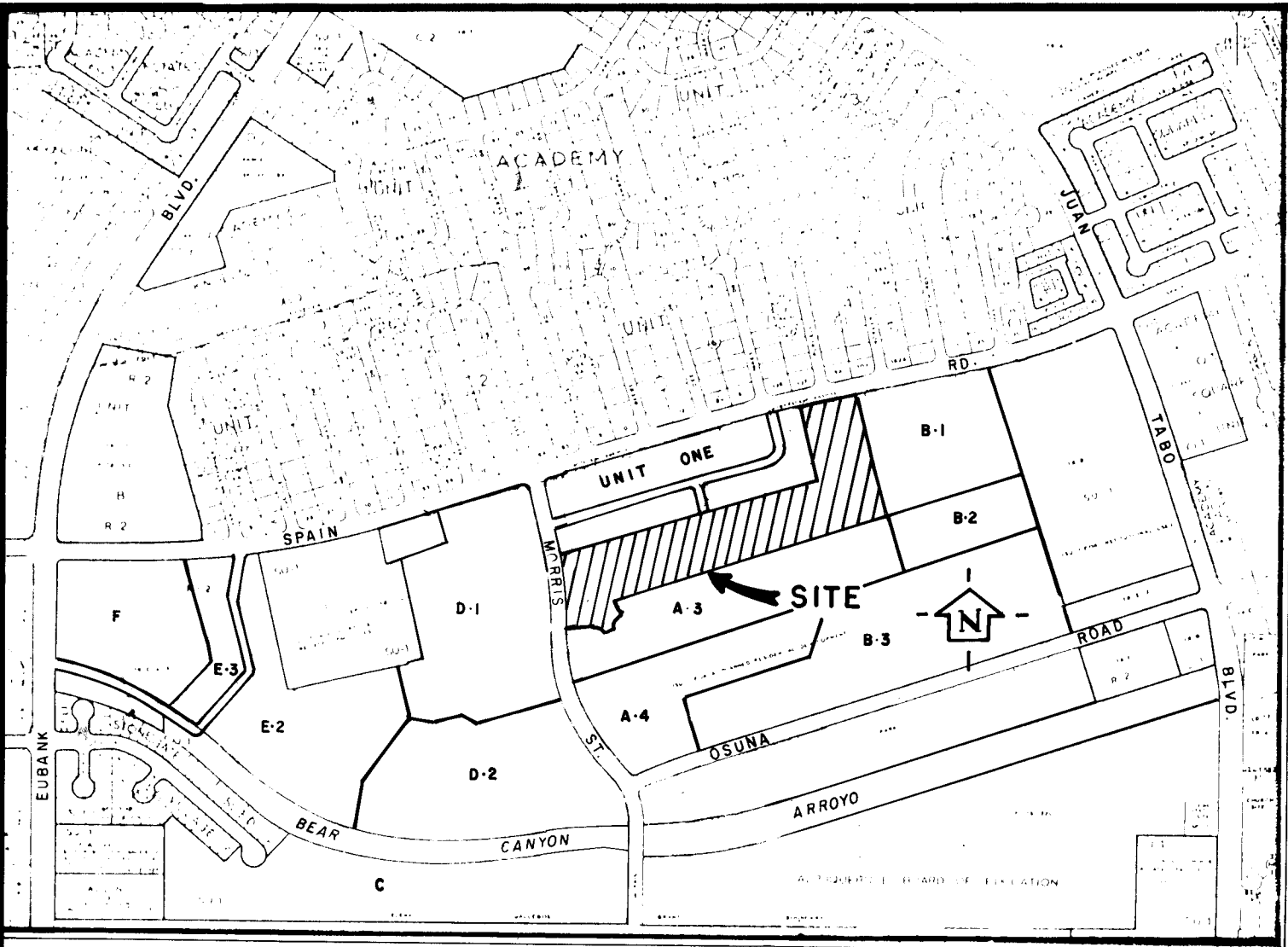




LOCATION MAP
Scale: 1" = 800' approx.

OSO GRANDE UNIT TWO

ALBUQUERQUE, NEW MEXICO

INDEX TO DRAWINGS

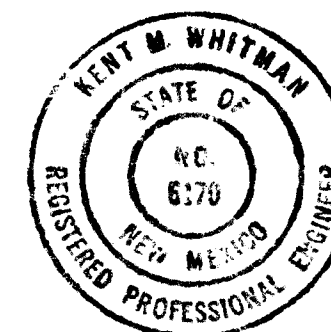
- 1 TITLE SHEET
- 2 PLATS OF GEOMETRY
- 3 GRADING PLAN
- 4 EROSION CONTROL PLAN
- 5 PAVING PLAN AND PROFILE - CASADOR DEL OSO, CUEVA DEL OSO, DEE DRIVE, BEEBE STREET
- 6 PAVING PLAN AND PROFILE - CUEVA DEL OSO, PURCELL DRIVE, DRAINAGE CHANNEL - SECTION
- 7 UTILITY PLAN AND PROFILE - CASADOR DEL OSO, CUEVA DEL OSO, DEE DRIVE, BEEBE STREET
- 8 UTILITY PLAN AND PROFILE - CUEVA DEL OSO, PURCELL DRIVE
- 9 STORM SEWER - PLAN AND PROFILE

NOTICE TO CONTRACTORS

1. All work detailed on these plans to be performed under contract shall, except as otherwise stated or provided for herein, be constructed in accordance with the New Mexico Standard Specifications for Public Works Construction-1979 Edition (referred to herein as the Standard Specifications) and the Contract Documents for City-Wide Utilities and Cash Paving No. 31.
2. Two (2) working days prior to any excavation, the contractor must contact Line Locating Service, 765-1234, for location of existing utilities.
3. 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 minimum amount of delay.

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. (Residential)
- ☐ Sidewalks and wheelchair ramps within the curb returns shall be constructed wherever a new curb return is constructed.
- ☐ If curb is depressed for a driveway or a handicap ramp, the driveway or ramp shall be constructed prior to acceptance of the curb and gutter.
- ☒ All storm drainage facilities shall be completed prior to final acceptance.
- ☒ Sidewalk to be constructed at a later date.
- ☒ Wheelchair ramps to be constructed under this contract from PC to PT of curb returns.

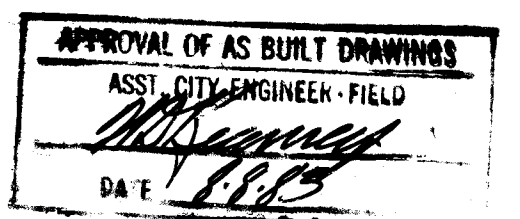


Richard S. Heller
RICHARD S. HELLER, CITY ENGINEER

Kent M. Whitman
KENT M. WHITMAN, P.E.

2/11/83
DATE

2/9/82
DATE



26 1395 0183

1 of 9

DATE	feb. 7, 1982
SCALE	none
DESIGNED	K.M.W.
DRAWN	W.J.W.
JOB NO.	78-18-025
LAND PLANNING	ENGINEERING
PO Box 1328	Corralitos, New Mexico 87014

community sciences corporation

1395

MONUMENTS ARE IDENTIFIED BY FOLLOWING SYMBOLS

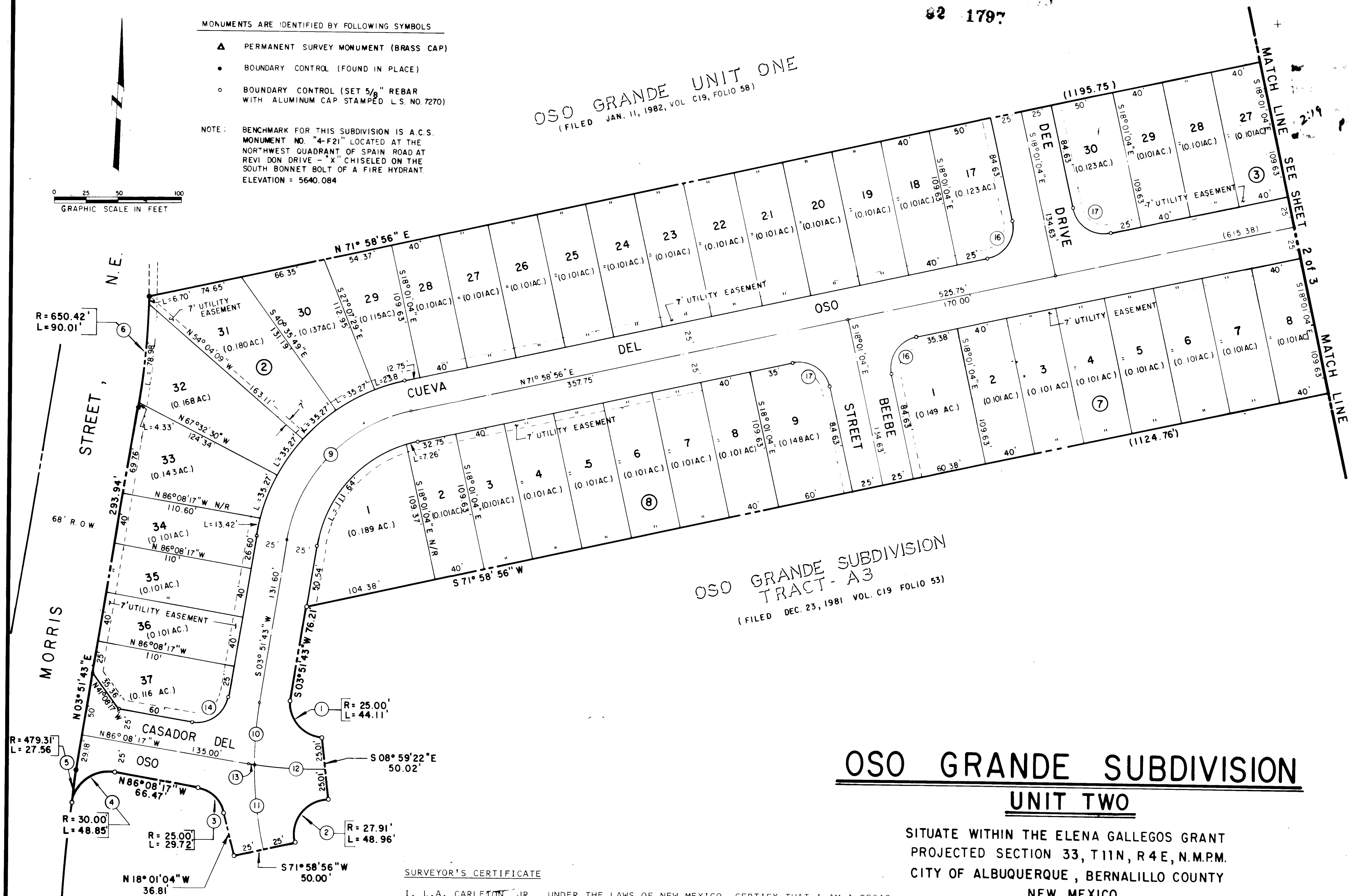
- ▲ PERMANENT SURVEY MONUMENT (BRASS CAP)
- BOUNDARY CONTROL (FOUND IN PLACE)
- BOUNDARY CONTROL (SET 5/8" REBAR WITH ALUMINUM CAP STAMPED L.S. NO. 7270)

NOTE: BENCHMARK FOR THIS SUBDIVISION IS A.C.S. MONUMENT NO. "4-F2" LOCATED AT THE NORTHWEST QUADRANT OF SPAIN ROAD AT REVI DON DRIVE - "X" CHISELED ON THE SOUTH BONNET BOLT OF A FIRE HYDRANT. ELEVATION = 5640.084

GRAPHIC SCALE IN FEET

OSO GRANDE UNIT ONE

(FILED JAN. 11, 1982, VOL. C19, FOLIO 58)



OSO GRANDE SUBDIVISION TRACT A-3

(FILED DEC. 23, 1981 VOL. C19 FOLIO 53)

OSO GRANDE SUBDIVISION UNIT TWO

SITUATE WITHIN THE ELENA GALLEGOS GRANT
PROJECTED SECTION 33, T11N, R4E, N.M.P.M.
CITY OF ALBUQUERQUE, BERNALILLO COUNTY
NEW MEXICO
DECEMBER, 1981

SURVEYOR'S CERTIFICATE

I, L.A. CARLETON, JR., UNDER THE LAWS OF NEW MEXICO, CERTIFY THAT I AM A REGISTERED LAND SURVEYOR AND THAT THIS PLAT WAS PREPARED BY ME OR UNDER MY SUPERVISION, SHOWS ALL EASEMENTS OF RECORD, MEETS THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEY OF THE ALBUQUERQUE SUBDIVISION ORDINANCE, AND IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

COMMUNITY SCIENCES CORPORATION

L.A. Carleton, Jr.
L.A. CARLETON, JR. N.M.L.S. #7270

12/18/81
DATE

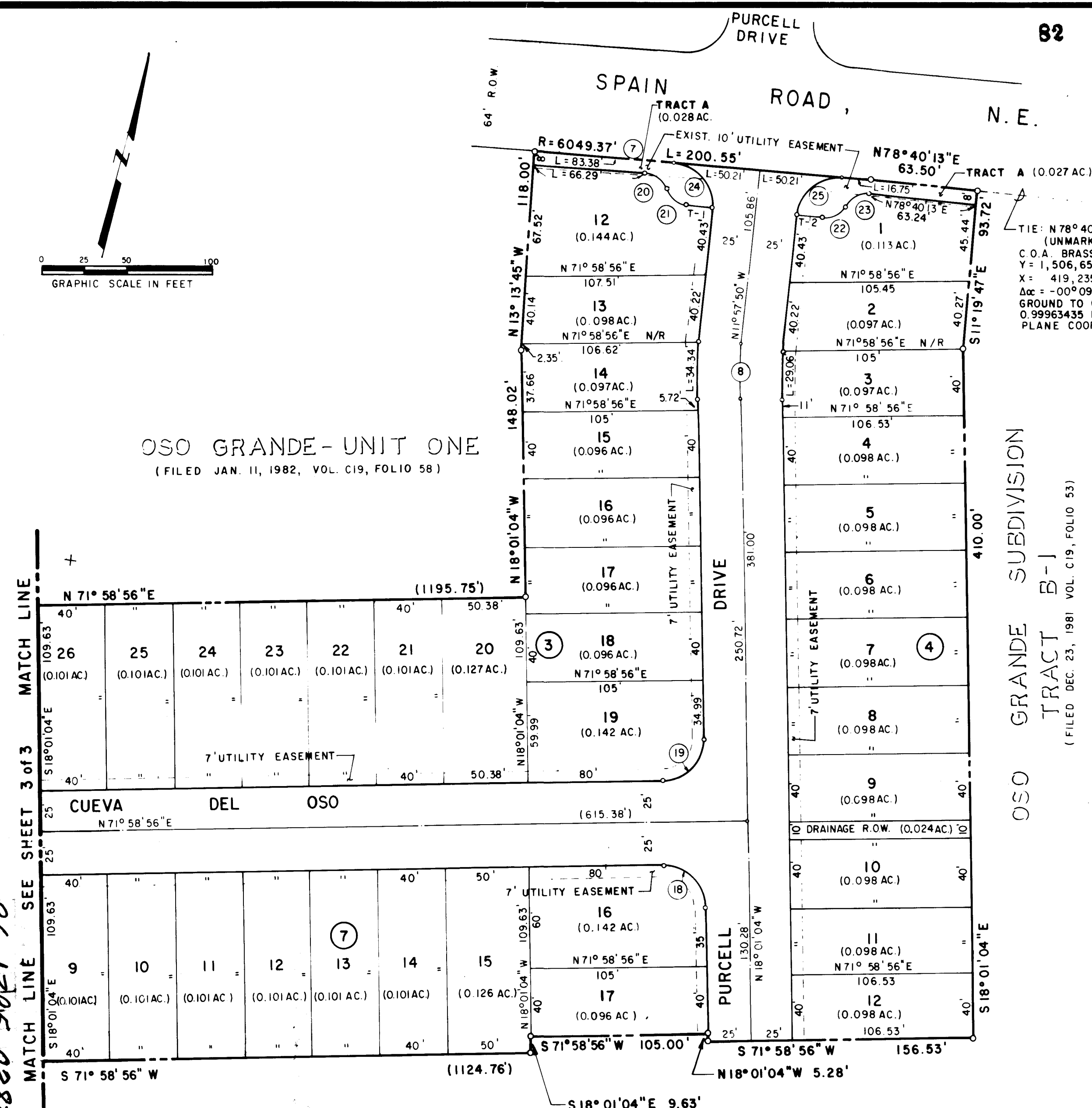


Sheet 3 of 3

DATE DEC. 1981
SCALE 1" = 50'
DESIGNED C.S.C.
DRAWN W.J.W.
JOB NO. 78-18-025

OSO GRANDE SUBDIVISION UNIT TWO

SITUATE WITHIN THE ELENA GALLEGOS GRANT
PROJECTED SECTION 33, T11N, R4E, N.M.P.M.
CITY OF ALBUQUERQUE, BERNALILLO COUNTY
NEW MEXICO
DECEMBER, 1981



OSO GRANDE-UNIT ONE

(FILED JAN. 11, 1982, VOL. C19, FOLIO 58)

OSO GRANDE SUBDIVISION TRACT B-1

(FILED DEC. 23, 1981 VOL. C19, FOLIO 53)

TIE: N 78° 40' 13" E, 189.70' (UNMARKED)
C.O.A. BRASS CAP "06-3"
Y = 1,506,653.83
X = 419,235.14
AR = 1.0000918
GROUND TO GRID FACTOR = 0.99963435 N.M. STATE PLANE COOR. CENTRAL ZONE

CURVE DATA						
NO.	RADIUS	DELTA	ARC	TANGENT	CHORD BEARING	CHORD
1	25.00	101° 15' 15"	44.11	30.38	N 46° 40' 54" W	38.61
2	27.91	100° 51' 44"	48.96	33.57	N 32° 14' 48" E	42.92
3	25.00	068° 07' 13"	29.72	16.90	S 52° 04' 41" E	28.00
4	30.00	093° 17' 38"	48.85	31.78	N 47° 12' 54" E	43.63
5	479.31	003° 17' 38"	27.56	13.78	N 02° 12' 54" E	27.55
6	650.42	007° 55' 45"	90.01	45.08	S 00° 08' 09" E	89.94
7	6049.37	001° 55' 58"	200.55	100.28	N 77° 43' 14" E	200.54
8	310.00	006° 03' 14"	31.70	15.86	N 14° 59' 27" W	31.68
9	125.00	068° 07' 13"	148.62	84.50	N 37° 55' 19" E	140.02
10	310.00	009° 16' 37"	50.19	25.15	N 00° 46' 35" W	50.14
11	310.00	012° 36' 11"	68.19	34.23	N 11° 42' 59" W	68.05
12	310.00	010° 28' 54"	56.71	28.44	S 87° 52' 18" W	56.63
13	310.00	000° 44' 58"	4.06	2.03	N 86° 30' 46" W	4.06
14	25.00	090° 00' 00"	39.27	25.00	S 48° 51' 43" W	35.36
15						
16	25.00	090° 00' 00"	39.27	25.00	S 26° 58' 56" W	35.36
17	25.00	090° 00' 00"	39.27	25.00	N 63° 01' 04" W	35.36
18	25.00	090° 00' 00"	39.27	25.00	S 63° 01' 04" E	35.36
19	25.00	090° 00' 00"	39.27	25.00	S 26° 58' 56" W	35.36
20	15.00	064° 36' 30"	16.91	9.48	S 70° 17' 47" E	16.03
21	15.00	063° 58' 18"	16.75	9.37	N 64° 58' 41" W	15.89
22	15.00	063° 58' 18"	16.75	9.37	S 46° 03' 01" W	15.89
23	15.00	064° 36' 30"	16.91	9.48	N 46° 22' 07" E	16.03
24	25.00	090° 28' 32"	39.48	25.21	S 77° 12' 06" E	35.50
25	25.00	090° 28' 32"	39.48	25.21	N 33° 16' 26" E	35.50

TANGENT DATA		
NO.	BEARING	DISTANCE
T-1	N 78° 02' 10" E	15.00
T-2	N 78° 02' 10" E	15.00

NOTES:

- BEARINGS SHOWN HEREON ARE BASED ON NEW MEXICO STATE PLANE COORDINATE GRID, CENTRAL ZONE. ALL DISTANCES SHOWN ARE GROUND DISTANCES.
- UNLESS OTHERWISE INDICATED, LOT LINES ARE PERPENDICULAR OR RADIAL TO STREET LINES.
- N/R INDICATES NON-RADIAL.
- ALL DIMENSIONS ALONG CURVED LINES ARE MEASURED ALONG THE ARC.
- BLOCK CORNER RETURNS HAVE A RADIUS OF 25 FEET AND AN ARC LENGTH OF 39.27 FEET UNLESS OTHERWISE INDICATED.
- UTILITY EASEMENTS ARE 7 FEET IN WIDTH AT ALL LOCATIONS UNLESS OTHERWISE NOTED.

OSO GRANDE SUBDIVISION TRACT A-3

(FILED DEC. 23, 1981 VOL. C19 FOLIO 53)

SURVEYOR'S CERTIFICATE

I, L.A. CARLETON, JR., UNDER THE LAWS OF NEW MEXICO, CERTIFY THAT I AM A REGISTERED LAND SURVEYOR AND THAT THIS PLAT WAS PREPARED BY ME OR UNDER MY SUPERVISION, SHOWS ALL EASEMENTS OF RECORD, MEETS THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEY OF THE ALBUQUERQUE SUBDIVISION ORDINANCE, AND IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

COMMUNITY SCIENCES CORPORATION

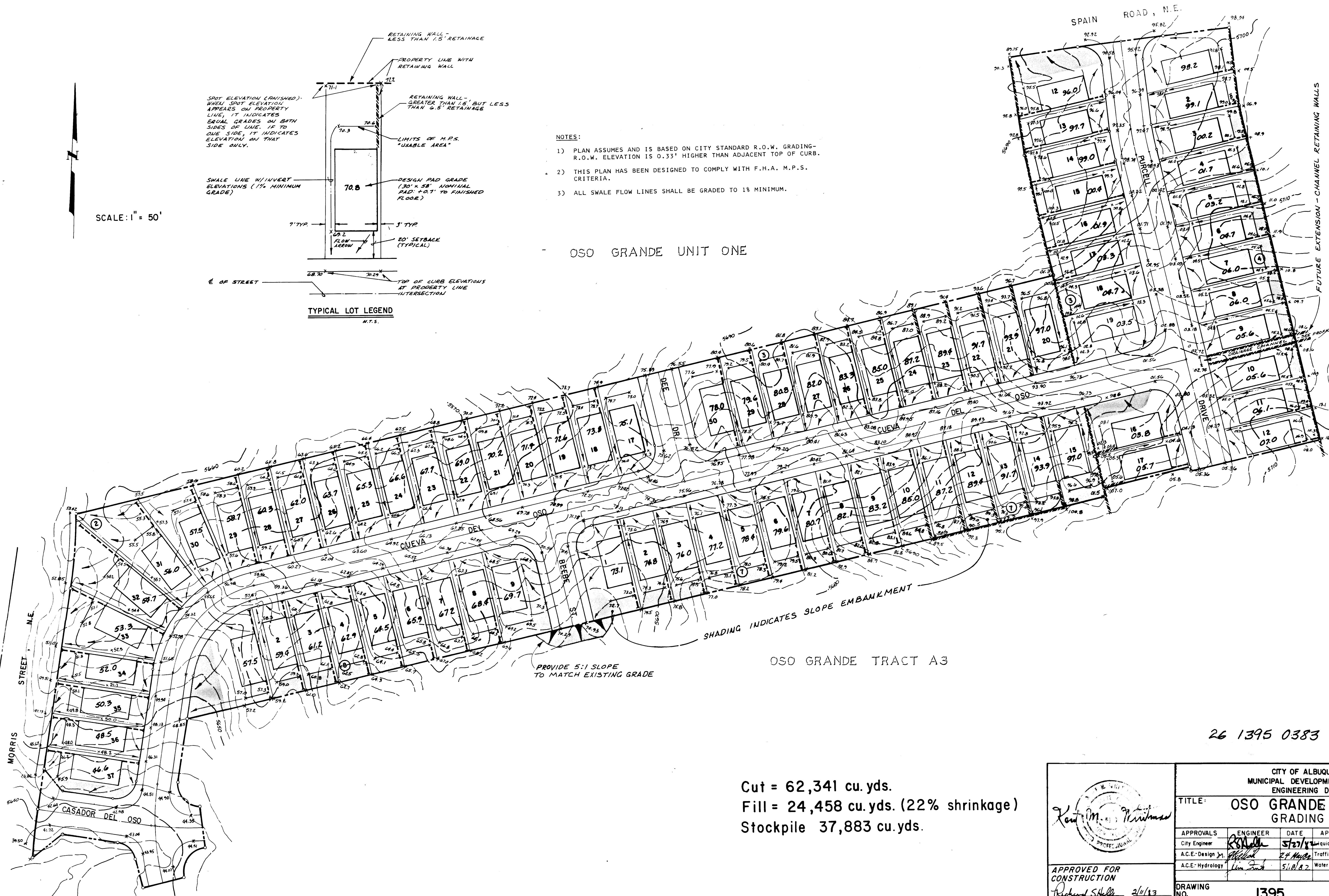
L.A. Carleton, Jr.
L.A. CARLETON, JR. N.M.L.S. NO. 7270

12/18/81
DATE

Sheet 2 of 3

DATE DEC. 1981
SCALE 1" = 50'
DESIGNED C.S.C.
DRAWN W.J.W.
JOB NO. 78-18-025

COMMUNITY SCIENCES CORPORATION



Cut = 62,341 cu.yds.
Fill = 24,458 cu.yds. (22% shrinkage)
Stockpile 37,883 cu.yds.

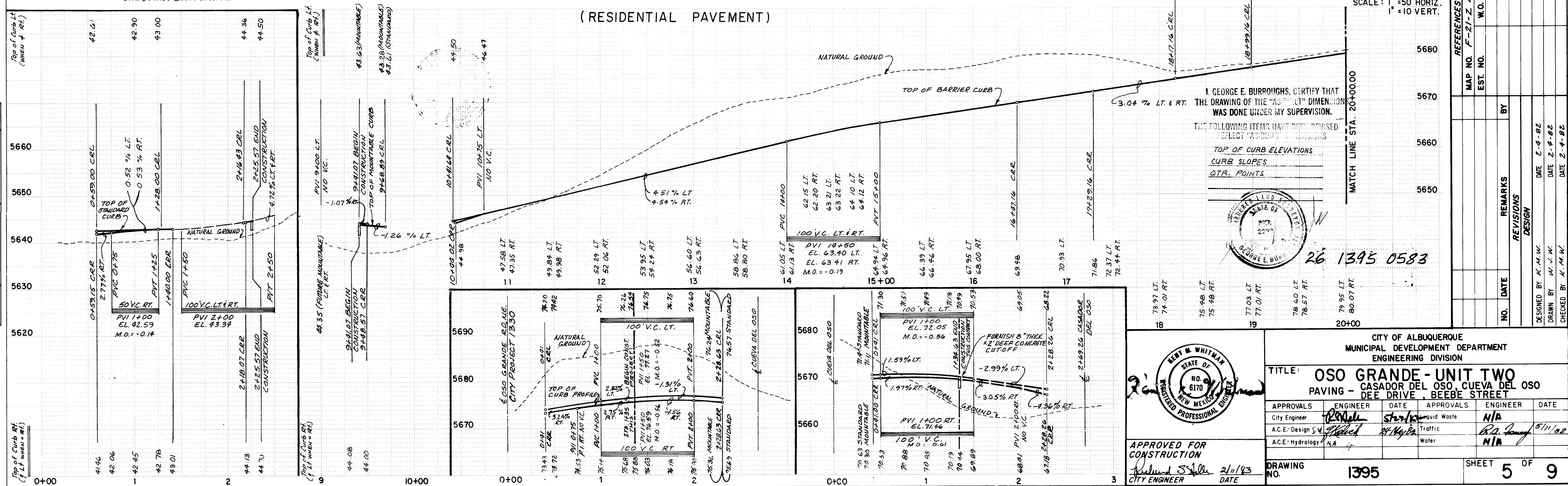
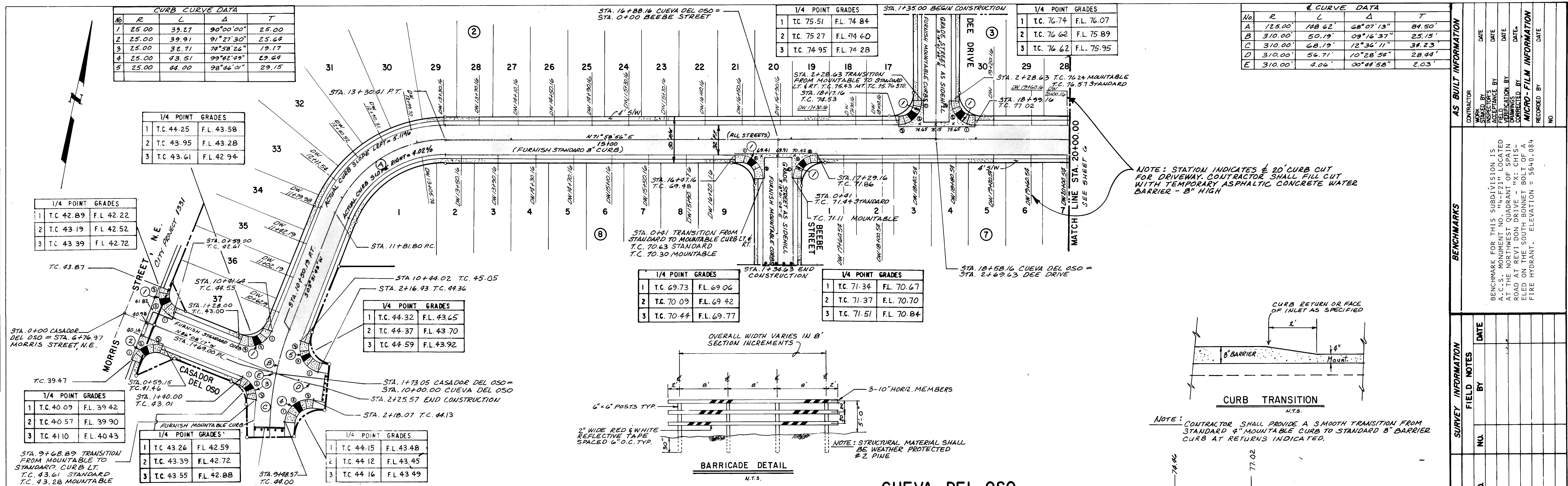
					
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: OSO GRANDE-UNIT TWO GRADING PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	5/23/83	liquid Waste	N/A	
A.C.E.-Design	<i>[Signature]</i>	24 May 83	Traffic	N.A. BPP	
A.C.E.-Hydrology	<i>[Signature]</i>	5/18/83	Water	N/B	
DRAWING NO. 1395			SHEET 3 OF 9		

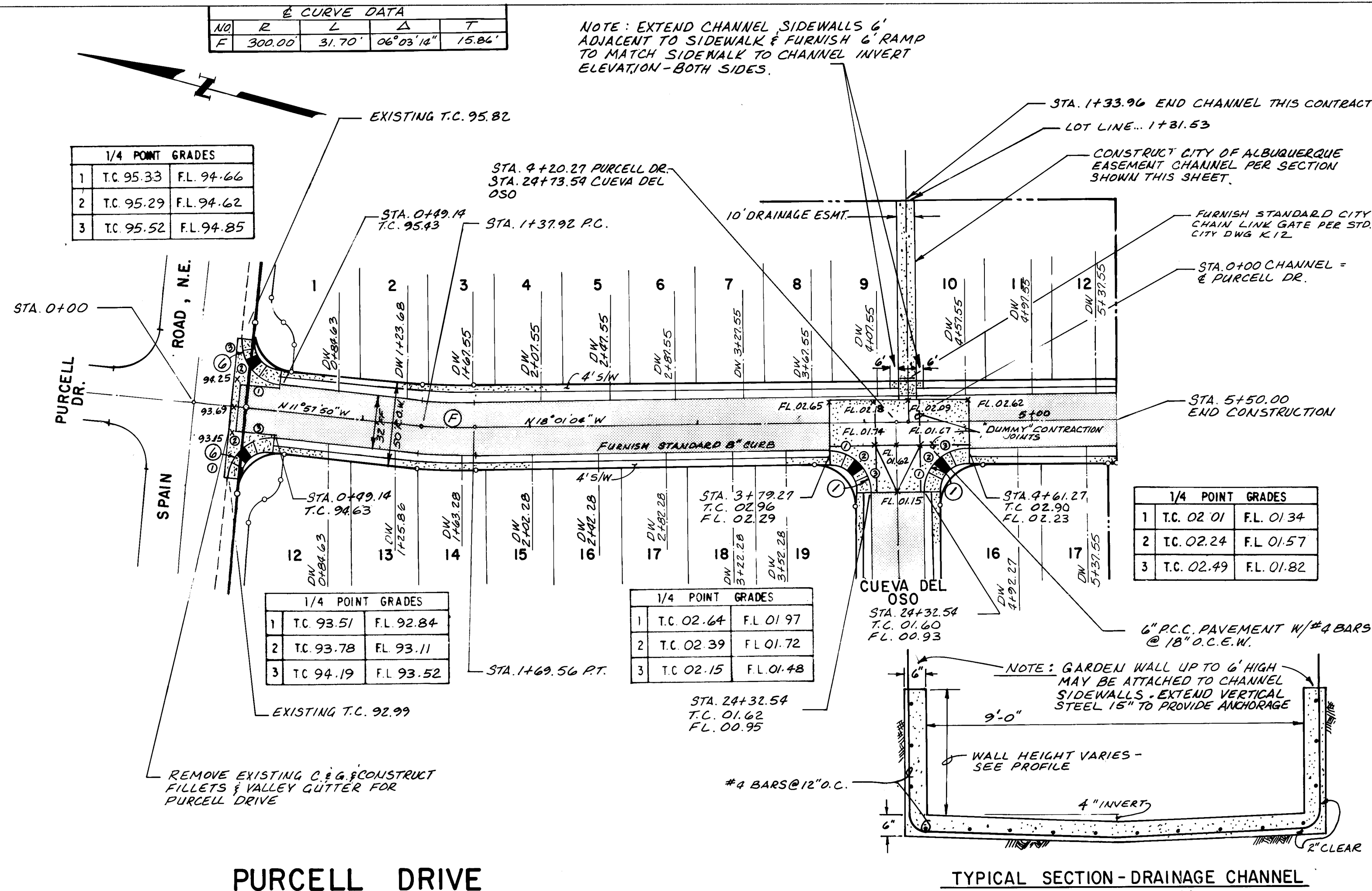
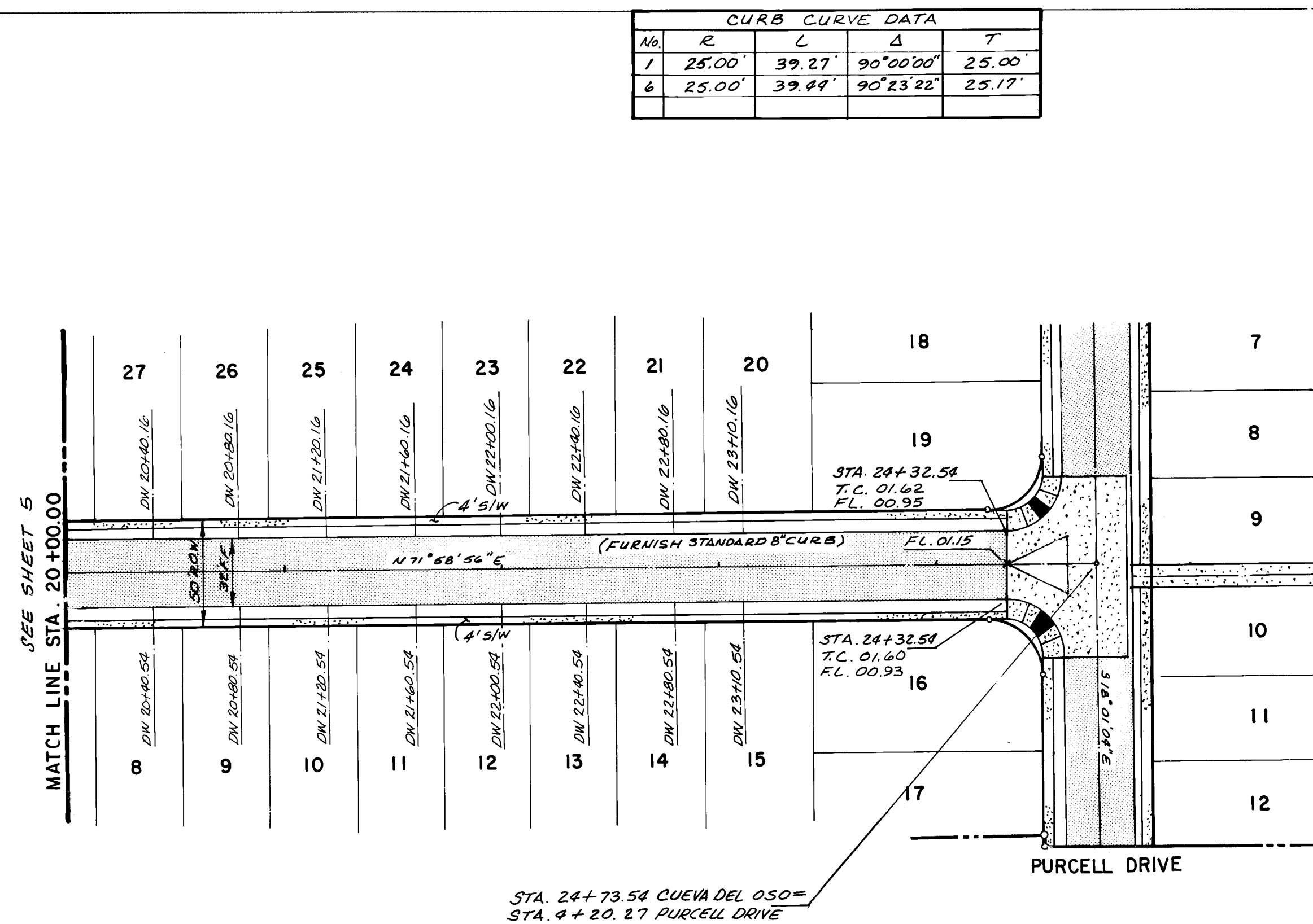
APPROVED FOR CONSTRUCTION
[Signature] 2/11/83
CITY ENGINEER DATE

REVISIONS
DESIGN
BY K.M.W. DATE
CHECKED BY K.M.W. DATE

AS BUILT INFORMATION			BENCHMARKS			SURVEY INFORMATION			REFERENCES			REMARKS		
CONTRACTOR	DATE	NO.	WORK	DATE	NO.	MAP NO.	EST. NO.	W.O. NO.	NO.	BY	DATE	NO.	DATE	BY
WORK	DATE	NO.	ACCEPTANCE BY	DATE	NO.	F-21-2								
FIELD	DATE	NO.	REVISIONS	DATE	NO.									
DRAWINGS	DATE	NO.	DESIGN	DATE	NO.									
CORRECTED BY	DATE	NO.												
MICRO-FILM INFORMATION	DATE	NO.												
RECORDED BY	DATE	NO.												

BENCHMARK FOR THIS SUBDIVISION IS
1. CITY NORTH QUADRANT OF SPAIN
ROAD AT REV. DON DRIVE = "X" CHS-
ELED ON THE SOUTH BONNET BOLT OF A
FIRE HYDRANT. ELEVATION = 5640.084





CUEVA DEL OSO

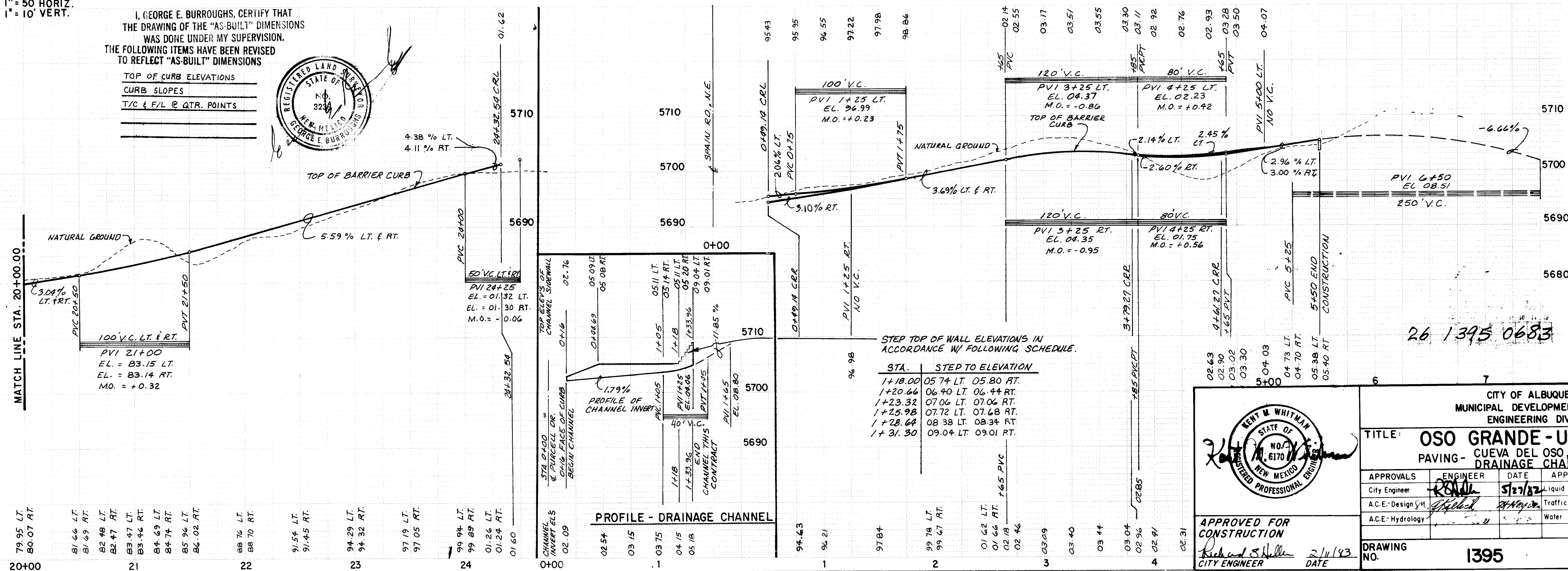
(RESIDENTIAL PAVEMENT)

PURCELL DRIVE

SCALE: 1" = 50' HORIZ
1" = 10' VERT.

I, GEORGE E. BURROUGHS, CERTIFY THAT
THE DRAWING OF THE "AS-BUILT" DIMENSIONS
WAS DONE UNDER MY SUPERVISION.
THE FOLLOWING ITEMS HAVE BEEN REVISED
TO REFLECT "AS-BUILT" DIMENSIONS

TOP OF CURB ELEVATIONS
CURB SLOPES
T/C & F/L @ QTR. POINTS



- STEP TOP OF WALL ELEVATIONS IN ACCORDANCE W/ FOLLOWING SCHEDULE

STA.	STEP TO ELEVATION
1+18.00	05 74 LT. 05.80 RT.
1+20.66	06 40 LT. 06.44 RT.
1+23.32	07 06 LT. 07.06 RT.
1+25.98	07 72 LT. 07.68 RT.
1+28.64	08 38 LT. 08.34 RT.
1+31.30	09 04 LT. 09.01 RT.

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **OSO GRANDE - UNIT TWO**
PAVING- CUEVA DEL OSO, PURCELL DRIVE
DRAINAGE CHANNEL - SECTION

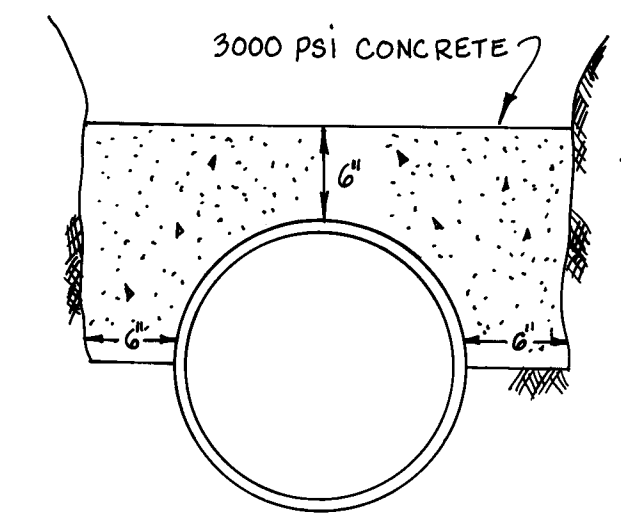
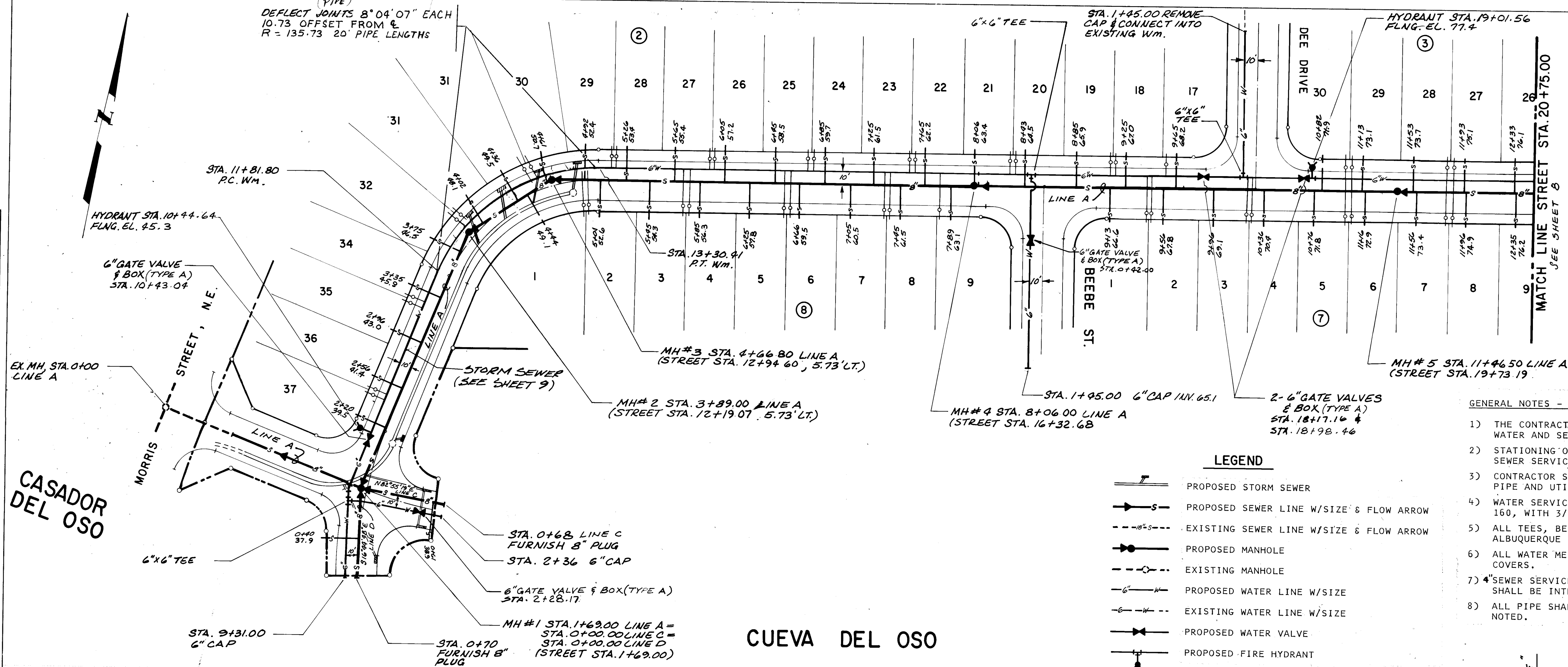
DRAINAGE CHANNEL SECTION					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>R. S. [Signature]</i>	5/21/82	Liquid Waste	N/A	
A.C.E-Design Svt.	<i>[Signature]</i>	8/4/82	Traffic	<i>R. S. [Signature]</i>	5/11
A.C.E-Hydrology			Water	N/A	

DRAWING NO.	1395	SHEET	6	OF	9
----------------	------	-------	---	----	---

PLAN	DATE	BY
DESIGNED		
CHECKED		
NOTED		
NO.		

CASADOR DEL OSO

PROFILE	DATE	BY
DESIGNED		
CHECKED		
NOTED		
NO.		

CONCRETE PIPE CAP DETAIL
n.t.s.

NOTE: CONCRETE SHALL EXTEND 5' TO EITHER SIDE OF OVERPASSING PIPE.

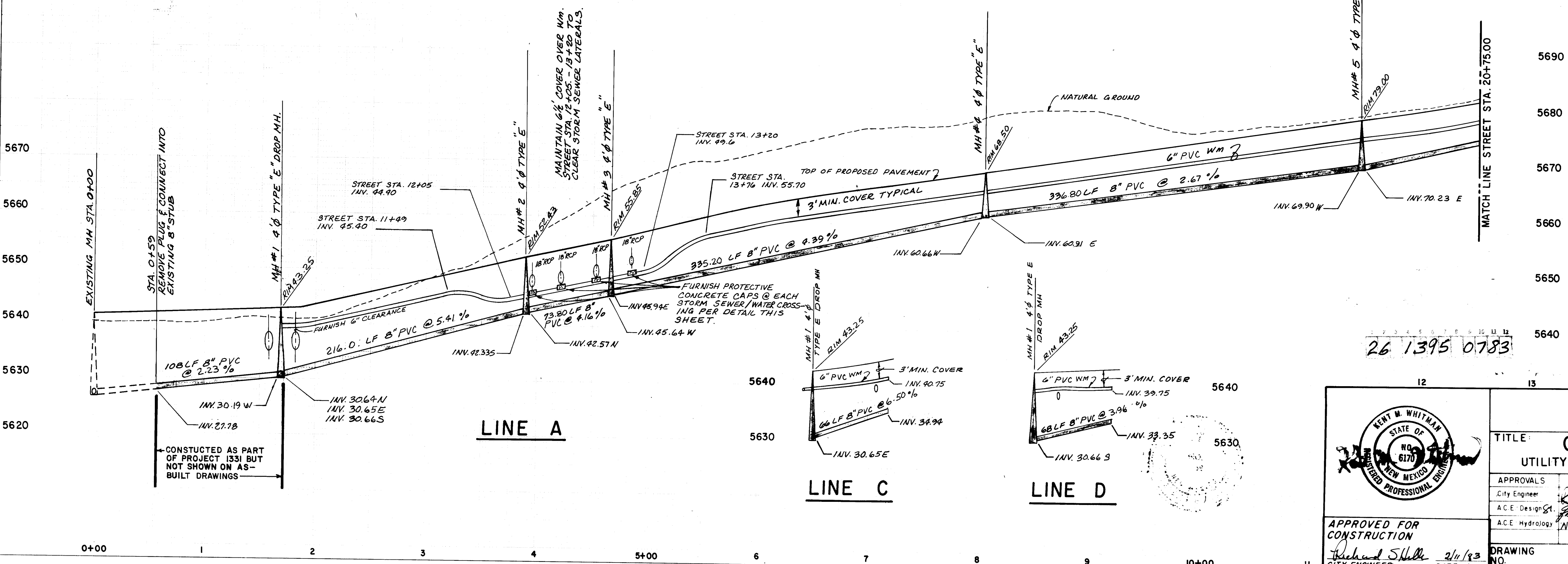
LEGEND

- PROPOSED STORM SEWER
- PROPOSED SEWER LINE W/SIZE & FLOW ARROW
- EXISTING SEWER LINE W/SIZE & FLOW ARROW
- PROPOSED MANHOLE
- EXISTING MANHOLE
- PROPOSED WATER LINE W/SIZE
- EXISTING WATER LINE W/SIZE
- PROPOSED WATER VALVE
- PROPOSED FIRE HYDRANT

GENERAL NOTES - ALL UTILITY SHEETS

- THE CONTRACTOR SHALL FURNISH EMBOSSED END OF SEWER SERVICE STUBS, AND ALL WATER AND SEWER MAIN STUBS, CAPS AND PLUGS.
- STATIONING ON WATERMAIN REFERS TO STREET CENTERLINE. STATIONING ON SEWER SERVICES REFERS TO SEWER CENTERLINE STATIONS.
- CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND ELEVATIONS OF ALL EXISTING PIPE AND UTILITIES PRIOR TO CONSTRUCTION.
- WATER SERVICES SHALL BE 3/4" DIAMETER SDR-7 POLYETHYLENE TUBING, CLASS 160, WITH 3/4" METERS.
- ALL TEES, BENDS AND CAPS SHALL BE BLOCKED ACCORDING TO CITY OF ALBUQUERQUE STANDARDS.
- ALL WATER METER BOXES SHALL BE FURNISHED WITH HEAVY DUTY VEHICLE-PROOF COVERS.
- SEWER SERVICE STUB LOCATIONS AND ELEVATIONS SHOWN ON THE PLAN SHEETS SHALL BE INTERPRETED AS OCCURRING 2' BEYOND FRONT PROPERTY LINES.
- ALL PIPE SHALL BE FURNISHED WITH CLASS "C" BEDDING UNLESS OTHERWISE NOTED.

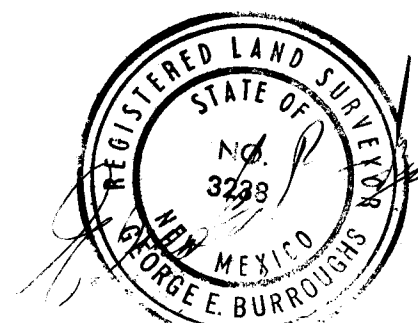
CUEVA DEL OSO

SCALE: 1" = 50' HOR.
1" = 10' VER.

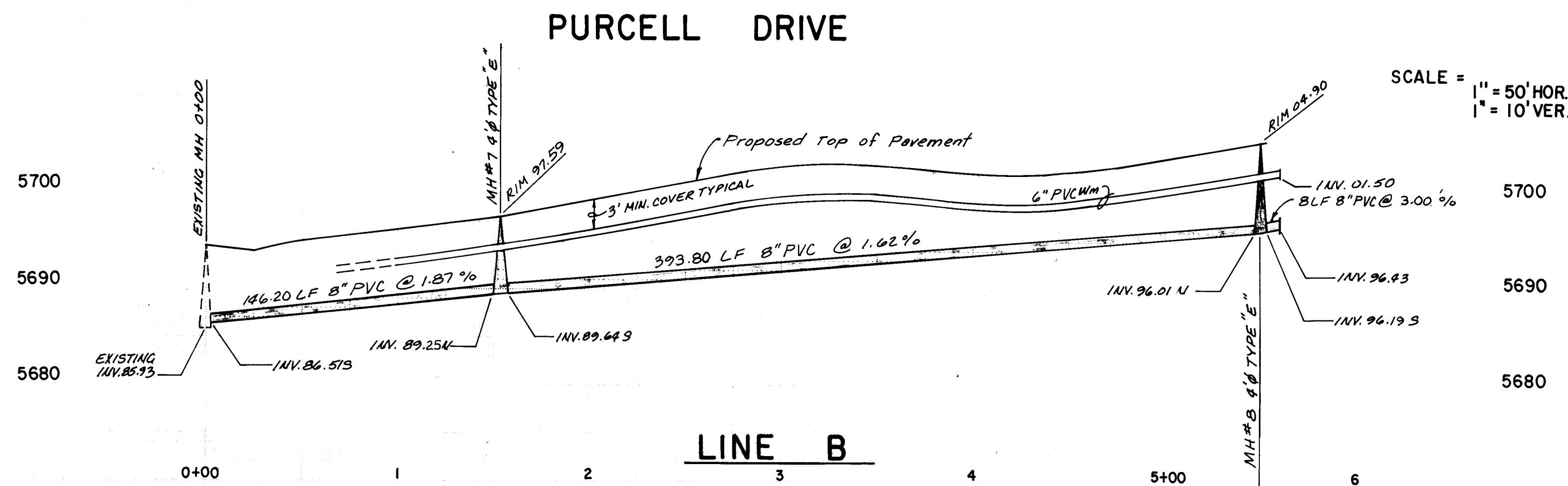
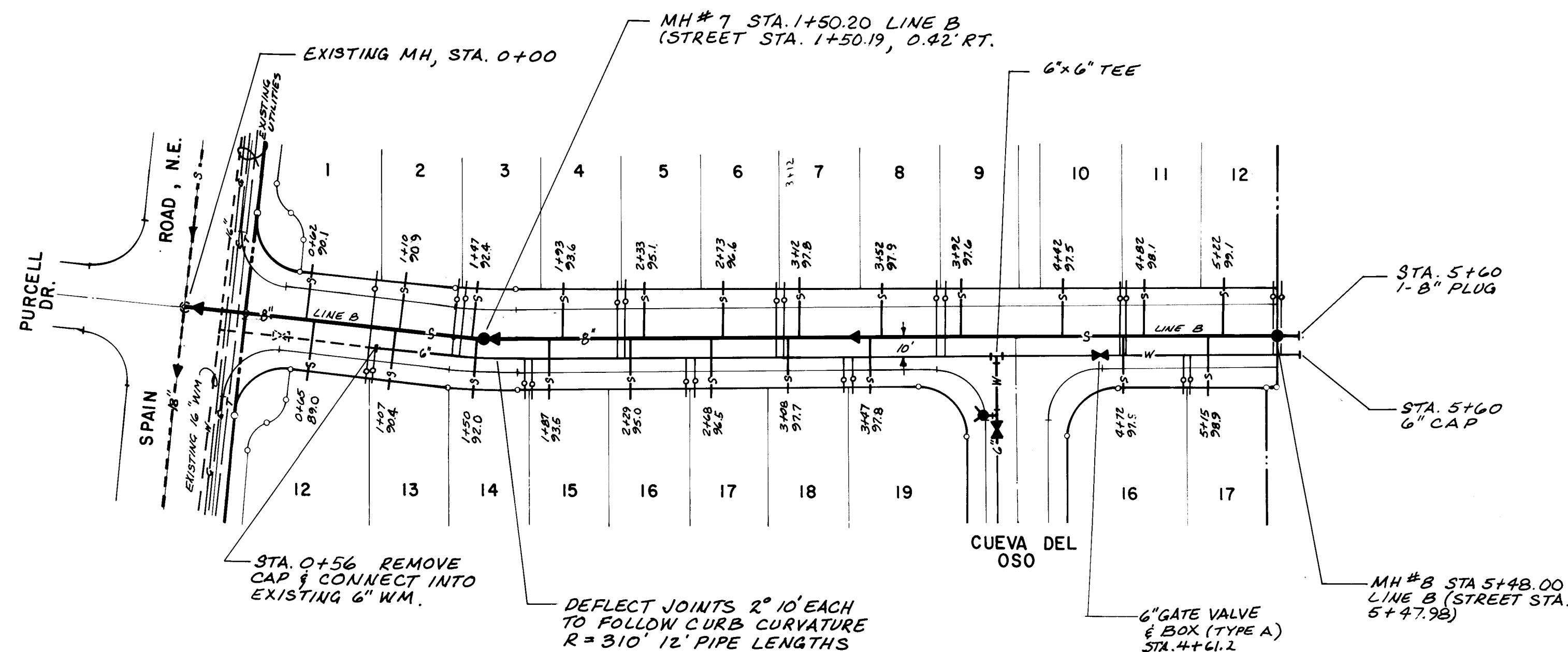
I, GEORGE E. BURROUGHS, CERTIFY THAT THE DRAWING OF THE "AS-BUILT" DIMENSIONS WAS DONE UNDER MY SUPERVISION.

THE FOLLOWING ITEMS HAVE BEEN REVISED TO REFLECT "AS-BUILT" DIMENSIONS

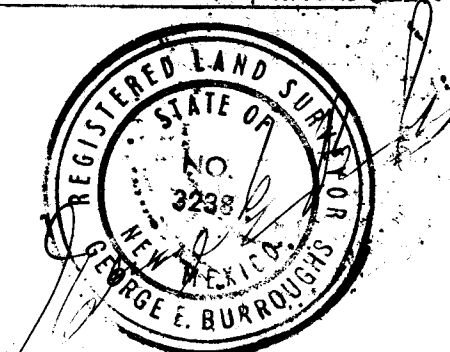
- SAN. M.H. STATION & PIPE SLOPES
- SAN. M.H. RIM & INVERT ELEV.
- WATER VALVE LOCATION
- F.H. LOCATION & ELEVATION
- SEWER STUB LOCATION & INVERT. ELEV.



		CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION	
TITLE: OSO GRANDE-UNIT TWO UTILITY - CASADOR DEL OSO, CUEVA DEL OSO, DEE DRIVE, BEEBE STREET			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	<i>[Signature]</i>	2/11/83	City Engineer
ACE Design	<i>[Signature]</i>	2/11/83	ACE Design
ACE Hydrology	<i>[Signature]</i>	2/11/83	ACE Hydrology
APPROVED FOR CONSTRUCTION <i>[Signature]</i>		DATE: 2/11/83	
CITY ENGINEER		DATE	
DRAWING NO. 1395		SHEET 7 OF 9	

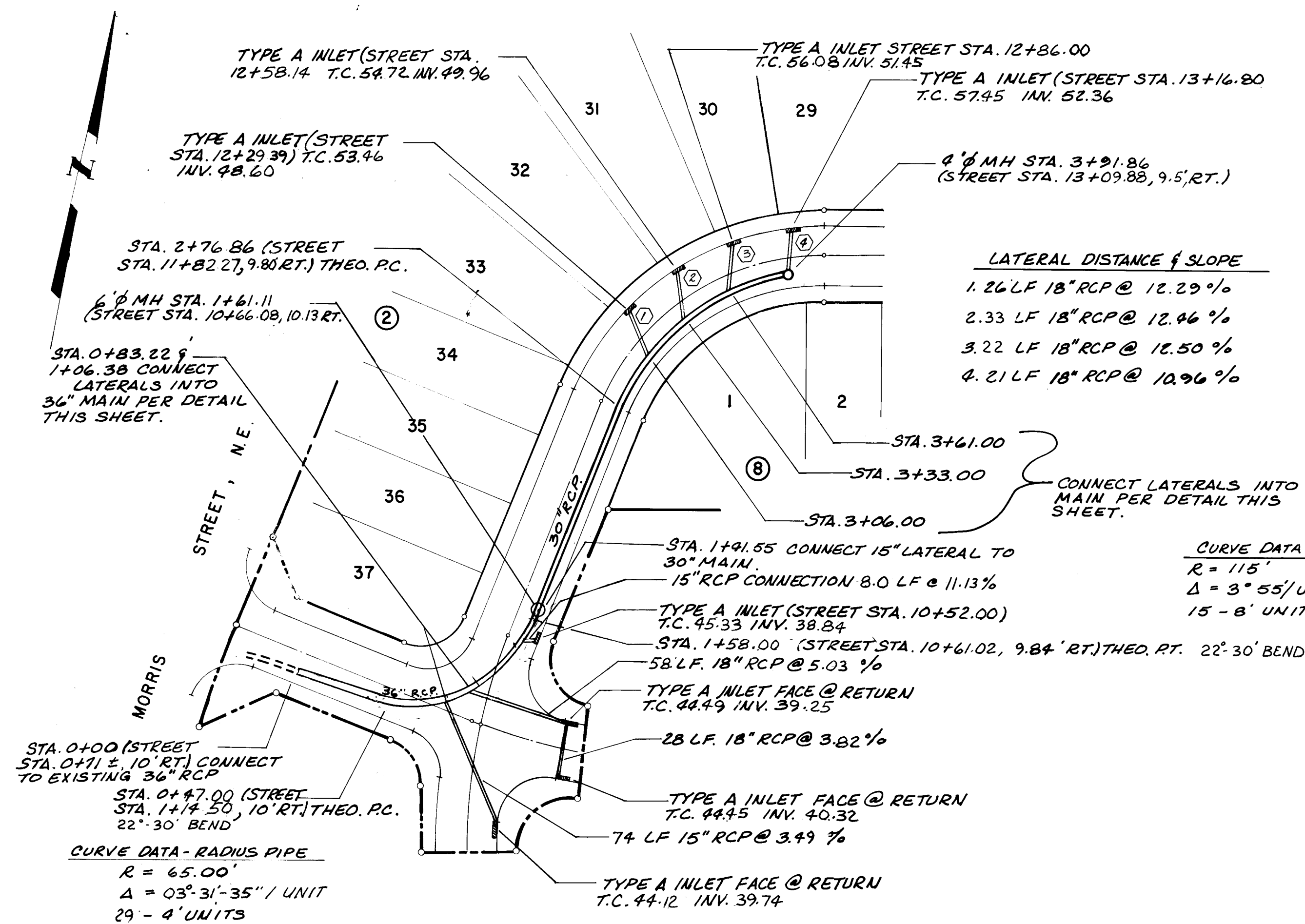


SAN. M.H. STATIONS & PIPE SLOPES
SAN. M.H. RIM & INVERT ELEV.
WATER VALVE LOCATIONS
F/H LOCATION & ELEVATIONS.
SEWER STUB LOCATION & INVERT ELEV.



 APPROVED FOR CONSTRUCTION <i>Richard S. Hill</i> CITY ENGINEER DATE <u>2/1/93</u>	CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION		
	TITLE: OSO GRANDE-UNIT TWO UTILITY - CUEVA DEL OSO, PURCELL DRIVE		
	APPROVALS City Engineer ACE-Design ACE-Hydrology	ENGINEER <i>[Signature]</i> <i>[Signature]</i> N.A. <i>[Signature]</i>	DATE <u>5/27/92</u> <u>24 May 92</u>
DRAWING NO. 1395		SHEET 8 OF 9	

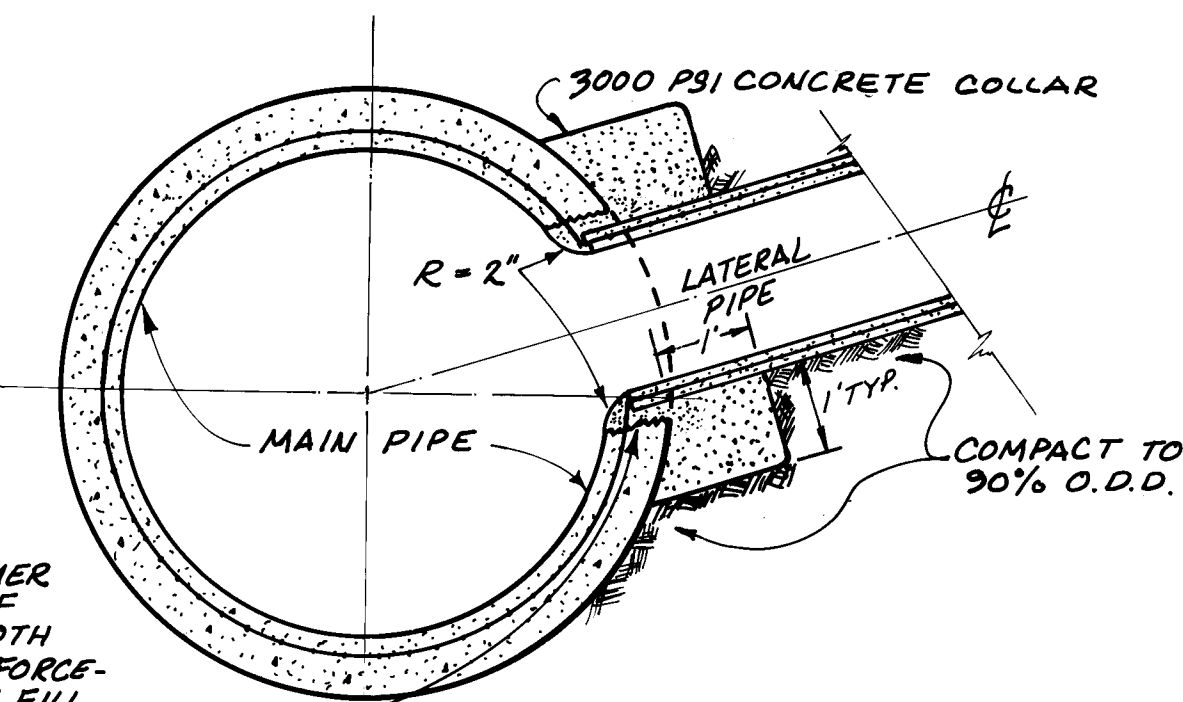
PLAN	DATE	BY
SURVEYED		
NOTED		
RECORDED		
FILED		
NO.		



SCALE: 1" = 50' HOR.
1" = 10' VER.

NOTE: CUT CIRCULAR OPENING IN MAIN PIPE WITH CHISEL-TIPPED JACK HAMMER TO A DIAMETER 4" WIDER THAN O.D. OF LATERAL. EXPOSE REINFORCEMENT IN BOTH PIPE AND SPOT WELD MAIN PIPE REINFORCEMENT TO LATERAL REINFORCEMENT. THEN FILL ALL VOIDS WITH CONCRETE

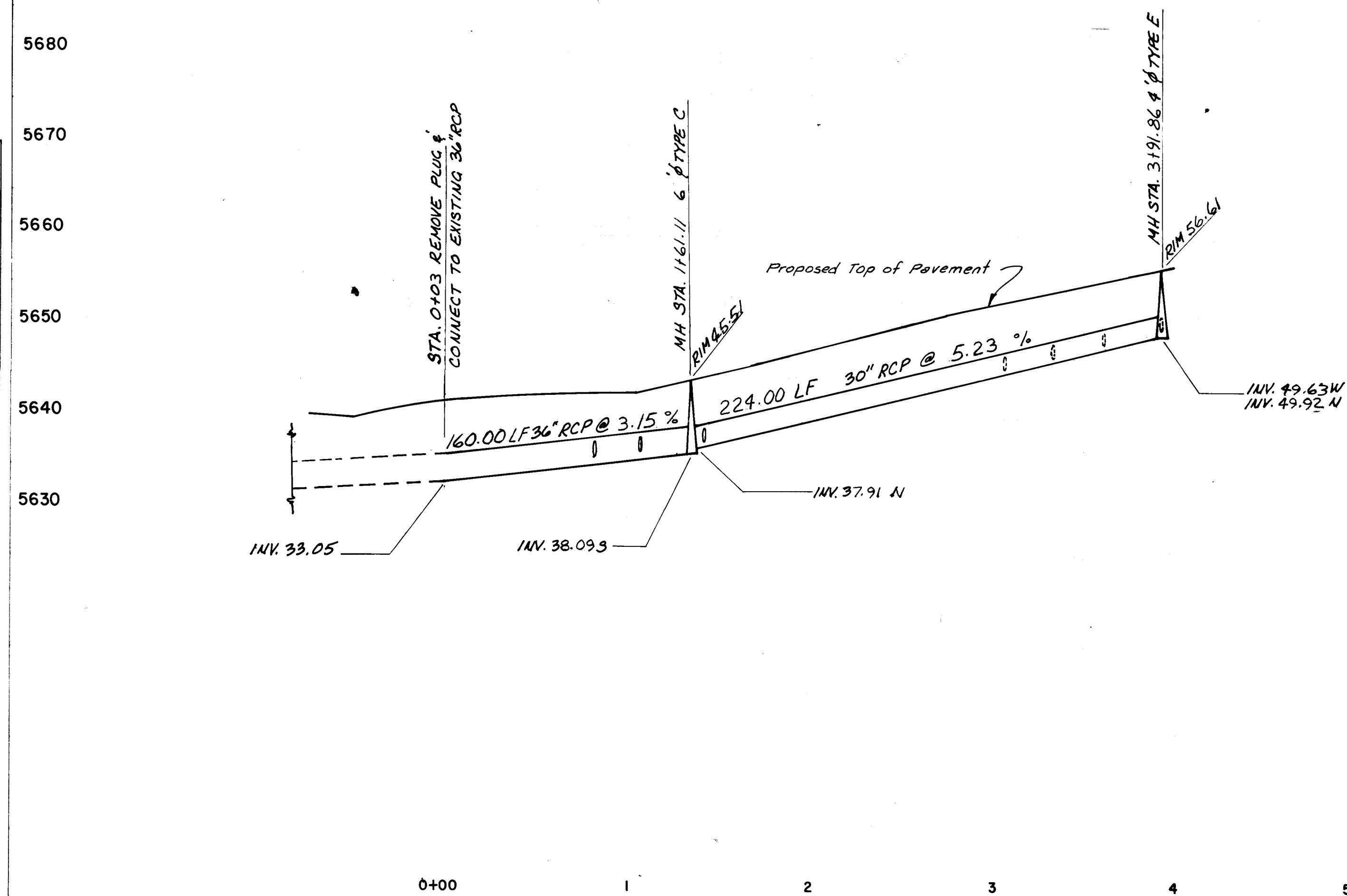
LATERAL CONNECTION DETAIL



NOTES:

- 1) STATIONS AND ELEVATIONS ON DROP INLETS REFER TO CENTER OF GRATE UNLESS NOTED OTHERWISE.
- 2) INV. ELEVATIONS FOR PIPE REFER TO "THEORETICAL PROJECTION" AT CENTER OF MANHOLE. SLOPE AND DISTANCE DATA ON PROFILES REFERS TO THESE CENTER OF MANHOLE LOCATIONS AND PIPE ELEVATIONS AT MANHOLE WALLS SHALL BE PROJECTED ACCORDINGLY.
- 3) ALL RCP SHALL BE CLASS III, WALL C, UNLESS OTHERWISE NOTED.
- 4) WHERE MITERED ENDS ARE REQUIRED ON RCP DUE TO VERTICAL AND/OR HORIZONTAL ANGLE INTERSECTIONS WITH INLETS, PIPE SHALL BE EITHER CHISEL "SCORED" TO THE REQUIRED ANGLE OR SAW-CUT WITH A CONCRETE SAW.
- 5) UNLESS NOTED OTHERWISE PIPES AT INLETS CENTER ON INLET WALL GRATE.
- 6) CONTRACTOR SHALL FIELD EXCAVATE ALL CROSSING POINTS WITH EXISTING UTILITIES AND VERIFY THAT CLEARANCE IS AVAILABLE AS SHOWN BEFORE INSTALLING ANY IMPROVEMENTS.
- 7) ALL INLETS WHICH RECEIVE FLOW FROM OTHER INLETS UPSTREAM SHALL BE FURNISHED WITH BRICK AND MORTAR (OR CONCRETE) BENCHWORK TO PROVIDE A CONTINUOUS INVERT ACROSS THE INLET. BENCHWORK INVERTS SHALL BE CONSTRUCTED TO THE WIDTHS AND DEPTHS OF THE INFLOW AND OUTFLOW PIPES.
- 8) INVERT ELEVATIONS FOR DROP INLETS REFER TO PIPE INVERTS, AND INLET FLOORS SHALL BE CONSTRUCTED ACCORDINGLY TO PROVIDE THE REQUIRED CLEARANCE FOR FILL CONCRETE.

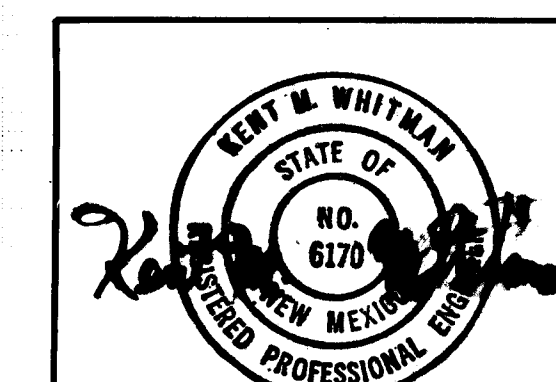
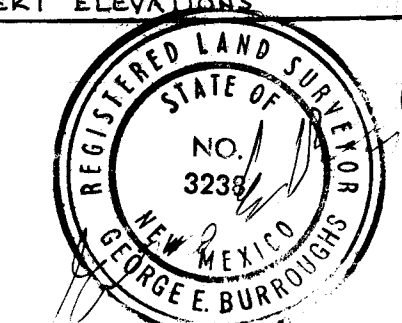
PROFILE	DATE	BY
SURVEYED		
NOTED		
RECORDED		
FILED		
NO.		



I, GEORGE E. BURROUGHS, CERTIFY THAT THE DRAWING OF THE PROJECT DIMENSIONS WAS MADE UNDER MY SUPERVISION.

THE FOLLOWING ITEMS HAVE BEEN REVISED TO REFLECT "AS-BUILT" DIMENSIONS

STORM SEWER M.H. LOCATIONS
& PIPE SLOPES
M.H. RIM & INVERT ELEV.
DROP INLET LOCATIONS &
INVERT ELEVATIONS



APPROVED FOR CONSTRUCTION
Richard S. White
CITY ENGINEER
DATE 2/6/43

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: OSO GRANDE - UNIT TWO STORM SEWER-PLAN AND PROFILE					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	R. White	2/27/42	Liquid Waste	N/A	
A.C.E. Design	G. E. Burroughs	2/14/42	Traffic	N/A	
A.C.E. Hydrology	G. E. Burroughs	5/14/42	Water	N/A	
DRAWING NO. 1395			SHEET 9 OF 9		