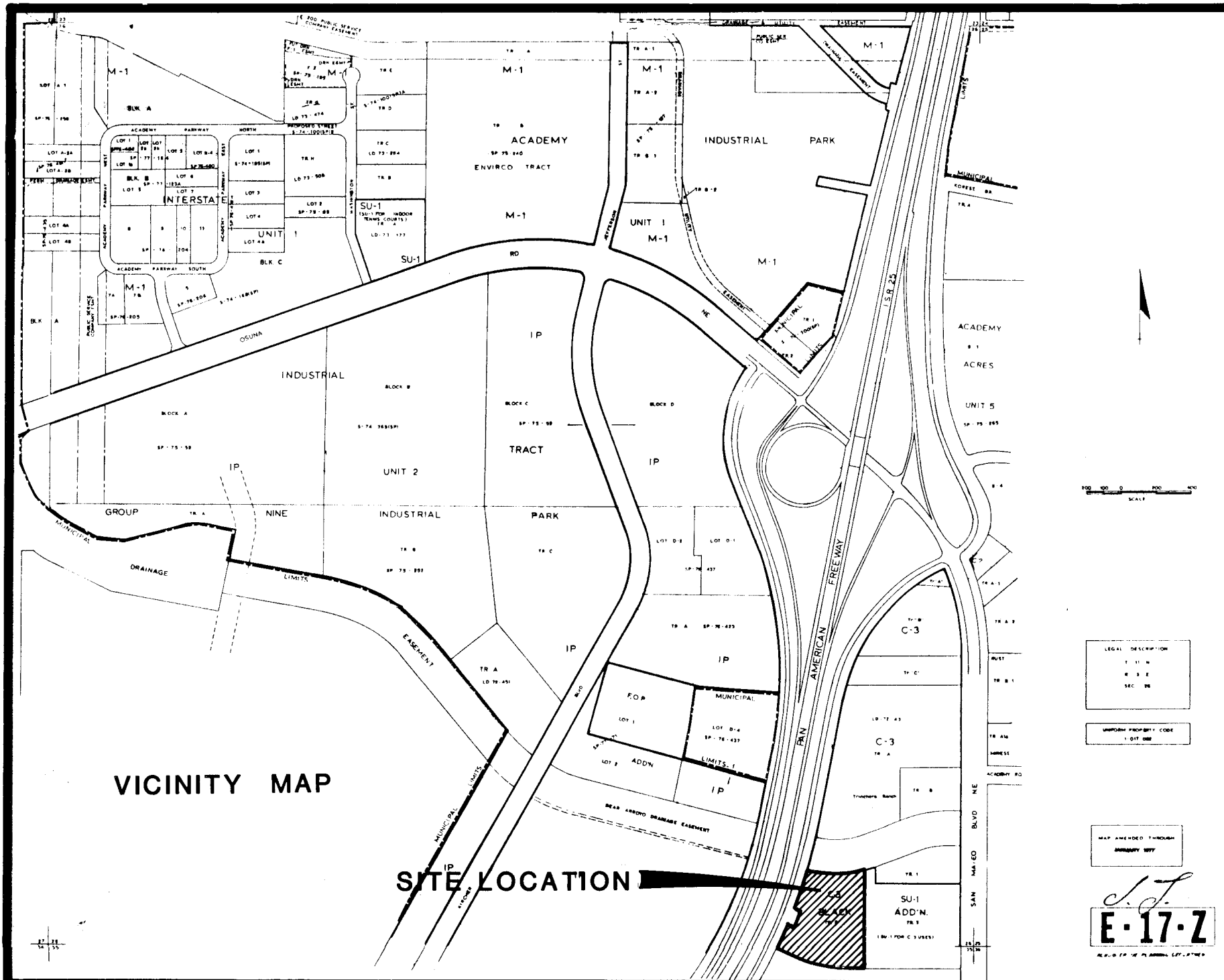




CONSTRUCTION PLANS FOR

BRENTWOOD PARK SUBDIVISION

ALBUQUERQUE, NEW MEXICO
WATER AND SANITARY SEWER

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-1-2, 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. 8" watermain shall be A.C. Pipe as approved by City of Albuquerque Water Resources Division.
3. Waterline shall have a minimum cover of 3'-0". (Top of curb to top of pipe.)
4. Waterline shall be located 10'-0" from and parallel to centerline of easement R.O.W. unless otherwise noted.
5. All water valves shall be installed at the P.C. of curb returns unless otherwise noted.
6. 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.
7. Concrete blocking required on all fire hydrants, tees, bends and other fittings which develop thrust.
8. The fire hydrants are to have a 3'x3'x6" 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, etc., shall be in accordance with City of Albuquerque standard details for paving. Drawing Numbers P-1 through 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 curb elevations are top of curb elevations unless otherwise noted.
6. Curb and gutter shall be 4" mountable curb and gutter unless otherwise noted.

ELECTRONIC MARKER DISCS

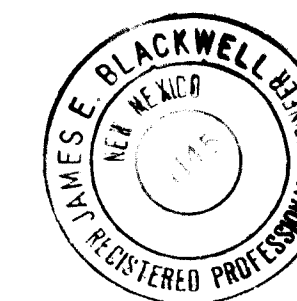
1. Contractor shall install electronic marker discs per Section 131 of City Standards.

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. 31" 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 amount of delay.

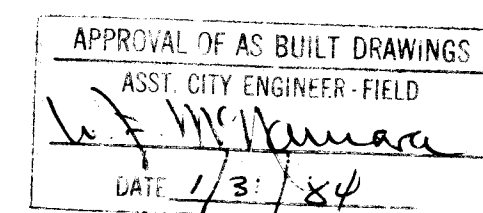
INDEX TO DRAWINGS

SHT NO	DESCRIPTION
1	TITLE SHEET
2	SUBDIVISION PLAT
3	GRADING AND DRAINAGE PLAN
4	STREET PLAN AND PROFILE DELETED - SEE WD 1606
5	OVERALL WATER AND SEWER PLAN
6	WATER AND SEWER PLAN AND PROFILE
7	STORM SEWER DETAILS DELETED - SEE WD 1606



James Blackwell
8-23-83

10-13-82



REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
APPROVAL OF REVISIONS							

ACADEMY ENGINEERING INC.

6553 WYOMING BOULEVARD NE SUITE 3
ALBUQUERQUE, NEW MEXICO 87109
(505) 821-8008

APPROVED FOR CONSTRUCTION

Richard S. Hesse
CITY ENGINEER

11/83
DATE

DWG NO 1379

LEGEND

- | | |
|--|------------------------------------|
| | PROPOSED MANHOLE |
| | EXISTING MANHOLE |
| | 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 |
| | EXISTING STORM SEWER |
| | PROPOSED STORM SEWER |
| | EXISTING POWER POLE |
| | EXISTING FENCE |
| | PROPOSED POND AND BOTTOM ELEVATION |
| | EXISTING CONTOUR |
| | PROPOSED CONTOUR |
| | EXISTING MANHOLE |

POWER POLES TO BE
RAISED BY PUBLIC
SER. Co. of N.M. under
SEPERATE CONTRACT.

SINGLE D CATCH BASIN
GRATE ELEV. = 83.74
SEE SHEET 7 FOR
PLAN & PROFILE
TOP OF POND 86.00

EXISTING DOUBLE "C" INLETS

BEAR ARROYO

OSUNA ROAD NE

SCALE 1" = 40'
CONTOUR INTERVAL 1'

1.5' TO 2.0' FILTER BLANKET
SEE SPECIFICATIONS BELOW

12" ϕ DUMPED RIP RAP

SUBGRADE
SEE SPECIFICATIONS
BELOW

SECTION B-B

NO SCALE

Pervious filter blanket shall consist of free draining, well graded, gravel, cobbles, and boulders, imported or manufactured on-site meeting the following gradation requirements:

<u>Seive Size</u>	<u>% Retained</u>
16"	0-5
12"	45-55
6"	65-75
No. 200	95-100

The material shall be hard, durable, dense angular to subrounded rock with all pieces having a length to width ratio of 3 or less. Smaller rocks and stones shall be used to chink interstices. Rip Rap material shall be approved by the Engineer and shall be placed in a manner to avoid segregation or nesting of large rock.

Subgrade shall be moistened and compacted to a minimum of 95% of the maximum density as determined by ASTM D-1557.

SECTION A-A

No SCALE

BERM DETAIL

NO SCALE

NOTE: CONTRACTOR TO BUILD 1'x1' BERM @ BACK OF CURB FROM 30' CONC PAV, NORTH AROUND CUL-DE-SAC, TO BE REMOVED @ TIME OF BUILD OUT OF SUBDIVISION.

2.6 13 19 1381.

ACADEMY ENGINEERING INC.

5353 WYOMING BLVD. NE SUITE 3 ALBUQUERQUE, N.M. 87109 821-8008

CITY OF ALBUQUERQUE

ENGINEERING DIVISION

TITLE: **BRENTWOOD PARK SUB.
GRADING - DRAINAGE PLAN**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>Handwritten signature</i>	12/20/82	Liquid Waste	<i>N.A. [Handwritten]</i>	10-19-82
A.C.E. - Design	<i>Handwritten signature</i>	26/10/82	Traffic	<i>N.A. [Handwritten]</i>	
A.C.E. - Hydrology	<i>Handwritten signature</i>	11-15-82	Water	<i>N.A. [Handwritten]</i>	10-19-1982

APPROVED FOR

CONSTRUCTION

Richard S. Hall

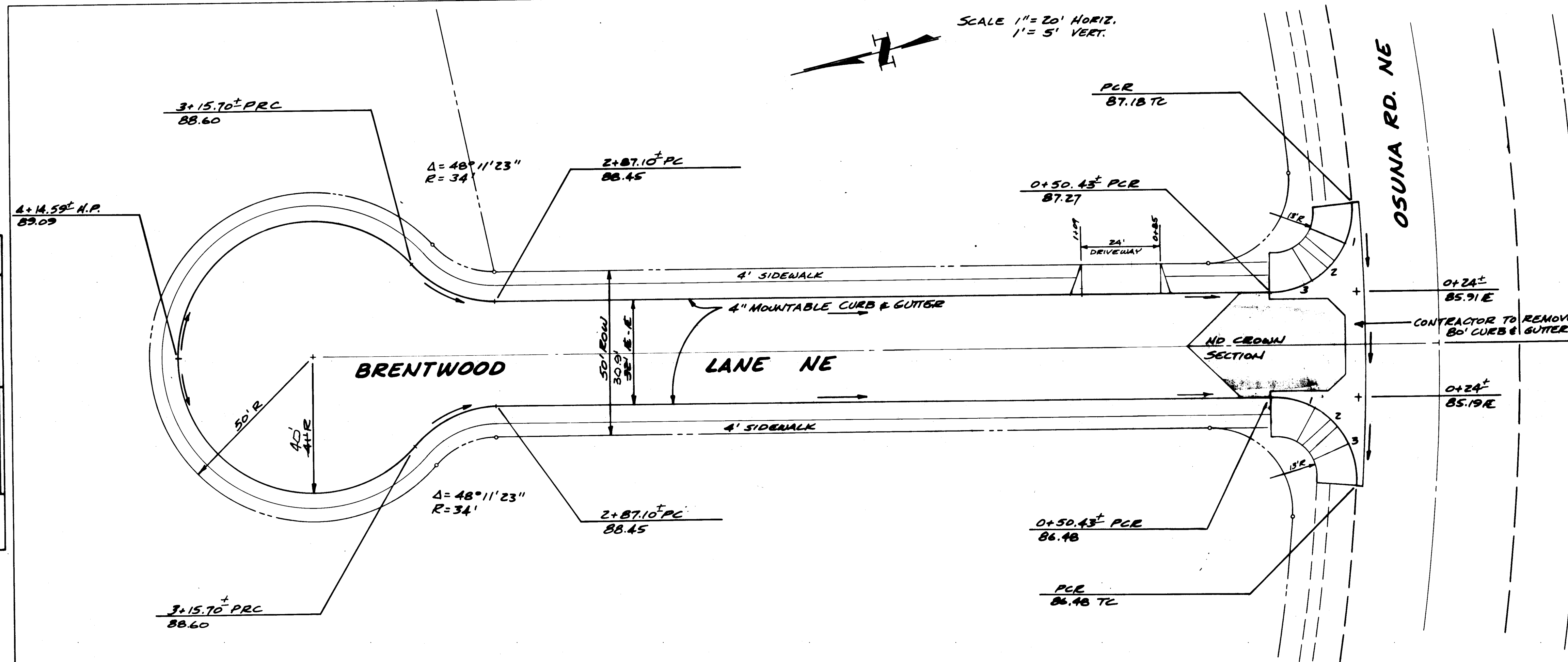
CITY ENGINEER

DRAWING NO. **1379**

SHEET **3** OF **7**

PLAN	DATE
SURVEYED	
NOTE BOOK	
NO.	

PROFILE	DATE
SURVEYED	
NOTE BOOK	
NO.	



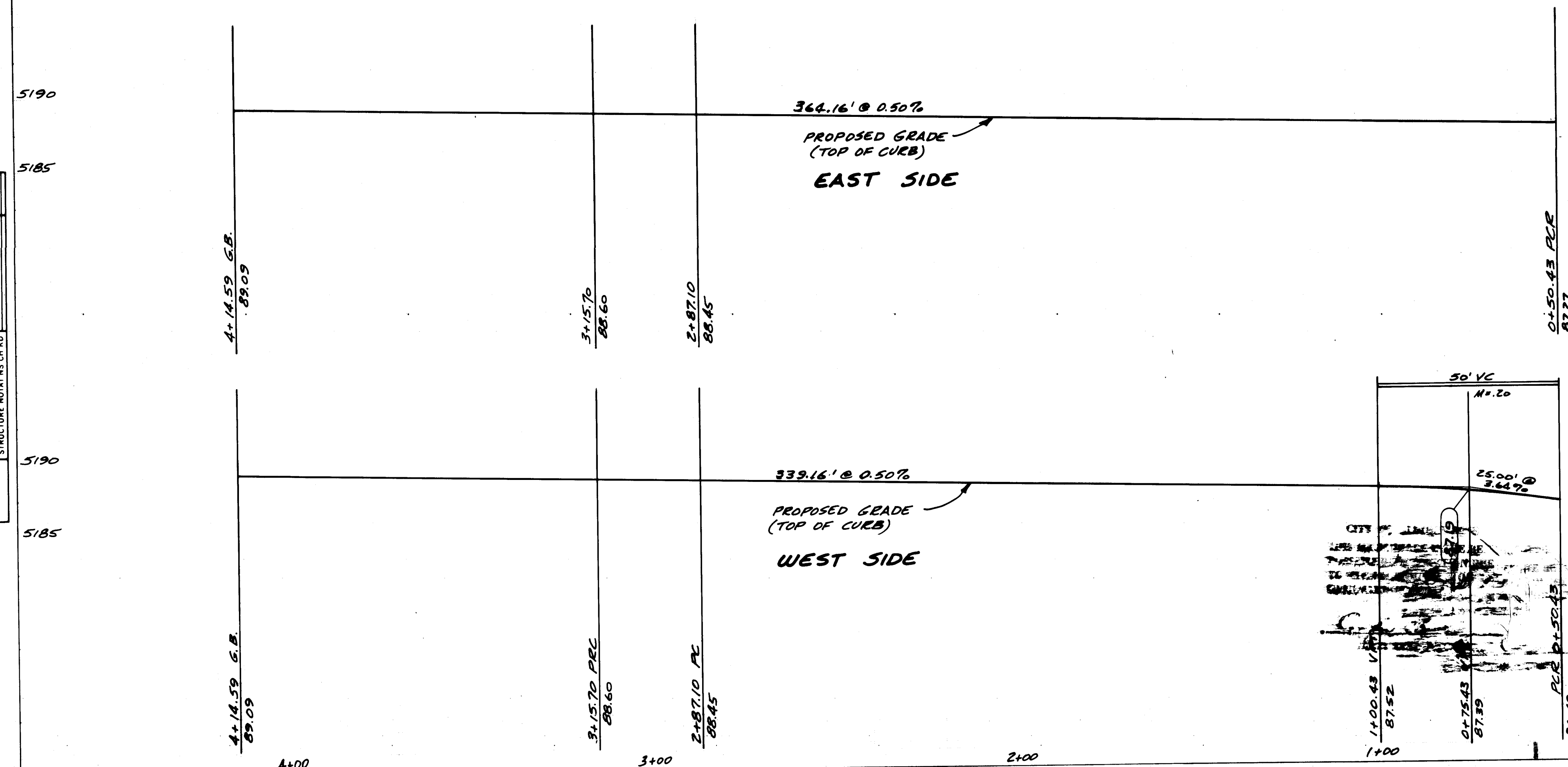
TC ELEV	R ELEV
1 87.29	86.62
2 86.77	86.73
3 87.17	86.84

Δ = 93°41'25"
R = 25'

NOTES:
1) FOR MOUNTABLE CURB TO STANDARD CURB TRANSITION SEE CITY STD DWG P-18-1
2) FOR CONCRETE VALLEY GUTTER SEE CITY STD DWG P-9-1
3) FOR WHEEL CHAIR RAMP SEE CITY STD DWG P-17

TC EL.	R ELEV
1 86.11	85.78
2 85.45	85.41
3 85.71	85.04

Δ = 93°41'25"
R = 25'



5190

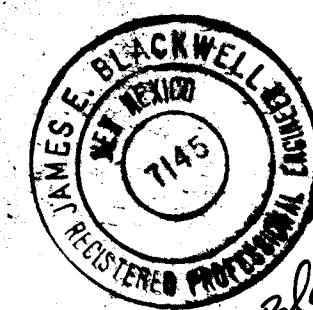
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5190

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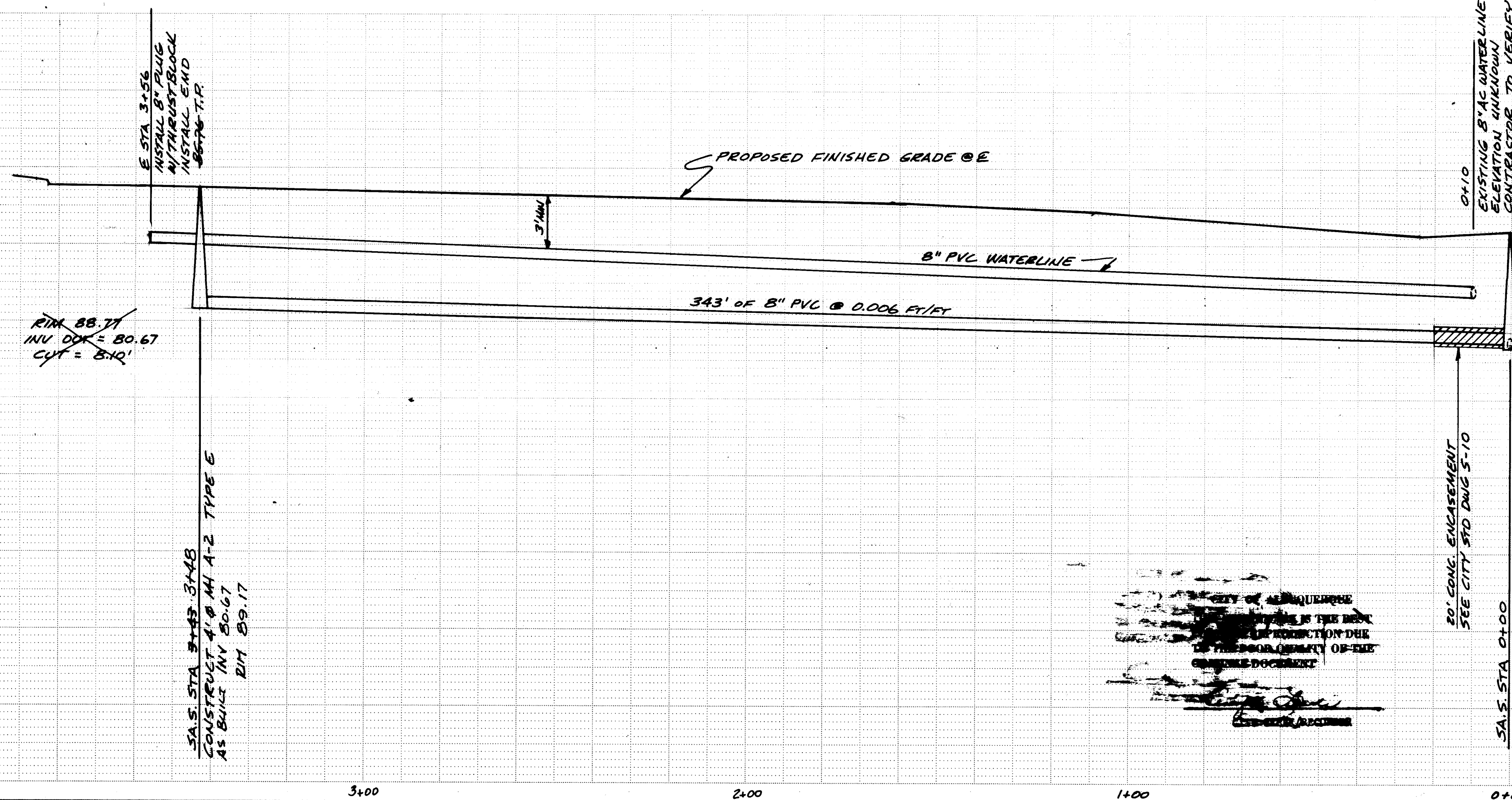
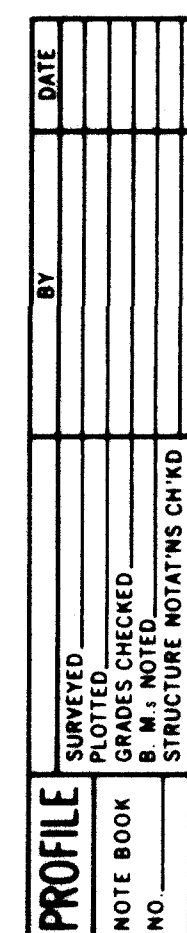
ACADEMY ENGINEERING INC
6363 WYOMING BLVD. NE SUITE 3 ALBUQUERQUE, N.M. 87109 821-8008

PLANS PREPARED UNDER THE DIRECTION OF		CITY OF ALBUQUERQUE ENGINEERING DIVISION	
APPROVED FOR CONSTRUCTION N.A.		TITLE: BRENTWOOD PARK SUB. STREET PLAN AND PROFILE	
APPROVALS	ENGINEER	APPROVALS	ENGINEER
City Engineer	11-15-82	Liquid Waste	11-15-82
ACE Dept	11-15-82	Traffic	11-15-82
ACE Biology	11-15-82	Water	11-15-82
DRAWING NO. 1379		SHEET 4 OF 7	

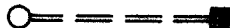


James F. Blackwell
8-22-83
AS-BUILT

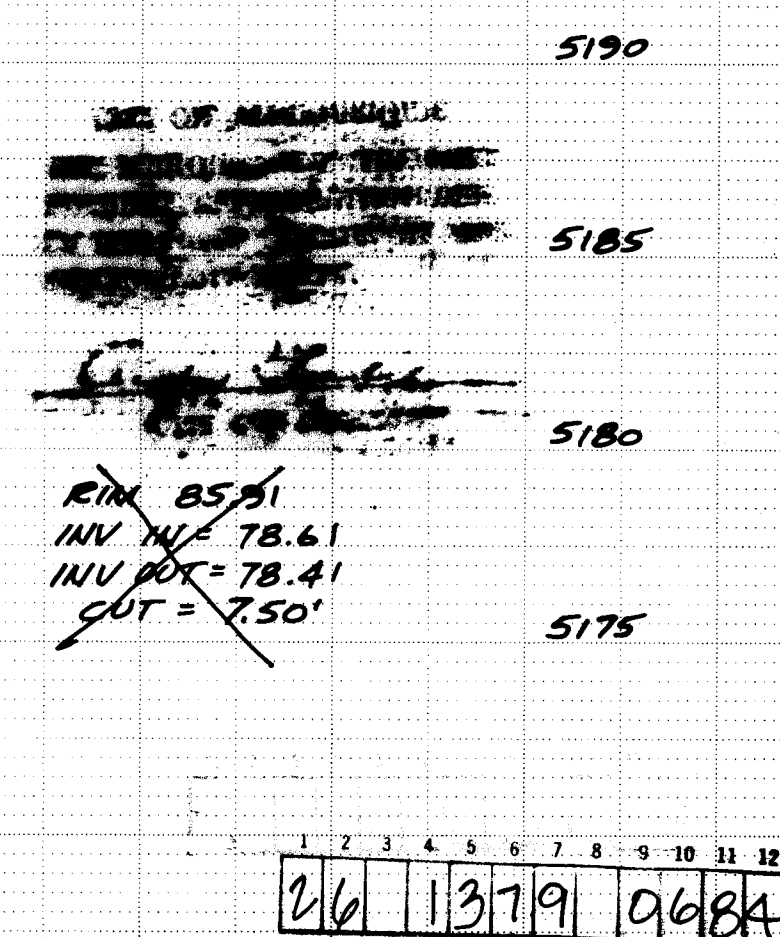
CITY OF ALBUQUERQUE
THIS DRAWING IS THE PROPERTY OF THE CITY OF ALBUQUERQUE
IT IS TO BE USED ONLY FOR THE PROJECT AND LOCATION SPECIFIED HEREON
IT IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE CITY ENGINEER



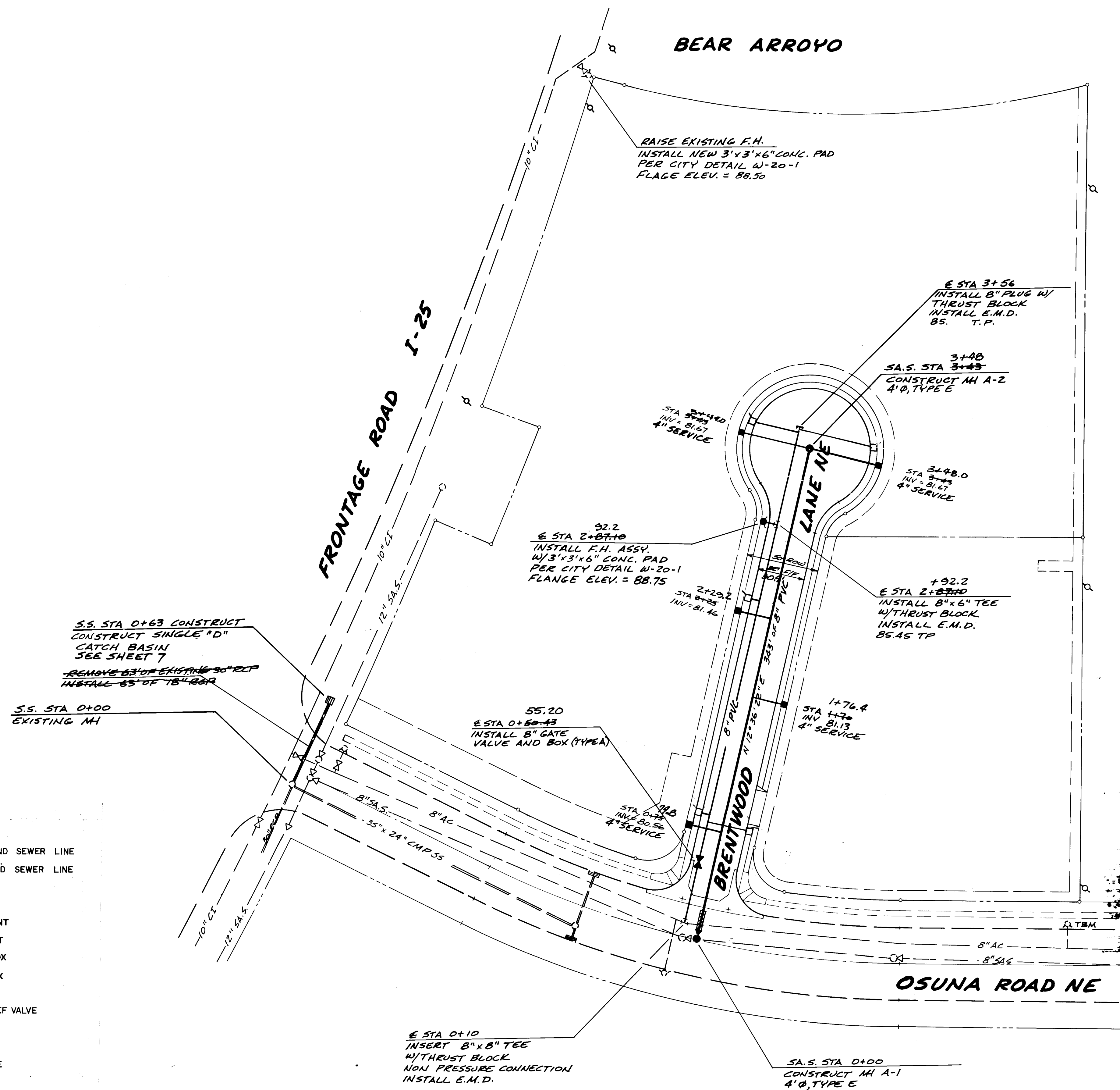
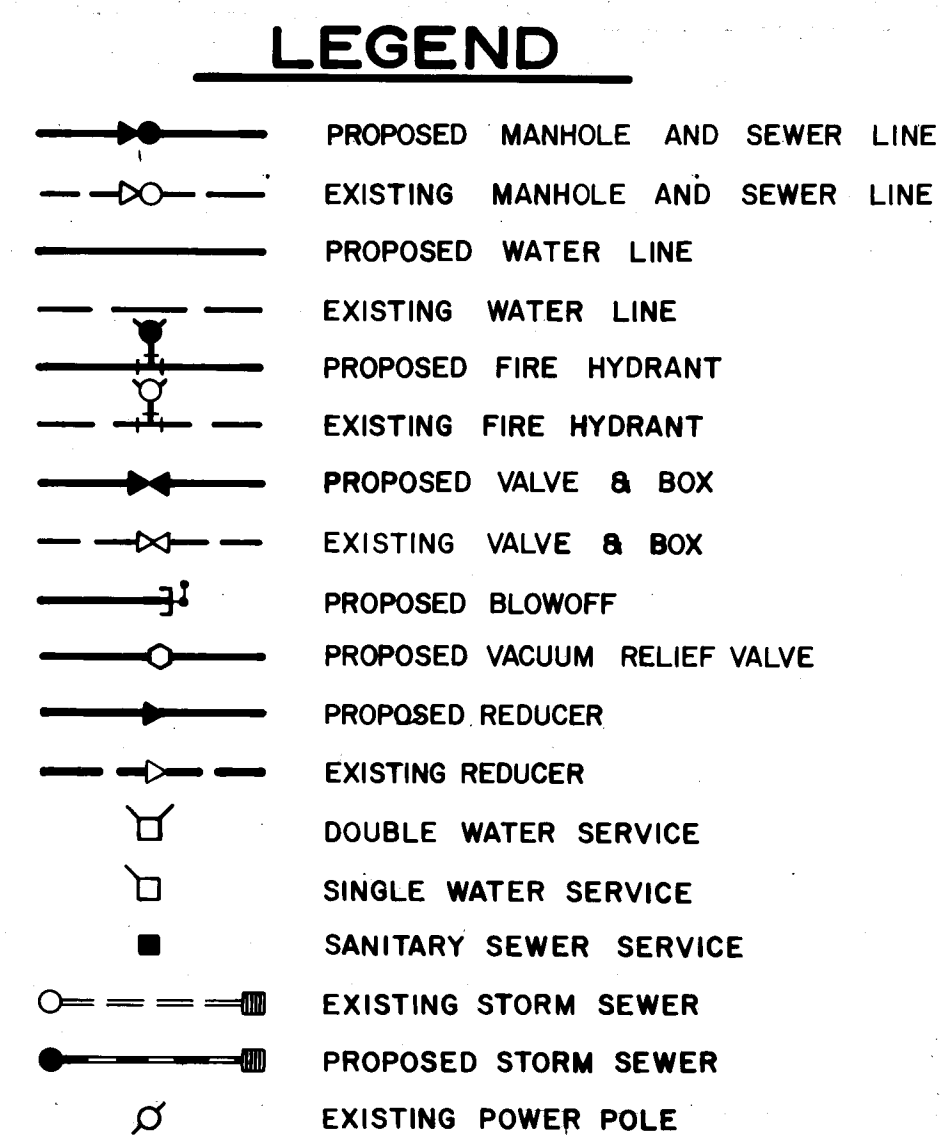
LEGEND

	PROPOSED MANHOLE
	EXISTING MANHOLE
	PROPOSED WATER LINE
	EXISTING WATER LINE
	PROPOSED FIRE HYDRANT
	EXISTING FIRE HYDRANT
	PROPOSED VALVE & BOX
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	PROPOSED VACUUM RELIEF VALVE
	PROPOSED REDUCER
	EXISTING REDUCER
	DOUBLE WATER SERVICE
	SINGLE WATER SERVICE
	SANITARY SEWER SERVICE
	EXISTING STORM SEWER
	PROPOSED STORM SEWER
	EXISTING POWER POLE

NOTE: INSTALL END AT END OF SANITARY SEWER
SERVICE PER CITY DETAIL DWG S-9.



ACADEMY ENGINEERING INC.		CITY OF ALBUQUERQUE		ENGINEERING DIVISION	
5555 WYOMING BLVD. NE SUITE 3 ALBUQUERQUE, N.M. 87109 821-8005		TITLE: BRENTWOOD PARK SUB.		TITLE: WATER - SEWER PLAN AND PROFILE	
PLANS PREPARED UNDER THE DIRECTION OF		APPROVALS		APPROVALS	
		ENGINEER		ENGINEER	
1-14-82		DATE		DATE	
APPROVED FOR CONSTRUCTION		City Engineer <i>[Signature]</i> 1/13/82		Liquid Waste <i>[Signature]</i> 12-17-82	
A.C.E. - Design <i>[Signature]</i>		Traffic <i>[Signature]</i>		A.C.E. - <i>[Signature]</i>	
A.C.E. - Hydrology <i>[Signature]</i>		Water <i>[Signature]</i>		12-17-82	
DRAWING NO. 1379		SHEET 6 OF 7		DESIGNED DRAWN CHECKED	



THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT.

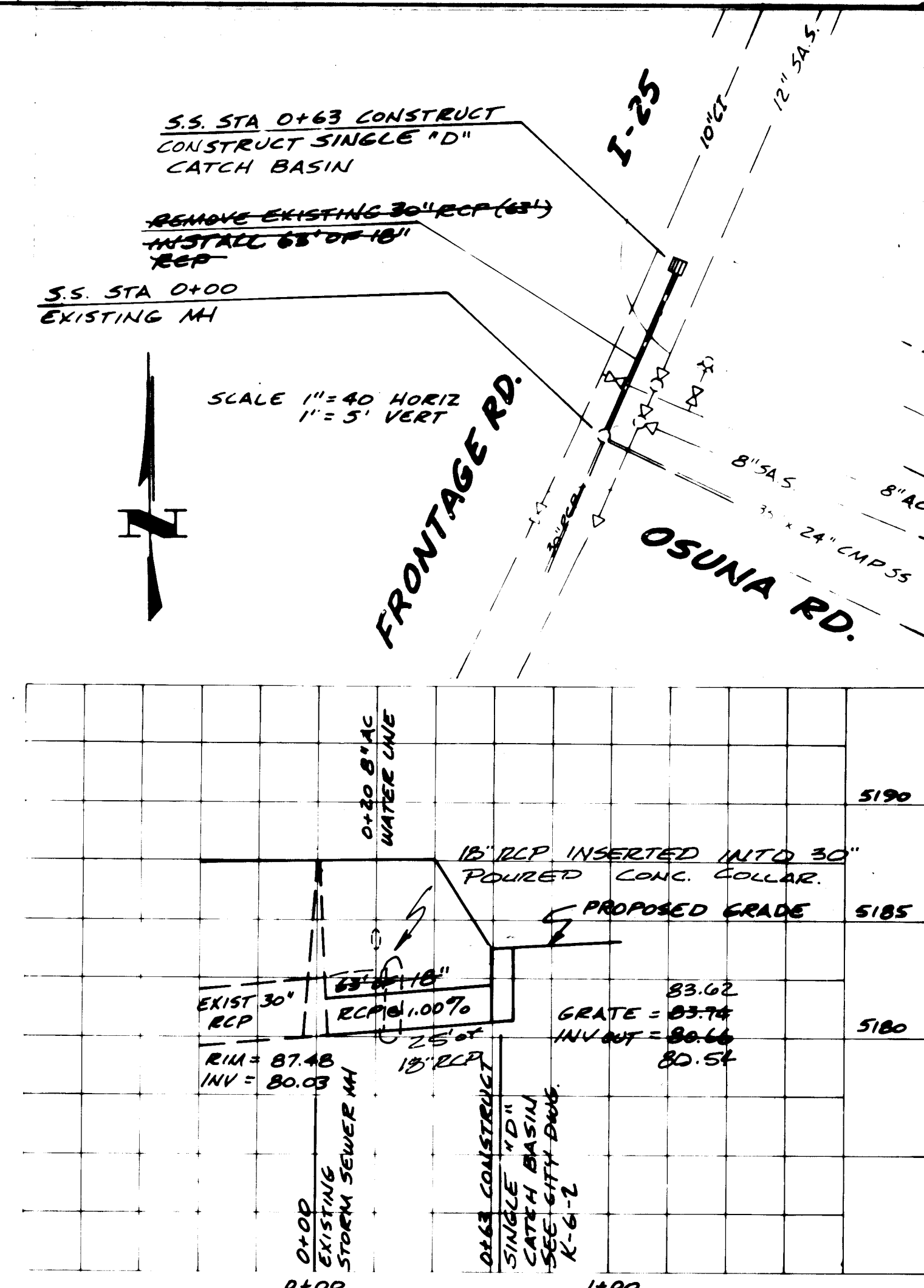



 Jan Blaine
 8-22-83
 AS-BUILT

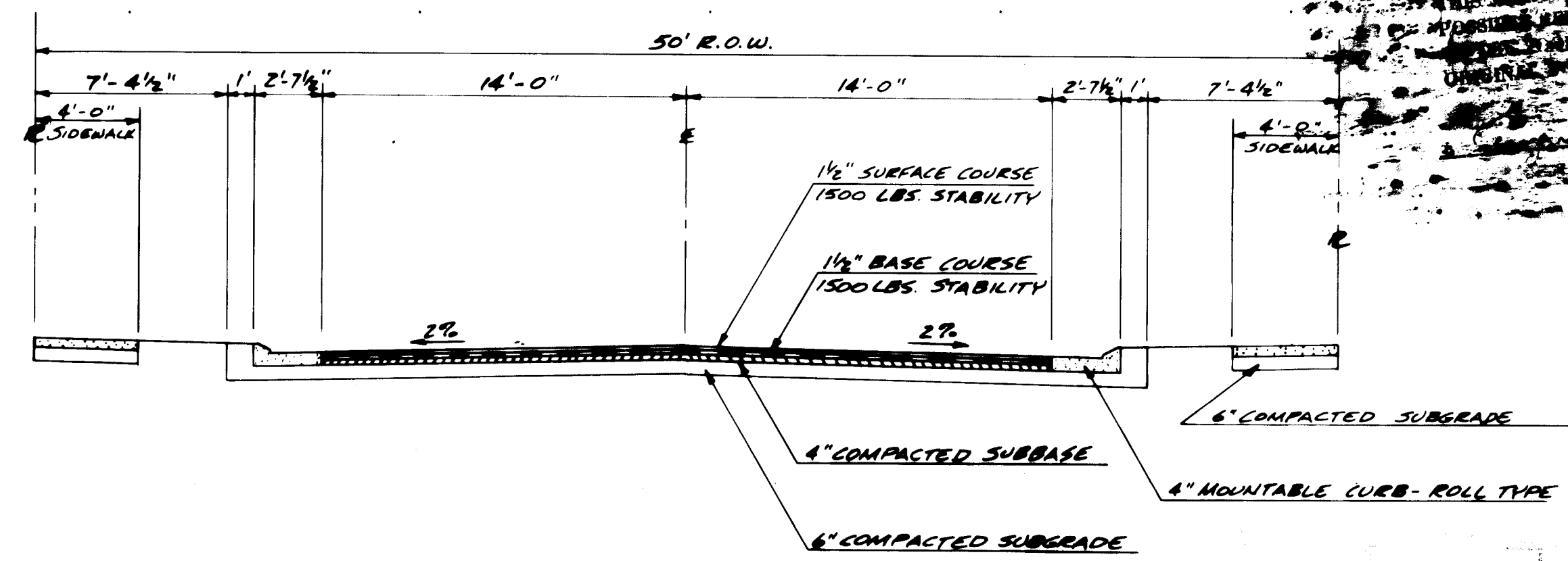
ACADEMY ENGINEERING INC.		DESIGNED BY		DRAWN BY		CHECKED BY	
5353 WYOMING BLVD. NE SUITE 3 ALBUQUERQUE, N.M. 87109 821-8008		NO.		NO.		NO.	

PLANS PREPARED UNDER THE DIRECTION OF 	CITY OF ALBUQUERQUE ENGINEERING DIVISION TITLE: BRENTWOOD PARK SUB OVERALL WATER AND SEWER PLAN <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">APPROVALS</th> <th style="width: 25%;">ENGINEER</th> <th style="width: 25%;">DATE</th> <th style="width: 25%;">APPROVALS</th> <th style="width: 25%;">ENGINEER</th> <th style="width: 25%;">DATE</th> </tr> </thead> <tbody> <tr> <td>City Engineer</td> <td><i>For Howard R. Corp.</i></td> <td>12/30/82</td> <td>Liquid Waste</td> <td><i>N.A. Jones J.</i></td> <td>10-19-82</td> </tr> <tr> <td>A.C.E. - Design</td> <td><i>K. K. K.</i></td> <td>26/10/82</td> <td>Traffic</td> <td><i>N.A. Jones J.</i></td> <td></td> </tr> <tr> <td>A.C.E. - Hydrology</td> <td><i>N.A. 868</i></td> <td>11-15-82</td> <td>Water</td> <td><i>N.A. Jones J.</i></td> <td>11-19-82</td> </tr> </tbody> </table>	APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE	City Engineer	<i>For Howard R. Corp.</i>	12/30/82	Liquid Waste	<i>N.A. Jones J.</i>	10-19-82	A.C.E. - Design	<i>K. K. K.</i>	26/10/82	Traffic	<i>N.A. Jones J.</i>		A.C.E. - Hydrology	<i>N.A. 868</i>	11-15-82	Water	<i>N.A. Jones J.</i>	11-19-82
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE																				
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APPROVED FOR CONSTRUCTION <i>Richard S. Stille</i> 11/2/83 CITY ENGINEER DATE	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">DRAWING NO. 1379</td> <td style="width: 50%;">SHEET 5 OF 7</td> </tr> </table>	DRAWING NO. 1379	SHEET 5 OF 7
DRAWING NO. 1379	SHEET 5 OF 7		



NOTE:
CONTRACTOR MUST SUBMIT A SIGNING AND BARRICADING PLAN AND OBTAIN A BARRICADING PERMIT PRIOR TO BEGINNING WORK IN THE OSUNA INTERSECTION.



STREET CROSS SECTION

NO SCALE

26 1379 0784



8-22-83
AS-BUILT

ACADEMY ENGINEERING INC. 6363 WYOMING BLVD. NE SUITE 3 ALBUQUERQUE N.M. 87109 505-800-0000		CITY OF ALBUQUERQUE ENGINEERING DIVISION	
PLANS PREPARED UNDER THE DIRECTION OF 		TITLE: BRENTWOOD PARK SUB. STORM SEWER DETAILS	
APPROVALS City Engineer A.C.E. - Design A.C.E. - Hydrology	ENGINEER J. Blackwell 8-22-83	APPROVALS Liquid Waste 11-15-83 11-15-83	ENGINEER J. Blackwell 8-22-83
APPROVED FOR CONSTRUCTION J. Blackwell CITY ENGINEER		DRAWING NO. 1379	
DATE		SHEET 7 OF 7	

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		REFERENCES		REVISIONS		DESIGN	
NO.	DATE	NO.	DATE	NO.	DATE	MAP NO.	EST. NO.	NO.	DATE	NO.	DATE
1	8-22-83	1	8-22-83	1	8-22-83	1	1	1	8-22-83	1	8-22-83
CONTRACTOR: J. Blackwell		BENCH MARK: 367-1		FIELD NOTES: 367-1		MAP NO. E-17		NO.		DESIGNED BY: T. WITEK	
DATE: 8-22-83		BENCH MARK: 367-1		FIELD NOTES: 367-1		EST. NO.		NO.		DRAWN BY: T. WITEK	
ACCEPTANCE BY: J. Blackwell		BENCH MARK: 367-1		FIELD NOTES: 367-1		W.O. NO.		NO.		CHECKED BY: J. Blackwell	
DATE: 8-22-83		BENCH MARK: 367-1		FIELD NOTES: 367-1		BY		NO.		DATE: 8-22-83	
REVISIONS		BENCH MARK: 367-1		FIELD NOTES: 367-1		BY		NO.		DATE: 8-22-83	
DATE: 8-22-83		BENCH MARK: 367-1		FIELD NOTES: 367-1		BY		NO.		DATE: 8-22-83	
REVISIONS		BENCH MARK: 367-1		FIELD NOTES: 367-1		BY		NO.		DATE: 8-22-83	
DATE: 8-22-83		BENCH MARK: 367-1		FIELD NOTES: 367-1		BY		NO.		DATE: 8-22-83	