

LOS POBLANOS ORCHARDS

VILLAGE OF LOS RANCHOS DE ALBUQUERQUE

BERNALILLO COUNTY NEW MEXICO

IMPROVEMENTS FOR GRADING, PAVING AND UTILITIES

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WARNING - EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.

THE ENGINEER HAS UNDERTAKEN LIMITED FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH (BLUE STAKES) PROCEDURES, OR OTHERWISE.

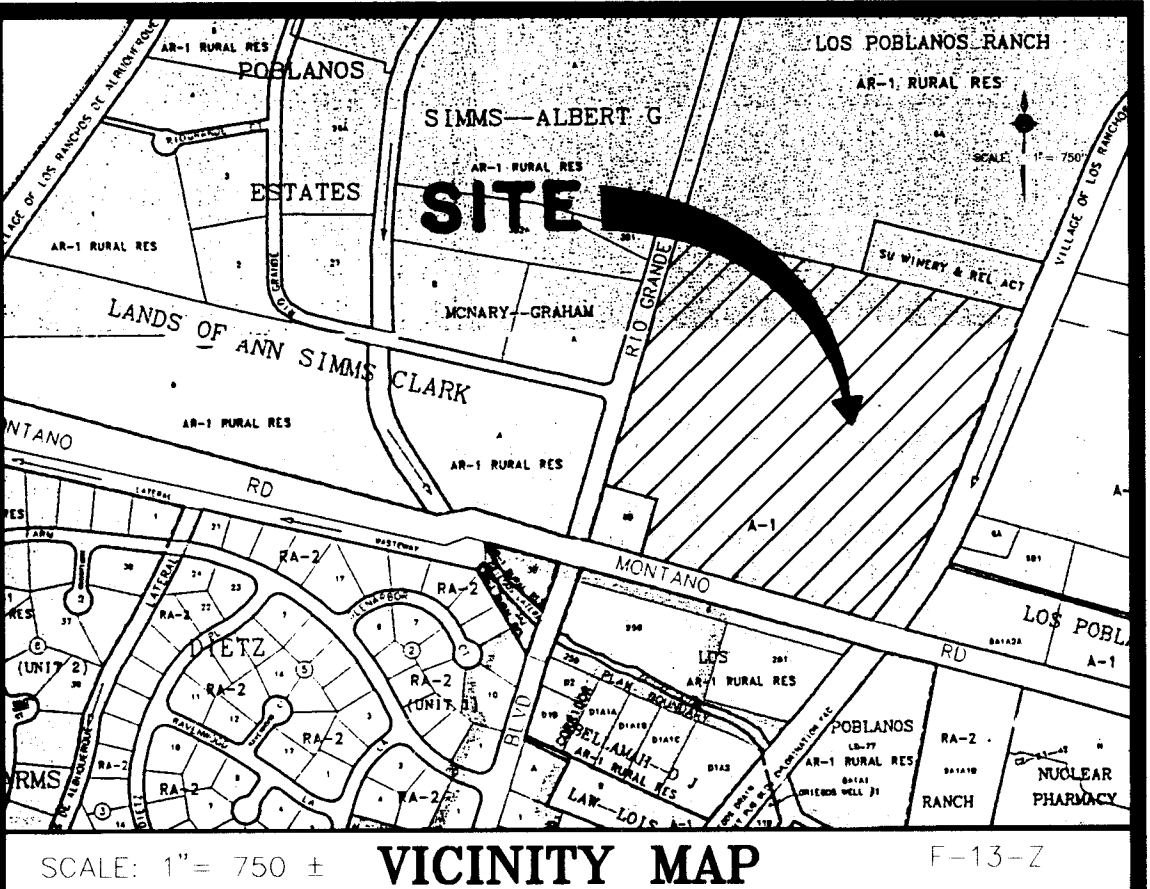
DATE: AUGUST, 1996
SCALE: AS SHOWN
DESIGNED: TJB
DRAWN: SPS
CDS NO: 90-03-PRE
APPROVED FOR CONSTRUCTION
VILLAGE ENGINEER DATE:
APPROVED FOR CONSTRUCTION
VILLAGE FIRE MARSHAL DATE:

community sciences corporation
APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 11-14-97

4
3
2
1
REV. SHEETS
ENGINEER'S SEAL
APPROVALS
DRC CHAIRMAN
TRANSPORTATION
WATER/WASTE WATER
HYDROLOGY
MARKS
CONSTR. MNGMT.
PROJECT NO. 5556681 (COA)

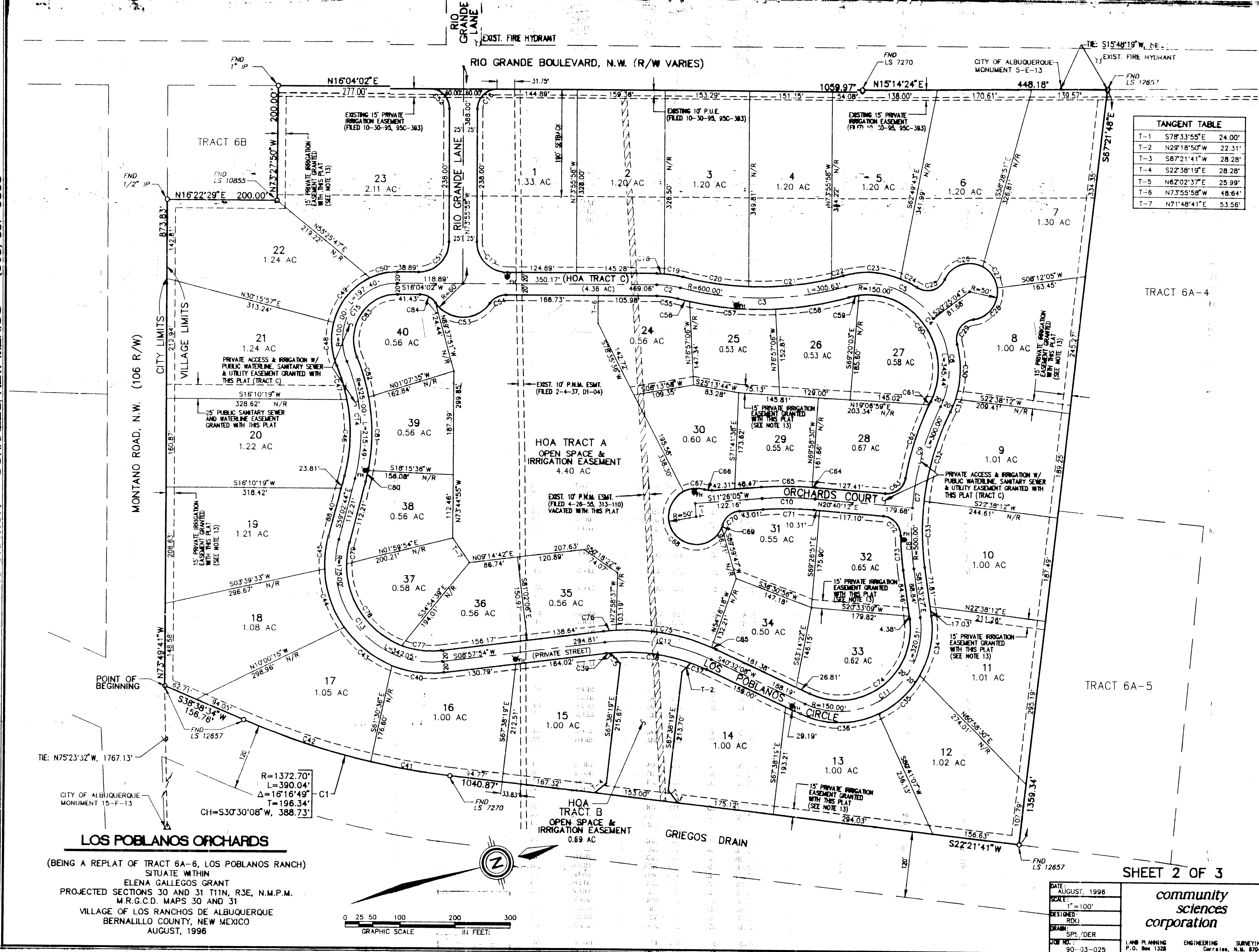
DATE 11/27/96
DATE 1-28-97
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DATE 1/14/97
DATE 3/7/97

DATE 11/27/96
DATE 1-28-97
DATE 1-15-97
DATE 1-13-97
DATE 1/14/97
DATE 3/7/97



- GENERAL NOTES:
- ALL UTILITY WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FROM HERON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED WITH UPDATE NO. 6
 - ALL ROADWAY AND PAVING DETAILED WITH THESE PLANS SHALL BE IN CONFORMANCE WITH SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR THE VILLAGE OF LOS RANCHOS.
 - TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, (260-1990) FOR LOCATION OF EXISTING UTILITIES.
 - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS AND EXISTING PAVEMENT. 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 CONTRACTOR SHALL FURNISH EMO'S ON ALL WATER AND SEWER SERVICE STUBS, CAPS AND PLUGS.
 - CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEY SECTION. WHEN A CHANGE IS MADE IN ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF GENERAL CONDITIONS OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
 - RESTRAINED JOINTS ARE REQUIRED AT ALL WATER LINE BENDS, TEES, CAPS AND GATE VALVES.
 - THE PUBLIC WATER LINE MUST BE A MINIMUM OF 18" ABOVE THE SEWER LINE AT ALL CROSSINGS
 - THE CONTRACTOR SHALL CONTACT WATER SYSTEMS DIVISION (857-8200) FIVE (5) WORKING DAYS PRIOR TO NEEDING SHUT-OFF OR TURN-ON OF VALVES. ONLY CITY WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE VALVE.
 - 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 VILLAGE ENGINEER (344-6582) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
 - ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH REFLECTIONIZED PLASTIC MARKING BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET. ALL NEW STRIPING SHALL BE REFLECTIONIZED PLASTIC AS PER CITY STANDARDS.
 - ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.

26-5566.81 0197



CURVE DATA						
ID	Radius	Arc	Delta	Tangent	Chord	Chord Brg
C1	1372.70	390.04	016-16-49	196.34	388.73	S30-30-08W
C2	180.00	42.90	013-39-22	21.85	42.85	N22-5-43E
C3	600.00	305.63	029-11-09	156.21	302.34	S15-07-49W
C4	150.00	345.44	131-56-58	336.51	274.01	N66-30-43E
C5	150.00	180.76	069-02-42	103.18	170.02	N35-03-35E
C6	150.00	164.68	062-54-16	91.75	156.54	S78-57-56E
C7	500.00	300.00	034-22-39	154.67	295.52	N64-42-07W
C8	500.00	109.61	012-33-39	55.03	109.39	N75-36-37W
C9	500.00	190.39	021-49-00	96.36	189.24	N58-25-18W
C10	600.00	96.71	009-14-07	48.46	96.61	N16-03-09E
C11	150.00	320.51	122-25-34	273.00	262.93	S20-40-40E
C12	160.00	198.36	031-34-13	101.77	195.86	N24-45-01E
C13	175.00	342.05	111-59-22	259.40	290.14	S64-57-35W
C14	325.00	215.49	037-59-22	111.87	211.56	S78-02-25E
C15	100.00	197.40	113-06-08	151.38	166.88	N40-22-02W
C16	35.00	54.98	090-00-00	35.00	49.50	N28-55-58W
C17	55.00	86.39	090-00-00	55.00	77.78	S61-04-02W
C18	200.00	14.09	004-02-15	7.05	14.09	N18-05-10E
C19	200.00	33.57	009-37-06	16.83	33.54	N24-54-50E
C20	580.00	121.46	011-59-54	60.95	121.24	S23-43-2
C21	580.00	152.59	015-04-25	76.74	152.15	S10-11-18W
C22	580.00	21.40	002-06-51	10.70	21.40	S01-35-40W
C23	170.00	107.36	036-10-59	55.54	105.58	N18-37-44E
C24	170.00	34.19	011-31-18	17.15	34.13	N42-28-52E
C25	35.00	59.44	097-17-56	39.77	52.55	S00-24-27E
C26	50.00	80.80	092-35-35	52.32	72.29	N02-45-38W
C27	50.00	47.70	054-39-55	25.84	45.92	N70-52-07E
C28	50.00	78.56	090-01-13	50.02	70.72	S36-47-19E
C29	35.00	59.44	097-17-56	39.77	52.55	N40-25-41W
C30	170.00	98.54	033-12-46	50.70	97.17	S72-28-16E
C31	170.00	24.78	090-01-05	12.41	24.66	S51-41-20E
C32	480.00	168.72	020-08-20	85.34	167.85	N57-34-58W
C33	480.00	113.28	014-14-19	59.95	118.98	N74-46-17W
C34	170.00	110.98	037-24-17	57.55	109.02	S63-11-18E
C35	170.00	104.36	035-10-17	53.88	102.72	S26-54-02E
C36	170.00	147.91	049-51-01	79.00	143.29	S15-36-37W
C37	340.00	31.38	005-17-19	15.70	31.37	N37-53-28E
C38	340.00	148.00	024-56-27	75.19	146.84	N22-46-35E
C39	340.00	7.96	001-20-27	3.98	7.96	N09-38-08E
C40	195.00	96.20	028-15-57	49.10	95.23	S23-05-53W
C41	1372.70	146.81	006-07-11	73.48	146.74	S25-25-34W
C42	1372.70	243.23	010-09-08	121.93	242.91	S33-33-58W
C43	195.00	112.79	033-08-30	58.02	111.23	S53-48-06W
C44	195.00	112.71	033-07-03	57.98	111.15	S86-55-53W
C45	195.00	59.44	017-27-52	29.95	59.21	N67-46-40W
C46	305.00	139.11	026-08-00	70.79	137.91	S72-06-44E
C47	305.00	63.11	011-31-21	31.67	63.00	N88-53-35E
C48	120.00	78.12	037-18-02	40.50	76.75	N78-23-05W
C49	120.00	106.90	051-02-33	57.29	103.40	N34-12-47W
C50	120.00	51.86	024-45-32	26.34	51.45	N03-41-16E
C51	55.00	96.39	090-00-00	55.00	77.78	S28-55-58E
C52	35.00	54.98	090-00-00	35.00	49.50	N61-04-02E
C53	60.00	114.40	109-14-49	84.50	97.84	S16-04-02W
C54	35.00	33.37	054-37-24	18.07	32.12	N11-14-40W
C55	160.00	38.13	013-39-22	19.16	38.04	N22-53-43E
C56	620.00	22.63	002-05-28	11.31	22.63	S28-40-40W
C57	620.00	157.81	014-35-02	79.33	157.39	S20-20-25W
C58	620.00	135.38	012-30-40	67.96	135.11	S06-47-34W
C59	130.00	18.79	008-16-50	9.41	18.77	N04-40-39E
C60	130.00	280.60	123-40-08	242.80	229.21	N70-39-08E
C61	520.00	139.80	015-24-14	70.32	139.38	N47-52-34W
C62	520.00	51.50	084-18-46	31.69	51.50	N55-56-27W
C63	35.00	6.94	000-38-27	3.47	6.94	S21-29-11E
C64	620.00	93.00	008-35-40	46.59	92.91	N15-43-55E
C65	620.00	13.23	021-39-24	6.69	13.15	S22-15-47W
C66	50.00	38.83	044-28-53	20.45	37.86	N10-50-33E
C67	50.00	193.27	221-28-28	93.52	193.52	S57-51-22W
C68	50.00	41.75	004-17-41	1.87	3.75	S55-01-42E
C69	50.00	93.49	068-36-38	23.88	39.45	N22-52-14W
C70	50.00	93.49	009-14-07	46.85	92.39	N16-03-09E
C71	580.00	51.50	084-18-46	31.69	46.98	N62-22-35E
C72	50.00	62.38	006-52-25	31.23	62.34	N78-27-15W
C73	520.00	277.78	122-25-34	236.60	227.87	S20-40-40E
C74	380.00	176.88	026-40-12	90.07	175.29	N25-49-49E
C75	380.00	23.41	003-31-48	11.71	23.41	N10-43-32E
C76	155.00	73.10	027-01-15	37.24	72.42	S22-28-32W
C77	155.00	190.19	070-18-10	109.14	178.48	S71-08-15W
C78	155.00	39.67	014-39-36	19.95	39.57	N62-22-35E
C79	155.00	19.97	031-15-59	9.99	19.97	S60-42-14E
C80	345.00	134.13	022-1-33	67.92	133.29	S73-35-59E
C81	345.00	74.65	012-2-30	37.47	74.50	N89-09-49E
C82	80.00	157.92	113-06-08	121.10	133.50	N40-29-02W
C83	35.00	33.37	054-37-24	18.07	32.12	N43-22-44E
C84	380.00	9.09	001-22-13	4.5	9.09	N39-51-01E

LOS POBLANOS ORCHARDS
(BEING A REPLAT OF TRACT 6A-6, LOS POBLANOS RANCH)
SITUATE WITHIN
ELENA GALLEGOS GRANT
PROJECTED SECTIONS 30 AND 31 T11N, R3E, N.M.P.M.
M.R.G.C.D. MAPS 30 AND 31
VILLAGE OF LOS RANCHOS DE ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
AUGUST, 1996

PNM GAS AND ELECTRIC SERVICES EASEMENT RELEASE APPROVAL:

PNM ELECTRIC SERVICES AND/OR PNM GAS SERVICES DO HEREBY RELEASE, WAIVE, QUITCLAIM AND DISCHARGE THEIR RIGHT, TITLE, AND INTEREST IN THE EASEMENT (GRANTED BY PRIOR PLAT, REPLAT OR DOCUMENT) SHOWN TO BE VACATED ON THIS PLAT.

PNM ELECTRIC SERVICES
BY: _____ DATE: _____

PNM GAS SERVICES
BY: _____ DATE: _____

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS _____ DAY OF _____ 19____ BY _____ OF PNM ELECTRIC SERVICES, AND PNM GAS SERVICES.

MY COMMISSION EXPIRES _____

NOTARY PUBLIC

U.S. WEST COMMUNICATIONS QUITCLAIM

KNOW ALL MEN BY THESE PRESENTS: THAT U.S. WEST COMMUNICATIONS, INC., A COLORADO CORPORATION, HEREINAFTER CALLED "COMPANY" FOR AND IN CONSIDERATION OF ONE DOLLAR (\$1.00) AND OTHER GOOD AND VALUABLE CONSIDERATIONS IN HAND PAID, THE RECEIPT WHEREOF IS HEREBY CONFESSED AND ACKNOWLEDGED, DOES HEREBY RELEASE, REMISE AND QUITCLAIM ALL RIGHT, TITLE AND INTEREST IN THE EASEMENTS SHOWN TO BE VACATED ON THIS PLAT AT U HEREBY EXPRESSLY EXCEPTING AND RESERVING TO THE COMPANY, ANY AND ALL INTEREST OTHERWISE ACQUIRED IN SAID PROPERTY, EXCEPT AS SHOWN TO BE VACATED.

IN WITNESS WHEREOF, THE COMPANY HAS CAUSED THESE PRESENTS TO BE EXECUTED BY ITS DULY AUTHORIZED OFFICER THIS _____ DAY OF _____ 19____.

U.S. WEST COMMUNICATIONS, INC.
BY: _____
MANAGER - NETWORK AND TECHNOLOGY SERVICES

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS _____ DAY OF _____ 19____ BY _____ AS THE MANAGER-NETWORK AND TECHNOLOGY SERVICES OF U.S. WEST COMMUNICATIONS, INC., A COLORADO CORPORATION, ON BEHALF OF THE CORPORATION.

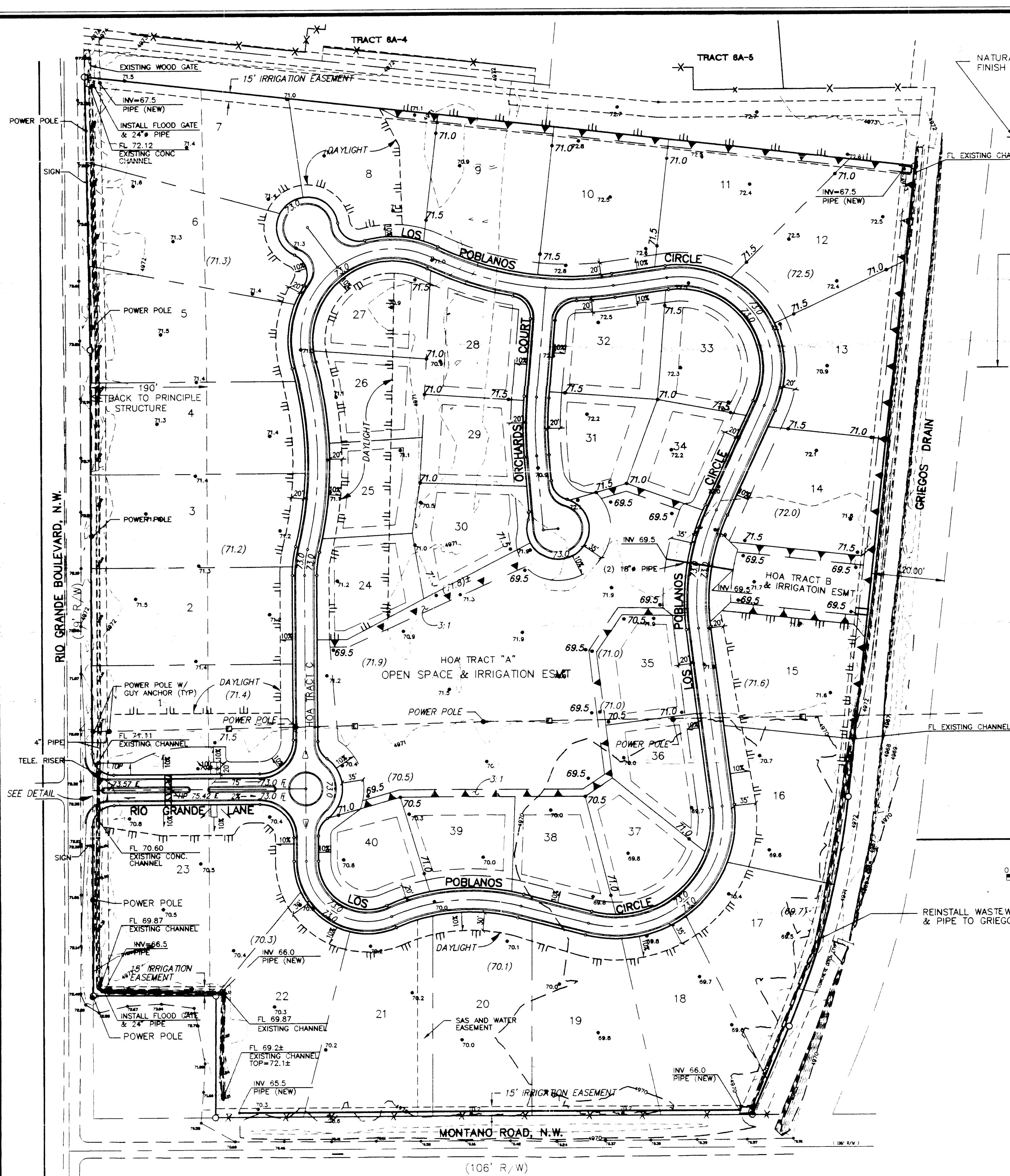
WITNESS MY HAND AND OFFICIAL SEAL.

BY: _____ MY COMMISSION EXPIRES _____

NOTARY PUBLIC

SHEET 3 OF 3

DATE: AUGUST, 1996
SCALE: 1"=100'

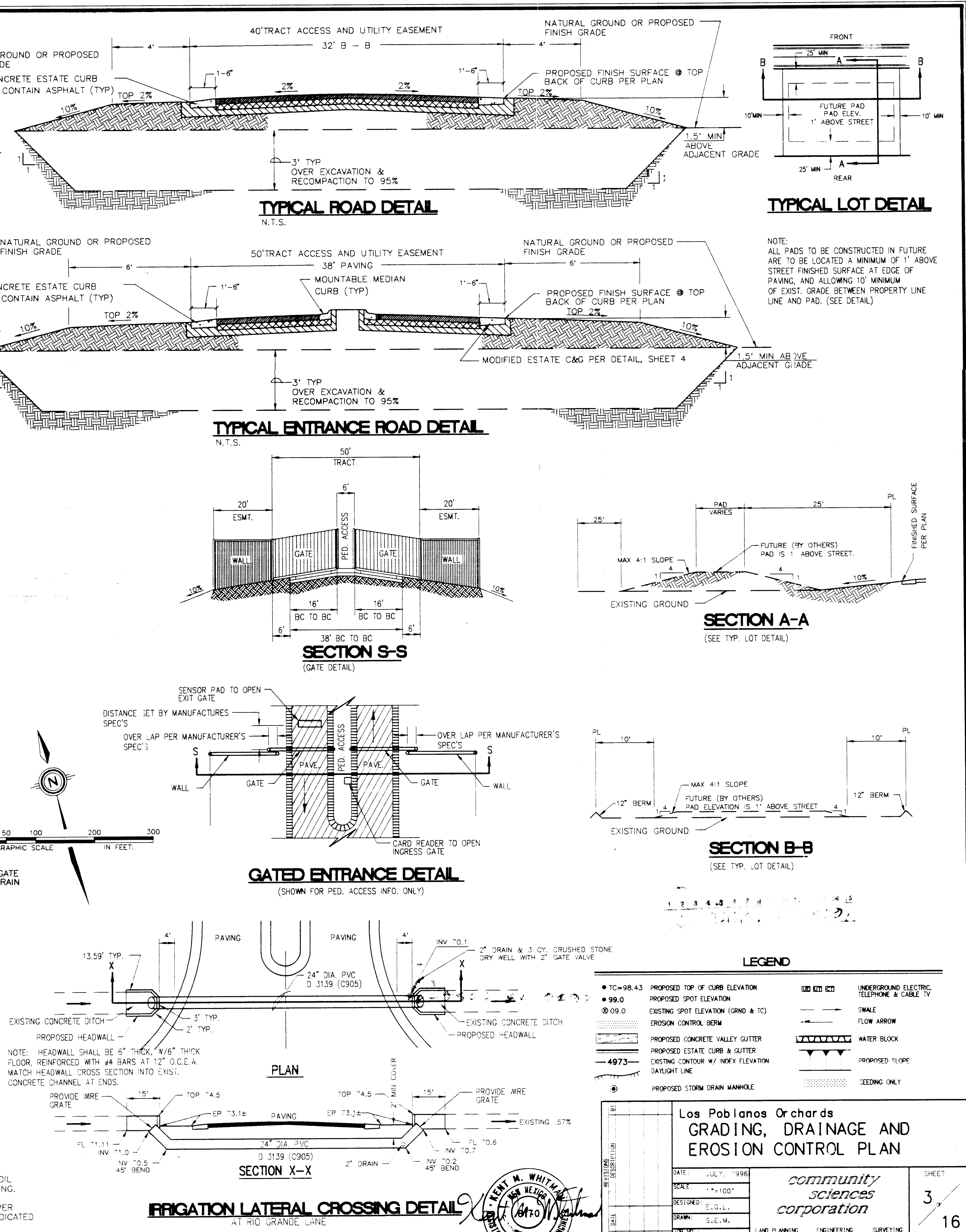


EARTHWORK

CUT = 24,750 CY.
 FILL = 18,300 CY.
 ASSUME 35% SHRINKAGE (UNTIL SOIL REPORT VALIDATES)
 (HOA TRACTS A&B ARE TO BE USED FOR "BALANCE WHEEL" OF SITE DURING GRADING OPERATION.)

EROSION CONTROL NOTES:

- CONTRACTOR SHALL OBTAIN A TOP SOIL DISTURBANCE PERMIT PRIOR TO GRADING.
- DISTURBED AREAS WILL BE SEEDED PER C.O.A. OPM SECTION 012, WHERE INDICATED BY SHADING, THIS PLAN.



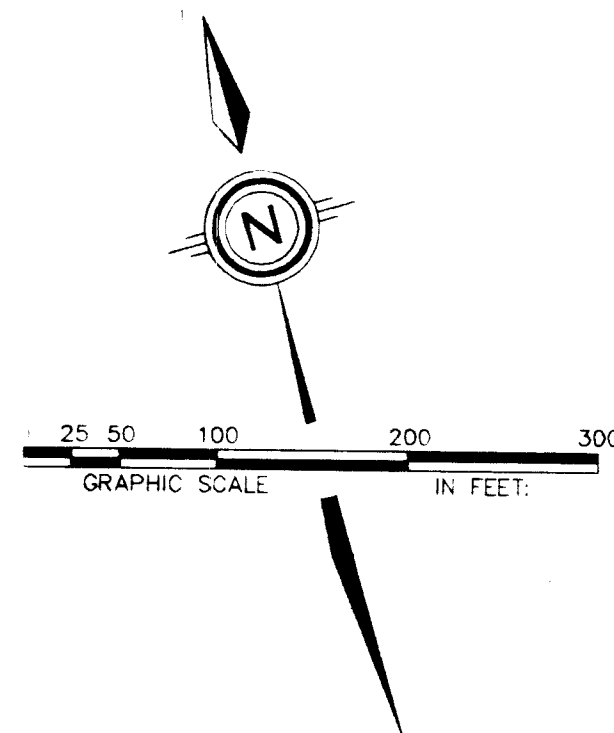
SCANNED BY LASON

FOR INFORMATION ONLY

THIS SHEET IS NOT A PART OF THE CITY OF ALBUQUERQUE WORK ORDER, AND IT IS SUBJECT TO CHANGE PER VILLAGE OF LOS RANCHOS REQUIREMENTS.

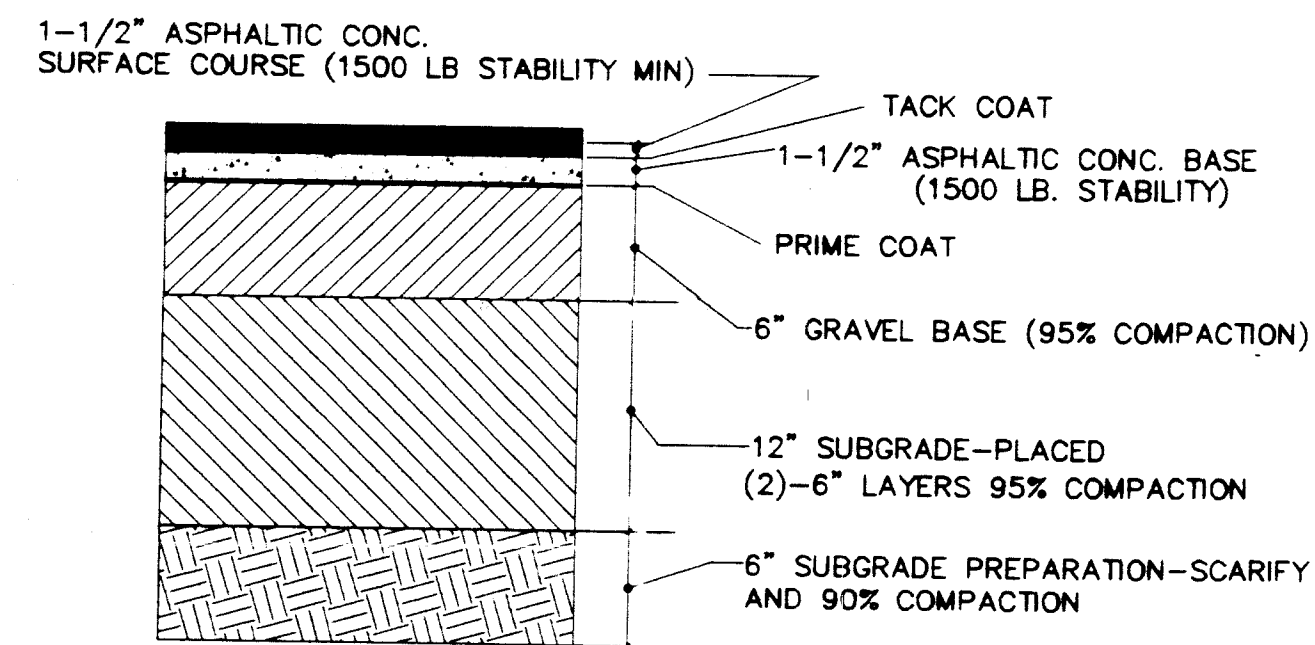
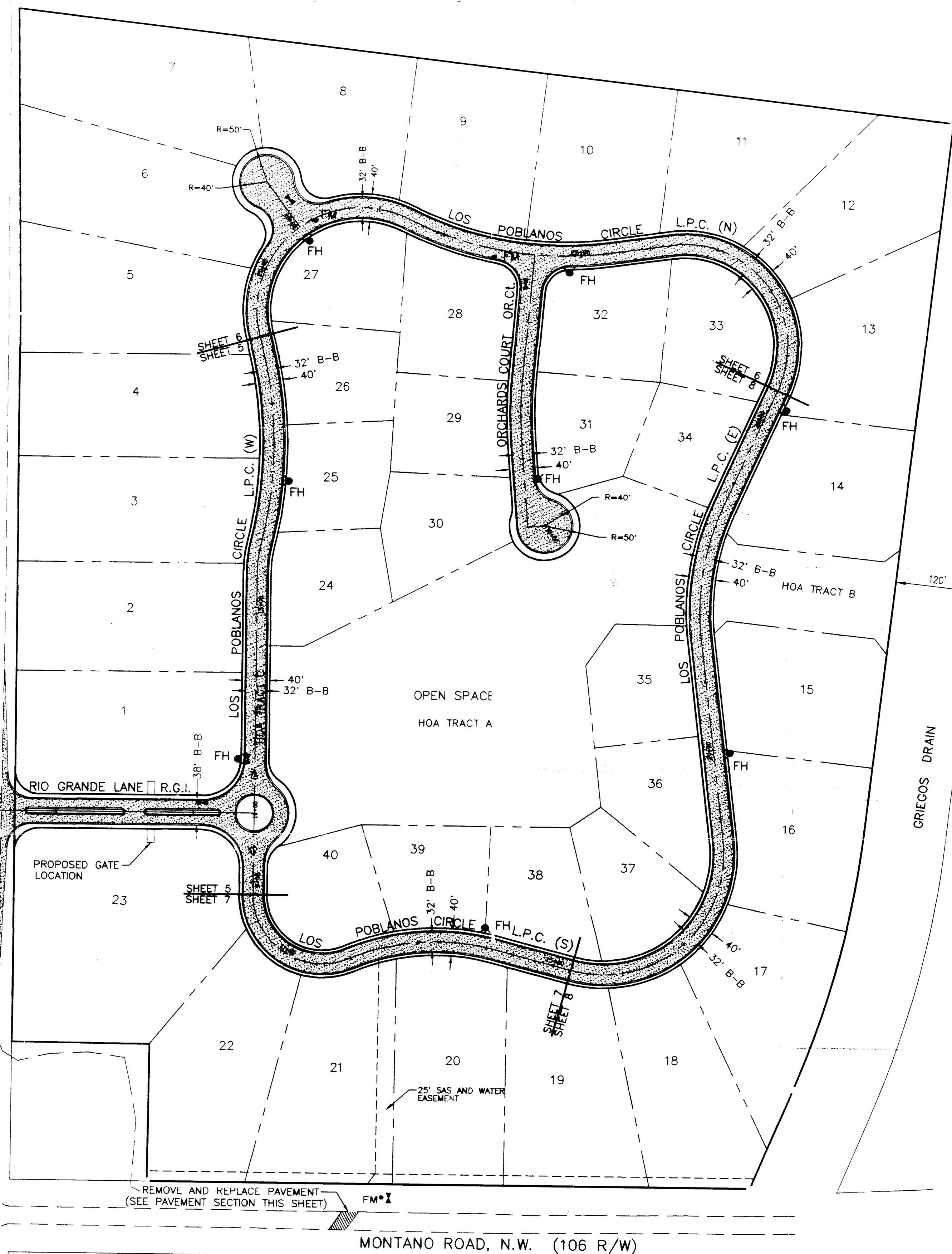
11/27/96

REF: C.O.A. PROJECT NO. 556681

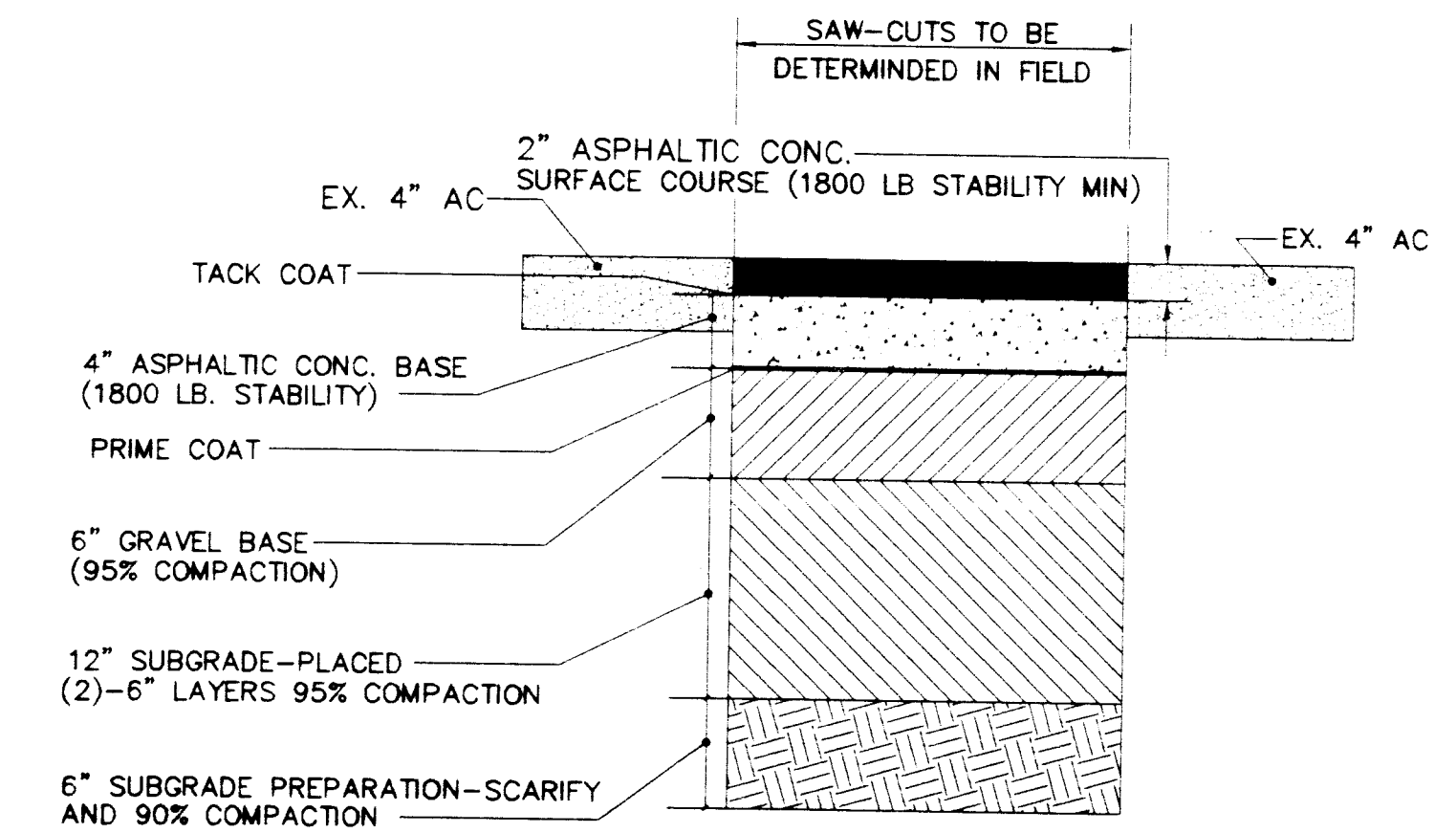


REMOVE AND REPLACE PAVEMENT
(SEE PAVEMENT SECTION THIS SHEET)

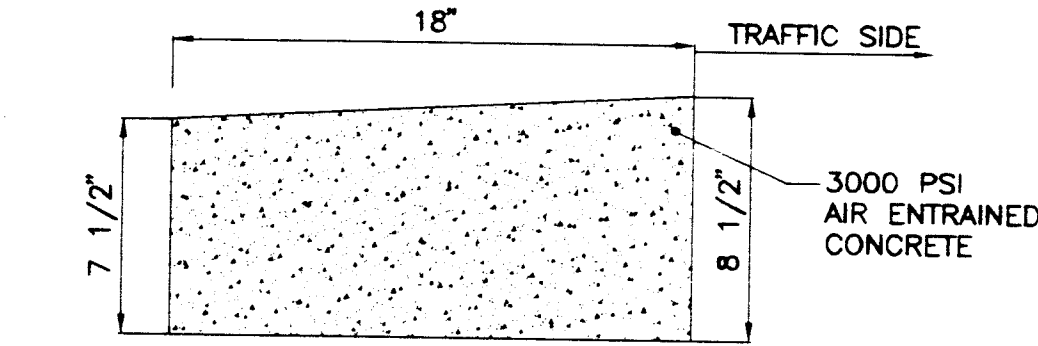
RIO GRANDE BOULEVARD, N.W.



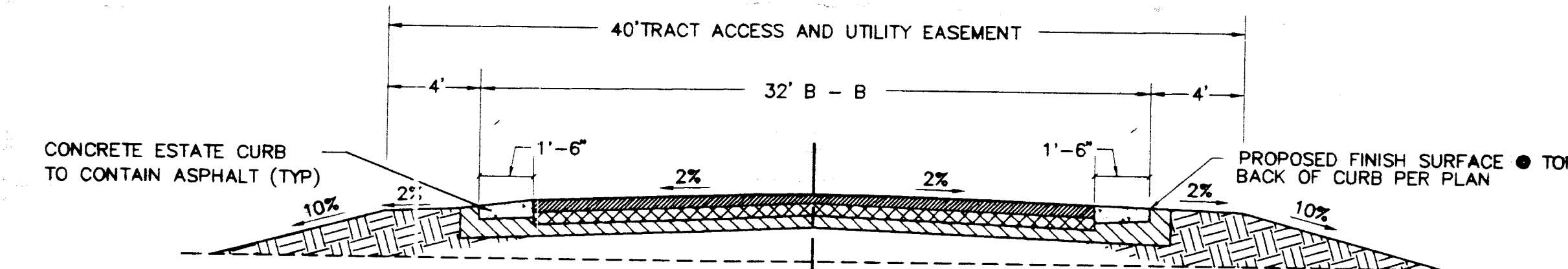
RESIDENTIAL PAVING SECTION
N.T.S.
(C.O.A. DWG NO. 2405)



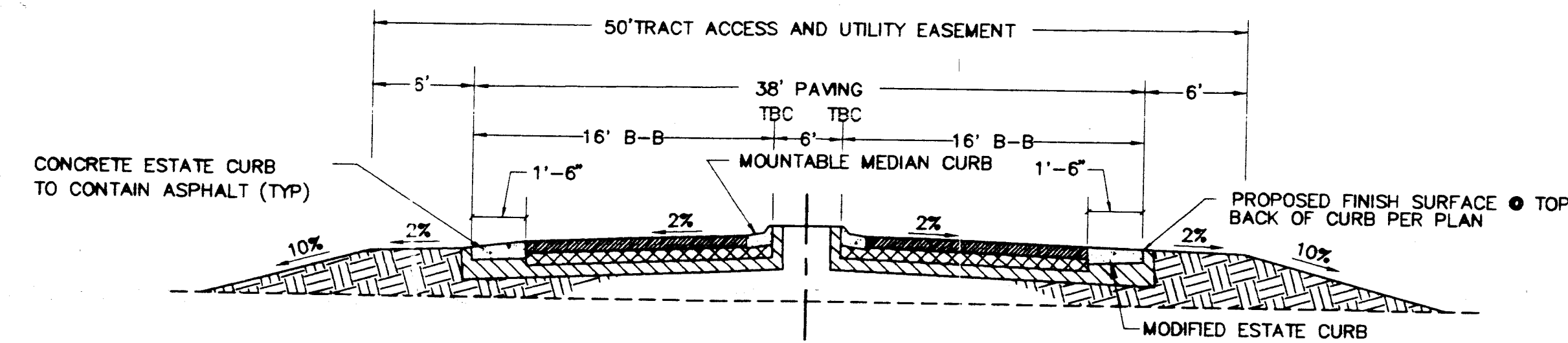
**REMOVE AND REPLACE PAVING SECTION
(RIO GRANDE BLVD. AND MONTANO RD.)**
N.T.S.
(C.O.A. DWG NO. 2465)



MODIFIED MOUNTABLE CURB (ESTATE TYPE)
N.T.S.



TYPICAL ROAD DETAIL



TYPICAL ENTRANCE ROAD DETAIL

NOTE: SEE SHEET #3 FOR GATE DETAILS
AT ENTRANCE #1 & 2

26-5566.81 0497

STREET ABBREVIATIONS

- L.P.C.(N) = LOS POBLANOS CIRCLE (NORTH)
- L.P.C.(S) = LOS POBLANOS CIRCLE (SOUTH)
- L.P.C.(E) = LOS POBLANOS CIRCLE (EAST)
- L.P.C.(W) = LOS POBLANOS CIRCLE (WEST)
- L.P.Cl. = LOS POBLANOS COURT
- R.G.L. = RIO GRANDE LANE

LEGEND

- PROPOSED LIMITS OF PAVING
- EXISTING EDGE OF PAVEMENT
- PROPOSED ESTATE CURB & GUTTER
- GATE VALVE
- FIRE HYDRANTS
- REMOVE AND REPLACE PAVING SECTION
- FLUSHING STRUCTURE MANHOLE

BENCHMARK

THE BENCHMARK FOR THIS PROJECT IS THE ACS MONUMENT "5-E13, 1991", LOCATED 23.8' EAST OF THE CENTERLINE OF RIO GRANDE BLVD. & 0.34 MILES NORTH FROM THE CENTERLINE OF MONTANO RD. N.W. ELEVATION = 4974.152

**Los Poblanos Orchards
COMPOSITE PAVING PLAN**

DATE: JULY, 1996	community sciences corporation	SHEET 4 16
SCALE: 1"=100'		
DESIGNED: T.J.B.		
DRAWN: C.S.D.		
JOB NO. 90-03-051	LAND PLANNING P.O. Box 1328	ENGINEERING Corrales, N.M. 87048

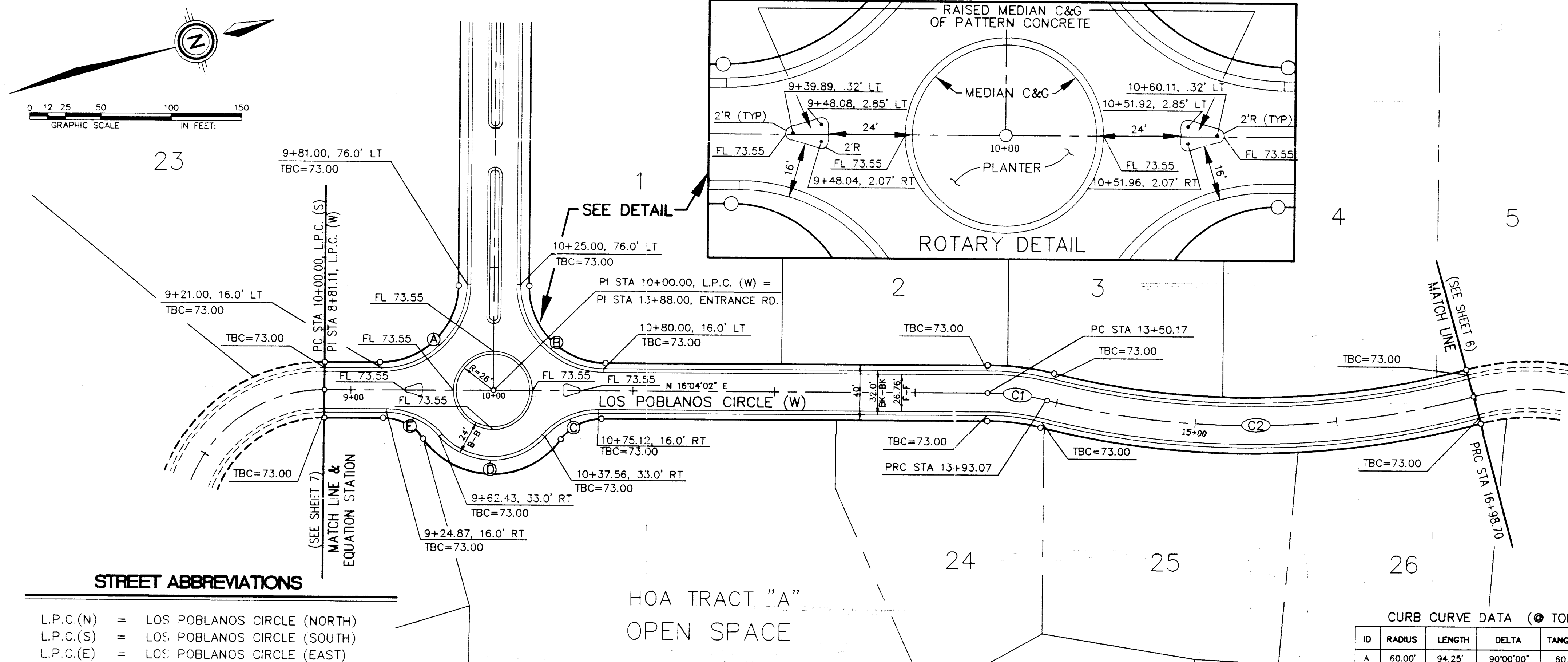
SCANNED BY
BY LASON

FOR INFORMATION ONLY

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11/27/96

REF: C.O.A. PROJECT NO. 556681

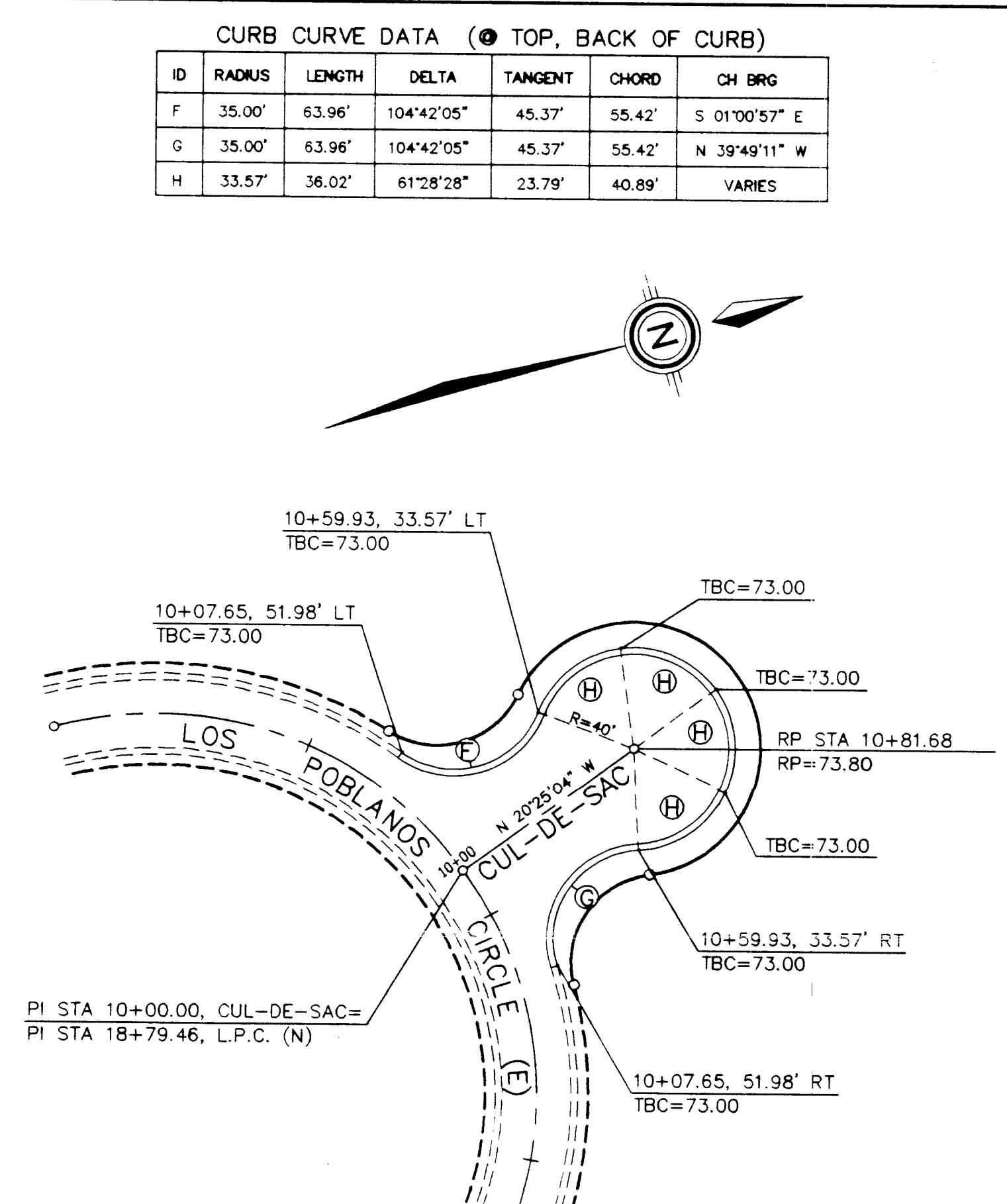


C1 CURVE DATA

ID	RADIUS	LENGTH	DELTA	TANGENT	CHORD	CH BRG
F	35.00'	63.96'	104°42'05"	45.37'	55.42'	S 01°00'57" E
G	35.00'	63.96'	104°42'05"	45.37'	55.42'	N 39°49'11" W
H	33.57'	36.02'	61°28'28"	23.79'	40.89'	VARIES

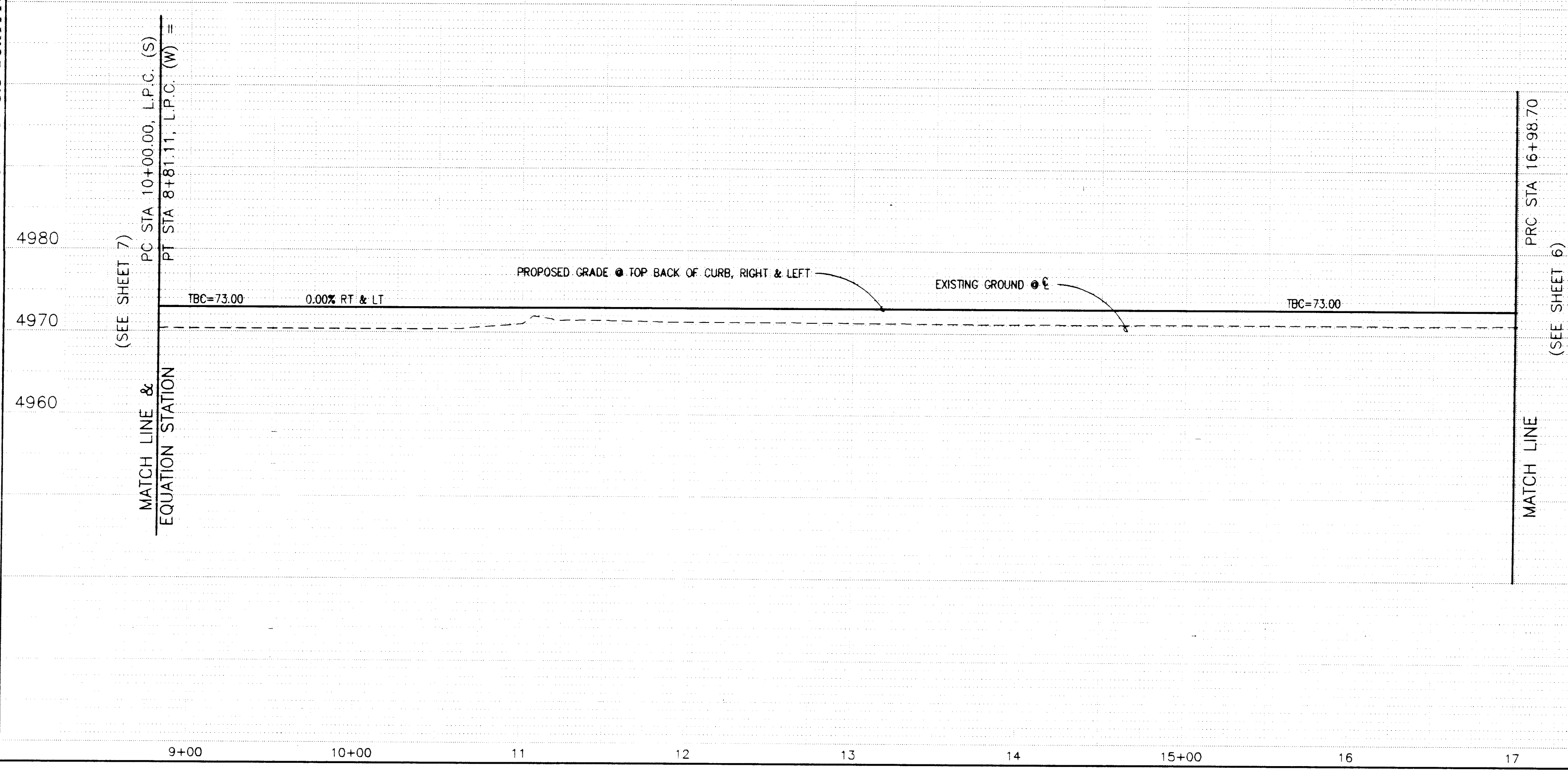
C2 CURVE DATA

ID	RADIUS	LENGTH	DELTA	TANGENT	CHORD	CH BRG
A	60.00'	94.25'	90°00'00"	60.00'	84.85'	S 28°55'58" E
B	60.00'	94.25'	90°00'00"	60.00'	84.85'	S 61°04'02" W
C	50.00'	42.50'	48°42'00"	22.63'	41.23'	N 08°16'58" W
D	50.00'	85.00'	97°24'01"	56.91'	75.13'	S 16°04'02" W
E	50.00'	42.50'	48°42'00"	22.63'	41.23'	N 40°25'02" E



CURB CURVE DATA (● TOP, BACK OF CURB)

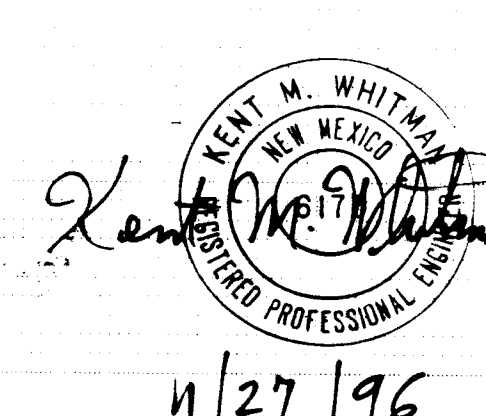
ID	RADIUS	LENGTH	DELTA	TANGENT	CHORD	CH BRG
A	60.00'	94.25'	90°00'00"	60.00'	84.85'	S 28°55'58" E
B	60.00'	94.25'	90°00'00"	60.00'	84.85'	S 61°04'02" W
C	50.00'	42.50'	48°42'00"	22.63'	41.23'	N 08°16'58" W
D	50.00'	85.00'	97°24'01"	56.91'	75.13'	S 16°04'02" W
E	50.00'	42.50'	48°42'00"	22.63'	41.23'	N 40°25'02" E



26-5566.81 0597

FOR INFORMATION ONLY

THIS SHEET IS NOT A PART OF THE CITY OF ALBUQUERQUE WORK ORDER, AND IT IS SUBJECT TO CHANGE PER VILLAGE OF LOS RANCHOS REQUIREMENTS.



Los Poblanos Orchards

PAVING PLAN & PROFILE

LOS POBLANOS CIRCLE (W)

DATE: AUGUST, 1996

SCALE: AS NOTED

DESIGNED: JAB

DRAWN: SPS/g

LAND PLANNING: P.O. Box 1328

ENGINEERING: Corrales, N.M. 87048

SURVEYING: Corrales, N.M. 87048

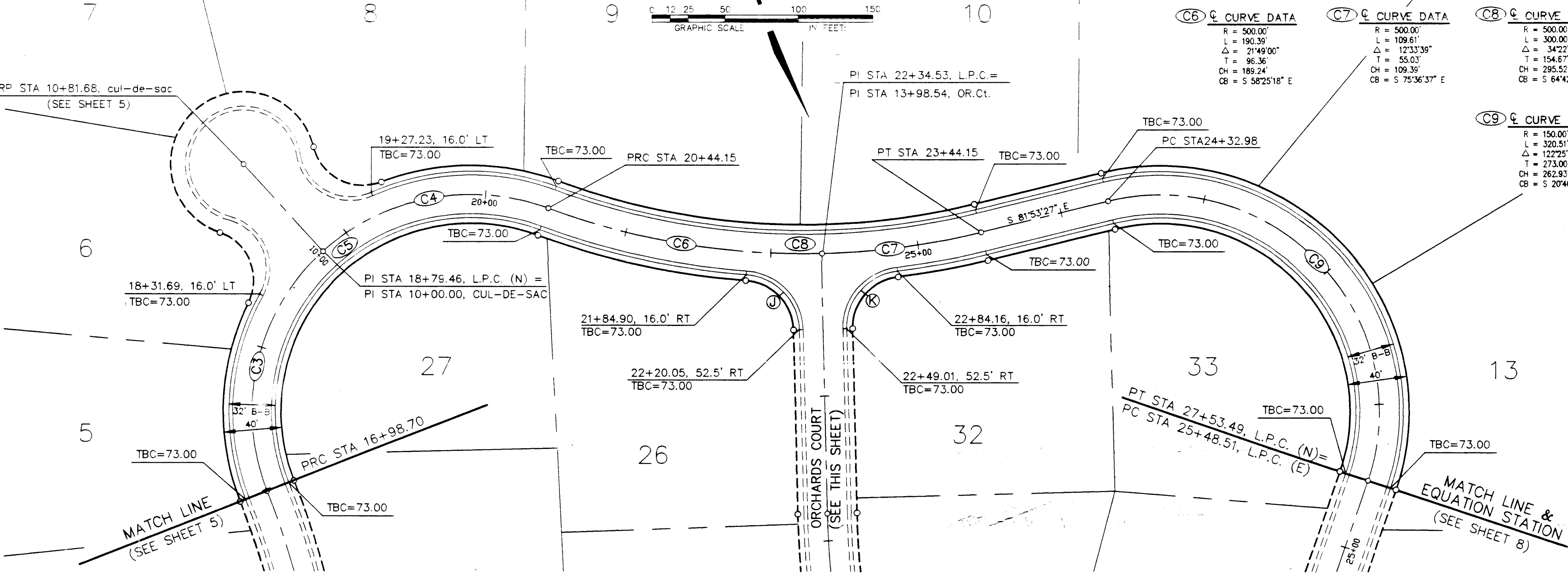
SHEET 5 OF 16

SCANNED BY RY LASON

11/27/96

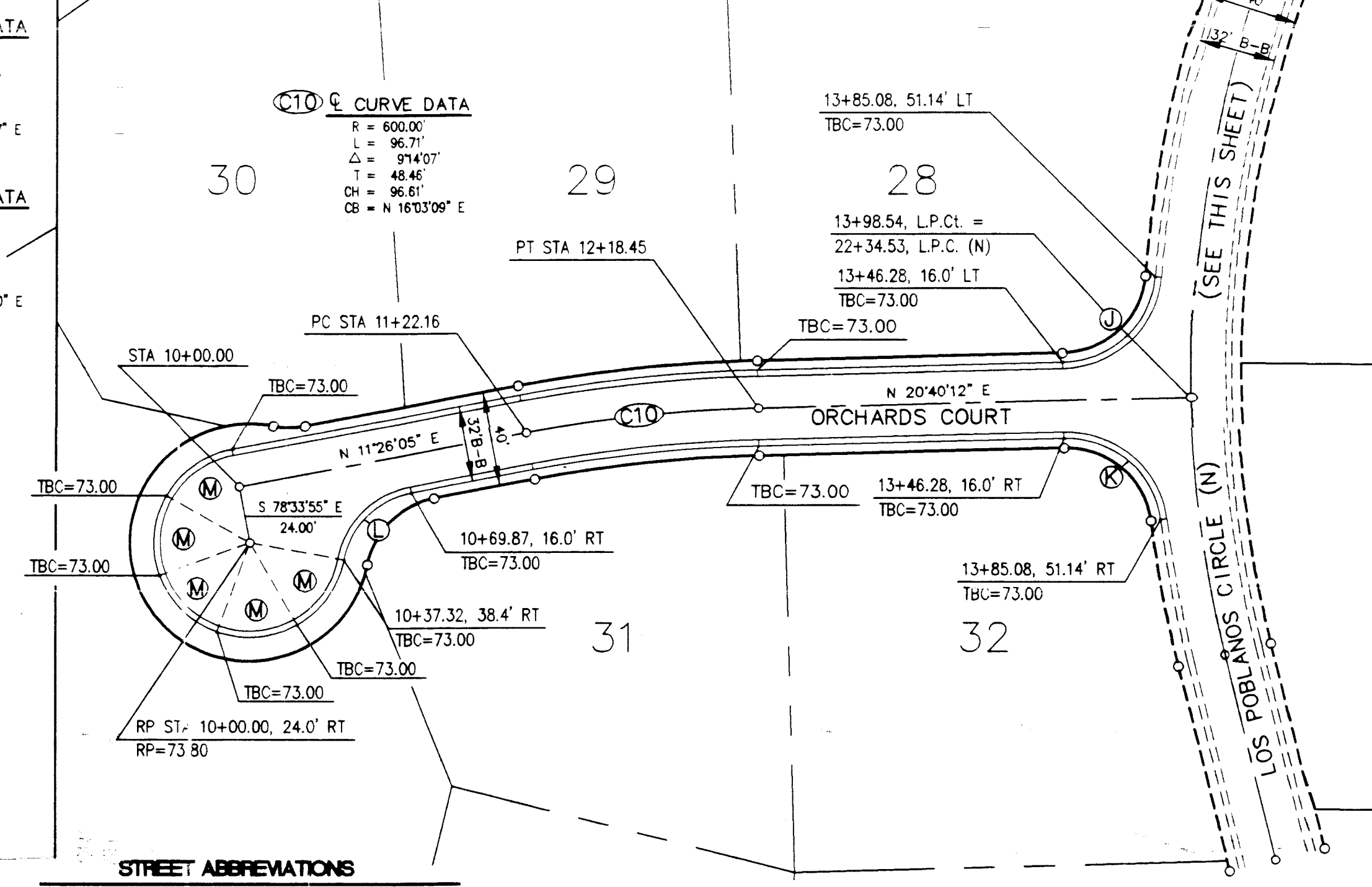
CURB CURVE DATA (● TOP, BACK OF CURB)

ID	RADIUS	LENGTH	DELTA	TANGENT	CHORD	CH BRG
J	39.00'	57.39'	84°08'46"	35.31'	52.35'	S 21°29'11" E
K	39.00'	57.39'	84°18'46"	35.31'	52.35'	N 62°49'35" E



CURB CURVE DATA (● TOP, BACK OF CURB)

ID	RADIUS	LENGTH	DELTA	TANGENT	CHORD	CH BRG
J	39.00'	57.39'	84°08'46"	35.31'	52.35'	S 21°29'11" E
K	39.00'	57.39'	84°18'46"	35.31'	52.35'	N 62°49'35" E
L	35.00'	42.09'	68°53'59"	24.01'	39.60'	N 23°00'55" W
M	40.00'	34.75'	49°46'52"	18.56'	33.67'	VARIES



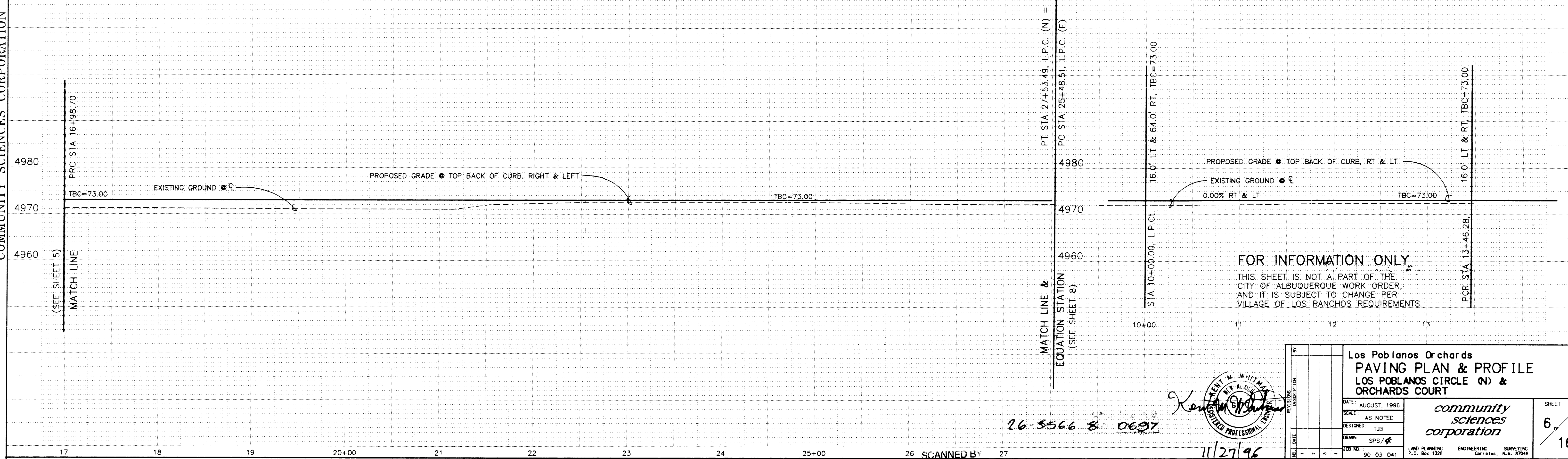
STREET ABBREVIATIONS

L.P.C.(N)	LOS POBLANOS CIRCLE (NORTH)
L.P.C.(S)	LOS POBLANOS CIRCLE (SOUTH)
L.P.C.(E)	LOS POBLANOS CIRCLE (EAST)
L.P.C.(W)	LOS POBLANOS CIRCLE (WEST)
OR.Ct.	LOS POBLANOS COURT
R.G.L.	RIO GRANDE LANE

LOS POBLANOS CIRCLE (N)

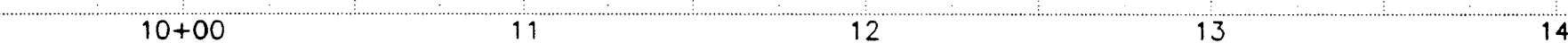
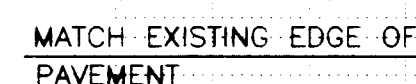
ORCHARDS COURT

SCALE: 1" = 50', Horiz.
1" = 10', Vert.



FOR INFORMATION ONLY:
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CITY OF ALBUQUERQUE WORK ORDER,
AND IT IS SUBJECT TO CHANGE PER
VILLAGE OF LOS RANCHOS REQUIREMENTS.

Los Poblanos Orchards PAVING PLAN & PROFILE LOS POBLANOS CIRCLE (N) & ORCHARDS COURT	
DATE: AUGUST, 1996	SCALE: AS NOTED
DESIGNED: TJB	DRAWN: SPS/g
JOB NO.: 90-03-041	LAND PLANNING: P.O. Box 1328
ENGINEERING: Corrales, N.M. 87048	SURVEYING: N/A
SHEET 6 OF 16	



ID	RADIUS	LENGTH	DELTA	TANGENT	CHORD	CH BRG
A	60.00'	94.25'	90°00'00"	60.00'	84.85'	S 28°55'58" E
E	60.00'	94.25'	90°00'00"	60.00'	84.85'	S 61°04'02" W
N	35.00'	54.98'	90°00'00"	35.00'	49.50'	S 28°55'58" E
C	35.00'	54.98'	90°00'00"	35.00'	49.50'	N 61°04'02" E

SEE SHEET 5 OF 16
FOR MEDIAN DETAIL

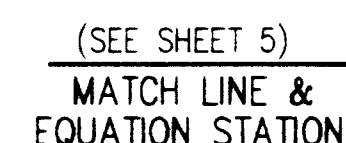
PI STA 13+88.00, R.G.L. =
PI STA 10+00.00 L.P.C. (W)

40

RIO GRANDE LANE

STREET ABBREVIATIONS

L.P.C.(N) = LOS POBLANOS CIRCLE (NORTH)
L.P.C.(S) = LOS POBLANOS CIRCLE (SOUTH)
L.P.C.(E) = LOS POBLANOS CIRCLE (EAST)
L.P.C.(W) = LOS POBLANOS CIRCLE (WEST),
OR.Ct. = ORCHARDS COURT
R.G.L. = RIO GRANDE LANE



LOS POBLANOS CIRCLE (S)

(C11) & CURVE DATA

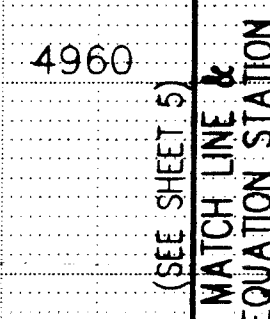
E-CURVE DATA

R =	100.00'
L =	197.40'
Δ =	113°06'08"
T =	151.38'
CH =	166.88'
CB =	S 40°29'02" E

C12) 4. CURVE DATA

R = 325.00'
L = 215.49'
 $\Delta = 37^{\circ}59'22''$
T = 111.87'
H = 211.56'
B = S 78.02°25' E

SCALE: 1" = 50', Horiz.
1" = 10', Vert.



26-5566.81 0797

FOR INFORMATION ONLY

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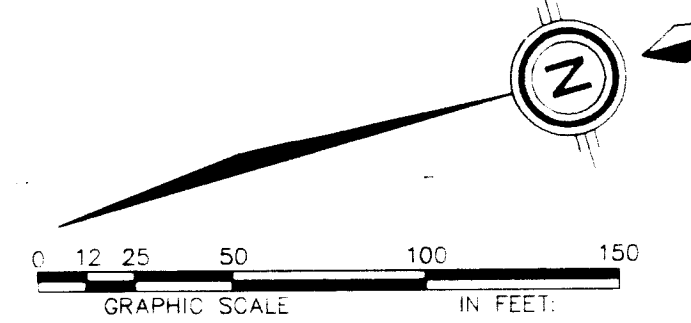
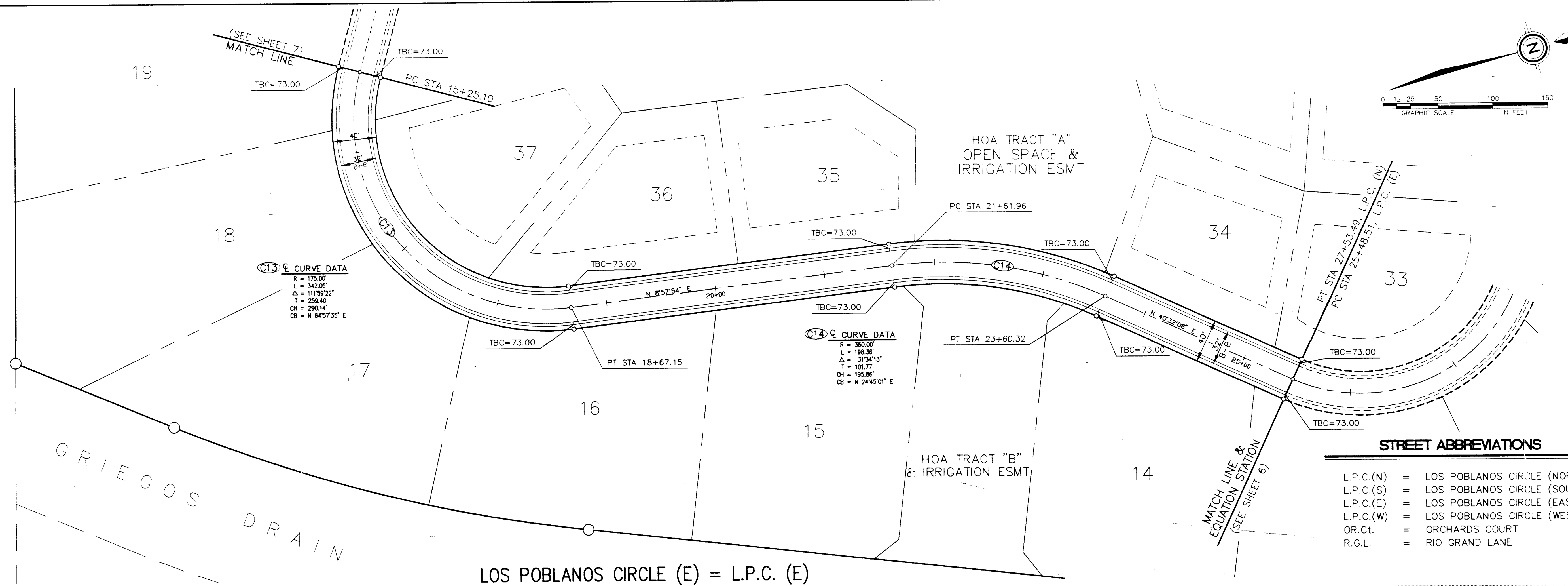
Los Poblanos Orchards
PAVING PLAN & PROFILE
LOS POBLANOS CIRCLE (S) &
RIO GRANDE LANE

*community
sciences
corporation*

DRAWN: SPS/gf
 JOB NO.: 00-07-014
 LAND PLANNING
 P.O. Box 1328
 ENGINEERING
 Corvallis, OR 97331
 SURVEYING
 N.W. 8700

SHEET
7 of 16

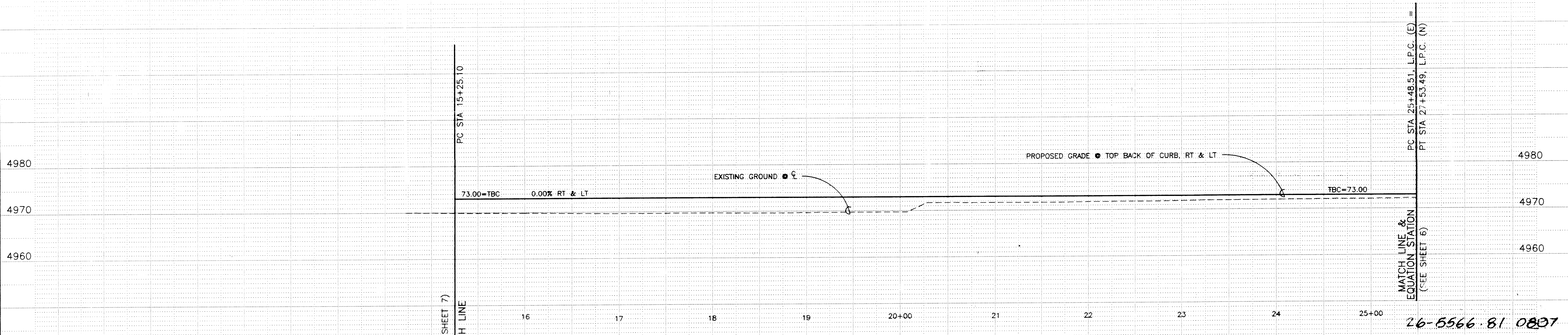
REF: C.O.A. PROJECT NO. 556681



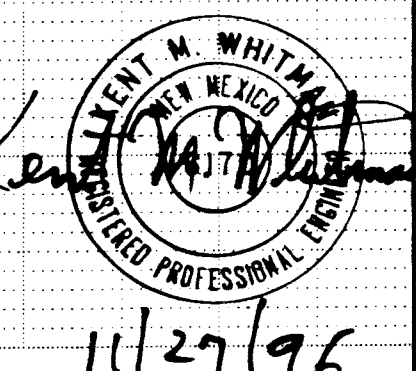
STREET ABBREVIATIONS

L.P.C.(N)	=	LOS POBLANOS CIRCLE (NORTH)
L.P.C.(S)	=	LOS POBLANOS CIRCLE (SOUTH)
L.P.C.(E)	=	LOS POBLANOS CIRCLE (EAST)
L.P.C.(W)	=	LOS POBLANOS CIRCLE (WEST)
OR.Ct.	=	ORCHARDS COURT
R.G.L.	=	RIO GRAND LANE

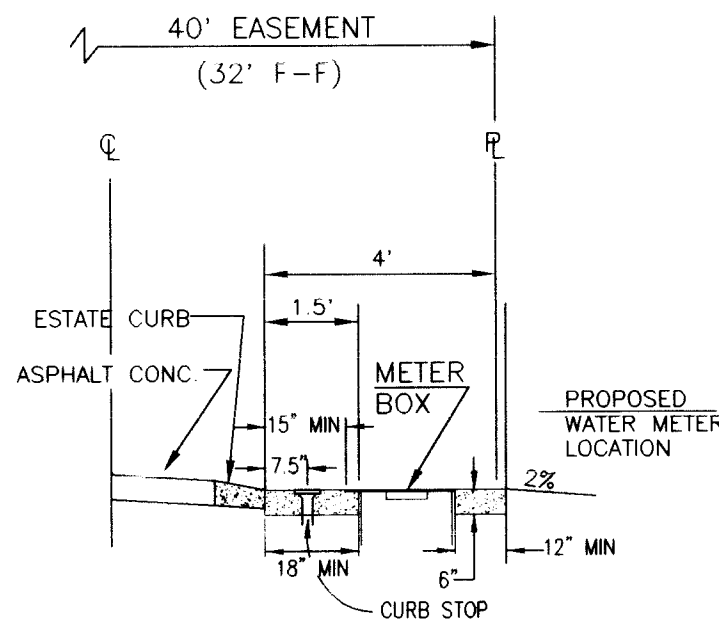
SCALE: 1" = 50', Horiz.
 1" = 10', Vert.



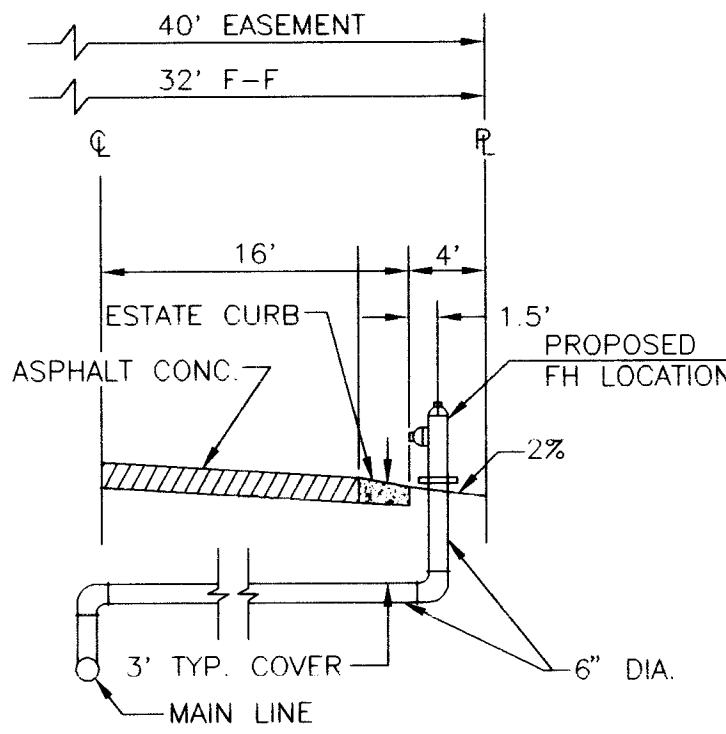
FOR INFORMATION ONLY
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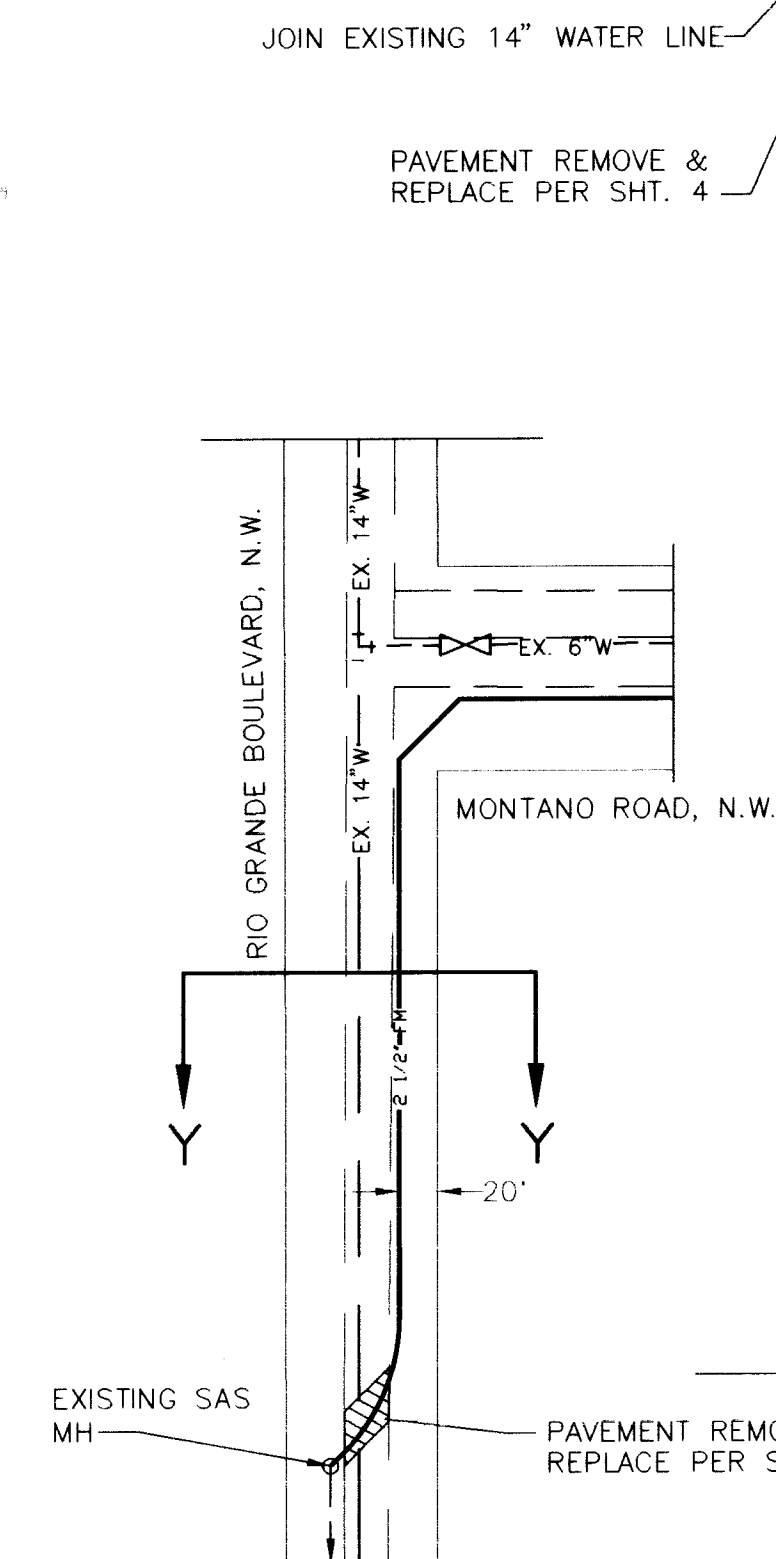
Los Poblanos Orchards PAVING PLAN & PROFILE LOS POBLANOS CIRCLE (E)	
DATE: AUGUST, 1996 SCALE: AS NOTED DESIGNED: TJB DRAWN: SPS/gf	community sciences corporation
DATE: 90-03-041 LAND PLANNING: P.O. Box 1328 ENGINEERING: Corrales, N.M. 87048 SURVEYING: Corrales, N.M. 87048	SHEET 8 / 16

**TYPICAL WATER METER LOCATION DETAIL**

N.T.S.
ALL WATER SERVICES TO BE
3/4" COPPER LINES

**TYPICAL FIRE HYDRANT LOCATION DETAIL**

N.T.S. / USE AIR RELEASE HYDRANT
PER C.O.A. DWG 2344
(NO VALVE)



RIO GRANDE BOULEVARD, N.W.

RIO GRANDE LANE (R.G.L.)

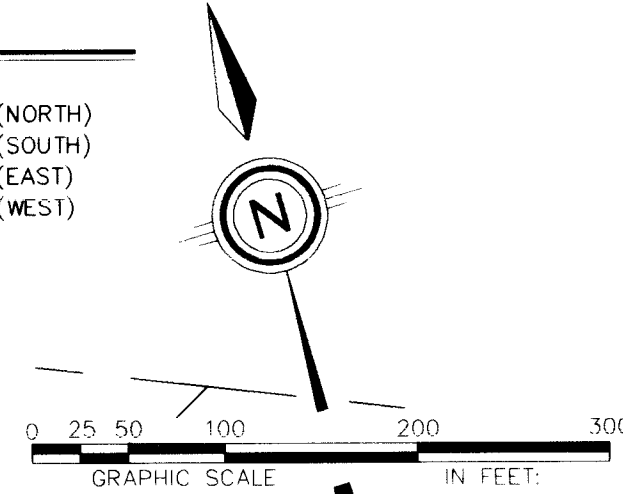
MONTANO ROAD, N.W.

MONTANO ROAD, N.W. (106 R/W)

NOTE: CONTRACTOR TO COORDINATE WITH C.O.A. MONTANO RD.
CONSTRUCTION PROJECT CPN 3255. (PROJECT MANAGER AT
CITY, ED ADAMO) (WILSON PROJECT MANAGER IS SCOTT
PERKINS - 254-4000)

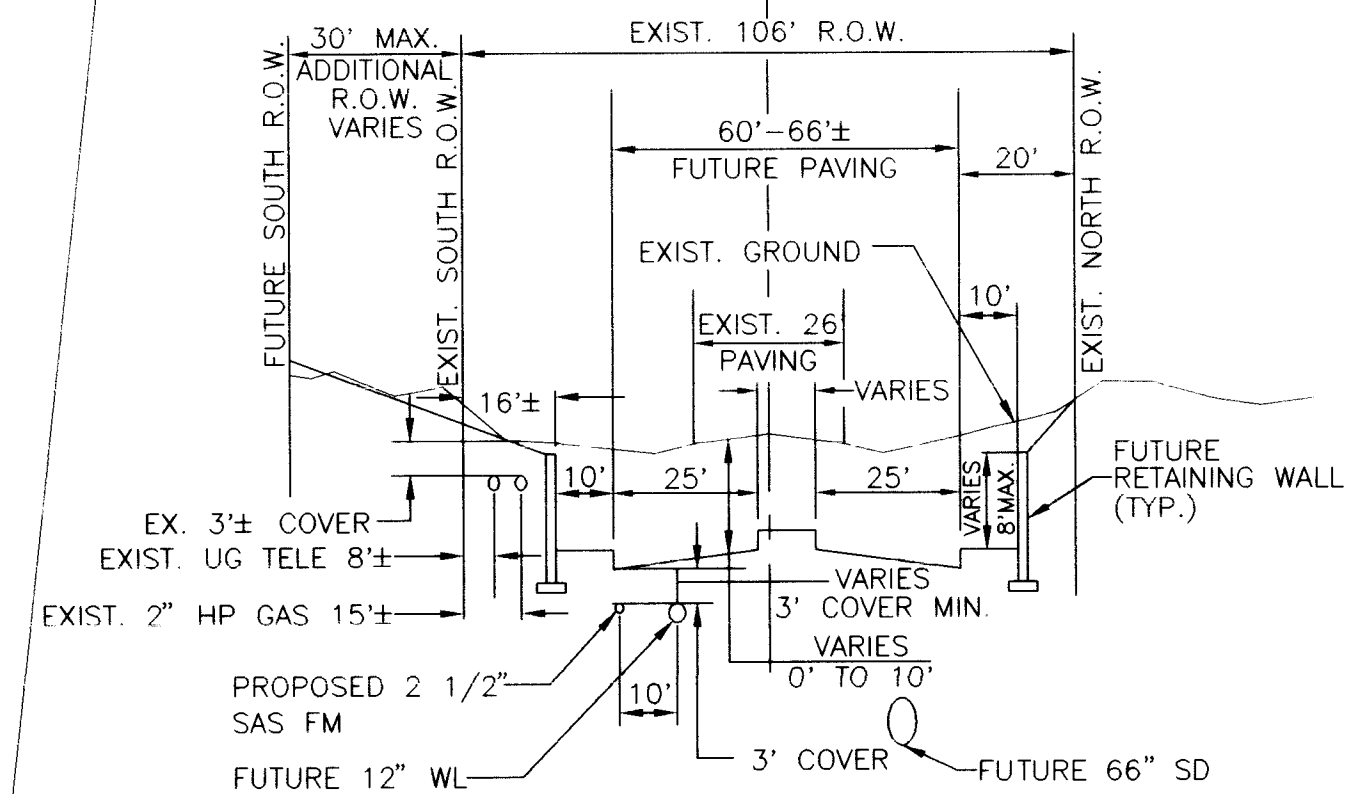
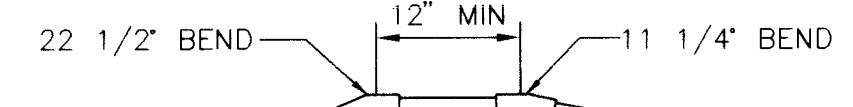
STREET ABBREVIATIONS

L.P.C.(N) = LOS POBLANOS CIRCLE (NORTH)
L.P.C.(S) = LOS POBLANOS CIRCLE (SOUTH)
L.P.C.(E) = LOS POBLANOS CIRCLE (EAST)
L.P.C.(W) = LOS POBLANOS CIRCLE (WEST)
OR CL. = ORCHARDS COURT
R.G.L. = RIO GRANDE LANE

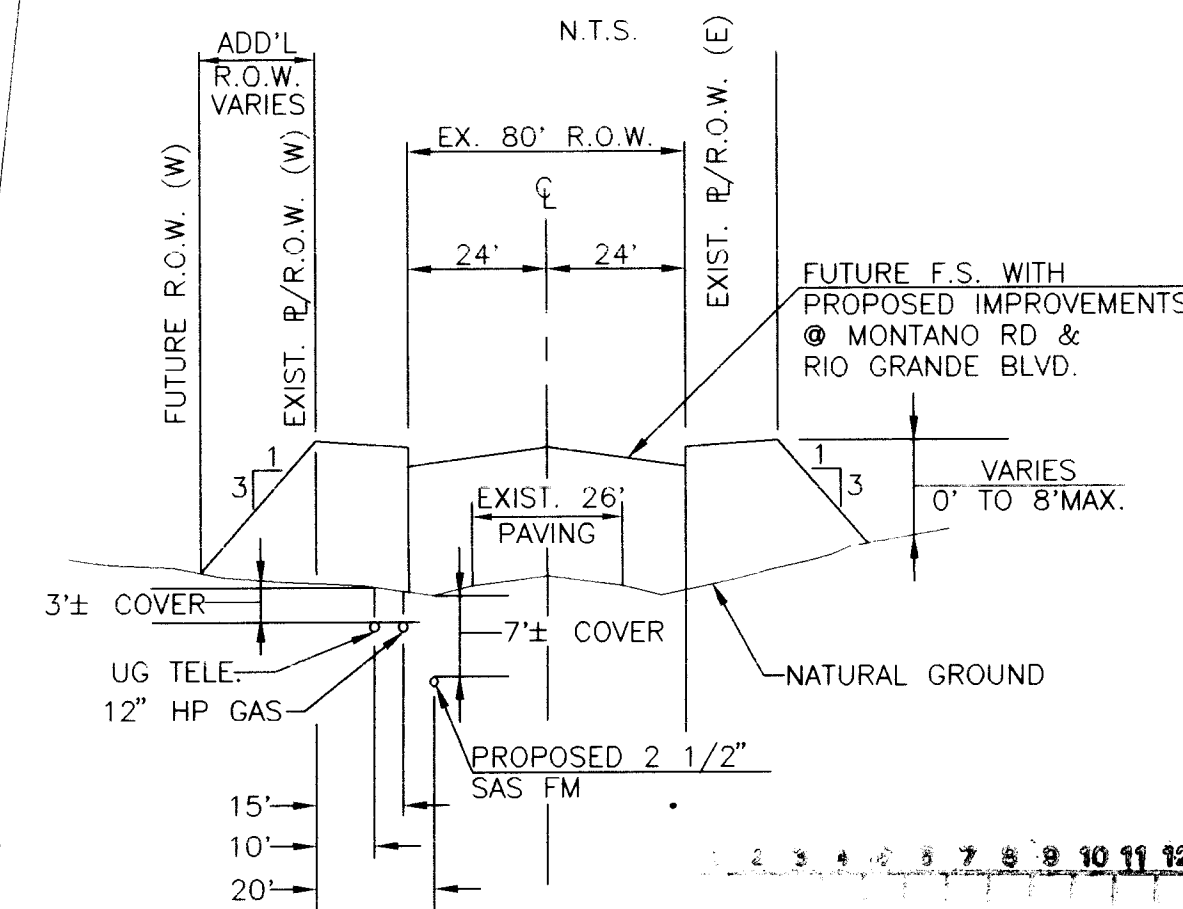
**RECORD DRAWING**

I hereby certify that the information contained in this drawing has been revised in accordance with information furnished by the City of Albuquerque, New Mexico, and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan is constructed in substantial compliance with the Approved Plan.

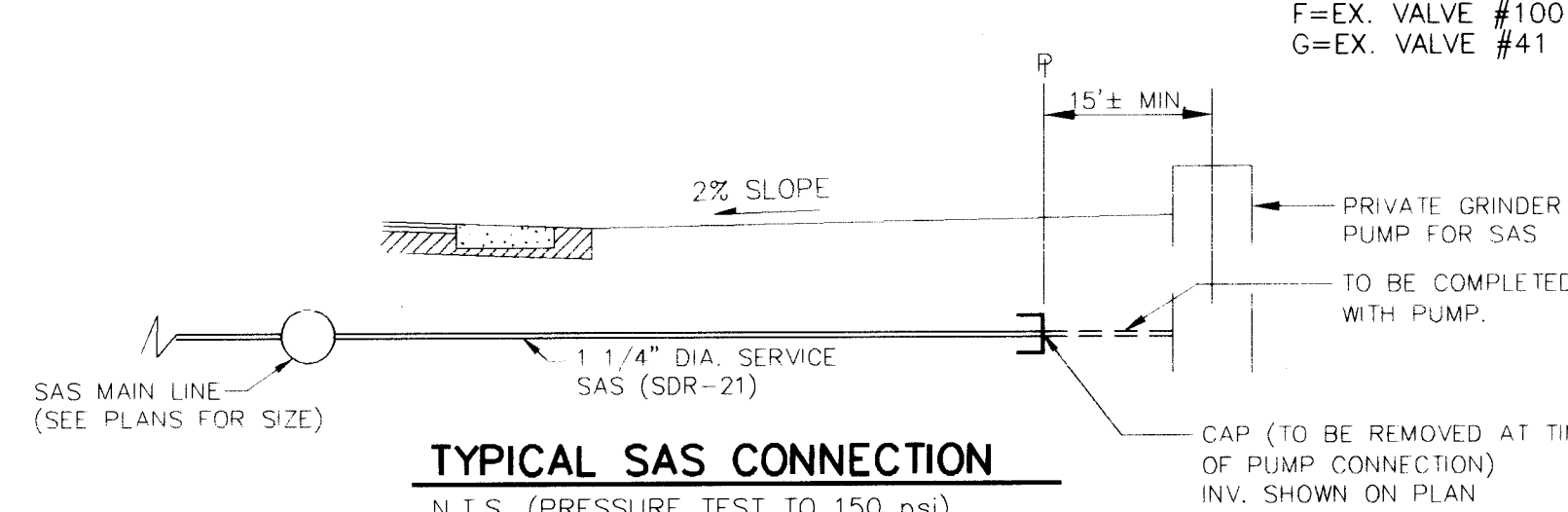
John M. Mackenzie
John M. Mackenzie NMPE 41619

**SECTION X-X (TYP.)
MONTANO RD.****DETAIL FOR COMPOUND BENDS**

N.T.S.

**SECTION Y-Y (TYP.)
RIO GRANDE BLVD.**

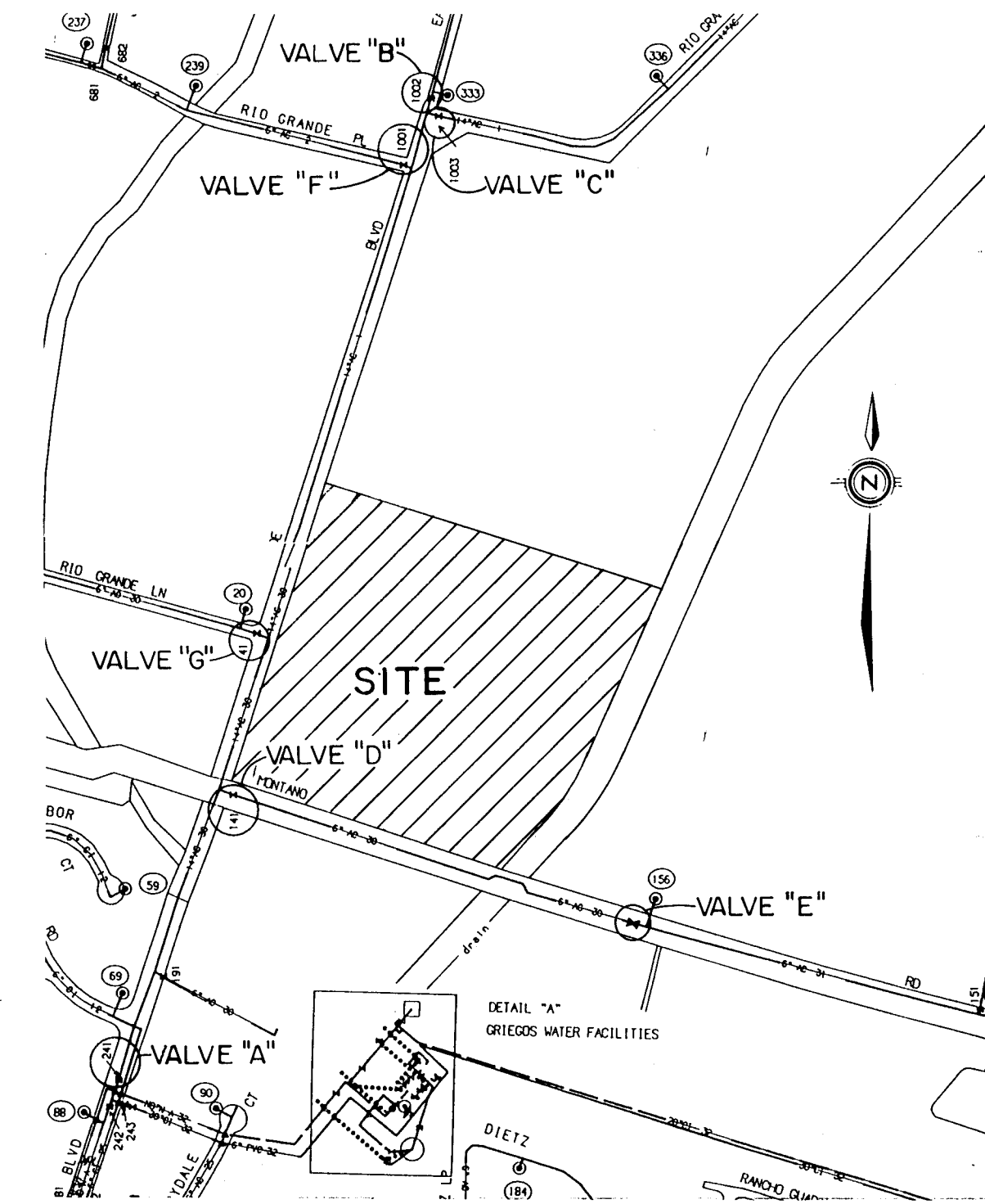
N.T.S.
NOTE: CONTRACTOR TO PROTECT
EXISTING UNDERGROUND UTILITIES
WHEN TRENCHING FOR 2 1/2" SAS-FM

**TYPICAL SAS CONNECTION**

N.T.S. (PRESSURE TEST TO 150 PSI)

UTILITY LEGEND

DESCRIPTION	PROPOSED	EXISTING
SANITARY SEWER FORCE MAIN	2" FM	2" FM
ENCASEMENT		
SANITARY SEWER MANHOLE		
SAS SERVICE CONNECTION		
STORM DRAIN LINE	SD 30"	SD 30"
STORM DRAIN MANHOLE		
STORM DRAIN INLETS		
WATER LINE	W 6"	W 6"
GATE VALVE		
BUTTERFLY VALVE		
FIRE HYDRANTS		
REDUCERS		
WATER SERVICE/ METER		
TEES		
CROSSES		
BENDS		
CAPS & PLUGS		
SAS CLEAN OUT/ FLUSHING MANHOLE		
GAS LINES	N/A	6" H.P.
OVERHEAD ELECTRICAL LINE	N/A	
UNDERGROUND ELECTRICAL	N/A	
OVERHEAD TELEPHONE	N/A	
UNDERGROUND TELEPHONE	N/A	
CABLE TELEVISION	N/A	
POWER OR TELEPHONE POLE	N/A	

**WATER SHUT-OFF PLAN**

NOTES:
1. VALVES "A", "B", "C", "D", "F" & "G" SHALL BE SHUT-OFF SO NON-PRESSURE CONNECTIONS CAN BE MADE IN RIO GRANDE BLVD.
2. VALVES "D" & "E" SHALL BE SHUT-OFF SO NON-PRESSURE CONNECTIONS CAN BE MADE IN MONTANO RD.
3. CONTRACTOR SHALL CONTACT WATER SYSTEMS DIVISION (857-8200) FIVE (5) WORKING DAYS PRIOR TO VALVE SHUT-OFF ONLY WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE VALVES.
4. APPROXIMATE SHUT-OFF TIME = 12 HOURS.

A=EX. VALVE #241
B=EX. VALVE #1002
C=EX. VALVE #1003
D=EX. VALVE #141
E=EX. VALVE CONSTRUCTED W/CPN 5053.90 (LOS POBLANOS COURTYARD)
F=EX. VALVE #1001
G=EX. VALVE #41

DATE: 1/3/95
SCALE: 1"=100'

community sciences corporation

LAND PLANNING ENGINEERING SURVEYING
P.O. Box 1328 Corrales, N.M. 87048-0328

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LOS POBLANOS ORCHARDS
COMPOSITE UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
DESIGN REVIEW COMMITTEE			

PROJECT NO. 556681	MAP NO. F-13	SHEET 9 OF 16
--------------------	--------------	---------------

AS BUILT INFORMATION	BENCH MARKS	SURVEY INFORMATION	ENGINEER'S SEAL	REMARKS	REVISIONS	NO.	DATE
CONTRACTOR: Hydro Systems DATE: 5-97 SUBMITTER: ALS DATE: 9-97 ACCEPTANCE BY: MGA DATE: 9-97 REVISIONS: MGA DATE: 10-97 MICRO-FILM INFORMATION RECORDED BY: MGA DATE: 10-97	THE STATION IS AN ACS 3 1/4" ALUMINUM CAP RIVETED TO AN ALUMINUM PIPE PROJECTING 0.25' ABOVE THE GROUND AND IS STAMPED "S-E-T-3, 1991". IT IS LOCATED 23.8 FEET EAST OF THE CENTERLINE OF RIO GRANDE BLVD., N.W. AND 0.34 MILE± FROM THE CENTERLINE OF MONTANO RD., N.W. ELEV = 4974.152	NO. 1 DATE 7/96 BY COMMUNITY SCIENCES	DATE 11/27/96 BY N. WHITMAN N. WHITMAN REGISTERED PROFESSIONAL ENGINEER NEW MEXICO	DESIGNED BY: T.A.B. DATE: JULY, 1996 DRAWN BY: C.S.D./D.L.W. DATE: OCT., 1996 CHECKED BY: DATE	DESIGN	1	7/96

SCANNED BY
3Y LASON1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-5566.81 0997

STREET ABBREVIATIONS

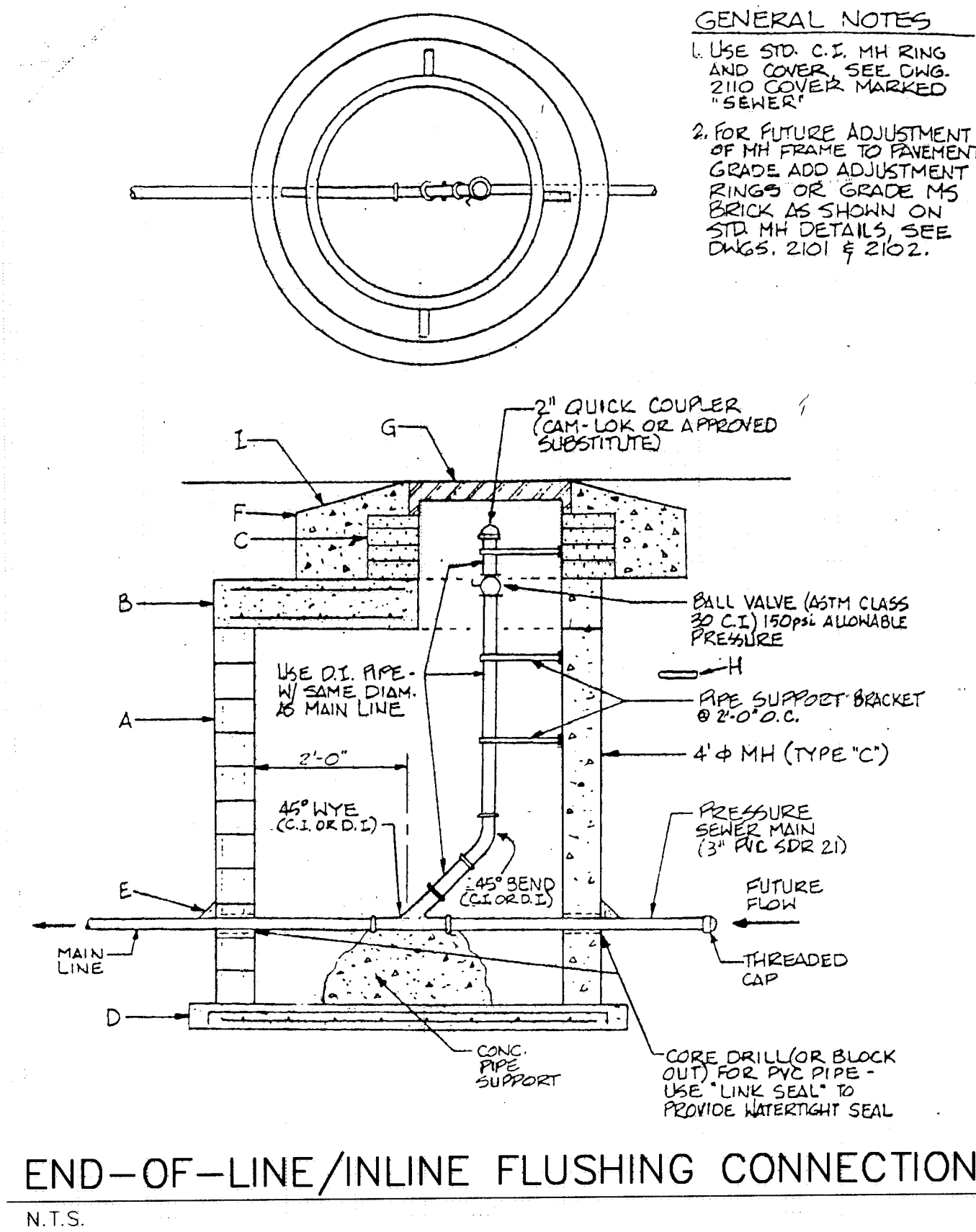
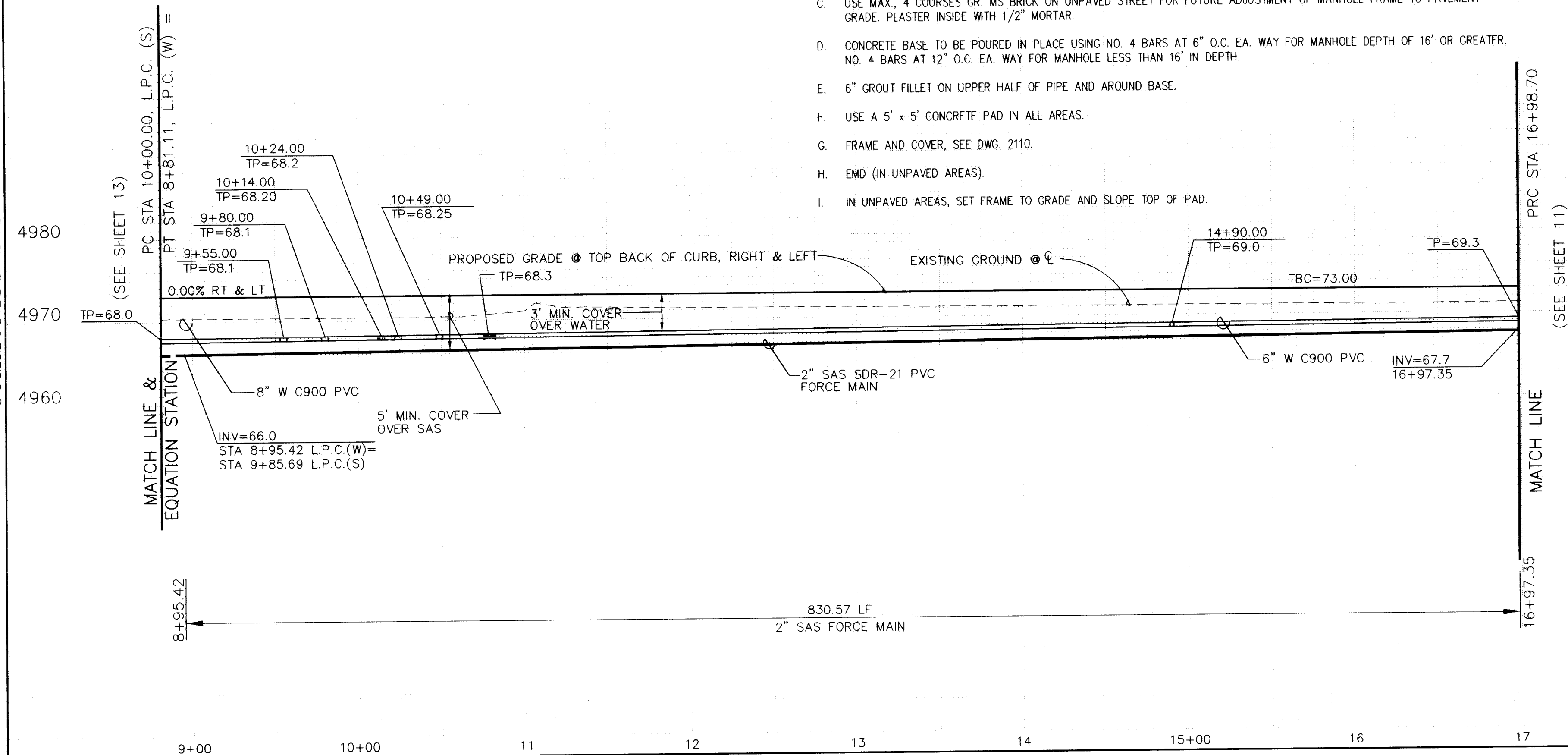
L.P.C.(N)	=	LOS POBLANOS CIRCLE (NORTH)
L.P.C.(S)	=	LOS POBLANOS CIRCLE (SOUTH)
L.P.C.(E)	=	LOS POBLANOS CIRCLE (EAST)
L.P.C.(W)	=	LOS POBLANOS CIRCLE (WEST)
OR.Ct.	=	ORCHARDS COURT
R.G.L.	=	RIO GRANDE LANE

HOA TRACT "A"
OPEN SPACE

LOS POBLANOS CIRCLE (W) = L.P.C. (W)

CONSTRUCTION KEYED NOTES:

- MANHOLE MAY BE CONSTRUCTED OF CONCRETE BLOCK, OR MS BRICK, POURED CONCRETE OR PRECAST REINFORCED CONCRETE. IF BLOCK OR BRICK, PLASTER INSIDE AND OUT WITH 1/2" MORTAR. SEE DWG. 2118 FOR DETAILS.
- PRECAST CONCRETE COVER SEE DWG. 2107.
- USE MAX. 4 COURSES OR MS BRICK ON UNPAVED STREET FOR FUTURE ADJUSTMENT OF MANHOLE FRAME TO PAVEMENT GRADE. PLASTER INSIDE WITH 1/2" MORTAR.
- CONCRETE BASE TO BE POURED IN PLACE USING NO. 4 BARS AT 6" O.C. EA. WAY FOR MANHOLE DEPTH OF 16' OR GREATER. NO. 4 BARS AT 12" O.C. EA. WAY FOR MANHOLE LESS THAN 16' IN DEPTH.
- 6" GROUT FILLET ON UPPER HALF OF PIPE AND AROUND BASE.
- USE A 5' x 5' CONCRETE PAD IN ALL AREAS.
- FRAME AND COVER, SEE DWG. 2110.
- END (IN UNPAVED AREAS).
- IN UNPAVED AREAS, SET FRAME TO GRADE AND SLOPE TOP OF PAD.



END-OF-LINE/INLINE FLUSHING CONNECTION

N.T.S.

UTILITY LEGEND		
DESCRIPTION	PROPOSED	EXISTING
SANITARY SEWER LINE	— 8" SAS —	— 8" SAS —
ENCASEMENT	— FM —	— FM —
SANITARY SEWER C.O./FLUSHING MANHOLE	— SD — 30"	— SD — 30"
SAS SERVICE CONNECTION	— S —	— S —
STORM DRAIN LINE	— SD — 30"	— SD — 30"
STORM DRAIN MANHOLE	— S —	— S —
STORM DRAIN INLETS	— W — 6"	— W — 6"
WATER LINE	— W — 6"	— W — 6"
GATE VALVE	— G —	— G —
BUTTERFLY VALVE	— B —	— B —
FIRE HYDRANTS	— F —	— F —
REDUCERS	— R —	— R —
3/4" WATER SERVICE/METER	— 3/4" —	— 3/4" —
TEES	— T —	— T —
CROSSES	— C —	— C —
BENDS	— B —	— B —
CAPS & PLUGS	— CAP —	— CAP —
GAS LINES	N/A	N/A
OVERHEAD ELECTRICAL LINE	N/A	N/A
UNDERGROUND ELECTRICAL	N/A	N/A
OVERHEAD TELEPHONE	N/A	N/A
UNDERGROUND TELEPHONE	N/A	N/A
CABLE TELEVISION	N/A	N/A
POWER OR TELEPHONE POLE	N/A	N/A

RESTRAINING LENGTHS

FITTING	LR (FT)
6"x4" TEE	RUN 4', BRANCH 2'
6" TEE	RUN 10', BRANCH 2'
8"x8" TEE	RUN 13' BRANCH 3'
14"x14"x8"x6" CROSS	RUN 10', BRANCH 5'
6"x4" REDUCER	43'
8"x6" REDUCER	25'
6" 11 1/4" BEND	2'
6" 22 1/2" BEND	3'
6"x45" BEND	7'
6" 90° BEND	17'
8" 11 1/4" BEND	2'
8" 22 1/2" BEND	4'
8"x45" BEND	9'
8" 90° BEND	22'
4" CAP	32'
6" CAP	46'
4" GATE VALVE	32'
6" GATE VALVE	46'
8" GATE VALVE	60'

LR = LENGTH TO BE RESTRAINED EACH SIDE OF THE FITTING FOR TEES, ALL THREE LEGS SHALL BE RESTRAINED FOR A DISTANCE OF "LR" FOR REDUCERS, "LR" IS GIVEN FOR THE LARGER DIAMETER SIDE OF THE FITTING AND NO RESTRAINING IS REQUIRED ON THE SMALL SIDE OF THE FITTING. GATE VALVES SHALL BE MECHANICALLY RESTRAINED AND INSTALLED WITH CONCRETE BLOCKING PER COA STD DWG 2333 IN ADDITION TO THE MECHANICALLY RESTRAINED LENGTHS. ALL CAPS SHALL BE INSTALLED WITH CONCRETE BLOCKING PER COA STD DWG 2320. RESTRAIN ALL JOINTS ON FIRE HYDRANTS.

- NOTES:
- RESTRAINED JOINTS, SUCH AS MEGA-LUG EQUIVALENT BRANDS ACCEPTABLE TO THE COA, SHALL BE USED ON ALL TEES, BENDS, CROSSES & CAPS IN LIEU OF CONCRETE THRUST BLOCKING. RESTRAINED JOINTS SHALL BE CONSIDERED INCIDENTAL TO THIS CONTRACT AND NO ADDITIONAL COMPENSATION, MEASUREMENT, OR PAYMENT WILL BE MADE THEREFOR.
 - LR SHALL BE THE LENGTH OF WATER MAIN THAT REQUIRED JOINTS ON EACH SIDE OF THE FITTINGS.
 - ALL FIRE HYDRANTS & FITTINGS ETC. SHALL BE BUILT IN ACCORDANCE WITH COA STD DWG'S 2301 THRU 2380 INCLUSIVE.
 - ALL WATER PIPE SHALL BE PVC C900, CLASS 150, ALL SEWER PIPE (FORCE MAIN) SHALL BE PVC, SDR-21.

DATE: AUG. 1996		SCALE: HORIZ: 1" = 50'		VERT: 1" = 10'	
PROJECT NO. 556681		MAP NO. F-13		SHEET 10 OF 16	
DESIGNER: [Signature]		CITY ENGINEER APPROVAL: [Signature]		LAST DESIGN DATE: [Date]	
DESIGNED BY: T.J.B.		DATE: 7/96		MO./DAY/YR.	
DRAWN BY: G.W.R./D.L.W.		DATE: 10/96		MO./DAY/YR.	
CHECKED BY: [Signature]		DATE: [Date]		MO./DAY/YR.	
REVISIONS: [Table]		REVISIONS: [Table]		REVISIONS: [Table]	
NO. DATE		NO. DATE		NO. DATE	
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2 10/96		2 10/96		2 10/96	
3 10/96		3 10/96		3 10/96	
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147 10/96		147 10/96		147	

C3 CURVE DATA
R = 150.00'
L = 180.76'
Δ = 69°02'40"
T = 103.18'
CH = 170.02'
CB = N 35°03'35" E

C4 CURVE DATA
R = 150.00'
L = 164.68'
Δ = 62°54'16"
T = 91.75'
CH = 156.54'
CB = S 78°53'56" E

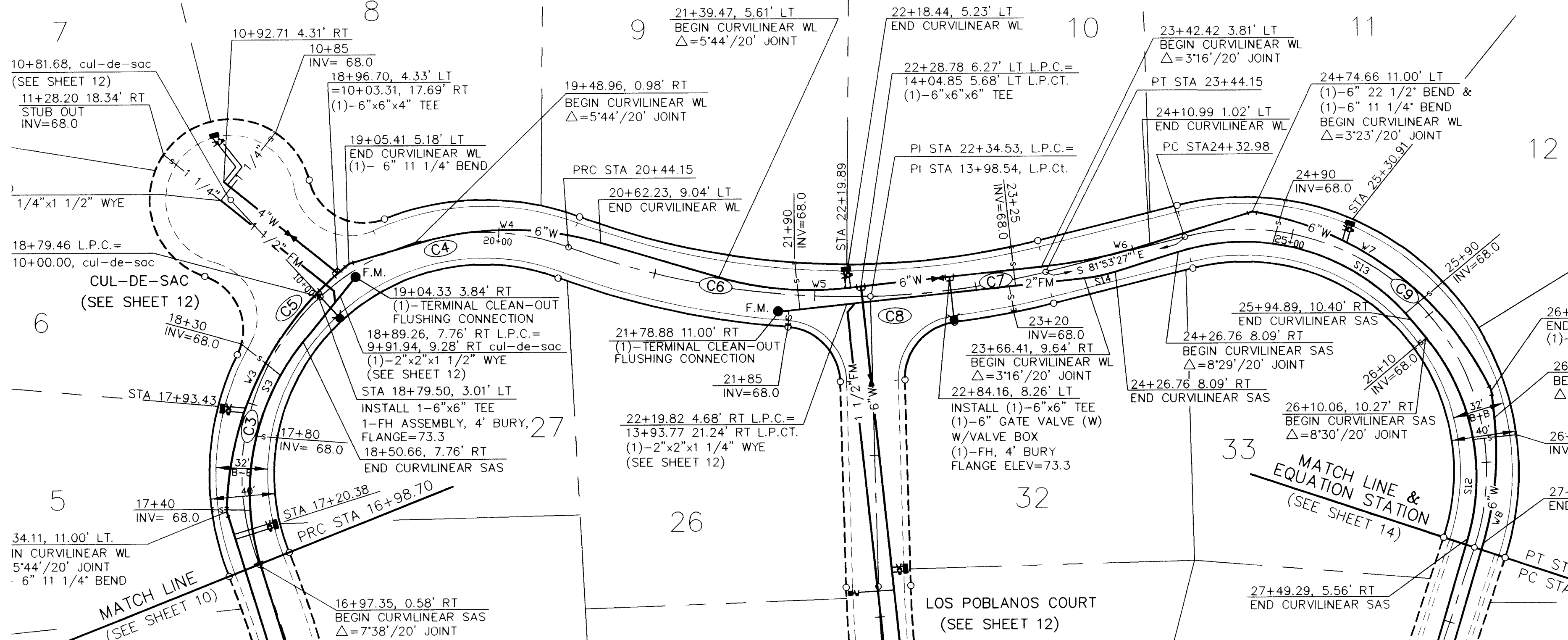
C5 CURVE DATA
R = 150.00'
L = 345.44'
Δ = 131°55'58"
T = 336.51'
CH = 274.01'
CB = N 66°30'43" E

C6 CURVE DATA
R = 500.00'
L = 190.39'
Δ = 21°49'00"
T = 96.36'
CH = 189.24'
CB = S 58°25'18" E

C7 CURVE DATA
R = 500.00'
L = 109.61'
Δ = 12°33'39"
T = 55.03'
CH = 109.39'
CB = S 75°36'37" E

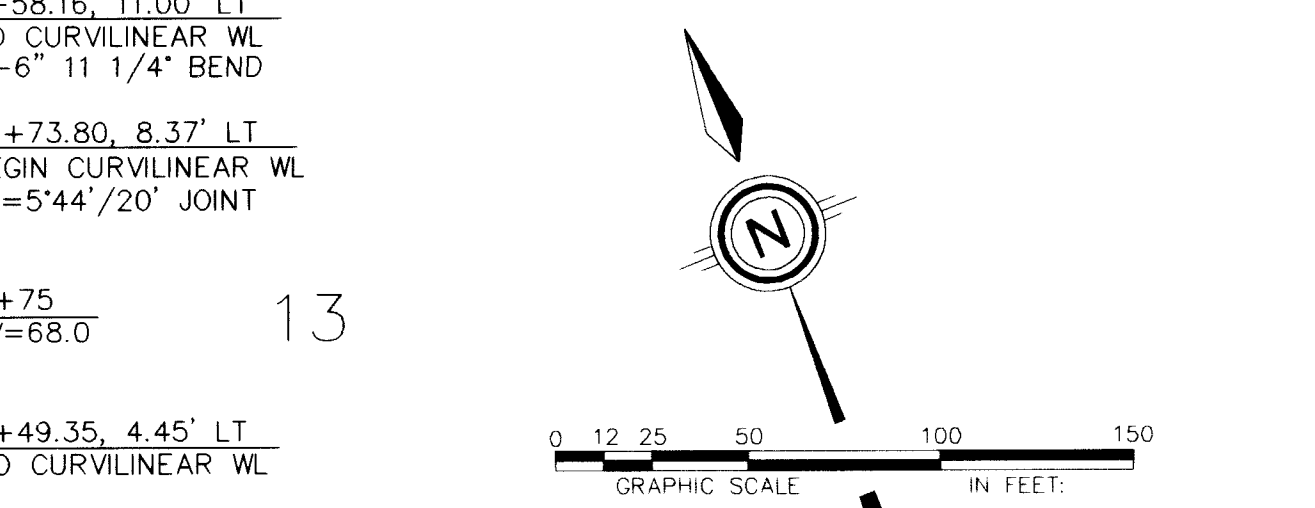
C8 CURVE DATA
R = 500.00'
L = 300.00'
Δ = 34°22'39"
T = 154.67'
CH = 295.52'
CB = S 64°42'07" E

C9 CURVE DATA
R = 150.00'
L = 300.91'
Δ = 122°25'34"
T = 273.00'
CH = 262.93'
CB = S 20°40'40" E

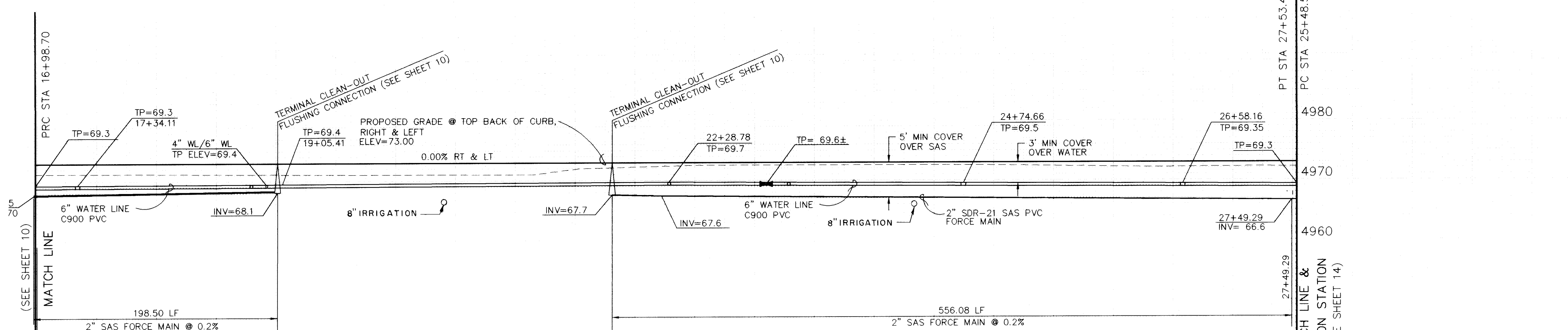


UTILITY CURVE DATA

ID	Radius	Arc	Delta	Chord	Chord Brg
S3	150.00'	147.26'	056°15'00"	141.42'	N32°56'32"E
S12	135.00'	132.54'	056°15'00"	127.28'	S10°26'32"W
S13	135.00'	159.04'	067°30'00"	150.00'	S51°25'58"E
S14	100.00'	19.63'	011°15'00"	19.60'	N79°33'28"W
W3	200.00'	176.64'	050°36'17"	170.96'	N48°25'15"E
W4	200.00'	114.72'	032°51'54"	113.15'	S67°51'55"E
W5	200.00'	78.54'	022°30'00"	78.04'	N62°40'58"W
W6	350.00'	68.72'	011°15'00"	68.61'	N79°33'28"W
W7	200.00'	192.21'	055°03'52"	184.90'	S30°55'32"E
W8	200.00'	78.54'	022°30'00"	78.04'	S27°19'02"W



NOTE: ALL WATER SERVICES TO BE 3/4" COPPER LINES



UTILITY LEGEND

DESCRIPTION	PROPOSED	EXISTING
SANITARY SEWER LINE	8" SAS	8" SAS
ENCASEMENT	FM	FM
SANITARY SEWER C.O./FLUSHING MANHOLE	FM	FM
SAS SERVICE CONNECTION	S	S
STORM DRAIN LINE	SD-30"	SD-30"
STORM DRAIN MANHOLE	SD	SD
STORM DRAIN INLETS	SD	SD
WATER LINE	W-6"	W-6"
GATE VALVE	W	W
BUTTERFLY VALVE	W	W
FIRE HYDRANTS	W	W
REDUCERS	W	W
3/4" WATER SERVICE/METER	W	W
TEES	W	W
CROSSES	W	W
BENDS	W	W
CAPS & PLUGS	W	W
GAS LINES	N/A	N/A
OVERHEAD ELECTRICAL LINE	N/A	N/A
UNDERGROUND ELECTRICAL	N/A	N/A
OVERHEAD TELEPHONE	N/A	N/A
UNDERGROUND TELEPHONE	N/A	N/A
CABLE TELEVISION	N/A	N/A
POWER OR TELEPHONE POLE	N/A	N/A

RESTRAINING LENGTHS

FITTING	LR (FT)
6"x4" TEE	RUN 4', BRANCH 7'
6" TEE	RUN 10', BRANCH 2'
8"x8" TEE	RUN 13' BRANCH 5'
14"x14"x8"x6" CROSS	RUN 10', BRANCH 5'
6"x4" REDUCER	43'
8"x6" REDUCER	25'
6" 11 1/4" BEND	2'
6" 22 1/2" BEND	3'
6"x45" BEND	7'
6" 90° BEND	17'
8" 11 1/4" BEND	2'
8" 22 1/2" BEND	4'
8"x45" BEND	9'
8" 90° BEND	22'
4" CAP	32'
6" CAP	46'
4" GATE VALVE	32'
6" GATE VALVE	46'
8" GATE VALVE	60'

NOTES:

- RESTRAINED JOINTS, SUCH AS MEGA-LUG EQUIVALENT BRANDS ACCEPTABLE TO THE COA, SHALL BE USED ON ALL TEES, BENDS, CROSSES & CAPS IN LIEU OF CONCRETE THRUST BLOCKING. RESTRAINED JOINTS SHALL BE CONSIDERED INCIDENTAL TO THIS CONTRACT AND NO ADDITIONAL COMPENSATION, MEASUREMENT, OR PAYMENT WILL BE MADE THEREFORE.
- LR SHALL BE THE LENGTH OF WATER MAIN THAT REQUIRED JOINTS ON EACH SIDE OF THE FITTINGS.
- ALL FIRE HYDRANTS & FITTINGS ETC. SHALL BE BUILT IN ACCORDANCE WITH COA STD DWG'S 2301 THRU 2380 INCLUSIVE.
- ALL WATER PIPE SHALL BE PVC C900, CLASS 150, ALL SEWER PIPE (FORCE MAIN) SHALL BE PVC, SDR-21.

REVISIONS

NO.	DATE	REMARKS
1	7/96	COMMUNITY SCIENCES

ENGINEER'S SEAL

11/27/96

COMMUNITY SCIENCES CORPORATION

LAND PLANNING ENGINEERING SURVEYING
P.O. Box 1528 Corrales, N.M. 87048505/897-0000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

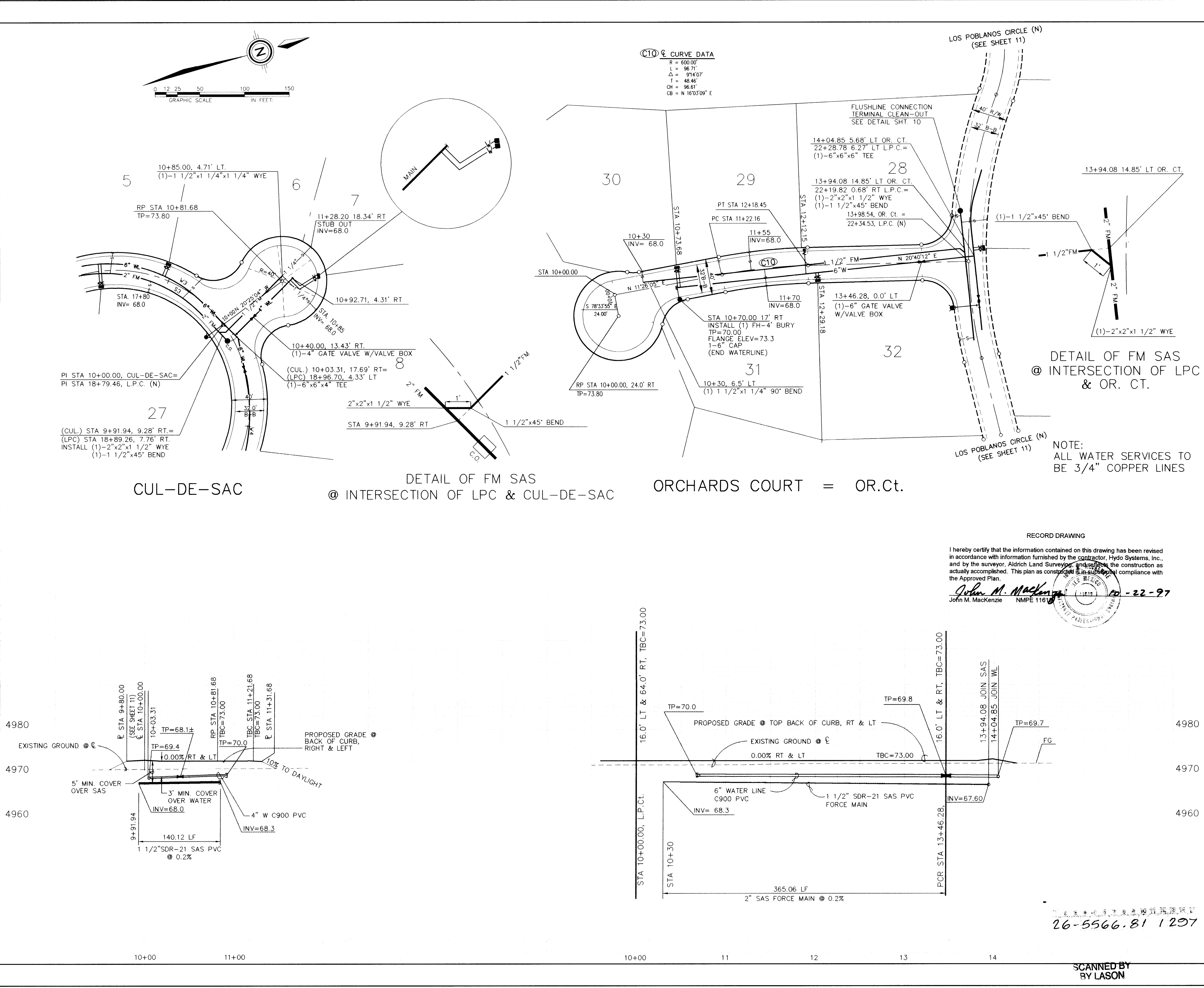
TITLE: LOS POBLANOS ORCHARDS
UTILITY PLAN & PROFILE
LOS POBLANOS CIRCLE (N)

APPROVE

PROJECT NO. 556681

MAP NO. F-13

SHEET 11 OF 16



RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydo Systems, Inc., and by the surveyor, Aldrich Land Surveyors, and that the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

John M. MacKenzie
John M. MacKenzie NMPE 11618

10-22-97

UTILITY LEGEND		
DESCRIPTION	PROPOSED	EXISTING
SANITARY SEWER LINE	8" SAS	8" SAS
ENCASEMENT	FM	FM
SANITARY SEWER C.O./FLUSHING MANHOLE	FM	FM
SAS SERVICE CONNECTION	S	S
STORM DRAIN LINE	SD-30"	SD-30"
STORM DRAIN MANHOLE	SD	SD
STORM DRAIN INLETS	SD	SD
WATER LINE	W-6"	W-6"
GATE VALVE	W	W
BUTTERFLY VALVE	W	W
FIRE HYDRANTS	W	W
REDUCERS	W	W
3/4" WATER SERVICE/METER	W	W
TEES	W	W
CROSSES	W	W
BENDS	W	W
CAPS & PLUGS	W	W
GAS LINES	N/A	N/A
OVERHEAD ELECTRICAL LINE	N/A	N/A
UNDERGROUND ELECTRICAL	N/A	N/A
OVERHEAD TELEPHONE	N/A	N/A
UNDERGROUND TELEPHONE	N/A	N/A
CABLE TELEVISION	N/A	N/A
POWER OR TELEPHONE POLE	N/A	N/A

RESTRAINING LENGTHS	
FITTING	LR (FT)
6"x4" TEE	RUN 4', BRANCH 7'
6" TEE	RUN 10', BRANCH 2'
8"x8" TEE	RUN 13' BRANCH 3'
14"x14"x8"x6" CROSS	RUN 10', BRANCH 5'
6"x4" REDUCER	43'
8"x6" REDUCER	25'
6" 11 1/4" BEND	2'
6" 22 1/2" BEND	3'
6"x45" BEND	7'
6" 90° BEND	17'
8" 11 1/4" BEND	2'
8" 22 1/2" BEND	4'
8"x45" BEND	9'
8" 90° BEND	22'
4" CAP	32'
6" CAP	46'
4" GATE VALVE	32'
6" GATE VALVE	46'
8" GATE VALVE	60'

LR = LENGTH TO BE RESTRAINED EACH SIDE OF THE FITTING. FOR TEES, ALL THREE LEGS SHALL BE RESTRAINED FOR A DISTANCE OF "LR". FOR REDUCERS, "LR" IS GIVEN FOR THE LARGER DIAMETER SIDE OF THE FITTING AND NO RESTRAINING IS REQUIRED ON THE SMALL SIDE OF THE FITTING. GATE VALVES SHALL BE MECHANICALLY RESTRAINED AND INSTALLED WITH CONCRETE BLOCKING PER COA STD DWG 2333 N. ADDITION TO THE MECHANICALLY RESTRAINED LENGTHS, ALL CAPS SHALL BE INSTALLED WITH CONCRETE BLOCKING PER COA STD DWG 2320. RESTRAIN ALL JOINTS ON FIRE HYDRANTS.

NOTES:
1. RESTRAINED JOINTS, SUCH AS MEGA-LUG EQUIVALENT BRANDS ACCEPTABLE TO THE COA, SHALL BE USED ON ALL TEES, BENDS, CROSSES & CAPS IN LIEU OF CONCRETE THRUST BLOCKING. RESTRAINED JOINTS SHALL BE CONSIDERED INCIDENTAL TO THIS CONTRACT AND NO ADDITIONAL COMPENSATION, MEASUREMENT, OR PAYMENT WILL BE MADE THEREFOR.
2. LR SHALL BE THE LENGTH OF WATER MAIN THAT REQUIRED JOINTS ON EACH SIDE OF THE FITTINGS.
3. ALL FIRE HYDRANTS & FITTINGS ETC. SHALL BE BUILT IN ACCORDANCE WITH COA STD DWG'S 2301 THRU 2380 INCLUSIVE.
4. ALL WATER PIPE SHALL BE PVC C900, CLASS 150; ALL SEWER PIPE (FORCE MAIN) SHALL BE PVC, SDR-21.

AS BUILT INFORMATION	
CONTRACTOR	DATE
Hydo Systems	5.97
STATE BY	DATE
ACCEPTANCE BY	DATE
FIELD CHECK BY	DATE
BRANDED BY	DATE
CHECKED BY	DATE
RECORDED BY	DATE

BENCH MARKS	
THE STATION IS AN ACS 3.14" ALUMINUM CAP RIVETED TO AN	DATE
ALUMINUM PIPE PROJECTING 0.25" ABOVE THE GROUND AND IS STAMPED "5-C13.991" <td>7/96</td>	7/96
IT IS LOCATED 23.8 FEET EAST OF THE CENTERLINE OF RIO GRANDE BLVD. N. W. AND 0.34 MILE± FROM THE CENTERLINE OF MONTANO RD. N. W. <td></td>	
ELEV = 4974.52 <td></td>	

SURVEY INFORMATION	
FIELD NOTES	DATE
1 COMMUNITY SCIENCES	7/96
NO.	

ENGINEER'S SEAL	
BY	DATE
John M. MacKenzie	11/27/96

REVISIONS	
NO.	DATE

DESIGN	
DESIGNED BY	DATE
	10/4/96
DRAWN BY	DATE
	10/96
CHECKED BY	DATE

community sciences corporation

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LOS POBLANOS ORCHARDS
UTILITY PLAN & PROFILE
LOS POBLANOS CIR. CUL-DE-SAC & ORCHARDS CT

APPROVED
1287

DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL

LAST DESIGN DATE
MO./DAY/YR.
MO./DAY/YR.

PROJECT NO. 556681
MAP NO. F-13
SHEET 12 OF 16

STA 9+83+ CONTRACTOR TO VERIFY
LOCATION OF EXISTING WATERLINE. REPLACE
EXIST. TEE W/ 14"x14"x6"x8" CROSS

STREET ABBREVIATIONS

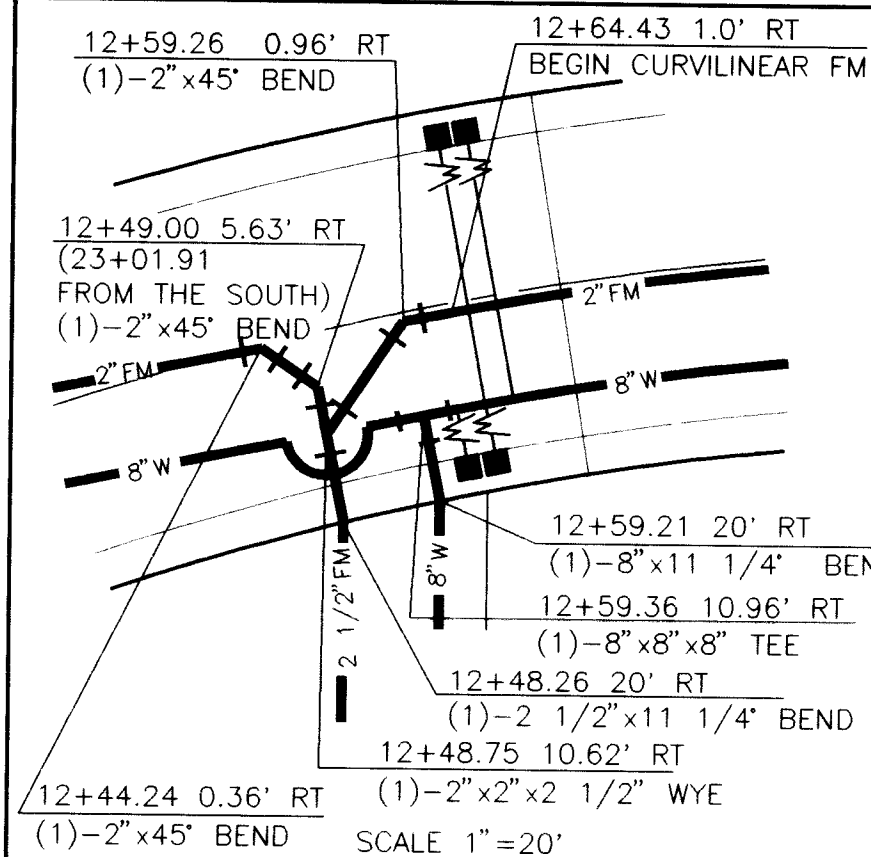
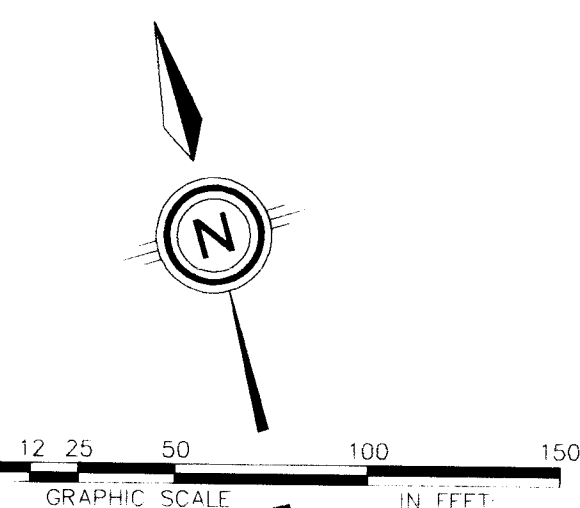
L.P.C.(N) = LOS POBLANOS CIRCLE (NORTH)
L.P.C.(S) = LOS POBLANOS CIRCLE (SOUTH)
L.P.C.(E) = LOS POBLANOS CIRCLE (EAST)
L.P.C.(W) = LOS POBLANOS CIRCLE (WEST)
OR.Ct. = ORCHARDS COURT
R.G.L. = RIO GRANDE LANE

SAS CURVE DATA						
Id	Radius	Arc	Delta	Tangent	Chord	Chord Brg
S4	105.00	185.55	101-15-00	127.94	162.33	N34-33-28W
S5	325.00	127.63	022-30-00	64.65	126.81	S73-55-58E

WATER LINE CURVE DATA						
Id	Radius	Arc	Delta	Tangent	Chord	Chord Brg
W10	310.00	121.74	022-30-00	61.66	120.96	S73-55-58E

C11 CURVE DATA
R = 100.00'
L = 197.40'
Δ = 113°06'08"
T = 151.38'
CH = 166.88'
CB = S 40°29'02" E

C12 CURVE DATA
R = 325.00'
L = 215.49'
Δ = 37°59'22"
T = 111.87'
CH = 211.56'
CB = S 78°29'02" E



UTILITY LEGEND

DESCRIPTION	PROPOSED	EXISTING
SANITARY SEWER LINE	8" SAS	8" SAS
ENCASEMENT	FM	FM
SANITARY SEWER C.O./FLUSHING MANHOLE	FM	FM
SAS SERVICE CONNECTION	S	S
STORM DRAIN LINE	SD-30"	SD-30"
STORM DRAIN MANHOLE	FM	FM
STORM DRAIN INLETS	FM	FM
WATER LINE	W-6"	W-6"
GATE VALVE	FM	FM
BUTTERFLY VALVE	FM	FM
FIRE HYDRANTS	FM	FM
REDUCERS	FM	FM
3/4" WATER SERVICE/METER	FM	FM
TEES	FM	FM
CROSSES	FM	FM
BENDS	FM	FM
CAPS & PLUGS	FM	FM
GAS LINES	N/A	N/A
OVERHEAD ELECTRICAL LINE	N/A	N/A
UNDERGROUND ELECTRICAL	N/A	N/A
OVERHEAD TELEPHONE	N/A	N/A
UNDERGROUND TELEPHONE	N/A	N/A
CABLE TELEVISION	N/A	N/A
POWER OR TELEPHONE POLE	N/A	N/A

RESTRAINING LENGTHS

FITTING	LR (FT)
6"x4" TEE	RUN 4', BRANCH 7'
6" TEE	RUN 10', BRANCH 2'
8"x8" TEE	RUN 13' BRANCH 5'
14"x14"x8"x6" CROSS	RUN 10', BRANCH 5'
6"x4" REDUCER	43'
8"x6" REDUCER	25'
6" 11 1/4" BEND	2'
6" 22 1/2" BEND	3'
6"x45" BEND	7'
6" 90° BEND	17'
8" 11 1/4" BEND	2'
8" 22 1/2" BEND	4'
8"x45" BEND	9'
8" 90° BEND	22'
4" CAP	32'
6" CAP	46'
4" GATE VALVE	32'
6" GATE VALVE	46'
8" GATE VALVE	60'

LR = LENGTH TO BE RESTRAINED EACH SIDE OF THE FITTING. FOR TEES, ALL THREE LEGS SHALL BE RESTRAINED FOR A DISTANCE OF "LR" FOR REDUCERS, "LR" IS GIVEN FOR THE LARGER DIAMETER SIDE OF THE FITTING AND NO RESTRAINING IS REQUIRED ON THE SMALL SIDE OF THE FITTING. GATE VALVES SHALL BE MECHANICALLY RESTRAINED AND INSTALLED WITH CONCRETE BLOCKING PER COA STD DWG 2333 IN ADDITION TO THE MECHANICALLY RESTRAINED LENGTHS. ALL CAPS SHALL BE INSTALLED WITH CONCRETE BLOCKING PER COA STD DWG 2320. RESTRAIN ALL JOINTS ON FIRE HYDRANTS.

- NOTES:
- RESTRAINED JOINTS, SUCH AS MEGA-LUG EQUIVALENT BRANDS ACCEPTABLE TO THE COA, SHALL BE USED ON ALL TEES, BENDS, CROSSES & CAPS IN LIEU OF CONCRETE BLOCKING. RESTRAINED JOINTS SHALL BE CONSIDERED INCIDENTAL TO THIS CONTRACT AND NO ADDITIONAL COMPENSATION, MEASUREMENT, OR PAYMENT WILL BE MADE THEREFOR.
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 - ALL WATER PIPE SHALL BE PVC C900, CLASS 150, ALL SEWER PIPE (FORCE MAIN) SHALL BE PVC, SDR-21

DATE: AUGUST, 1996
SCALE:
HORIZ: 1" = 50'
VERT: 1" = 10'

community sciences corporation

LAND PLANNING ENGINEERING SURVEYING
P.O. Box 1328 Corrales, N.M. 870485051897-0000

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LOS POBLANOS ORCHARDS
UTILITY PLAN & PROFILE
LOS POBLANOS CIR. (S) & RIO GRANDE LN.

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
DATE	DATE	DATE	DATE

DESIGN COMMITTEE
PROJECT NO. 556681

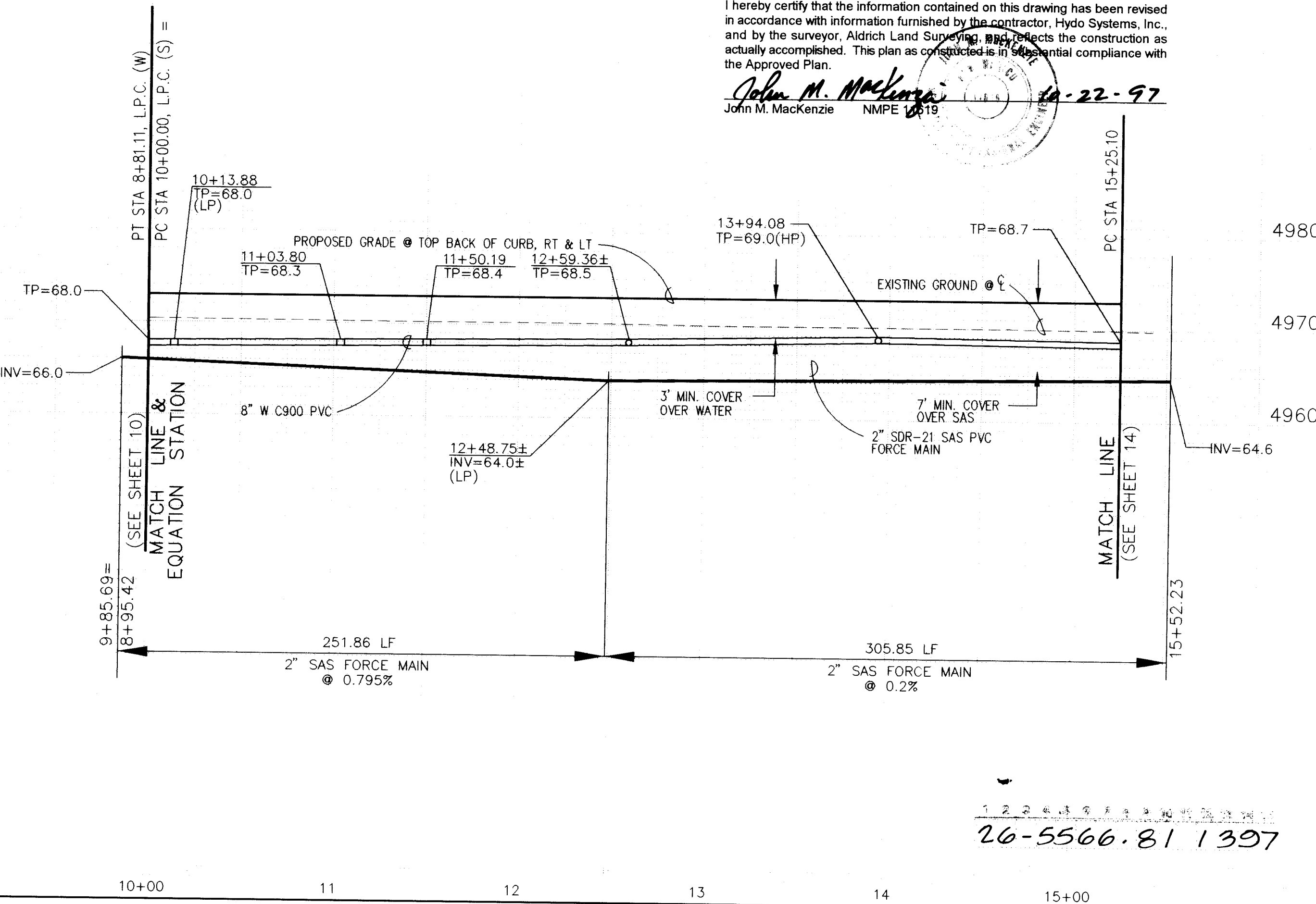
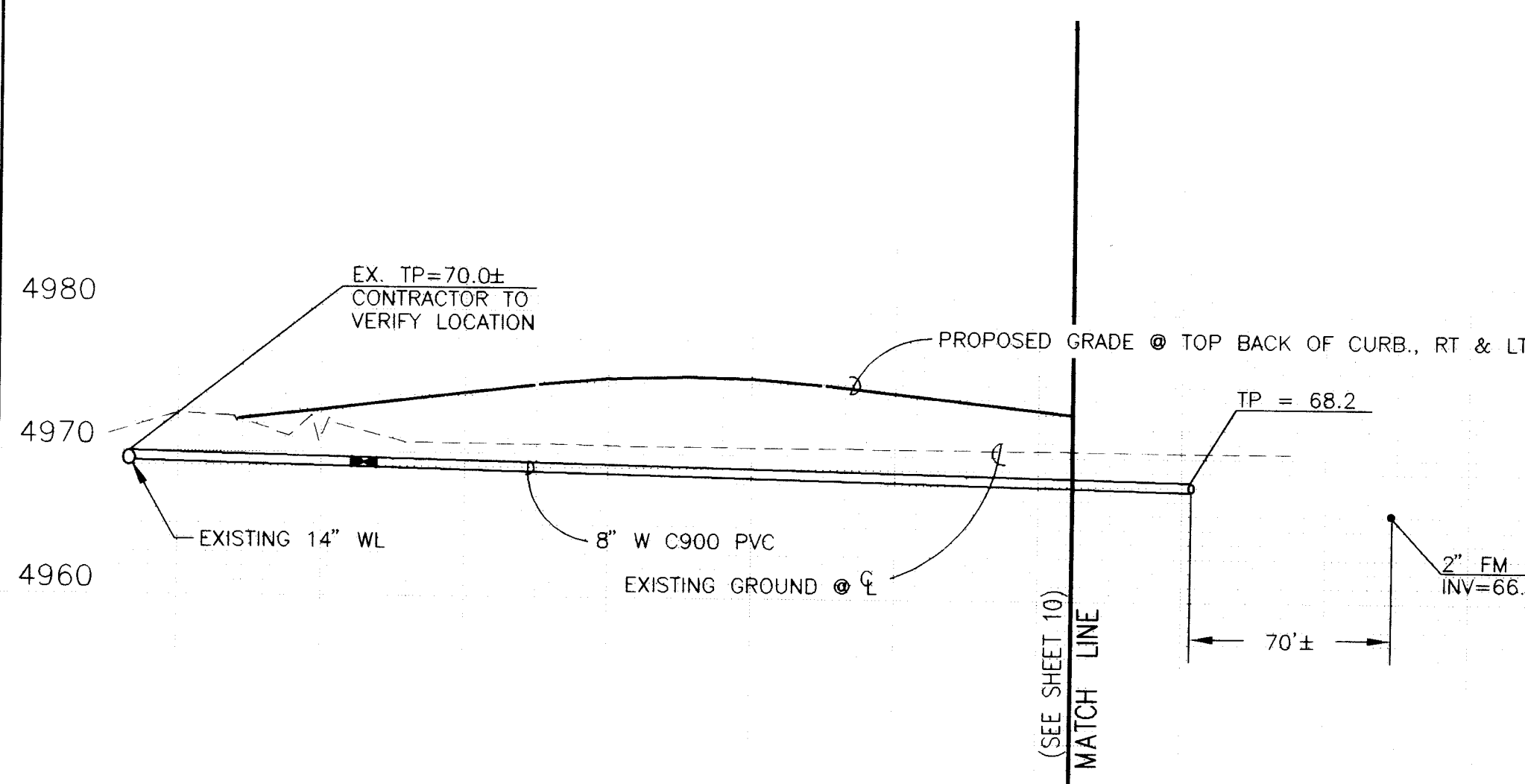
MAP NO. F-13

SHEET 13 OF 16

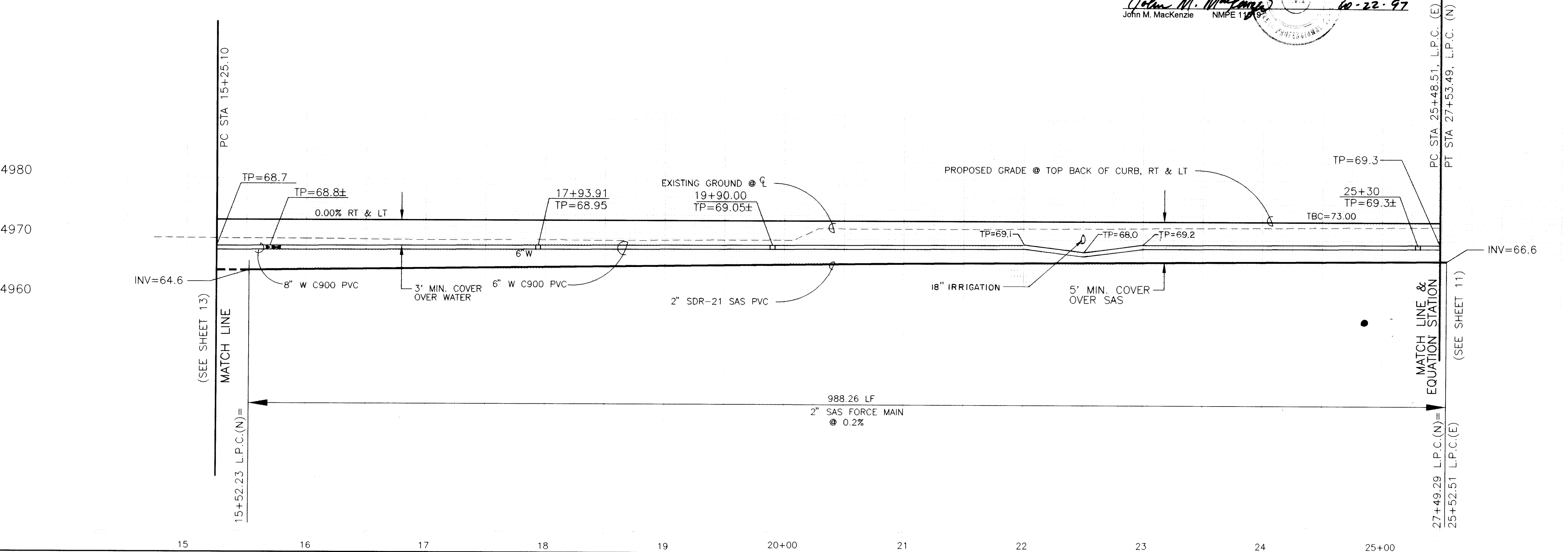
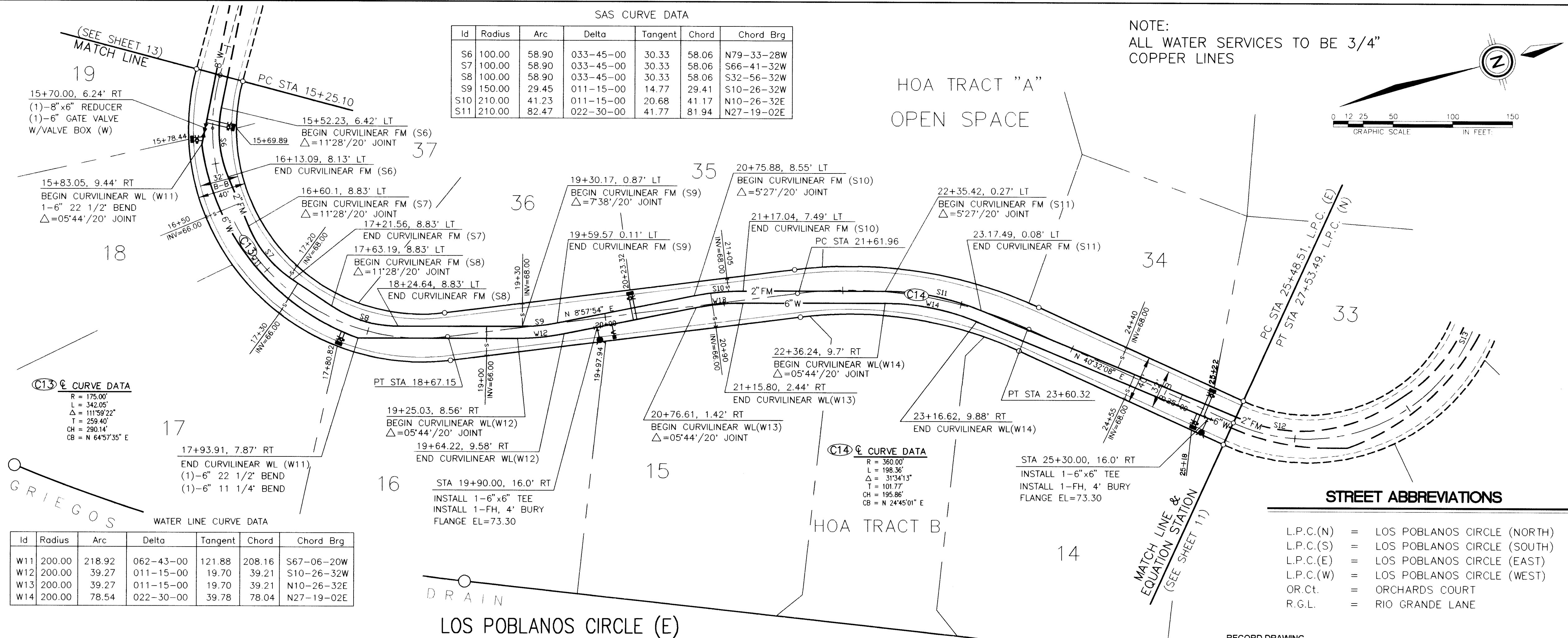
I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro Systems, Inc., and by the surveyor, Aldrich Land Surveying, Inc., reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

John M. MacKenzie
John M. MacKenzie NMPE 1815

RECORD DRAWING



26-5566.81 1397



I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro Systems, Inc., and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

John M. MacKenzie
John M. MacKenzie NMPE 11109 60-22-97

UTILITY LEGEND

DESCRIPTION	PROPOSED	EXISTING
SANITARY SEWER LINE	8" SAS	8" SAS
ENCASEMENT		
SANITARY SEWER C.O. / FLUSHING MANHOLE		
SAS SERVICE CONNECTION	S	S
STORM DRAIN LINE	SD-30"	SD-30"
STORM DRAIN MANHOLE		
STORM DRAIN INLETS		
WATER LINE	W-6"	W-6"
GATE VALVE		
BUTTERFLY VALVE		
FIRE HYDRANTS		
REDUCERS		
3/4" WATER SERVICE/METER		
TEES		
CROSSES		
BENDS		
CAPS & PLUGS		
GAS LINES	N/A	2" H.P.
OVERHEAD ELECTRICAL LINE	N/A	
UNDERGROUND ELECTRICAL	N/A	
OVERHEAD TELEPHONE	N/A	
UNDERGROUND TELEPHONE	N/A	
CABLE TELEVISION	N/A	
POWER OR TELEPHONE POLE	N/A	

RESTRAINING LENGTHS

FITTING	LR (FT)
6"x4" TEE	RUN 4', BRANCH 2'
6" TEE	RUN 10', BRANCH 2'
8"x8" TEE	RUN 13' BRANCH 3'
14"x14"x8"x6" CROSS	RUN 10', BRANCH 3'
6"x4" REDUCER	4'
8"x6" REDUCER	2'
6" 11 1/4" BEND	2'
6" 22 1/2" BEND	3'
6"x45" BEND	7'
6" 90° BEND	17'
8" 11 1/4" BEND	2'
8" 22 1/2" BEND	4'
8"x45" BEND	9'
8" 90° BEND	22'
4" CAP	32'
6" CAP	46'
4" GATE VALVE	32'
6" GATE VALVE	46'
8" GATE VALVE	60'

NOTES:

- RESTRAINED JOINTS, SUCH AS MEGA-LUG EQUIVALENT BRANDS ACCEPTABLE TO THE COA, SHALL BE USED ON ALL TEES, BENDS, CROSSES & CAPS IN LIEU OF CONCRETE THRUST BLOCKING. RESTRAINED JOINTS SHALL BE CONSIDERED INCIDENTAL TO THIS CONTRACT AND NO ADDITIONAL COMPENSATION, MEASUREMENT, OR PAYMENT WILL BE MADE THEREFOR.
- LR SHALL BE THE LENGTH OF WATER MAIN THAT REQUIRED JOINTS ON EACH SIDE OF THE FITTINGS.
- ALL FIRE HYDRANTS & FITTINGS ETC. SHALL BE BUILT IN ACCORDANCE WITH COA STD DWG'S 2301 THRU 2380 INCLUSIVE.
- ALL WATER PIPE SHALL BE PVC C900, CLASS 150; ALL SEWER PIPE (FORCE MAIN) SHALL BE PVC, SDR-21.

COMMUNITY SCIENCES CORPORATION

DATE: AUGUST, 1996
SCALE: HORIZ: 1"= 50'
VERT: 1"= 10'

DESIGNED BY: TJB
DRAWN BY: DFK
CHECKED BY:

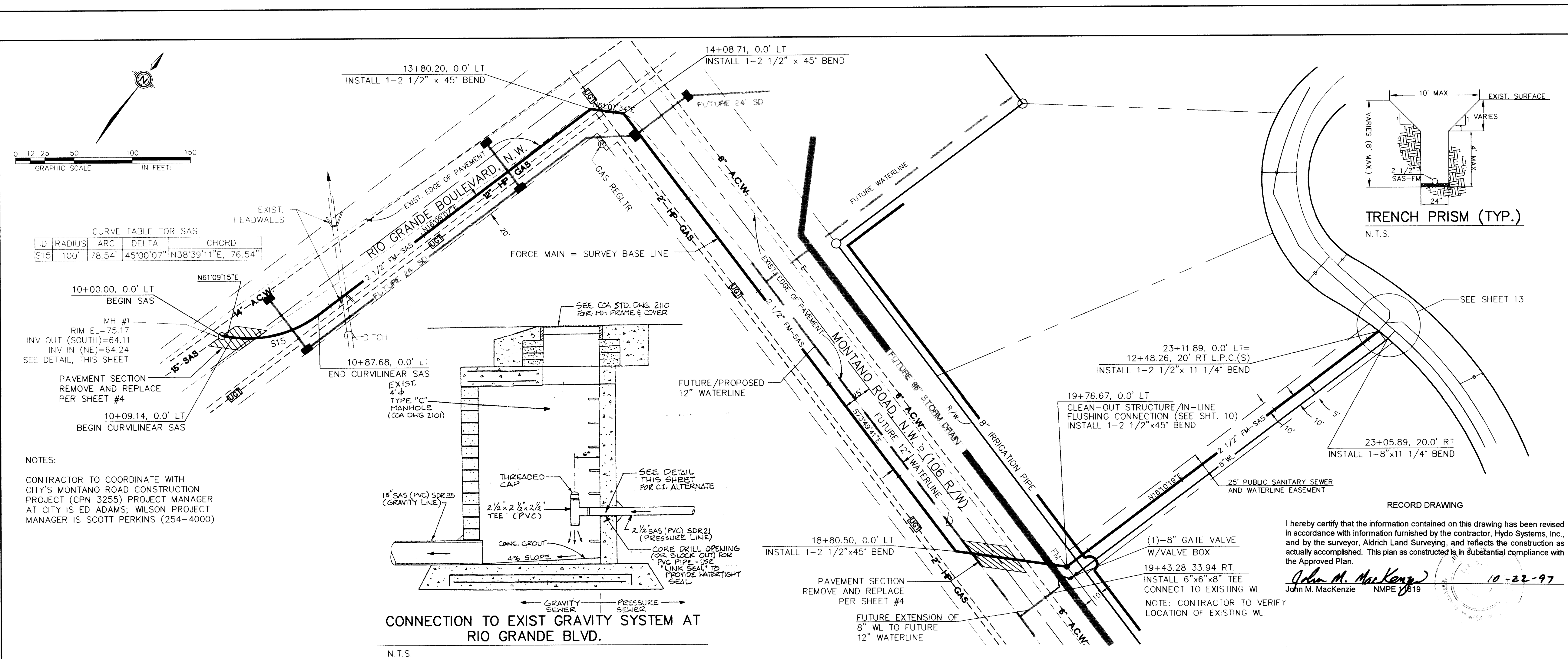
PROJECT NO. 556681
MAP NO. F-13
SHEET 14 OF 16

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

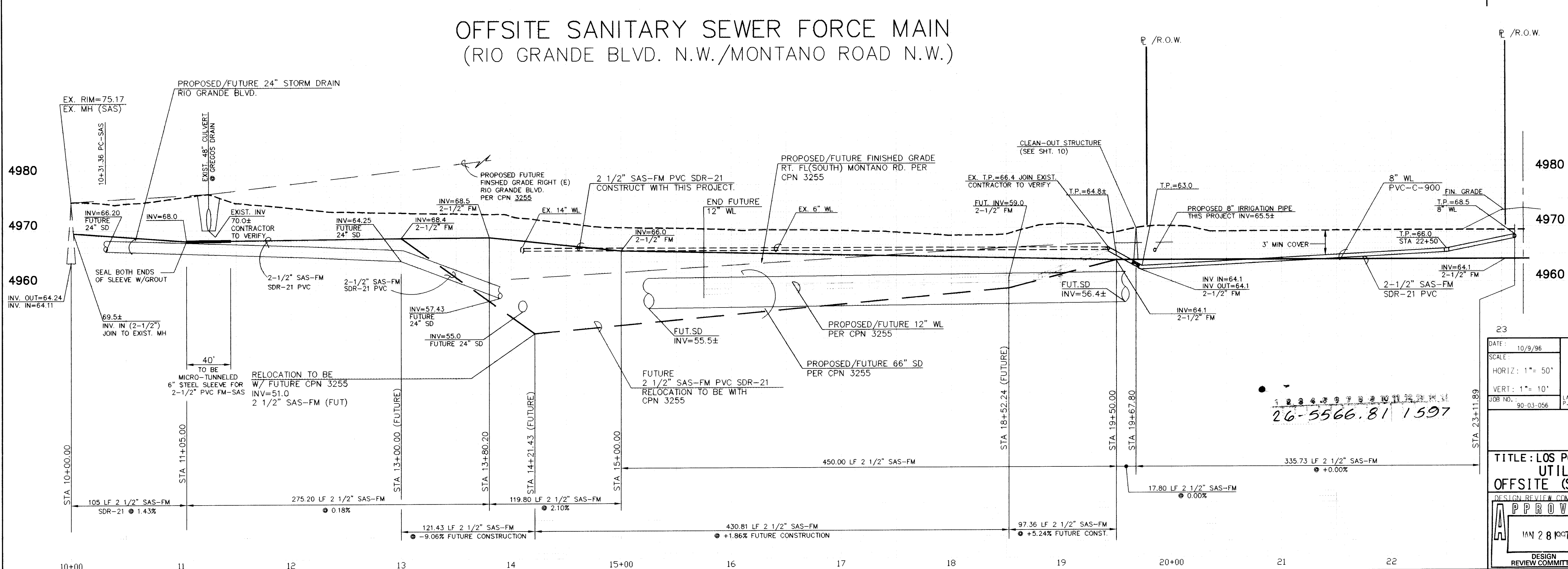
TITLE: LOS POBLANOS ORCHARDS
UTILITY PLAN & PROFILE
LOS POBLANOS CIRCLE (E)

APPROVED
DATE 28-10-97
DESIGN REVIEW COMMITTEE

LAST DESIGN DATE
MO./DAY/YR.
MO./DAY/YR.



OFFSITE SANITARY SEWER FORCE MAIN
(RIO GRANDE BLVD. N.W./MONTANO ROAD N.W.)



UTILITY LEGEND		
DESCRIPTION	PROPOSED	EXISTING
SANITARY SEWER LINE	8" SAS	8" SAS
ENCASEMENT	FO	FO
SANITARY SEWER C.O./FLUSHING CONNECTION	S	S
SAS SERVICE CONNECTION	S	S
STORM DRAIN LINE	SD-30"	SD-30"
STORM DRAIN MANHOLE	SD	SD
STORM DRAIN INLETS	SD	SD
WATER LINE	W-6"	W-6"
GATE VALVE	GV	GV
BUTTERFLY VALVE	BV	BV
FIRE HYDRANTS	FD	FD
REDUCERS	R	R
3/4" WATER SERVICE/METER	WS	WS
TEES	T	T
CROSSES	C	C
BENDS	B	B
CAPS & PLUGS	CP	CP
GAS LINES	N/A	N/A
OVERHEAD ELECTRICAL LINE	N/A	N/A
UNDERGROUND ELECTRICAL	N/A	N/A
OVERHEAD TELEPHONE	N/A	N/A
UNDERGROUND TELEPHONE	N/A	N/A
CABLE TELEVISION	N/A	N/A
POWER OR TELEPHONE POLE	N/A	N/A

AS BUILT INFORMATION	
CONTRACTOR	DATE
Hydro Systems	5-97

BENCH MARKS	
MARK	DATE
ALB	5-97
MGA	9-97
MGA	9-97
MGA	10-97

SURVEY INFORMATION	
NO.	DATE
1	10/7/96

FIELD NOTES	
NO.	DATE
1	10/7/96

ENGINEER'S SEAL	
BY	DATE
John M. MacKenzie	11/27/96

REMARKS	
NO.	DATE
1	11/27/96

DESIGN	
NO.	DATE
1	11/27/96

CITY OF ALBUQUERQUE	
DESIGNED BY	DATE
SPS	1

CITY OF ALBUQUERQUE	
DRAWN BY	DATE
SPS/DLW	2

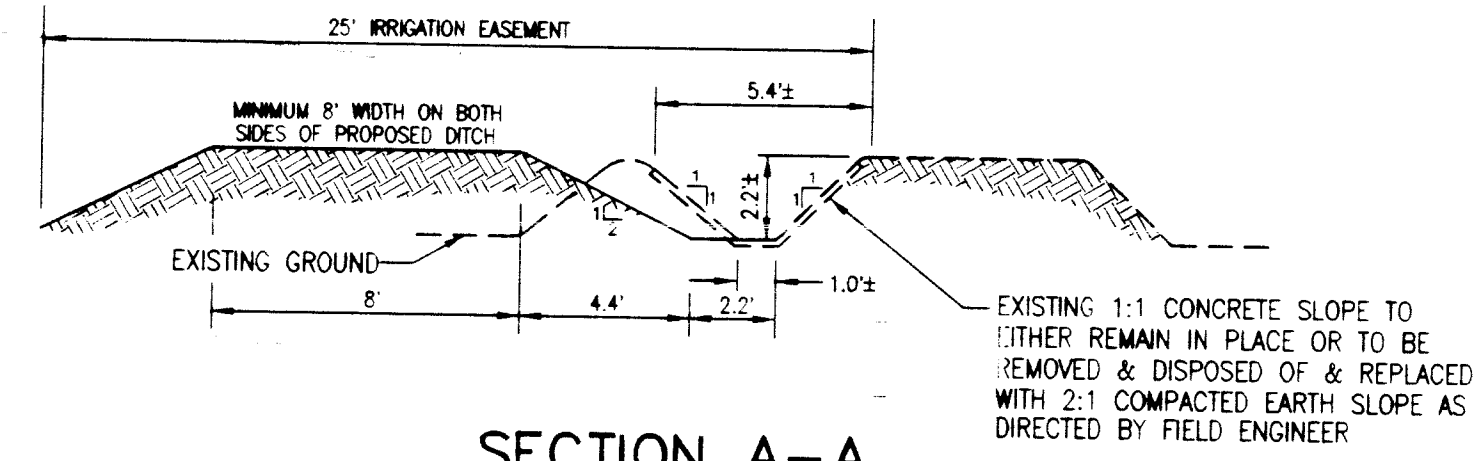
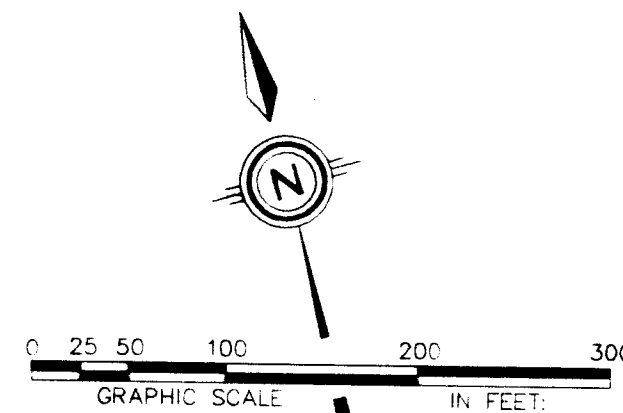
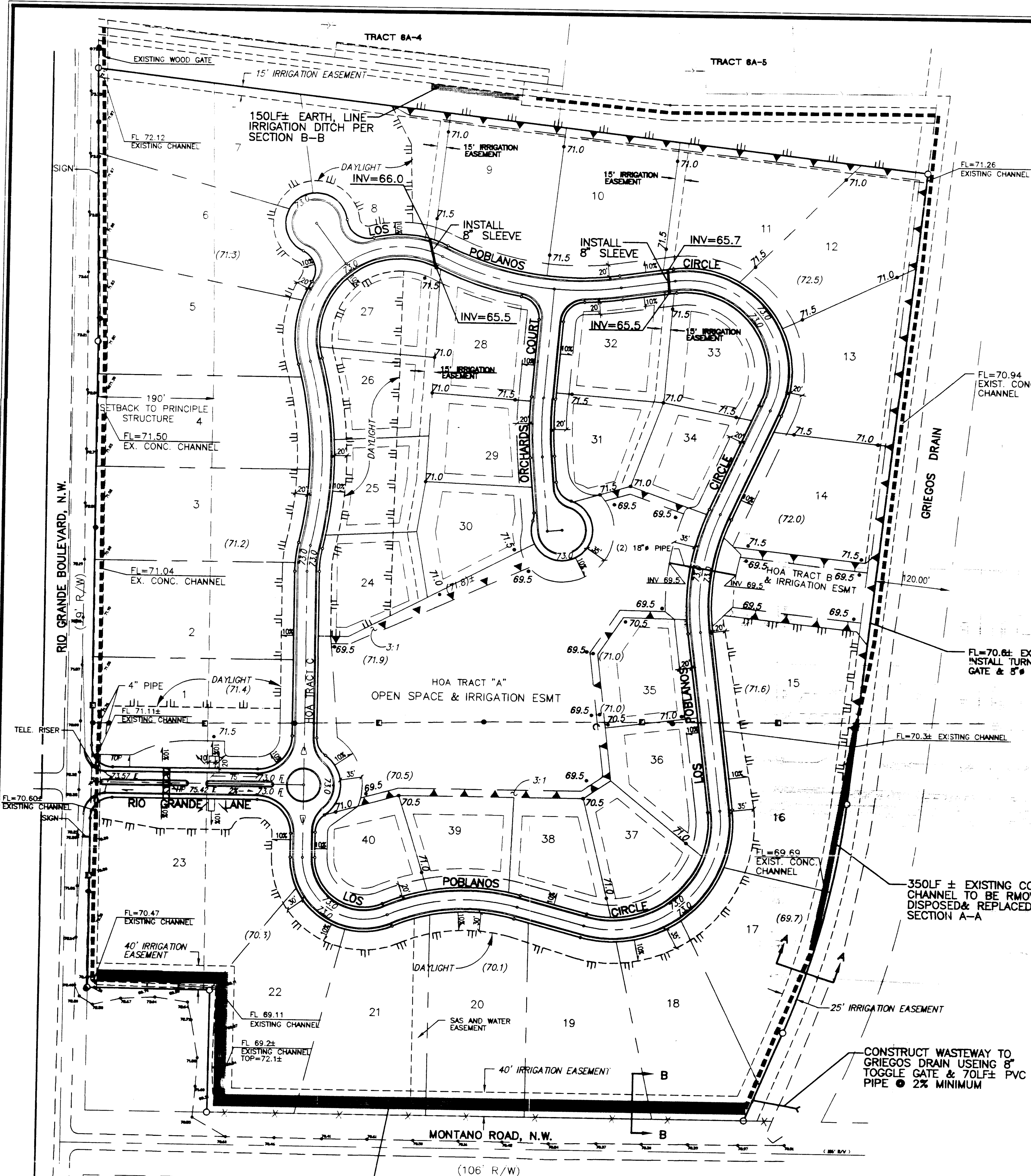
CITY OF ALBUQUERQUE	
CHECKED BY	DATE
SPS	1

CITY OF ALBUQUERQUE	
DATE	SCALE
10/9/96	1" = 50'

CITY OF ALBUQUERQUE	
VERT: 1" = 10'	SCALE
10/9/96	1" = 50'

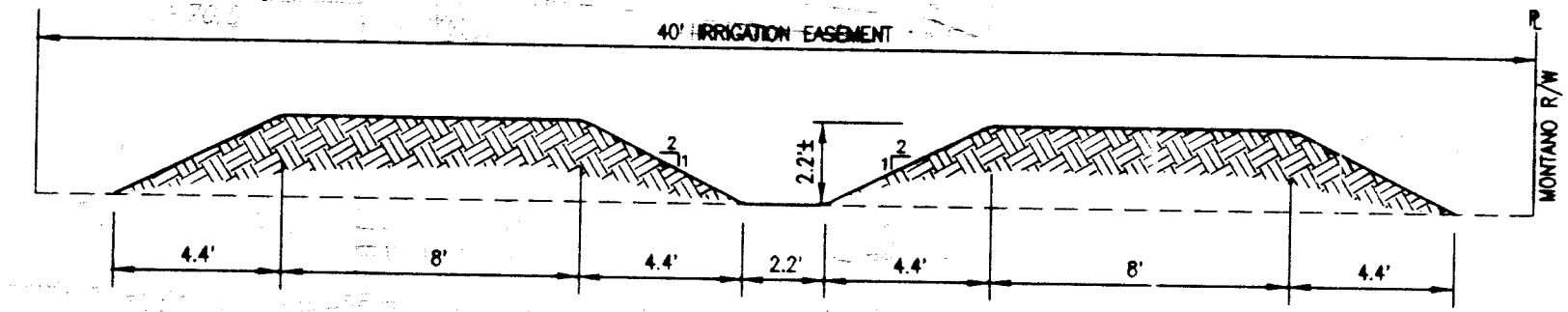
CITY OF ALBUQUERQUE	
PROJECT NO.	MAP NO.
556681	F-13

CITY OF ALBUQUERQUE	
SHEET	OF
15	16



SECTION A-A
N.T.S.

EXISTING CAPACITY $\approx (1.49 / 0.013) \times A \times R^{487} \times S^{545} = 807 \times 5^{45}$
 WHERE $A = [(5.4 + 1.0) / 2] \times 2.2 = 7.04sf$
 $P \approx 7'$
 $R = 7.04sf / 7' = 1.0' \pm$
 ASSUMING THAT THE PROPOSED DITCH HAS THE SAME SLOPE & DEPTH AS THE EXISTING, & THAT THE NEW DITCH HAS A COMPOSITE "N" VALUE OF 0.03; THE CAPACITY OF THE PROPOSED DITCH IS:
 PROPOSED CAPACITY $\approx (1.49 / 0.030) \times A \times R^{487} \times S^{545} = 807 \times 5^{45}$
 WHERE THE DITCH SIDE SLOPES WILL BE 2:1
 $A = [(8.8 + 2B) / 2] \times 2.2 = 9.68 + 2.2B$
 $P \approx 9.8 + B$
 $B = \text{BOTTOM WIDTH OF NEW DITCH}$
 $R = (9.68 + 2.2B) / (9.8 + B)$
 SOLVING FOR B USING TRIAL & ERROR
 $16.25 = (9.68 + 2.2B) / (9.8 + B)$
 $B = 2.2' \pm$



SECTION B-B
N.T.S.

26-5566.81 1697

LEGEND			
• TC=98.43	PROPOSED TOP OF CURB ELEVATION	□	UNDERGROUND ELECTRIC, TELEPHONE & CABLE TV
• 99.0	PROPOSED SPOT ELEVATION	□	WATER BLOCK
• 09.0	EXISTING SPOT ELEVATION (GRND & TC)	□	PROPOSED SLOPE
---	DAYLIGHT LINE	□	OVERHEAD UTILITY
•	POWER POLE	□	TWO WAY CLEANOUT
•	2" DRAIN & DRYWELL	---	EXISTING CONCRETE DITCH TO BE CLEANED & REPAIRED AS DIRECTED BY FIELD ENGINEER
---	EXISTING CONCRETE DITCH TO BE CLEANED & REPAIRED AS DIRECTED BY FIELD ENGINEER	---	PROPOSED EARTH DITCH PER SECTION A-A
---		---	PROPOSED EARTH DITCH PER SECTION B-B

FOR INFORMATION ONLY

THIS SHEET IS NOT A PART OF THE CITY OF ALBUQUERQUE WORK ORDER, AND IT IS SUBJECT TO CHANGE PER VILLAGE OF LOS RANCHOS REQUIREMENTS.

Los Poblanos Orchards		SHEET	
IRRIGATION SYSTEM		16	
DATE: JULY, 1996		community sciences corporation	
SCALE: 1"=100'		LAND PLANNING	
DESIGNED: EGL/TJB		P.O. Box 1328	
DRAWN: SEM/GMR/DLW		ENGINEERING	
JOB NO.: 90-03-062		SURVEYING	
		Corrales, ALM. 87966	