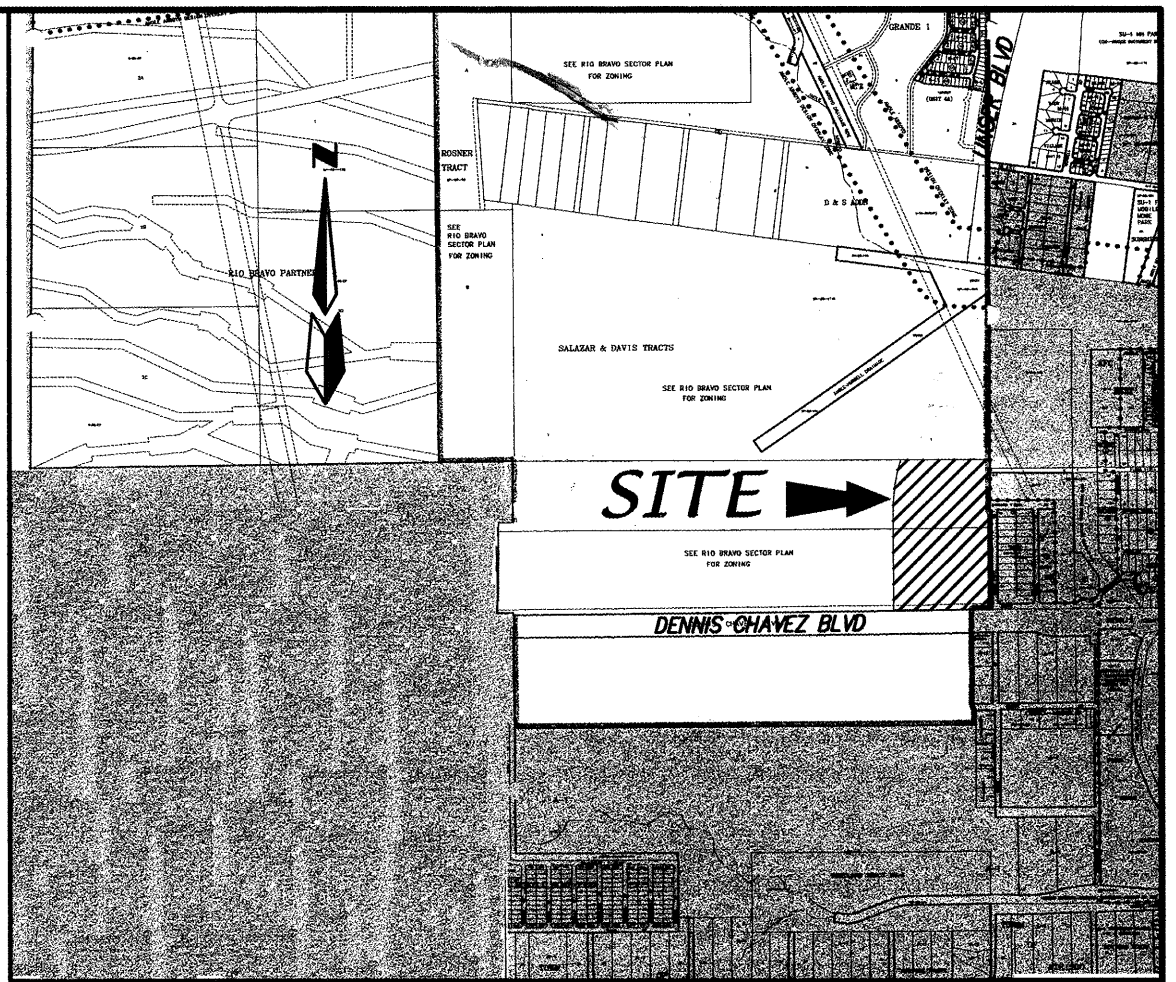


SCANNED BY
PLANNING

2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-710811.85 06 1

CONSTRUCTION PLANS FOR *MESA AT ANDERSON HILLS* *UNIT 2* ALBUQUERQUE, NEW MEXICO



VICINITY MAP ZONE ATLAS P-9-Z
SCALE: NONE

GENERAL NOTES

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #7.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (280-1990) FOR LOCATION OF EXISTING UTILITIES.
4. 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.
5. 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 (924-3400) PRIOR TO OCCUPANCY AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. ALL WORK AFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
7. 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.
8. 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 THE PAVEMENT 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.
10. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
11. CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE WATER SYSTEMS DIVISION (857-8200) SEVEN (7) 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 SEVEN (7) WORKING DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.
12. FOR STORM DRAIN CONSTRUCTION, RCP 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 ENGINEER.
- ☒ SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSED 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.

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Mark Goodwin, NMPE #8948, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS, Inc., NMPS number 7719.

Mark Goodwin 12/13/05
Mark Goodwin NMPE#8948
D. MARK GOODWIN
NEW MEXICO
8948
LICENSED PROFESSIONAL ENGINEER

INDEX TO DRAWINGS

SHEET NO.	SHEET
1	TITLE SHEET
2	PLAT
3-5	GRADING AND DRAINAGE PLAN
6-7	MASTER PAVING PLAN
8-14	PAVING IMPROVEMENTS
15-16	MASTER UTILITY PLAN
17-24	UTILITY IMPROVEMENTS

SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, 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." Aldrich Land Surveying is not responsible for any of the design concepts, calculations, or errors in the record drawings.

Timothy Aldrich 12-13-05
Timothy Aldrich Date

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
DATE: 8/27/06

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) 928-2200, FAX (505) 797-9539

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	APPROVED FOR CONSTRUCTION		
		DRC CHAIRMAN	<u>[Signature]</u>	4-28-05	<u>[Signature]</u> 5-12-05 CITY ENGINEER DATE		
		TRANSPORTATION	<u>[Signature]</u>	4/28/05			
		WATER/WASTEWATER	<u>[Signature]</u>	4/1/05			
		HYDROLOGY	<u>[Signature]</u>	4/1/05			
		CIP	<u>[Signature]</u>				
		CONSTR. MNGMT.	<u>[Signature]</u>				
		CONSTR. COORD.	<u>[Signature]</u>	4-28-05			
		CITY PROJECT NO.	708185		SHEET OF 1 24		

SCANNED BY
PLANNING

EXISTING 156' PUBLIC
INGRESS/EGRESS, WATER AND
SANITARY SEWER EASEMENT
(04-17-01, BK.A18 - PG.457)

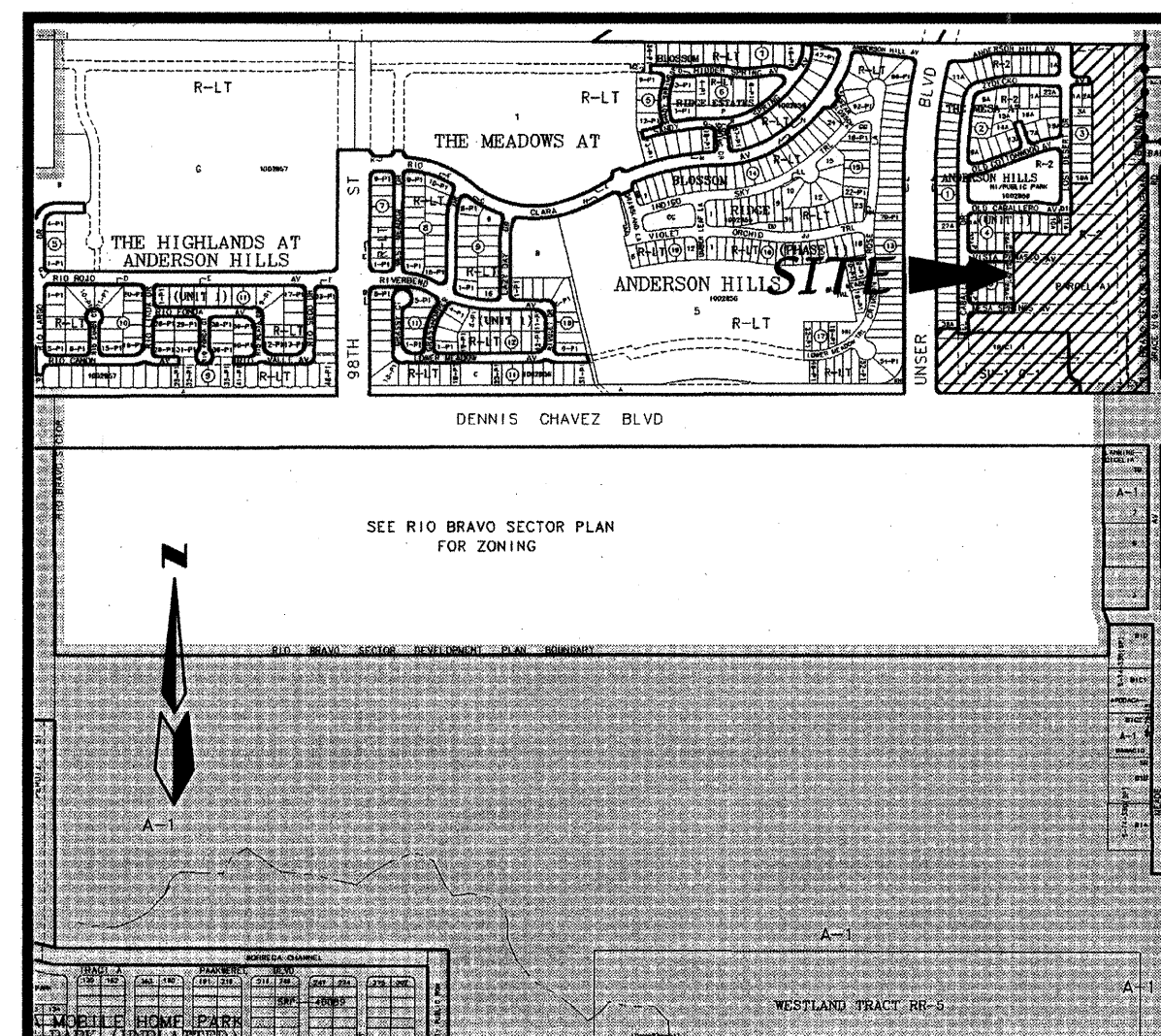
ACS MONUMENT "TRANS"
Y=1471822.67
X=354899.45
G-C=0.99967921
A=00°16'42"
CENTRAL ZONE
(NAD 1927)

TRACT A
LANDS OF SALAZAR FAMILY TRUST
SALAZAR QUATRO TRUST
JSJ INVESTMENT COMPANY
ANF FALBA HANNET
(07-23-03, 2003C-223)

TEMP. PUBLIC ROADWAY EASEMENT
GRANTED WITH THIS PLAT.

100' 50' 0 100' 200'
SCALE: 1" = 100'

ANOLE-HUBBELL-BORRERO
DRAINAGE RIGHTS-OF-WAY
(05-26-89, C39-59)



ZONE ATLAS: N-9-Z & P-9-Z

CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD BRG	CHORD
C1	47.17	30.00	90°04'58"	30.04	S45°10'34"E	42.46
C2	39.27	25.00	90°00'00"	25.00	S44°51'55"W	35.36
C3	39.06	25.00	89°30'58"	24.79	S45°02'28"E	35.21

EASEMENTS

- EXISTING 7' PUBLIC UTILITY EASEMENT (PUE) & 7' LANDSCAPE AREA (11-19-04, 04C-362)
- EXISTING PUBLIC DRAINAGE, WATERLINE AND SANITARY SEWER EASEMENT (11-19-04, 04C-362)
- EXISTING 25' PUBLIC WATERLINE AND SANITARY SEWER EASEMENT (11-19-04, 04C-362)
- EXISTING 15' PUBLIC WATERLINE EASEMENT (11-19-04, 04C-362)
- PROPOSED 38' PUBLIC SANITARY SEWER, DRAINAGE, WATERLINE & PEDESTRIAN ACCESS EASEMENT (11-19-04, 04C-362)
- EXISTING 15'x15' PNM SWITCH GEAR EASEMENT (11-19-04, 04C-362)
- EXISTING 10'x20' QWEST EASEMENT (11-19-04, 04C-362)
- EXISTING 10' PUBLIC UTILITY EASEMENT (10' PUE) (11-19-04, 04C-362)
- EXISTING PUBLIC STORM DRAIN EASEMENT (10' PUE) (11-19-04, 04C-362)
- EXISTING 10' PUBLIC STORM DRAIN EASEMENT (10' PUE) (11-19-04, 04C-362)

LINE DATA		
NUMBER	DIRECTION	DISTANCE
L1	N00°08'05"W	235.36
L2	N89°57'17"E	7.00
L3	N00°08'05"W	46.22
L4	N89°51'55"E	100.00
L5	N00°08'05"W	23.46
L6	N89°46'57"E	50.00
L7	N00°08'05"W	76.86
L8	S89°51'55"W	195.86
L9	N00°08'07"W	384.00
L10	S89°51'55"W	86.00
L11	S00°08'05"E	0.92
L12	S89°51'55"W	43.00
L13	S00°08'05"E	5.92
L14	N89°51'55"E	43.00
L15	S00°08'05"E	2.37
L16	N89°43'02"E	106.96
L17	N00°16'59"W	94.82
L18	N89°43'01"E	3.63
L19	S00°16'59"E	150.00
L20	N89°43'01"E	100.00
L21	N00°16'59"W	486.88
L22	N89°43'01"E	10.00
L23	N00°16'59"W	21.50
L24	S89°47'57"E	60.21
L25	N00°16'59"W	134.26
L26	S89°47'57"E	352.03

SITE BENCHMARK

ACS MONUMENT
"3-P10"
ELEVATION=4935.735
(SLD 1929)

LEGEND

- 1 LOT NUMBER
- 3 BLOCK NUMBER
- ▲ CENTER LINE MONUMENT
- △ EXISTING CENTER LINE MONUMENT
- RIGHT-OF-WAY & PROPERTY LINES
- UNIT LINE
- UNIT 1 UNIT NUMBER

ACS MONUMENT "2-P10"
Y=1,464,349.24
X=358,414.13
G-C=0.9996842
A=00°16'16"
CENTRAL ZONE
(NAD 1927)

AMENDED PRELIMINARY PLAT THE MESA AT ANDERSON HILLS UNIT 2 WITHIN THE TOWN OF ATRISCO GRANT PROJECTED SECTIONS 8, 9 & 10 TOWNSHIP 9 NORTH, RANGE 2 EAST, NMMP CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO JANUARY, 2005

SUBDIVISION DATA

GROSS ACREAGE 20.9248 AC
ZONE ATLAS NO. N-9-Z P-9-Z
NO. OF LOTS CREATED - UNIT 2 149 LOTS
NO. OF TRACTS CREATED 6 TRACTS
R/W AREA DEDICATED TO CITY 4.2646 AC
PARK DEDICATION (UNIT 1) 2.0005 AC
ZONING RLT
DATE OF SURVEY OCTOBER 2002

NOTES

- UNLESS OTHERWISE NOTED, ALL BOUNDARY CORNERS SHOWN THUS ○ SHALL BE MARKED BY A #5 REBAR W/CAP STAMPED "ALS LS 7719" (TYP.).
- ALL STREET CENTERLINE MONUMENTATION SHALL BE INSTALLED AT ALL CENTERLINE P.C.'S, P.T.'S, ANGLE POINTS, AND STREET INTERSECTIONS AND SHOWN THUS ▲, WILL BE MARKED BY A FOUR INCH (4") ALUMINUM CAP STAMPED:
"CITY OF ALBUQUERQUE CENTERLINE MONUMENTATION"
"DO NOT DISTURB"
PS#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 OF SET AT ALL POINTS OF CURVATURE, POINTS OF TANGENCY, STREET INTERSECTIONS, AND ALL OTHER ANGLE POINTS TO ALLOW USE OF CENTERLINE MONUMENTATION.

- TRACT C SHALL BE A PUBLIC WATERLINE, PUBLIC SANITARY SEWER, & LANDSCAPE EASEMENT DEED TO, FOR THE BENEFIT OF, AND TO BE MAINTAINED BY THE HOME OWNERS ASSOCIATION. PUBLIC SANITARY SEWER AND WATER TO BE MAINTAINED BY THE CITY OF ALBUQUERQUE.

- TRACTS A, B, E, F, AND G SHALL BE A PUBLIC PEDESTRIAN ACCESS & LANDSCAPE EASEMENT AND DEED TO, FOR THE BENEFIT OF, AND TO BE MAINTAINED BY THE HOME OWNERS ASSOCIATION.

- TRACT K IS TO PROVIDE AN ADDITIONAL 7' WIDE LANDSCAPE AREA TO BE OWNED AND MAINTAINED BY THE ANDERSON HILLS HOMEOWNERS ASSOCIATION. THIS TRACT IS ALSO ENCUMBERED WITH A 7' WIDE PUE AND PUBLIC ACCESS AND SIDEWALK EASEMENT.

DESCRIPTION

A tract of land situate within the Town of Atrisco Grant, projected Sections 8, 9, and 10, Township 9 North, Range 2 East, New Mexico Principal Meridian, Bernalillo County, New Mexico being comprised of all of PARCEL "A-1" and all of TRACT "I-1", THE MESA AT ANDERSON HILLS, UNIT 1 as the same is shown and designated on said plat filed for record in the office of the County Clerk of Bernalillo County, New Mexico on November 19, 2004 in Book 2004C, Page 362 and containing 20.9248 acres more or less.

ENGINEERS

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

OWNERS

ANDERSON HILLS, LLC
PO BOX 12317
ALBUQUERQUE, N.M. 87195
(505) 822-5562

SURVEYOR

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

REX WILSON
Managing Member, Anderson Hills, LLC

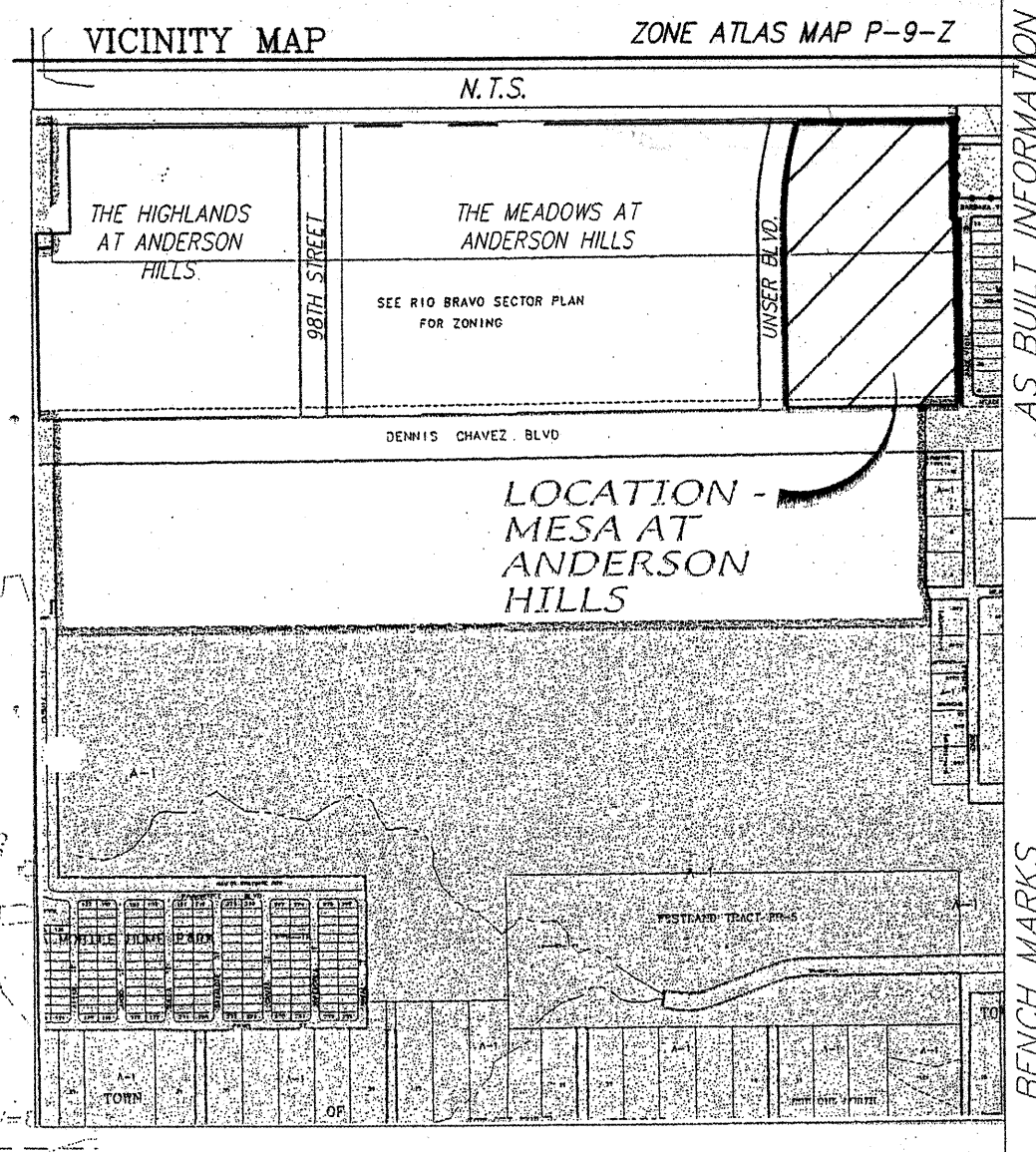
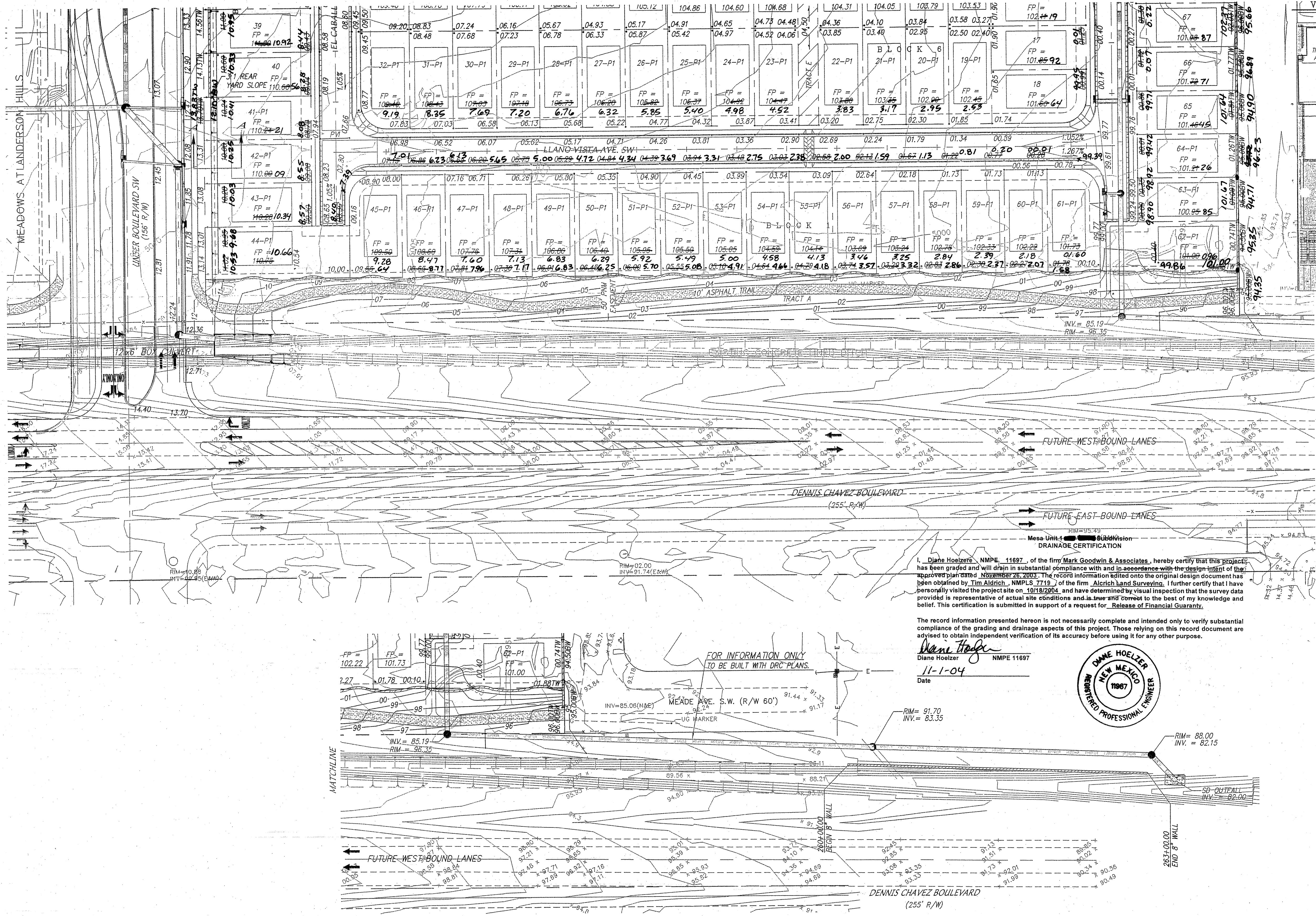
APPROVED

City Surveyor, City of Albuquerque, N.M. 2-28-05
Date

ALDRICH LAND
SURVEYING
P.O. BOX 30701, ALBQ., N.M. 87190
505-884-1990

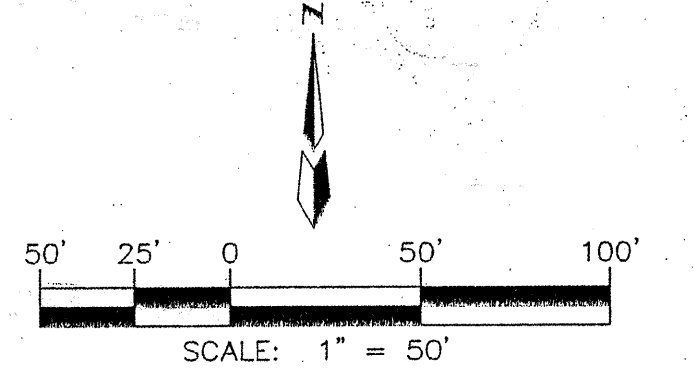
SCANNED BY
PLANNING

SEE SHEET 6 OF 36



NOTES

1. SEE REAR YARD SLOPE DETAIL SHEET 3.
2. SEE SIDE YARD DETAIL SHEET 3.
3. SEE DOUBLE RETAINING WALL DETAIL SHEET 3.



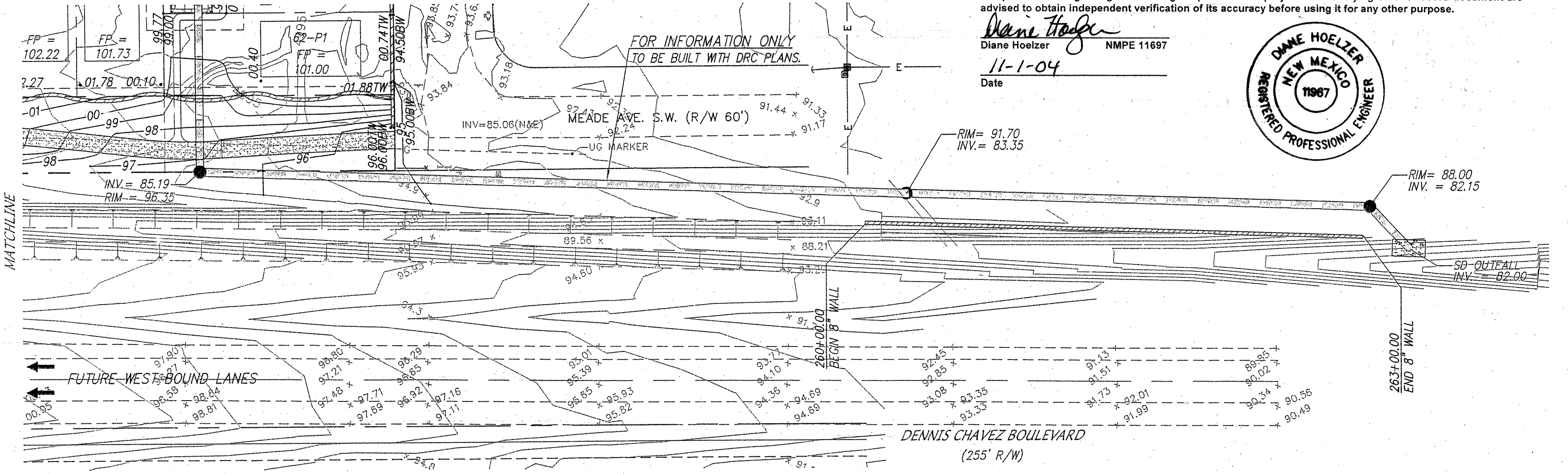
LEGEND

- PROPOSED STANDARD CURB & GUTTER
- PROPOSED MOUNTABLE CURB & GUTTER
- PROPOSED SIDEWALK
- PROPOSED SPOT ELEVATION
- PROPOSED FINISHED PAD ELEVATION
- PROPOSED DIRECTION OF FLOW
- PROPOSED SLOPE
- PROPOSED RETAINING WALL
- PROPOSED GARDEN WALL
- PROPOSED PARK
- EXISTING PAVEMENT
- EXISTING CHANNEL

I, Diane Hoelzer, NMPE, 11697, of the firm Mark Goodwin & Associates, P.A., hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intent of the approved plan dated November 26, 2003. The record information added onto the original design document has been obtained by Tim Aldrich, NMPLS 7719, of the firm Aldrich Land Surveying. I further certify that I have personally visited the project site on 10/18/2004, and have determined by visual inspection that the survey data provided is representative of actual site conditions and is true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for Release of Financial Guaranty.

The record information presented hereon is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

Diane Hoelzer
Diane Hoelzer NMPE 11697
Date 11-1-04



APPROVED ROUGH GRADING ±18" CITY HYDROLOGY DATE

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT	
TITLE: MESA AT ANDERSON HILLS GRADING & DRAINAGE PLAN	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
MO./DAY/YR.	MO./DAY/YR.
For Information Only	
CITY PROJECT	ZONE MAP NO.
708185	P-9
SHEET	3 OF 24

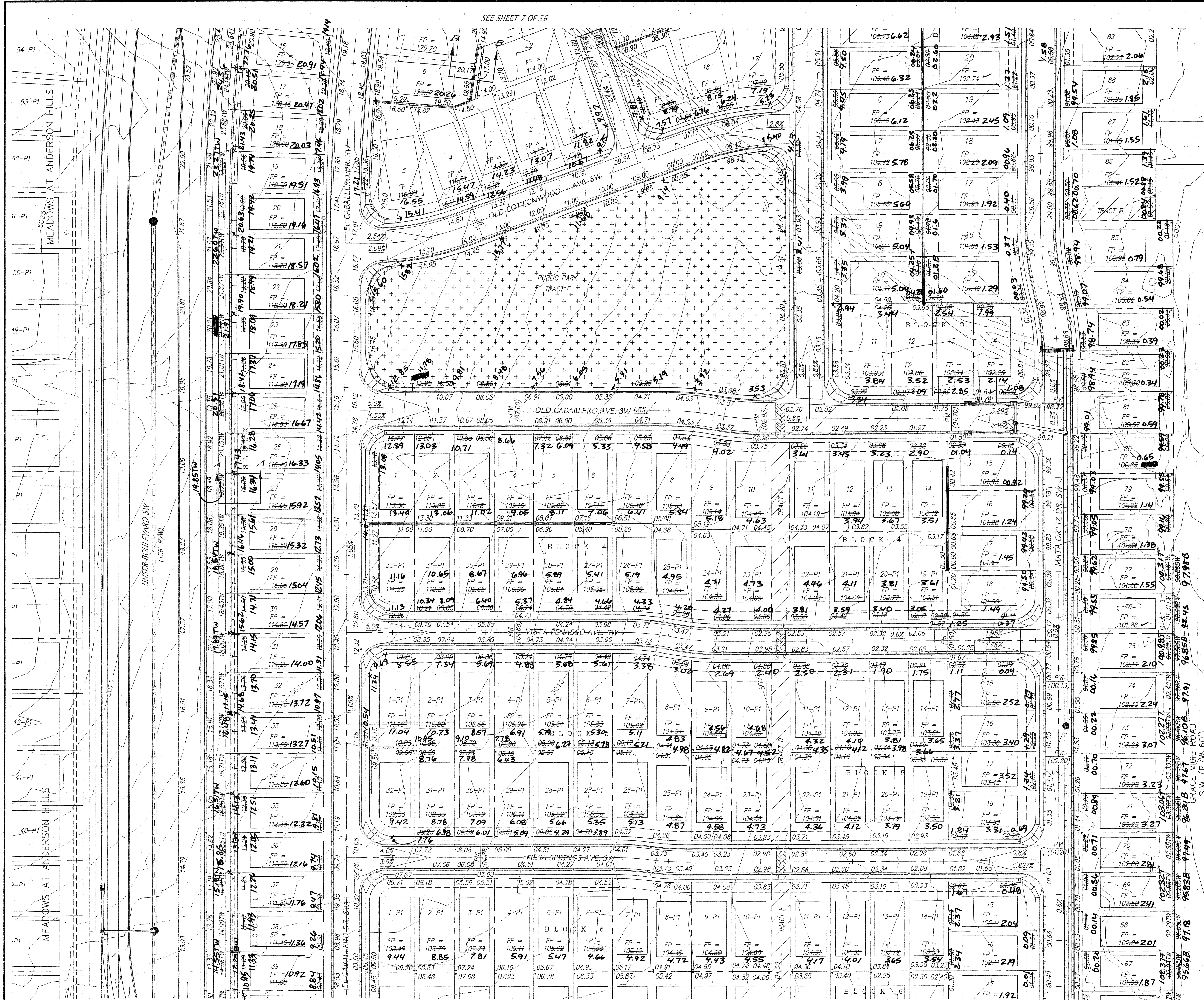
SEE SHEET 7 OF 36

NOTES

1. SEE REAR YARD SLOPE DETAIL SHEET 3.
2. SEE SIDE YARD DETAIL SHEET 3.
3. SEE DOUBLE RETAINING WALL DETAIL SHEET 3.

SEE SHEET 5 OF 36

A2106ANH/DWG/MESA/2106-GD50-EAST 11-19-03 NHE



UNPLATTED LAND

BARBARA VISTA AVE.
S.W. (RW/ 60')

50' 25' 0 50' 100'

SCALE: 1" = 50'

1. Diane Holzer, NMPE 11897, of the firm Mark Goodwin & Associates, hereby certifies that this project has been graded and will drain in substantial compliance with and in accordance with the design intent of the approved plan dated November 28, 2003. The record information filed onto the original design document has been personally verified by the engineer on 11/19/03 and has been determined by visual inspection that the survey data provided is representative of actual site conditions and is true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for Release of Financial Liability.

The record information presented herein is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project, those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

Diane Holzer
Diane Holzer NMPE 11897

11-19-04
Date

AS BUILT INFORMATION

CONTRACTOR: *Sundbom*
STATION: 2106-110' IS LOCATED 4.9 MI. SW OF DOWNTOWN ALBUQUERQUE
TO REACH STATION FROM INT. OF COORS AND DENNIS CHAVEZ BLVD.
INSPECTOR'S: *ALS*
DATE: *12/25*
FIELD: *D-14*
DATE: *12/25*
AND GO WEST ON FLORA VISTA 0.5 MI. TO CONDERSHIRE, THEN GO
S. ON CONDERSHIRE 0.4 MI. TO A POINT APPROX. 50 FT. N. OF THE
STATION. STATION MARK IS AN ACS 3 1/4" ALUM CAP STAMPED
"2106, 1987" RIVETED TO A PIPE PROJECTING 0.25 FT ABOVE THE
GROUND. X=55841.13, Y=146340.24 (NAD 27) Z=9991 (NGVD 29).

NO. DATE BY

REVISIONS

DESIGN

DATE 4/03

DATE 4/03

DATE 4/03

DESIGNED BY *DLH*

DRAWN BY *NHE*

CHECKED BY *DWG*

ENGINEER'S SEAL

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: *MESA AT ANDERSON HILLS
GRADING & DRAINAGE PLAN*

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

MO./DAY/YR.

MO./DAY/YR.

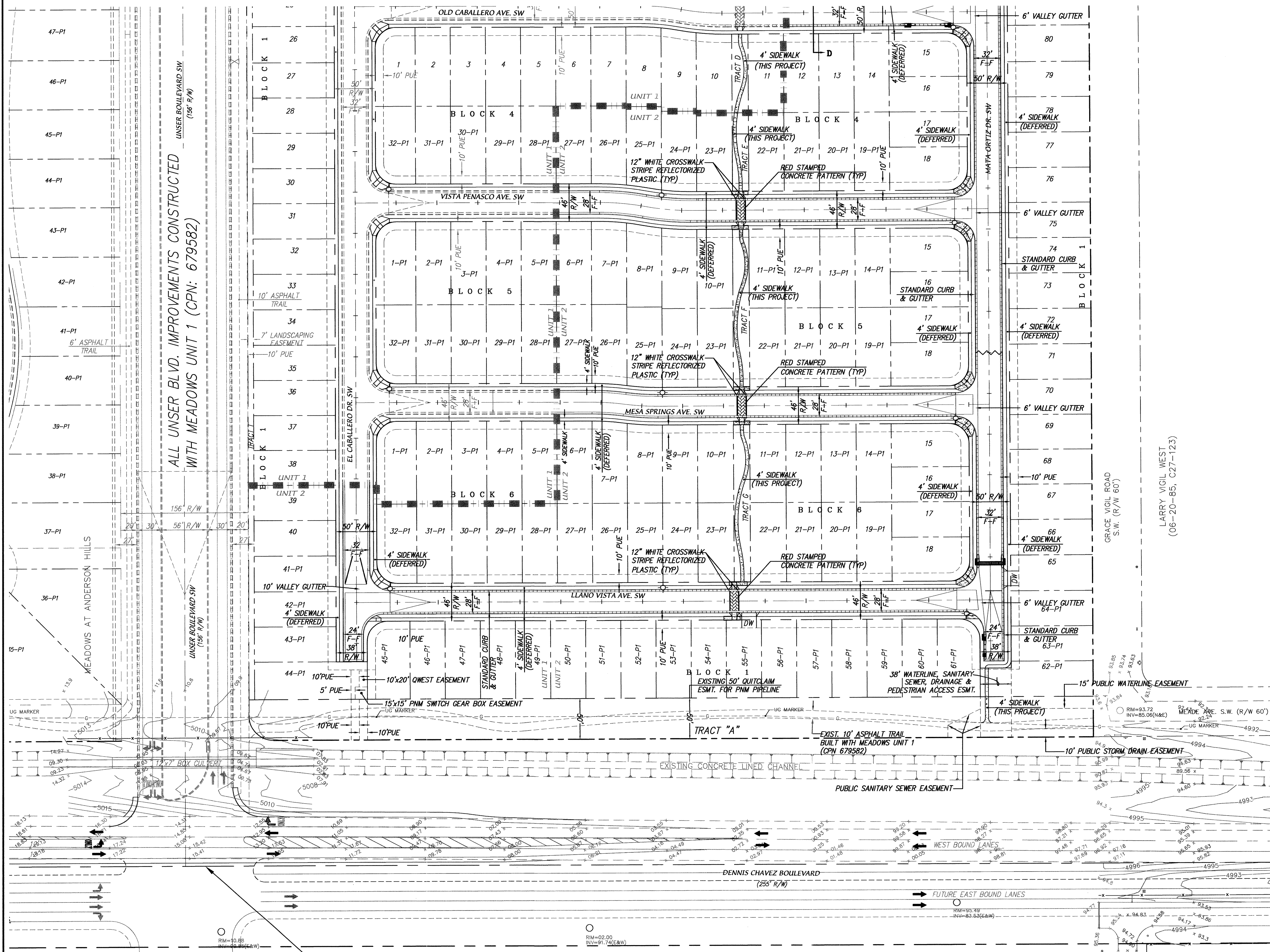
For Information Only

CITY PROJECT NO. **708185**

ZONE MAP NO. *P-9*

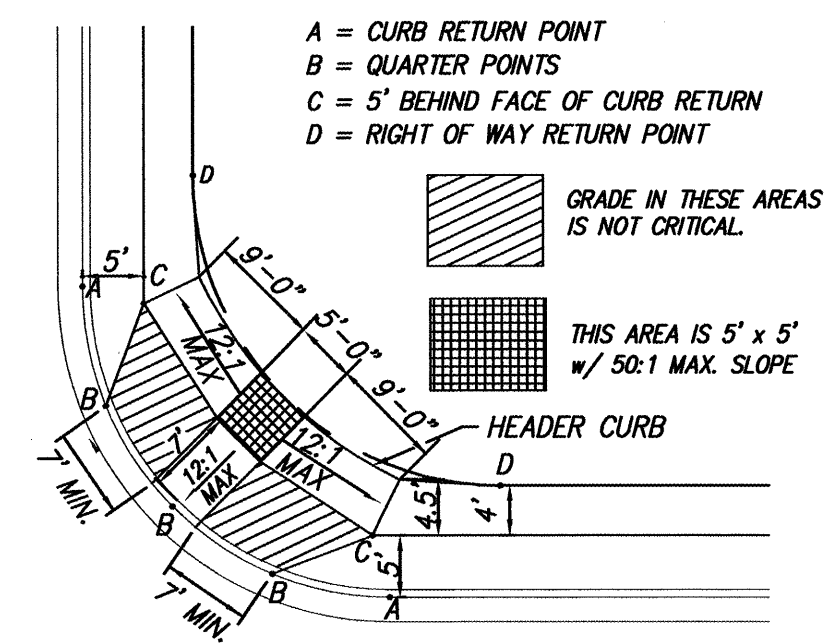
SHEET **4** OF **24**

SEE SHEET 7 OF 24



NOTES

1. ALL 4' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2421 AT KNOCKLES AND 6' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2420 AT ALL INTERSECTIONS AND ALL 10' VALLEY GUTTERS PER COA STANDARD DRAWING 2422.
2. ALL 4' INTERIOR SIDEWALKS ARE DEFERRED.
3. ALL HANDICAP RAMPS TO BE PER DETAIL THIS SHEET UNLESS OTHERWISE NOTED.
4. TRANSITION FROM MOUNTABLE CURB TO STANDARD CURB SHALL BE 10' PER COA STANDARD DRAWING 2418.
5. TRANSITION SECTION FROM FULL CROWN TO NO CROWN TO BE A MINIMUM OF 50', PER CITY OF ALBUQUERQUE STANDARD DRAWING 2401.
6. ALL SIDEWALKS PER COA STANDARD DRAWING 2430.
7. SOIL NOT HAVING A MINIMUM R-VALUE OF 50 WHERE INDICATED ON SECTIONS OF 2 FEET AND REPLACED BY THE CONTRACTOR WITH A SUITABLE MATERIAL OR PAVEMENT SECTION SHALL BE DESIGNED BY THE CONSULTANT ACCORDING TO THE EXISTING R-VALUE PER COA STANDARD SPECIFICATIONS.
8. UNIDIRECTIONAL CURB ACCESS RAMP PER C.O.A. STD. DWG. 2426.



LEGEND

- NEW MOUNTABLE CURB AND GUTTER
- FUTURE MOUNTABLE CURB AND GUTTER
- NEW STANDARD CURB AND GUTTER
- FUTURE STANDARD CURB AND GUTTER
- EXISTING WALL
- SIDEWALK THIS PROJECT AS PER COA STD DWG 2430
- DEFERRED SIDEWALK
- LOT LINE
- RIGHT-OF-WAY LINE
- CENTERLINE
- EXIST NEW
- STORM DRAIN INLET THIS PROJECT
- NEW STREET LIGHT
- WHEEL CHAIR RAMP
- CROWN TRANSITION SEE NOTE 5
- NEW DRIVEWAY LOCATION (BY OTHERS)
- RED STAMPED PATTERN CONCRETE
- UNIT PHASE LINE
- NEW WATER BLOCK

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: MESA AT ANDERSON HILLS UNIT 2
MASTER PAVING PLAN

DESIGN REVIEW COMMITTEE
APPROVED
APR 28 2005
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
APPROVED
MAY 12 2005
CITY ENGINEER

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

CITY PROJECT NO. 708185 ZONE MAP NO. P-9 SHEET 6 OF 24

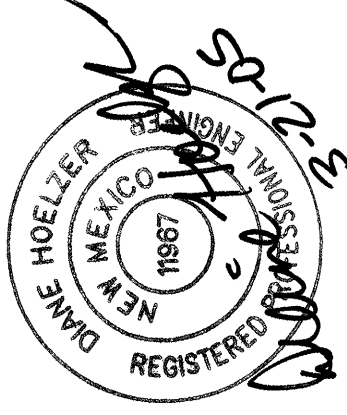
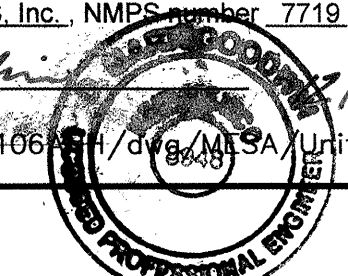
ALL INTERSECTION IMPROVEMENTS
ARE PART OF MEADOWS UNIT 1
AT ANDERSON HILLS CPN: 679582

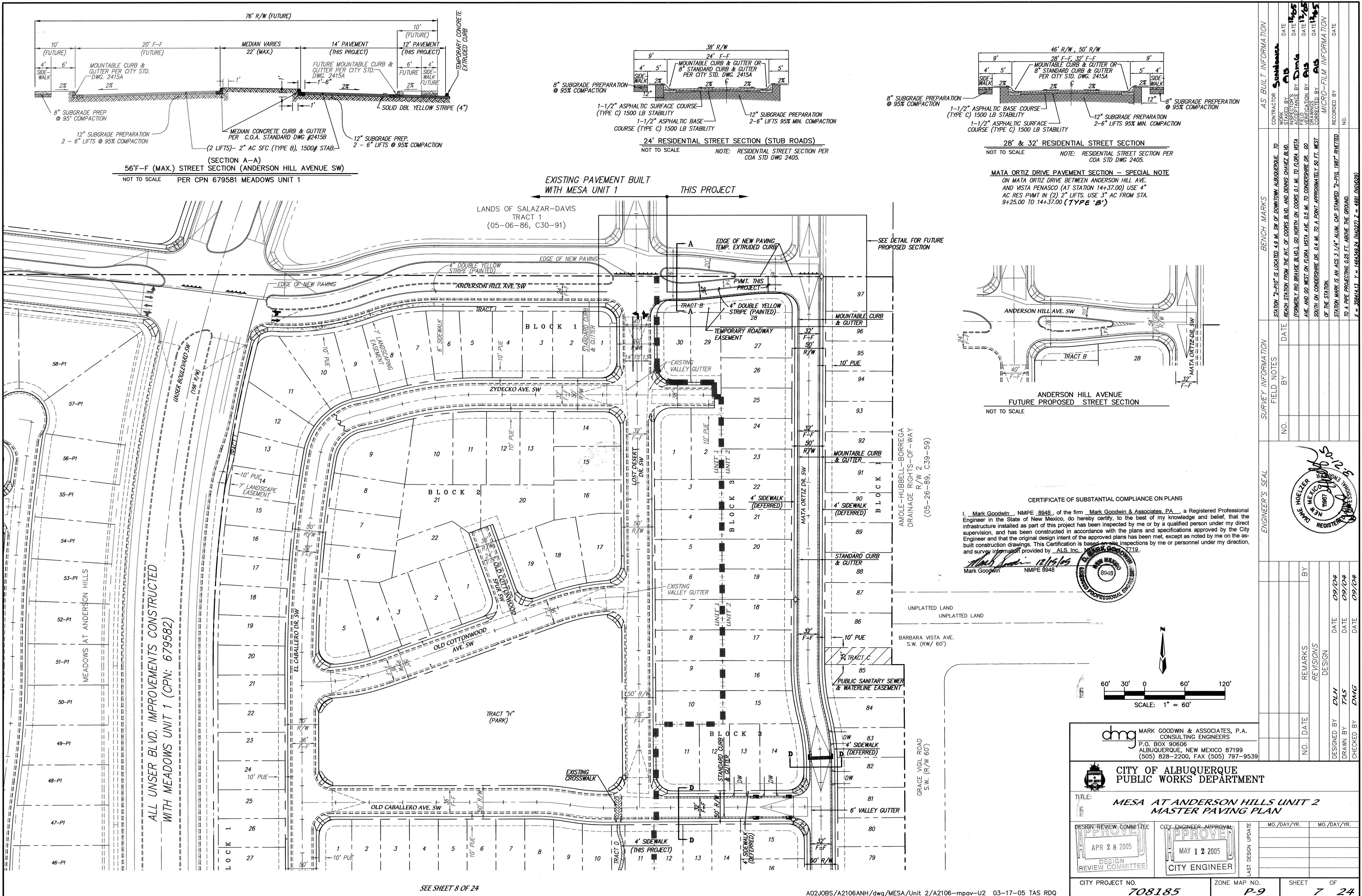
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Mark Goodwin, NMPE 8948, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by SLS, Inc., NMPS number 7719.

Mark Goodwin NMPE 8948
A02JOBS/A2106-1/1/08/MSA/Unit 2/A2106-mpov-U2 03-17-05 TAS RDQ

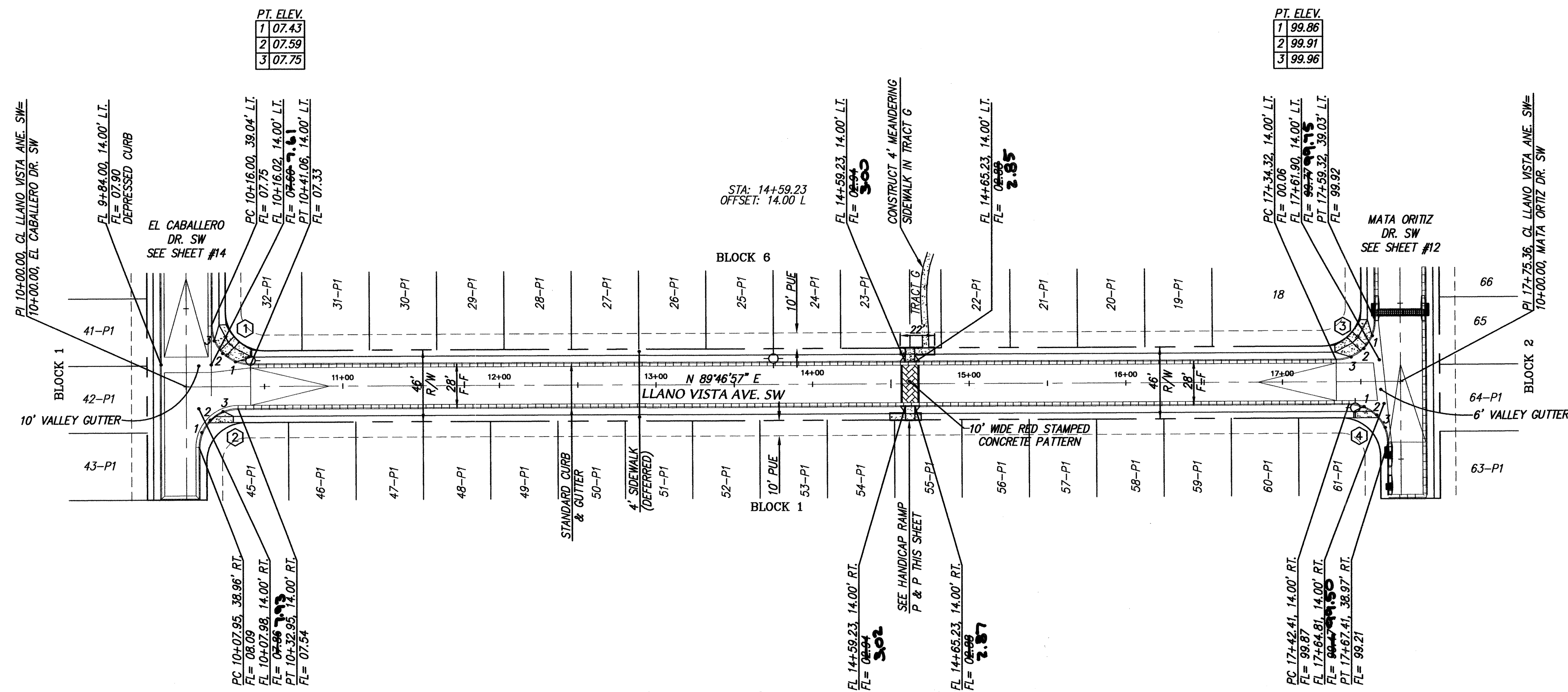
SCALE: 1" = 30'





CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT	
TITLE: MESA AT ANDERSON HILLS UNIT 2 MASTER PAVING PLAN	
DESIGN REVIEW COMMITTEE APR 28 2005	CITY ENGINEER APPROVAL MAY 12 2005
DESIGNED BY: DLH	DATE: 09/04
DRAWN BY: TAS	DATE: 09/04
CHECKED BY: DWG	DATE: 09/04
CITY PROJECT NO. 708185	ZONE MAP NO. P-9
SHEET 7 OF 24	

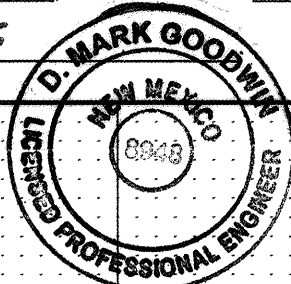
SCANNED BY
PLANNING



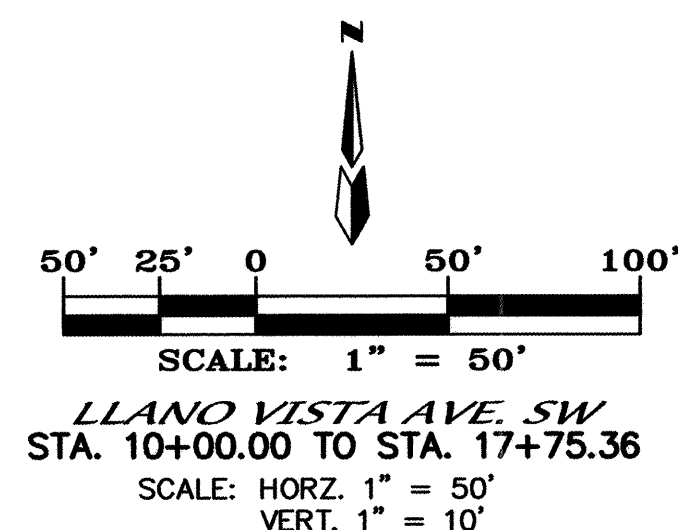
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Mark Goodwin, NMPE 8948, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS, Inc., NMPS number 7719.

Mark Goodwin 12/19/05



Mark Goodwin NMPE 8948

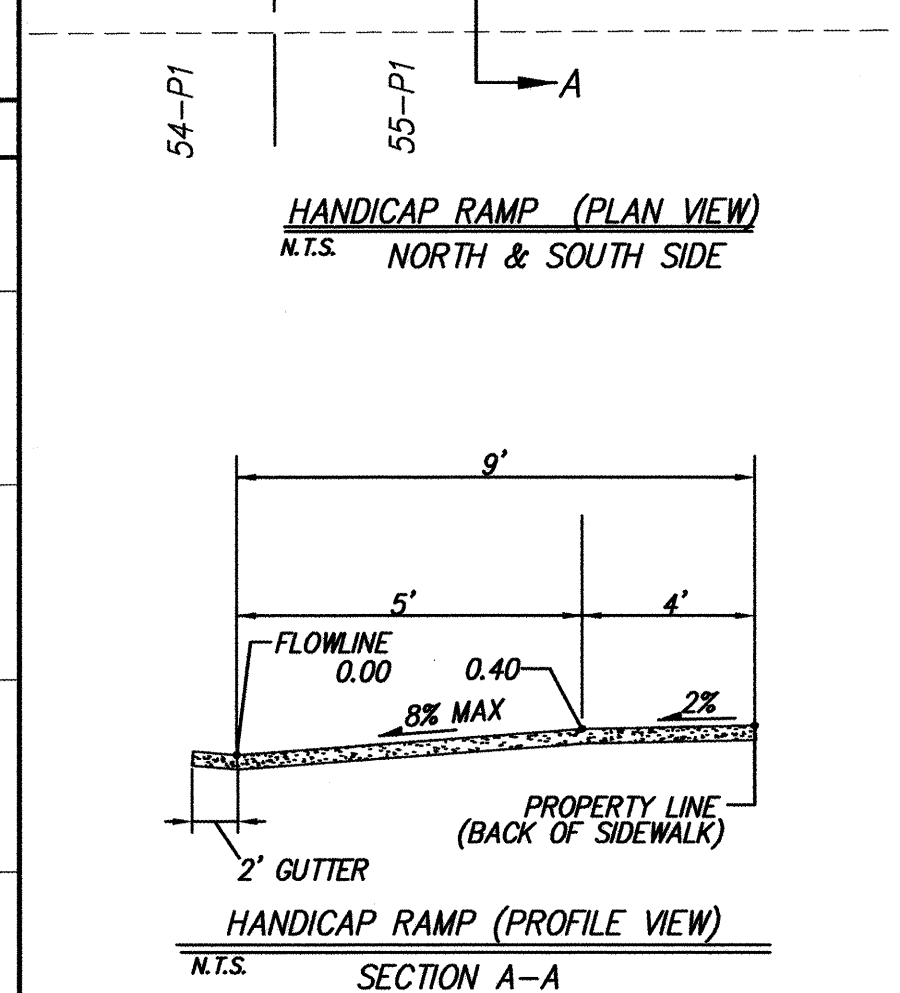
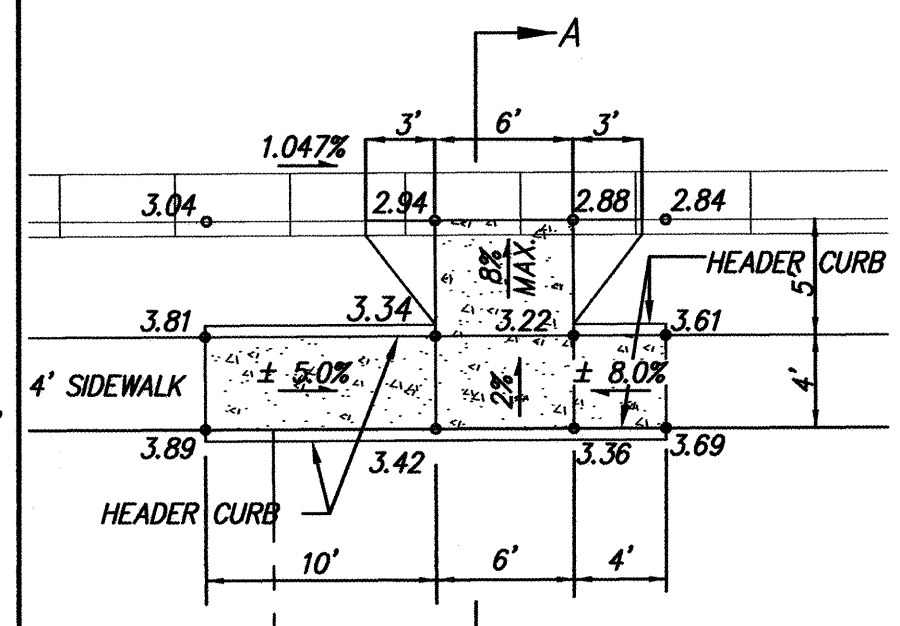
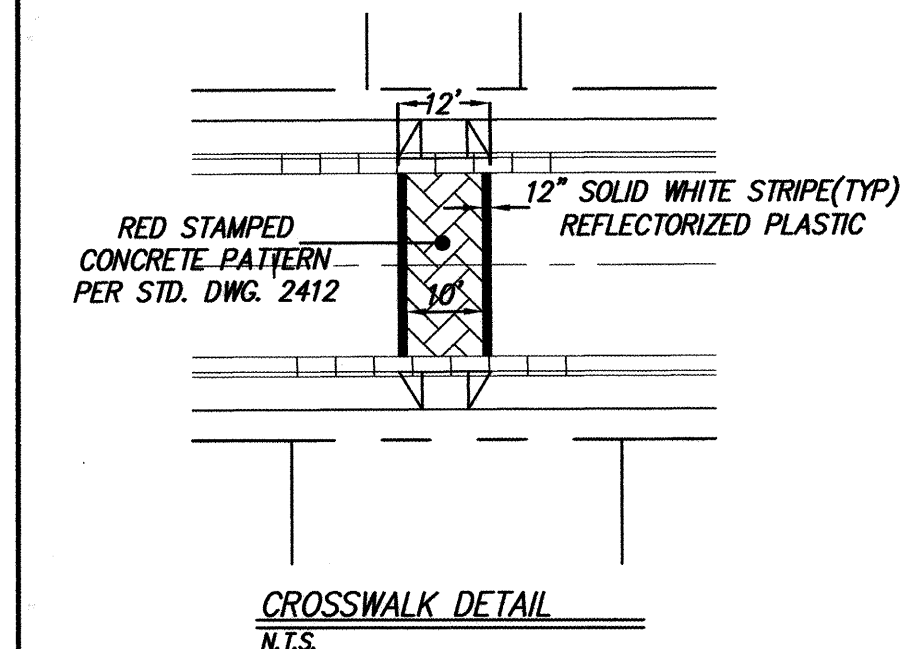


NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

CURVE DATA - DESCRIBES FACE OF NEW CURB

- ① $\Delta = 90^\circ 04' 58''$
 $R = 25'$
 $T = 25.04'$
 $L = 39.31'$
- ② $\Delta = 89^\circ 55' 02''$
 $R = 25'$
 $T = 24.96'$
 $L = 39.23'$
- ③ $\Delta = 90^\circ 03' 57''$
 $R = 25'$
 $T = 25.03'$
 $L = 39.3'$
- ④ $\Delta = 89^\circ 56' 03''$
 $R = 25'$
 $T = 24.97'$
 $L = 39.24'$

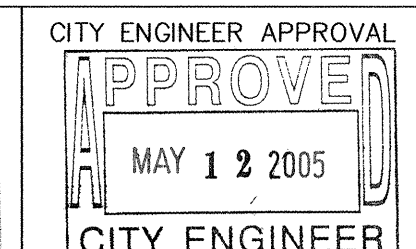


dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: MESA AT ANDERSON HILLS - UNIT 2
LLANO VISTA AVE. SW
PAVING IMPROVEMENTS



DESIGN REVIEW COMMITTEE

CITY ENGINEER

APPROVED

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DESIGN REVIEW COMMITTEE

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DESIGN REVIEW COMMITTEE

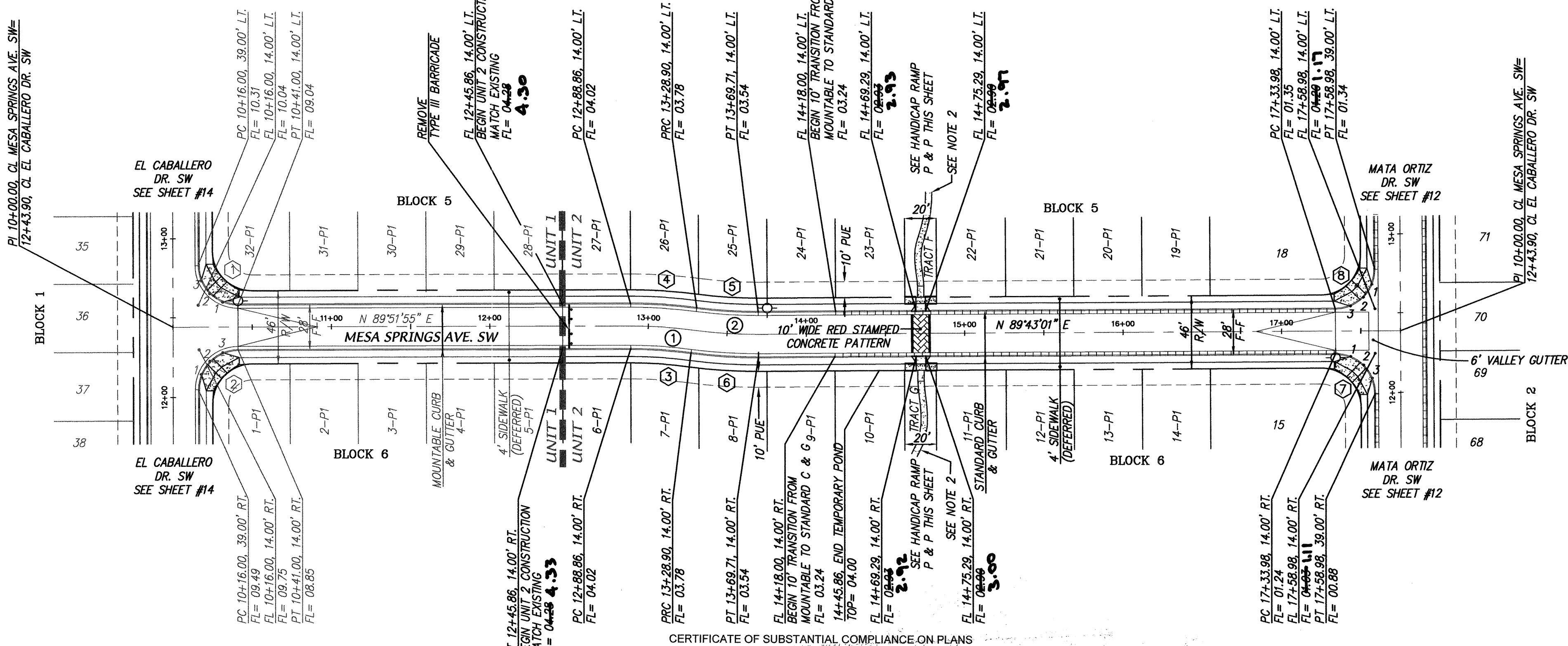
CITY ENGINEER

APPROVED

APPROVED

SCANNED BY
PLANNING

PT. ELEV.
1 09.40
2 09.81
3 10.21



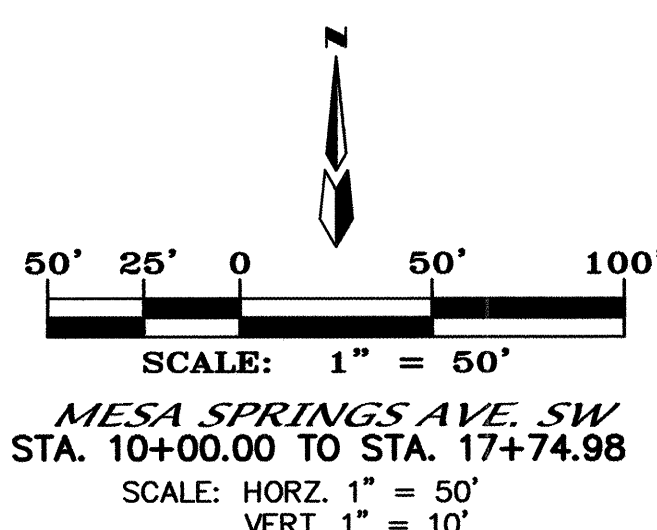
PT. ELEV.
1 01.30
2 01.30
3 01.30

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

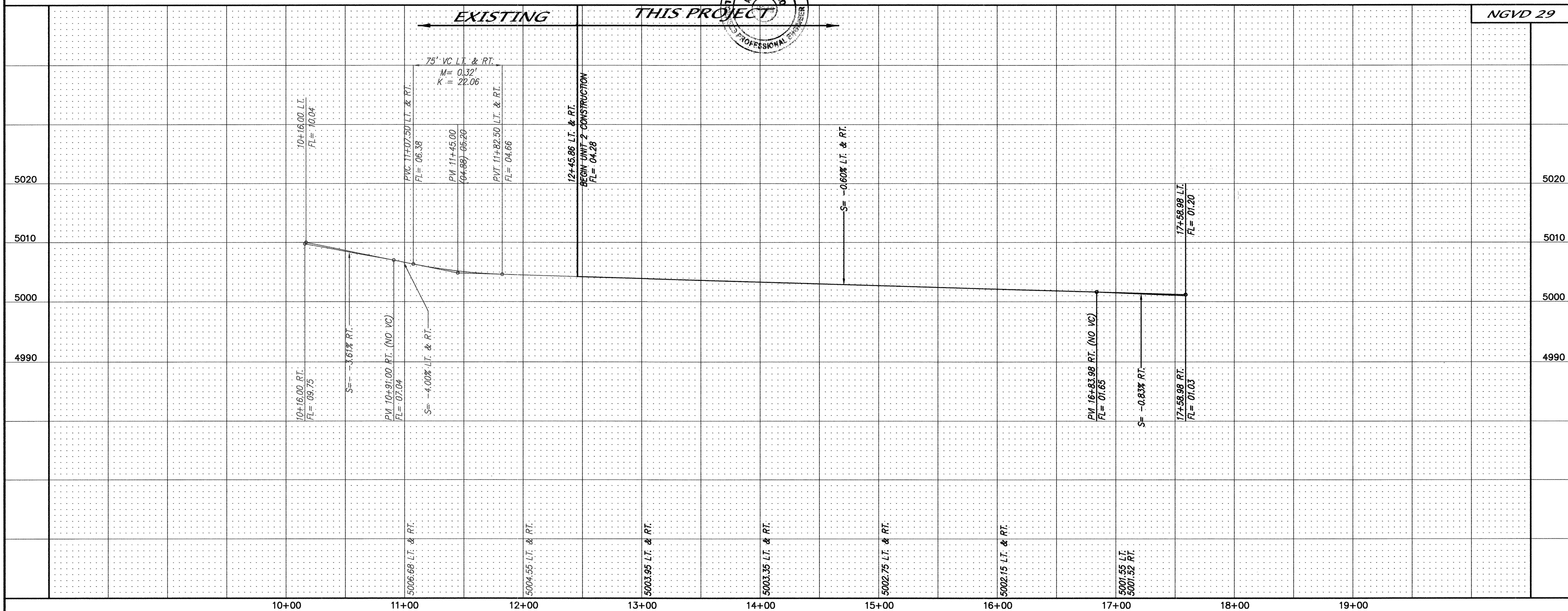
Mark Goodwin, NMPE 8948, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS, Inc., NMPS number 7719.

Mark Goodwin 12/15/05

Mark Goodwin NMPE 8948



EXISTING THIS PROJECT



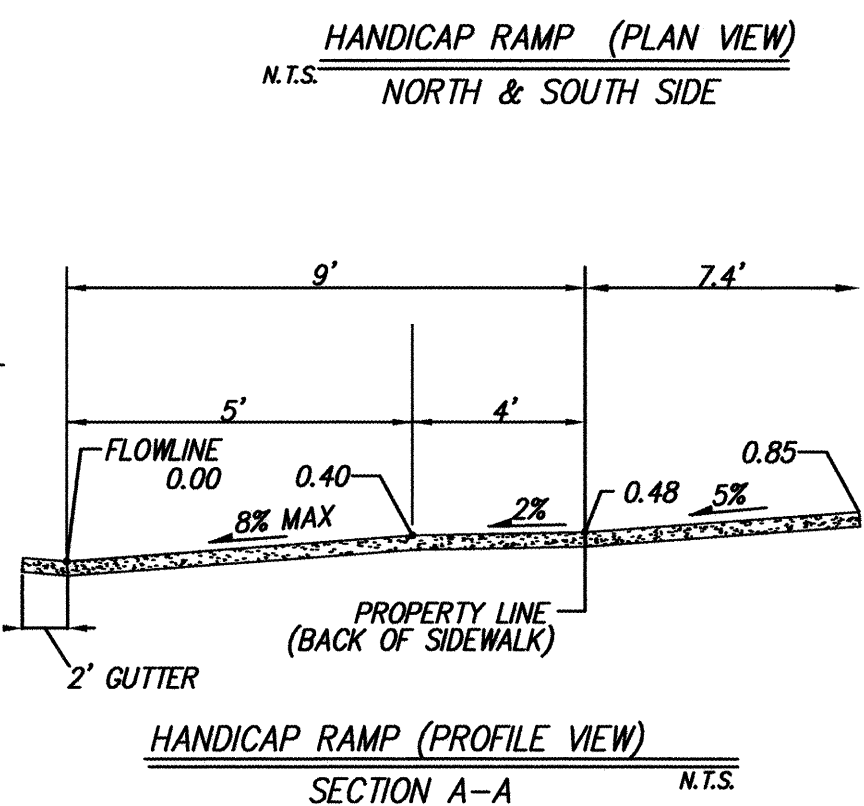
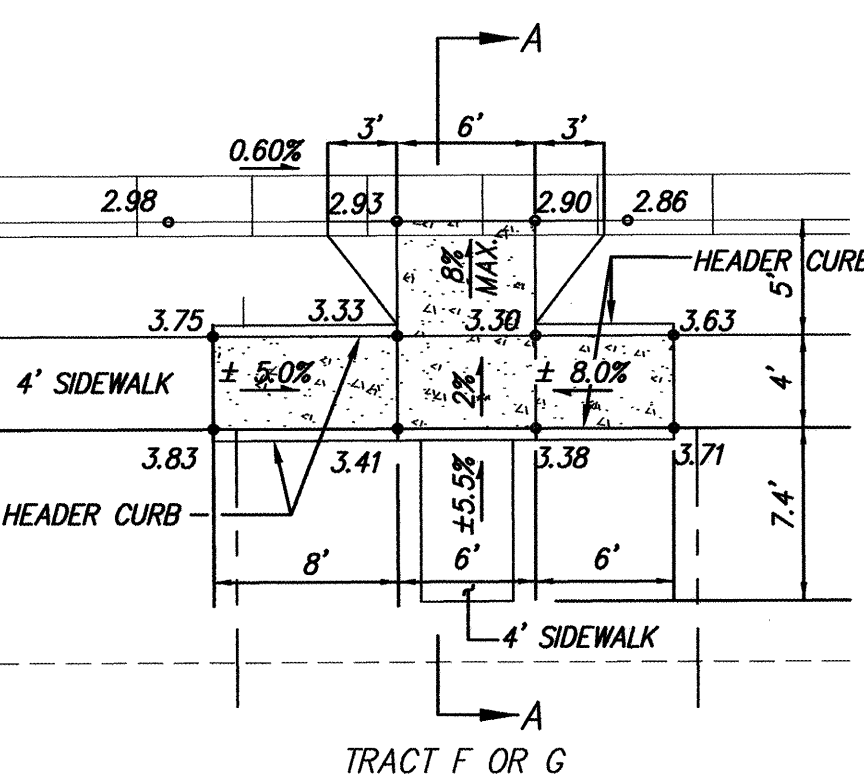
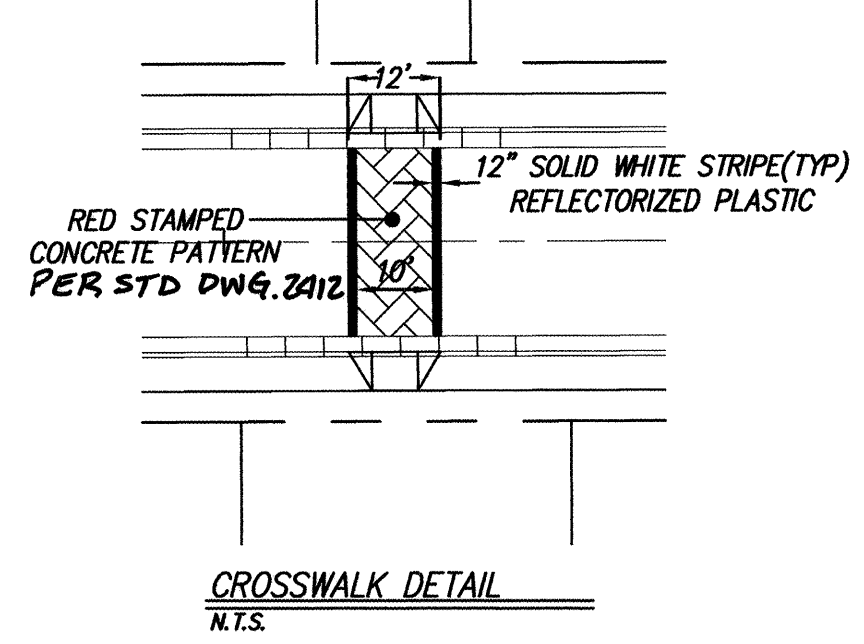
NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

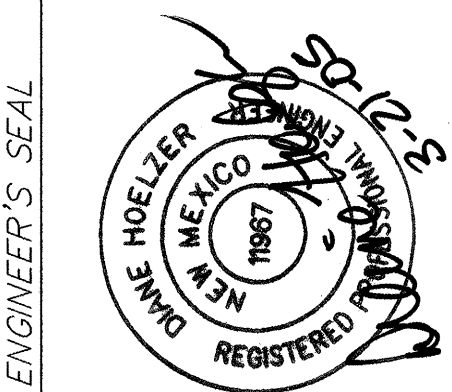
2. CONSTRUCT 4' MEANDERING SIDEWALK IN TRACTS G AND F.

CURVE DATA - DESCRIBES CENTERLINE			
①	$\Delta = 738'49"$ $R = 300'$ $T = 20.05'$ $L = 40.04'$	②	$\Delta = 747'43"$ $R = 300'$ $T = 20.44'$ $L = 40.82'$

CURVE DATA - DESCRIBES FACE OF NEW CURB			
①	$\Delta = 90'00'00"$ $R = 25'$ $T = 39.27'$	②	$\Delta = 90'00'00"$ $R = 25'$ $T = 39.27'$
③	$\Delta = 738'49"$ $R = 286'$ $T = 19.11'$ $L = 38.17'$	④	$\Delta = 738'49"$ $R = 314'$ $T = 20.99'$ $L = 41.91'$
⑤	$\Delta = 747'43"$ $R = 286'$ $T = 19.49'$ $L = 38.91'$	⑥	$\Delta = 747'43"$ $R = 314'$ $T = 21.39'$ $L = 42.72'$
⑦	$\Delta = 90'00'00"$ $R = 25'$ $T = 39.27'$	⑧	$\Delta = 90'00'00"$ $R = 25'$ $T = 39.27'$

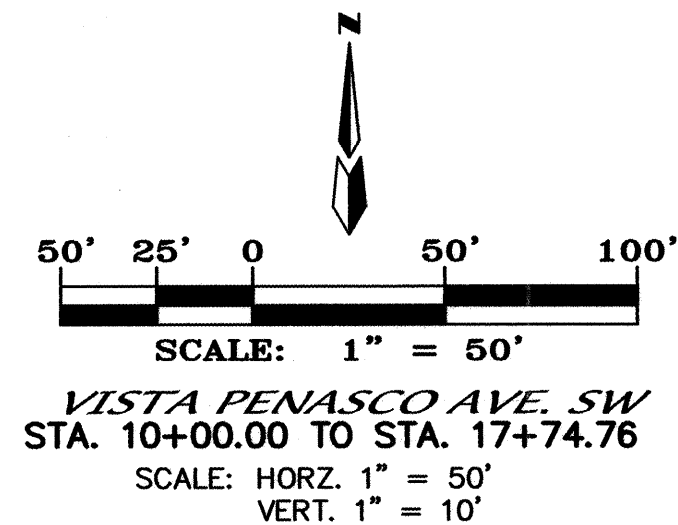
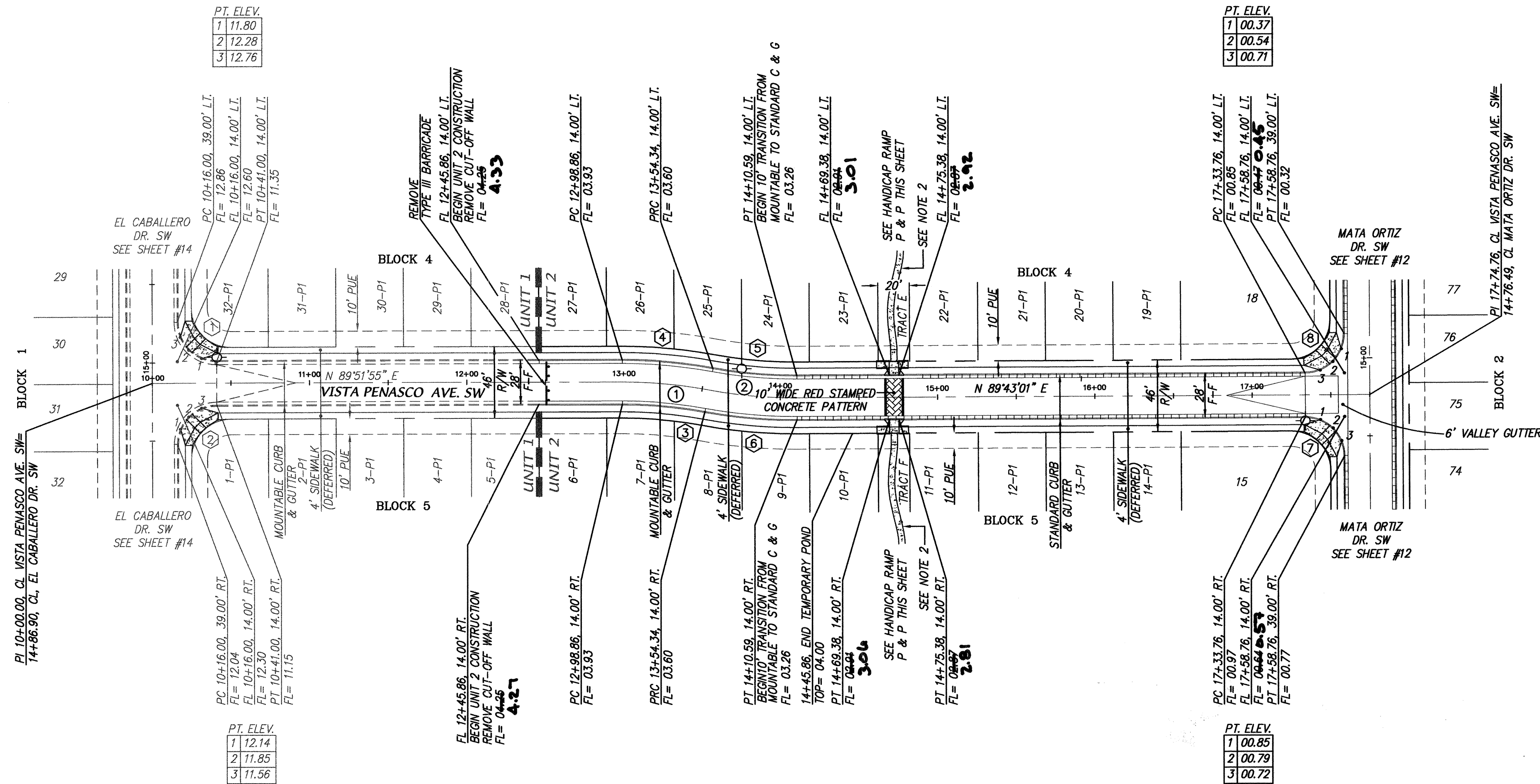


CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT	
TITLE: MESA AT ANDERSON HILLS UNIT 2 MESA SPRINGS AVE. SW PAVING IMPROVEMENTS	
DESIGN REVIEW COMMITTEE APPROVED APR 28 2005	CITY ENGINEER APPROVAL APPROVED MAY 12 2005 CITY ENGINEER
LAST DESIGN UPDATE	MO./DAY/YR.
CITY PROJECT NO. 708185	ZONE MAP NO. P-9
SHEET 9	OF 24



F:\02\08\2\05\ANH\dwg\MESA\Unit 2\MesaSprings-pp8.dwg, 3/17/2005 12:02:33 PM, MARK GOODWIN & ASSOCIATES, P.L.L.C., PLOTTED BY RDQ

SCANNED BY
PLANNING



NOTES

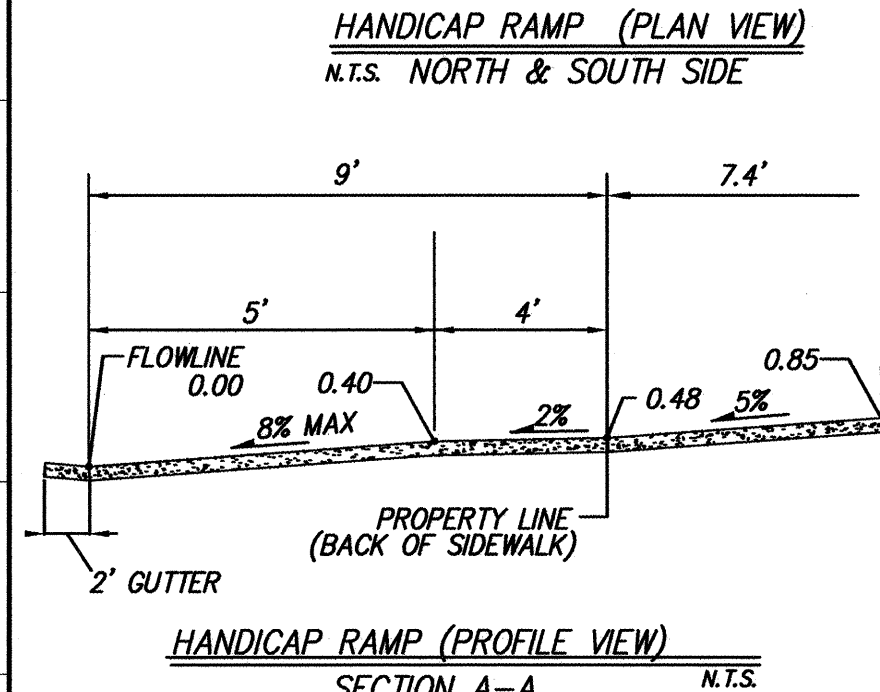
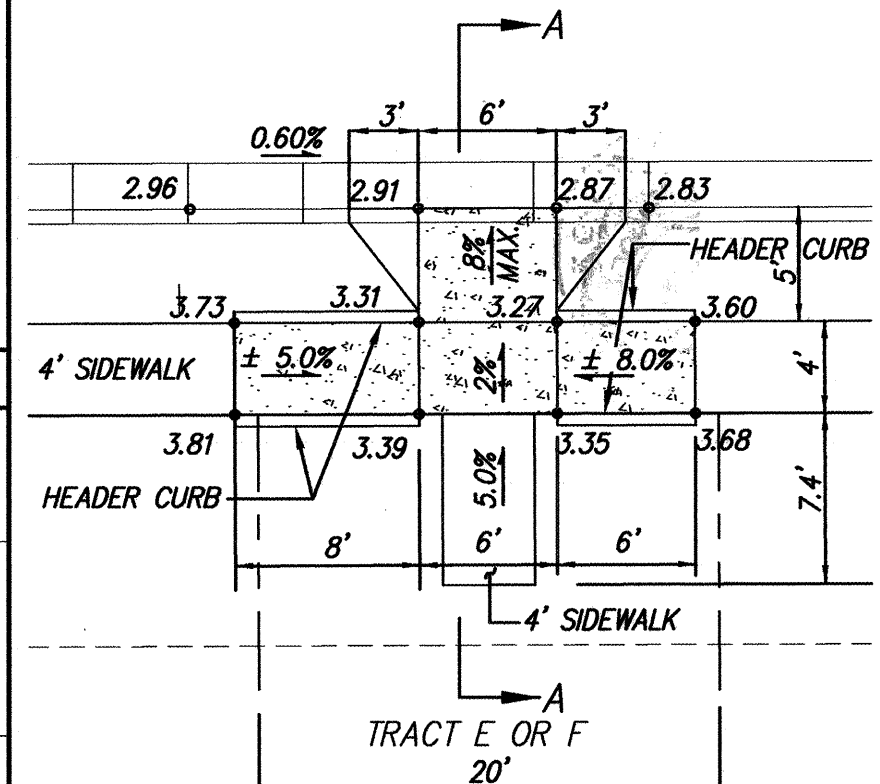
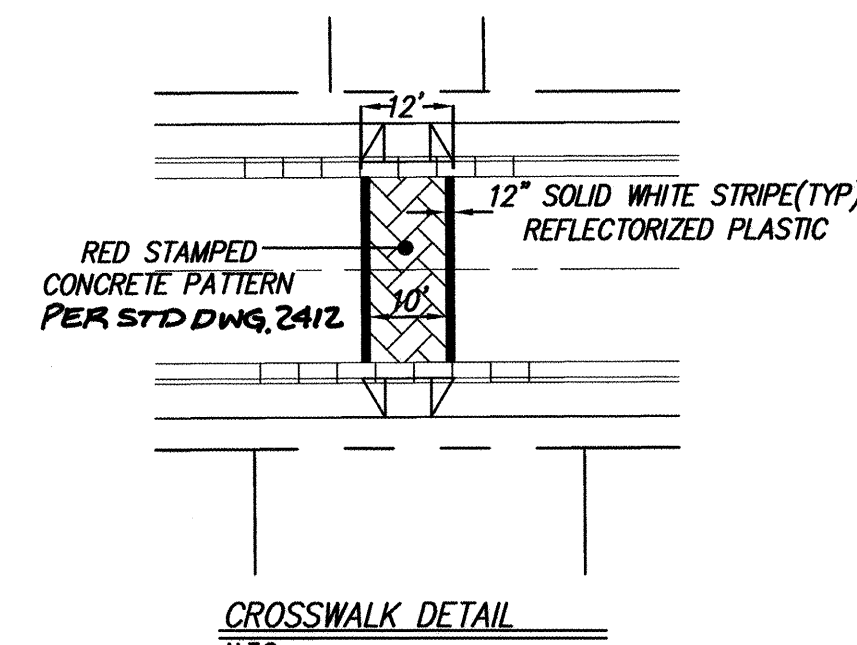
1. ALL STATIONING IS CENTERLINE STATIONING.
2. CONSTRUCT 4' MEANDERING SIDEWALK IN TRACTS E & F.

CURVE DATA - DESCRIBES CENTERLINE

- | | |
|--|--|
| ① $\Delta = 10'35''44''$
$R = 300'$
$T = 27.82'$
$L = 55.48'$ | ② $\Delta = 10'44''38''$
$R = 300'$
$T = 28.21'$
$L = 56.26'$ |
|--|--|

CURVE DATA - DESCRIBES FACE OF NEW CURB

- | | | |
|--|--|--|
| ① $\Delta = 90'00''00''$
$R = 25'$
$T = 25'$
$L = 39.27'$ | ② $\Delta = 90'00''00''$
$R = 25'$
$T = 25'$
$L = 39.27'$ | ③ $\Delta = 10'35''44''$
$R = 286'$
$T = 25'$
$L = 52.89'$ |
| ④ $\Delta = 10'35''44''$
$R = 314'$
$T = 29.12'$
$L = 58.07'$ | ⑤ $\Delta = 10'44''38''$
$R = 286'$
$T = 26.89'$
$L = 53.63'$ | ⑥ $\Delta = 10'44''38''$
$R = 314'$
$T = 29.53'$
$L = 58.88'$ |
| ⑦ $\Delta = 90'00''00''$
$R = 25'$
$T = 25'$
$L = 39.27'$ | ⑧ $\Delta = 90'00''00''$
$R = 25'$
$T = 25'$
$L = 39.27'$ | |



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



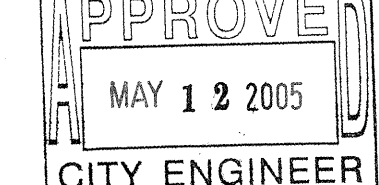
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: **MESA AT ANDERSON HILLS UNIT 2
VISTA PENASCO AVE. SW
PAVING IMPROVEMENTS**

DESIGN REVIEW COMMITTEE



CITY ENGINEER APPROVAL



CITY ENGINEER

LAST DESIGN UPDATE

CITY PROJECT NO.

708185

ZONE MAP NO.

P-9

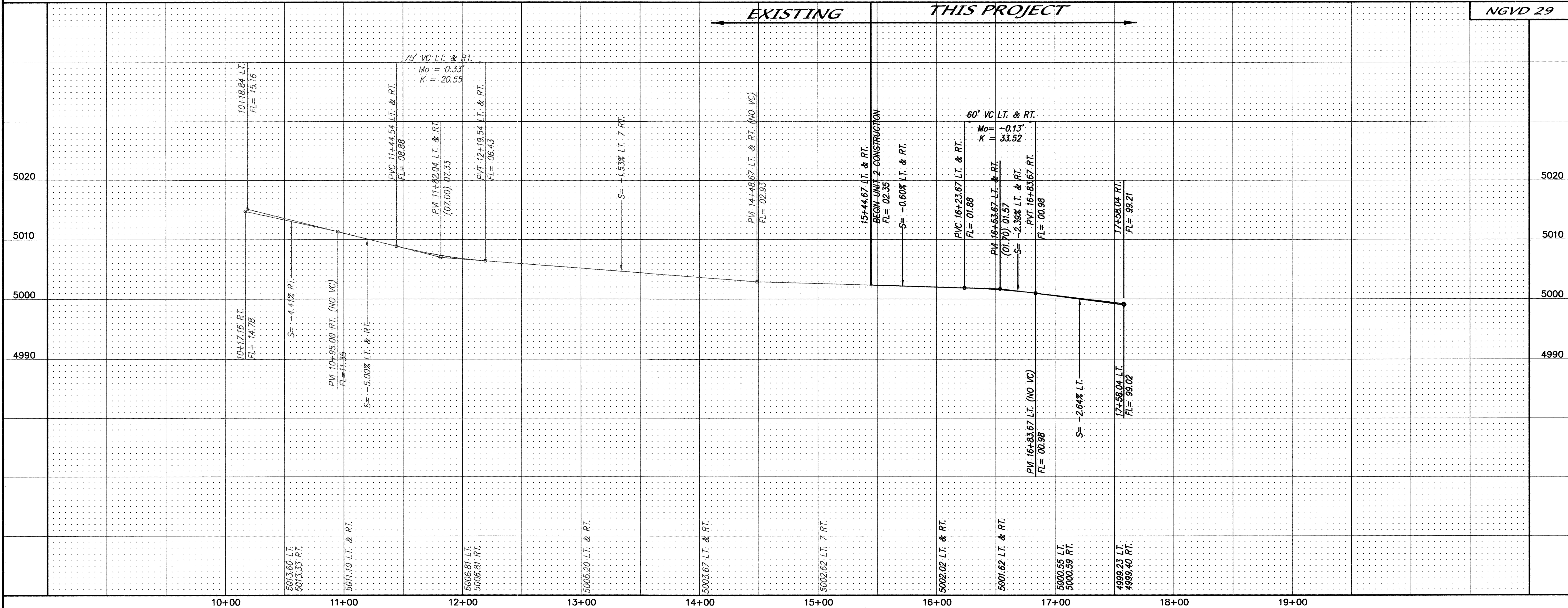
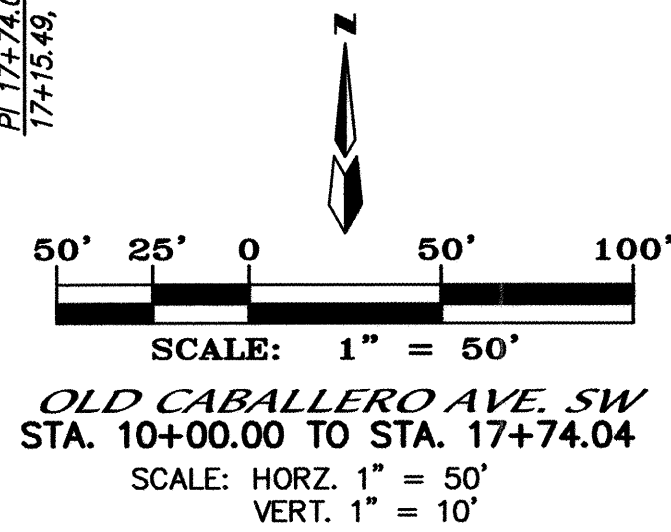
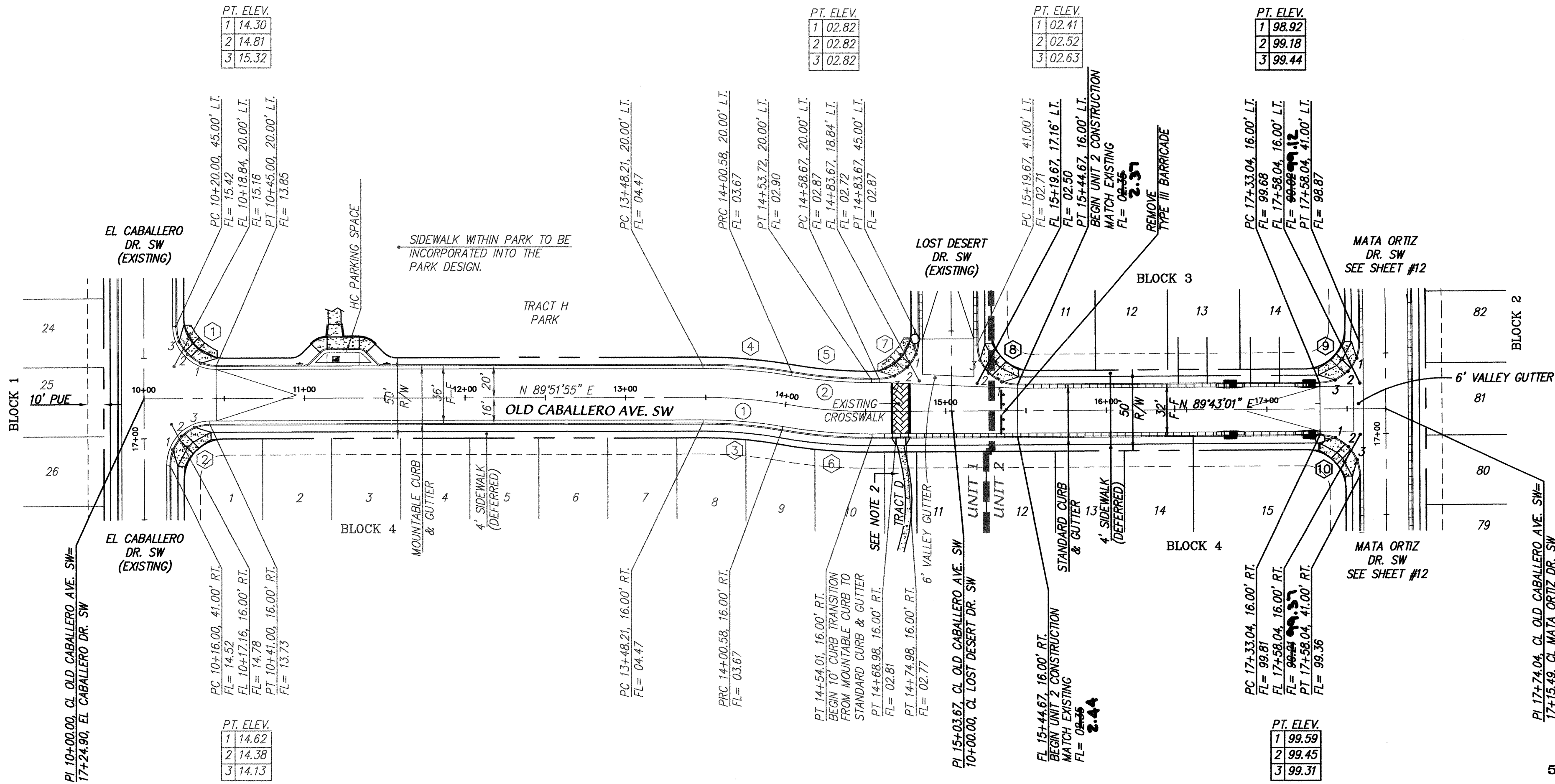
SHEET OF

10 24

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS
I, Mark Goodwin, NMPE 8948, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify to the best of my knowledge and belief, that the Infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS, Inc., NMPS number 7719.
Mark Goodwin NMPE 8948
12/15/05



SCANNED BY
PLANNING



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.
2. CONSTRUCT 4' MEANDERING SIDEWALK IN TRACT D.

CURVE DATA - DESCRIBES CENTERLINE

- | Curve No. | Δ (°) | R (ft) | T (ft) | L (ft) |
|-----------|-----------|--------|--------|--------|
| 1 | 10°00'04" | 300' | 26.25' | 52.37' |
| 2 | 10°08'58" | 300' | 26.64' | 53.14' |

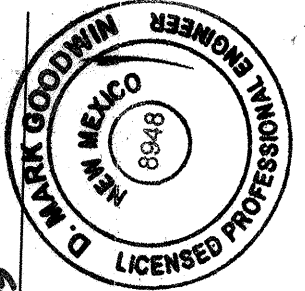
CURVE DATA - DESCRIBES FACE OF NEW CURB

- | Curve No. | Δ (°) | R (ft) | T (ft) | L (ft) |
|-----------|-----------|--------|--------|--------|
| 1 | 90°00'00" | 25' | 39.27' | 39.27' |
| 2 | 90°00'00" | 25' | 39.27' | 39.27' |
| 3 | 10°00'04" | 284' | 24.85' | 49.57' |
| 4 | 10°00'04" | 320' | 28' | 55.86' |
| 5 | 10°08'58" | 280' | 24.87' | 49.6' |
| 6 | 10°12'05" | 316' | 28.21' | 56.26' |
| 7 | 90°00'00" | 25' | 39.27' | 39.27' |
| 8 | 90°00'00" | 25' | 39.27' | 39.27' |
| 9 | 90°00'00" | 25' | 39.27' | 39.27' |
| 10 | 90°00'00" | 25' | 39.27' | 39.27' |

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Mark Goodwin, NMPE 8948, of the firm, Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the structure installed as part of this project has been inspected by me or by a qualified professional engineer and that the design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certificate is based on site inspections by me or personnel under my direction, and survey information provided by A.L.S. Inc., NMPS number 17113.

Mark Goodwin
NMPE 8948

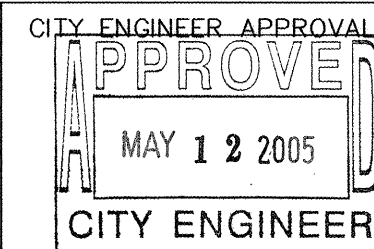


dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539



**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

TITLE: **MESA AT ANDERSON HILLS UNIT 2
OLD CABALLERO AVE. SW
PAVING IMPROVEMENTS**



NO.	DATE	REMARKS

CITY PROJECT NO.

708185

ZONE MAP NO.

P-9

SHEET

11 24

SCANNED BY
PLANNING

SPECIAL NOTE:
USE 3" AC PAVEMENT
SEE MASTER PAVING SHEET FOR MORE DETAIL

SPECIAL NOTE:
USE 4" AC PAVEMENT
SEE MASTER PAVING SHEET FOR MORE DETAIL

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

CURVE DATA - DESCRIBES CENTERLINE

① $\Delta = 141^{\circ}1'08''$
 $R = 300.00'$
 $T = 37.33'$
 $L = 74.27'$

CURVE DATA - DESCRIBES FACE OF NEW CURB

① $\Delta = 89^{\circ}56'03''$
 $R = 25.00'$
 $T = 24.97'$
 $L = 39.24'$

② $\Delta = 90^{\circ}33'57''$
 $R = 25.00'$
 $T = 25.03'$
 $L = 39.30'$

③ $\Delta = 90^{\circ}00'00''$
 $R = 25.00'$
 $T = 25.00'$
 $L = 39.27'$

④ $\Delta = 90^{\circ}00'00''$
 $R = 25.00'$
 $T = 25.00'$
 $L = 39.27'$

⑤ $\Delta = 90^{\circ}00'00''$
 $R = 25.00'$
 $T = 25.00'$
 $L = 39.27'$

⑥ $\Delta = 90^{\circ}00'00''$
 $R = 25.00'$
 $T = 25.00'$
 $L = 39.27'$

⑦ $\Delta = 90^{\circ}00'00''$
 $R = 25.00'$
 $T = 25.00'$
 $L = 39.27'$

⑧ $\Delta = 90^{\circ}00'00''$
 $R = 25.00'$
 $T = 25.00'$
 $L = 39.27'$

⑨ $\Delta = 141^{\circ}1'08''$
 $R = 300.00'$
 $T = 37.33'$
 $L = 74.27'$

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Mark Goodwin, NMPE 8948, of the firm, Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer, and that the original design intent of the approved plans has been met, except as noted by me on the as-built drawings. I am not providing any warranty or insurance by me or personnel under my direction, and survey information provided by ALS, Inc. NMES number 1719.

Mark Goodwin
NMPE 8948

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: MESA AT ANDERSON HILLS UNIT 2
MATA ORTIZ DR. SW
PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE
APPROVED
APR 28 2005
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
APPROVED
MAY 12 2005
CITY ENGINEER

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

CITY PROJECT NO.

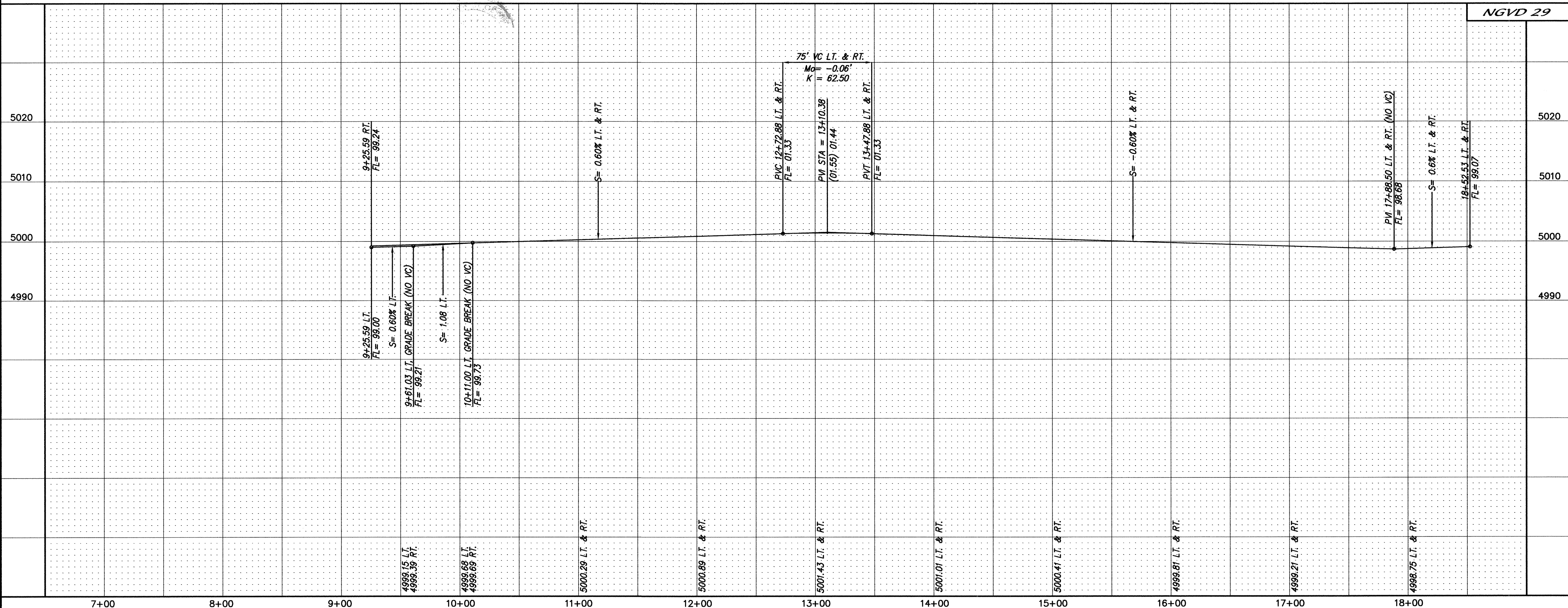
708185

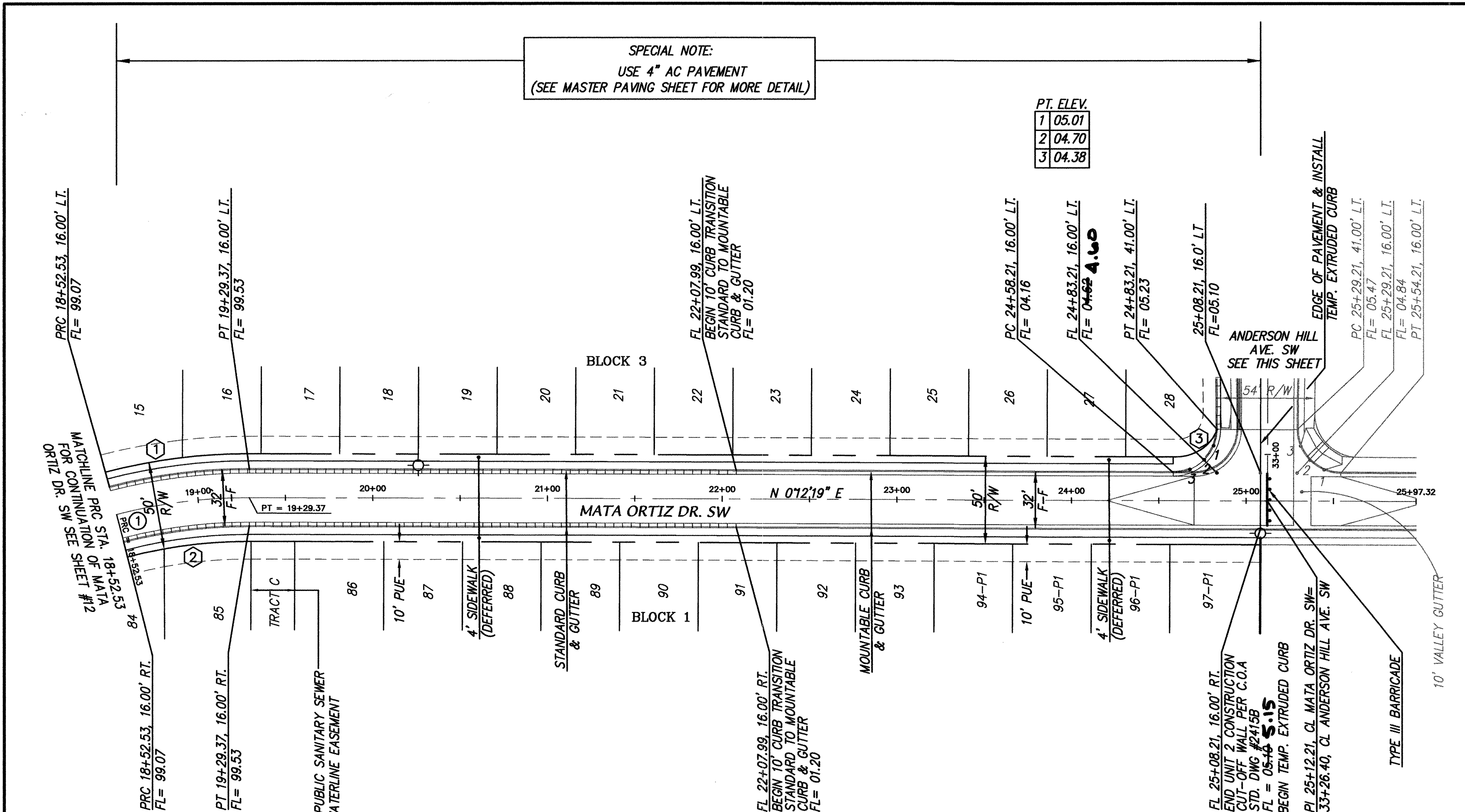
ZONE MAP NO.

P-9

SHEET OF

12 24

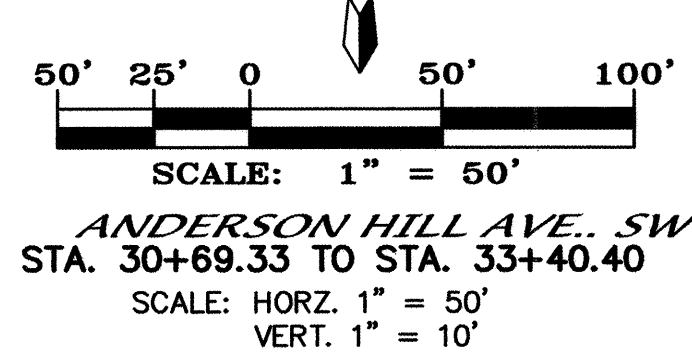
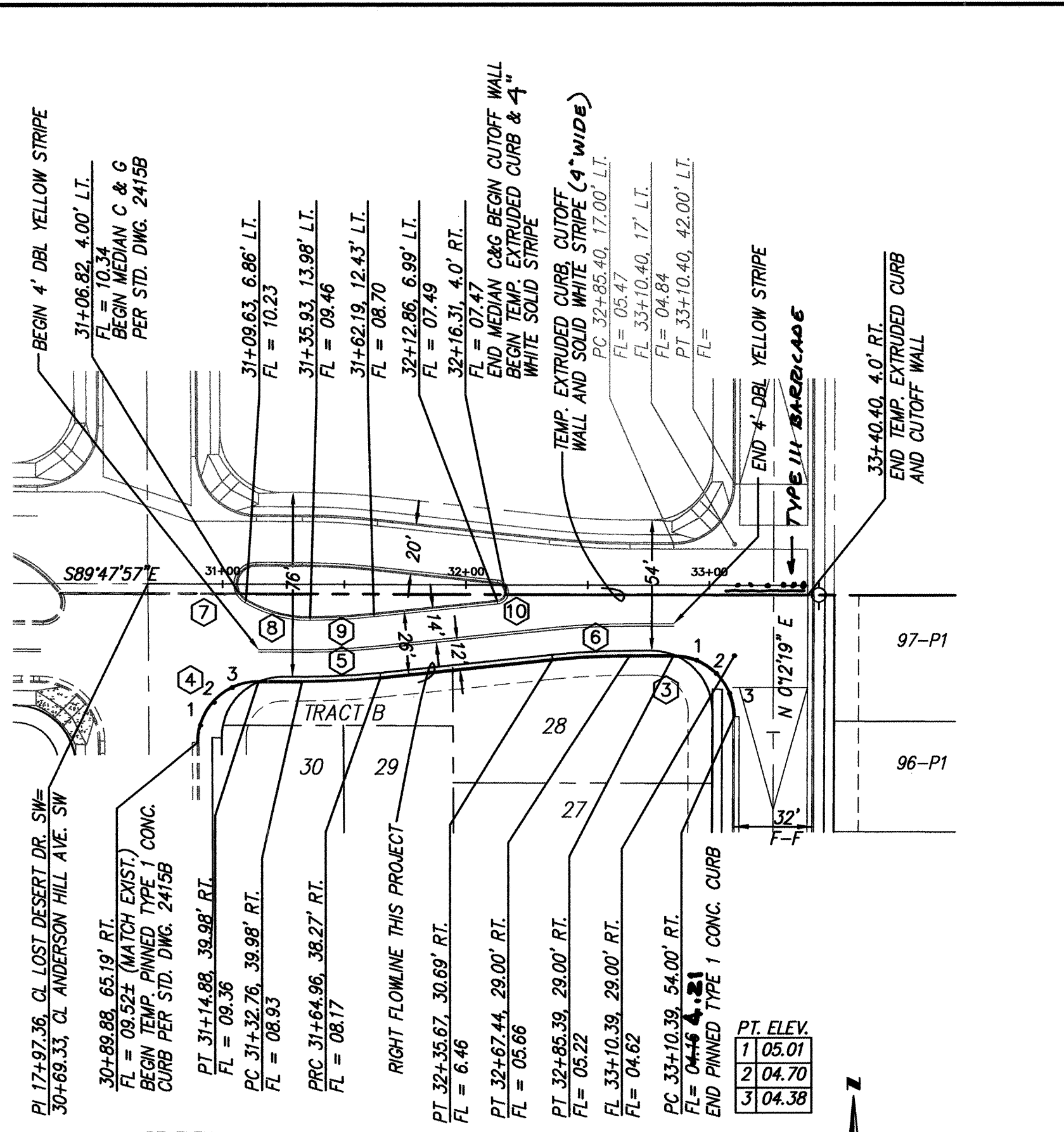
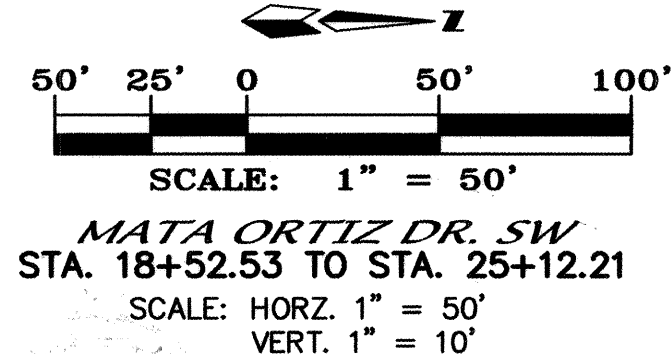




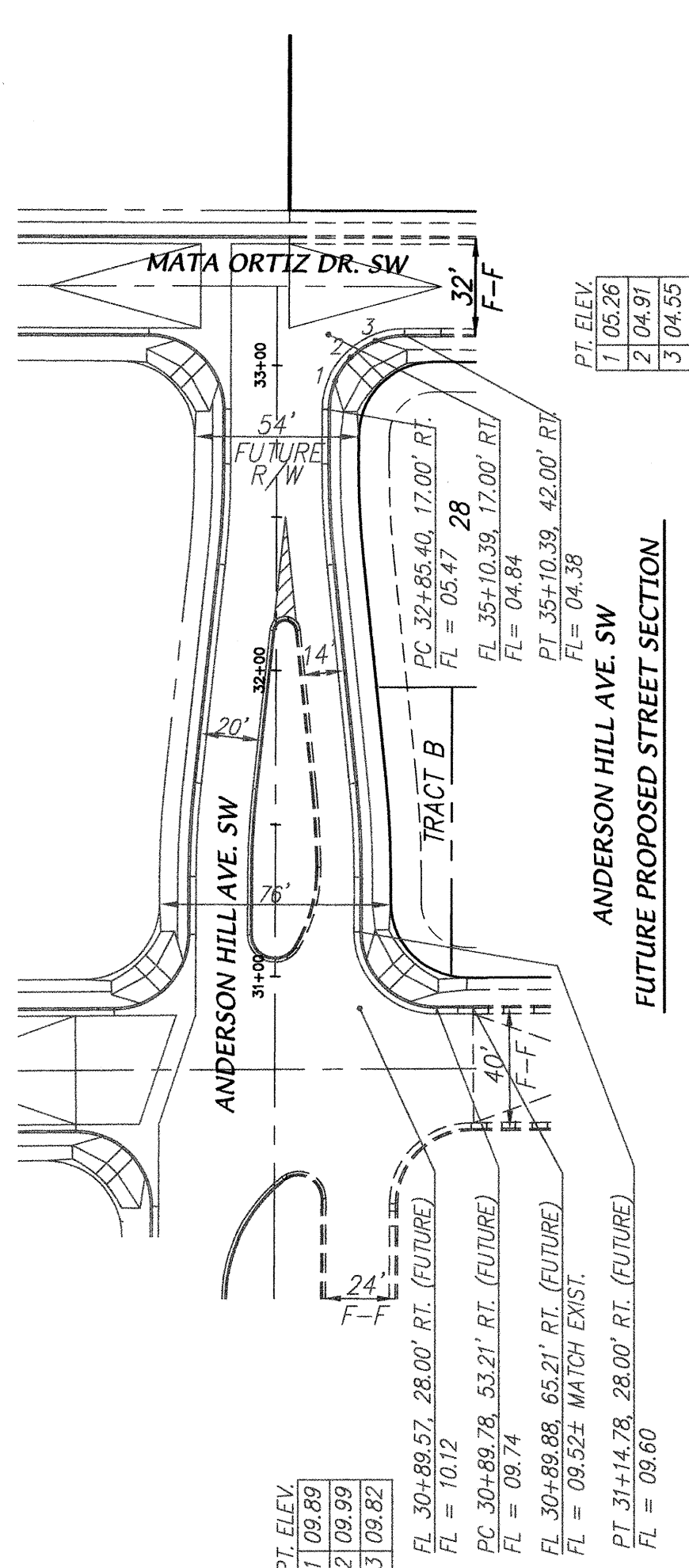
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Mark Goodwin, NMPE 11619, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by AL'S, Inc., NMPS number 7719.

Mark Goodwin 12/19/05



NOTES	
1. ALL STATIONING IS CENTERLINE STATIONING.	
CURVE DATA - DESCRIBES CENTERLINE	
①	$\Delta = 14'40'25''$ $R = 300'$ $T = 38.63'$ $L = 76.83'$
CURVE DATA - DESCRIBES FACE OF NEW CURB	
①	$\Delta = 14'40'25''$ $R = 316'$ $T = 40.69'$ $L = 80.93'$
②	$\Delta = 14'40'25''$ $R = 284'$ $T = 36.57'$ $L = 72.73'$
③	$\Delta = 90'00'16''$ $R = 25'$ $T = 25'$ $L = 39.27'$
④	$\Delta = 90'29'23''$ $R = 25.00'$ $T = 25.21'$ $L = 39.48'$
⑤	$\Delta = 06'07'10''$ $R = 302.00'$ $T = 16.14'$ $L = 32.26'$
⑥	$\Delta = 06'07'10''$ $R = 298.00'$ $T = 15.93'$ $L = 31.83'$
⑦	$\Delta = 29'02'12''$ $R = 8.00'$ $T = 2.07'$ $L = 4.05'$
⑧	$\Delta = 31'37'15''$ $R = 50.00'$ $T = 14.16'$ $L = 27.59'$
⑨	$\Delta = 05'27'43''$ $R = 276.00'$ $T = 13.17'$ $L = 26.31'$
⑩	$\Delta = 69'38'26''$ $R = 4.00'$ $T = 2.78'$ $L = 4.86'$



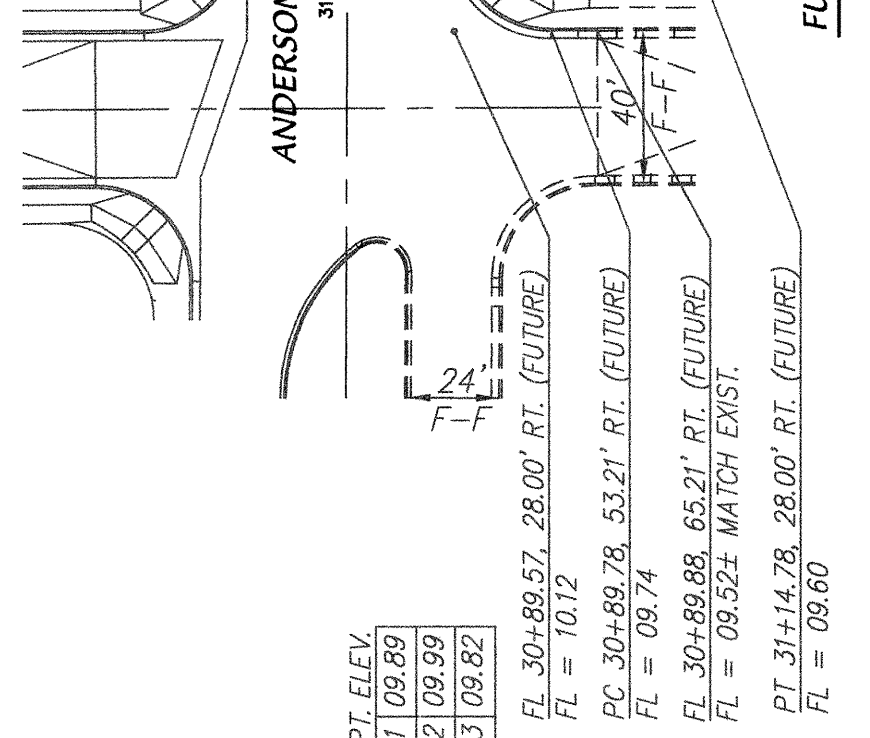
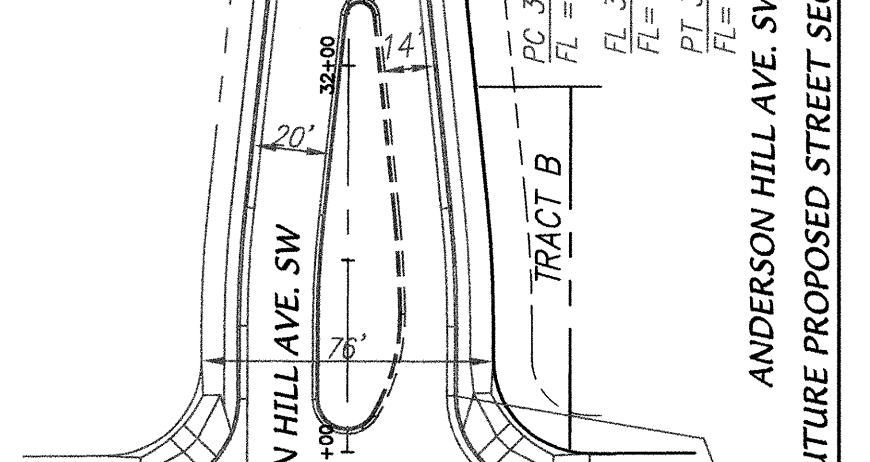
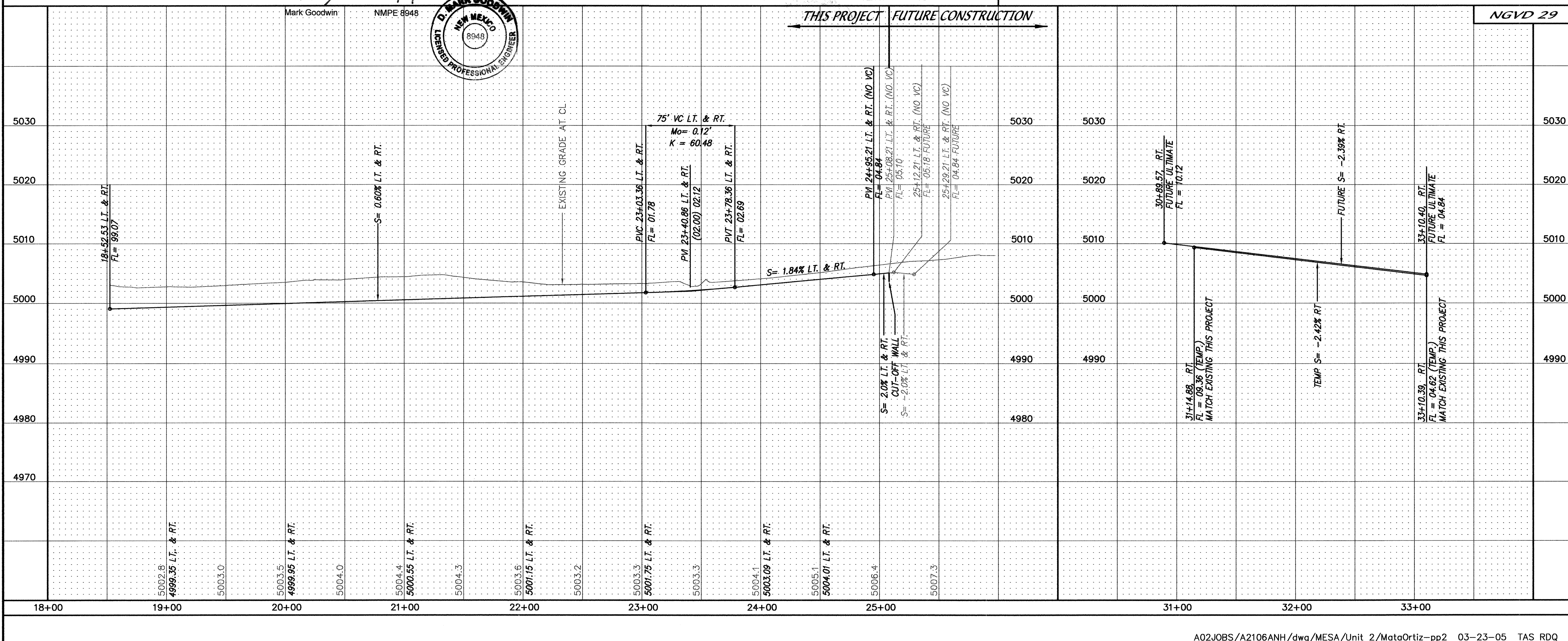
MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 80606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539



TITLE: MESA AT ANDERSON HILLS UNIT 2
MATA ORTIZ DR. SW & ANDERSON HILL AVE. SW
PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE APR 28 2005 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL MAY 12 2005 CITY ENGINEER	MO./DAY/YR. MO./DAY/YR.
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CITY PROJECT NO. 708185	ZONE MAP NO. P-9	SHEET 13	OF 24
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MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 80606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

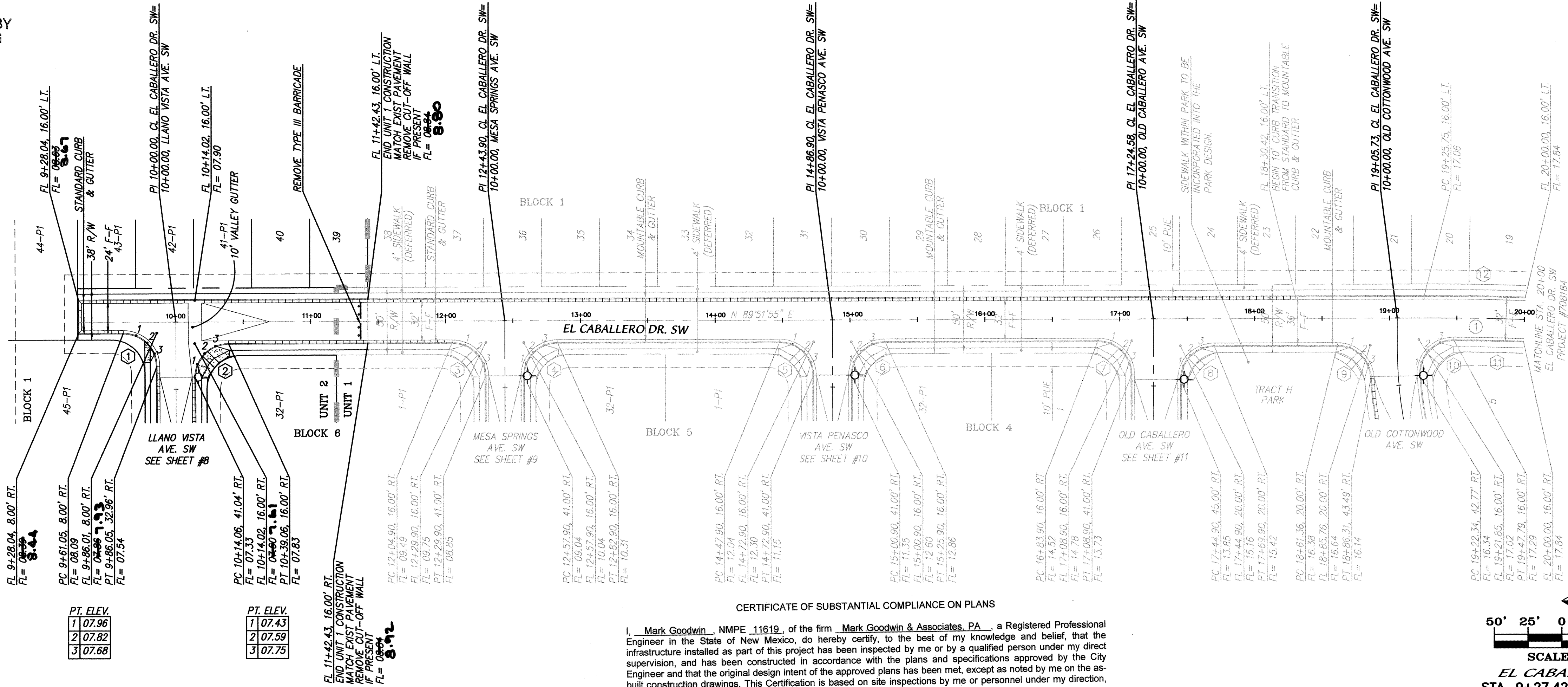


TITLE: MESA AT ANDERSON HILLS UNIT 2
MATA ORTIZ DR. SW & ANDERSON HILL AVE. SW
PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE APR 28 2005 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL MAY 12 2005 CITY ENGINEER	MO./DAY/YR. MO./DAY/YR.
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CITY PROJECT NO. 708185	ZONE MAP NO. P-9	SHEET 13	OF 24
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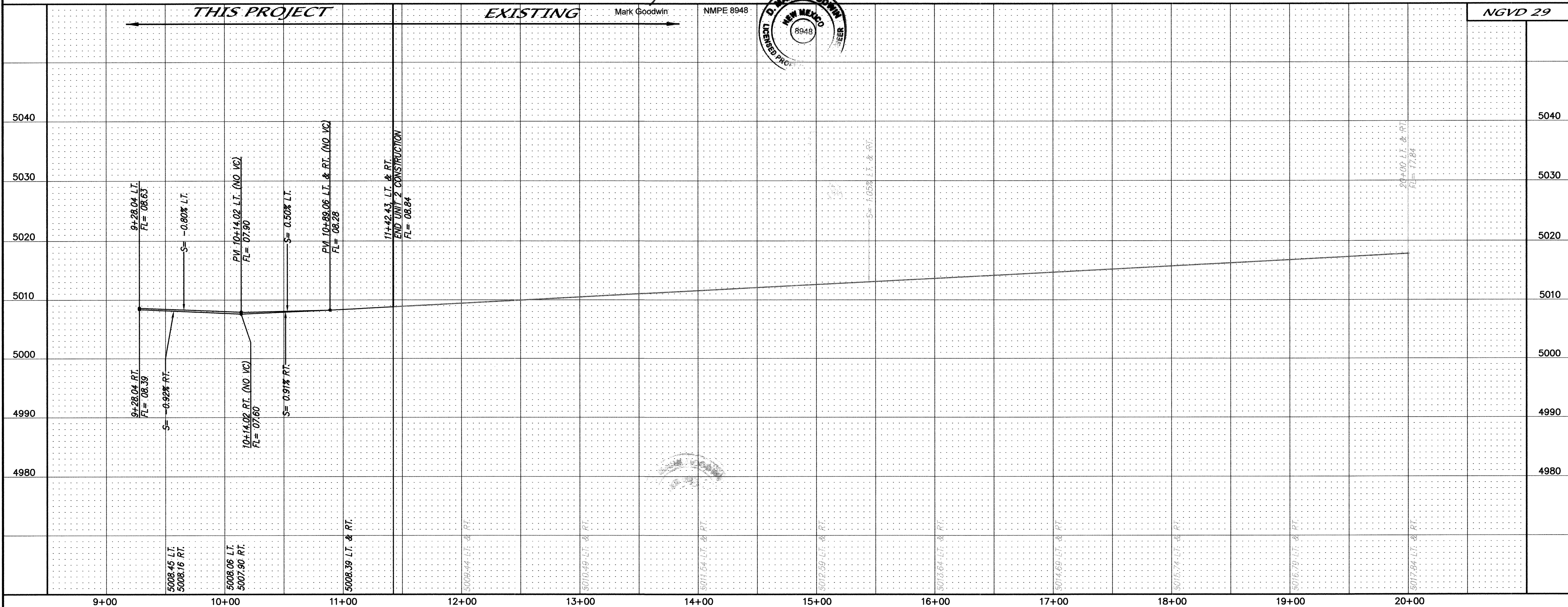
SCANNED BY
PLANNING



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Mark Goodwin, NMPE 11819, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS, Inc., NMPS number 7719.

Mark Goodwin 12/16/05



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

CURVE DATA - DESCRIBES FACE OF NEW CURB

① $\Delta = 89^{\circ}55'02''$
 $R = 25'$
 $T = 24.96'$
 $L = 39.23'$

② $\Delta = 90^{\circ}04'58''$
 $R = 25'$
 $T = 25.04'$
 $L = 39.31'$

AS BUILT INFORMATION

CONTRACTOR: Sundance
WORK: PAVING
DATE: 09/04
STATIONED BY: ALS
ACCEPTANCE BY: ALS
FIELD LOCATION BY: ALS
DRAWINGS: ALS
CORRECTED BY: ALS
RECORDED BY: ALS
DATE: 09/04

STATION: 2+10.00 IS LOCATED 4.9 MI. SW OF DOWNTOWN ALBUQUERQUE TO REACH STATION FROM INT. OF COORS AND DENNIS CHAVEZ BLVD. (FORMERLY RIO BRAVO), GO N. ON COORS 0.1 MI. TO FLORA VISTA AND GO WEST ON FLORA VISTA 0.5 MI. TO CONDERSHIRE, THEN GO S. ON CONDERSHIRE 0.4 MI. TO A POINT APPROX. 50 FT. W. OF THE STATION. STATION MARK IS AN ACS 3 1/4" ALUM CAP STAMPED "2+10.00 1987" RIVETED TO A PIPE PROJECTING 0.25 FT ABOVE THE GROUND. X=35841.13, Y=146348.24 (NAD 27) Z=4991 (NGVD 29).

SURVEY INFORMATION

FIELD NOTES
NO. BY DATE
1. BY DATE
2. BY DATE
3. BY DATE
4. BY DATE
5. BY DATE
6. BY DATE
7. BY DATE
8. BY DATE
9. BY DATE
10. BY DATE



NO.	DATE	REMARKS	BY
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

TITLE: **MESA AT ANDERSON HILLS UNIT 2
EL CABALLERO DR. SW
PAVING IMPROVEMENTS**

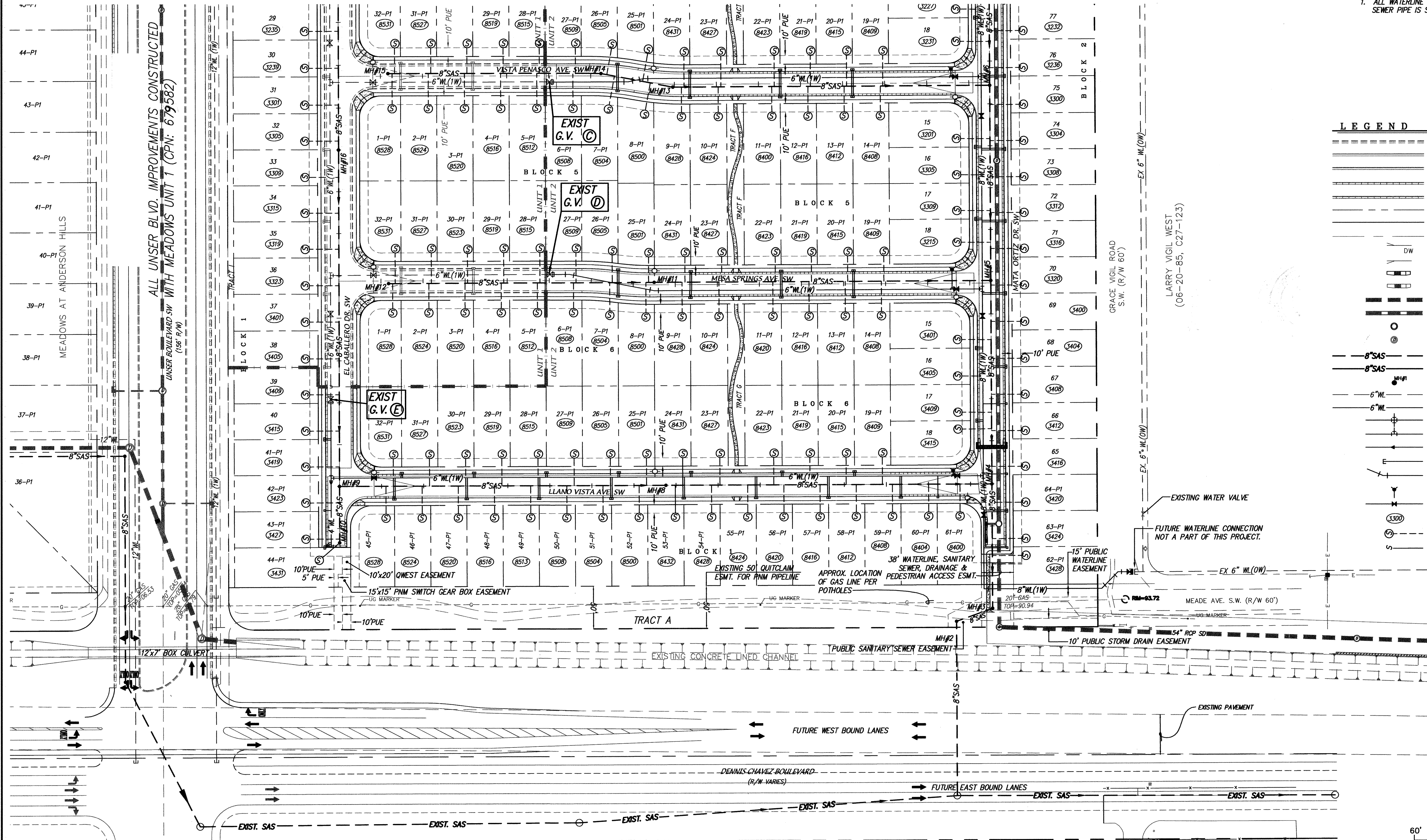
DESIGN REVIEW COMMITTEE: **APPROVED APR 28 2005**

CITY ENGINEER APPROVAL: **APPROVED MAY 12 2005**

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

CITY PROJECT NO. **708185** ZONE MAP NO. **P-9** SHEET **14** OF **24**

SEE SHEET 16 OF 24



NOTES

1. ALL WATERLINE PIPE IS C-900 PVC AND ALL SANITARY SEWER PIPE IS SDR35 PVC UNLESS OTHERWISE NOTED.

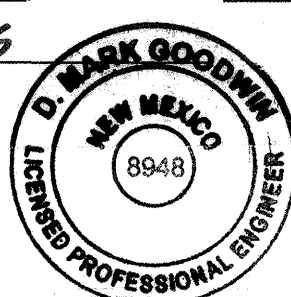
LEGEND

- EXISTING CURB AND GUTTER
- NEW MOUNTABLE CURB AND GUTTER
- FUTURE MOUNTABLE CURB AND GUTTER
- NEW STANDARD CURB AND GUTTER
- FUTURE STANDARD CURB AND GUTTER
- LOT LINE
- RIGHT-OF-WAY LINE/PROPERTY LINE
- CENTERLINE
- NEW DRIVEWAY LOCATION (BY OTHERS)
- NEW STORM DRAIN INLET
- EXISTING STORM DRAIN INLET
- EXISTING STORM DRAIN
- NEW STORM DRAIN LINE
- NEW STORM DRAIN MANHOLE
- EXISTING STORM DRAIN MANHOLE
- 8\"/>

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Mark Goodwin, NMPE 11619, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS, Inc., NMPS number 7719.

Mark Goodwin NMPE 8948



VALVE SHUT-OFF PLAN

1. MAKE SURE GATE VALVES A, B, C, D, AND E ARE SHUT OFF BEFORE MAKING NON-PRESSURE CONNECTIONS.
2. CONTRACTOR WILL CONTACT WATER SYSTEMS AT 857-8200 3 DAYS PRIOR TO NECESSARY SHUT-OFF.
3. VALVES SHALL ONLY BE OPERATED BY CITY WATER EMPLOYEES.

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: MESA AT ANDERSON HILLS
MASTER UTILITY PLAN

DESIGN REVIEW COMMITTEE
APPROVED
APR 28 2005
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
APPROVED
MAY 12 2005
CITY ENGINEER

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

CITY PROJECT NO. 708185 ZONE MAP NO. P-9 SHEET 15 OF 24

CANNED BY
PLANNING

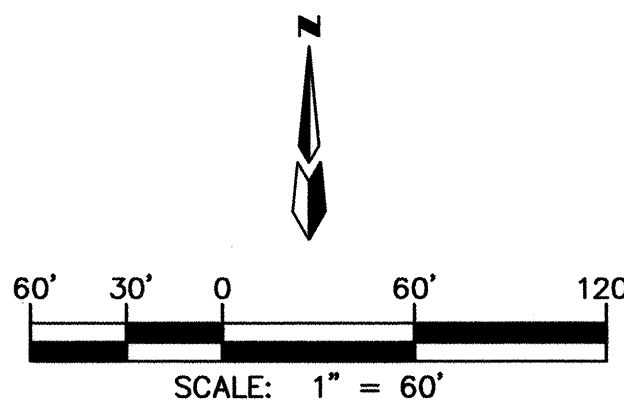
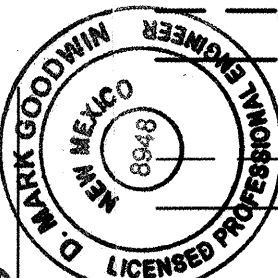
LANDS OF SALAZAR-DAVIS
TRACT 1
(05-06-86, C30-91)

EXIST
G.V. (A)

LEGEND

- EXISTING CURB AND GUTTER
- NEW MOUNTABLE CURB AND GUTTER
- FUTURE MOUNTABLE CURB AND GUTTER
- NEW STANDARD CURB AND GUTTER
- FUTURE STANDARD CURB AND GUTTER
- LOT LINE
- RIGHT-OF-WAY LINE/PROPERTY LINE
- CENTERLINE
- NEW DRIVEWAY LOCATION (BY OTHERS)
- NEW STORM DRAIN INLET
- EXISTING STORM DRAIN INLET
- NEW STORM DRAIN LINE
- NEW STORM DRAIN MANHOLE
- EXISTING STORM DRAIN MANHOLE
- EXISTING SANITARY SEWER LINE
- NEW SANITARY SEWER LINE
- NEW SANITARY SEWER MANHOLE
- EXISTING WATERLINE
- NEW WATERLINE
- NEW WATERLINE CROSS
- NEW WATERLINE TEE
- NEW WATERLINE REDUCER
- NEW WATERLINE CAP
- NEW WATERLINE BEND
- NEW FIRE HYDRANT
- NEW GATE VALVE
- NEW ADDRESS
- EXISTING SAS SERVICE
- PROPOSED SAS SERVICE

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS
I, Mark Goodwin, NMPE 11819, of the firm, Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City of Albuquerque, New Mexico. This certification is based on the information provided to me by the engineer of record and the survey information provided by A.L.S. Inc. NMPS number 7719.
Mark Goodwin
NMPE 8848
12/18/05



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: MESA AT ANDERSON HILLS
MASTER UTILITY PLAN

DESIGN REVIEW COMMITTEE
APR 28 2005
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
APPROVED
MAY 12 2005
CITY ENGINEER

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

CITY PROJECT NO. 708185 ZONE MAP NO. P-9 SHEET 16 OF 24

ALL UNSER BLVD. IMPROVEMENTS CONSTRUCTED
WITH MEADOWS UNIT 1 (CPN: 679582)

SEE SHEET 15 OF 24

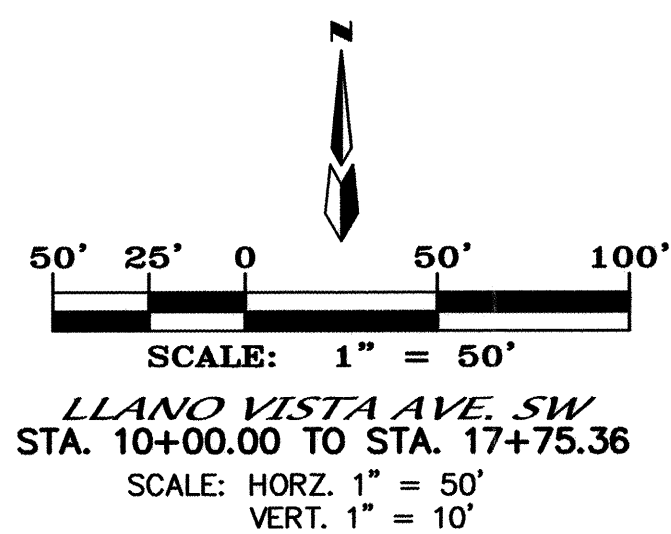
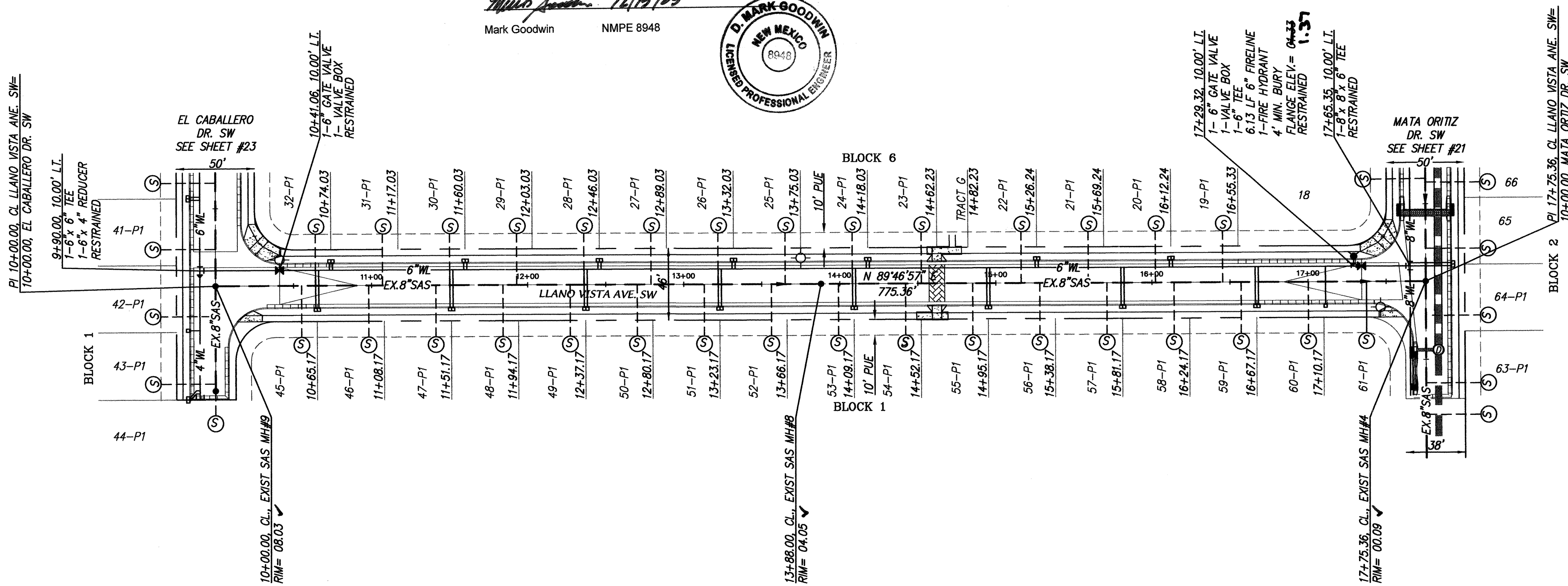
A02JOBS/A2106ANH/dwg/MESA/Unit 2/A2106-mul-U2 03-21-05 TAS RDQ

SCANNED BY
PLANNING

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

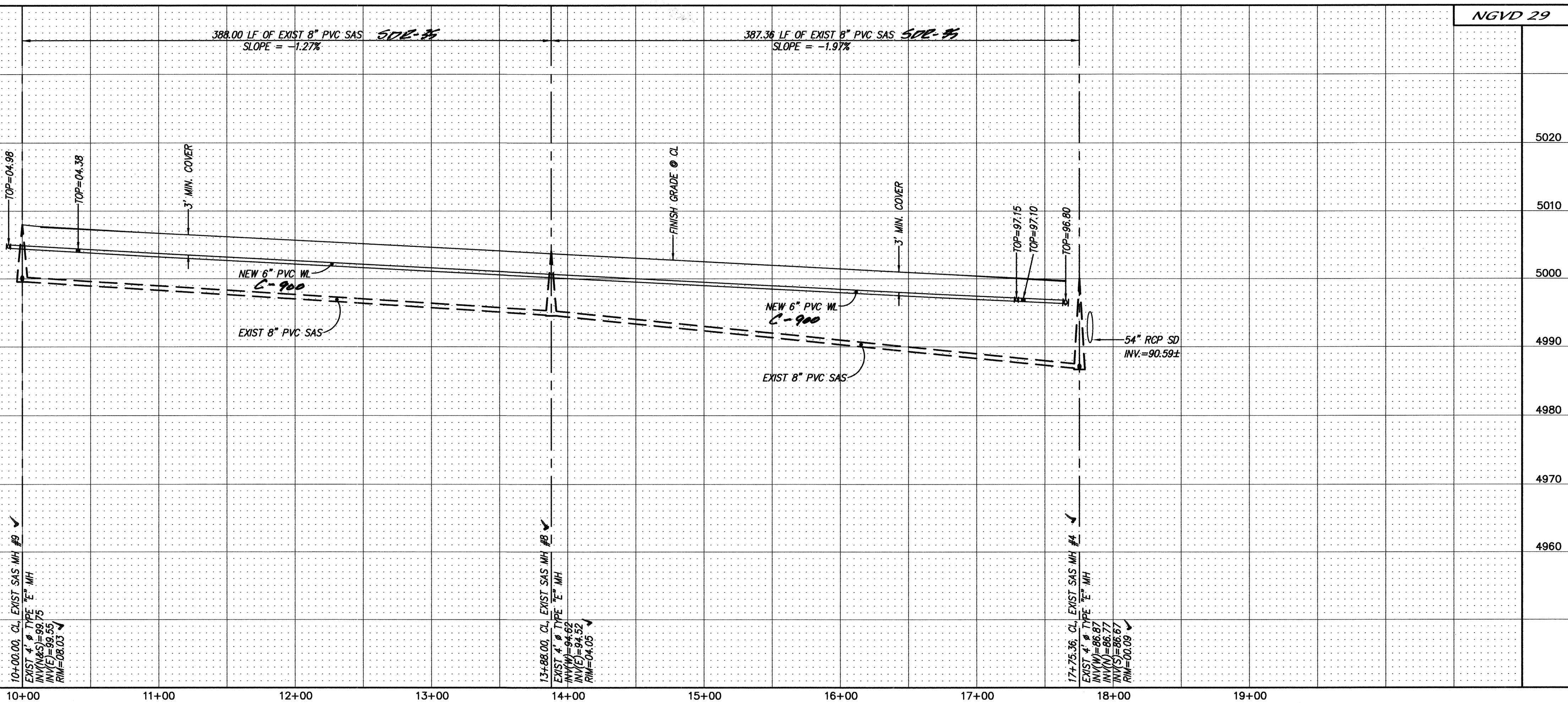
I, Mark Goodwin, NMPE 11619, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS, Inc., NMPS number 7719.

Mark Goodwin 12/15/05
Mark Goodwin NMPE 8948



388.00 LF OF EXIST 8" PVC SAS
SLOPE = -1.27%

387.36 LF OF EXIST 8" PVC SAS
SLOPE = -1.97%



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

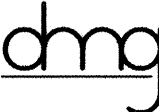
RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)					
PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	3'	2'	46'

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 LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
6"x6"x4"	4'	7'
6"x6"x6"	10'	2'
8"x8"x6"	7'	5'

EXISTING SANITARY SEWER SERVICES BUILT WITH MESA UNIT 1

BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
1	45-P1	10+55.17	02.23'	33.00'
1	46-P1	10+98.17	01.72'	33.00'
1	47-P1	11+41.17	01.27'	33.00'
1	48-P1	11+84.17	00.82'	33.00'
1	49-P1	12+27.17	00.37'	33.00'
1	50-P1	12+70.17	99.92'	33.00'
1	51-P1	13+13.17	99.47'	33.00'
1	52-P1	13+56.17	99.01'	33.00'
1	53-P1	13+99.17	98.56'	33.00'
1	54-P1	14+42.17	98.11'	33.00'
1	55-P1	14+85.17	97.66'	33.00'
1	56-P1	15+28.17	97.21'	33.00'
1	57-P1	15+71.17	96.76'	33.00'
1	58-P1	16+14.17	96.31'	33.00'
1	59-P1	16+57.17	95.86'	33.00'
1	60-P1	17+00.17	95.41'	33.00'
1	61-P1	17+37.42	95.03'	33.00'



MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS

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P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TITLE: **MESA AT ANDERSON HILLS UNIT 2
LLANO VISTA AVE. SW
UTILITY IMPROVEMENTS**

DESIGN REVIEW COMMITTEE
APPROVED
APR 28 2005
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
APPROVED
MAY 12 2005
CITY ENGINEER

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

CITY PROJECT NO. **708185** ZONE MAP NO. **P-9** SHEET **17** OF **24**

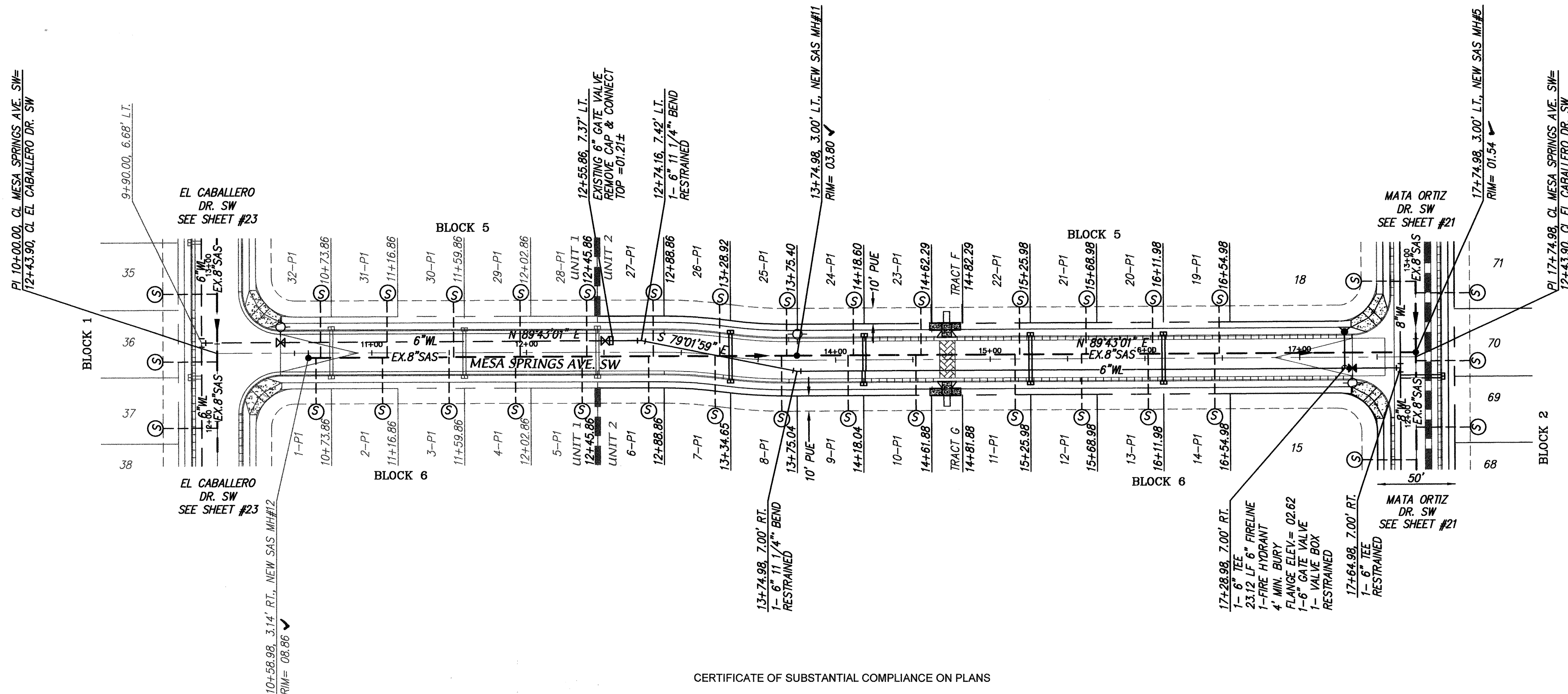
BENCH MARKS		AS-BUILT INFORMATION	
STATION "2-P10" IS LOCATED 4.9 MI. SW OF DOWNTOWN ALBUQUERQUE TO REACH STATION FROM INT. OF COORS AND DENNIS CHAVEZ BLVD. (FORMERLY RIO BRAVO), 60 N. ON COORS 0.1 MI. TO FLORA VISTA AND 60 WEST ON FLORA VISTA 0.5 MI. TO CONDERSHIRE, THEN GO S. ON CONDERSHIRE 0.4 MI. TO A POINT APPROX. 90 FT. W. OF THE STATION. STATION MARK IS AN ACS 3 1/4" ALUM CAP STAMPED "2-P10, 1987" RIVETED TO A PIPE PROJECTING 0.25 FT ABOVE THE GROUND. X=55841.13, Y=146349.24 (NAD 27) Z=4991 (NGVD 29).		CONTRACTOR Sandhata	WORK STAGED BY ALS DATE 12/15/05
		DESIGNED BY DLH	DATE 09/04
		DRAWN BY NHE	DATE 09/04
		CHECKED BY DWG	DATE 09/04



SURVEY INFORMATION		ENGINEER'S SEAL	
NO.	DATE	NO.	DATE

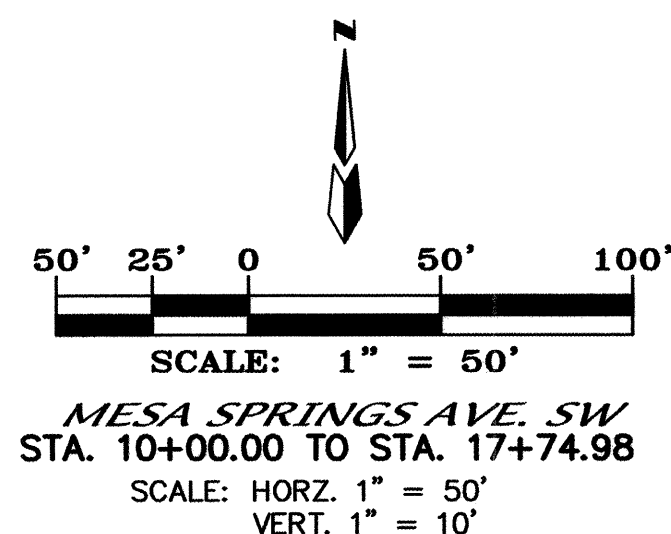
REVISIONS		DESIGN	
NO.	DATE	NO.	DATE

PI 10+00.00, CL MESA SPRINGS AVE. SW=
[12+43.90 CL ET CARALLERO DR SW



I, Mark Goodwin, NMPE 11619, of the firm Mark Goodwin & Associates, PA, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS Inc. NMPS number 7719.

Mark Goodin 12/15/05



1. ALL STATIONING IS CENTERLINE STATIONING.

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)					
PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	3'	2'	46'
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 LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
8"x8"x6"	15'	5'
6"x6"x6"	10'	2'

EXISTING SANITARY SEWER SERVICES BUILT WITH MESA UNIT 1

BLOCK	LOT	STATION AT PUE	INV. AT PUE	LENGTH AT PUE
5	19-P1	16+47.99	96.86	30.00'
5	20-P1	16+04.99	97.12	30.00'
5	21-P1	15+61.99	97.38	30.00'
5	22-P1	15+18.99	97.64	30.00'
5	23-P1	14+55.30	98.00	30.00'
5	24-P1	14+11.61	98.28	30.00'
5	25-P1	13+68.26	98.54	30.00'
5	26-P1	13+21.43	98.82	33.50'
5	27-P1	12+81.84	99.06	35.56'
5	28-P1	12+38.84	99.32	35.67'
5	29-P1	11+95.84	99.72	35.78'
5	30-P1	11+52.84	00.48	35.90'
5	31-P1	11+09.84	01.23	36.01'
5	32-P1	10+66.84	02.91	36.12'
6	1-P1	10+63.88	02.94	29.87'
6	2-P1	11+06.88	01.31	29.98'
6	3-P1	11+49.88	00.41	30.10'
6	4-P1	11+92.88	99.66	30.21'
6	5-P1	12+35.88	99.33	30.32'
6	6-P1	12+78.88	98.08	30.43'
6	7-P1	13+26.05	98.79	32.59'
6	8-P1	13+63.49	98.56	35.97'
6	9-P1	14+08.03	98.30	36.00'
6	10-P1	14+51.86	98.04	36.00'
6	11-P1	15+15.97	97.65	36.00'
6	12-P1	15+58.97	97.40	36.00'
6	13-P1	16+01.97	97.14	36.00'
6	14-P1	16+44.97	96.88	36.00'

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: *MESA AT ANDERSON HILLS UNIT 2
MESA SPRINGS AVE. SW
UTILITY IMPROVEMENTS*

DESIGN REVIEW COMMITTEE
APPROVED
APR 28 2005
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVA
APPROVED
MAY 12 2005
CITY ENGINEER

CITY PROJECT NO.

ZONE MAP NO.

SHEET

OF

A02JOBS/A2106ANH/dwg/MESA/Unit 2/MesaSprings-ut8 03-18-05 TAS RDQ

708185

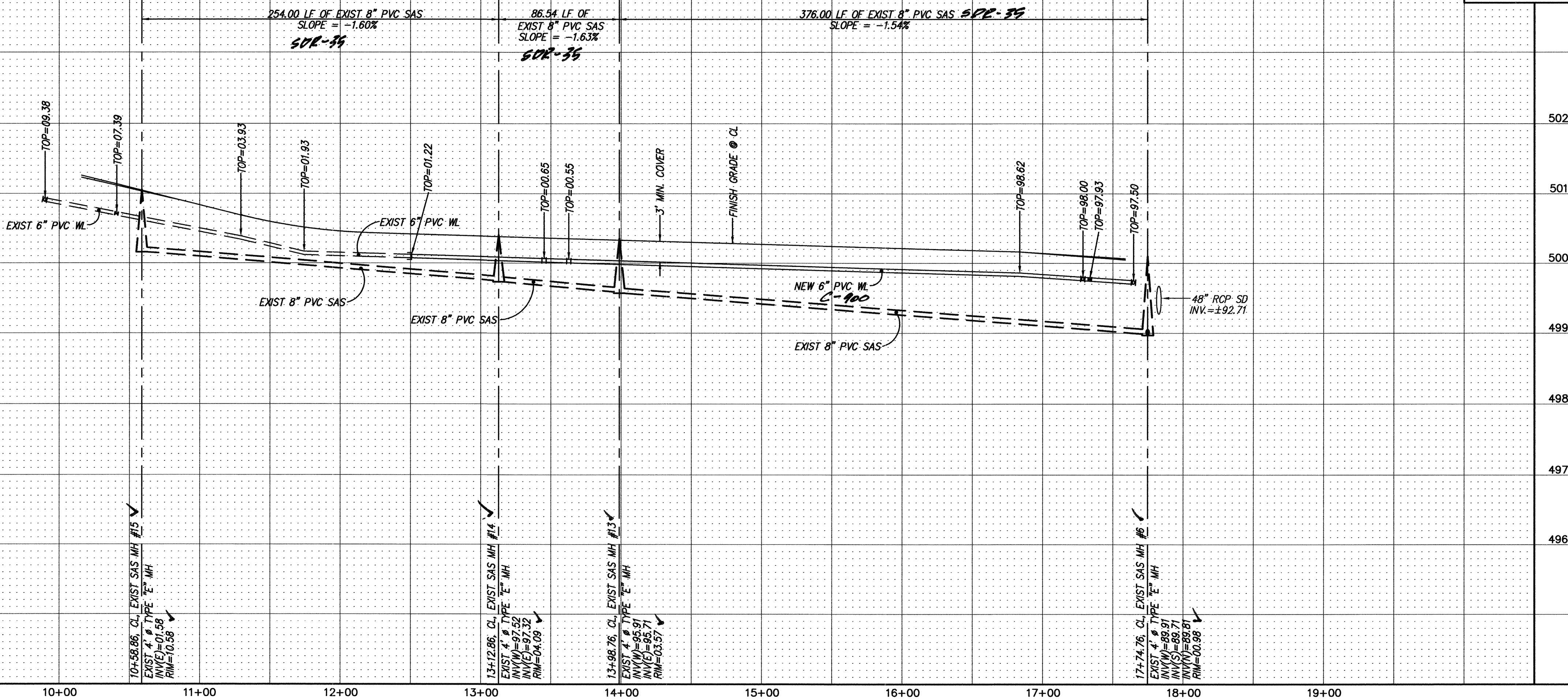
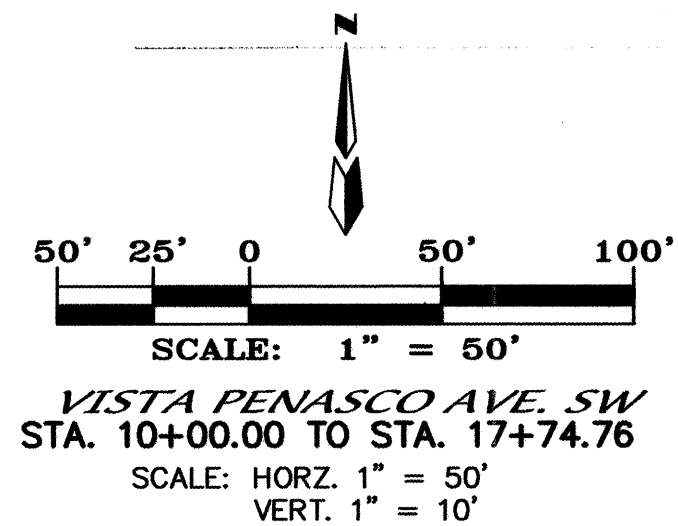
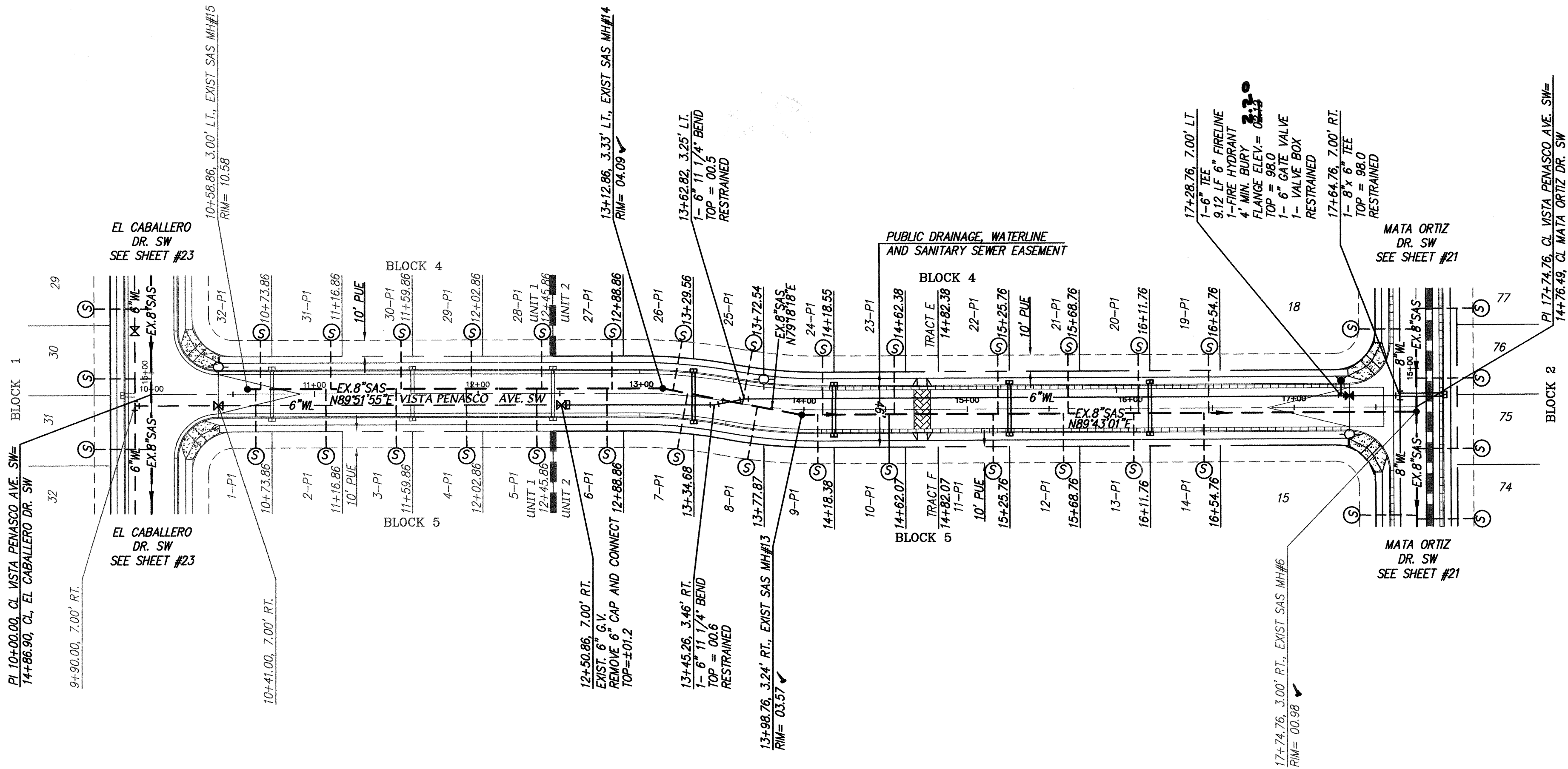
ZONE MAP NO.

SHEET

OF

18 24

SCANNED BY
PLANNING



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)					
PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	-	-	46'
10"	-	11'	5'	3'	72'

RESTRAINED JOINT LENGTHS FOR REDUCERS (FT.)		
PIPE SIZE	LARGE SIDE	SMALL SIDE
10" X 6"	44'	-

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

EXISTING SANITARY SEWER SERVICES BUILT WITH MESA UNIT 1

BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
4	19-P1	16+47.77	96.84'	36.00'
4	20-P1	16+04.77	97.09'	36.00'
4	21-P1	15+61.77	97.35'	36.00'
4	22-P1	15+18.77	97.61'	36.00'
4	23-P1	14+55.39	97.99'	36.00'
4	24-P1	14+11.56	98.26'	36.00'
4	25-P1	13+63.18	98.55'	33.49'
4	26-P1	13+22.29	98.79'	31.28'
4	27-P1	12+81.84	99.03'	30.00'
4	28-P1	12+38.84	99.29'	30.00'
4	29-P1	11+95.84	99.55'	30.00'
4	30-P1	11+52.84	100.76'	30.00'
4	31-P1	11+09.84	102.91'	30.00'
4	32-P1	10+66.84	105.06'	30.00'
5	1-P1	10+63.87	105.21'	36.01'
5	2-P1	11+06.87	103.06'	36.01'
5	3-P1	11+49.87	100.90'	36.01'
5	4-P1	11+92.87	98.57'	36.01'
5	5-P1	12+35.87	99.31'	36.01'
5	6-P1	12+78.87	99.05'	36.01'
5	7-P1	13+24.75	98.78'	35.31'
5	8-P1	13+69.77	98.51'	33.36'
5	9-P1	14+08.58	98.27'	30.00'
5	10-P1	14+52.06	98.01'	30.00'
5	11-P1	15+15.75	97.63'	30.00'
5	12-P1	15+58.75	97.37'	30.00'
5	13-P1	16+01.75	97.11'	30.00'
5	14-P1	16+44.75	96.85'	30.00'

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ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: MESA AT ANDERSON HILLS UNIT 2
VISTA PENASCO AVE. SW
UTILITY IMPROVEMENTS

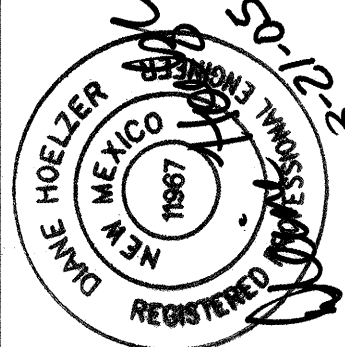
DESIGN REVIEW COMMITTEE
APR 28 2005
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
MAY 12 2005
CITY ENGINEER

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

CITY PROJECT NO. 708185 ZONE MAP NO. P-9 SHEET OF 19 24

BENCH MARKS		AS BUILT INFORMATION	
STATION 2+P10	IS LOCATED 4.9 MI. SW OF DOWNTOWN ALBUQUERQUE TO REACH STATION FROM INT. OF COORS AND DENNIS CHAVEZ BLVD. (FORMERLY RIO BRAVO), GO N. ON COORS 0.1 MI. TO FLORA VISTA AND GO WEST ON FLORA VISTA 0.5 MI. TO CONDENSER, THEN GO S. ON CONDENSER 0.4 MI. TO A POINT APPROX. 50 FT. W. OF THE STATION. STATION MARK IS AN ACS 3 1/4" ALUM CAP STAMPED "2-P10, 1987" RIVETED TO A PIPE PROJECTING 0.25 FT ABOVE THE GROUND. X=55941.13 Y=46549.24 (NAD 27) Z=6991 (NGVD 29).	CONTRACTOR	DATE
NO.	DATE	NO.	DATE
BY	DATE	BY	DATE
REMARKS	DATE	REMARKS	DATE
NO.	DATE	NO.	DATE
DESIGNED BY	DATE	DESIGNED BY	DATE
DRAWN BY	DATE	DRAWN BY	DATE
CHECKED BY	DATE	CHECKED BY	DATE

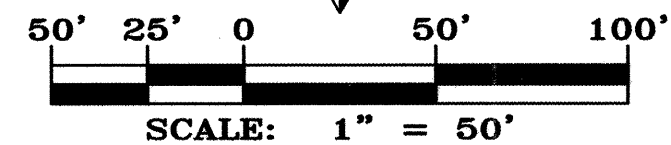
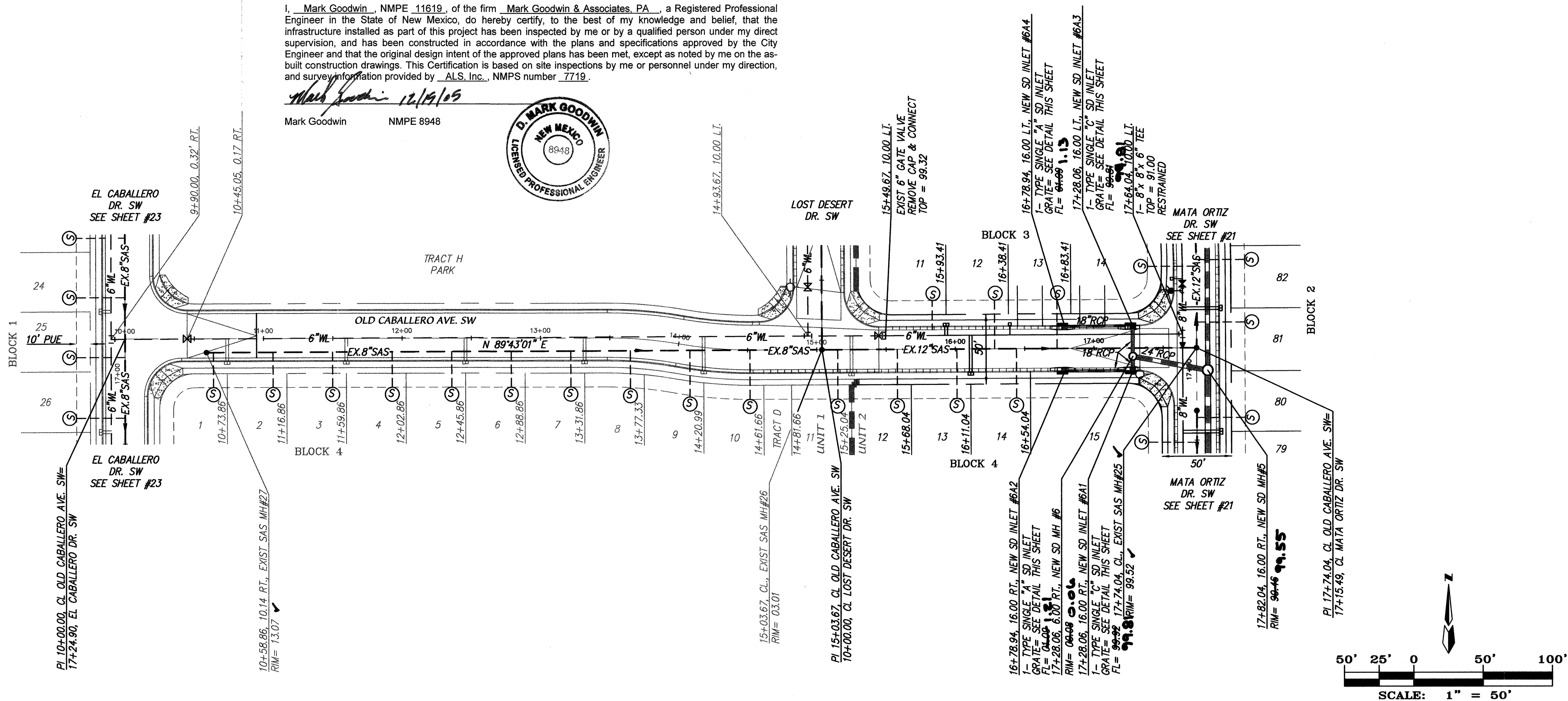


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PLANNING

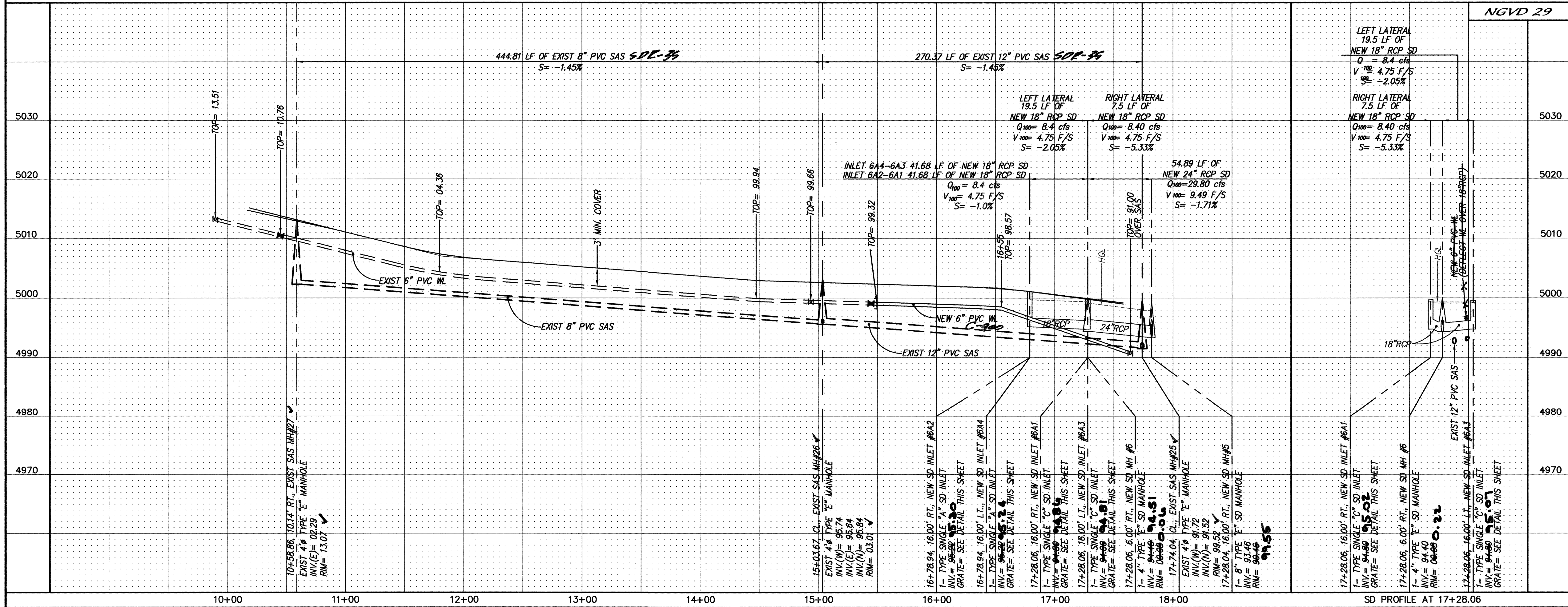
CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Mark Goodwin, NMPE 11619, of the firm Mark Goodwin & Associates, PA, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS, Inc., NMPS number 7719.

Mark Goodwin NMPE 8948



OLD CABALLERO AVE. SW
STA. 10+00.00 TO STA. 17+74.04
SCALE: HORIZ. 1" = 50'
VERT. 1" = 10'



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)				
PIPE SIZE	90°	45°	22.5°	VALVE
6"	17'	7'	3'	2'
8"	22.5'	11.25'	2'	46'

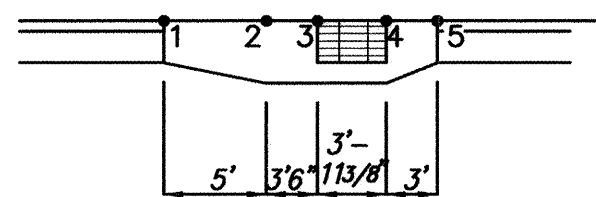
LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
6"x6"x6"	10'	2'
8"x8"x6"	7'	5'

EXISTING SANITARY SEWER SERVICES BUILT WITH MESA UNIT 1

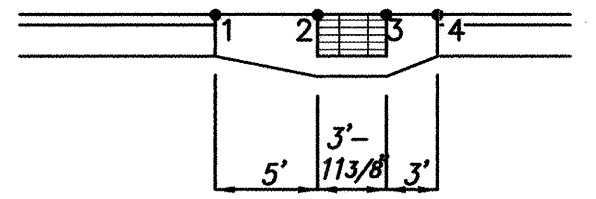
BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
3	11	15+83.041	97.12	35.00'
3	12	16+28.41	96.84	35.00'
3	13	16+73.41	96.18	35.00'
4	1	10+63.87	07.75	25'
4	2	11+06.87	05.60	25'
4	3	11+49.87	03.50	25.11'
4	4	11+92.87	02.19	25.22'
4	5	12+35.87	01.54	25.34'
4	6	12+78.87	00.90	25.45'
4	7	13+21.87	00.26	25.56'
4	8	13+64.87	99.59	26.18'
4	9	14+07.87	99.02	31.91'
4	10	14+50.87	98.50	34.99'
4	11	15+03.87	97.91	34.99'
4	12	15+56.87	97.27	34.99'
4	13	16+09.87	97.01	34.99'
4	14	16+52.87	96.69	34.99'

CB 642	01.31	00.98	00.91	00.82	00.97
CB 644	01.31	00.98	00.91	00.82	00.97



DROP INLET DETAIL - "A"
N.T.S.

CB 6A1	00.00	99.63	99.53	99.68
CB 6A3	00.09	99.74	99.65	99.81



DROP INLET DETAIL - "C"
N.T.S.

dmg MARK GOODWIN & ASSOCIATES, P.A.
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(505) 828-2200, FAX (505) 797-9539



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TITLE: **MESA AT ANDERSON HILLS UNIT 2
OLD CABALLERO AVE. SW
UTILITY IMPROVEMENTS**

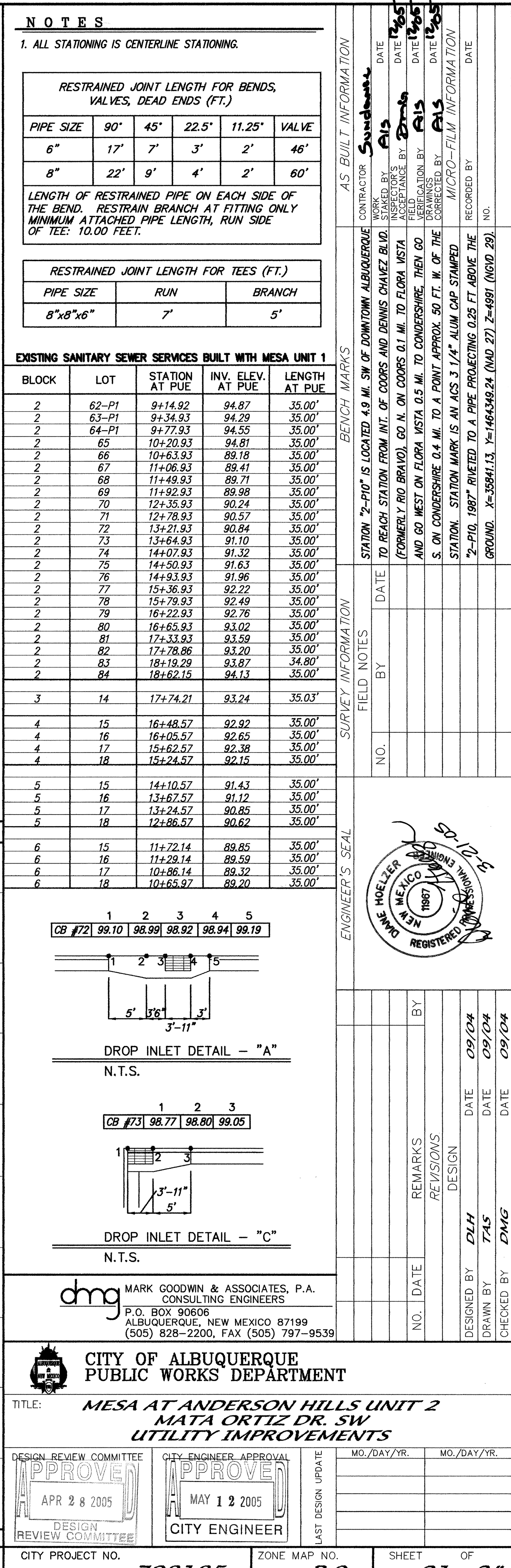
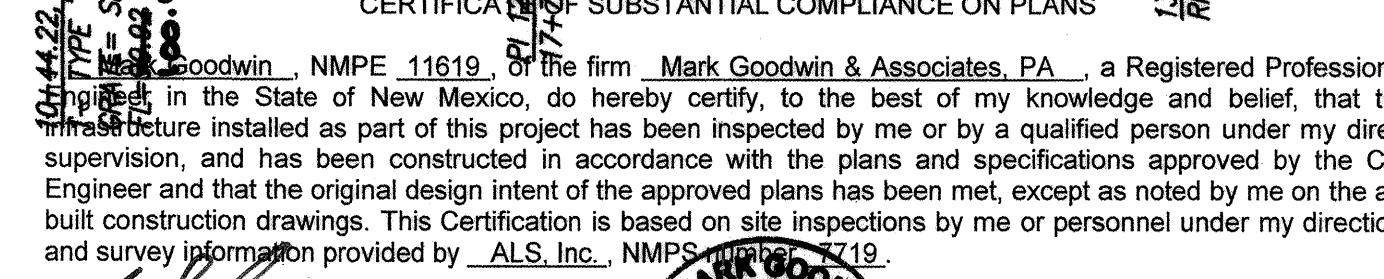
DESIGN REVIEW COMMITTEE
APPROVE
APR 28 2005
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
APPROVE
MAY 12 2005
CITY ENGINEER

MO./DAY/YR.
MO./DAY/YR.
LAST DESIGN UPDATE
NO. DATE REMARKS
NO. DATE REVISIONS
DESIGNED BY **DLH** DATE **10/04**
DRAWN BY **TAS** DATE **10/04**
CHECKED BY **DMG** DATE **10/04**

CITY PROJECT NO. **708185** ZONE MAP NO. **P-9** SHEET **20** OF **24**

'LT., EXISTING SAS MH

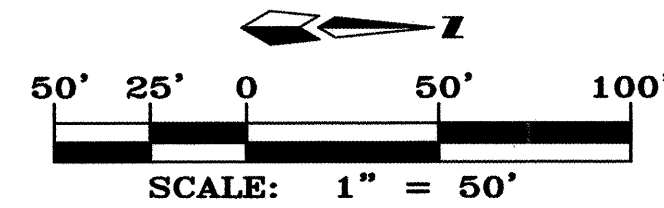
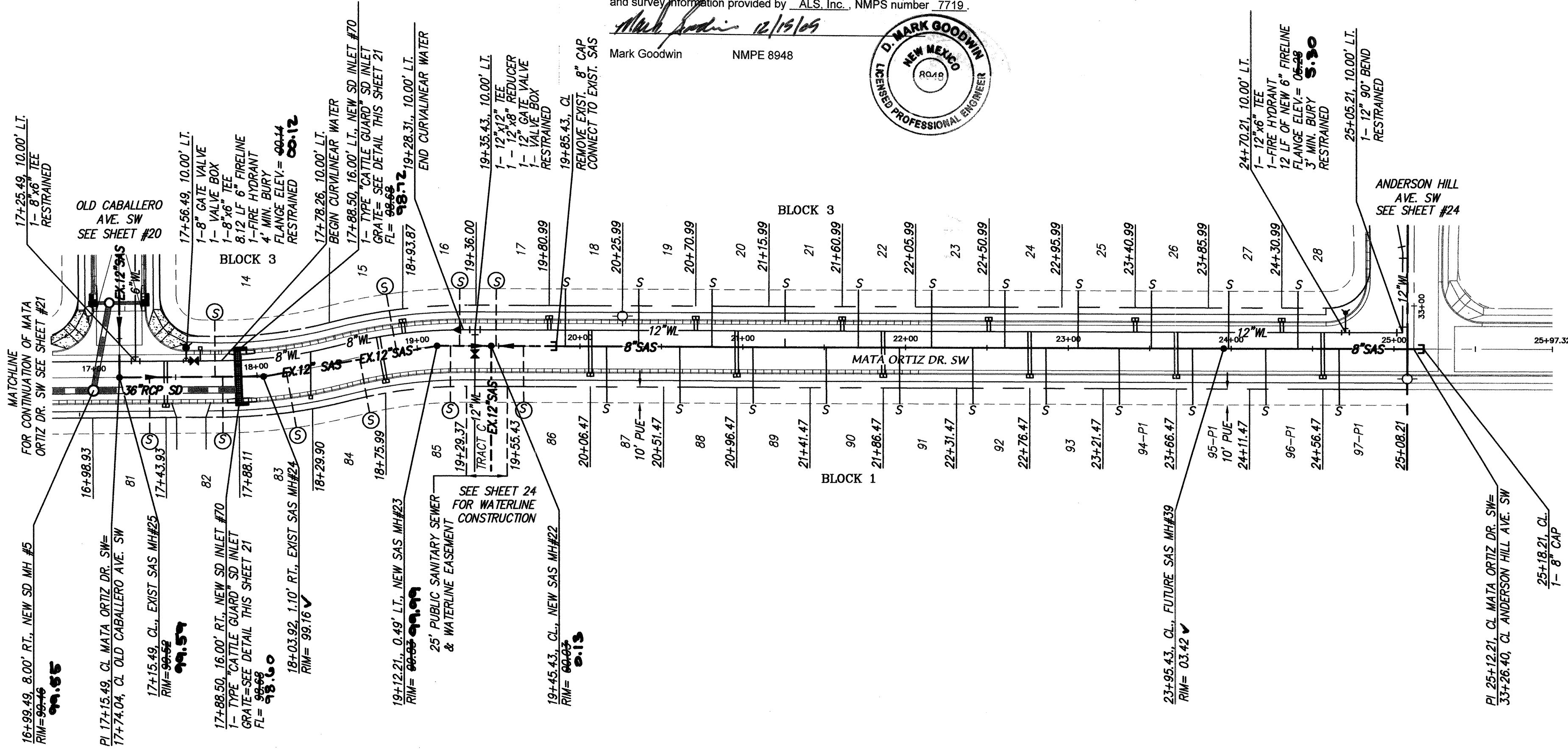


SCANNED BY
PLANNING

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Mark Goodwin, NMPE 11619, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS, Inc., NMPS number 7719.

Mark Goodwin NMPE 8948



MATA ORTIZ DR. SW
STA. 18+52.53 TO STA. 25+12.21
SCALE: HORIZ. 1" = 50'
VERT. 1" = 10'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)					
PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
8"	22'	9'	4'	2'	60'
12"	30'	12'	6'	3'	85'

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 LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
12"x12"x8"	8'	5'

EXISTING SANITARY SEWER SERVICES BUILT WITH MESA UNIT 1				
BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
2	81	17+33.93	95.05	EXISTING
2	82	17+78.86	95.32	EXISTING
2	83	18+19.29	95.59	EXISTING
2	84	18+62.15	95.65	EXISTING
1	85	18+85.51	96.13	EXISTING
1	86	19+65.52	96.79	EXISTING
3	16	19+03.93	97.24	EXISTING
3	17	19+46.00	97.99	EXISTING

NEW SANITARY SEWER SERVICES				
BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
1	87	20+16.55	95.05	35.00'
1	88	20+61.55	95.32	35.00'
1	89	21+06.55	95.59	35.00'
1	90	21+15.55	95.65	35.00'
1	91	21+96.55	96.13	35.00'
1	92	22+41.55	96.40	35.00'
1	93	22+86.55	96.67	35.00'
1	94-P1	23+31.55	97.00	35.00'
1	95-P1	23+76.55	97.62	35.00'
1	96-P1	24+21.55	98.46	35.00'
1	97-P1	24+66.55	99.29	35.00'
3	18	19+90.99	94.90	35.00'
3	19	20+35.99	95.17	35.00'
3	20	20+80.99	95.44	35.00'
3	21	21+25.99	95.71	35.00'
3	22	21+70.99	95.98	35.00'
3	23	22+15.99	96.25	35.00'
3	24	22+60.99	96.52	35.00'
3	25	23+05.99	96.79	35.00'
3	26	23+50.99	97.24	35.00'
3	27	23+95.99	97.99	35.00'
3	28	24+40.99	98.82	35.00'

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: **MESA AT ANDERSON HILLS UNIT 2
MATA ORTIZ DR. SW
UTILITY IMPROVEMENTS**

DESIGN REVIEW COMMITTEE
APPROVED
APR 28 2005
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
APPROVED
MAY 12 2005
CITY ENGINEER

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

CITY PROJECT NO. **708185** ZONE MAP NO. **P-9** SHEET **22** OF **24**

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	STATION	DATE	NO.	BY	NO.	DATE
Stantec	12/15/05	2+100	12/15/05				
WORK STAKED BY	DATE	TO REACH STATION FROM INT. OF COORS	DATE				
ACCEPTANCE BY	DATE	(FORMERLY RIO BRAVO), GO N. ON COORS 0.1 MI. TO FLORA VISTA	DATE				
FIELD LOCATION BY	DATE	AND GO WEST ON FLORA VISTA 0.5 MI. TO CONDENSER, THEN GO	DATE				
DRAWINGS	DATE	S. ON CONDENSER 0.4 MI. TO A POINT APPROX. 50 FT. W. OF THE	DATE				
CORRECTED BY	DATE	STATION. STATION MARK IS AN ACS 3 1/4" ALUM. CAP STAMPED	DATE				
MICRO-FILM INFORMATION	DATE	"2+100" RIVETED TO A PIPE PROJECTING 0.25 FT ABOVE THE	DATE				
RECORDED BY	DATE	GROUND. X=5884.13, Y=146348.24 (NAD 27) Z=4991 (NGVD 29).	DATE				
NO.							



REVISIONS		BY	
NO.	DATE	NO.	DATE
1	10/04		
2	10/04		
3	10/04		

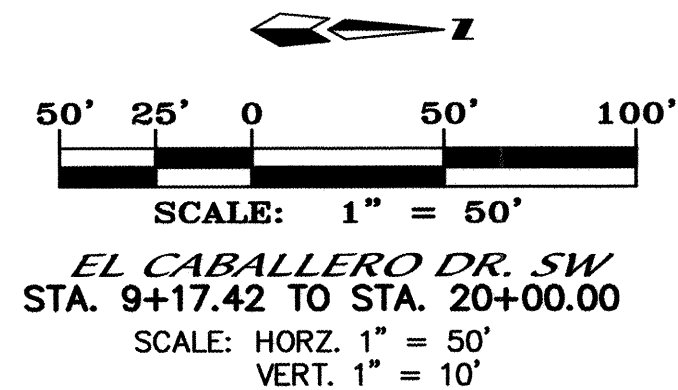
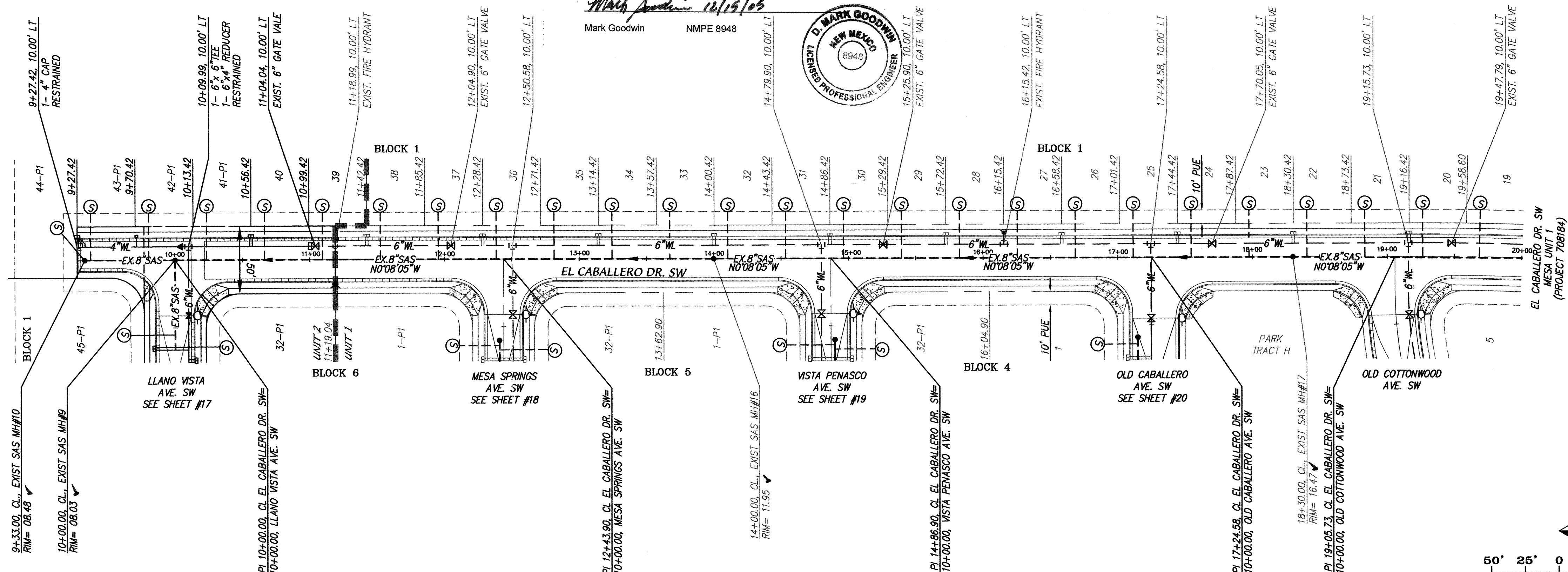
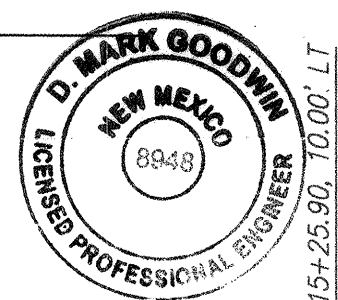
DESIGNED BY		DATE	
DLH	10/04		
DRAWN BY		DATE	
TAS	10/04		
CHECKED BY		DATE	
DWG	10/04		

SCANNED BY
PLANNING

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Mark Goodwin, NMPE 11619, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS, Inc., NMPS number 7719.

Mark Goodwin NMPE 8948
12/15/05



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

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

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
4"	12'	5'	2'	1'	32'
6"	17'	7'	3'	2'	46'

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 LENGTH FOR TEES (FT.)

PIPE SIZE	RUN	BRANCH
6"x6"x4"	4'	7'
6"x6"x6"	10'	2'

EXISTING SANITARY SEWER SERVICES BUILT WITH MESA UNIT 1

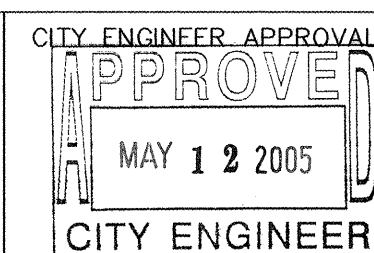
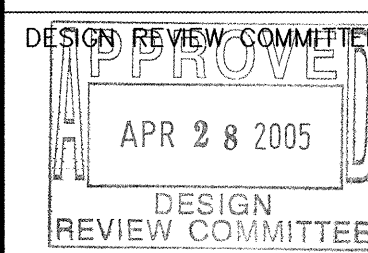
BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
1	19	19+68.41	12.51'	35.00'
1	20	19+26.41	12.07'	35.00'
1	21	18+83.42	11.62'	35.00'
1	22	18+40.42	11.17'	35.00'
1	23	17+97.42	10.71'	35.00'
1	24	17+54.42	10.26'	35.00'
1	25	17+11.42	9.81'	35.00'
1	26	16+68.42	9.36'	35.00'
1	27	16+25.42	8.91'	35.00'
1	28	15+82.42	8.46'	35.00'
1	29	15+39.42	8.01'	35.00'
1	30	14+96.42	7.56'	35.00'
1	31	14+53.42	7.10'	35.00'
1	32	14+10.42	6.65'	35.00'
1	33	13+67.42	6.20'	35.00'
1	34	13+24.42	5.75'	35.00'
1	35	12+81.42	5.30'	35.00'
1	36	12+38.42	4.85'	35.00'
1	37	11+95.42	4.40'	35.00'
1	38	11+52.42	3.95'	35.00'
1	39	11+09.42	3.50'	35.00'
1	40	10+66.42	3.05'	35.00'
1	41-P1	10+23.42	2.60'	35.00'
1	42-P1	9+80.42	2.15'	35.00'
1	43-P1	9+37.42	1.70'	35.00'
1	44-P1	9+17.42	0.37'	15.87'

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

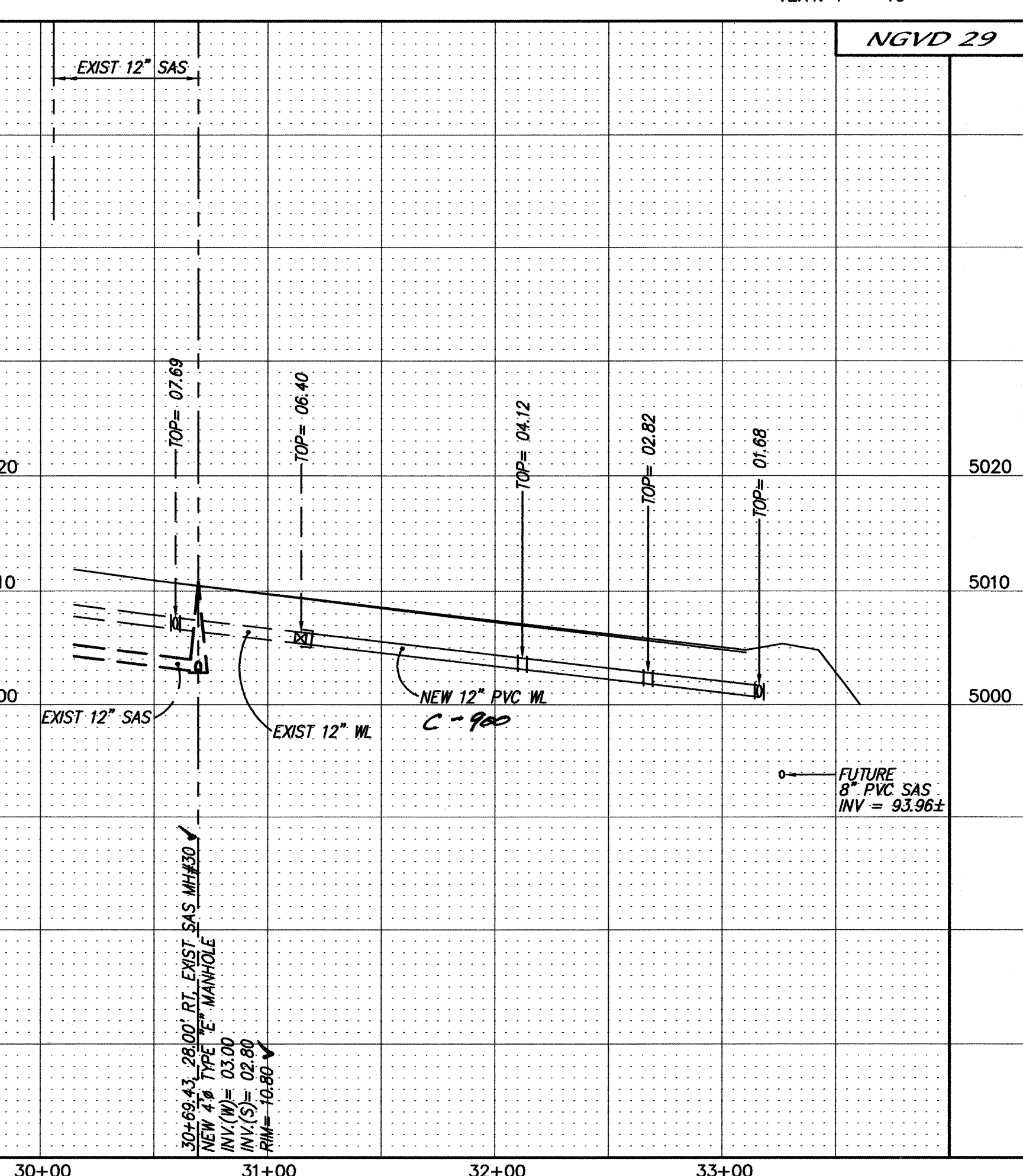
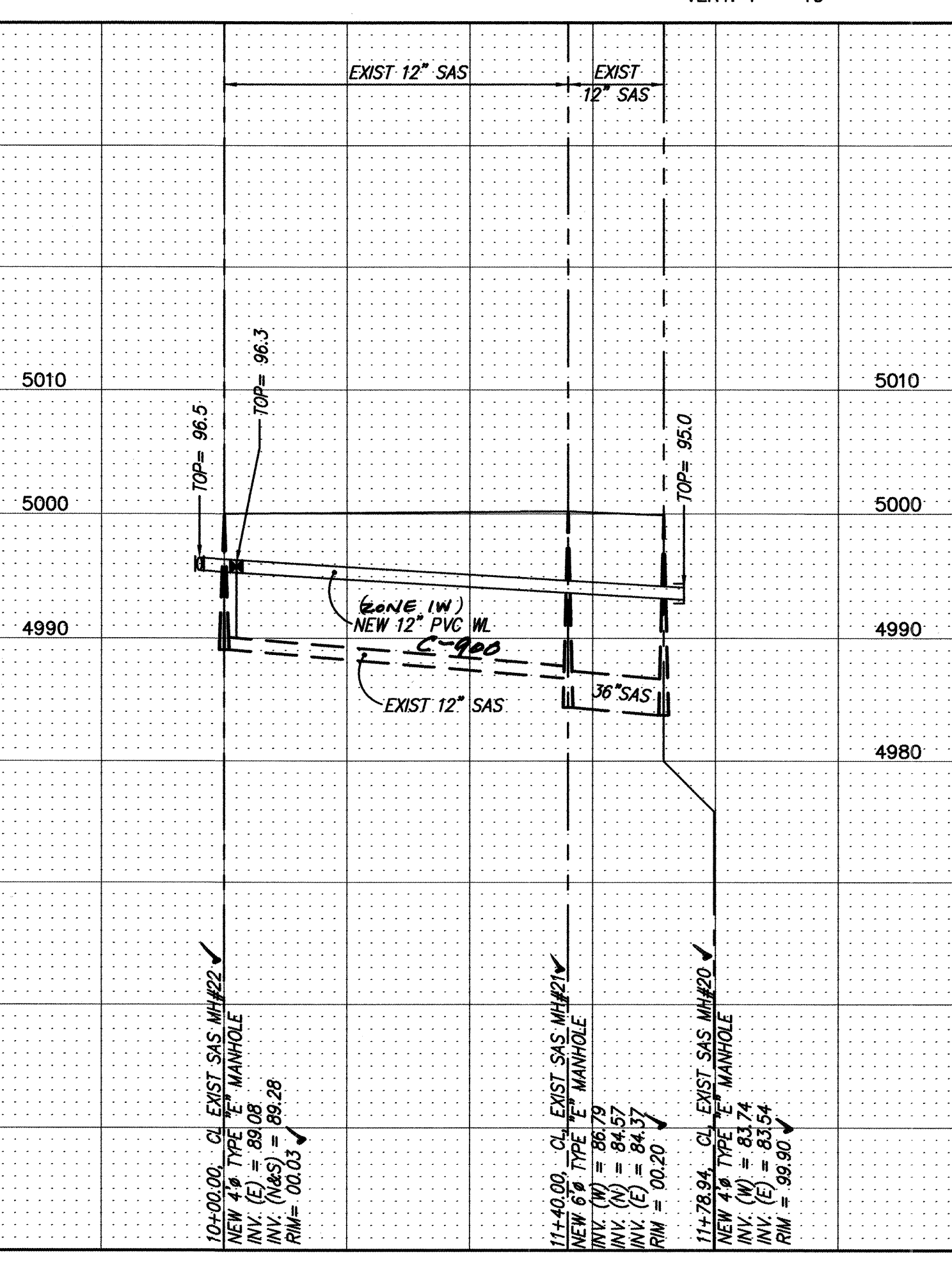
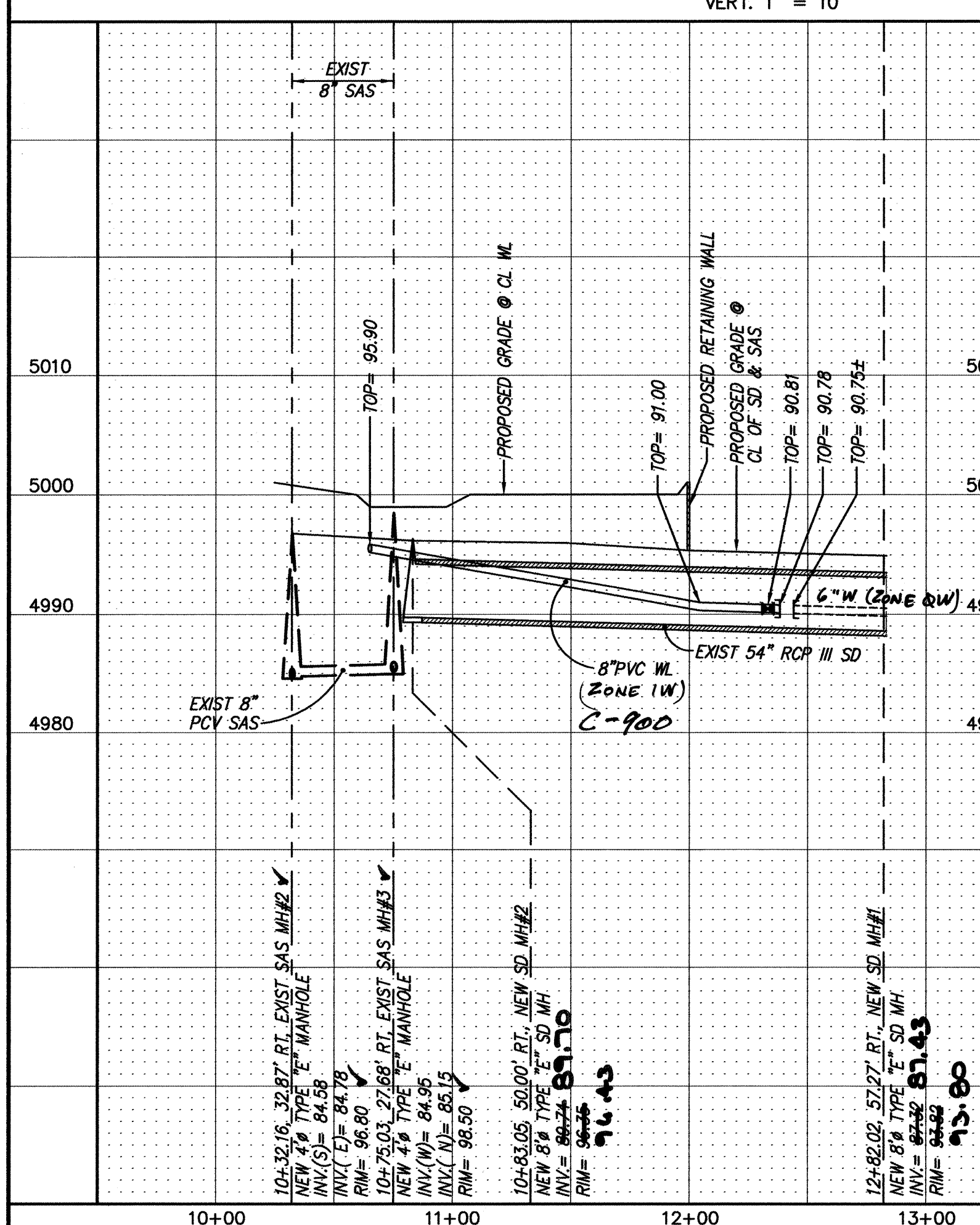
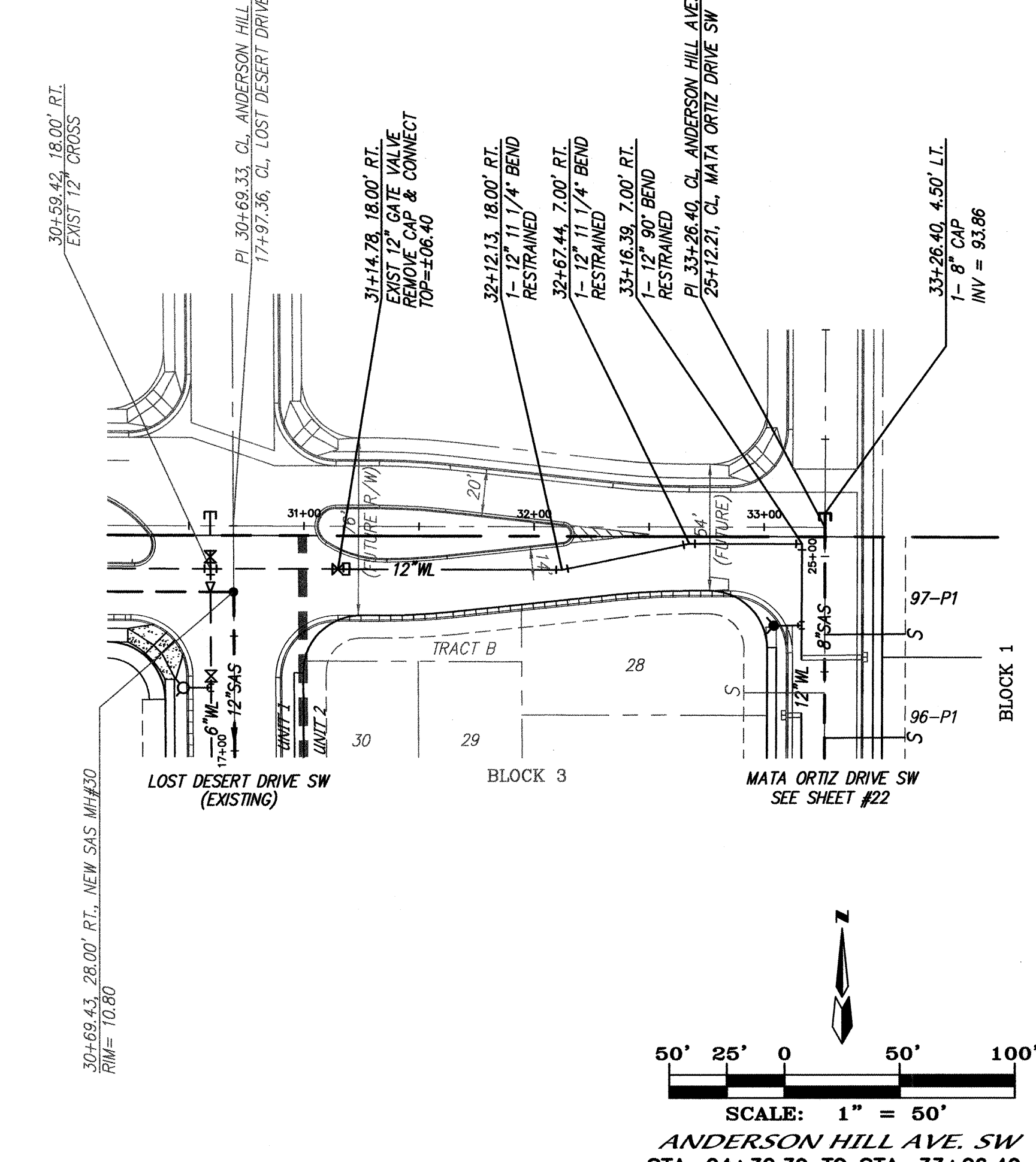
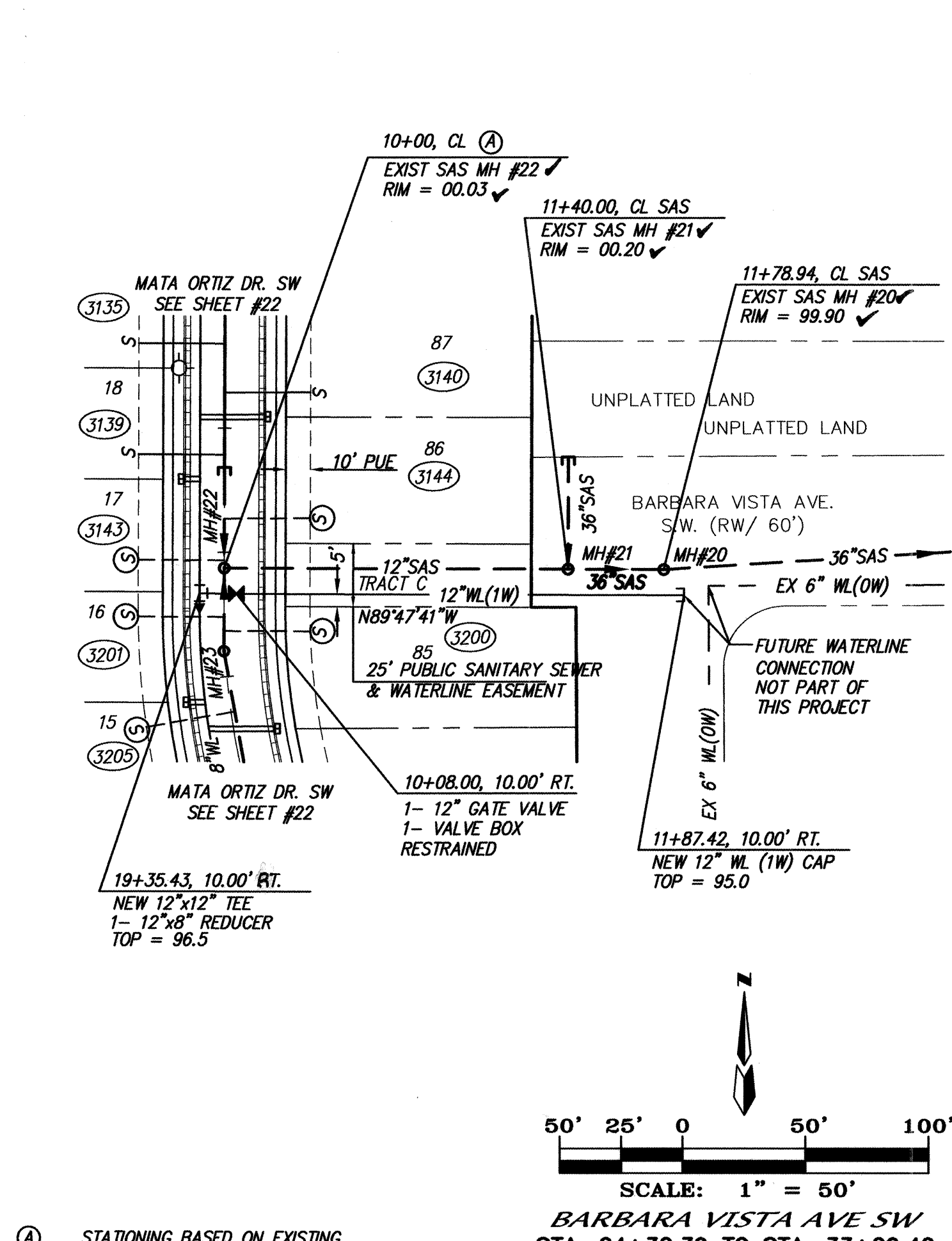
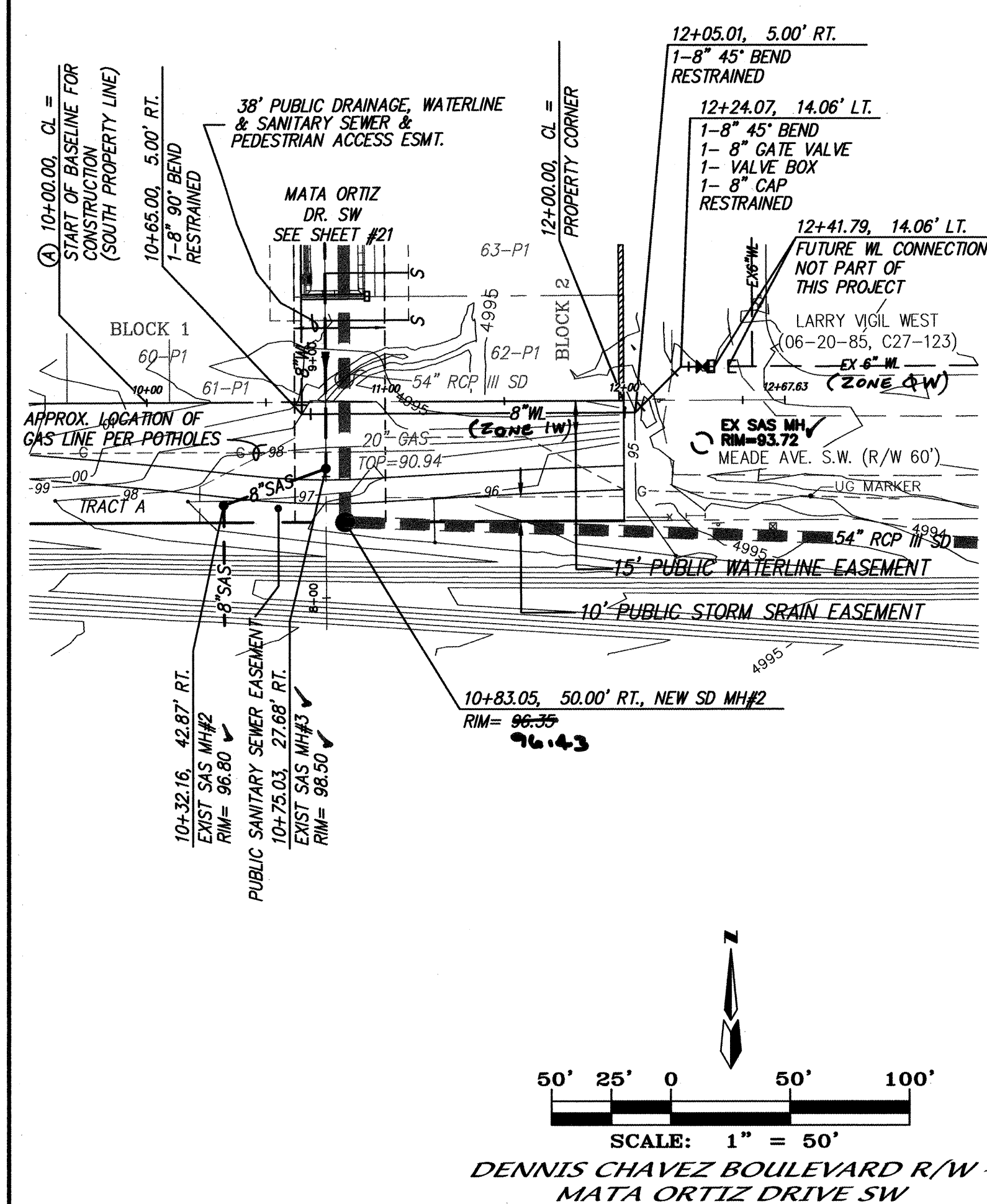
TITLE: MESA AT ANDERSON HILLS UNIT 1
EL CABALLERO DR. SW
UTILITY IMPROVEMENTS



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

CITY PROJECT NO. 708184 ZONE MAP NO. P-9 SHEET 23 OF 24

SCANNED BY
PLANNING



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING, UNLESS NOTED OTHERWISE.

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)				
PIPE SIZE	90°	45°	22.5°	11.25°
12"	30'	12'	6'	3'

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
12" X 6"	62'	121'

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
12"x12"x12"	18'	3'

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Mark Goodwin, NMPE 11619, of the firm, Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer, and that the original design intent of the approved plans has been met, except as noted by me on the as-built drawings. This certification is based on site inspections by me or personnel under my direction, and survey information provided by ALS, Inc., NMPS number 1718.

Mark Goodwin
NMPE 6948

ENGINEER'S SEAL

MARK GOODWIN
REGISTERED PROFESSIONAL ENGINEER
NEW MEXICO
1987

DESIGN REVIEW COMMITTEE

APR 2 8 2005

CITY ENGINEER APPROVAL

MAY 1 2 2005

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT

MESA AT ANDERSON HILLS UNIT 2 ANDERSON HILL AVENUE SW & OFFSITES UTILITY IMPROVEMENTS

CITY PROJECT NO. 708185

ZONE MAP NO. P-9

SHEET 24 OF 24