

CONSTRUCTION PLANS
FOR
SUNWEST BANK
JOURNAL CENTER INDUSTRIAL PARK
ALBUQUERQUE, NEW MEXICO

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SHEET NUMBER	DESCRIPTION
1	TITLE SHEET
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6	UTILITY PLAN AND PROFILE (PRIVATE WATER AND SANITARY SEWER) STA. 9+00 TO STA. 14+50
7	PHASING PLAN

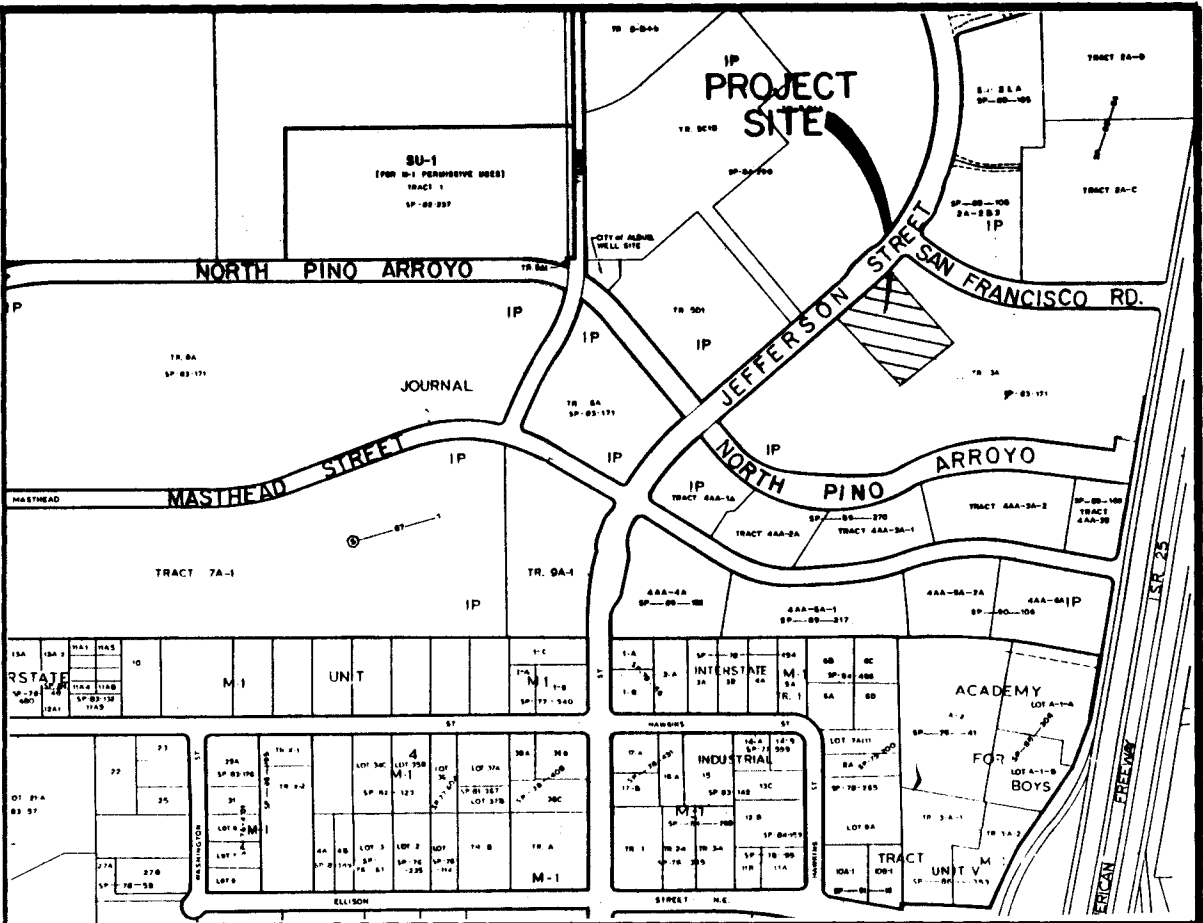
CONSTRUCTION NOTES PINO ARROYO CHANNEL CONNECTION:

- Construction within the channel shall be prohibited from July 1, 1993 to September 15, 1993. Contractor shall complete his work on this channel connection prior to July 1st deadline, or shall schedule it after September 15, 1993.
- Contractor shall initiate work on this channel connection immediately following notice to proceed from the Owner, however, contractor must first consult with AMAFCA regarding long term weather projections prior to any work beginning. If rain is projected, AMAFCA shall have the authority to prohibit work in the right-of-way.
- Contractor shall start and complete this work on any consecutive four day period subject to the restrictions and the notes above. An approximate construction scenario is provided below:

CONSTRUCTION TIME FRAME:

- Day 0 - Sawcut removal limits, remove sod, start trench
- Day 1 - Remove channel lining place pipe
- Day 2 - Tie steel on pipe collar, pour pipe connect
- Day 3 - Tie steel channel, pour channel
- Day 4 - Contingency

- Contractor shall have on hand at all times emergency materials, including 50 filled sand bags, for use in the channel protection during inclement weather.



VICINITY MAP
NOT TO SCALE
D-17

NOTICE TO CONTRACTORS

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, WITH UPDATE # 4
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☐ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☒ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☒ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Russell B. Smith
DATE: 1-6-94

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4656.900194

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

APPROVAL OF REVISIONS

	BOHANNAN HUSTON INC. ALBUQUERQUE, NEW MEXICO ENGINEERS PLANNERS PHOTOGRAMMETRISTS	APPROVED FOR CONSTRUCTION <i>Russell B. Smith</i> 1/9/93 C.E.
	PROJECT NUMBER 4656.90	SHEET 1 OF 7

SCANNED BY
BY LASON

BHT JOB NO. 92285-42

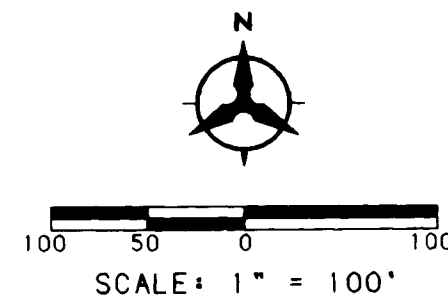
CURVE DATA				
NUMBER	ARC	RADIUS	DELTA	CHORD
C1	546.63	826.74	37°53'00"	536.73
C2	70.49	160.24	25°12'14"	69.92
C3	180.38	1063.90	9°42'52"	180.17
C4	254.25	322.42	45°10'54"	247.71
C5	143.26	943.00	8°42'15"	143.12
C6	37.51	25.00	85°58'18"	34.09
C7	510.23	786.28	37°10'49"	501.33
C8	43.69	25.00	100°08'23"	38.34
C9	163.68	57.01	164°29'49"	112.98
C10	21.48	11.50	107°00'49"	18.49
C11	164.62	953.00	9°53'50"	164.42
C12	154.14	47.01	187°51'39"	93.80
C13	31.80	354.41	5°08'28"	31.79
C14	36.36	274.87	7°34'46"	36.33
C15	35.64	168.10	12°08'48"	35.57
C16	69.73	406.42	9°49'51"	68.65
C17	90.49	172.87	29°59'28"	89.46
C18	35.80	250.23	8°11'47"	35.76
C19	49.43	238.33	11°53'01"	49.34
C20	73.47	97.69	43°05'18"	71.75
C21	37.66	89.20	24°11'21"	37.38
C22	14.39	61.56	13°23'33"	14.36
C23	55.05	100.38	31°25'11"	54.36
C24	31.19	911.39	1°57'39"	31.19
C25	68.41	284.35	13°47'03"	68.24
C26	23.08	15.90	83°11'20"	21.11
C27	45.16	107.11	24°09'31"	44.83
C28	54.43	101.08	30°51'13"	53.78
C29	72.57	698.86	5°57'00"	72.54
C30	53.48	575.49	5°19'28"	53.46
C31	53.46	126.70	24°10'28"	53.06
C32	54.93	79.59	39°32'34"	53.84
C33	35.22	15.47	17°28'36"	35.09
C34	89.96	1081.33	4°46'00"	89.94
C35	53.07	271.12	11°12'54"	52.98
C36	55.08	96.83	32°35'28"	54.34
C37	89.04	218.02	23°24'01"	88.42
C38	72.67	134.20	31°01'28"	71.78
C39	35.29	127.88	15°48'51"	35.18
C40	21.89	30.00	41°48'37"	21.41
C41	47.12	30.00	90°00'00"	42.43
C42	14.05	25.00	32°12'15"	13.87
C43	170.63	40.00	244°24'30"	67.69
C44	14.05	25.00	32°12'15"	13.87
C45	21.89	30.00	41°48'37"	21.41
C46	21.89	30.00	41°48'37"	21.41
C47	47.12	30.00	90°00'00"	42.43

TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	N79°16'23"W	81.70
T2	S10°43'37"W	50.00
T3	S50°06'07"E	1.69
T4	N39°30'00"W	110.60
T5	S52°13'57"E	62.32
T6	N50°30'00"E	67.55
T7	N50°30'00"E	78.32
T8	S39°30'00"E	2.31
T9	N55°01'13"E	37.80
T10	N50°30'00"E	91.75
T11	N47°34'54"E	35.81
T12	N50°30'00"E	75.61
T13	N50°30'00"E	36.38
T14	N64°00'20"E	35.78
T15	S57°45'03"E	17.19
T16	S52°13'57"E	61.49
T17	S70°27'13"E	36.18
T18	N80°48'53"E	35.82
T19	S89°24'45"E	90.23
T20	N39°30'00"W	28.67
T21	N27°22'00"E	45.66
T22	N57°37'00"E	25.00
T23	N08°34'00"E	44.00
T24	N49°13'00"E	267.30
T25	N49°13'00"E	129.00
T26	N50°30'00"E	20.00
T27	N50°30'00"E	21.01

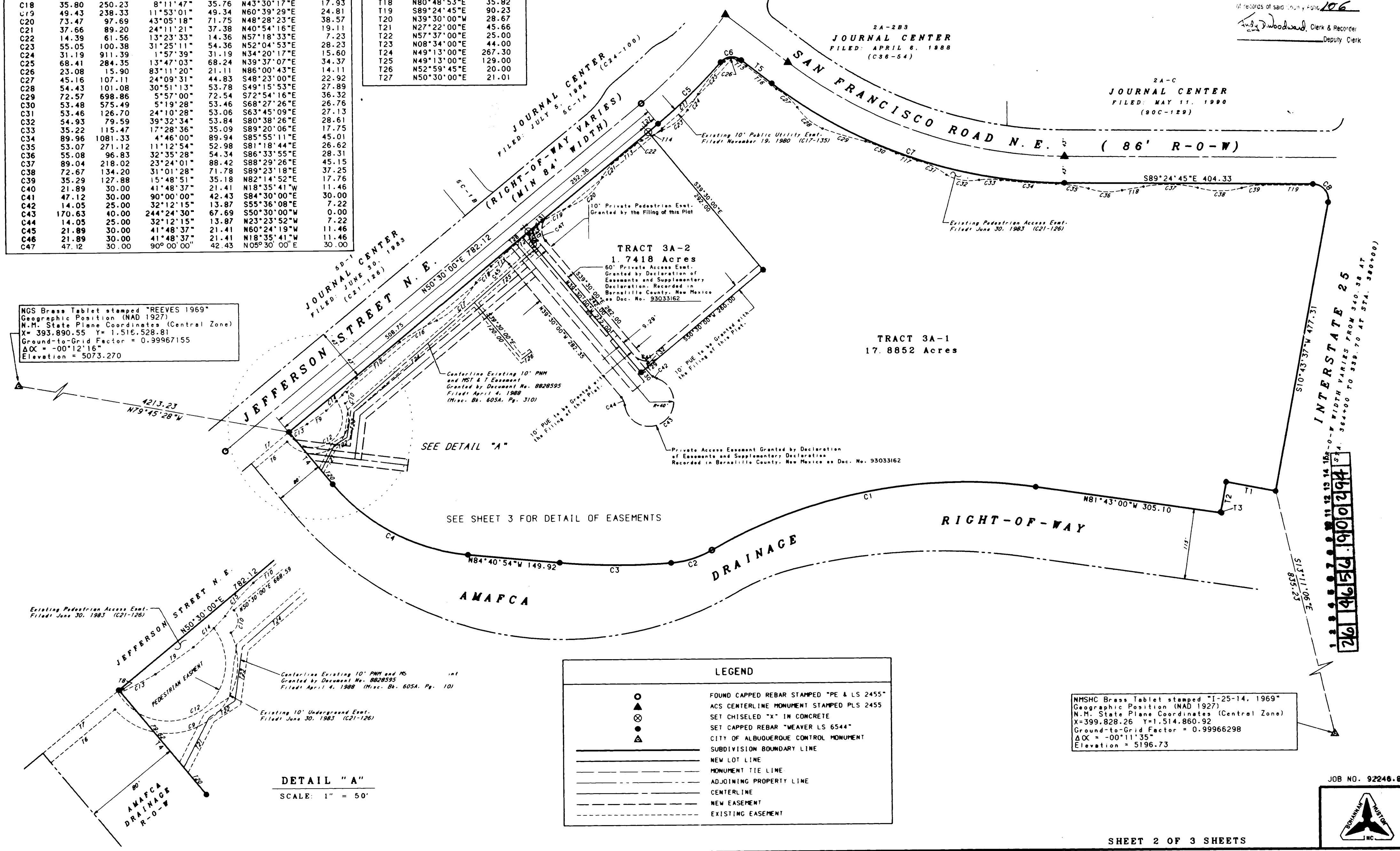
TANGENT DATA		
NUMBER	BEARING	DISTANCE
T28	N50°30'00"E	75.28
T29	S50°30'00"W	30.00
T30	S39°30'00"E	10.35
T31	N50°30'00"E	10.00
T32	S50°30'00"W	10.00
T33	S50°30'00"W	13.35
T34	N50°30'00"E	15.00
T35	S39°30'00"E	10.00
T36	S50°30'00"W	15.00
T37	S50°30'00"W	25.00
T38	S39°30'00"E	20.00

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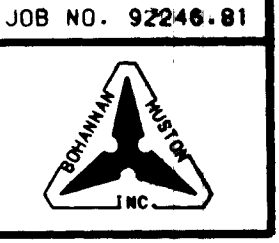
REPLAT OF
TRACT 3A
JOURNAL CENTER
ALBUQUERQUE, NEW MEXICO
March, 1993



State of New Mexico) SS
County of Bernalillo)
This instrument was filed for record on
APR 1 1993
RECORDED IN V. 93C
AT RECORDS OF SAID COUNTY PAGE 106
K. J. Woodward, Clerk & Recorder
Deputy Clerk



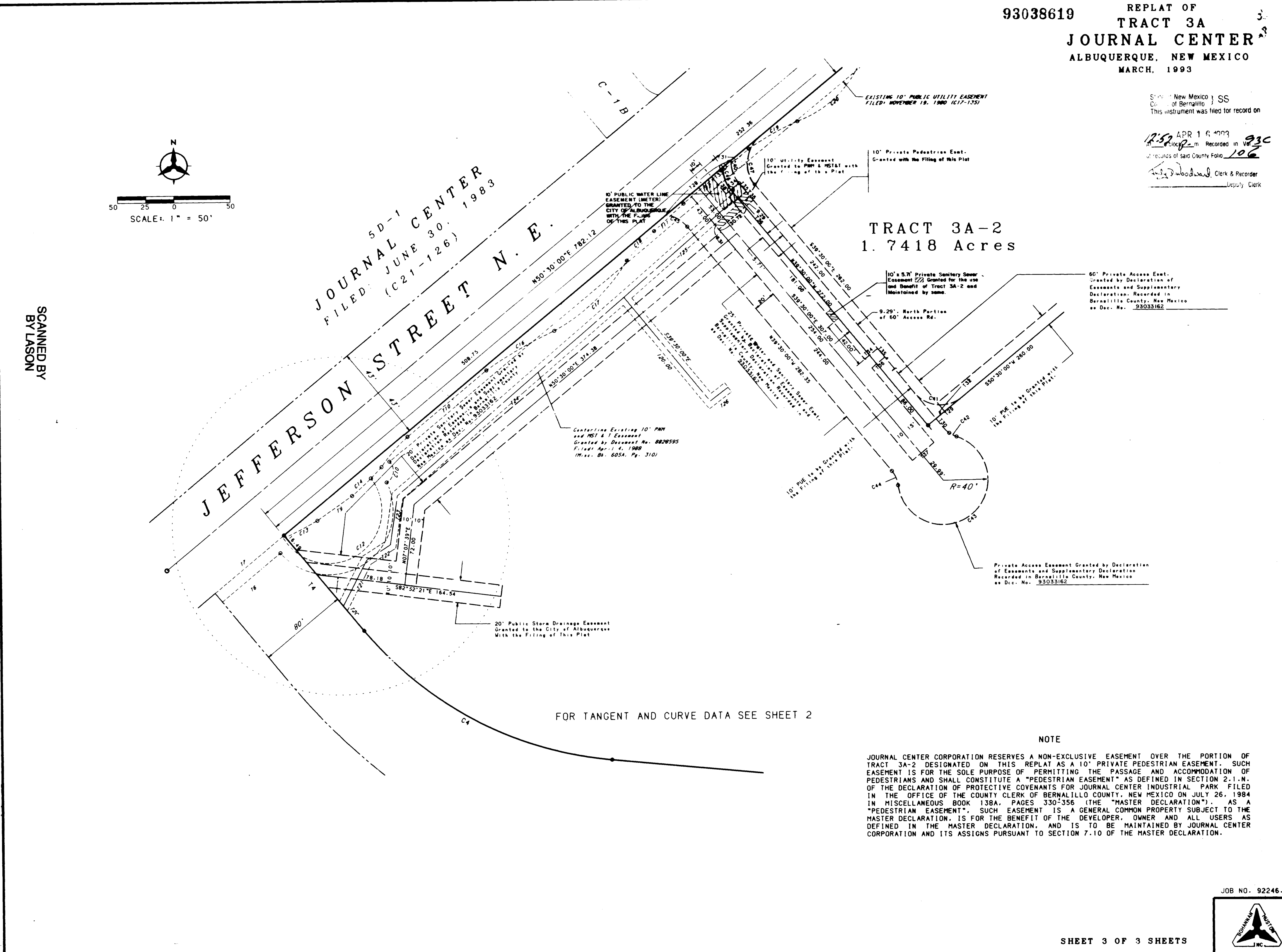
SHEET 2 OF 3 SHEETS



93038619

REPLAT OF
TRACT 3A
JOURNAL CENTER
ALBUQUERQUE, NEW MEXICO
MARCH, 1993

State of New Mexico) SS
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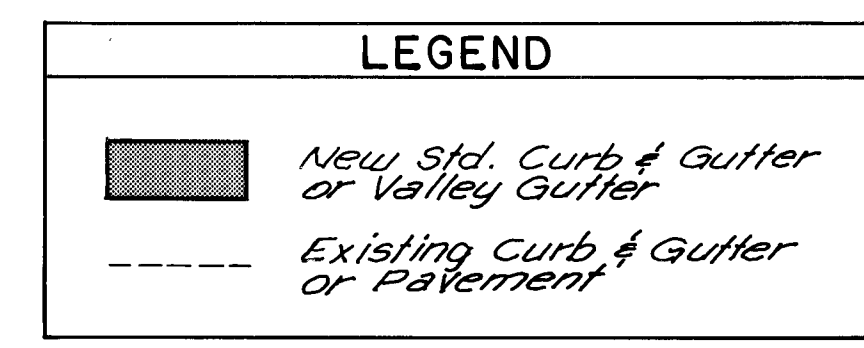
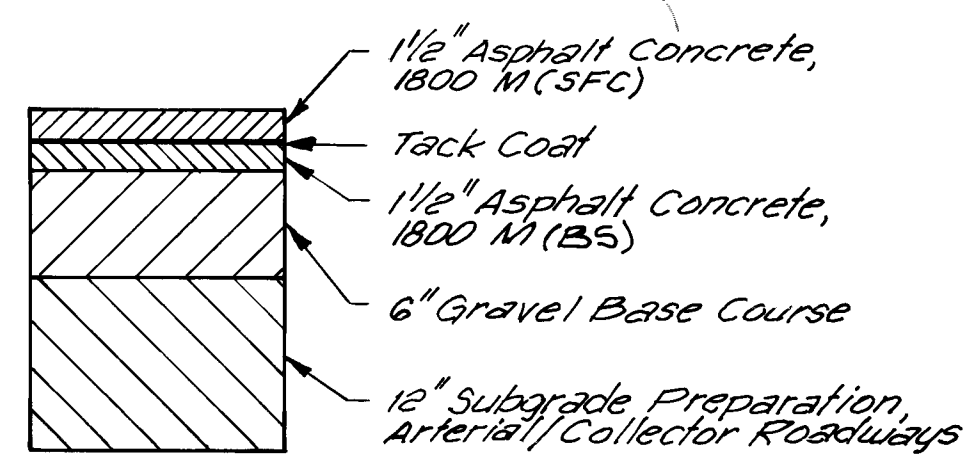
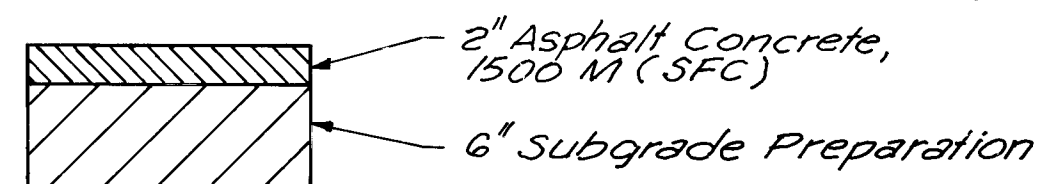
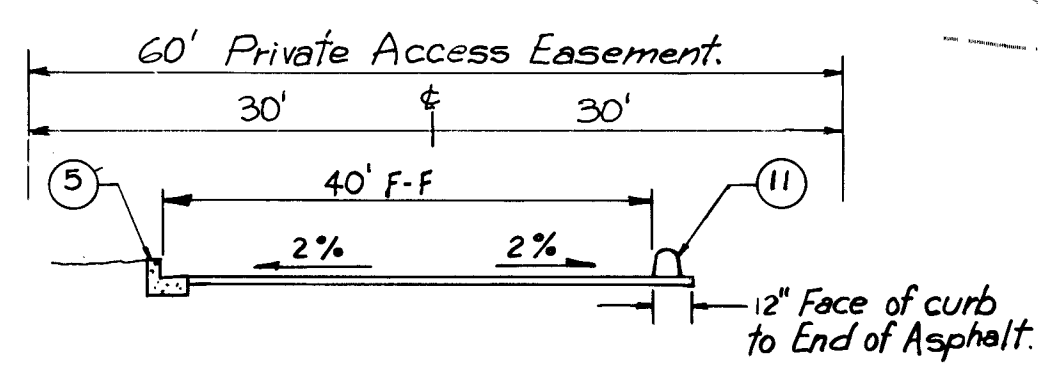
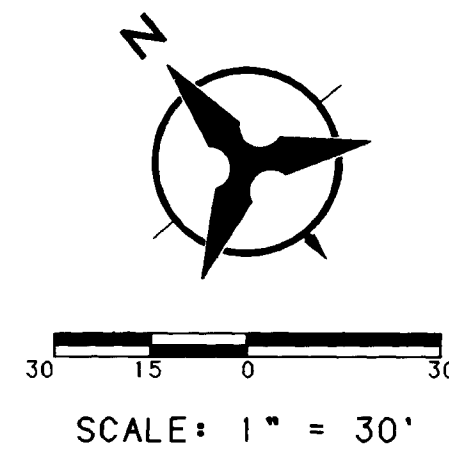


NOTE

JOURNAL CENTER CORPORATION RESERVES A NON-EXCLUSIVE EASEMENT OVER THE PORTION OF TRACT 3A-2 DESIGNATED ON THIS REPLAT AS A 10' PRIVATE PEDESTRIAN EASEMENT. SUCH EASEMENT IS FOR THE SOLE PURPOSE OF PERMITTING THE PASSAGE AND ACCOMMODATION OF PEDESTRIANS AND SHALL CONSTITUTE A "PEDESTRIAN EASEMENT" AS DEFINED IN SECTION 2.1.1. OF THE DECLARATION OF PROTECTIVE COVENANTS FOR JOURNAL CENTER INDUSTRIAL PARK FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON JULY 26, 1984 IN MISCELLANEOUS BOOK 138A, PAGES 330-356 (THE "MASTER DECLARATION"). AS A "PEDESTRIAN EASEMENT", SUCH EASEMENT IS A GENERAL COMMON PROPERTY SUBJECT TO THE MASTER DECLARATION, IS FOR THE BENEFIT OF THE DEVELOPER, OWNER AND ALL USERS AS DEFINED IN THE MASTER DECLARATION, AND IS TO BE MAINTAINED BY JOURNAL CENTER CORPORATION AND ITS ASSIGNS PURSUANT TO SECTION 7.10 OF THE MASTER DECLARATION.



SHEET 3 OF 3 SHEETS



- PAVING NOTES**
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
 5. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
 6. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
 7. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OR RESIDENTS OR OTHER CONTRACTORS ON SITE.
 8. ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSES.
- REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).

- KEYED NOTES**
1. REMOVE EXISTING CURB AND GUTTER.
 2. REMOVE EXISTING PAVEMENT, AND ALL PARKING BUMPERS.
 3. REMOVE AND REPLACE EXISTING PAVEMENT. SEE DETAIL THIS SHEET FOR PAVEMENT SECTION.
 4. BUILD 6" WIDE VALLEY GUTTER PER COA STD. DWG. 2420.
 5. BUILD STD. 8" CURB AND GUTTER PER COA STD. DWG. 2415.
 6. BEGIN NEW CURB, MATCH TO EXISTING CURB.
 7. BEGIN NEW PAVEMENT, MATCH EXISTING.
 8. TRANSITION FROM STANDARD 8" CURB TO 6" CURB THROUGH CURB RETURN.
 9. 50' CROWN FLATTENING.
 10. LIMITS OF EXISTING PAVEMENT.
 11. BUILD 8" ASPHALT CURB PER COA STD. DWG. 2415.
 12. BUILD TEMPORARY PAVEMENT. SEE DETAIL THIS SHEET.

POINT	STA.	OFF	DESCRIPTION	TC	FL
1	10+63.44	20.00' LT	PT#	56.21	55.67
2	10+71.23	20.00' LT	POT	56.27	55.60
3	12+59.00	20.00' LT	PC	55.34	54.67
4	12+84.00	45.00' LT	PT	55.53	55.03
5	13+20.00	40.00' LT	PC	55.46	54.96
6	13+35.00	20.64' LT	PT	54.96	54.29
7	13+37.64	20.14' LT	PCC	54.95	54.28
8	13+53.04	27.69' LT	PRC	---	54.04
9	13+53.04	27.69' RT	PRC	---	54.04
10	13+35.00	20.00' RT	PT	54.96	54.29
11	10+71.23	20.00' RT	PT	55.68	55.01
12	10+59.33	20.94' RT	PC*	55.42	54.82

* Tie to existing

CURVE	R	L	T
(A)	DELETED		
(B)	25.00	90°00'00"	39.27' 25.00'
(C)	20.00	83°13'23"	29.05' 17.76'
(D)	25.00	39°16'08"	17.13' 8.92'
(E)	40.00	27°22'21"	190.15' ---
(F)	25.00	46°11'13"	20.15' 10.66'
(G)	75.00	9°05'35"	11.90' 5.96'

TEMPORARY PAVEMENT SECTION
NO SCALE

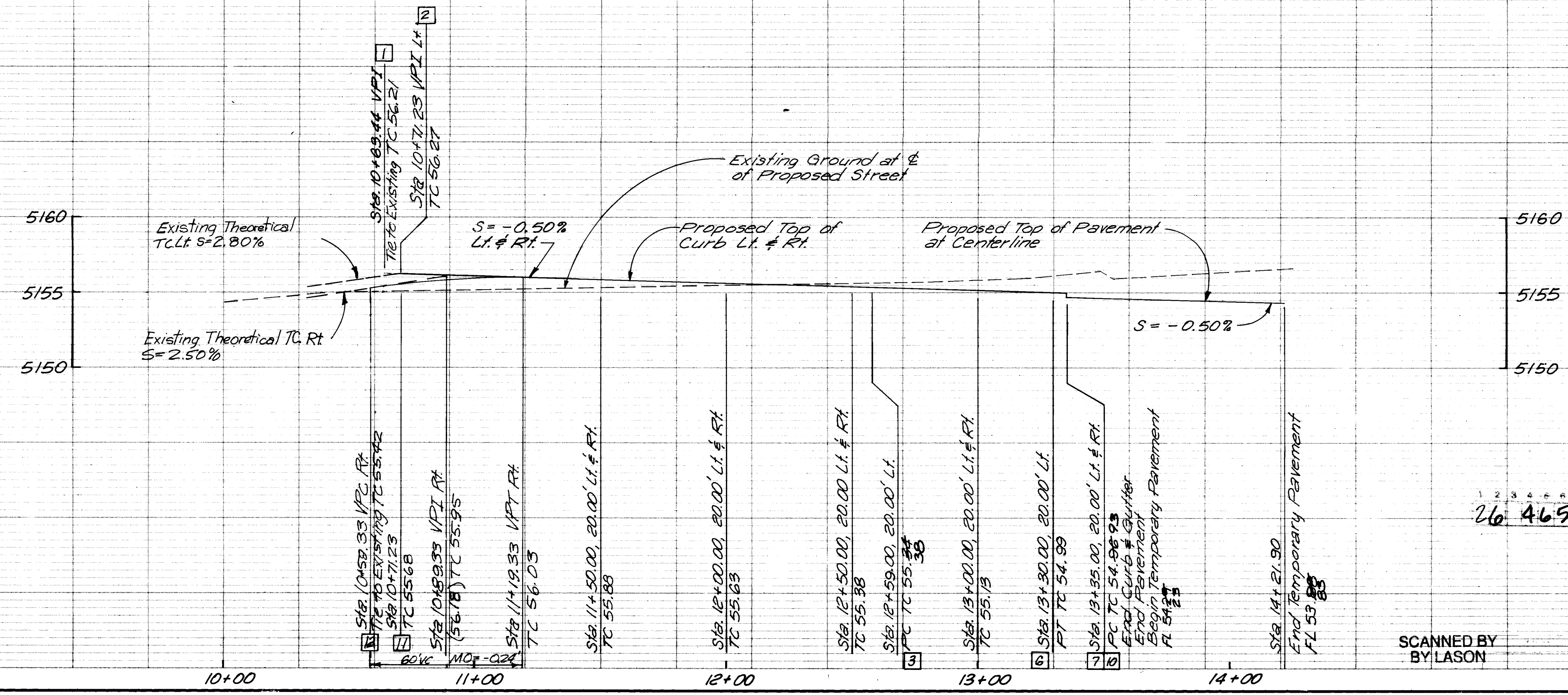
PAVEMENT SECTION
NO SCALE

SURVEYOR'S CERTIFICATION

I, Franklin E. Wilson, a registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that the as-built information shown hereon is from an actual field survey performed on November 18, 1993.

Franklin E. Wilson 11/18/93
FRANKLIN E. WILSON, N.M.L.S. NO. 6446 DATE

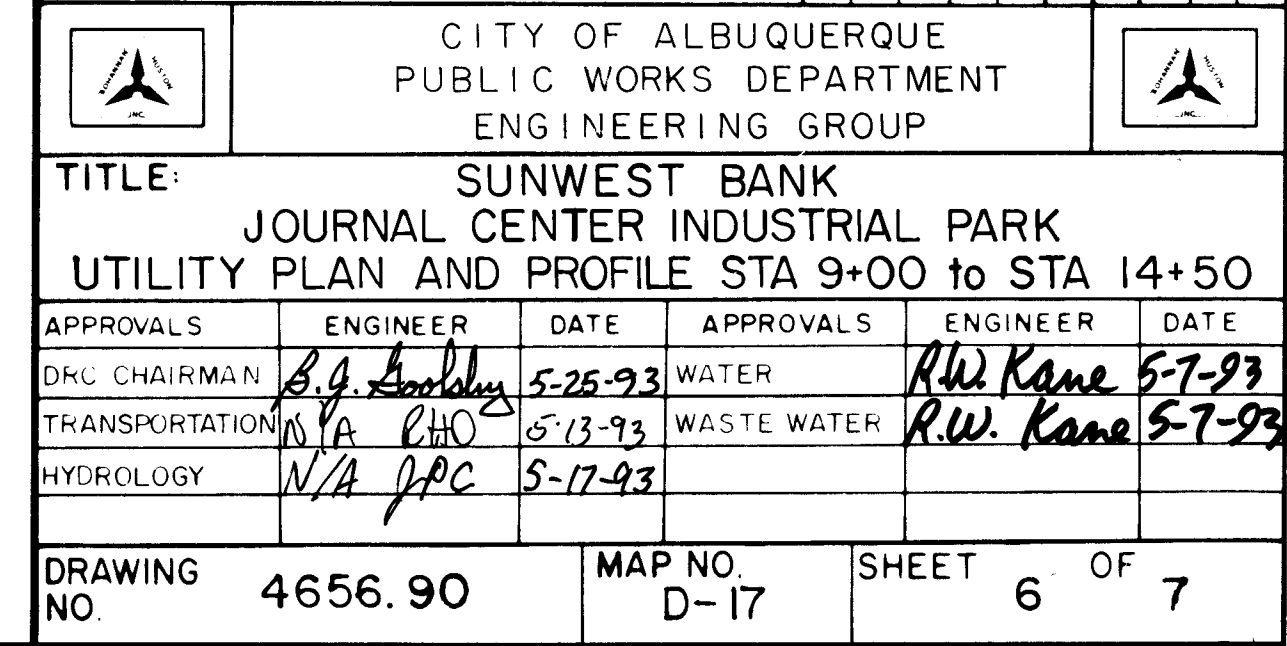
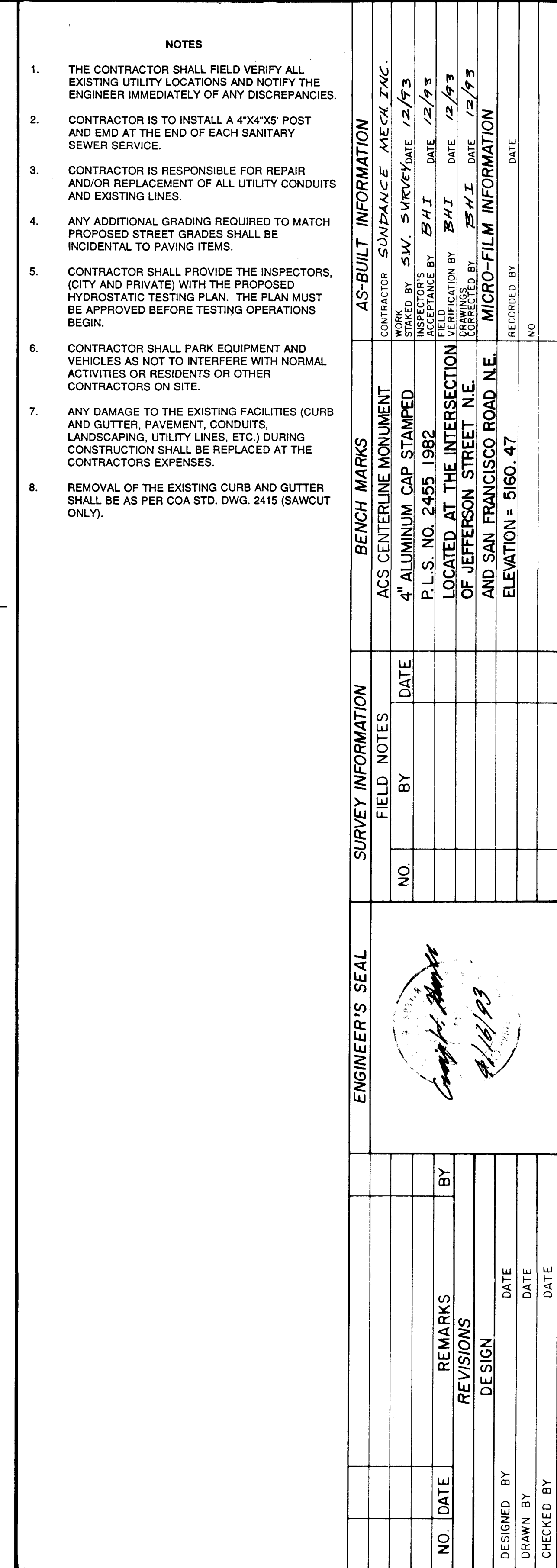
SOUTHWEST SURVEYING CO., INC.
333 Lomas Blvd., N.E.
Albuquerque, New Mexico 87102
(505) 247-4444

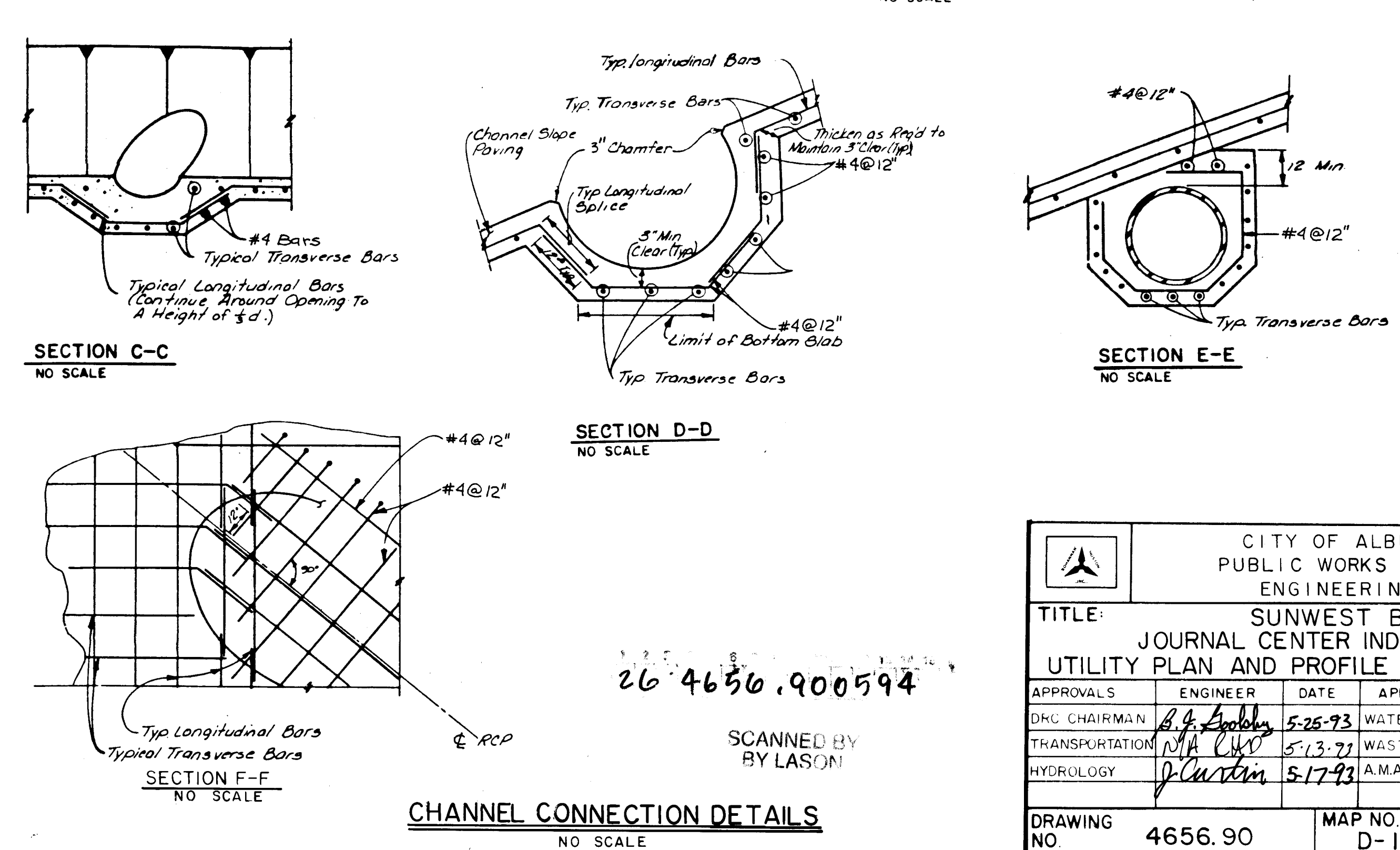
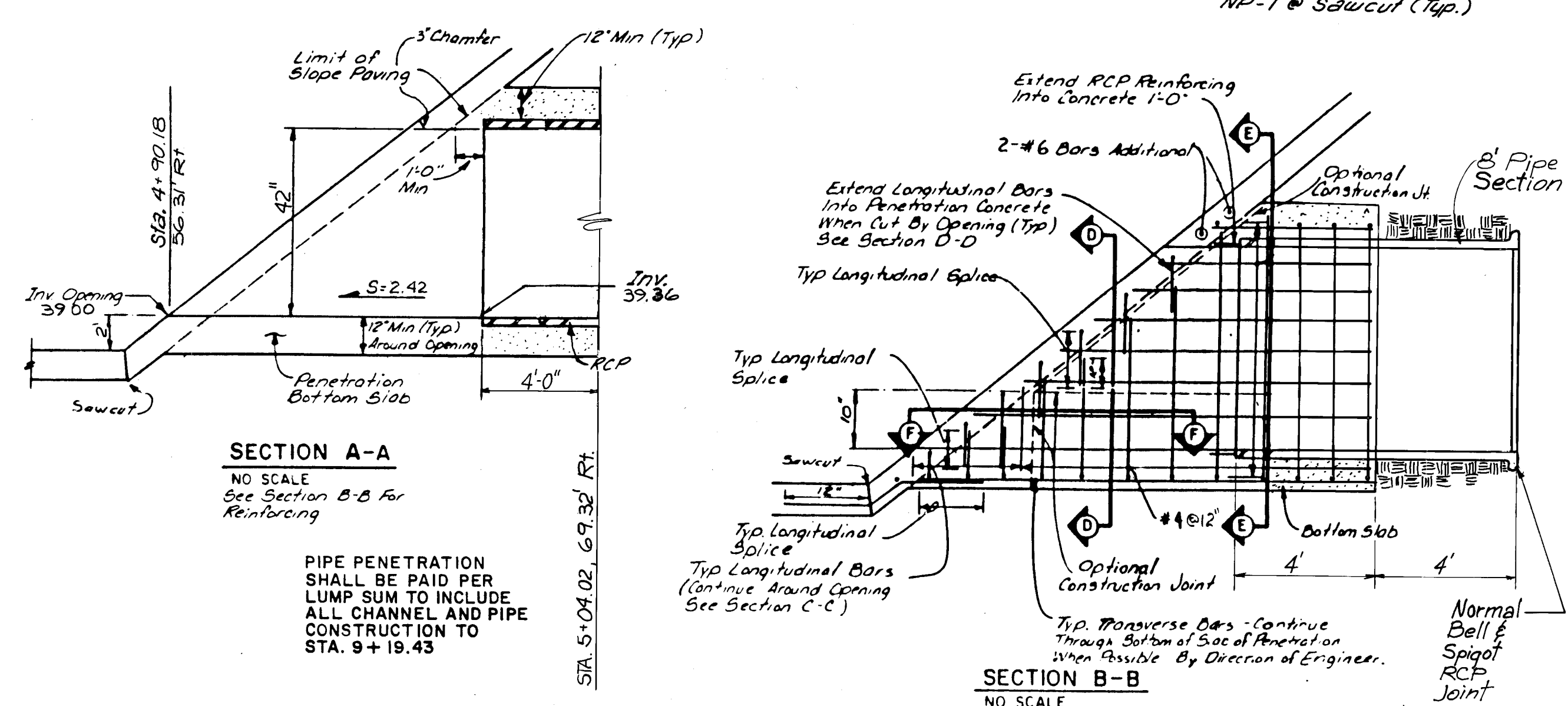
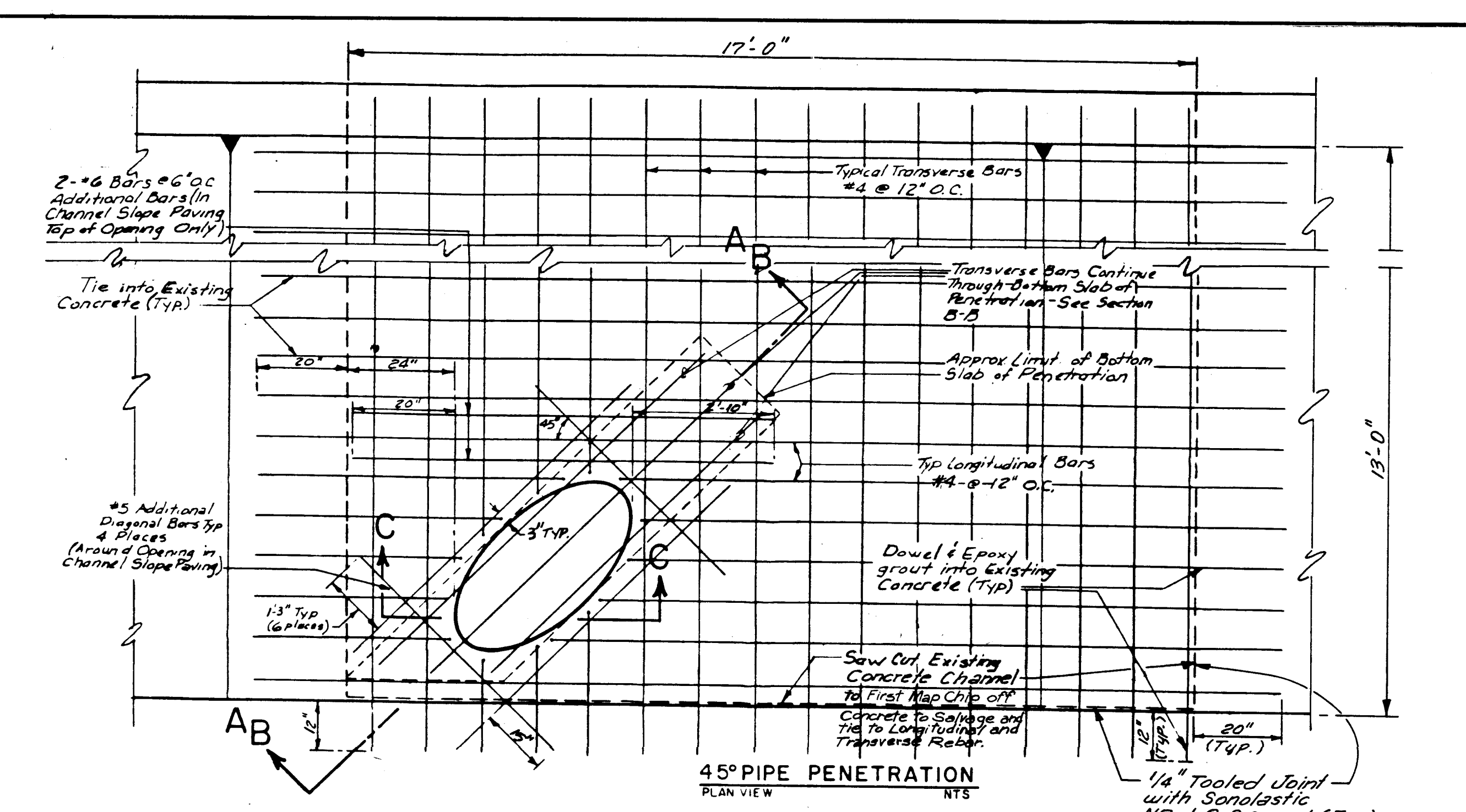
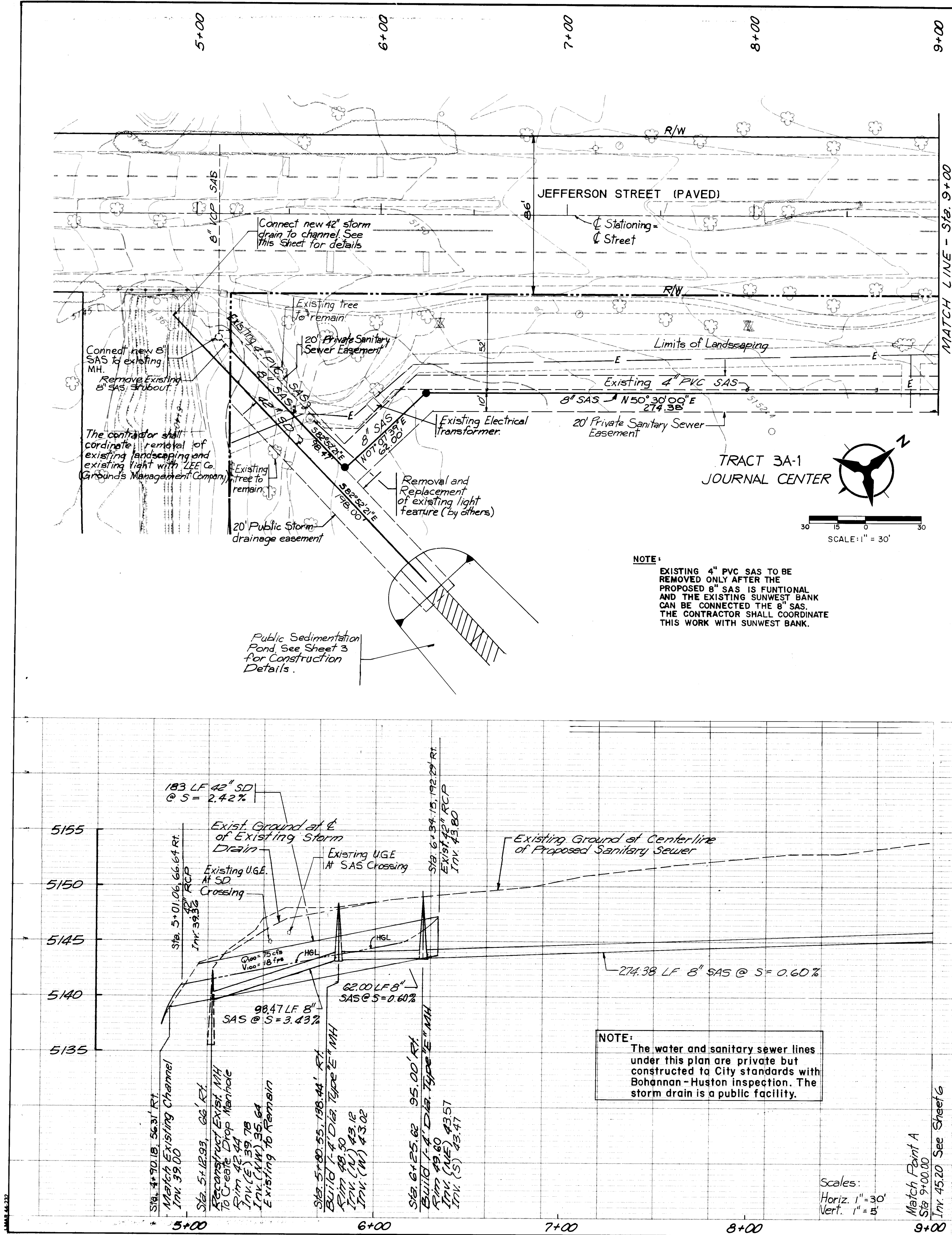


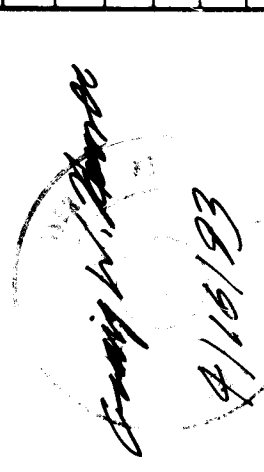
SCANNED BY
BY LASON

Scales:
Horiz. 1" = 30'
Vert. 1" = 5'

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SUNWEST BANK JOURNAL CENTER INDUSTRIAL PARK PRIVATE PAVING PLAN AND PROFILE					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DWG CHAIRMAN	<i>R. J. [Signature]</i>	5-25-93	WATER	N/A	5-27-93
TRANSPORTATION	<i>R. J. [Signature]</i>	5-13-93	WASTE WATER	N/A	5-27-93
HYDROLOGY	N/A	5-17-93			
DRAWING NO.	4656.90	MAP NO.	D-17	SHEET	4 OF 7





ENGINEER'S SEAL										SURVEY INFORMATION				BENCH MARKS				AS-BUILT INFORMATION					
										NO.		FIELD NOTES		DATE		AGS CENTERLINE MONUMENT		WORK		CONTRACTOR		SUNDANCE MECH. INC.	
												BY				4" ALUMINUM CAP STAMPED		STAKED BY		S.W. SURVEY		DATE	
										NO.						P.L.S. NO. 2455 1982		INSPECTED BY		DATE		12/93	
																LOCATED AT THE INTERSECTION		FIELD		DATE		12/93	
																OF JEFFERSON STREET N.E.		VERIFICATION BY		DATE		12/93	
																AND SAN FRANCISCO ROAD N.E.		CORRECTED BY		DATE		12/93	
																ELEVATION = 5160.47		MICRO-FILM INFORMATION					
																		RECORDED BY		DATE			
																		NO					

GRADING NOTES

- EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE TYPICAL SECTIONS SHOWN ON THIS PLAN.
- CONTRACTOR SHALL OBTAIN AND ABIDE BY A TOPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST.
- ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION", AS PROVIDED BY THE ARCHITECT OR OWNER. AS OTHER WORK SHALL, UNLESS OTHERWISE SPECIFIED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.

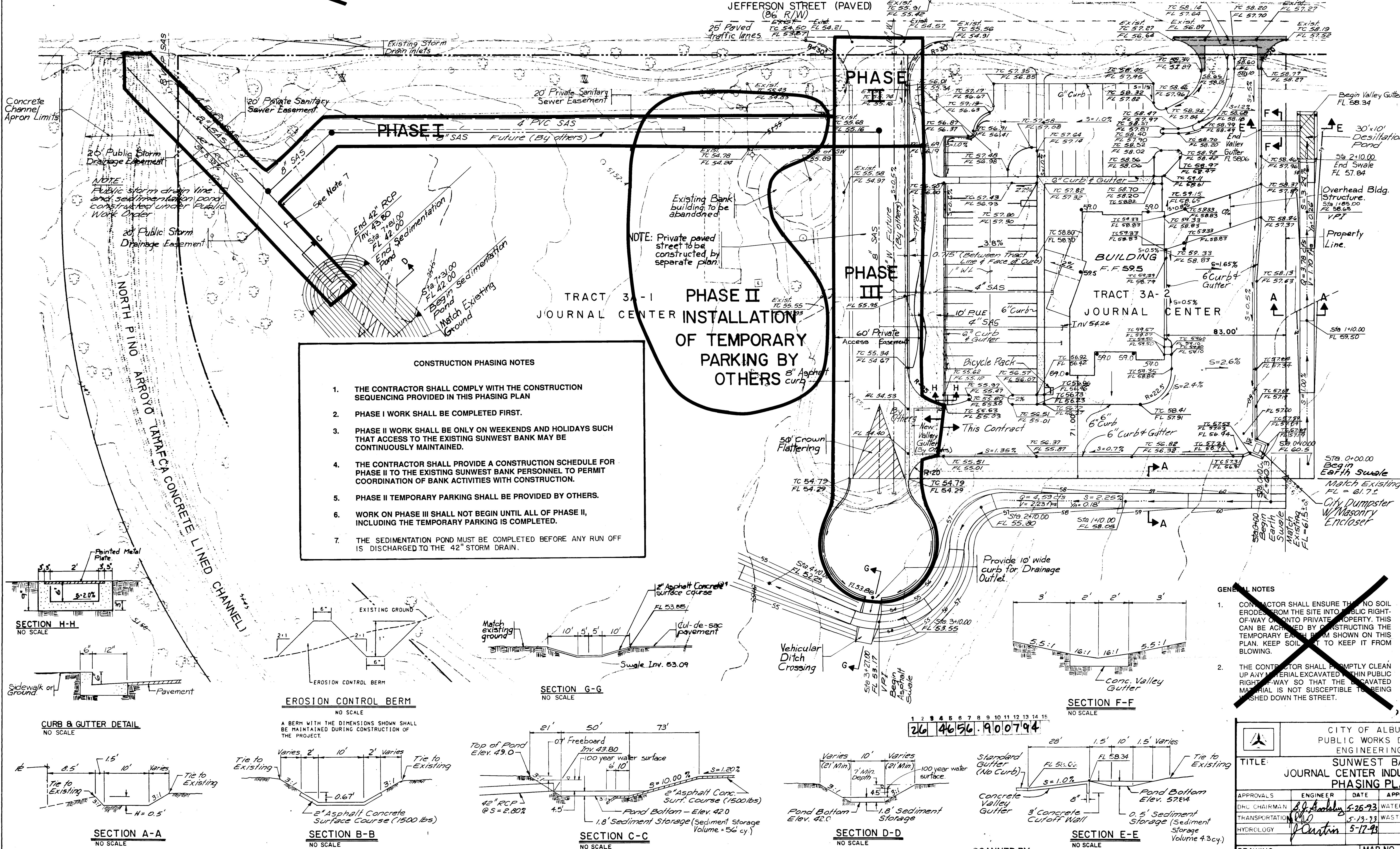
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT THE LOCATING SERVICE (765-1264) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO GRADING, ALL VEGETATION, DEBRIS AND NEAR SURFACE ORGANICALLY CONTAMINATED SOIL SHALL BE STRIPPED FROM ALL AREAS TO BE GRADED. VEGETATION AND DEBRIS SHALL BE DISPOSED OF OFF-SITE. TOPSOIL STRIPPINGS SHALL BE DISPOSED OF OFF-SITE OR STOCKPILED FOR USE IN PLANTERS AND NON-STRUCTURAL FILLS.
- EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL, UNLESS SHOWN OTHERWISE.
- A 6" CURB AND GUTTER SHALL BE USED THROUGHOUT THE SITE. SEE DETAIL ON PROJECT SITE PLAN DRAWING.

UTILITY NOTES

- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE INSTALLATION OF ALL WORK RELATED TO MECHANICAL UTILITIES, AS SHOWN ON THIS PLAN INCLUDING: TRENCHING, BACKFILL, SUPPORTS, CLEANOUT PADS, SERVICE STOPS AND BOXES, SERVICE LINES; TESTING, CLEANING AND STEAMING. ANY WORK NOT ACCEPTED BY THE ARCHITECT OR ENGINEER DUE TO IMPROPER WORKMANSHIP OR LACK OF PROPER COORDINATION SHALL BE REMOVED AND CORRECTLY INSTALLED AT THE CONTRACTOR'S EXPENSE, AS DIRECTED.
- MINIMUM DEPTHS BELOW GRADE (COVER): WATER - 36", SEWER - 48" (EXCEPT AT BUILDING CONNECTION).
- ALL WORK DETAILED ON THESE PLANS SHALL BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE IAPMO UNIFORM PLUMBING CODE, LATEST EDITION.
- UTILITY LINES SHALL BE INSTALLED PRIOR TO PAVEMENT AND/OR SIDE WALK, AS APPLICABLE.
- FITTINGS SPECIFIED ARE PER CERTAIN TEE OR AN APPROVED EQUIVALENT.
- DEEP GRADING OF SITE (± 0.5') TO BE COMPLETED PRIOR TO INSTALLATION OF UTILITY LINES.
- CONTRACTOR WILL BE RESPONSIBLE FOR CONNECTING TO BUILDING DRAIN LINES AND ALL NECESSARY FITTINGS.

SCALE: 1" = 30'

Remove and Replace Pavement as Required to Construct New Valley Gutter.



CONSTRUCTION PHASING NOTES

- THE CONTRACTOR SHALL COMPLY WITH THE CONSTRUCTION SEQUENCING PROVIDED IN THIS PHASING PLAN.
- PHASE I WORK SHALL BE COMPLETED FIRST.
- PHASE II WORK SHALL BE ONLY ON WEEKENDS AND HOLIDAYS SUCH THAT ACCESS TO THE EXISTING SUNWEST BANK MAY BE CONTINUOUSLY MAINTAINED.
- THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION SCHEDULE FOR PHASE II TO THE EXISTING SUNWEST BANK PERSONNEL TO PERMIT COORDINATION OF BANK ACTIVITIES WITH CONSTRUCTION.
- PHASE II TEMPORARY PARKING SHALL BE PROVIDED BY OTHERS.
- WORK ON PHASE III SHALL NOT BEGIN UNTIL ALL OF PHASE II, INCLUDING THE TEMPORARY PARKING IS COMPLETED.
- THE SEDIMENTATION POND MUST BE COMPLETED BEFORE ANY RUN OFF IS DISCHARGED TO THE 42" STORM DRAIN.

GENERAL NOTES

- CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR INTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING THE TEMPORARY EARTH BERM SHOWN ON THIS PLAN. KEEP SOIL FROM IT TO KEEP IT FROM BLOWING.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED FROM PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.

AS-BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	SUNWEST BANK	DATE	12/93	ACS CENTERLINE MONUMENT	4" ALUMINUM CAP STAMPED	P.L.S. NO. 2455 1982	DATE	NO.	BY	DATE	NO.	BY	DATE	NO.	BY
INSPECTOR'S	DATE	12/93		FIELD	DATE	12/93									
VERIFICATION BY	DATE	12/93		LOCATED AT THE INTERSECTION	OF JEFFERSON STREET N.E.	AND SAN FRANCISCO ROAD N.E.									
DATE	12/93														
RECORDED BY	DATE														
NO.															
MICRO-FILM INFORMATION				ELEVATION = \$160.47											

ТАҒОҶА

1. The improvements, as shown on these plans, shall be constructed in accordance with designated sections of the City of Albuquerque Standard Specifications for Public Works Construction, 1986 Edition, to include revision update #4.

2. Standard drawings noted hereon refer to standard drawings of the City of Albuquerque unless otherwise noted.

3. A copy of the City Standard Specifications, the project specifications, and the project drawings shall be kept at the job site by the contractor at all times.

4. The contractor agrees that he shall assume the sole and complete responsibility for the job site conditions during the course of construction of this project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that the contractor shall defend, indemnify, and hold the engineer, and County harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting for liability arising from the sole negligence of the owner, engineer, or County.

5. The existence and location of any underground utility pipes or structures shown on these drawings have been obtained by a search of the available records. To the best of the Engineer's knowledge, there are no existing utilities except as shown on these drawings. The Engineer assumes no responsibility for the accuracy of the depicted location, the existence or non-existence of, or the depth of, The Contractor shall take due precautionary measures to protect utility lines shown, and all other lines not of record or not shown by verification of the location in the field prior to the instigation of the actual portion of work attributed to their location. The Contractor shall verify the location and existence of all utility concentration points prior to starting construction and report any discrepancies to the Engineer immediately before proceeding further.

6. No changes shall be made to these plans without the written approval of the owner and the Engineer. The Engineer shall not be responsible for construction methods or techniques or for the prosecution of the work as shown on these plans. The Engineer shall not be responsible for the acts or omissions of the Contractor, Subcontractors, or other persons performing any of the work or for the failure of any of them to carry out the work in accordance with the contract documents.

7. Quantities shown on these plans are estimated quantities and should be verified by the contractor prior to submitting bid proposals.

8. Prior to construction, the contractor shall:
 - A. Contact utility companies two (2) working days prior to any excavation, for the field location of existing utilities.
 - B. Identify, and locate all utilities within the construction area, and mark the utilities at all times during construction.
 - C. Excavate and verify the horizontal and vertical locations of all underground obstructions.
 - D. Verify all plan dimensions and existing conditions prior to starting

Should any conflicts or discrepancies exist, the contractor shall notify the engineer to resolve the conflict without causing undue delay.

9. All traffic detours and routing shall be in accordance with the current edition of the Uniform Traffic Control Handbook.

10. All permits from Bernalillo County shall be obtained prior to the commencement of any work.

WATER

1. New water mains shall have 3 feet minimum cover and as in detail.
2. New water mains shall be AWWA C 900 6 inch PVC pipe.
3. All bands and tees in water line will be reinforced with restraining joints.
4. Not all service lines to be installed at this time.
5. Prior to connecting system, all lines shall be disinfected in accordance with AWWA standard C851-86.
6. All water lines shall be hydrostatically pressure tested in accordance with City of Albuquerque Standard Specifications for Public Works.
7. All water lines shall maintain a 10 to 15 feet to S.A.S. lines, except where shown. Encroachment of S.A.S. line or use of cast iron shall be tested is less.
8. Minimum compaction for trench backfill is 95% from ASTM D 1557 for full depth of trench.

ITEM	QUANTITY
6" C 900 PVC	630 LIN. FT.
4" PE-3406 PVC	410 LIN. FT.
6" DATE VALVE	1 EA.
WATER TO COMPLY WITH SECTION 801.3.3 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION	
6" 45° BENDS	2 EA.
6x6x6 TEE	1 EA.
6x6x6 REDUCER	1 EA.
6" FIRE HYDRANT ASSEMBLY TYPE - MUELLER A-423 CENTURION, OR EQUAL	1 EA.
4" END CAP	100 LIN. FT.
DETECTABLE UTILITY MARKER TAPE MANUFACTURED BY THOR OR EQUAL	1040 LIN. FT.
3000 PS CONCRETE	4 CU. YD.
1" SERVICE LINE PE-3406, ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE	100 LIN. FT.

LOCATION MAP

A PORTION OF SEC. 15 AND 17, T 11 N, R 3 E. SEE BERNALILLO COUNTY
ZONE ATLAS SHEETS C-14-Z AND C-15-Z

A.P.	ANGLE POINT	N. NLY	NORTH-NORTHERLY
A.V.	AVENUE	O.C.	ON CENTER
B.	BEGIN CURB	P.	POINT
B.C.	BEGIN CURB RETURN	P.C.	POINT OF CURVE
B.K.	BOOK	P.C.C.	POINT OF COMPOUND CURVE
B.M.	BENCH MARK	P.G.	PAGE
B.V.C.	BENCH MARK	P.I.	POINT OF INTERSECTION (VERTICAL CURVE)
C. & G.	CURB AND GUTTER	P.L.	PLACE
C.F.	CURB FACE	P.R.C.	POINT OF REVERSE CURVE
C.L.	CENTER LINE	P.V.C.	POINT OF REVERSE VERTICAL CURVE
C.L.	CLEANOUT	P.V.	POLYVINYL CHLORIDE PIPE
C.O.	CONCRETE	P.W.T.	PAVEMENT
Ct.	COURT	R. RAD.	RADIUS
E.	DELTA	RD.	ROAD
E. ELY	EAST-EASTERLY	REF.	REFERENCE
E.C.	END CURB	R/W	RIGHT-OF-WAY
E.C.R.	END CURB RETURN	S.	SLOPE
E.L.	ELEVATION	S.A.S.	SEWER
E.L. Elev.	ELEVATION	S.E.L.	SOUTH-SOUTHERLY
E.D.	EDGE OF PAVEMENT	S.F.	SQUARE FEET
E.E.	EDGE OF PAVEMENT	STA.	STATION
E.F.	EXISTING	S.V.	SQUARE YARDS
E.L. Exht.	EXISTING	T	TANGENT
F.B.	FLOWLINE	T.B.C.	TOP BACK OF CURB
G.L.	GRADE BREAK	T.P.	TOP OF PAVEMENT
H.	HORIZONTAL	T.P.	TOP OF WALL
Int.	INTERSECTION	VERT.	VERTICAL
Int. Horiz.	INVERT ELEVATION	V.C.	VERTICAL POINT OF CURVATURE
L.	LENGTH	V.P.T.	VERTICAL POINT OF INTERSECTION
L.F.	LINEAL FEET	V.P.T.	VERTICAL POINT OF TANGENCY
L.H.P.	HIGH POINT	W.	WEST
L.T.	LINEAL FEET	W.L.	WATER LINE
M.H.	MANHOLE		
M.L.	MATCH LINE		

	LOT LINE
	RIGHT OF WAY
	CENTER LINE
	CURB/GUTTER
	NEW GRADE, NEW WATER/SEWER LINES
	EXISTING GRADE, EXISTING WATER/SEWER LINES
	GATE VALVE
	AIR RELEASE VALVE
	FIRE HYDRANT

SHEET 1	COVER SHEET
SHEET 2	PLAN AND PROFILE OF WATER LINE EXTENSION TO LANDS OF M. B. HOPKINS
SHEET 3	DETAIL SHEET

			4	5	6	7	8	9	10				
26		4	6	6	6	.	9	0	0	1	9	4	

6-28-93

APPROVAL OF AS BUILT DRAWING
CHIEF CONSTRUCTION ENGINEER
James B. Ayler
1-6-94

REV	SHEETS	CITY ENGR	DATE	USER DEPT.	DATE	USER DEPT.	DATE
APPROVAL OF REVISIONS							

SCANNED BY
BY LASON

BERNALILLO COUNTY APPROVAL

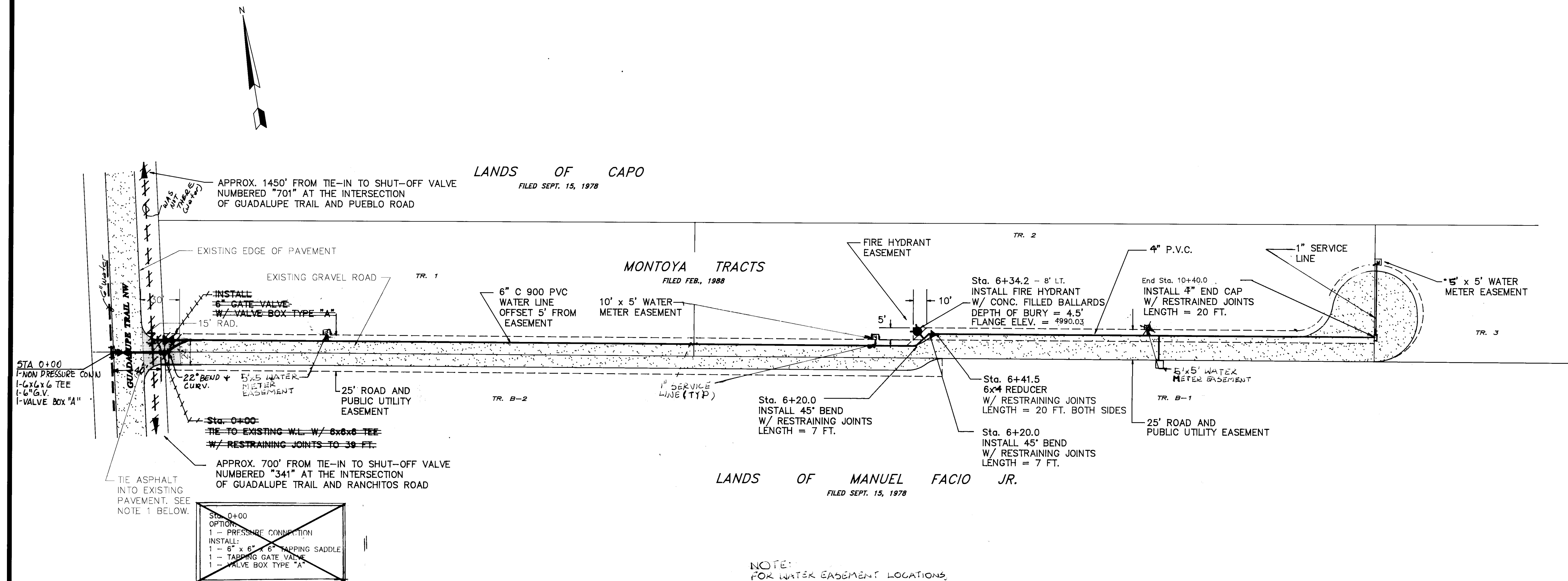
TOM BLAINE, P.E.
2425 MARGARET DRIVE
BOSQUE FARMS, NEW MEXICO 87068
(505) 869-6584

APPROVED FOR
CONSTRUCTION

PROJECT: MARY BETH HOPKINS
TR. 3 LOS RANCHOS DE ALBUQUERQUE

DRAWING NO. CITY PROJECT 44666.80

DESIGNED BY: T BLAINE	CAD FILE:
DRAWN BY: B STEELE	HOPSCVR
CHECKED BY: T BLAINE	
DATE: 03/10/93 PROJECT NO: -	SHEET No:
SCALE: 1/8" = 1'-0"	1



NOTE 1:
INSTALL:
1 1/2" ASPHALT OVER 6" BASE COURSE
COMPACTED TO 95% ASTM D-1557.
SUBGRADE SHALL BE COMPACTED TO 95%
ASTM D-1557. ASPHALT SHALL MEET OR EXCEED
CITY OF ALBUQUERQUE STANDARDS

NOTE:
FOR WATER EASEMENT LOCATIONS
SEE PLAT

SYMBOLS LEGEND

- LOT LINE
- RIGHT OF WAY
- CENTER LINE
- EXISTING EASEMENT
- NEW GRADE, NEW WATER/SEWER LINES
- EXISTING GRADE, EXISTING WATER/SEWER LINES
- GATE VALVE
- FIRE HYDRANT

QUANTITIES

ITEM	QUANTITY
6" C 900 PVC	830 LIN. FT.
4" PE-3406 PVC	410 LIN. FT.
6" GATE VALVE VALVE TO COMPLY WITH SECTION 801.3.3 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION	1 EA.
6" 45° BENDS	2 EA.
6x6x6 TEE	1 EA.
6x4 REDUCER	1 EA.
6" FIRE HYDRANT ASSEMBLY TYPE - MUELLER A-423 CENTURION, OR EQUAL	1 EA.
4" END CAP	1 EA.
DETECTABLE UTILITY MARKER TAPE MANUFACTURED BY THOR OR EQUAL	1040 LIN. FT.
3000 PSI CONCRETE	4 CU. YD.
1" SERVICE LINE PE-3406, ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE	100 LIN. FT.

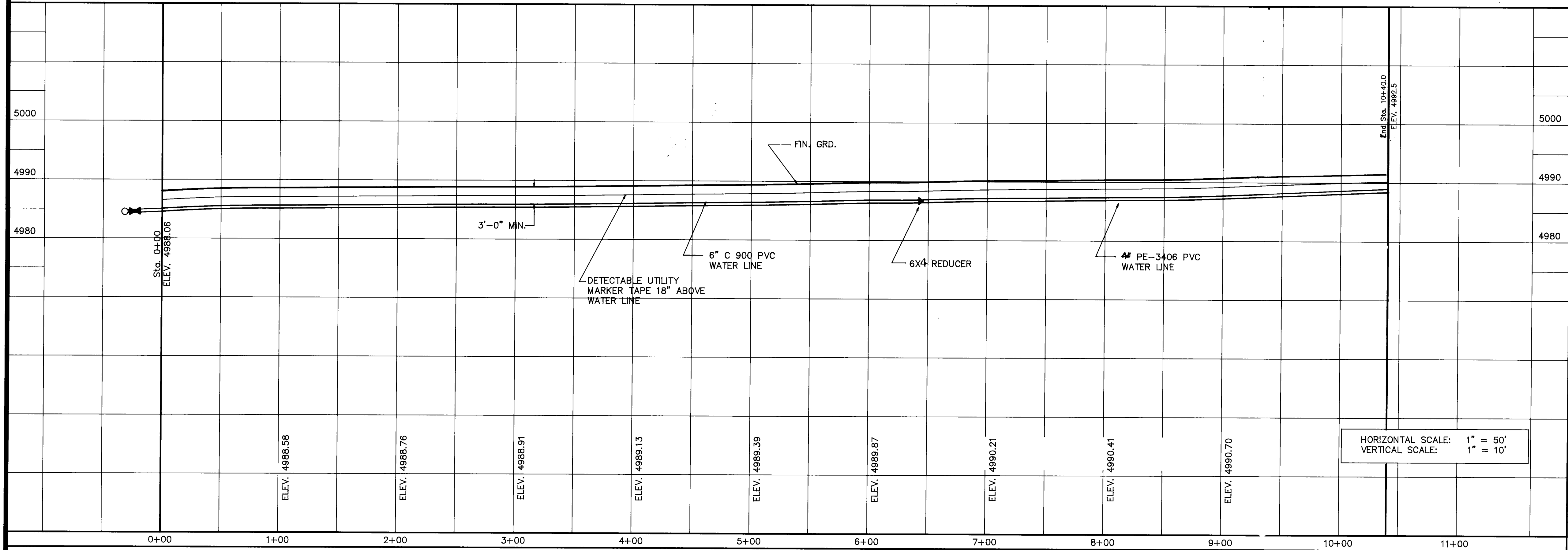
GENERAL NOTES

FOR INSTALLATION OF WATER LINE
COMPONENTS SEE THE CITY OF ALBUQUERQUE
STANDARD SPECIFICATIONS FOR PUBLIC WORKS
CONSTRUCTION:

TRENCH CROSS SECTION DWG. 2315
VALVE AND BOX INSTALLATION DWG. 2325
VALVE ANCHORAGE DWG. 2333
FIRE HYDRANT INSTALLATION DWG. 2340
PAVEMENT CUTS DWG. 2465

FOR TRAFFIC CONTROL DURING CONSTRUCTION
SEE SHEETS 3 AND 4.

26 4666 900294



HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 10'

TOM BLAINE, P.E. 2425 MARGARET DRIVE BOSQUE FARMS, NEW MEXICO 87088 (505) 869-6584				CAD FILE: HOPSPP1 PLOT SCALE: 1"=50'	
TITLE: MARY BETH HOPKINS TR. 3 LOS RANCHOS DE ALBUQUERQUE WATER LINE EXTENSION AND FIRE HYDRANT INSTALLATION					
APPROVAL	ENGINEER	DATE	APPROVAL	ENGINEER	DATE
D.R.C. Chair	<i>R.W. Kane</i>	5-14-93	Water	<i>R.W. Kane</i>	5-14-93
Trans. Div.	<i>N.A. R.H.D.</i>	5-05-93	Wastewater	<i>R.W. Kane</i>	5-14-93
Hydrology	<i>ES Montoya</i>	5/3/93			
DRAWING NO.	CITY PROJECT #4888.90	MAP NO.	14	SHEET	2

SCANNED BY
BY LASON

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. CONTRACTOR SHALL NOT BEGIN WORK BEFORE 8:30 A.M. OR END WORK AFTER 4:00 P.M. WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 24 HOURS PRIOR TO OCCUPANCY OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

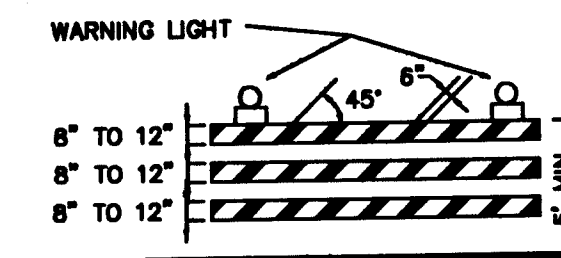
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

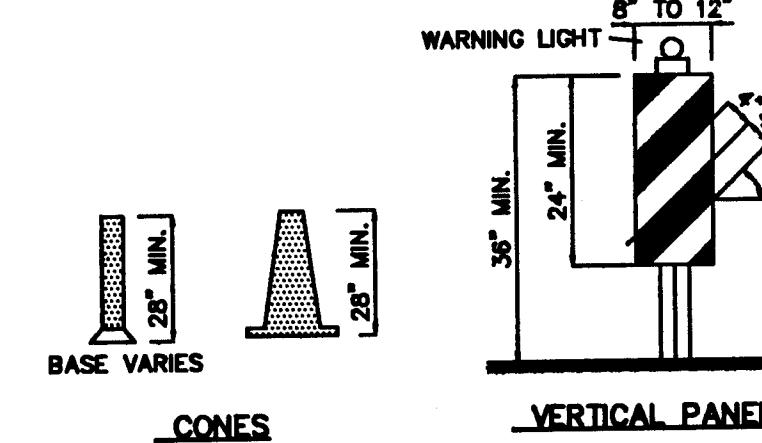
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

PROJECT CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES



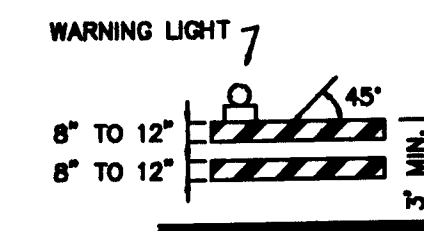
TYPE III BARRICADE



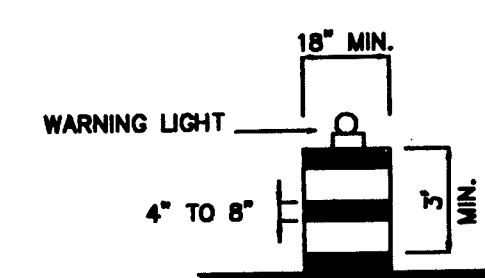
TYPE II BARRICADE



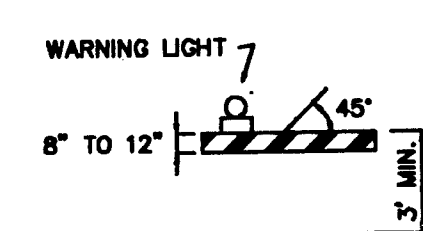
TYPE I BARRICADE



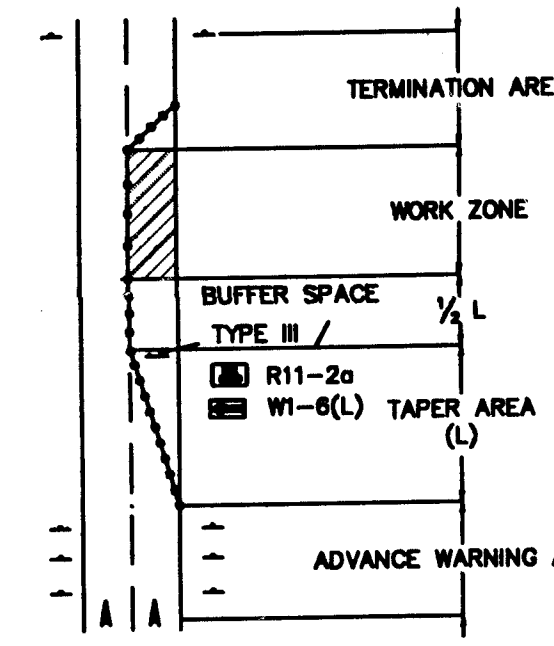
TYPE II BARRICADE



TYPE I BARRICADE



TYPE I BARRICADE



TRAFFIC CONTROL ELEMENTS

LEGEND

- WORK AREA
- BARRICADE - TYPE I, TYPE II, OR BARREL
- BARRICADE - TYPE III
- VERTICAL PANEL
- WARNING SIGN
- DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
- TAPER LENGTH - SEE CHART BELOW

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING FOR ADVANCE WARNING SIGN SERIES

SPEED MILES PER HOUR	MINIMUM DISTANCE IN FEET	
	BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

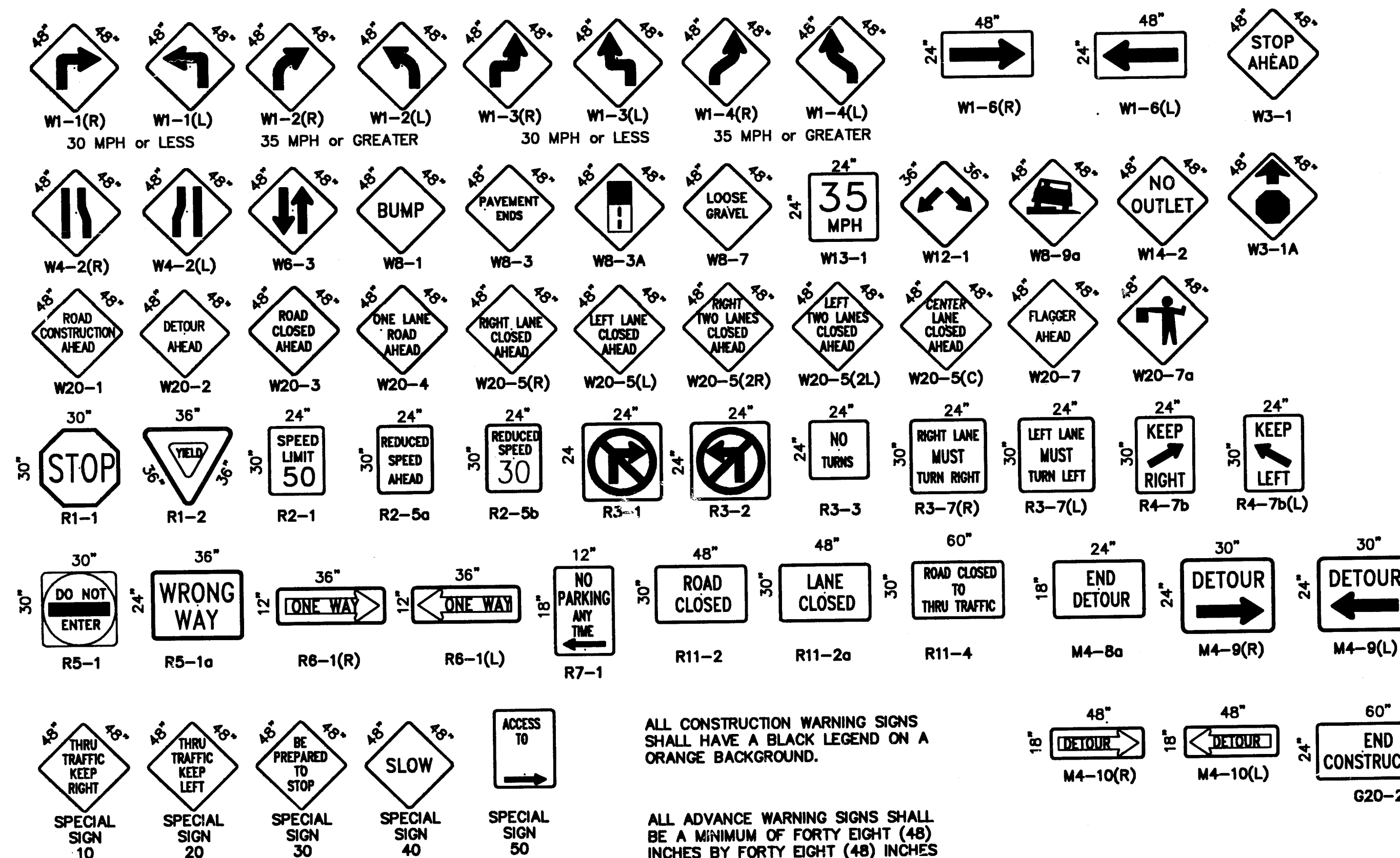
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	L =
40 MPH OR LESS	$L = \frac{WS^2}{80}$
45 MPH OR GREATER	$L = W \times S$

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF FORTY EIGHT (48) INCHES BY FORTY EIGHT (48) INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

SCANNED BY LASON

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B. J. Bradley	5-14-93	WATER	NA RUK	5-3-93
TRANSPORTATION	N/A	5-05-93	WASTE WATER	NA RUK	5-3-93
HYDROLOGY	N/A	5/7/93			
PROJECT NO.	#4666.90		MAP NO.	C14415	
			SHEET	OF 4	