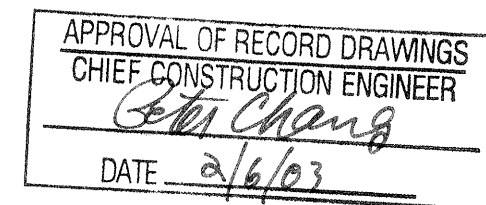


F:\A010DES\A1010DES\PLANS\A1010101\title.dwg Sat Nov 10 11:12:42 2001 PLOTTED BY MIKE

SCANNED BY
MESA REPRO

CONSTRUCTION PLANS FOR *DESERT SAGE SUBDIVISION* ALBUQUERQUE, NEW MEXICO

INDEX TO DRAWINGS	
SHEET NO.	SHEET
1	TITLE SHEET
2-3	PLAT
4	GRADING AND DRAINAGE PLAN
5	MASTER PAVING PLAN
6-10	PAVING IMPROVEMENTS
11	MASTER UTILITY PLAN
12-17	UTILITY IMPROVEMENTS
18-19	TRAFFIC CONTROL PLAN



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 67041 81 03

A1010DES/A1010TITLE/11-10-01/ RDQ



VICINITY MAP ZONE ATLAS: M-10-Z

GENERAL NOTES

NOTICE TO CONTRACTORS

- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #6.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION COORDINATION ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- ALL WORK AFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS WAS EXISTING, OR AS INDICATED BY THIS PLAN SET.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT TO COVER THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAVE BEEN RECORDED.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE WATER SYSTEMS DIVISION (857-8200) FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION THREE (3) WORKING DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.
- FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☒ SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSIONED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

DRB 1000667

CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P. O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
		DRC CHAIRMAN	<i>[Signature]</i>	12-24-01	APPROVED FOR CONSTRUCTION <i>[Signature]</i> 12/27/01 CITY ENGINEER DATE		
		TRANSPORTATION	<i>[Signature]</i>	11/30/01			
		WATER/WASTEWATER	<i>[Signature]</i>	11/30/01			
		HYDROLOGY	<i>[Signature]</i>	12/13/01			
		CIP					
		CONSTR. MNGMT.					
		CONSTR. COORD.	<i>[Signature]</i>	12-24-01			
		CITY PROJECT NO.	670481		SHEET OF 1 19		

PRELIMINARY PLAT OF
DESERT SAGE
SUBDIVISION

SCANNED BY
MESA REPRO

TOWN OF ATRISCO GRANT
PROJECTED SECTION 34 TOWNSHIP 10 NORTH, RANGE 2 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
MAY, 2001

SUBDIVISION DATA

GROSS ACREAGE	12.3104
ZONE/ATLAS NO.	M-10-Z
NO. OF EXISTING PARCELS	2
NO. OF TRACTS/LOTS CREATED	2 TRACTS/8 LOTS
NO. OF PARCELS ELIMINATED	2
AREA DEDICATED TO CITY OF ALBUQUERQUE	3.0444 AC
DATE OF SURVEY	APRIL 1997

OWNERS

The Harold B. Albert, Carole M. Albert,
Ed L. Romero & Tania Romero
Partnership
2002 Quail Ridge Drive NE
ALBUQUERQUE, N.M. 87122
(505) 856-6819

ENGINEERS

D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
11111 RICHMOND AVE. N.E.
ALBUQUERQUE, NEW MEXICO 87119
(505) 828-2200

SURVEYOR

ALDRICH LAND SURVEY
P.O. BOX 30701
ALBUQUERQUE, N.M. 87190-0701
(505) 884-1990

OWNER:

Harold B. Albert
General Partner
DATE

APPROVED FOR MONUMENTATION AND STREET NAMES

City Surveyor, City of Albuquerque, N.M. Date 5-22-01

PURPOSE OF PLAT

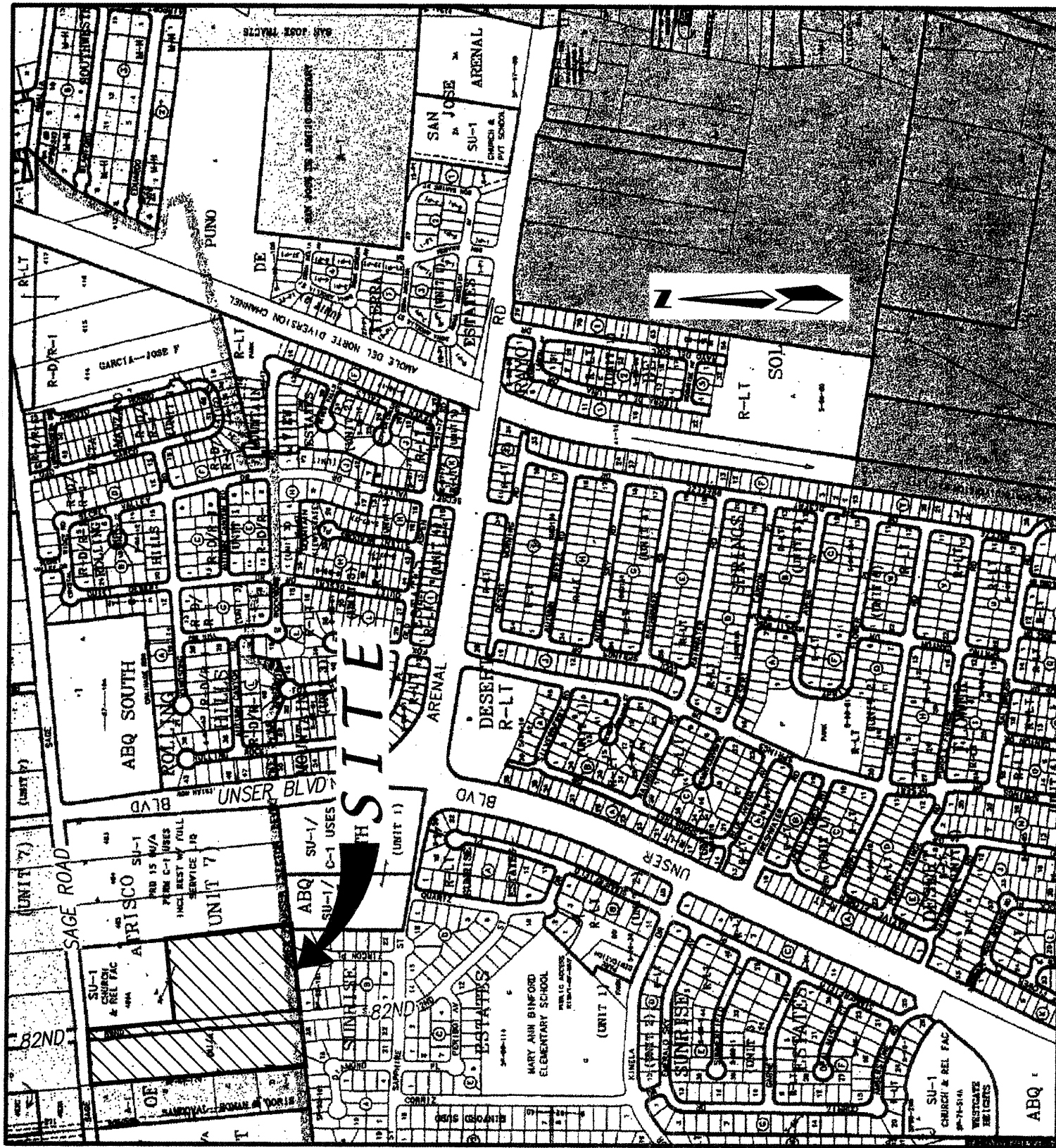
- SUBDIVIDE TWO TRACTS INTO 85 RESIDENTIAL LOTS
- DEDICATED RIGHT-OF-WAY AS SHOWN
- GRANT NEW EASEMENTS AS SHOWN
- VACATE RIGHT-OF-WAY AS SHOWN

LEGAL DESCRIPTION

A tract of land situate within the Town of Atrisco Grant, projected Section 34, Township 10 North, Range 2 East, New Mexico Principal Meridian, City of Albuquerque, Bernalillo County, New Mexico being all of TRACT 487-A, TOWN OF ATRISCO GRANT, UNIT 7 filed in the office of the Bernalillo County Clerk on January 29, 1996 in Volume 98C, Folio 46, and all of TRACT 488, TOWN OF ATRISCO GRANT, UNIT 7 filed in the office of the Bernalillo County Clerk on December 31, 1994 in Volume D, Folio 118 together with a portion of 82nd Street Right-Of-Way and containing 12.3104 acre more or less.

NOTES

- UNLESS OTHERWISE NOTED ALL POINTS ARE "SET 5/8" REBAR WITH CAP "ALS LS 7719".
- ALL STREET CENTERLINE MONUMENTATION SHALL BE INSTALLED AT ALL CENTERLINE PC'S, PT'S, ANGLE POINTS, AND STREET INTERSECTIONS AND SHOWN THIS ▲, WILL BE MARKED BY A FOUR INCH (4") ALUMINUM CAP STAMPED: "CITY OF ALBUQUERQUE CENTERLINE MONUMENTATION" "DO NOT DISTURB" "PLS # 7719".
- BOUNDARY SHALL BE TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM AS SHOWN.
- BASIS OF BEARING SHALL BE NEW MEXICO STATE PLANE GRID BEARINGS.
- ALL DISTANCES SHALL BE GROUND DISTANCES.
- MANHOLES WILL BE OFFSET AT ALL POINTS OF CURVATURE. POINTS OF TANGENCY, STREET INTERSECTIONS, AND ALL OTHER ANGLE POINTS TO ALLOW USE OF CENTERLINE MONUMENTATION.
- A 10' PRIVATE DRAINAGE EASEMENT IS CENTERED ON ALL COMMON SIDE LOT LINES AND ON REAR LOT LINES WHERE THEY ABUT THE SIDE YARD OF THE ADJACENT LOT.

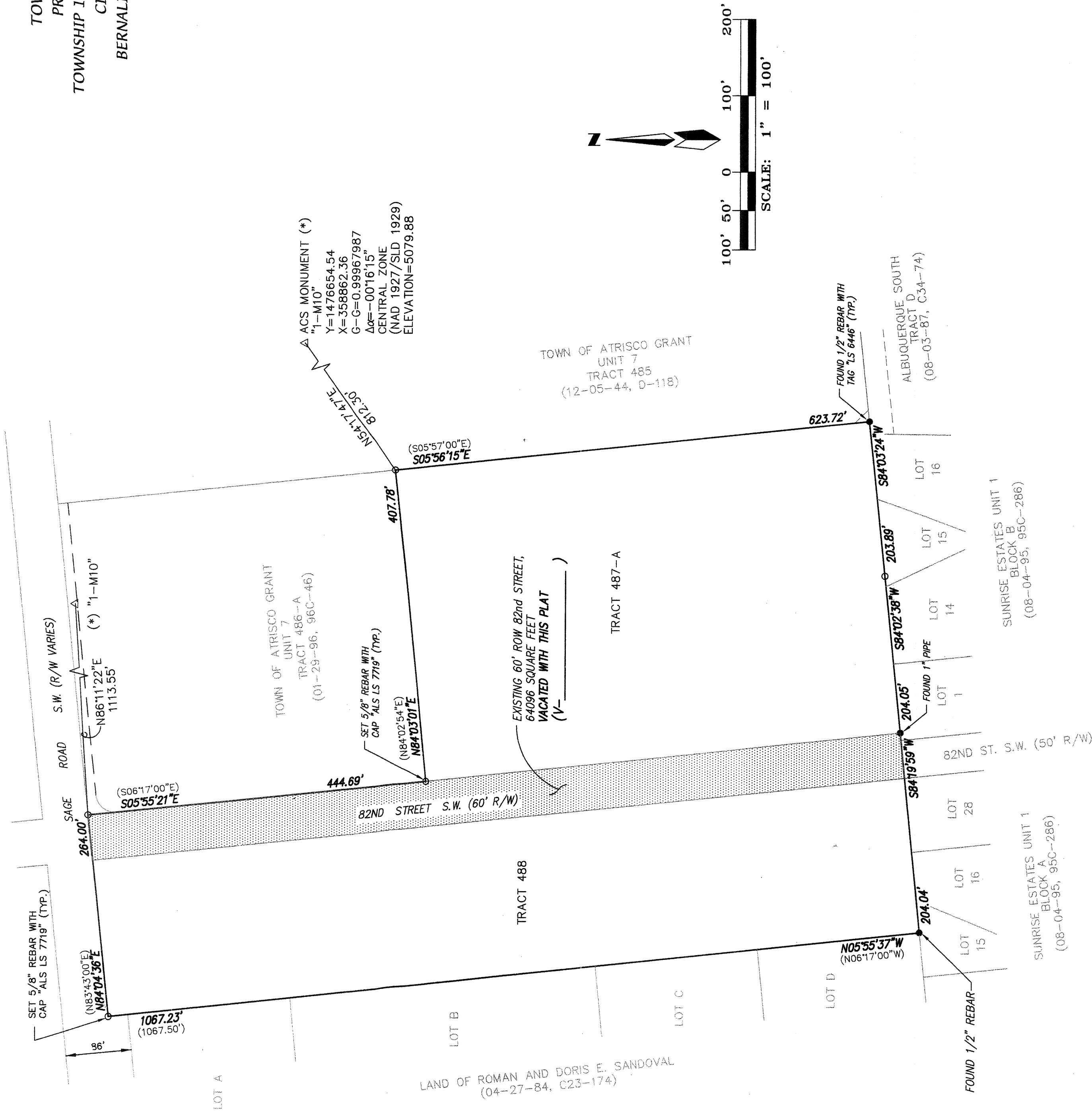


LOCATION MAP
NOT TO SCALE

Dwg:	PLATCOVER	Drawn:	SPS	Checked:	ALS	Sheet	1	of	4
Scale:	AS SHOWN	Date:	05/16/01	Job:	A1010				

PRELIMINARY PLAT OF
DESERT SAGE
SUBDIVISION

WITHIN THE
TOWN OF ATRISCO GRANT
PROJECTED SECTION 34
TOWNSHIP 10 NORTH, RANGE 2 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
MAY, 2001



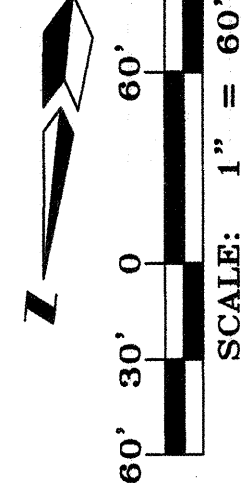
PRELIMINARY PLAT OF
DESERT SAGE
SUBDIVISION

WITHIN THE
TOWN OF ATRISCO GRANT
PROJECTED SECTION 34
TOWNSHIP 10 NORTH, RANGE 2 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
MAY, 2001

SCANNED BY
MESA REPRO

TOWN OF ATRISCO GRANT
UNIT 7
TRACT 485
(12-05-44, D-118)

ALL STREETS SHOWN
HEREON ARE HEREBY
DEDICATED AS PUBLIC
RIGHT-OF-WAY



SEE SHEET 4 OF 4 FOR CURVE TABLE

LINE TABLE		
NUMBER	DIRECTION	DISTANCE
L1	S 58°04'07" E	23.00'
L2	N 39°10'09" E	22.75'
L3	N 50°12'54" W	23.00'
L4	S 58°04'07" E	23.00'
L5	S 39°10'09" E	22.75'
L6	N 50°12'54" W	22.70'
L7	S 37°52'35" E	26.42'
L8	S 84°04'36" W	7.99'
L9	N 05°55'37" W	20.00'

ABBREVIATIONS

10' PUE = PUBLIC UTILITY EASEMENTS
GRANTED WITH THIS PLAT
5' SWE = SIDEWALK EASEMENTS
GRANTED WITH THIS PLAT
ROW = RIGHT-OF-WAY



PRELIMINARY PLAT OF
DESERT SAGE
SUBDIVISION

WITHIN THE
TOWN OF ATRISCO GRANT
PROJECTED SECTION 34
TOWNSHIP 10 NORTH, RANGE 2 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
MAY, 2001

LINE TABLE		
LINE	LENGTH	BEARING
L4	23.00'	N89°04'07" W
L5	22.75'	S89°10'09" E
L6	23.00'	S89°12'54" W
L7	26.42'	S37°52'35" E

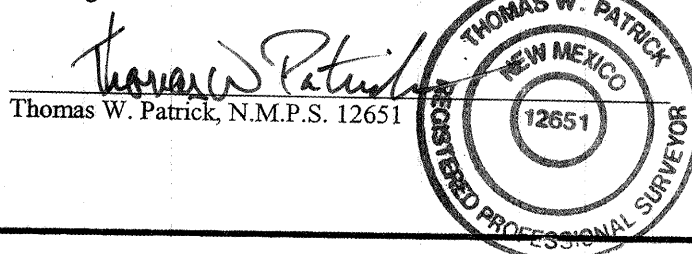
CURVE TABLE			CURVE TABLE			CH-BEARING=			CH-DIST=		
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CH-BEARING=	CH-DIST=	CH-BEARING=	CH-DIST=	CH-BEARING=	CH-DIST=	CH-DIST=
C1	100.65	75.00	76°53'29"	59.54	N32°31'23" E	93.27	N32°31'23" E	93.27	N32°31'23" E	93.27	N32°31'23" E
C2	100.66	75.00	76°53'45"	59.55	S32°31'15" W	93.27	S32°31'15" W	93.27	S32°31'15" W	93.27	S32°31'15" W
C3	51.10	75.00	39°02'15"	26.59	S51°27'00" W	50.12	S51°27'00" W	50.12	S51°27'00" W	50.12	S51°27'00" W
C4	49.56	75.00	37°51'30"	25.72	S130°08'00" W	48.66	S130°08'00" W	48.66	S130°08'00" W	48.66	S130°08'00" W
C5	112.84	75.00	90°01'22"	75.03	S90°56'18" E	106.09	S90°56'18" E	106.09	S90°56'18" E	106.09	S90°56'18" E
C6	59.92	75.00	45°00'41"	31.07	S72°56'58" E	57.42	S72°56'58" E	57.42	S72°56'58" E	57.42	S72°56'58" E
C7	59.92	75.00	45°00'41"	31.07	S72°56'58" E	57.42	S72°56'58" E	57.42	S72°56'58" E	57.42	S72°56'58" E
C8	112.79	75.00	89°59'17"	74.98	N89°03'23" E	106.05	N89°03'23" E	106.05	N89°03'23" E	106.05	N89°03'23" E
C9	59.90	75.00	44°59'38"	31.06	N61°33'12" E	57.40	N61°33'12" E	57.40	N61°33'12" E	57.40	N61°33'12" E
C10	59.90	75.00	44°59'38"	31.06	N61°33'12" E	57.40	N61°33'12" E	57.40	N61°33'12" E	57.40	N61°33'12" E
C11	112.84	75.00	90°01'22"	75.03	S90°56'18" E	106.09	S90°56'18" E	106.09	S90°56'18" E	106.09	S90°56'18" E
C12	237.19	75.00	180°00'00"	INFINITE	S05°55'37" E	151.00	S05°55'37" E	151.00	S05°55'37" E	151.00	S05°55'37" E
C13	39.26	25.00	89°59'17"	24.99	N39°03'23" E	35.35	N39°03'23" E	35.35	N39°03'23" E	35.35	N39°03'23" E
C14	39.26	25.00	89°59'17"	24.99	N39°03'23" E	35.35	N39°03'23" E	35.35	N39°03'23" E	35.35	N39°03'23" E
C15	39.26	25.00	89°59'17"	24.99	N39°03'23" E	35.35	N39°03'23" E	35.35	N39°03'23" E	35.35	N39°03'23" E
C16	39.26	25.00	89°59'17"	24.99	N39°03'23" E	35.35	N39°03'23" E	35.35	N39°03'23" E	35.35	N39°03'23" E
C17	83.24	53.00	89°59'17"	52.99	N39°03'23" E	74.95	N39°03'23" E	74.95	N39°03'23" E	74.95	N39°03'23" E
C18	50.54	97.50	29°42'09"	25.85	S68°32'20" W	49.98	S68°32'20" W	49.98	S68°32'20" W	49.98	S68°32'20" W
C19	101.45	97.50	59°36'53"	55.86	S23°52'49" W	96.93	S23°52'49" W	96.93	S23°52'49" W	96.93	S23°52'49" W
C20	107.08	97.50	62°55'25"	59.66	S17°23'19" E	101.78	S17°23'19" E	101.78	S17°23'19" E	101.78	S17°23'19" E
C21	44.86	97.50	26°21'43"	22.83	S82°01'53" E	44.47	S82°01'53" E	44.47	S82°01'53" E	44.47	S82°01'53" E
C22	168.08	53.50	180°00'00"	INFINITE	S05°55'37" E	107.00	S05°55'37" E	107.00	S05°55'37" E	107.00	S05°55'37" E
C23	83.23	53.00	89°58'38"	52.98	S39°03'42" W	74.94	S39°03'42" W	74.94	S39°03'42" W	74.94	S39°03'42" W
C24	1.16	97.50	0°40'58"	0.56	S83°43'54" W	1.16	S83°43'54" W	1.16	S83°43'54" W	1.16	S83°43'54" W
C25	22.99	97.00	13°31'22"	11.35	N00°46'28" E	22.84	N00°46'28" E	22.84	N00°46'28" E	22.84	N00°46'28" E
C26	21.31	25.00	46°50'14"	11.35	S16°50'00" E	20.67	S16°50'00" E	20.67	S16°50'00" E	20.67	S16°50'00" E
C27	26.27	40.00	46°50'14"	13.63	N25°53'32" W	25.80	N25°53'32" W	25.80	N25°53'32" W	25.80	N25°53'32" W
C28	42.65	40.00	61°05'24"	23.60	N23°27'32" E	40.86	N23°27'32" E	40.86	N23°27'32" E	40.86	N23°27'32" E
C29	43.45	40.00	65°05'50"	23.53	N68°33'09" E	43.04	N68°33'09" E	43.04	N68°33'09" E	43.04	N68°33'09" E
C30	22.92	25.00	52°17'39"	12.27	N62°14'04" W	22.03	N62°14'04" W	22.03	N62°14'04" W	22.03	N62°14'04" W
C31	19.09	97.00	11°16'42"	9.58	N77°15'26" E	19.08	N77°15'26" E	19.08	N77°15'26" E	19.08	N77°15'26" E
C32	1.51	25.00	32°27'26"	0.75	S42°58'51" E	1.51	S42°58'51" E	1.51	S42°58'51" E	1.51	S42°58'51" E
C33	3.36	40.00	4°48'42"	1.68	S58°29'35" E	3.36	S58°29'35" E	3.36	S58°29'35" E	3.36	S58°29'35" E
C34	1.95	97.00	10°19'14"	0.98	N83°28'24" E	1.95	N83°28'24" E	1.95	N83°28'24" E	1.95	N83°28'24" E
C35	39.26	25.00	89°58'22"	24.99	S39°03'50" W	35.35	S39°03'50" W	35.35	S39°03'50" W	35.35	S39°03'50" W
C36	36.50	25.00	83°39'25"	22.37	N47°45'04" W	33.35	N47°45'04" W	33.35	N47°45'04" W	33.35	N47°45'04" W
C37	13.26	100.00	7°35'46"	6.64	N85°46'53" E	13.25	N85°46'53" E	13.25	N85°46'53" E	13.25	N85°46'53" E
C38	15.24	25.00	34°56'19"	7.87	S80°32'50" W	15.01	S80°32'50" W	15.01	S80°32'50" W	15.01	S80°32'50" W
C39	34.27	40.00	49°05'30"	18.27	N72°17'06" E	33.23	N72°17'06" E	33.23	N72°17'06" E	33.23	N72°17'06" E
C40	6.69	25.00	15°20'20"	3.37	S55°24'31" W	6.67	S55°24'31" W	6.67	S55°24'31" W	6.67	S55°24'31" W
C41	27.50	40.00	39°23'11"	14.32	S67°28'31" E	26.96	S67°28'31" E	26.96	S67°28'31" E	26.96	S67°28'31" E
C42	24.25	40.00	34°43'50"	12.51	S26°25'03" E	23.88	S26°25'03" E	23.88	S26°25'03" E	23.88	S26°25'03" E
C43	28.16	40.00	40°19'51"	14.69	S106°48'00" E	27.58	S106°48'00" E	27.58	S106°48'00" E	27.58	S106°48'00" E
C44	19.76	25.00	45°17'20"	10.43	N68°36'04" E	19.25	N68°36'04" E	19.25	N68°36'04" E	19.25	N68°36'04" E
C45	2.51	25.00	5°45'04"	1.26	N16°53'08" W	2.51	N16°53'08" W	2.51	N16°53'08" W	2.51	N16°53'08" W
C46	23.90	99.00	13°50'03"	12.01	S12°50'39" E	23.65	S12°50'39" E	23.65	S12°50'39" E	23.65	S12°50'39" E
C47	61.15	52.00	89°24'44"	51.47	S50°37'59" E	73.16	S50°37'59" E	73.16	S50°37'59" E	73.16	S50°37'59" E
C48	39.27	25.00	90°00'00"	25.00	S39°04'23" W	35.36	S39°04'23" W	35.36	S39°04'23" W	35.36	S39°04'23" W
C49	39.27	25.00	90°00'00"	25.00	S50°55'37" E	35.36	S50°55'37" E	35.36	S50°55'37" E	35.36	S50°55'37" E
C50	2.00	51.00	21°41'41"	1.00	S04°48'17" E	2.00	S04°48'17" E	2.00	S04°48'17" E	2.00	S04°48'17" E
C51	66.45	51.00	74°39'04"	38.89	S33°38'36" W	61.85	S33°38'36" W	61.85	S33°38'36" W	61.85	S33°38'36" W
C52	77.33	99.00	44°45'14"	40.76	N48°35'31" E	75.38	N48°35'31" E	75.38	N48°35'31" E	75.38	N48°35'31" E
C53	25.25	25.00	57°51'45"	13.82	S55°08'46" W	24.19	S55°08'46" W	24.19	S55°08'46" W	24.19	S55°08'46" W
C54	11.24	99.00	6°30'18"	5.63	S02°40'28" E	11.23	S02°40'28" E	11.23	S02°40'28" E	11.23	S02°40'28" E
C55	22.55	25.00	51°40'20"	12.10	N25°15'29" W	21.79	N25°15'29" W	21.79	N25°15'29" W	21.79	N25°15'29" W
C56	8.62	40.00	12°20'56"	4.33	S44°55'10" E	8.60	S44°55'10" E	8.60	S44°55'10" E	8.60	S44°55'10" E
C57	37.40	40.00	53°54'22"	20.19	S11°57'32" E	36.05	S11°57'32" E	36.05	S11°57'32" E	36.05	S11°57'32" E
C58	26.04	40.00	37°17'46"	13.50	S33°28'32" W	25.58	S33°28'32" W	25.58	S33°28'32" W	25.58	S33°28'32" W
C59	21.67	40.00	31°02'08"	11.11	S87°38'29" W	21.40	S87°38'29" W	21.40	S87°38'29" W	21.40	S87°38'29" W
C60	22.20	40.00	31°42'51"	11.39	N80°56'31" W	21.92	N80°56'31" W	21.92	N80°56'31" W	21.92	N80°56'31" W
C61	22.55	25.00	51°40'20"	12.10	N89°07'15" E	21.79	N89°07'15" E	21.79	N89°07'15" E	21.79	N89°07'15" E
C62	13.14	99.00	7°36'28"	6.59	S87°09'55" W	13.13	S87°09'55" W	13.13	S87°09'55" W	13.13	S87°09'55" W
C63	0.13	99.00	0°04'37"	0.07	N65°19'24" E	0.13	N65°19'24" E	0.13	N65°19'24" E	0.13	N65°19'24" E
C64	68.44	51.00	76°53'29"	40.49	N32°31'23" W	63.42	N32°31'23" W	63.42	N32°31'23" W	63.42	N32°31'23" W
C65	39.27	25.00	90°00'00"	25.00	N50°55'23" W	35.36	N50°55'23" W	35.36	N50°55'23" W	35.36	N50°55'23" W
C66	1.22	97.50	0°42'52"	0.61	N84°25'49" E	1.22	N84°25'49" E	1.22	N84°25'49" E	1.22	N84°25'49" E
C67	22.27	25.00	51°02'24"	11.94	N05°45'32" E	21.54	N05°45'32" E	21.54	N05°45'32" E	21.54	N05°45'32" E
C68	21.94	25.00	50°16'39"	11.73	S72°52'40" W	21.24	S72°52'40" W	21.24	S72°52'40" W	21.24	S72°52'40" W

SCANNED BY
MESA REPRO

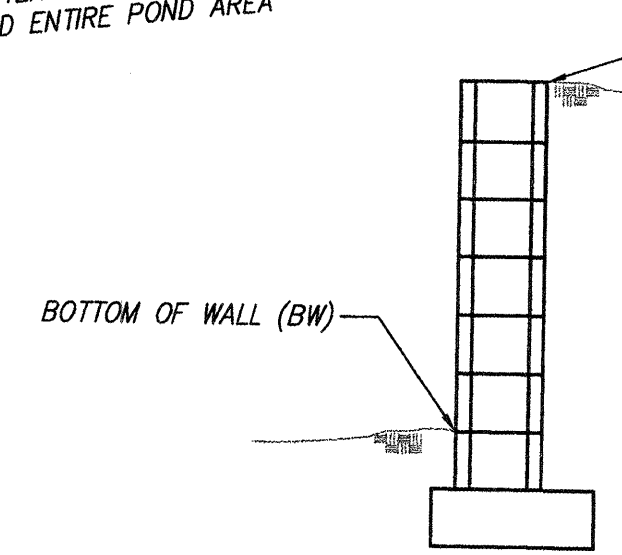
SCANNED BY
MESA REPRO

SURVEYOR'S CERTIFICATION

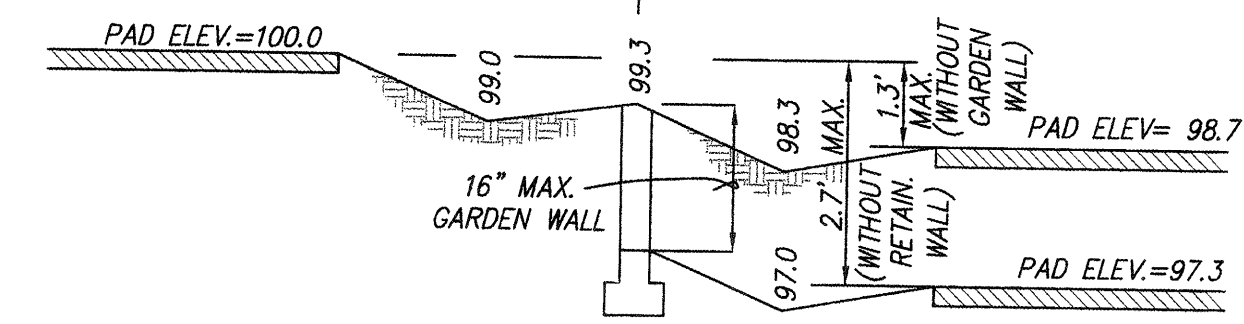
I, Thomas W. Patrick, a duly qualified Registered Professional Land Surveyor under the Laws of the State of New Mexico, do hereby certify that the "as-built" information shown on these drawings was obtained from field construction and "as-built" surveys performed by me, or under my supervision, that the "as-built" information shown on these drawings was added by me, or under my supervision and that this "as-built" information is true and correct to the best of my knowledge and belief. Community Sciences Corporation is not responsible for any of the design concepts, calculations, engineering and/or intent of the record drawings.



Date 9.12.2002



RETAINING WALL
N.T.S.



TYPICAL SIDEYARD GARDEN BLOCKWALL DETAIL
N.T.S.
ANY DIFFERENCE IN PAD ELEVATIONS BETWEEN ADJACENT LOTS GREATER THAN 2.7' WILL REQUIRE RETAINING WALLS

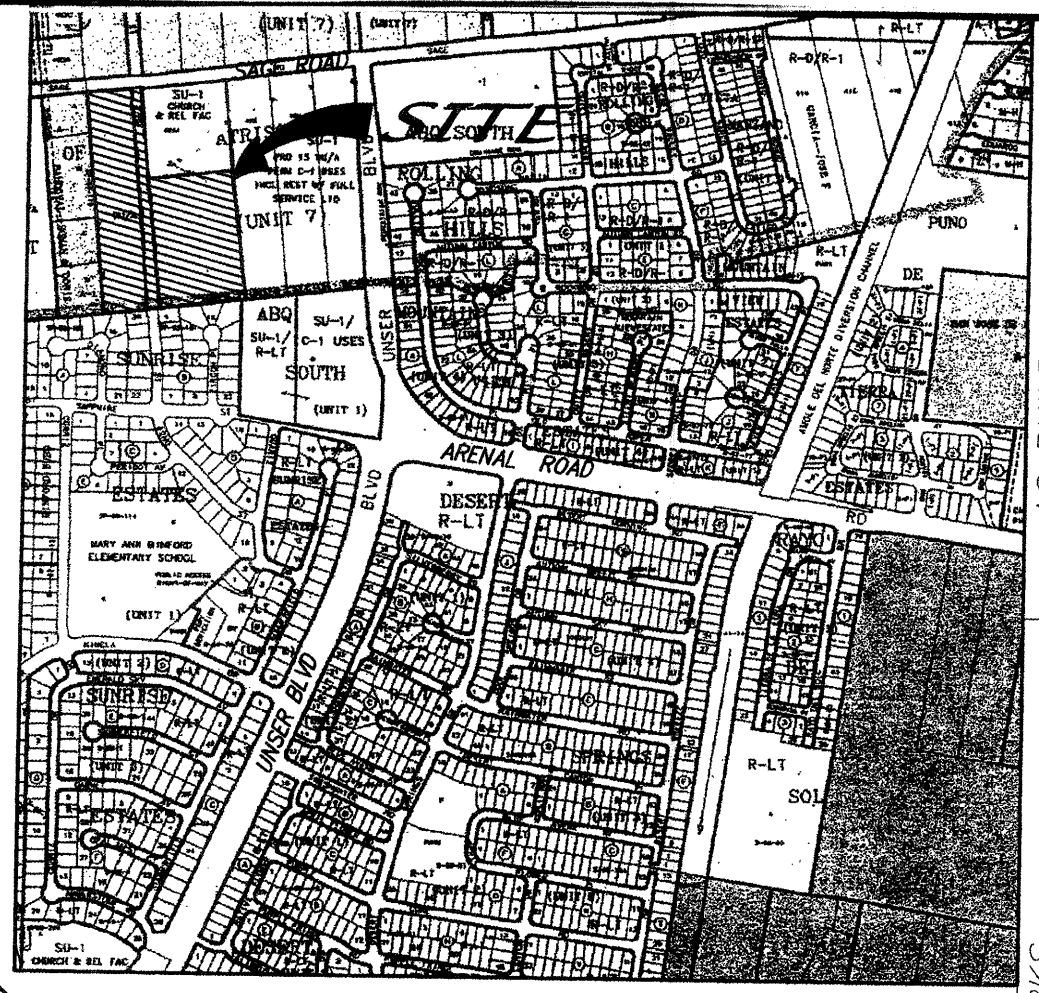
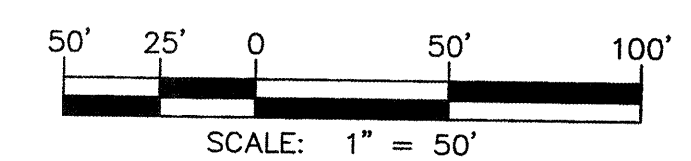
EROSION CONTROL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING UP ANY SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. EROSION CONTROL BERMS ARE REQUIRED AROUND THE ENTIRE SITE.
5. ALL EROSION CONTROL BERMS MUST BE IN PLACE AND ENGINEER CERTIFIED PRIOR TO BUILDING PERMIT RELEASE.

RECORD DRAWING

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, Community Sciences Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer, PE NMPE 11967



VICINITY MAP ZONE MAP: M-10

- NOTES:
1. A BLOCK WALL WILL BE CONSTRUCTED ALONG THE ENTIRE PERIMETER BOUNDARY.
 2. WHERE THE DIFFERENCE IN ADJACENT PAD ELEVATIONS IS GREATER THAN 1.3' AND LESS THAN 2.7' A GARDEN WALL SHALL BE CONSTRUCTED TO ACCOMMODATE PROPER SIDEYARD LOT DRAINAGE AS SHOWN ON THE SIDEYARD LOT DETAIL.
 3. WHERE THE DIFFERENCE IN ADJACENT PAD ELEVATIONS IS GREATER THAN 2.7' A RETAINING WALL SHALL BE CONSTRUCTED TO ACCOMMODATE PROPER SIDEYARD LOT DRAINAGE AS SHOWN ON THE SIDEYARD LOT DETAIL.

LEGEND

- ===== FUTURE CURB AND GUTTER
- ===== NEW MOUNTABLE CURB & GUTTER
- ===== NEW STANDARD CURB & GUTTER
- ===== NEW TRACT/LOT BOUNDARY
- ===== NEW RIGHT OF WAY
- ===== NEW EASEMENTS
- ===== NEW CENTERLINE
- ===== NEW STORMDRAIN
- ===== FUTURE STORMDRAIN
- 1.0% NEW FLOW
- NEW SLOPES
- NEW SPOT ELEVATIONS
- 42.15' TOP OF WALL ELEVATION
- 42.15BW' BOTTOM OF WALL ELEVATION
- FP= 85.00 FINISHED PAD ELEVATION
- DR LOCATION OF DRIVEWAY
- ===== FINISHED PAD
- ===== REQUIRED SIDEYARD BLOCKWALL
- ===== NEW RETAINING WALL
- 2 PERCENT CROSS SLOPE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING WATERLINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING FIRE HYDRANT
- EXISTING CONTOURS
- EXISTING TOP OF CURB
- EXISTING FLOWLINE
- EXISTING SPOT ELEVATION
- EXISTING RETAINING WALL
- EXISTING FINISHED PAD ELEVATION
- ===== EXISTING CURB AND GUTTER

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NO.	BY	NO.	BY	NO.	BY
ACS MONUMENT STANDARD BRASS CAP STAMPED "1-103"							
WORK DONE BY	DATE						
INSPECTED BY	DATE						
ACCEPTANCE BY	DATE						
VERIFICATION BY	DATE						
DRAWINGS	DATE						
DESIGNED BY	DATE						
DRAWN BY	DATE						
CHECKED BY	DATE						
CSC: MAP DATE 9/12/02		MICRO-FILM INFORMATION		REVISIONS		DESIGN	
NO.		NO.		DATE		DATE	
C.O.A. HAS FOR T. Archelek				02/01		02/01	

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT

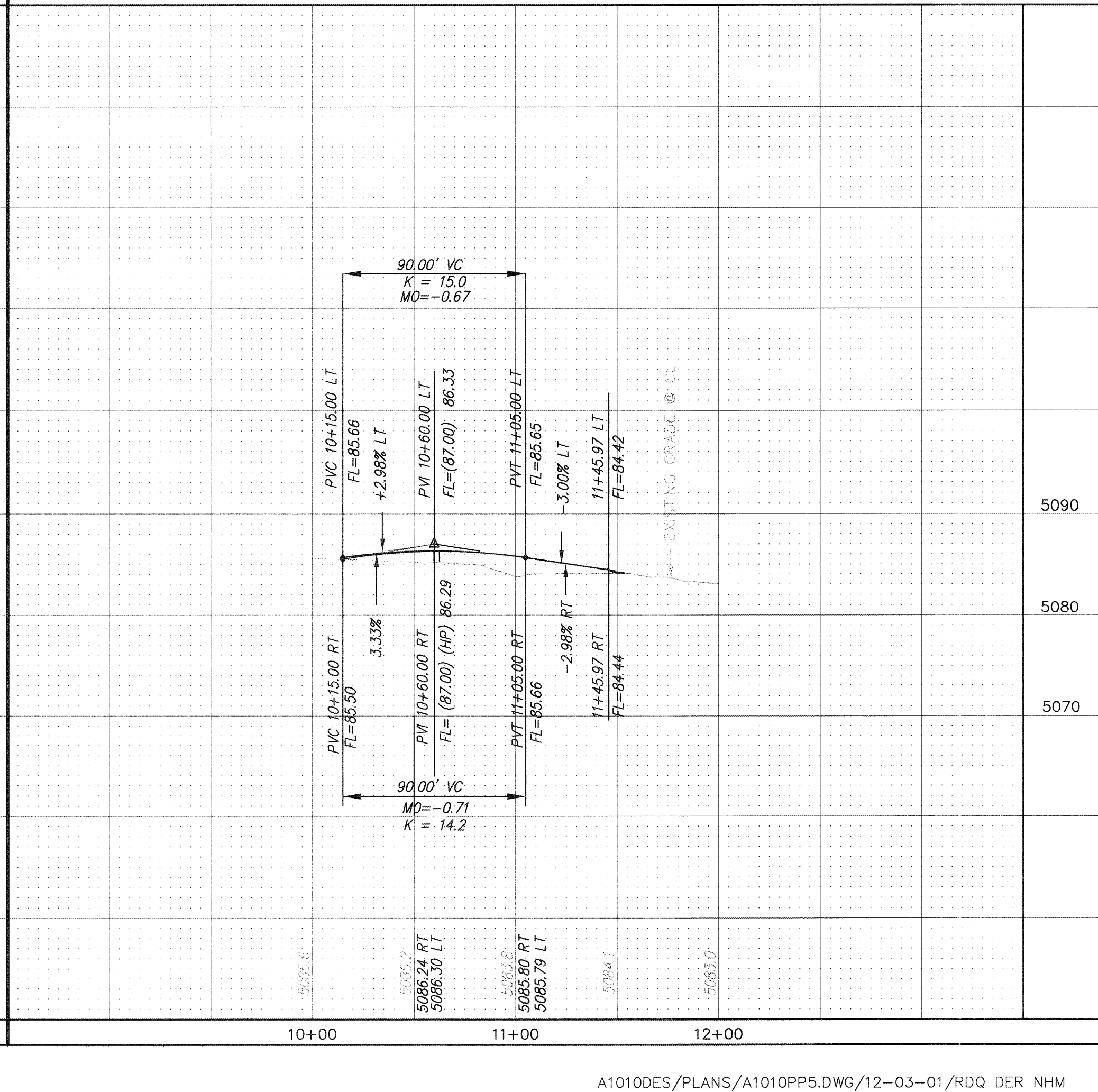
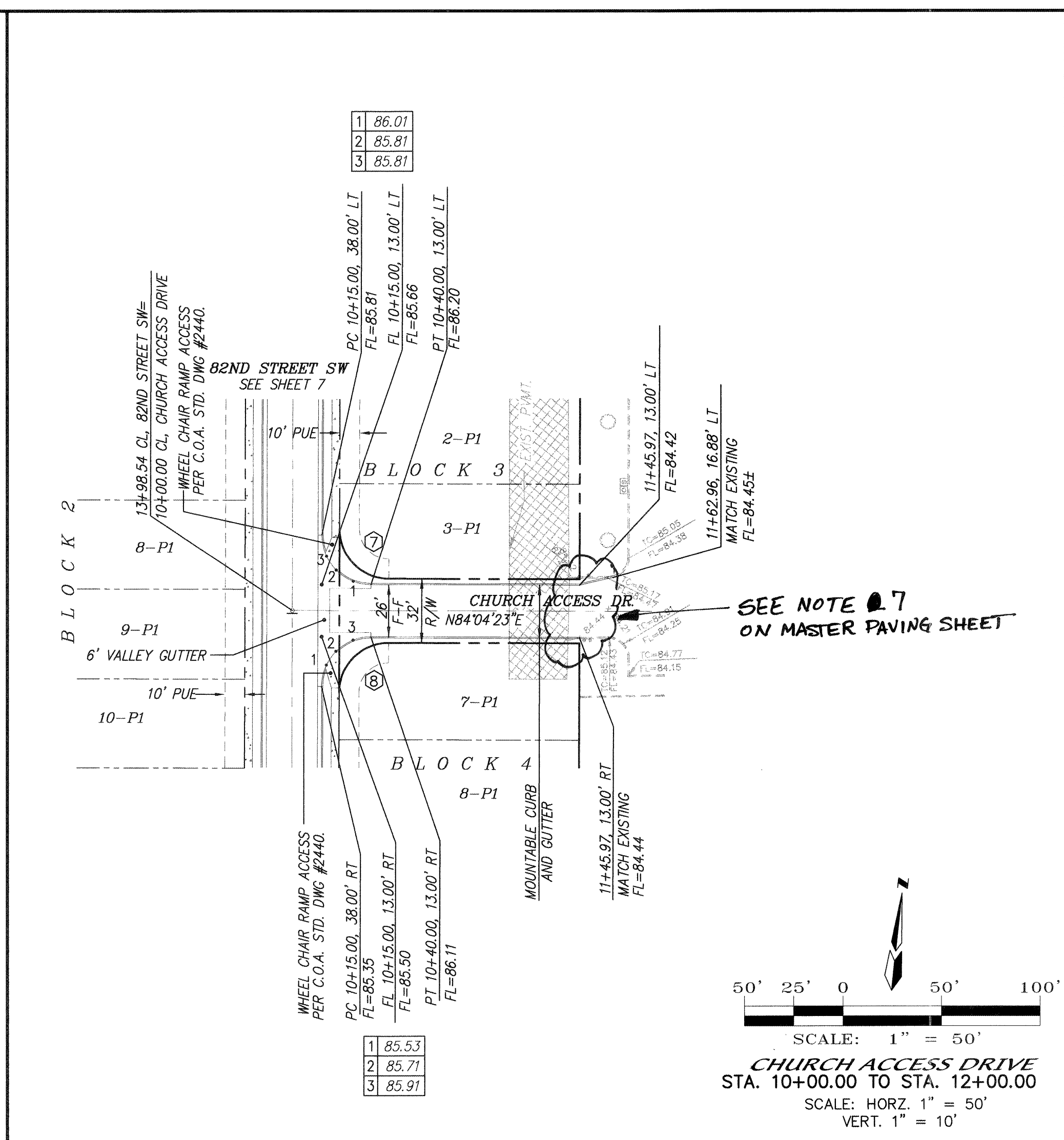
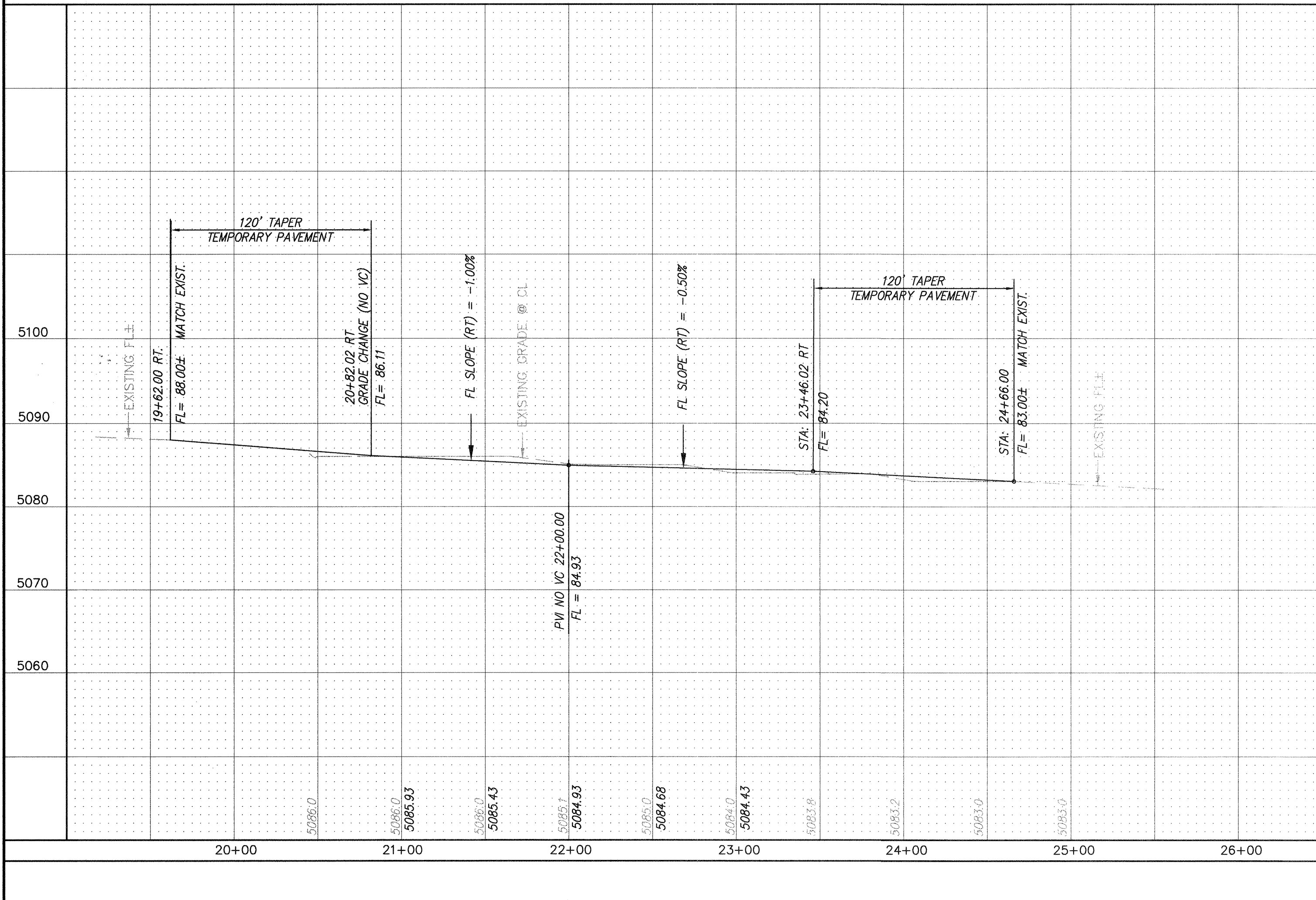
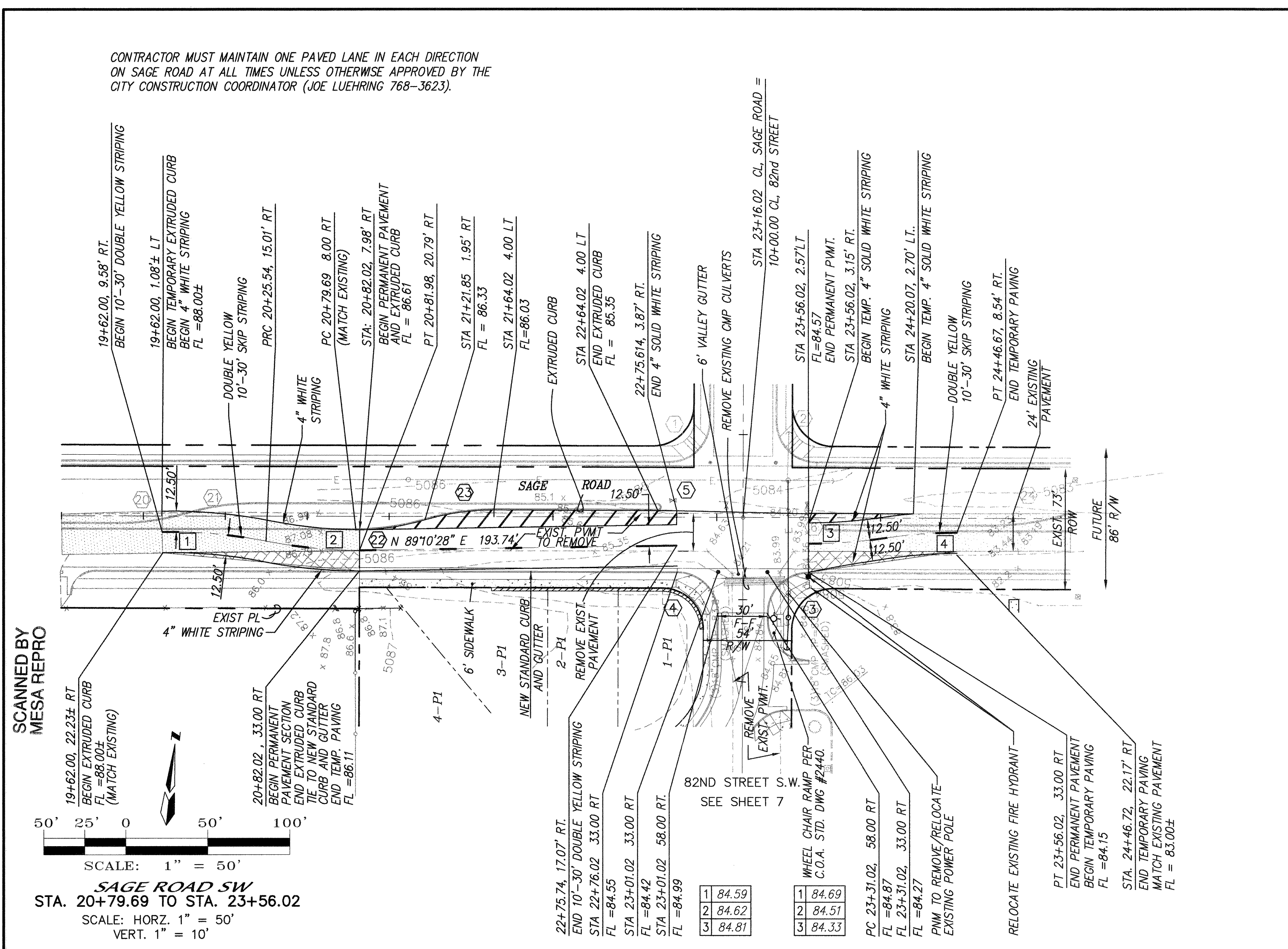
DESERT SAGE GRADING AND DRAINAGE PLAN

DESIGN REVIEW COMMITTEE: [Signature] CITY ENGINEER APPROVAL: [Signature]

MO./DAY/YR. MO./DAY/YR.

LAST DESIGN UPDATE: [Signature]

CITY PROJECT NO. **670481** ZONE MAP NO. **M-10** SHEET **4** OF **19**



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

CURVE DATA - DESCRIBES FACE OF CURB

①	②	③
$\Delta = 89^{\circ}59'57''$ $R = 25.00$ $L = 39.27$ $T = 25.00$	$\Delta = 90^{\circ}00'03''$ $R = 25.00$ $L = 39.27$ $T = 25.00$	$\Delta = 89^{\circ}59'57''$ $R = 25.00$ $L = 39.27$ $T = 25.00$
$\Delta = 90^{\circ}00'03''$ $R = 25.00$ $L = 39.27$ $T = 25.00$	$\Delta = 180^{\circ}00'00''$ $R = 2.00$ $L = 6.28$ $T = N/A$	$\Delta = 180^{\circ}00'00''$ $R = 2.00$ $L = 6.28$ $T = N/A$
$\Delta = 90^{\circ}00'00''$ $R = 25.00$ $L = 39.27$ $T = 25.00$	$\Delta = 90^{\circ}00'00''$ $R = 25.00$ $L = 39.27$ $T = 25.00$	$\Delta = 152^{\circ}51'4''$ $R = 150.00$ $L = 40.37$ $T = 20.31$
$\Delta = 161^{\circ}9'35''$ $R = 150.00$ $L = 42.74$ $T = 21.52$	$\Delta = 161^{\circ}9'37''$ $R = 150.00$ $L = 42.74$ $T = 21.52$	$\Delta = 161^{\circ}5'37''$ $R = 150.00$ $L = 42.57$ $T = 21.43$

CURVE DATA - DESCRIBES DOUBLE YELLOW STRIPING

①	②	③
$\Delta = 121^{\circ}5'17''$ $R = 300.00$ $L = 64.17$	$\Delta = 10^{\circ}58'12''$ $R = 300.00$ $L = 57.44$	$\Delta = 8^{\circ}49'57''$ $R = 300.00$ $L = 46.25$
$\Delta = 8^{\circ}32'59''$ $R = 300.00$ $L = 44.77$		

LEGEND

- EXISTING OFF-SITE PAVEMENT TO REMAIN
- TEMPORARY PAVEMENT TAPER
- REMOVE EXISTING PAVEMENT
- CROWN TRANSITION

RECORD DRAWING

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, Community Sciences Surveying, and reflects the construction as actually accomplished. This plan is in substantial compliance with the Approved Plan.

Diane Hoelzer 9-12-02
Diane Hoelzer, PE NMPE 11967

LEGEND

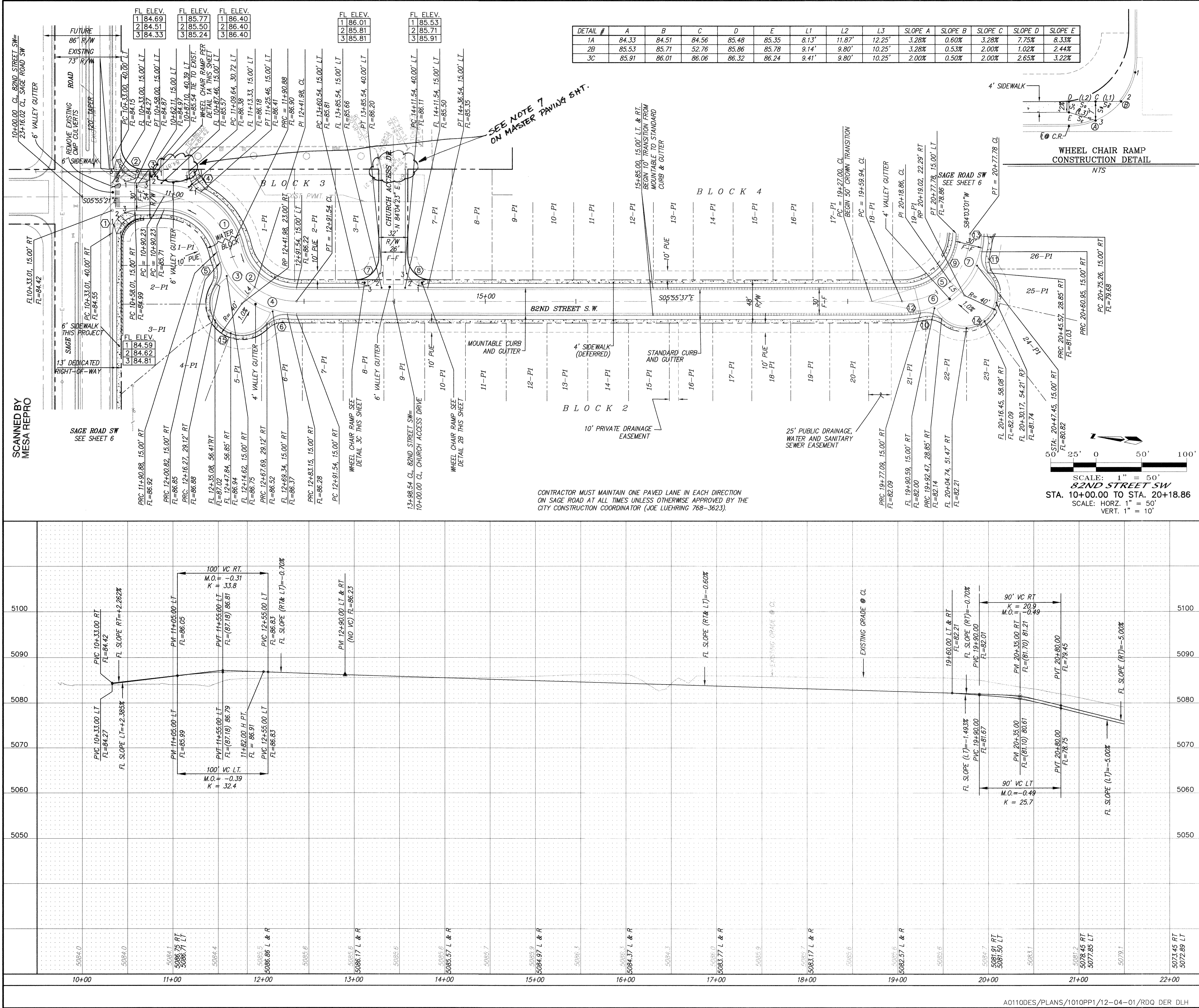
EXISTING OFF-SITE PAVEMENT TO REMAIN
TEMPORARY PAVEMENT TAPER
REMOVE EXISTING PAVEMENT
CROWN TRANSITION

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT

DESERT SAGE SUBDIVISION SAGE ROAD SW & CHURCH ACCESS DRIVE PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE APPROVED SEP 27 2001
CITY ENGINEER

CITY PROJECT NO. **670481** ZONE MAP NO. **M-10** SHEET **6** OF **19**



DETAIL #	A	B	C	D	E	L1	L2	L3	SLOPE A	SLOPE B	SLOPE C	SLOPE D	SLOPE E
1A	84.33	84.51	84.56	85.48	85.35	8.13'	11.87'	12.25'	3.28%	0.60%	3.28%	7.75%	8.33%
2B	85.53	85.71	85.76	85.86	85.78	9.14'	9.80'	10.25'	3.28%	0.53%	2.00%	1.02%	2.44%
3C	85.91	86.01	86.06	86.32	86.24	9.41'	9.80'	10.25'	2.00%	0.50%	2.00%	2.65%	3.22%

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

CURVE DATA - DESCRIBES FACE OF CURB

- ① Δ = 90°00'03" R = 25.00' T = 25.00' L = 39.27'
- ② Δ = 89°59'57" R = 25' T = 25' L = 39.27'
- ③ Δ = 90°53'59" R = 25'00' T = 25'00' L = 39.66'
- ④ Δ = 62°17'09" R = 25'00' T = 15.11' L = 27.18'
- ⑤ Δ = 58°26'56" R = 25.00' T = 13.99' L = 25.50'
- ⑥ Δ = 58°26'56" R = 25.00' T = 13.99' L = 25.5'
- ⑦ Δ = 90°00'00" R = 25.00' T = 25.00' L = 39.27'
- ⑧ Δ = 90°00'00" R = 25.00' T = 25.00' L = 39.27'
- ⑨ Δ = 90°01'22" R = 60.00' T = 60.02' L = 94.27'
- ⑩ Δ = 57°46'39" R = 25.00' T = 13.79' L = 25.21'
- ⑪ Δ = 57°46'39" R = 25.00' T = 13.79' L = 25.21'
- ⑫ Δ = 13°05'57" R = 90.00' T = 10.33' L = 20.58'
- ⑬ Δ = 10°55'42" R = 90' T = 8.61' L = 17.17'
- ⑭ Δ = 179°47'43" R = 35.00' T = 19599.97' L = 109.83'
- ⑮ Δ = 76°53'29" R = 75.00' T = 59.54' L = 100.65'
- ⑯ Δ = 76°53'45" R = 75.00' T = 59.55' L = 100.66'
- ⑰ Δ = 39°02'15" R = 75' T = 26.59' L = 51.1'
- ⑱ Δ = 37°51'30" R = 75' T = 25.72' L = 49.56'
- ⑲ Δ = 90°01'22" R = 75' T = 75.03' L = 117.84'
- ⑳ Δ = 45°00'41" R = 75' T = 31.07' L = 58.92'

CURVE DATA - DESCRIBES CENTERLINE

- ① Δ = 76°53'29" R = 75.00' T = 59.54' L = 100.65'
- ② Δ = 76°53'45" R = 75.00' T = 59.55' L = 100.66'
- ③ Δ = 39°02'15" R = 75' T = 26.59' L = 51.1'
- ④ Δ = 37°51'30" R = 75' T = 25.72' L = 49.56'
- ⑤ Δ = 90°01'22" R = 75' T = 75.03' L = 117.84'
- ⑥ Δ = 45°00'41" R = 75' T = 31.07' L = 58.92'

LEGEND

REMOVE EXISTING PAVEMENT
RECORD DRAWING

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, Community Sciences Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer, PE
NIMPE 11967

DAVID HOELZER
REGISTERED PROFESSIONAL ENGINEER
NEW MEXICO

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

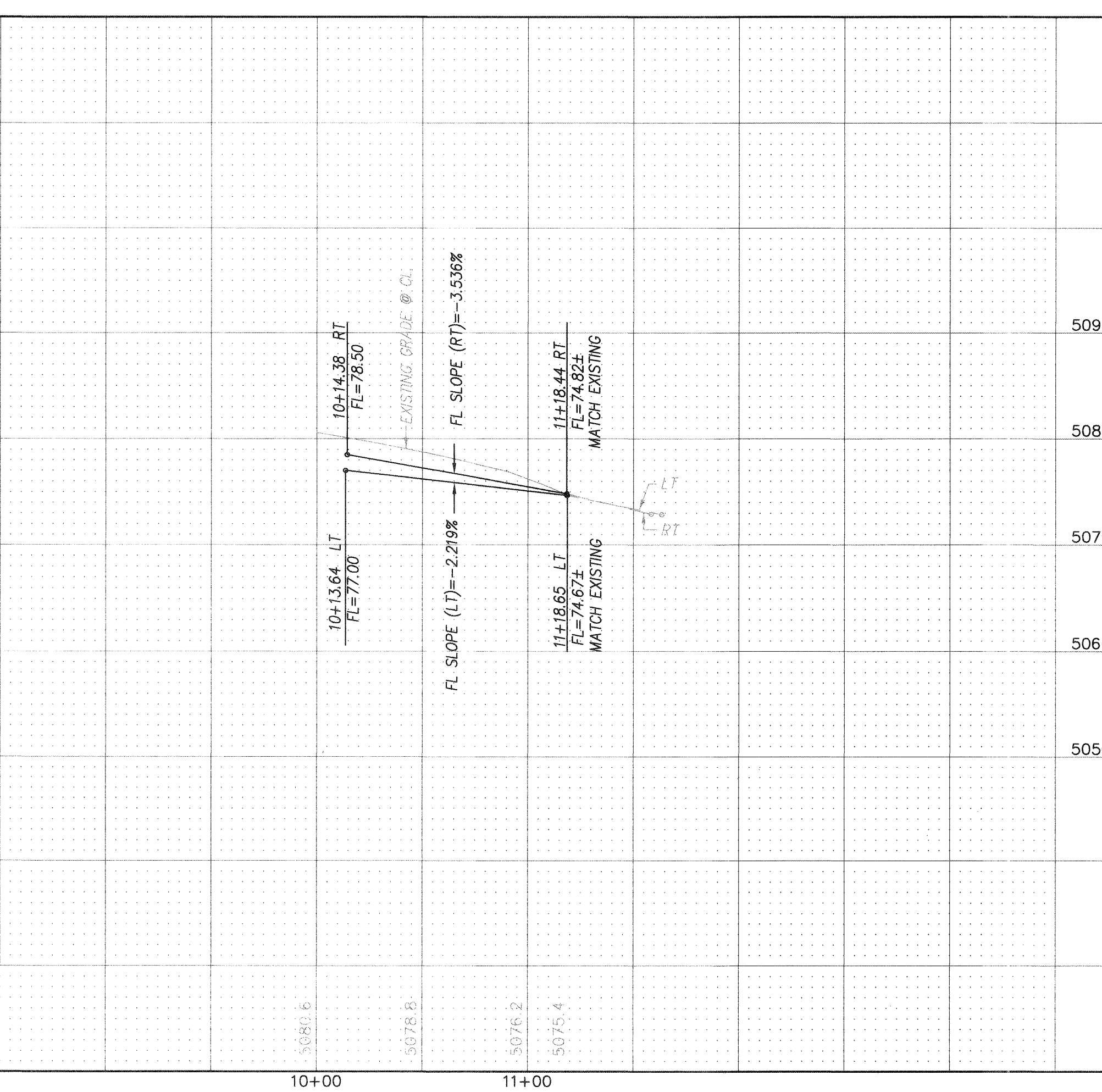
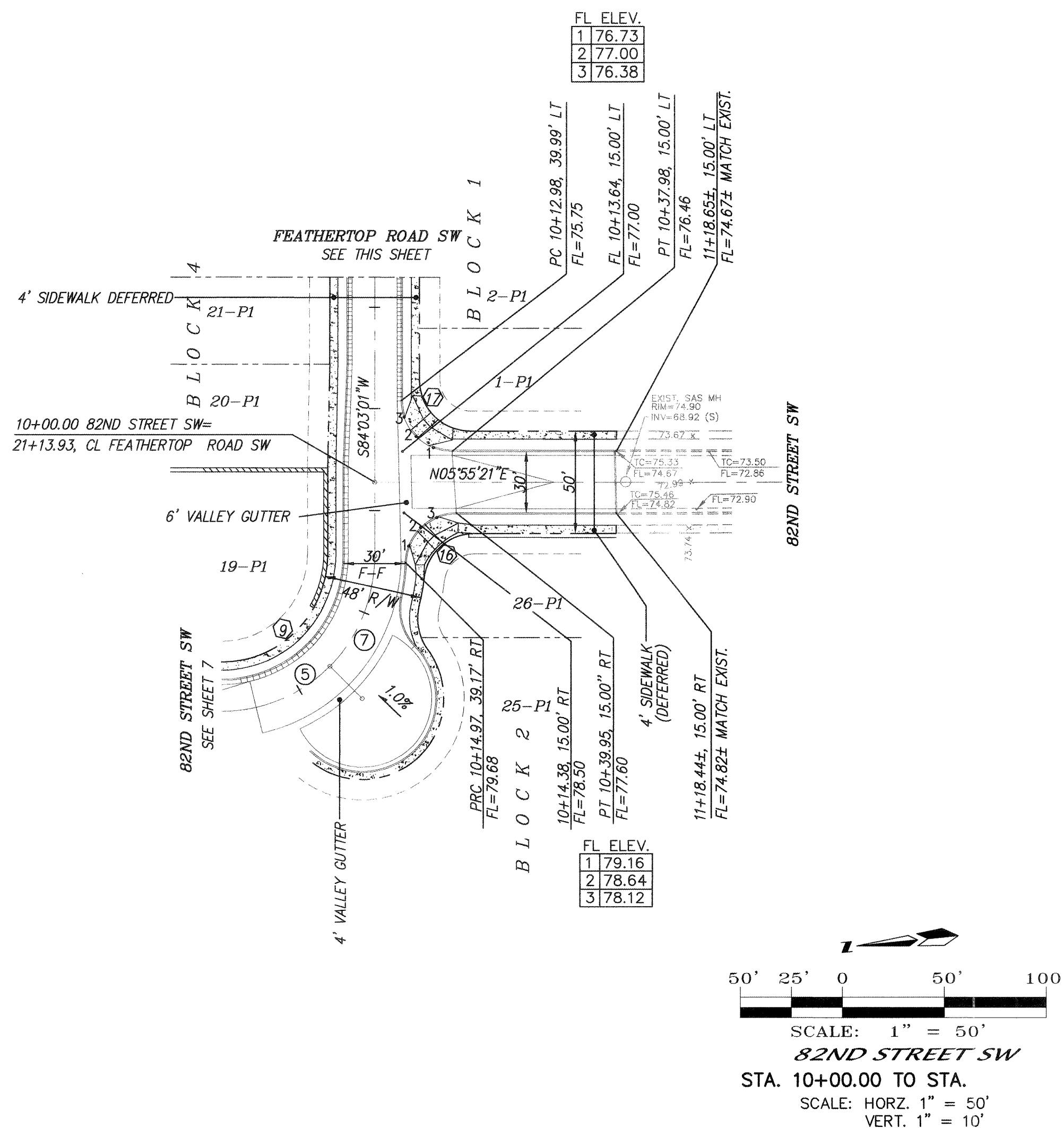
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: DESERT SAGE SUBDIVISION
82ND STREET SW
PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL
LAST DESIGN UPDATE
CITY ENGINEER

CITY PROJECT NO. 670481
ZONE MAP NO. M-10
SHEET 7 OF 19

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	Hydro-Systems	DATE	10/2	NO.	BY	DATE	DATE
WORK	PAVED BY	DATE	10/2	NO.	BY	DATE	DATE
FIELD	PAVED BY	DATE	10/2	NO.	BY	DATE	DATE
DRAWINGS	PAVED BY	DATE	10/2	NO.	BY	DATE	DATE
CORRECTED BY	PAVED BY	DATE	10/2	NO.	BY	DATE	DATE
RECORDED BY	PAVED BY	DATE	10/2	NO.	BY	DATE	DATE
NO.	PAVED BY	DATE	10/2	NO.	BY	DATE	DATE
COR. HAS FOR T. BAKER	PAVED BY	DATE	10/2	NO.	BY	DATE	DATE

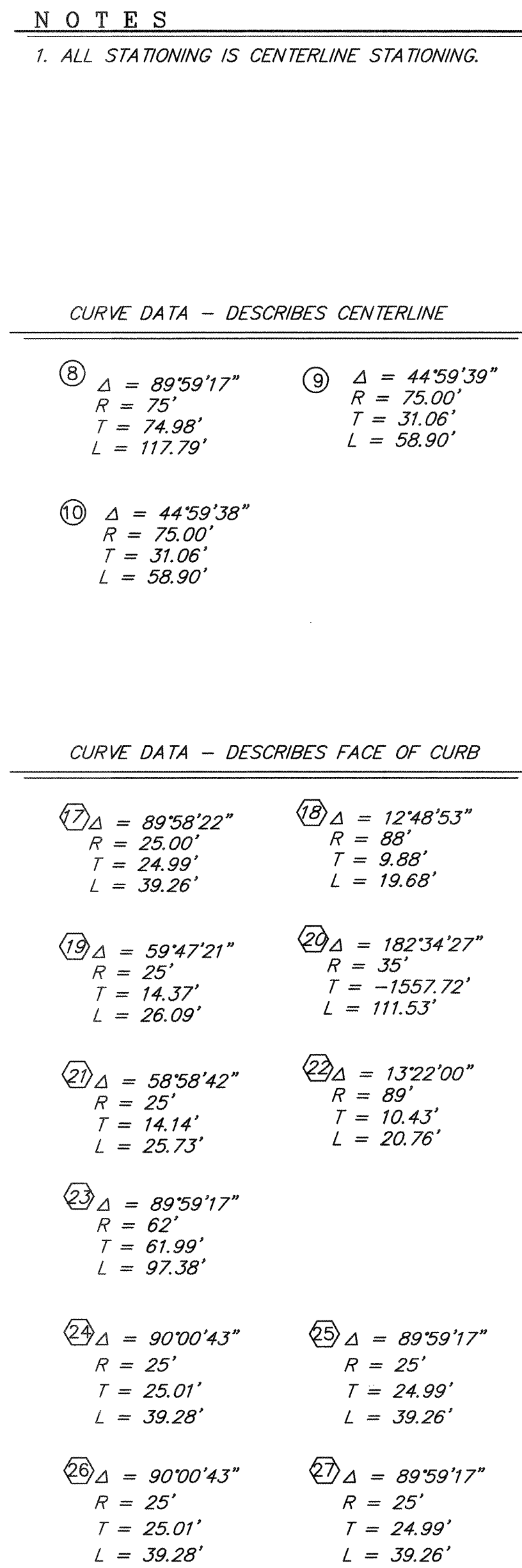
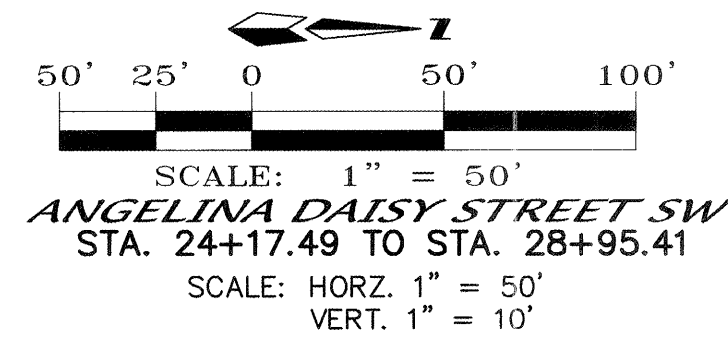


CITY PROJECT NO.		CITY ENGINEER
ZONE		

10	SHEET	OF
----	-------	----

DATE	TIME	CITY ENGINEER	LAST
------	------	---------------	------

DESIGNED BY DLH DRAWN BY RDQ CHECKED BY DMG		DATE 08/01 DATE 08/01 DATE 08/01		NO. DATE REMARKS REVISIONS		BY DATE		ENGINEER'S SEAL		FIELD NOTES NO. BY DATE		BENCH MARKS ACS MONUMENT STANDARD BRASS CAP STAMPED "1-149" X = 353.083.17 Y = 1,475.755.53 NAD 1927, ELEVATION = 5147.87, NGVD 1929, STATION IS 5.5 MILES SW FROM DOWNTOWN ALBUQUERQUE AT THE INTERSECTION OF 38th ST., GIBSON BLVD., AND SAGE RD.		CONTRACTOR Hydro-Systems WORK STARTED BY CSC ACCEPTED AND IN CHARGE BY DATE 1/02 FIELD LOCATION BY DATE 5/02 DRAWINGS CORRECTED BY DATE RECORDED BY DATE NO. DATE		AS BUILT INFORMATION CONTRACTOR Hydro-Systems WORK STARTED BY CSC ACCEPTED AND IN CHARGE BY DATE 1/02 FIELD LOCATION BY DATE 5/02 DRAWINGS CORRECTED BY DATE RECORDED BY DATE NO. DATE	
---	--	--	--	---	--	---	--	--	--	--	--	---	--	---	--	--	--



Diane Hoelzer, PE NMPE 11967



TITLE: *DESERT SAGE SUBDIVISION
ANGELINA DAISY STREET SW
PAVING IMPROVEMENTS*

CITY ENGINEER APPROVAL

APPROVED

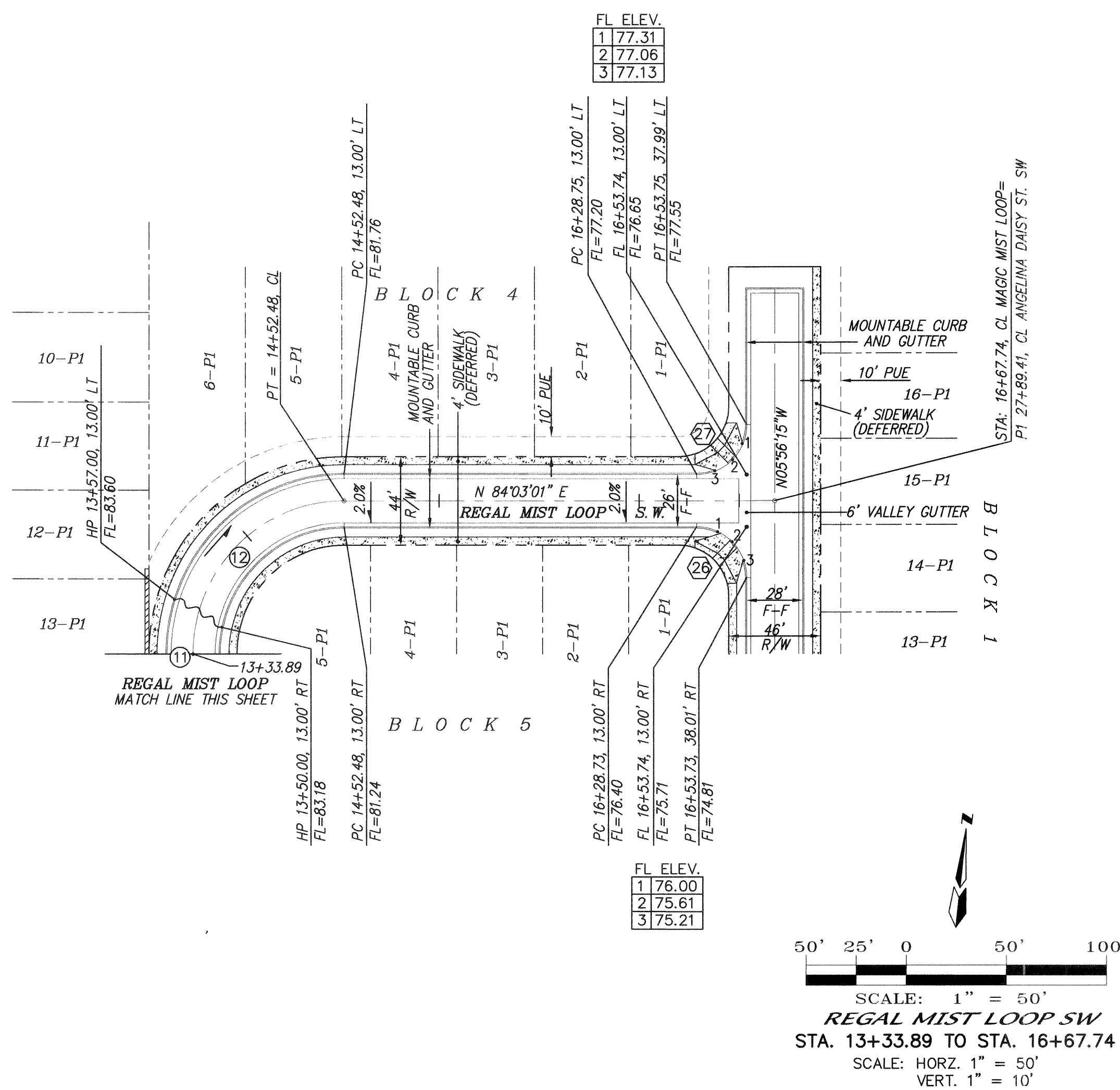
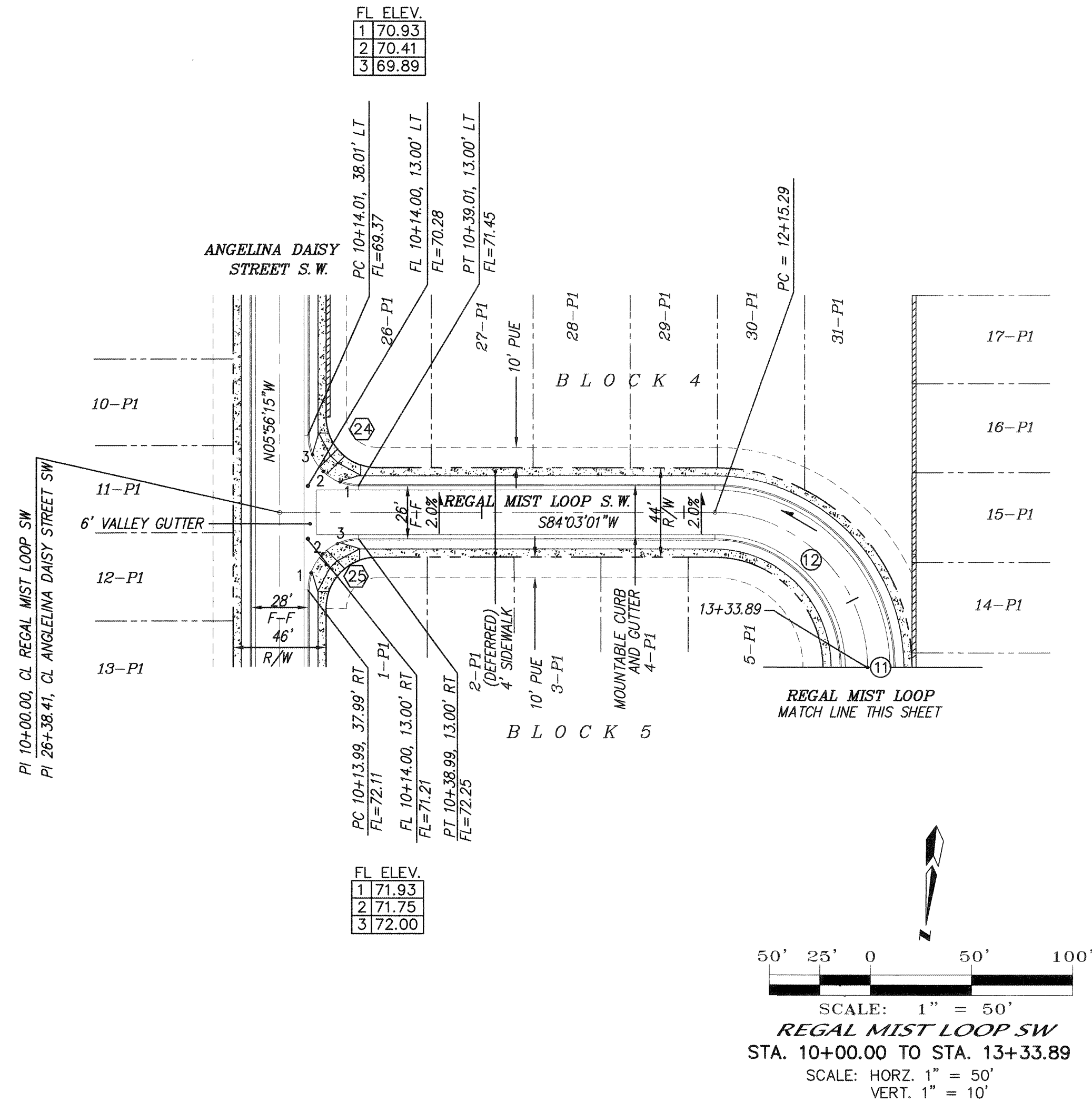
10 27 2009

CITY ENGINEER

LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO. 670481	ZONE MAP NO. M-10	SHEET 9	OF 19
-----------------------------------	-----------------------------	-------------------	-----------------

SCANNED BY
MESA REPRO



NOTES

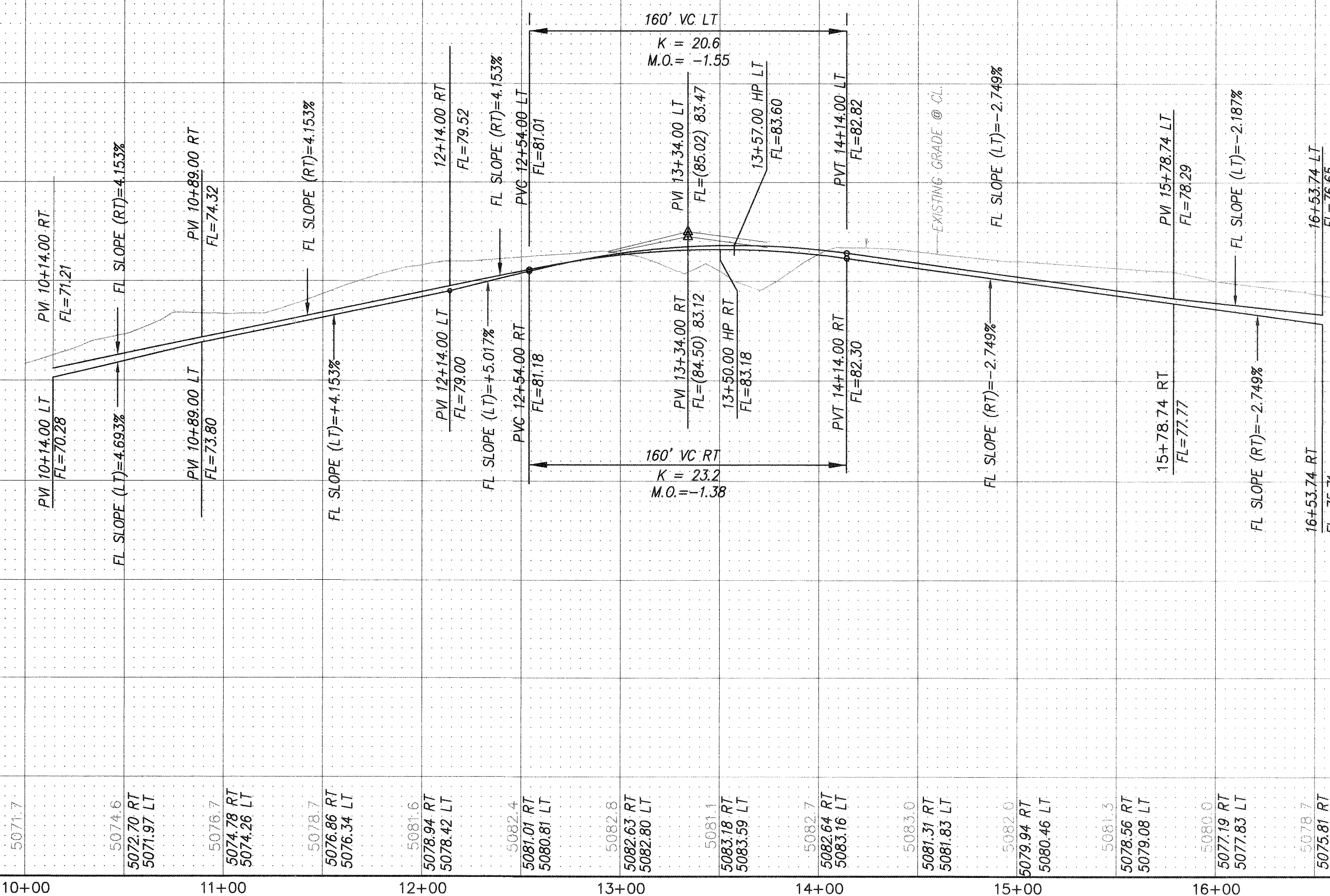
1. ALL STATIONING IS CENTERLINE STATIONING.

CURVE DATA - DESCRIBES CENTERLINE

① $\Delta = 180^\circ 00' 00''$ $R = 75.50'$ $T = 237.20'$ N/A
② $\Delta = 90^\circ 00' 00''$ $R = 75.50'$ $T = 75.50'$ $L = 118.60'$

CURVE DATA - DESCRIBES FACE OF CURB

④ $\Delta = 90^\circ 00' 43''$ $R = 25'$ $T = 25.01'$ $L = 39.28'$
⑤ $\Delta = 89^\circ 59' 17''$ $R = 25'$ $T = 24.99'$ $L = 39.26'$
⑥ $\Delta = 90^\circ 00' 43''$ $R = 25'$ $T = 25.01'$ $L = 39.28'$
⑦ $\Delta = 89^\circ 59' 17''$ $R = 25'$ $T = 24.99'$ $L = 39.26'$



RECORD DRAWING

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, Community Sciences Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer 9-12-02
Diane Hoelzer, P.E. NMPE 11967

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: **DESERT SAGE SUBDIVISION
REGAL MIST LOOP SW
PAVING IMPROVEMENTS**

DESIGN REVIEW COMMITTEE: *APPROVED*

CITY ENGINEER APPROVAL: *APPROVED*

LAST DESIGN UPDATE: *APPROVED*

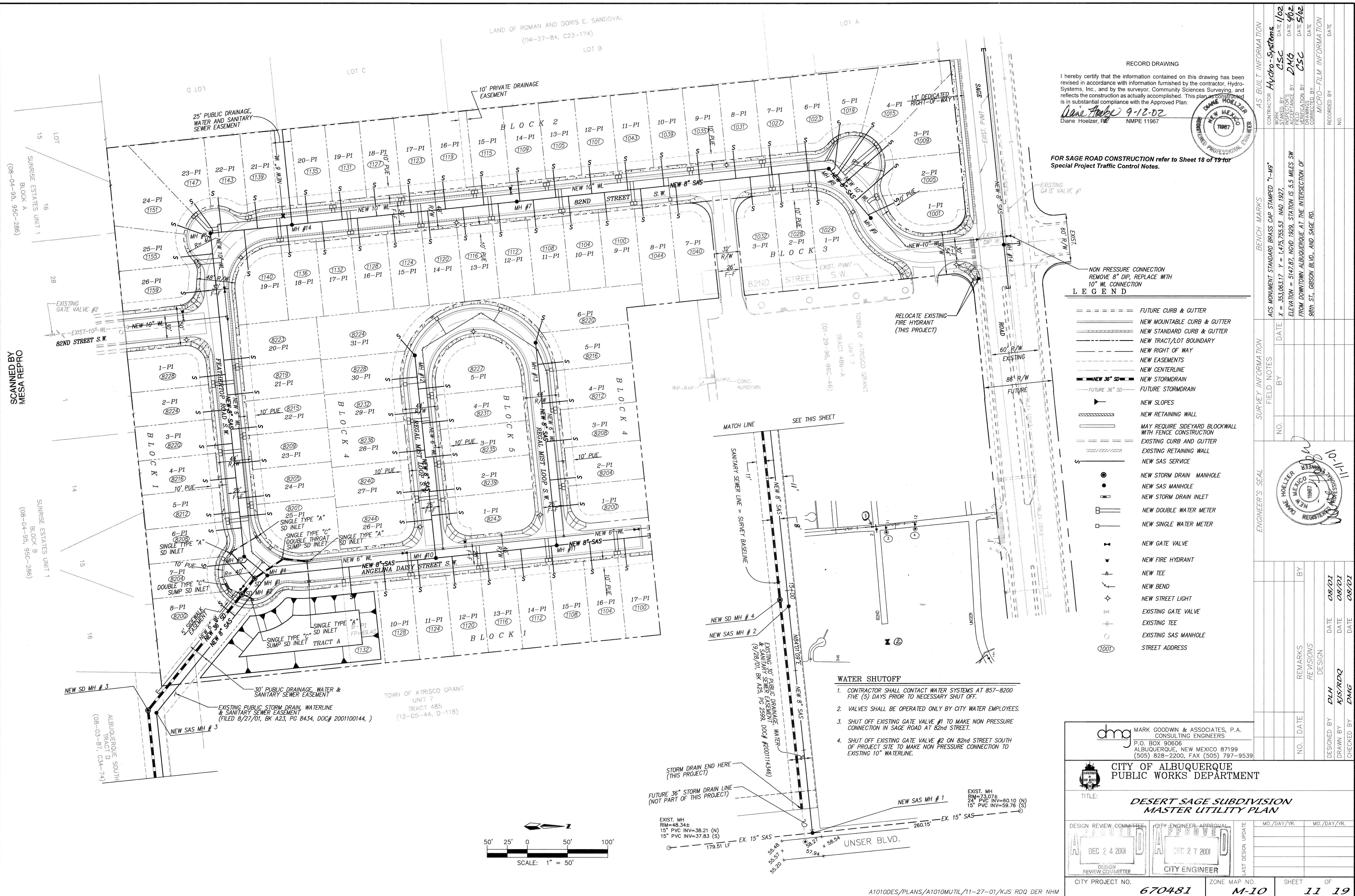
MO./DAY/YR. MO./DAY/YR.

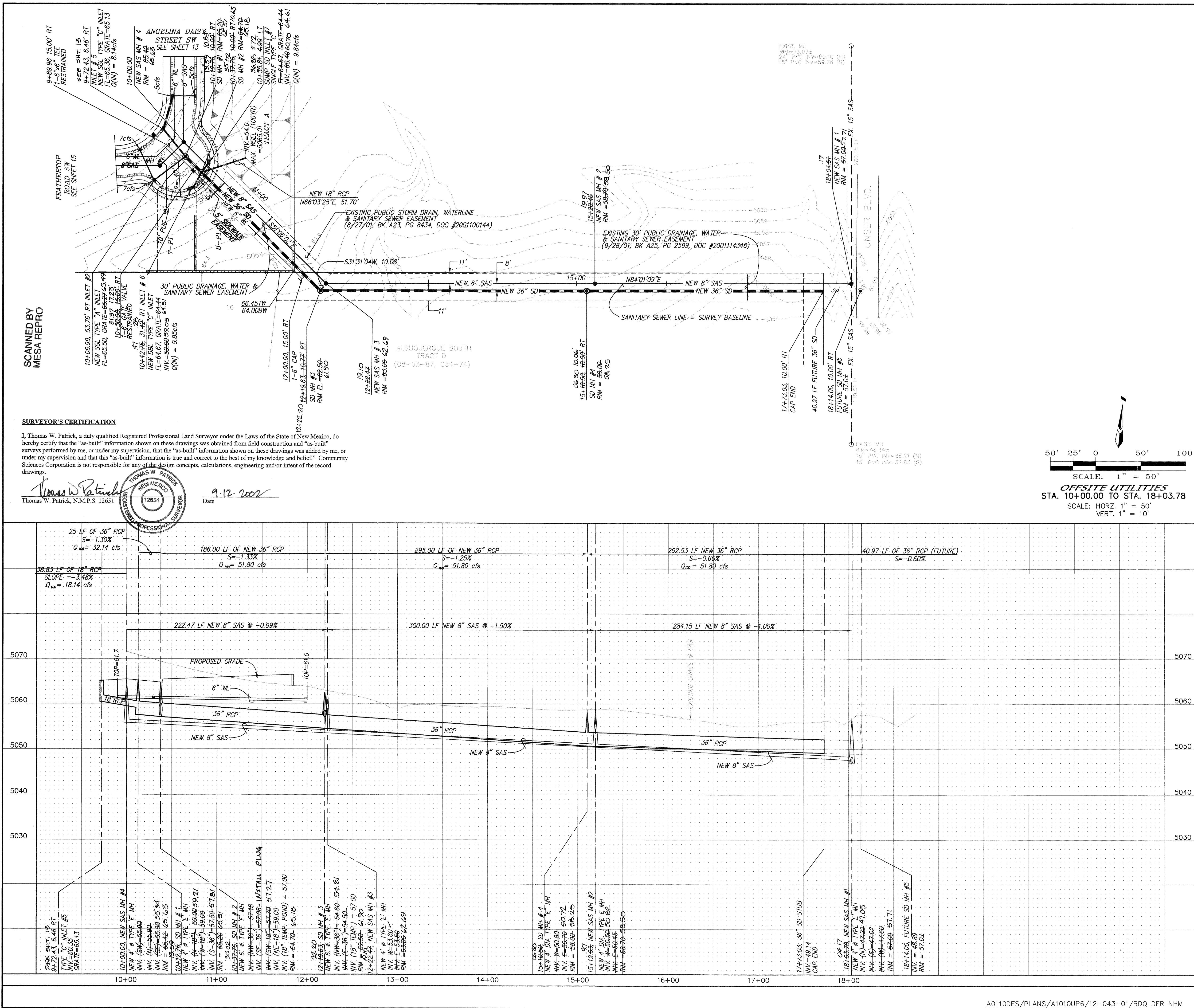
CITY PROJECT NO. **670481**

ZONE MAP NO. **M-10**

SHEET **10** OF **19**

SURVEY INFORMATION			ENGINEER'S SEAL		
NO.	BY	DATE	NO.	BY	DATE
1	DATE		1	DATE	
2	DATE		2	DATE	
3	DATE		3	DATE	
4	DATE		4	DATE	
5	DATE		5	DATE	
6	DATE		6	DATE	
7	DATE		7	DATE	
8	DATE		8	DATE	
9	DATE		9	DATE	
10	DATE		10	DATE	
11	DATE		11	DATE	
12	DATE		12	DATE	
13	DATE		13	DATE	
14	DATE		14	DATE	
15	DATE		15	DATE	
16	DATE		16	DATE	
17	DATE		17	DATE	
18	DATE		18	DATE	
19	DATE		19	DATE	
20	DATE		20	DATE	
21	DATE		21	DATE	
22	DATE		22	DATE	
23	DATE		23	DATE	
24	DATE		24	DATE	
25	DATE		25	DATE	
26	DATE		26	DATE	
27	DATE		27	DATE	
28	DATE		28	DATE	
29	DATE		29	DATE	
30	DATE		30	DATE	
31	DATE		31	DATE	
32	DATE		32	DATE	
33	DATE		33	DATE	
34	DATE		34	DATE	
35	DATE		35	DATE	
36	DATE		36	DATE	
37	DATE		37	DATE	
38	DATE		38	DATE	
39	DATE		39	DATE	
40	DATE		40	DATE	
41	DATE		41	DATE	
42	DATE		42	DATE	
43	DATE		43	DATE	
44	DATE		44	DATE	
45	DATE		45	DATE	
46	DATE		46	DATE	
47	DATE		47	DATE	
48	DATE		48	DATE	
49	DATE		49	DATE	
50	DATE		50	DATE	
51	DATE		51	DATE	
52	DATE		52	DATE	
53	DATE		53	DATE	
54	DATE		54	DATE	
55	DATE		55	DATE	
56	DATE		56	DATE	
57	DATE		57	DATE	
58	DATE		58	DATE	
59	DATE		59	DATE	
60	DATE		60	DATE	
61	DATE		61	DATE	
62	DATE		62	DATE	
63	DATE		63	DATE	
64	DATE		64	DATE	
65	DATE		65	DATE	
66	DATE		66	DATE	
67	DATE		67	DATE	
68	DATE		68	DATE	
69	DATE		69	DATE	
70	DATE		70	DATE	
71	DATE		71	DATE	
72	DATE		72	DATE	
73	DATE		73	DATE	
74	DATE		74	DATE	
75	DATE		75	DATE	
76	DATE		76	DATE	
77	DATE		77	DATE	
78	DATE		78	DATE	
79	DATE		79	DATE	
80	DATE		80	DATE	
81	DATE		81	DATE	
82	DATE		82	DATE	
83	DATE		83	DATE	
84	DATE		84	DATE	
85	DATE		85	DATE	
86	DATE		86	DATE	
87	DATE		87	DATE	
88	DATE		88	DATE	
89	DATE		89	DATE	
90	DATE		90	DATE	
91	DATE		91	DATE	
92	DATE		92	DATE	
93	DATE		93	DATE	
94	DATE		94	DATE	
95	DATE		95	DATE	
96	DATE		96	DATE	
97	DATE		97	DATE	
98	DATE		98	DATE	
99	DATE		99	DATE	
100	DATE		100	DATE	





NOTES
1. ALL STATIONING IS CENTERLINE STATIONING.

AS BUILT INFORMATION	
CONTRACTOR	Hydro-Systems
WORK	CSC
DATE	10/2
STATION	10+00 TO 18+00
DATE	10/2
STATION	10+00 TO 18+00
DATE	10/2
STATION	10+00 TO 18+00
DATE	10/2

BENCH MARKS	
ACS MONUMENT STANDARD BRASS CAP STAMPED "1-M9"	
X = 353,063.17 Y = 1,475,756.53	NAD 1983
ELEVATION = 5147.87	NGVD 1989
STATION IS 5.5 MILES SW	
FROM DOWNTOWN ALBUQUERQUE AT THE INTERSECTION OF	
98th ST., GIBSON BLVD., AND SAGE RD.	

SURVEY INFORMATION	
FIELD NOTES	
NO.	
DATE	
BY	

ENGINEER'S SEAL	
DATE	10-11-11
BY	
REMARKS	
REVISIONS	
DESIGN	
DATE	08/01
DATE	08/01
DATE	08/01

RECORD DRAWING
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, Community Sciences Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.
Diane Hoelzer, PE NMPE 11967
9-12-02

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TITLE: DESERT SAGE SUBDIVISION
OFFSITE UTILITIES
UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE
CITY ENGINEER
CITY PROJECT NO. 670481
ZONE MAP NO. M-10
SHEET 12 OF 19

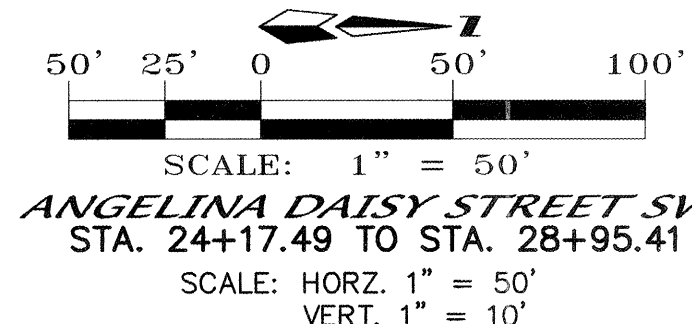
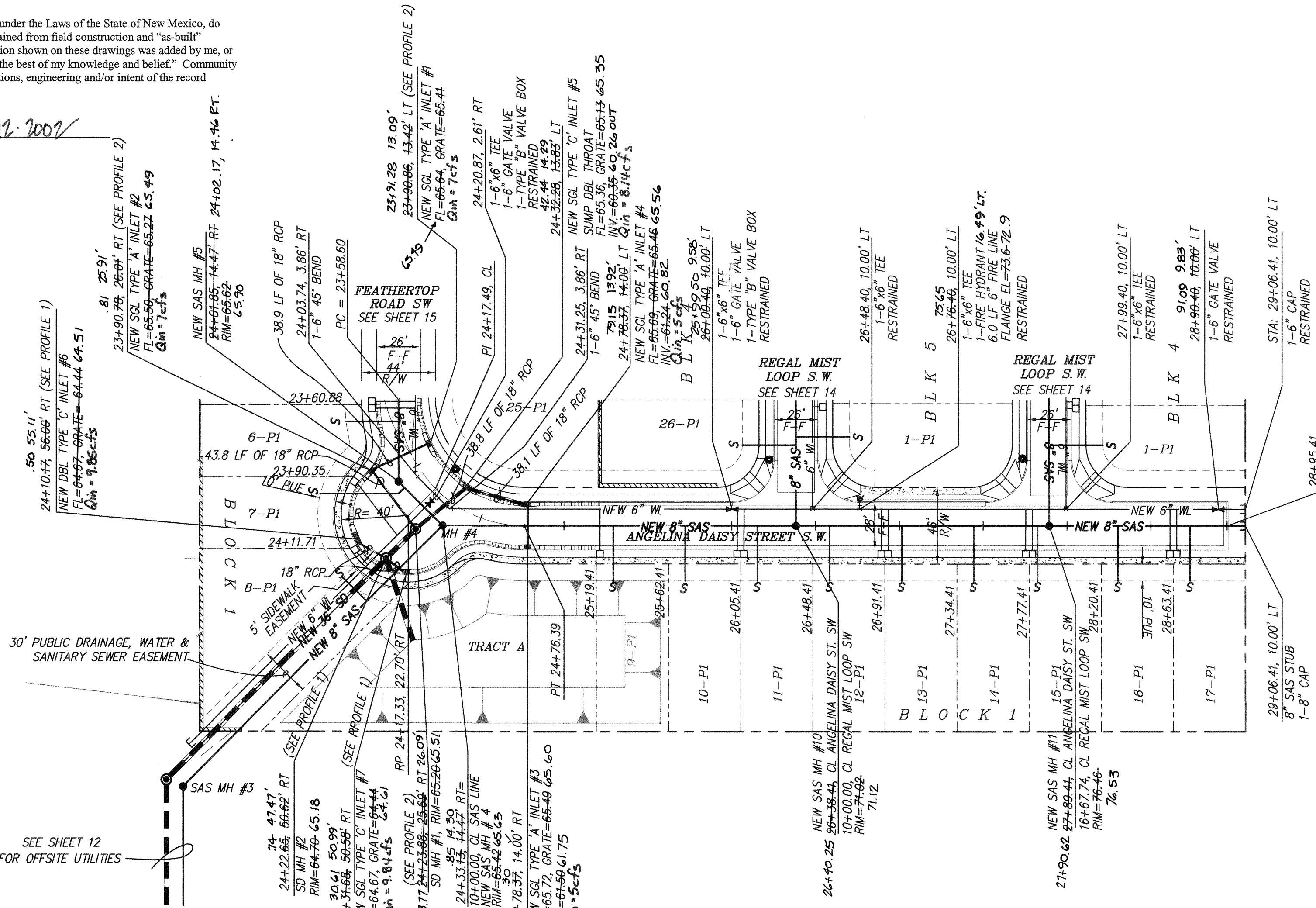
DESIGN REVIEW COMMITTEE
CITY ENGINEER
CITY PROJECT NO. 670481
ZONE MAP NO. M-10
SHEET 12 OF 19

SURVEYOR'S CERTIFICATION

I, Thomas W. Patrick, a duly qualified Registered Professional Land Surveyor under the Laws of the State of New Mexico, do hereby certify that the "as-built" information shown on these drawings was obtained from field construction and "as-built" surveys performed by me, or under my supervision, that the "as-built" information shown on these drawings was added by me, or under my supervision and that this "as-built" information is true and correct to the best of my knowledge and belief. Community Sciences Corporation is not responsible for any of the design concepts, calculations, engineering and/or intent of the record drawings.

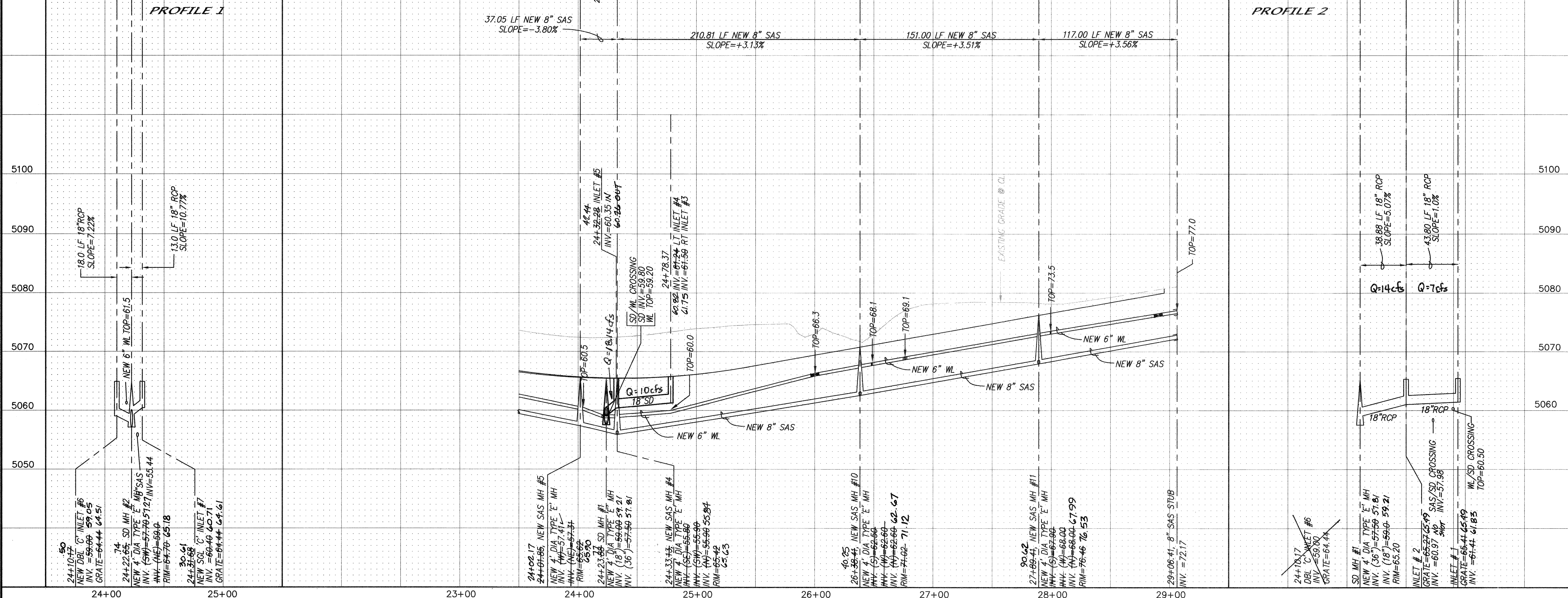
Thomas W. Patrick, N.M.P.S. 12651
 9-12-2002
 Date

SCANNED BY
 MESA REPRO



PROFILE 1

PROFILE 2



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

SANITARY SEWER SERVICES				
BLOCK	LOT	STATION AT PL	INV. ELEV. AT PUE	LENGTH AT PUE
1	6-P1	23+67.69	61.01	31.33'
1	7-P1	23+90.93	60.63	51.74'
1	8-P1	10+64.10	55.95	20.00'
1	9-P1	25+29.41	61.80	33.00'
1	10-P1	26+15.41	64.85	33.00'
1	11-P1	26+58.41	66.39	33.00'
1	12-P1	27+01.41	67.94	33.00'
1	13-P1	27+44.41	69.49	33.00'
1	14-P1	27+82.41	70.85	33.00'
1	15-P1	28+30.41	72.58	33.00'
1	16-P1	28+73.41	74.28	33.00'

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	3'	2'	46'
10"	26'	11'	5'	3'	72'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTHS FOR REDUCERS (FT.)

PIPE SIZE	LARGE SIDE	SMALL SIDE
10" X 6"	44'	-
10" X 8"	24'	-

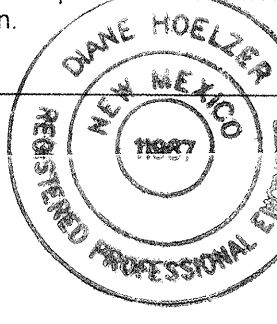
RESTRAINED JOINT LENGTH FOR TEES (FT.)

PIPE SIZE	RUN	BRANCH
10"x10"x6"	6'	1'
6"x6"x6"	10'	2'

RECORD DRAWING

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, Community Sciences Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer 9-12-02
 Diane Hoelzer, PE NMPE 11967



dmg MARK GOODWIN & ASSOCIATES, P.A.
 CONSULTING ENGINEERS
 P.O. BOX 90606
 ALBUQUERQUE, NEW MEXICO 87199
 (505) 828-2200, FAX (505) 797-9539

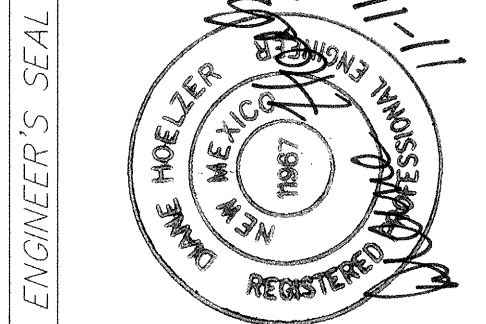
CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT

TITLE: DESERT SAGE SUBDIVISION
 ANGELINA DAISY STREET SW
 UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE: [] CITY ENGINEER APPROVAL: []
 LAST DESIGN UPDATE: [] MO./DAY/YR. [] MO./DAY/YR. []

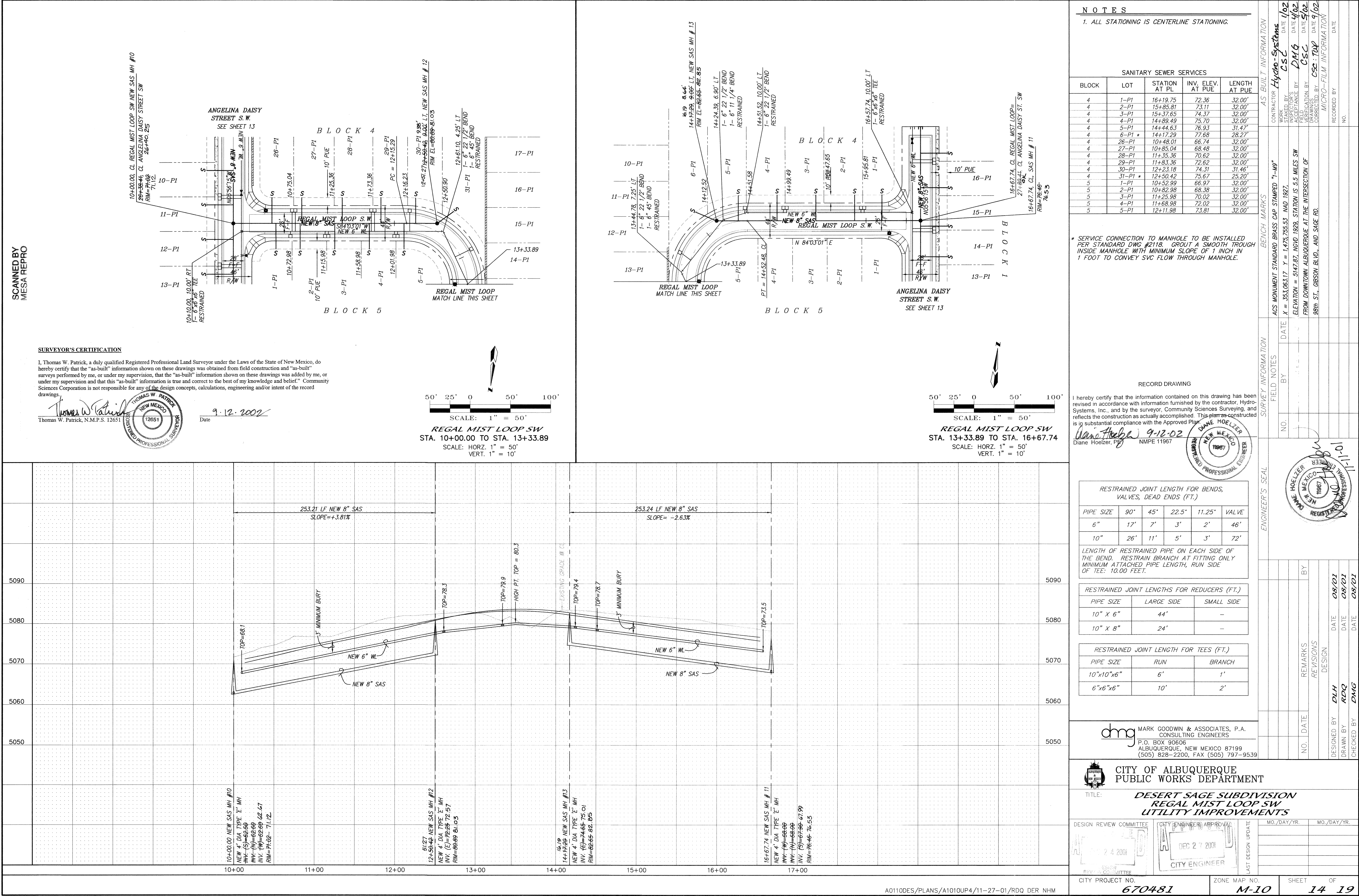
CITY PROJECT NO. 670481 ZONE MAP NO. M-10 SHEET 13 OF 19

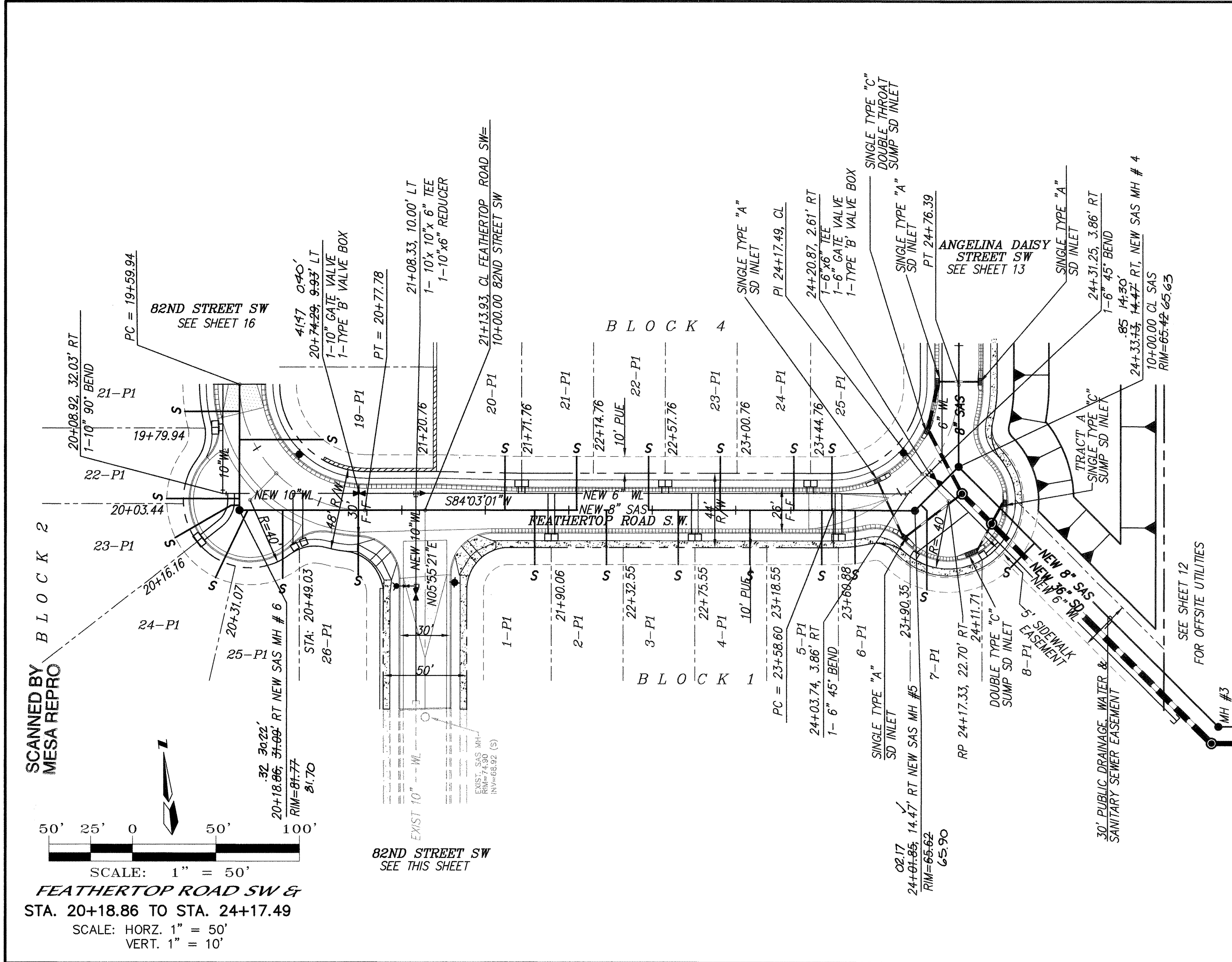
CONTRACTOR: Hydro-Systems
 WORK: [] DATE: 10/02
 STAMPED BY: [] DATE: 10/02
 ACCEPTANCE BY: [] DATE: 10/02
 FIELD ACTION BY: [] DATE: 10/02
 DRAWINGS: [] DATE: 10/02
 CORRECTED BY: [] DATE: 10/02
 MICRO-FILM INFORMATION: [] DATE: []
 NO. []



REVISIONS
 NO. DATE DLH RDQ DMG
 08/01
 08/01
 08/01

DESIGNED BY: DLH
 DRAWN BY: RDQ
 CHECKED BY: DMG

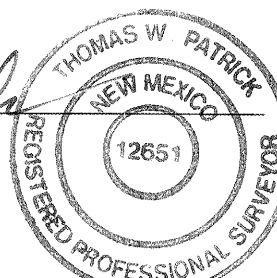




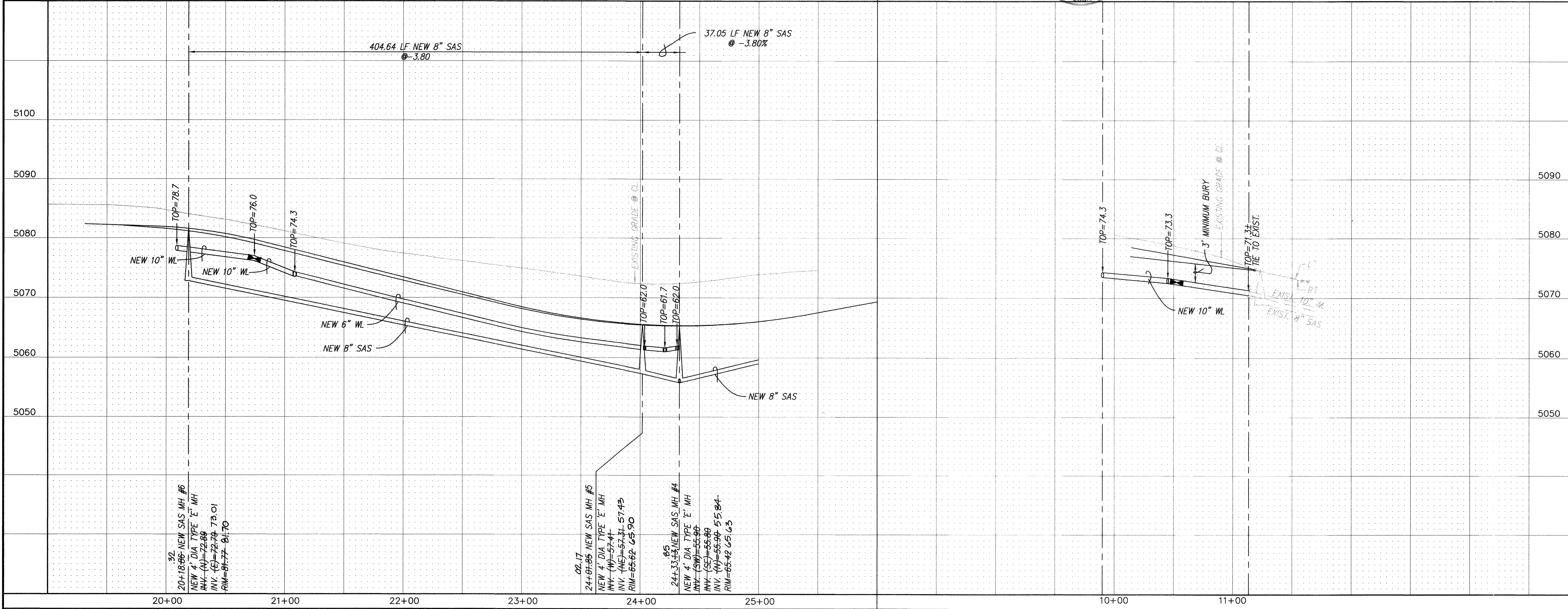
SURVEYOR'S CERTIFICATION

I, Thomas W. Patrick, a duly qualified Registered Professional Land Surveyor under the Laws of the State of New Mexico, do hereby certify that the "as-built" information shown on these drawings was obtained from field construction and "as-built" surveys performed by me, or under my supervision, that the "as-built" information shown on these drawings was added by me, or under my supervision and that this "as-built" information is true and correct to the best of my knowledge and belief. Community Sciences Corporation is not responsible for any of the design concepts, calculations, engineering and/or intent of the record drawings.

Thomas W. Patrick, N.M.P.S. 12651



Date 9-12-2002



20+00 21+00 22+00 23+00 24+00 25+00 10+00 11+00

NOTES

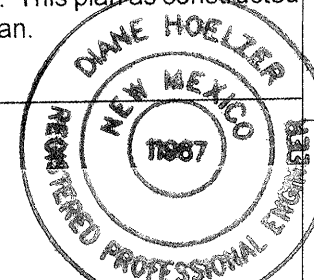
1. ALL STATIONING IS CENTERLINE STATIONING.

SANITARY SEWER SERVICES				
BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
1	1-P1	21+79.55	68.72	32.00'
1	2-P1	22+22.55	66.68	32.00'
1	3-P1	22+65.55	64.64	32.00'
1	4-P1	23+08.55	62.73	32.00'
1	5-P1	23+51.55	61.38	32.00'
1	6-P1	23+67.69	61.01	31.33'
1	7-P1	23+90.93	60.63	51.74'
1	8-P1	10+64.10	55.95	20.00'
2	21-P1	19+17.08	77.03	32.80'
2	22-P1	19+19.02	77.45	43.63'
2	23-P1	20+10.69	76.34	38.49'
2	24-P1	20+21.44	76.06	43.92'
2	25-P1	20+47.49	75.18	39.95'
2	26-P1	20+75.21	73.94	37.94'
4	19-P1	20+29.18	75.81	50.03'
4	20-P1	21+61.76	69.61	32.00'
4	21-P1	22+04.76	67.53	32.00'
4	22-P1	22+47.76	65.49	32.00'
4	23-P1	22+90.76	63.47	32.00'
4	24-P1	23+34.76	61.87	32.00'
4	25-P1	23+57.60	61.23	32.00'

RECORD DRAWING

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, Community Sciences Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Diane Hoelzer, P.E. 9-12-02 NMPE 11957



RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)				
PIPE SIZE	90°	45°	22.5°	VALVE
6"	17'	7'	3'	46'
10"	26'	11'	5'	72'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.		
PIPE SIZE	LARGE SIDE	SMALL SIDE
10" X 6"	44'	-
10" X 8"	24'	-

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
10"x10"x6"	6'	1'
10"x10"x10"	15'	5'
6"x6"x6"	10'	2'

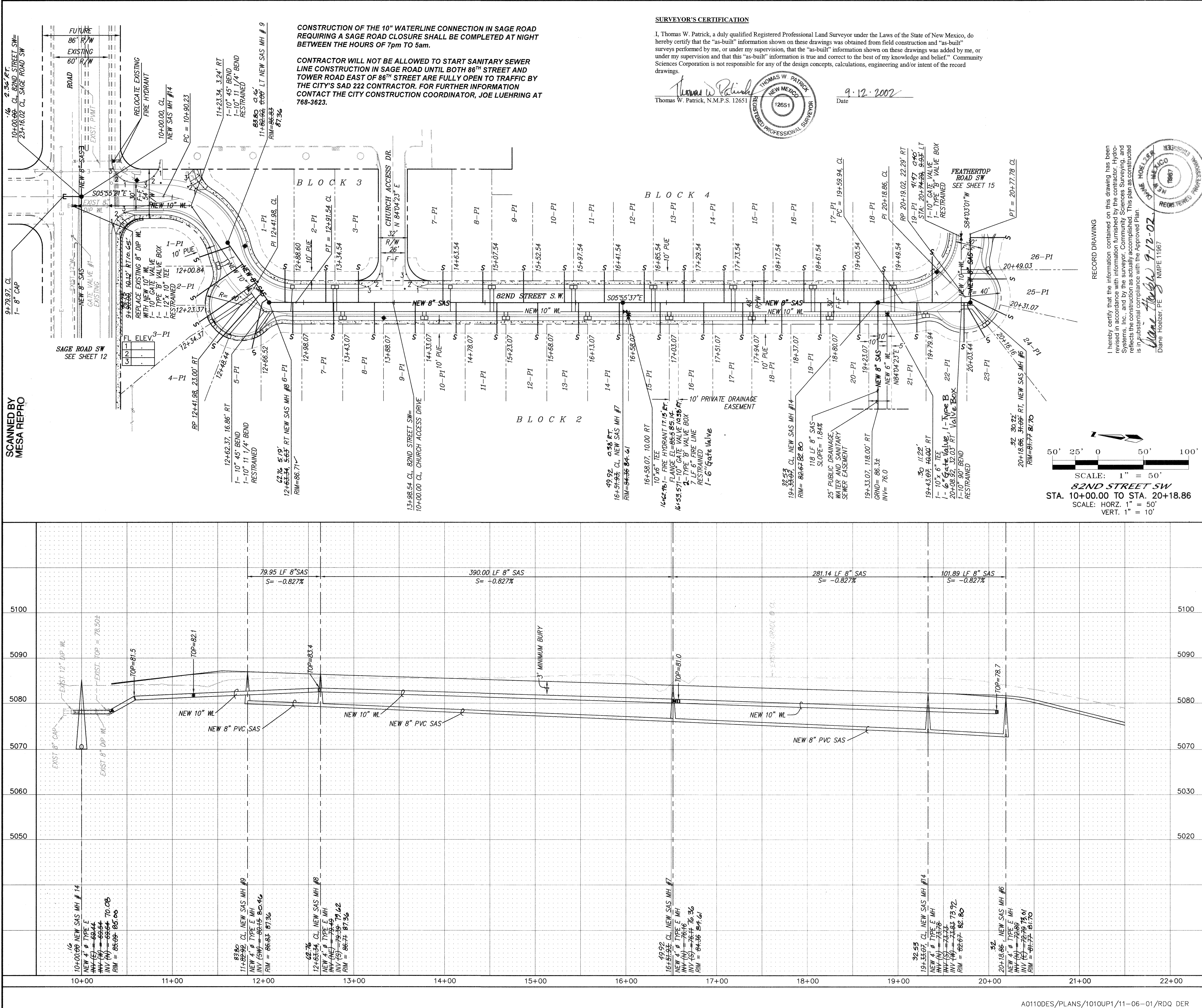
dmg MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

TITLE: **DESERT SAGE SUBDIVISION
FEATHERTOP ROAD SW & 82ND STREET SW
UTILITY IMPROVEMENTS**

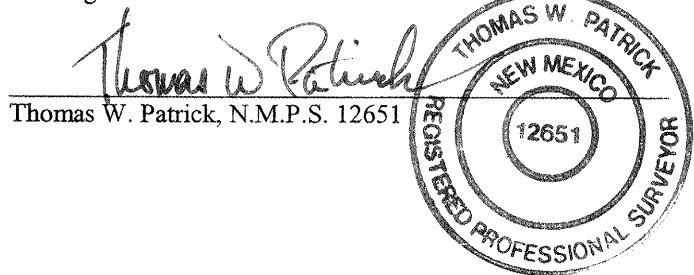
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	DATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED DEC 2 4 2001	APPROVED DEC 2 7 2001			
DESIGN REVIEW COMMITTEE	CITY ENGINEER			

CITY PROJECT NO. **670481** ZONE MAP NO. **M-10** SHEET **15** OF **19**



SURVEYOR'S CERTIFICATION

I, Thomas W. Patrick, a duly qualified Registered Professional Land Surveyor under the Laws of the State of New Mexico, do hereby certify that the "as-built" information shown on these drawings was obtained from field construction and "as-built" surveys performed by me, or under my supervision, that the "as-built" information shown on these drawings was added by me, or under my supervision and that this "as-built" information is true and correct to the best of my knowledge and belief. Community Systems Corporation is not responsible for any of the design concepts, calculations, engineering and/or intent of the record drawings.



Date 9.12.2002

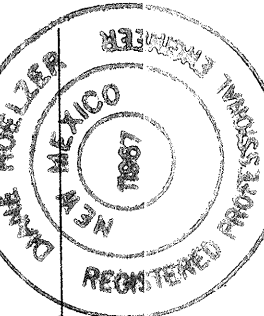
NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

SANITARY SEWER SERVICES

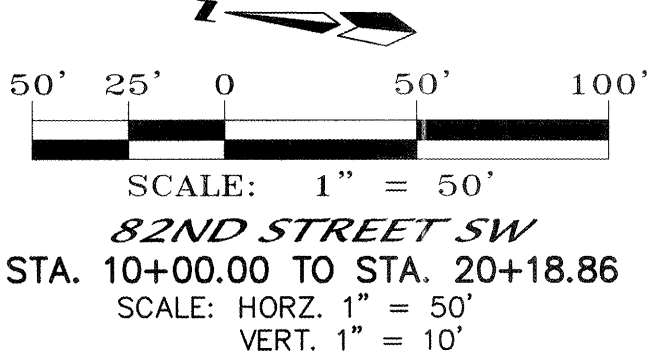
BLOCK	LOT	STATION AT PL	INV. ELEV. AT PUE	LENGTH AT PUE
2	1-P1	11+82.92	81.82	34.58'
2	2-P1	12+15.49	81.60	61.40'
2	3-P1	12+29.01	81.50	75.28'
2	4-P1	12+44.44	81.39	69.47'
2	5-P1	12+64.00	81.26	58.36'
2	6-P1	12+89.15	81.08	34.00'
2	7-P1	13+33.07	80.82	34.00'
2	8-P1	13+78.07	80.55	34.00'
2	9-P1	14+23.07	80.28	34.00'
2	10-P1	14+68.07	80.01	34.00'
2	11-P1	15+13.07	79.99	34.00'
2	12-P1	15+58.07	79.62	34.00'
2	13-P1	16+03.07	79.35	34.00'
2	14-P1	16+48.07	79.08	34.00'
2	15-P1	16+93.06	78.83	34.00'
2	16-P1	17+41.07	78.52	34.00'
2	17-P1	17+84.07	78.26	34.00'
2	18-P1	18+27.07	78.01	34.00'
2	19-P1	18+70.07	77.75	34.00'
2	20-P1	19+13.08	77.49	34.00'
2	21-P1	19+56.08	77.23	32.80'
2	22-P1	19+99.02	77.45	43.63'
2	23-P1	20+10.89	76.34	38.49'
2	24-P1	20+21.44	76.06	43.92'
2	25-P1	20+47.49	75.18	39.95'
2	26-P1	20+75.21	73.94	37.94'
3	1-P1	12+69.27	81.22	35.79'
3	2-P1	13+24.54	80.87	34.00'
3	3-P1	13+60.54	80.65	34.00'
4	7-P1	14+53.54	80.10	34.00'
4	8-P1	14+97.54	79.98	34.00'
4	9-P1	15+42.54	79.71	34.00'
4	10-P1	15+87.54	79.44	34.00'
4	11-P1	16+31.54	79.18	34.00'
4	12-P1	16+75.54	78.91	34.00'
4	13-P1	17+19.54	78.65	34.00'
4	14-P1	17+63.54	78.39	34.00'
4	15-P1	18+07.54	78.12	34.00'
4	16-P1	18+51.54	77.86	34.00'
4	17-P1	18+95.54	77.59	34.00'
4	18-P1	19+39.54	77.33	34.00'
4	19-P1	20+29.18	75.81	50.03'

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydrant Systems, Inc., and by the surveyor, Thomas W. Patrick, N.M.P.S. 12651. This plan is in substantial compliance with the Approved Plan.



RECORD DRAWING

Walter Hoelzer 9-12-02 NMPE 11967



RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	3'	2'	46'
10"	26'	11'	5'	3'	72'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTHS FOR REDUCERS (FT.)

PIPE SIZE	LARGE SIDE	SMALL SIDE
10" X 6"	44'	-
10" X 8"	24'	-

RESTRAINED JOINT LENGTH FOR TEES (FT.)

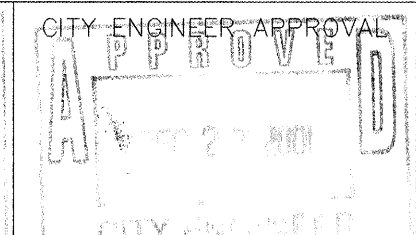
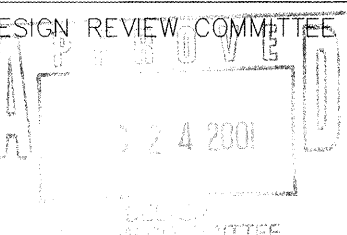
PIPE SIZE	RUN	BRANCH
10"x10"x6"	6'	1'
6"x6"x6"	10'	2'
12"x12"x10"	13'	1'

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539



**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

**TITLE: DESERT SAGE SUBDIVISION
82ND STREET SW
UTILITY IMPROVEMENTS**



MO./DAY/YR.	MO./DAY/YR.
10/10/01	10/10/01

CITY PROJECT NO. **670481** ZONE MAP NO. **M-10** SHEET **16** OF **19**

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.
2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.
3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.
4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.
6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.
8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.
9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.
10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.
11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.
12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.
13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.
18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
19. 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.
20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

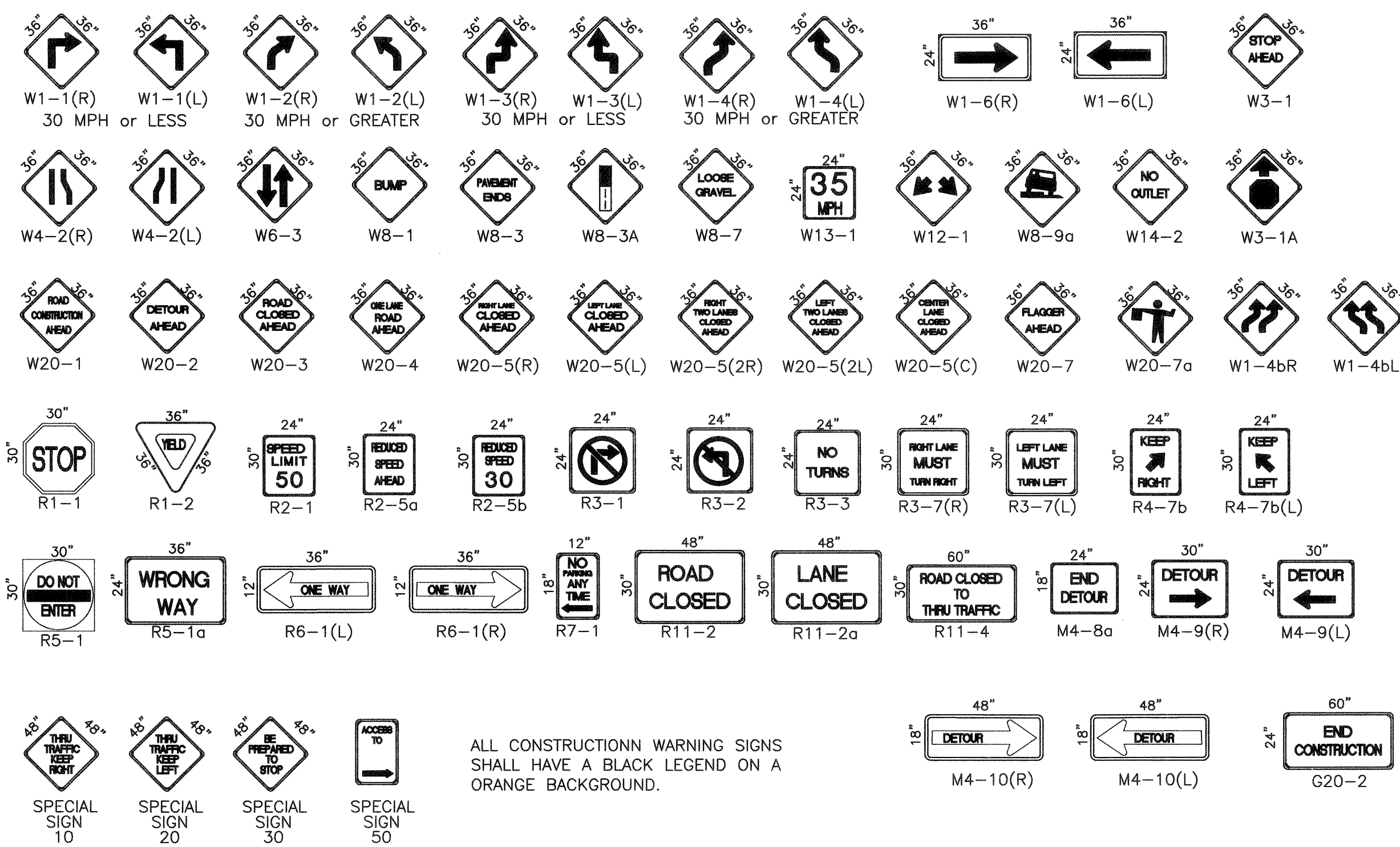
21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
- STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 - THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
 - 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.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.

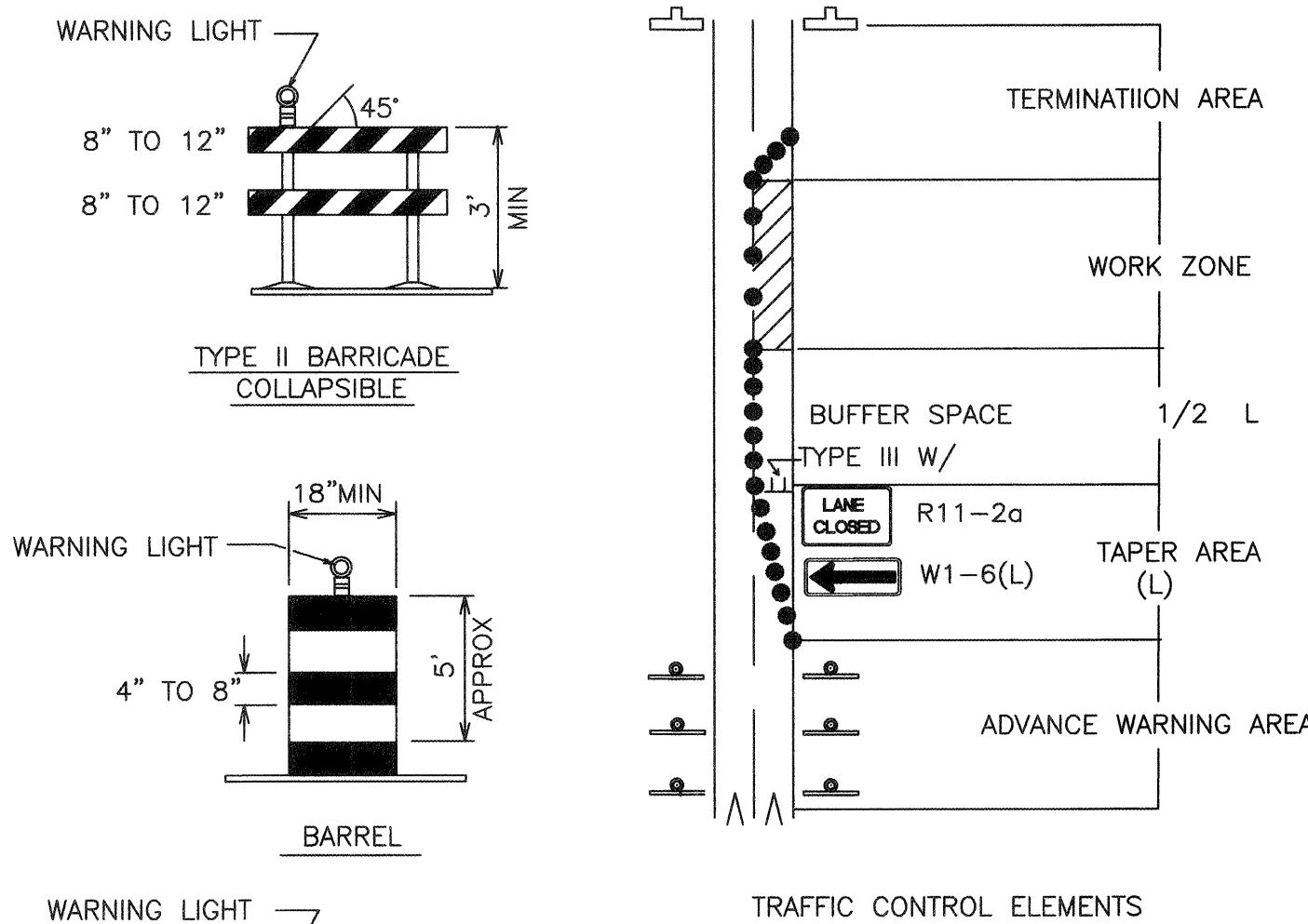
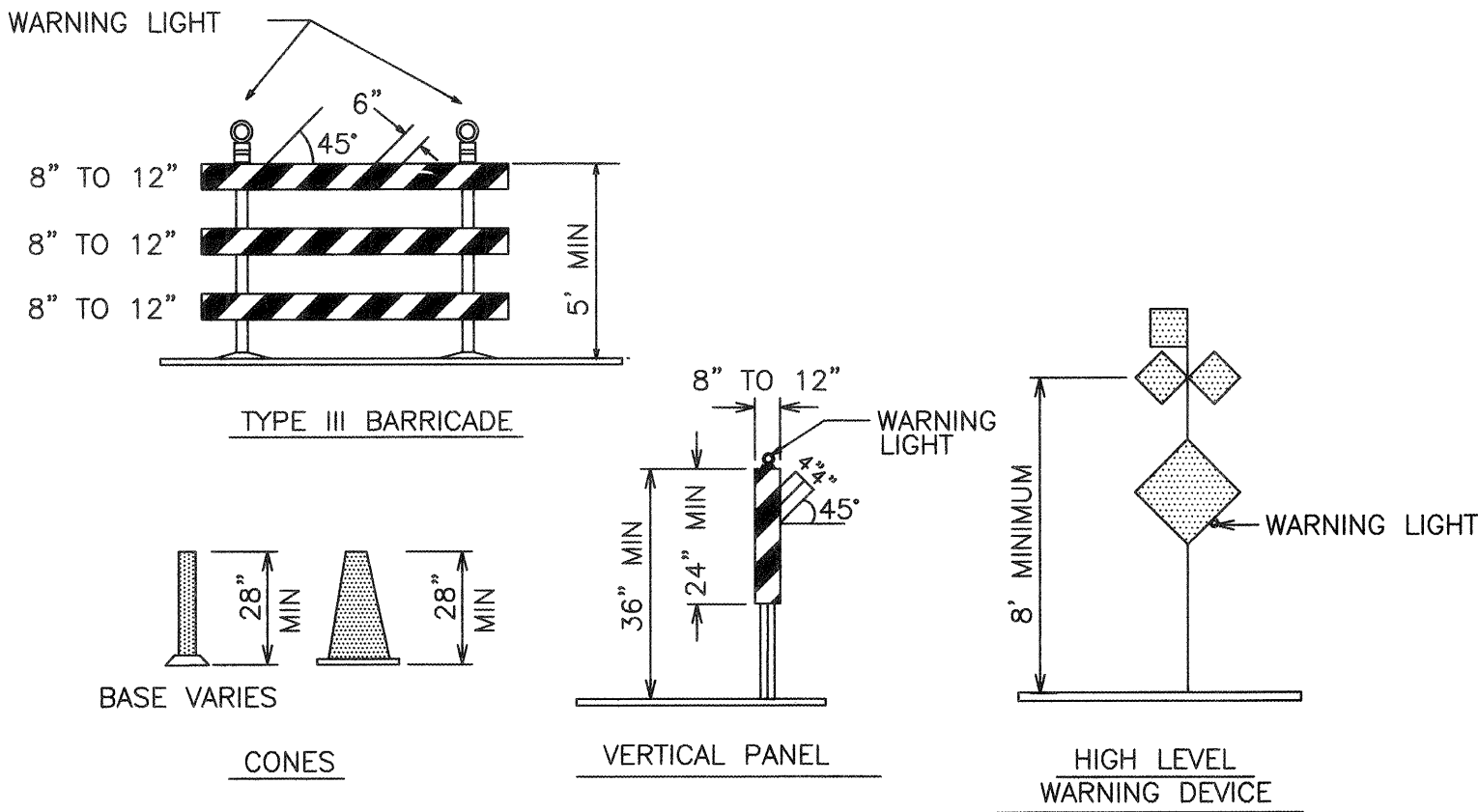
SPECIAL PROJECT TRAFFIC CONTROL NOTES
DESERT SAGE SUBDIVISION

1. **ANY BARRICADING AND LANE CLOSURES ON SAGE ROAD ARE SUBJECT TO ARTERIAL / COLLECTOR ROAD USAGE FEES OF \$0.01 PER SQUARE FOOT OF BARRICADING AREA PER DAY.**
2. **CONTRACTOR MUST MAINTAIN ONE PAVED LANE IN EACH DIRECTION ON SAGE ROAD AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE CITY CONSTRUCTION COORDINATOR (JOE LUEHRING 768-3623), WITH THE FOLLOWING EXCEPTION:**
- CONSTRUCTION OF THE 10" WATERLINE CONNECTION IN SAGE ROAD REQUIRING A SAGE ROAD CLOSURE SHALL BE COMPLETED AT NIGHT BETWEEN THE HOURS OF 7pm To 5am.**
3. **CONTRACTOR WILL NOT BE ALLOWED TO START SANITARY SEWER LINE CONSTRUCTION IN SAGE ROAD UNTIL BOTH 86TH STREET AND TOWER ROAD EAST OF 86TH STREET ARE FULLY OPEN TO TRAFFIC BY THE CITY'S SAD 222 CONTRACTOR. FOR FURTHER INFORMATION CONTACT THE CITY CONSTRUCTION COORDINATOR, JOE LUEHRING AT 768-3623.**
4. **ALL WORK IN SAGE ROAD REQUIRING TRAFFIC LANE REDUCTIONS WILL BE PERFORMED CONTINUOUSLY, 24 HOURS PER DAY UNTIL ALL LANES ARE OPENED TO TRAFFIC.**

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.



LEGEND

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

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

TAPER REQUIREMENT

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

RECOMMENDED SIGN SPACING(D) FOR
ADVANCE WARNING SIGN SERIES

SPEED MILES PER HOUR	MINIMUM DISTANCE BETWEEN SIGNS	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

TAPER CRITERIA

TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

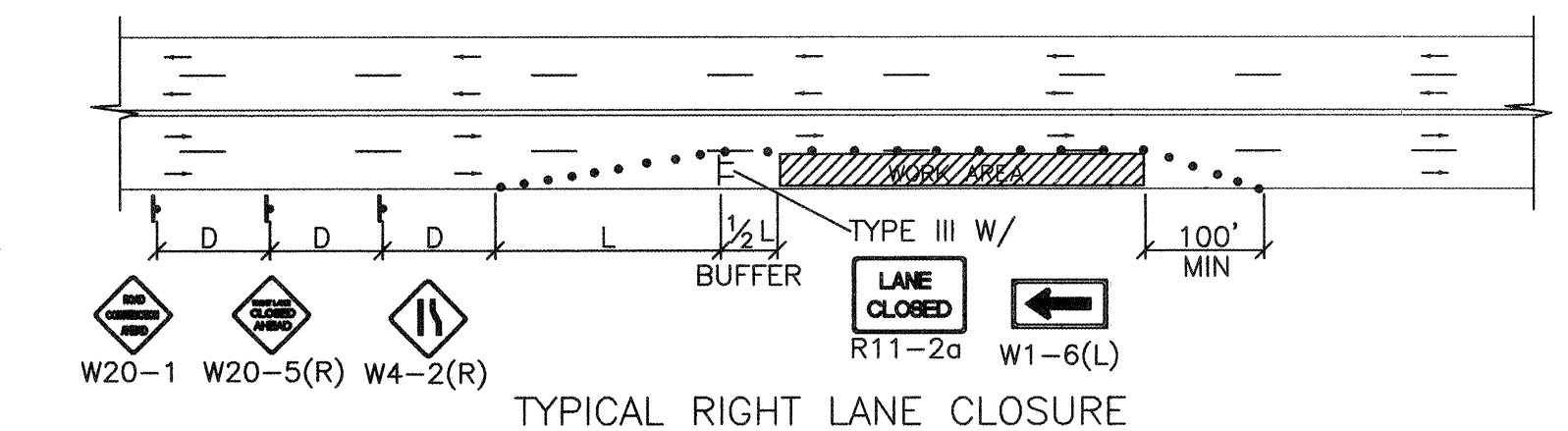
SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
40 MPH OR GREATER	$L = W \times S$

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

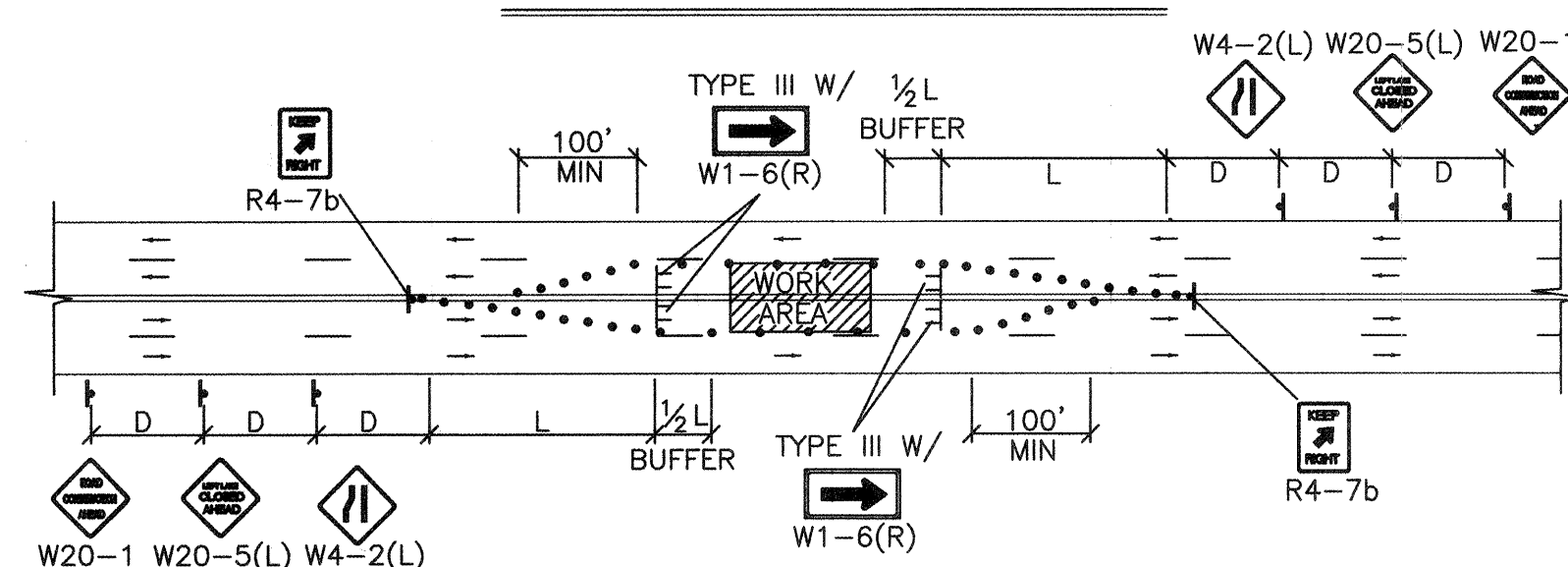
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **DESERT SAGE SUBDIVISION
SIGNING AND CONSTRUCTION TRAFFIC
CONTROL STANDARDS**

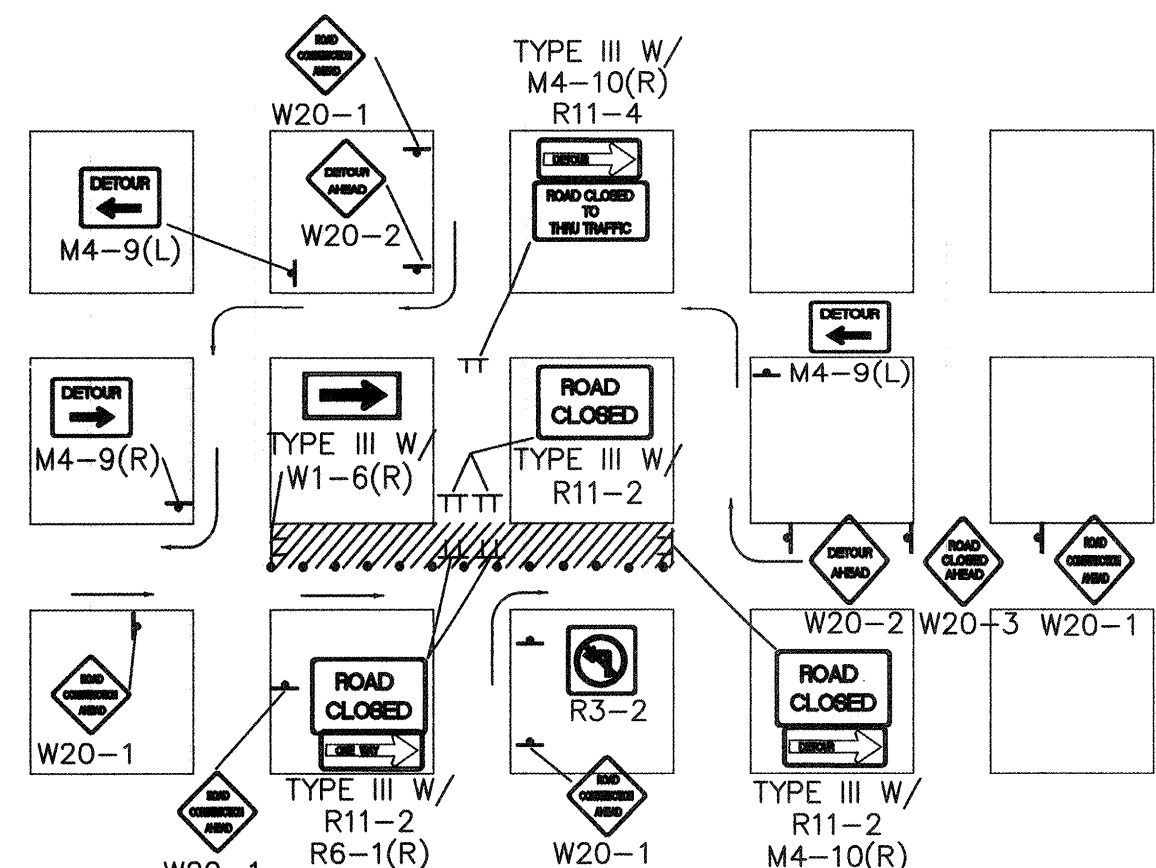
DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL		LAST DESIGN UPDATE	MO./DAY/YR.	
C.O.A. STANDARD		C.O.A. STANDARD				
CITY PROJECT NO.		ZONE MAP NO.		SHEET OF		
670481		M10		18 19		



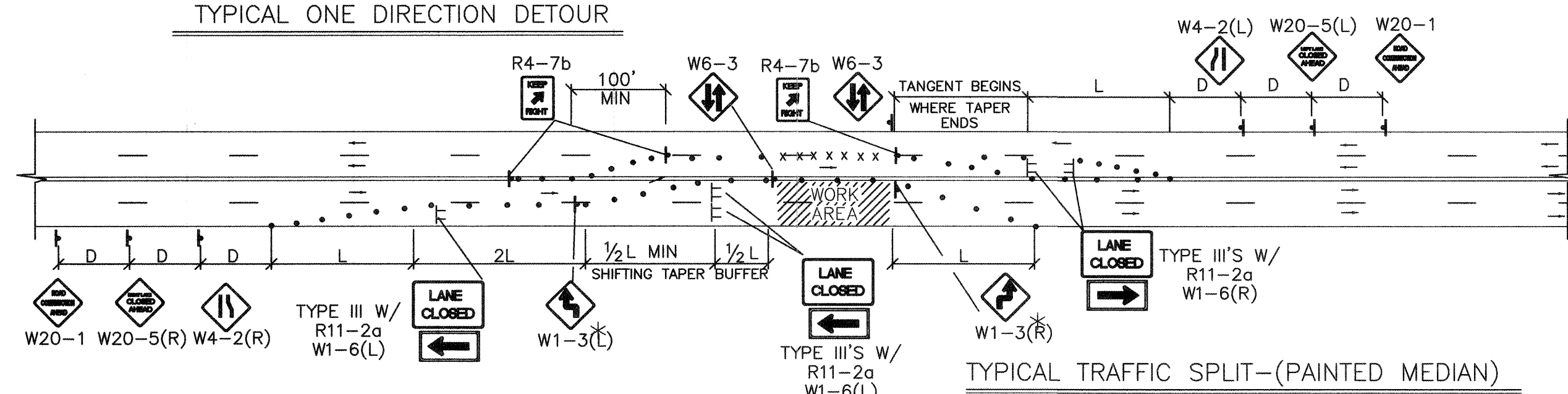
TYPICAL RIGHT LANE CLOSURE



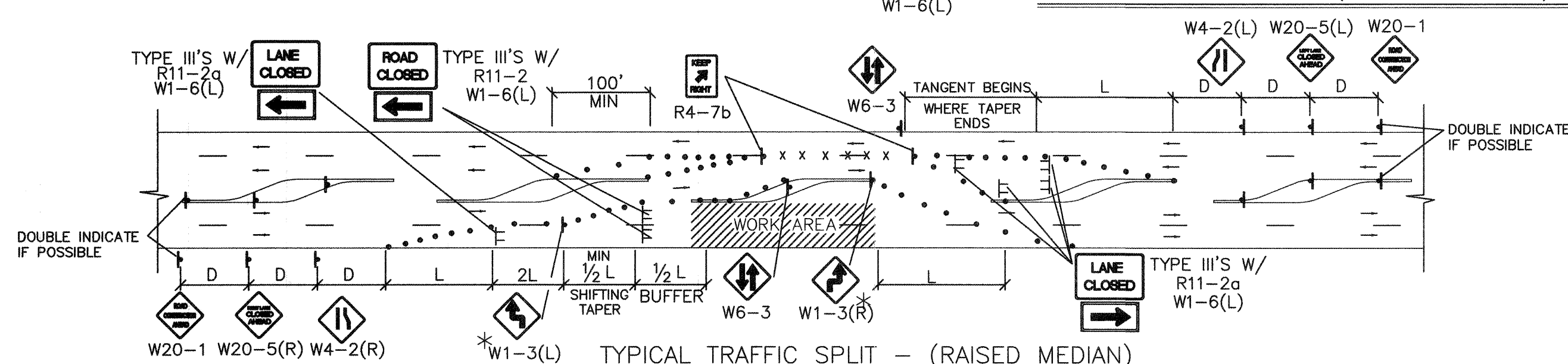
TYPICAL LEFT LANE CLOSURE



TYPICAL ONE DIRECTION DETOUR

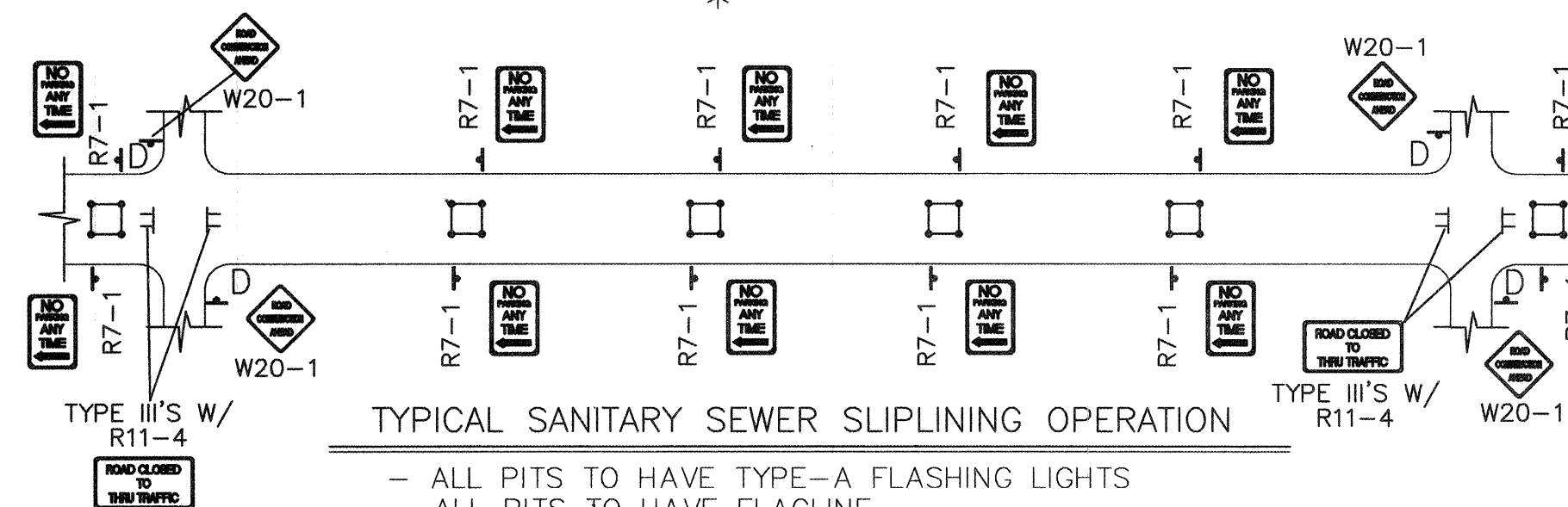


TYPICAL TRAFFIC SPLIT—(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT – (RAISED MEDIAN)

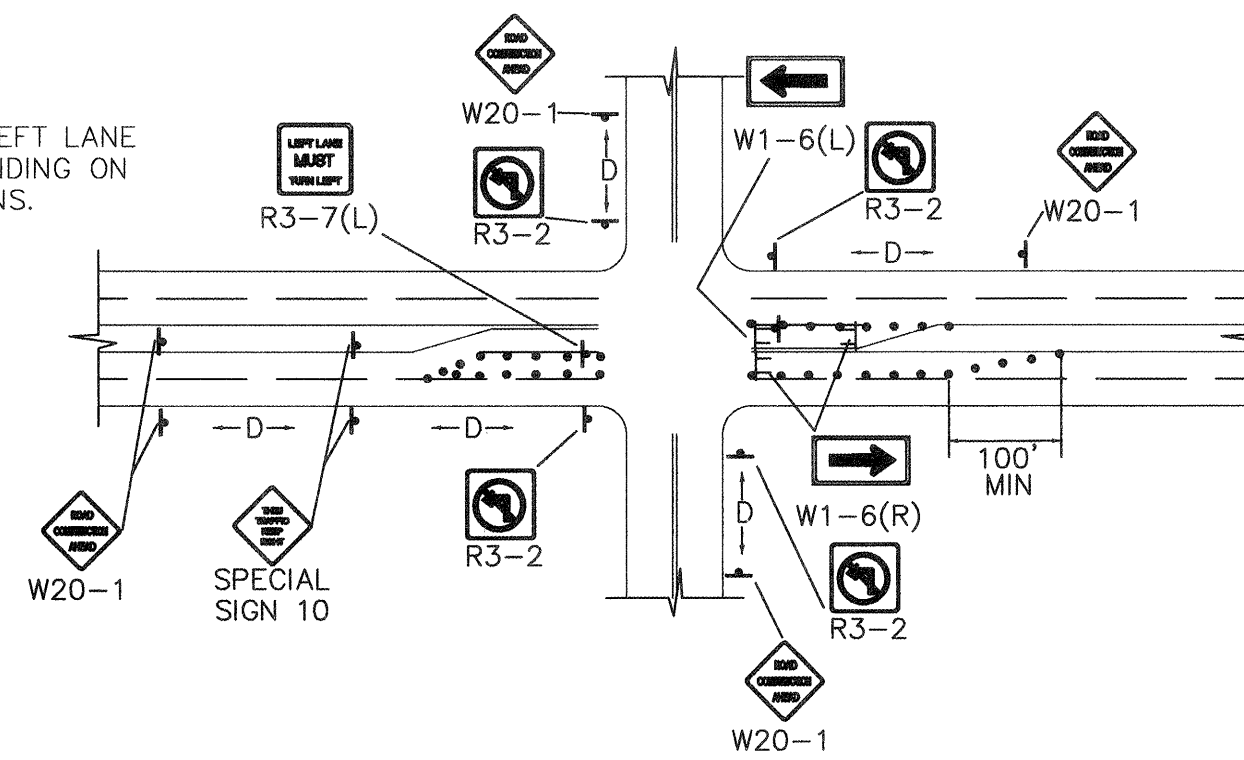
- TRAFFIC SPLIT NOTES:**
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
 2. 1/2 L IS THE MINIMUM DISTANCE FOR SHIFTING TAPERS.
 3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
 4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
 5. REDUCED SPEED MAY BE CONSIDERED.
 6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.



TYPICAL SANITARY SEWER SLIPLINING OPERATION

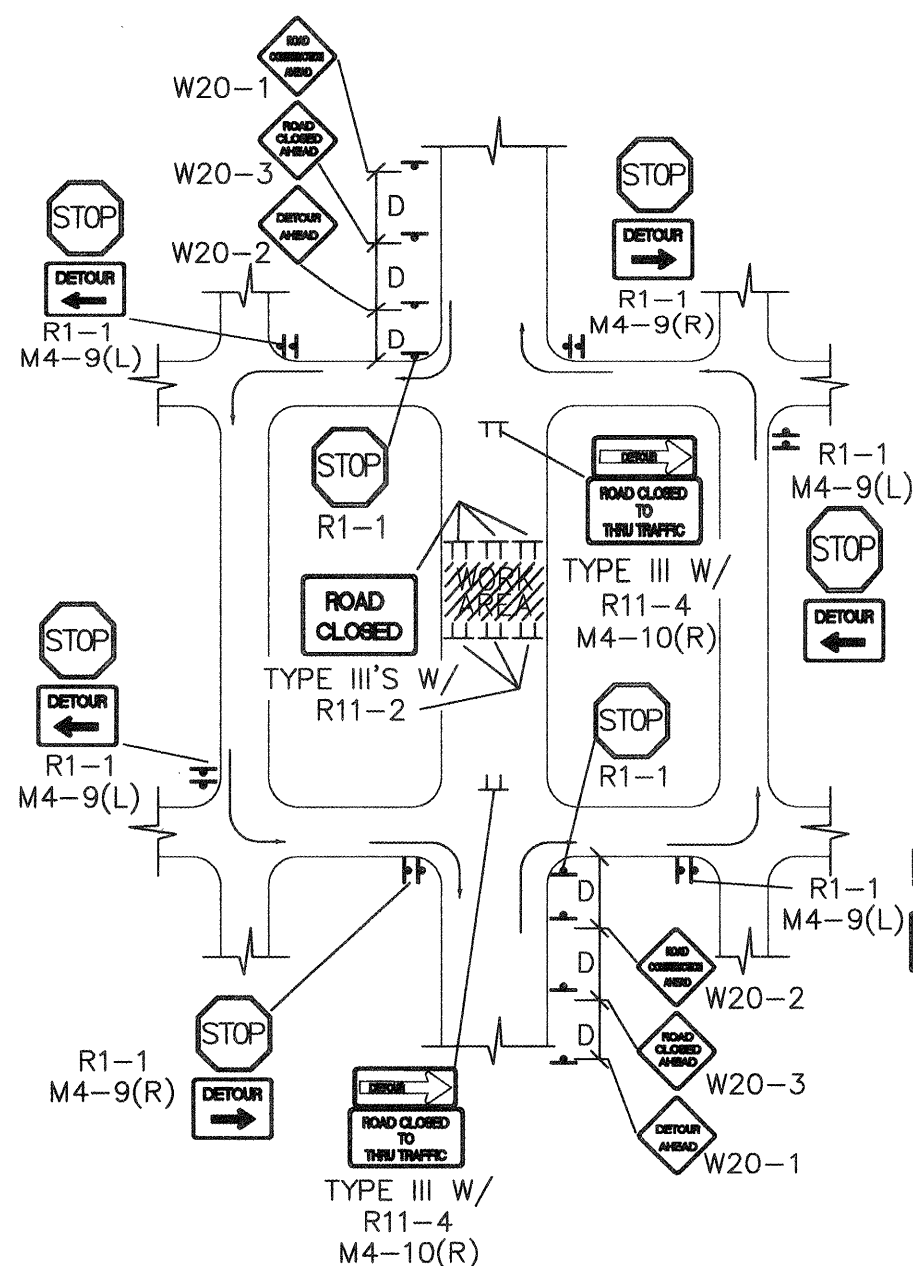
- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS
- ALL PITS TO HAVE FLAGLINE

NOTE:
MAY REQUIRE LEFT LANE
CLOSURE DEPENDING ON
FIELD CONDITIONS.



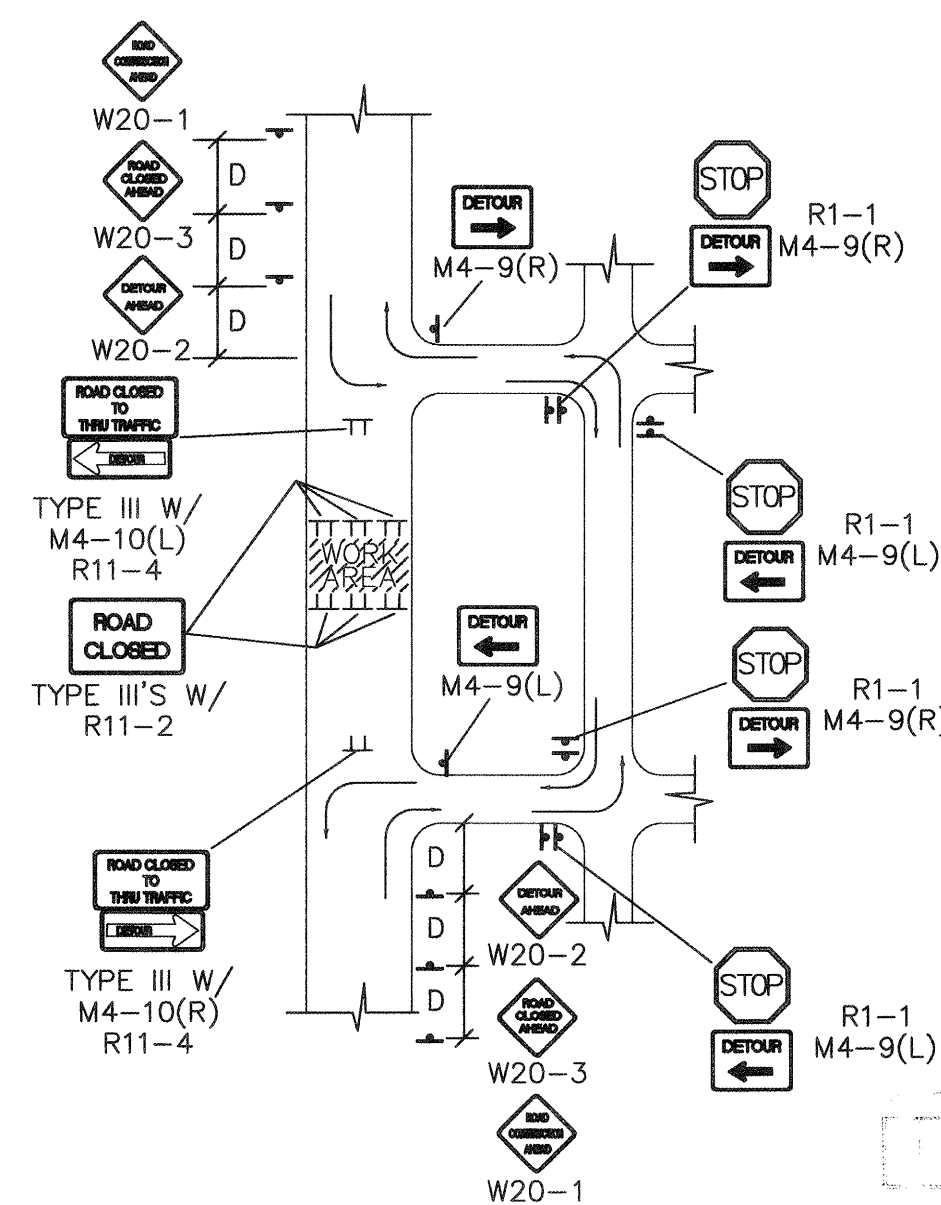
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION.



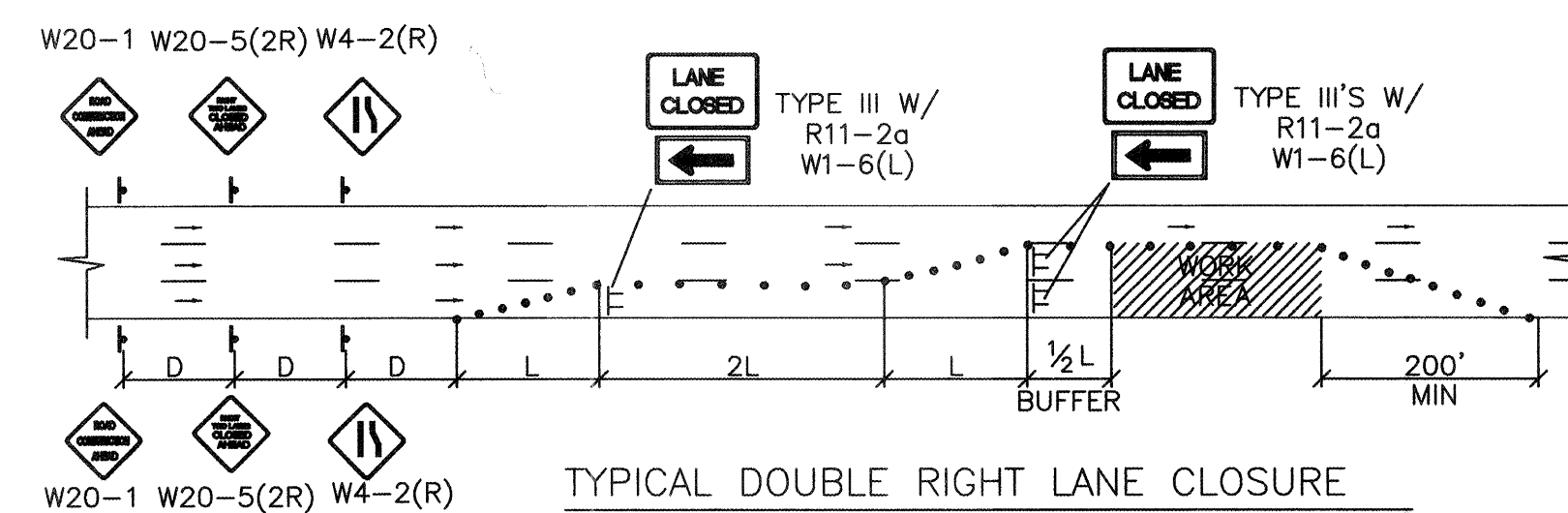
TYPICAL MID-BLOCK CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS

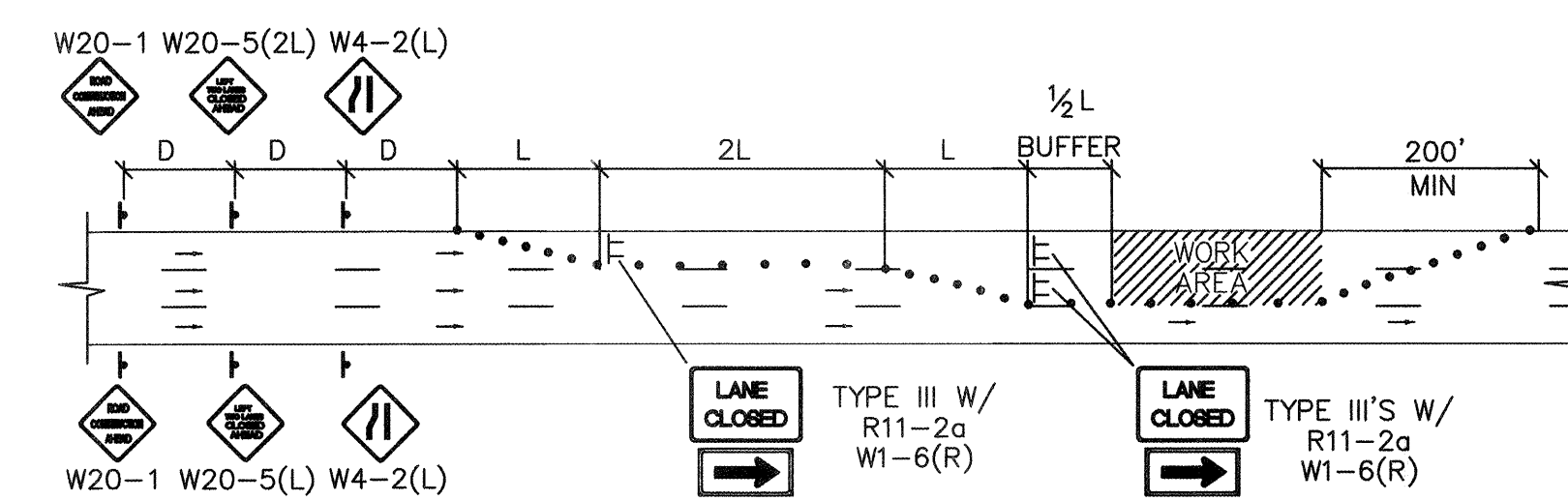


TYPICAL STREET CLOSURE

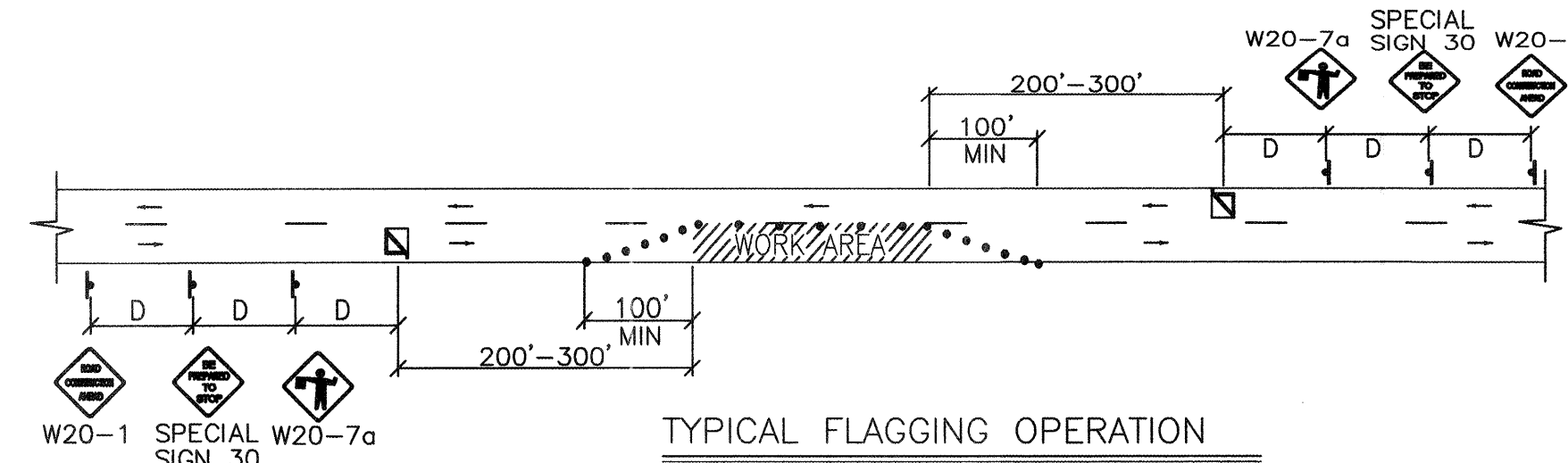
NOTE: (R1-1) BASED ON FIELD CONDITIONS



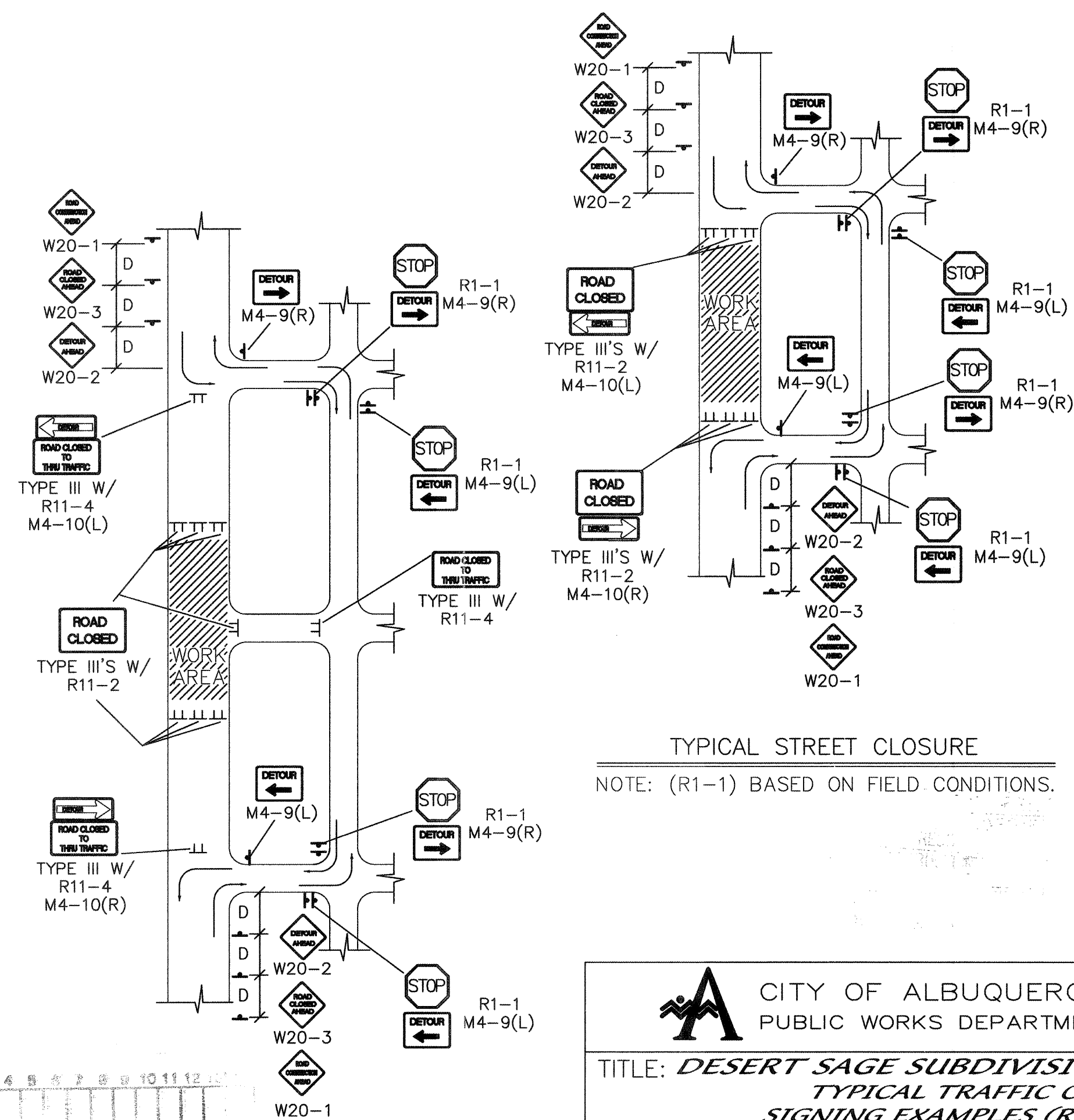
TYPICAL DOUBLE RIGHT LANE CLOSURE



TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: *DESERT SAGE SUBDIVISION*
TYPICAL TRAFFIC CONTROL &
SIGNING EXAMPLES (REF. M.U.T.C.D.)

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
C.O.A. STANDARD	C.O.A. STANDARD			
CITY PROJECT NO.		ZONE MAP NO.	SHEET OF	
670481		M10	19 19	

ENGINEER'S SEAL						SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
						FIELD NOTES					
						NO.	BY	DATE		CONTRACTOR	DATE
				J.D.L.						INSPECTOR'S STAKED BY	DATE
										INSPECTOR'S REMARKS BY	DATE
				BY						VERIFICATION BY	DATE
C.O.A. STANDARD										ADJUSTMENT CORRECTED BY	DATE
										MICRO-FILM INFORMATION	
										RECORDED BY	DATE
DESIGNED BY BOHANNAN HUSTON						DATE 5-97					
DRAWN BY BOHANNAN HUSTON						DATE 5-97					
CHECKED BY BOHANNAN HUSTON						DATE 5-97					