI-0003



TYP. GRADE BM. BAR PLACEMENT DETAIL 9
SCALE: 1/2"=1'-0" SCI-0003



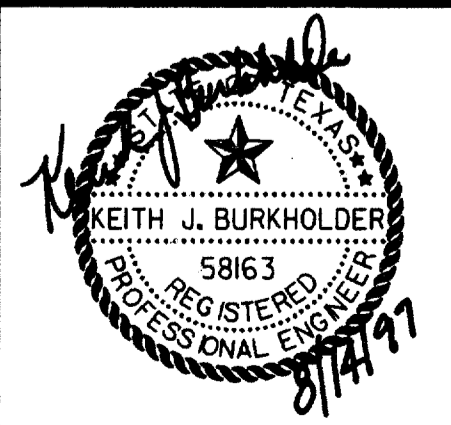
TYP. CONST. JT. @ COLUMNS 10
SCALE: 1/2"=1'-0" SCI-0003

Record (As-built) Certification
 I, the undersigned, having checked this submission, hereby certify that it conforms to the requirements of the contract in all respects, except as otherwise indicated.
 Contract No. 75 OF 95
 City of Dallas
 Office of Public Works
 City of Dallas
 Date: 7-7-99
 JIM KADER
 PRESIDENT

CONFORMED

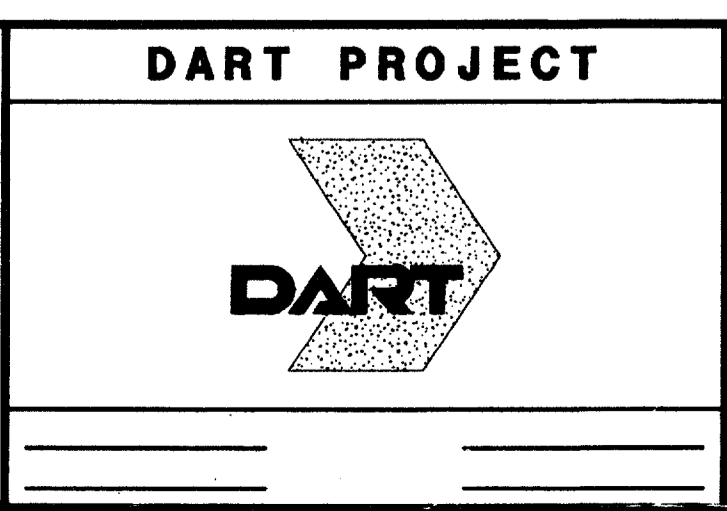
CONTRACT SHEET No. 75 OF 95

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



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 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 8025 MARKET CENTER BLVD - SUITE 510
 DALLAS, TEXAS 75207
 (214) 741-7777



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

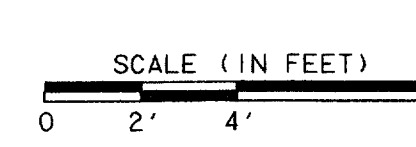
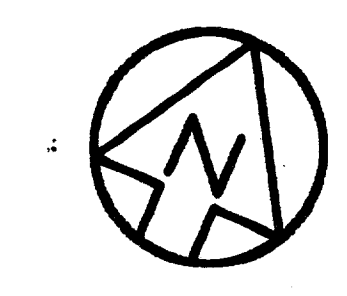
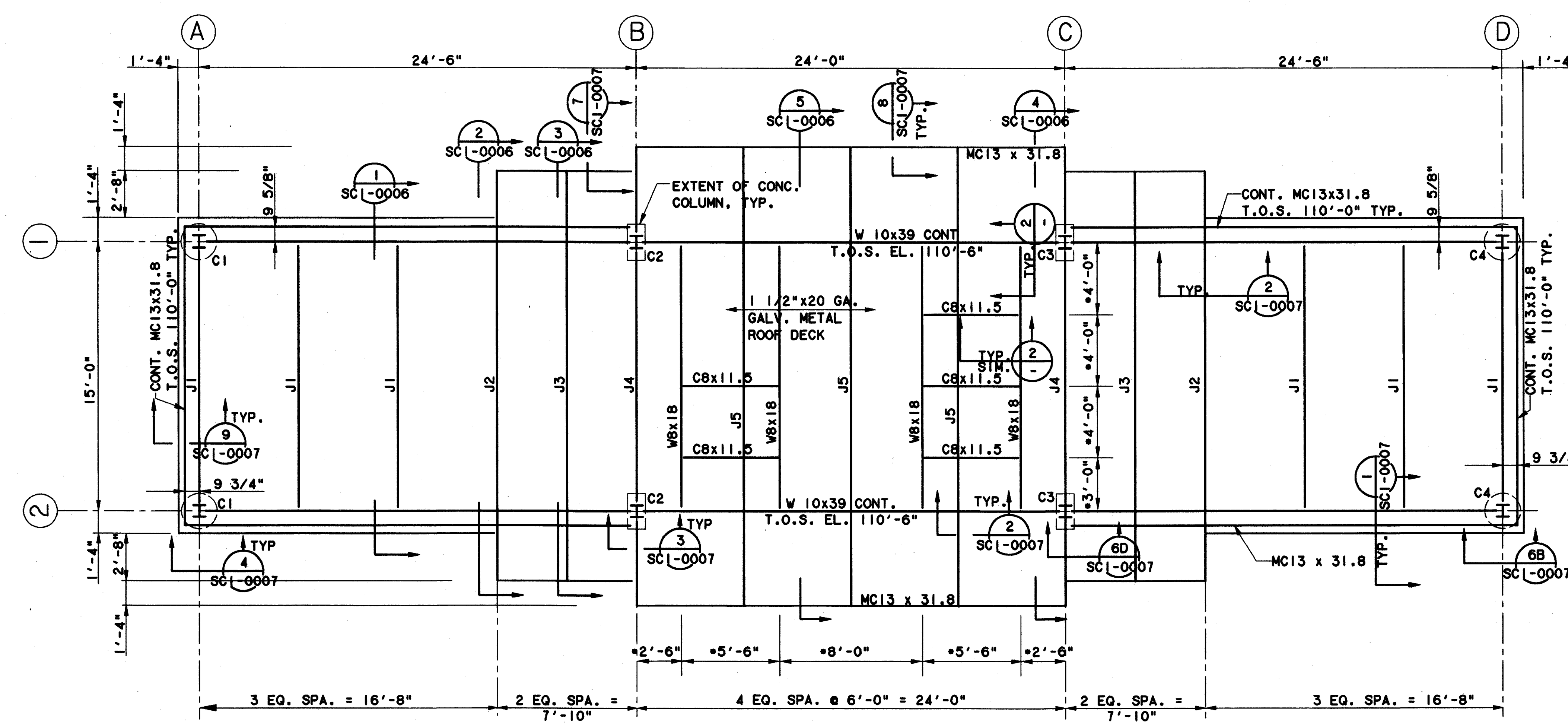
ADDISON TRANSIT CENTER
ENCLOSURE FOUNDATION DETAILS
 CONTRACT C-97000136
 DWG No. SCI-0004
 REV 0

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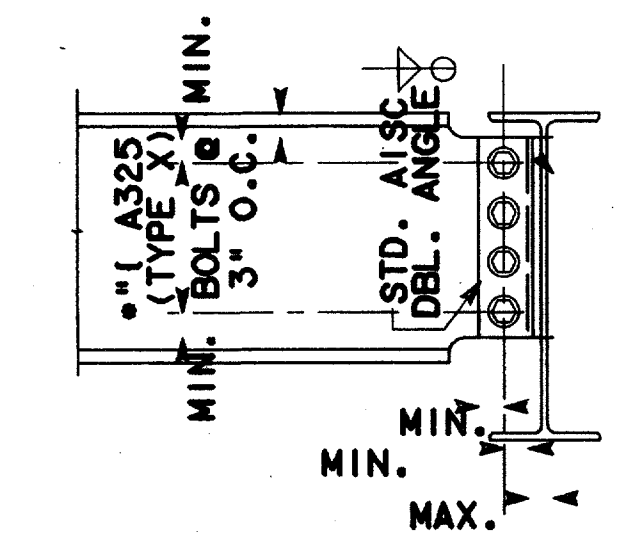


- NOTES:**
1. FINISHED FLOOR EL. = 100'-0"
 2. T.O.S. EL. = TOP OF STEEL ELEVATION
 3. REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT SIZES, LOCATIONS, AND OTHER REQUIREMENT.
 4. T.O.S. EL. = 110'-6" UNLESS NOTED OTHERWISE.

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

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

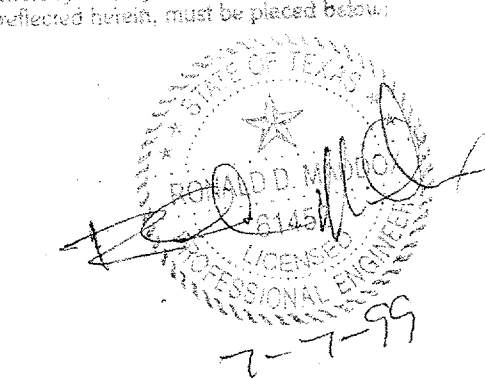
JOIST SCHEDULE			REFERENCE
MARK	SIZE	T.O. STEEL	
J1	TS 4x4x3/16	10'-6"	DET. 1/SCI-0006
J2	TS 4x4x3/16	10'-6"	DET. 2/SCI-0006
J3	TS 4x4x3/16	10'-6"	DET. 3/SCI-0006
J4	TS 4x4x3/16	10'-6"	DET. 4/SCI-0006
J5	TS 4x4x3/16	10'-6"	DET. 5/SCI-0006



STANDARD BEAM END CONNECTIONS	
BEAM SIZE	NUMBER OF BOLTS
W8, W10	2
C8	2

SHEAR CONNECTION DETAILS
 N.T.S.

Record (As-built) Certification
 I have 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
 Officer of Firm Signature: [Signature]
 Date: 7-2-99
 Title of Officer (Typed): PRESIDENT
 Seal of Professional Engineer of Construction Contractors including signature and title, when to apply (record) and when to apply (accuracy) must be placed below.

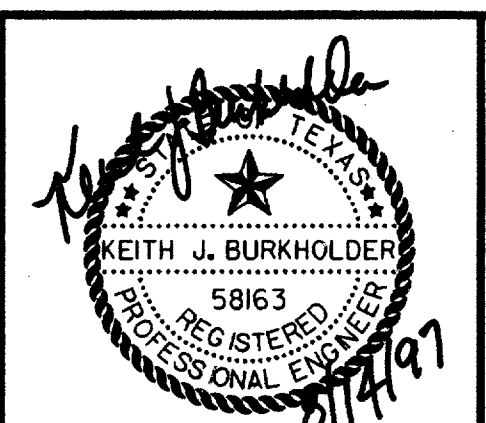


CONFORMED

CONTRACT SHEET No. 76 OF 95

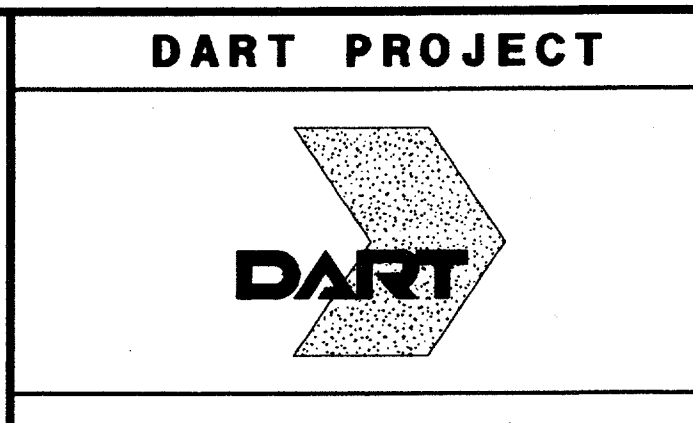
**ADDISON
 TRANSIT CENTER
 ENCLOSURE ROOF
 FRAMING PLAN**

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



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 310
 DALLAS, TEXAS 75207
 (214) 741-7777

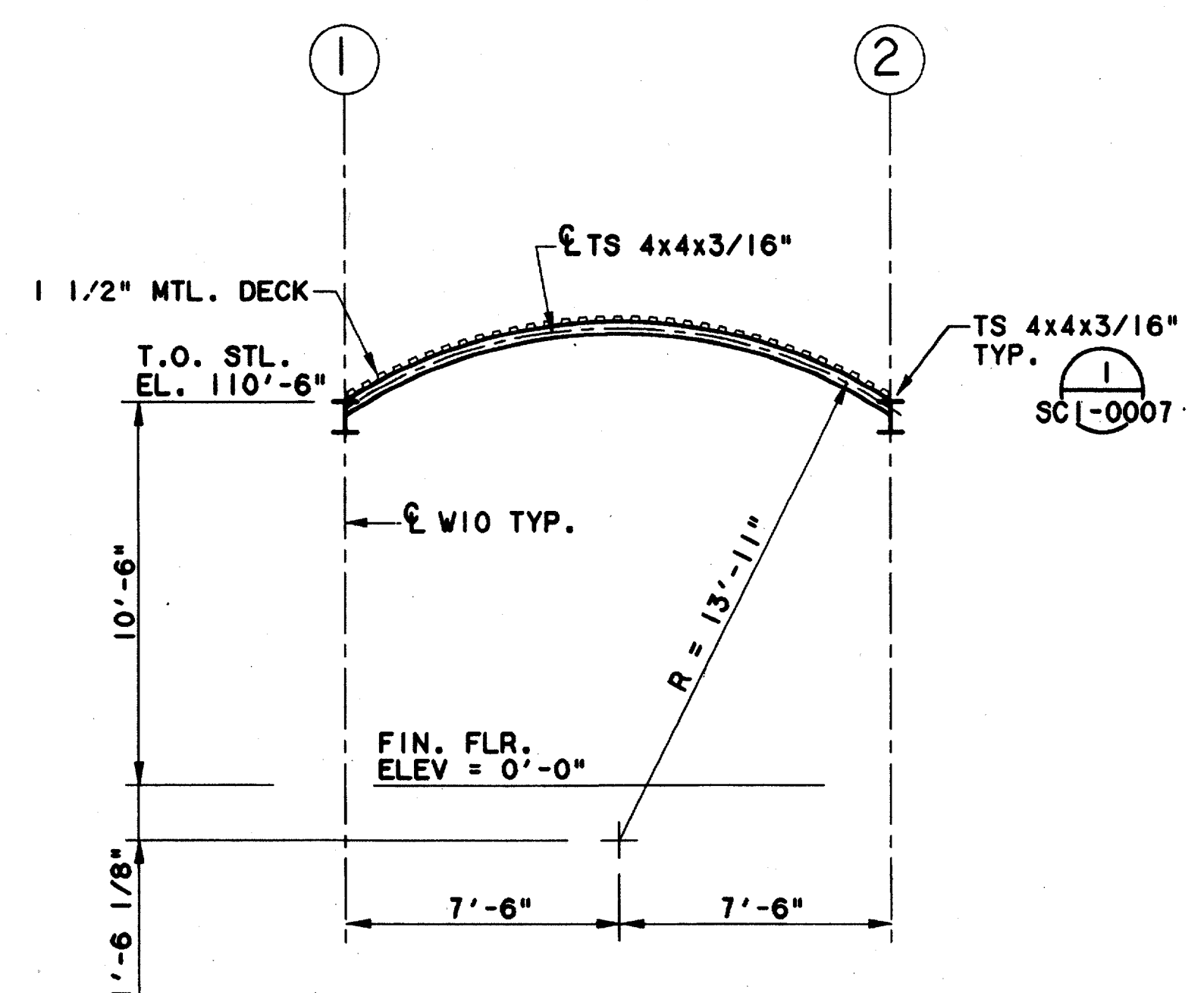


SCALE	
DRAWN	V. BAND
DESIGNED	V. BAND
CHECKED	K. BURKHOLDER
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

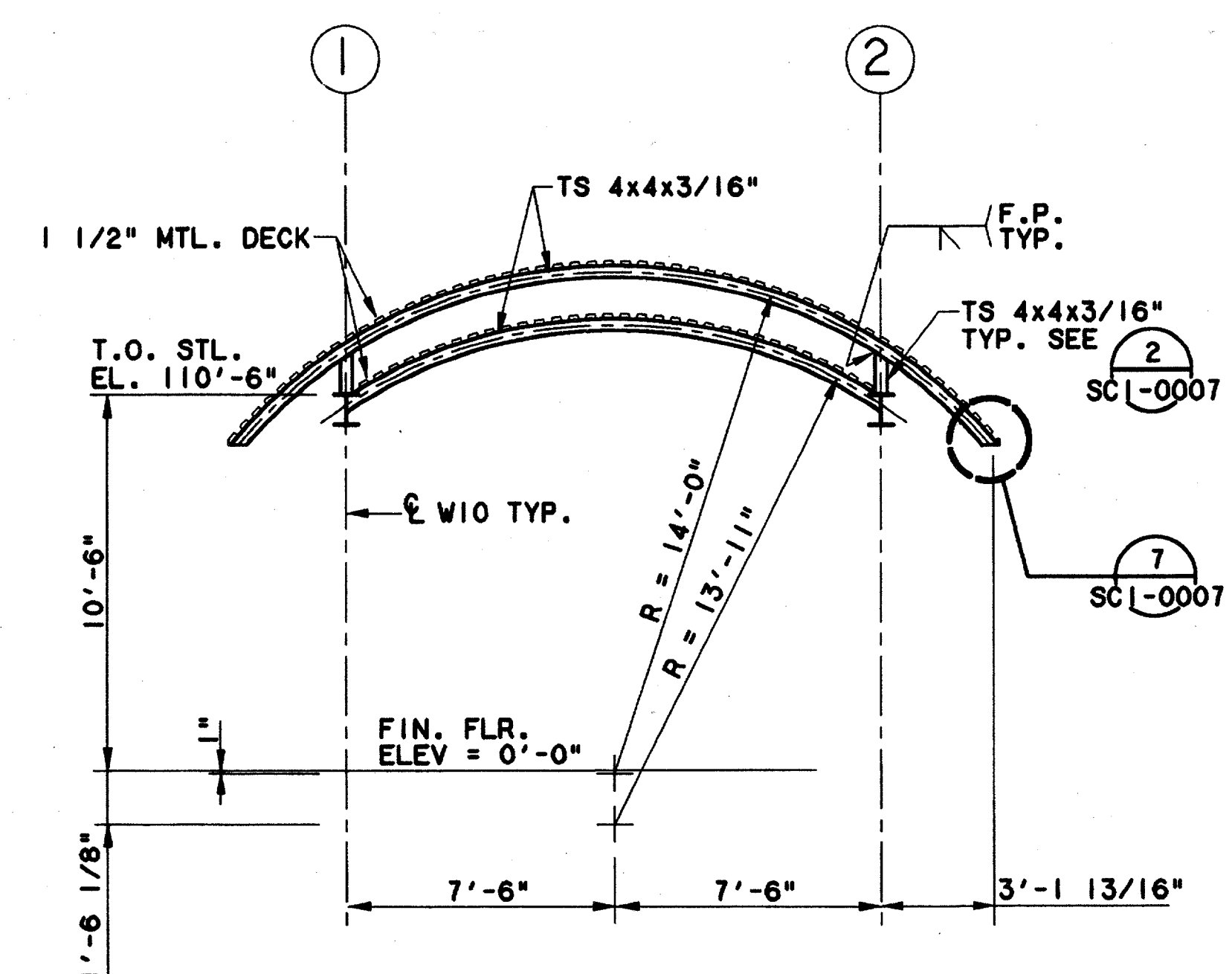
CONTRACT C-97000136 DWG No. SCI-0005 REV 0

\$\$\$DGN\$\$\$SPECIFICICATIONS\$\$\$
 \$\$\$SYTIME\$\$\$
 \$\$\$PRF\$\$\$
 \$\$\$USERNAME\$\$\$
 \$\$\$PRF ROT\$\$\$
 \$\$\$PEN\$\$\$
 \$\$\$ILEG6\$\$\$
 \$\$\$ILE7\$\$\$
 \$\$\$ILE8\$\$\$
 \$\$\$ILE9\$\$\$
 \$\$\$ILE10\$\$\$
 \$\$\$ILE1\$\$\$
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 \$\$\$ILE3\$\$\$
 \$\$\$ILE4\$\$\$
 \$\$\$ILE5\$\$\$

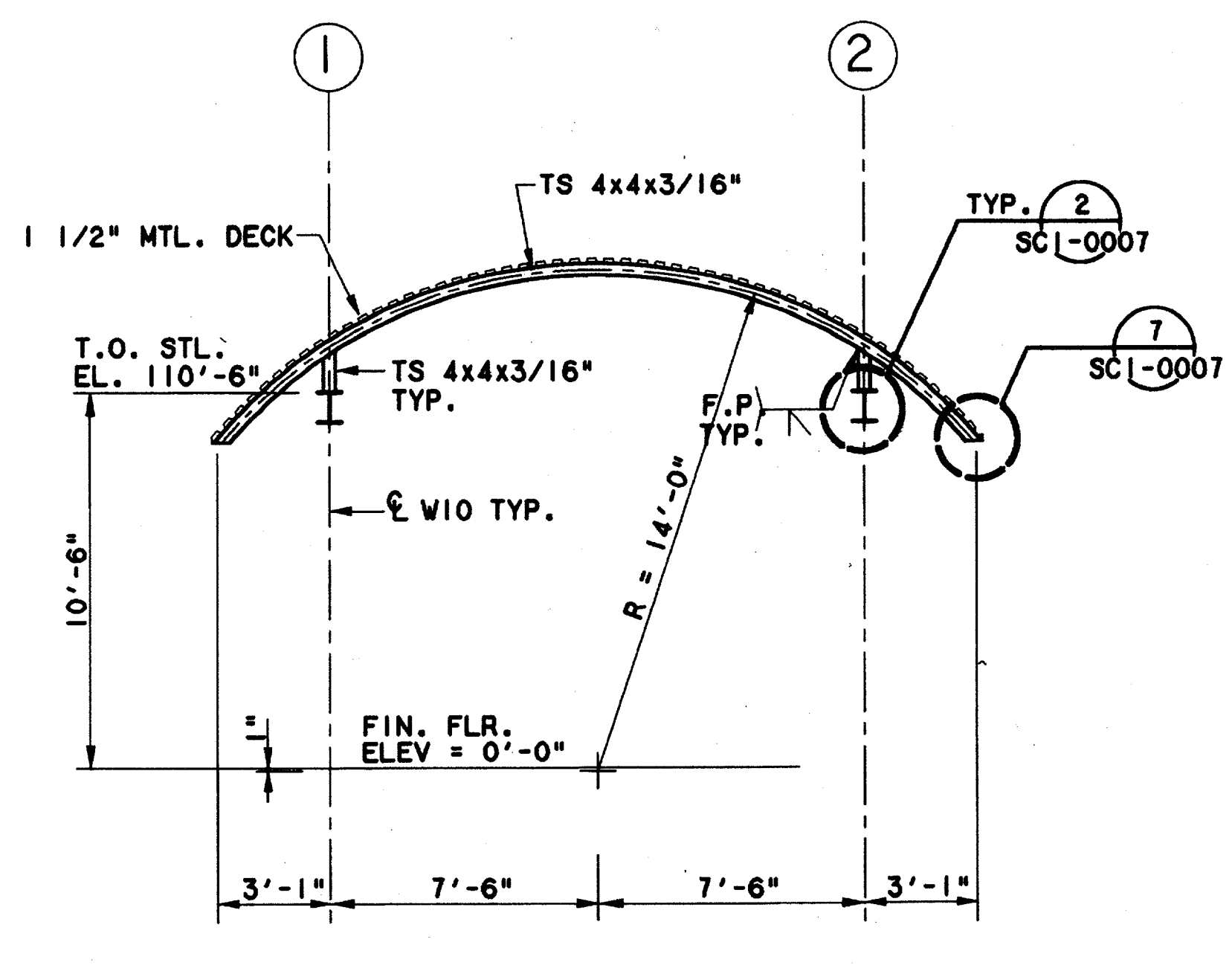
9000-13S ON 9MD



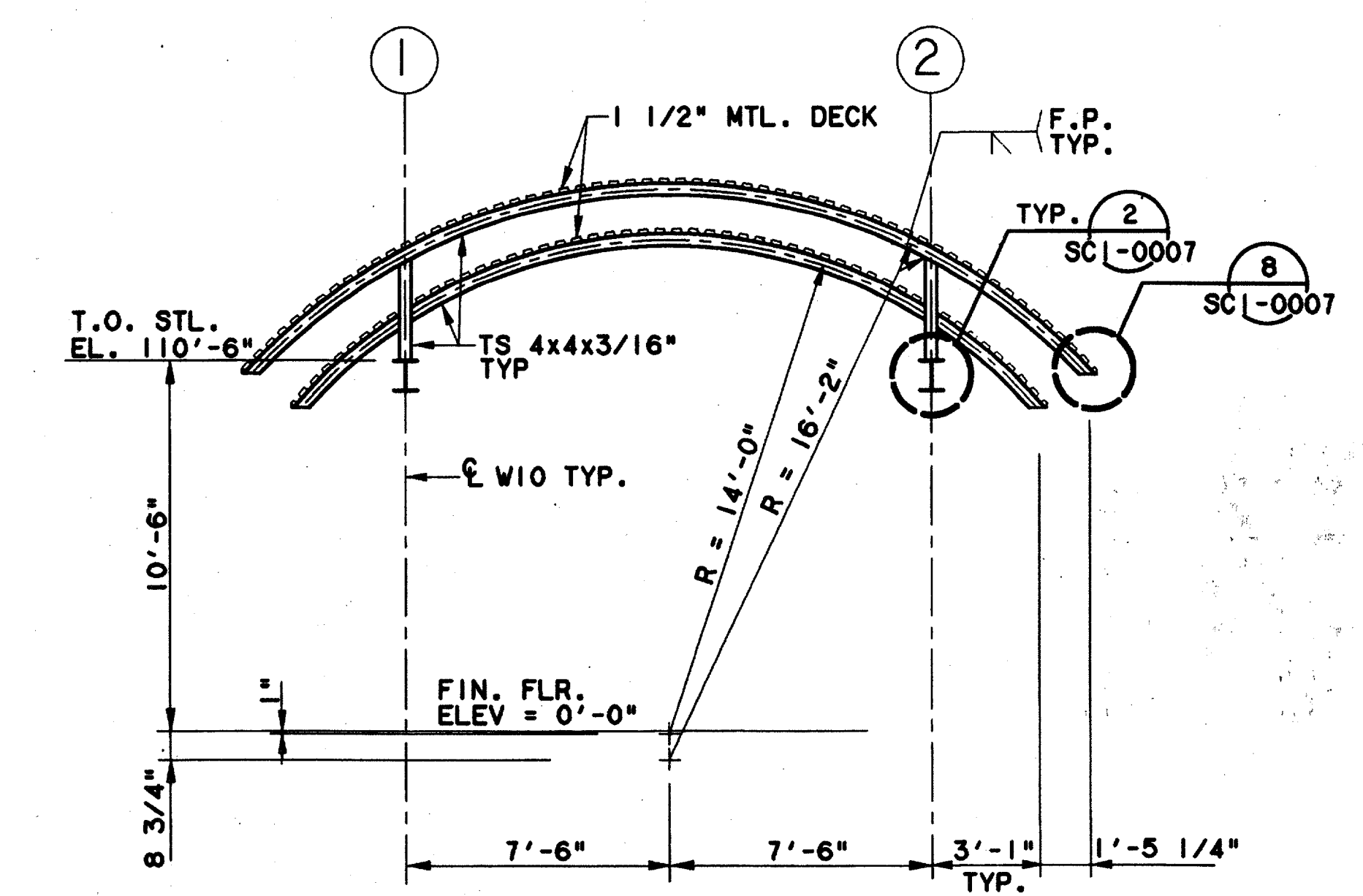
SECTION-J1 (1)
SCALE: 1/4"=1'-0" SCI-0005



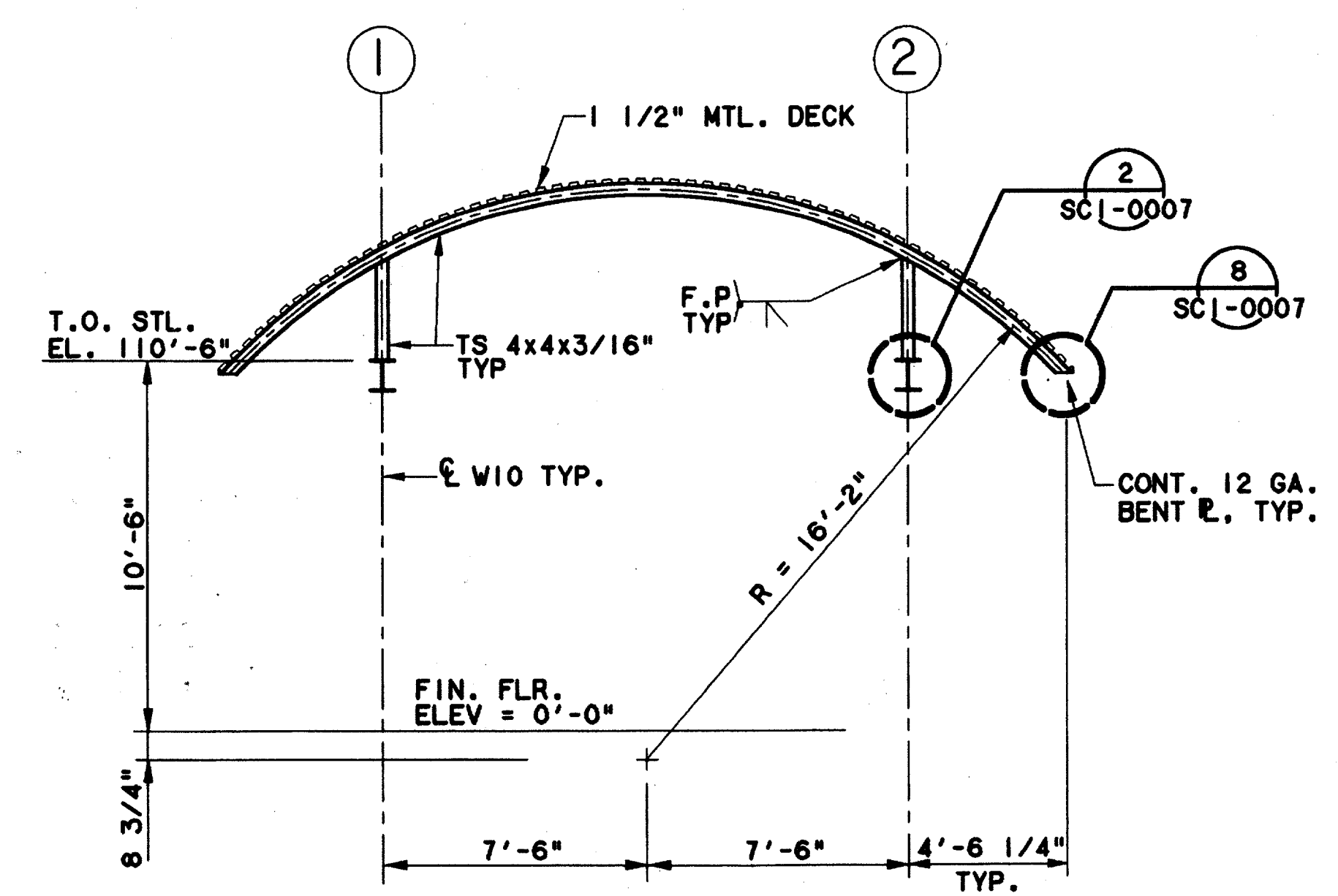
SECTION-J2 (2)
SCALE: 1/4"=1'-0" SCI-0005



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

Record (As-built) Certificate
 Record (As-built) Certificate
 Having checked this submission against the requirements of the contract in all respects, except as otherwise indicated,
 I hereby certify that the same conforms to the requirements of the contract.
 Contract Number: 97000136
 Company Name: WLA
 Office of Firm Signature: [Signature]
 Title of Firm Representative: [Signature]
 Name of Professional Engineer: TOM KADER
 Title of Professional Engineer: PRESIDENT
 State of Professional Engineer: TEXAS
 I, the Professional Engineer of Contracting Contractor, including signature
 and other necessary sealing, record and other things for amount of all-
 provided herein must be blank.

7-7-97

CONFORMED

CONTRACT SHEET No. 77 OF 95

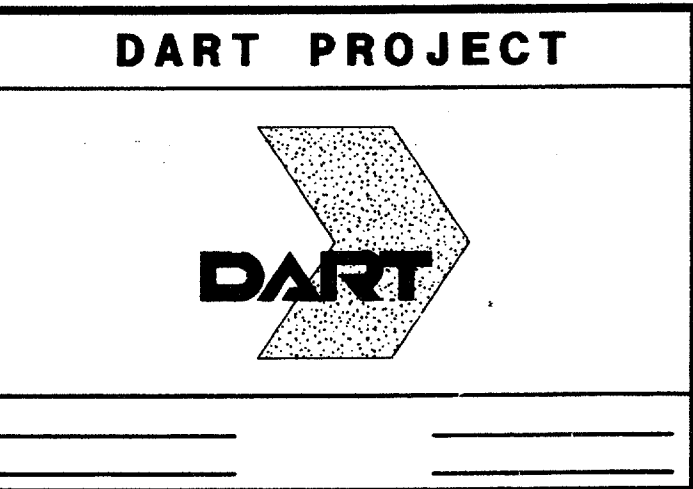
**ADDISON
 TRANSIT CENTER**
**ENCLOSURE ROOF
 SECTIONS**

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



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

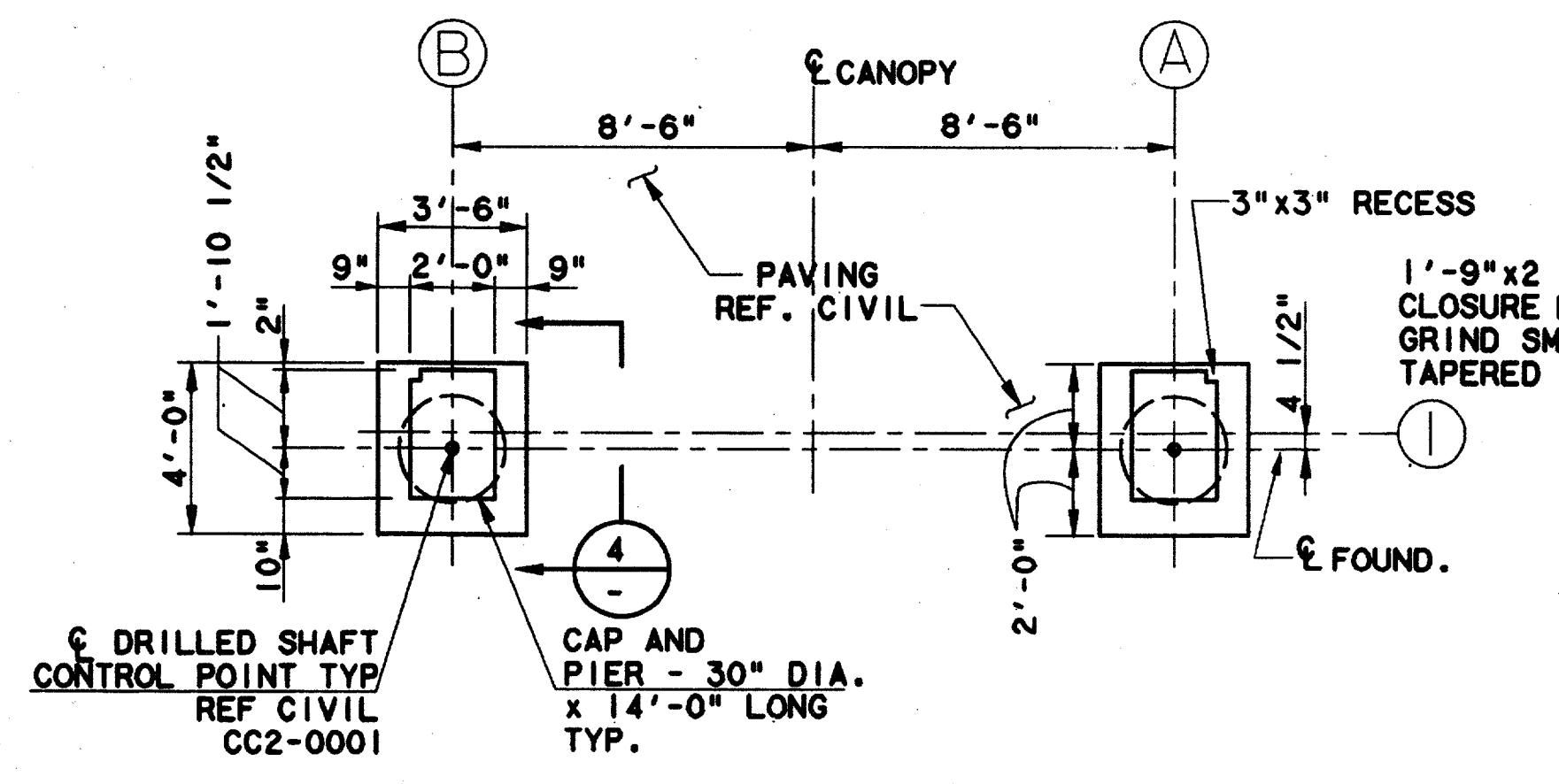
WLA
WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 905 MARKET CENTER BLVD., SUITE 510
 DALLAS, TEXAS 75207
 (214) 746-7777



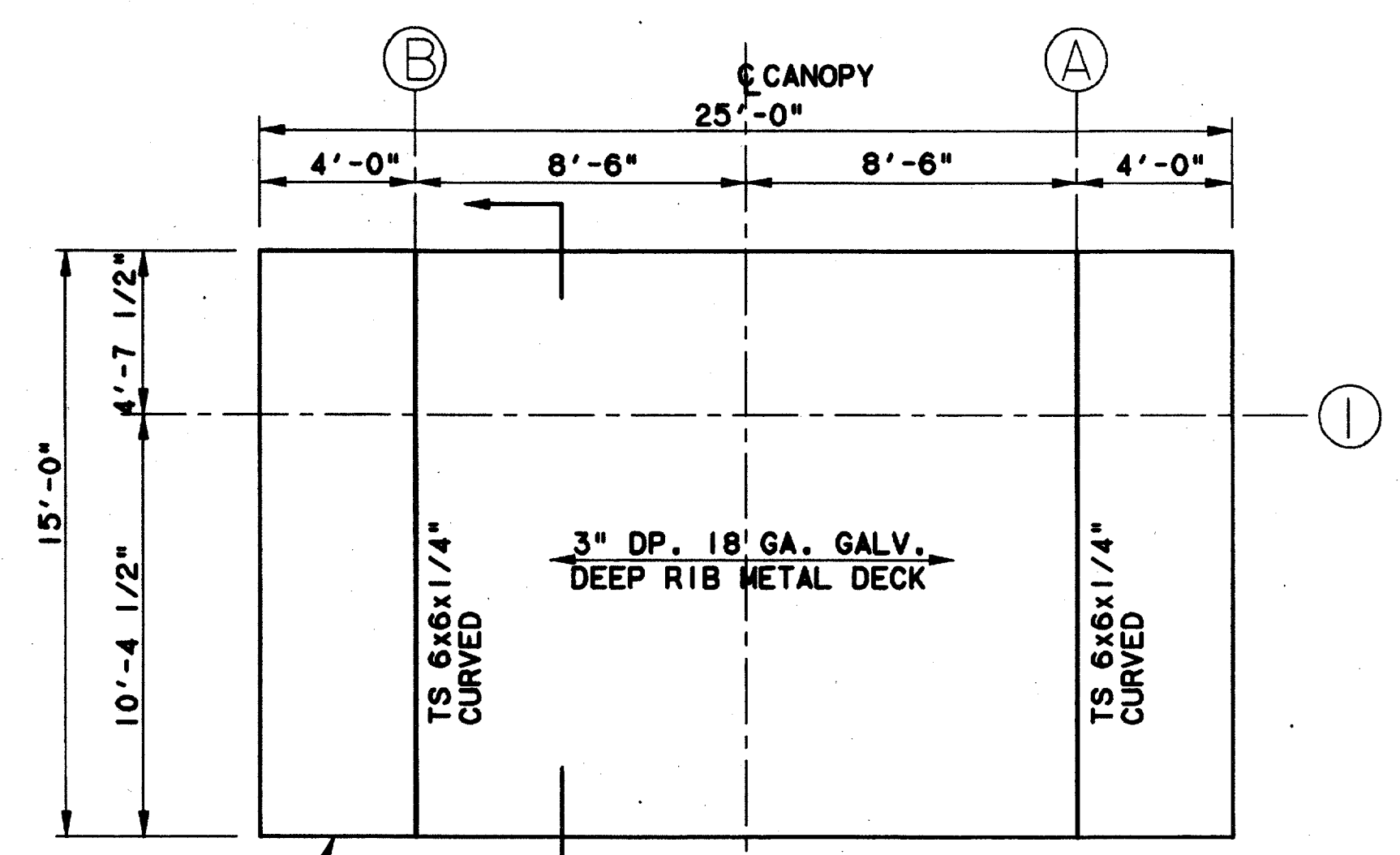
SCALE 1/4" = 1'-0"
 DRAWN V. BAND
 DESIGNED V. BAND
 CHECKED K. BURKHOLDER
 IN CHARGE V. STEVENS
 DATE 14 AUGUST 97

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

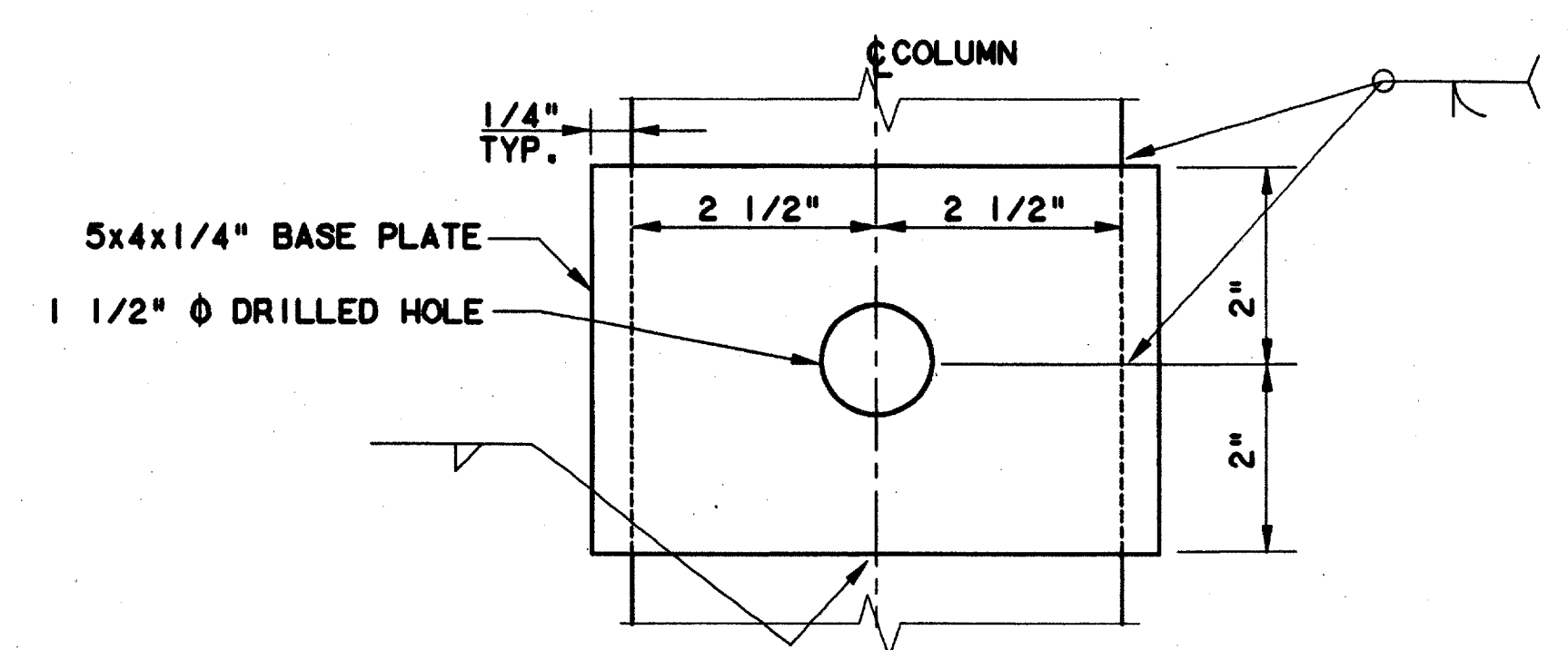
\$\$\$DGN\$SPECIFICATION\$\$\$
 \$\$\$SYTIME\$\$\$
 \$\$\$PRF\$\$\$
 \$\$\$USERNAME\$\$\$
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 \$\$\$FILE7\$\$\$
 \$\$\$FILE8\$\$\$
 \$\$\$FILE9\$\$\$
 \$\$\$FILE10\$\$\$
 \$\$\$FILE11\$\$\$
 \$\$\$FILE12\$\$\$
 \$\$\$FILE13\$\$\$
 \$\$\$FILE14\$\$\$
 \$\$\$FILE15\$\$\$
 \$\$\$FILE16\$\$\$
 \$\$\$FILE17\$\$\$
 \$\$\$FILE18\$\$\$
 \$\$\$FILE19\$\$\$
 \$\$\$FILE20\$\$\$



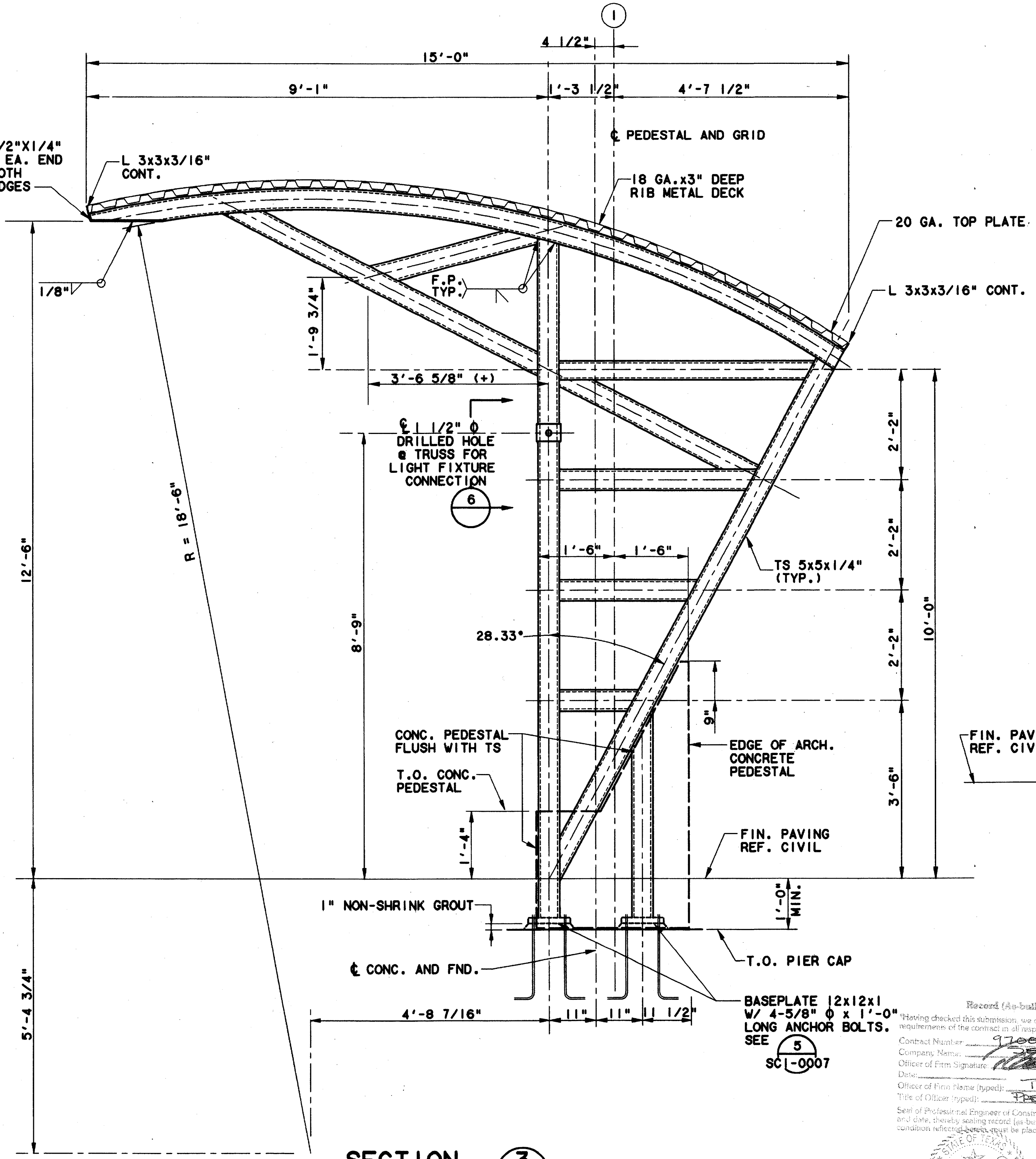
FOUNDATION PLAN 1
SCALE: 1/4"=1'-0"



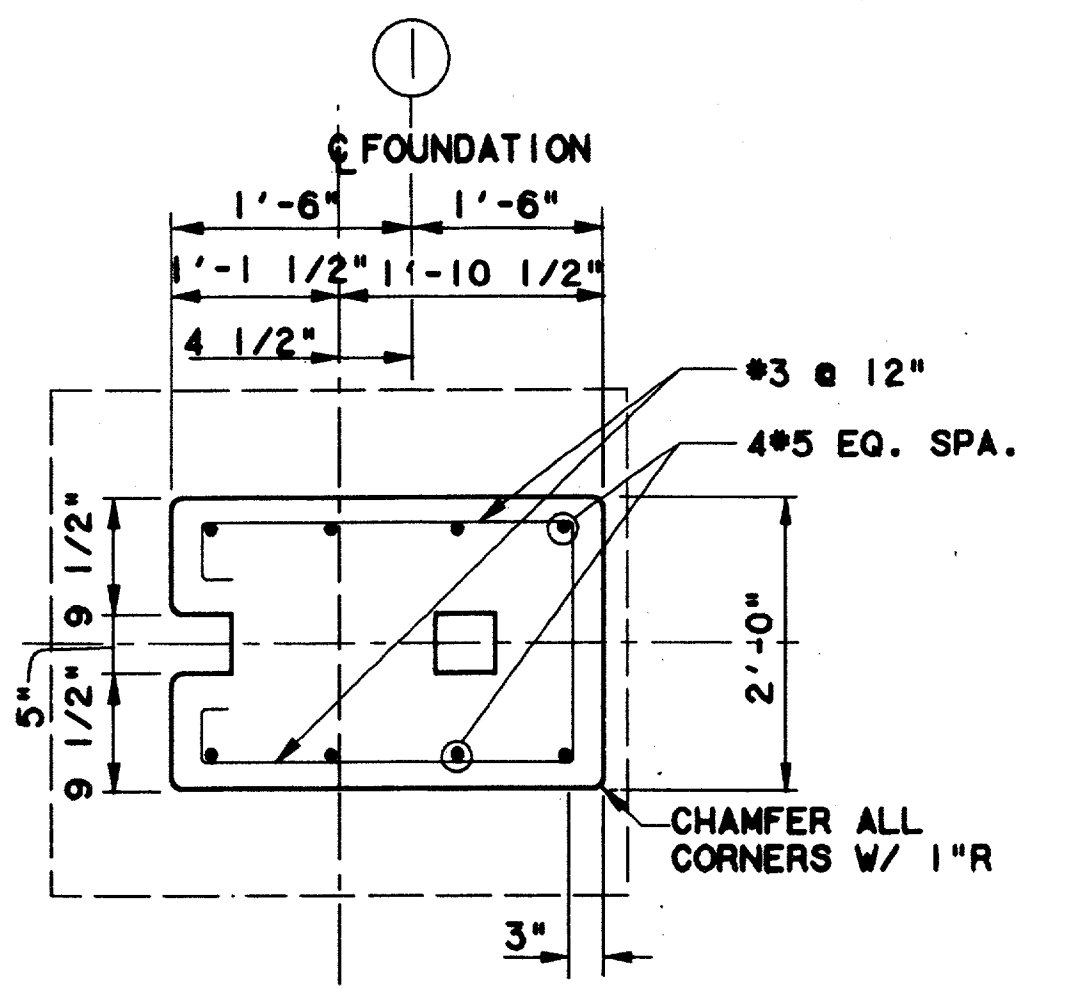
ROOF FRAMING PLAN 2
SCALE: 1/4"=1'-0"



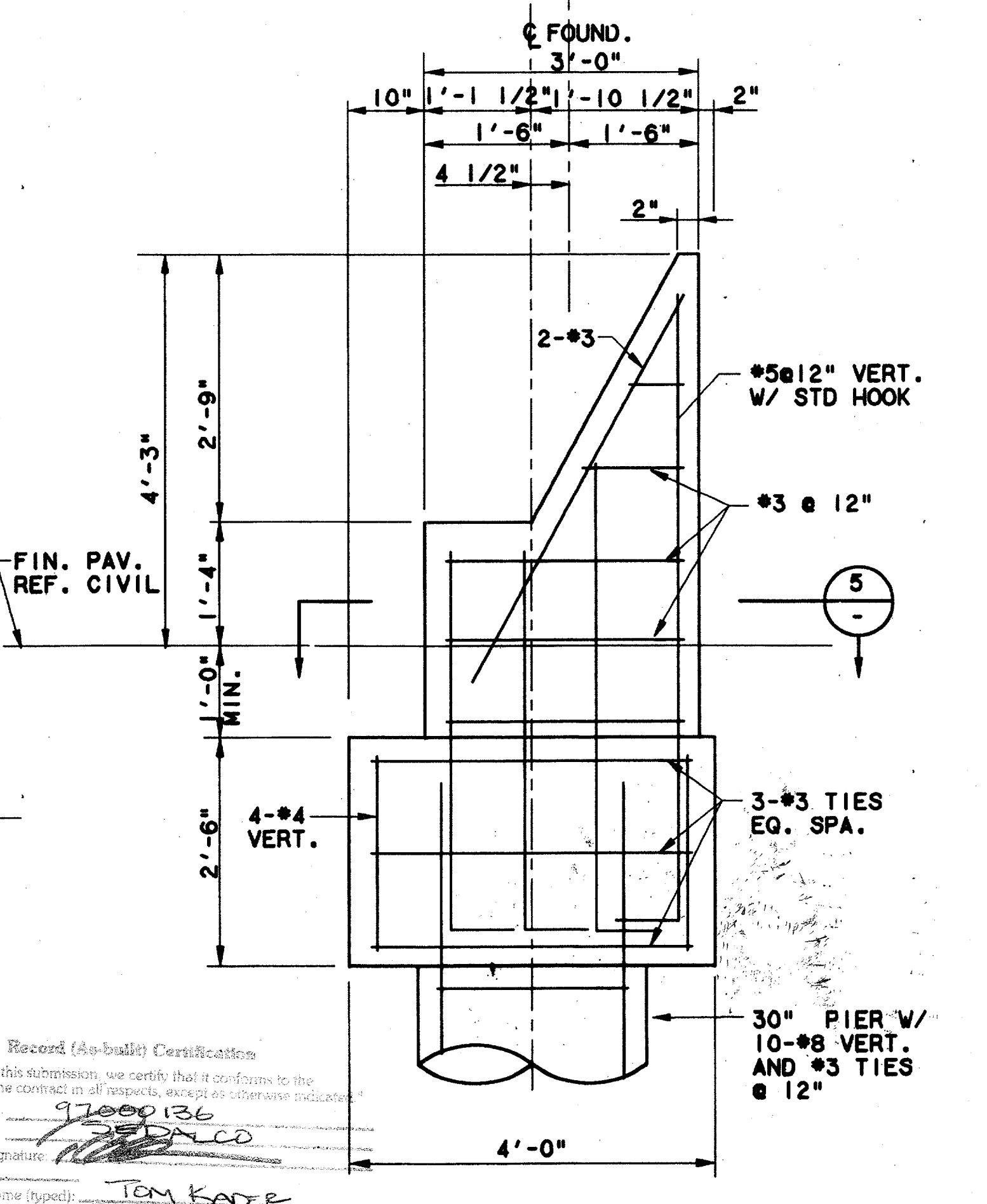
LIGHT FIXTURE BASEPLATE 6
SCALE: 1/4"=1'-0"



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



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

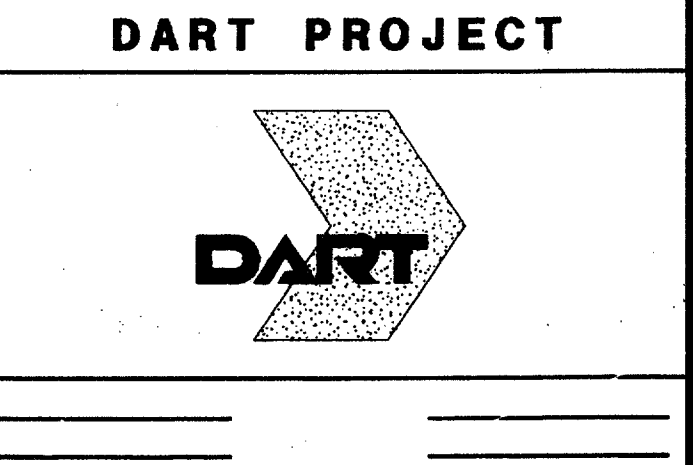
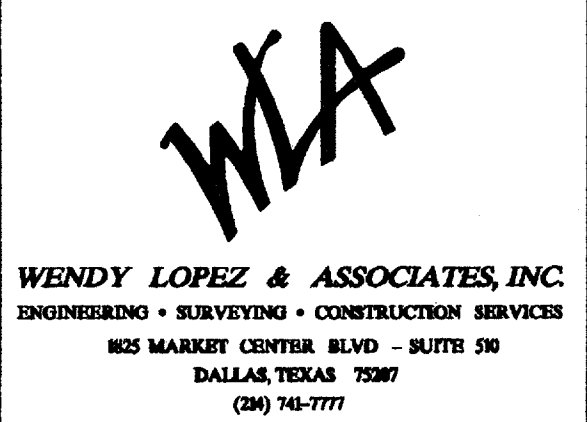
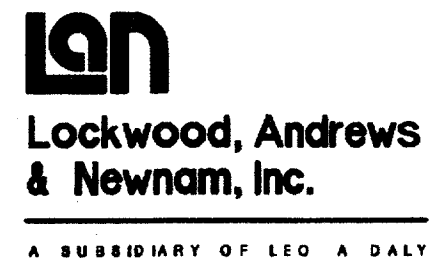
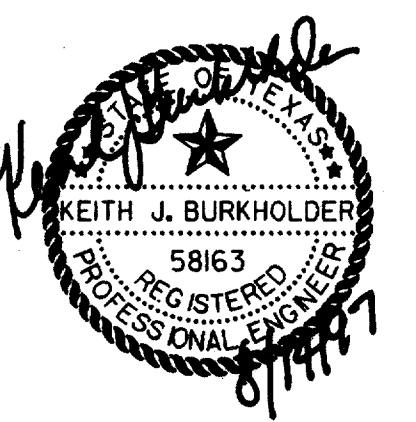


SECTION 4
SCALE: 3/4"=1'-0"

CONFORMED

CONTRACT SHEET No. 79 OF 95

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



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

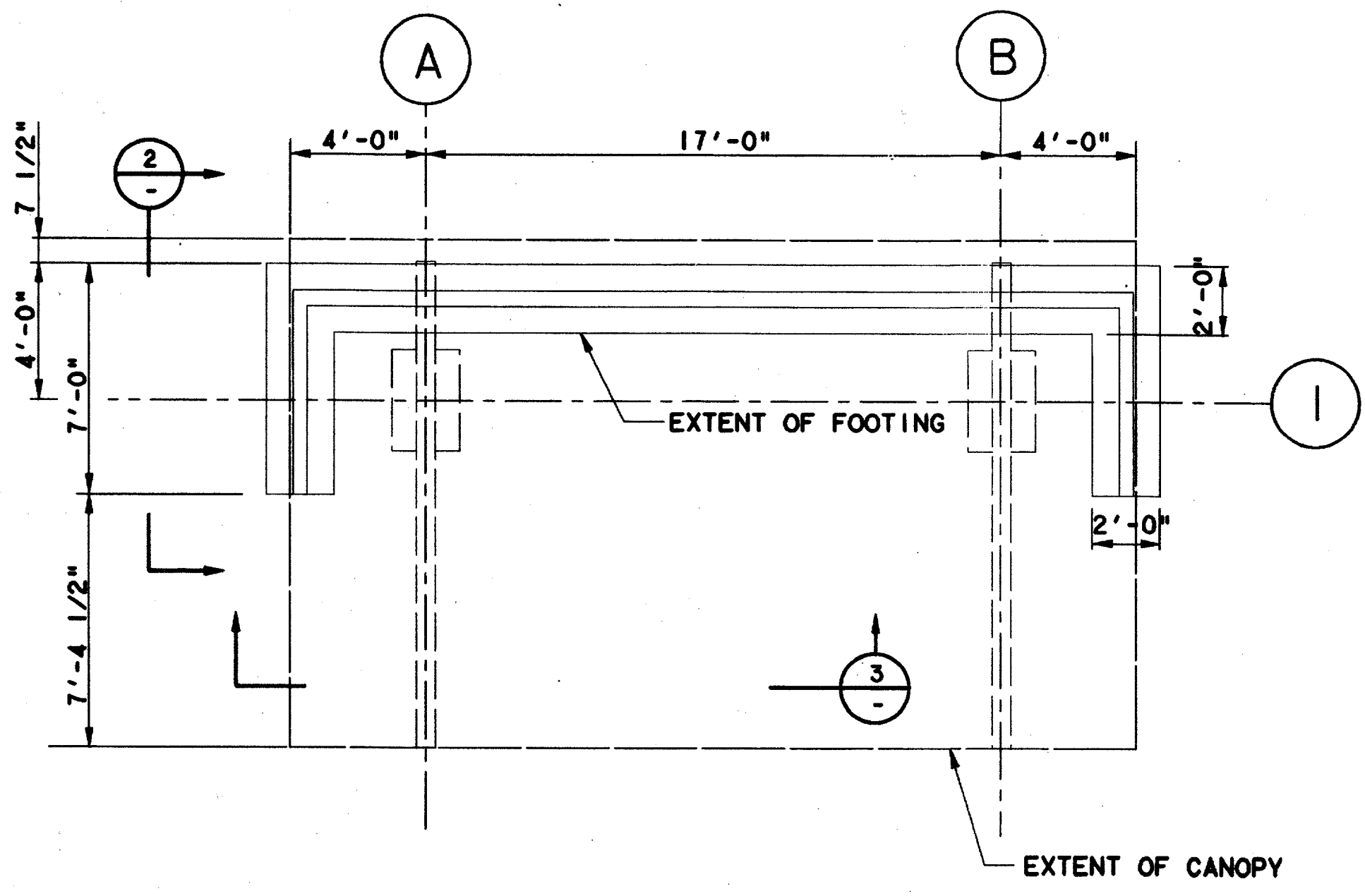
ADDISON TRANSIT CENTER		CANOPY FOUNDATION AND FRAMING PLAN	
CONTRACT	C-97000136	DWG No.	SCI-0008
REV	0		

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]
 Officer of Firm Signature: [Signature]
 Date: [Signature]
 Officer of Firm Name (typed): TOM KAEP
 Title of Officer (typed): PRESIDENT

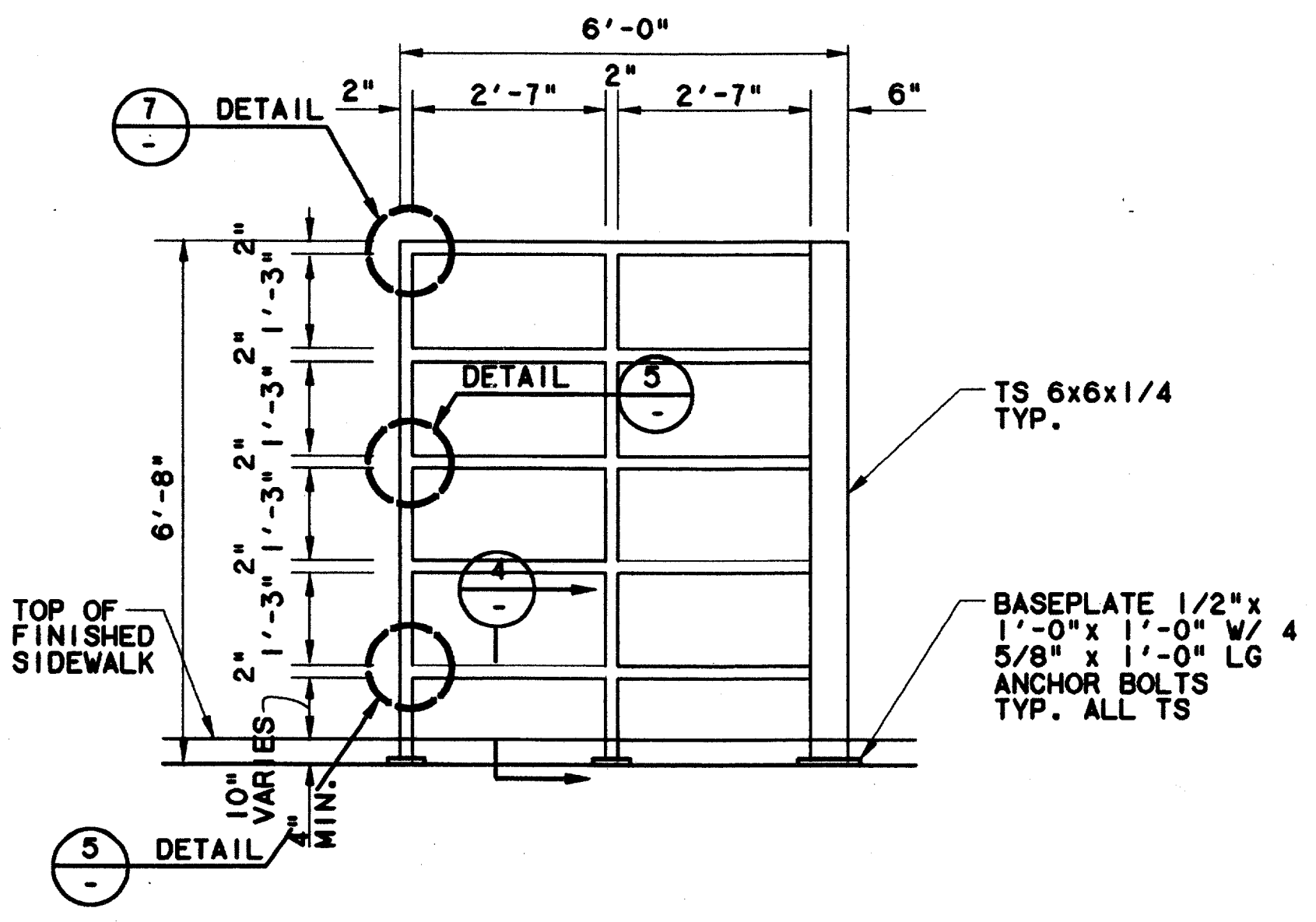


\$\$\$DGN\$\$\$SPECIFICATION\$
 \$\$\$SYTIME\$\$\$
 \$\$\$PRF\$\$\$
 \$\$\$USERNAME\$\$\$
 \$\$\$PRF ROT\$\$\$
 \$\$\$PEN\$\$\$
 \$\$\$ILE6\$\$\$
 \$\$\$ILE7\$\$\$
 \$\$\$ILE8\$\$\$
 \$\$\$ILE9\$\$\$
 \$\$\$ILE10\$\$\$
 \$\$\$ILE1\$\$\$
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 \$\$\$ILE3\$\$\$
 \$\$\$ILE4\$\$\$
 \$\$\$ILE5\$\$\$

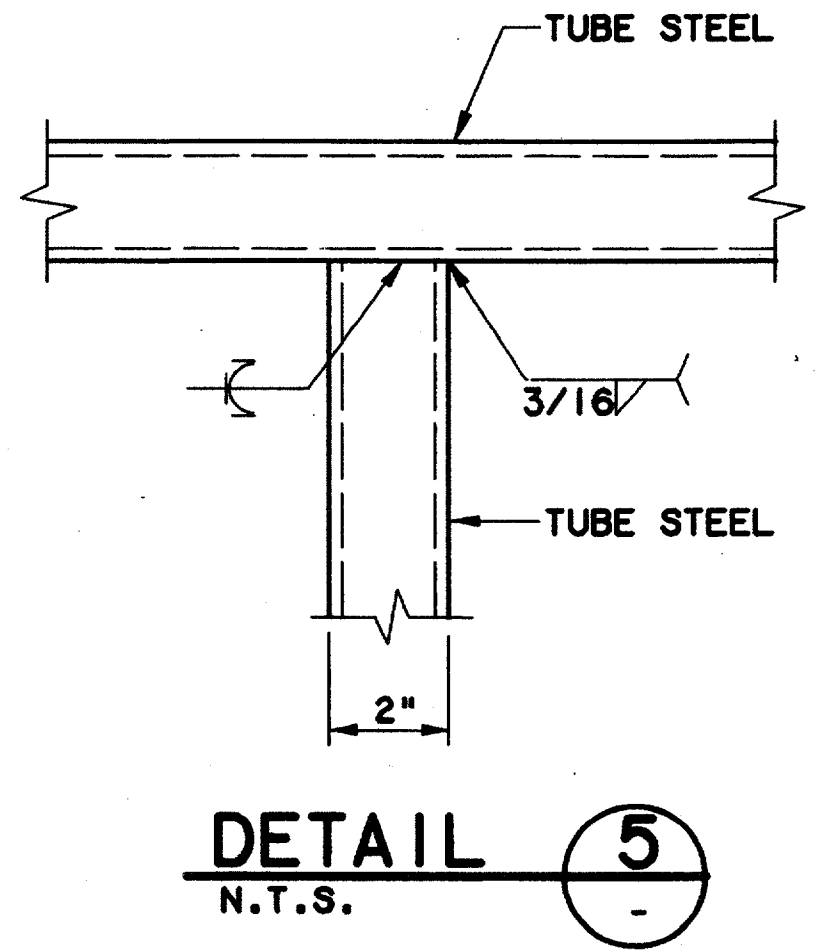
6000-1CS ON 9AD



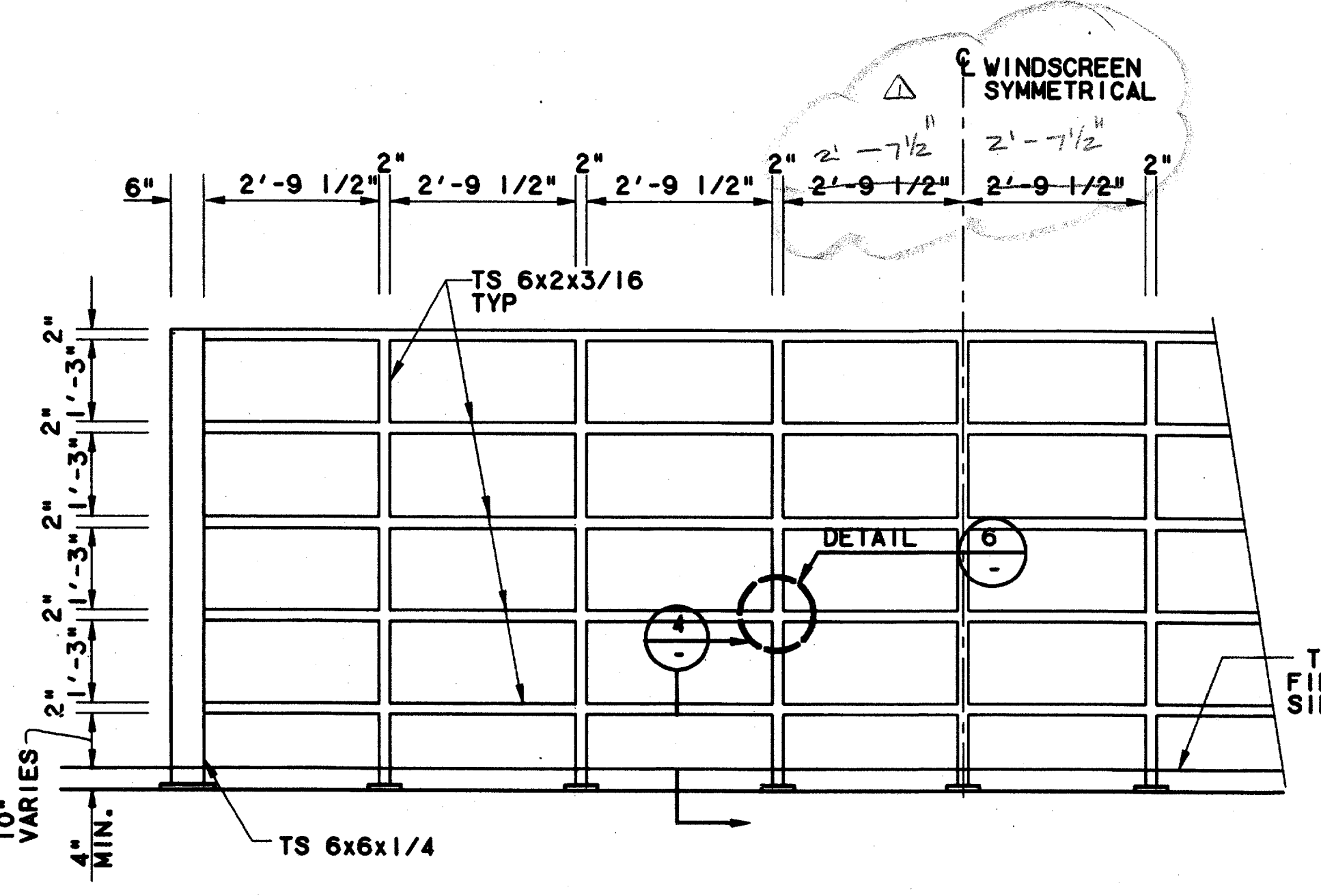
PLAN
SCALE: 1/4"=1'-0"



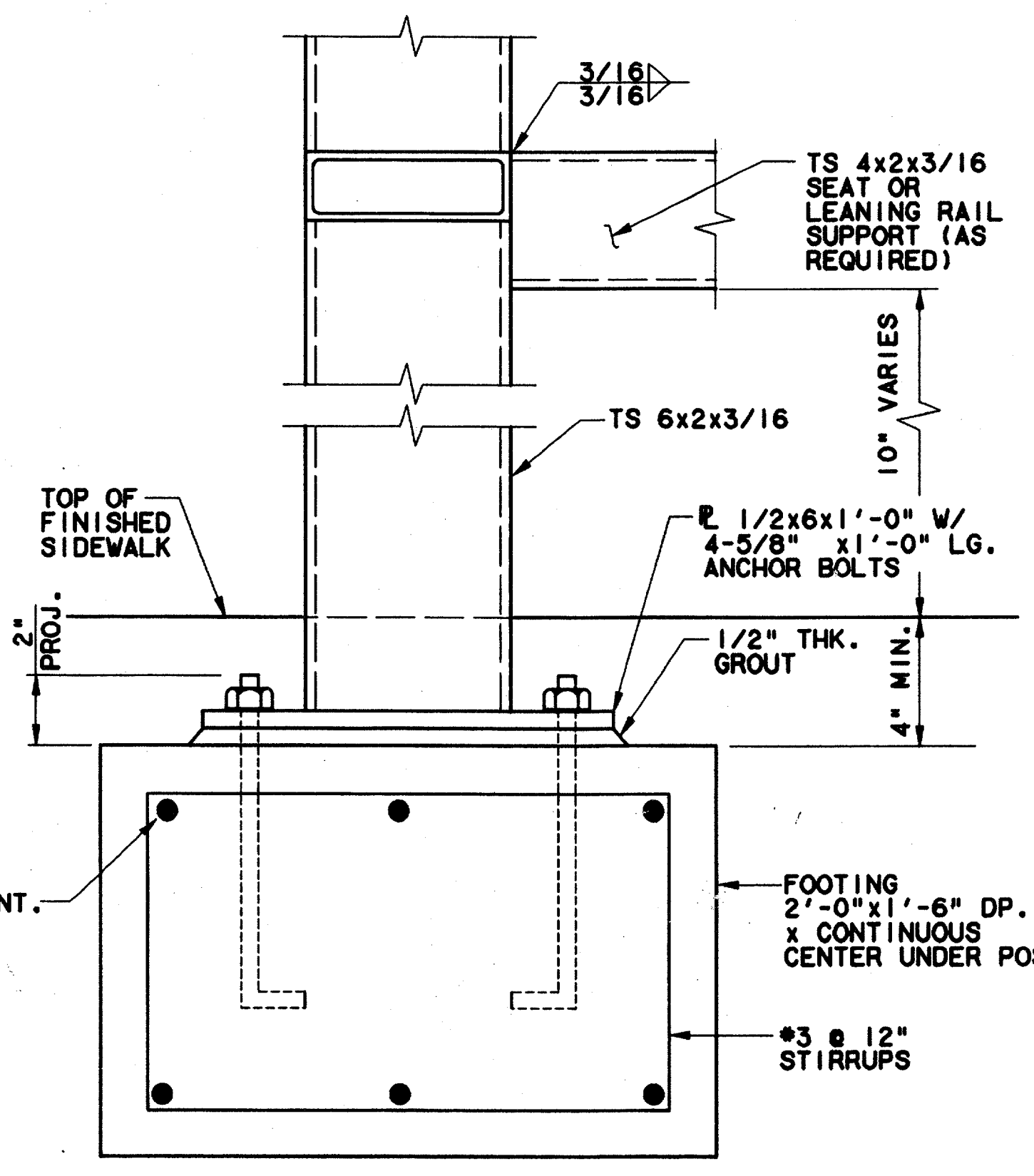
ELEVATION 2
SCALE: 1/2"=1'-0"



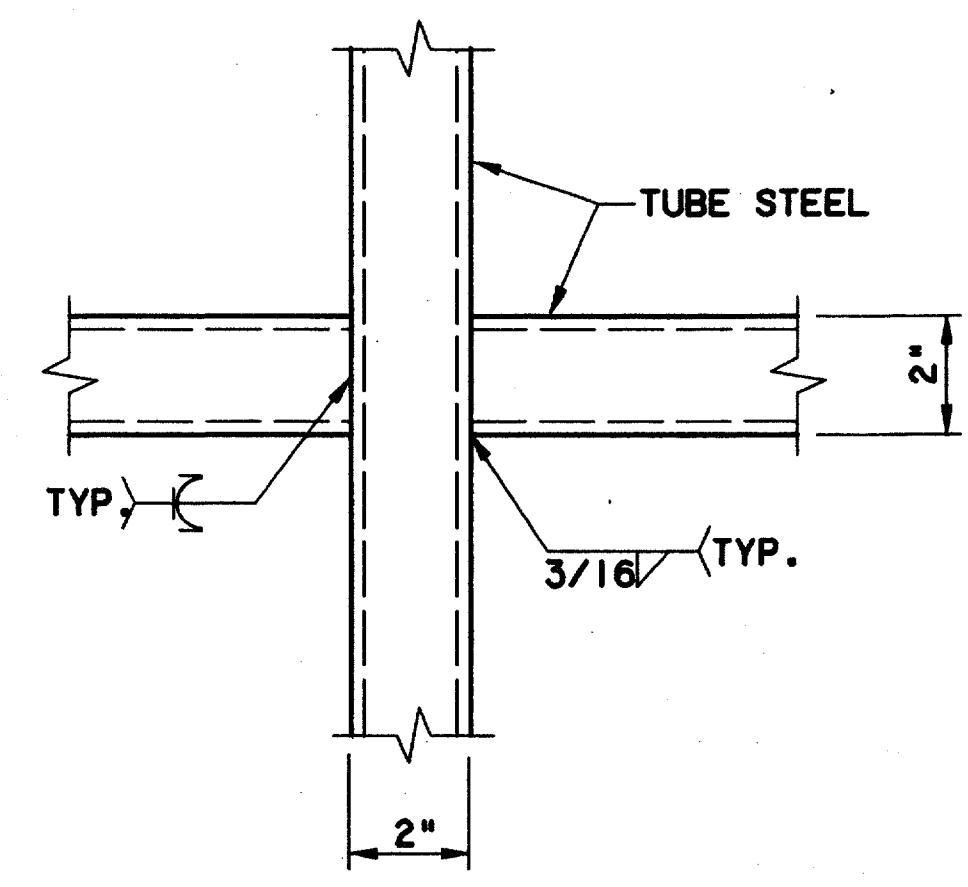
DETAIL 5
N.T.S.



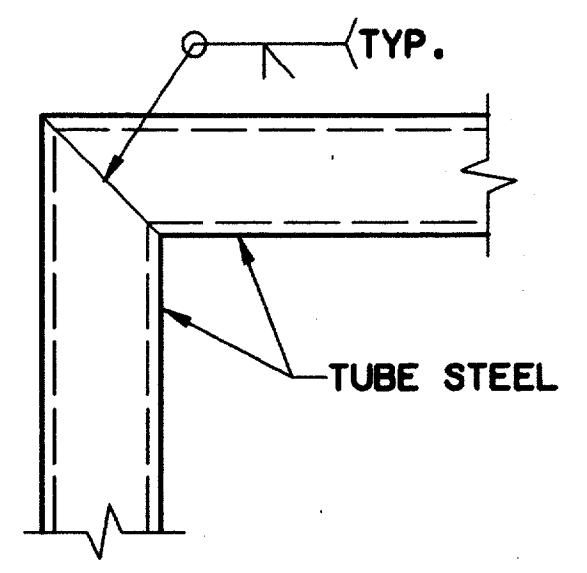
ELEVATION 3
SCALE: 1/2"=1'-0"



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



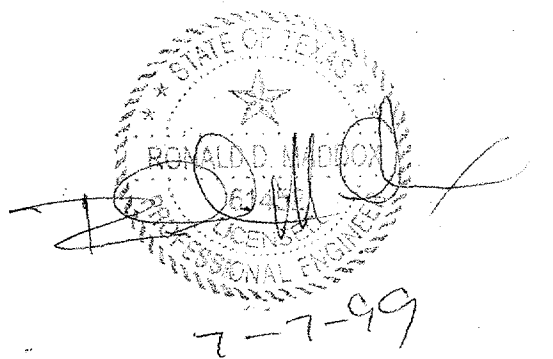
DETAIL 6
N.T.S.



DETAIL 7
N.T.S.

- NOTES:**
- SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND CONFIGURATION OF WINDSCREENS.
 - 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: WLA
 Office of Firm Signature: [Signature]
 Date: 7-7-99
 Title of Officer: JIM KADER, PRESIDENT

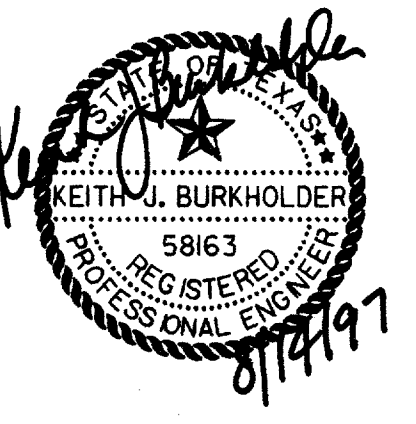


CONFORMED

CONTRACT SHEET No. 80 OF 95

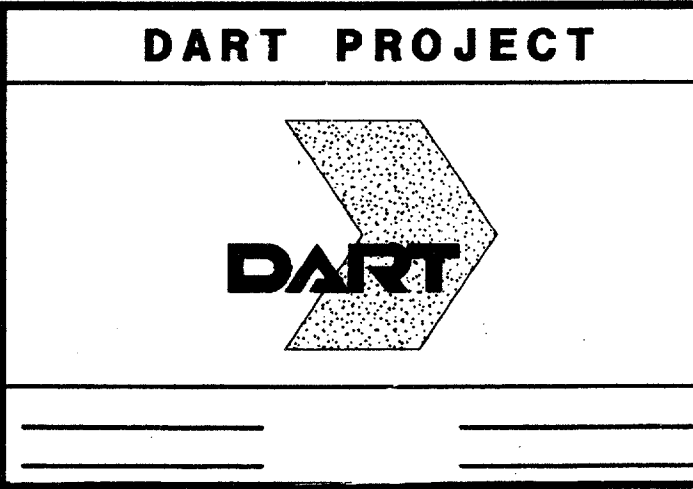
**ADDISON
TRANSIT CENTER**
CANOPY WINDSCREEN DETAILS

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



L&N
 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) 746-7777



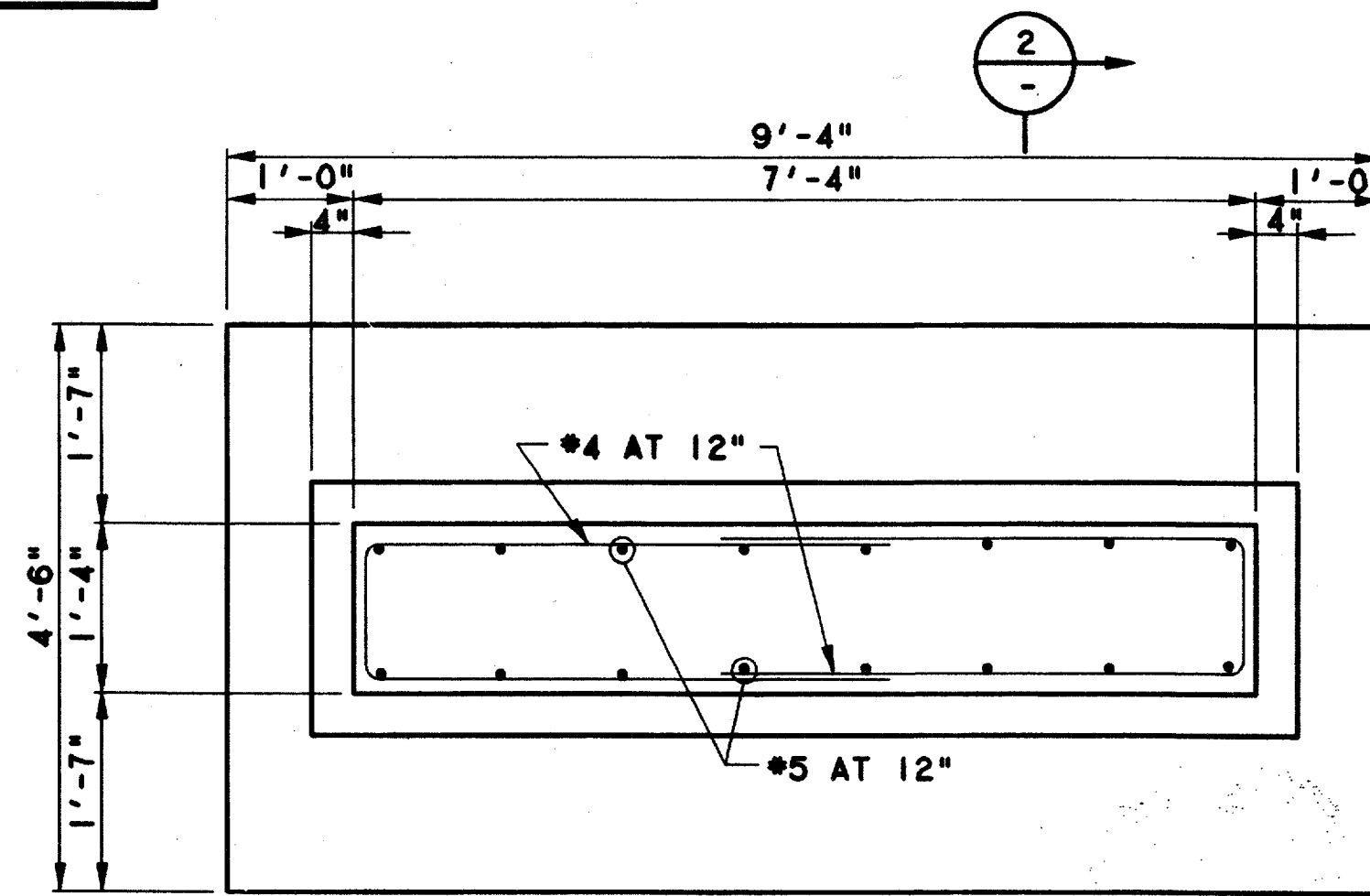
SCALE	AS NOTED
DRAWN	V. BAND
DESIGNED	V. BAND
CHECKED	K. BURKHOLDER
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97



CONTRACT C-97000136

DWG No. SCI-0009

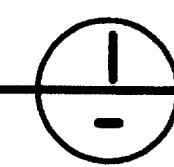
REV 01



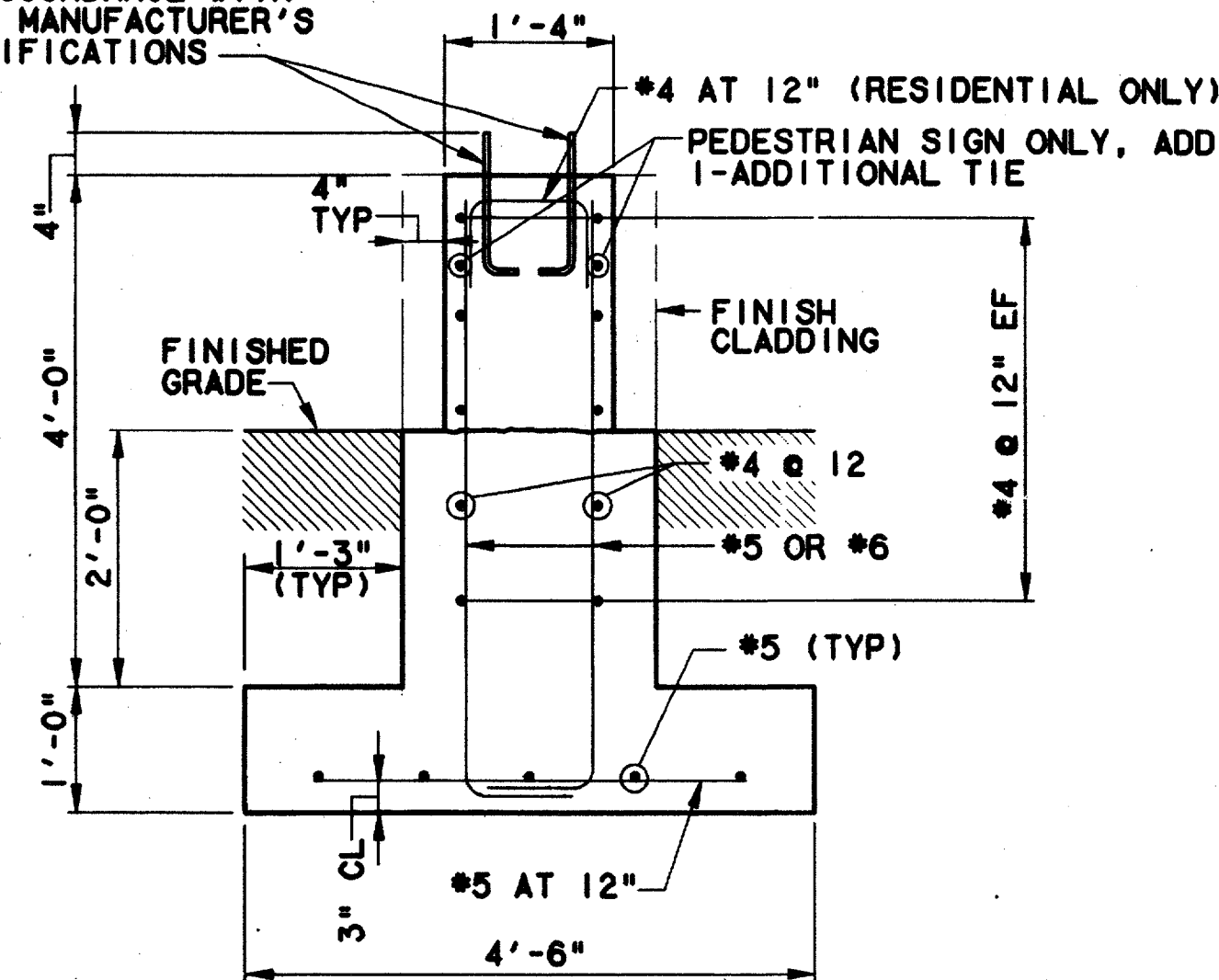
PLAN

RESIDENTIAL ZONE SITE SIGN SUPPORT DETAIL

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



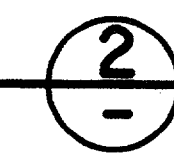
3/4" DIA x 1'-4" HOOK ANCHOR BOLT, LOCATE IN ACCORDANCE WITH SIGN MANUFACTURER'S SPECIFICATIONS



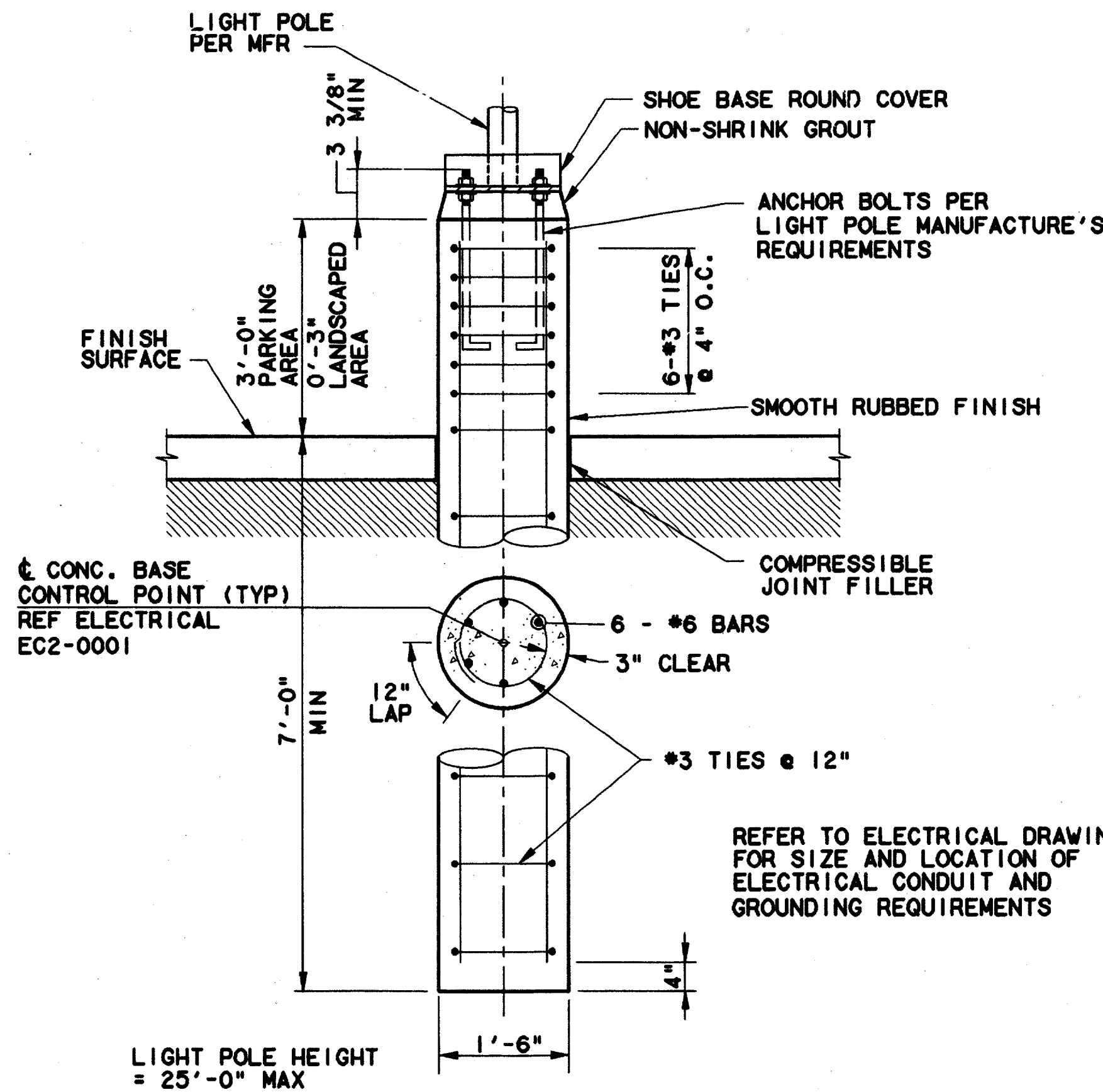
SECTION

RESIDENTIAL ZONE SITE SIGN SUPPORT DETAIL

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

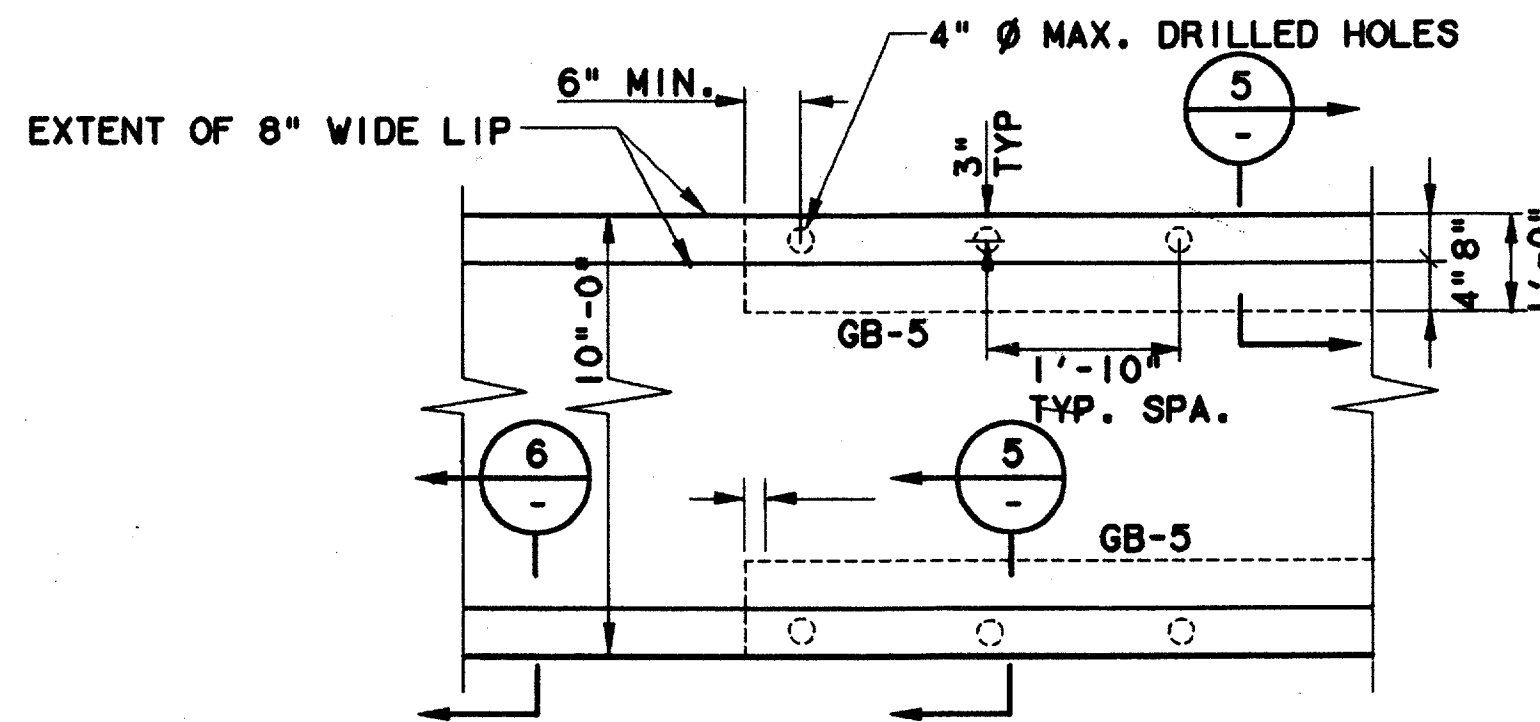
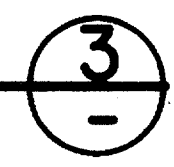


NOTE: MAX 10'-0" FROM TOP OF GRADE TO TOP OF SIGN.



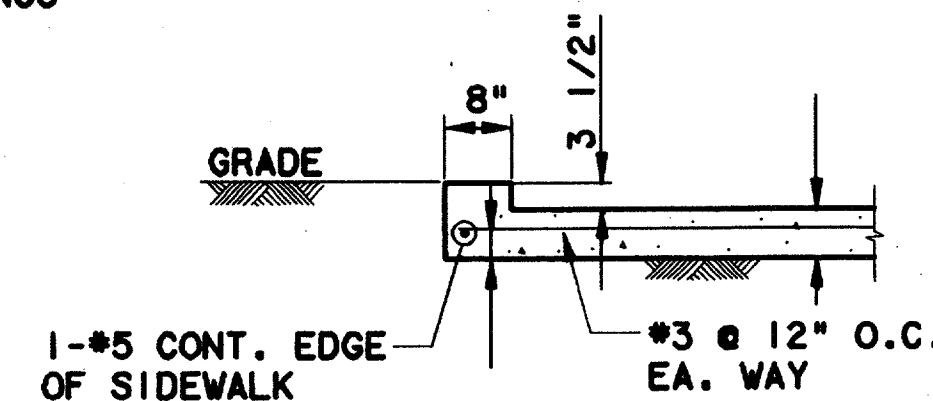
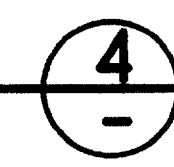
DETAIL-LIGHT POLE FOUNDATION

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



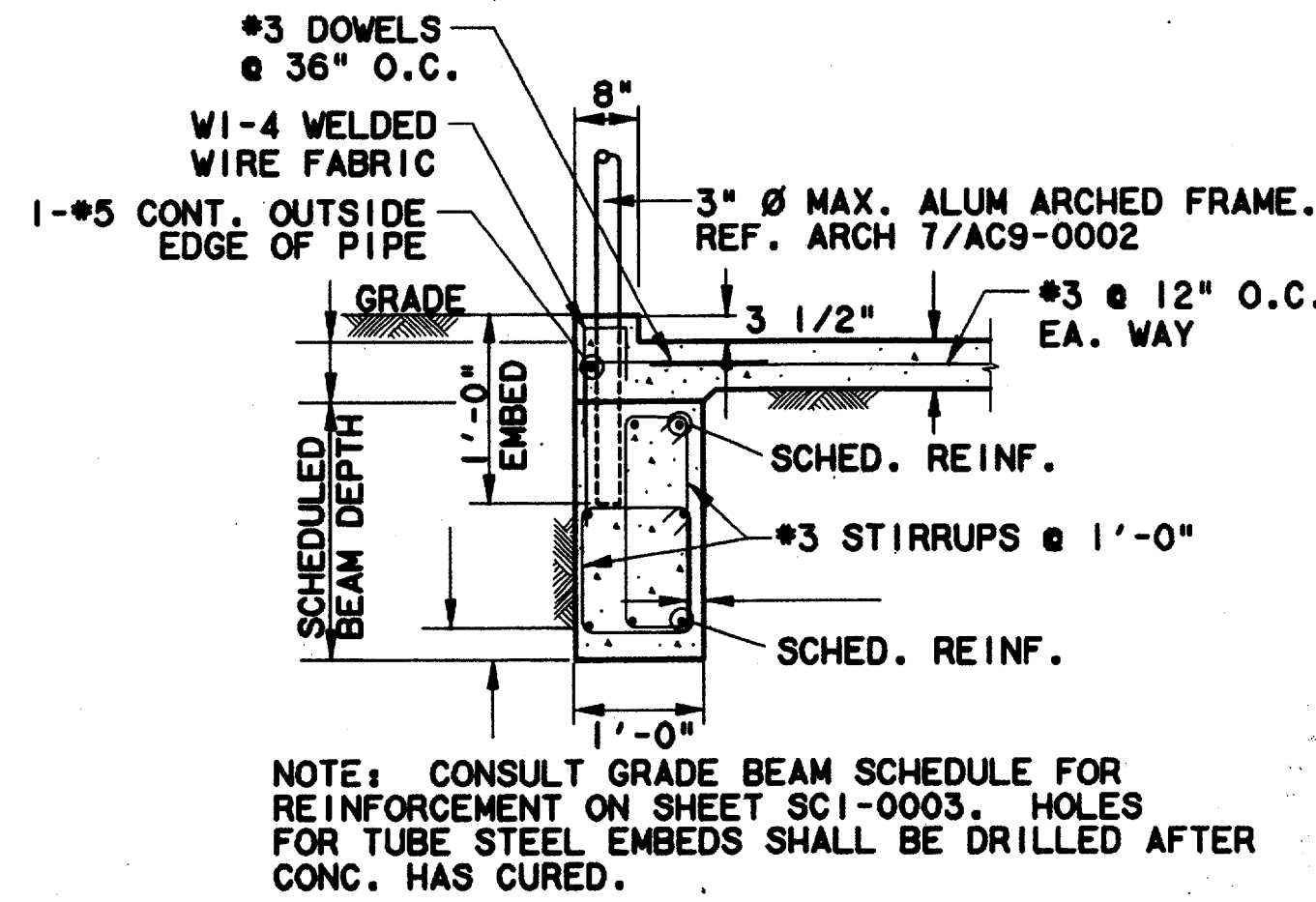
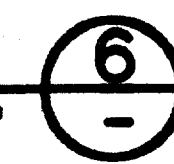
ARBOR PLAN

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



SECTION

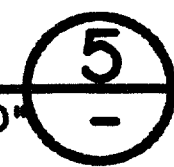
SCALE: 3/4"=1'-0"



NOTE: CONSULT GRADE BEAM SCHEDULE FOR REINFORCEMENT ON SHEET SC1-0003. HOLES FOR TUBE STEEL EMBEDS SHALL BE DRILLED AFTER CONC. HAS CURED.

SECTION

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



NOTES:

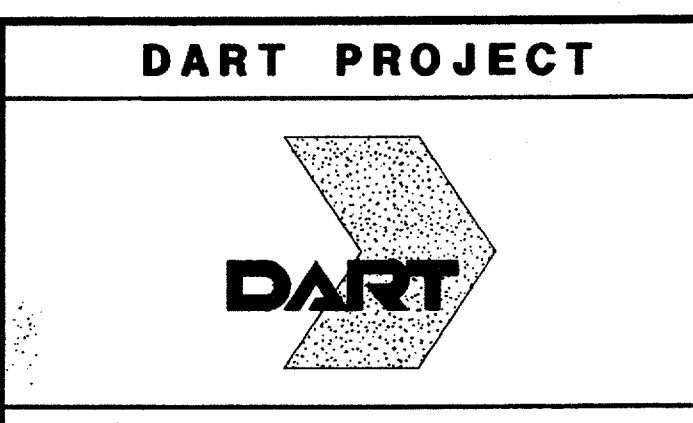
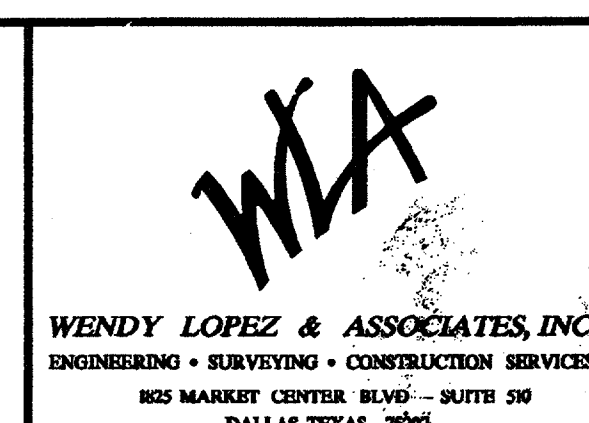
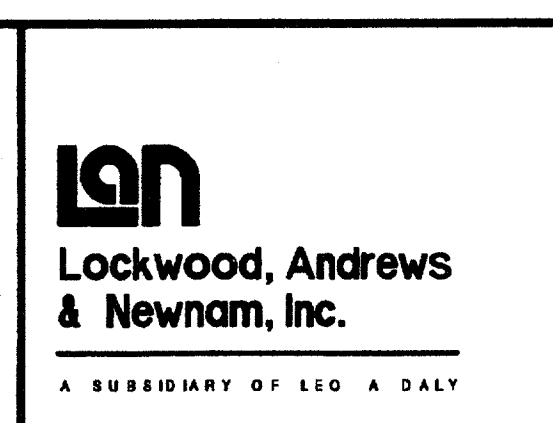
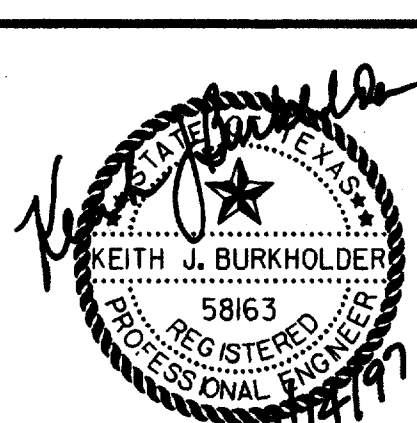
1. MINIMUM ALLOWABLE SOIL PRESSURE 2 KSF
2. CONCRETE: MIX B-1 (CLASS 4000)
3. REINFORCING: CONFORM TO ASTM A615 GRADE 60. CHAMFER ALL EXPOSED EDGES 3/4".
4. COORDINATE WITH SIGNAGE AND ELECTRICAL DRAWINGS FOR LOCATION OF ANCHOR BOLTS, CONDUIT SIZE, CONDUIT LOCATION, ETC.
5. COMPACT BACKFILL AROUND SIGN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

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
Officer of Firm Signature: JIM KADER
Date: 7-7-99
Title of Officer (typed): PRESIDENT
Send of Professional Engineer of Construction Contract, including signature and date, thereby sealing record (as-built) drawings for accuracy of as-built condition reflected herein, must be placed below.

CONFORMED

CONTRACT SHEET No. 81 OF 95

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

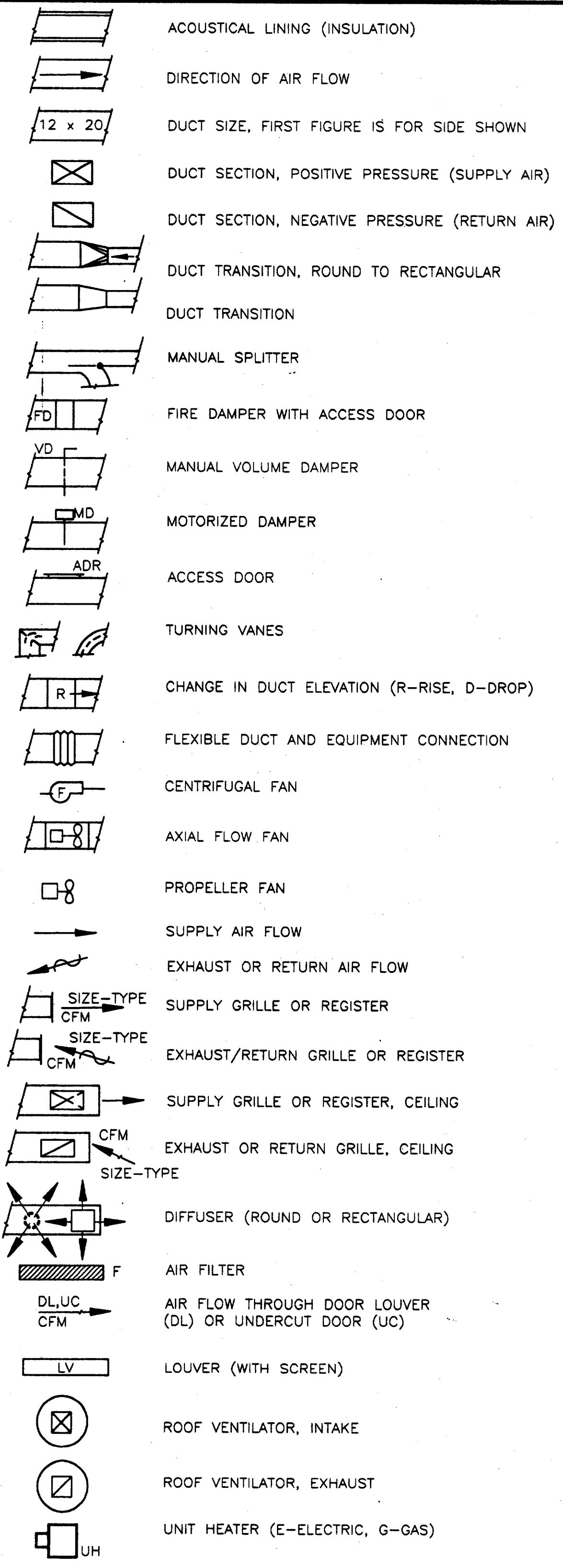


SCALE	AS NOTED
DRAWN	P.R. HARBON
DESIGNED	V. BAND
CHECKED	K. BURKHOLDER
IN CHARGE	V. STEVENS
DATE	14 AUGUST 97

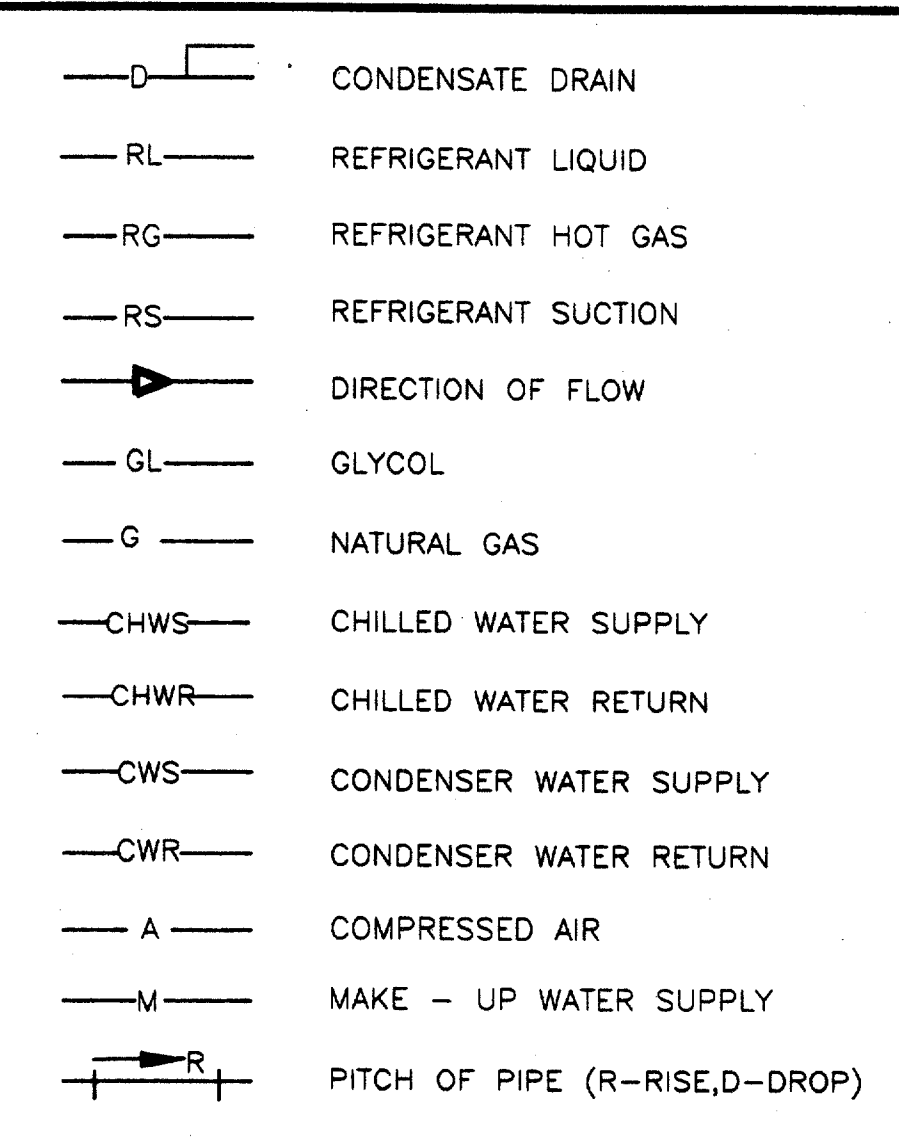
ADDISON TRANSIT CENTER	
SIGN, LIGHT POLE, AND MISC. SUPPORT DETAILS	
CONTRACT C-97000136	DWG No. SC1-0010
REV 0	

\$\$\$SYTIME\$\$\$\$\$
 \$\$\$PRF\$\$\$
 \$\$\$PEN\$\$\$
 \$\$\$USERNAME\$\$\$
 \$\$\$PRF ROT\$\$\$
 \$\$\$PRF\$\$\$
 \$\$\$PEN\$\$\$
 \$\$\$USERNAME\$\$\$
 \$\$\$FILE7\$\$\$
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 \$\$\$FILE9\$\$\$
 \$\$\$FILE10\$\$\$
 \$\$\$FILE1\$\$\$
 \$\$\$FILE2\$\$\$
 \$\$\$FILE3\$\$\$
 \$\$\$FILE4\$\$\$
 \$\$\$FILE5\$\$\$

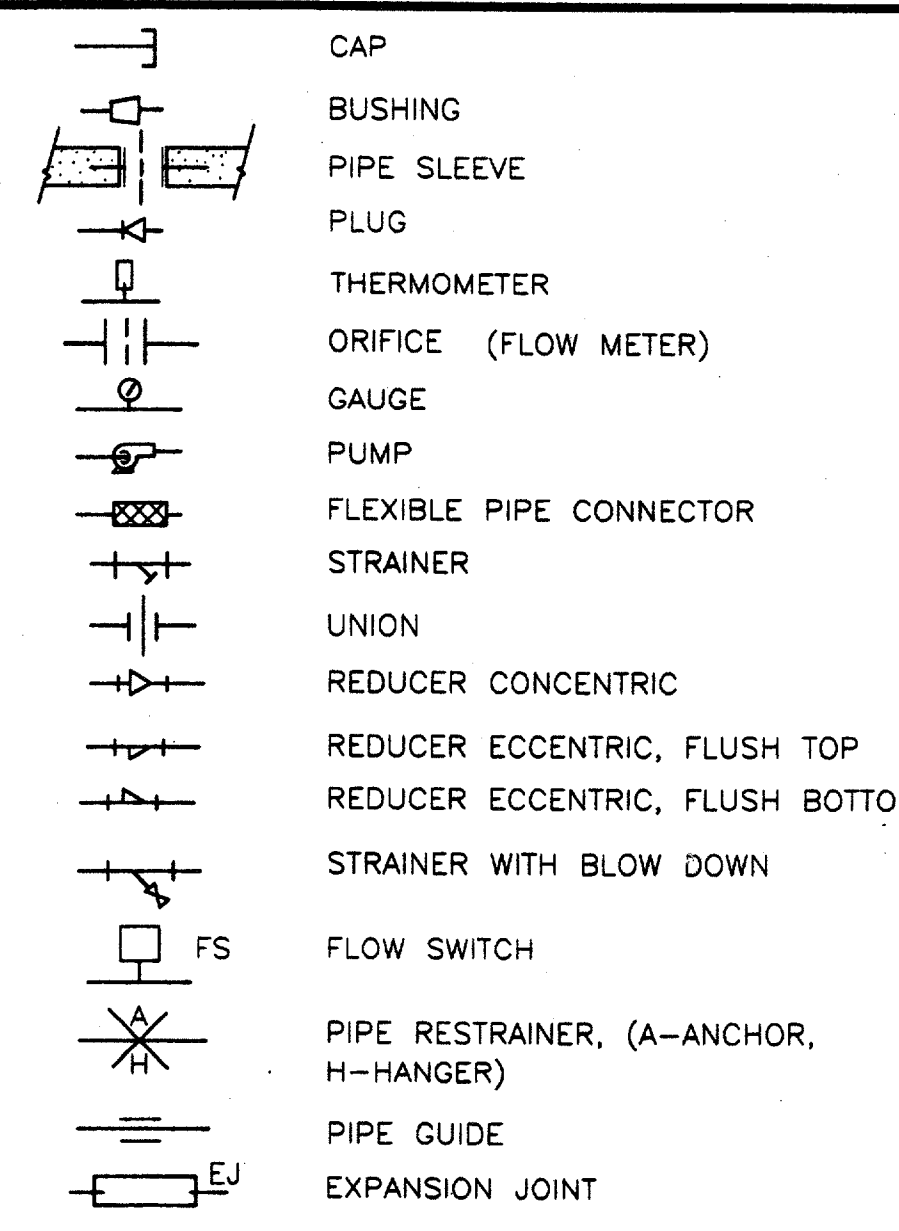
DUCTWORK



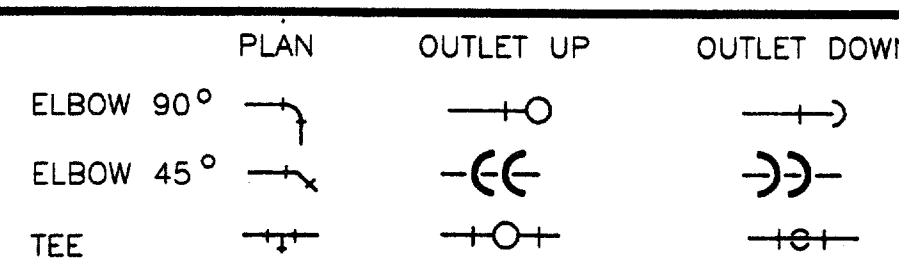
PIPING



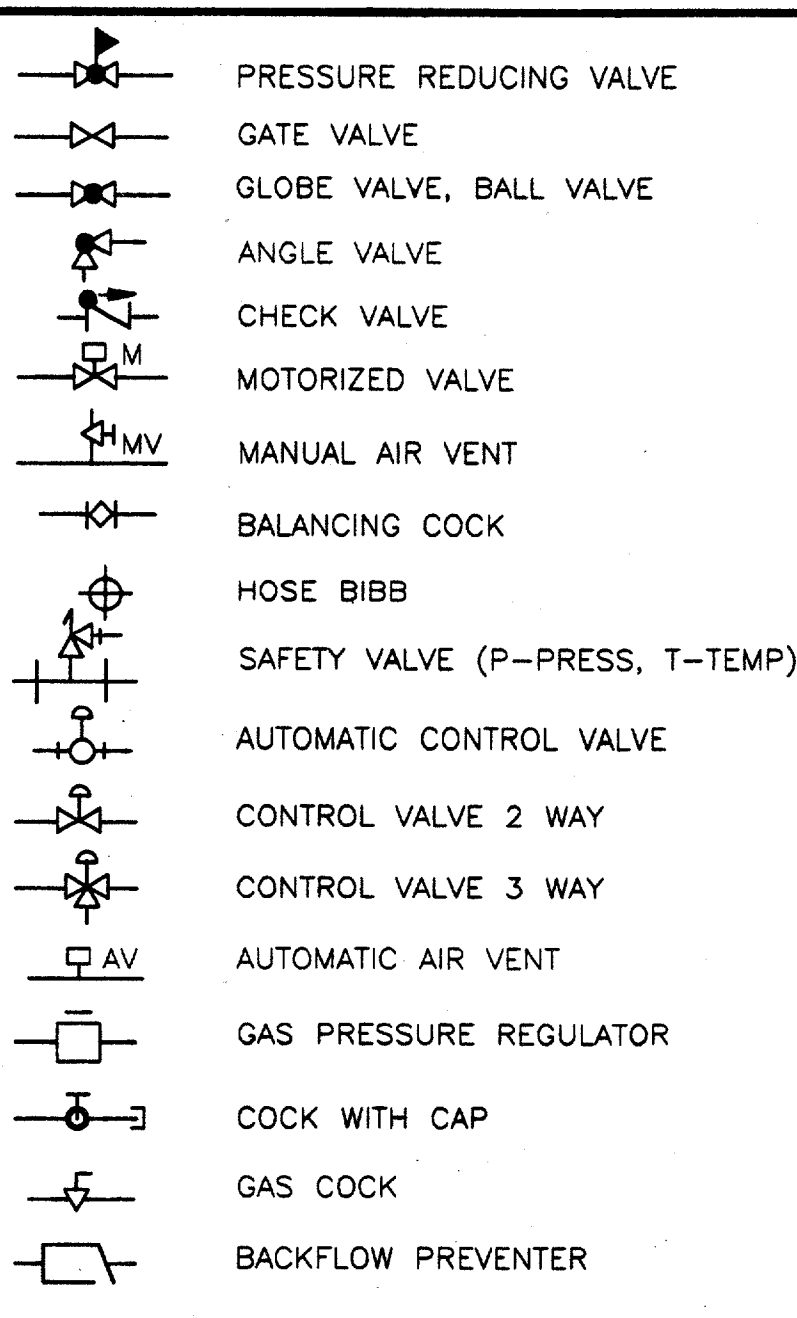
PIPE SPECIALTIES



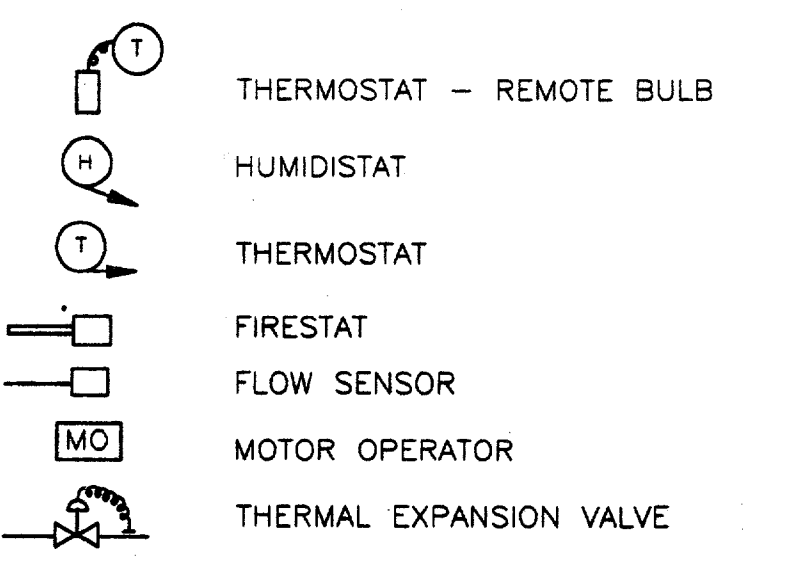
FITTINGS



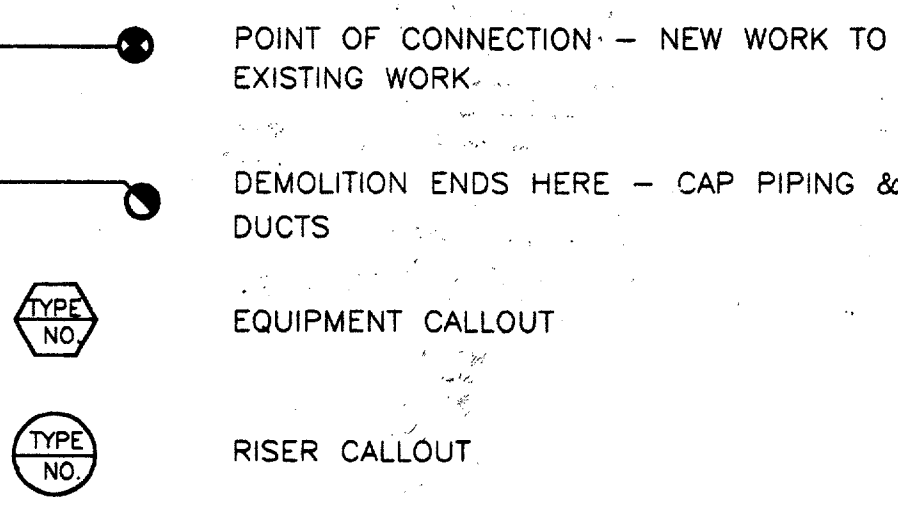
VALVES



AUTOMATIC TEMPERATURE CONTROLS



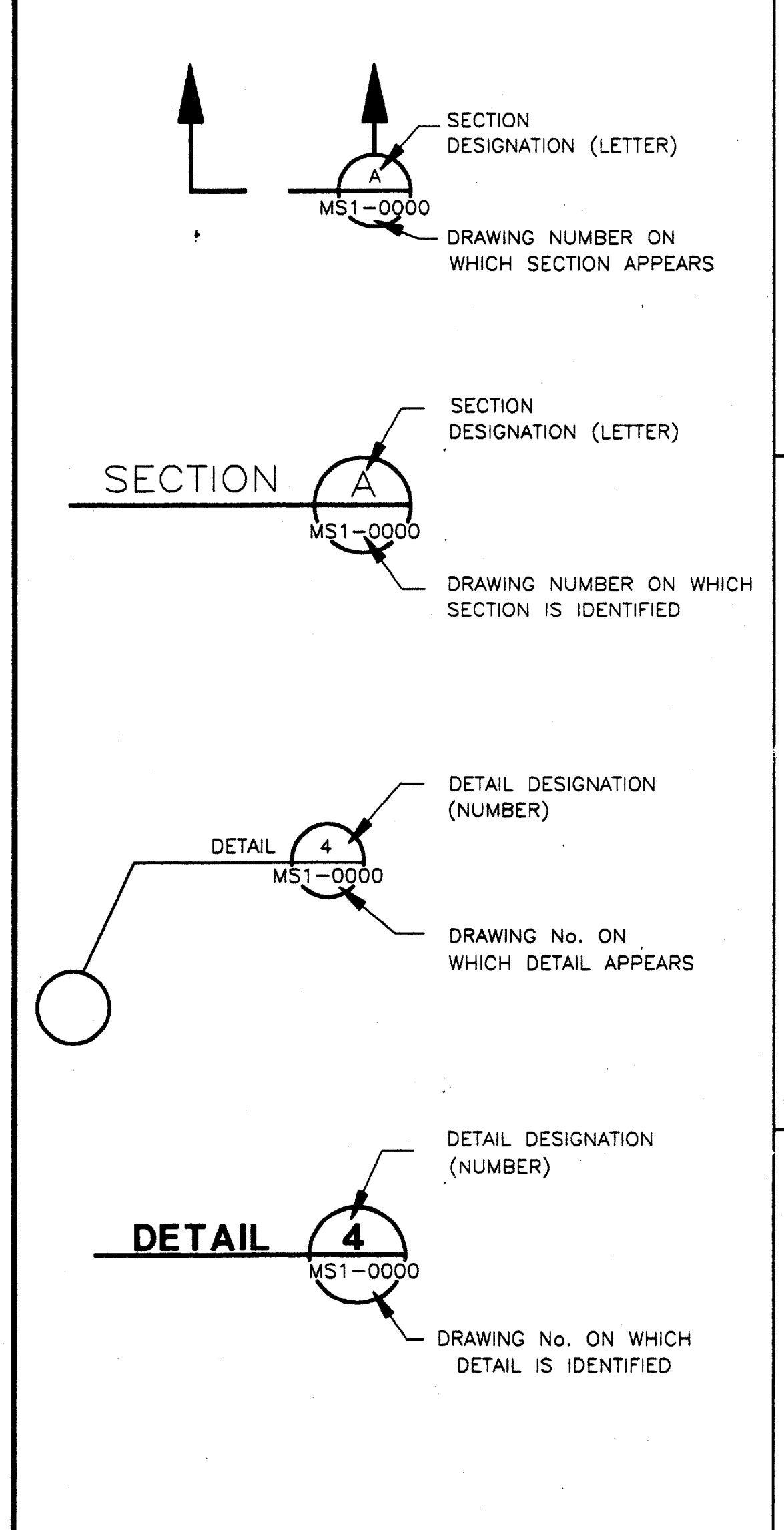
GENERAL



ABBREVIATIONS

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

DETAIL AND SECTION DESIGNATION



GENERAL NOTES:

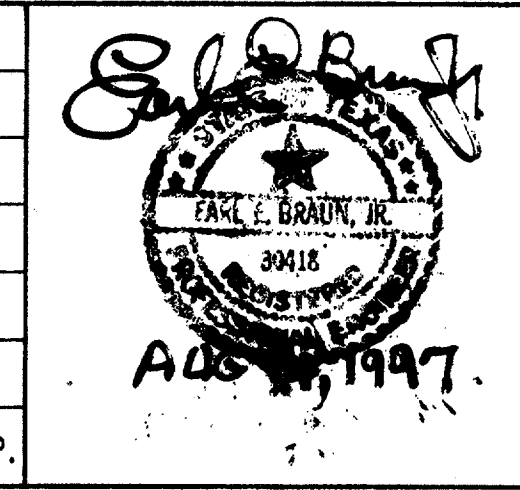
- SYMBOLS AND ABBREVIATIONS SHOWN HERE MAY INCLUDE ITEMS WHICH ARE NOT PART OF THIS CONTRACT.

Contract Number: 7700136
Company Name: WEA
Chief of Firm Signature: *[Signature]*
Title of Officer: **TOM KADER** PRESIDENT

CONFORMED

CONTRACT SHEET No. 82 of 95

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△					△								
△					△								
△					△								
△					△								
△					△								
△					△								
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
205 MARKET CENTER BLVD - SUITE 510
DALLAS, TEXAS 75207
(214) 746-7777

DART PROJECT

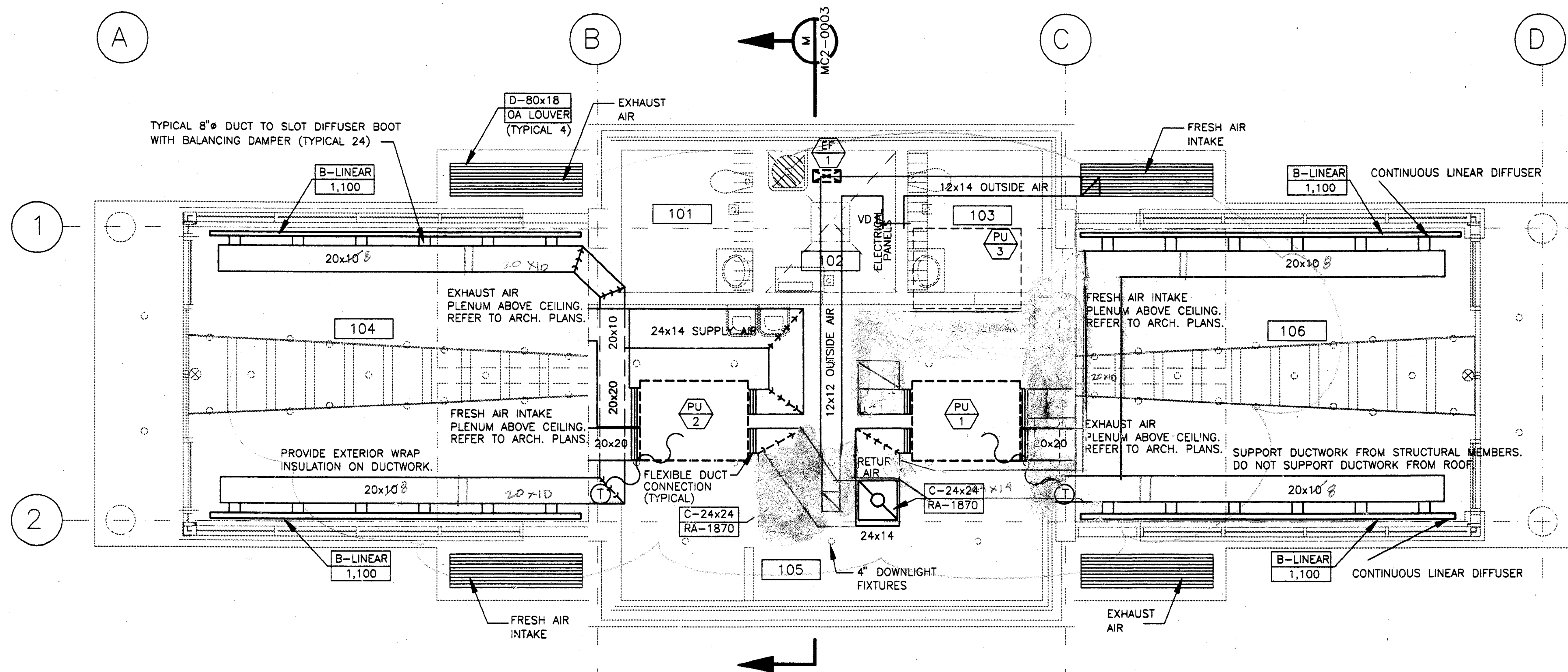
SCALE: NO SCALE

DRAWN	P. JACKSON
DESIGNED	E. BRAUN
CHECKED	W. GERARD
IN CHARGE	V. STEVENS
DATE:	14-AUG-97

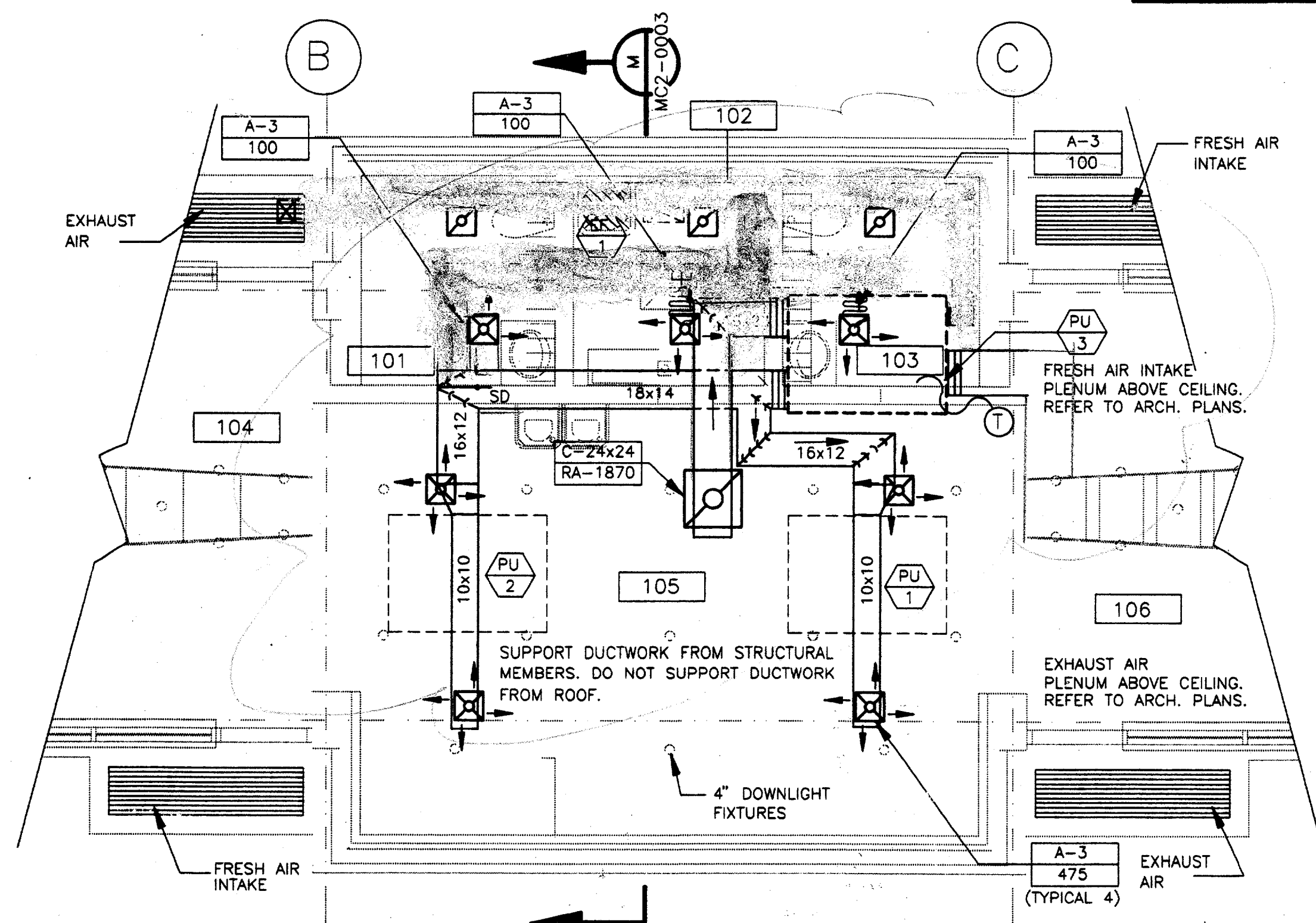
ADDISON TRANSIT CENTER

MECHANICAL STANDARDS ABBREVIATIONS & SYMBOLS

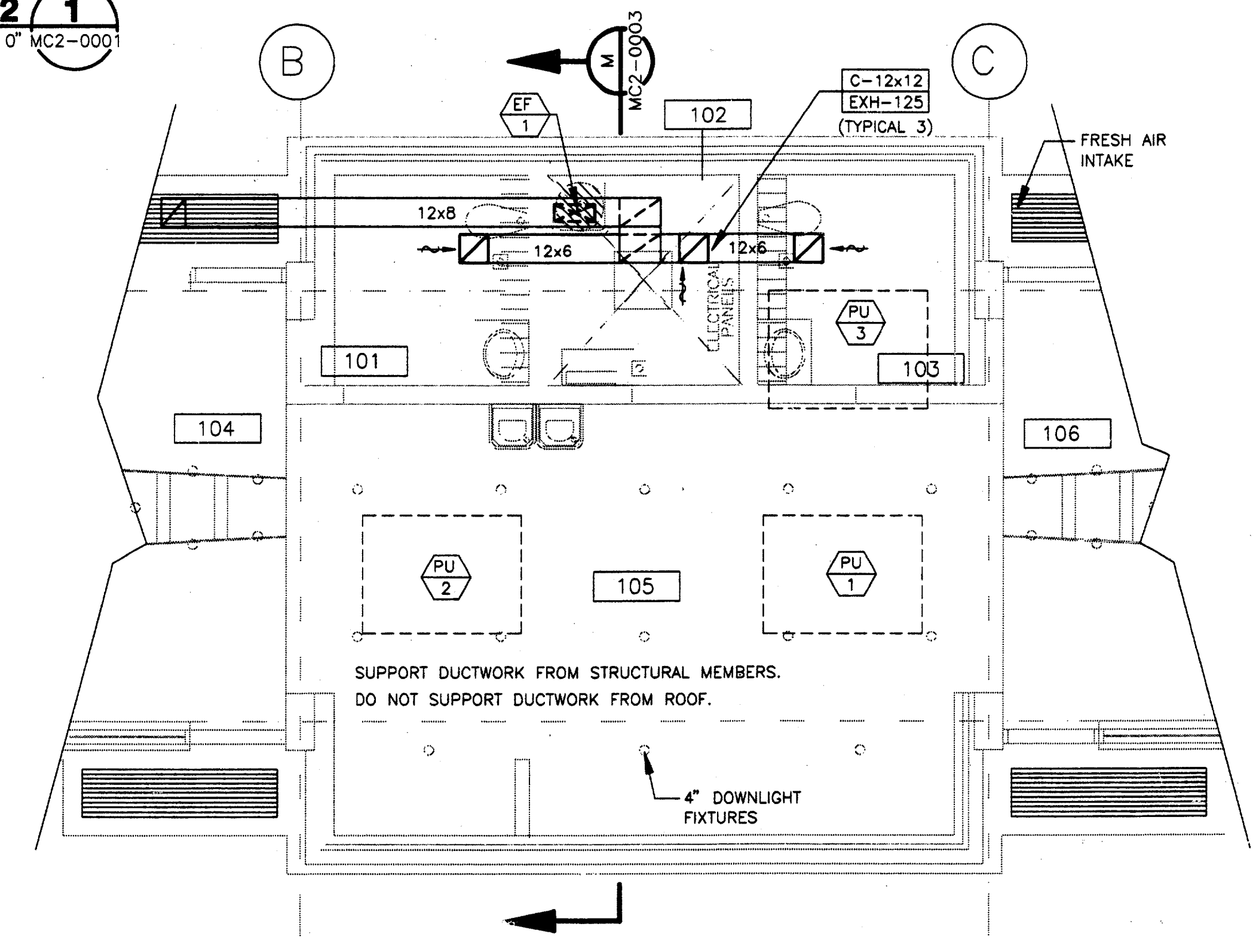
CONTRACT C-97000136	DWG. No. MC1-0001	REV. 0
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ENCLOSURE HVAC FLOOR PLAN - PU1 & PU2 1
SCALE: 1/4" = 1'-0" MC2-0001

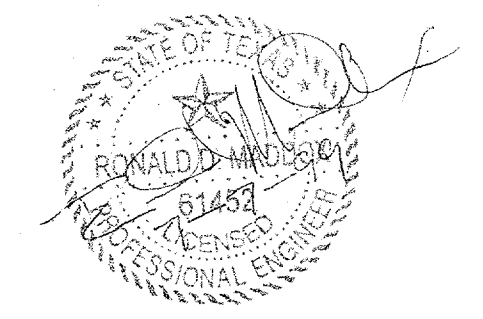


ENCLOSURE HVAC FLOOR PLAN - PU3 2
SCALE: 1/4" = 1'-0" MC2-0001



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

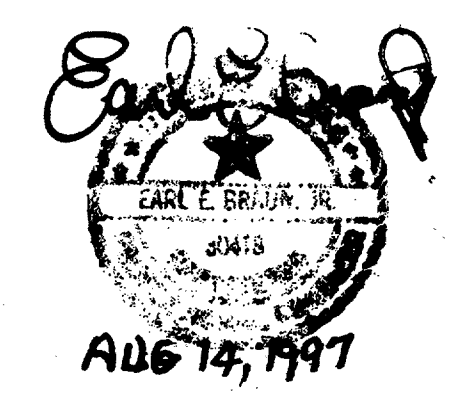
Record (As-built) Certification:
"Having checked this submission, we certify that it conforms to the requirements of the contract in all respects as otherwise indicated."
Contract Number: 97000136
Company Name: *Gerard & Associates*
Officer of Firm Signature: *Tom Kacer*
Date: *8/14/97*
Officer of Firm Name (typed): **TOM KACER**
Title of Officer (typed): **PRESIDENT**
Seal of Professional Engineer of Construction Contractors, including signature and date, thereby making record (as-built) drawings for accuracy of as-built conditions reflected herein, must be placed below.



CONFORMED

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

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

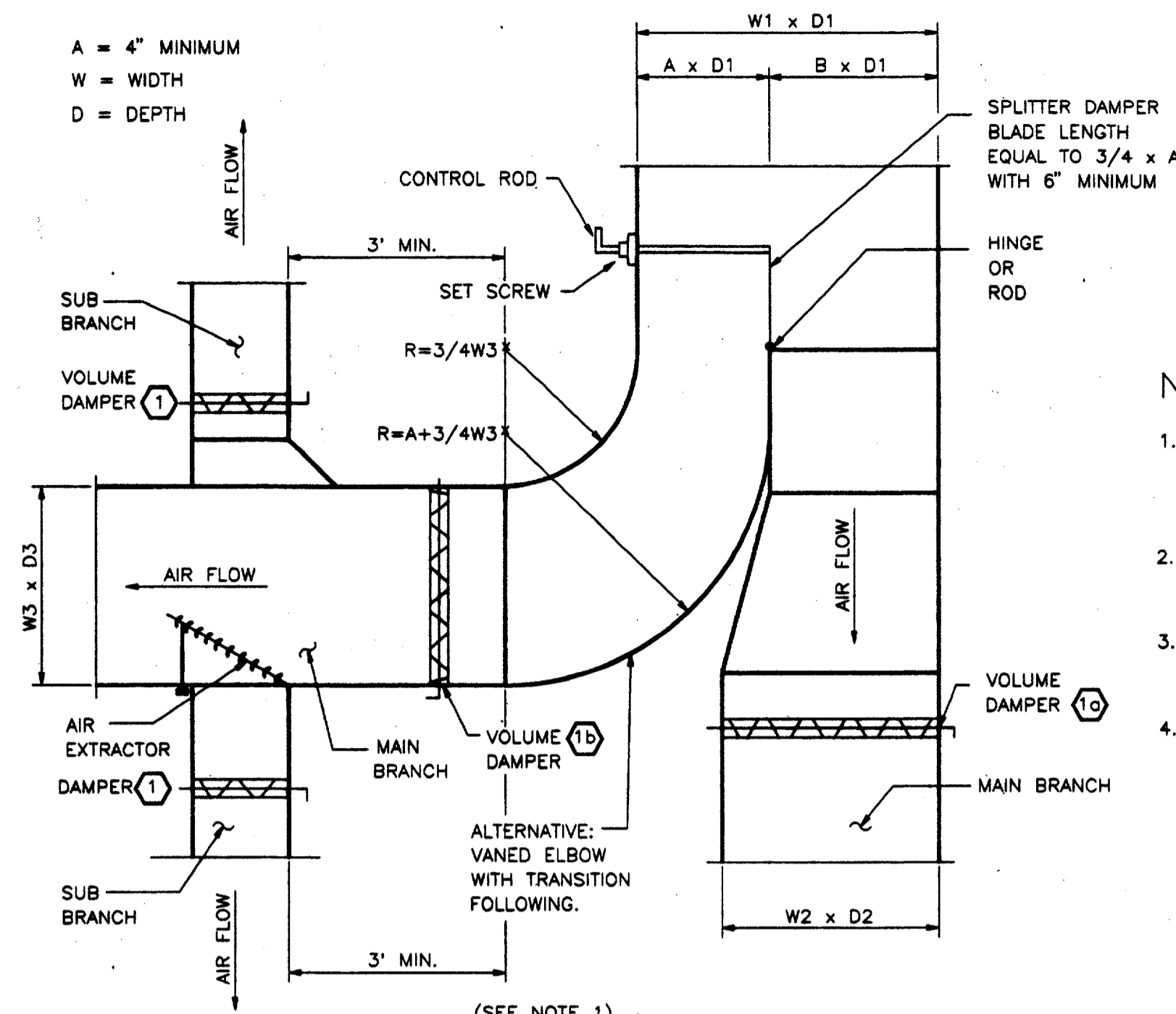


GERARD & ASSOCIATES
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4125 N. Central Expressway Dallas, TX 75204
(214) 528-8044 FAX (214) 528-0766

WLA
WINDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
200 MARKET CENTER BLVD - SUITE 200
DALLAS, TEXAS 75201
(972) 746-7777

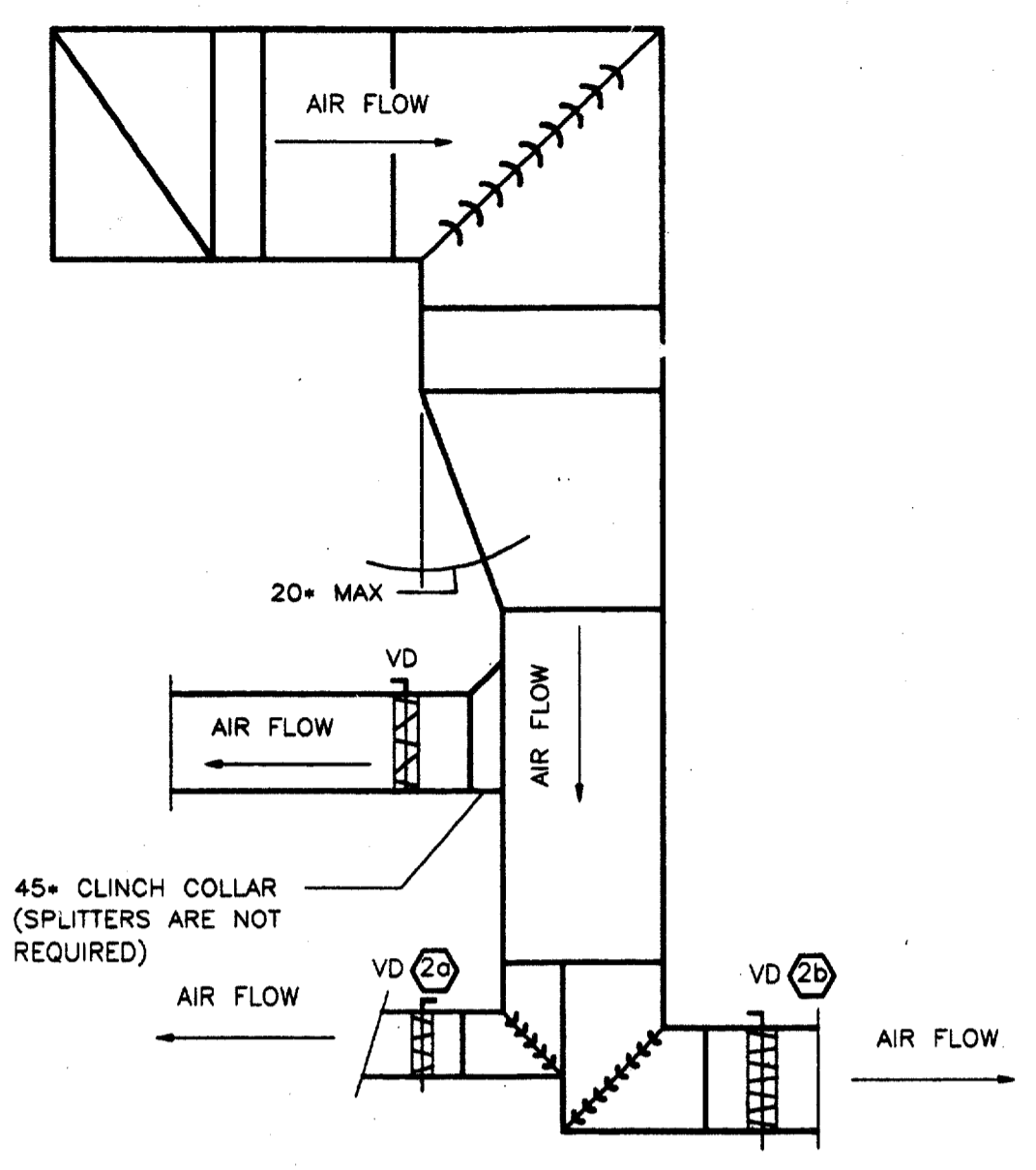
DART PROJECT

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



SUPPLY DUCT BRANCHES 1
NOT TO SCALE MC2-0002

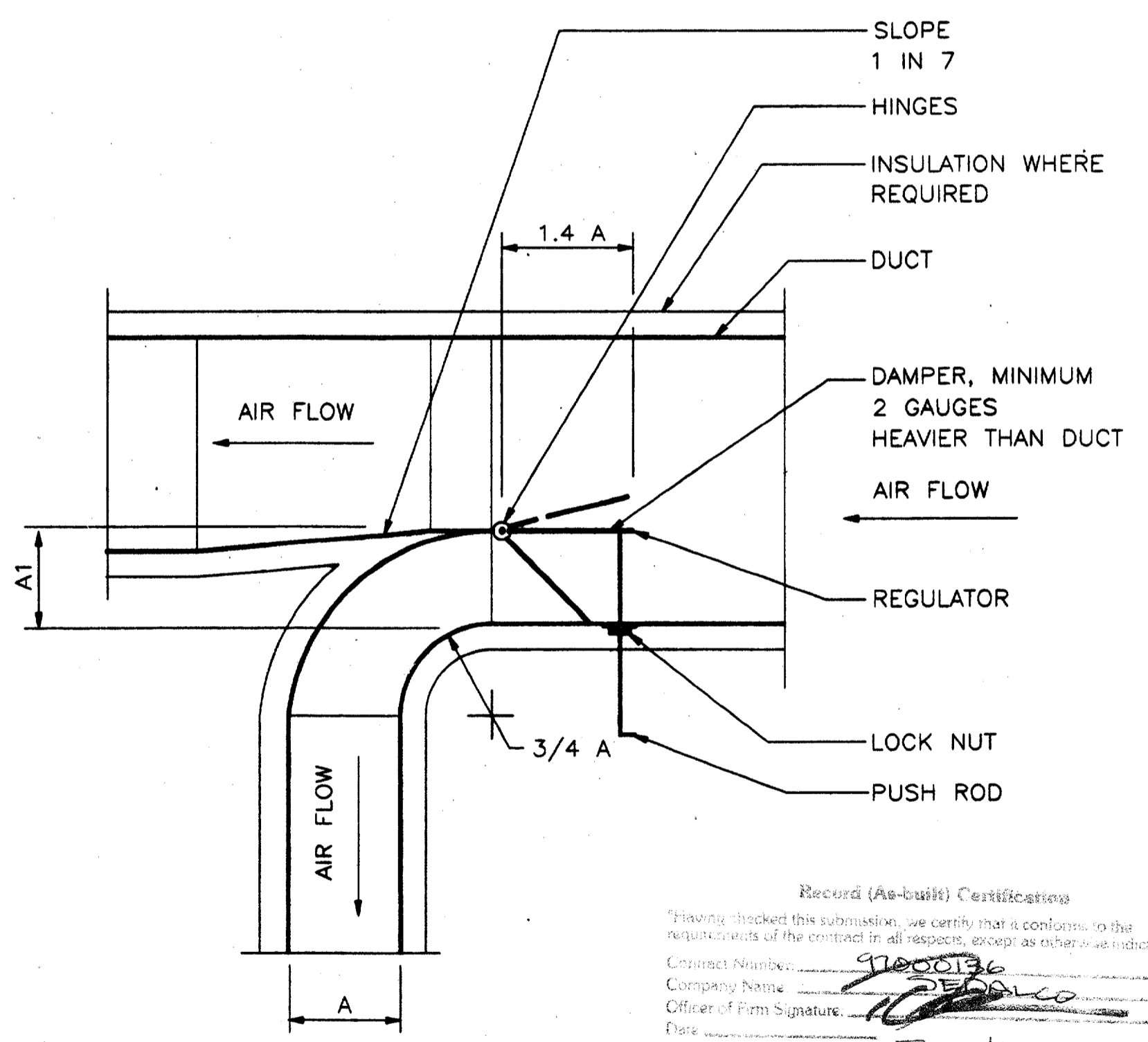
- NOTES:
- SPLITTER DAMPER MAY BE USED IN LIEU OF VOLUME DAMPERS (10) AND (1b), BUT NOT IN LIEU OF VOLUME DAMPERS (1).
 - IN TRANSITIONS AND OFFSETS, LARGEST DIMENSION SHALL GOVERN CONSTRUCTION.
 - SPLITTER DAMPER MAY BE USED IN LIEU OF VOLUME DAMPERS (20) AND (2b).
 - TURNING VANES SHALL BE CONSTRUCTED IN ACCORDANCE WITH SMACNA STANDARDS.



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

FAN SCHEDULE								
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.								

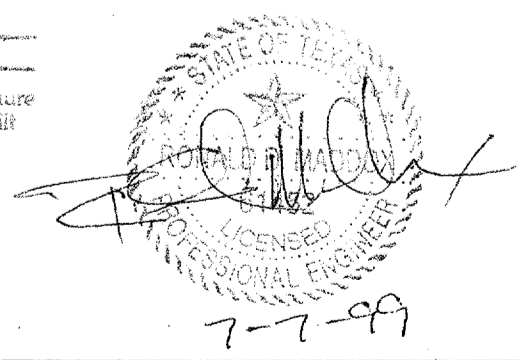
DIFFUSER SCHEDULE						
SYMBOL	DIFFUSER TYPE	MOUNTING	SIZE	DEFLECTION TYPE	FINISH	REMARKS
A	CEILING SUPPLY	LAY-IN OR FLANGED	12x12 or 24x24 SUPPLY AIR	PERFORATED	WHITE	A-1=18", A-2=14", A-3=12", A-4=10", A-5=8", A-6=6", A-7=18"
B	LINEAR DIFFUSER	RECESSED	19.5" LONG, 5" WIDE TUTTLE & BAILEY	THREE 3/4" 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

INDOOR PACKAGED COOLING UNIT SCHEDULE																	
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 1 THRU PU 3	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.																	

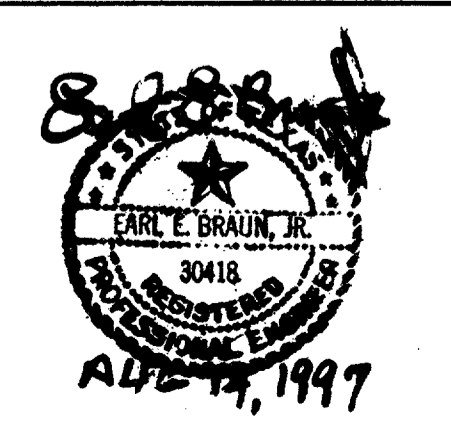
Record (As-built) Certification
Having checked this submission, we certify that it conforms to the requirements of the contract in all respects, except as otherwise indicated.
Contract Number: 7100036
Company Name: [Signature]
Title of Firm Name: [Signature]
Title of Officer (Typed): Tom Kader, President
Seal of Professional Engineer of Consulting Contractor, including signature and date, thereby sealing record (as-built) drawings for accuracy of as-built condition reflected herein, must be placed below:



CONFORMED

CONTRACT SHEET No. 84 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) 528-0788

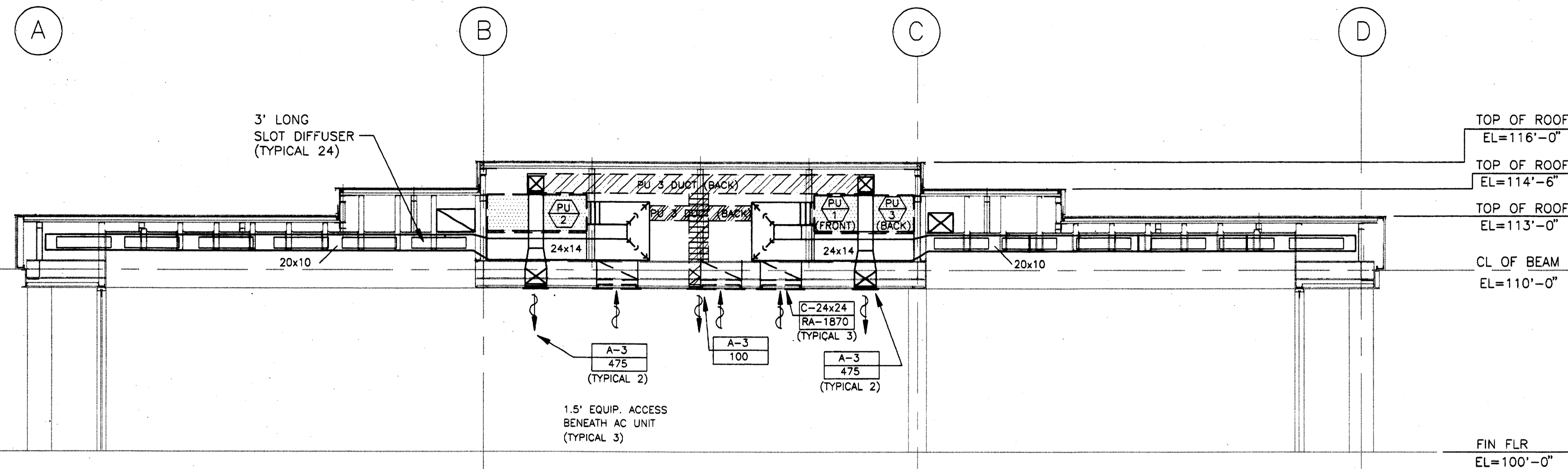
WINDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
205 MARKET CENTER BLVD - SUITE 30 DALLAS, TEXAS 75207 (214) 746-7777

DART PROJECT

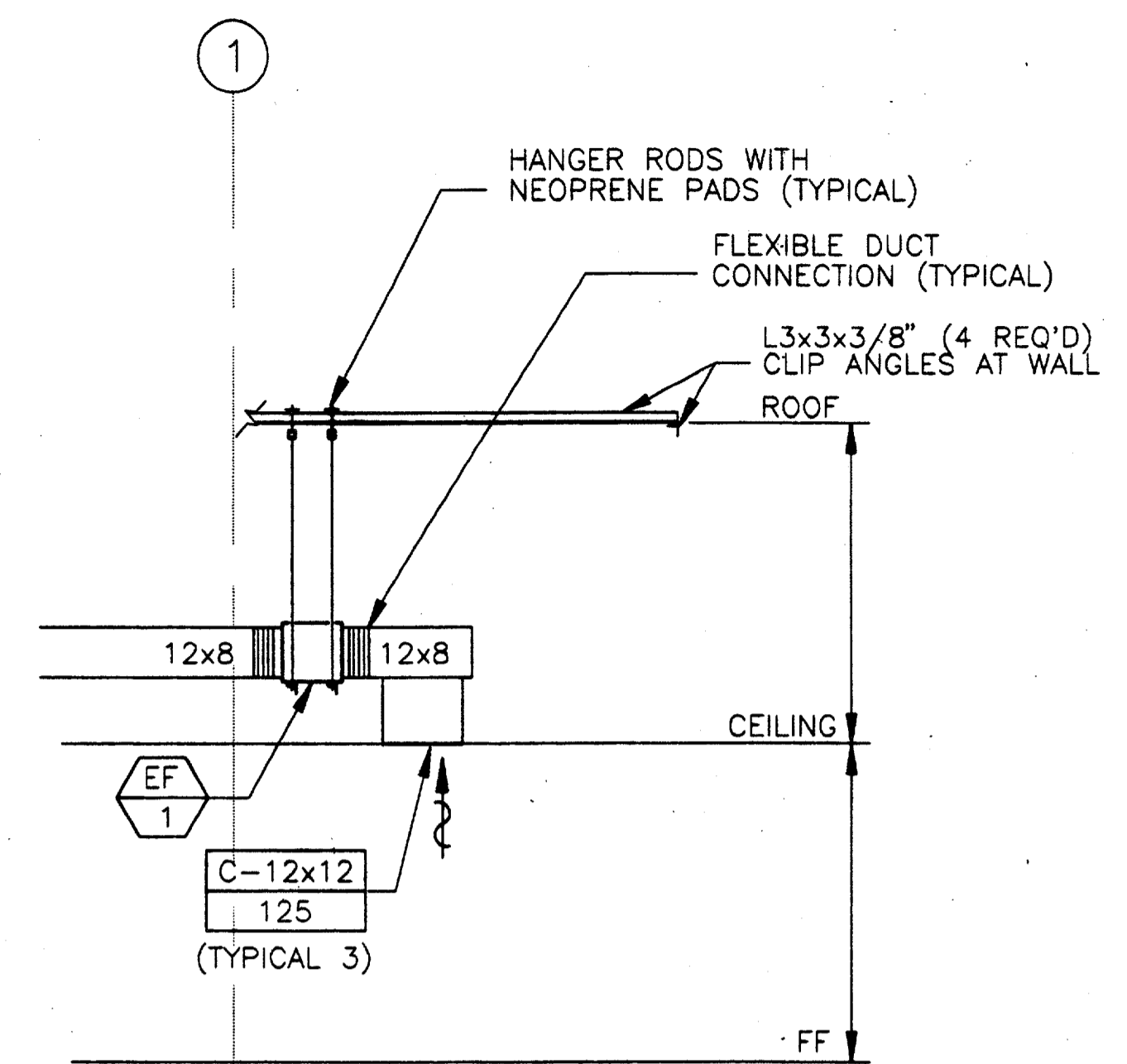
SCALE: NO SCALE
DRAWN: P. JACKSON
DESIGNED: E. BRAUN
CHECKED: W. GERARD
IN CHARGE: V. STEVENS
DATE: 14-AUG-97

ADDISON TRANSIT CENTER
HVAC SCHEDULES AND DETAILS

CONTRACT C-97000136 DWG. No. MC2-0002 REV. 0

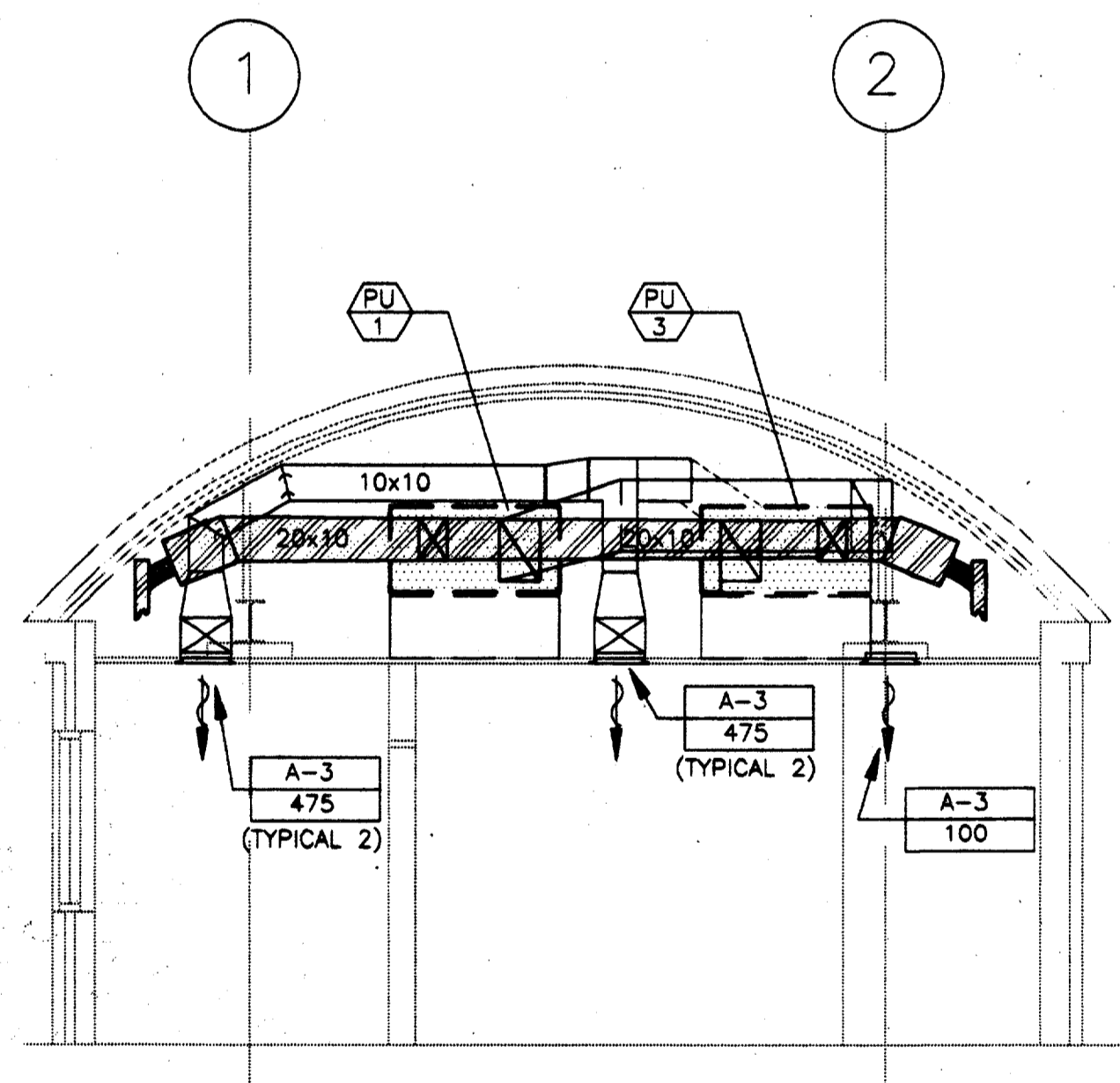


SOUTH ENCLOSURE HVAC SECTION 1
SCALE: 1/4" = 1'-0" MC2-0003

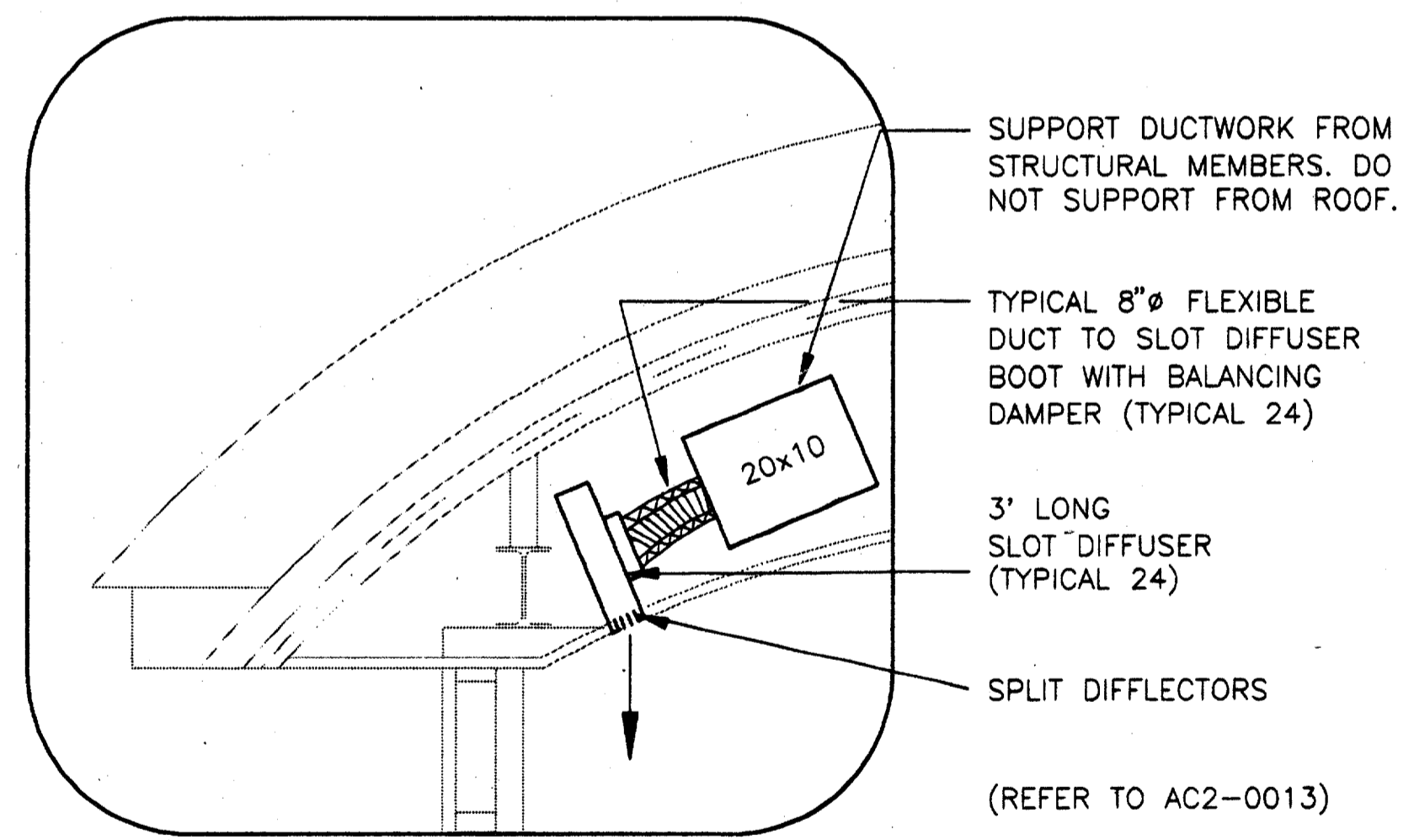


HANGING DETAIL - EXHAUST FAN 2
SCALE: 1/4" = 1'-0" MC2-0003

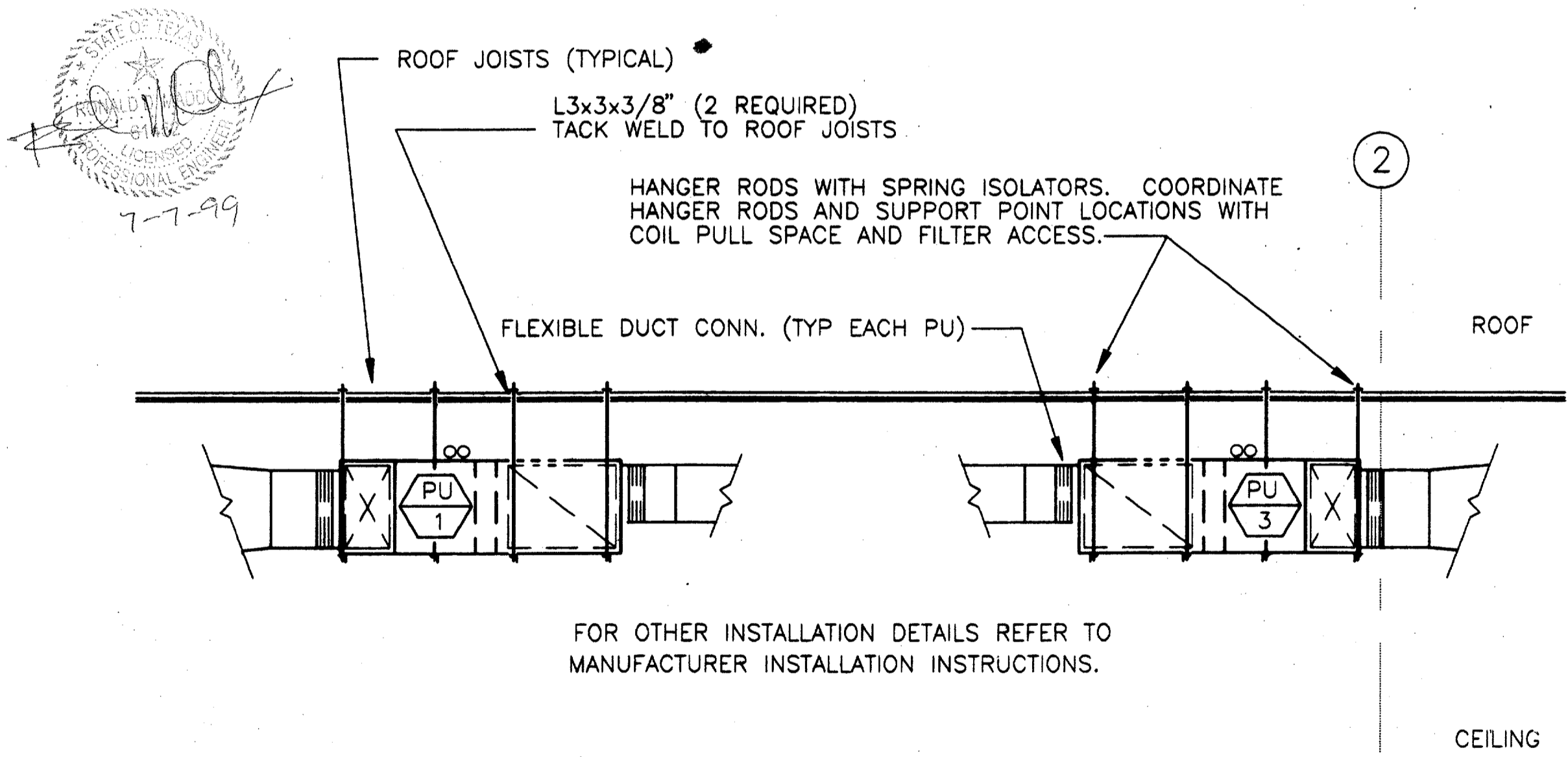
Record (As-Built) Certification
 "Having checked this submission, we certify that it conforms to the requirements of the contract in all respects, except as otherwise indicated."
 Contract Number: 97000136
 Company Name: *[Signature]*
 Title of Firm: *[Signature]*
 Date: *[Signature]*
 Title of Officer: *[Signature]*
 Seal of Professional Engineer of Construction Contractor, including signature and date. If any sealing record for built drawings for accuracy of as-built conditions reflected herein, must be placed below.



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



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

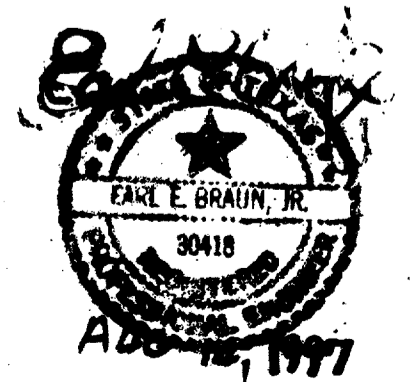


HANGING DETAILS - PU INSTALLATION 5
SCALE: 1/4" = 1'-0" MC2-0003

CONFORMED

CONTRACT SHEET No. 85 of 95

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



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

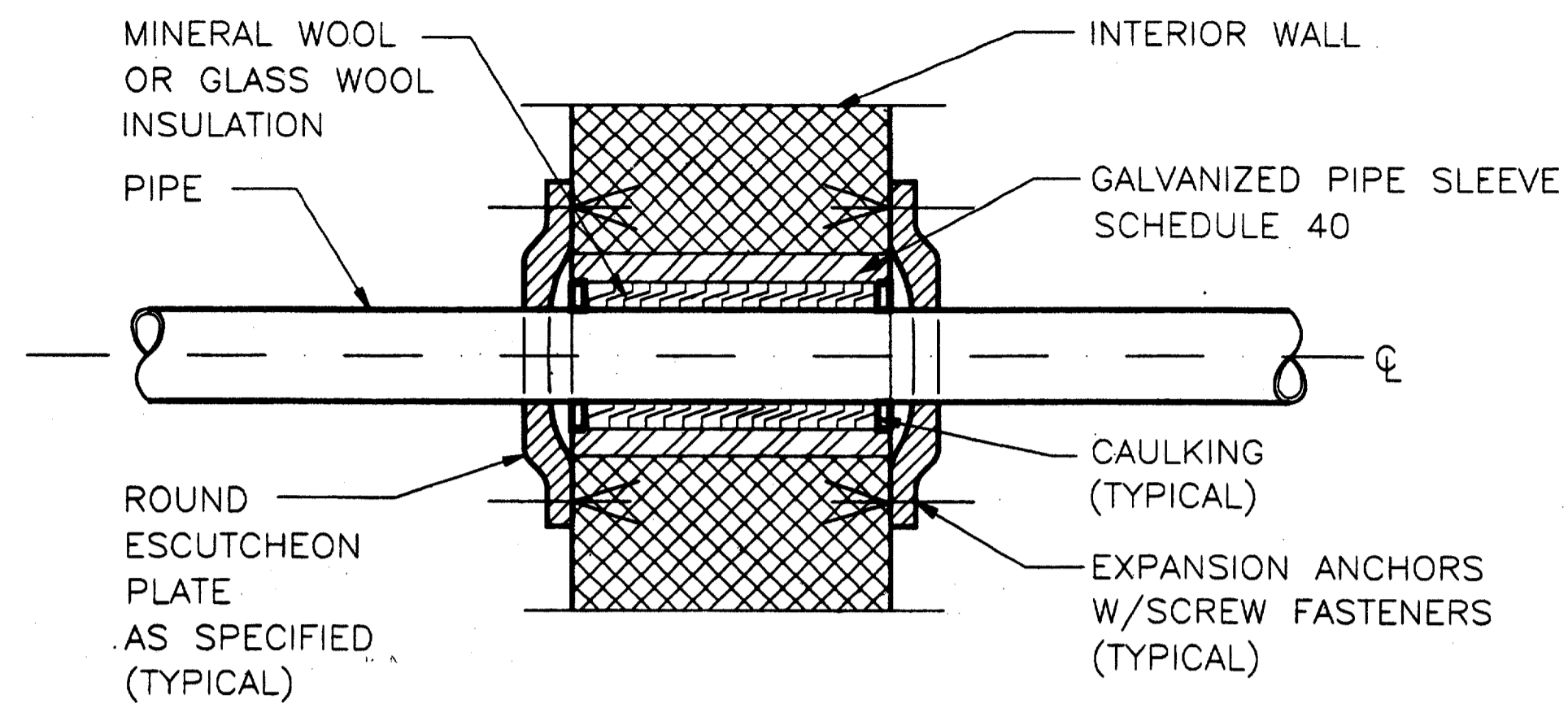
WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
105 MARKET CENTER BLVD - SUITE 300
DALLAS, TEXAS 75207
(214) 748-7777

DART PROJECT

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

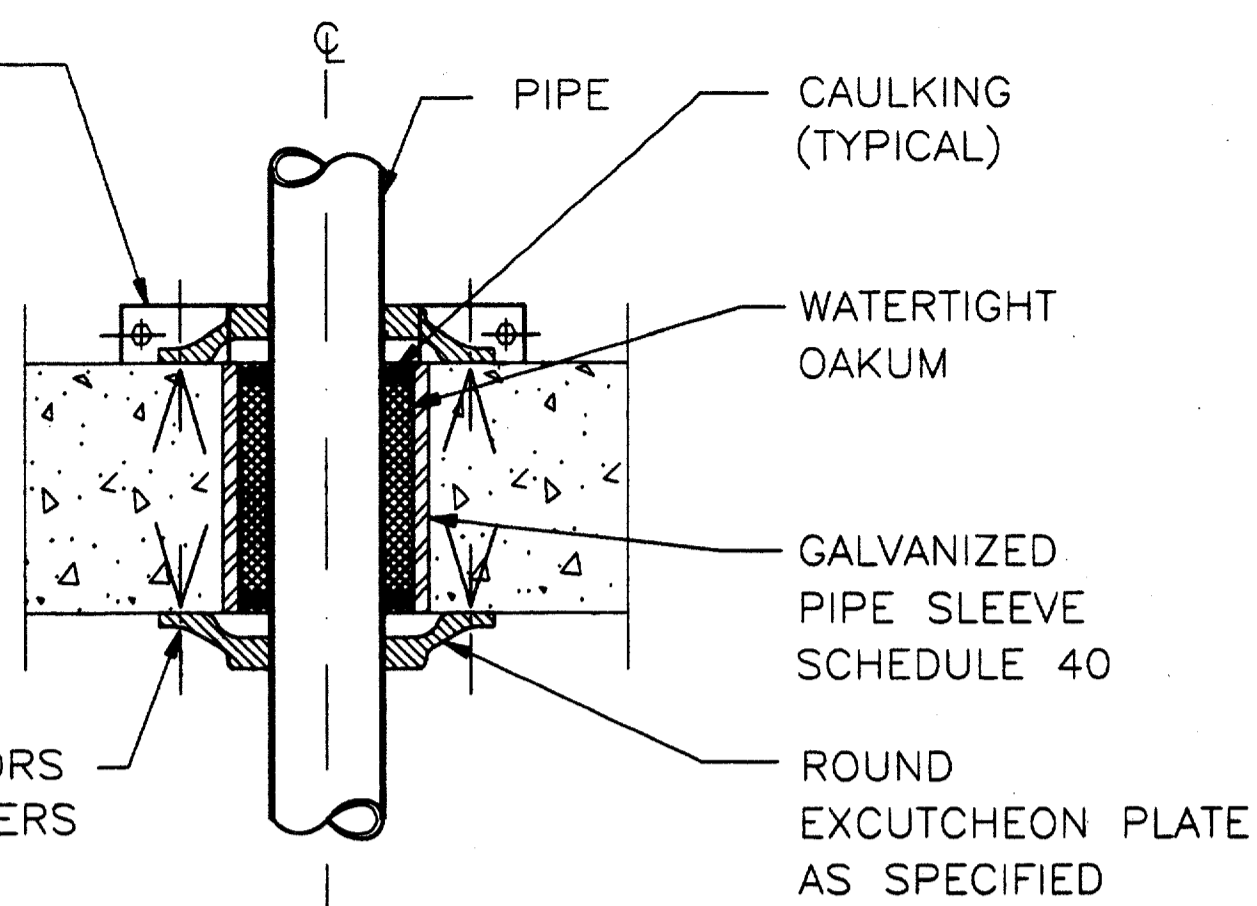
ADDISON TRANSIT CENTER
HVAC DETAILS

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

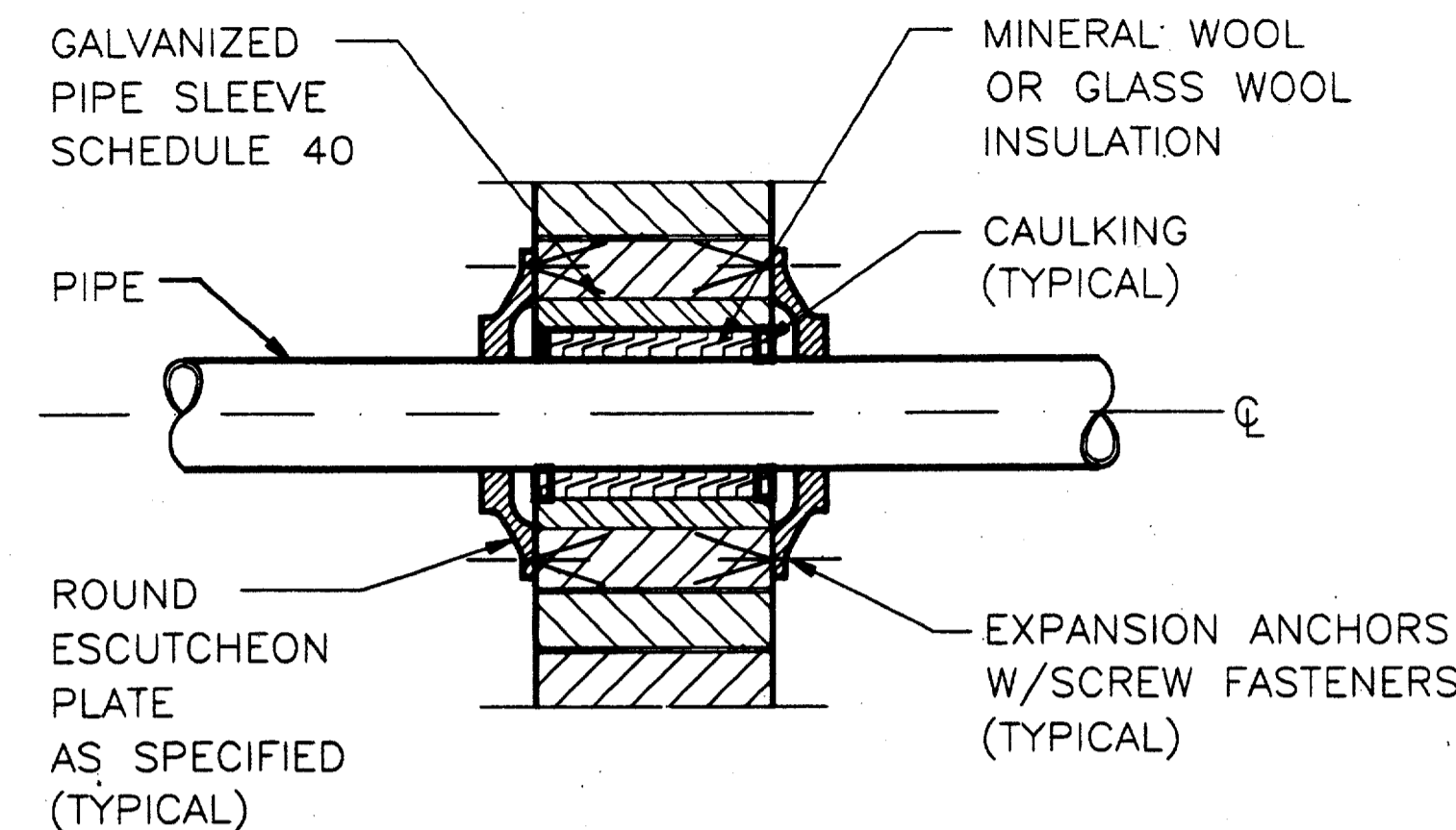


PIPE PENETRATION IN INTERIOR WALL 1
NOT TO SCALE MC2-0004

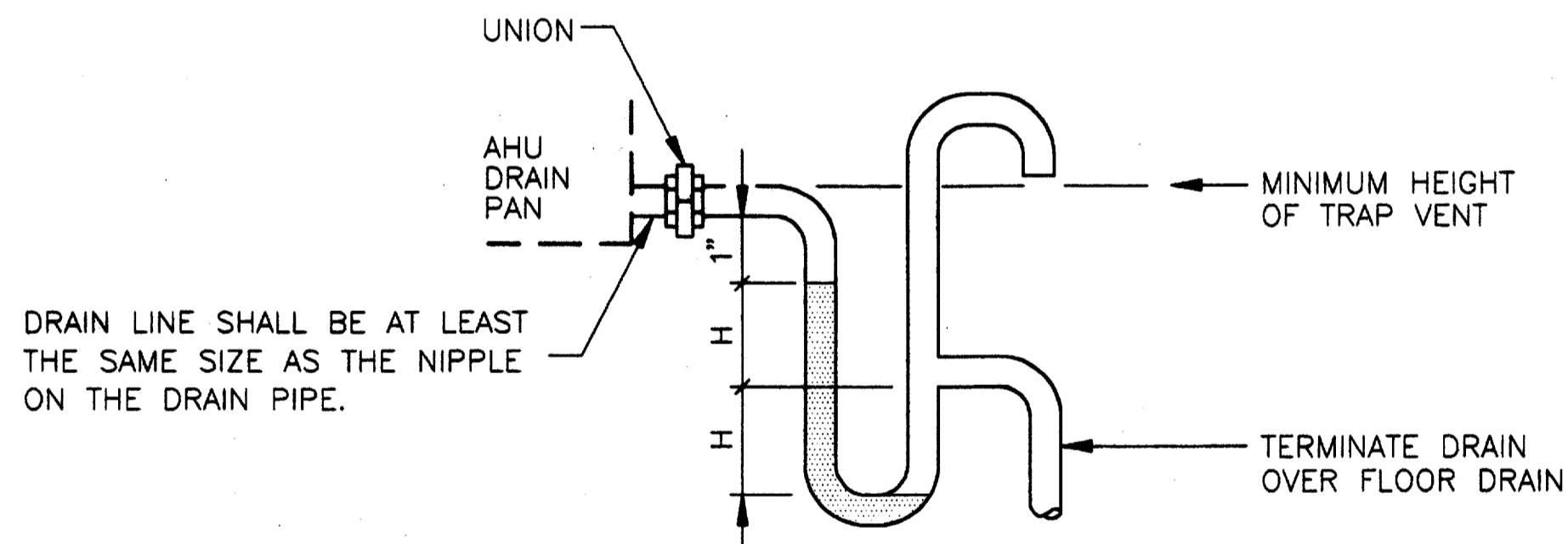
IF PIPE IS NOT SUPPORTED IN THE VICINITY OF PENETRATION USE STANDARD PIPE RISER CLAMP INSTEAD OF ESCUTCHEON PLATE



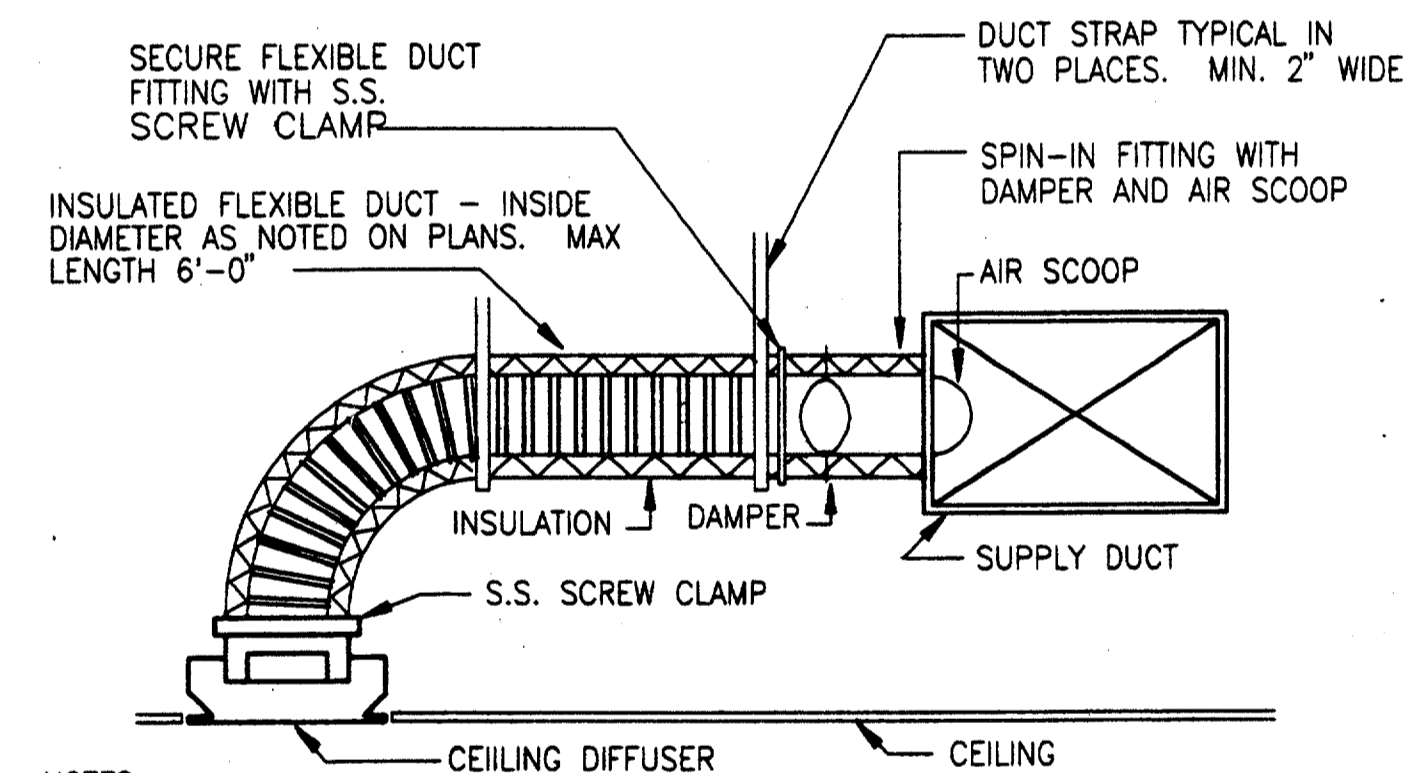
PIPE PENETRATION IN FLOOR SLAB 2
NOT TO SCALE MC2-0004



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



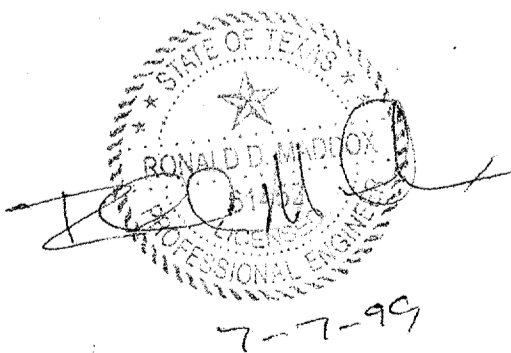
COIL TRAP DETAIL (DRAW-THRU UNIT) 4
NOT TO SCALE MC2-0004



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: 9700516
 Company Name: [Signature]
 Officer of Firm Signature: [Signature]
 Date: [Signature]
 Officer of Firm Name (typed): TOM KAOP
 Title of Officer (typed): PRESIDENT
 Seal of Professional Engineer of Construction Contractor, including signature and date, thereby sealing record (as-built drawings for accuracy or compliance) resolution reflected herein, must be placed hereon.



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

WINDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 205 MARKET CENTER BLVD - SUITE 200
 DALLAS, TEXAS 75201
 (972) 740-7777

DART PROJECT



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

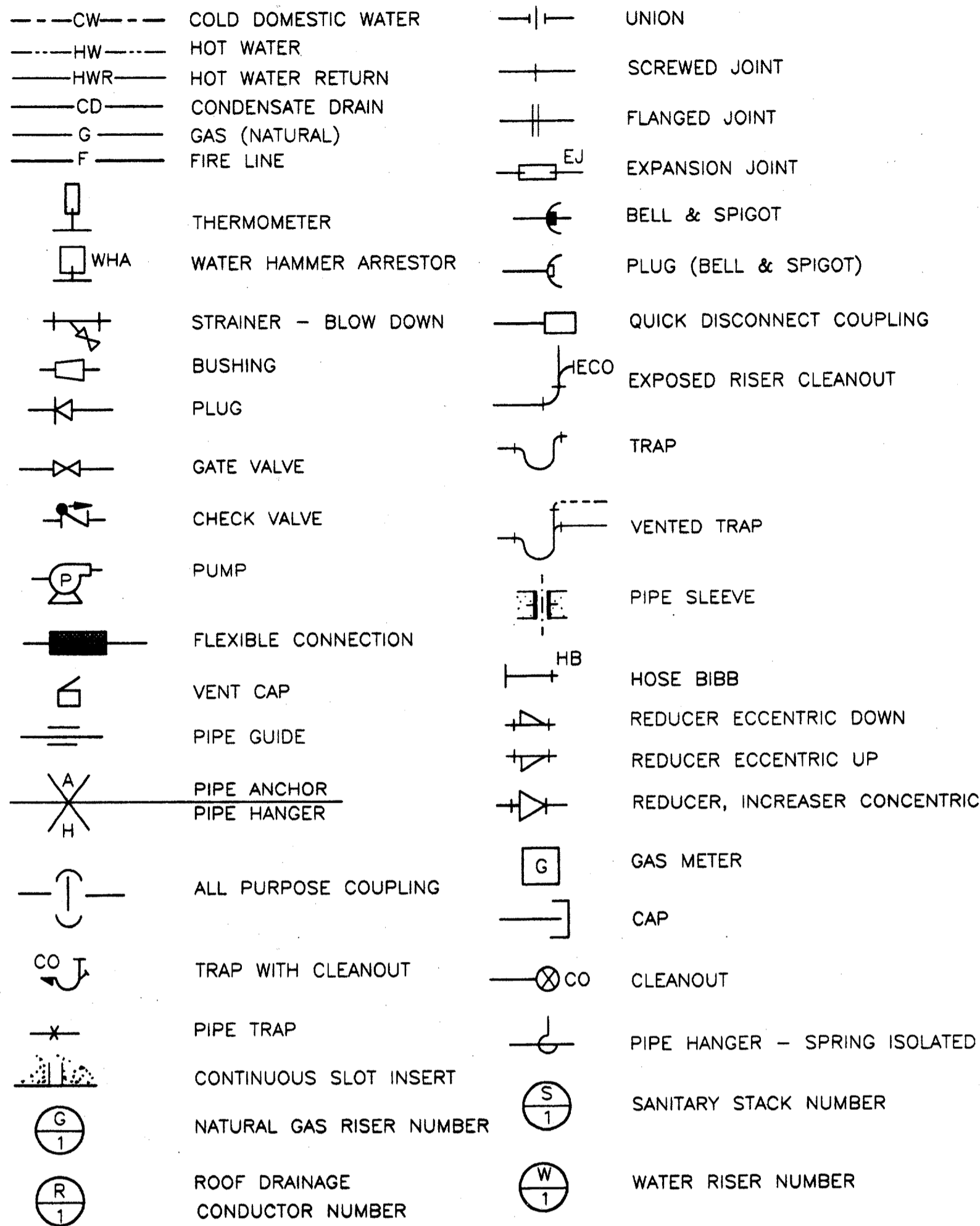
HVAC DETAILS

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

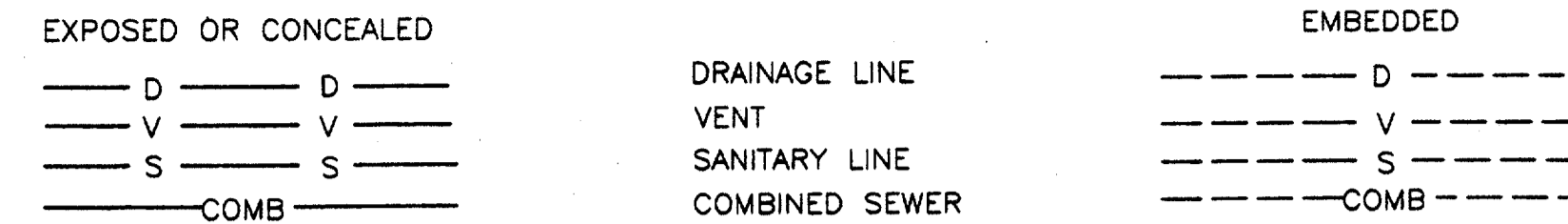
ABBREVIATIONS

Table with 4 columns of abbreviations and their corresponding full names. Includes items like AAV (Automatic Air Vent), AD (Access Door), DRN (Drain, Drainage), etc.

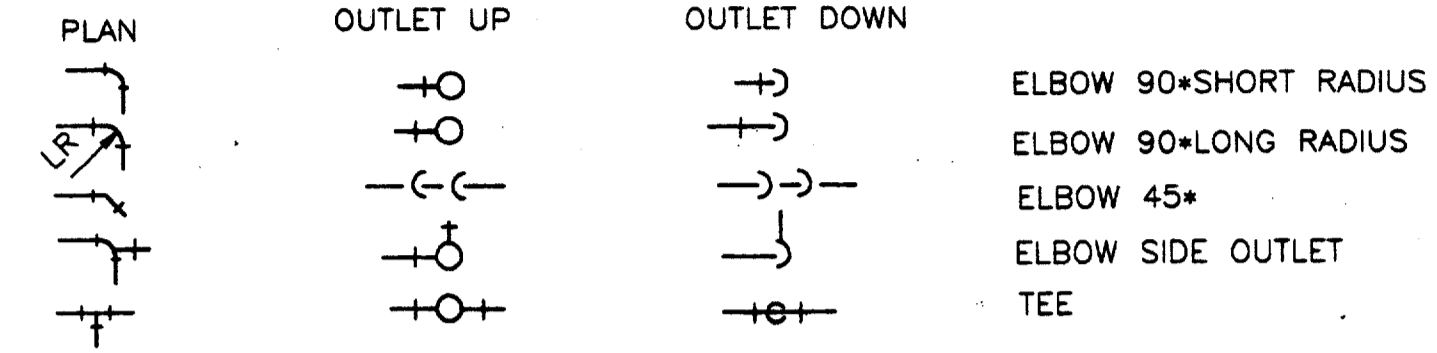
PIPING



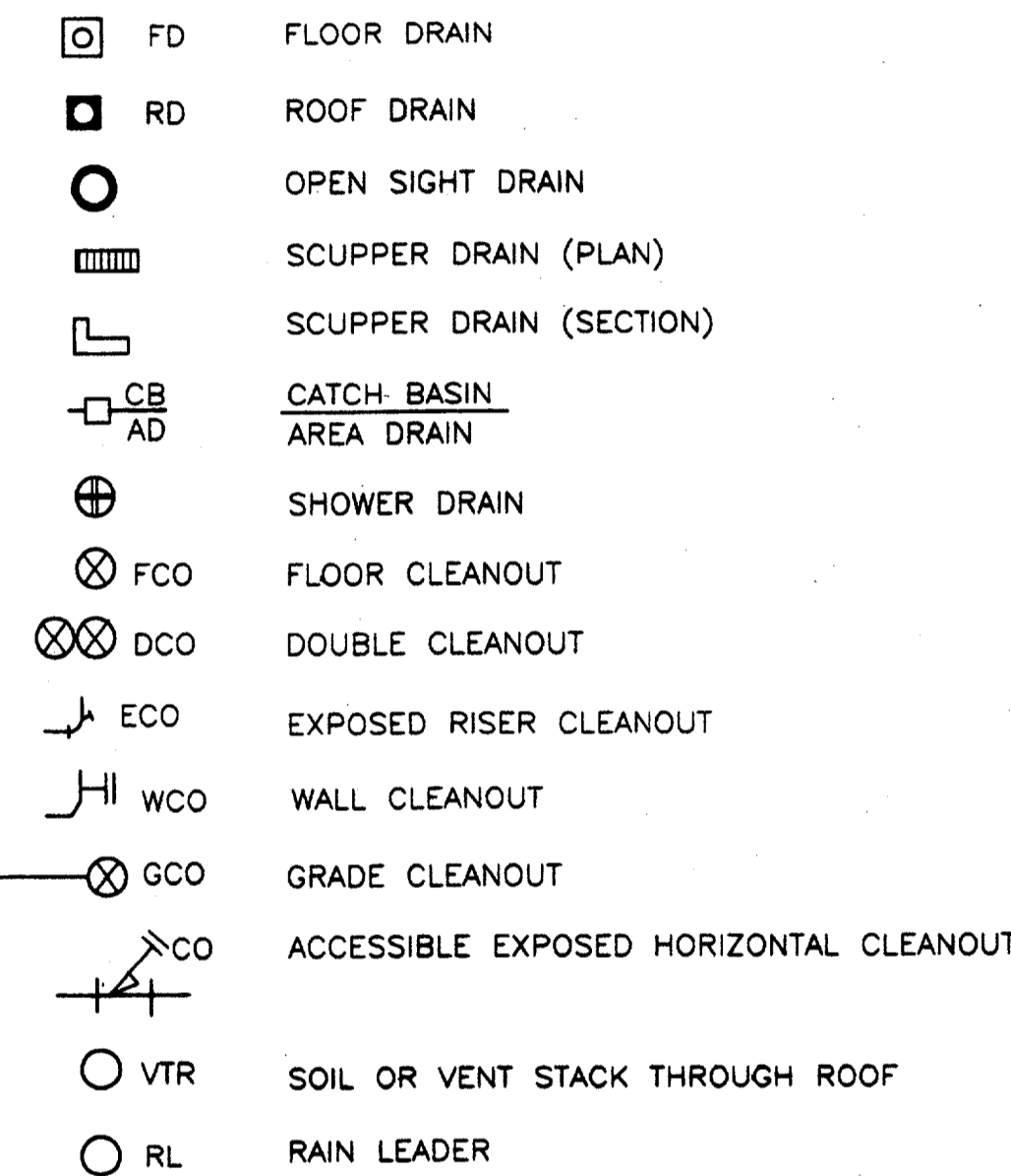
DRAINAGE



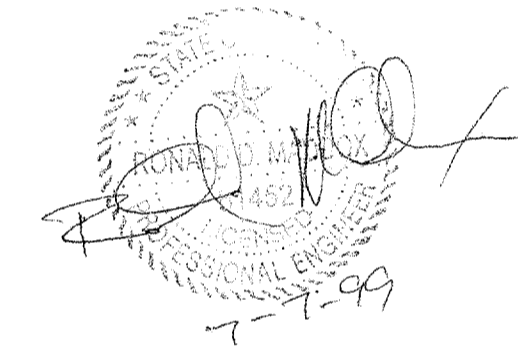
PIPE FITTINGS



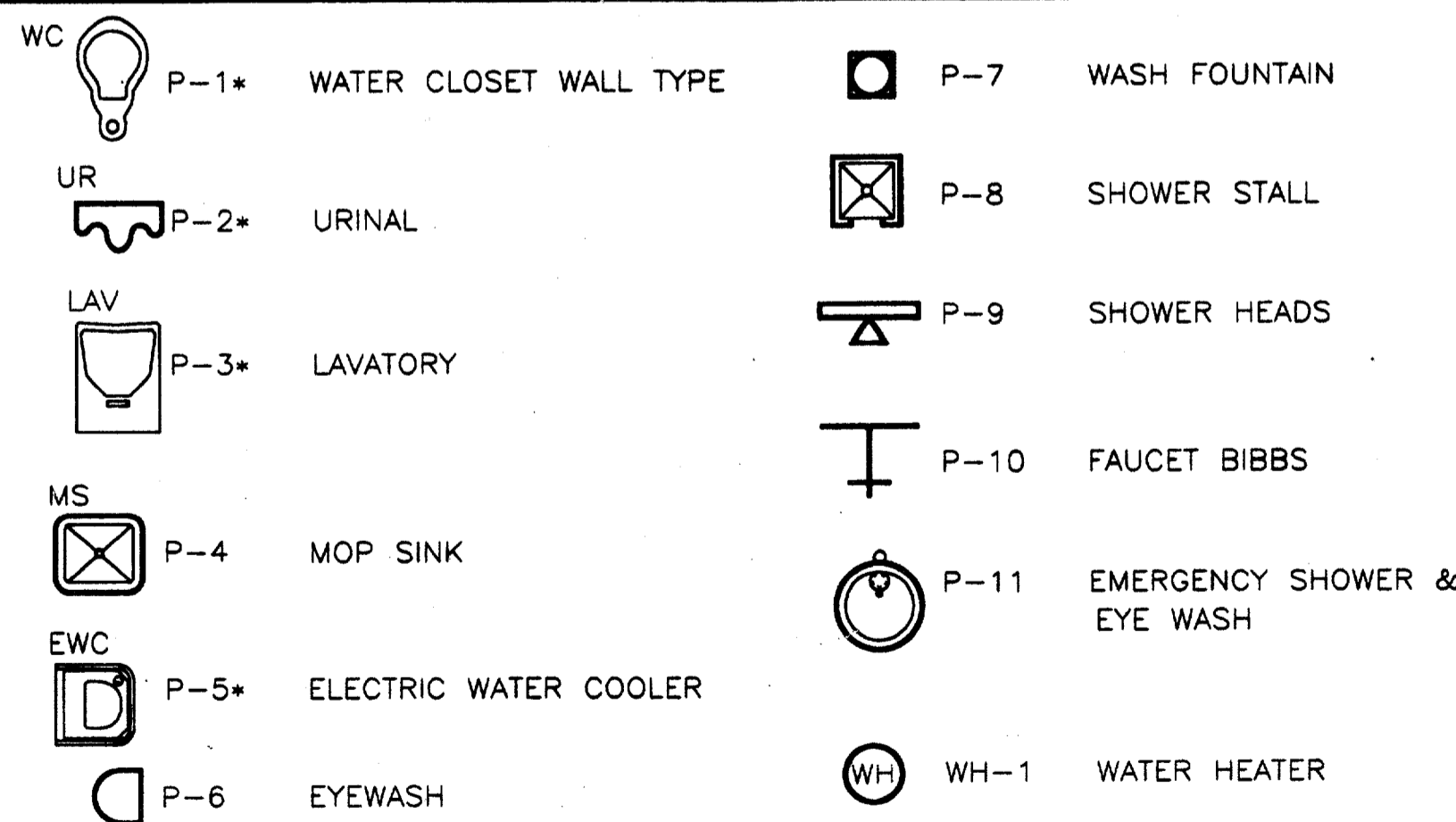
DRAINAGE FITTINGS



Record (and) Liability Certifications
I have checked this submission and certify that it conforms to the requirements of the contract or all applicable laws as otherwise indicated.
Contract Number: 97000136
Company Name: G. BRAUN & ASSOCIATES
Official of Firm Signature: [Signature]
Date: 7-1-99
Title of Official (Typed): J. KADER, PRESIDENT
Seal of Professional Engineer of Construction Contract, including signature and date. In utility sealing record (as-built) drawings for accuracy of as-built condition reflected herein, must be placed below.



PLUMBING FIXTURES



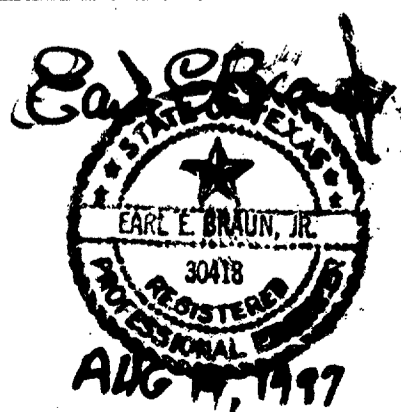
NOTES

- 1. SYMBOLS GIVEN HERE MAY INCLUDE ITEMS WHICH ARE NOT PART OF THIS CONTRACT.
- 2. DATUM SHOWN ON THESE PLANS IS UNITED STATES COAST & GEODETIC SURVEY (USC & GS) MEAN SEA LEVEL LATEST ADJUSTMENT.
- 3. LONG RADIUS ELBOWS SHALL BE USED THROUGHOUT UNLESS OTHERWISE NOTED.
- 4. IF NOT DESIGNATED, FLOOR DRAINS, DRAINAGE AND SANITARY PIPING SHALL BE FOUR (4) INCHES NOMINAL SIZE.
- 5. ALL STORM DRAINAGE LINES SHALL BE AT ONE (1) PERCENT MINIMUM SLOPE UNLESS OTHERWISE INDICATED.
- 6. ALL SANITARY LINES SHALL BE AT TWO (2) PERCENT MINIMUM SLOPE UNLESS OTHERWISE INDICATED.
- 7. EMBEDDED LONGITUDINAL DRAINAGE MAINS SHALL SLOPE WITH THE TRACKS UNLESS OTHERWISE INDICATED.
- 8. 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.
- 9. ALL STEEL PIPE EMBEDDED IN CONCRETE SHALL BE GALVANIZED, UNLESS OTHERWISE NOTED.
- 10. 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

Revision table with columns for 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
205 MARKET CENTER, BLVD - SUITE 80
DALLAS, TEXAS 75201
(972) 748-7777

DART PROJECT



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

ADDISON
TRANSIT CENTER
PLUMBING STANDARDS
ABBREVIATIONS & SYMBOLS

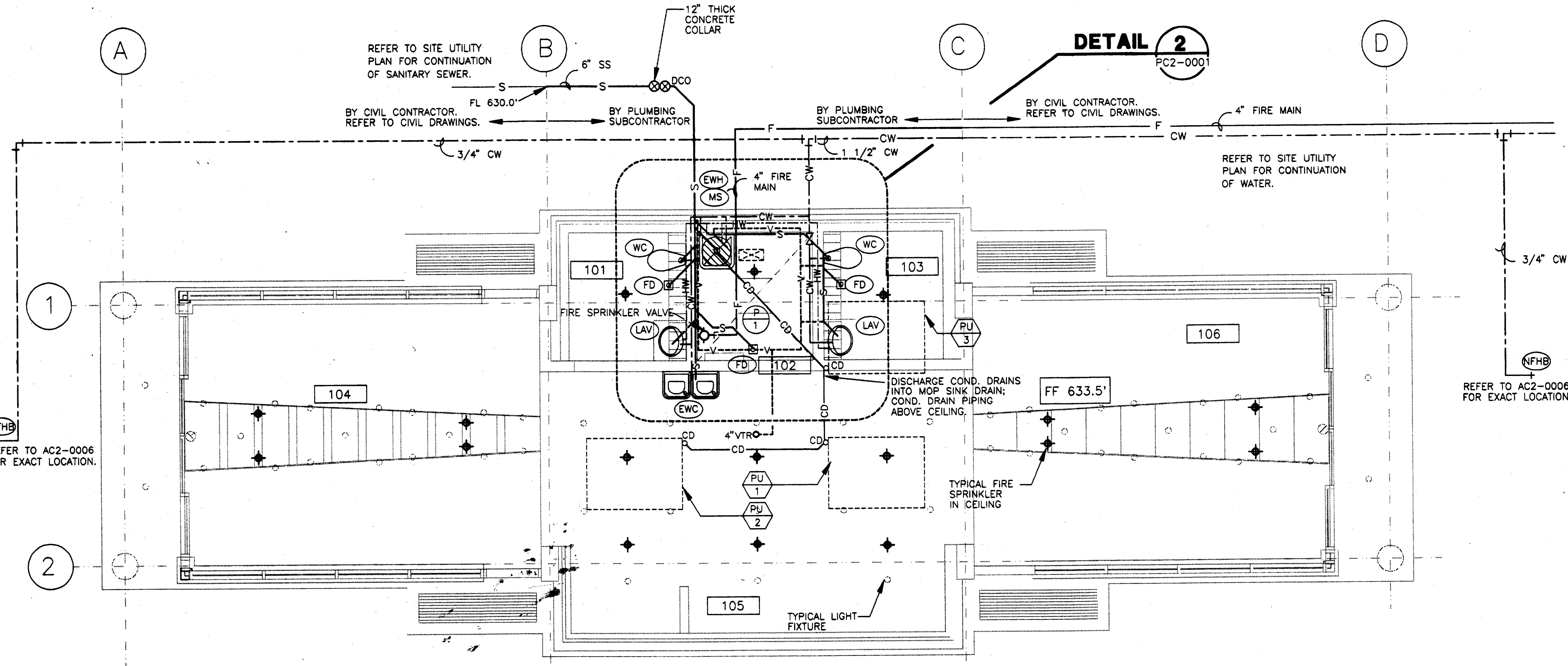
Table with columns for CONTRACT No., DWG. No., REV. No.

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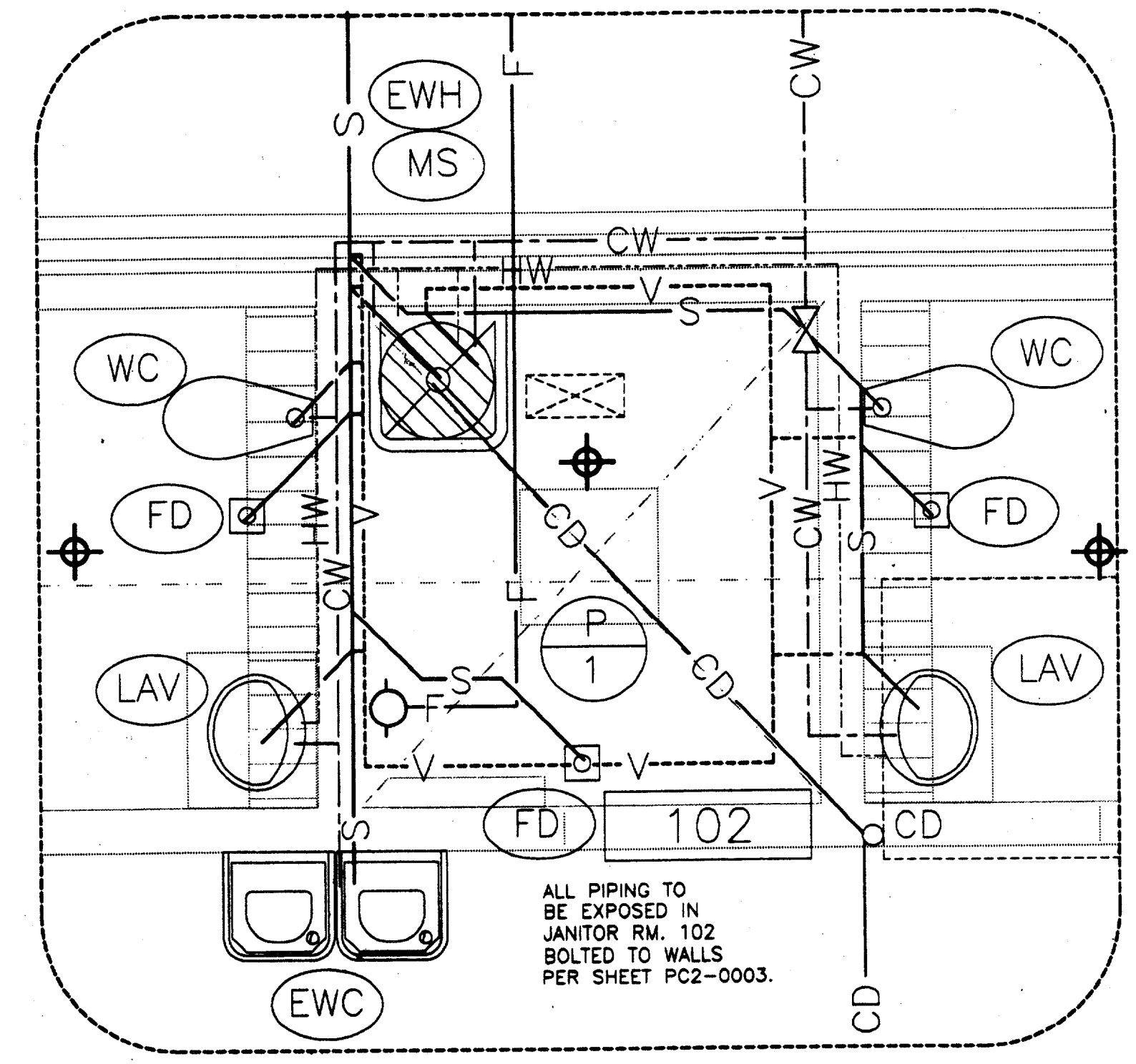
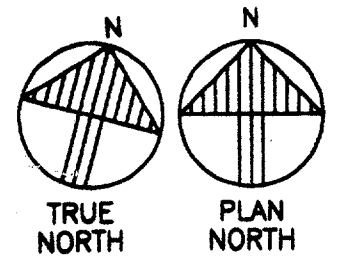
B

C

D

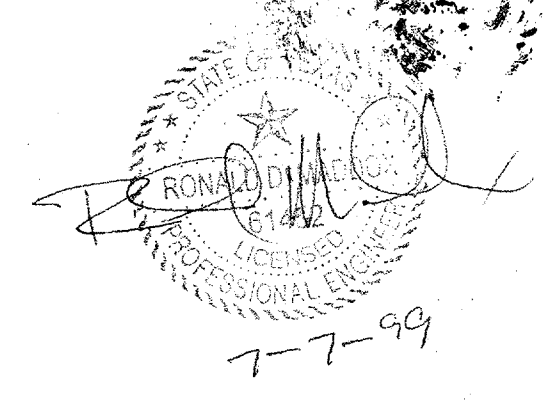


ENCLOSURE PLUMBING FLOOR PLAN 1
SCALE: 1/4" = 1'-0" PC2-0001



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

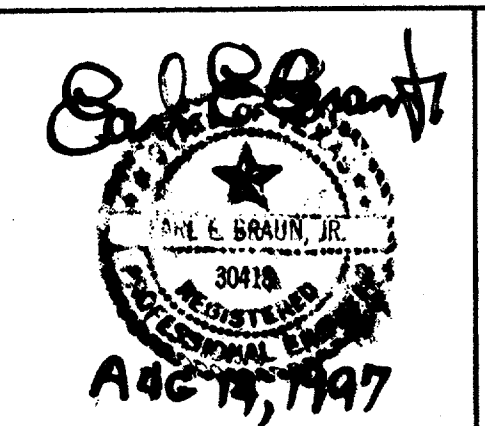
Record (As-built) Application
"Having checked this submission, I certify that it conforms to the requirements of the contract as shown on the drawings as otherwise indicated."
Contract Number: 97000136
Company Name: WINDY LOPEZ & ASSOCIATES, INC.
Office of Firm Signature: [Signature]
Date: 7-7-99
Seal of Professional Engineer: [Seal]
and date, thereby certifying that the drawings are a true and correct representation of the conditions reflected herein, subject to the provisions of the contract.



CONFORMED

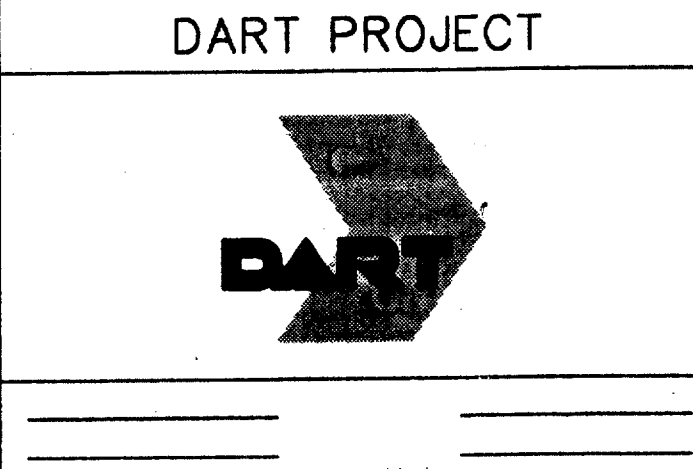
CONTRACT SHEET No. 88 of 95

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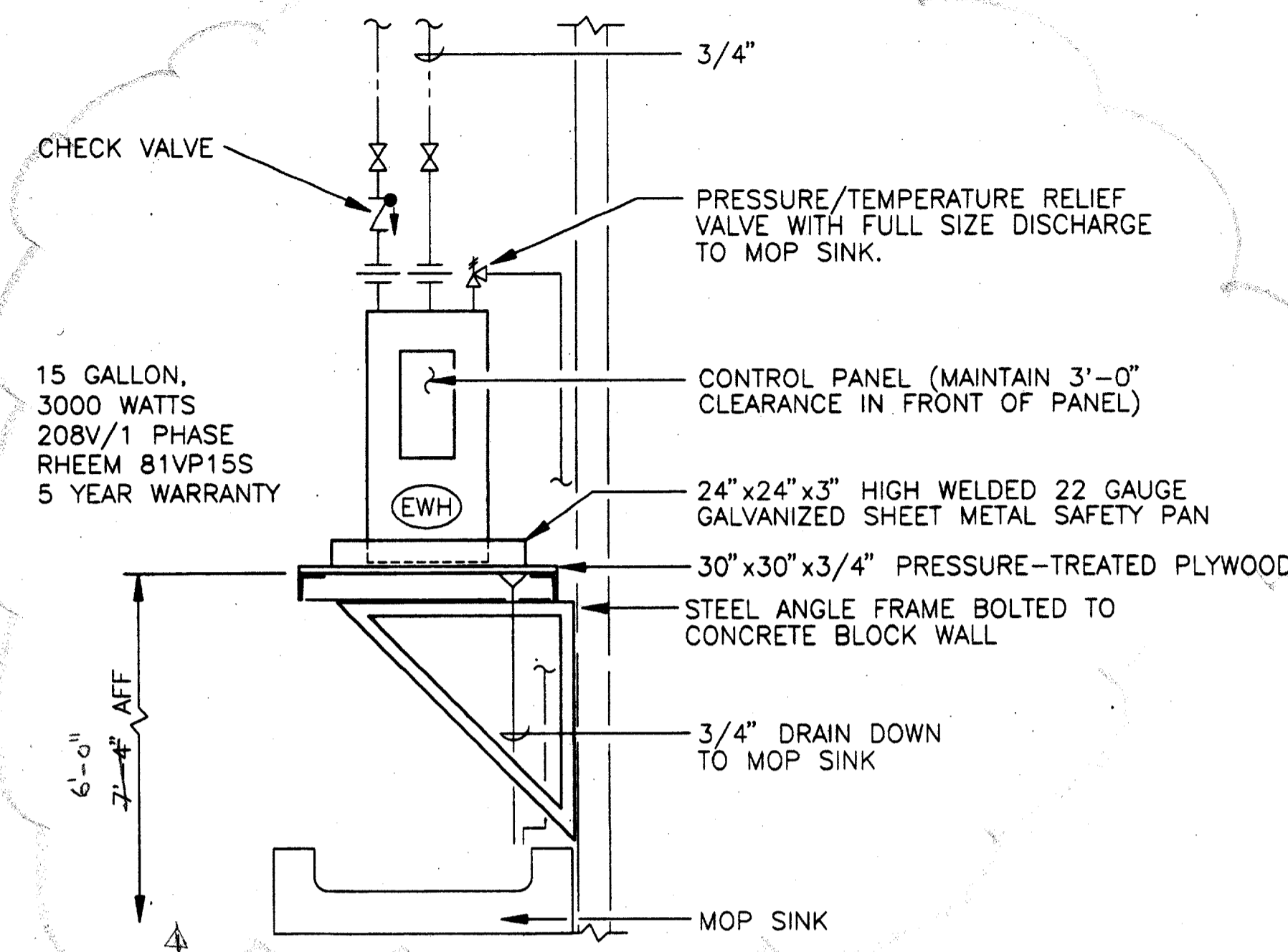
GERARD & ASSOCIATES
CONSULTING ENGINEERS
Mechanical Electrical Plumbing
Systems Design
4125 N. Central Expressway Dallas, TX 75204
(214) 528-6044 FAX (214) 528-0766

WINDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
105 MARSHY CREEK BLVD - SUITE 200
DALLAS, TEXAS 75207
(972) 748-7777



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

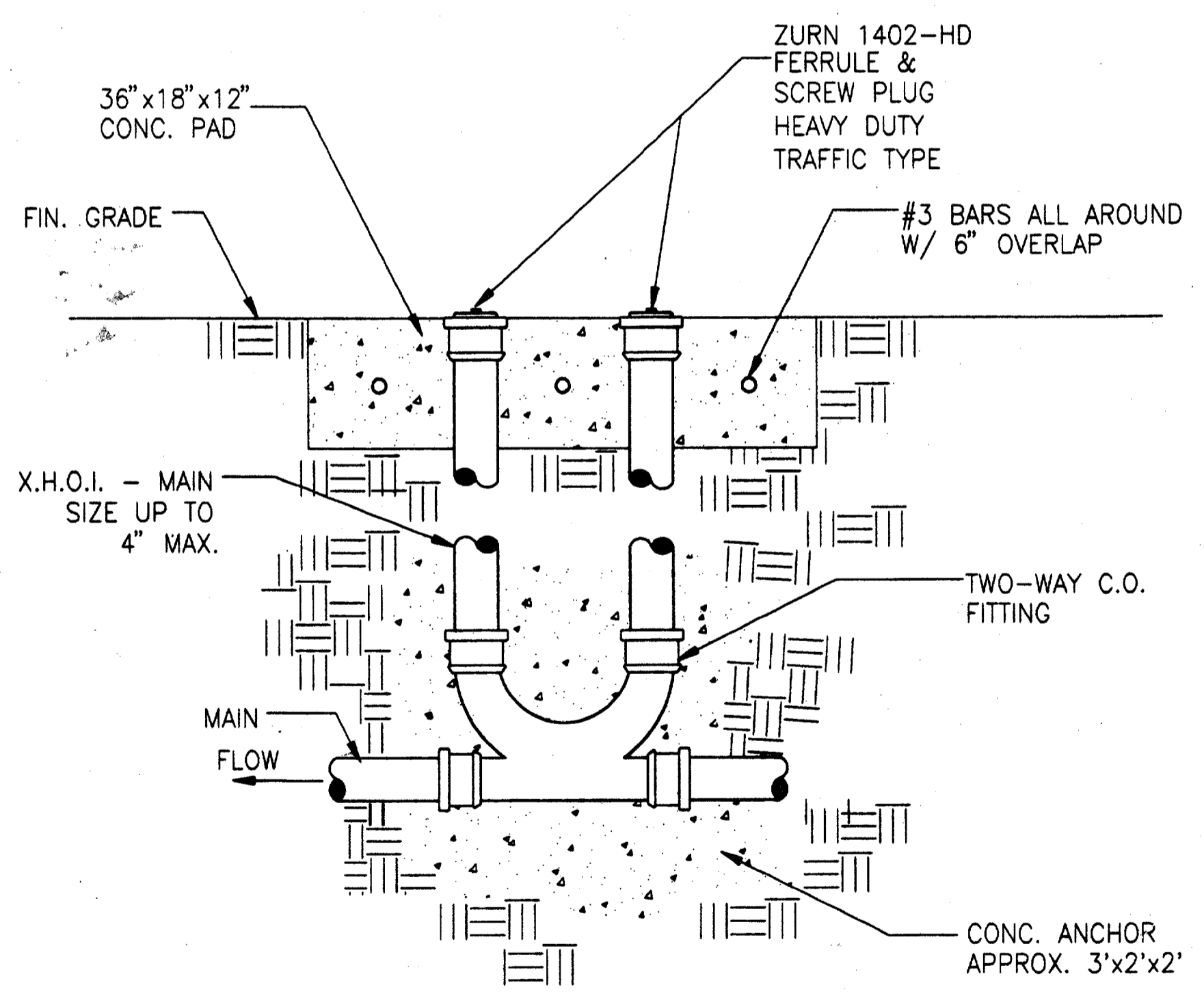
ADDISON TRANSIT CENTER
ENCLOSURE PLUMBING FLOOR PLAN
CONTRACT C-97000136 DWG. No. PC2-0001 REV. 0



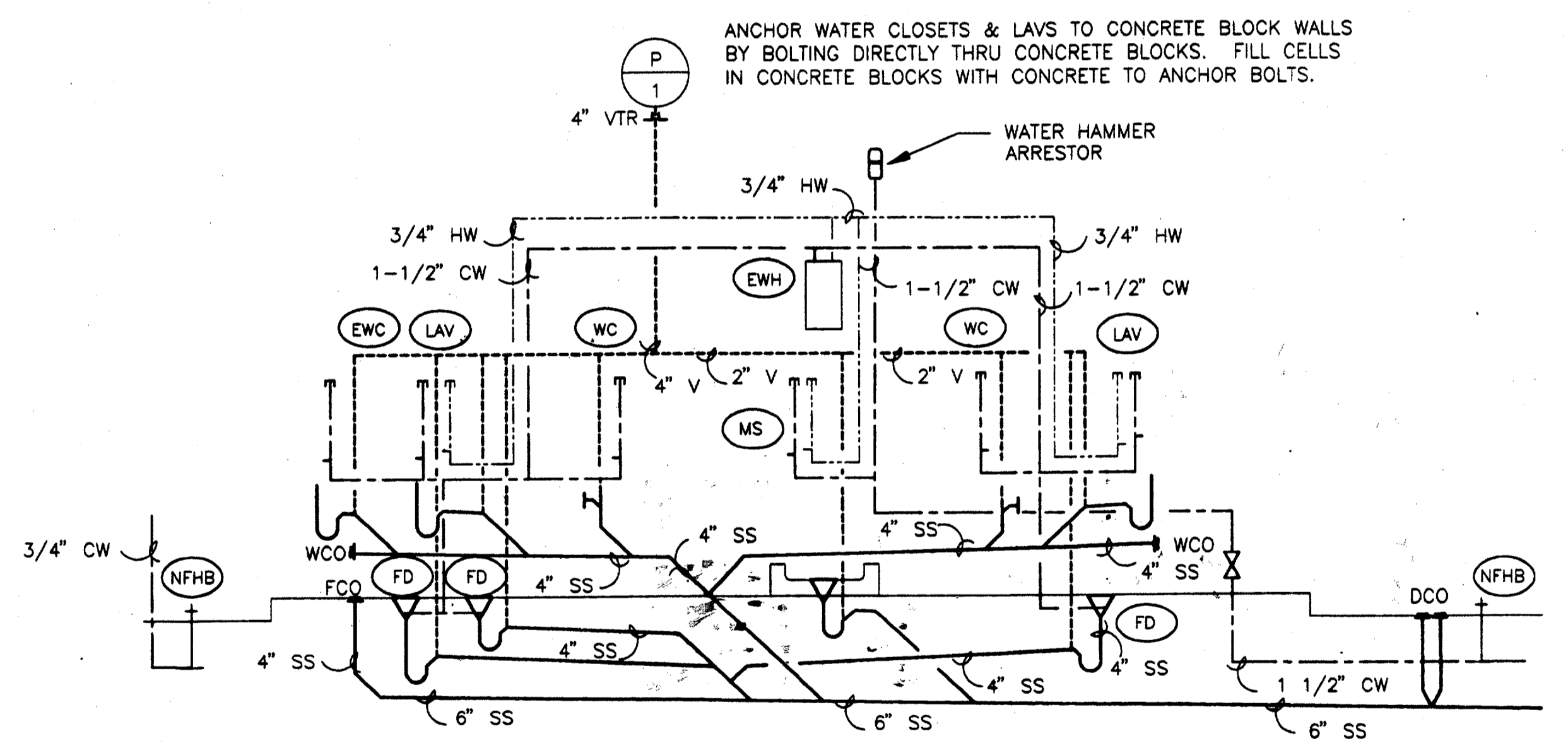
ELECTRIC WATER HEATER DETAIL 1
NOT TO SCALE PC2-0002

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 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

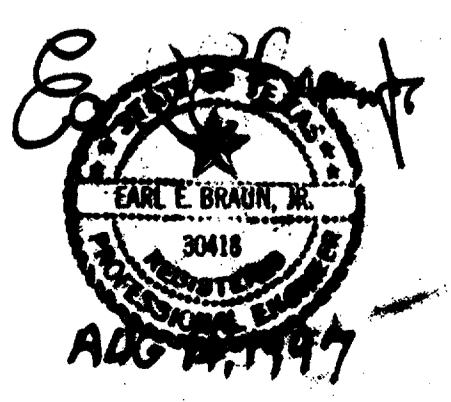
Required (As-Built) Certification
Having checked this submission, we certify that it conforms to the stated requirements of the contract in all respects, except as otherwise indicated.
Contract Number: 7700036
Company Name: JACO
Date: 7-7-99
Title of Officer: JEN KAOER, PRESIDENT
Seal of Professional Engineer of Construction Contractors, including signature and date, thereby certifying that the drawings for accuracy of all work conditions reflected herein, must be placed below.

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	REVISION AS BUILT SUBMISSION	RDM		ΔLM								
Δ													
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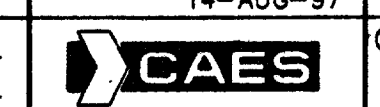
GERARD & ASSOCIATES
CONSULTING ENGINEERS
Mechanical Electrical Plumbing Systems Design
4125 N. Central Expressway Dallas, TX 75204
(214) 528-8044 FAX (214) 528-0766

WINDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
288 MAUREN CENTER BLVD - SUITE 200
DALLAS, TEXAS 75201
(972) 748-7777

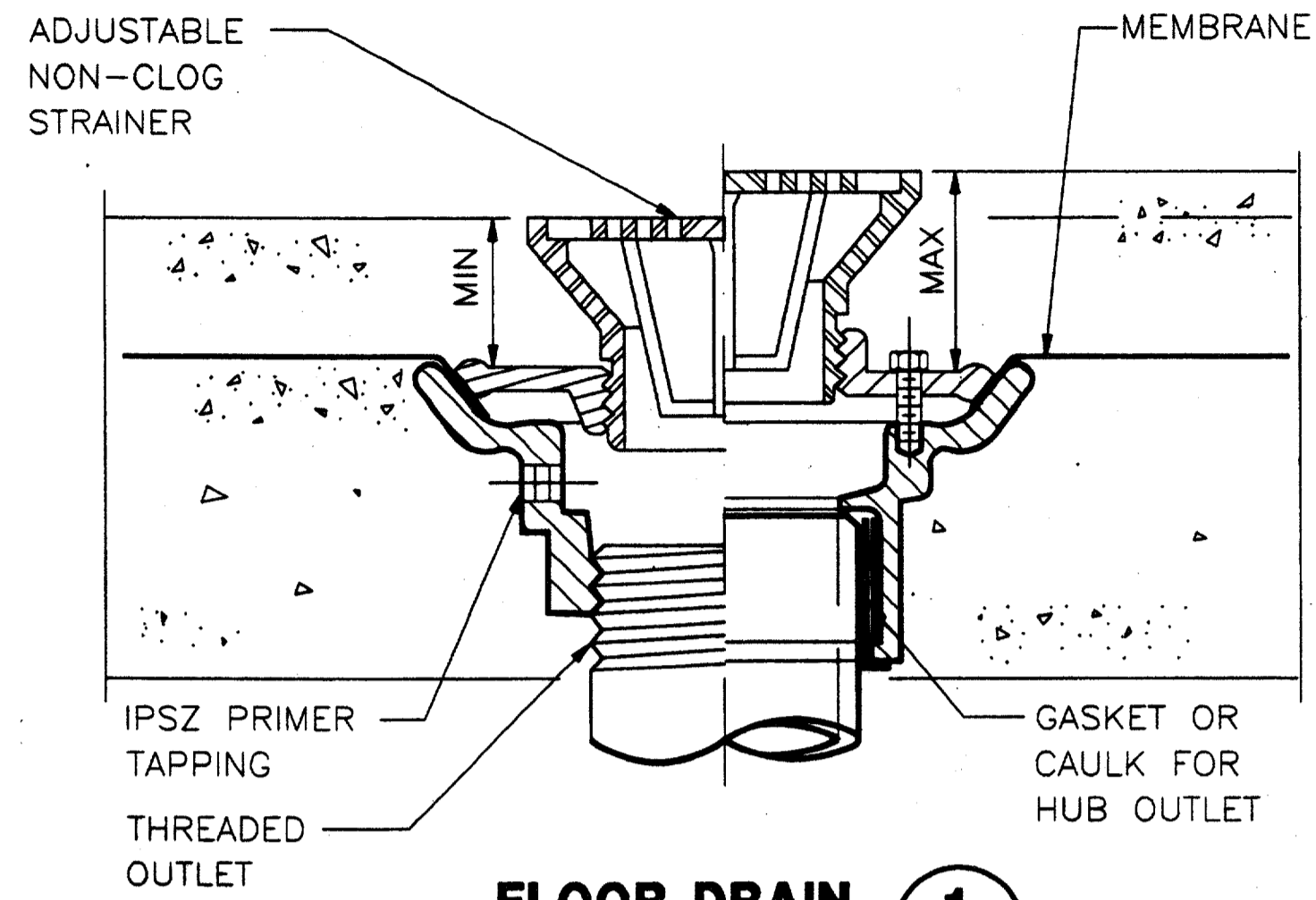
DART PROJECT



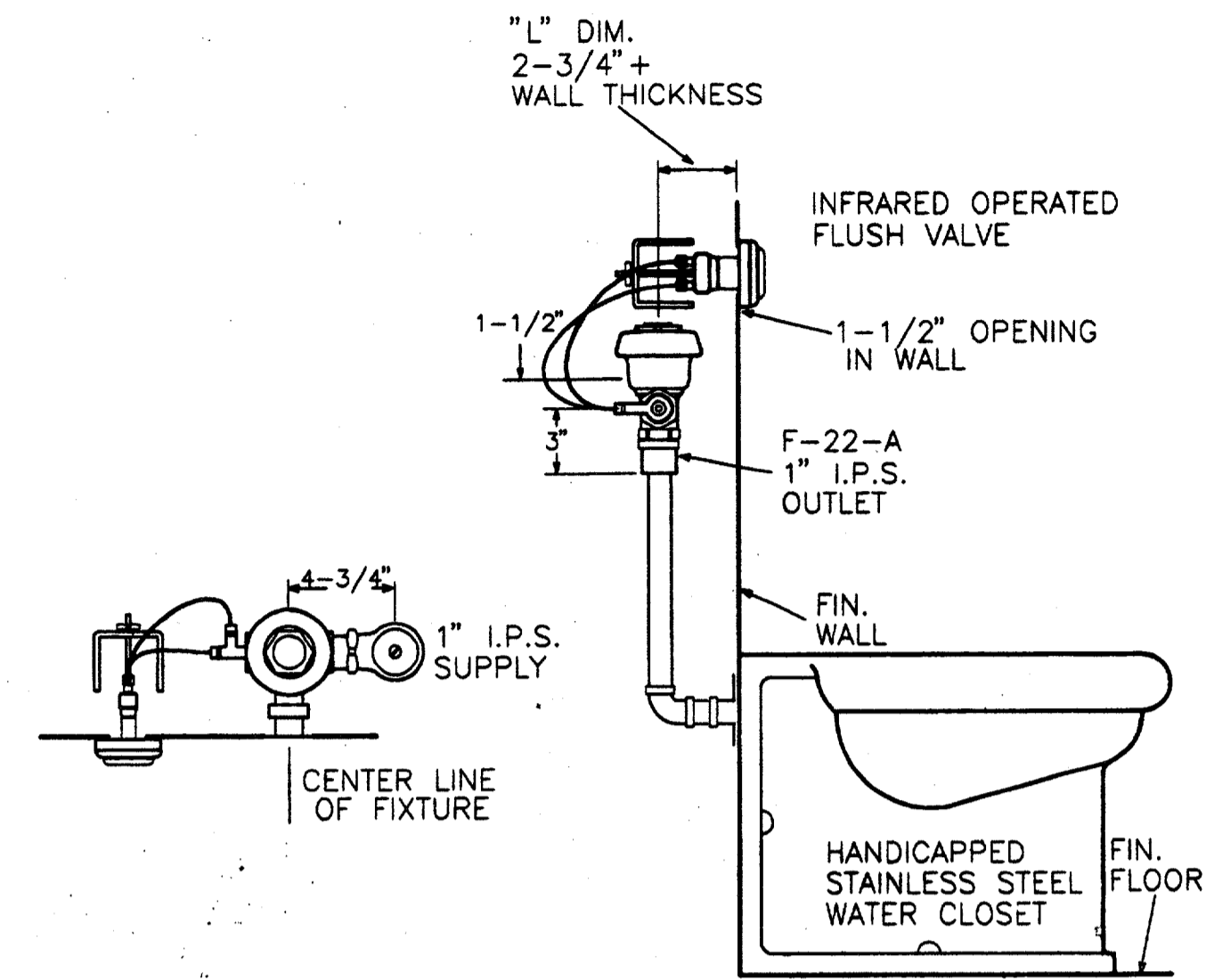
SCALE: NO SCALE
DRAWN: P. JACKSON
DESIGNED: E. BRAUN
CHECKED: W. GERARD
IN CHARGE: V. STEVENS
DATE: 14-AUG-97



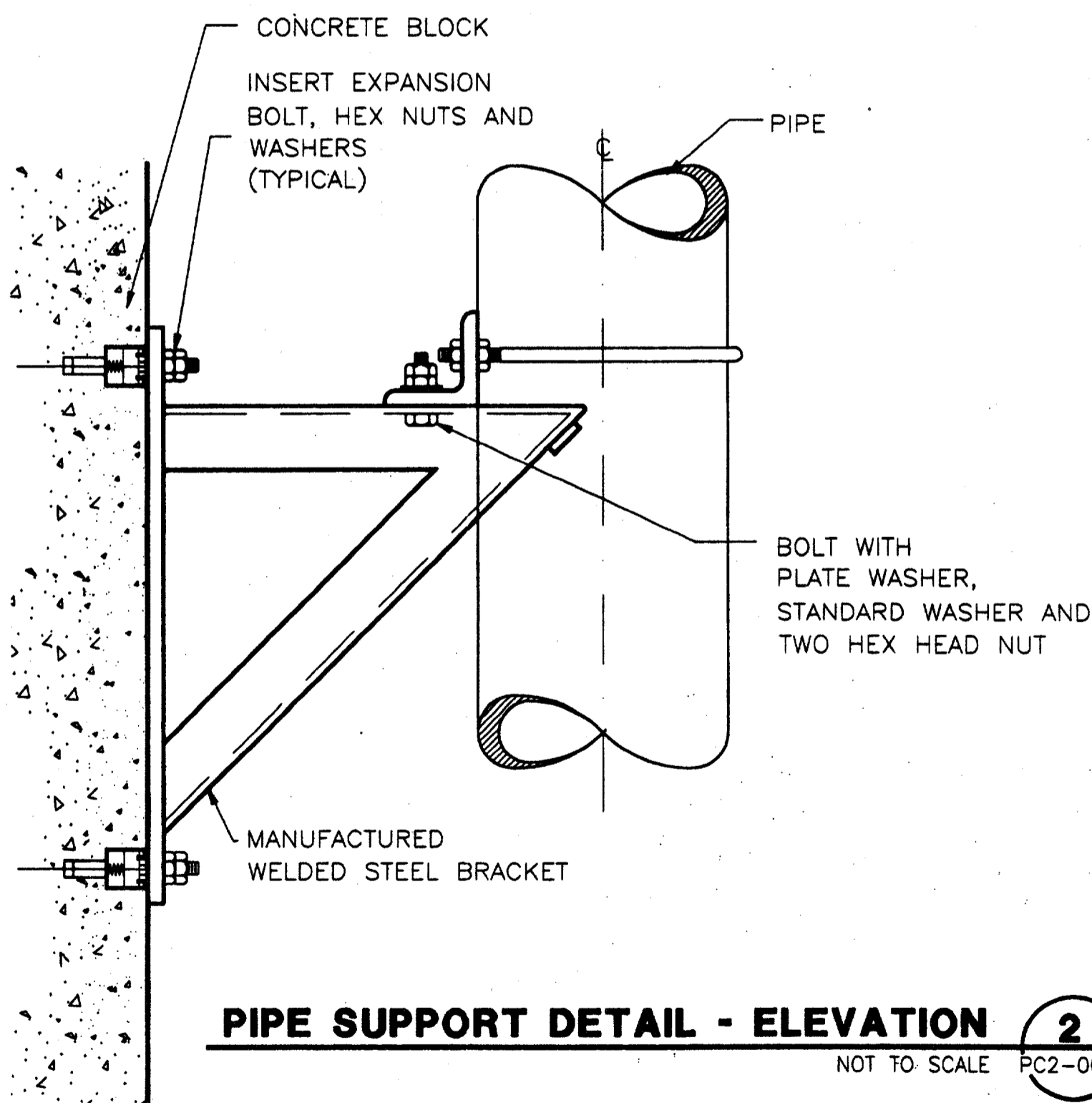
CONTRACT C-97000136 DWG. No. PC2-0002 REV. 01



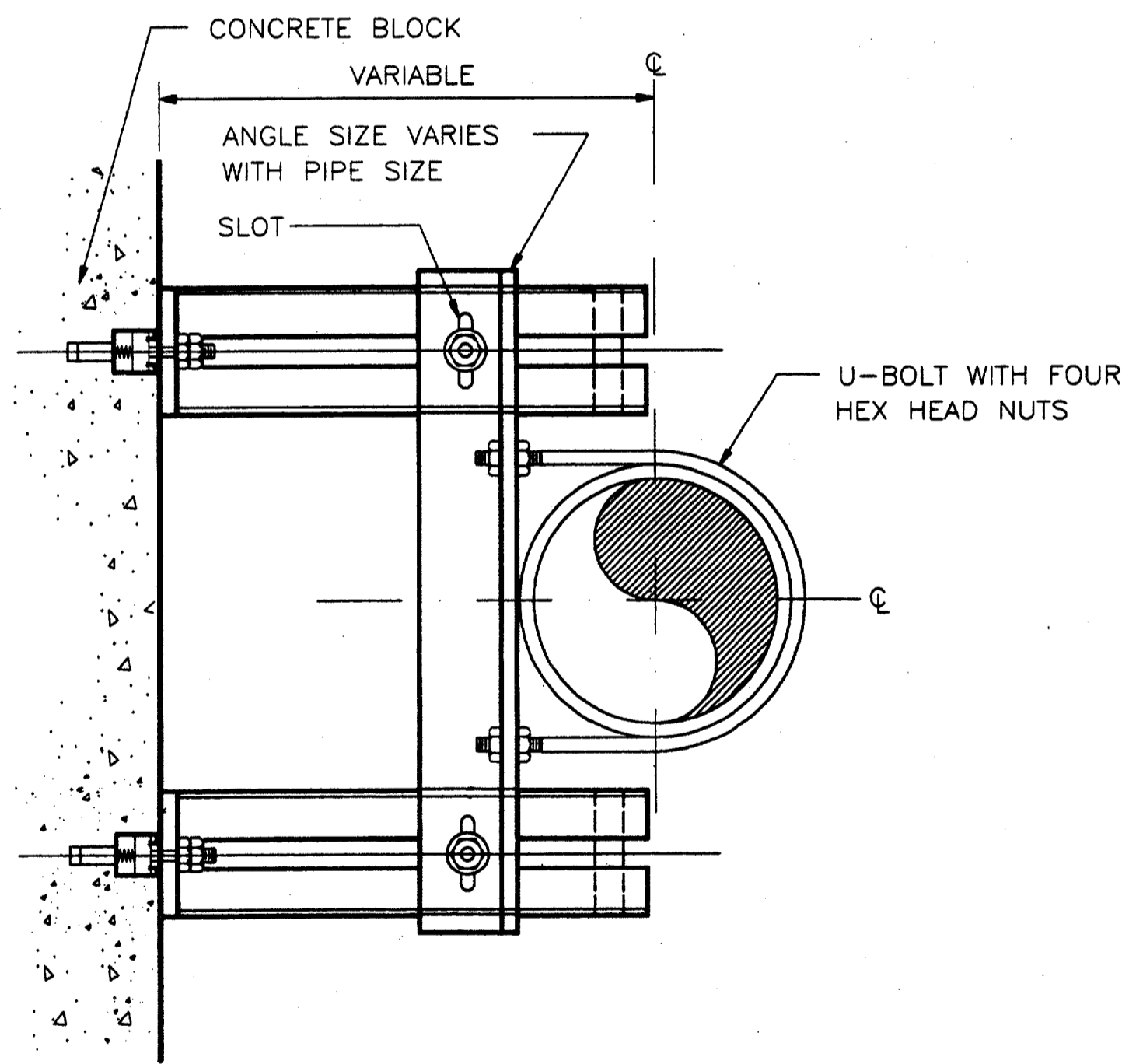
FLOOR DRAIN 1
NOT TO SCALE PC2-0002



WATER CLOSET CONCEALED INSTALLATION 4
NOT TO SCALE PC2-0003



PIPE SUPPORT DETAIL - ELEVATION 2
NOT TO SCALE PC2-0003



PIPE SUPPORT DETAIL - PLAN 3
NOT TO SCALE PC2-0003

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
Designer Name: P. JACKSON
Contractor Signature: [Signature]
Title: PRESIDENT
Date: 7-2-97

CONFORMED

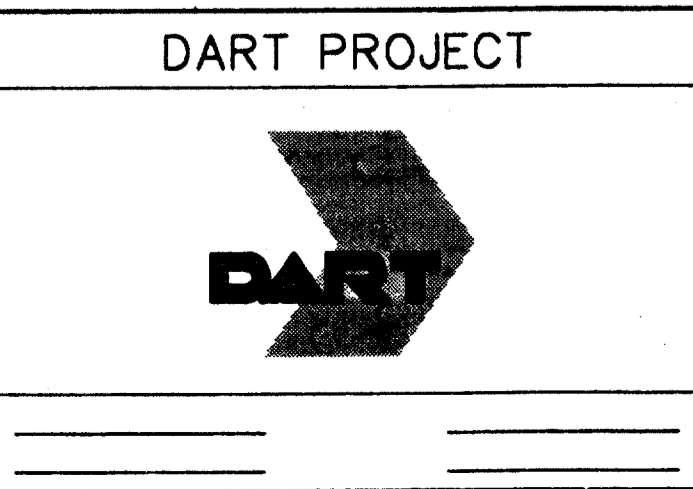
CONTRACT SHEET No. 90 of 95

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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

WLA
WINDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
125 MARKET CENTER BLVD - SUITE 200
DALLAS, TEXAS 75207
(214) 748-7777



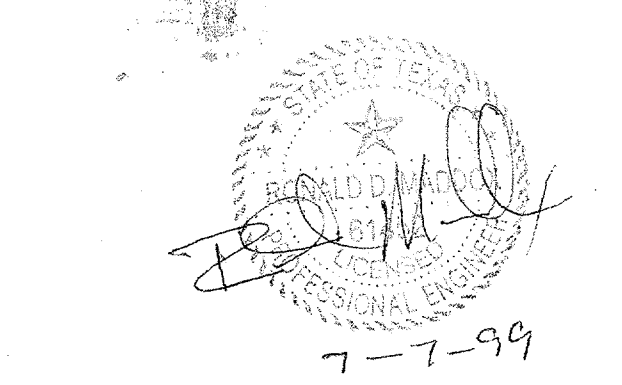
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DRAWN: P. JACKSON
DESIGNED: E. BRAUN
CHECKED: W. GERARD
IN CHARGE: V. STEVENS
DATE: 14-AUG-97

CAES
CONTRACT C-97000136
DWG. No. PC2-0003
REV. 0

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RECEPTACLE OUTLETS				TELEPHONE SYSTEM OUTLETS				SWITCH OUTLETS				PANELBOARDS SWITCHBOARD, ETC.				ELECTRICAL ABBREVIATIONS			
SYMBOL		REPRESENTS		SYMBOL		REPRESENTS		SYMBOL		REPRESENTS		SYMBOL		REPRESENTS		ABBREV.		REPRESENTS	
<p>1000-103 *ON GMD</p> <p>SINGLE RECEPTACLE (120V, 20A)</p> <p>DUPLEX RECEPTACLE (120V, 20A)</p> <p>30A-2P SINGLE SPECIAL-PURPOSE RECEPTACLE (30 AMP, 2 POLE, OR AS NOTED)*</p> <p>DUPLEX SPECIAL-PURPOSE RECEPTACLE (AS NOTED)*</p> <p>* USE SUBSCRIPT LETTERS TO INDICATE FUNCTION (FC-FARE COLLECTION, ETC.)</p> <p>FLOOR BOX WITH SINGLE RECEPTACLE</p> <p>FLOOR BOX WITH DUPLEX RECEPTACLE</p> <p>FLOOR BOX WITH SERVICE FITTING AS NOTED</p> <p>FLOOR BOX-PUBLIC TELEPHONE</p> <p>FLOOR BOX-PRIVATE TELEPHONE</p> <p>UNDERFLOOR DUCT WITH ASSOCIATED OUTLETS AS INDICATED</p> <p>UNDERFLOOR TRENCH DUCT</p>				<p>PEC PASSENGER EMERGENCY CALL TELEPHONE OUTLET</p> <p>X EPABX TELEPHONE OUTLET</p> <p>W WAYSIDE TELEPHONE OUTLET</p> <p>E ELEVATOR EMERGENCY TELEPHONE OUTLET</p> <p>P PUBLIC PAY PHONE OUTLET</p> <p>STANDARD TELEPHONE OUTLET</p> <p>DATA TERMINAL OUTLET</p>				<p>SPST SINGLE-POLE SINGLE THROW SWITCH</p> <p>S2 DOUBLE-POLE SWITCH</p> <p>S3 THREE-WAY SWITCH</p> <p>S4 FOUR-WAY SWITCH</p> <p>SK KEY-OPERATED SWITCH</p> <p>SD DOOR SWITCH</p> <p>ST TIME SWITCH</p> <p>SM MANUAL MOTOR STARTER WITH OVERLOAD DEVICE</p> <p>SMC MOMENTARY CONTACT SWITCH OR PUSH-BUTTON FOR OTHER THAN SIGNALLING SYSTEM*</p> <p>SCB CIRCUIT BREAKER SWITCH</p> <p>So SUBSCRIPT "o" DENOTES SWITCH CONTROLLING A CERTAIN LOAD (SIMILAR SUBSCRIPT TO BE AT THE LOAD)</p>				<p>DP DISTRIBUTION PANEL</p> <p>PANELBOARD</p> <p>LIGHTING PANEL</p> <p>POWER PANEL</p> <p>TERMINAL CABINET, TYPES AS FOLLOWS:</p> <p>CIC - COMMUNICATIONS INTERFACE CABINET</p> <p>FTC - FACILITIES TERMINAL CABINET</p> <p>ITC - INTERCONNECTION TERMINAL CABINET</p> <p>RTU - REMOTE TERMINAL UNIT</p> <p>TTC - TELEPHONE TERMINAL CABINET</p> <p>FCP CONTROL PANEL, TYPES AS FOLLOWS:</p> <p>ACCP - AIR CONDITIONING CONTROL PANEL</p> <p>ACP - AUXILIARY CONTROL PANEL</p> <p>VCP - VENTILATION CONTROL PANEL</p> <p>RCP - REFRIGERATION CONTROL PANEL</p> <p>TTC - FAN CONTROL PANEL</p> <p>PB PULL BOX</p> <p>EMH ELECTRICAL MANHOLE</p> <p>EHH ELECTRICAL HANDHOLE</p> <p>MOTOR CONTROLLER, SUBSCRIPT INDICATES NEMA SIZES</p> <p>FUSED DISCONNECT SWITCH: SUBSCRIPT INDICATES FUSE SIZE (AMPERES) NUMBER OF POLES WP=WEATHERPROOF</p> <p>NON-FUSED DISCONNECT SWITCH: SUBSCRIPT INDICATES SWITCH RATING (AMPERES) NUMBER OF POLES WP=WEATHERPROOF</p> <p>COMBINATION MAGNETIC MOTOR STARTER, WITH MOTOR CIRCUIT PROTECTOR. SUBSCRIPT INDICATES NEMA SIZE</p> <p>SWITCHBOARD OR MOTOR CONTROL CENTER</p> <p>START/STOP PUSHBUTTON</p> <p>EMERGENCY STOP PUSHBUTTON</p> <p>MOTOR</p>				<p>A AMPERE</p> <p>C CONDUIT</p> <p>GFCI GROUND FAULT CIRCUIT INTERRUPTER</p> <p>GR GROUND</p> <p>P POLE</p> <p>V VOLT</p> <p>VA VOLT-AMP</p> <p>W WATT</p>			
<p style="text-align: center;">FIRE AND INTRUSION ALARM SYSTEM DEVICES</p> <p>FACP PANEL, LETTER WITHIN SYMBOL INDICATES TYPE: FACP: FIRE ALARM CONTROL PANEL FMP: FIRE MANAGEMENT PANEL IACP: INTRUSION ALARM CONTROL PANEL</p> <p>F FIRE PULL STATION</p> <p>F FIRE BELL</p> <p>F FIRE HORN</p> <p>FL STANDPIPE WATER FLOW MONITOR</p> <p>H DETECTOR = H-HEAT, S-SMOKE, C-COMBUSTIBLE PRODUCTS</p> <p>V VALVE POSITION MONITOR</p> <p>A ANNUNCIATOR</p> <p>FIROSE CABINET MONITOR</p> <p>D DOOR MONITOR</p> <p>W WINDOW MONITOR</p> <p>F FIRE HOTLINE TELEPHONE</p> <p>I INTRUSION ALARM</p> <p>M MOTION DETECTOR</p> <p>AV AUDIO/VISUAL FIRE ALARM (HORN AND STROBE LIGHT)</p>				<p style="text-align: center;">CONDUCTORS AND CONDUITS</p> <p>----- RACEWAY CONCEALED IN FLOOR, WALL, OR CEILING</p> <p>----- RACEWAY EXPOSED</p> <p>----- RACEWAY BELOW GRADE</p> <p>----- TELEPHONE SERVICE CONDUIT</p> <p>----- ELECTRICAL SERVICE CONDUIT</p> <p>LA-1,3,5 BRANCH CIRCUIT HOME RUN TO PANELBOARD. LA IDENTIFIES PANEL, OTHER NUMBERS IDENTIFY CIRCUITS; COMMAS: SEPARATE CIRCUITS (SINGLE POLE)</p> <p>NUMBERS INSIDE BRACKETS INDICATE MULTI POLE CIRCUIT. NUMBER TO LEFT OF SLASH INDICATES AMP RATING, NUMBER TO RIGHT OF SLASH INDICATES NUMBER OF POLES.</p> <p>NEUTRAL, HOT, SWITCHED, GROUND, NO CROSS LINES INDICATES 3 WIRES ONLY, UNLESS NOTED.</p> <p>WIRE AND RACEWAY, GALVANIZED RIGID CONDUIT UNLESS NOTED. QUANTITY AND SIZE OF WIRES - CONDUIT SIZE</p> <p>SYSTEM IDENTIFICATION AS FOLLOWS: TV-TELEVISION, FC-FARE COLLECTION, T-TELEPHONE (PUBLIC), PA-PUBLIC ADDRESS, IC-INTERCOMM., FA-FIRE ALARM, S-SIGNAL, ET-EMERGENCY TELEPHONE E-EMERGENCY CIRCUIT TB-PABX, C-CONTROLS, IA-INTRUSION ALARM, TM-MAINTENANCE TELEPHONE, TC-TRAIN CONTROL, A-AUXILIARY, C-COMMUNICATIONS CORR-CORROSION CONTROL.</p> <p>FEEDER OR HOMERUN RACEWAY IDENTIFICATIONS AS FOLLOWS: A-AUXILIARY, TR-TRACTION POWER, TC-TRAIN CONTROL, C-COMMUNICATIONS</p> <p>RACEWAY TURNED UP OR TOWARDS VIEWER</p> <p>RACEWAY TURNED DOWN OR AWAY FROM VIEWER</p> <p>UNDERGROUND CONDUIT BANK (INDICATE TYPE, SIZE AND NUMBER OF CONDUITS BY CROSS SECTION IDENTIFICATION OF EACH RUN, OR BY NOTATION)</p> <p>GROUND ROD</p> <p>RACEWAY CAPPED</p> <p>GROUND GRID-(COUNTER POISE)</p> <p>SURFACE WIREWAY WITH DEVICE OUTLETS</p> <p>BUSDUCT</p> <p>GROUND CONNECTION PER APPLICABLE EDITION OF THE NATIONAL ELECTRICAL CODE.</p>				<p style="text-align: center;">LIGHTING OUTLETS</p> <p>CLG WALL</p> <p>X X HIGH INTENSITY DISCHARGE OR INCANDESCENT LAMP FIXTURE (SUBSCRIPT "X" DENOTES FIXTURE TYPE)</p> <p>E E FLUORESCENT FIXTURE</p> <p>E E EMERGENCY LIGHTING FIXTURE</p> <p>X X EXIT LIGHTING FIXTURE ARROWS AS REQUIRED</p> <p>B B BLANKED OUTLET</p> <p>J J JUNCTION BOX</p> <p>J J LETTER SUBSCRIPT DESIGNATES SWITCH CONTROLLING</p> <p>FLOODLIGHT, ARROWS INDICATE DIRECTION OF BEAM</p> <p>SIGNAL LIGHT, EITHER FLASHING OR NON-FLASHING</p> <p>PARKING LIGHT POLE & FIXTURE</p> <p>EMERGENCY LIGHT UNIT WITH BATTERY</p> <p>GRAPHIC SIGN</p>				<p style="text-align: center;">GENERAL NOTES:</p> <p>(APPLICABLE TO ALL ELECTRICAL DRAWINGS)</p> <ol style="list-style-type: none"> ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF NATIONAL ELECTRICAL CODE (NEC) LOCAL CODES AND REGULATIONS AND TEXAS STATE LABOR AND INDUSTRIAL CODES. ALL MOTORS, POWER EQUIPMENT, PANELS, LIGHTING FIXTURES, RECEPTACLES, METAL ENCLOSED EQUIPMENT, TOGGLE SWITCHES AND THREE PHASE CIRCUITS SHALL BE GROUNDED WITH GROUND WIRE SIZED PER NEC. ALL CONTROL DEVICES ARE SHOWN IN THEIR PASSIVE POSITION. ALL CONDUIT AND CONDUIT FITTINGS SHALL BE HOT DIPPED GALVANIZED RIGID STEEL UNLESS OTHERWISE NOTED. COLOR CODING OF WIRES SHALL BE AS REQUIRED BY THE NATIONAL ELECTRICAL CODE. SYMBOLS AND ABBREVIATIONS SHOWN HERE MAY INCLUDE ITEMS WHICH ARE NOT PART OF THIS CONTRACT. 							
												<p style="text-align: center;">FIXTURE TYPE SYMBOL</p> <p>a. LETTER-NUMBER ABOVE CENTER BAR INDICATES TYPE OF FIXTURE.</p> <p>b. NUMBER BELOW THE CENTER BAR INDICATES TOTAL WATTAGE OF LAMPS (AND BALLASTS IF APPLICABLE)</p> <p>c. NUMBER ABOVE OR ADJACENT TO SYMBOL INDICATES THE HEIGHT ABOVE FINISHED FLOOR TO BOTTOM OF FIXTURE</p>							

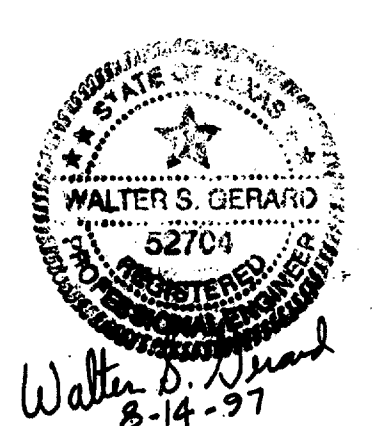
Second (As-Built) Construction
 Having checked this submission, we certify that it conforms to the requirements of the contract in all respects, and we assume no liability for errors or omissions.
 Contract Number: 9700136
 Drawn: P. LLOYD
 Checked: W. GERARD
 In Charge: V. STEVENS
 Date: 14 AUG 97
 Signature: *Tom Fader*
 Title: PRESIDENT
 Seal:



CONFORMED

CONTRACT SHEET No. 91 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP



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

WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 1823 MARKET CENTER BLVD - SUITE 510
 DALLAS, TEXAS 75207
 (214) 746-7777

DART PROJECT

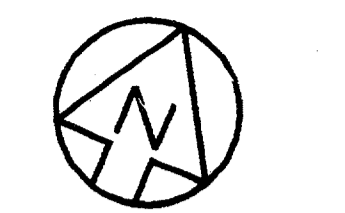
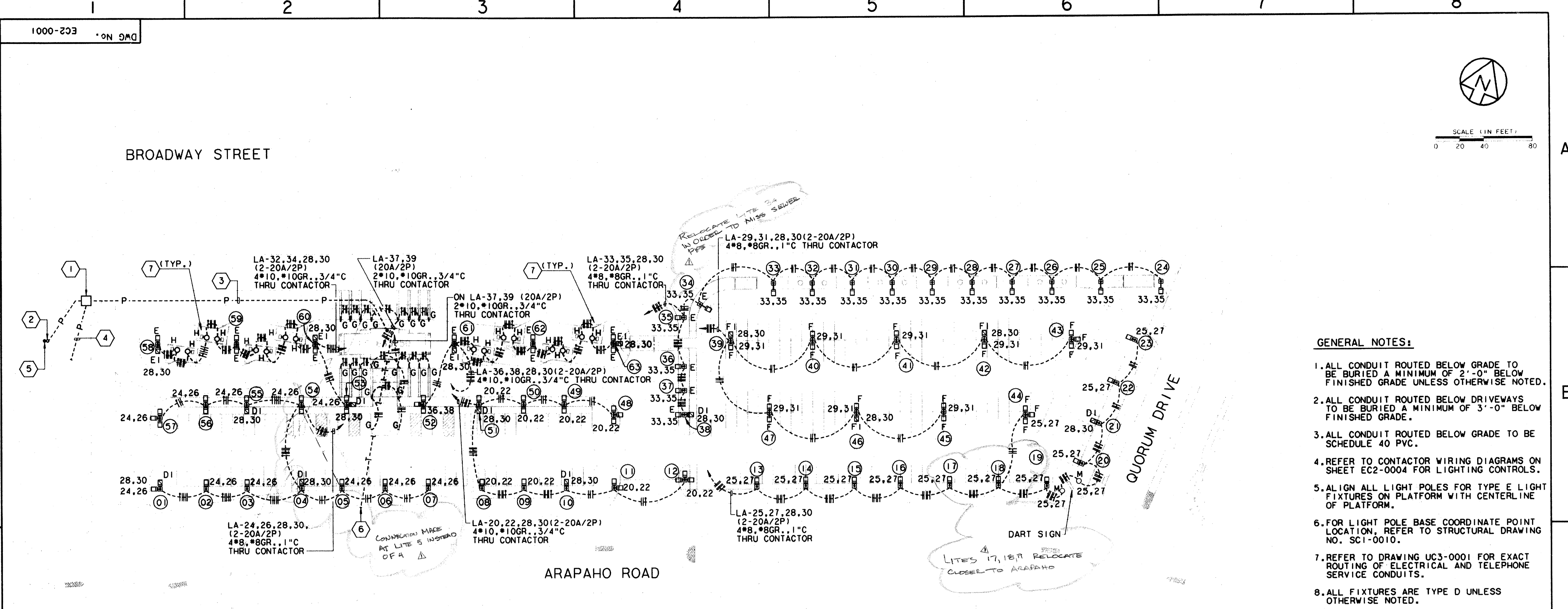
SCALE	NO SCALE
DRAWN	P. LLOYD
DESIGNED	W. GERARD
CHECKED	W. GERARD
IN CHARGE	V. STEVENS
DATE	14 AUG 97

ADDISON TRANSIT CENTER
ABBREVIATIONS AND SYMBOLS-ELECTRICAL

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

BTCEL05,001
 161CEB01,008 BORDER
 \$\$\$FILE3\$\$\$
 \$\$\$FILE4\$\$\$
 \$\$\$FILE5\$\$\$

\$\$\$DGN\$\$\$SPECIFIC I CAT ION\$
 \$\$\$SYTIME\$
 \$\$\$PRF\$\$\$
 \$\$\$USERNAME\$\$\$
 \$\$\$PRF ROT\$\$\$
 \$\$\$PEN\$\$\$
 ADDSR20.DGN LANDNEW
 ABTCCPR1.040 SITE
 \$\$\$FILE\$\$\$
 \$\$\$FILE\$\$\$
 \$\$\$FILE10\$\$\$
 BTCELR1.040 UTIL
 ASEHZ.DGN SITE1
 BTCELR1.001 BORDER
 BTCELR1.040 ELEC



SCALE (IN FEET)
0 20 40 80

GENERAL NOTES:

1. ALL CONDUIT ROUTED BELOW GRADE TO BE BURIED A MINIMUM OF 2'-0" BELOW FINISHED GRADE UNLESS OTHERWISE NOTED.
2. ALL CONDUIT ROUTED BELOW DRIVEWAYS TO BE BURIED A MINIMUM OF 3'-0" BELOW FINISHED GRADE.
3. ALL CONDUIT ROUTED BELOW GRADE TO BE SCHEDULE 40 PVC.
4. REFER TO CONTACTOR WIRING DIAGRAMS ON SHEET EC2-0004 FOR LIGHTING CONTROLS.
5. ALIGN ALL LIGHT POLES FOR TYPE E LIGHT FIXTURES ON PLATFORM WITH CENTERLINE OF PLATFORM.
6. FOR LIGHT POLE BASE COORDINATE POINT LOCATION, REFER TO STRUCTURAL DRAWING NO. SCI-0010.
7. REFER TO DRAWING UC3-0001 FOR EXACT ROUTING OF ELECTRICAL AND TELEPHONE SERVICE CONDUITS.
8. ALL FIXTURES ARE TYPE D UNLESS OTHERWISE NOTED.

KEY NOTES:

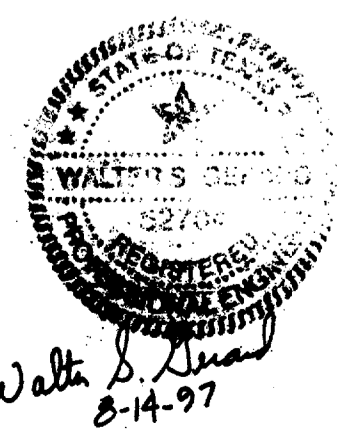
- 1 7'-10" x 7'-10" TRANSFORMER PAD FOR TU ELECTRIC CO. PAD MOUNTED TRANSFORMER.
- 2 2-4" EMPTY CONDUITS WITH PULL ROPES. STUB UP AT POWER POLE 10'-0" ABOVE GRADE AND CAP.
- 3 ELECTRICAL SERVICE FEEDER. REFER TO ELECTRICAL RISER DIAGRAM ON DRAWING EC2-0004.
- 4 2-4" EMPTY CONDUITS WITH PULL ROPES. STUB OUT AS SHOWN AND CAP.
- 5 TU ELECTRIC COMPANY POWER POLE.
- 6 2" EMPTY CONDUIT WITH PULL ROPE FOR TELEPHONE SERVICE. STUB OUT AT PROPERTY LINE AND CAP. COORDINATE WITH TELEPHONE COMPANY.
- 7 ROUTE CONDUIT TO CANOPY LIGHT FIXTURES INSIDE TRUSS. REFER TO DRAWING AC2-0001, DETAIL 2 AND 5.

SITE PLAN-ELECTRICAL (01)
SCALE: 1"=40'

Report (As Built) Certification
 Having checked the submission, we certify that it conforms to the
 requirements of the contract documents, except as otherwise noted.
 Contract Number: 97-0036
 Company Name: WALTER'S SERVICE SYSTEMS, INC.
 Officer of Firm Signature: [Signature]
 Date: 7-7-99
 Title of Officer (Typed): PRESIDENT
 Seal of Professional Engineer of Construction Contractor, including signature
 and date. Integrity seal record (for quality drawings for accuracy of as-built
 condition) shall be retained hereon, must be placed below:

LIGHT POLE BASE COORDINATES								
REFER TO GENERAL NOTE #6.								
PNT NO.	NORTHING	EASTING	PNT NO.	NORTHING	EASTING	PNT NO.	NORTHING	EASTING
01	4697.2460	4292.1480	22	5090.8260	4982.8100	43	5109.2260	4934.2520
02	4712.3760	4326.8440	23	5129.4990	4982.6820	44	5036.5290	4924.1530
03	4725.9020	4357.8480	24	5181.6740	4383.5345	45	5012.0840	4861.1740
04	4744.2076	4399.2065	25	5162.2800	4937.8560	46	4983.2960	4795.1820
05	4757.2830	4429.5767	26	5146.1580	4900.8840	47	4954.5060	4729.1880
06	4771.5120	4462.3950	27	5132.9660	4870.6410	48	4902.1900	4611.8600
07	4785.7920	4495.1270	28	5119.7660	4840.3900	49	4893.9810	4570.8380
08	4803.5770	4535.8940	29	5106.5740	4810.1470	50	4880.5450	4540.0400
09	4817.5295	4567.5312	30	5093.3740	4779.8960	51	4865.8110	4506.2660
10	4831.2722	4599.8453	31	5080.1820	4749.6530	52	4847.4358	4464.1376
11	4847.2960	4635.9400	32	5066.9820	4719.4020	53	4822.0450	4405.9360
12	4876.5160	4686.8910	33	5054.1220	4689.9230	54	4807.1330	4371.7550
13	4895.0730	4743.6760	34	5014.3170	4640.9960	55	4789.0480	4330.3010
14	4911.5510	4780.6700	35	4999.0440	4633.3870	56	4775.6170	4299.2540
15	4927.3060	4817.5610	36	4962.2620	4649.4330	57	4750.3810	4268.9120
16	4942.4610	4852.3000	37	4943.8330	4657.5790	58	4805.7360	4243.1250
17	4958.7380	4889.6120	38	4925.4620	4665.4860	59	4831.7280	4302.7030
18	4974.8280	4926.4960	39	4996.7530	4676.1800	60	4857.7240	4362.2820
19	4990.1620	4963.5950	40	5053.8940	4738.1920	61	4903.6990	4467.6870
20	5018.5810	4983.0480	41	5051.5740	4801.6430	62	4929.6920	4527.2620
21	5054.3590	4982.9290	42	5080.6570	4867.9820	63	4956.2520	4588.1450

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
△	8/3/99	Record As Built	RBM				△						
△							△						
△							△						
△							△						
△							△						
△							△						



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



WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING - SURVEYING - CONSTRUCTION SERVICES
 1825 MARKET CENTER BLVD - SUITE 510
 DALLAS, TEXAS 75207
 (214) 744-7777

DART PROJECT
DART

SCALE	1" = 40'
DRAWN	P. LLOYD
DESIGNED	V. GERARD
CHECKED	V. GERARD
IN CHARGE	V. STEVENS
DATE	14 AUG 97

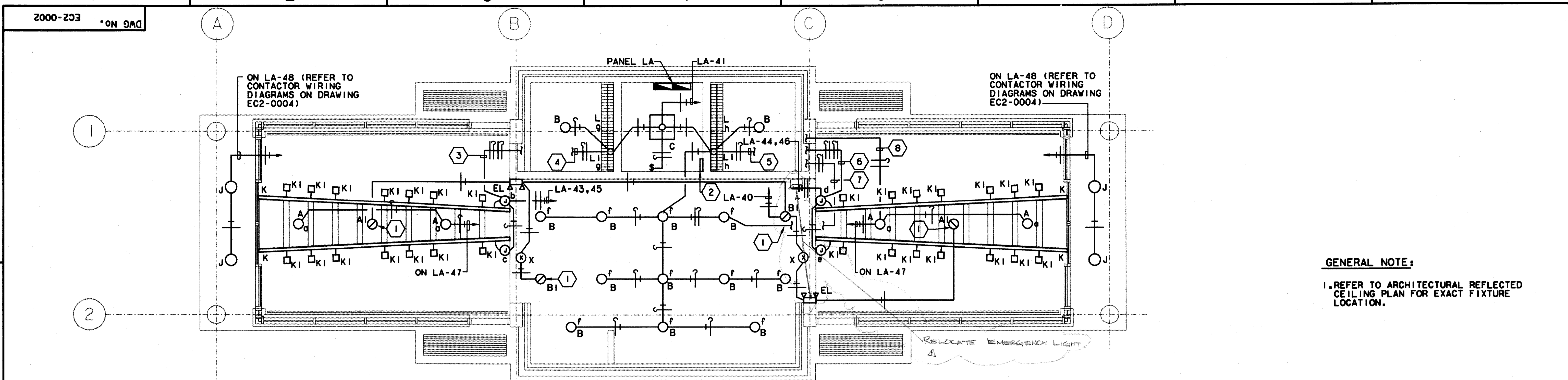
CONFORMED

CONTRACT SHEET No. 92 OF 95

**ADDISON
TRANSIT CENTER
SITE ELECTRICAL PLAN**

CONTRACT	DWG No.	REV
C-97000136	EC2-0001	0

\$\$\$\$SPECIFICATIONS\$\$\$\$
 \$\$\$\$SYTIME\$\$\$\$
 \$\$\$PRF\$\$\$
 \$\$\$USERNAME\$\$\$
 \$\$\$ROT\$\$\$
 \$\$\$PEN\$\$\$
 \$\$\$FILE6\$\$\$
 \$\$\$FILE7\$\$\$
 \$\$\$FILE8\$\$\$
 \$\$\$FILE9\$\$\$
 \$\$\$FILE10\$\$\$
 ABTCELO3.004 ELEC
 ABTCELR3.008 ELEC
 ABTCCACR1.DGN RCP
 \$\$\$FILE4\$\$\$
 \$\$\$FILE5\$\$\$



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 a, 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. VRB1/100MH120/DB-P	100 W MH	SITE
A1	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.
B1	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.
D1	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
E1	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.
F1	SAME AS TYPE F EXCEPT USED FOR SECURITY.						

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:
 Company Name:
 Officer of Firm Signature:
 Date:
 Officer of Firm Name (typed):
 Title of Officer (typed):
 Seal of Professional Engineer of Construction Contractors, including signature and date, thereby attesting record (as-built) drawings for accuracy of as-built condition reflected herein, must be placed below:

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	Revised As-Built Schedule		RDM		JLM							

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

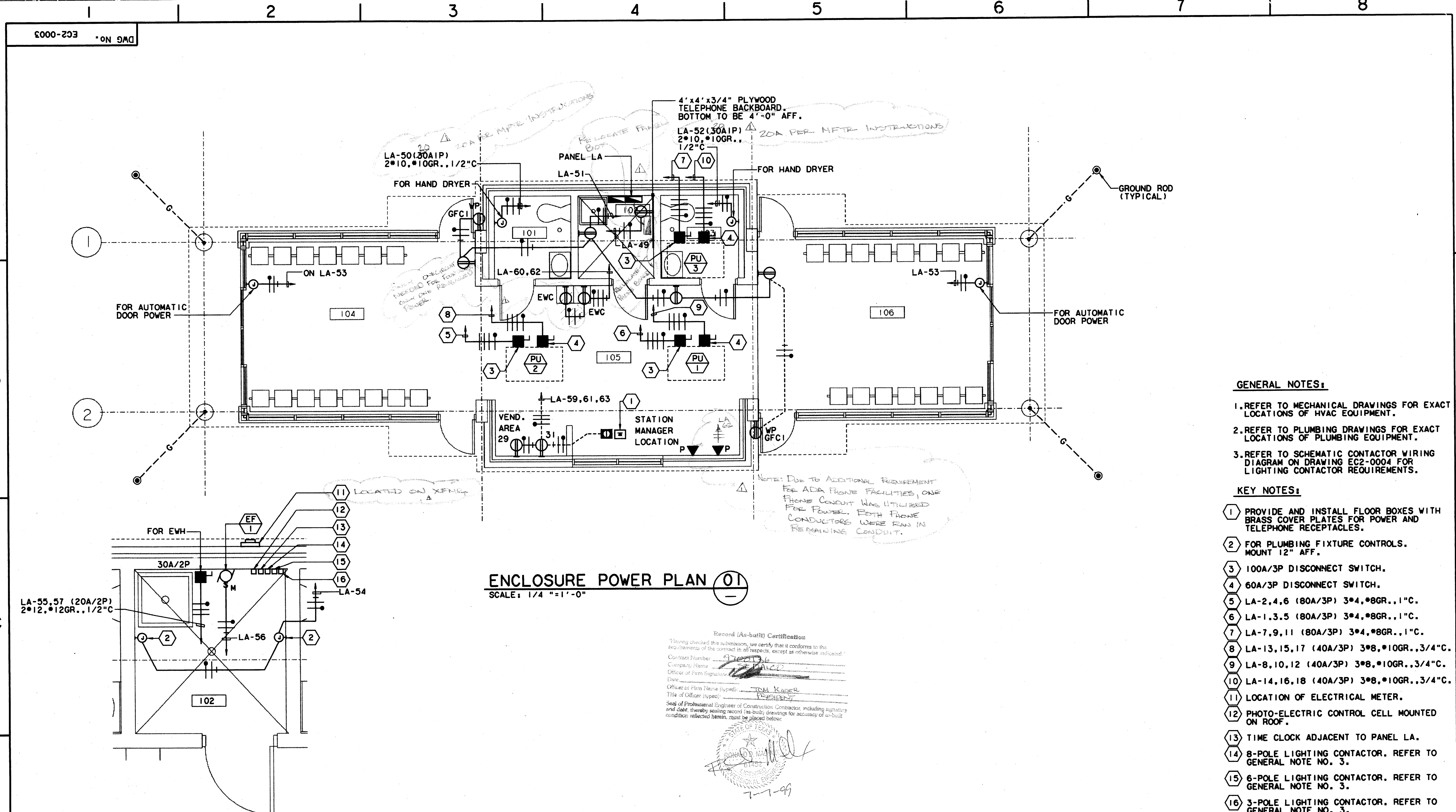
WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
 100 MARKET CENTER BLVD - SUITE 510
 DALLAS, TEXAS 75207
 (214) 746-7777

DART PROJECT

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

CONTRACT C-97000136
 DWG No. EC2-0002
 REV 01

\$\$\$SYTIME\$\$\$\$
 \$\$\$PRF\$\$\$\$
 \$\$\$USERNAME\$\$\$\$
 \$\$\$PRF ROT\$\$\$\$
 \$\$\$PEN\$\$\$\$
 \$\$\$ILE6\$\$\$\$
 \$\$\$ILE7\$\$\$\$
 \$\$\$ILE8\$\$\$\$
 \$\$\$ILE9\$\$\$\$
 \$\$\$ILE10\$\$\$\$
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 \$\$\$ILE18\$\$\$\$
 \$\$\$ILE19\$\$\$\$
 \$\$\$ILE20\$\$\$\$



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

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

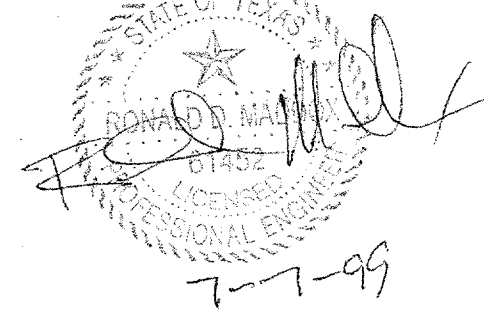
GENERAL NOTES:

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.

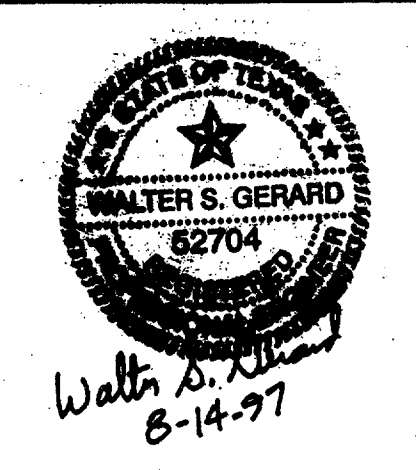
Record (As-built) Certification
 Having checked this submission, we certify that it conforms to the requirements of the contract in all respects, except as otherwise indicated.
 Contract Number: 970206
 Company Name: WALTER S. GERARD & ASSOCIATES
 Officer of Firm Signature: [Signature]
 Date: 7-7-99
 Officer of Firm Name (typed): WALTER S. GERARD
 Title of Officer (typed): PRESIDENT
 Seal of Professional Engineer of Construction Contractor, including signature and date, thereby sealing record (as-built) drawings for accuracy of as-built condition reflected herein, must be placed below.



CONFORMED

CONTRACT SHEET No. 94 OF 95

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



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



WENDY LOPEZ & ASSOCIATES, INC.
 ENGINEERING - SURVEYING - CONSTRUCTION SERVICES
 125 MARKET CENTER BLVD - SUITE 510
 DALLAS, TEXAS 75207
 (214) 742-7777

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

CAES CONTRACT C-97000136

DWG No. EC2-0003

REV 01

ITCB01.004 BORDER
 ITCB02.004 POWER
 ITCB03.004 ARCH
 ITCB04.004 JANITOR

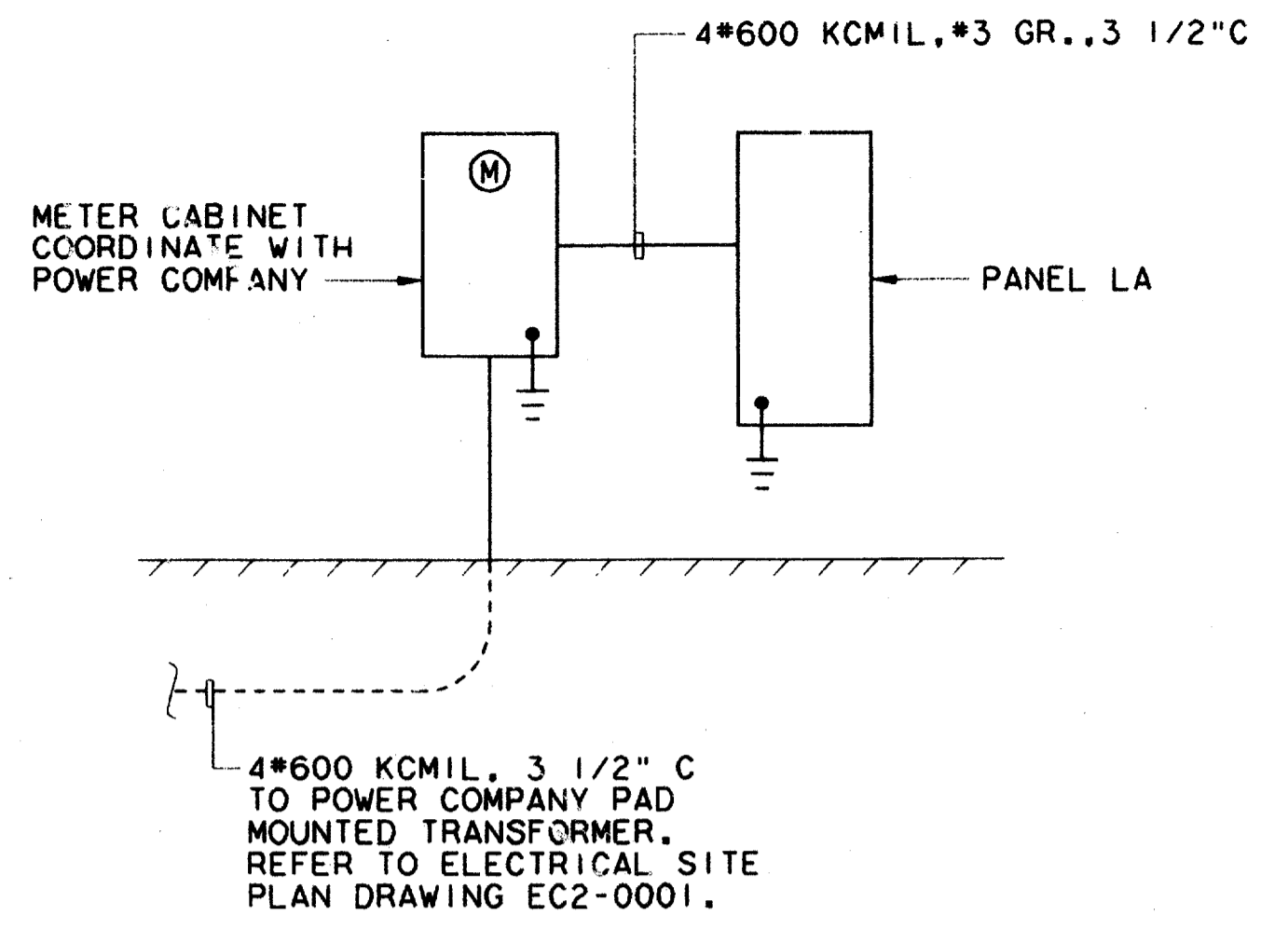
\$\$\$\$\$\$SPECIFICATION\$\$\$\$\$\$\$\$
 \$\$\$\$SYTIME\$\$\$\$\$\$
 \$\$\$PRF\$\$\$
 \$\$\$USERNAME\$\$\$
 \$\$\$PRF ROT\$\$\$
 \$\$\$PEN\$\$\$
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 \$\$\$FILE19\$\$\$
 \$\$\$FILE20\$\$\$

P000-203 DDM No. 000

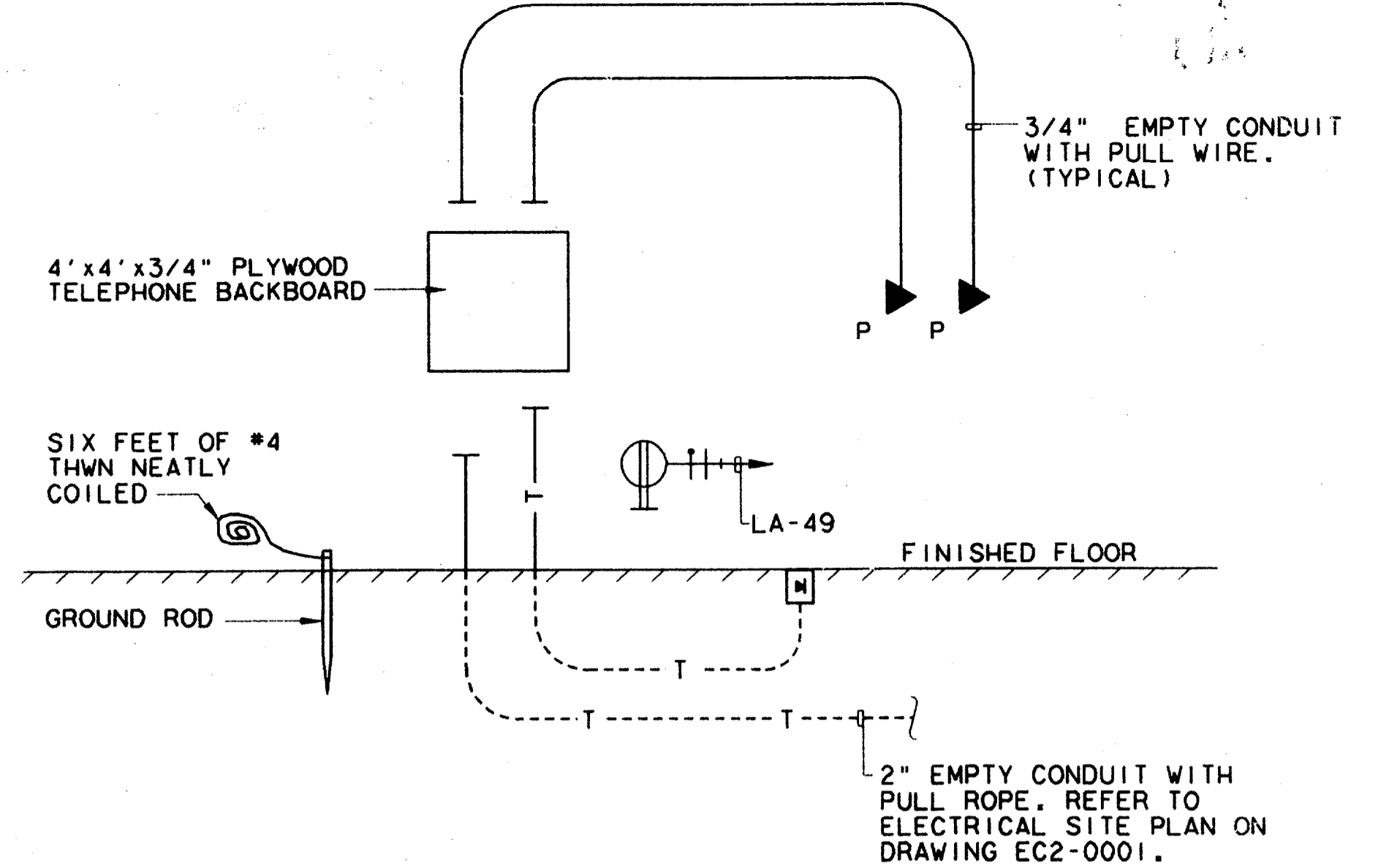
PANEL LA
 120/208 VOLT 3 PHASE 4 WIRE SURFACE MOUNTED
 400 AMP MCB NEMA I 30,000 AIC

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	3	5			●	6	3	5,814	
PU-3 (HEATING)	5,814	80	7	●			8	40	3,072	PU-1 (COOLING)
	5,814		9		●		10		3,072	
	5,814	3	11			●	12	3	3,072	
PU-2 (COOLING)	3,072	40	13	●			14	40	3,072	PU-3 (COOLING)
	3,072		15		●		16		3,072	
	3,072	3	17			●	18	3	3,072	
SPACE			19	●			20	20	1,613	EXTERIOR LIGHTING
			21		●		22		1,613	
		3	23			●	24	20	1,505	
EXTERIOR LIGHTING	1,613	20	25	●			26	2	1,505	
	1,613	2	27		●		28	20	1,613	
	1,505	20	29			●	30	2	1,613	
	1,505	2	31		●		32	20	1,505	
EXTERIOR LIGHTING	1,613	20	33	●			34	2	1,505	
	1,613	2	35		●		36	20	1,505	
EXTERIOR LIGHTING	1,290	20	37	●			38	2	1,505	
	1,290	2	39			●	40	20	580	EMERGENCY LIGHTING
SPACE			41	●			42			SPACE
LIGHTING	1,050	20	43	●			44	20	1,050	LIGHTING
	1,050	20	45		●		46	20	1,050	
	600	20	47			●	48	20	144	EXTERIOR LIGHTING
TELEPHONE BACKBOARD	1,000	20	49	●			50	30/20	1,800	HAND DRYER
RECEPTACLES	1,080	20	51	●			52	30/20	1,800	
AUTO. DOOR POWER	400	20	53		●		54	20	200	PLUMB FIXTURE CTRLS
EWI	1,744	20	55	●			56	20	200	EF-1
	1,744	2	57		●		58	20	100	CONTACTOR CONTROLS
VENDING MACHINE	1,000	20	59		●		60	20	1,000	EWC
	1,000	20	61	●			62	20	1,000	EWC
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			

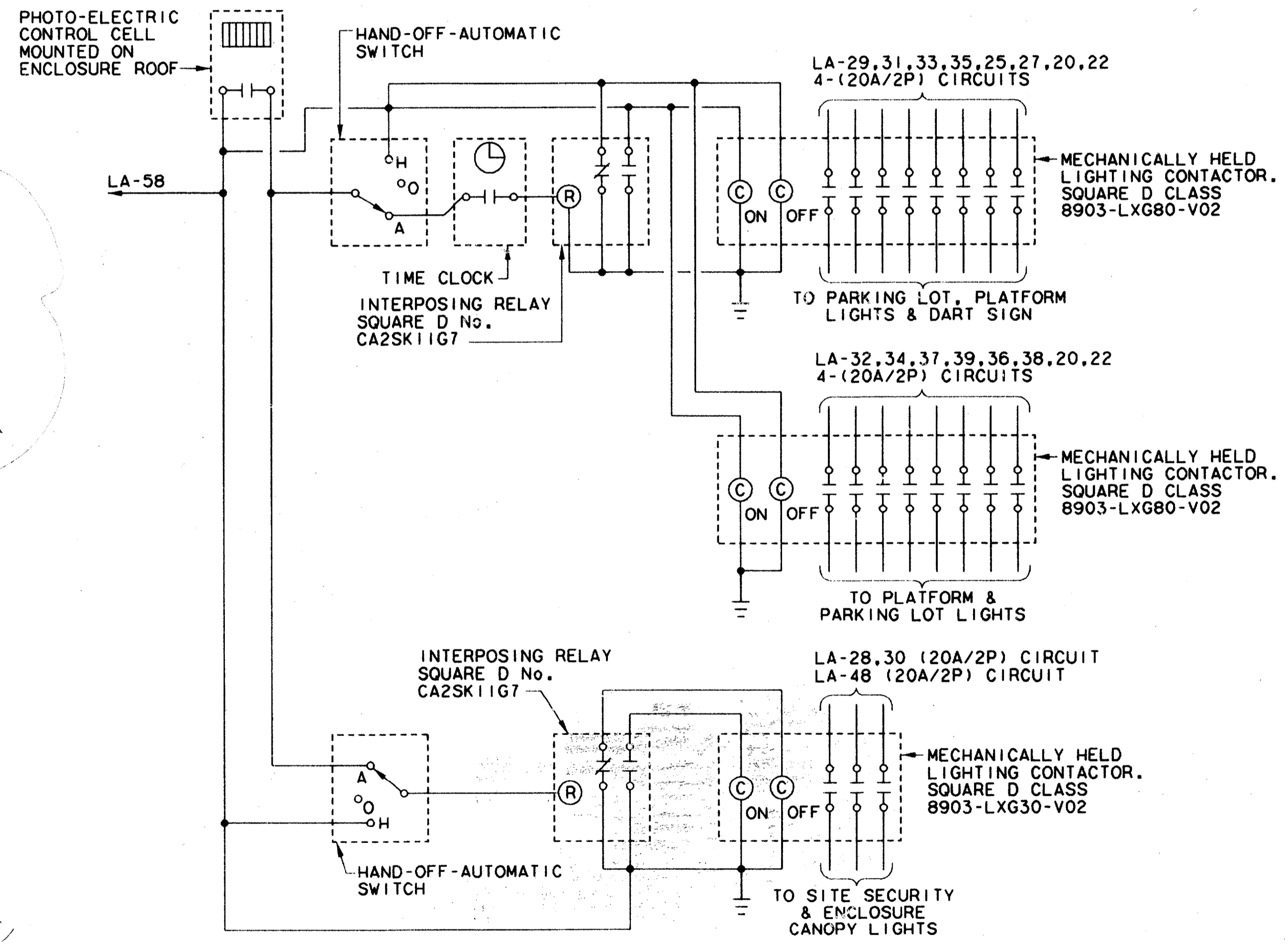
Record (As-Built) Certification
 I have checked this submission, we certify that it conforms to the requirements of the contract in all respects, except as otherwise indicated.
 Designer: W. Gerard
 Checker: W. Gerard
 Date: 7-7-99
 Seal of Professional Engineer of Construction Contractor, including signature and date, thereby sealing record (as-built) drawings for accuracy of as-built conditions reflected herein, must be placed below.



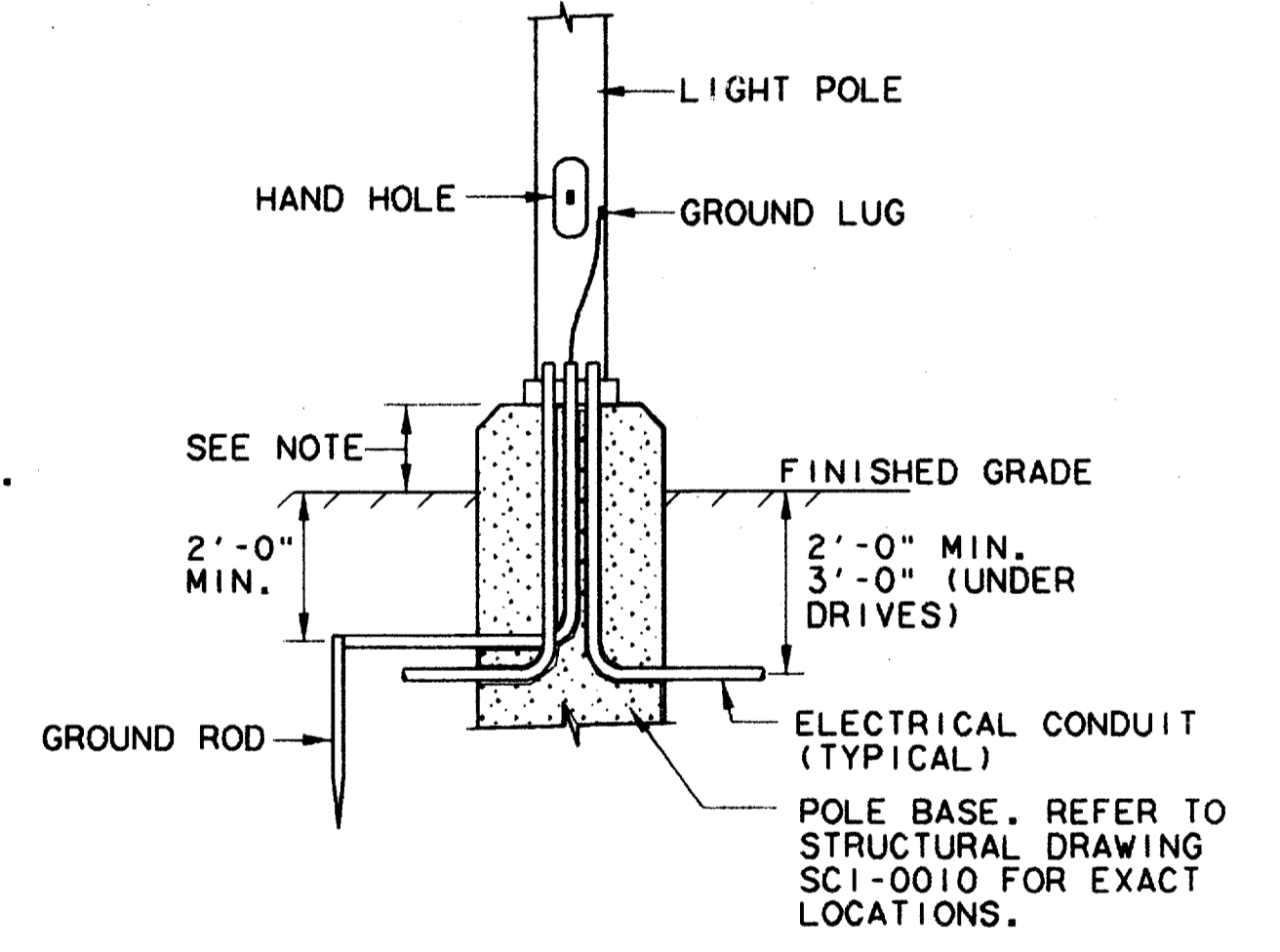
ELECTRICAL RISER DIAGRAM 03 N.T.S.



TELEPHONE RISER DIAGRAM 04 N.T.S.



SCHEMATIC CONTACTOR WIRING DIAGRAM 02 N.T.S.



LIGHT POLE BASE DETAIL 01 N.T.S.

NOTE: REFER TO STRUCTURAL DRAWING SCI-0010 FOR DIMENSION.

CONFORMED

CONTRACT SHEET No. 95 OF 95

REV	DATE	DESCRIPTION	BY	ENG	CHK	APP	REV	DATE	DESCRIPTION	BY	ENG	CHK	APP
△	8/30/93	RECORD AS-BUILT SUBMITTAL	ROM				△						
△							△						
△							△						
△							△						
△							△						

GERARD & ASSOCIATES
CONSULTING ENGINEERS
Mechanical Electrical Plumbing
Systems Design
409 Centre Dallas, Texas 75208 12147946-6404

WLA

WENDY LOPEZ & ASSOCIATES, INC.
ENGINEERING • SURVEYING • CONSTRUCTION SERVICES
1025 MARKET CENTER BLVD - SUITE 510
DALLAS, TEXAS 75207
(214) 766-7777

DART PROJECT

DART

SCALE AS SHOWN
DRAWN P. LLOYD
DESIGNED W. GERARD
CHECKED W. GERARD
IN CHARGE V. STEVENS
DATE 12 AUG 97

ADDISON TRANSIT CENTER SCHEDULES, DETAILS & RISER DIAGRAMS

CONTRACT C-97000135 DWG No EC2-0004 REV 0