

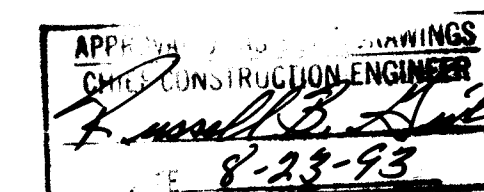
CONSTRUCTION PLANS FOR

LADERA WEST

UNIT I
DRAINAGE, GRADING, PAVING, AND UTILITY
IMPROVEMENTS

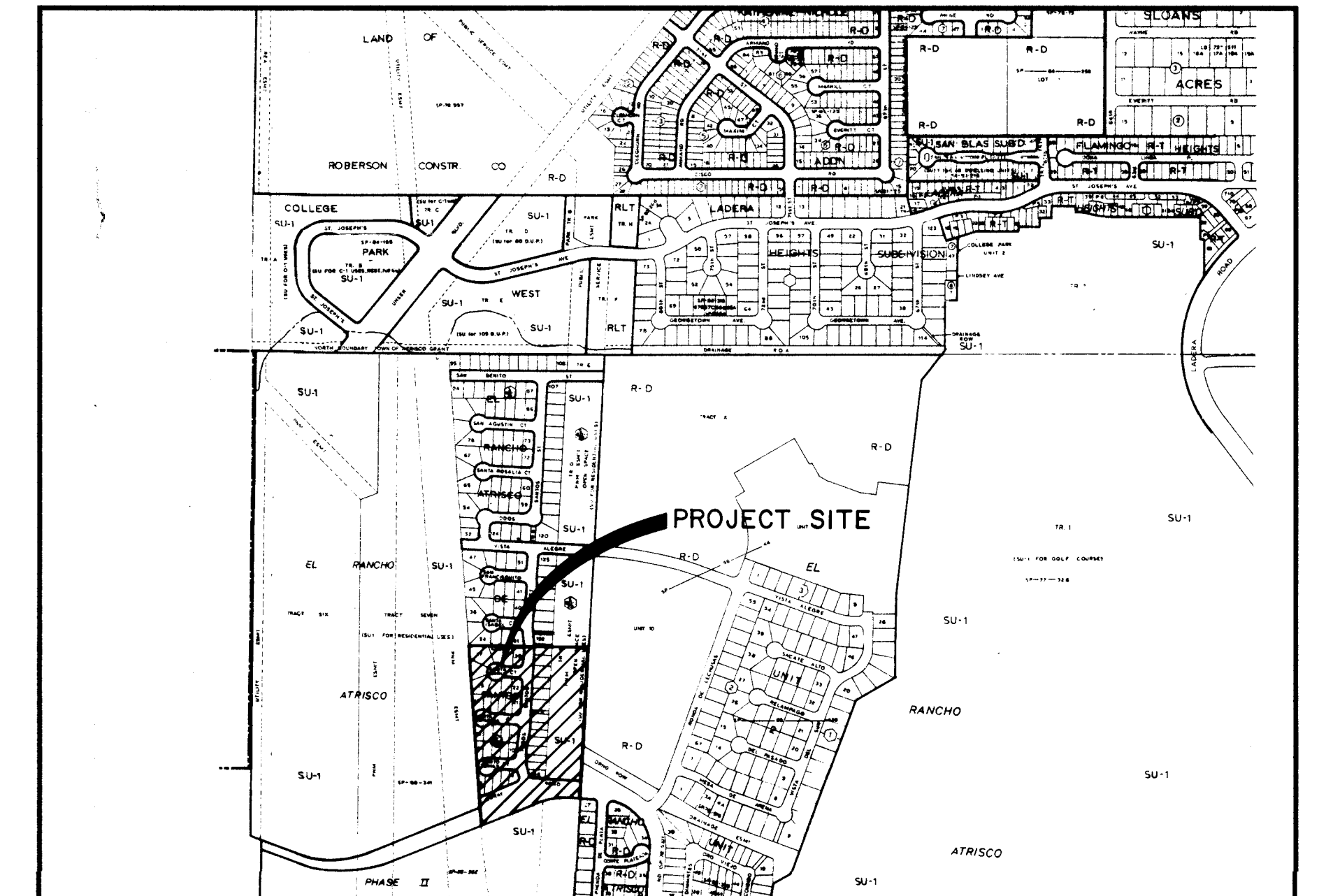
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4450.90 01 1993

SCANNED BY
BY LASON



LOCATION MAP
ZONE ATLAS MAP G-10-Z

GENERAL NOTES

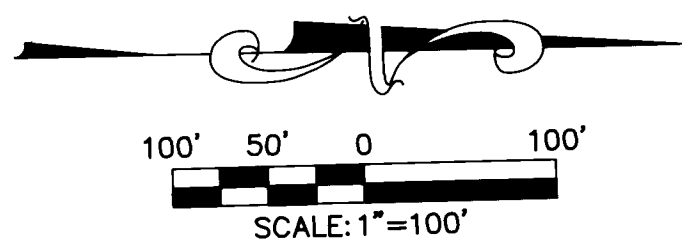
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT, AND UNLESS STATED OTHERWISE OR PROVIDED FOR HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS, PUBLIC WORKS CONSTRUCTION, 1986 EDITION.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES BEING CONNECTED TO AND ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING SAFETY AND HEALTH.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- ALL GAS, ELECTRIC, TELEPHONE LINES, CABLES AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION SHALL BE DONE BY THE RESPONSIBLE UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN IN SERVICE ALL EXISTING UTILITIES.
- THE CONTRACTOR SHALL BE REQUIRED TO CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR PUBLIC RIGHT-OF-WAY OR EASEMENTS TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF EQUIPMENT AND/OR STORAGE OF MATERIALS IS NOT ALLOWED EXCEPT BY PERMISSION OF OWNER. RESTORATION OF PRIVATE IMPROVEMENTS WILL BE AT THE CONTRACTOR'S EXPENSE.
- A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, ASPHALTIC PAVING, CONCRETE CURBS AND SIDEWALKS, ETC. SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE FIELD ENGINEER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
- WHEN ABUTTING EXISTING PAVEMENT TO NEW, SAWCUT EXISTING PAVEMENT TO A STRAIGHT EDGE AND AT A RIGHT ANGLE, OR AS APPROVED BY THE PROJECT ENGINEER, TO REMOVE ANY BROKEN OR CRACKED PAVEMENT.
- THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
- ALL FINAL BACKFILL FOR TRENCHES SHALL BE COMPACTED TO A MINIMUM 90% MAXIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY SECTION 701.14.2 AND STANDARD DRAWING NUMBER 2315.
- CONTRACTOR SHALL SUBMIT A REVEGETATION PLAN TO ENGINEER FOR PRIOR APPROVAL.

4	14	Bill G. Gooding	7-19-93	R. Davis	7-01-93	Bill G. Gooding	06-30-93
1243	5.104	Bill G. Gooding	6-21-93			Bill G. Gooding	06-08-93
REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

APPROVAL OF REVISIONS

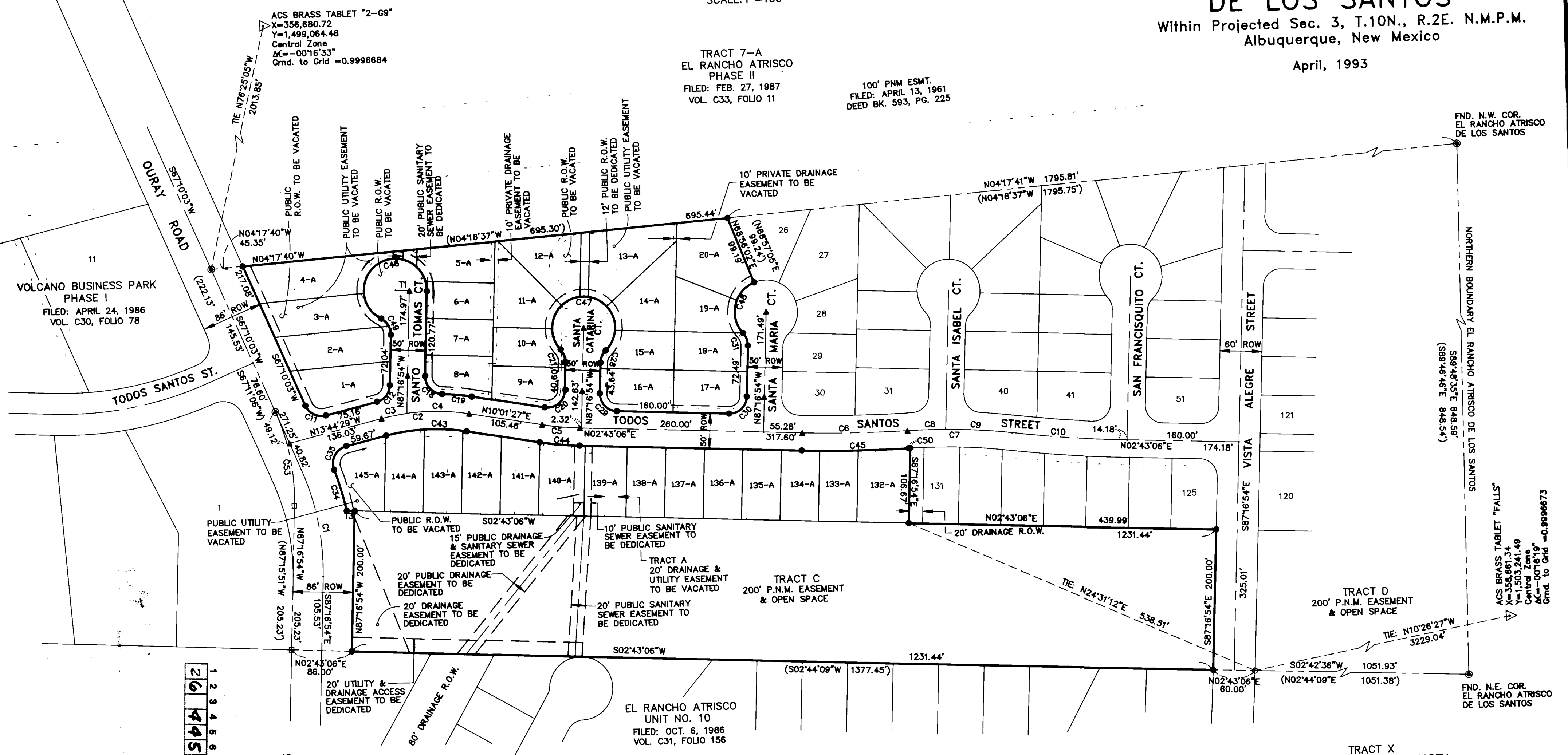
PLANS PREPARED UNDER DIRECTION OF: 	AVID ENGINEERING, INC. Civil • Structural • Transportation 6100 Seagull St. NE - Suite 102 Albuquerque, NM 87109 - (505) 881-5357	APPROVED FOR CONSTRUCTION CITY ENGINEER 8/2/93
DATE: 8/18/93	PROJECT NO. 4450.90	SHEET 1 OF 16

Plat of Tract C, Lots
1-A thru 25-A Inclusive and
Lots 132-A thru 146-A Inclusive
**EL RANCHO ATRISCO
DE LOS SANTOS**
Within Projected Sec. 3, T.10N., R.2E. N.M.P.M.
Albuquerque, New Mexico
April, 1993



TRACT 7-A
EL RANCHO ATRISCO
PHASE II
FILED: FEB. 27, 1987
VOL. C33, FOLIO 11

100' PNM ESMT.
FILED: APRIL 13, 1961
DEED BK. 593, PG. 225



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 44 50 90 02 93 A

SCANNED BY
BY LASON

LEGEND

- EASEMENT LINE TO BE VACATED
- RIGHT-OF-WAY LINE TO BE VACATED
- LOT LINE TO BE VACATED
- EXISTING PUBLIC UTILITY EASEMENT
- RANCHO ATRISCO DE LOS SANTOS BOUNDARY
- REPLAT BOUNDARIES
- PROPOSED PUBLIC UTILITY EASEMENT

SHEET 2 OF 3 SHEETS

AVID ENGINEERING, INC.
Civil - Structural - Transportation
6100 Sequoyia St. NE - Suite 102
Albuquerque, NM 87109 - (505) 881-8387

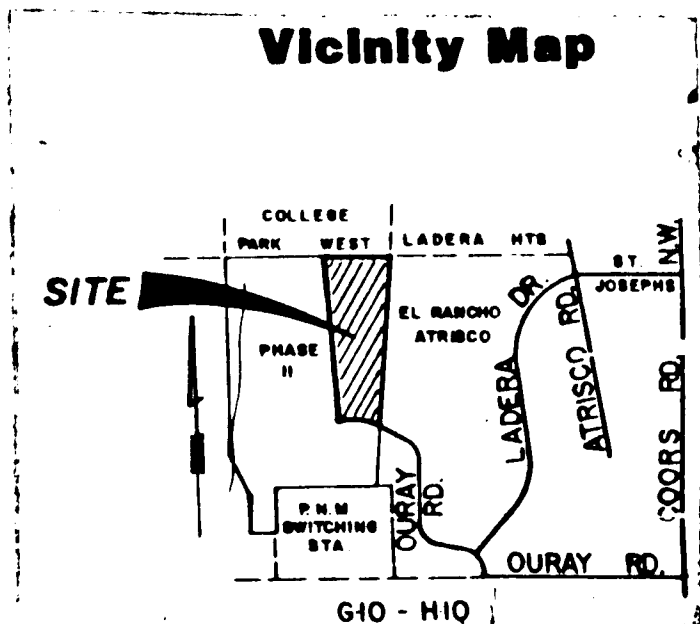
EL RANCHO ATRISCO DE LOS SANTOS

AN ADDITION TO THE CITY OF ALBUQUERQUE, NEW MEXICO
Being a Replat of Tract 4 and a Portion of Tract 5, El Rancho Atrisco Phase II

Filed October 1, 1980 Volume C 17, Folio 84

January 1981

State of New Mexico
County of Bernalillo
This instrument was filed for record
on JUN 25 1982
at 10:00 AM in Book 181, Page 143
by the County Clerk & Recorder
Deputy Clerk



Approvals

Description

Dedication

Approvals:
 V. Hagan by Rep. Kay 4/23/82
 Planning Director - City of Albuquerque, New Mexico
 Director of Parks and Recreation - City of Albuquerque, New Mexico
 City Engineer - City of Albuquerque, New Mexico
 Traffic Engineer - City of Albuquerque, New Mexico
 Chief City Surveyor - City of Albuquerque, New Mexico
 Water Engineer - City of Albuquerque, New Mexico
 Executive Engineer - AMAFCA
 Mountain Bell Telephone Company
 Public Service Company of New Mexico
 Gas Company of New Mexico

Description:
 EL RANCHO ATRISCO DE LOS SANTOS
 A certain parcel of land situated within projected Section 3, T.10N., R.3E., S.10E., Town of Atrisco Grant, Bernalillo County, New Mexico and being identified as TRACT 4 and a portion of TRACT 5 as the same is shown and designated on the plat entitled "EL RANCHO ATRISCO PHASE II, TRACTS 4, 5, 6, & 7" filed on October 1, 1980 in Volume C 17, Folio 84 and being more particularly described by metes and bounds as follows:
 Beginning at the northeast corner of said TRACT 4 and the northeast corner of the parcel herein described, whence Bohannon-Huston and Associates brass cap "140-1, 1977" (having New Mexico State Plane Coordinates, Central Zone, of x = 360,716.98 and y = 1,496,570.49) bears S 17° 21' 01" E, a distance of 4763.22 feet; thence:
 S 02° 44' 09" W, a distance of 2428.83 feet along the east line of said TRACT 4 to the southeast corner of the parcel herein described; thence:
 N 87° 15' 51" W, a distance of 20.13 feet to a point of curvature; thence:
 Southwesterly, a distance of 136.91 feet along the arc of a curve bearing to the left (said arc having a radius of 307.00 feet and a long chord which bears S 79° 57' 37" W, a distance of 135.77 feet) to a point of tangency; thence:
 S 67° 11' 06" W, a distance of 222.13 feet to a point on the east line of a Public Service Company of New Mexico easement and the southwest corner of the parcel herein described; thence:
 N 04° 16' 37" W, a distance of 2536.40 feet along said east line of a Public Service Company of New Mexico easement to the northwest corner of the parcel herein described; thence:
 S 89° 46' 46" E, a distance of 848.34 feet along the north line of said TRACT 4 to the northeast corner and point of beginning of the parcel herein described and containing 39.2400 acres more or less.

THE SUBDIVISION OF THE PROPERTY HEREON DESCRIBED IS WITH THE FREE CONSENT OF, AND IN ACCORDANCE WITH THE DESIRES OF, THE UNDERSIGNED OWNER(S) AND/OR PROPRIETOR(S) THEREOF, AND SAID OWNER(S) AND/OR PROPRIETOR(S) DO HEREBY DEDICATE THE PUBLIC RIGHTS OF WAY SHOWN HEREON, TOGETHER WITH ALL EASEMENTS SHOWN ON THIS PLAT. POWER AND COMMUNICATIONS EASEMENTS (SURFACE AND SUBSURFACE) ARE RESERVED WHERE SHOWN BY DASHED LINES, BEING SEVEN (7) FEET IN WIDTH ADJACENT TO THE STREET RIGHT-OF-WAY LINES, EXCEPT AS NOTED, AND INCLUDES THE RIGHT OF INGRESS AND EGRESS AND THE RIGHT TO TRIM INTERFERING TREES.

TRI-MAC, A JOINT VENTURE

M-C Investment, a general partnership
 By: Jack T. McDowell, a general partner.
 Jack T. McDowell

STATE OF NEW MEXICO) ss
 COUNTY OF BERNALILLO)
 The foregoing instrument was acknowledged before me this 23rd day of January, 1981 by Jack T. McDowell, a general partner of M-C Investment, being a partner of TRI-MAC, A JOINT VENTURE.

My commission expires: May 8, 1984
 Deborah Daumgard
 NOTARY PUBLIC

Trinity Enterprises, Inc.
 By: Bo K. Johnson, President
 Bo K. Johnson
 Attest: [Signature]
 STATE OF NEW MEXICO) ss
 COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me this 23rd day of January, 1981 by Bo K. Johnson, President of Trinity Enterprises, Inc., being a partner of TRI-MAC, A JOINT VENTURE.

My commission expires: May 8, 1984
 Deborah Daumgard
 NOTARY PUBLIC

SURVEYOR'S CERTIFICATE

I, Ronald A. Forstbauer, registered New Mexico Land Surveyor Number 6126, do hereby certify that the plat shown hereon was prepared by me or under my direct supervision from an actual field survey, and I further certify that this plat meets the minimum requirements for monuments and surveys of the Albuquerque Subdivision Ordinance, shows all easements of record furnished by the owners of this property and is true and correct to the best of my knowledge and belief.

Ronald A. Forstbauer
 Ronald A. Forstbauer
 N.M.L.S. No. 6126

GENERAL NOTES:

- Zone Atlas Index Number G-10
- Bearings shown hereon are New Mexico State Plane Grid, Central Zone. Mean delta alpha = +0° 16' 16"
- Distances shown hereon are ground distances. Combined ground to grid factor = 0.99967506
- Horizontal Control Monuments:
 a) Bohannon-Huston & Associates, Inc., Brass Cap "140-1", 1977
 x = 360,716.98, y = 1,496,570.49
 b) U.S.G. & C.S. Brass Cap "FALLS"
 x = 358,661.34, y = 1,503,241.49
- Vertical Control Monument:
 a) Bohannon-Huston & Associates, Inc., Brass Cap "140-1, 1977"
 elevation = 5,128.22 feet
- Subdivision design by Trinity Enterprises, Inc.
- Number of Lots = 146
- Length of full width streets created = 1.1173 miles
- Unless otherwise indicated all boundary corners are set 5/8" rebar, all Block Control marked with Surveyor's Peg Registration No.
- Field survey was performed in August, 1980.

NOTE:
 Temporary drainage easement to be removed by permission of City Engineer.

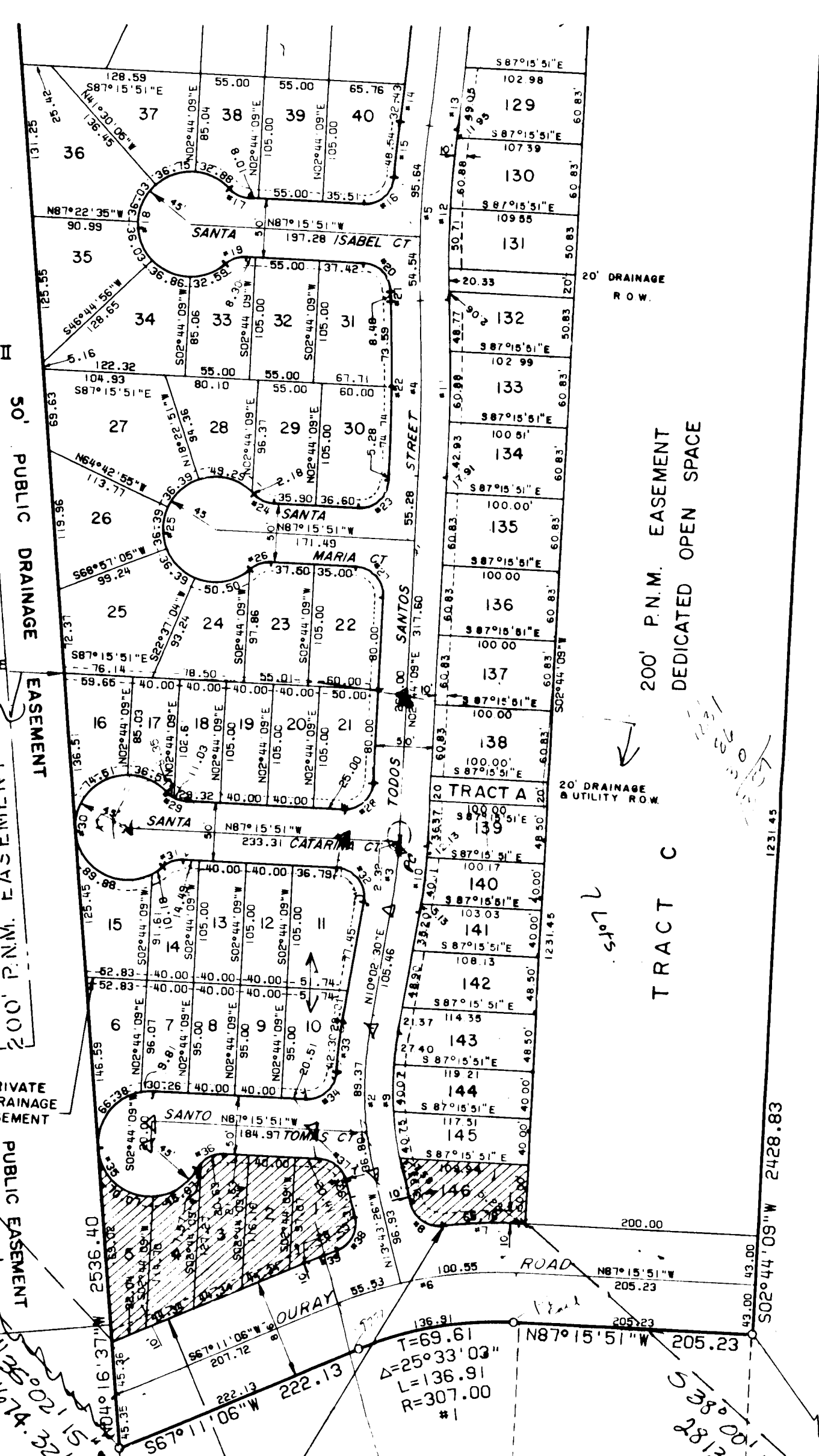
EL RANCHO ATRISCO DE LOS SANTOS

State of New Mexico
 County of Bernalillo
 This instrument was filed for record
 on JUN 25 1982
 at 10:00 AM in Book 181, Page 143
 by the County Clerk & Recorder
 Deputy Clerk

OPEN SPACE AVAILABLE BY THIS PLAT = 10.23 Ac.
 OPEN SPACE REQUIRED BY THIS PLAT = 6.03 Ac.
 4.20 Ac.

Curve Data

NUMBER	RADIUS	ARC	DELTA	TAN
1	307.00	136.91	025°33'03"	68.61
2	304.19	125.17	023°45'55"	64.01
3	424.93	54.18	007°18'21"	27.13
4	1734.25	50.45	004°51'31"	15.27
5	885.53	50.18	004°43'01"	15.27
6	250.00	156.09	028°13'03"	78.36
7	393.00	65.78	009°35'23"	32.97
8	25.00	36.27	083°07'48"	22.17
9	278.19	115.80	023°45'55"	58.76
10	443.93	57.31	007°18'21"	28.72
11	1789.25	52.51	004°51'31"	16.23
12	880.53	145.34	004°43'01"	73.15
13	1789.26	52.51	004°51'30"	16.23
14	1748.26	111.98	004°40'05"	56.01
15	910.53	48.54	003°03'16"	24.28
16	25.00	36.48	088°11'46"	24.23
17	25.00	19.38	044°24'55"	10.21
18	45.00	211.14	268°49'50"	10.21
19	25.00	19.38	044°24'55"	10.21
20	25.00	21.98	084°40'30"	23.18
21	810.53	48.48	003°32'01"	4.24
22	1789.25	148.23	004°51'31"	74.21
23	25.00	39.27	080°00'00"	25.00
24	25.00	19.38	044°24'55"	10.21
25	25.00	211.14	268°49'50"	10.21
26	25.00	19.38	044°24'55"	10.21
27	25.00	39.27	080°00'00"	25.00
28	25.00	39.27	080°00'00"	25.00
29	25.00	19.38	044°24'55"	10.21
30	25.00	211.14	268°49'50"	10.21
31	25.00	19.38	044°24'55"	10.21
32	25.00	42.46	081°18'21"	28.41
33	229.13	42.30	007°21'41"	21.19
34	25.00	39.27	080°00'00"	25.00
35	480.13	124.33	044°37'23"	25.00
36	25.00	28.20	044°37'23"	15.81
37	25.00	32.09	073°32'25"	18.68
38	25.00	36.27	083°07'48"	22.17
39	393.00	15.24	004°13'15"	7.52



EL RANCHO ATRISCO
 TRACT 7
 JULY 11, 1977
 VOL. D-7, FOLIO 187

LOT	AREA (ACRES)	LOT	AREA (ACRES)
1	0.094	74	0.143
2	0.098	75	0.133
3	0.114	76	0.133
4	0.106	77	0.149
5	0.111	78	0.197
6	0.116	79	0.218
7	0.087	80	0.275
8	0.087	81	0.163
9	0.087	82	0.134
10	0.100	83	0.141
11	0.137	84	0.144
12	0.096	85	0.147
13	0.096	86	0.181
14	0.094	87	0.156
15	0.122	88	0.131
16	0.119	89	0.131
17	0.083	90	0.131
18	0.096	91	0.131
19	0.096	92	0.131
20	0.096	93	0.131
21	0.117	94	0.140
22	0.142	95	0.131
23	0.132	96	0.122
24	0.126	97	0.122
25	0.210	98	0.122
26	0.171	99	0.122
27	0.248	100	0.122
28	0.127	101	0.122
29	0.131	102	0.122
30	0.144	103	0.122
31	0.153	104	0.122
32	0.133	105	0.122
33	0.121	106	0.127
34	0.174	107	0.160
35	0.176	108	0.137
36	0.223	109	0.137
37	0.175	110	0.137
38	0.121	111	0.137
39	0.133	112	0.137
40	0.147	113	0.137
41	0.141	114	0.137
42	0.133	115	0.137
43	0.131	116	0.137
44	0.128	117	0.137
45	0.215	118	0.138
46	0.181	119	0.142
47	0.248	120	0.248
48	0.126	121	0.124
49	0.132	122	0.126
50	0.133	123	0.126
51	0.151	124	0.156
52	0.152	125	0.147
53	0.137	126	0.140
54	0.254	127	0.140
55	0.176	128	0.142
56	0.121	129	0.147
57	0.126	130	0.152
58	0.148	131	0.152
59	0.154	132	0.147
60	0.133	133	0.140
61	0.133	134	0.140
62	0.133	135	0.140
63	0.133	136	0.140
64	0.136	137	0.140
65	0.233	138	0.140
66	0.198	139	0.111
67	0.136	140	0.093
68	0.136	141	0.097
69	0.133	142	0.124
70	0.133	143	0.110
71	0.133	144	0.109
72	0.154	145	0.105
73	0.154	146	0.122

LOTS 1, 2, 3, 4, 5 & 146 ARE
 RESERVED AS TEMPORARY
 DRAINAGE EASEMENT

NOTE:
 Temporary drainage easement to be removed by permission of City Engineer.

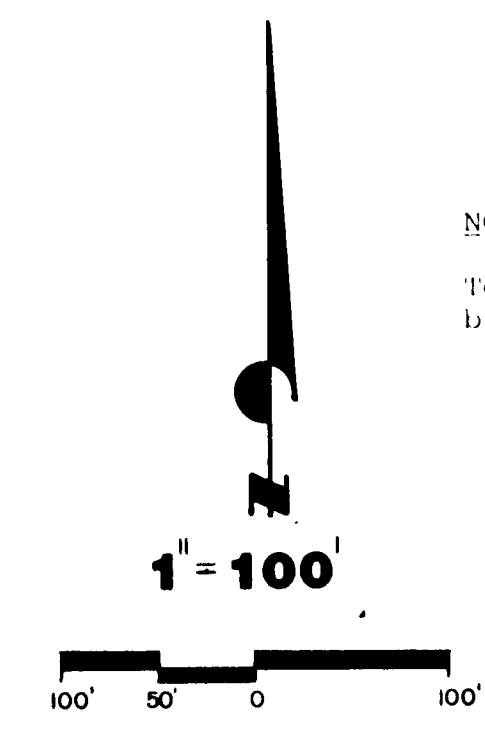
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8-181-910

82 33208

EL RANCHO ATRISCO DE LOS SANTOS

NOTE:
Temporary drainage easement to be removed
by permission of City Engineer.

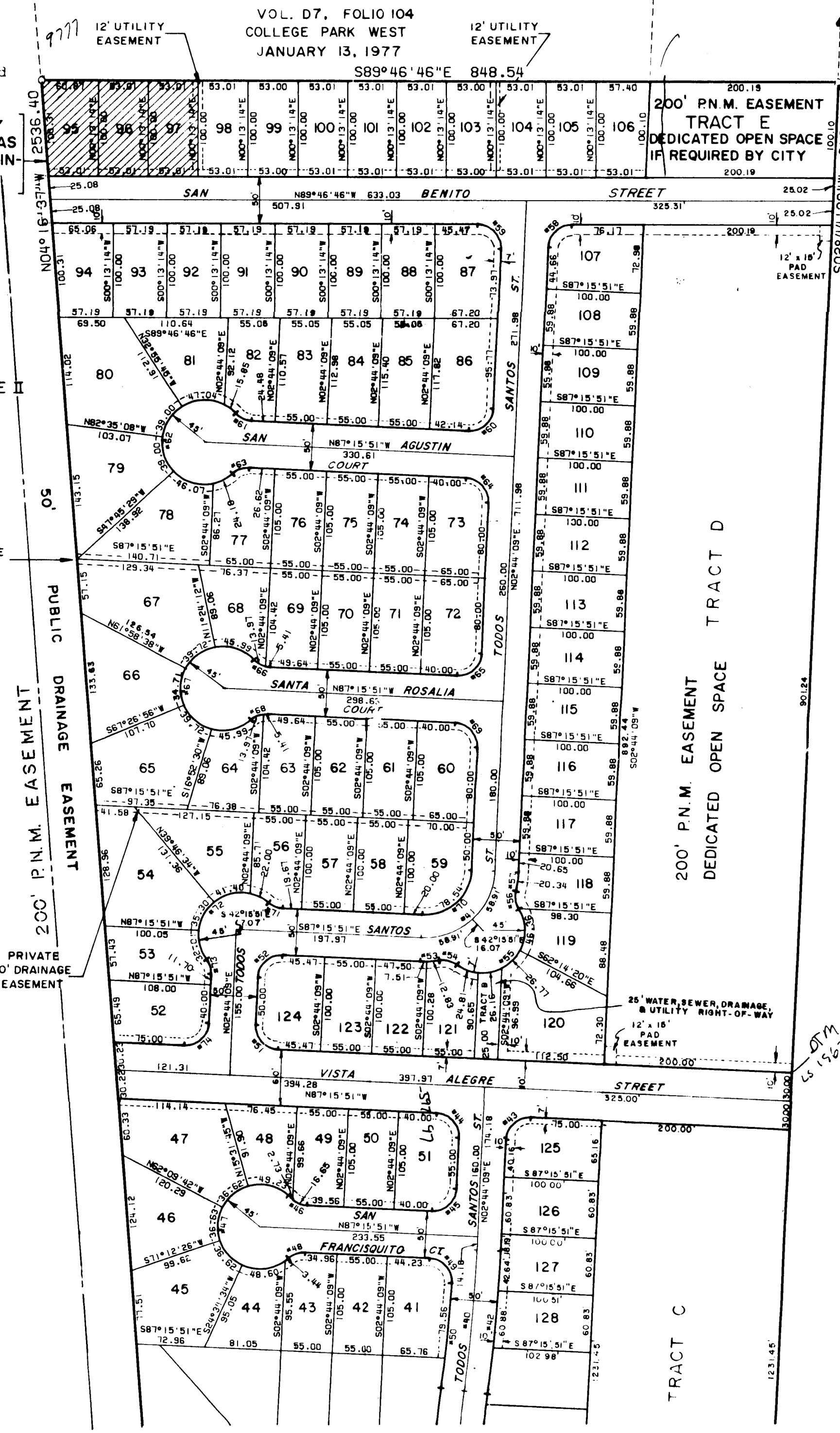


LOTS 95, 96 & 97
ARE RESERVED AS
TEMPORARY DRAIN-
AGE EASEMENT

EL RANCHO ATRISCO PHASE II
TRACT 7
OCT. 1, 1980
VOL. C-17, FOLIO 84

Curve Data

NUMBER	RA/DIV	ARC	DELTA	TAN
40	1779.26	150.45	004°51'30"	75.27
41	76.00	117.81	080°00'00"	75.00
42	1799.26	150.51	004°51'30"	75.33
43	25.00	39.27	090°00'00"	25.00
44	25.00	39.27	090°00'00"	25.00
45	25.00	39.27	090°00'00"	25.00
46	25.00	19.38	044°24'55"	10.21
47	45.00	211.14	268°49'50"	10.21
48	25.00	19.38	044°24'55"	10.21
49	25.00	39.27	091°11'25"	25.52
50	1749.26	111.99	003°40'05"	56.01
51	25.00	39.27	090°00'00"	25.00
52	25.00	39.27	090°00'00"	25.00
53	100.00	20.34	011°39'09"	10.20
54	25.00	19.38	044°24'55"	10.21
55	45.00	124.10	158°00'23"	231.51
56	25.00	19.38	044°24'55"	10.21
57	100.00	20.34	011°39'09"	10.20
58	25.00	39.27	091°29'05"	23.93
59	25.00	40.37	092°30'55"	26.12
60	25.00	39.27	090°00'00"	25.00
61	25.00	19.38	044°24'55"	10.21
62	45.00	211.14	268°49'50"	10.21
63	25.00	19.38	044°24'55"	10.21
64	25.00	39.27	090°00'00"	25.00
65	25.00	39.27	090°00'00"	25.00
66	25.00	19.38	044°24'55"	10.21
67	45.00	211.14	268°49'50"	10.21
68	25.00	19.38	044°24'55"	10.21
69	25.00	39.27	090°00'00"	25.00
70	50.00	76.54	090°00'00"	50.00
71	25.00	16.67	038°12'48"	8.66
72	45.00	130.71	166°25'35"	378.12
73	25.00	16.67	038°12'48"	8.66
74	25.00	39.27	090°00'00"	25.00



JUN 25 1982
19
181 343

BRASS CAP
140-1

OPEN SPACE AVAILABLE BY THIS PLAT = 10.23 Ac.
OPEN SPACE REQUIRED BY THIS PLAT = 6.03 Ac.
4.20 Ac.

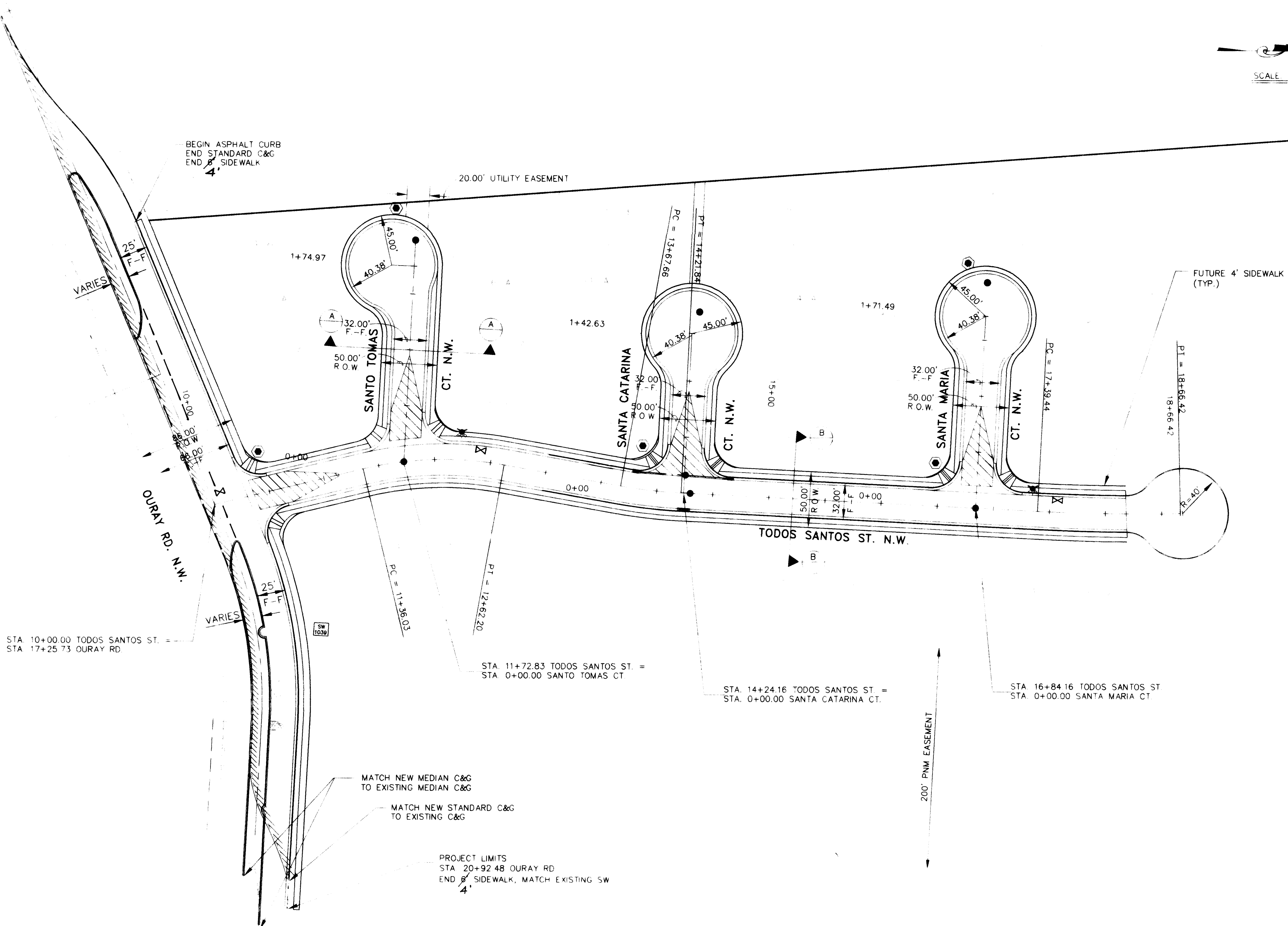
EL RANCHO ATRISCO
TRACT 2
JULY 11, 1977
VOL. D7, FOLIO 187

C19-181-3

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
20 4450.900293C

PROJECT LIMITS
STA 12+47.63 8.69' RT & OURAY RD

SCALE 1" = 50'



LEGEND

- CENTERLINE OF STREET
- EXISTING CURB & GUTTER
- PROPOSED ASPHALT CURB
- PROPOSED STANDARD CURB & GUTTER
- PROPOSED MOUNTABLE CURB & GUTTER
- PROPOSED WHEELCHAIR RAMP
- PROPOSED TEMPORARY PAVING
- PROPOSED CONCRETE VALLEY GUTTER
- TRANSITION FROM CROWN TO NO CROWN
- PROPOSED SANITARY SEWER MANHOLE
- PROPOSED STREET LIGHT LOCATION
- EXISTING VALVES
- EXISTING MANHOLE

AVID ENGINEERING, INC.
Civil • Structural • Transportation
6100 Seagull St. NE Suite 101
Albuquerque, NM 87109 (505) 881-5357

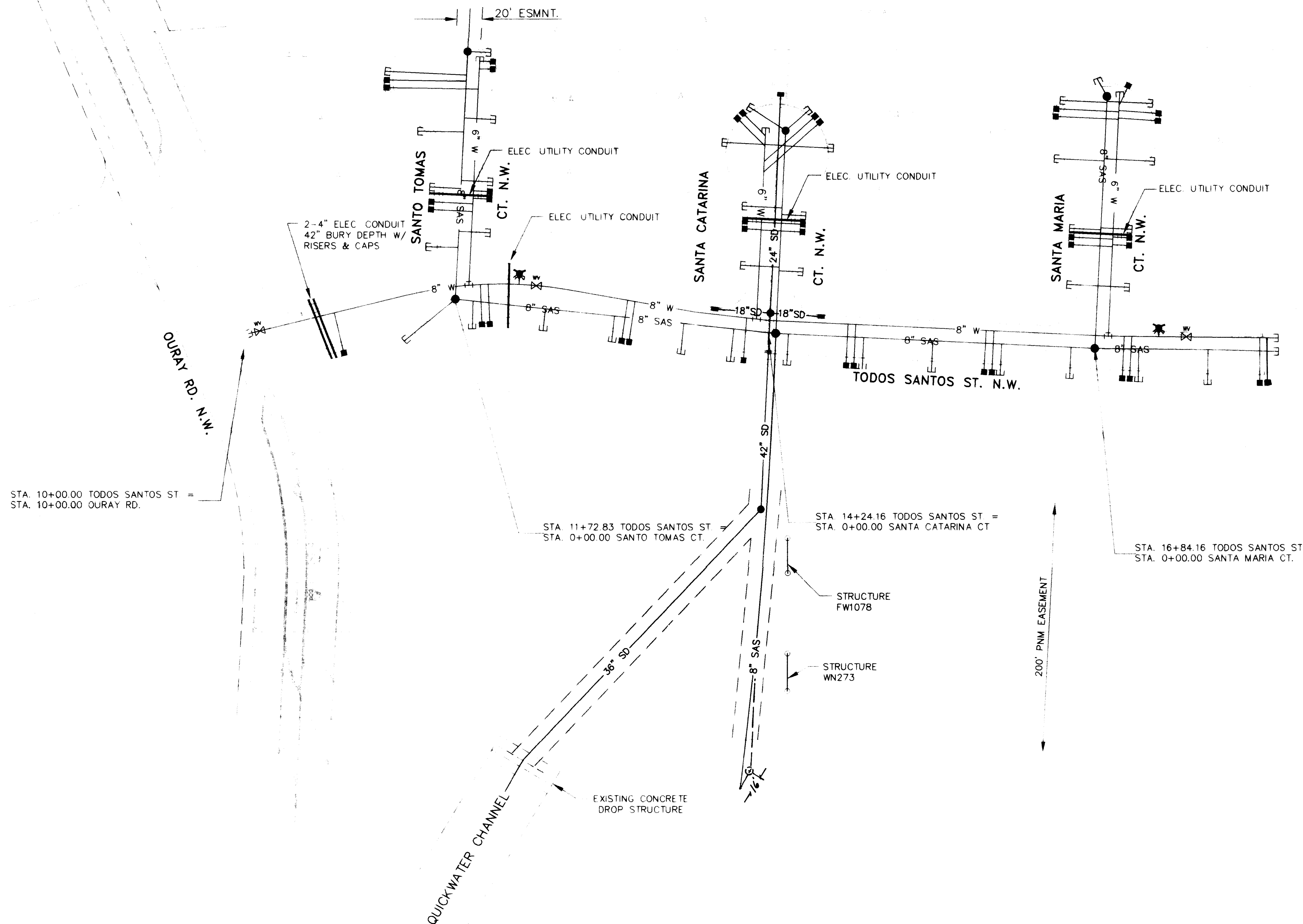
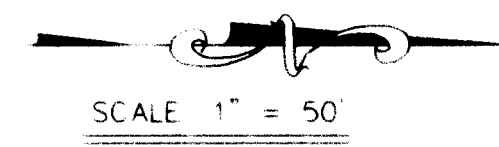
ENGINEER'S SEAL			SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	



NO.	DATE	REMARKS	BY
		DESIGN	
		DRAWN BY	
		CHECKED BY	

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE LADERA WEST SUBDIVISION - UNIT 1 OVERALL PAVING PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>B. J. Smith</i>	3-8-93	Water	<i>N/A RWK</i>	3-1-93
Transportation	<i>M. J. Smith</i>	3-01-93	Waste Water	<i>N/A RWK</i>	3-1-93
Hydrology	<i>A. J. Smith</i>	02-26-93			
DRAWING NO.	4450-90	MAP NO. G-10-Z	SHEET 3	OF 16	

SCANNED BY LASON



NOTES:

- CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH UTILITY COMPANIES AND INSTALLATION OF UTILITY CONDUITS. COST OF UTILITY CONDUIT INSTALLATION IS INCIDENTAL TO PUBLIC UTILITY CONSTRUCTION. PLAN DOES NOT INCLUDE GAS CO. OF N.M. CONDUITS. CONTRACTOR TO OBTAIN CONDUITS AND PLACE ACCORDING TO GAS CO. OF N.M. DIRECTIONS.

LEGEND

- W — EXISTING WATERLINE
— SD — EXISTING STORM DRAIN
— SAS — EXISTING SANITARY SEWER
- ⊙ EXISTING MANHOLE
⊗ EXISTING FIRE HYDRANT
⊗ EXISTING GATE VALVE
- W — PROPOSED WATERLINE
— SD — PROPOSED STORM DRAIN
— SAS — PROPOSED SANITARY SEWER
- PROPOSED MANHOLE
⊗ PROPOSED FIRE HYDRANT
⊗ PROPOSED GATE VALVE
- +— PROPOSED CAP OR PLUG
—+— PROPOSED SINGLE METER, WATER SERVICE LINE
—+— PROPOSED DOUBLE METER, WATER SERVICE LINE
—+— PROPOSED SANITARY SEWER SERVICE LINE
- + + + PROPOSED CROSS, TEE, OR ELBOW
- PNM UTILITY CONDUIT

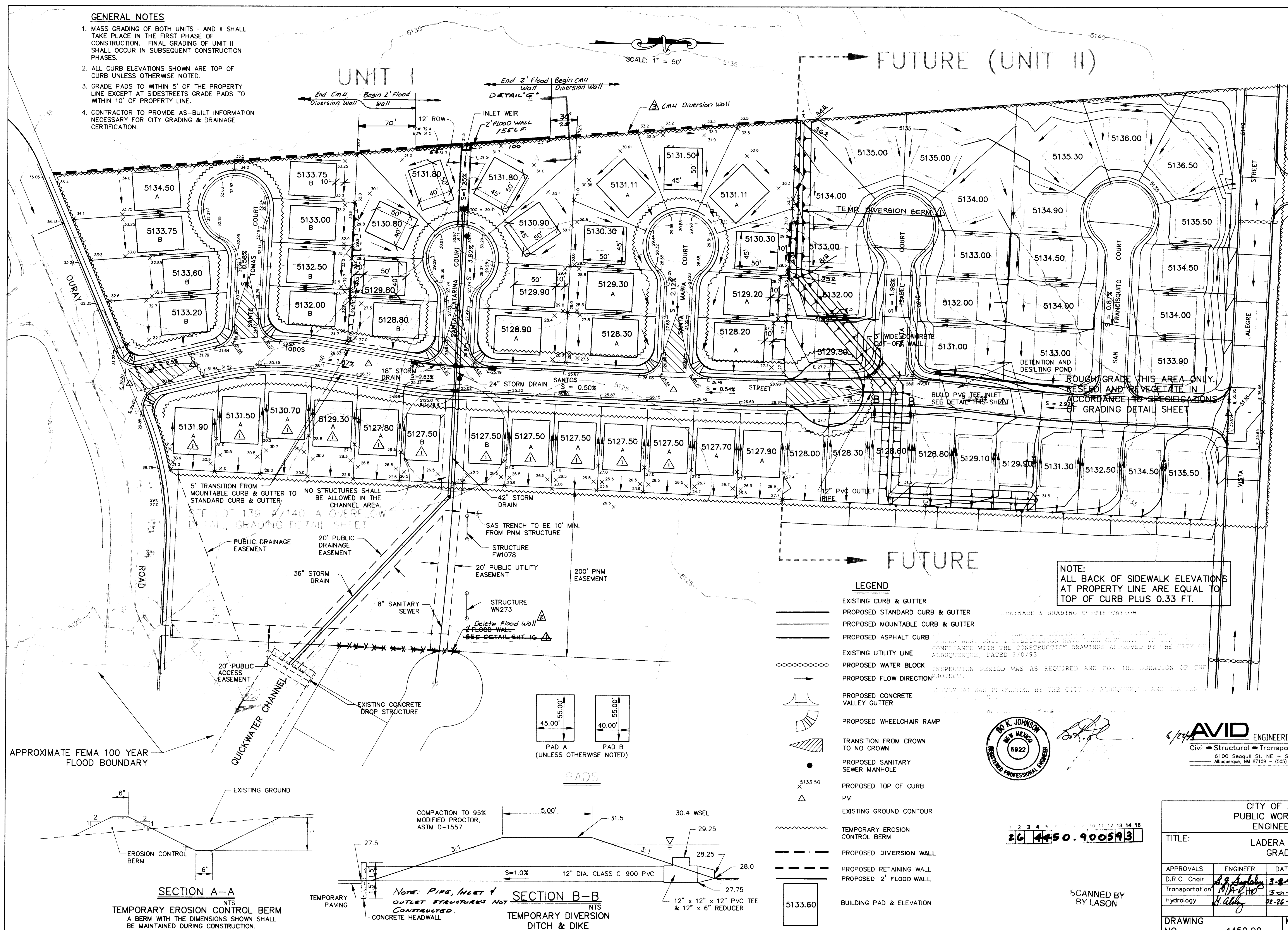
AVID ENGINEERING, INC.
Civil • Structural • Transportation
6100 Seagull St. NE Suite 102
Albuquerque, NM 87109 (505) 881-5351

26 4450. 100493

SCANNED BY
BY LASON

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: LADERA WEST SUBDIVISION UNIT I OVERALL UTILITY PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>R. B. Kelly</i>	3-8-93	Water	<i>R. W. Kane</i>	3-1-93
Transportation	<i>N. A. Kelly</i>	3-21-97	Waste Water	<i>R. W. Kane</i>	3-1-93
Hydrology	<i>A. Kelly</i>	2-26-93			
DRAWING NO. 4450.90			MAP NO. G-10-Z		
SHEET 4			OF 16		

1. MASS GRADING OF BOTH UNITS I AND II SHALL TAKE PLACE IN THE FIRST PHASE OF CONSTRUCTION. FINAL GRADING OF UNIT II SHALL OCCUR IN SUBSEQUENT CONSTRUCTION PHASES.
2. ALL CURB ELEVATIONS SHOWN ARE TOP OF CURB UNLESS OTHERWISE NOTED.
3. GRADE PADS TO WITHIN 5' OF THE PROPERTY LINE EXCEPT AT SIDESTREETS GRADE PADS TO WITHIN 10' OF PROPERTY LINE.
4. CONTRACTOR TO PROVIDE AS-BUILT INFORMATION NECESSARY FOR CITY GRADING & DRAINAGE CERTIFICATION.

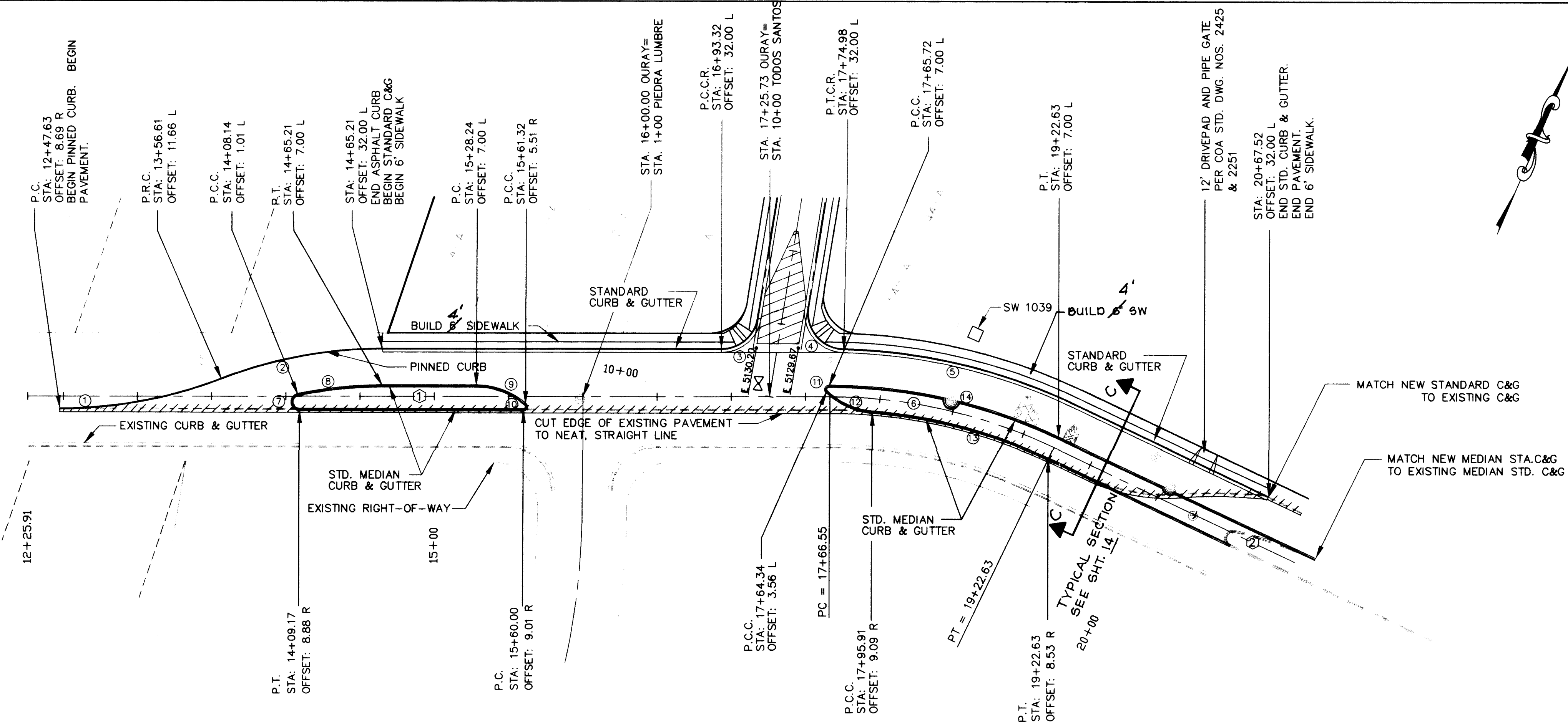


		UNIT I LAN		GROUP		DEPARTMENT		ALBUQUERQUE	
	APPROVALS	ENGINEER		DATE					
	e Water	N/A RWK		3-1-93					
		N/A RWK		3-1-93					
SHEET	NO.		16						
5									

EXHIBIT II

GENERAL NOTES

1. PROPERTY LINE ELEVATIONS EQUAL TOP OF CURB PLUS 0.33 FEET.
2. ADJUST ALL UTILITIES, INCLUDING WATER VALVES, MANHOLES AND PRESSURE REDUCING STATION. THE PAVING CONTRACTOR IS RESPONSIBLE FOR MAKING FINAL ADJUSTMENTS TO ACTUAL FINISHED GRADES.



OURAY RD. N.W.

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

- PAVING
1. ALL STATIONING AND OFFSET DIMENSIONS ARE BASED ON CENTERLINE OF RIGHT-OF-WAY.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DRAWINGS ARE APPLICABLE TO THE PAVING CONSTRUCTION:

2401	2411	2420	2441
2403	2415	2422	2503
2407	2418	2430	
2408	2420	2440	

ADDITIONAL COURSES/OURAY RD. N.W.

REF. NO.	BEARING	DISTANCE
1	N67°10'03"E	540.64
2	S87°16'54"E	105.54

CURVE DATA

CURVE NO.	DELTA	RADIUS	LENGTH	TAN
1	21°17'45"	300.00'	111.50'	56.40'
2	21°13'19"	300.00'	111.12'	56.20'
3	80°54'32"	25.00'	35.30'	21.32'
4	97°42'42"	25.00'	42.63'	28.61'
5	24°10'17"	382.00'	161.15'	81.79'
6	25°33'03"	350.00'	156.08'	79.36'
7	167°58'28"	5.00'	14.66'	47.47'
8	11°58'36"	275.00'	57.48'	28.85'
9	41°25'13"	50.00'	36.15'	18.90'
10	138°37'43"	2.00'	4.84'	5.30'
11	135°54'38"	2.00'	4.74'	4.94'
12	39°26'59"	50.00'	34.43'	17.93'
13	20°51'17"	339.41'	123.54'	62.46'
14	25°41'03"	357.00'	160.03'	81.38'

LEGEND

- CENTERLINE OF STREET
- EXISTING CURB & GUTTER
- PROPOSED ASPHALT CURB
- PROPOSED STANDARD CURB & GUTTER
- PROPOSED MOUNTABLE CURB & GUTTER
- PROPOSED WHEELCHAIR RAMP
- PROPOSED TEMPORARY PAVING
- PROPOSED CONCRETE VALLEY GUTTER
- TRANSITION FROM CROWN TO NO CROWN
- PROPOSED SANITARY SEWER MANHOLE
- EXISTING VALVES
- EXISTING MANHOLE

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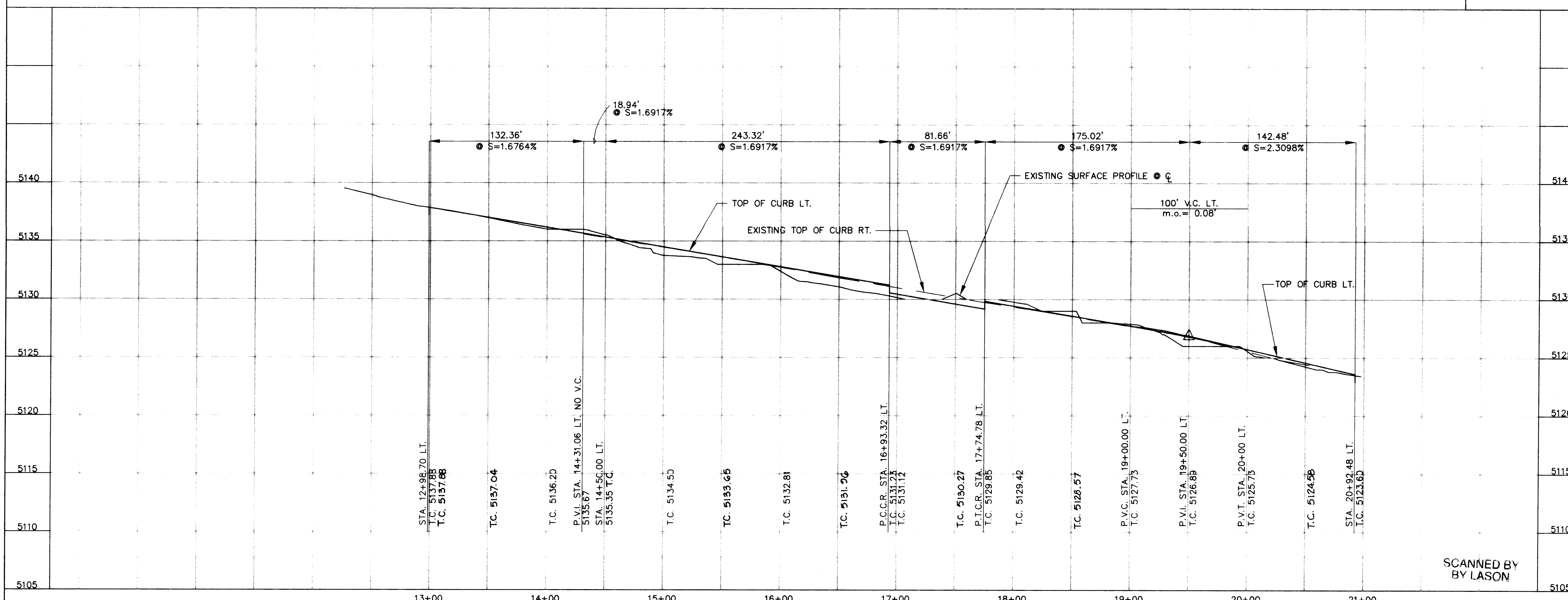
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

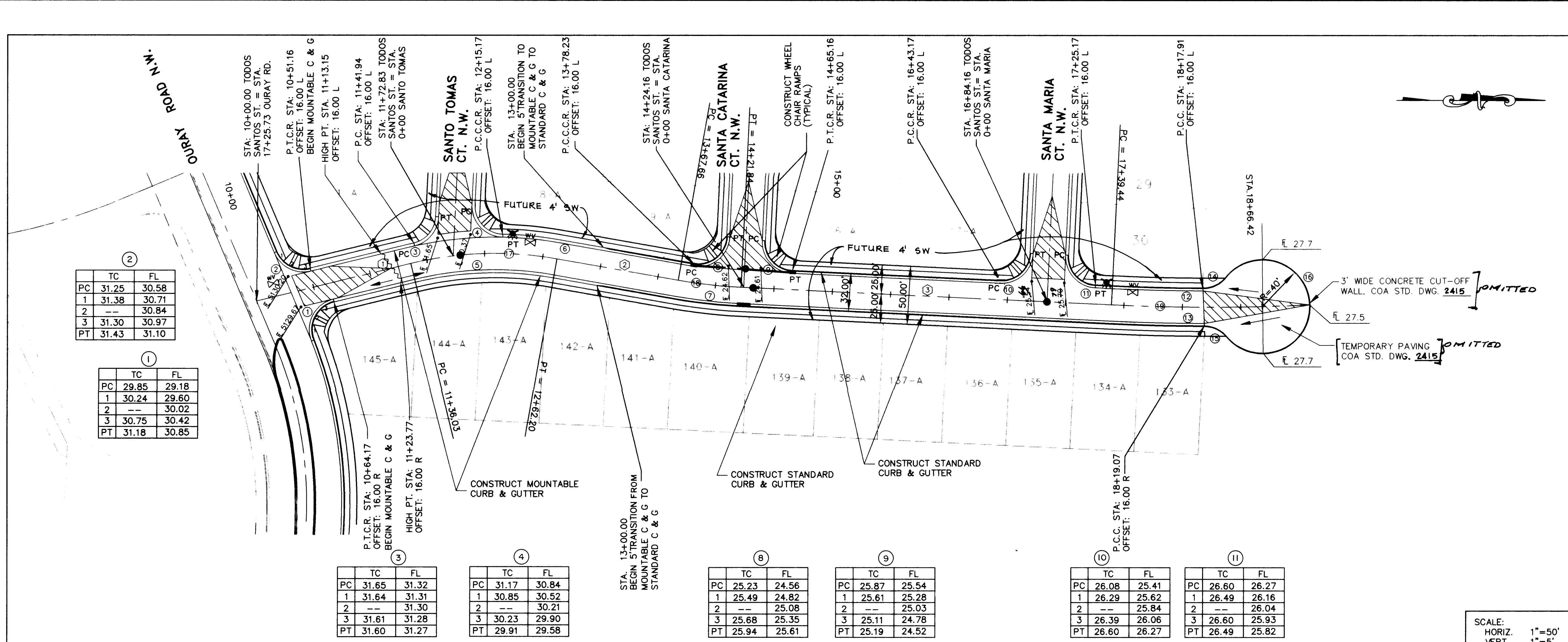
TITLE: LADERA WEST SUBDIVISION - UNIT I
OURAY ROAD N.W. STA. 12+25.91 TO STA. 20+28.17
PAVING PLAN AND PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	3-2-93	Water	N/A	RWK 3-1-93
Transportation	<i>[Signature]</i>	3-2-93	Waste Water	N/A	RWK 3-1-93
Hydrology	<i>[Signature]</i>	3-2-93			

DRAWING NO. 4450.90 MAP NO. C-10-Z SHEET 6 OF 16



SCANNED BY
BY LASON



PAVING
1. ALL STATIONING AND OFFSET DIMENSIONS ARE BASED ON CENTERLINE OF RIGHT-OF-WAY.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DRAWINGS ARE APPLICABLE TO THE PAVING CONSTRUCTION:

2401	2411	2422	2441
2405	2415	2428	2503
2407	2418	2430	
2408	2420	2440	

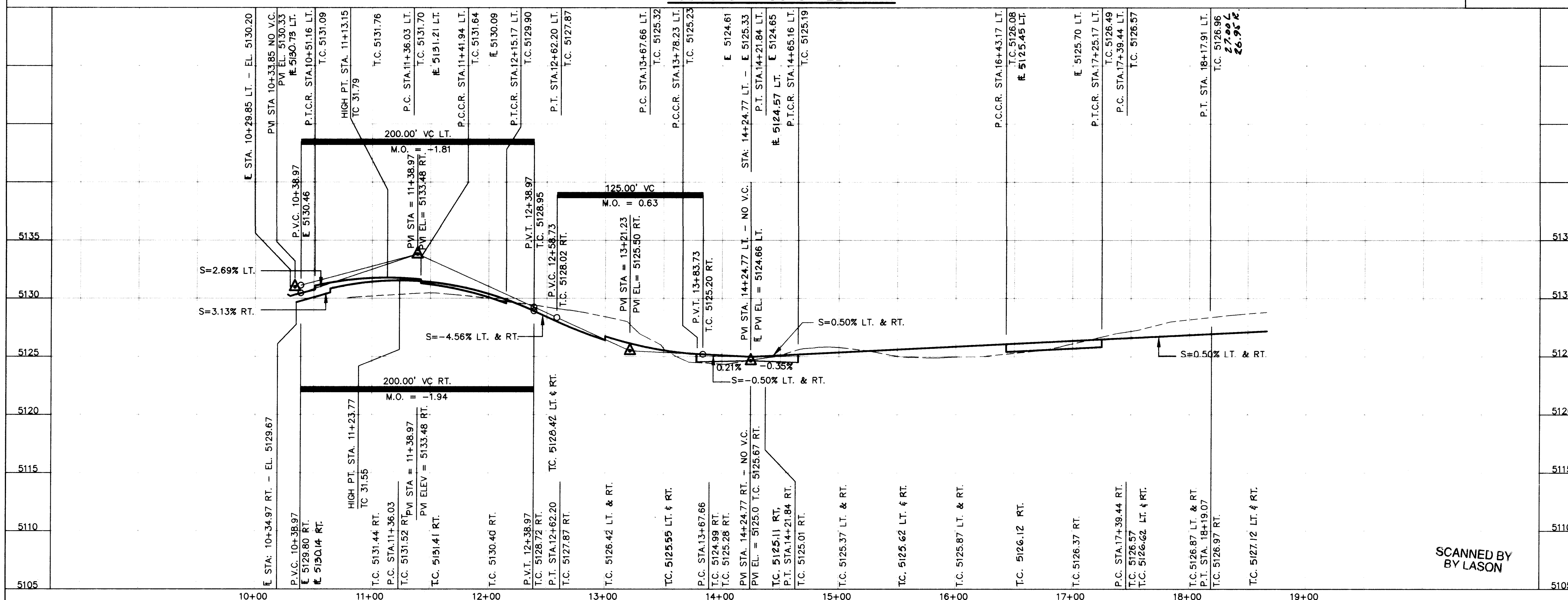
REF. NO.	BEARING	DISTANCE
1	N13°44'29"W	136.03
2	N10°01'27"E	105.46
3	N02°43'06"E	317.60

CURVE NO.	DELTA	RADIUS	LENGTH	TAN
1	97°42'42"	25.00'	42.63'	28.61'
2	80°54'32"	25.00'	35.30'	21.32'
3	74°39'14"	25.00'	32.57'	19.06'
4	97°39'29"	25.00'	38.25'	24.00'
5	23°45'55"	288.19'	119.54'	60.64'
6	08°51'30"	320.19'	49.50'	24.80'
7	07°18'21"	440.93'	56.22'	28.15'
8	95°46'56"	25.00'	41.79'	27.66'
9	90°00'00"	25.00'	39.27'	25.00'
10	89°58'57"	25.00'	39.26'	24.99'
11	90°01'03"	25.00'	39.28'	25.01'
12	02°31'12"	1758.25'	77.33'	38.67'
13	02°34'18"	1790.25'	80.35'	40.18'
14	50°06'25"	25.00'	21.86'	11.69'
15	51°42'26"	25.00'	22.56'	12.11'
16	281°46'38"	40.00'	196.72'	32.52'
17	23°45'55"	304.19'	126.17'	64.01'
18	07°18'21"	424.93'	54.18'	27.13'
19	04°06'02"	1774.25'	126.98'	63.52'

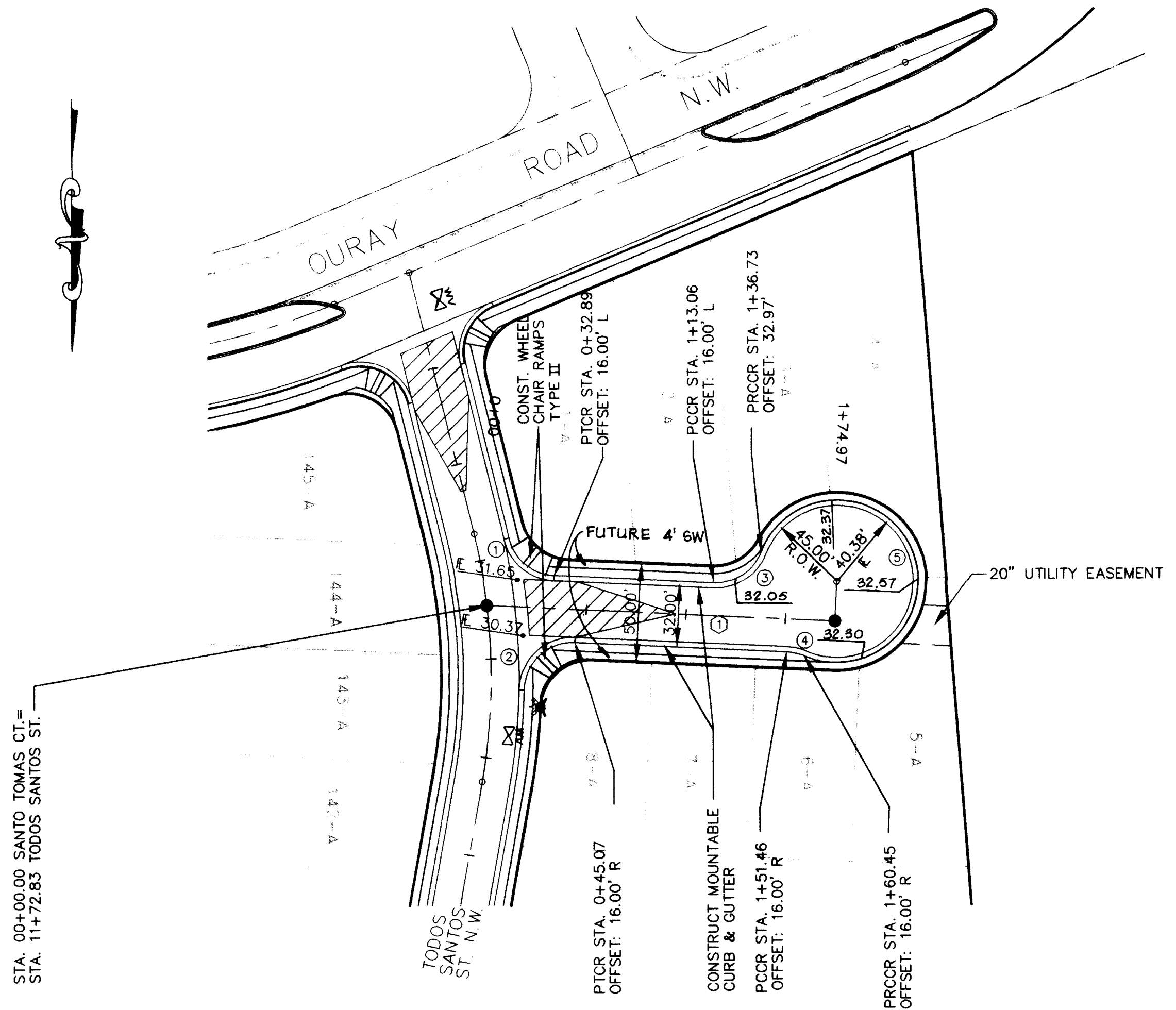
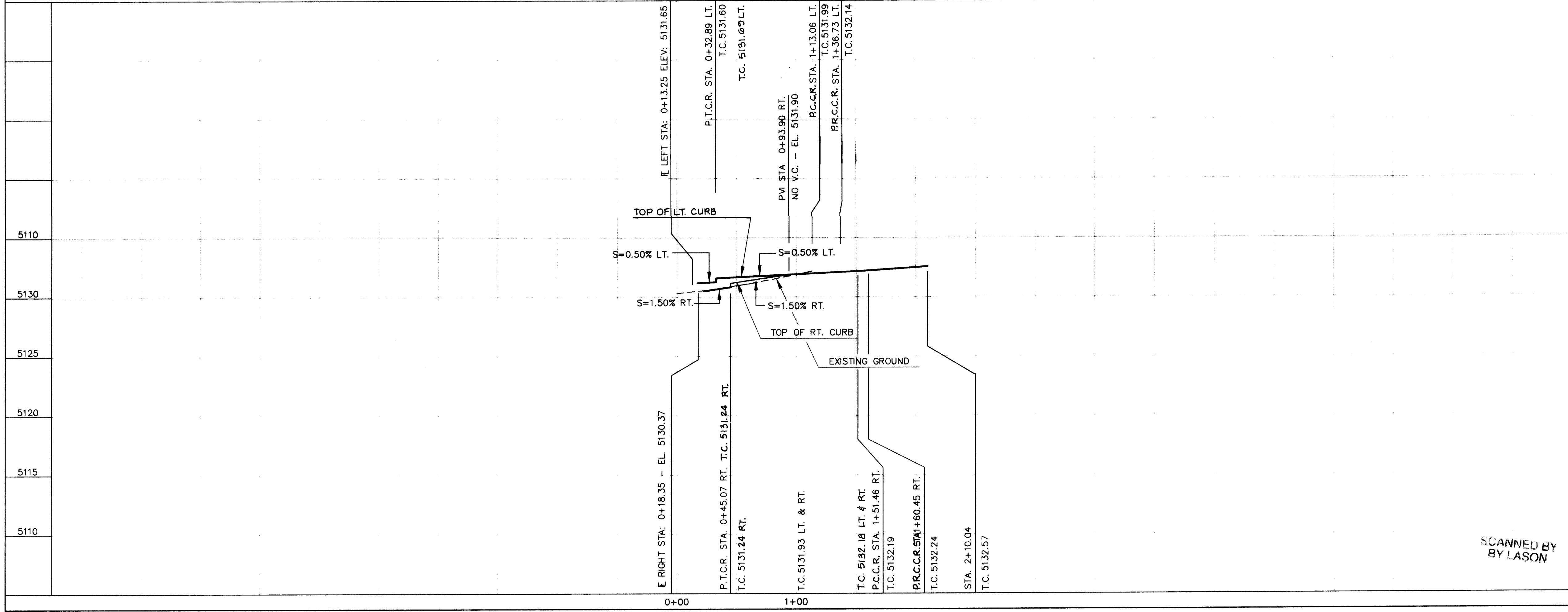
LEGEND

- CENTERLINE OF STREET
- EXISTING CURB & GUTTER
- PROPOSED ASPHALT CURB
- PROPOSED CURB & GUTTER & GUTTER
- PROPOSED WHEELCHAIR RAMP
- PROPOSED CONCRETE VALLEY GUTTER
- TRANSITION FROM CROWN TO NO CROWN
- PROPOSED WATERBLOCK
- PROPOSED MANHOLE
- PROPOSED STREET LIGHT LOCATION

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



AS BUILT INFORMATION		
CONTRACTOR	NEW Concepts	DATE
STATIONED BY	CITY	DATE
APPROVED BY	O. Herrera	DATE
RECORDED BY		DATE
CHECKED BY		DATE
BENCH MARKS		
THE STATION IS LOCATED 5.0 MI. NW OF DOWNTOWN ALBUQUERQUE, ON TOP OF A VOLCANIC OUTCROP. TO REACH THE STATION FROM THE INTERSECTION OF COORS RD. AND DURY RD. NW GO WEST ON DURY ABOUT 0.7 MI. TO THE END OF PAVEMENT. CONTINUE W ON THE DIRT ROAD TO THE TOP OF THE DETENTION DAM. ALONG THE N BANK OF THE DAM 0.6 MI. TO A DIRT CROSS ROAD. TURN RIGHT. GO N ON THE DIRT ROAD 0.5 MI. THE STATION IS ABOUT 600 FT. W OF THIS POINT. THE STATION MARK IS AN ACS BRASS TABLET STAMPED "2-03" SET IN A 2 IN. IRON PIPE 1 FT. ABOVE GROUND. SLD 1928 ELEVATION = 5334.90		
SURVEY INFORMATION		
FIELD NOTES	DATE	BY
NO.		
ENGINEER'S SEAL		
NO.	DATE	BY
REMARKS	DESIGN	DATE
NO.	DATE	BY
CHECKED BY	DATE	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP		
TITLE: LADERA WEST SUBDIVISION - UNIT 1 TODOS SANTOS ST. N.W. STA. 0+00.00 TO STA. 18+66.42 PAVING PLAN AND PROFILE		
APPROVALS	ENGINEER	DATE
D.R.C. Chair	3-8-93	Water
Transportation	3-21-93	Waste Water
Hydrology	3-26-93	
DRAWING NO.	4450.90	MAP NO. G-10-Z
SHEET	7	OF 16



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

- LEGEND**
- CENTERLINE OF STREET
 - EXISTING CURB & GUTTER
 - PROPOSED CURB & GUTTER
 - PROPOSED WHEELCHAIR RAMP
 - PROPOSED TEMPORARY PAVING
 - PROPOSED CONCRETE VALLEY GUTTER
 - TRANSITION FROM CROWN TO NO CROWN
 - TRANSITION FROM FULL CROWN TO HALF CROWN
 - PROPOSED SANITARY SEWER MANHOLE
 - PROPOSED STREET LIGHT LOCATION

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Albuquerque, NM 87109 - (505) 881-5357

20 4450.90 900893

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: LADERA WEST SUBDIVISION - UNIT 1
SANTO TOMAS CT. N.W. STA. 0+00.00 TO STA. 1+74.97
PAVING PLAN AND PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	3-2-93	Water	NIA RWK	3-1-93
Transportation	<i>[Signature]</i>	3-2-93	Waste Water	NIA RWK	3-1-93
Hydrology	<i>[Signature]</i>	3-2-93			

DRAWING NO. 4450.90 MAP NO. G-10-Z SHEET 8 OF 16

PAVING			
1. ALL STATIONING AND OFFSET DIMENSIONS ARE BASED ON CENTERLINE OF RIGHT-OF-WAY.			
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DRAWINGS ARE APPLICABLE TO THE PAVING CONSTRUCTION:			
2401	2411	2422	2441
2405	2415	2426	2503
2407	2418	2430	
2408	2420	2440	

ADDITIONAL COURSES/SANTO TOMAS CT. N.W.		
REF. NO.	BEARING	DISTANCE
①	S87°16'54"E	174.97

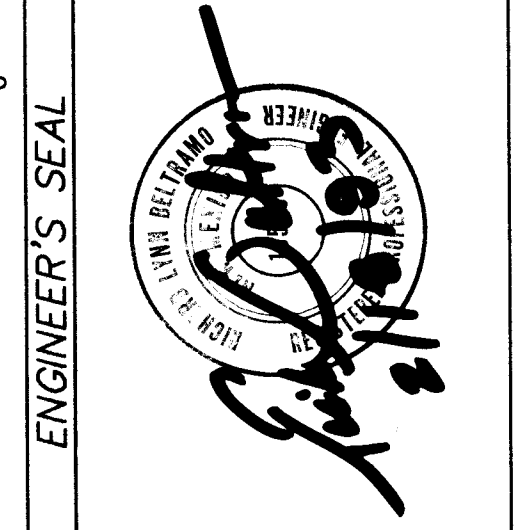
CURVE DATA			
CURVE NO.	DELTA	RADIUS	LENGTH
①	73°32'25"	25.00'	32.09'
②	87°39'29"	25.00'	38.25'
③	71°15'47"	25.00'	31.09'
④	21°04'48"	25.00'	9.20'
⑤	272°20'35"	40.38'	191.91'

AS BUILT INFORMATION			
CONTRACTOR	NEW	CONCEPTS	DATE
WORK BY	CITY		DATE
INSPECTOR'S ACCEPTANCE BY	D. HERBERA		DATE
VERIFICATION BY	CITY D. H.		DATE
DRAWINGS BY			DATE

MICRO-FILM INFORMATION			
RECORDED BY	DATE		
NO.			

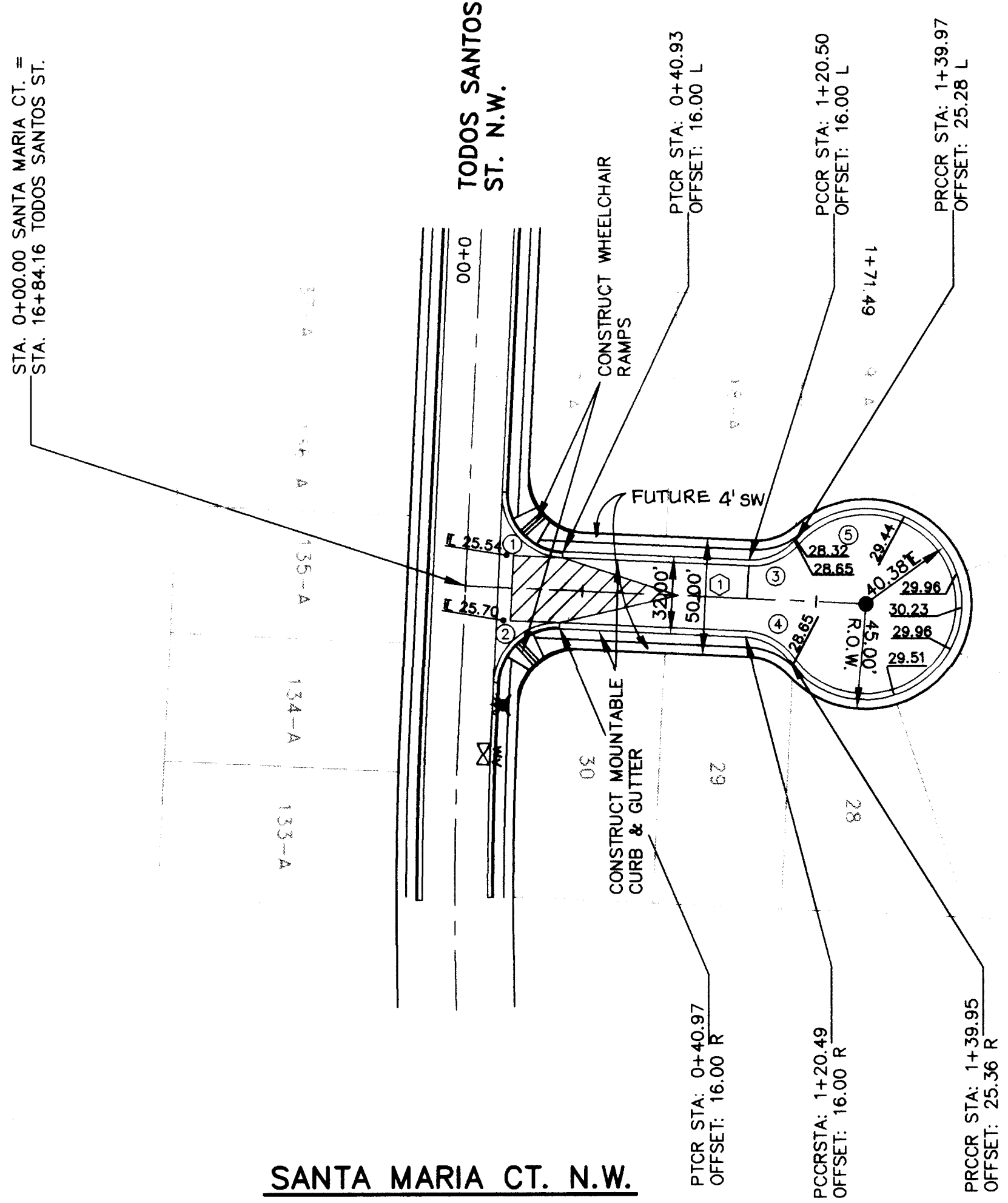
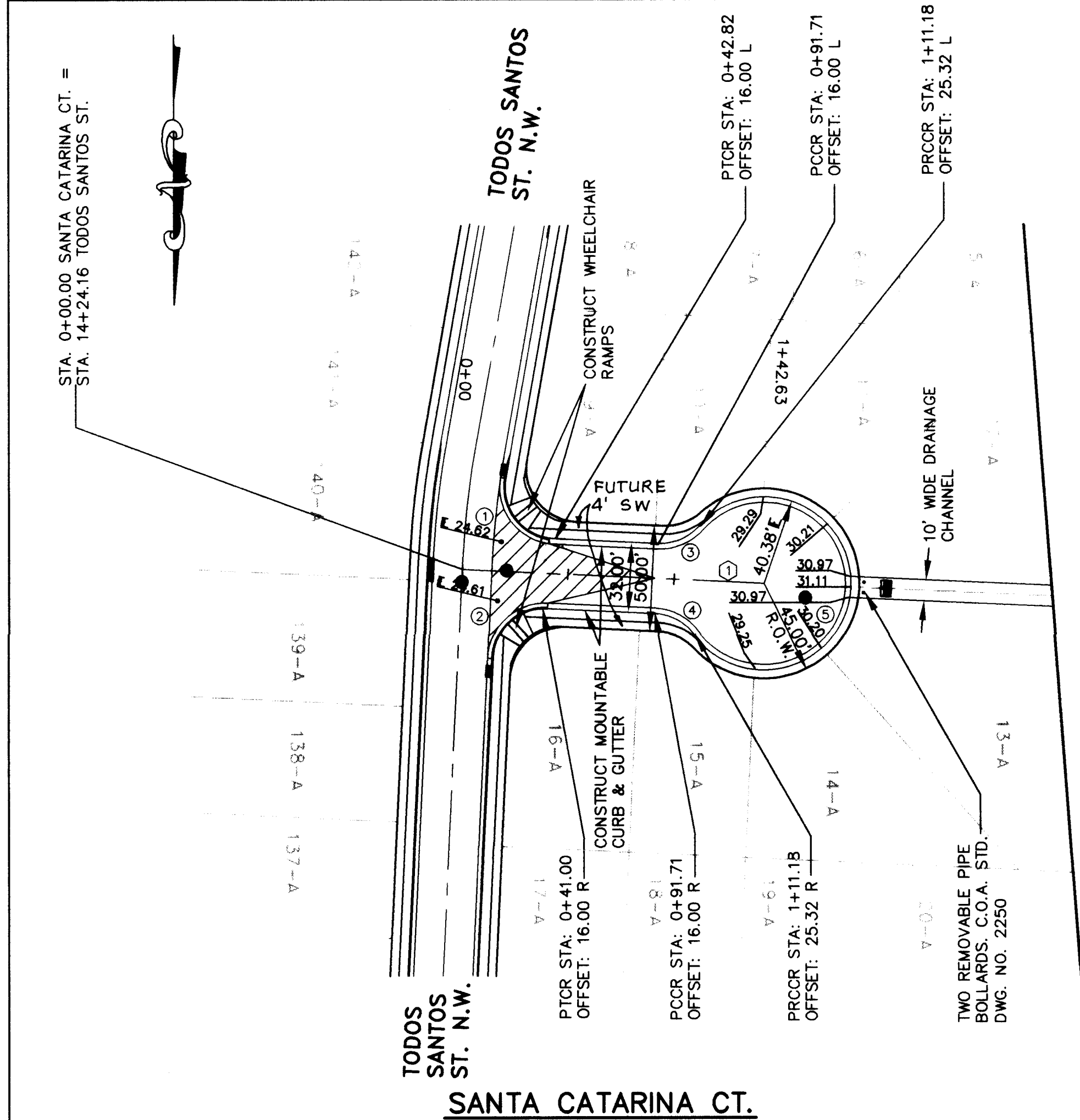
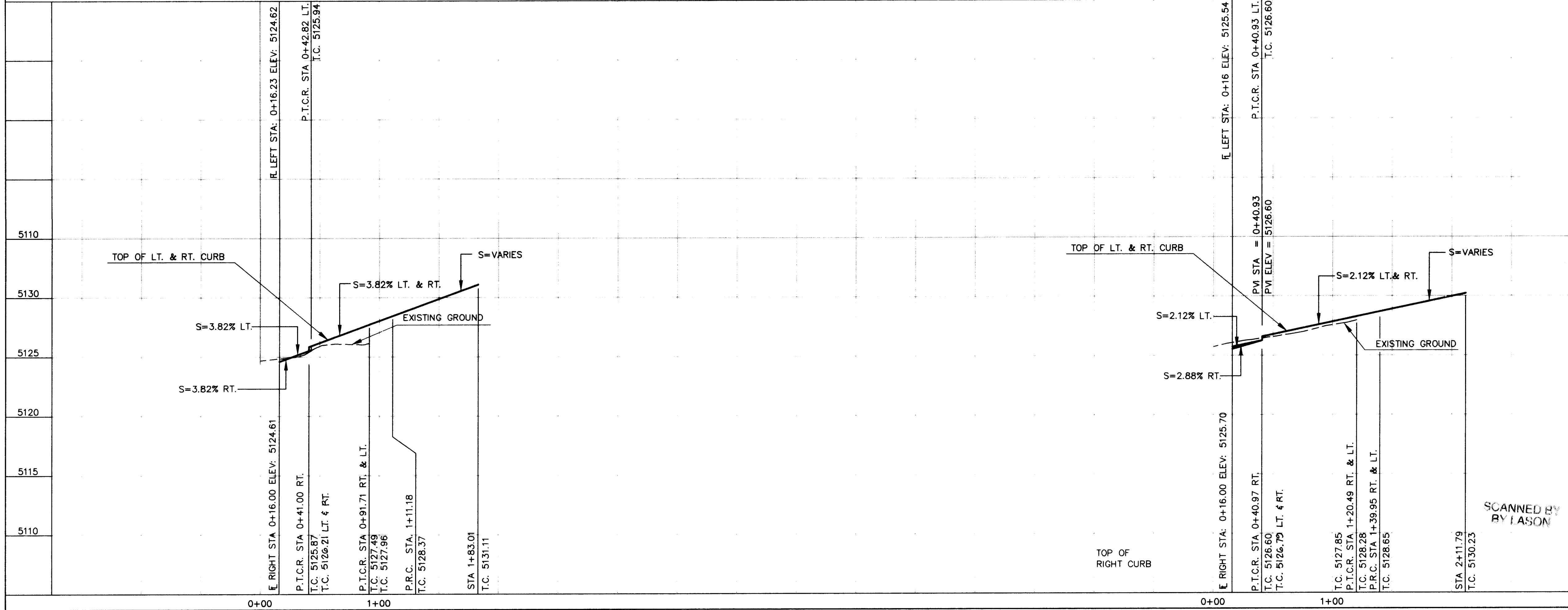
MICRO-FILM INFORMATION			
RECORDED BY	DATE	NO.	DATE

SURVEY INFORMATION	
FIELD NOTES	DATE
BY	
NO.	

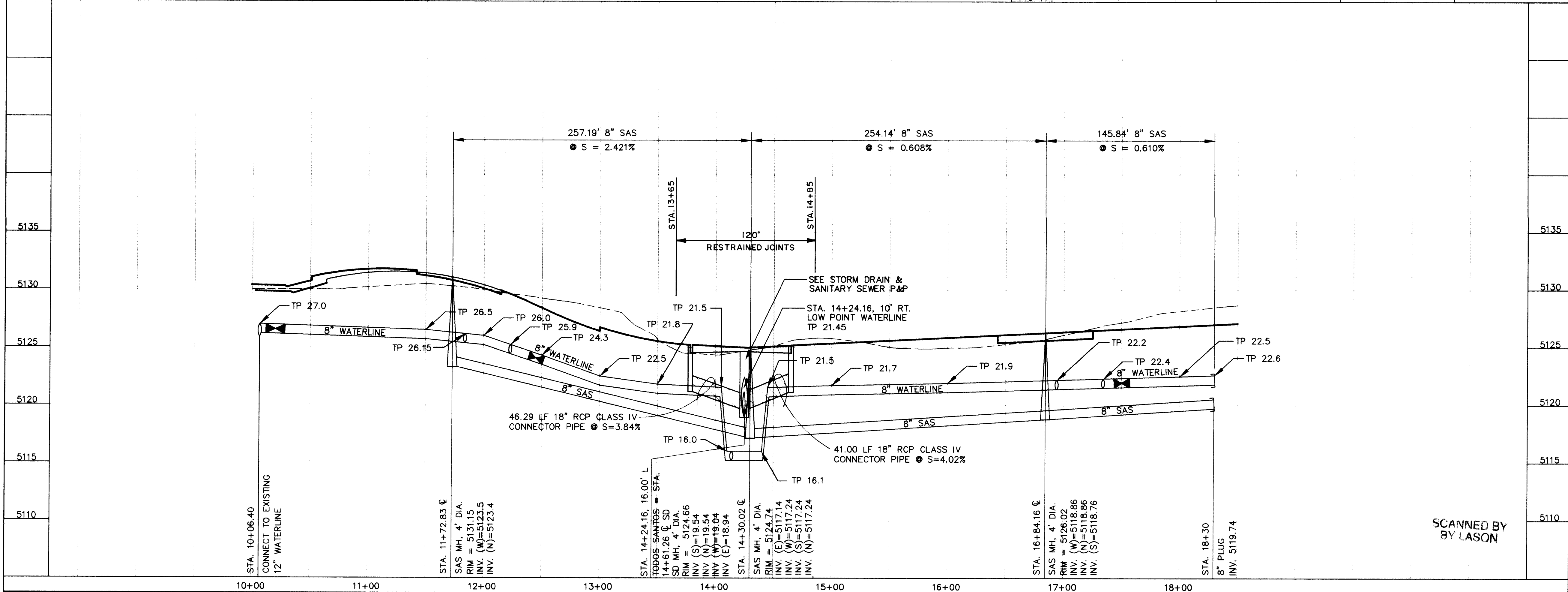
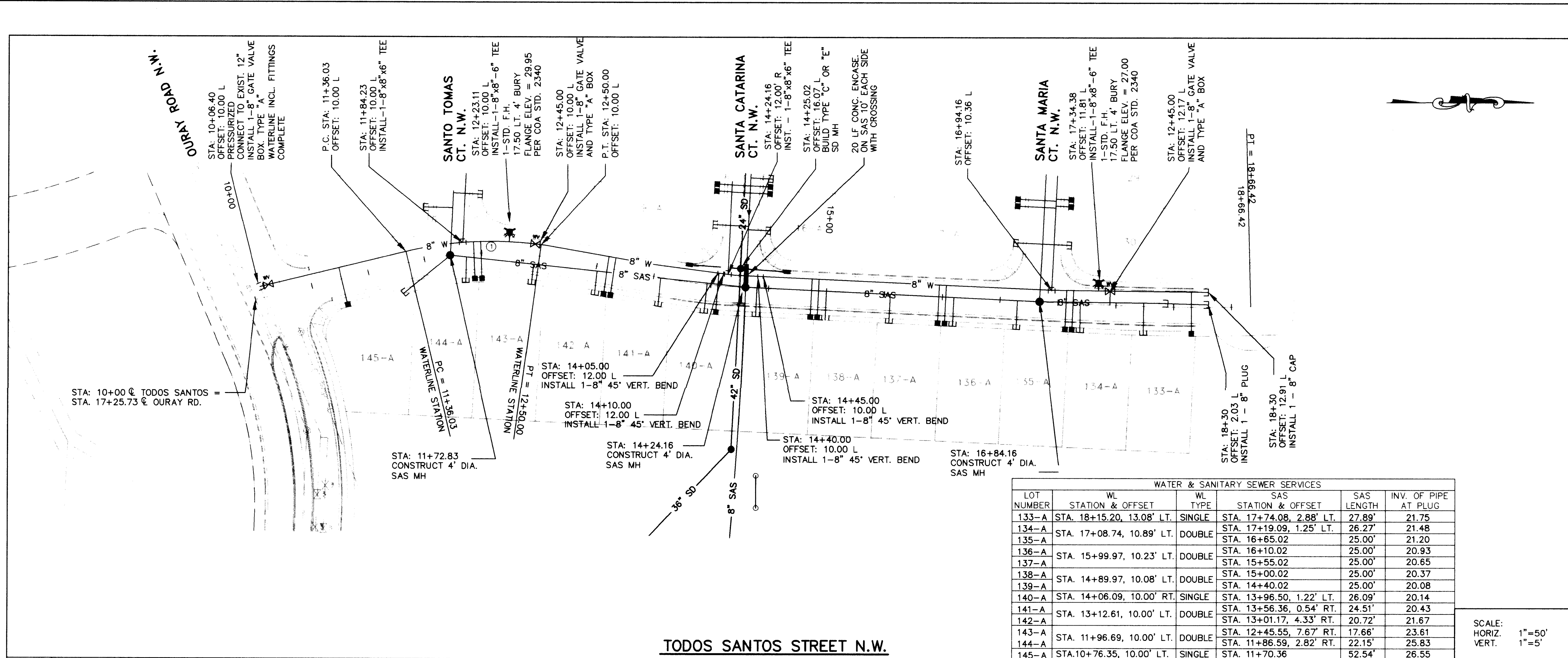


ENGINEER'S SEAL	
NO.	DATE
REMARKS	BY
DESIGN	DATE
DRAWN BY	DATE
CHECKED BY	DATE

SCANNED BY
BY LASON



PAVING 1. ALL STATIONING AND OFFSET DIMENSIONS ARE BASED ON CENTERLINE OF RIGHT-OF-WAY. 2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DRAWINGS ARE APPLICABLE TO THE PAVING CONSTRUCTION: <table><tr><td>2250</td><td>2408</td><td>2420</td><td>2440</td></tr><tr><td>2401</td><td>2411</td><td>2422</td><td>2441</td></tr><tr><td>2402</td><td>2412</td><td>2423</td><td>2442</td></tr><tr><td>2403</td><td>2413</td><td>2424</td><td>2443</td></tr><tr><td>2404</td><td>2414</td><td>2425</td><td>2444</td></tr><tr><td>2405</td><td>2415</td><td>2426</td><td>2445</td></tr><tr><td>2406</td><td>2416</td><td>2427</td><td>2446</td></tr><tr><td>2407</td><td>2417</td><td>2428</td><td>2447</td></tr><tr><td>2408</td><td>2418</td><td>2429</td><td>2448</td></tr><tr><td>2409</td><td>2419</td><td>2430</td><td>2449</td></tr></table>		2250	2408	2420	2440	2401	2411	2422	2441	2402	2412	2423	2442	2403	2413	2424	2443	2404	2414	2425	2444	2405	2415	2426	2445	2406	2416	2427	2446	2407	2417	2428	2447	2408	2418	2429	2448	2409	2419	2430	2449	AS BUILT INFORMATION CONTRACTOR: <i>NEW Concepts</i> DATE: <i>8/13</i> CITY: <i>City</i> FIELD: <i>City</i> ACCEPTANCE BY: <i>City</i> DATE: <i>8/13</i> DRAWING: <i>City</i> DATE: <i>8/13</i> CORRECTED BY: <i>City</i> DATE: <i>8/13</i>	
2250	2408	2420	2440																																								
2401	2411	2422	2441																																								
2402	2412	2423	2442																																								
2403	2413	2424	2443																																								
2404	2414	2425	2444																																								
2405	2415	2426	2445																																								
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2407	2417	2428	2447																																								
2408	2418	2429	2448																																								
2409	2419	2430	2449																																								
ADDITIONAL COURSES/SANTA CATARINA CT. N.W. REF. NO. BEARING DISTANCE ① S87°16'54"E 142.63		BENCH MARKS THE STATION IS LOCATED 5.0 MI. NW OF DOWNTOWN ALBUQUERQUE, ON TOP OF A VOLCANIC OUTCROP. TO REACH THE STATION FROM THE INTERSECTION OF COORS RD. AND QUAY RD. NW GO WEST ON QUAY ABOUT 0.7 MI. TO THE END OF PAVEMENT. CONTINUE W ON THE DIRT ROAD TO THE TOP OF THE DETENTION DAM, ALONG THE N BANK OF THE DAM 0.6 MI. TO A DIRT CROSS ROAD. TURN RIGHT, GO N ON THE DIRT ROAD 0.5 MI. THE STATION IS ABOUT 600 FT. W OF THIS POINT. THE STATION MARK IS AN ACS BRASS TABLET STAMPED "2-09" SET IN A 2 IN. IRON PIPE 1 FT. ABOVE GROUND. SLD 1929 ELEVATION = 5334.50																																									
CURVE DATA CURVE NO. DELTA RADIUS LENGTH TAN ① 97°18'21" 25.00' 42.46' 28.41" ② 90°00'00" 25.00' 39.27' 25.00" ③ 51°09'35" 25.00' 22.32' 11.97" ④ 51°09'35" 25.00' 22.32' 11.97" ⑤ 282°19'10" 40.38' 198.94' 32.51'		CURVE DATA CURVE NO. DELTA RADIUS LENGTH TAN ① 90°00'00" 25.00' 39.27' 25.00" ② 89°31'41" 25.00' 39.06' 24.79" ③ 51°09'35" 25.00' 22.32' 11.97" ④ 51°09'35" 25.00' 22.32' 11.97" ⑤ 282°19'10" 40.38' 198.94' 32.51'																																									
ADDITIONAL COURSES/SANTA MARIA CT. N.W. REF. NO. BEARING DISTANCE ① S87°16'54"E 171.49		LEGEND CENTERLINE OF STREET EXISTING CURB & GUTTER PROPOSED CURB & GUTTER & GUTTER PROPOSED WHEELCHAIR RAMP PROPOSED TEMPORARY PAVING PROPOSED CONCRETE VALLEY GUTTER TRANSITION FROM CROWN TO NO CROWN TRANSITION FROM FULL CROWN TO HALF CROWN PROPOSED SANITARY SEWER MANHOLE PROPOSED STREET LIGHT LOCATION																																									
SCALE: HORIZ. 1"=50' VERT. 1"=5'		ENGINEER'S SEAL 																																									
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP		DESIGNED BY DRAWN BY CHECKED BY																																									
TITLE: LADERA WEST SUBDIVISION - UNIT I SANTA CATARINA COURT N.W. STA. 0+00.00 TO STA. 1+42.63 SANTA MARIA COURT N.W. STA. 0+00.00 TO STA. 1+71.49 PAVING PLAN AND PROFILE		NO. DATE REMARKS BY																																									
APPROVALS ENGINEER DATE D.R.C. Chair <i>David A. Lason</i> 8-3-13 Transportation <i>David A. Lason</i> 8-3-13 Hydrology <i>David A. Lason</i> 8-3-13		APPROVALS ENGINEER DATE Water <i>N/A</i> RWK 3-1-93 Waste Water <i>N/A</i> RWK 3-1-93																																									
DRAWING NO. 4450.90		MAP NO. G-10-Z																																									
SHEET 9		OF 16																																									



WATER AND SANITARY SEWER

1. ALL STATIONING AND OFFSET DIMENSIONS ARE BASED ON CENTERLINE OF RIGHT-OF-WAY.

2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DRAWINGS ARE APPLICABLE TO THE WATER AND SANITARY SEWER CONSTRUCTION:

2102	2145	2328	2347	2366
2110	2315	2333	2360	2368
2118	2320	2340	2361	2369
2125	2325	2344	2362	

3. SINGLE METERS PER SD 2367
DOUBLE METERS PER SD 2366

4. RESTRAINED JOINTS ON ALL FITTINGS MANUFACTURERS SPECIFICATIONS.

WATERLINE CURVE DATA

CURVE NO.	DELTA	RADIUS	LENGTH	TAN
1	23°45'56"	314.19'	130.32'	66.11'

LEGEND

— W —	EXISTING WATERLINE
— SD —	EXISTING STORM DRAIN
— SAS —	EXISTING SANITARY SEWER
⊙	EXISTING MANHOLE
⊙	EXISTING FIRE HYDRANT
⊙	EXISTING GATE VALVE
— W —	PROPOSED WATERLINE
— SD —	PROPOSED STORM DRAIN
— SAS —	PROPOSED SANITARY SEWER
⊙	PROPOSED MANHOLE
⊙	PROPOSED FIRE HYDRANT
⊙	PROPOSED GATE VALVE
⊙	PROPOSED CAP OR PLUG
⊙	PROPOSED SINGLE METER, WATER SERVICE LINE
⊙	PROPOSED DOUBLE METER, WATER SERVICE LINES
⊙	PROPOSED SANITARY SEWER SERVICE LINE
+	PROPOSED CROSS, TEE, OR ELBOW

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

AS BUILT INFORMATION

CONTRACTOR: NEW GASETT
WORK: WATER AND SANITARY SEWER
DATE: 8/13/93
CITY: ALBUQUERQUE
FIELD: BUD HERRERA
DATE: 8/13/93
DRAWN: J. L. HERRERA
DATE: 8/13/93
RECORDED BY: J. L. HERRERA
DATE: 8/13/93
NO. 5334.90

BENCH MARKS

THE STATION IS LOCATED 5.0 MI. NW OF DOWNTOWN ALBUQUERQUE, ON TOP OF A VOLCANIC OUTCROP. TO REACH THE STATION FROM THE INTERSECTION OF COORS RD. AND OURAY RD. NW GO WEST ON OURAY ABOUT 0.7 MI. TO THE END OF PAVEMENT. CONTINUE W ON THE DIRT ROAD TO THE TOP OF THE DETENTION DAM. ALONG THE N BANK OF THE DAM 0.6 MI. TO A DIRT CROSS ROAD. TURN RIGHT. GO N ON THE DIRT ROAD 0.5 MI. THE STATION IS ABOUT 600 FT. W OF THIS POINT. THE STATION MARK IS AN ACS BRASS TABLET STAMPED "2-08" SET IN A 2 IN. IRON PIPE 1 FT. ABOVE GROUND. SLD 1929 ELEVATION = 5334.90

SURVEY INFORMATION

DATE: 8/13/93
BY: J. L. HERRERA
NO. 5334.90

ENGINEER'S SEAL

DATE: 8/13/93
BY: J. L. HERRERA
NO. 5334.90

REMARKS

DESIGN
DATE: 8/13/93
DRAWN BY: J. L. HERRERA
CHECKED BY: J. L. HERRERA

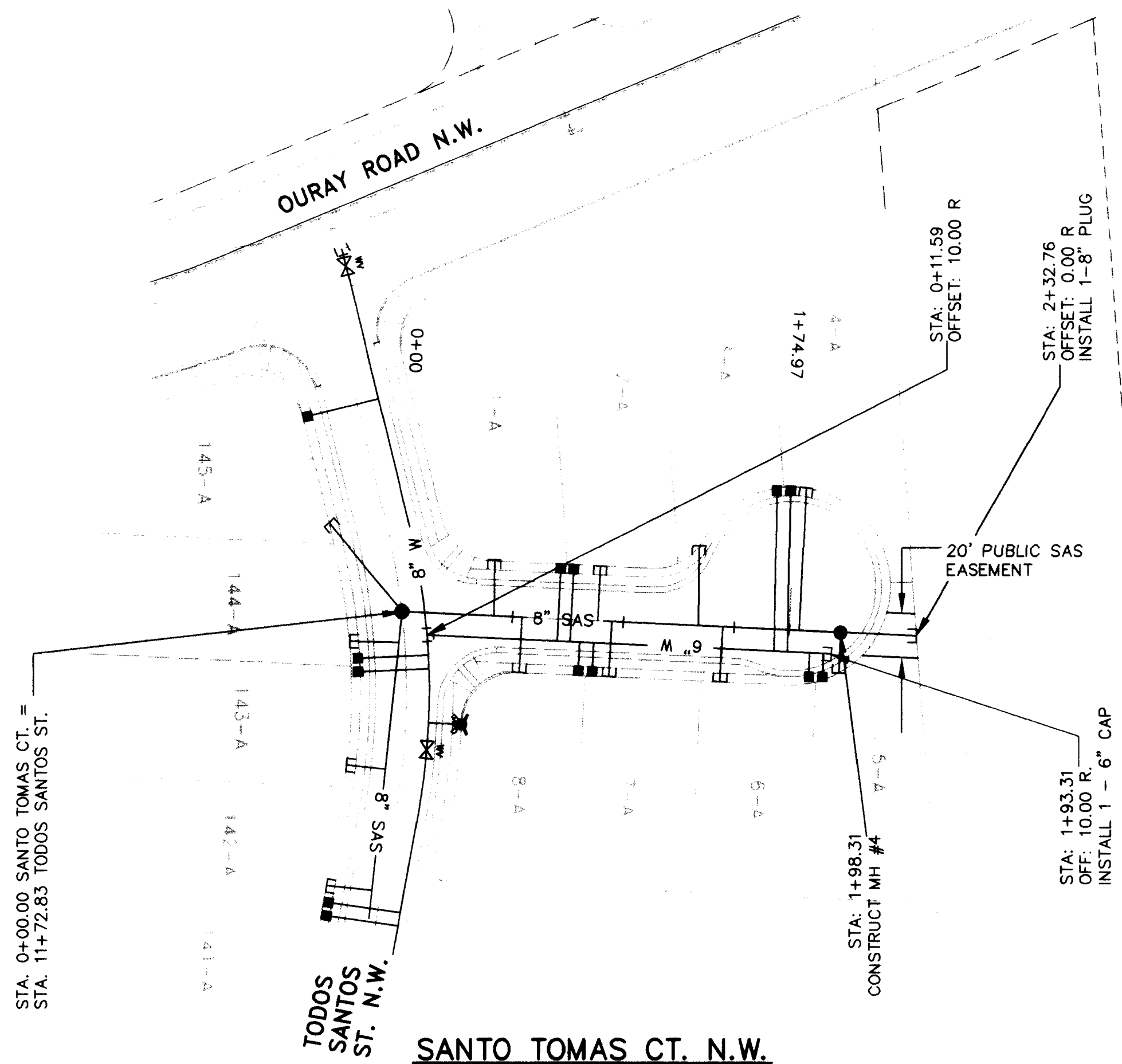
**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**

TITLE:
LADERA WEST SUBDIVISION
TODOS SANTOS ST. N.W. STA. 0+00.00 TO STA. 18+66.42
UTILITY PLAN AND PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	J. L. HERRERA	8-2-93	Water	R.W. Kame	3-1-93
Transportation	J. L. HERRERA	8-2-93	Waste Water	R.W. Kame	3-1-93
Hydrology	J. L. HERRERA	8-2-93			

DRAWING NO. 4450.90 **MAP NO.** G-10-Z **SHEET** OF 16

SCANNED BY
BY LASON



WATER & SANITARY SEWER SERVICES					
LOT NUMBER	WL STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	INV. OF PIPE AT PLUG
1-A	STA: 0+73.52, 10.00' R	DOUBLE	STA: 0+41.48, 0.00	25.00'	26.60
2-A	STA: 0+73.52, 10.00' R	DOUBLE	STA: 0+88.55, 0.00	25.00'	26.84
3-A	STA: 1+69.39, 10.00' R	DOUBLE	STA: 1+33.81, 0.00	36.25'	27.20
4-A	STA: 1+69.39, 10.00' R	DOUBLE	STA: 1+79.39, 0.00	64.65'	27.42
5-A	STA: 1+88.31, 10.00' R	DOUBLE	STA: 1+98.31, 0.00	18.48'	27.35
6-A	STA: 1+88.31, 10.00' R	DOUBLE	STA: 1+44.97, 0.00	25.00'	27.16
7-A	STA: 0+84.20, 10.00' R	DOUBLE	STA: 0+94.97, 0.00	25.00'	26.69
8-A	STA: 0+84.20, 10.00' R	DOUBLE	STA: 0+54.20, 0.00	25.00'	26.17

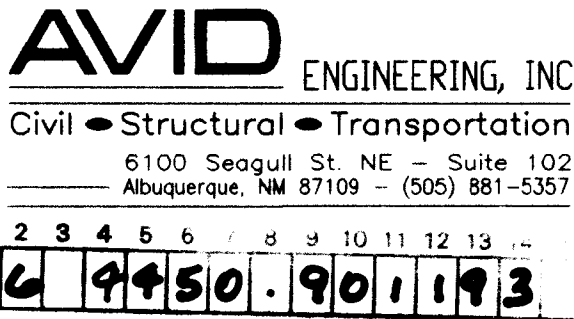
SCALE:
HORIZ. 1"=50'
VERT. 1"=5'

- WATER AND SANITARY SEWER**
1. ALL STATIONING AND OFFSET DIMENSIONS ARE BASED ON CENTERLINE OF RIGHT-OF-WAY.
 2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DRAWINGS ARE APPLICABLE TO THE WATER AND SANITARY SEWER CONSTRUCTION:
2102 2145 2328 2347 2366
2110 2315 2333 2360 2368
2118 2320 2340 2361 2369
2125 2325 2344 2362
 3. SINGLE METERS PER SD 2367
DOUBLE METERS PER SD 2366
 4. RESTRAINED JOINTS ON ALL FITTINGS MANUFACTURERS SPECIFICATIONS.

LEGEND

- EXISTING WATERLINE
EXISTING STORM DRAIN
EXISTING SANITARY SEWER
EXISTING MANHOLE
EXISTING FIRE HYDRANT
EXISTING GATE VALVE
PROPOSED WATERLINE
PROPOSED STORM DRAIN
PROPOSED SANITARY SEWER
PROPOSED MANHOLE
PROPOSED FIRE HYDRANT
PROPOSED GATE VALVE
PROPOSED CAP OR PLUG
PROPOSED SINGLE METER, WATER SERVICE LINE
PROPOSED DOUBLE METER, WATER SERVICE LINES
PROPOSED SANITARY SEWER SERVICE LINE
PROPOSED CROSS, TEE, OR ELBOW

SCANNED BY
BY: LASON

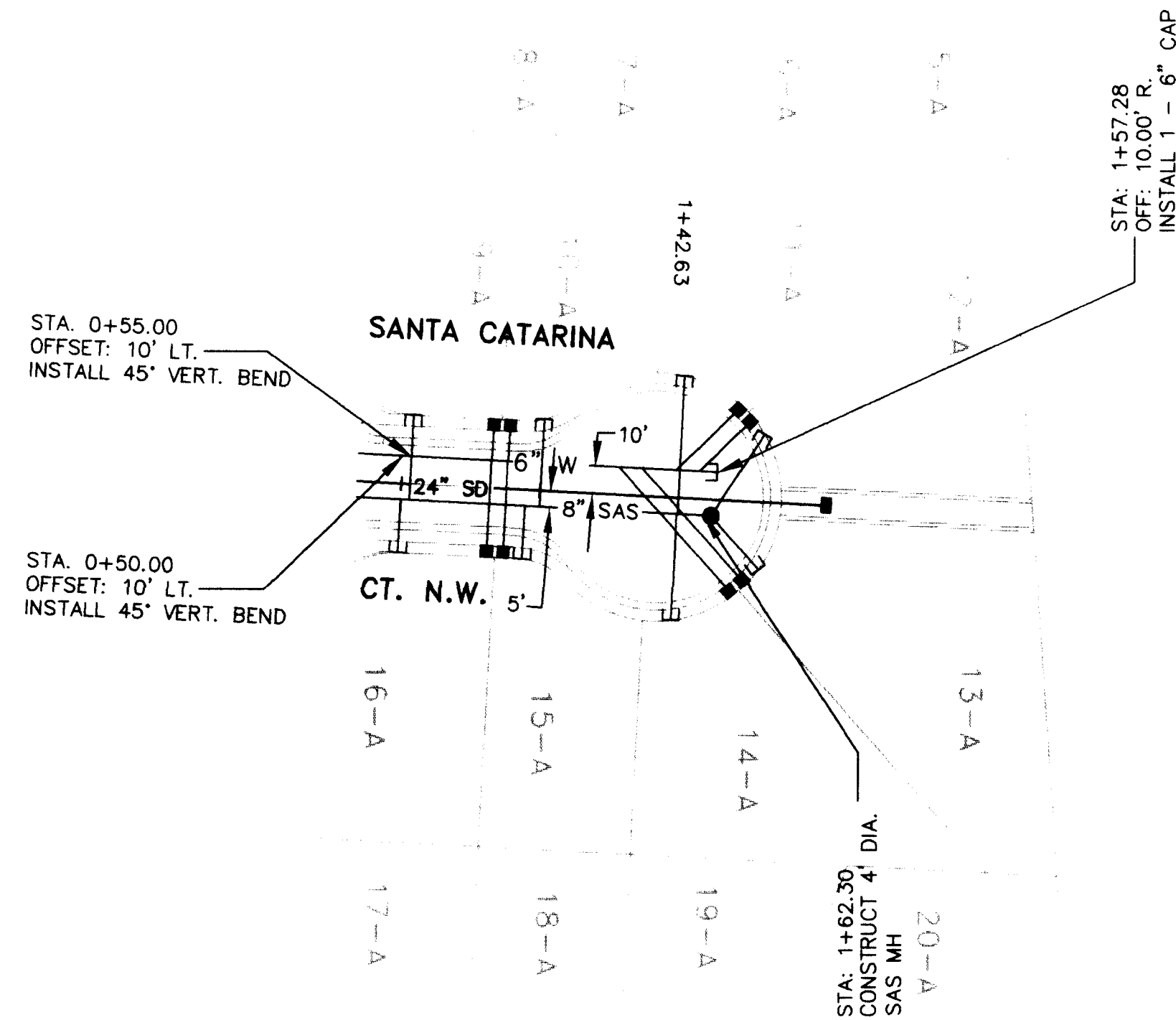


CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: LADERA WEST SUBDIVISION
SANTO TOMAS CT. N.W. STA. 0+00.00 TO STA. 1+74.97
UTILITY PLAN AND PROFILE

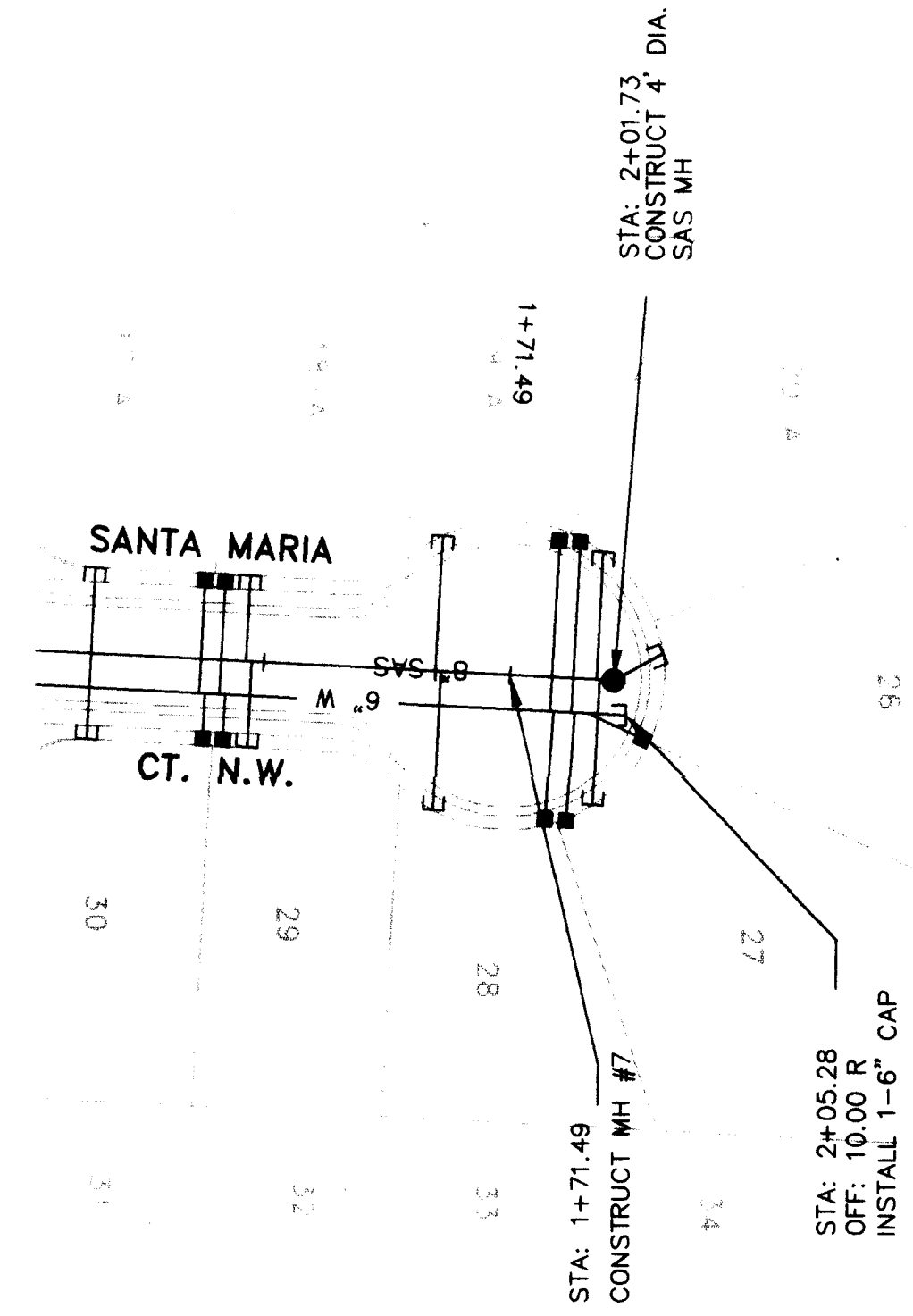
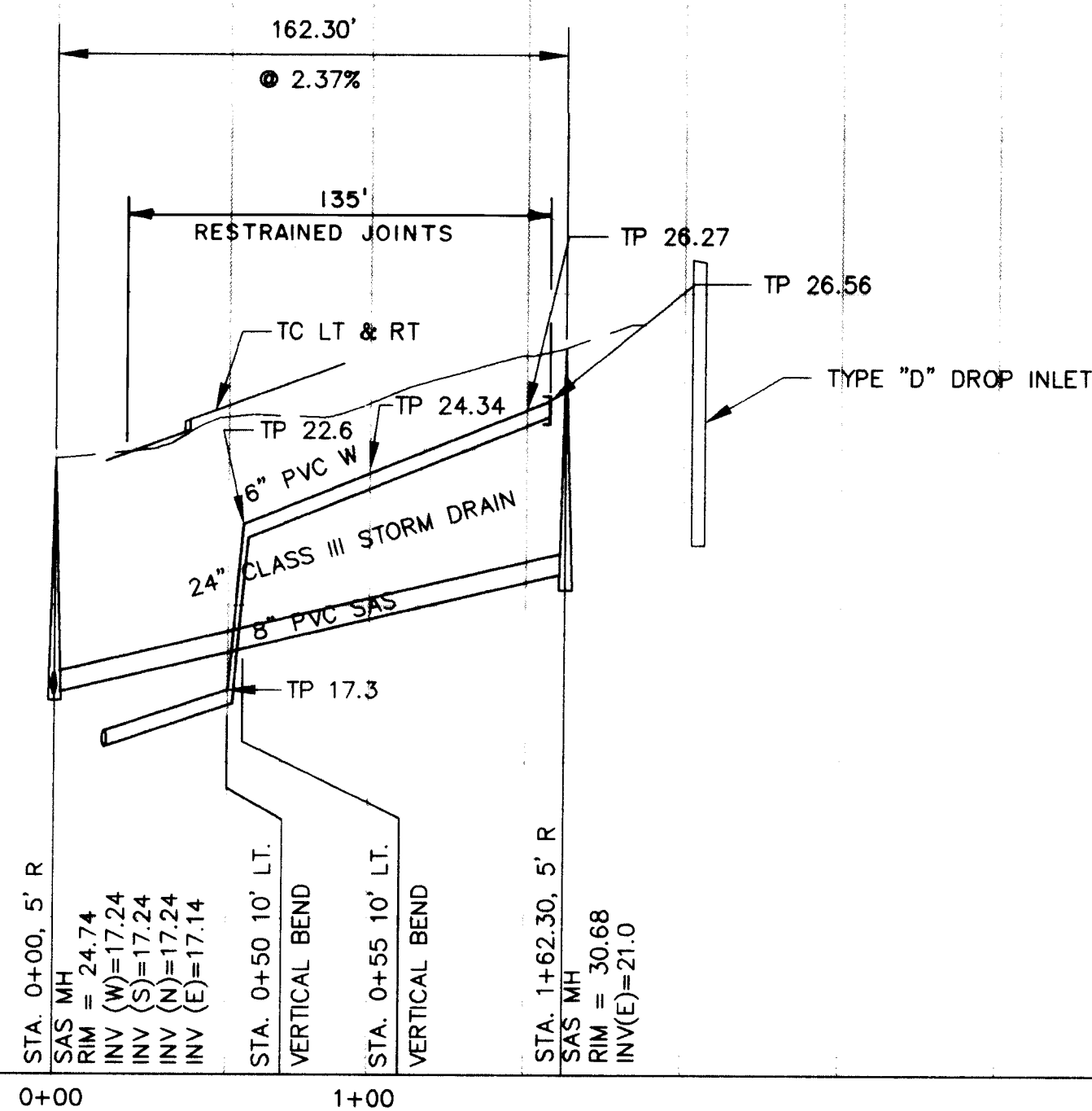
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	3-3-93	Water	<i>R.W. Kane</i>	3-1-93
Transportation	<i>[Signature]</i>	3-3-93	Waste Water	<i>R.W. Kane</i>	3-1-93
Hydrology	<i>[Signature]</i>	3-3-93			

DRAWING NO. 4450.90 MAP NO. G-10-Z SHEET 11 OF 16



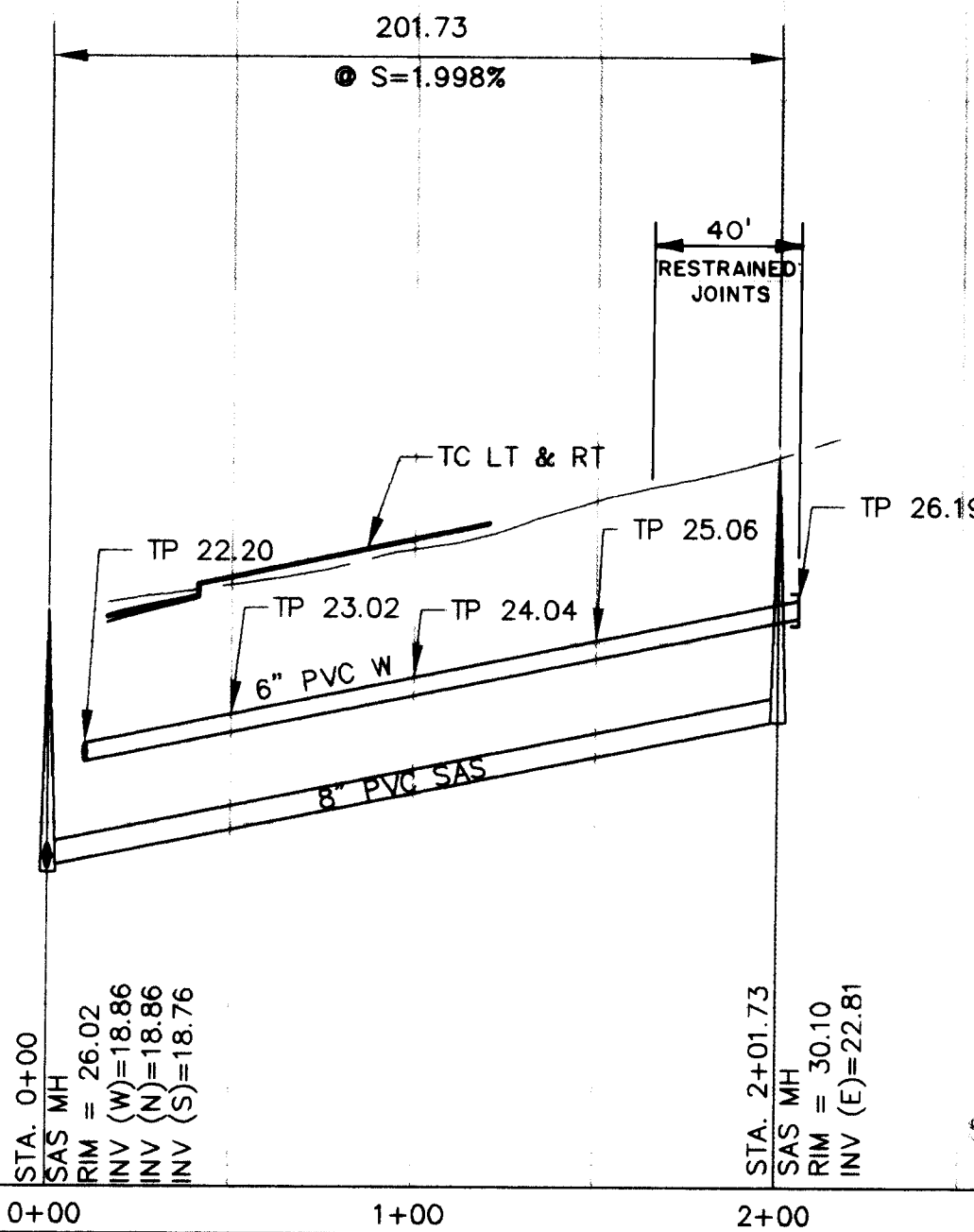
SANTA CATARINA CT. N.W.

WATER & SANITARY SEWER SERVICES					
LOT NUMBER	STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	INV. OF PIPE AT PLUG
9-A	STA: 0+85.35, 10.00' L	DOUBLE	STA: 0+53.04, 5.86' R	30.86'	20.94
10-A			STA: 1+00.35, 5.86' R	31.78'	23.02
11-A	STA: 1+52.28, 10.00' L	DOUBLE	STA: 1+50.34, 5.86' R	50.20'	24.57
12-A			STA: 1+62.30, 5.86' R	35.40'	25.49
13-A	STA: 1+32.89, 10.00' L	DOUBLE	STA: 1+62.30, 5.86' R	25.95'	25.48
14-A			STA: 1+49.85, 5.86' R	38.53'	24.53
15-A	STA: 0+85.00, 10.00' L	DOUBLE	STA: 0+95.12, 5.86' R	19.20'	22.85
16-A			STA: 0+50.00, 5.86' R	19.14'	20.87



SANTA MARIA CT. N.W.

WATER & SANITARY SEWER SERVICES					
LOT NUMBER	STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	INV. OF PIPE AT PLUG
17-A	STA: 0+85.00, 10.00' R	DOUBLE	STA: 0+50.00, 0.00	25.00'	21.60
18-A			STA: 0+94.93, 0.00	25.00'	22.55
19-A	STA: 1+86.81, 10.00' R	DOUBLE	STA: 1+50.00, 0.00	39.54'	23.85
20-A			STA: 1+96.81, 0.00	37.20'	24.62
26	STA: 1+95.28, 10.00' R	SINGLE	STA: 2+01.73, 0.00	16.35'	25.12
27	STA: 1+87.72, 10.00' R	DOUBLE	STA: 1+97.72, 0.00	36.56'	24.70
28			STA: 1+51.61, 0.00	40.37'	23.85
29	STA: 0+86.61, 10.00' R	DOUBLE	STA: 0+96.51, 0.00	25.00'	22.76
30			STA: 0+50.00, 0.00	25.00'	21.60



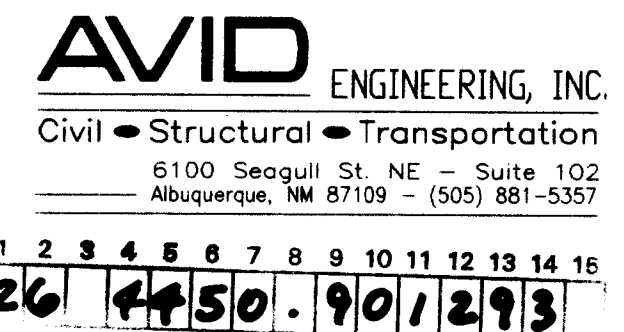
- WATER AND SANITARY SEWER**
- ALL STATIONING AND OFFSET DIMENSIONS ARE BASED ON CENTERLINE OF RIGHT-OF-WAY.
 - THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DRAWINGS ARE APPLICABLE TO THE WATER AND SANITARY SEWER CONSTRUCTION:

2102	2145	2328	2347	2366
2110	2315	2333	2360	2368
2118	2320	2340	2361	2369
2125	2325	2344	2362	
 - SINGLE METERS PER SD 2367
DOUBLE METERS PER SD 2366
 - RESTRAINED JOINTS ON ALL FITTINGS
MANUFACTURERS SPECIFICATIONS.

LEGEND

- W — EXISTING WATERLINE
- SD — EXISTING STORM DRAIN
- SAS — EXISTING SANITARY SEWER
- ⊙ EXISTING MANHOLE
- ⊗ EXISTING FIRE HYDRANT
- ⊕ EXISTING GATE VALVE
- W — PROPOSED WATERLINE
- SD — PROPOSED STORM DRAIN
- SAS — PROPOSED SANITARY SEWER
- PROPOSED MANHOLE
- ⊗ PROPOSED FIRE HYDRANT
- ⊕ PROPOSED GATE VALVE
- — PROPOSED CAP OR PLUG
- — PROPOSED SINGLE METER, WATER SERVICE LINE
- — PROPOSED DOUBLE METER, WATER SERVICE LINES
- — PROPOSED SANITARY SEWER SERVICE LINE
- + + + PROPOSED CROSS, TEE, OR ELBOW

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

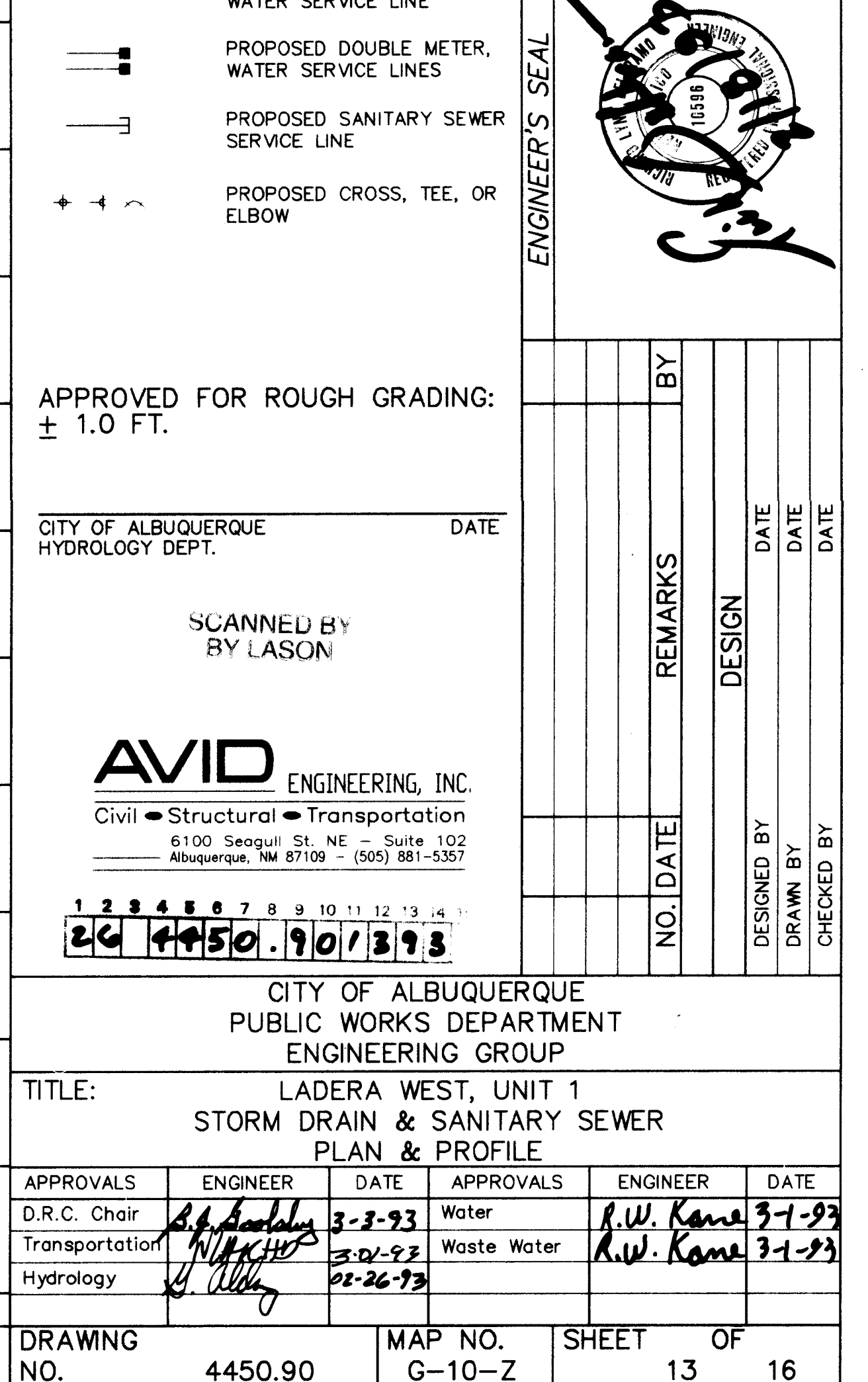
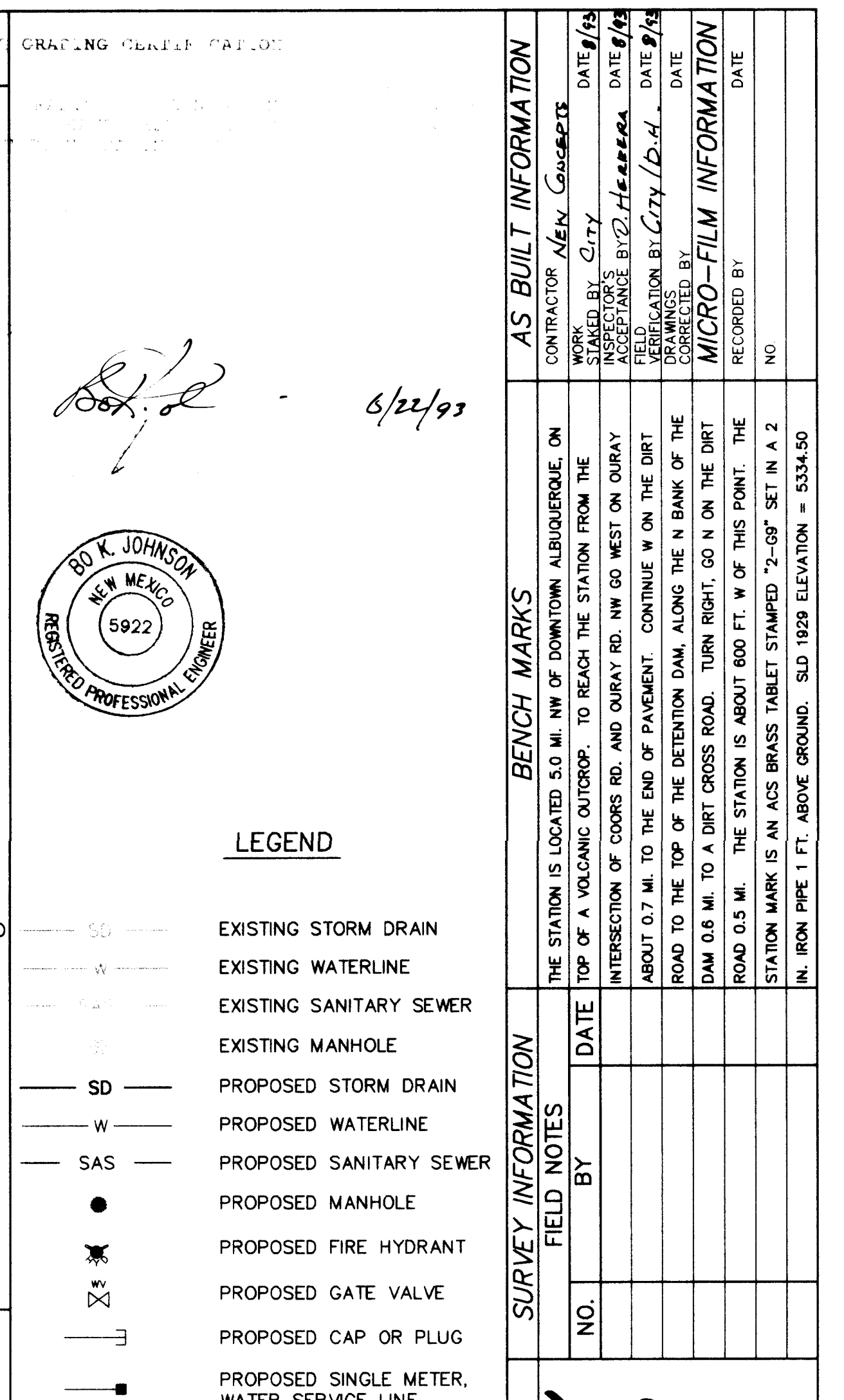


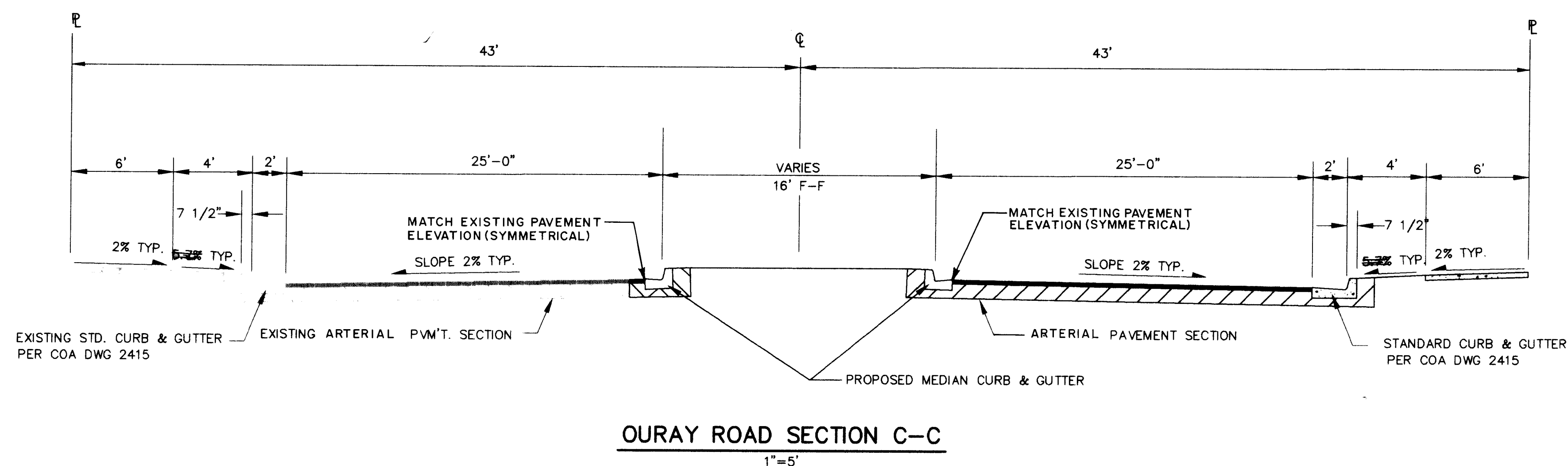
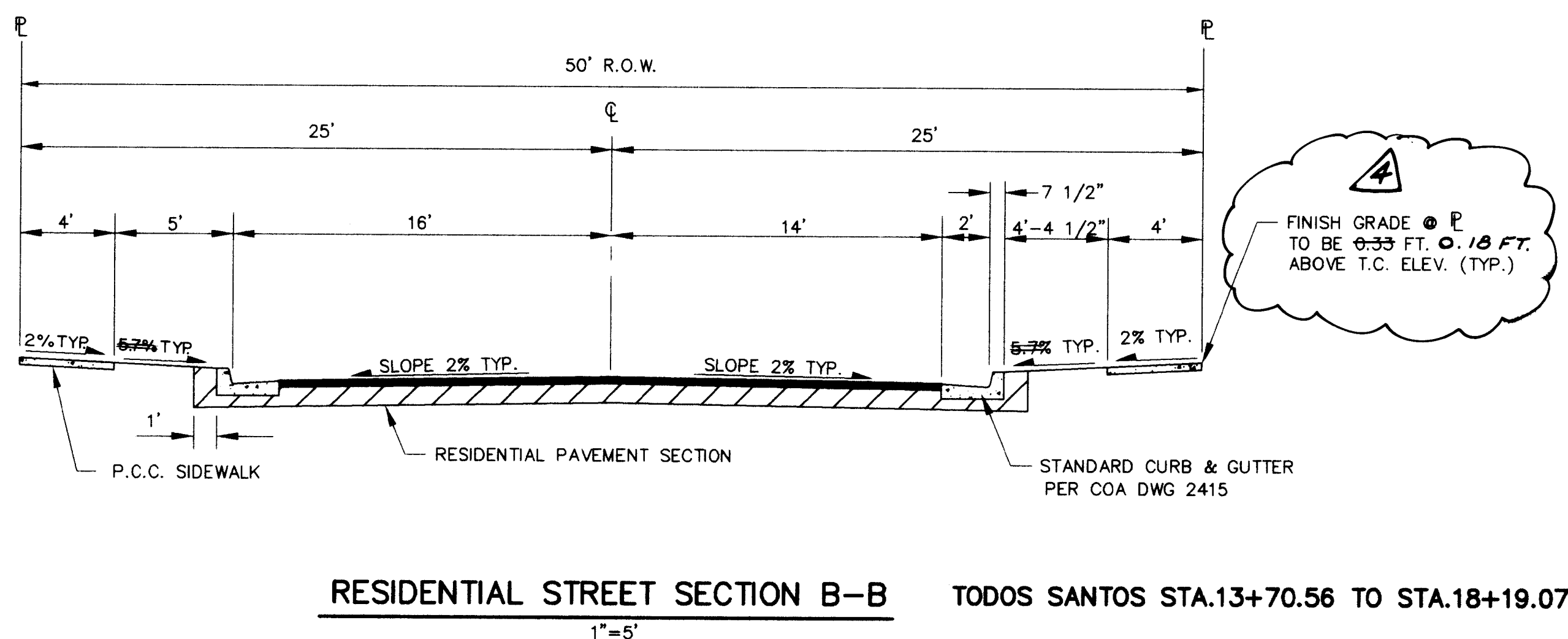
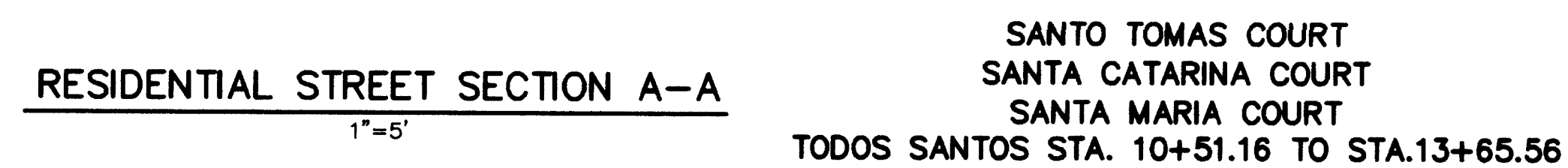
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: LADERA WEST SUBDIVISION - UNIT I
SANTA CATARINA COURT N.W. STA. 0+00.00 TO STA. 1+42.63
SANTA MARIA COURT N.W. STA. 0+00.00 TO STA. 1+71.49
UTILITY PLAN AND PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	3-3-93	Water	<i>[Signature]</i>	3-1-93
Transportation	<i>[Signature]</i>	3-20-93	Waste Water	<i>[Signature]</i>	3-1-93
Hydrology	<i>[Signature]</i>	3-26-93			

DRAWING NO. 4450.90 MAP NO. G-10-Z SHEET 12 OF 16



[illegible]

SCANNED BY
BY LASON

AVID ENGINEERING, INC.
Civil • Structural • Transportation
6100 Seagull St. NE - Suite 102
Albuquerque, NM 87109 - (505) 881-5357

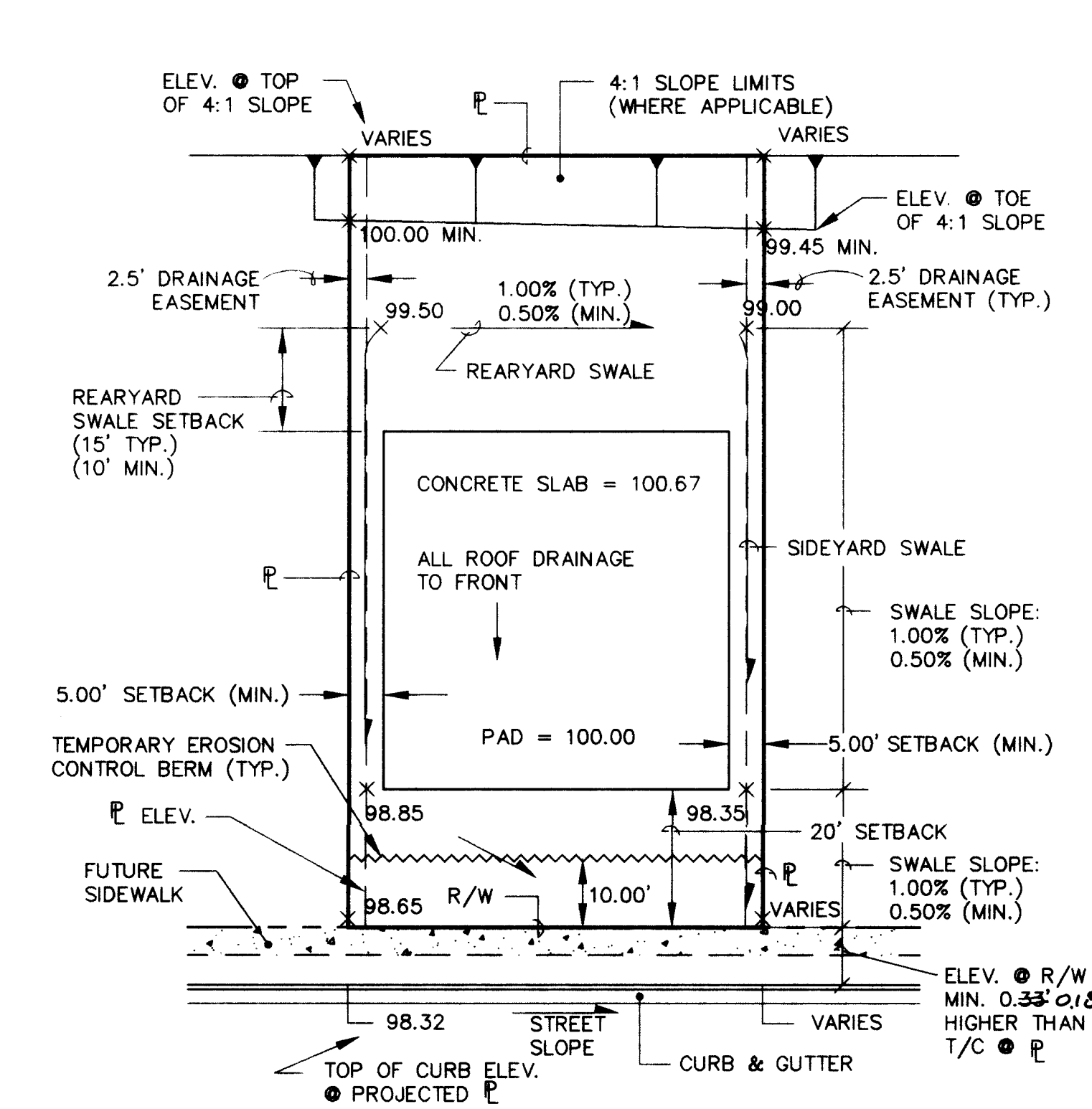
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

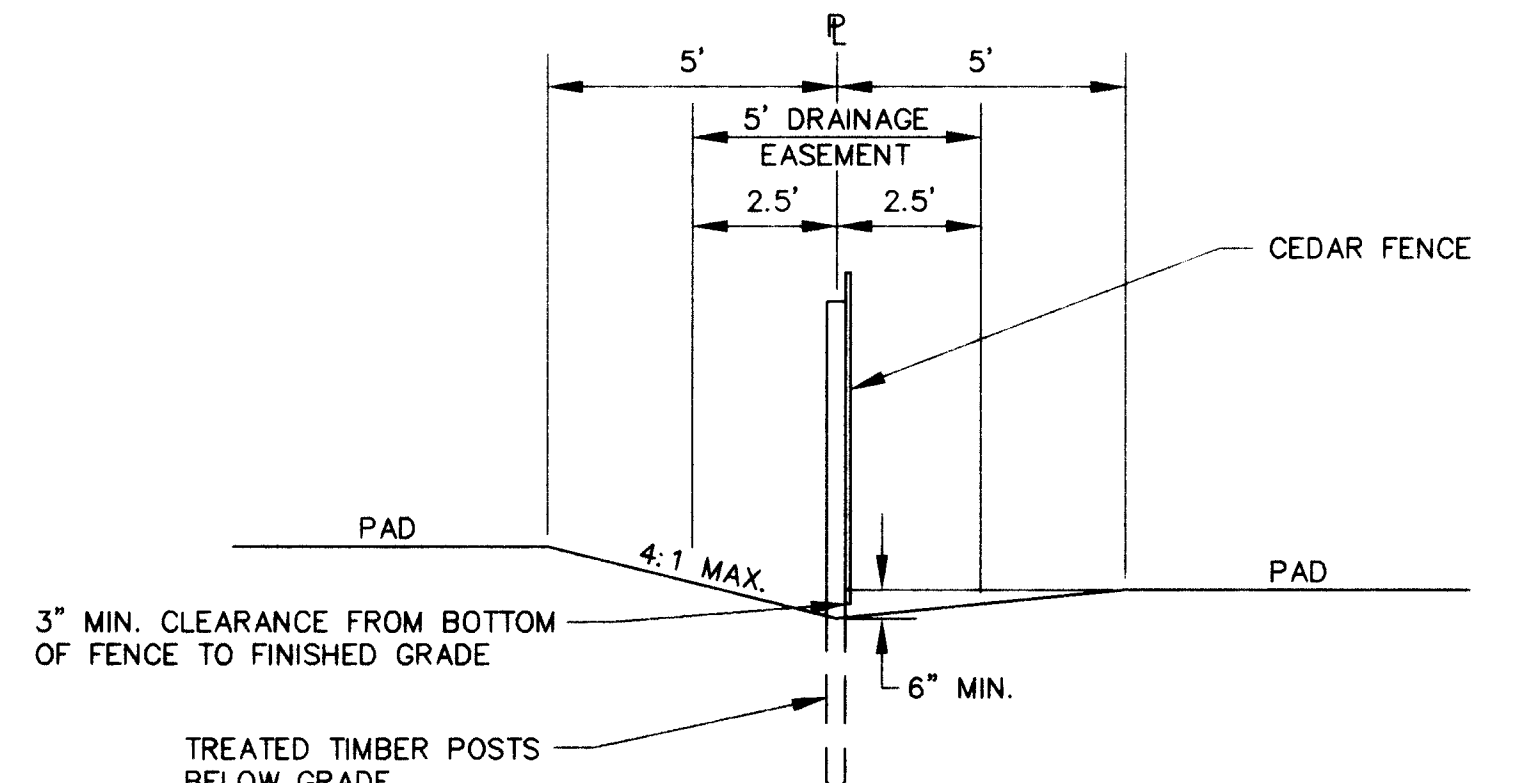
TITLE: LADERA WEST - UNIT
STREET PAVING SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	3-2-93	Water	N/A RWK	3-1-93
Transportation	<i>[Signature]</i>	3-0-93	Waste Water	N/A RWK	3-1-93
Hydrology	<i>[Signature]</i>	02-26-93			

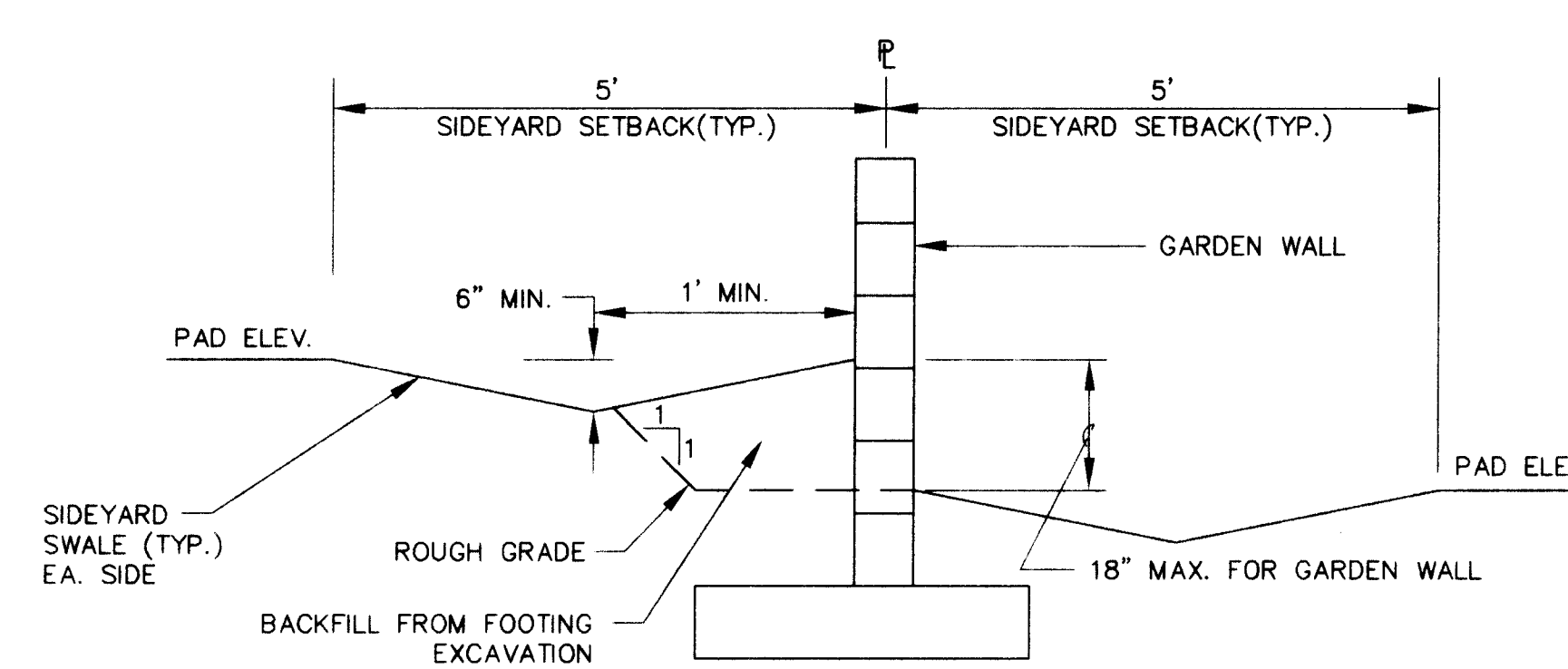
DRAWING NO.	4450.90	MAP NO. G-10-Z	SHEET 14	OF 16
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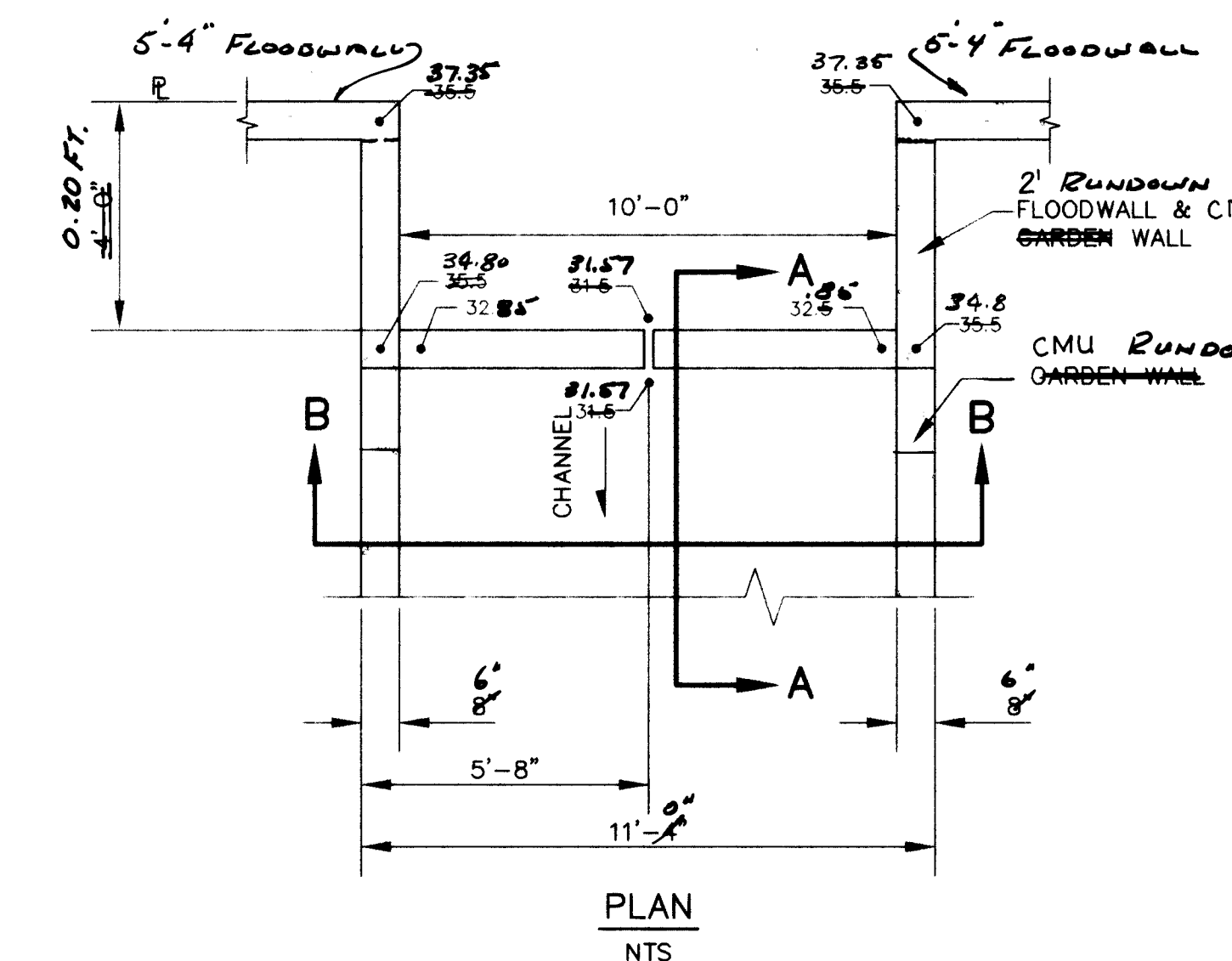
TYPICAL LOT GRADING DETAIL
SCALE: 1"=20'



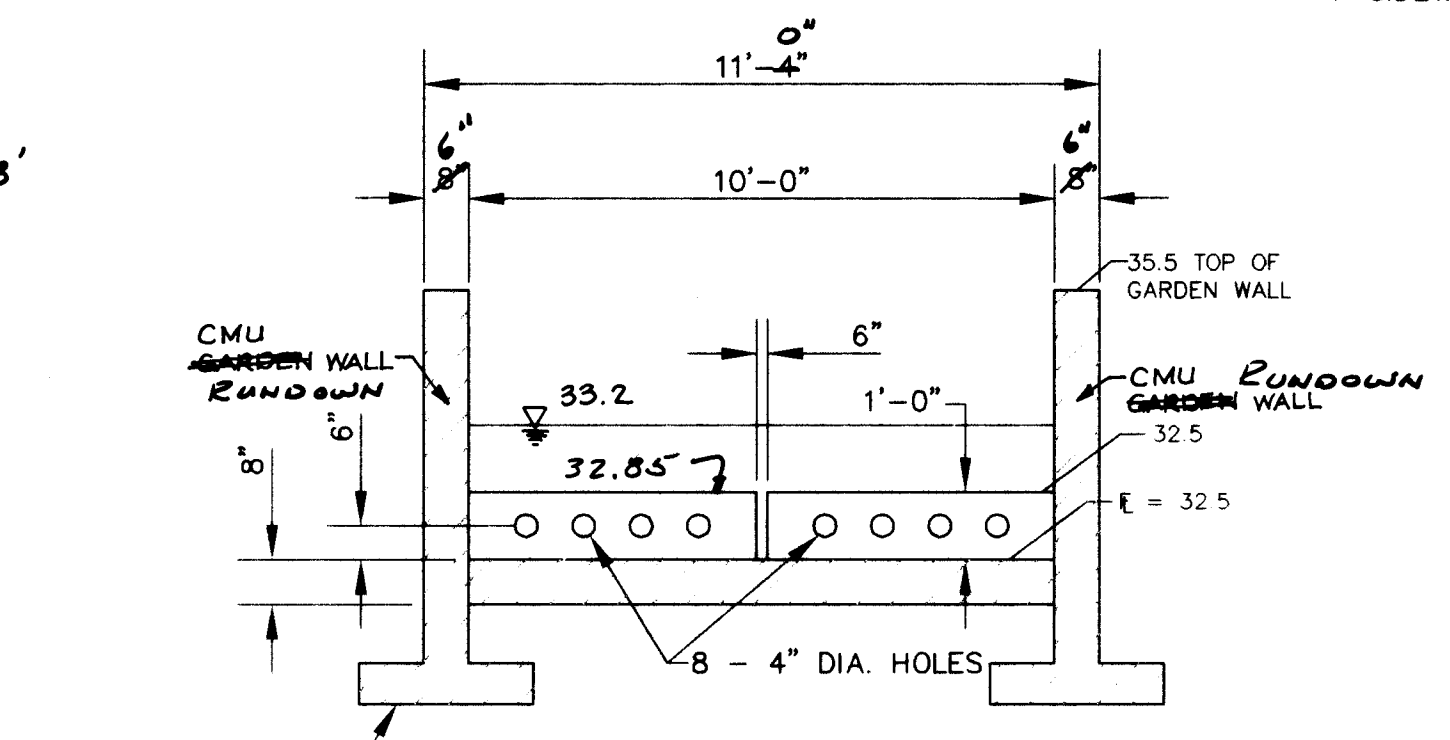
CEDAR FENCE SIDEYARD DETAIL
NTS



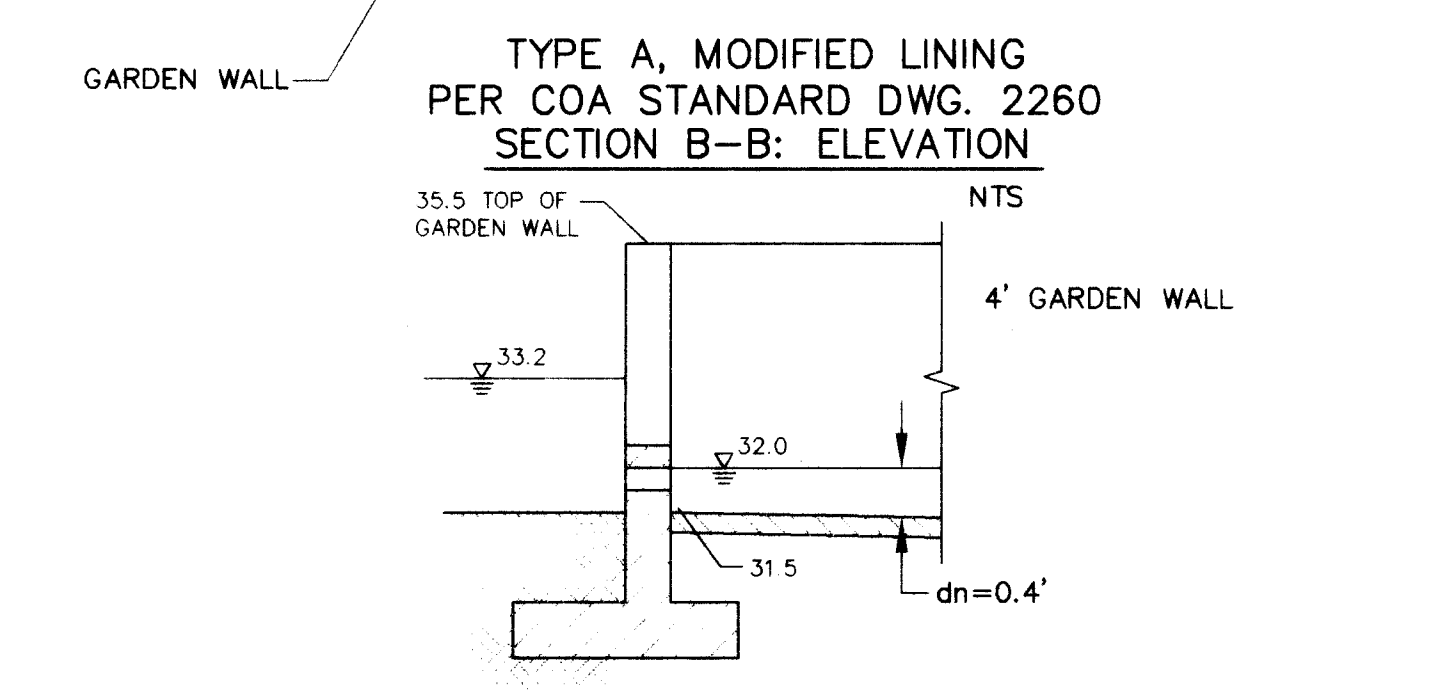
C.M.U. GARDEN WALL SIDEYARD DETAIL
NTS



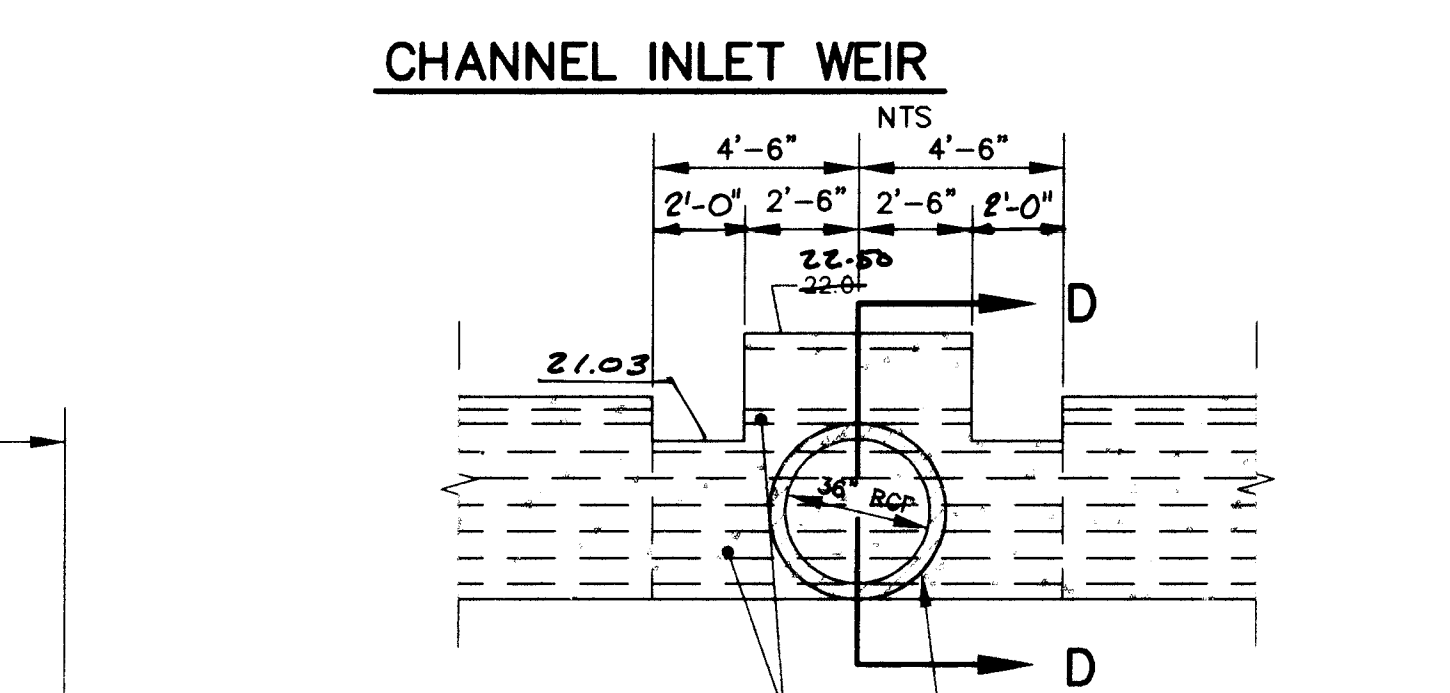
PLAN
NTS



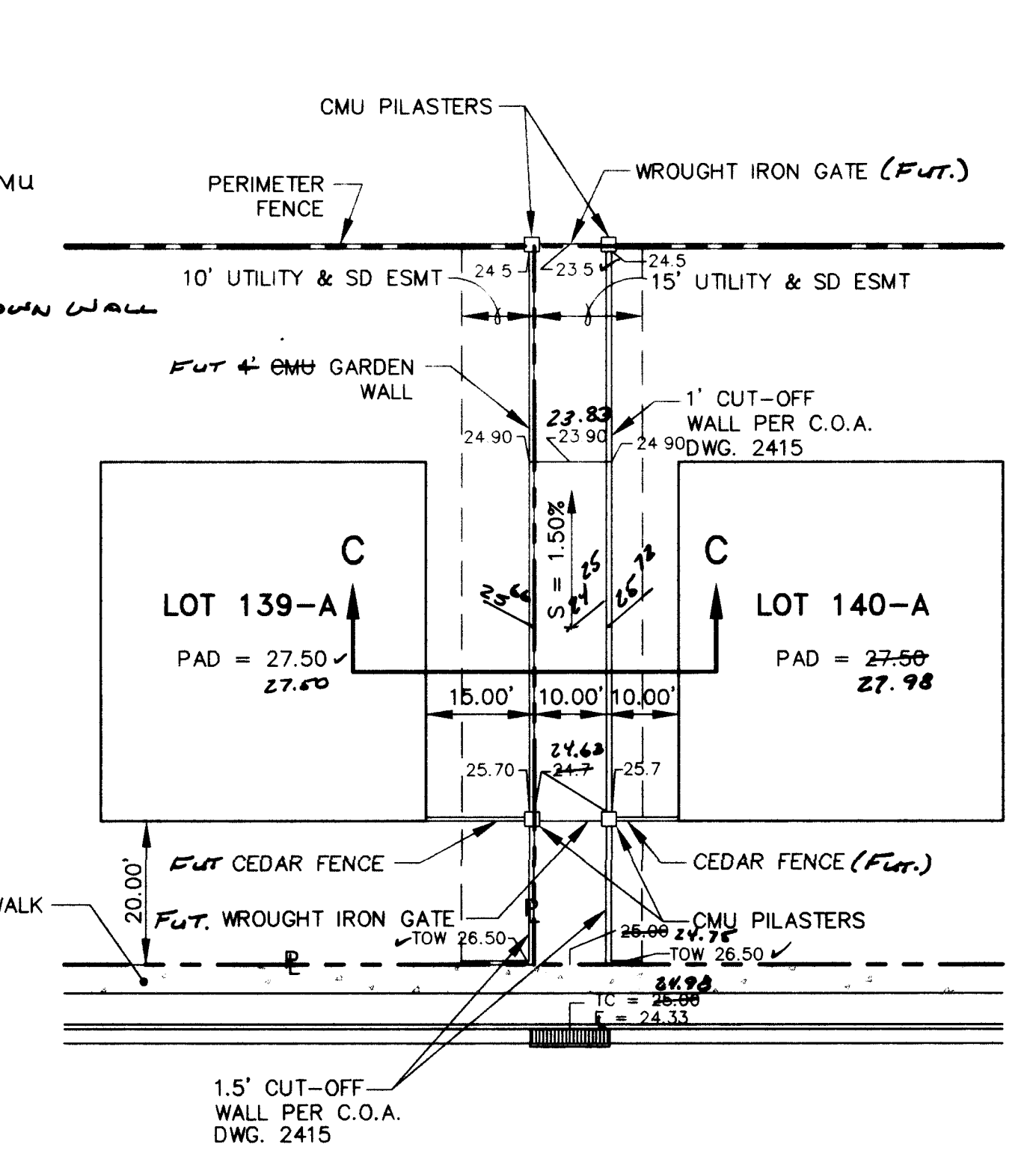
TYPE A, MODIFIED LINING PER COA STANDARD DWG. 2260 SECTION B-B: ELEVATION
NTS



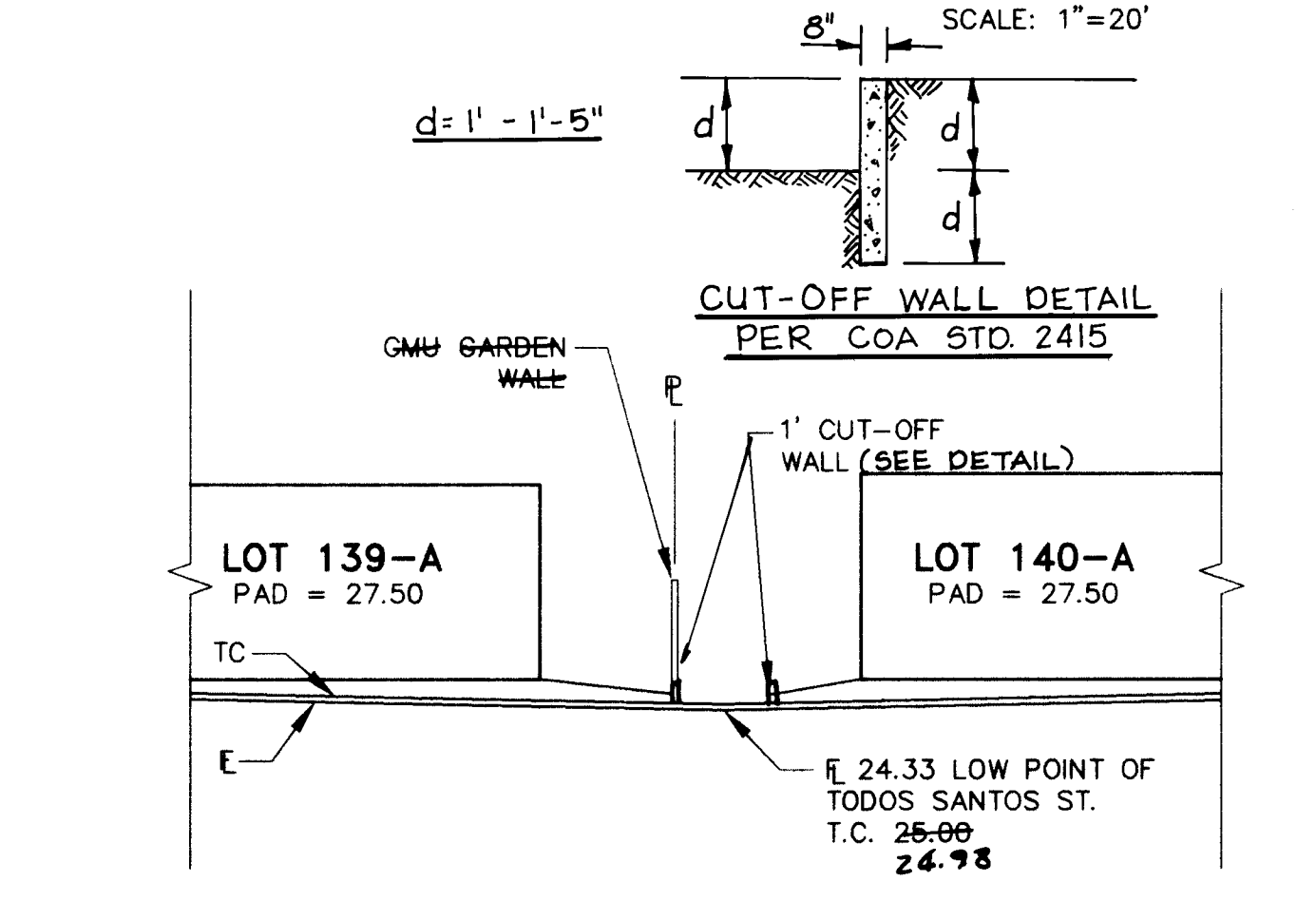
SECTION A-A



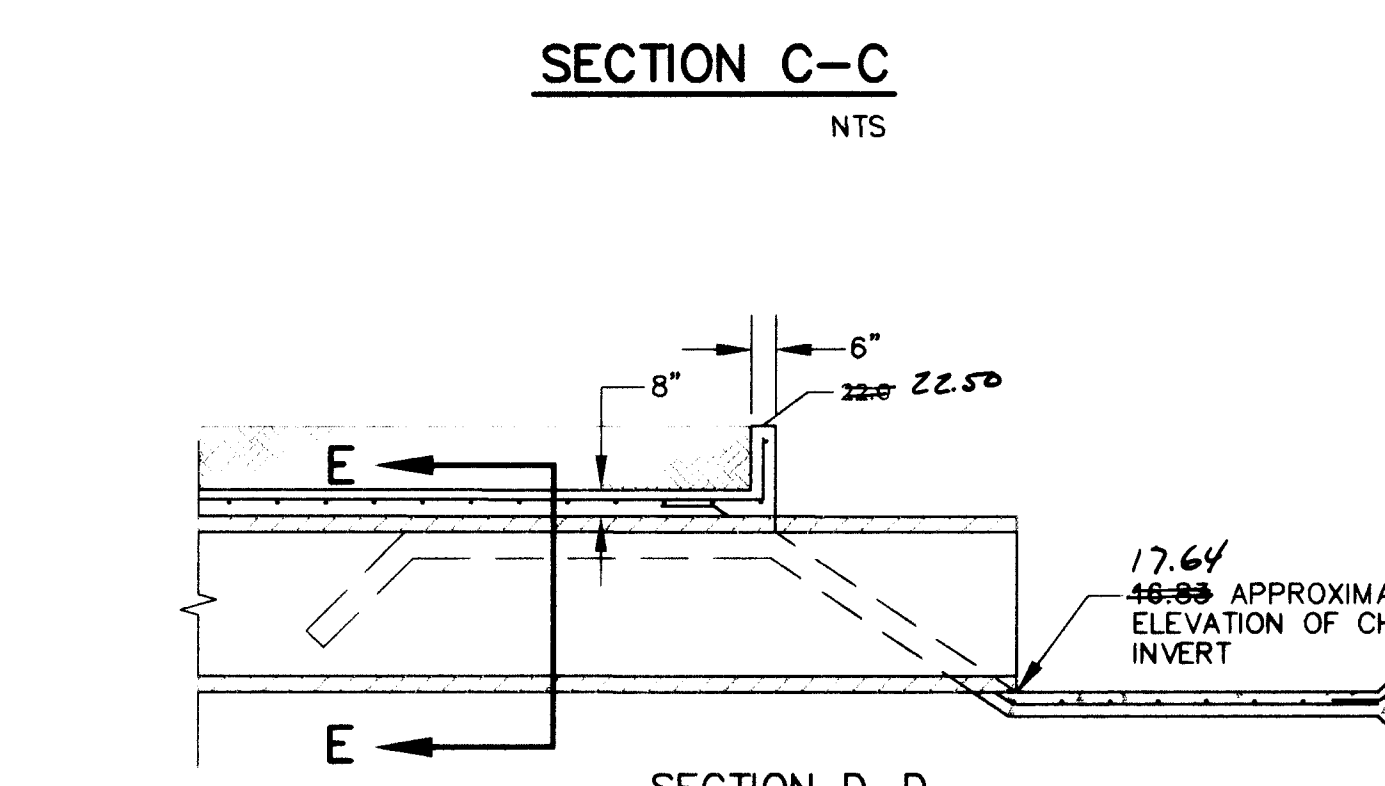
CHANNEL INLET WEIR
ELEVATION



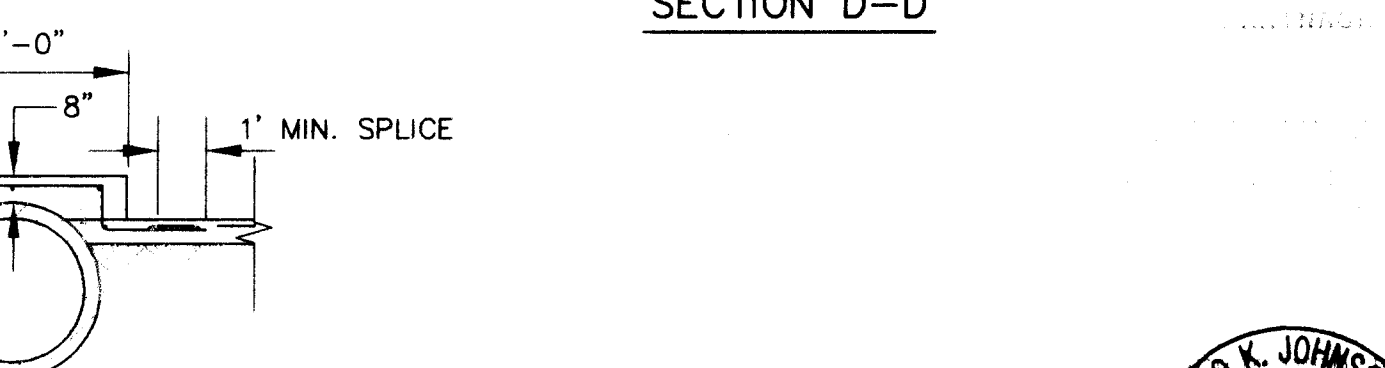
LOT 139-A/140-A OVERFLOW DETAIL
SCALE: 1"=20'



SECTION C-C
NTS



SECTION D-D



SECTION E-E
STORM DRAIN OUTLET
NTS

LOT GRADING GENERAL NOTES:

- LOT GRADING SHALL MEET THE SITE GRADING AND DRAINAGE CRITERIA FOR PROPOSED CONSTRUCTION AS SET FORTH BY THE DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT - FEDERAL HOUSING ADMINISTRATION IN CIRCULAR LETTER NO. 91-1, OFFICE OF THE MANAGER, ALBUQUERQUE, NEW MEXICO, DATED 1/25/91.
- ELEVATION OF HIGHPOINT OF REARYARD SWALE SHALL BE MIN. OF 6' BELOW PAD ELEVATION.
- FINISHED FLOOR ELEVATIONS (NOT SHOWN) SHALL BE 8" ABOVE PAD ELEVATIONS (SHOWN).
- FRONT YARD SIDEWALK SLOPE SHALL NOT EXCEED 10%.
- DRIVEWAY SLOPE SHALL NOT EXCEED 14%. IF DRIVEWAY IS USED AS SIDEWALK, MAX-SLOPE SHALL NOT EXCEED 10%.
- SLOPES SHALL NOT EXCEED 4:1.
- THE CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS TO COMPLY WITH EARTHWORK SPECIFICATIONS AS NOTED IN THE SOILS REPORT SUPPLIED BY THE OWNER.
- THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE CONSTRUCTION SITE. EROSION CONTROL MEASURES ARE INTENDED TO CONTROL MINOR FLOWS AND PROHIBIT THE RELEASE OF SEDIMENT INTO ADJACENT STREETS AND PROPERTY. EROSION CONTROL TEMPORARY BERMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAIL SHOWN ON THE GRADING PLAN, AT LOCATIONS SHOWN ON THE GRADING PLAN.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TEMPORARY BERMS THROUGHOUT THE CONSTRUCTION PHASE. THE OWNER WILL MAINTAIN BERMS AFTER COMPLETION AND ACCEPTANCE OF CONSTRUCTION.
- TEMPORARY EROSION CONTROL BERMS LOCATED ON INDIVIDUAL LOTS SHALL REMAIN IN PLACE UNTIL THE CONSTRUCTION OF EACH RESPECTIVE BUILDING IS COMPLETE, ON A LOT BY LOT BASIS.
- THE TOLERANCES FOR ROUGH GRADING SHALL CONFORM TO THE FOLLOWING:
PAD SUBGRADE: +/- 0.1'
STREET SUBGRADE: +/- 0.1'
ALL OTHER AREAS: +/- 0.3'
- BACKYARD DRAINS TO BE PROVIDED AS DESIGNATED.
- THE CONTRACTOR IS FULLY RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING UTILITIES AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES. NOTIFICATION SHALL BE IN A TIMELY MANNER TO ALLOW FOR COORDINATION AND RESOLUTION SO THAT NO DELAY IN THE CONSTRUCTION SCHEDULE OCCURS.
- CAUTION SHALL BE EXERCISED WHEN WORKING IN THE VICINITY OF EXISTING UTILITIES. ANY DAMAGE TO EXISTING UTILITIES RESULTING FROM CONSTRUCTION ACTIVITIES WILL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

AS BUILT INFORMATION

- GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF CURB UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
- ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL REVEGETATE AND RE-ESTABLISH ALL AREAS WHICH ARE DISTURBED BY SITE GRADING AND ARE NOT TO RECEIVE PERMANENT SURFACE TREATMENTS. SPECIFICATIONS FOR SEEDING SHALL BE PER CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION, SECTION 1011, NATIVE SEEDING CLASS A.

SPECIES	LBS. PLS PER ACRE
BLUE GRAMA	1 LB.
SIDEHATS GRAMA	4 LBS.
WESTERN WHEATGRASS	4 LBS.
GALLETA	4 LB.
ALKALI SACATON	0.5 LB.
TOTAL	13.5 LBS/ACRE

OPERATION SHALL CONSIST OF PROTECTION OF SITE, PREPARATION OF SEEDBED, MULCHING, FERTILIZATION, AND THE PROVISION OF MATERIALS, LABOR, AND EQUIPMENT NECESSARY TO PERFORM THE OPERATION. THE SEED MIX SHALL BE AS DENOTED IN THE LIST BELOW.

SPECIES	LBS. PLS PER ACRE
BLUE GRAMA	1 LB.
SIDEHATS GRAMA	4 LBS.
WESTERN WHEATGRASS	4 LBS.
GALLETA	4 LB.
ALKALI SACATON	0.5 LB.
TOTAL	13.5 LBS/ACRE

21. THE CONTRACTOR SHALL SUPPLY AN AS-BUILT SURVEY FOR GRADING CERTIFICATION.

22. THE CONTRACTOR SHALL DISPOSE ALL EXCESS MATERIAL AT AN ACCEPTABLE LOCATION.

23. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH UTILITY COMPANIES AND OTHER CONTRACTORS. NO TIME EXTENSIONS WILL BE ALLOWED FOR CONFLICTS WITH UTILITY COMPANIES AND OTHER CONTRACTORS.

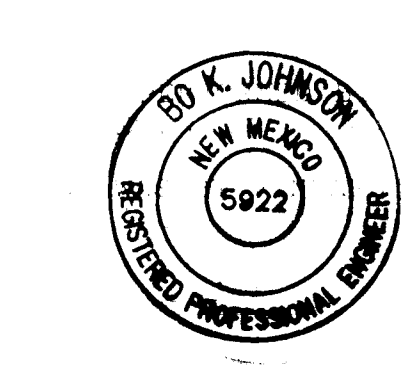
DESIGNED BY
RY LASON

AVID ENGINEERING, INC.
Civil • Structural • Transportation
6100 Seagull St. NE - Suite 102
Albuquerque, NM 87109 - (505) 881-5357

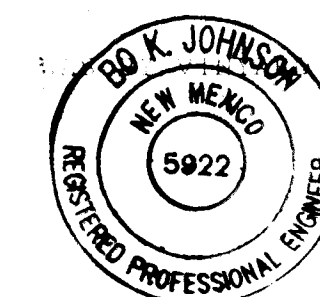
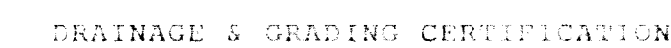
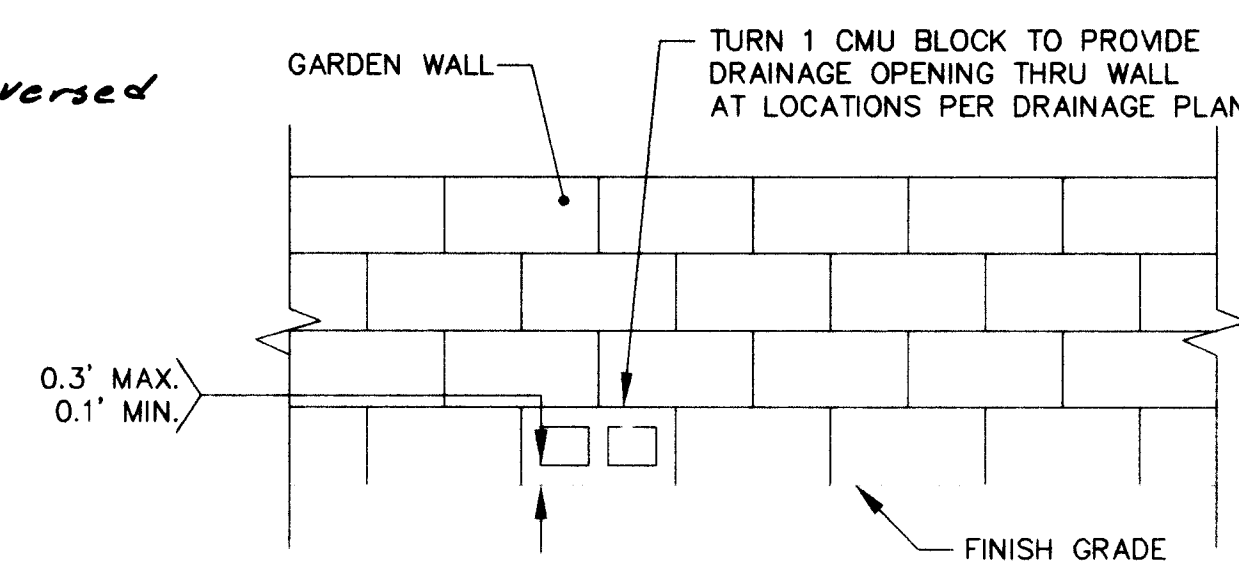
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: LADERA WEST, UNIT I GRADING DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	3-3-93	Water	N/A RWK	3-1-93
Transportation	<i>[Signature]</i>	3-01-93	Waste Water	N/A RWK	3-1-93
Hydrology	<i>[Signature]</i>	02-26-93			
DRAWING NO. 4450.90		MAP NO. G-10-Z		SHEET 15 OF 16	

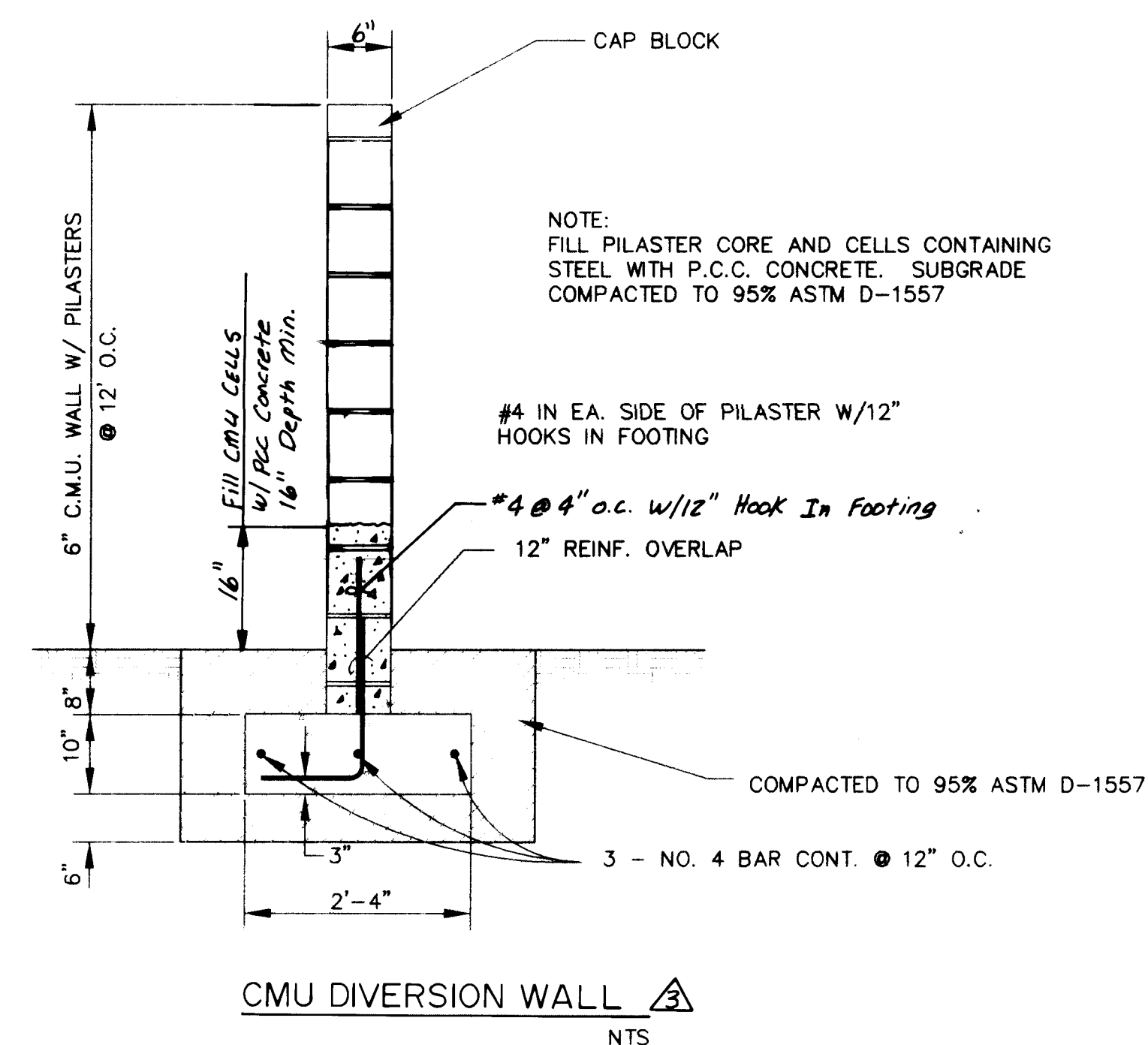
EXHIBIT III



[Signature] 6/22/93
BO K. JOHNSON
N.M. PROFESSIONAL
ENGINEER 5922



B. H. J. 6/22/93



2. REINFORCE CLEARANCE IN ALL CMU = 2-3/4" MAX.
3. REINFORCE CLEARANCE IN ALL CONCRETE = 2" MIN.
4. REINFORCE STEEL YIELD STRENGTH = 60 KSI.
5. CONCRETE COMP. STRENGTH @ 28 DAYS = 4000 PSI.
6. 1/2" FELT EXPANSION JOINT TO BE PROVIDED EVERY 16 FT. IN CMU AND CONCRETE AND AT TRANSITIONS IN SECTIONS.
7. USE DUR-O-DAL 9 GA. DIAG. EVERY OTHER COURSE.
8. ALL CMU CELLS SHALL BE FILLED WITH CONCRETE.
9. ALL FOOTING COMPACTION SHALL BE 95% MODIFIED PROCTOR PER ASTM D-1557.
10. TWO (2) WORKING DAYS BEFORE CONSTRUCTION, CONTRACTOR SHALL NOTIFY LINE LOCATING SERVICE, 765-1234, FOR UTILITY LOCATIONS.
11. CONTRACTOR SHALL COORDINATE ANY ADJUSTMENTS TO UTILITIES WITH THE UTILITIES COMPANIES.
12. KNOCK OUT BOND BEAMS TO BE INSTALLED EVERY OTHER COURSE.
13. MOISTURE BARRIER COATING SHALL BE APPLIED TO ALL BORED CMU SURFACES. WALLS DESIGNED FOR LEVEL BACKFILL ONLY.
14. BACK FILLING AGAINST REINFORCED CONCRETE MASONRY RETAINING WALL SHOULD NOT BE PERMITTED UNTIL AT LEAST 7 DAYS AFTER PLACING THE CORE FILL CONCRETE OR GROUT.
15. WHERE HEAVY EQUIPMENT IS USED IN BACK FILLING WALLS DESIGNED TO RESIST EARTH PRESSURE ONLY, SUCH EQUIPMENT SHOULD NOT APPROACH CLOSER TO THE TOP OF THE WALL THAN A DISTANCE EQUAL TO THE HEIGHT OF THE WALL. CARE SHOULD ALSO BE TAKEN TO AVOID EXERTING LARGE IMPACT FORCES ON THE WALL AS COULD BE CAUSED BY A LARGE MASS OF MOVING EARTH.

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AVID ENGINEERING, INC.

Civil • Structural • Transportation
6100 Seagull St. NE - Suite 102
Albuquerque, NM 87109 - (505) 881-5357

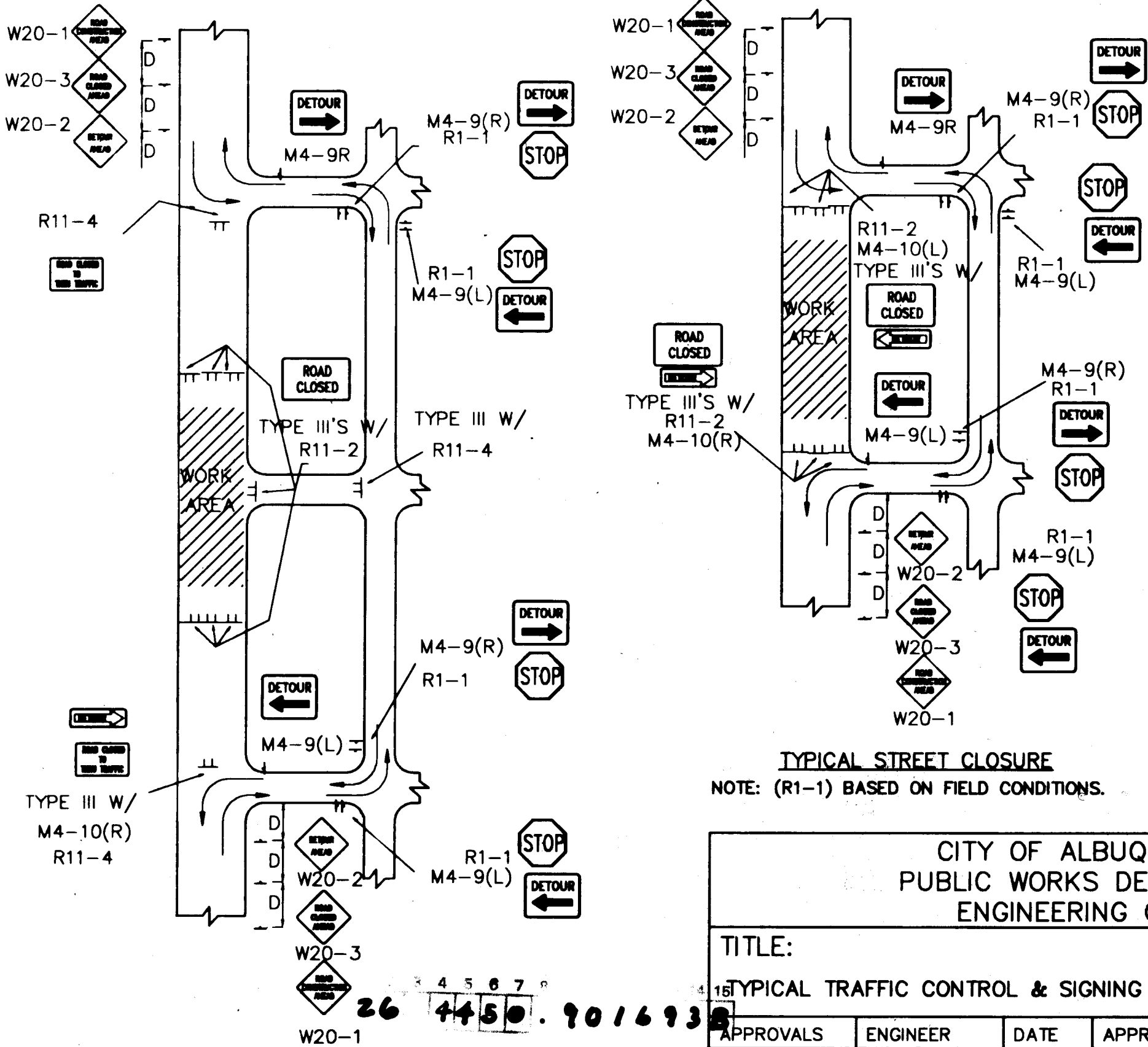
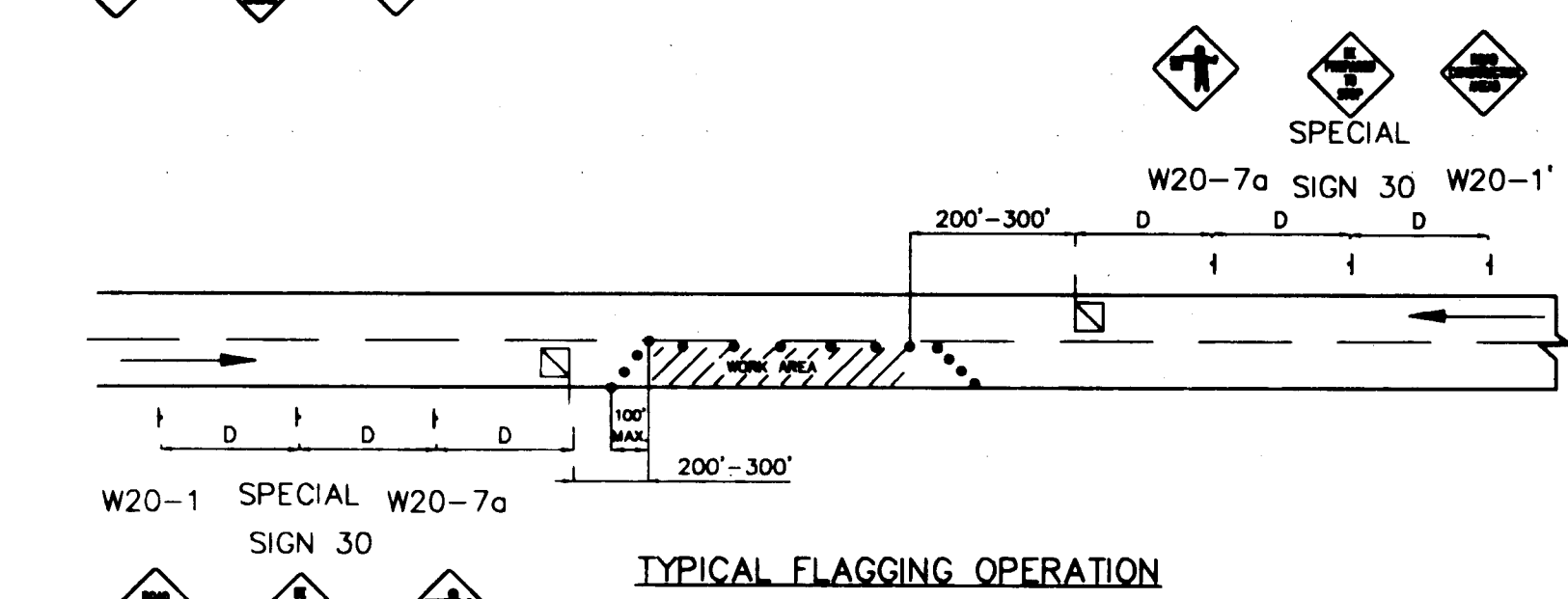
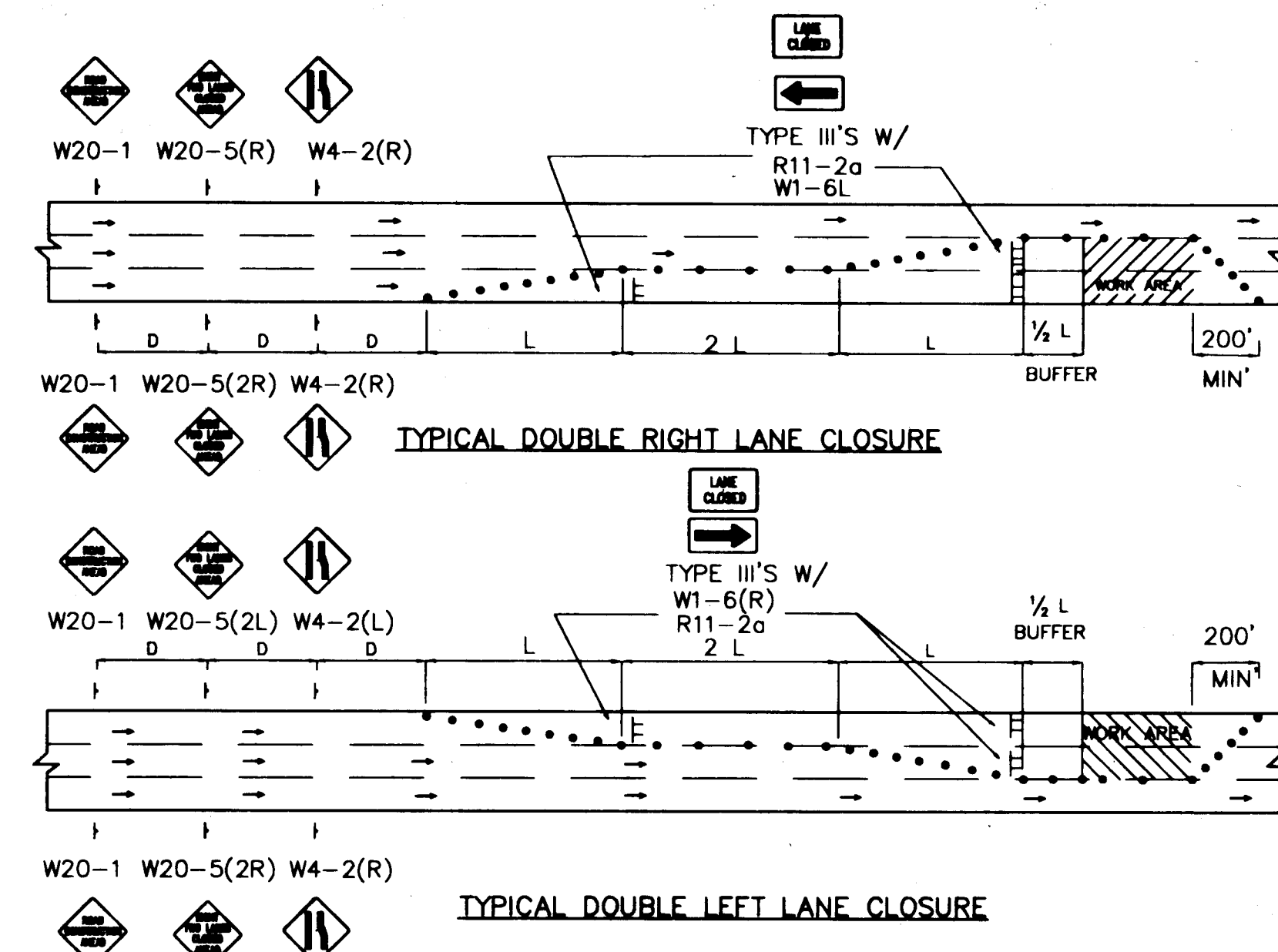
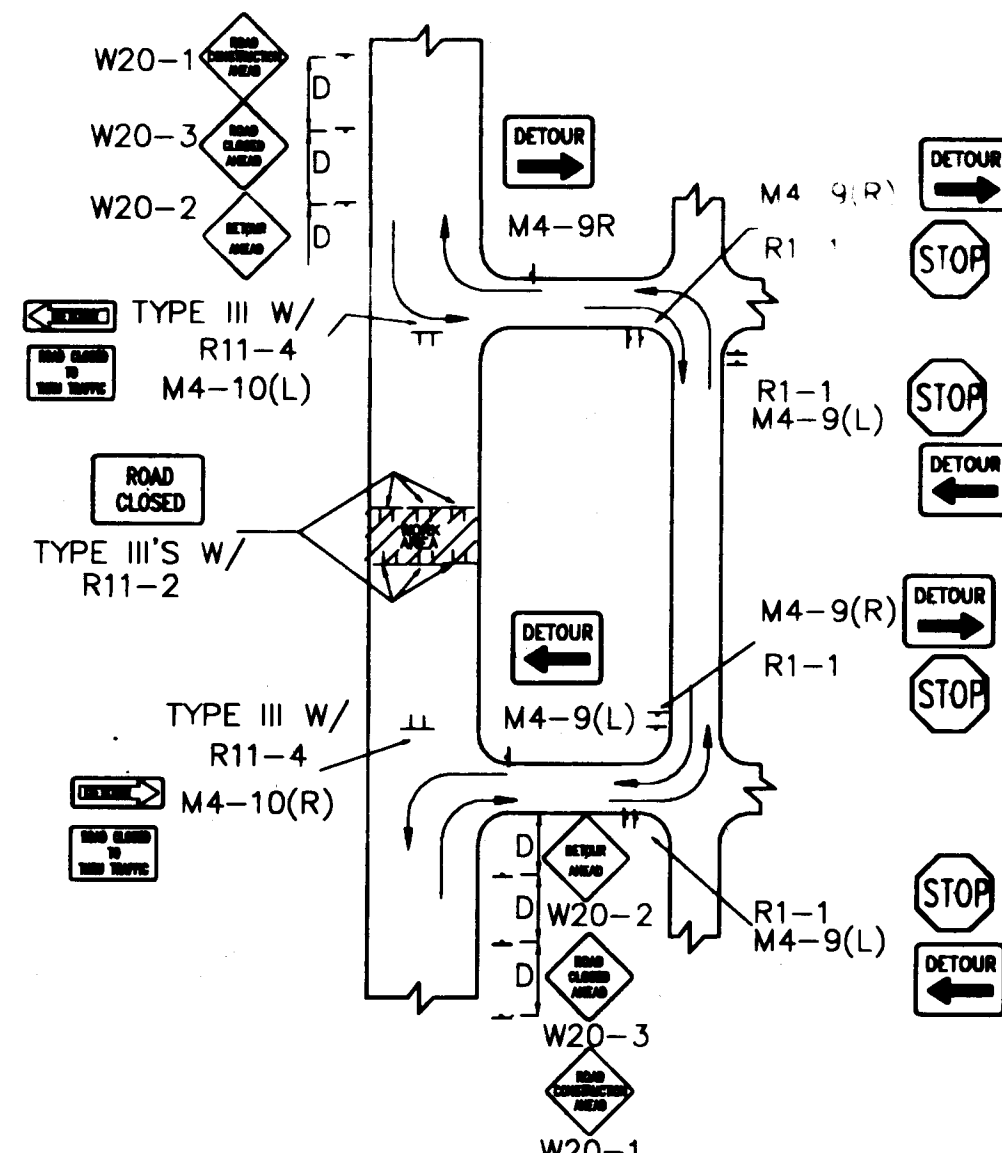
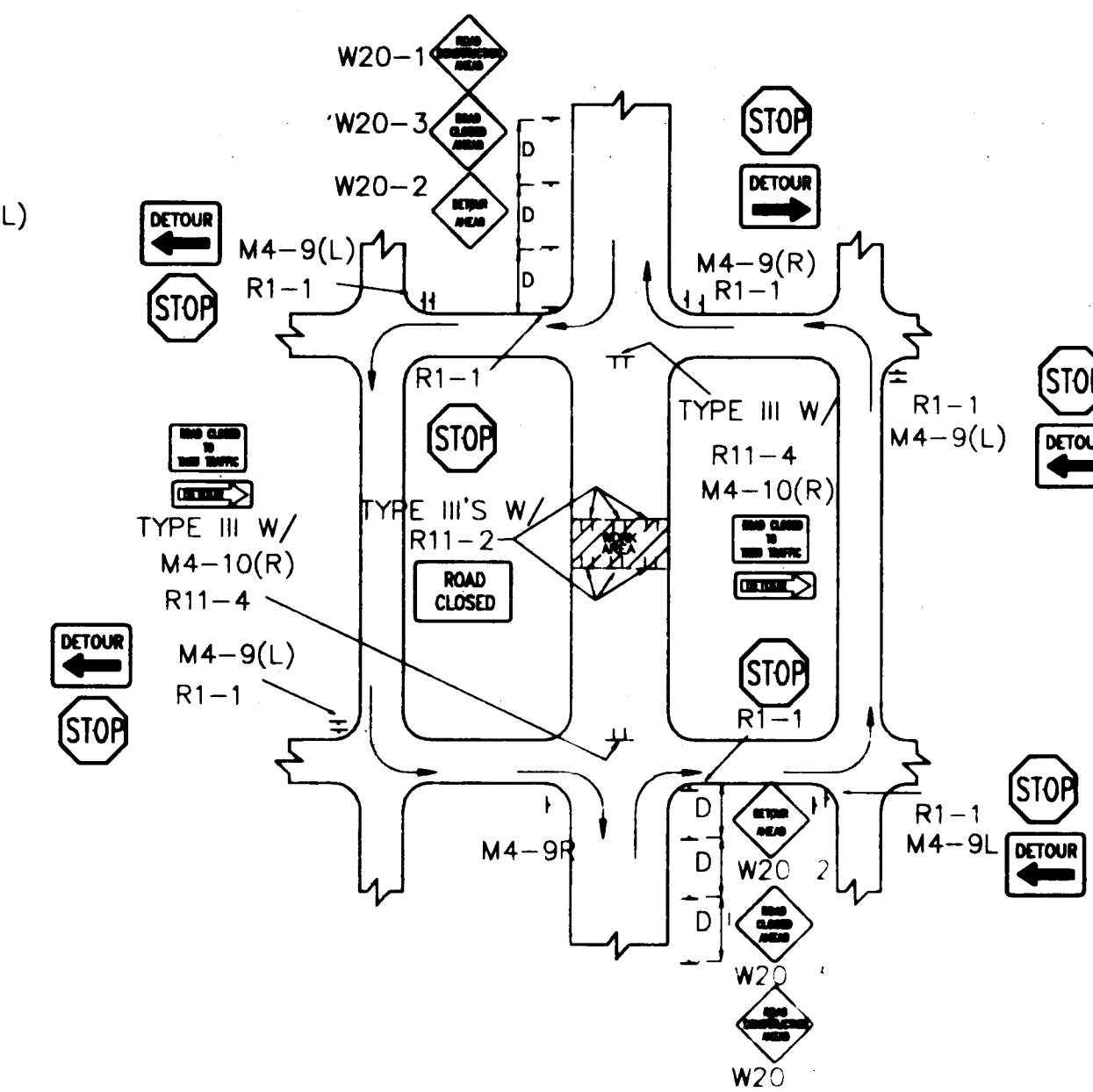
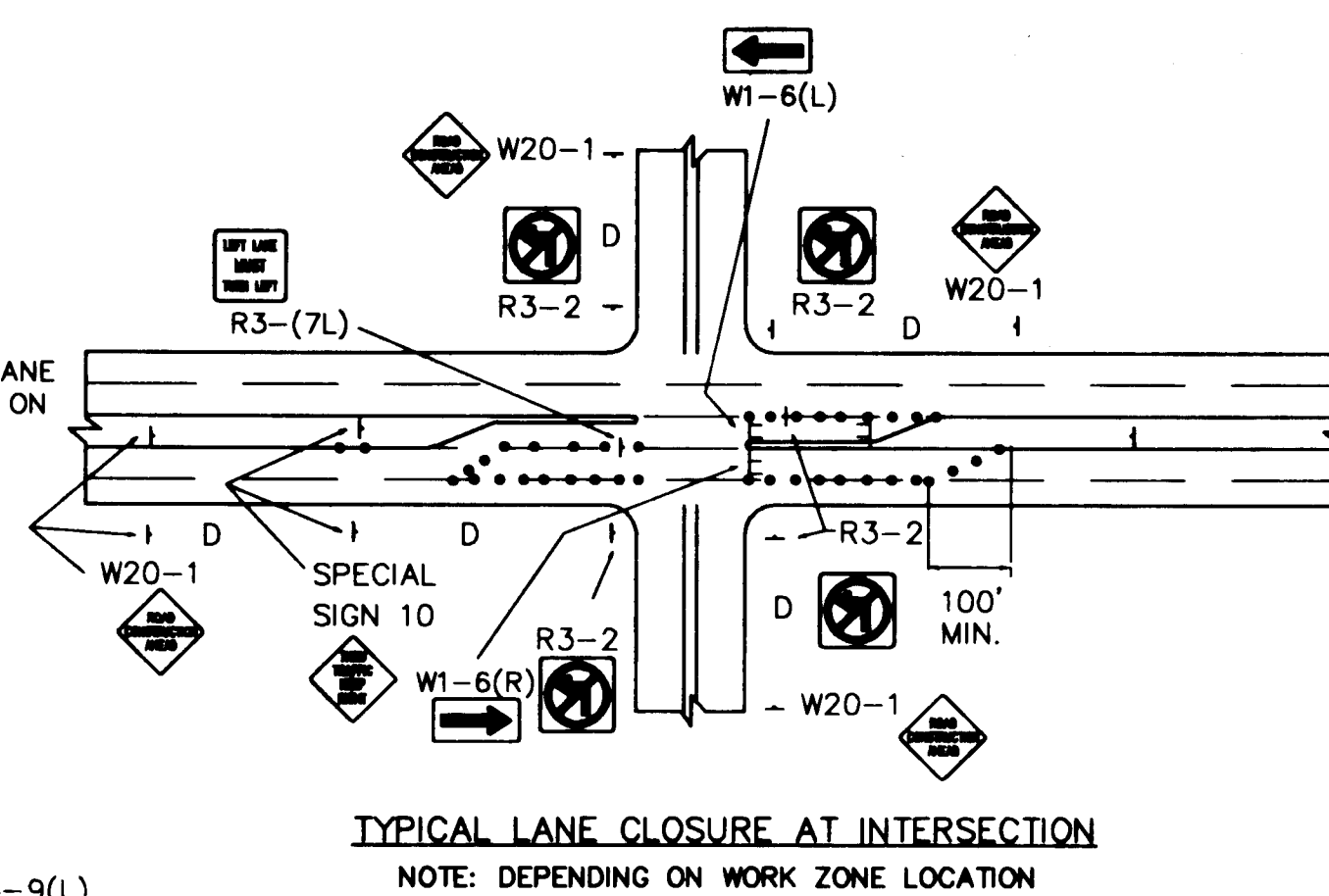
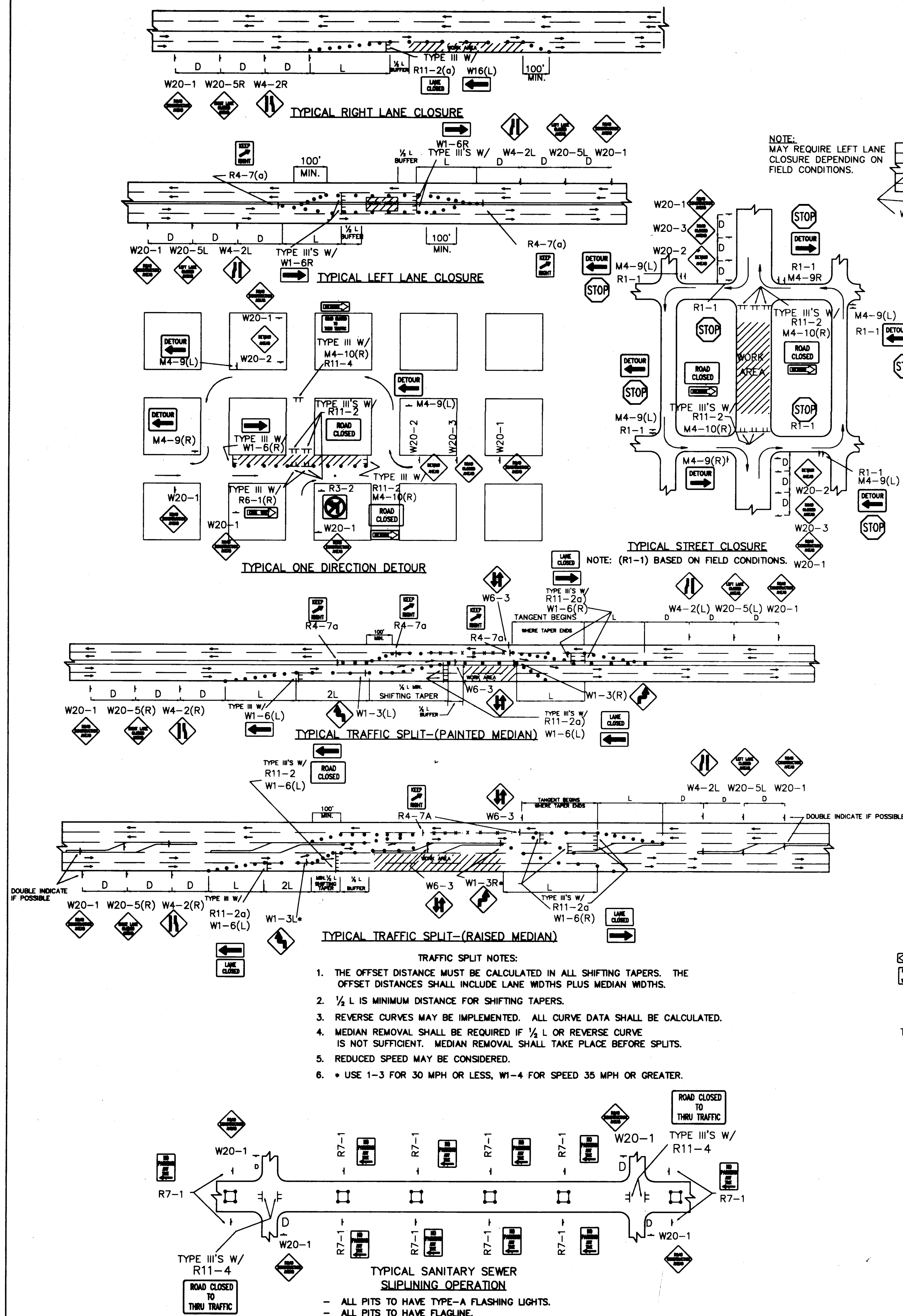
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26		44	50	.	90	16	93	4						

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:	LADERA WEST, UNIT 1 WALL DETAILS
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APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	3-5-93	Water	N/A RWK	3-1-93
Transportation	<i>[Signature]</i>	3-01-93	Waste Water	N/A RWK	3-1-93
Hydrology	<i>[Signature]</i>	02-26-93			

DRAWING NO.	4450.90	MAP NO. L-10-Z	SHEET 16A	OF 16
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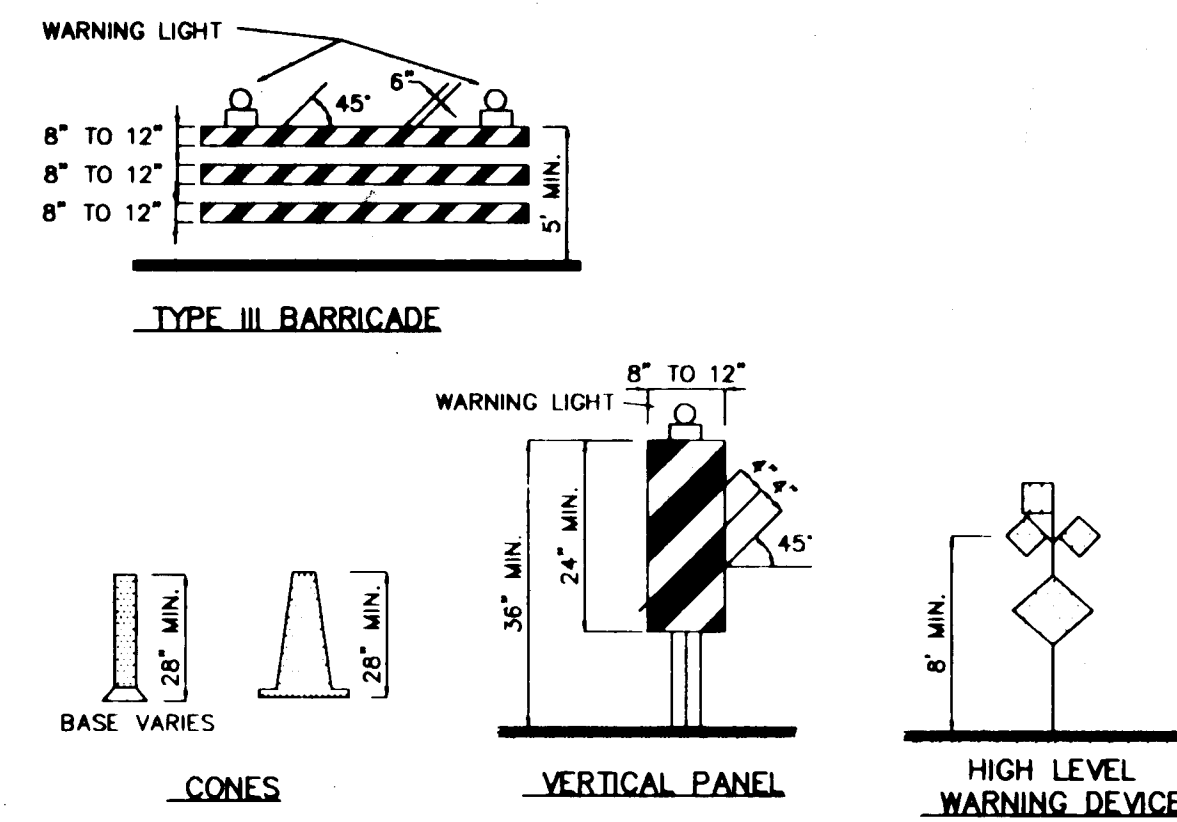


CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE:			
15 TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)			
APPROVALS	ENGINEER	DATE	APPROVALS
DRC CHAIRMAN	N/A SAH	3-2-93	WATER
TRANSPORTATION	N/A CAW	3-01-93	WASTE WATER
HYDROLOGY	N/A SM	3-01-93	
PROJECT NO. 4450.90		MAP NO.	
		SHEET OF 16B 16	

08-11-92
CTCSTD1.DWG (1=1')

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 IT'S PLACEMENT AND MAINTENANCE.
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

1. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE CONSTRUCTION DIVISION FOR APPROVAL PRIOR TO BEGINNING OF CONSTRUCTION.
2. ACCESS ON OURAYRD. SHALL BE MAINTAINED AT ALL TIMES.

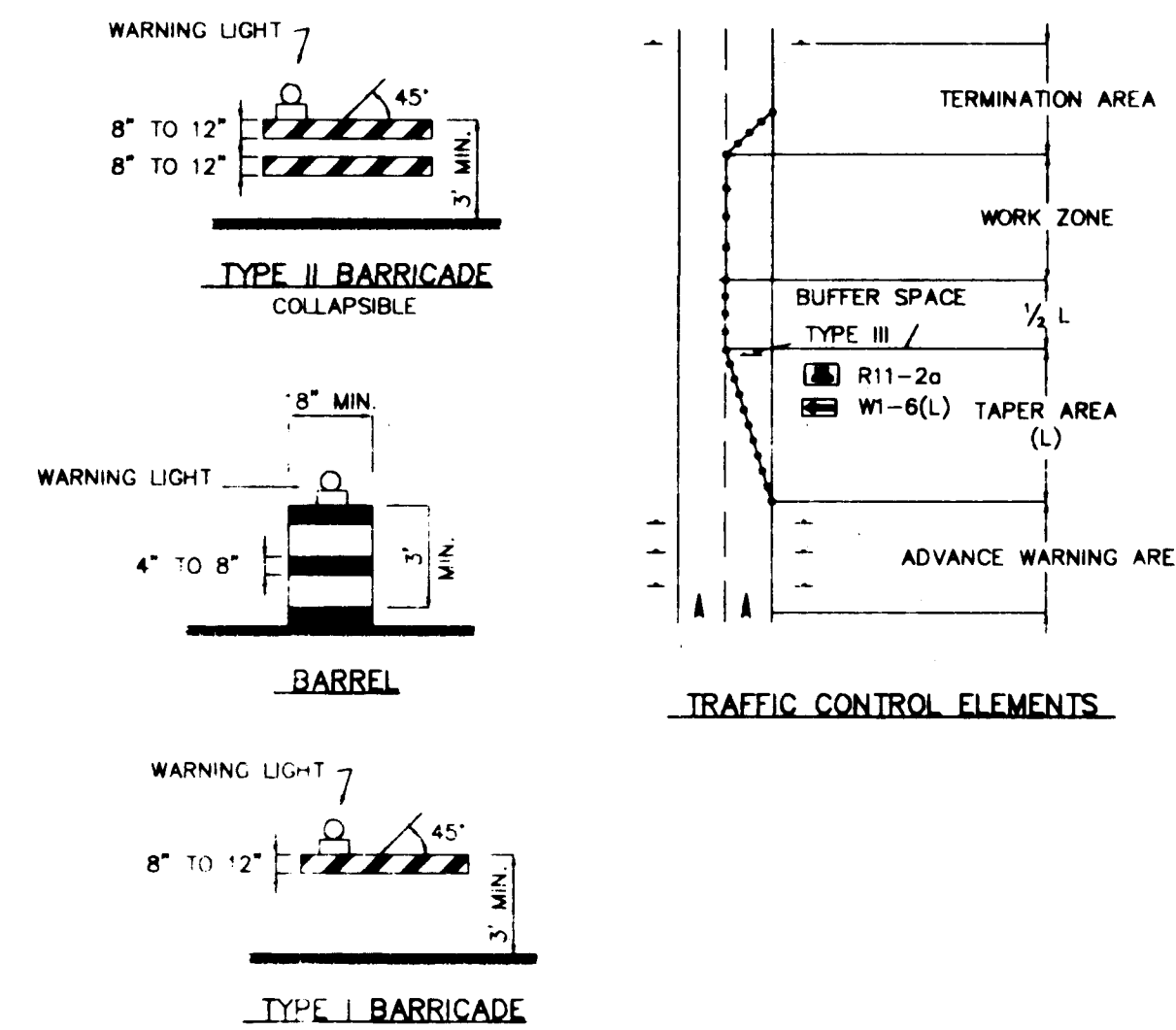


	WORK AREA
●	BARRICADE - TYPE I, TYPE II, OR BARREL
⊥	BARRICADE - TYPE III
X	VERTICAL PANEL
⊥	WARNING SIGN
D	DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
	FLAGMAN POSITION
S	SPACING BETWEEN BARRICADES- A DISTANCE MEASURED IN FEET EQUAL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

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM SPACING IN FEET	DEVICE TAPER
	10' LANE	11' LANE	12' LANE			
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



SPEED MILES PER HOUR	MINIMUM BETWEEN SIGNS	DISTANCE IN FEET 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

<u>TYPE OF TAPER</u>	<u>TAPER LENGTH</u>
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	$\frac{1}{2}$ L MINIMUM
SHOULDER TAPER	$\frac{1}{2}$ L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

<u>SPEED LIMIT</u>	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
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

26 4450.901693C

TITLE: SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	N/A <i>SLH</i>	3-3-93	WATER	N/A <i>RWK</i>	3-1-93
TRANSPORTATION	N/A <i>SLH</i>	3-01-93	WASTE WATER	N/A <i>RWK</i>	3-1-93
HYDROLOGY	N/A <i>SLH</i>	3-01-93			

PROJECT NO. 4450.90	MAP NO.	SHEET OF 16C 16
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BY LASON