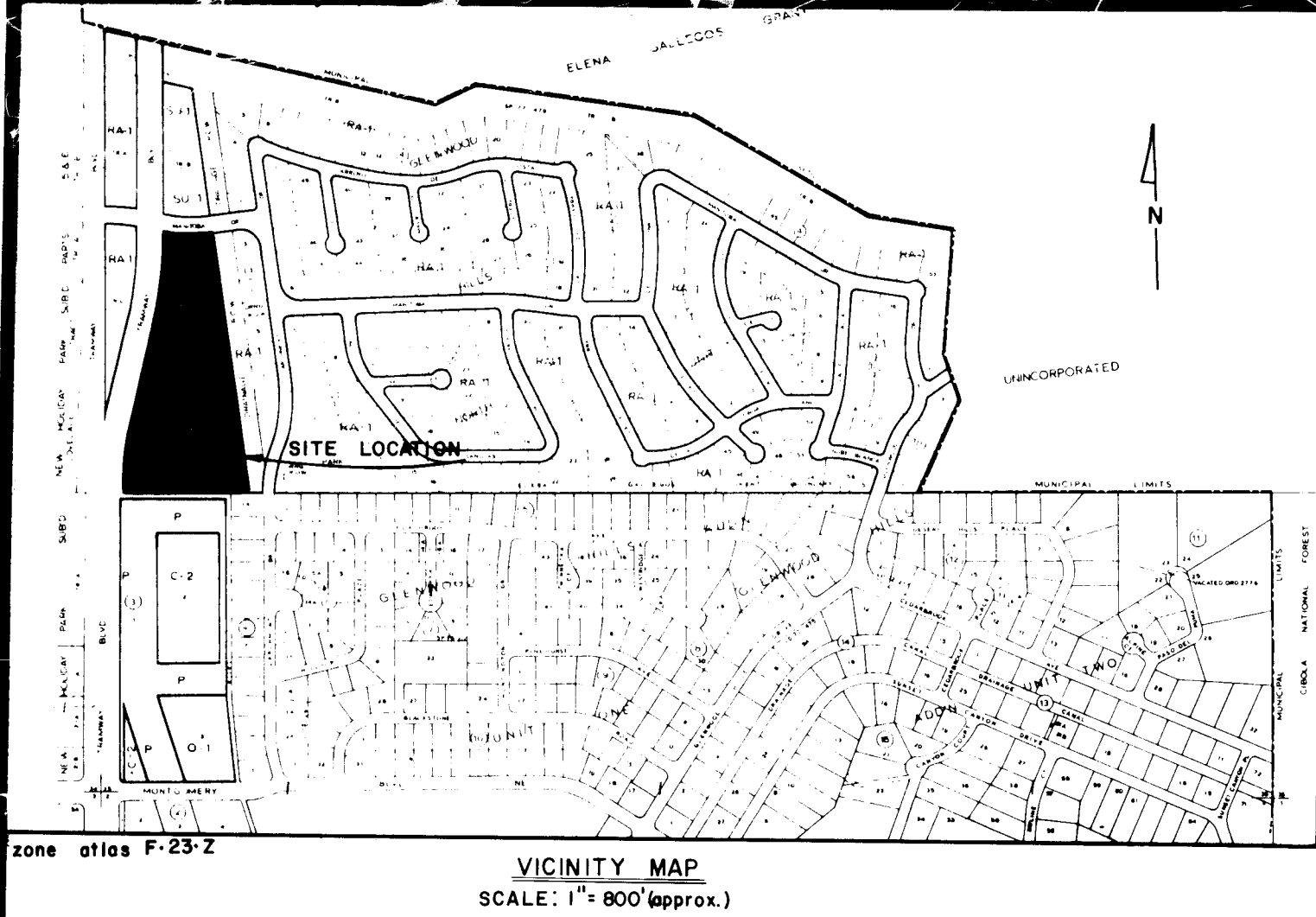




CONSTRUCTION PLANS
FOR
PAVING

TIERRA AMADA
TOWNHOUSES

ALBUQUERQUE, NEW MEXICO

GENERAL NOTES:

SANITARY SEWER SYSTEM:

1. All construction shall meet the City of Albuquerque's specifications and standards.
2. Slope for sanitary sewer invert is shown in percent of grade.
3. For centerline bearings of sewer, see subdivision plat, unless otherwise noted.
4. All manholes are Type "C", Albuquerque City Standard S-2, unless otherwise noted.
5. Sewer service laterals shall be located 10' up from low side of lot, unless otherwise shown.
6. Sewer service laterals shall be installed from main to property line at a minimum grade of 2%.

WATER DISTRIBUTION SYSTEM:

1. All construction shall meet the City of Albuquerque's specifications and standards.
2. 12" master planned watermain shall be A.C. pipe as approved by City of Albuquerque, Water Resources Division.
3. 6" watermain shall be A.C. Pipe as approved by City of Albuquerque Water Resources Division.
4. Waterline shall have a minimum cover of 3'-0". (Top of curb to top of pipe.)
5. Waterline shall be located 10'-0" from and parallel to centerline of easement R.O.W. unless otherwise noted.
6. All water valves shall be installed at the P.C. of curb returns unless otherwise noted.
7. All fire hydrants shall be located at the P.C. of R.O.W. return or on the side lot line projected at mid-block locations.
8. Concrete blocking required on all fire hydrants, tees, bends and other fittings which develop thrust.
9. The fire hydrants are to have a 3' x 3' x 6" concrete pad installed when the fire hydrant is not located within a sidewalk or concrete area.

STREET PAVING IMPROVEMENTS:

1. All construction shall meet the City of Albuquerque's specifications and standards.
2. All construction for streets, curb and gutter, concrete valley gutters, ect., shall be in accordance with City of Albuquerque standard details for paving. Drawing Nos. P-1 thru P-25.
3. All sidewalks shall be 4' wide and constructed adjacent to public right-of-way line. See Plan and Profile sheets for detailed location.
4. All curb returns are 25' radius unless otherwise noted.
5. All street stationing is based on **STREET CENTERLINE** stations.
6. All curb elevations are top of curb elevations unless otherwise noted.
7. Curb and gutter shall be 4" mountable curb and gutter unless otherwise noted.

ELECTRONIC MARKER DISCS

1. Contractor shall install electronic marker discs per Section 131 of City Standards.

NOTICE TO CONTRACTORS

1. New Mexico Standard Specifications for Public Works Construction - 1979 Edition will be referred to hereon as the "Standard Specification."
2. 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 "Contract Documents for City Wide Utilities and Cash Paving No. 30 and the Standard Specification."
3. All utilities and utility service lines shall be installed prior to paving.
4. Backfill compaction shall be according to specified street use.
5. Tack coat requirements shall be determined by City Engineer.
6. Sidewalks and wheelchair ramps within the curb returns shall be constructed wherever a new curb return is constructed.
7. All storm drainage facilities shall be completed prior to final acceptance.
8. Two working days prior to any excavation, contractor must contact Line Locating Service, 765-1234, for location of existing utilities.
9. 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 so that the conflict can be resolved with a minimum of amount of delay.

INDEX TO DRAWINGS

SHT. NO.	DESCRIPTION
1.	TITLE SHEET
2.	SUBDIVISION PLAT
3.	OVERLOT GRADING PLAN
<u>STREET PLAN AND PROFILE SHEETS</u>	
4.	CALLE DE CARINO
5.	CALLE BONITO & CALLE AMADO
<u>WATER AND SEWER PLAN AND PROFILE SHEETS</u>	
6.	OVERALL WATER AND SEWER PLAN
7.	LINE A-B
8.	LINE A-C-D
9.	LINE D-E
10.	24" STORM SEWER
11.	GRADING DETAIL SHEET

ACADEMY ENGINEERING INC.
5353 WYOMING BLVD. N.E.
SUITE 3
ALBUQUERQUE, NEW MEXICO
(505) 821-8008

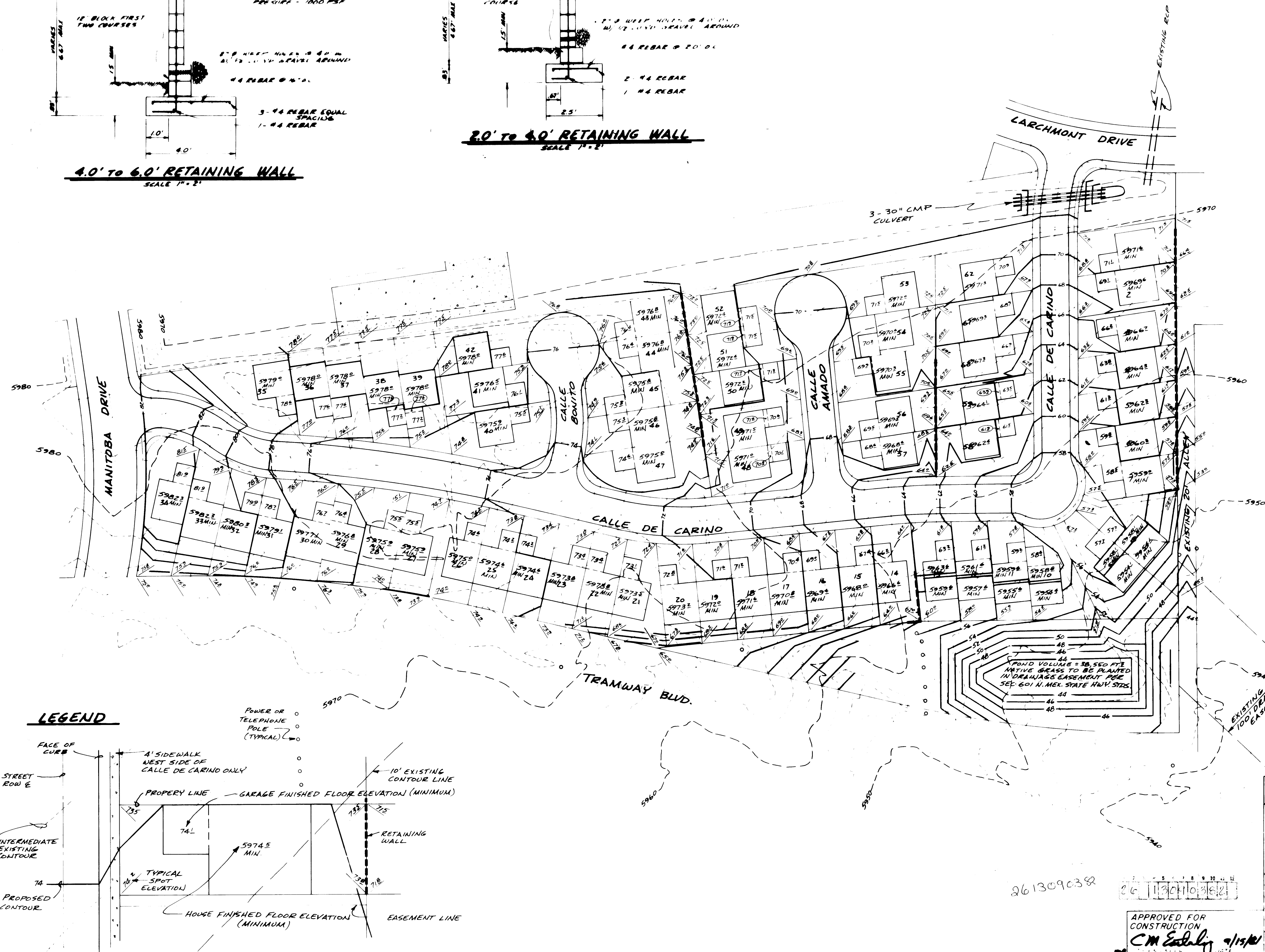
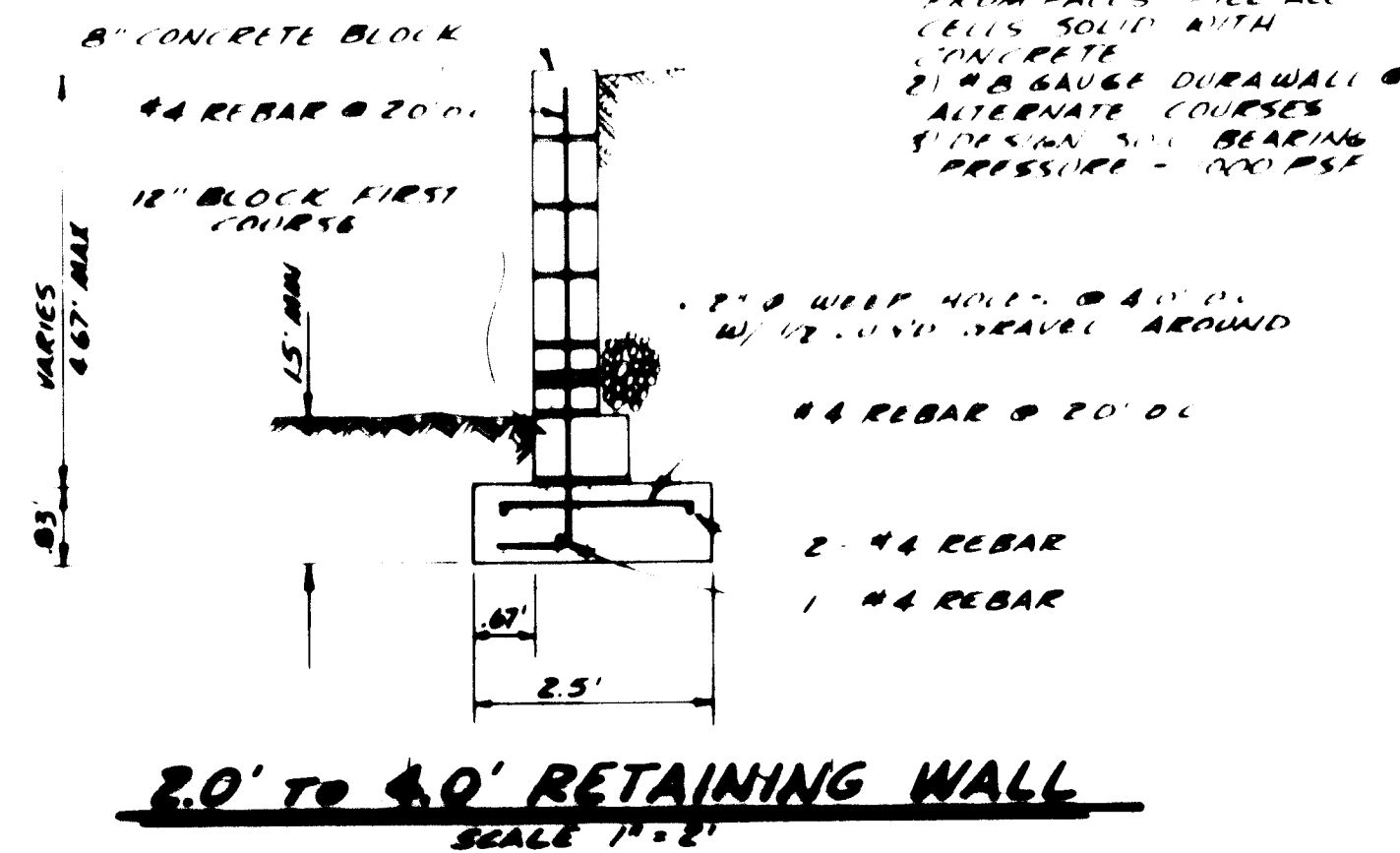
APPROVED FOR CONSTRUCTION

C.M. Eastley
FOR CITY ENGINEER

9/15/81
DATE

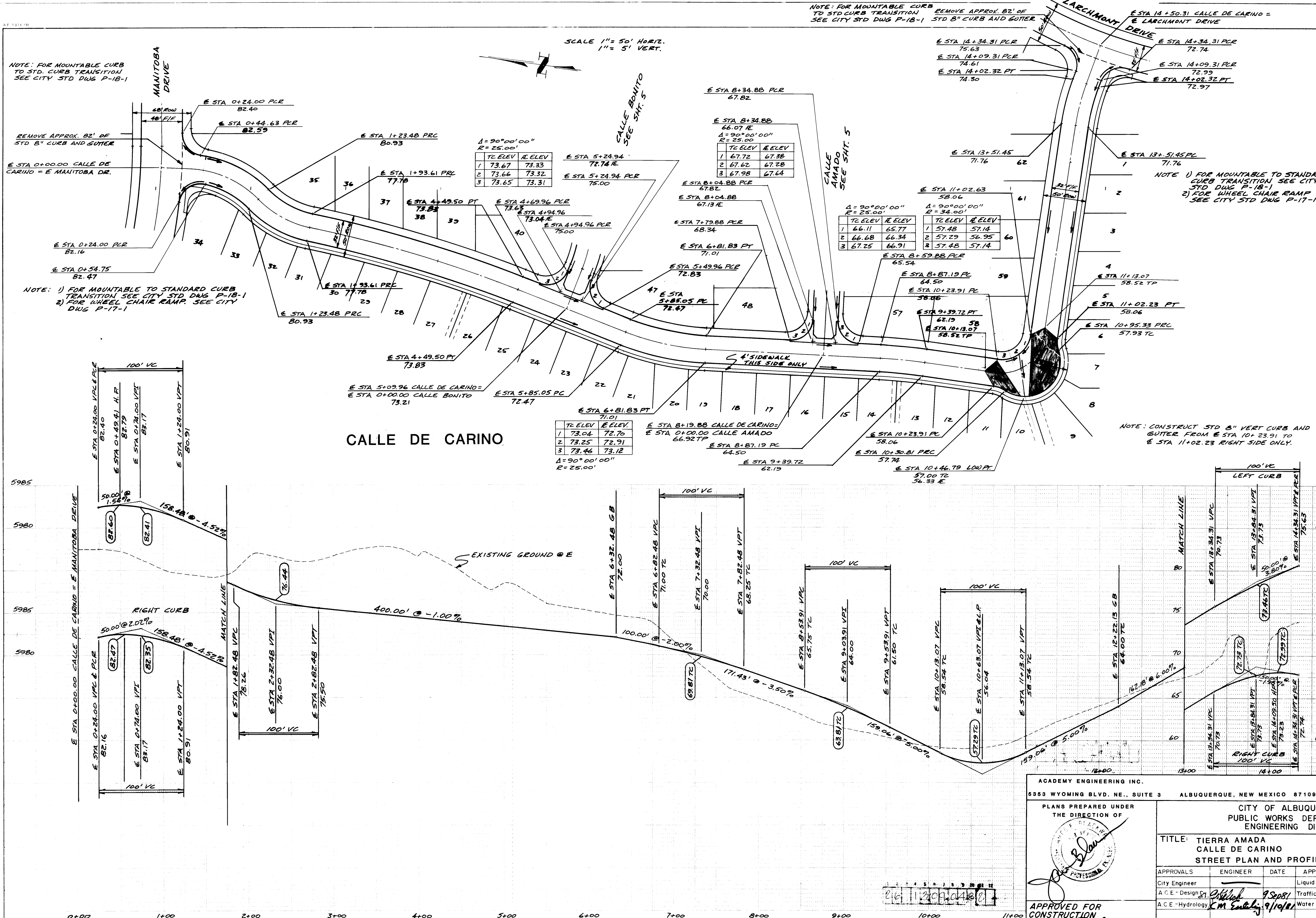
16 13090182

DWG. NO. 1309



REFERENCES		SURVEY INFORMATION		BENCH MARKS	AS BUILT INFORMATION
	MAP NO F-23	NO.	FIELD NOTES	A.C.S. BENCH MARK 6-F23 LOCATED AT THE INTERSECTION OF LARCHMONT DRIVE & CEDARBROOK AVE. NE IN THE NORTH-EAST QUADRANT OF THE INTERSECTION.	C.N.T.A. "N"
	EST NO	WO NO	BY DATE		DATE
NO	DATE	REMARKS	BY	A CONCRETE NAIL DRIVE FLUSH WITH THE TOP OF CURB AT NINE CORB RETURN ELEVATION = 5974.957	DATE
REVISIONS					
DESIGN					
DESIGNED BY JIM BLACKWELL		DATE JUNE, 1981			
DRAWN BY TED WITEK		DATE JUNE, 1981			
		RECORDED BY			
		NO			
		MICRO-FILM INFORMATION			
		DATE			

AF 15167B



NOTE: FOR MOUNTABLE CURB TO STD. CURB TRANSITION SEE CITY STD DWG P-18-1

REMOVE APPROX. 82' OF STD 8" CURB AND GUTTER

E STA 0+00.00 CALLE DE CARINO = E MANITOBA DR.

NOTE: 1) FOR MOUNTABLE TO STANDARD CURB TRANSITION SEE CITY STD DWG P-18-1
2) FOR WHEEL CHAIR RAMP SEE CITY DWG P-17-1

CALLE DE CARINO

SCALE 1" = 50' HORIZ.
1" = 5' VERT.

NOTE: FOR MOUNTABLE CURB TO STD CURB TRANSITION SEE CITY STD DWG P-18-1
REMOVE APPROX. 82' OF STD 8" CURB AND GUTTER

E STA 14+50.31 CALLE DE CARINO = E LARCHMONT DRIVE

NOTE: 1) FOR MOUNTABLE TO STANDARD CURB TRANSITION SEE CITY STD DWG P-18-1
2) FOR WHEEL CHAIR RAMP SEE CITY STD DWG P-17-1

NOTE: CONSTRUCT STD 8" VERT CURB AND GUTTER FROM E STA 10+23.91 TO E STA 11+02.23 RIGHT SIDE ONLY.

ACADEMY ENGINEERING INC.
5353 WYOMING BLVD. NE., SUITE 3 ALBUQUERQUE, NEW MEXICO 87109

PLANS PREPARED UNDER THE DIRECTION OF

APPROVED FOR CONSTRUCTION
CITY ENGINEER
DATE 9/17/81

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

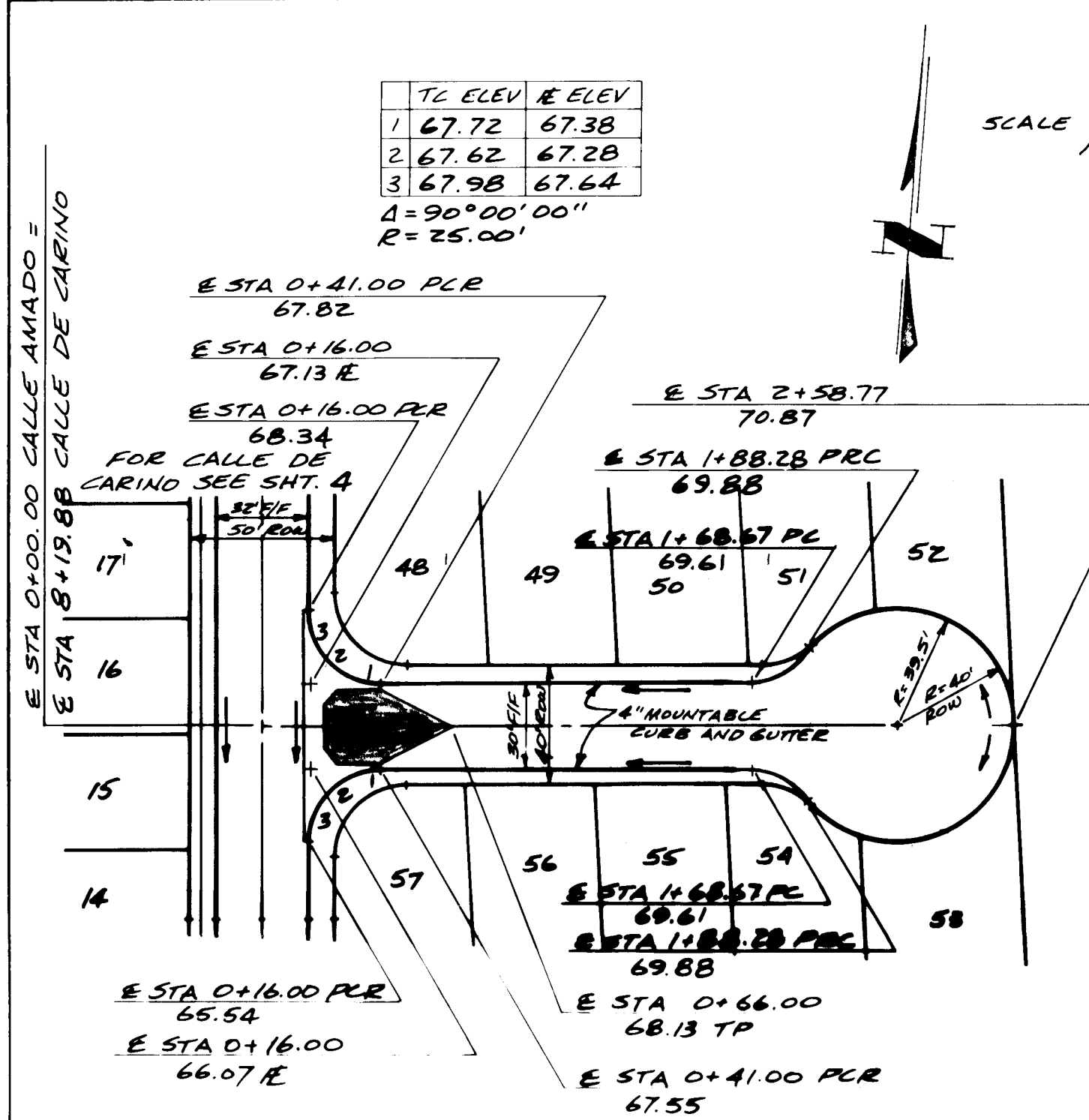
TITLE: TIERRA AMADA
CALLE DE CARINO
STREET PLAN AND PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	NA	
A.C.E. - Design			Traffic	NA	
A.C.E. - Hydrology			Water	NA	

DESIGNED BY J. BLACKWELL DATE JUNE, 1981
DRAWN BY T. WITEL DATE JUNE, 1981
CHECKED BY J. BLACKWELL DATE JUNE, 1981

DRAWING NO. 1309

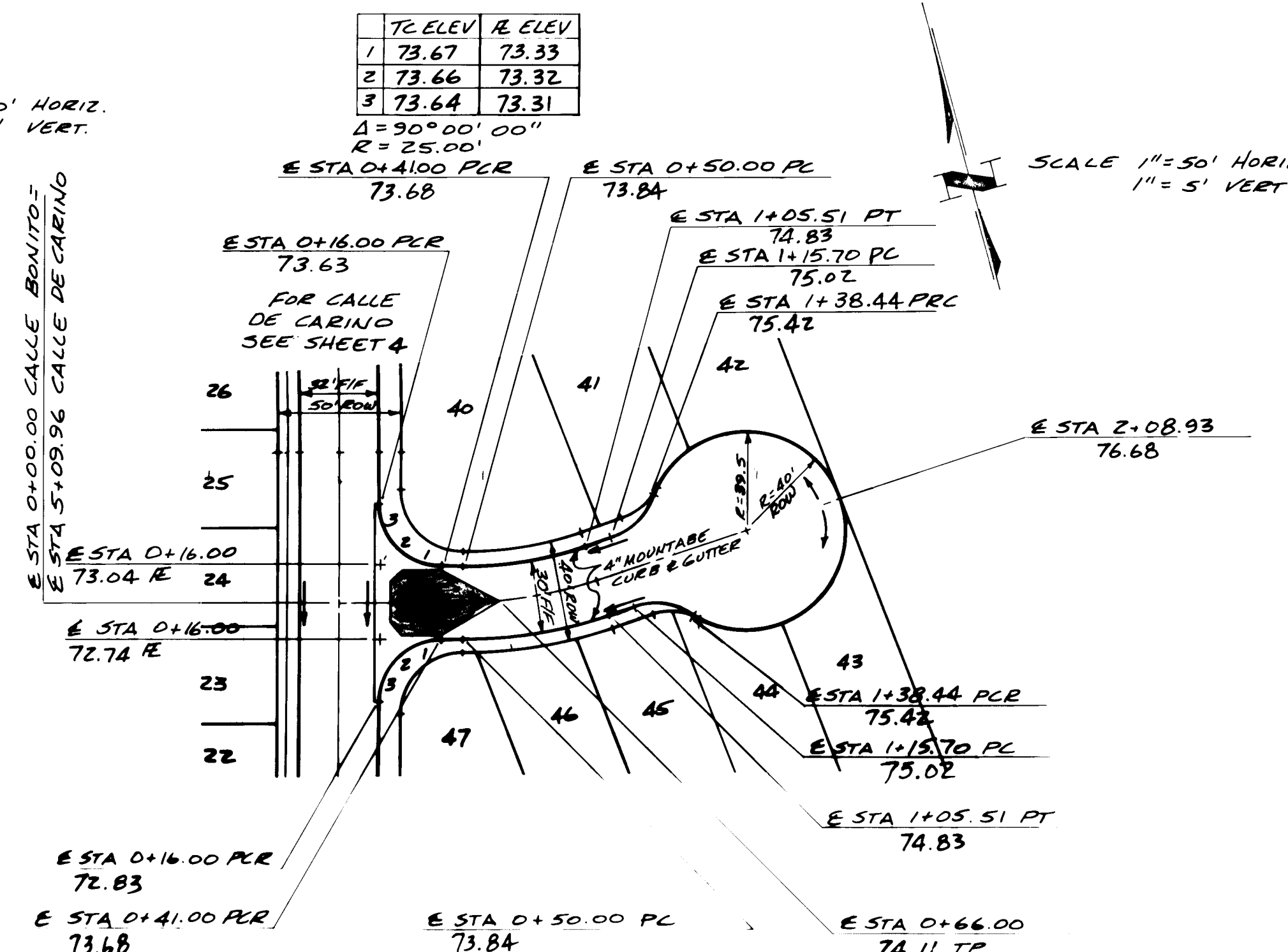
SHEET 4 OF 11



TC ELEV	E ELEV
1 67.15	66.81
2 66.67	66.33
3 66.11	65.77

$\Delta = 90^{\circ}00'00''$
 $R = 25.00'$

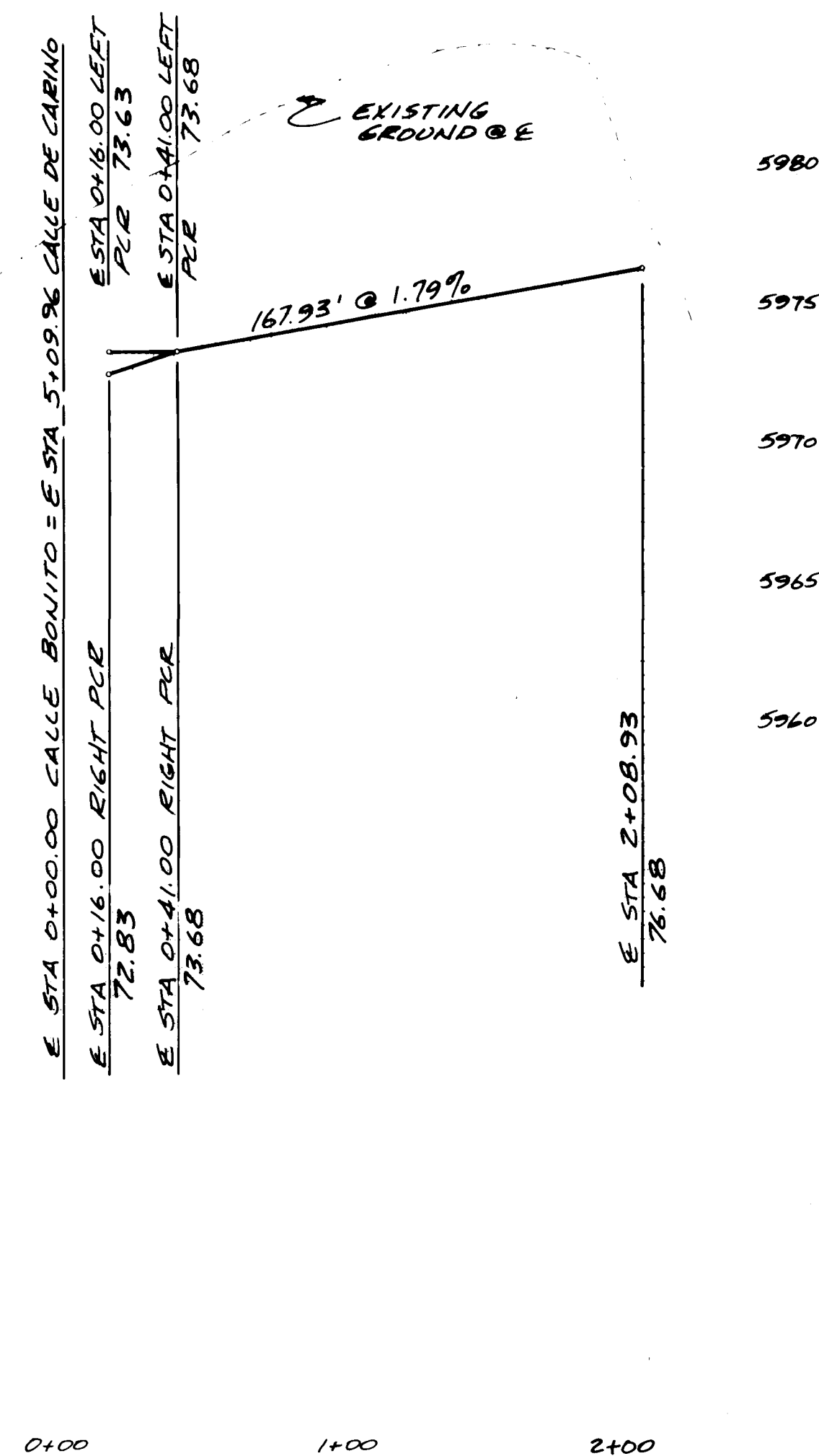
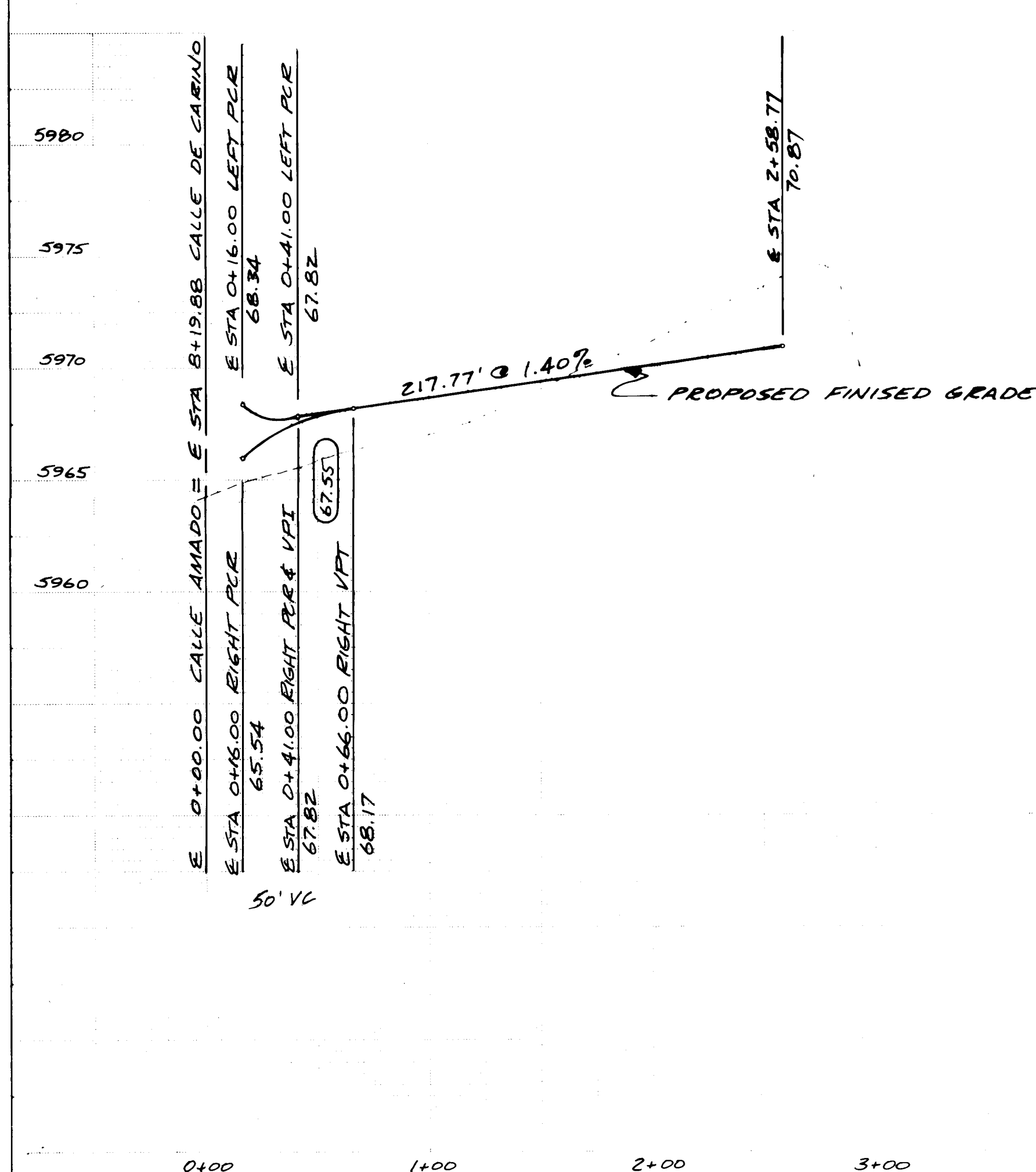
CALLE AMADO



TC ELEV	E ELEV
1 73.46	73.12
2 73.25	72.91
3 73.04	72.70

$\Delta = 90^{\circ}00'00''$
 $R = 25.00'$

CALLE BONITO



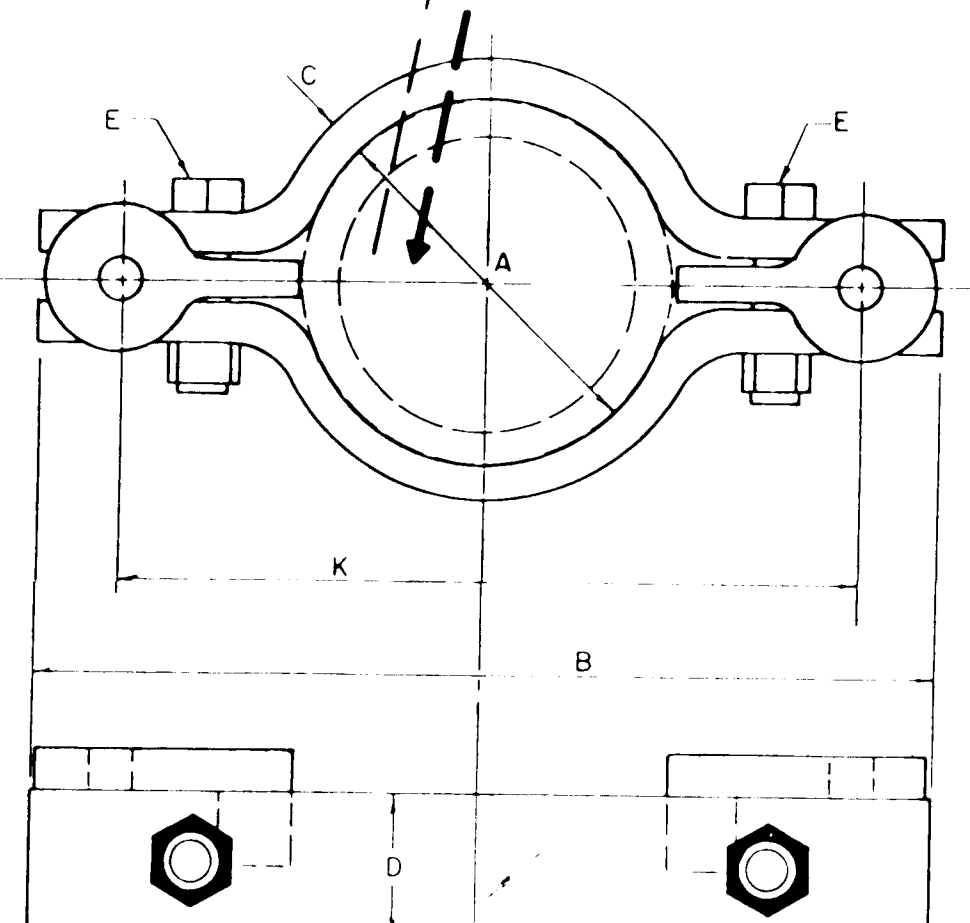
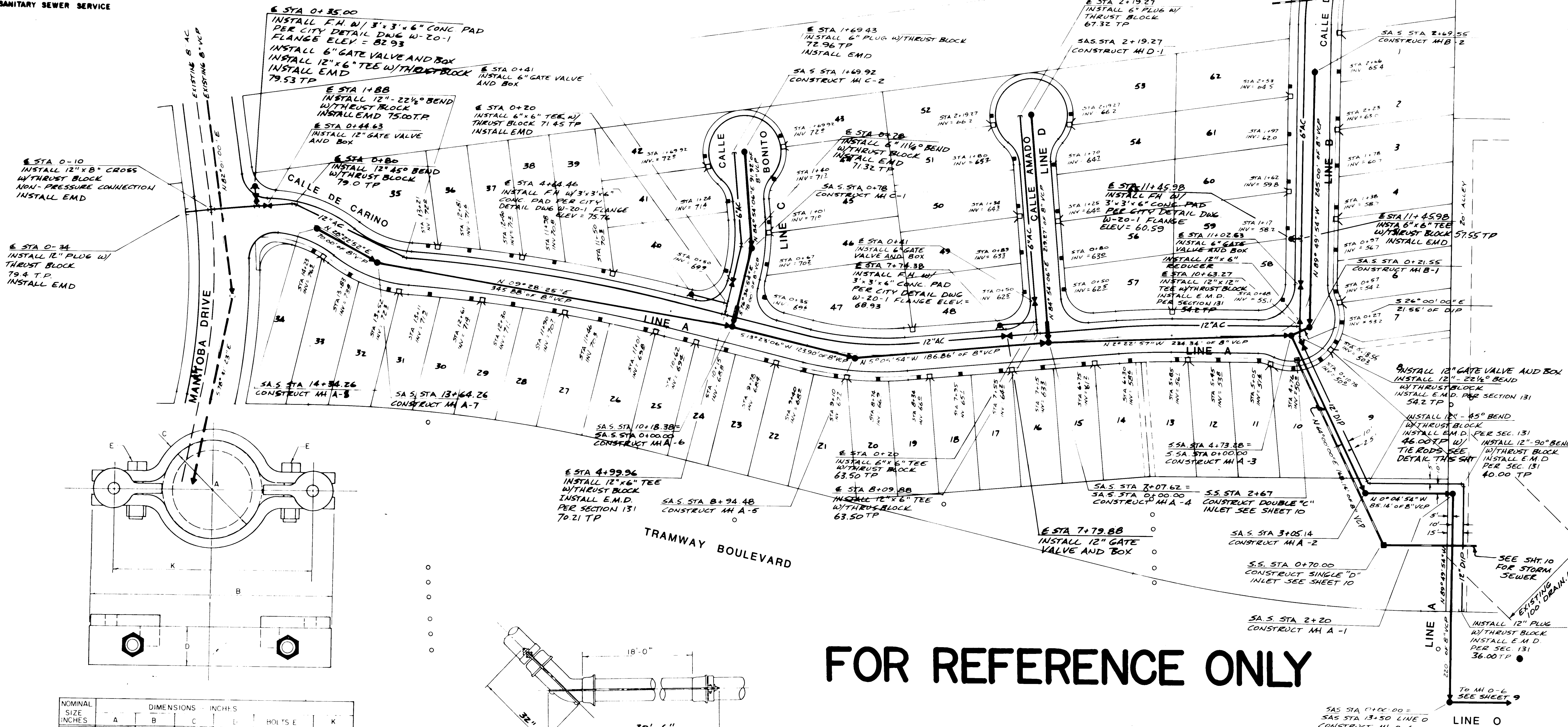
216 1309 09/05/1981

ACADEMY ENGINEERING INC. 5353 WYOMING BLVD. NE., SUITE 3 ALBUQUERQUE, NEW MEXICO 87109					
PLANS PREPARED UNDER THE DIRECTION OF					
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: TIERRA AMADA CALLE BONITO & CALLE AMADO STREET PLAN AND PROFILE					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	NA	
A.C.E. - Design	9/10/81		Traffic	NA	
A.C.E. - Hydrology	9/10/81		Water	NA	
APPROVED FOR CONSTRUCTION C.M. Entley 9/10/81 CITY ENGINEER			DRAWING NO. 1309		
			SHEET 5 OF 11		

LEGEND

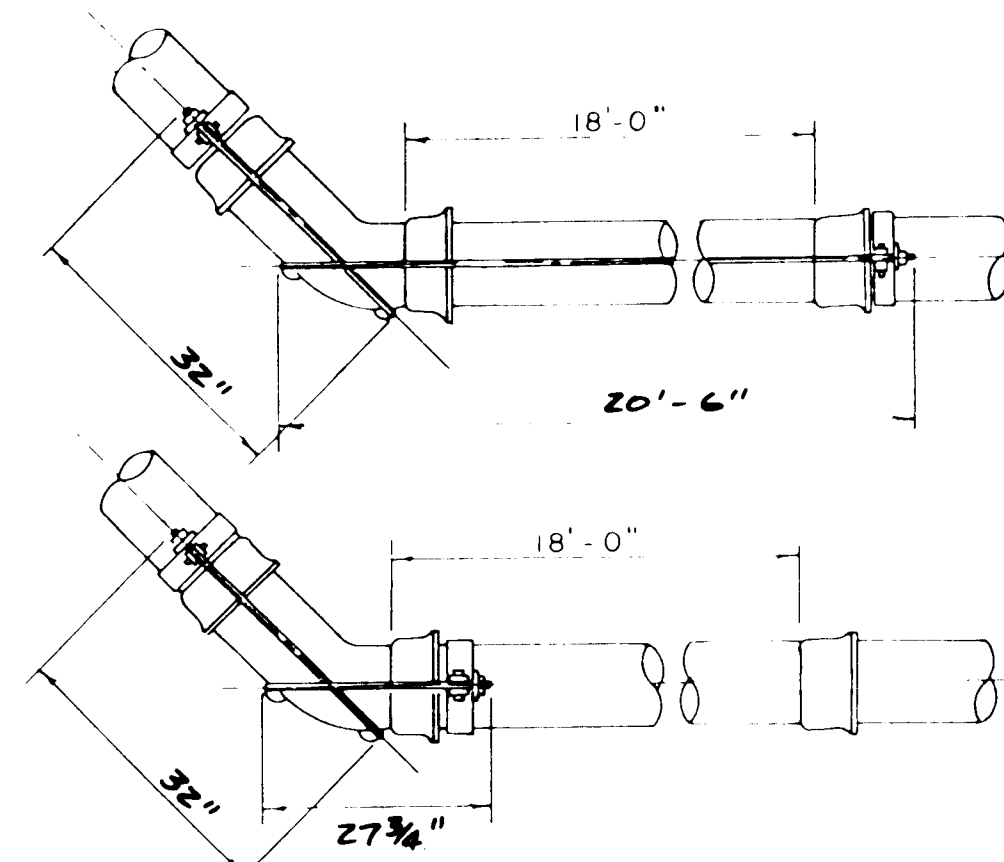
- PROPOSED MANHOLE AND SEWER LINE
- EXISTING MANHOLE AND SEWER LINE
- PROPOSED WATER LINE
- EXISTING WATER LINE
- PROPOSED FIRE HYDRANT
- EXISTING FIRE HYDRANT
- PROPOSED VALVE & BOX
- EXISTING VALVE & BOX
- PROPOSED BLOWOFF
- PROPOSED VACUUM RELIEF VALVE
- PROPOSED REDUCER
- EXISTING REDUCER
- DOUBLE WATER SERVICE
- SINGLE WATER SERVICE
- SANITARY SEWER SERVICE

SCALE 1" = 50'



NOMINAL SIZE INCHES	DIMENSIONS - INCHES					
	A	B	C	D	E	F
4	5	12-1/8	1/2	2	5/8 x 3-1/2	10-1/8
6	7-1/16	14-3/8	1/2	2	5/8 x 3-1/2	12-1/16
8	9-3/16	16-5/8	1/2	2	5/8 x 3-1/2	14-3/8
10	11-3/8	18-7/8	1/2	2	5/8 x 3-1/2	16-9/16
12	13-1/2	21-1/4	1/2	2	5/8 x 3-1/2	18-13/16
14	15-3/4	23-1/2	3/4	3	3/4 x 4-1/2	20-3/4
16	17-7/8	25-1/2	3/4	4	1 x 4-1/2	22-7/8
18	20	28	3/4	4	1-1/4 x 5	25-1/8
20	22-1/8	30-3/4	3/4	4	1-1/4 x 5	27-1/4
24	26-3/8	34-3/4	3/4	5	1-1/4 x 5-1/2	31-1/4

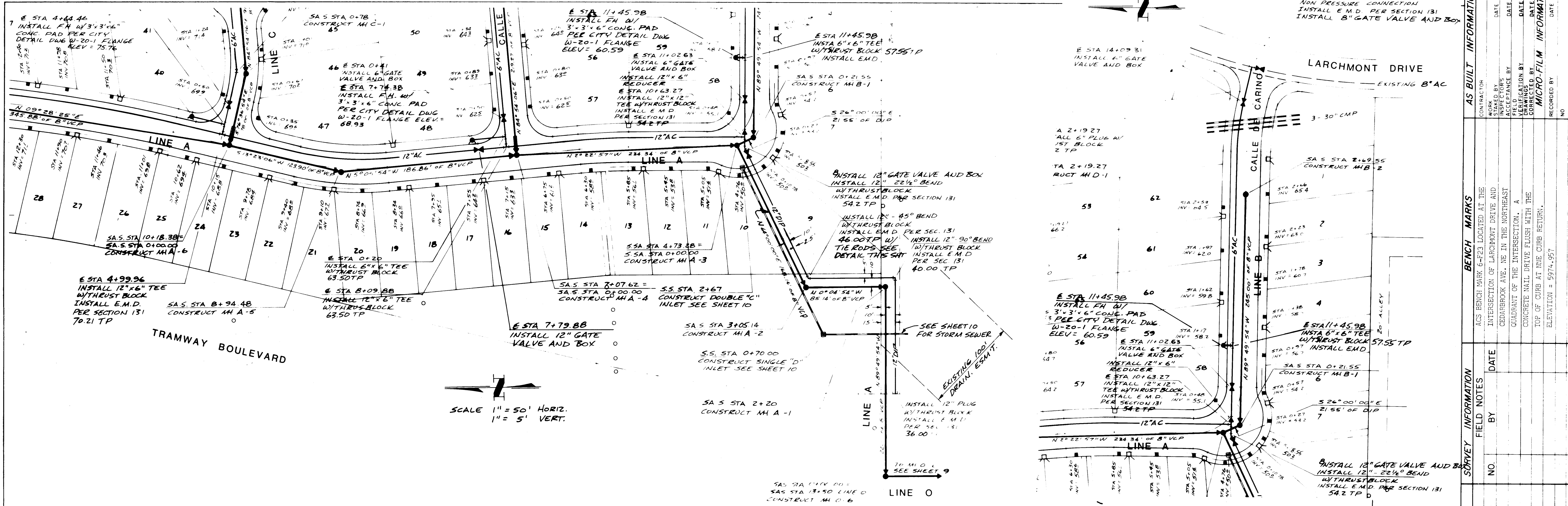
SOCKET CLAMP



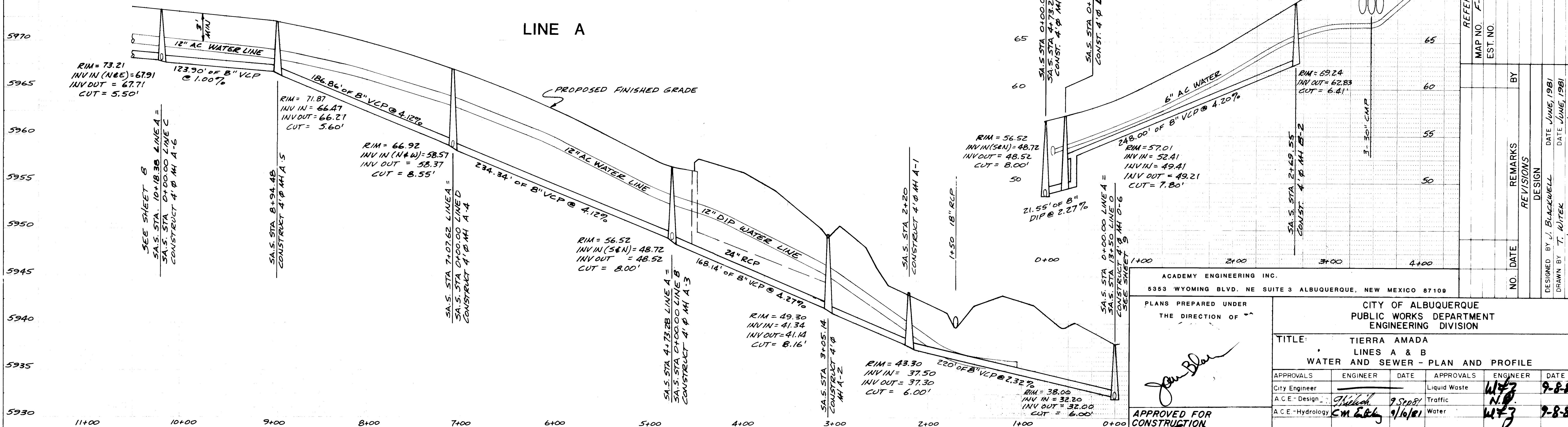
SOCKET CLAMP WITH TIE RODS

FOR REFERENCE ONLY

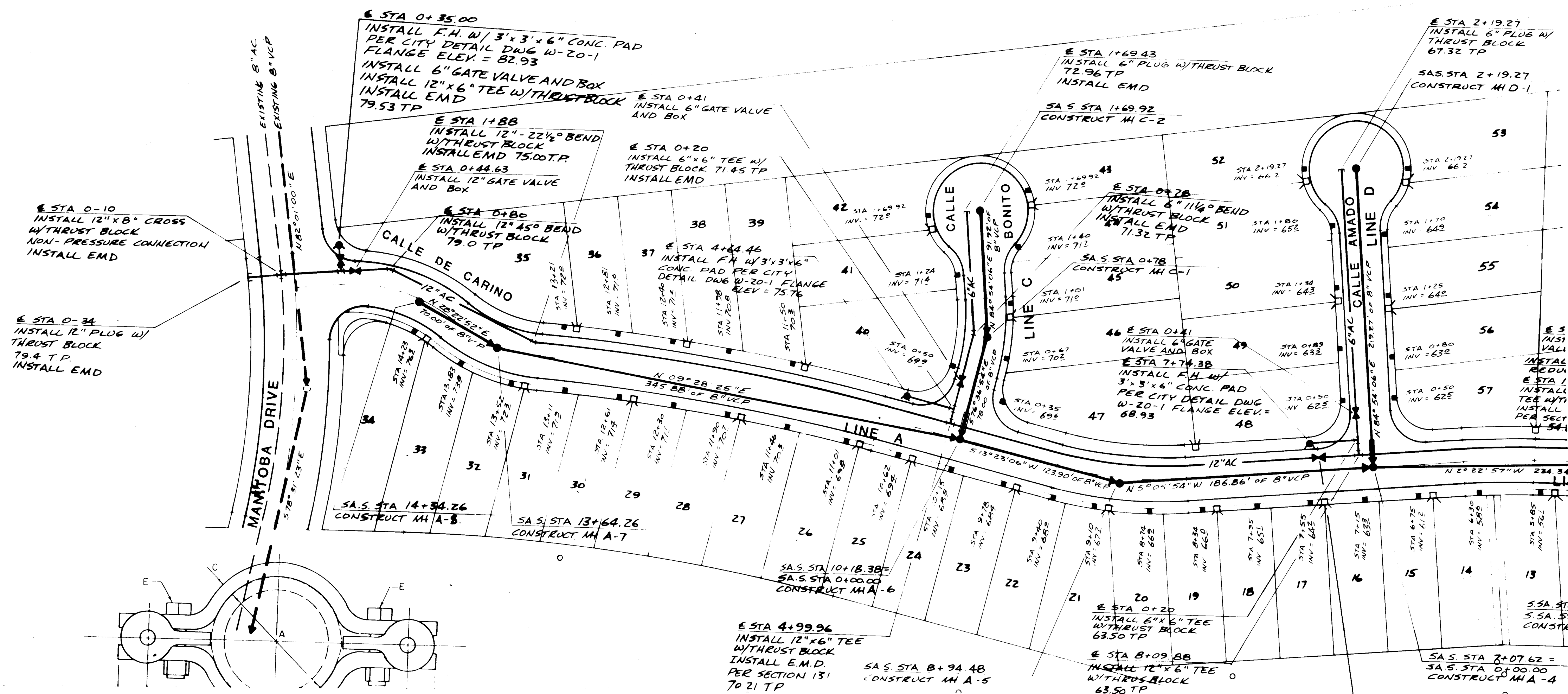
ACADEMY ENGINEERING INC. 5353 WYOMING BLVD. NE., SUITE 3 ALBUQUERQUE, NEW MEXICO 87110		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	
PLANS PREPARED UNDER THE DIRECTION OF JAMES E. BLACKWELL REGISTERED PROFESSIONAL ENGINEER		TITLE: TIERRA AMADA OVERALL WATER AND SEWER PLAN	
APPROVED FOR CONSTRUCTION C. M. Entley ENGINEER	DATE: 9/1/81	APPROVAL: [Signature] DATE: 9/1/81	ENGINEER: [Signature] DATE: 9/1/81
DRAWING NO. 1309		SHEET 6 OF 11	



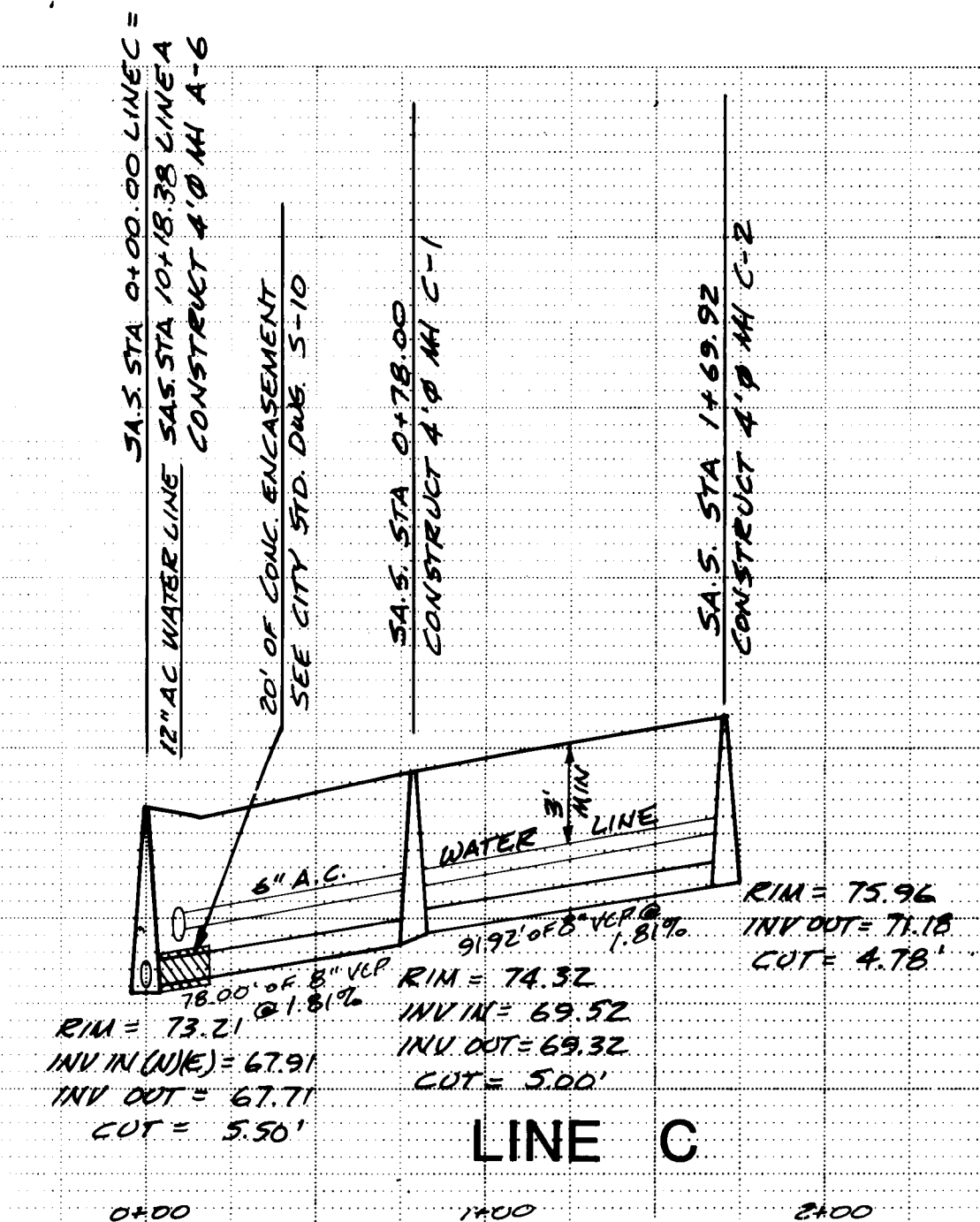
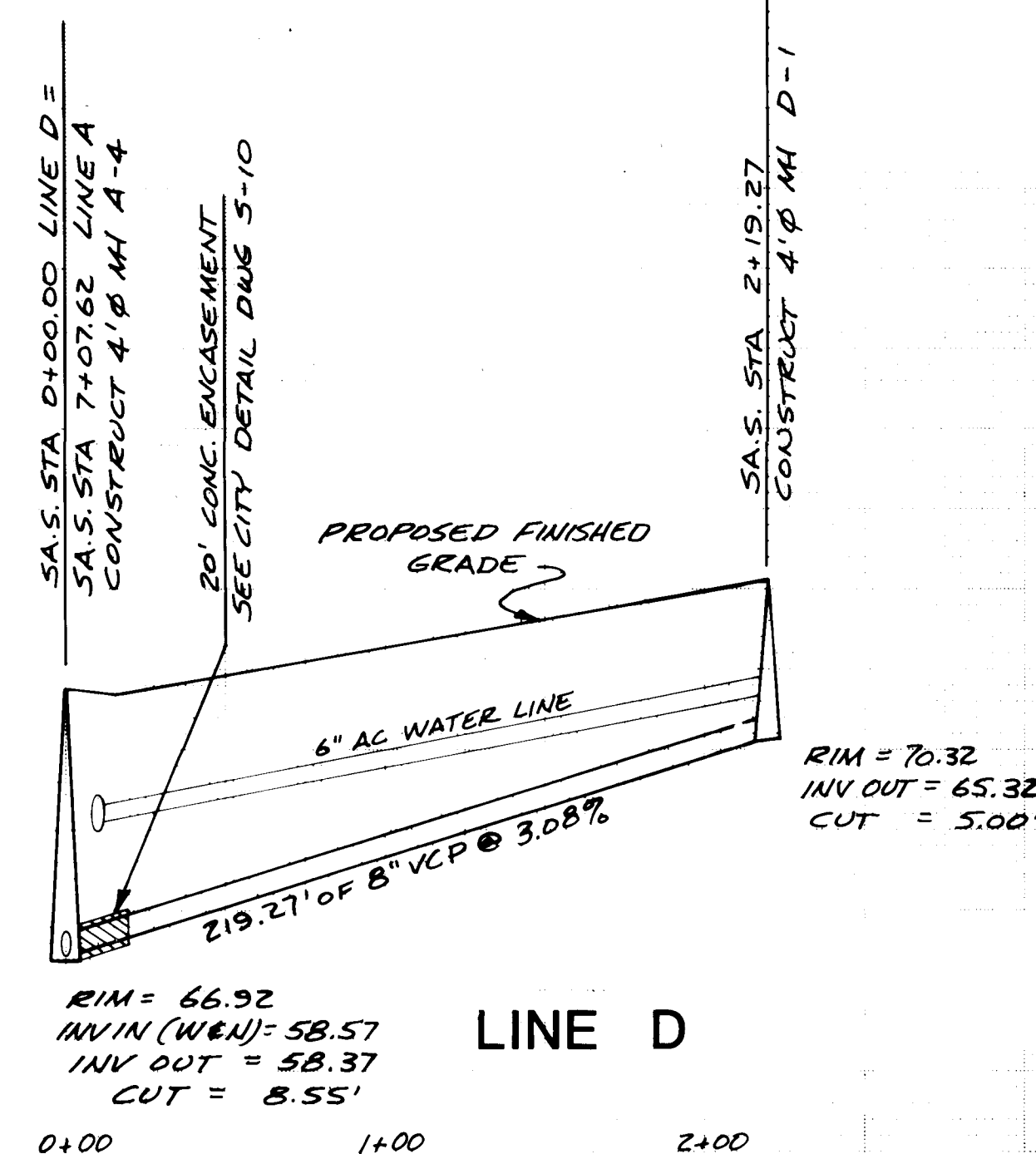
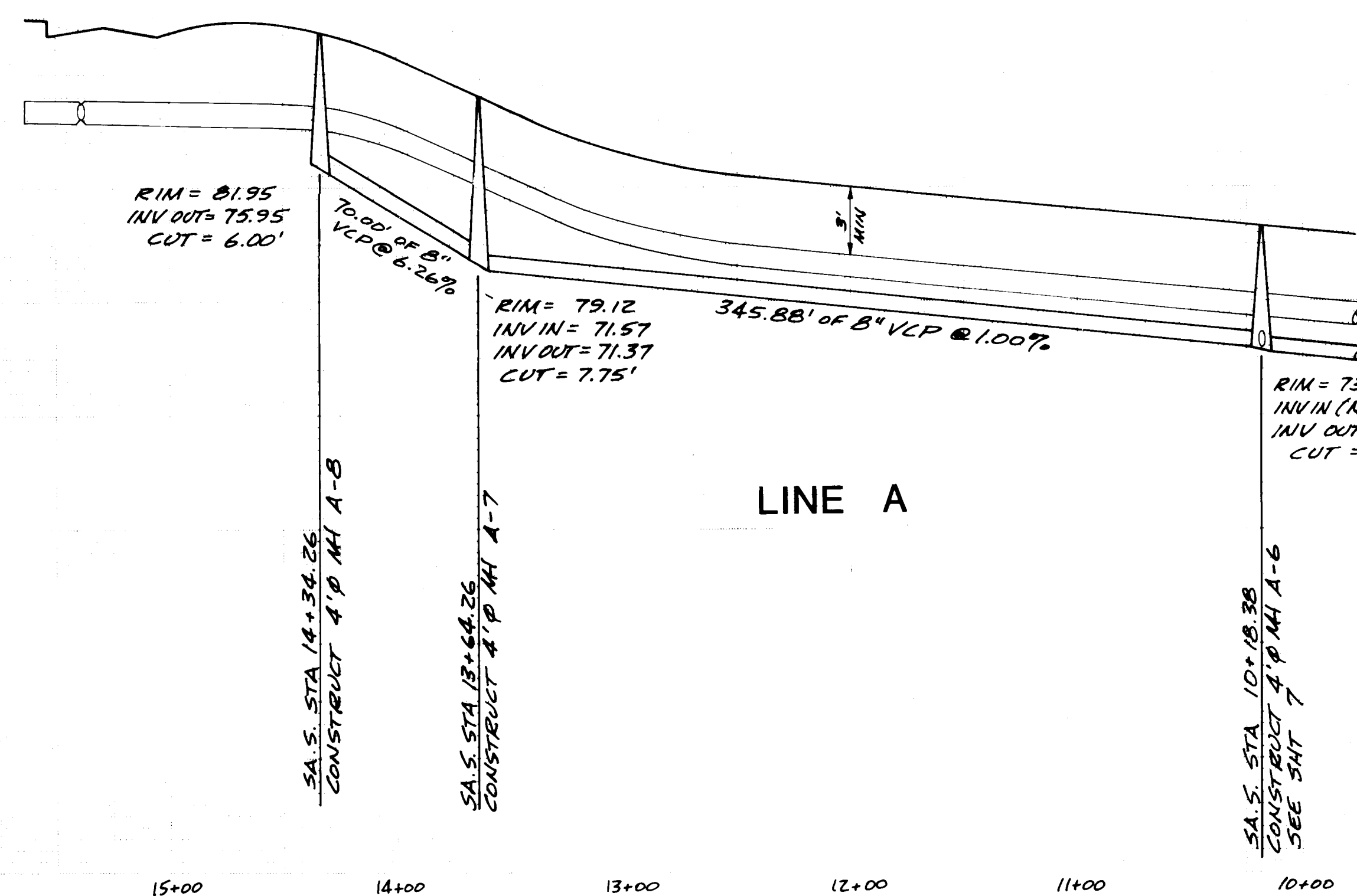
FOR REFERENCE ONLY



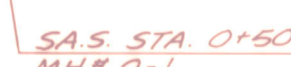
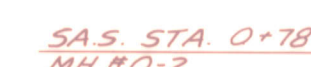
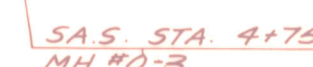
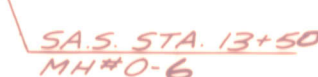
ACADEMY ENGINEERING INC.			CITY OF ALBUQUERQUE		
5353 WYOMING BLVD. NE SUITE 3 ALBUQUERQUE, NEW MEXICO 87109			PUBLIC WORKS DEPARTMENT		
PLANS PREPARED UNDER THE DIRECTION OF			ENGINEERING DIVISION		
APPROVED FOR CONSTRUCTION			TITLE: TIERRA AMADA LINES A & B WATER AND SEWER - PLAN AND PROFILE		
CITY ENGINEER			DATE		
APPROVALS			ENGINEER		
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		
DRAWING NO. 1309			SHEET 7 OF 11		
DESIGNED BY J. BLACKWELL			DATE JUNE 1981		
DRAWN BY T. WITK			DATE JUNE 1981		
CHECKED BY J. BLACKWELL			DATE JUNE 1981		



FOR REFERENCE ONLY

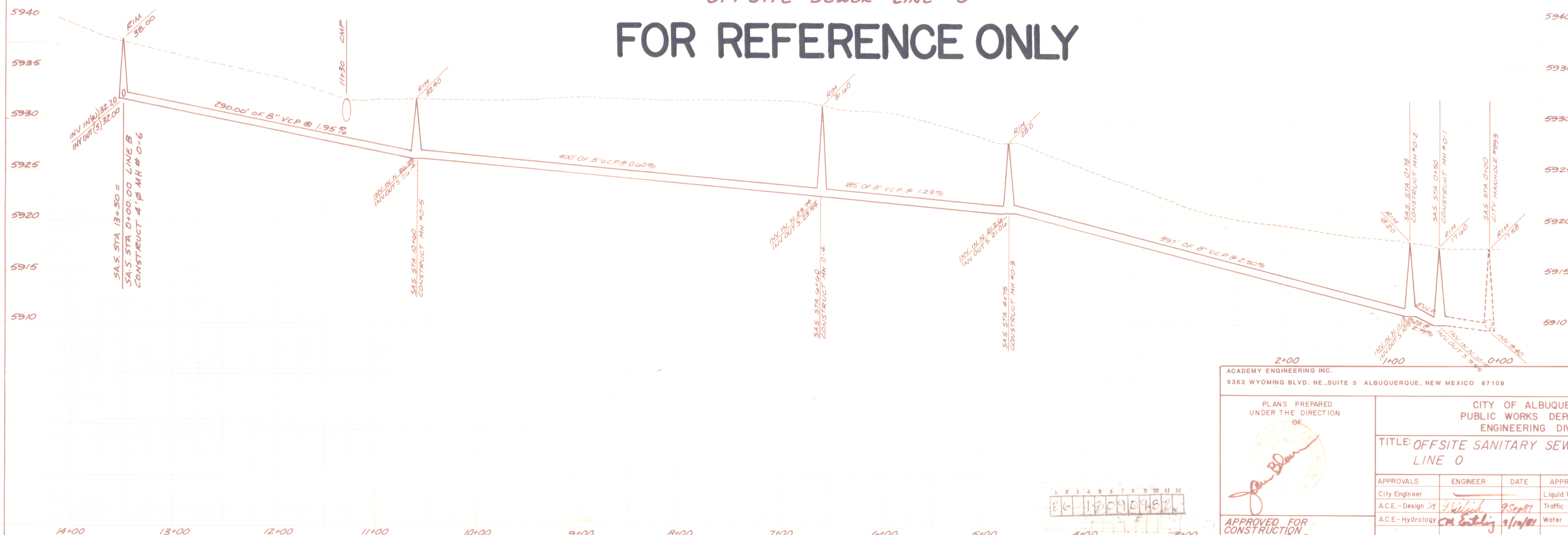


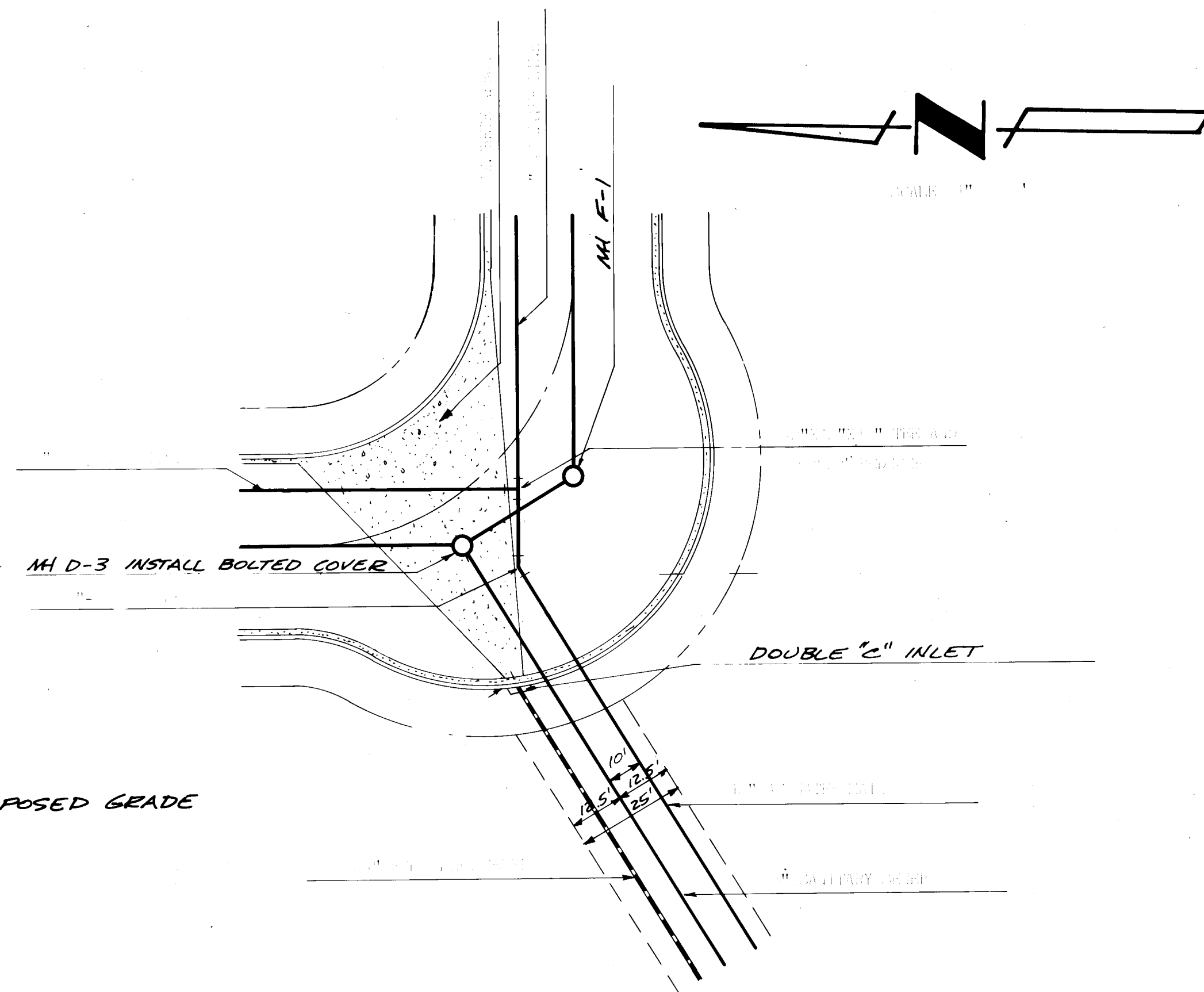
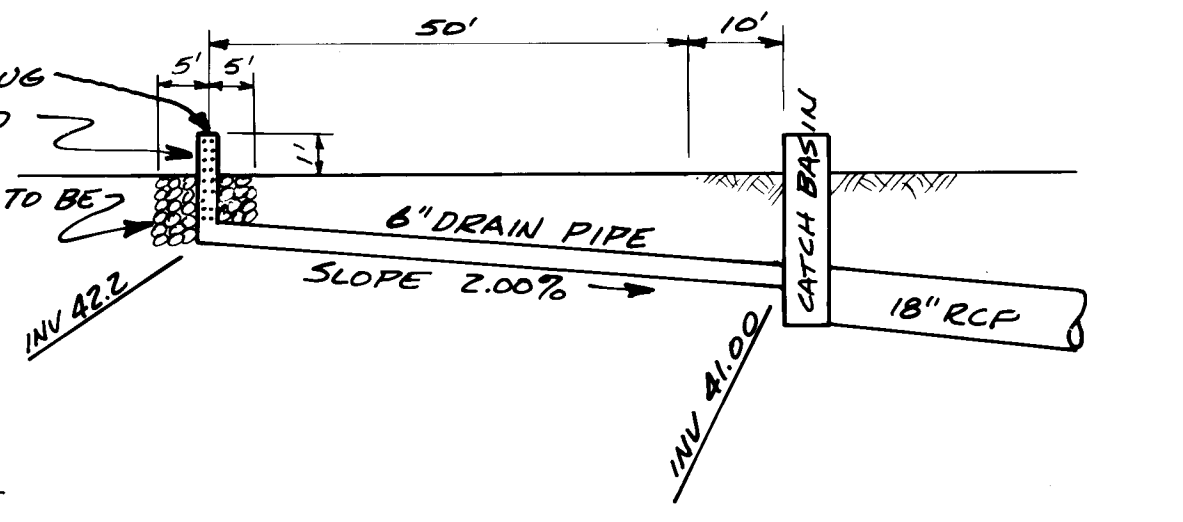
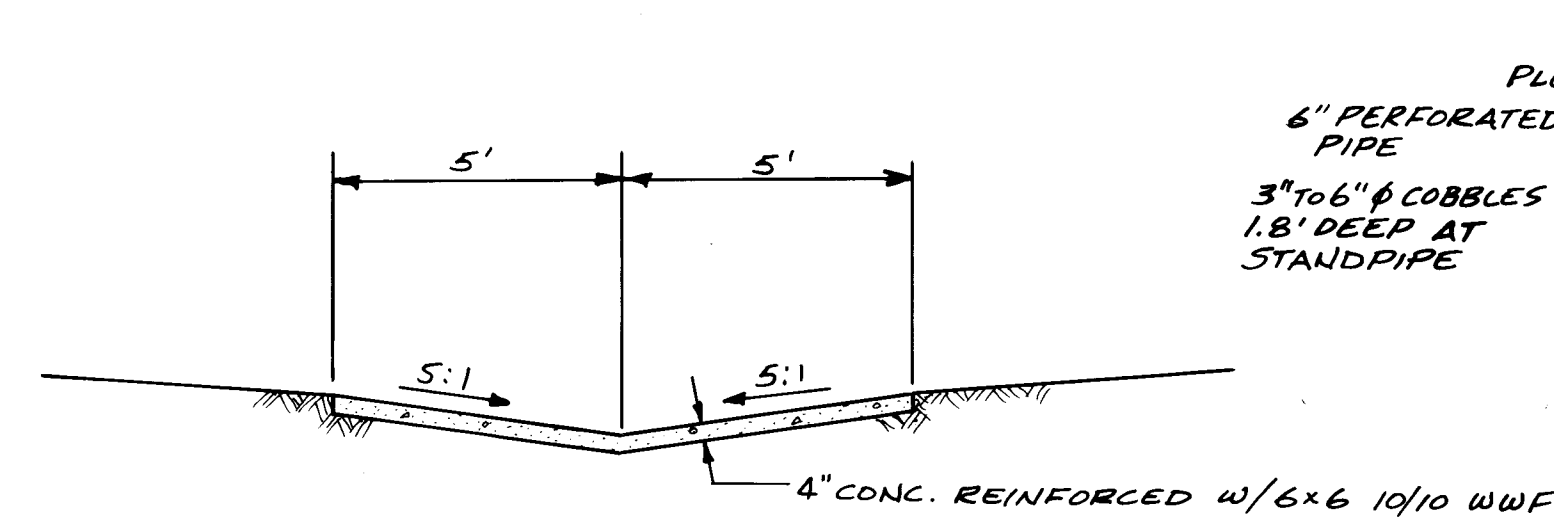
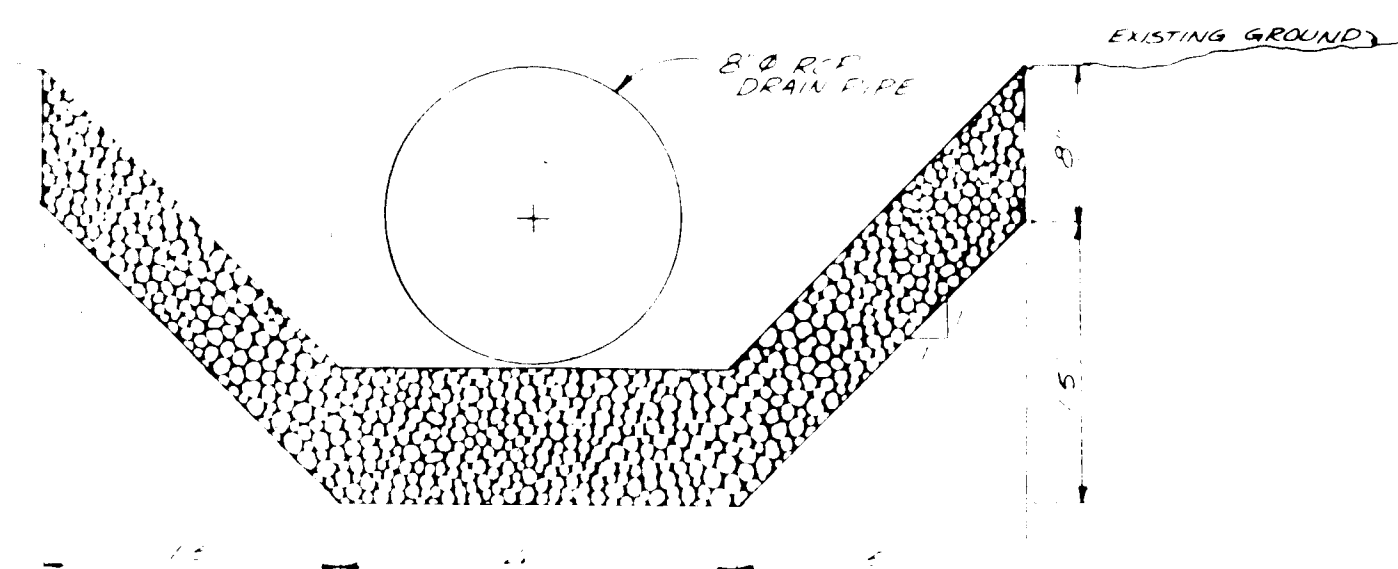
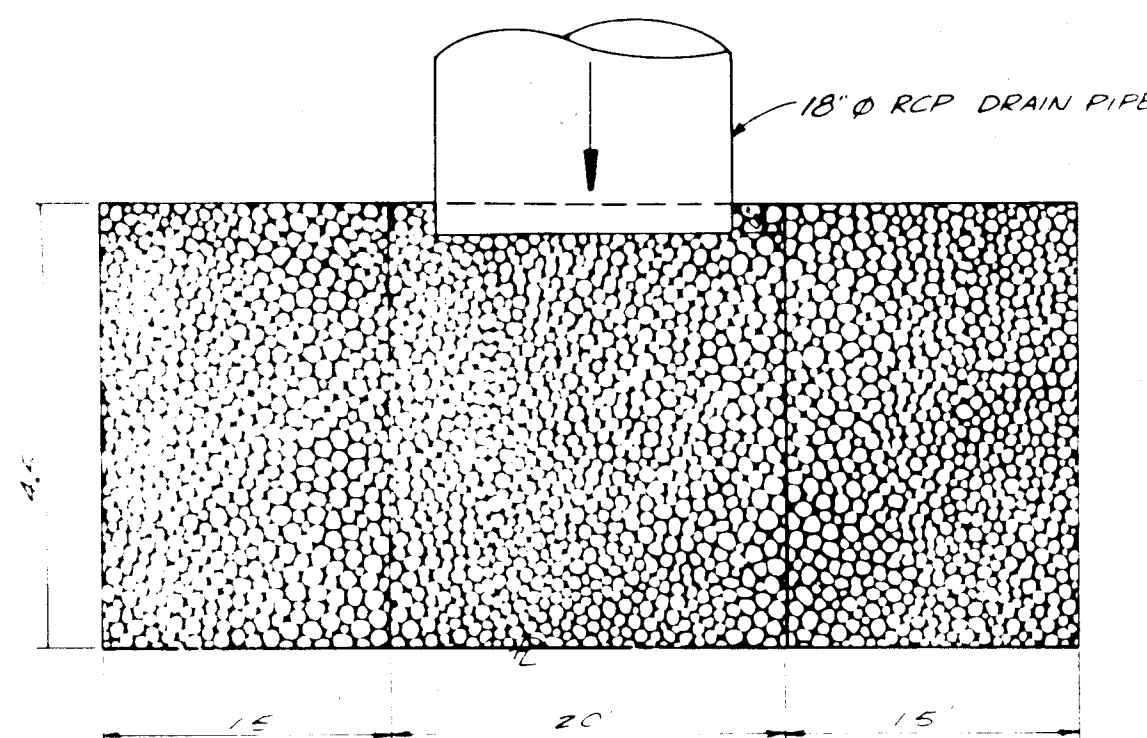
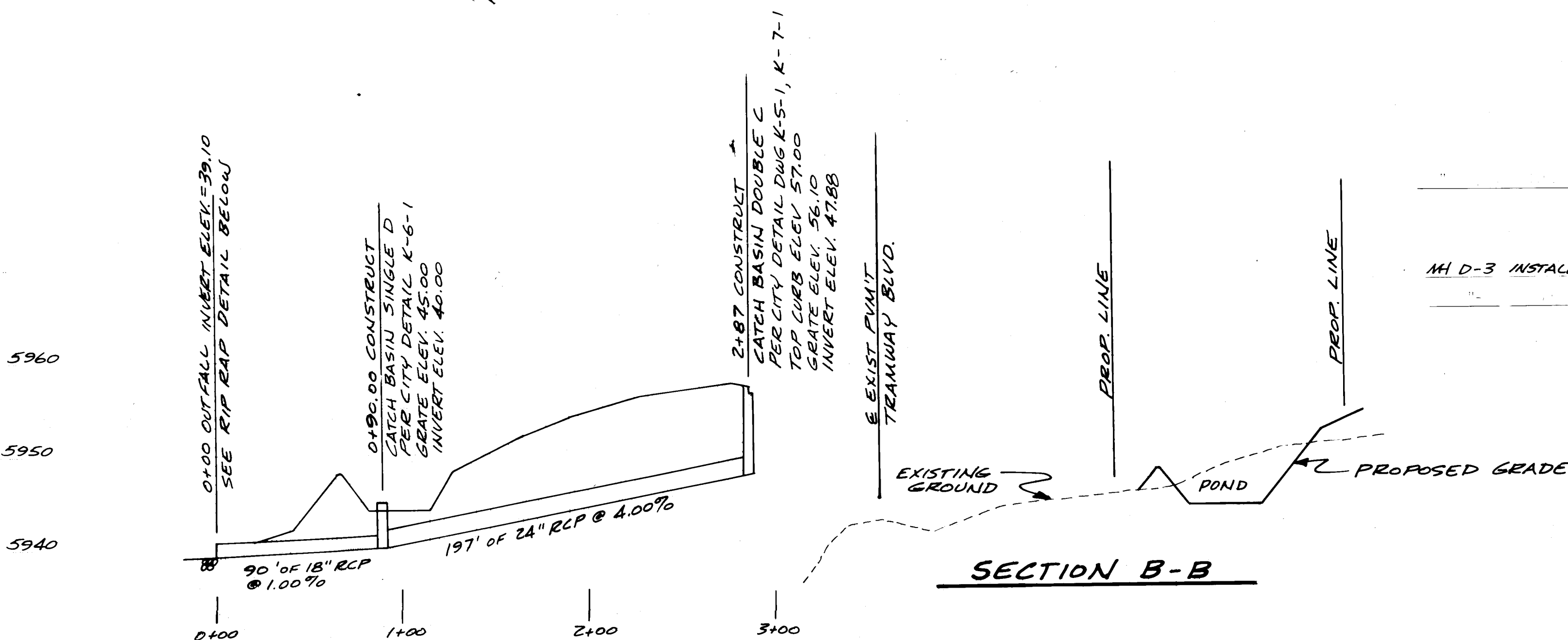
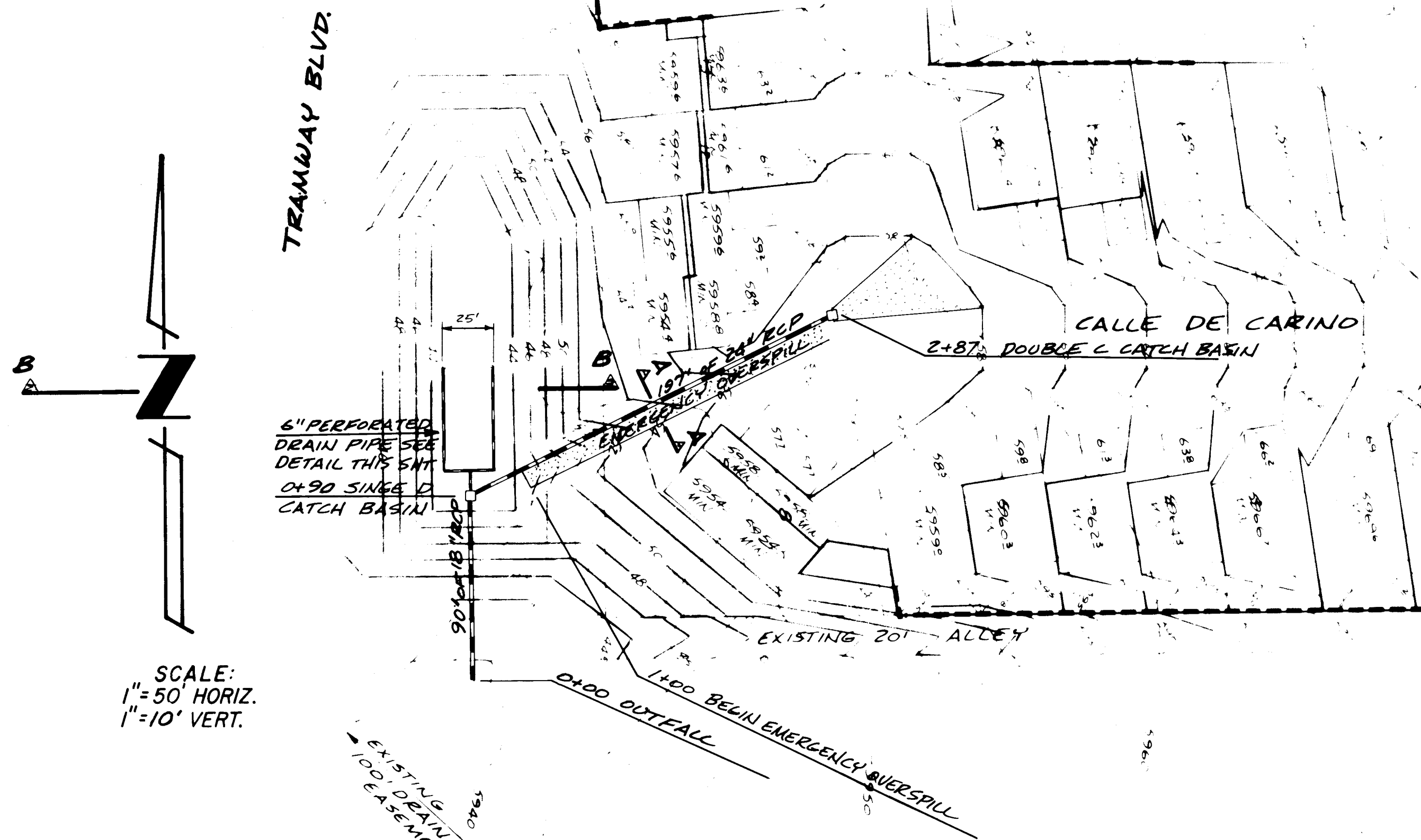
ACADEMY ENGINEERING INC. 5353 WYOMING BLVD NE., SUITE 3 ALBUQUERQUE, NEW MEXICO 87109					
PLANS PREPARED UNDER THE DIRECTION OF			CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION		
TITLE: TIERRA AMADA LINES A C & D WATER AND SEWER PLAN AND PROFILE					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		9-8-81
A.C.E. Design		9/8/81	Traffic		9-8-81
A.C.E. Hydrology		9/10/81	Water		
APPROVED FOR CONSTRUCTION C.M. Entalby 9/15/81 CITY ENGINEER DATE			DRAWING NO. 1309		
SHEET 8 OF 11			REVISIONS		
DESIGNED BY J.M. BLACKWELL DATE JUNE, 1981			CHECKED BY J. BLACKWELL DATE JUNE, 1981		



OFFSITE SEWER LINE "O"

FOR REFERENCE ONLY

[illegible]



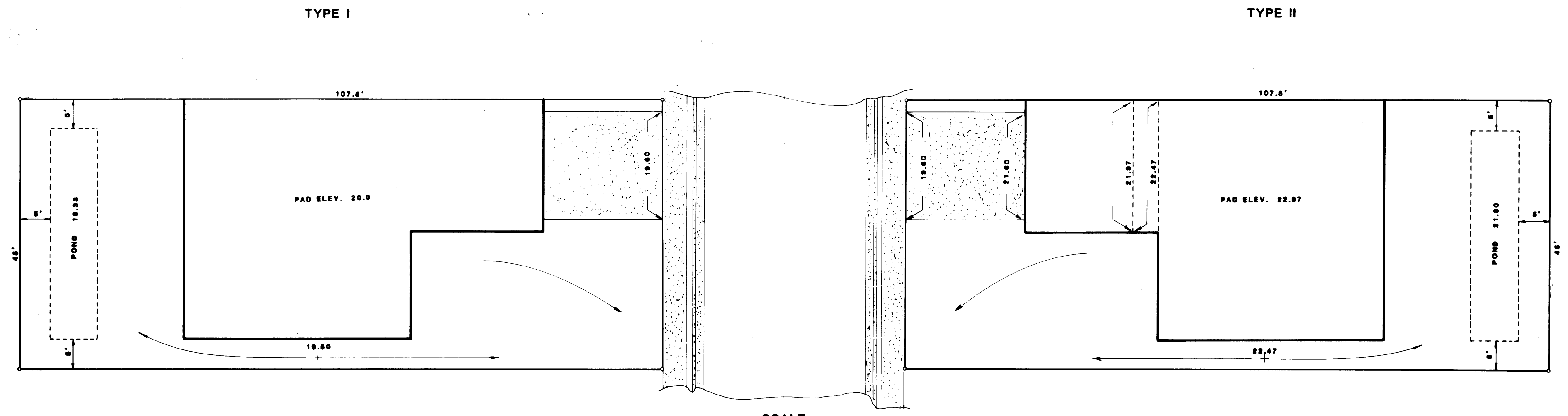
FOR REFERENCE ONLY

ACADEMY ENGINEERING INC. 6363 WYOMING BLVD. NE., SUITE 3 ALBUQUERQUE, NEW MEXICO 87109					
PLANS PREPARED UNDER THE DIRECTION OF			CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION		
APPROVED FOR CONSTRUCTION CM Entley 9/15/81 CITY ENGINEER			TITLE: 24" R.C.P. STORM SEWER		
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY ENGINEER	J. Blackwell	9/8/81	Liquid Waste	W#3	9/8/81
A.C.E. Design	9/8/81	9/8/81	Traffic	W#3	9/8/81
A.C.E. Hydrology	9/8/81	9/8/81	Water	W#3	9/8/81
DRAWING NO. 1309			SHEET 10 OF 11		

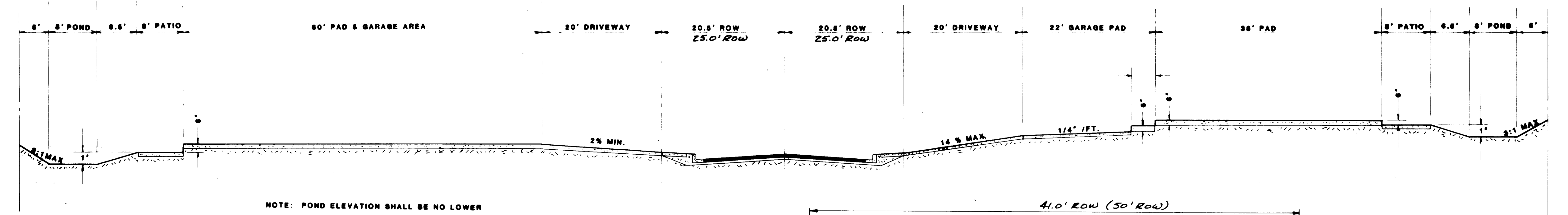
		REFERENCES		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		MAP NO. F-23		FIELD NOTES				CONTRACTOR	
		EST. NO.	W/O. NO.	NO.	BY	DATE			WORKED BY
								INSPECTED BY	
								ACCEPTANCE BY	
								FIELD	
								DRAWING	
								CORRECTED BY	
								MICRO-FILM INFORMATION	
								RECORDED BY	
								DATE	
								NO.	

						ACS BENCH MARK 6-P23 LOCATED AT THE INTERSECTION OF LARGEMAN DRIVE AND CENARHOP AVE. N.E.. IN THE NORTH EAST CORNER OF PLOT 25.			
						A CORNER BENCH PLAIN WITH TOP OF CORNER AT THE CHIP PITTERS ELEV. 5974.957			

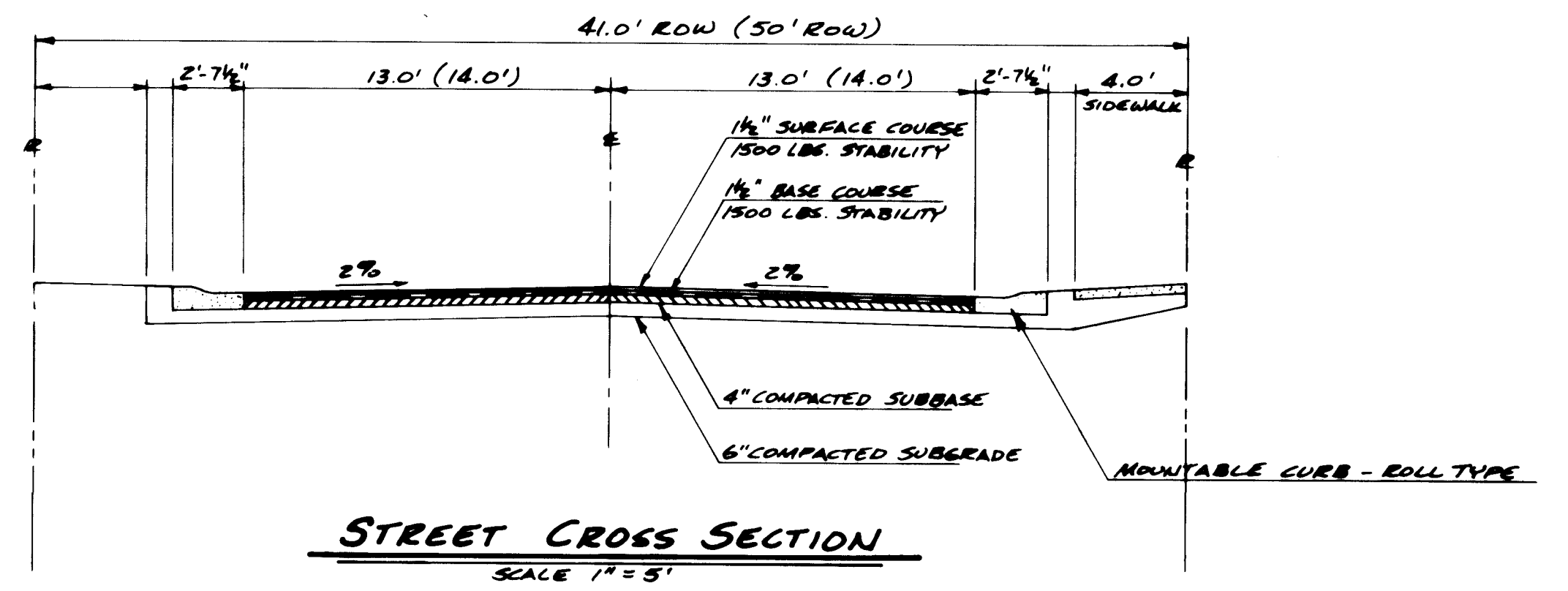
TYPICAL LOT GRADING



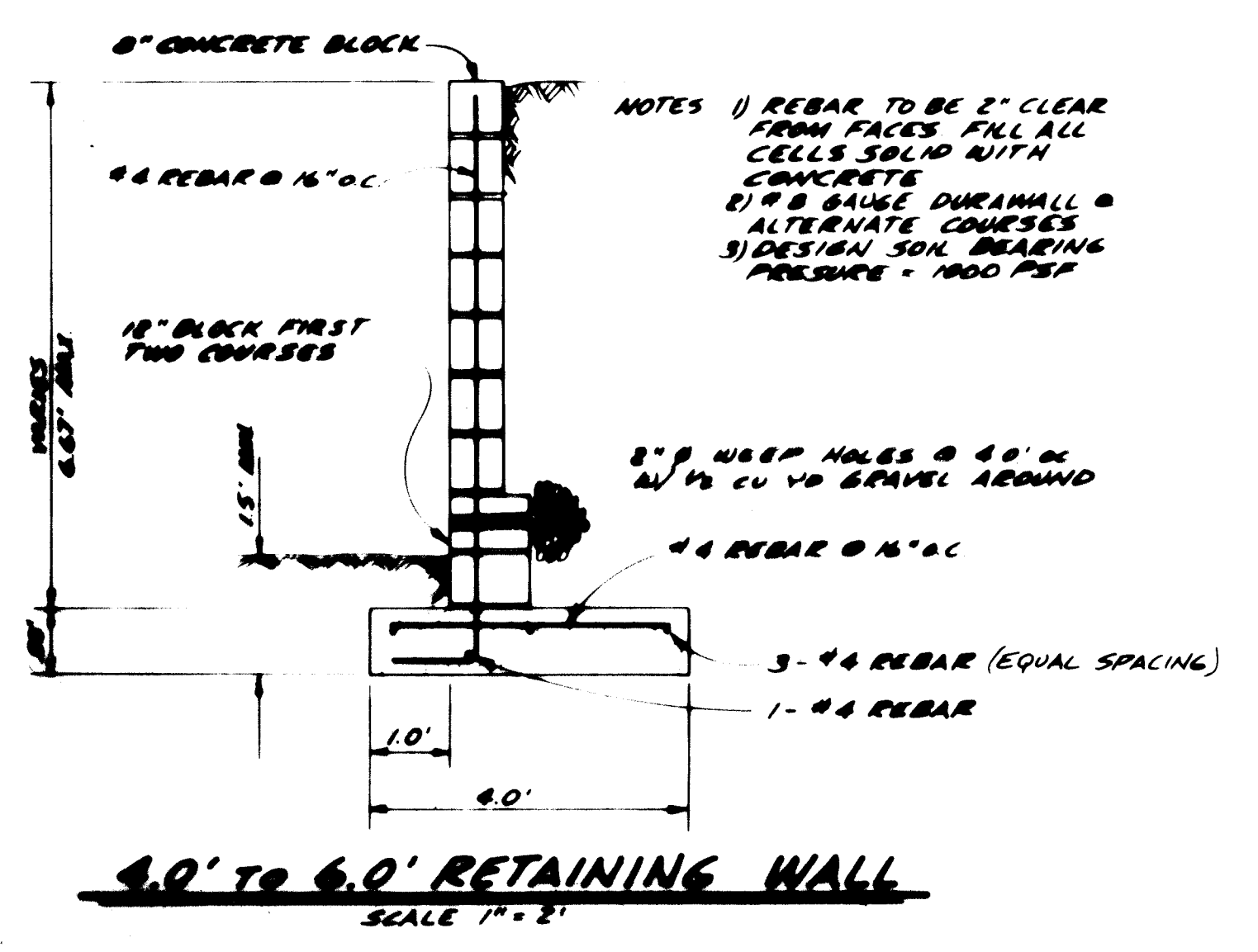
SCALE:
1" = 10' HORZ.
NO VERT. SCALE



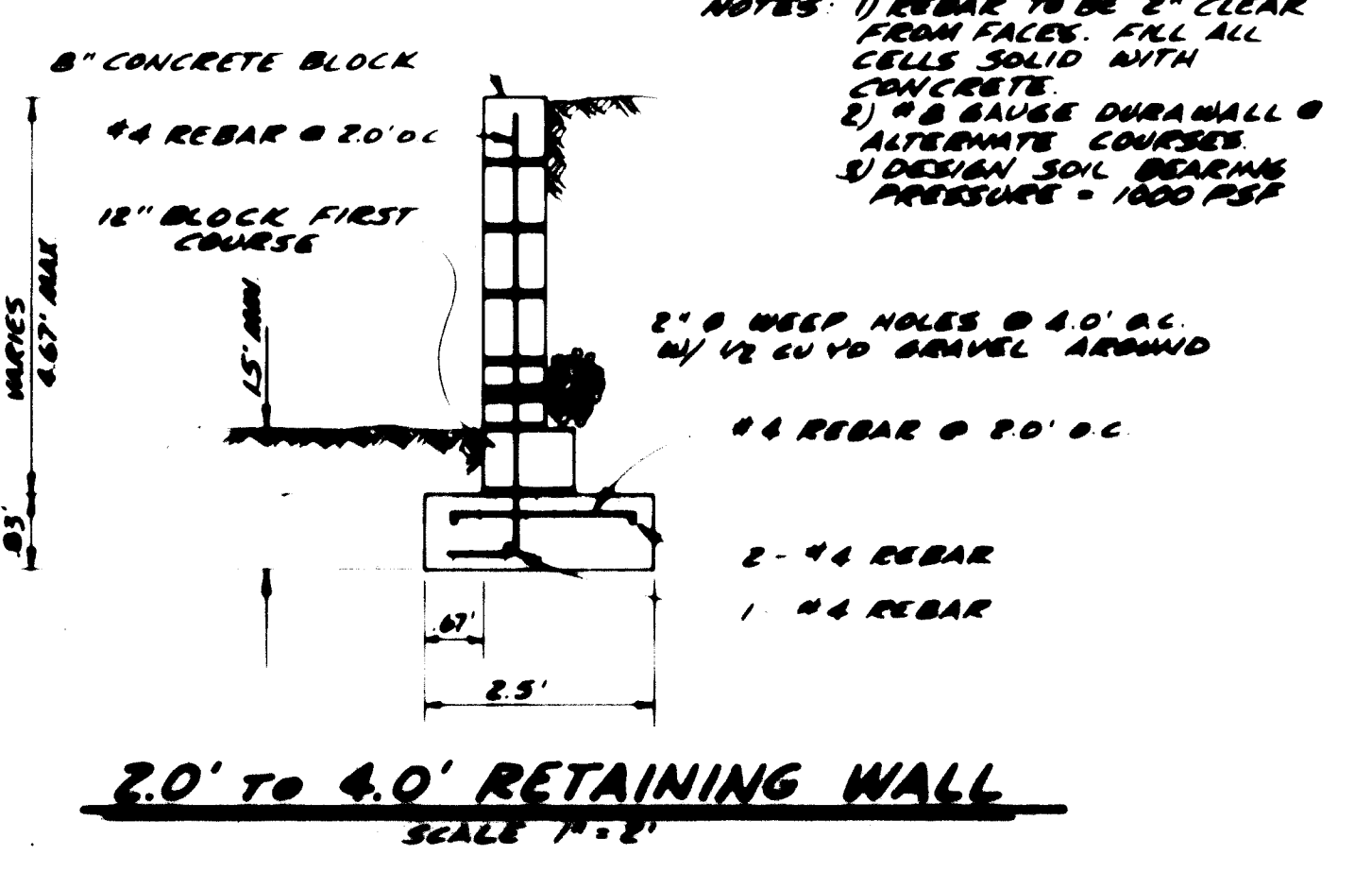
NOTE: POND ELEVATION SHALL BE NO LOWER THAN 1.87' BELOW PAD ELEVATION.



STREET CROSS SECTION
SCALE 1" = 5'



NOTES:
1) REBAR TO BE 2" CLEAR FROM FACES. FILL ALL CELLS SOLID WITH CONCRETE.
2) 4# GAUGE DURAMALL @ ALTERNATE COURSES.
3) DESIGN SOIL BEARING PRESSURE = 1800 PSF.



NOTES:
1) REBAR TO BE 2" CLEAR FROM FACES. FILL ALL CELLS SOLID WITH CONCRETE.
2) 4# GAUGE DURAMALL @ ALTERNATE COURSES.
3) DESIGN SOIL BEARING PRESSURE = 1800 PSF.

130911182

ACADEMY ENGINEERING INC. 6865 WYOMING BLVD. SUITE 3 ALBUQUERQUE, N.M. 87108					
PLANS PREPARED UNDER THE DIRECTION OF					
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: TIERRA AMADA GRADING DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	NA	
A.C.E. Design		9/20/01	Traffic	T.M. Hargis	9/20/01
A.C.E. Hydrology		9/14/01	Water	NA	
DRAWING NO. 1309			SHEET 11 OF 11		