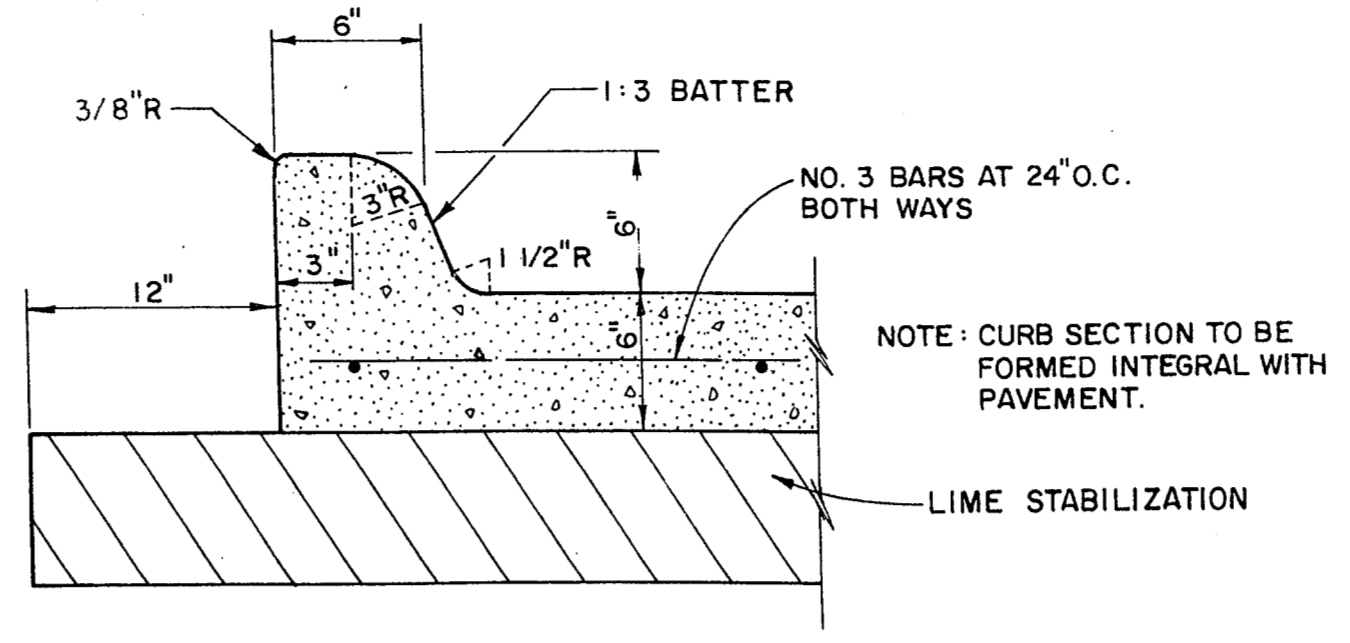
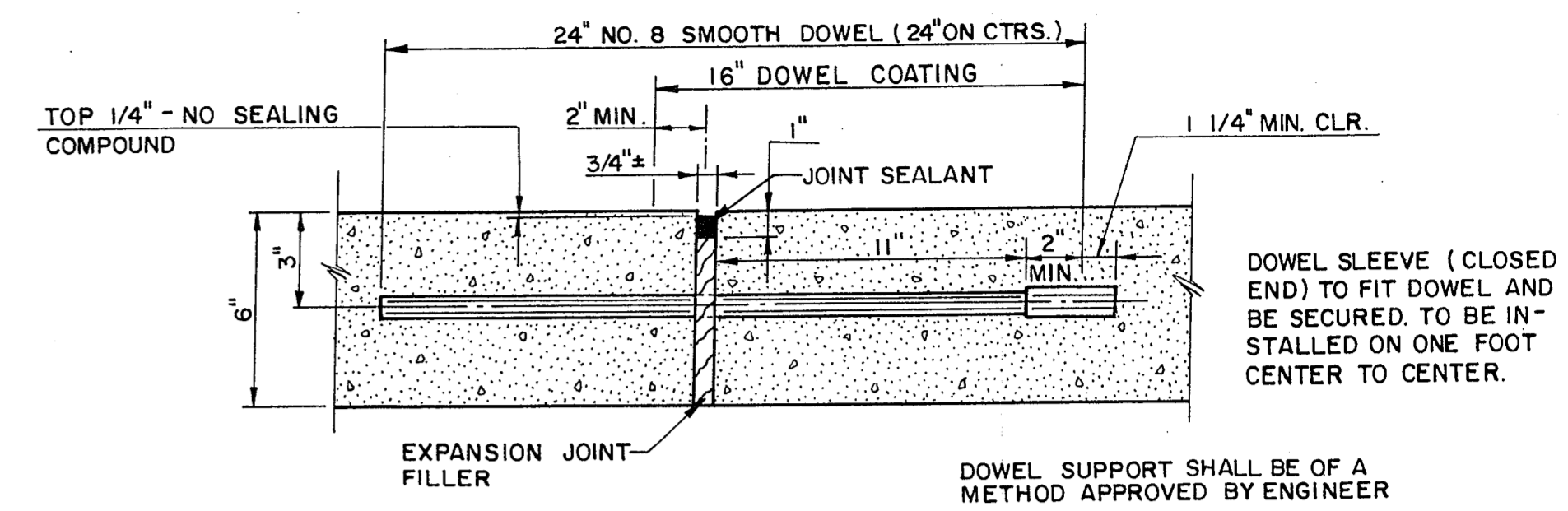


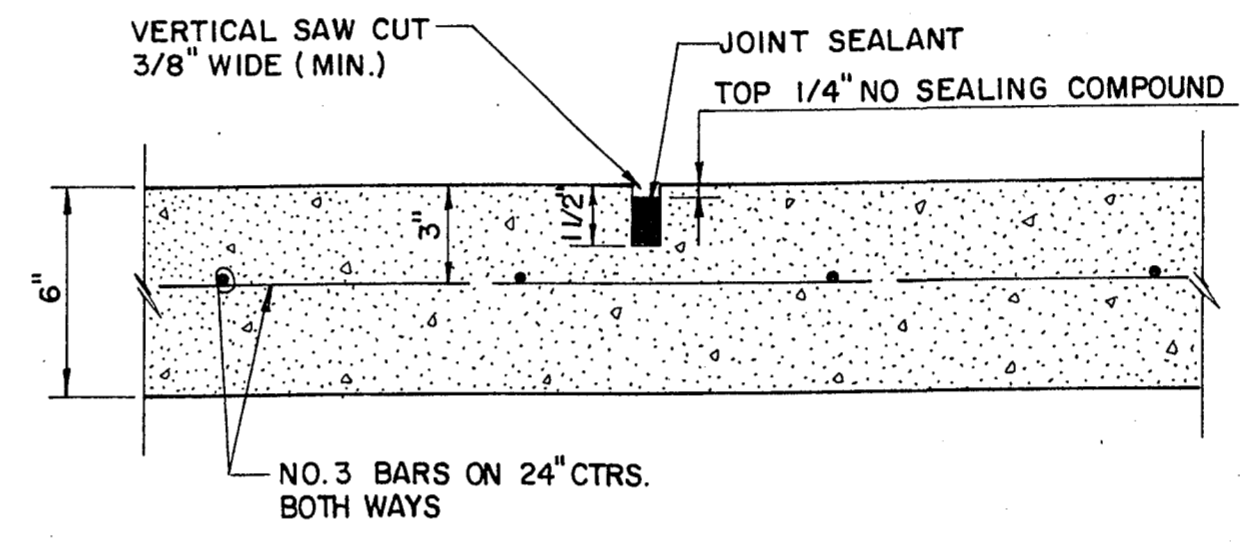
CONCRETE PAVEMENT
N.T.S.



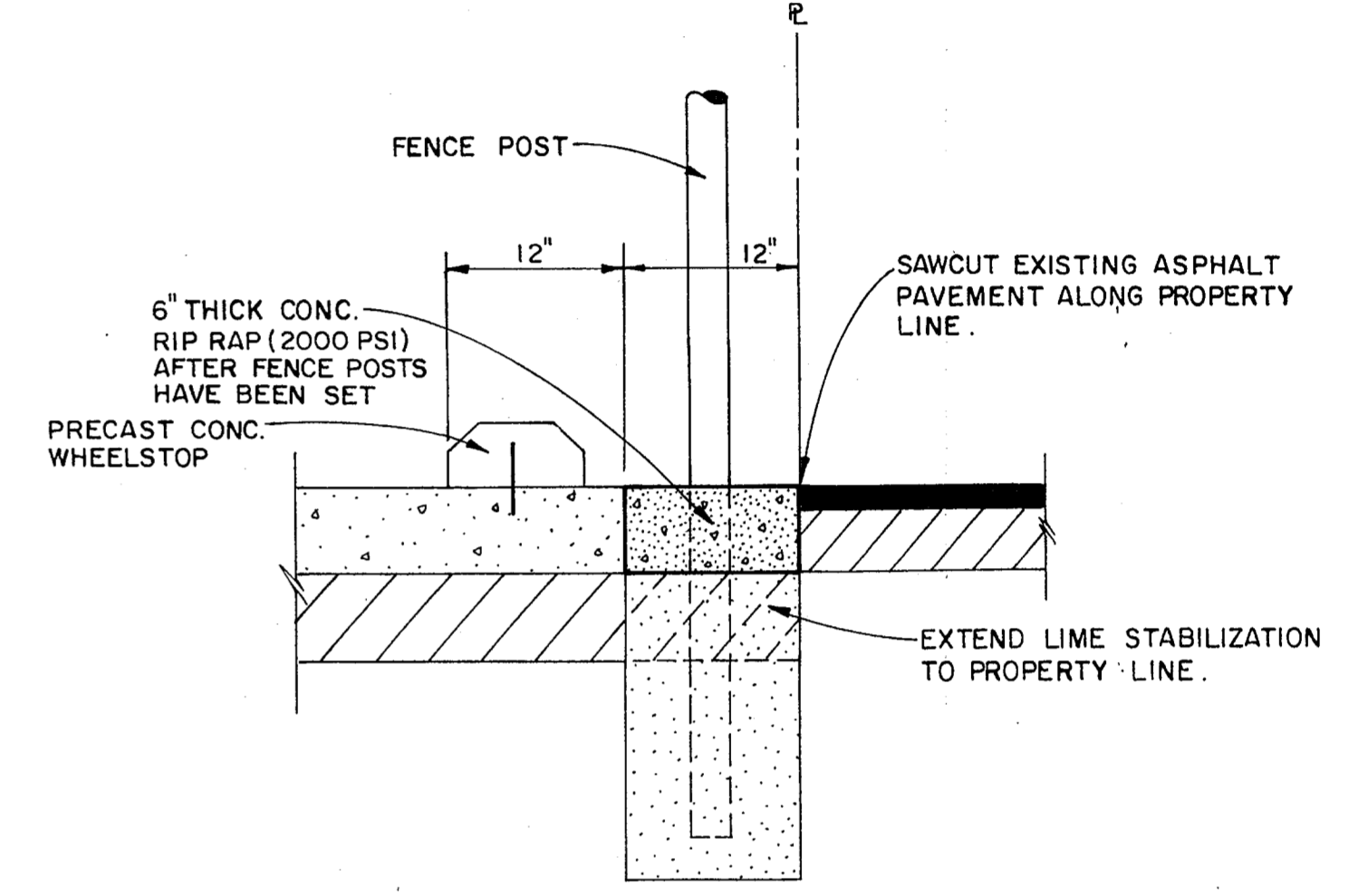
6" INTEGRAL CONCRETE CURB
N.T.S.



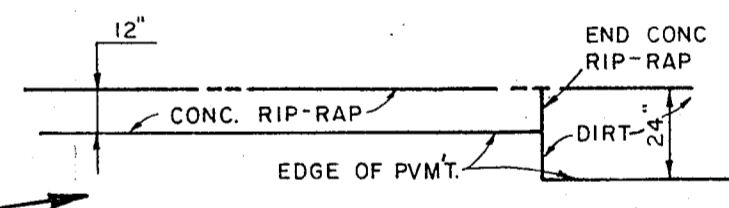
EXPANSION JOINT
N.T.S.



CONTRACTION JOINT
N.T.S.



CONCRETE RIP-RAP
N.T.S.



ENLARGED PLAN
N.T.S.

GENERAL NOTES

1. Concrete pavement to be 3000 psi.
2. Joints shall be sawed at 15 feet on centers each way and sealed with an approved joint sealer. Expansion joints to be installed at 50 feet on centers each way.
3. All curbs shall be placed integral with the concrete pavement.
4. Subgrade under pavement shall be compacted to a density of not less than 95 percent modified proctor density.
5. Excess excavation to be disposed of offsite.
6. All fencing to be by others. *FENCING REQ'D PRIOR TO C.O. SUBMIT DETAILS FOR APPROVAL - JPB*
7. All construction materials and procedures to conform to the Town of Addison requirements.
8. Beneath the hangar and the shop, the subgrade shall be rough graded to an elevation 24 inches below finished floor elevation. All rough grading on the site to be within 0.1 ± feet of final subgrade.
9. All work within the limits of the airport property shall be coordinated with the airport operator, Addison Airport of Texas, Inc.
10. New pavement to be doweled into existing driveway turnout at Addison Road.
11. The Contractor shall obtain and pay for all city permits required for the construction of these improvements.

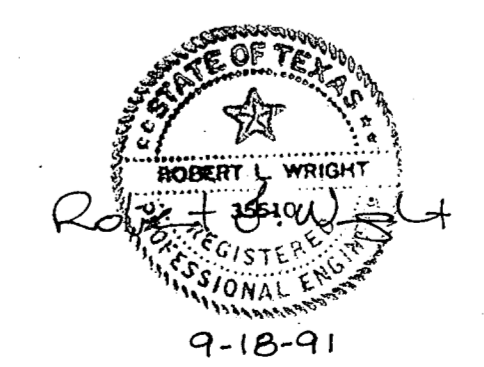
PARKING SUMMARY

SECURED	59
UNSECURED	5
TOTAL	64

NOTE: ALL DIMENSIONS TO FACE OF CURB.

LEGEND

- 6" CONCRETE PAVEMENT
- 8" CONCRETE PAVEMENT



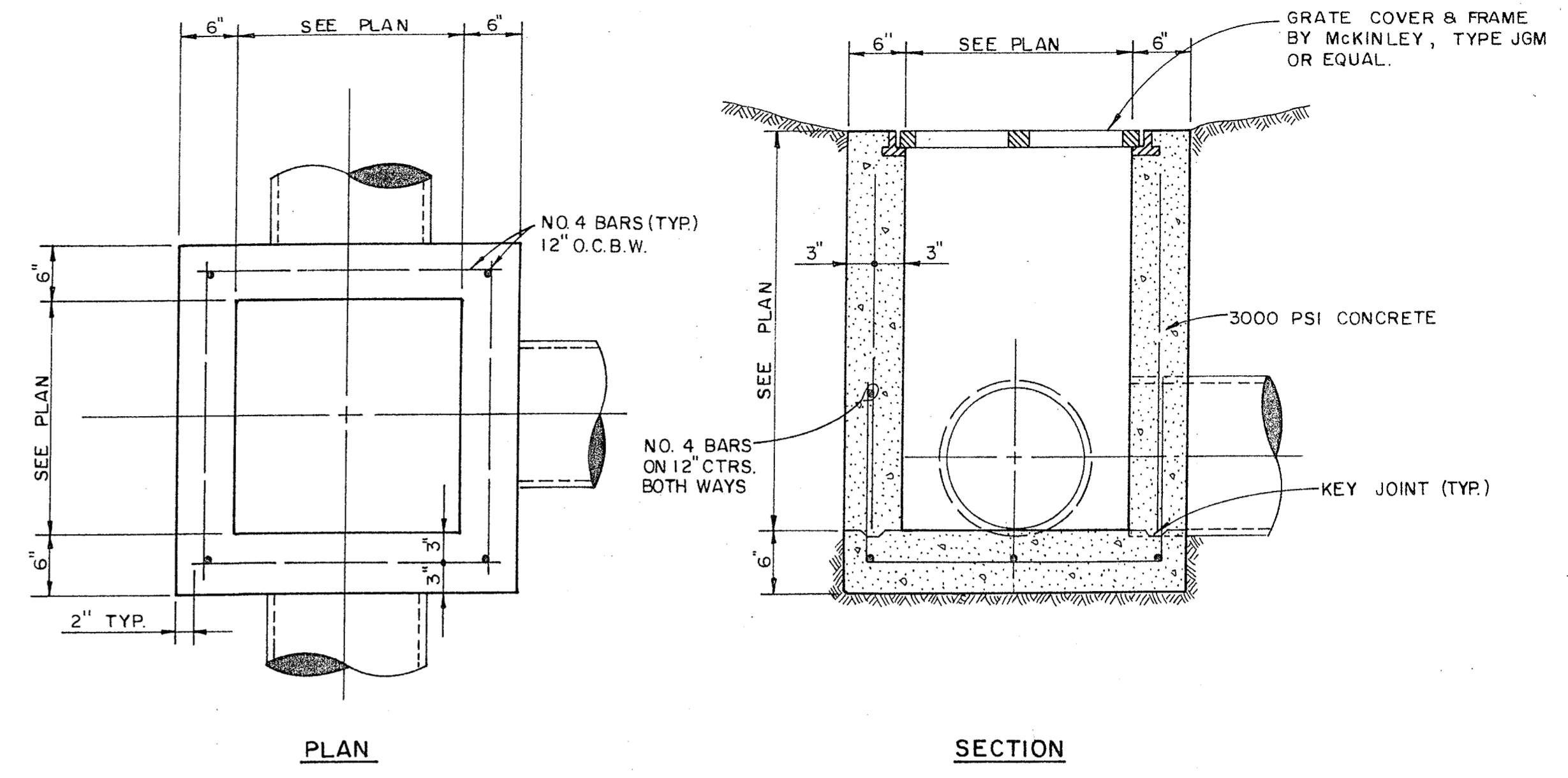
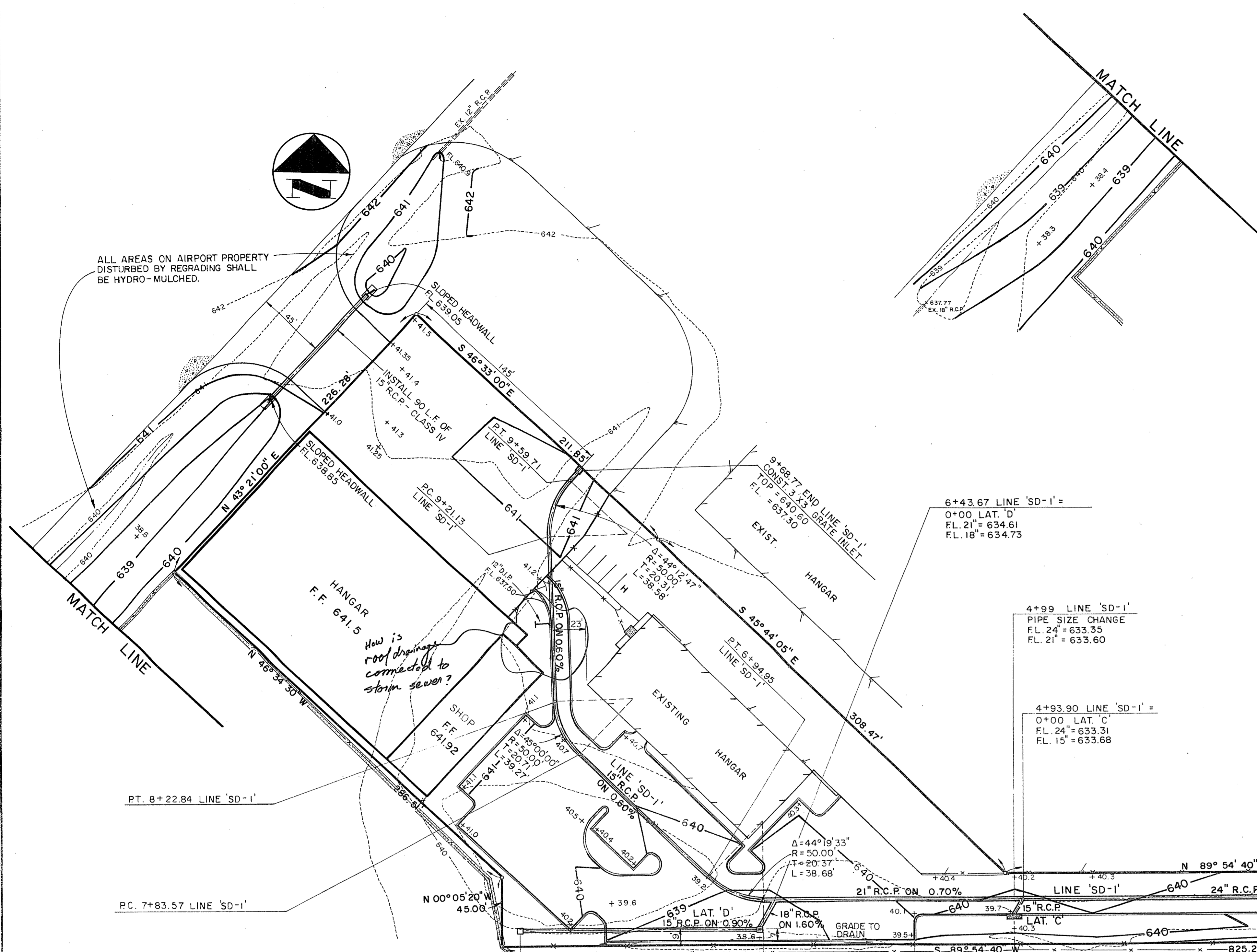
NEEDHAM WRIGHT LASKEY
ENGINEERS INC.
10290 MONROE DRIVE
SUITE 205
DALLAS, TEXAS 75229
PH. 214-357-2961
JOB NO. 90-425 SHEET NO. 2

REVISED 9-26-91

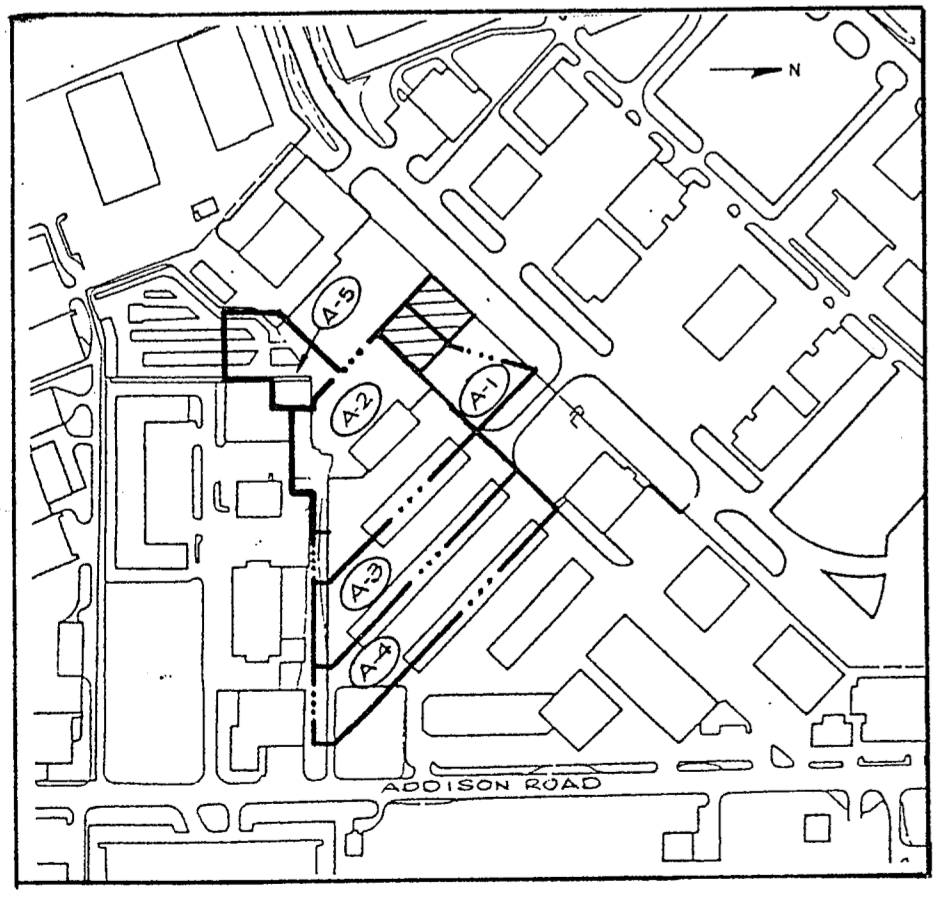
SITE PLAN						
PERSONAL WAY AVIATION						
TOWN OF ADDISON, TEXAS						
DRAWN	DESIGN	DATE	SCALE	NOTES	FILE	NUMBER
N.W.L.	N.W.L.	9-16-91	1"=40'			

198 00

871 50

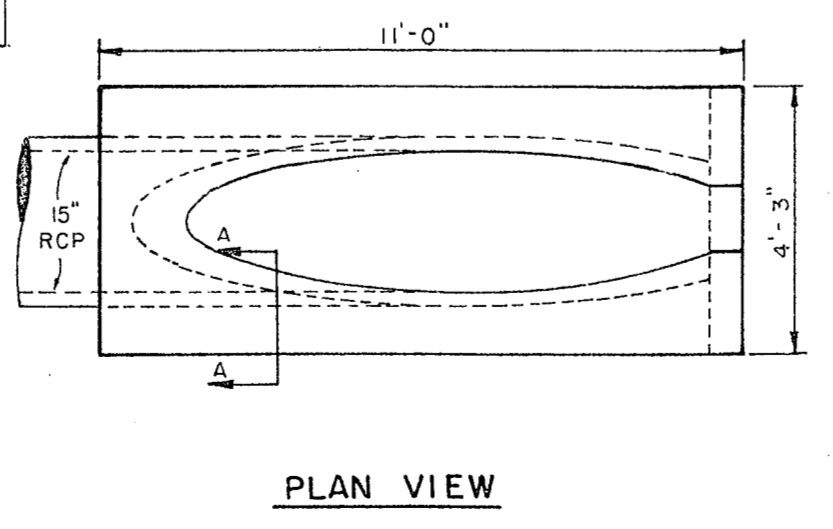


GRATE INLET DETAIL
N.T.S.

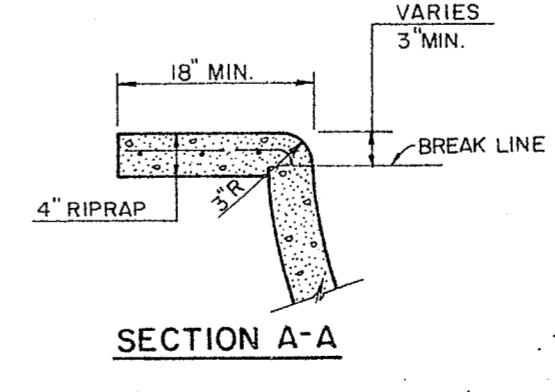
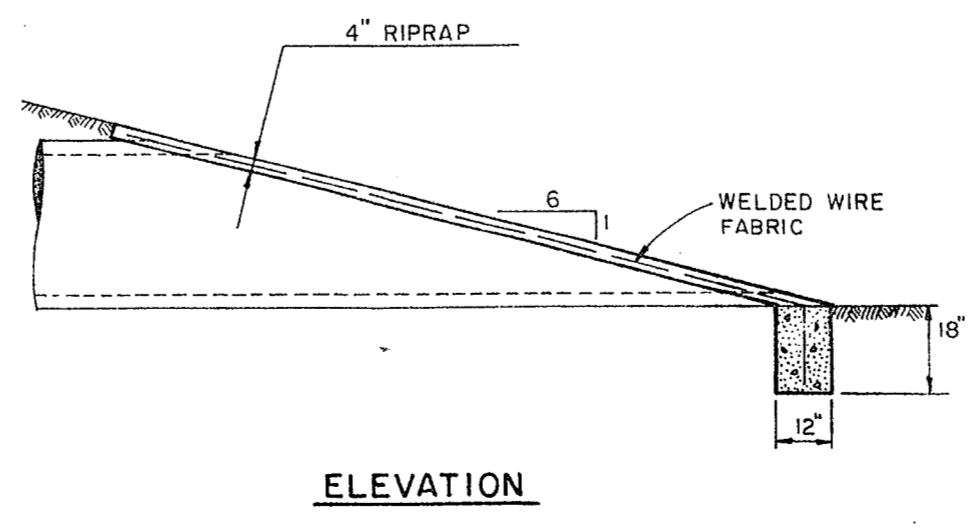


DRAINAGE AREA MAP
T=400

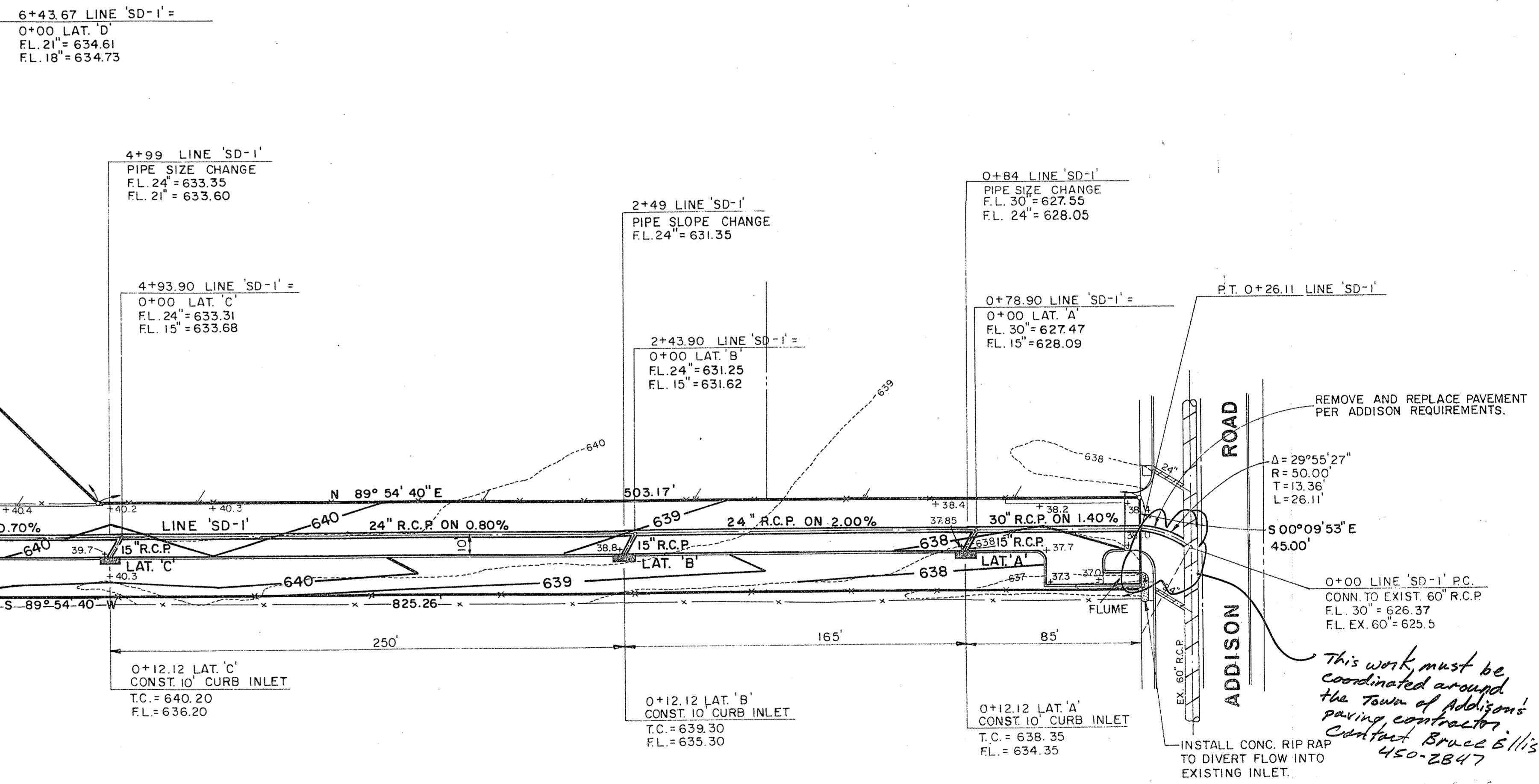
D.A.	AREA	C	I	Q
A-1	0.6	0.85	8.74	4.5
A-2	2.1	0.85	8.74	15.6
A-3	1.6	0.85	8.74	11.9
A-4	1.9	0.85	8.74	14.1
A-5	0.5	0.85	8.74	3.7



SLOPED HEADWALL
N.T.S.



SECTION A-A



This work must be coordinated around the Town of Addison's paving contractor. Contact Bruce Ellis 450-2847

REVISED 10-14-91
REVISED 10-10-91
REVISED 9-26-91

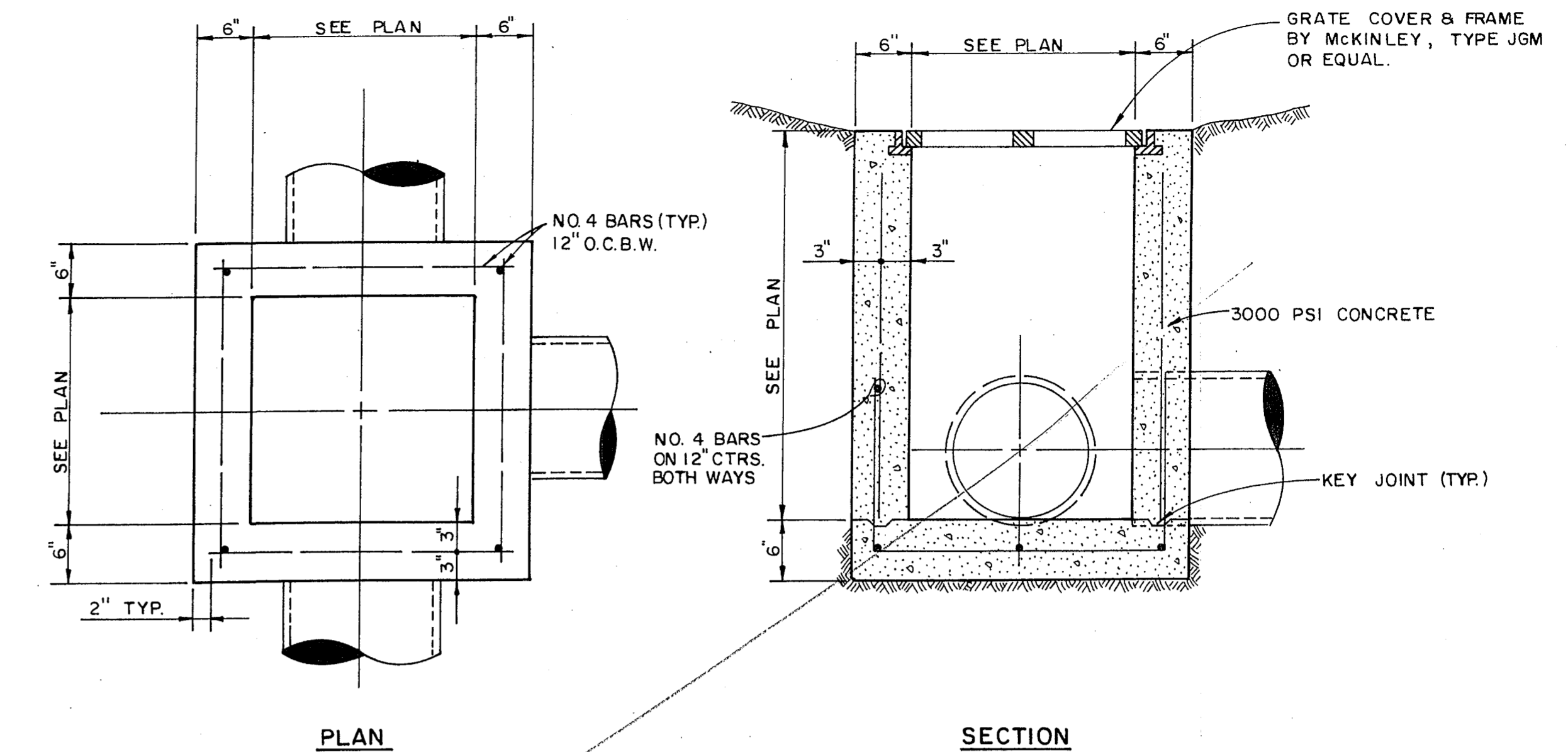
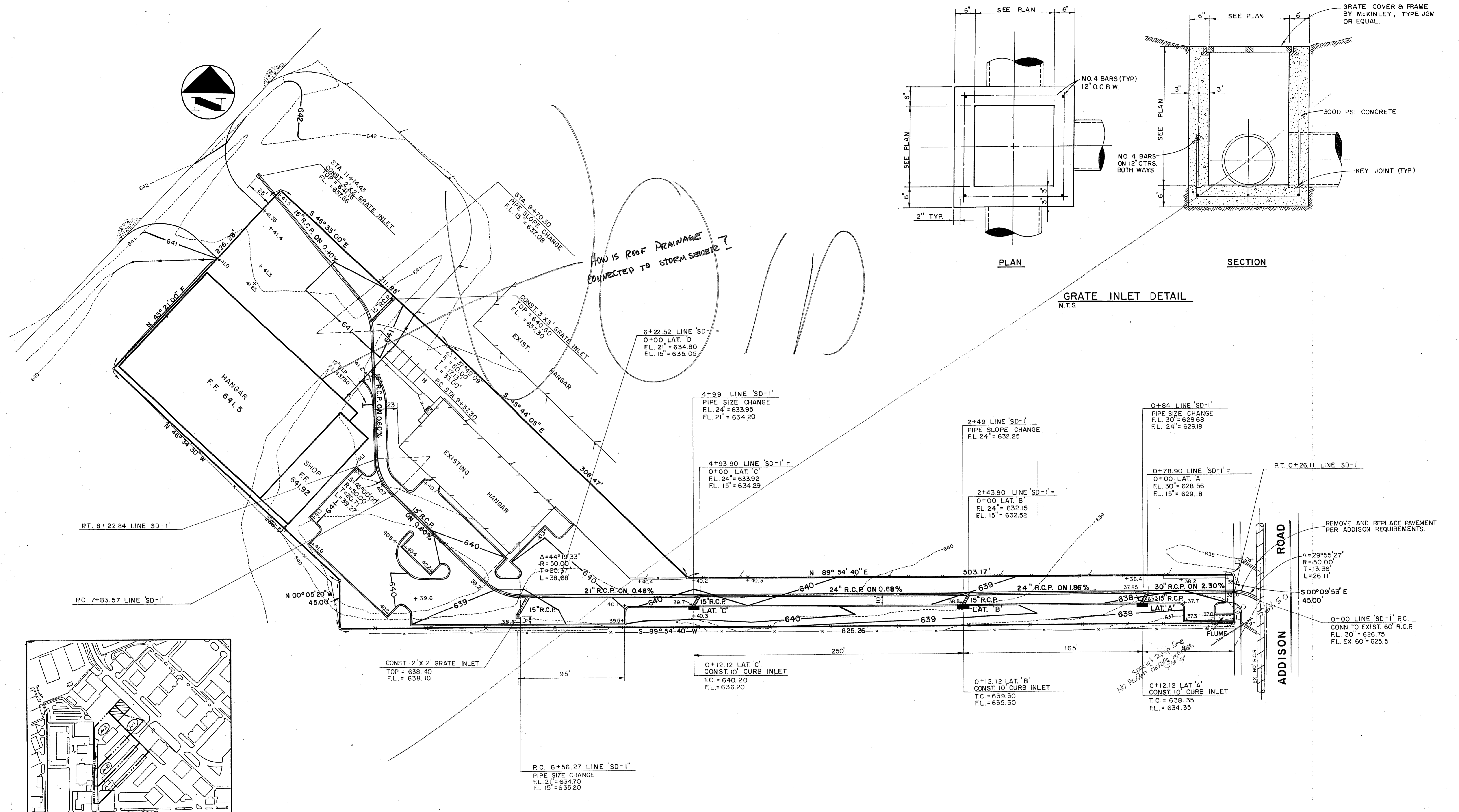
GRADING PLAN
PERSONAL WAY AVIATION

TOWN OF ADDISON, TEXAS

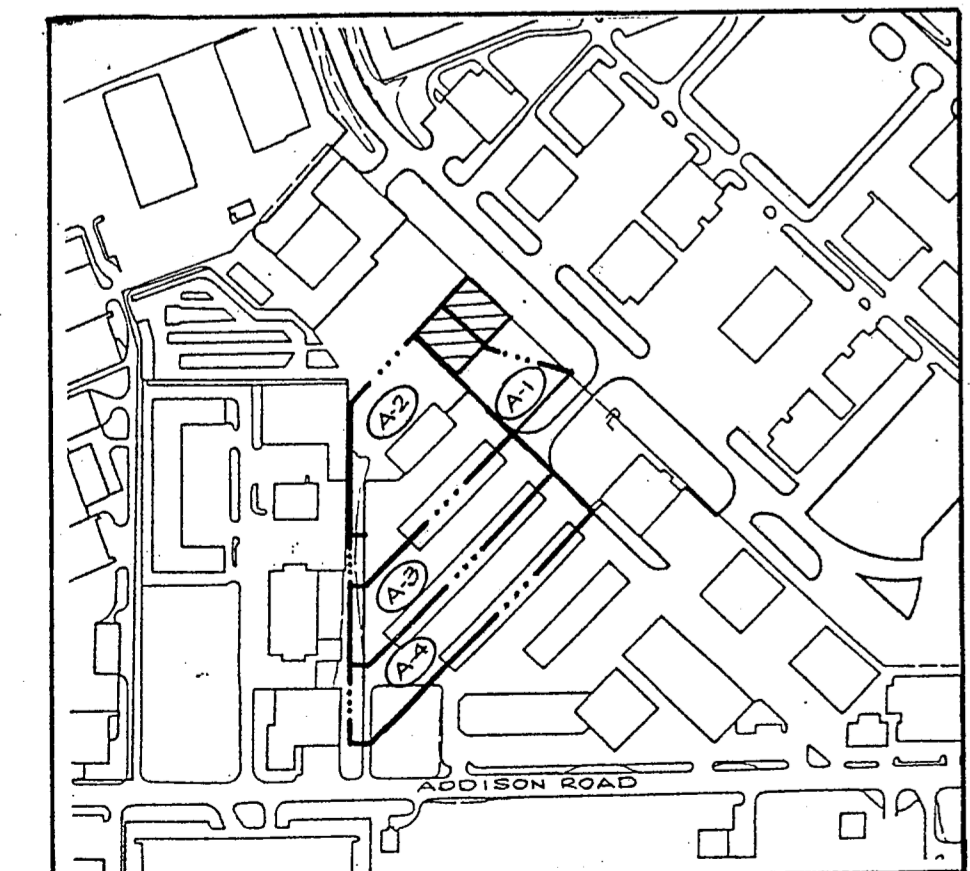
DRAWN	DESIGN	DATE	SCALE	NOTES	FILE	NUMBER
N.W.L.	N.W.L.	9-18-91	1"=40'			

ROBERT L. WRIGHT
ROBERT L. WRIGHT
PROFESSIONAL ENGINEER
9-18-91

NEEDHAM WRIGHT LASKEY ENGINEERS INC.
10290 MONROE DRIVE
SUITE 305
DALLAS, TEXAS, 75229
PH. 214 357 2981 SHEET NO. 3

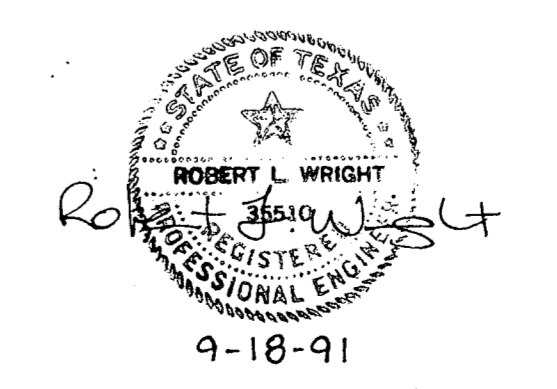


GRATE INLET DETAIL
N.T.S.



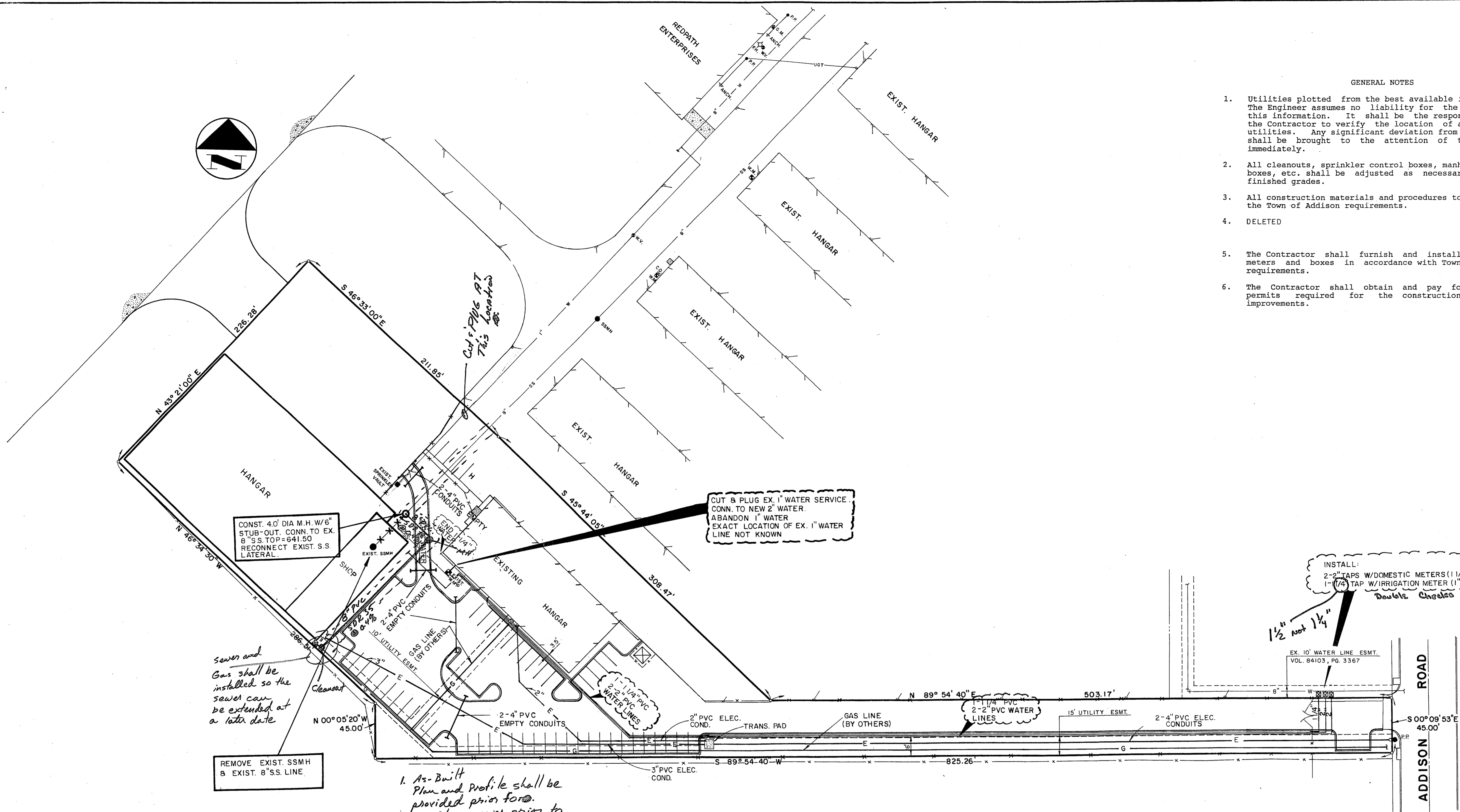
DRAINAGE AREA MAP
1" = 400'

D.A.	AREA	C	I	Q
A-1	0.6	0.85	8.74	4.5
A-2	1.9	0.85	8.74	14.1
A-3	1.6	0.85	8.74	11.9
A-4	1.9	0.85	8.74	14.1



NEEDHAM WRIGHT LASKEY ENGINEERS INC.
10290 MONROE DRIVE
SUITE 305
DALLAS, TEXAS, 75229
PH. 214 357 2981 SHEET NO. 3

REVISED 9-26-91						
GRADING PLAN						
PERSONAL WAY AVIATION						
TOWN OF ADDISON, TEXAS						
DRAWN	DESIGN	DATE	SCALE	NOTES	FILE	NUMBER
N.W.L.	N.W.L.	9-18-91	1"=40'			



GENERAL NOTES

1. Utilities plotted from the best available information. The Engineer assumes no liability for the accuracy of this information. It shall be the responsibility of the Contractor to verify the location of all existing utilities. Any significant deviation from these plans shall be brought to the attention of the Engineer immediately.
2. All cleanouts, sprinkler control boxes, manholes, meter boxes, etc. shall be adjusted as necessary to match finished grades.
3. All construction materials and procedures to conform to the Town of Addison requirements.
4. DELETED
5. The Contractor shall furnish and install all water meters and boxes in accordance with Town of Addison requirements.
6. The Contractor shall obtain and pay for all city permits required for the construction of these improvements.

CONST. 4' DIA M.H. W/6\"/>

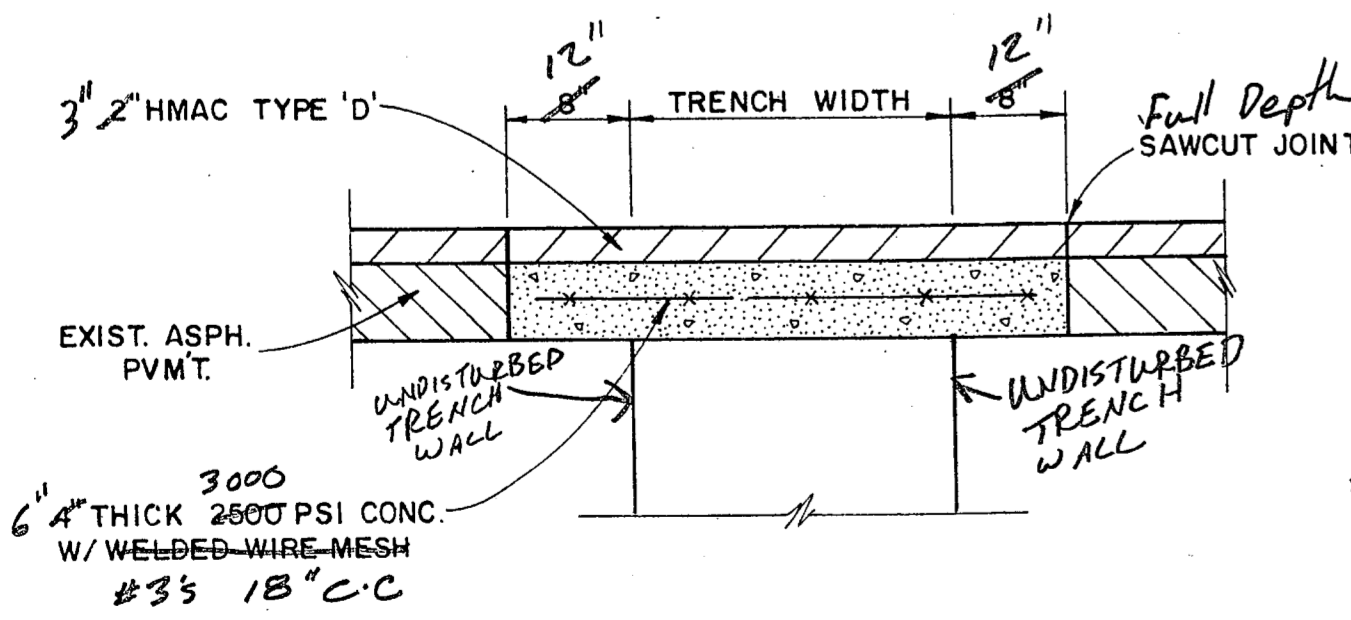
CUT & PLUG EX. 1\"/>

INSTALL:
 2-2\"/>

Sewer and Gas shall be installed so the sewer can be extended at a later date

REMOVE EXIST. SSMH & EXIST. 8\"/>

1. As-Built Plan and profile shall be provided prior to sanitary sewer prior to C.O. As-Built's shall be sealed by professional engineer. Inspections of the sewer shall be provided by Bruce Ellis 450-2847
2. See typical trench detail attached.
3. Call Bruce Ellis for sanitary sewer manhole details



ASPHALT PAVEMENT REPAIR
 N.T.S.

ELECTRICAL NOTES

1. Minimum cover for 2-4\"/>
2. At power pole, cap one 4\"/>
3. Transformer pad to be constructed in accordance with TUElectric Specifications DDS-4. All elbows to be rigid galvanized conduit.
4. Coordinate exact location of 2\"/>
5. Electrical power is required at the entrance gate. Coordinate service requirements, conduit etc. with Owner.

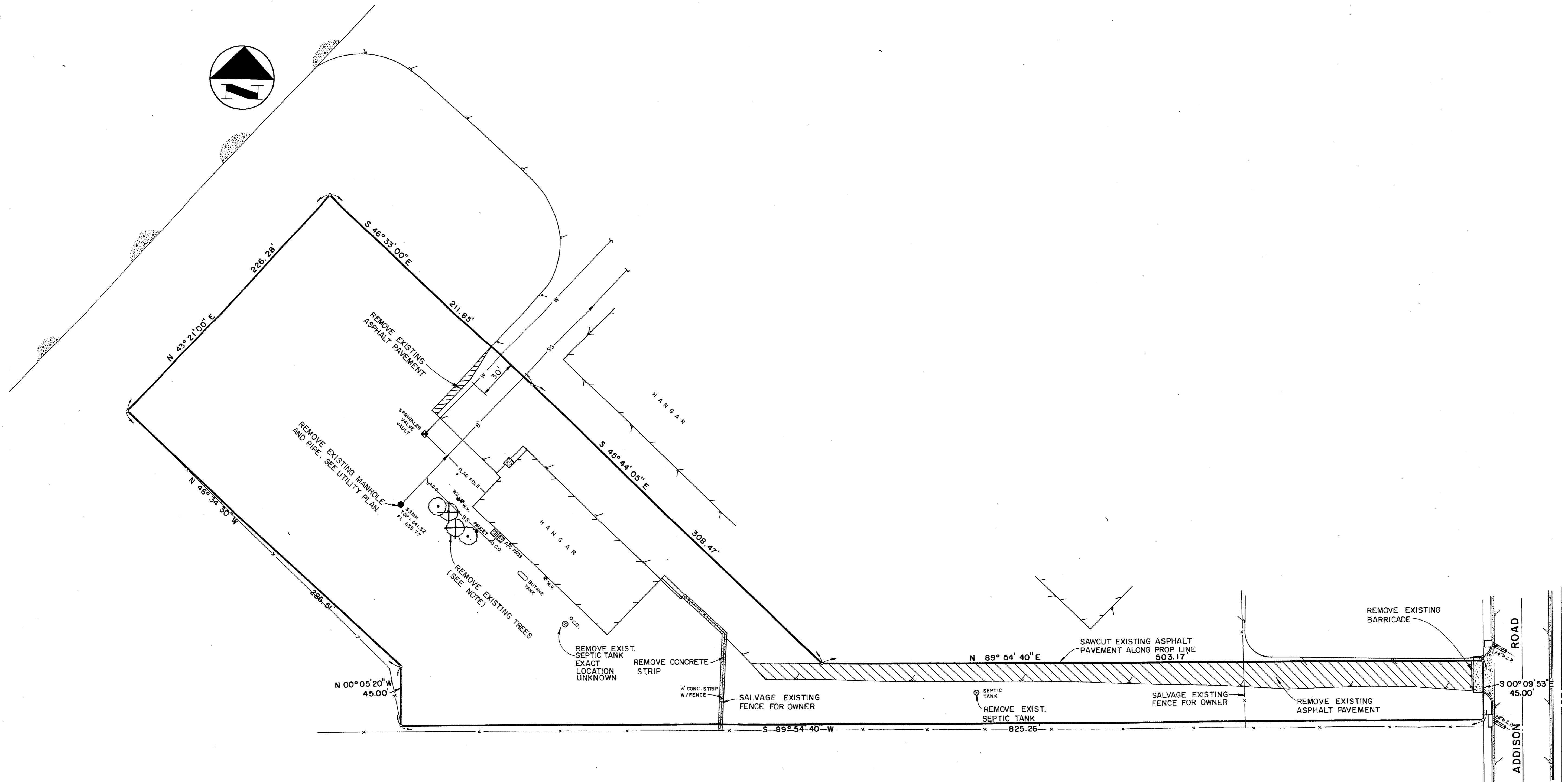


9-18-91

NEEDHAM WRIGHT LASKEE ENGINEERS INC.
 10290 MONROE DRIVE SUITE 305 DALLAS, TEXAS, 75229 PH. 214 357 2981 SHEET NO. 4

REVISED 9-26-91

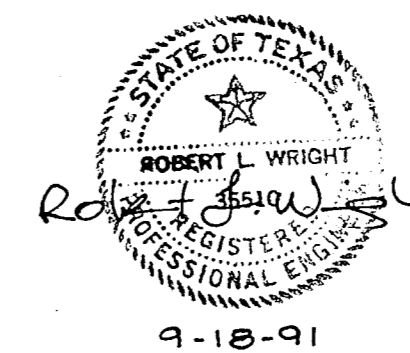
UTILITIES PLAN						
PERSONAL WAY AVIATION						
TOWN OF ADDISON, TEXAS						
DRAWN	DESIGN	DATE	SCALE	NOTES	FILE	NUMBER
N.W.L.	N.W.L.	9-18-91	1"=40'			



GENERAL NOTES

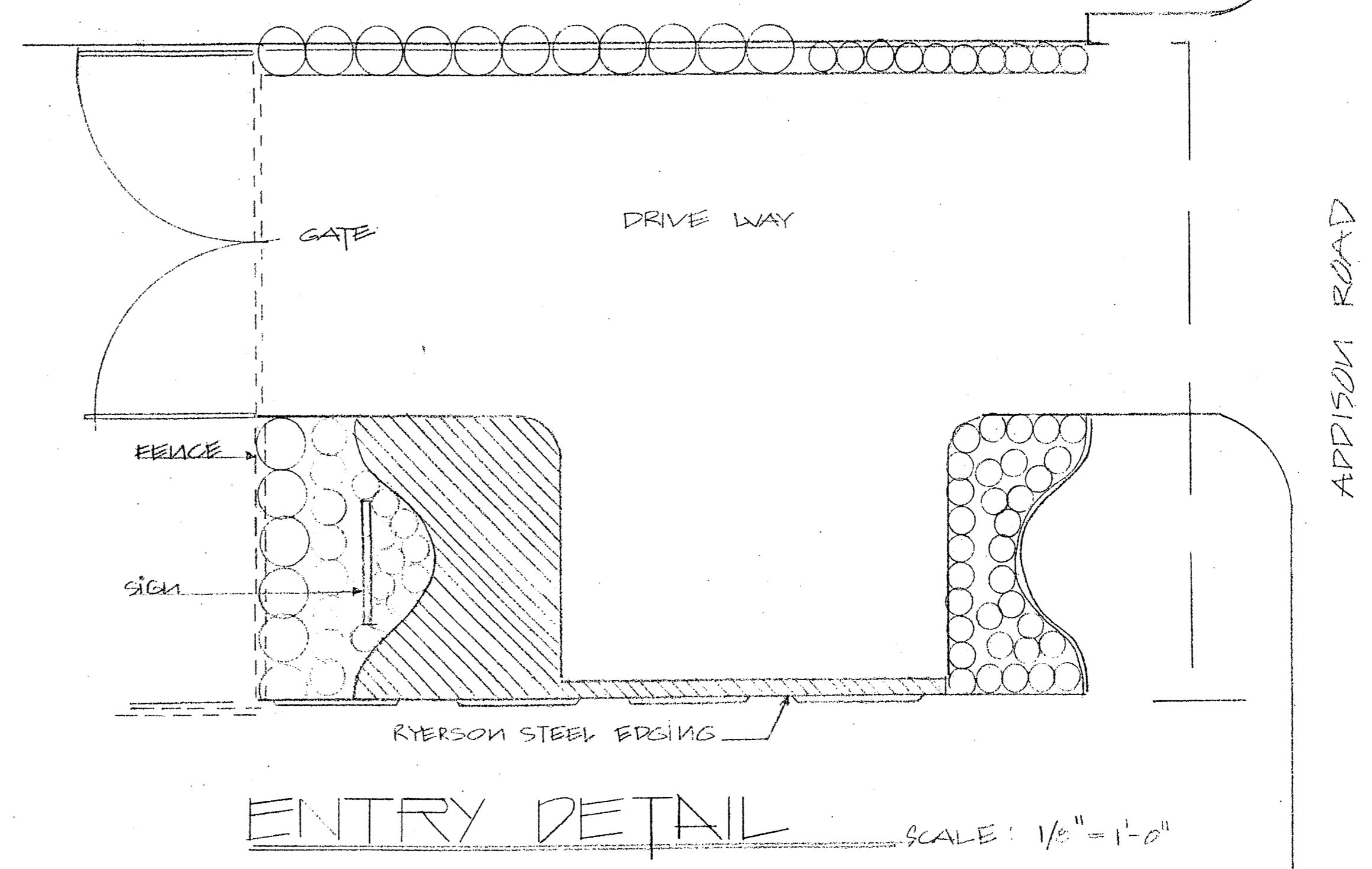
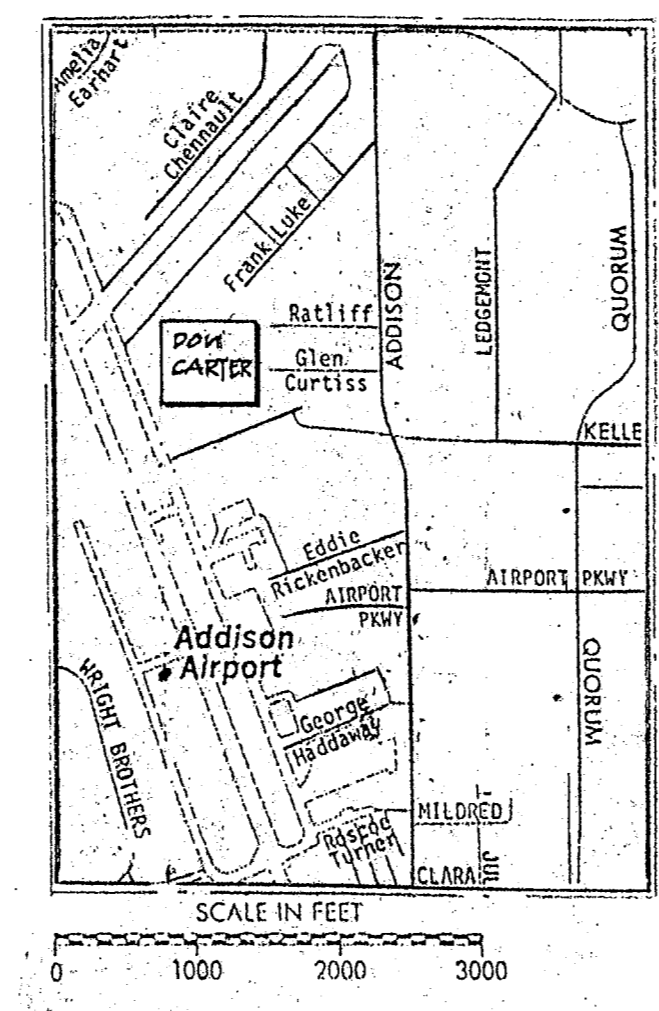
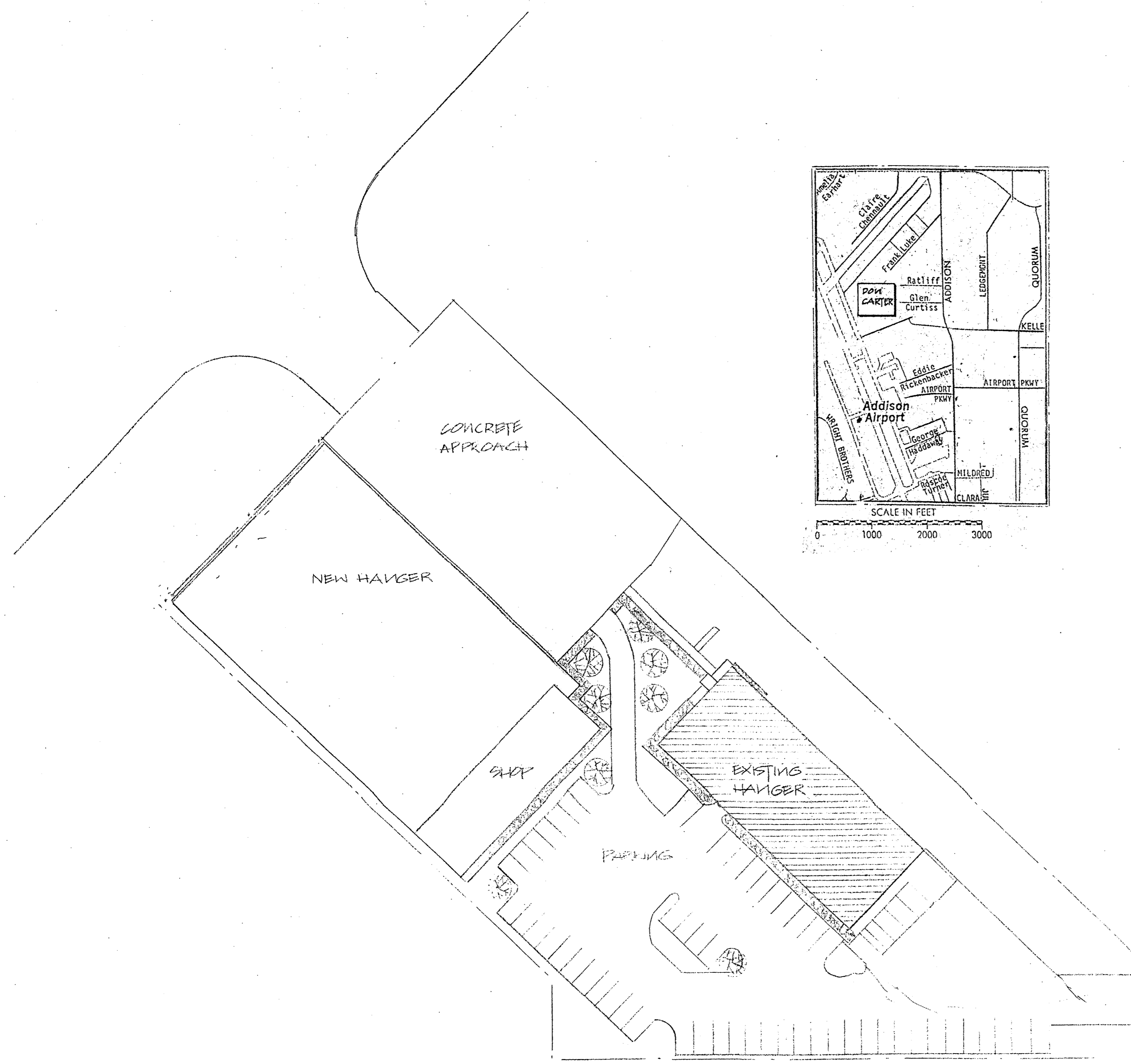
1. Existing flagpole to be removed and salvaged for Owner.
2. Butane tank must remain in service until new gas line is installed by Lone Star Gas Company.
3. There is a second septic tank located on the site. The exact location is unknown. The Contractor shall also include removal of this tank in his demolition price.
4. All materials to be salvaged for the Owner shall be stored in the existing hangar or delivered to a site within 2 miles of the project location.
5. Exact location of existing water lines is unknown.

NOTE: DO NOT REMOVE TREES UNTIL SPECIFICALLY DIRECTED BY OWNER.

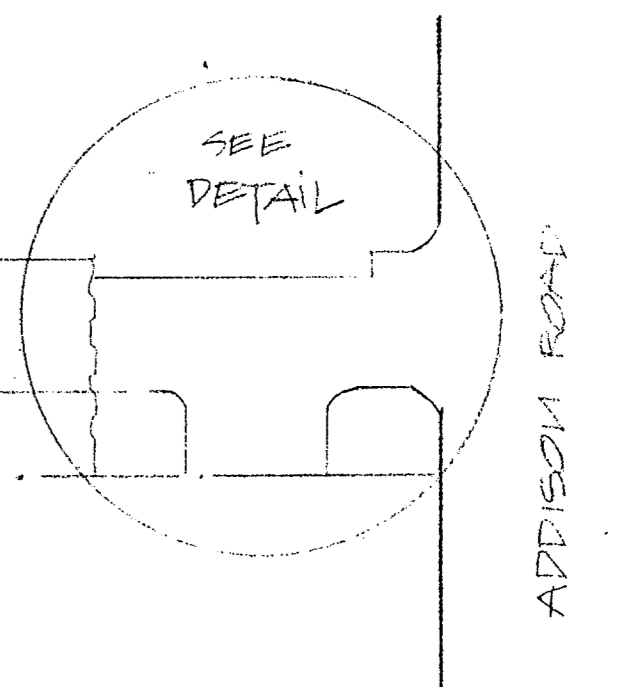


NEEDHAM WRIGHT LASKEY ENGINEERS INC.
 17120 DALLAS PARKWAY
 SUITE 130
 DALLAS, TEXAS 75248
 (214) 250-4110
 JOB NO. 90-425 SHEET NO. 1

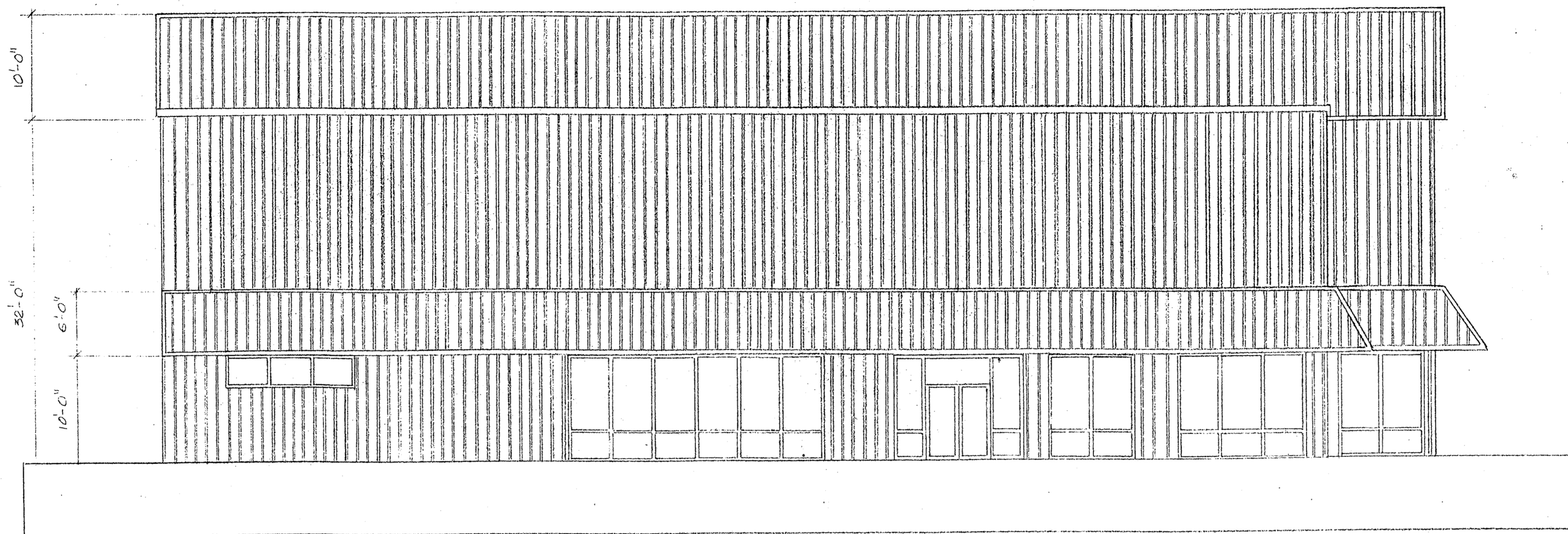
DEMOLITION PLAN							
PERSONAL WAY AVIATION							
TOWN OF ADDISON, TEXAS							
DRAWN	DESIGN	DATE	SCALE	NOTES	FILE	NUMBER	
N.W.L.	N.W.L.	9-18-91	1"=40'				



Landscape
 SITE PLAN SCALE 1/40" = 1'-0"

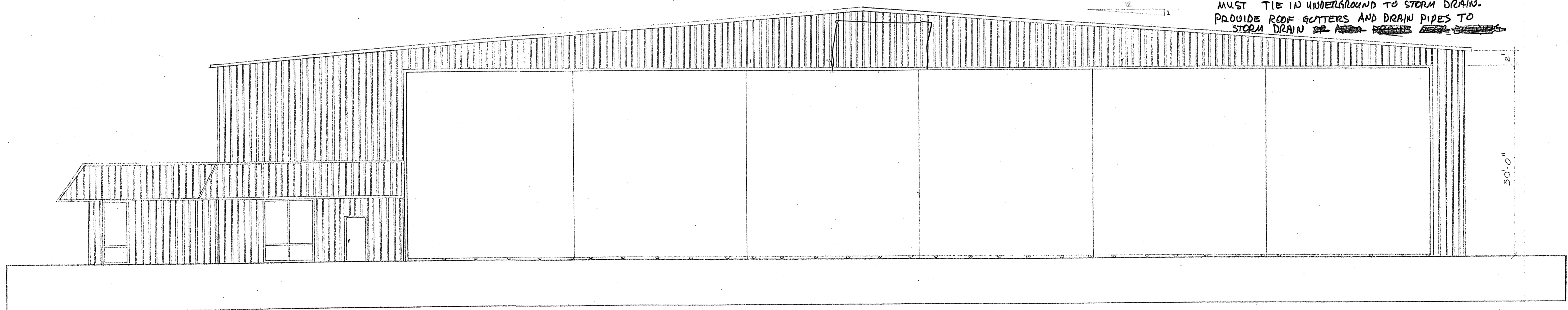


		WFC W. F. CARTER CONSTRUCTION, INC. GENERAL CONTRACTORS 5809 East Berry • Fort Worth, Texas 76119 • 817 / 451-0410 • (Metro) 265-3251		ISSUE DATE	SEPT 91	ISSUE
		CUSTOMER (BUILDER) RON CARTER HANGER	LOCATION DALLAS, TEXAS	SITE PLAN		
DRAWN BY	CHECKED BY	ENGINEER	JOB NUMBER	DRAWING NO. S-1		
REV	DATE	DESCRIPTION	BY			
▲		1				
▲						
▲						

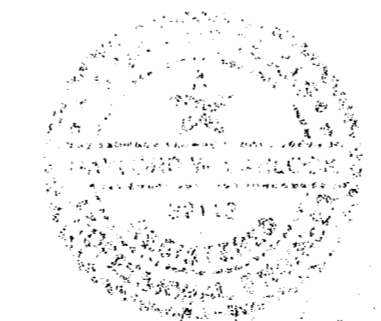


SOUTH ELEVATION SCALE: 1/8" = 1'-0"

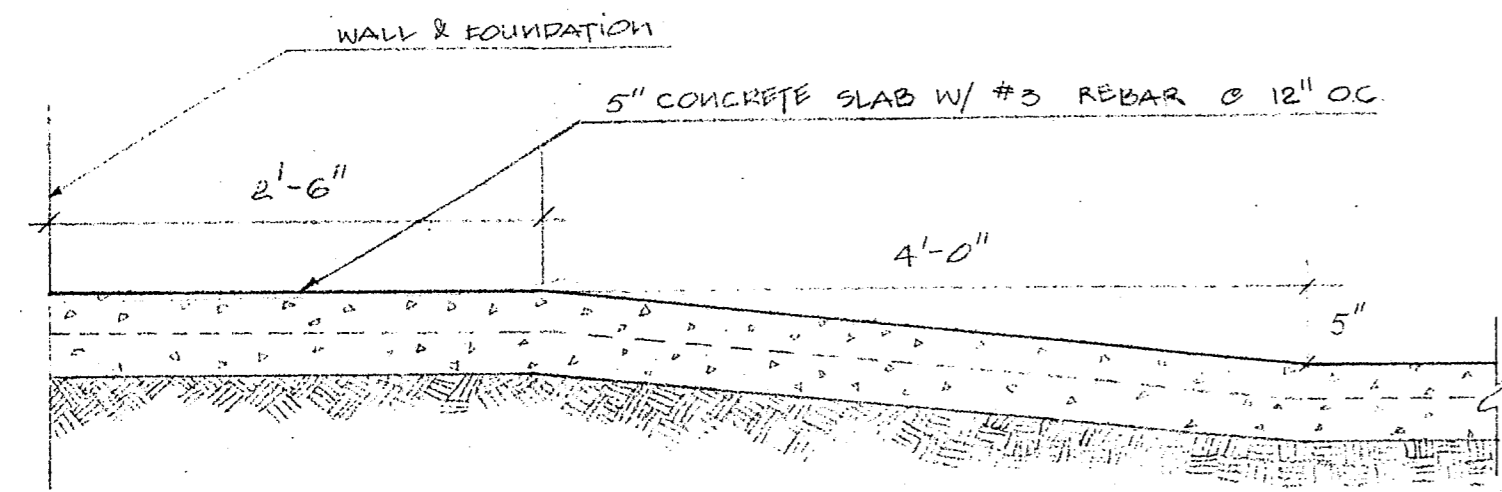
1. RAIN RUNOFF FROM ROOF MUST NOT DRAIN TO ADJACENT PROPERTY. IT MUST TIE IN UNDERGROUND TO STORM DRAIN. PROVIDE ROOF GUTTERS AND DRAIN PIPES TO STORM DRAIN ~~OR AS SHOWN~~



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

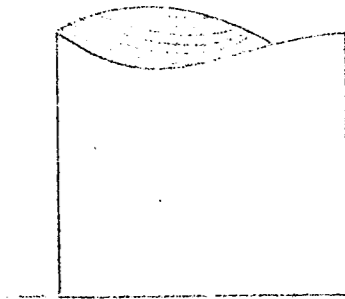
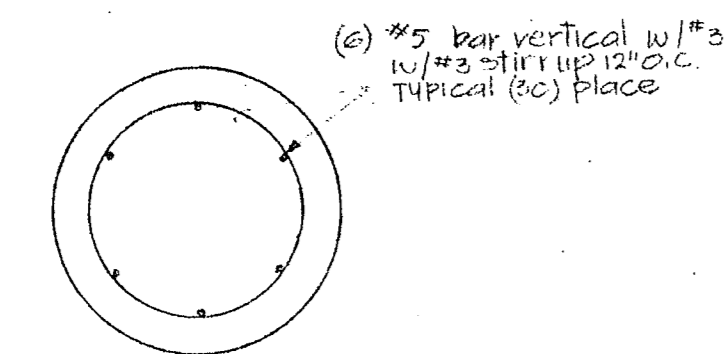
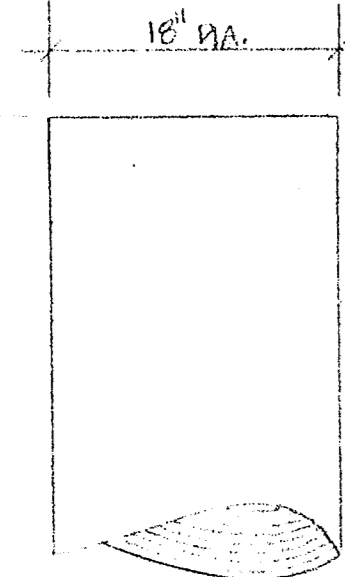


		WFC W. F. CARTER CONSTRUCTION, INC. GENERAL CONTRACTORS 5809 East Berry • Fort Worth, Texas 76119 • 817 / 451-0410 • (Metro) 265-3251	
DRAWN BY +N	CHECKED BY	ENGINEER	CUSTOMER (BUILDER) DON CARTER HANGER LOCATION DALLAS, TEXAS JOB NUMBER
REV ▲ ▲ ▲	DATE	DESCRIPTION	BY BY BY
		ISSUE DATE SEP 11	ISSUE
		DRAWING NO. A-1	

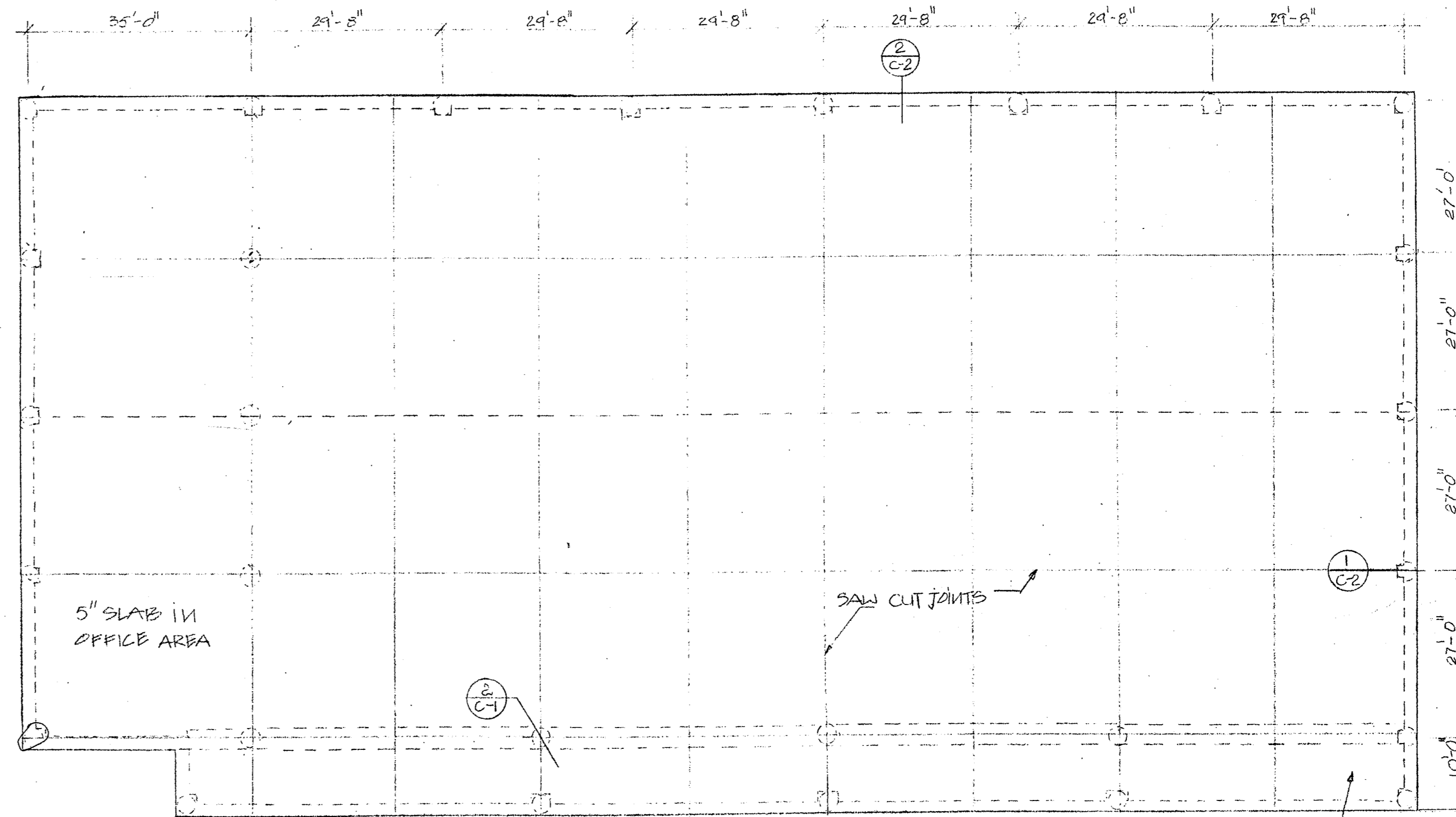


RAMP DETAIL 1/ C-1 SCALE 1" = 1'-0"

7'-0" MIN DEPTH ONLY. ACTUAL DEPTH IN FIELD DRILL TO WEATHERED LIMESTONE AND PENETRATE 2'-0"



PIER FOUNDATION 2/ C-1 SCALE 1" = 1'-0"

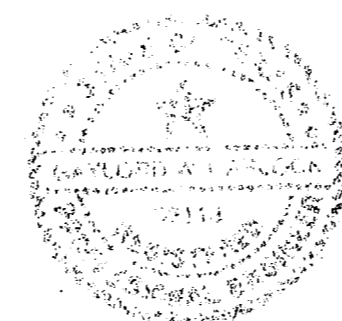


FOUNDATION PLAN SCALE: 1/8" = 1'-0"

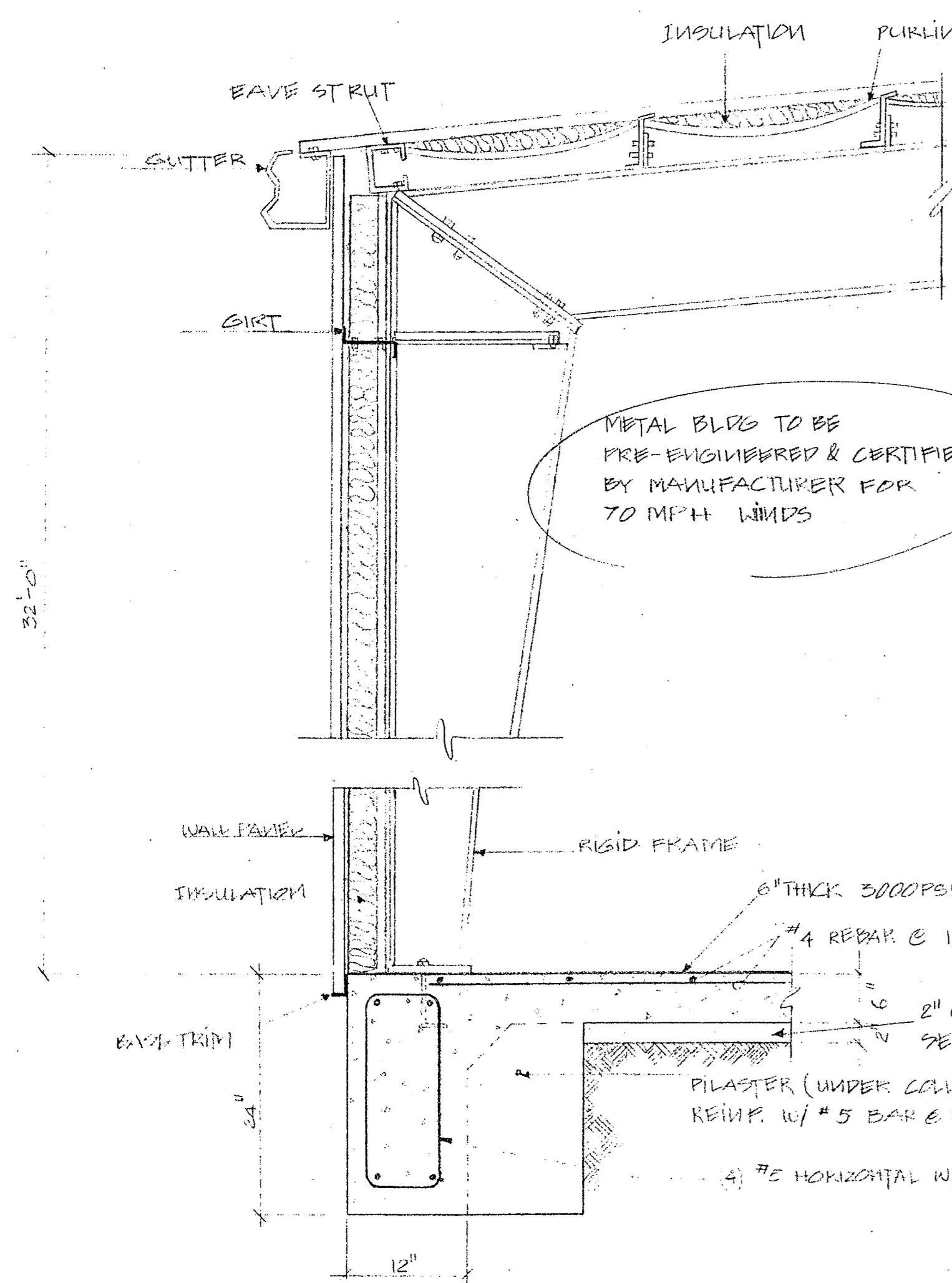
JOINTS

- CONSTRUCTION JOINTS TO USE #6 DOWELS 18" LONG AT 12" CENTERS
- SAW JOINTS TO BE 1/2" DEEP X 3/8" WIDE
- JOINTS TO BE SEALED AT THE TOP SURFACE W/ JOINTS SEALANT

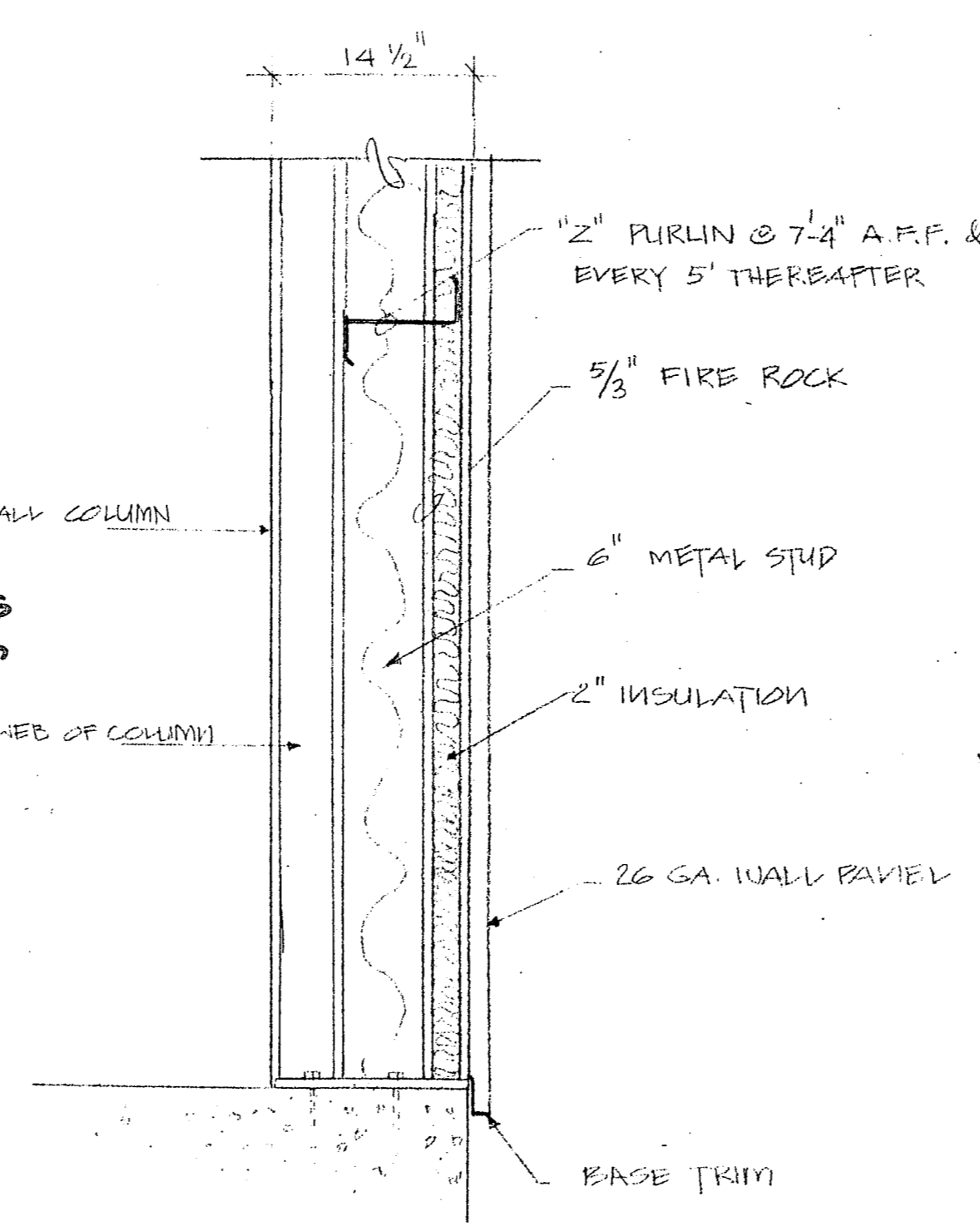
6" SLAB, $f_c \geq 3000$ PSI W/ #3 BARS, 12" O.C. IN OVER THE MINIMUM OF 15" SELECT FILL OR SELECT FILL TO TOP OF WEATHERED LIMESTONE (PER REED ENGINEERING REPORT #810, DATED SEP 10, 1991.) SELECT FILL COMPACTED TO 95 PERCENT PROCTOR.



		WFC W. F. CARTER CONSTRUCTION, INC. GENERAL CONTRACTORS 5809 East Berry • Fort Worth, Texas 76119 • 817 / 451-0410 • (Metro) 265-3251		CUSTOMER (BUILDER) DON CARTER HANGER	ISSUE DATE SEPT. 91 ISSUE
		LOCATION DALLAS, TEXAS	FOUNDATION & DETAIL		
DRAWN BY T-1	CHECKED BY	ENGINEER	JOB NUMBER	DRAWING NO. C-1	



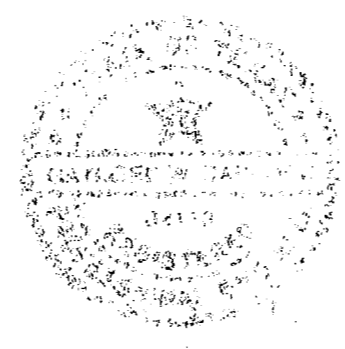
STRUCTURAL DRAWINGS
 REVD WITH ENG
 SEAL



ONE-HOUR FIRE WALL SCALE: 1"=1'-0"

ALL STRUCTURAL ELEMENTS LOCATED IN REVD
 FIRE WALL MUST HAVE FIRE PROTECTION ALSO

1 WALL DETAIL SCALE: 1"=1'-0"



		WFC W. F. CARTER CONSTRUCTION, INC. GENERAL CONTRACTORS 5809 East Berry • Fort Worth, Texas 76119 • 817 / 451-0410 • (Metro) 265-3251		
		REV DATE DESCRIPTION BY	CUSTOMER (BUILDER) DON CARTER HANGER	ISSUE DATE SEPT 91
DRAWN BY TM	CHECKED BY	ENGINEER	LOCATION DALLAS TEXAS	DRAWING NO. C-2
			JOB NUMBER	DETAILS

1. SEE ATTACHED DRAWING FOR HAZARDOUS AREA LOCATIONS.

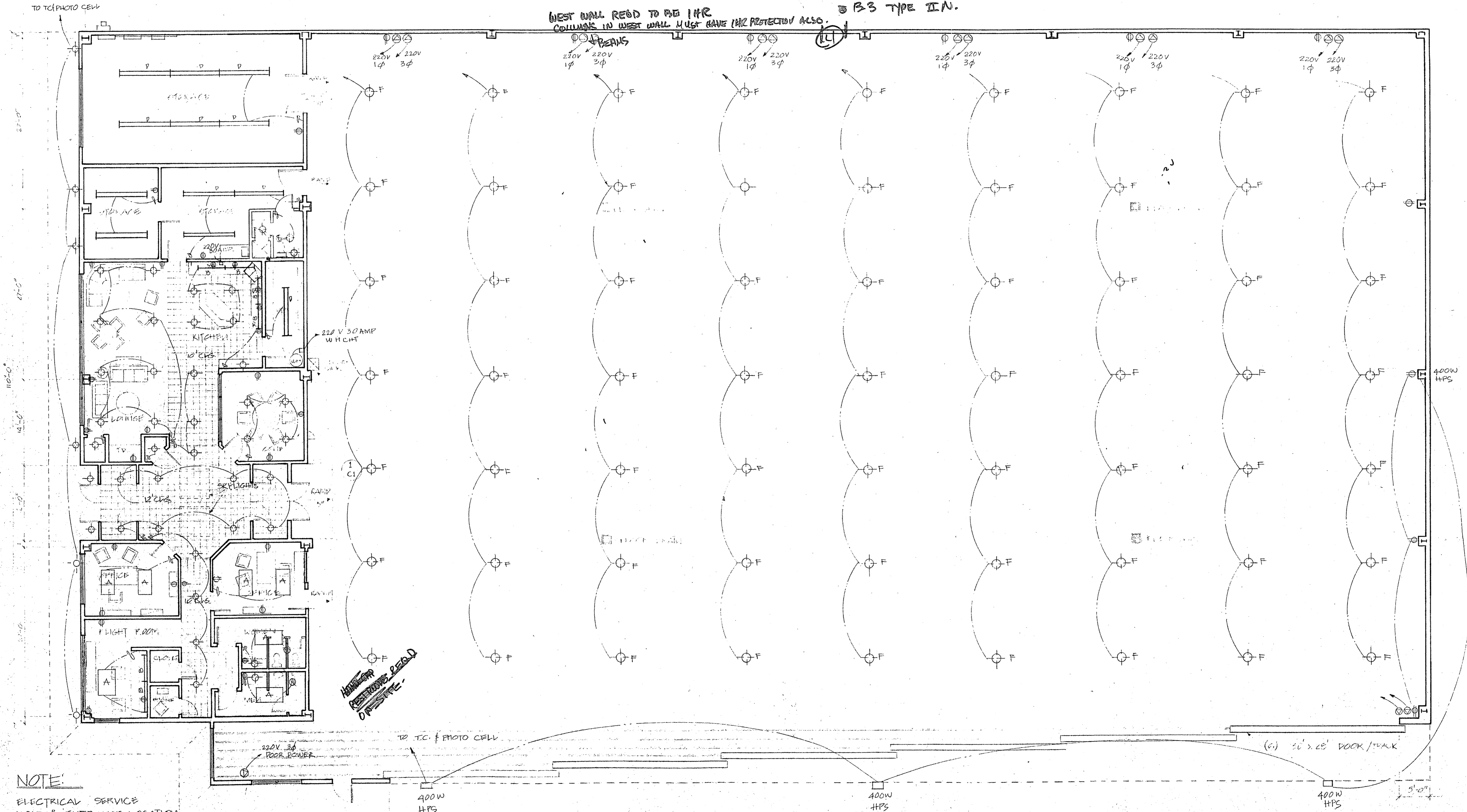
2. NO WELDING ALLOWED IN HAUGAR - BUILD IS BS TYPE II N.

3. OUTLETS IN OFFICE AREA MUST BE 15" MIN ABOVE FLOOR.

4. 2ND EXIT RECD

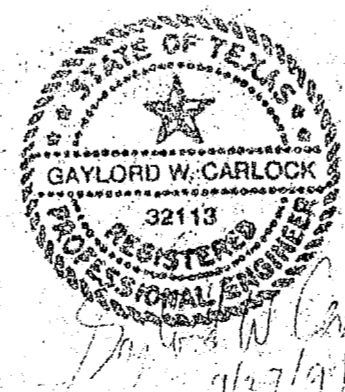
190

WEST WALL RECD TO BE 1HR COLLISION IN WEST WALL MUST HAVE 1HR PROTECTON ALSO.

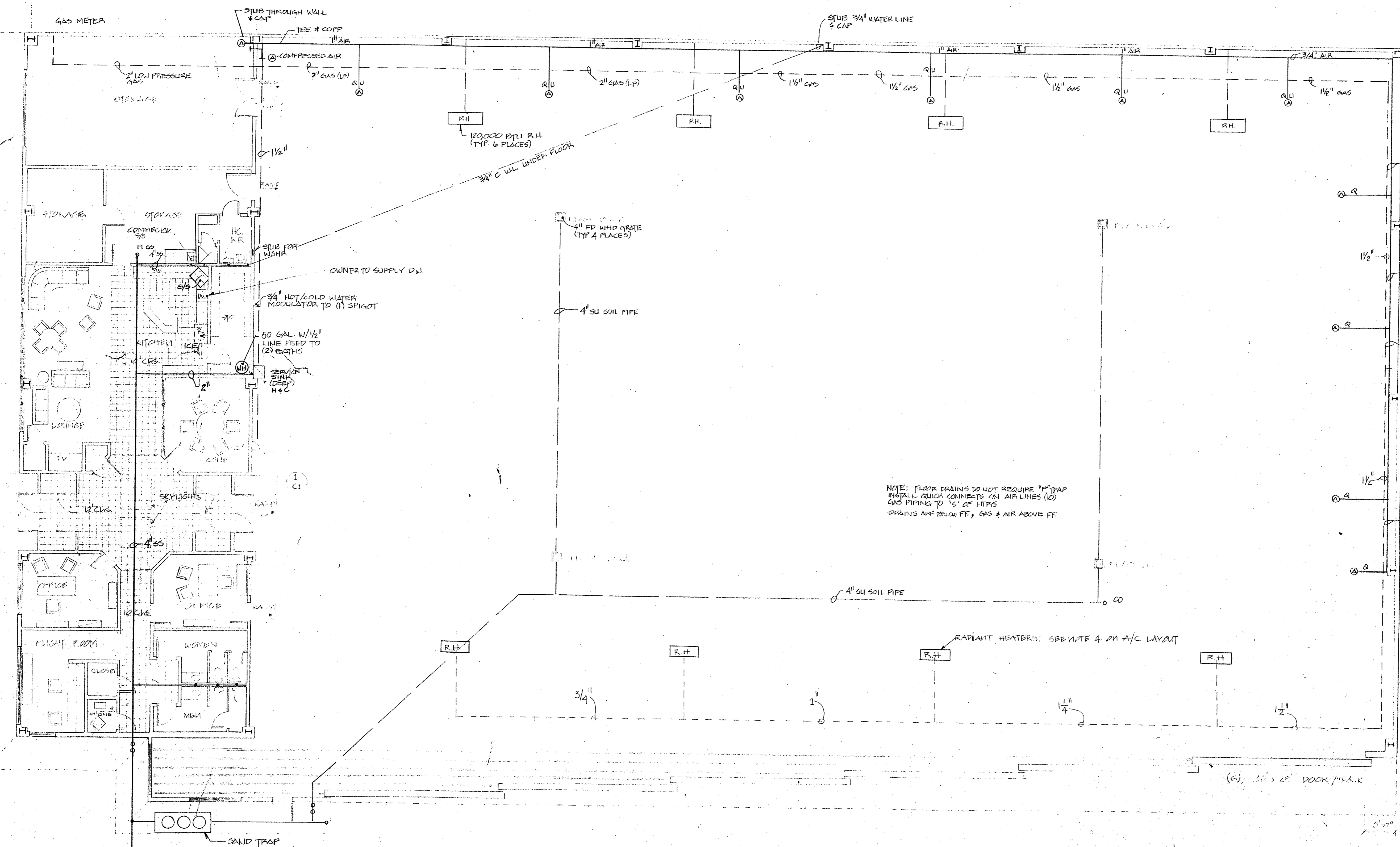


NOTE:
ELECTRICAL SERVICE LOAD & ENTRANCE LOCATION TO BE SUPPLIED BY ELECTRICAL CONTRACTOR AS AUTHORIZED BY THE OWNER.

ELECTRICAL PLAN SCALE: 1/8" = 1'-0" N



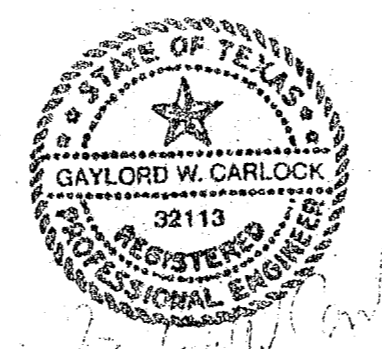
		WFC W. F. CARTER CONSTRUCTION, INC. GENERAL CONTRACTORS 5809 East Berry • Fort Worth, Texas 76119 • 817/451-0410 • (Metro) 265-3251	
DRAWN BY TM	CHECKED BY	ENGINEER	CUSTOMER (BUILDER) DAN CARTER HAUSER LOCATION DALLAS, TEXAS JOB NUMBER
REV. DATE	DESCRIPTION	BY	ISSUE DATE 9/21/91 ISSUE
DRAWING NO. E-1			



NOTE: FLOOR DRAINS DO NOT REQUIRE "P" TRAP
 INSTALL QUICK CONNECTS ON AIR LINES (10)
 GAS PIPING TO 1/2" AT HTPS
 DRAINS ARE BELOW FF, GAS & AIR ABOVE FF

RADIANT HEATERS: SEE NOTE 4 ON A/C LAYOUT

HVAC & PLUMBING



CECO Steel Buildings		WFC W. F. CARTER CONSTRUCTION, INC. GENERAL CONTRACTORS 5809 East Berry • Fort Worth, Texas 76119 • 817 / 451-0410 • (Metro) 265-3251	
REV	DATE	DESCRIPTION	BY
△			
△			
△			
DRAWN BY T.M.		CHECKED BY	ENGINEER
CUSTOMER (BUILDER) DAN CARTER HARBER		ISSUE DATE SEP 11	
LOCATION DALLAS, TEXAS		ISSUE HVAC & PLUMBING	
JOB NUMBER		DRAWING NO. P-1	

- EQUIPMENT SCHEDULE**
1. A/C CONDENSING UNITS #1, 2 & 3 = YORK MODEL # HICF080S06, AMPS = 39 MIN, VOLTS = 208/230-1-60, WEIGHT = 300 LBS, SEER RATING = 10
 2. A/C AIR HANDLERS #1, 2 & 3 = YORK MODEL # FIHBD20N09401, 125,000 BTUH GAS HEATING, AMPS = 10, VOLTAGE = 115-1-60, WEIGHT = 230 LBS, SPARK IGNITION.
 3. THERMOSTATS = HONEYWELL 7200 PROGRAMMABLE NIGHT SETBACK.
 4. INFRA-RED HEATERS #1, 2, 3, 4, 5, 6, 7, & 8 = MODINE MODEL # RH-120, 120,000 BTUH EACH, WEIGHT = 49 LBS
 5. EXHAUST FAN #1, 2, & 3 = DAYTON MODEL # 4CB19, .58 AMPS @ 115/ 1/60, WIRED THROUGH LIGHT SWITCH

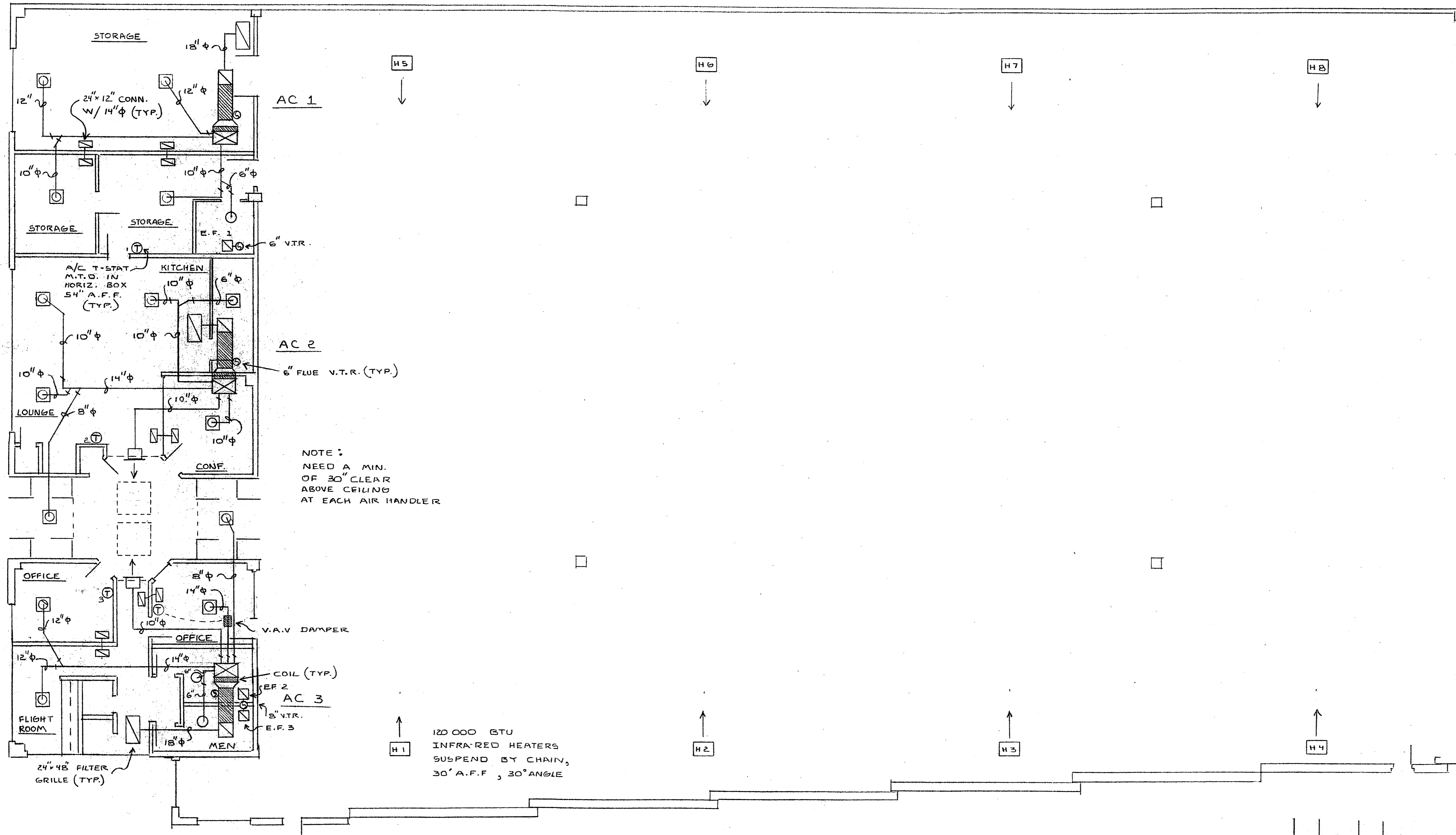
Ductwork:
 Supply - PRIME QUALITY SHEETMETAL WITH 1" LINER
 Return - PRIME QUALITY SHEETMETAL WITH 1" LINER FOR NOISE ATTENUATION.

Piping:
Refrigeration:
 Suction - TYPE "L" COPPER
 Liquid - TYPE "L" COPPER
 Drain Lines: TYPE "M" COPPER

Gas Piping: Schedule 40 black pipe. Final connection, last 3' flexible pipe.

Insulation:
Ductwork:
 Supply - 1" LINER WITH 2" FOIL ON RUNOUTS
 Return - 1" LINER WITH 2" FOIL ON RUNOUTS
Suction Lines: 3/8" ARMAFLEX
Condensate Drain Lines: 3/8" ARMAFLEX

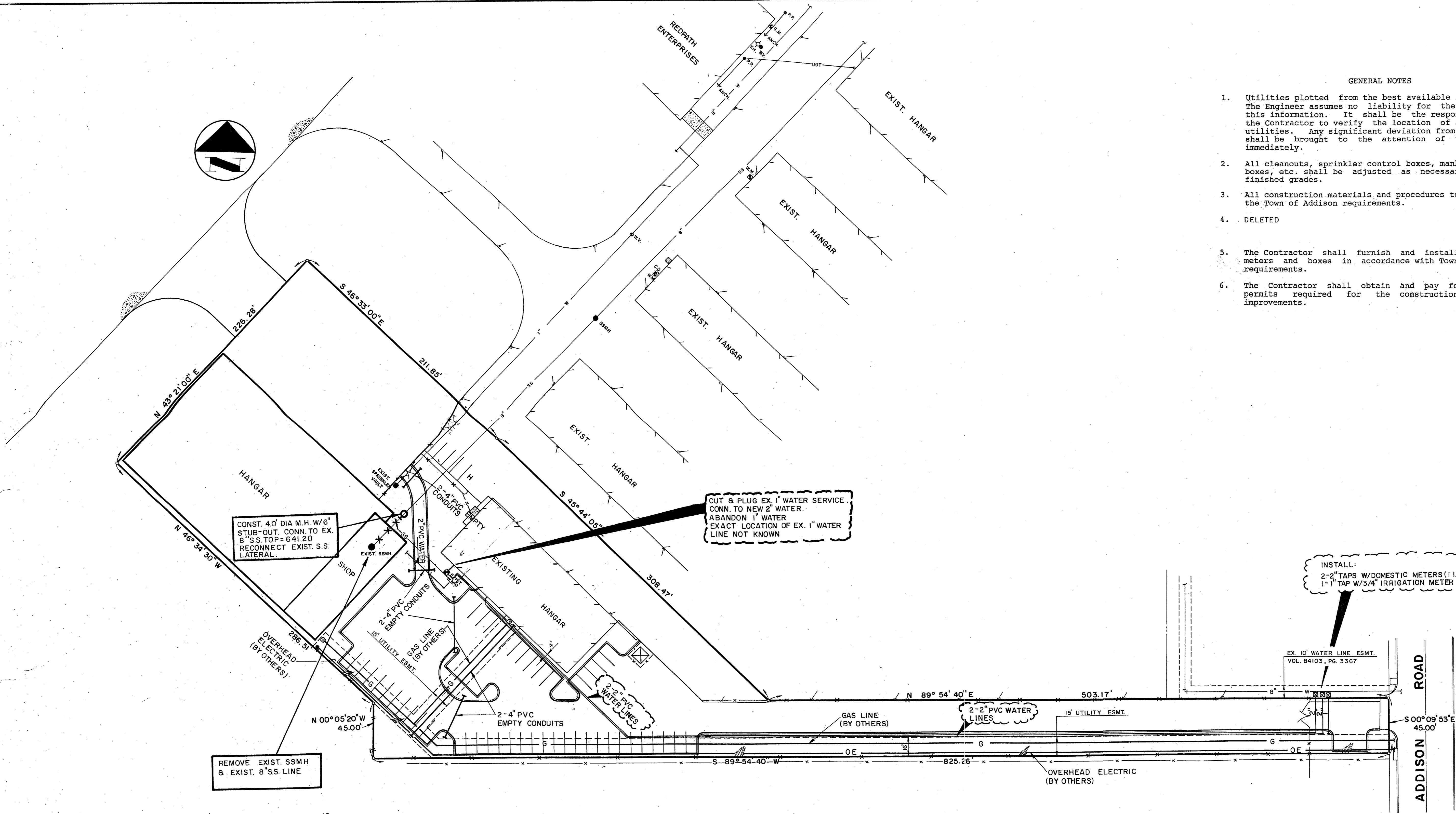
Grilles:
 Sidewall Supply Grilles: VHD
 Ceiling Supply Diffusers: Hart & Cooley #16 w/#12 damper.
 Hart & Cooley-CV92: NAILOR-HART 24"x24" LAY-1
 1/4" x 1/4" eggcrate.
 Return Grilles:



MECHANICAL SCALE 1/8" = 1'0"

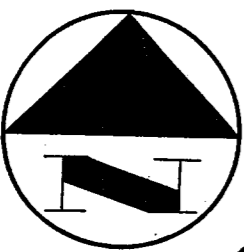
REVISIONS
 18-11-81
 10-11-81
 10-11-81
 10-11-81
 10-11-81
 10-11-81

REV.	DATE	BY	DESCRIPTION	JOB NO.
			AIR CONDITIONING LAYOUT FOR DON CARTER AIRPLANE HANGER	



GENERAL NOTES

1. Utilities plotted from the best available information. The Engineer assumes no liability for the accuracy of this information. It shall be the responsibility of the Contractor to verify the location of all existing utilities. Any significant deviation from these plans shall be brought to the attention of the Engineer immediately.
2. All cleanouts, sprinkler control boxes, manholes, meter boxes, etc. shall be adjusted as necessary to match finished grades.
3. All construction materials and procedures to conform to the Town of Addison requirements.
4. DELETED
5. The Contractor shall furnish and install all water meters and boxes in accordance with Town of Addison requirements.
6. The Contractor shall obtain and pay for all city permits required for the construction of these improvements.

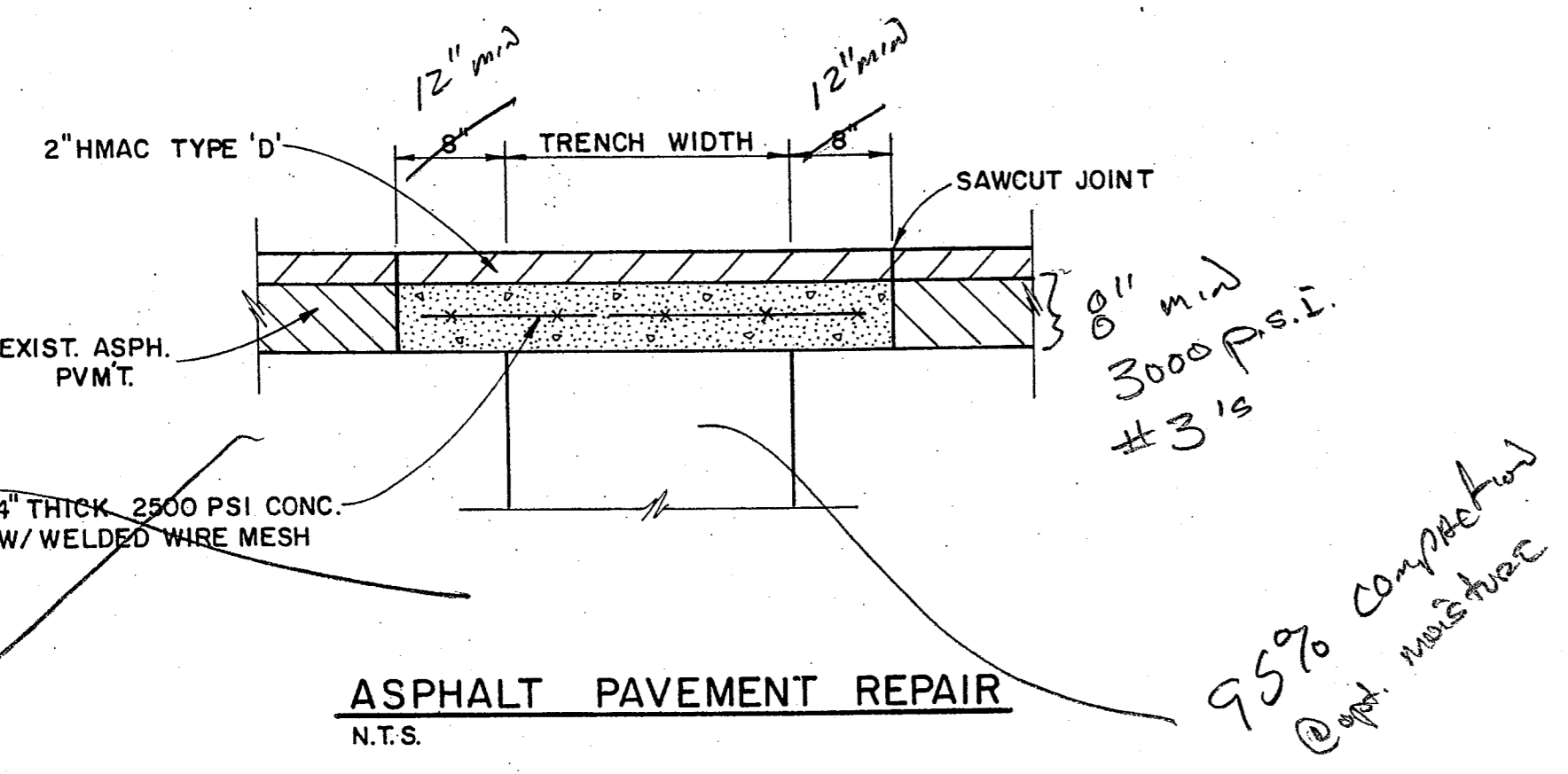


CONST. 4.0" DIA M.H. W/6" STUB-OUT. CONN. TO EX 8" S.S. TOP = 641.20 RECONNECT EXIST. S.S. LATERAL.

CUT & PLUG EX. 1" WATER SERVICE. CONN. TO NEW 2" WATER. ABANDON 1" WATER. EXACT LOCATION OF EX. 1" WATER LINE NOT KNOWN

INSTALL:
2-2" TAPS W/DOMESTIC METERS (1 1/2")
1-1" TAP W/3/4" IRRIGATION METER

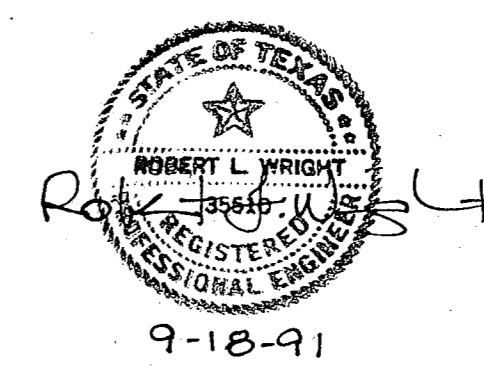
REMOVE EXIST. SSMH & EXIST. 8" S.S. LINE



ASPHALT PAVEMENT REPAIR
N.T.S.

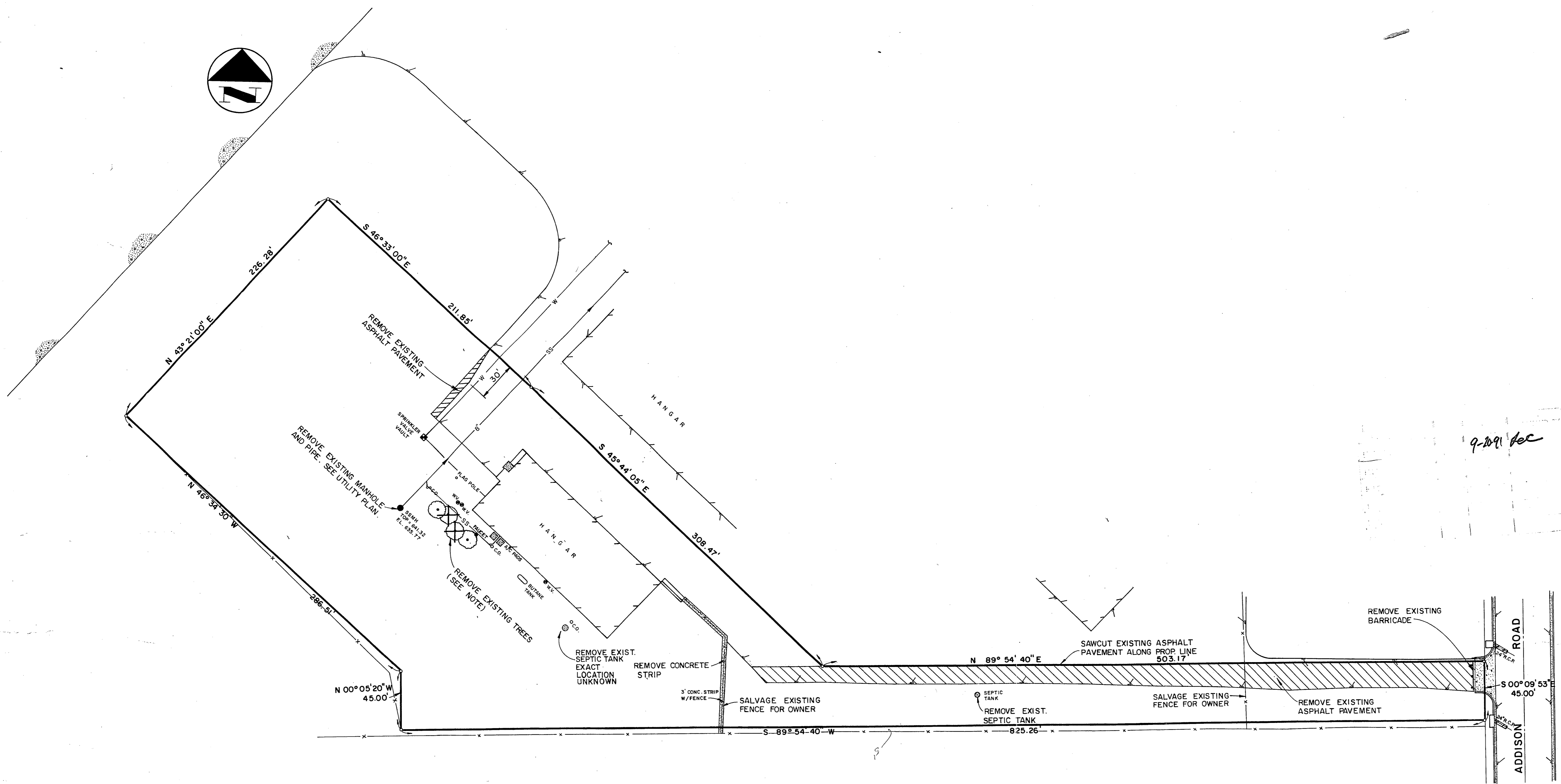
95% completed
@ 10/1/91

19351 ADDISON RD
 PERSONAL WAY AVIATION
 C.J.H. COBB
 19-05-91



NEEDHAM WRIGHT LASKEY ENGINEERS INC.
 10290 MONROE DRIVE SUITE 305
 DALLAS, TEXAS, 75229
 PH. 214 357 2981
 JOB NO. 90-425 SHEET NO. 4

UTILITIES PLAN							
PERSONAL WAY AVIATION							
TOWN OF ADDISON, TEXAS							
DRAWN	DESIGN	DATE	SCALE	NOTES	FILE	NUMBER	
N.W.L.	N.W.L.	9-18-91	1"=40'				

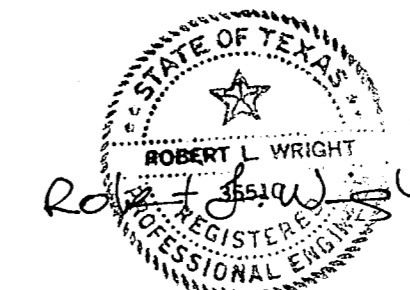


9-18-91 *dec*

GENERAL NOTES

- Existing flagpole to be removed and salvaged for Owner.
- Butane tank must remain in service until new gas line is installed by Lone Star Gas Company.
- There is a second septic tank located on the site. The exact location is unknown. The Contractor shall also include removal of this tank in his demolition price.
- All materials to be salvaged for the Owner shall be stored in the existing hangar or delivered to a site within 2 miles of the project location.
- Exact location of existing water lines is unknown.

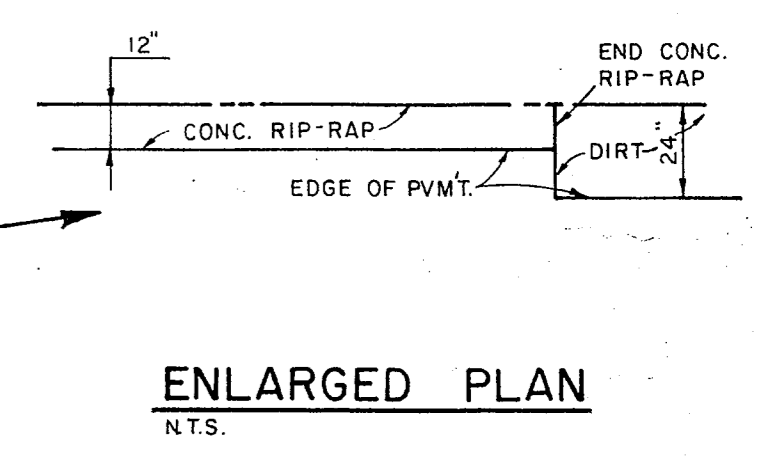
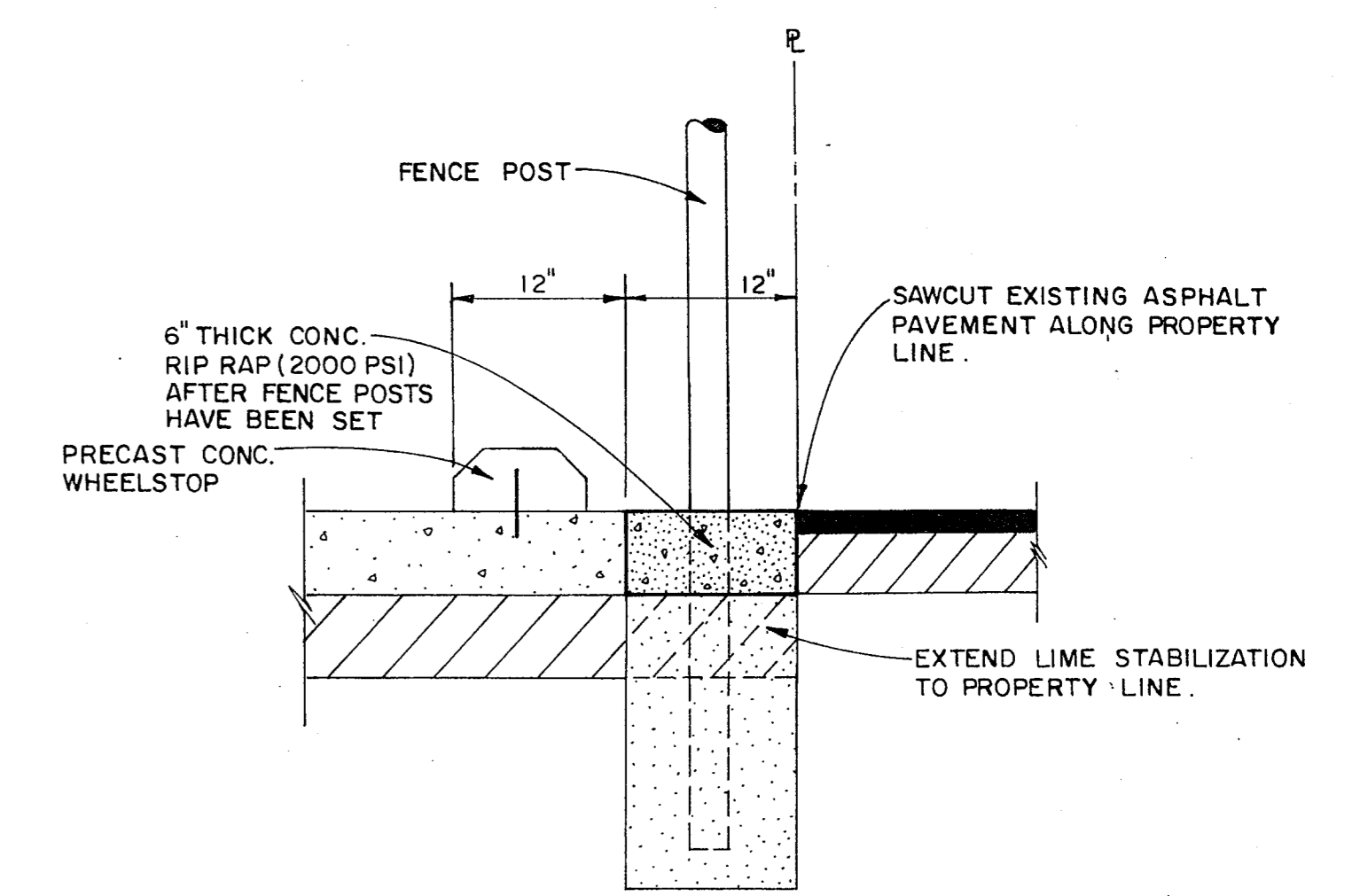
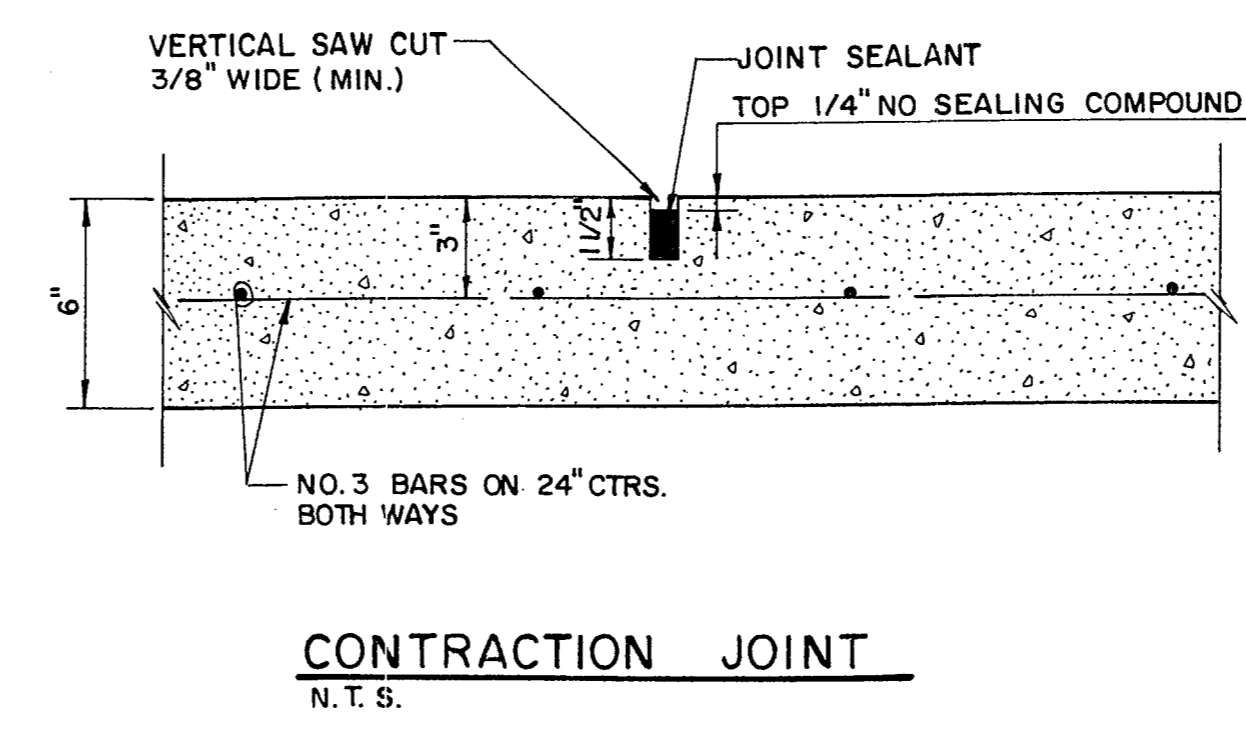
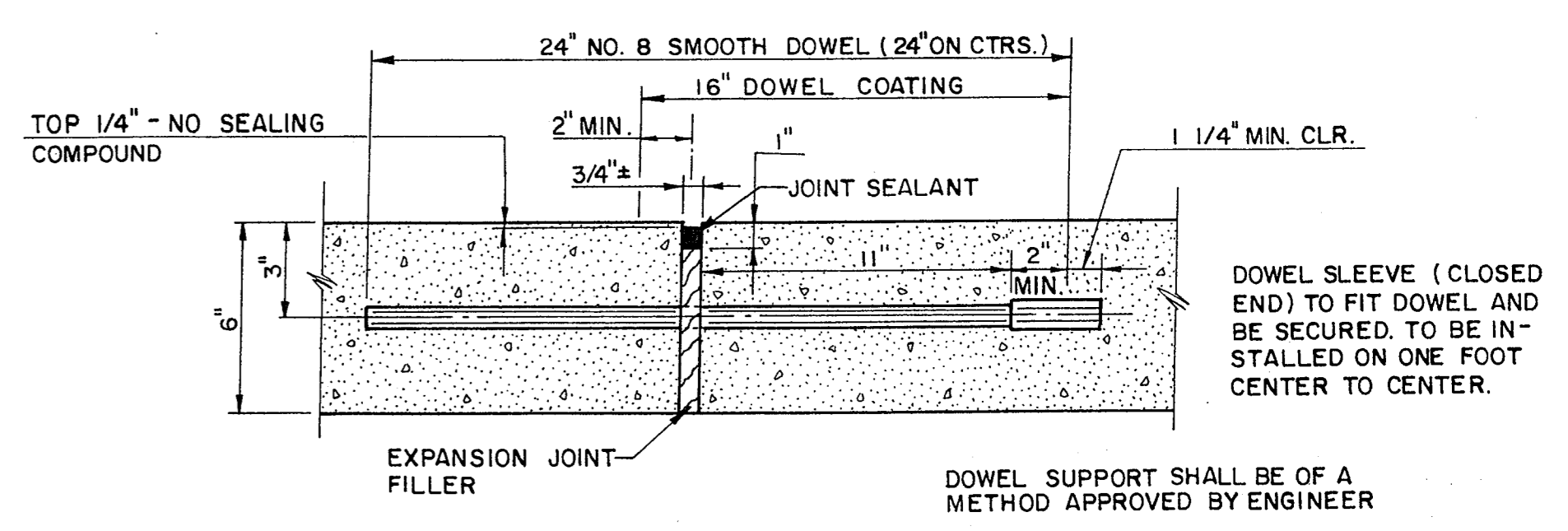
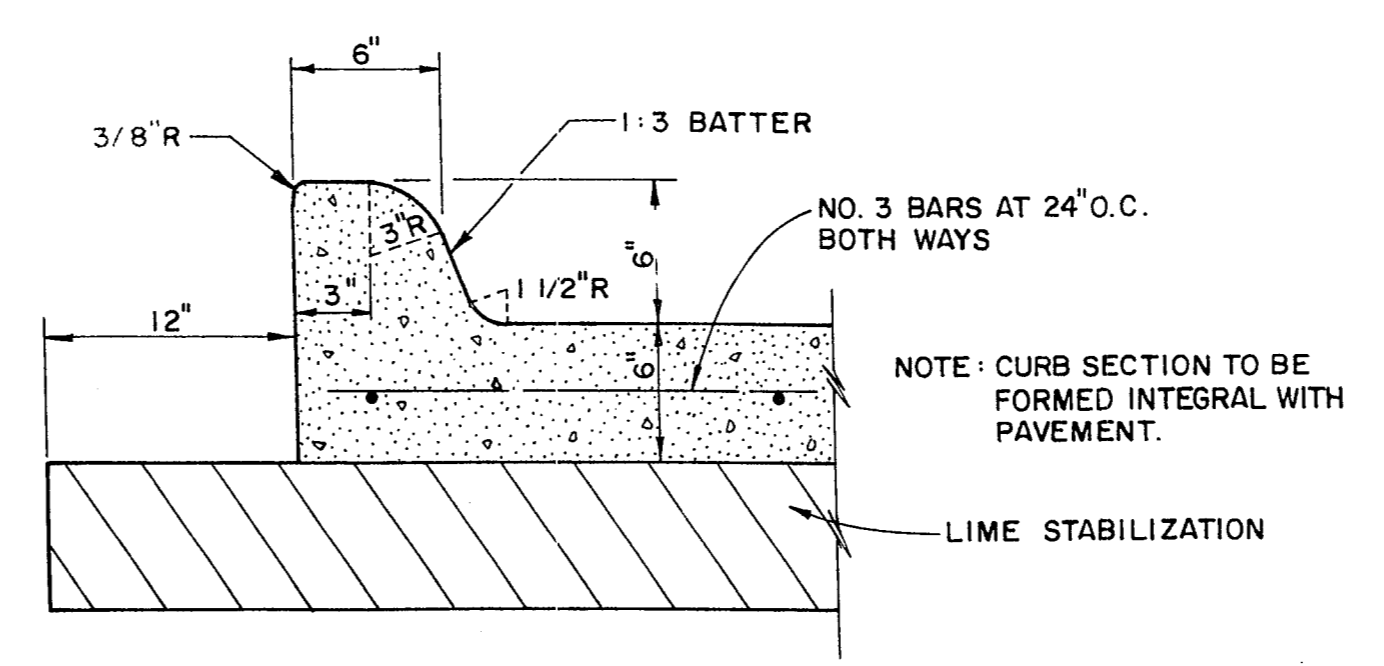
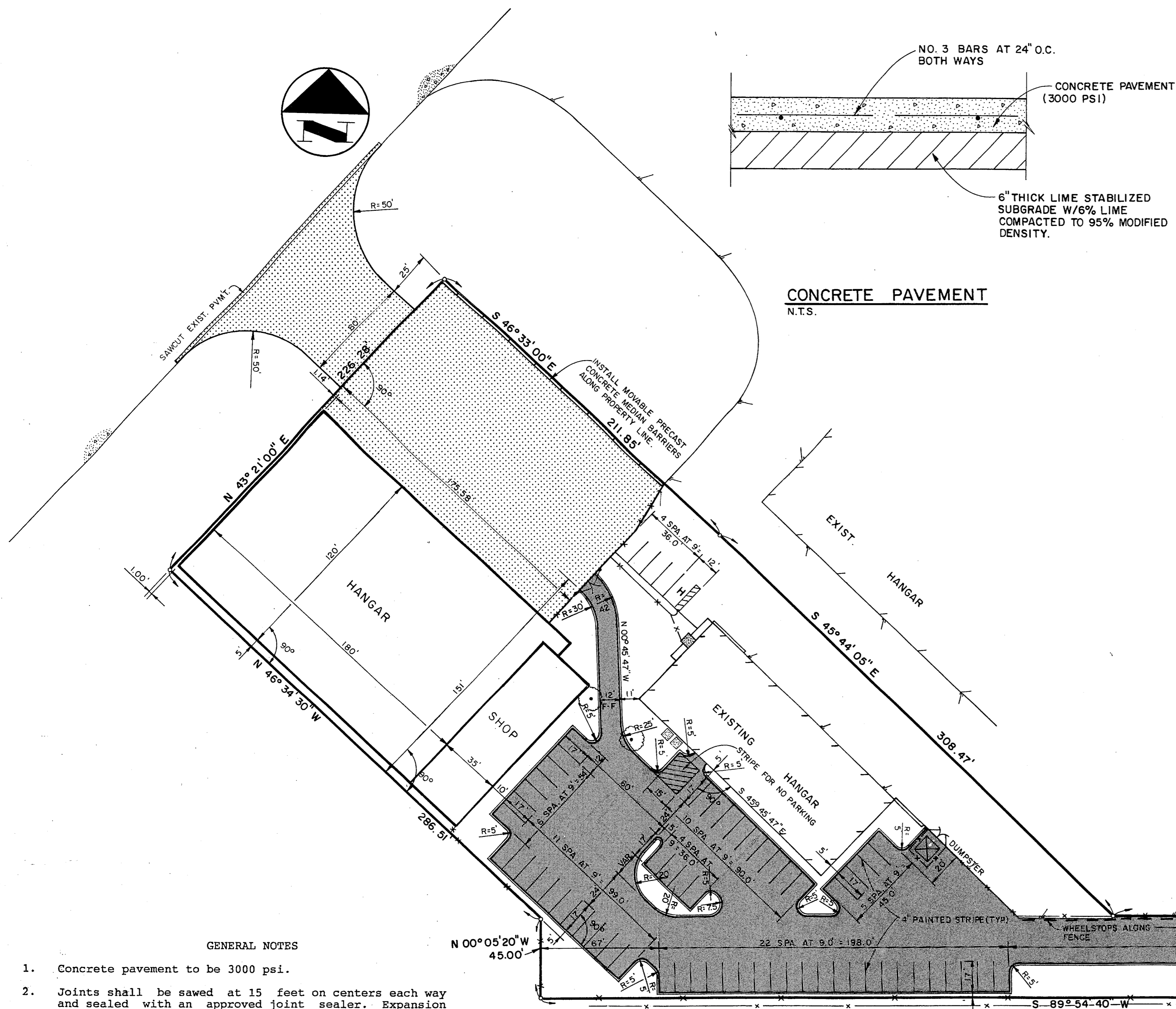
NOTE: DO NOT REMOVE TREES UNTIL SPECIFICALLY DIRECTED BY OWNER.



NEEDHAM WRIGHT LASKEY
ENGINEERS INC.
17120 DALLAS PARKWAY
SUITE 130
DALLAS, TEXAS 75248
(214) 250-4110

DEMOLITION PLAN						
PERSONAL WAY AVIATION						
TOWN OF ADDISON, TEXAS						
DRAWN	DESIGN	DATE	SCALE	NOTES	FILE	NUMBER
N.W.L.	N.W.L.	9-18-91	1"=40'			

JOB NO. 90-425 SHEET NO. 1



- GENERAL NOTES
- Concrete pavement to be 3000 psi.
 - Joints shall be sawed at 15 feet on centers each way and sealed with an approved joint sealer. Expansion joints to be installed at 60 feet on centers each way.
 - All curbs shall be placed integral with the concrete pavement.
 - Subgrade under pavement shall be compacted to a density of not less than 95 percent modified proctor density.
 - Excess excavation to be disposed of offsite.
 - All fencing to be by others.
 - All construction materials and procedures to conform to the Town of Addison requirements.
 - Beneath the hangar and the shop, the subgrade shall be rough graded to an elevation 24 inches below finished floor elevation. All rough grading on the site to be within 0.1 ± feet of final subgrade.
 - All work within the limits of the airport property shall be coordinated with the airport operator, Addison Airport of Texas, Inc.
 - New pavement to be doweled into existing driveway turnout at Addison Road.
 - The Contractor shall obtain and pay for all city permits required for the construction of these improvements.

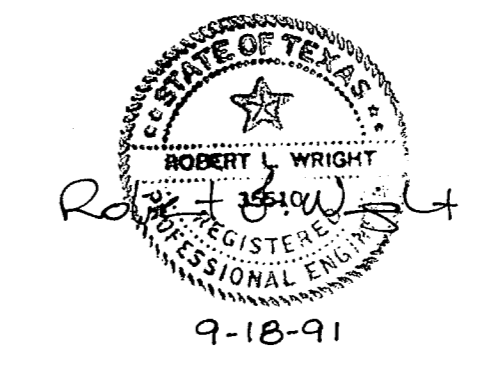
PARKING SUMMARY

SECURED	59
UNSECURED	5
TOTAL	64

NOTE: ALL DIMENSIONS TO FACE OF CURB.

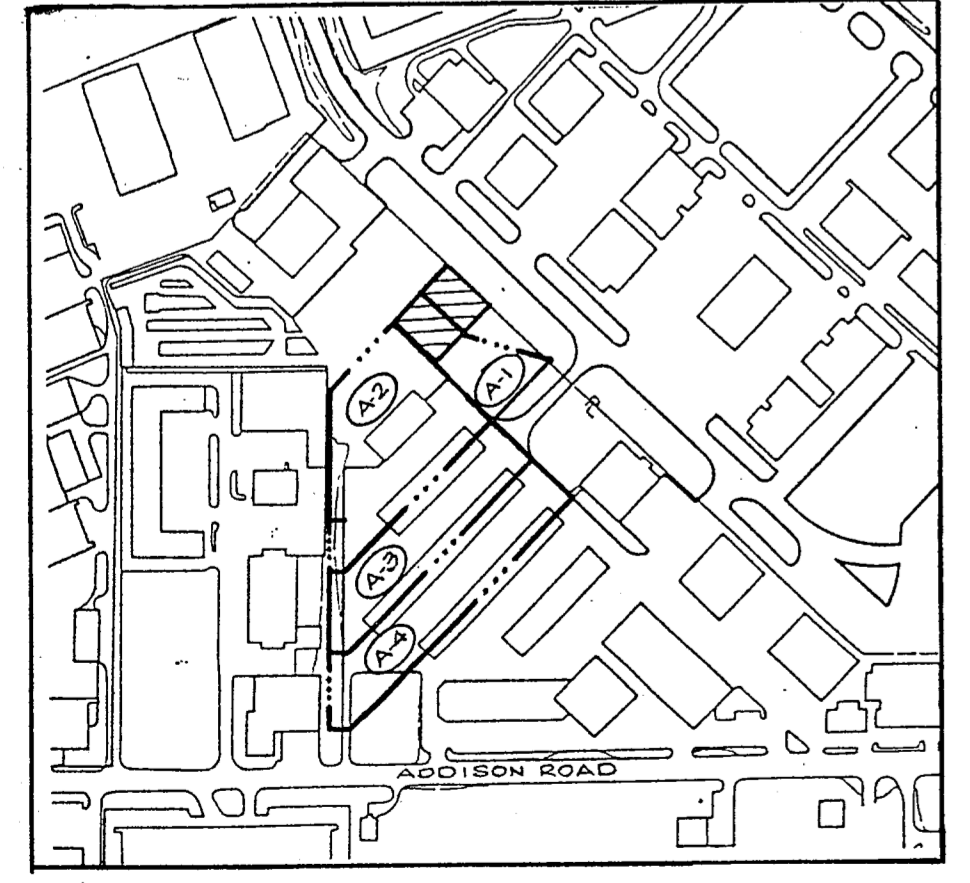
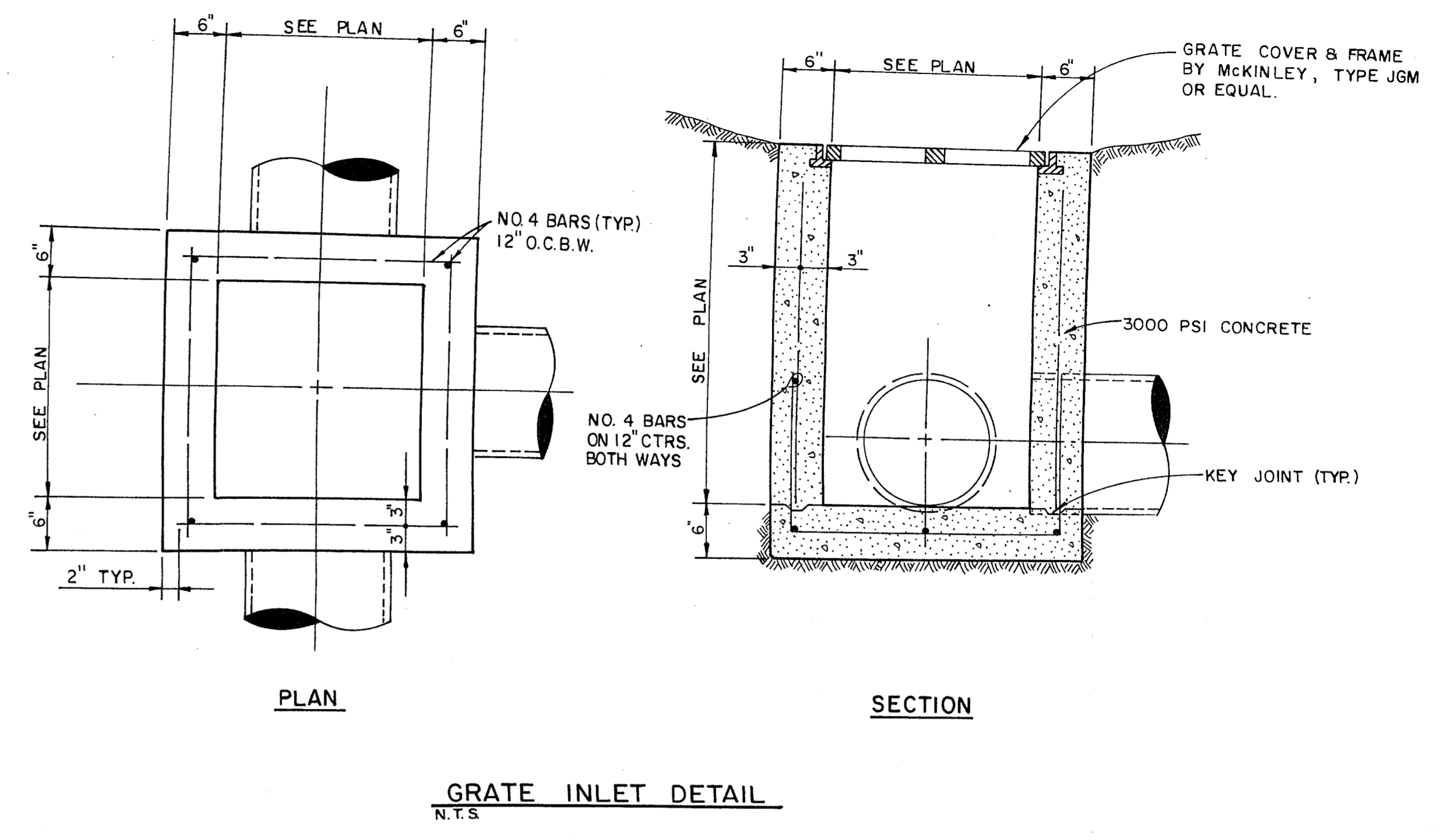
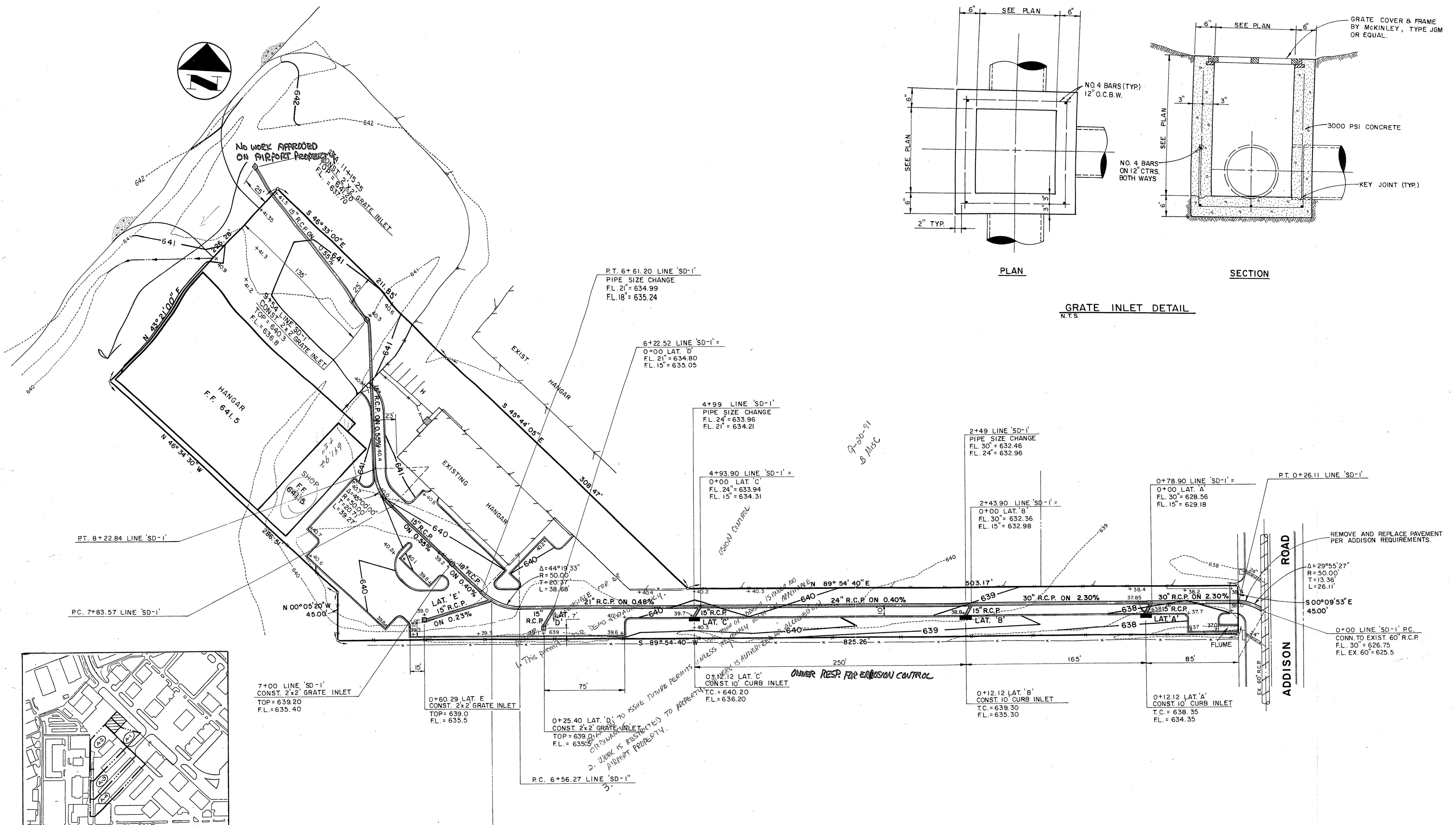
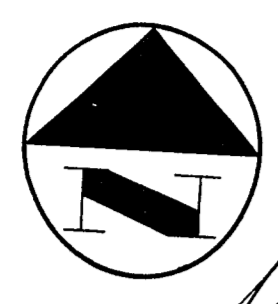
LEGEND

	6" CONCRETE PAVEMENT
	8" CONCRETE PAVEMENT



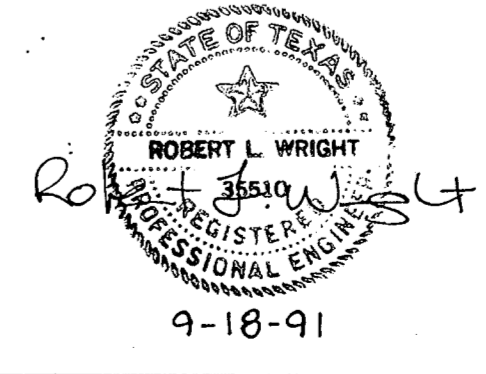
NEEDHAM WRIGHT LASKEY ENGINEERS INC.
 10290 MONROE DRIVE SUITE 305
 DALLAS, TEXAS, 75229
 PH. 214 357 2981 SHEET NO. 2

SITE PLAN						
PERSONAL WAY AVIATION						
TOWN OF ADDISON, TEXAS						
DRAWN	DESIGN	DATE	SCALE	NOTES	FILE	NUMBER
N.W.L.	N.W.L.	9-18-91	1" = 40'			



DRAINAGE AREA MAP
1" = 400'

D.A.	AREA	C	I	Q
A-1	0.6	0.85	8.74	4.5
A-2	1.9	0.85	8.74	14.1
A-3	1.6	0.85	8.74	11.9
A-4	1.9	0.85	8.74	14.1



NEEDHAM WRIGHT LASKEY
ENGINEERS INC.
10280 MONROE DRIVE

GRADING PLAN						
PERSONAL WAY AVIATION						
TOWN OF ADDISON, TEXAS						
DRAWN	DESIGN	DATE	SCALE	NOTES	FILE	NUMBER