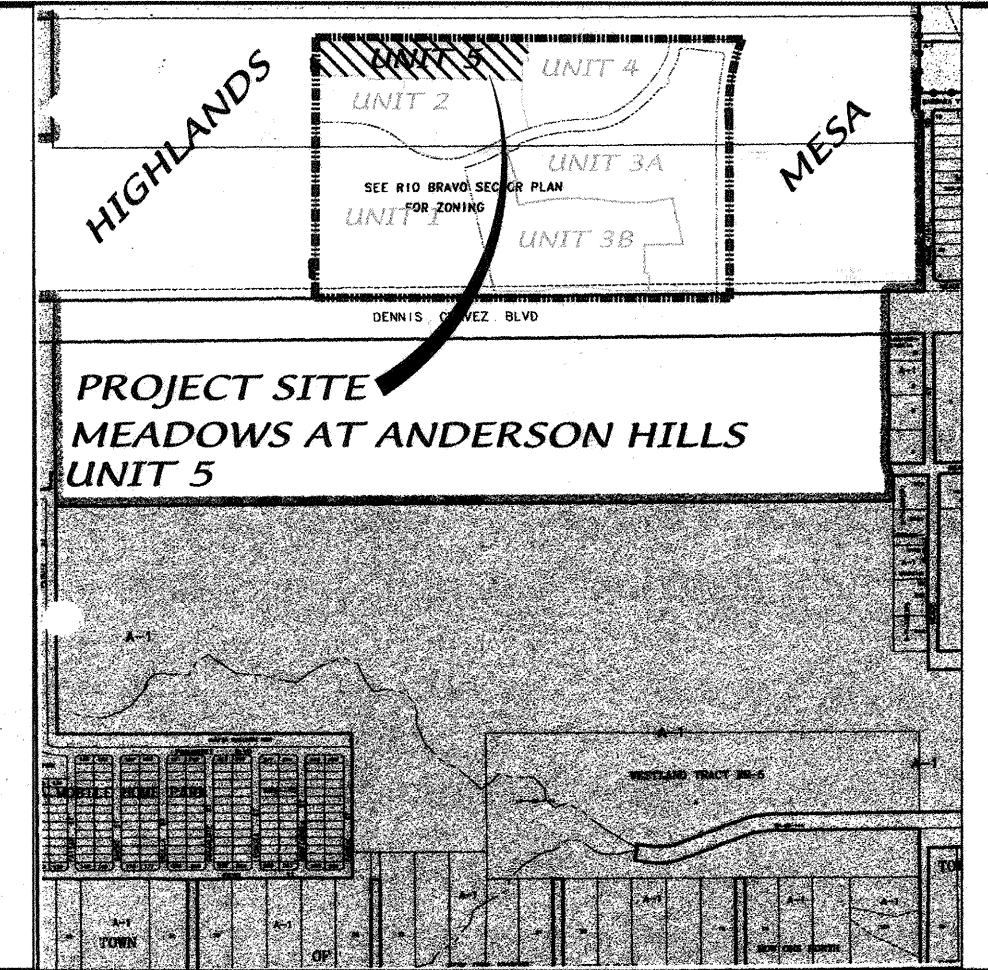


CONSTRUCTION PLANS FOR *MEADOWS AT ANDERSON HILLS* *UNIT 5* ALBUQUERQUE, NEW MEXICO



VICINITY MAP ZONE ATLAS P-9
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 (260-1990) 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 OCCUPYING 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.

INDEX TO DRAWINGS

SHEET NO.	SHEET
1	TITLE SHEET
2-3	PLAT
4	GRADING AND DRAINAGE PLAN
5	MASTER PAVING PLAN
6-8	PAVING IMPROVEMENTS
9	MASTER UTILITY PLAN
10	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, engineering, or intent of the drawings.

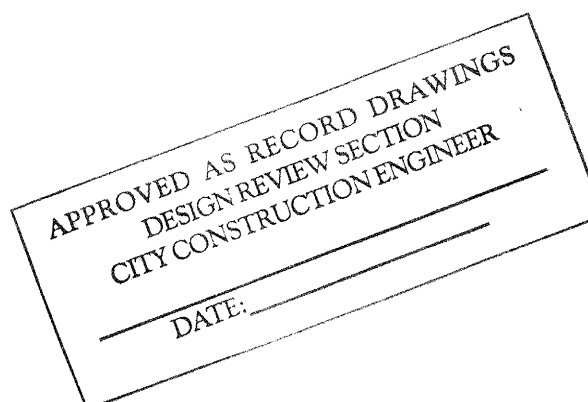
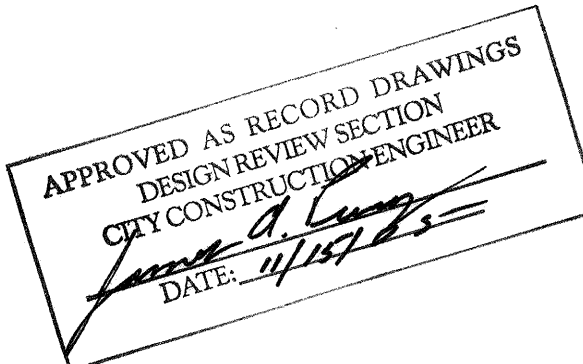
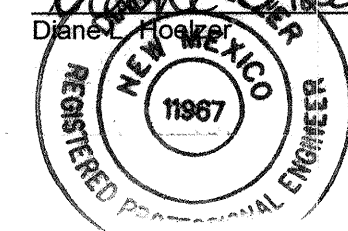
Timothy Aldrich, Registered Professional Land Surveyor, No. 7719, Date 08-12-05



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Diane L. Hoeltzer, NMPE 11967, 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.

Diane L. Hoeltzer, 10-13-05, NMPE 11967

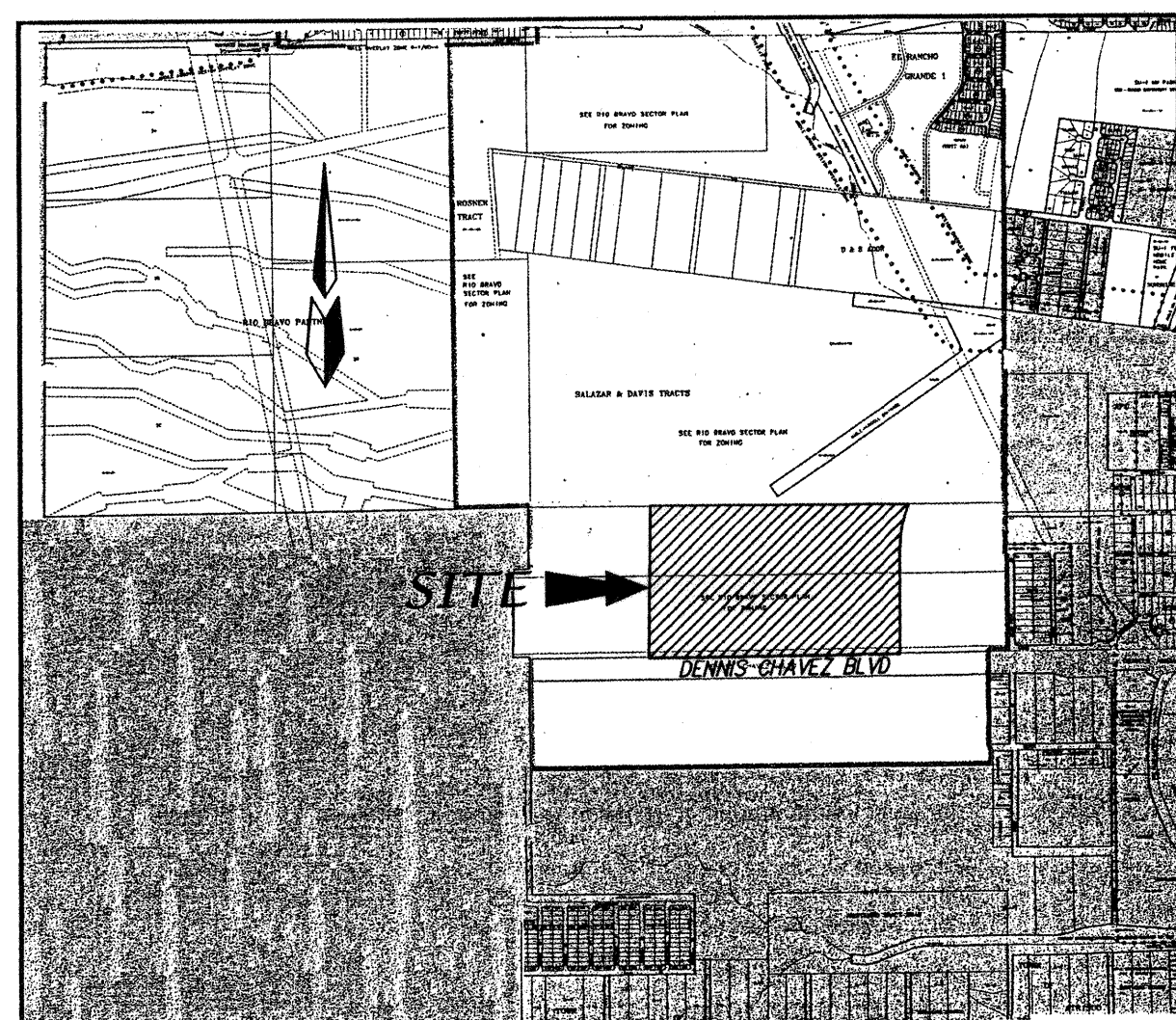


CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS 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) 797-8538

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	*****APPROVED FOR CONSTRUCTION*****			

DRG CHAIRMAN	10-24-04
TRANSPORTATION	12/2/04
WATER/WASTEWATER	12/2/04
HYDROLOGY	12/2/04
CONSTR. MNGMT.	12-21-05
CONSTR. COORD.	12-21-05
CITY PROJECT NO.	679587
SHEET OF	1 10



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

SITE BENCHMARK

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

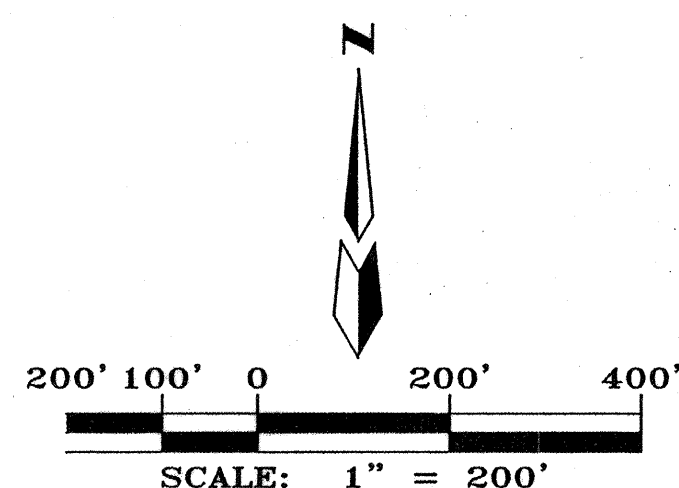
ACS MONUMENT
"TRANS"
Y=1471822.67
X=354899.45
G=0.99967921
Δα=-00'16"42"
CENTRAL ZONE
(NAD 1927)

EASEMENTS

- EXISTING 156' PUBLIC WATERLINE EASEMENT (09-25-02, BK. A42, PG. 2469)
- EXISTING 156' PUBLIC WATERLINE EASEMENT (09-25-02, BK. A42, PG. 2470)
- EXISTING 156' PUBLIC C.O.A. WATERLINE EASEMENT (10-18-02, BK. A43, PG. 4894)
- EXISTING 7' LANDSCAPE EASEMENT & 7' PUE (01-09-04, 04C-9)
- EXISTING 156' PUBLIC INGRESS/EGRESS, WATER AND SANITARY SEWER EASEMENT (04-17-01, BK. A18 - PG. 457)
- EXISTING PUBLIC SANITARY SEWER AND WATERLINE EASEMENT (01-09-04, 04C-9)
- EXISTING PRIVATE ACCESS EASEMENT TO BENEFIT PARCEL 5 (01-09-04, 04C-9)
- EXISTING PUBLIC ROADWAY, DRAINAGE, WATER AND SANITARY SEWER EASEMENT (12-06-02, 02C-390)
- 40' PUBLIC SANITARY SEWER, WATERLINE & DRAINAGE EASEMENT (01-09-04, 04C-9)
- PROPOSED 78' PUBLIC RIGHT-OF-WAY (WITH UNIT 1)
- PROPOSED 15' PUBLIC WATERLINE EASEMENT (WITH UNIT 1 PLATTING)
- PROPOSED 25' PUBLIC WATERLINE EASEMENT AND PEDESTRIAN ACCESS EASEMENT (WITH UNIT 1 PLATTING)
- PROPOSED 20' PUBLIC DRAINAGE EASEMENT (WITH UNIT 1 PLATTING)
- PROPOSED 38' PUBLIC WATERLINE, SANITARY SEWER AND DRAINAGE EASEMENT (WITH UNIT 1 PLATTING)
- EXISTING 30' PUBLIC SANITARY SEWER AND WATERLINE EASEMENT (01-09-04, 04C-9)
- EXISTING PUBLIC WATERLINE, SANITARY SEWER AND DRAINAGE EASEMENT (01-09-04, 04C-9)
- EXISTING 25' PUBLIC SANITARY SEWER AND WATERLINE EASEMENT (01-09-04, 04C-9)
- 15' PUBLIC WATERLINE EASEMENT GRANTED WITH THIS PLAT
- 25' PUBLIC WATERLINE EASEMENT AND PEDESTRIAN ACCESS EASEMENT GRANTED WITH THIS PLAT
- 7' LANDSCAPE EASEMENT AND 7' PUE GRANTED WITH THIS PLAT
- EXISTING 60' PUBLIC ROADWAY, DRAINAGE, WATERLINE AND SANITARY SEWER EASEMENT (01-09-04, 04C-9)

SUBDIVISION DATA

GROSS ACREAGE 48.0729 AC
ZONE ATLAS NO. N-9-Z P-9-Z
NO. OF LOTS CREATED - UNIT 2 72 LOTS
NO. OF LOTS CREATED - UNIT 3B 118 LOTS
NO. OF LOTS CREATED - UNIT 4 42 LOTS
NO. OF LOTS CREATED - UNIT 5 46 LOTS
TOTAL NO. OF LOTS CREATED 278 LOTS
NO. OF TRACTS CREATED 4 TRACTS
NO. OF EXISTING PARCELS 3 PARCELS
NO. OF PARCELS ELIMINATED 3 PARCELS
AREA DEDICATED TO CITY 9.9399 AC±
PARK DEDICATION (UNIT 1) 2.5630 AC
ZONING RLT
DATE OF SURVEY OCTOBER 2002



PRELIMINARY PLAT THE MEADOWS AT ANDERSON HILLS UNITS 2, 3B, 4 AND 5 WITHIN THE TOWN OF ATRISCO GRANT PROJECTED SECTIONS 8, 9 & 10 TOWNSHIP 9 NORTH, RANGE 2 EAST, NMPM CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO FEBRUARY, 2004

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 PC'S, PT'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 OFFSET AT ALL POINTS OF CURVATURE, POINTS OF TANGENCY, STREET INTERSECTIONS, AND ALL OTHER ANGLE POINTS TO ALLOW USE OF CENTERLINE MONUMENTATION.
- TRACTS O THRU T ARE FOR LANDSCAPE PURPOSES AND SHALL BE OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION.
- TRACT KK IS HEREBY ENCUMBERED WITH PUBLIC SANITARY SEWER, WATER AND DRAINAGE EASEMENTS GRANTED TO THE CITY OF ALBUQUERQUE AND TO BE MAINTAINED BY THE CITY OF ALBUQUERQUE. TRACT KK IS HEREBY CREATED FOR UNRESTRICTED PRIVATE ACCESS TO ALL LOT OWNERS OF THIS SUBDIVISION AND IS TO BE OWNED AND MAINTAINED BY THE HOMEOWNER'S ASSOCIATION.
- DISCLOSURE STATEMENT FOR EXISTING PNM GAS LINE:
WITH THE EXCEPTION OF AREAS LOCATED WITHIN THE FUTURE RIGHTS-OF-WAY OF UNSER BOULEVARD, SW AND 98TH STREET, SW., THE SOUTHEAST CORNER OF TRACT H AND A FUTURE SANITARY SEWER CROSSING LOCATED APPROXIMATELY 470 FEET WEST OF THE SOUTHWEST CORNER OF TRACT 14, ANY IMPROVEMENTS ENCROACHING INTO EXISTING PNM NATURAL GAS LINE EASEMENTS SHALL NOT INTERFERE WITH NOR INHIBIT PNM'S ABILITY TO OPERATE AND MAINTAIN ITS GAS LINE FACILITIES. THE PROPERTY OWNER OR PERSON OR BUSINESS RESPONSIBLE FOR ANY ENCROACHMENT SHALL PAY FOR ALL PNM UTILITY RELOCATIONS OR MODIFICATIONS CAUSED BY SUCH EASEMENT ENCROACHMENTS.

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 all of PARCELS 1, 2 AND 5, MEADOWS AT ANDERSON HILLS 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 January 9, 2004 in Book 2004C, Page 9 and containing 48.0729 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

Robert Lupton
Manager, Anderson Hills, LLC
J. MARK FERGUSON
Division President, D.R. HORTON, INC.

DATE
2/18/04

APPROVED FOR MONUMENTATION AND STREET NAMES

City Surveyor, City of Albuquerque, N.M.
Date
2-19-04

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

LEGEND

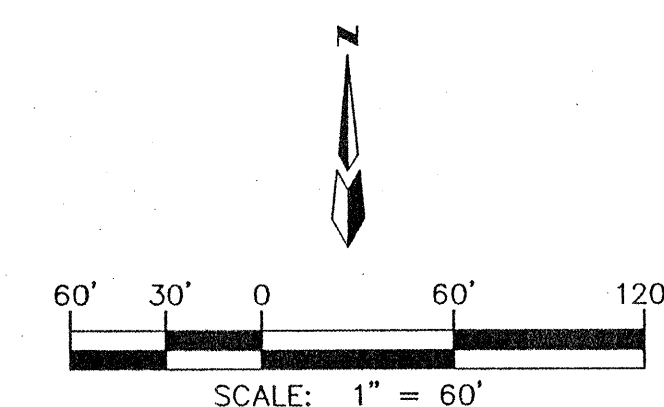
1	LOT NUMBER
	BLOCK NUMBER
	CENTER LINE MONUMENT
	EXISTING CENTER LINE MONUMENT
	RIGHT-OF-WAY
	UNIT LINE
UNIT 2	UNIT NUMBER

- ① EXISTING 156' PUBLIC WATERLINE EASEMENT
(09-25-02, BK. A42, PG. 2469)
- ② EXISTING 156' PUBLIC WATERLINE EASEMENT
(09-25-02, BK. A42, PG. 2470)
- ③ EXISTING 156' PUBLIC C.O.A. WATERLINE EASEMENT
(10-18-02, BK. A43, PG. 4894)
- ④ EXISTING 7' LANDSCAPE EASEMENT & 7' PUE
(01-09-04, 04C-9)
- ⑤ EXISTING 156' PUBLIC INGRESS/EGRESS, WATER
AND SANITARY SEWER EASEMENT
(04-17-01, BK. A18 - PG.457)
- ⑥ EXISTING PUBLIC SANITARY SEWER
AND WATERLINE EASEMENT
(01-09-04, 04C-9)
- ⑦ EXISTING PRIVATE ACCESS EASEMENT
TO BENEFIT PARCEL 5
(01-09-04, 04C-9)
- ⑧ EXISTING PUBLIC ROADWAY, DRAINAGE,
WATER AND SANITARY SEWER EASEMENT
(12-06-02, 02C-390)
- ⑨ 40' PUBLIC SANITARY SEWER,
WATERLINE & DRAINAGE EASEMENT
(01-09-04, 04C-9)
- ⑩ PROPOSED 78' PUBLIC ROADWAY,
DRAINAGE, WATERLINE AND SANITARY
SEWER EASEMENT
(WITH UNIT 1 PLATTING)
- ⑪ PROPOSED 15' PUBLIC WATERLINE EASEMENT
(WITH UNIT 1 PLATTING)
- ⑫ PROPOSED 25' PUBLIC WATERLINE EASEMENT
AND PEDESTRIAN ACCESS EASEMENT
(WITH UNIT 1 PLATTING)
- ⑬ PROPOSED 20' PUBLIC DRAINAGE EASEMENT
(WITH UNIT 1 PLATTING)
- ⑭ PROPOSED 38' PUBLIC WATERLINE, SANITARY
SEWER AND DRAINAGE EASEMENT
(WITH UNIT 1 PLATTING)
- ⑮ EXISTING 30' PUBLIC SANITARY SEWER AND
WATERLINE EASEMENT
(01-09-04, 04C-9)
- ⑯ EXISTING PUBLIC WATERLINE, SANITARY SEWER
AND DRAINAGE EASEMENT
(01-09-04, 04C-9)
- ⑰ EXISTING 25' PUBLIC SANITARY SEWER AND
WATERLINE EASEMENT
(01-09-04, 04C-9)
- ⑱ 15' PUBLIC WATERLINE EASEMENT GRANTED
WITH THIS PLAT
- ⑲ 25' PUBLIC WATERLINE EASEMENT AND
PEDESTRIAN ACCESS EASEMENT GRANTED WITH
THIS PLAT
- ⑳ 7' LANDSCAPE EASEMENT AND 7' PUE
GRANTED WITH THIS PLAT
- ㉑ EXISTING 60' PUBLIC ROADWAY, DRAINAGE,
WATERLINE AND SANITARY SEWER EASEMENT
(01-09-04, 04C-9)

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



INLET #	TYPE
32	A
33	DBL C
34	C
35	DBL A (ST)
36	DBL C
37	DBL A (ST)
38	DBL A (ST)
39	DBL C
40	DBL C
41	DBL C
42	DBL A (ST)
43	A
44	C
45	A
46	C
47	C
48	C
49	A
50	C
52	A
53	C
54	A
55	A
56	C
57	A
58	A
59	C
60	C
61	A
62	A
63	C
64	C
65	DBL C
72	CATTLE GUARD



RCP#	SIZE	SLOPE	Q ₁₀₀	V ₁₀₀	RCP#	SIZE	SLOPE	Q ₁₀₀	V ₁₀₀
38	18" RCP	%	11.27 cfs	6.4 fps	60	18" RCP	%		fps
39	24" RCP	%	22.54 cfs	7.2 fps	61	48" RCP	0.72%	121.5 cfs	9.7 fps
40	24" RCP	2%	33.8 cfs	10.8 fps	62	18" RCP	1.0%	9.2 cfs	5.22 fps
41	18" RCP	1.0%	11.27 cfs	6.4 fps	63	18" RCP	1.0%	5.5 cfs	3.1 fps
42	24" RCP	1.0%	22.54 cfs	7.2 fps	64	60" RCP	0.88%	245.5 cfs (from AHYMO)	12.5 fps
43	36" RCP	2.6%	65.8 cfs	13.41 fps	65	18" RCP	1.0%	3.64 cfs	2.1 fps
44	48" RCP	0.72%	121.54 cfs	9.7 fps	66	18" RCP	1.0%	4.3 cfs	2.4 fps
45	18" RCP	1.0%	11.13 cfs	6.3 fps	67	18" RCP	1.0%	2.84 cfs	2.8 fps
45.5	24" RCP	1.0%	22.26 cfs	6.3 fps	68	18" RCP	1.0%	2.6 cfs	1.6 fps
46	36" RCP	0.8%	55.63 cfs	7.87 fps	69	18" RCP	0.6%	5.8 cfs	3.3 fps
47	18" RCP	1.0%	6.8 cfs	3.9 fps	70	18" RCP	1.0%	11.0 cfs	5.3 fps
48	24" RCP	1.0%	12.8 cfs	4.0 fps	71	18" RCP	1.0%	5.72 cfs	3.25 fps
49	18" RCP	%	8.3 cfs	4.7 fps	72	18" RCP	1.0%	11.44 cfs	6.5 fps
50	24" RCP	1.0%	15.8 cfs	5.0 fps	73	24" RCP	1.0%	22.44 cfs	7.1 fps
51	30" RCP	0.5%	28.6 cfs	5.8 fps	74	18" RCP	1.0%	8.96 cfs	5.1 fps
52	18" RCP	1.0%	7.3 cfs	4.1 fps	75	24" RCP	1.0%	17.92 cfs	5.7 fps
53	24" RCP	1.0%	13.9 cfs	2.9 fps	76	30" RCP	1.0%	40.36 cfs	8.2 fps
54	30" RCP	1.0%	42.5 cfs	8.66 fps	77	30" RCP	2.1%	58.28 cfs	11.9 fps
55	18" RCP	1.0%	8.3 cfs	4.7 fps					
56	30" RCP	1.54%	50.8 cfs	10.35 fps					
57	18" RCP	1.0%	8.0 cfs	4.5 fps					
58	36" RCP	0.78%	58.8 cfs	8.6 fps					
59	54" RCP	0.5%	135.98 cfs	8.3 fps					

City Appr. 2-27-04

A2106ANH/DWG/MEADOWS/2106-GD60-MID-R2 1 08-04 MJR

A2106ANH/DWG/MEADOWS/2106-GD60-MID-R2 1-08-04 MJR NHE

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

MEADOWS @ ANDERSON HILLS
GRADING & DRAINAGE PLAN

DESIGN REVIEW COMMITTEE	CHIEF ENGINEER APPROVAL
For Information Only	

CITY PROJECT NO. 679587

ZONE MAP NO. B-2

SHEET **4** of **10**

AS BUILT INFORMATION		DATE	
TRACTOR Sundance		DATE	
WORK ORDER NO.	DATE	DATE	DATE
CREATED BY AIS	DATE	DATE	DATE
PERFORMED BY	DATE	DATE	DATE
INSPECTED BY AIS	DATE	DATE	DATE
APPROVED BY	DATE	DATE	DATE
MICRO-FILM INFORMATION		DATE	
RECORDED BY		DATE	

BENCH MARKS

STATION "2-P10" IS LOCATED 4.9 MI. SW. OF DOWNTOWN ALBUQUERQUE REACH STATION FROM INT. OF COOPS AND DENIS CHAVEZ BLVD. (PRIMER Y RIO BRAVO). GO N. ON COOPS 0.1 MI. TO FLORA VISTA. GO WEST ON FLORA VISTA 0.5 MI. TO CONDERSHIRE, THEN GO 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 "P10, 1987" INSETTED TO A PIPE PROJECTING 0.25 FT ABOVE THE GROUND. X=55841.13, Y=164349.24 (NAD 77) Z=4991 (NGD)

<i>KEY INFORMATION</i>		
<i>FIELD</i>	<i>NOTES</i>	<i>STATUS</i>
BY	DATE	TOTAL
		(F)
		AM
		S.
		ST
		"2
		GR

[illegible][illegible]

REMARKS	DATE
REVISIONS	DATE
DESIGN	DATE
H	DATE
E	DATE
C	DATE

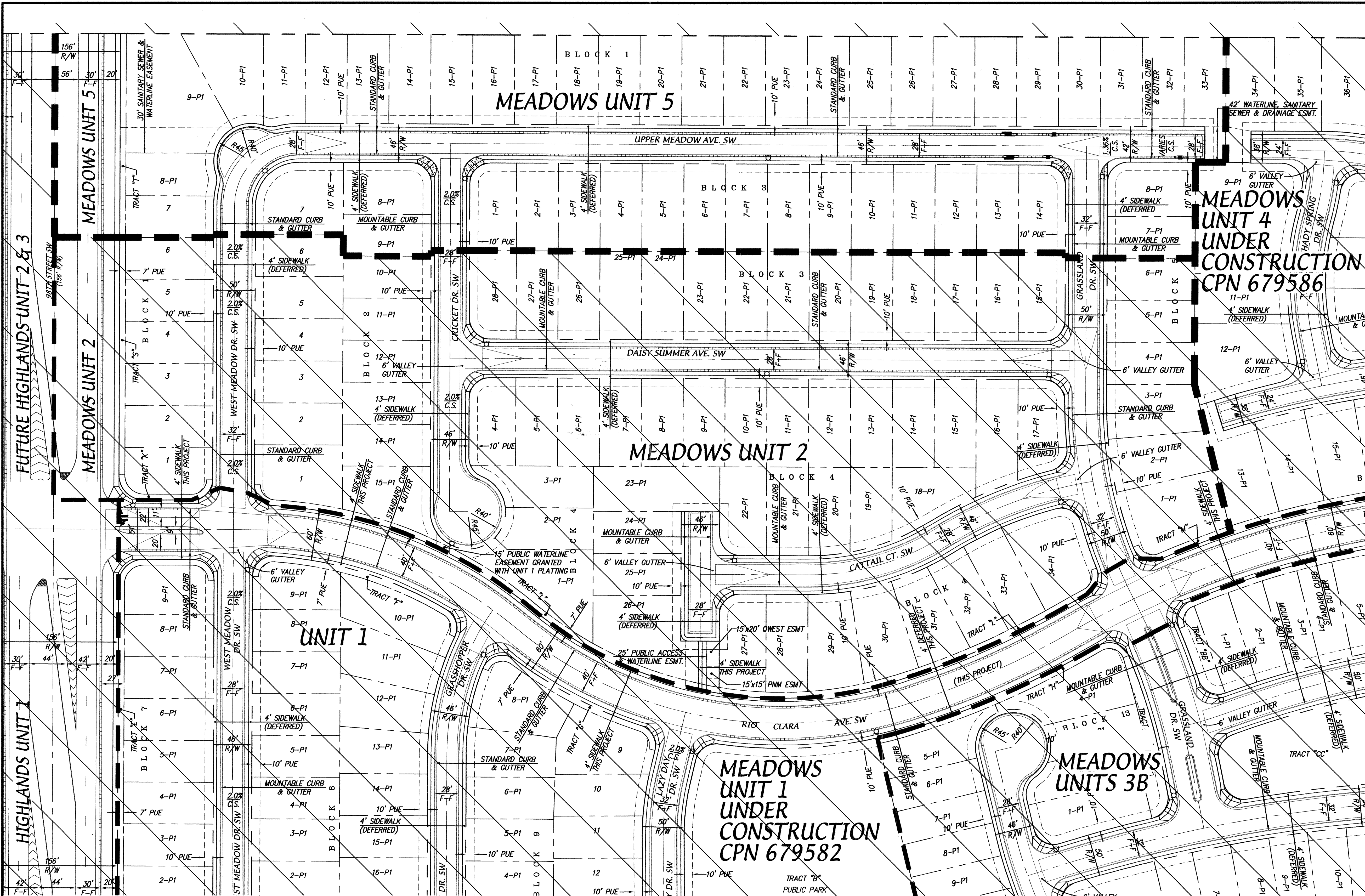
[illegible]

SON HILLS AGE PLAN	
LAST DESIGN UPDATE	MO./DAY/YR.
	MO./DAY/YR.
	MO./DAY/YR.
	MO./DAY/YR.
	MO./DAY/YR.
NO.	SHEET 4 of 10

SECTION D-D

N.T.S.

SCANNED BY
MESA REPRO



NOTES

1. ALL 4' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2421 AT KNUCKLES 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 & GUTTER TO STANDARD CURB & GUTTER SHALL BE 10' PER COA STD DWG 2418.
5. TRANSITION SECTION FROM FULL CROWN TO NO CROWN TO BE A MINIMUM OF 50'. PER COA STD DWG 2401.
6. ALL SIDEWALKS PER COA STD DWG 2430.
7. SOIL NOT HAVING A MINIMUM R-VALUE OF 50 WHERE INDICATED ON SECTIONS OF 2 FEET, SHALL BE REMOVED 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. ONE-DIRECTIONAL CURB ACCESS RAMP PER COA STD DWG 2426.

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Diana L. Hoelter, N.M.P.E. 11987, 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 in writing by me as the design engineer, and that the design and construction drawings have been prepared in accordance with the applicable laws, rules, regulations, and standards of the State of New Mexico, and that I am not providing any engineering services to the project under my direction, and survey information provided by ALS, Inc., N.M.P.S. number 7719.

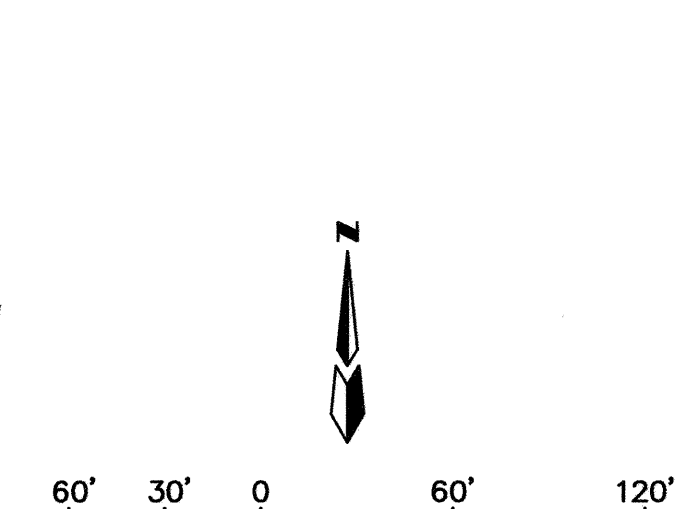
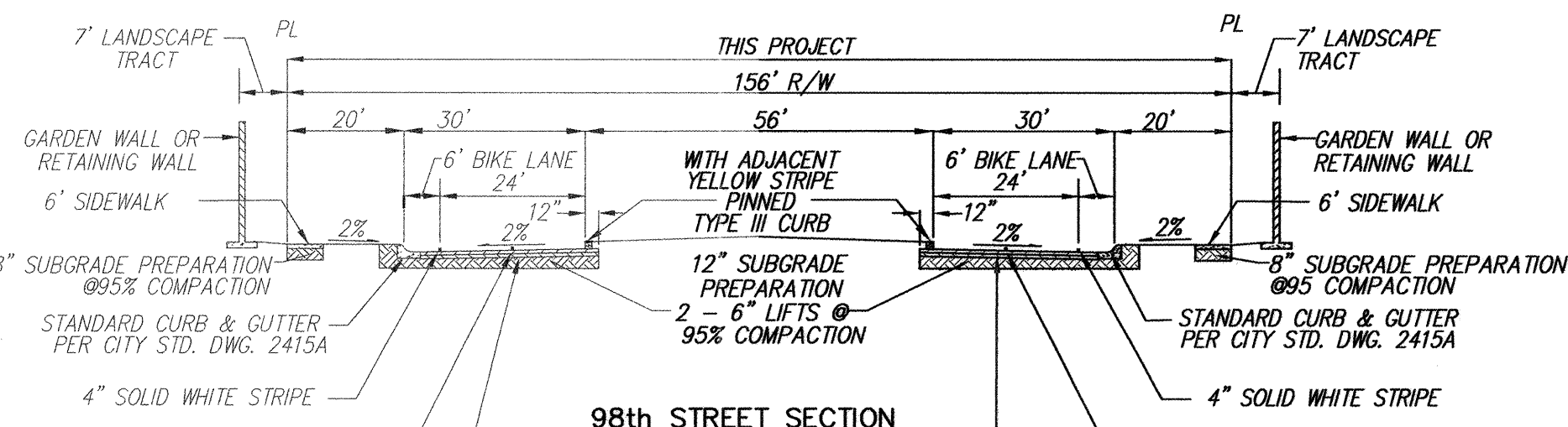
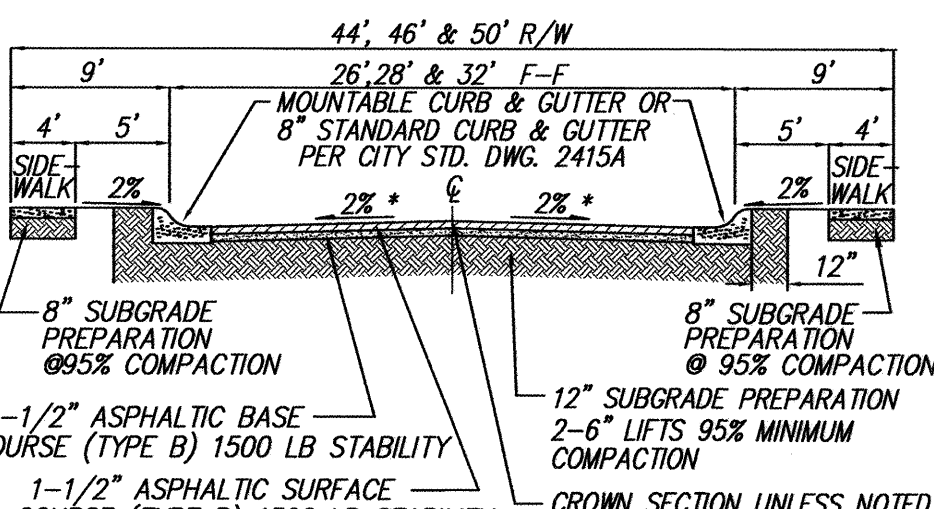
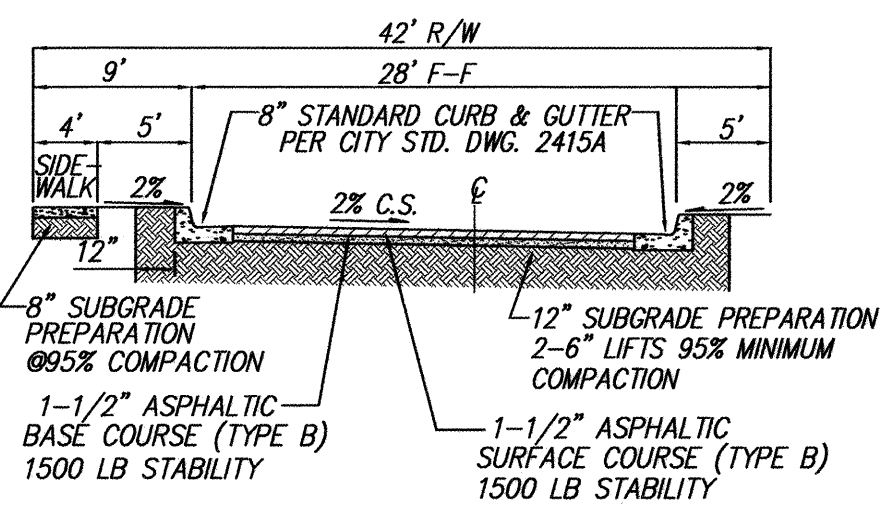
10-13-05

NMPE 11987



LEGEND

- NEW MOUNTABLE CURB & GUTTER
- FUTURE MOUNTABLE CURB & GUTTER
- NEW STANDARD CURB & GUTTER
- FUTURE STANDARD CURB & GUTTER
- EXISTING WALL
- SIDEWALK THIS PROJECT PER COA STD DWG 2430
- DEFERRED SIDEWALK
- NEW STORM DRAIN INLET
- PROPOSED STREET LIGHT LOCATION
- PROPOSED SPECIAL WHEEL CHAIR RAMP (THIS PROJECT)
- PROPOSED WHEEL CHAIR RAMP (THIS PROJECT)
- LOT LINE
- RIGHT-OF-WAY LINE
- CENTERLINE
- CROWN TRANSITION SEE NOTE 5
- DENNIS CHAVEZ BOULEVARD SW EXISTING PAVEMENT

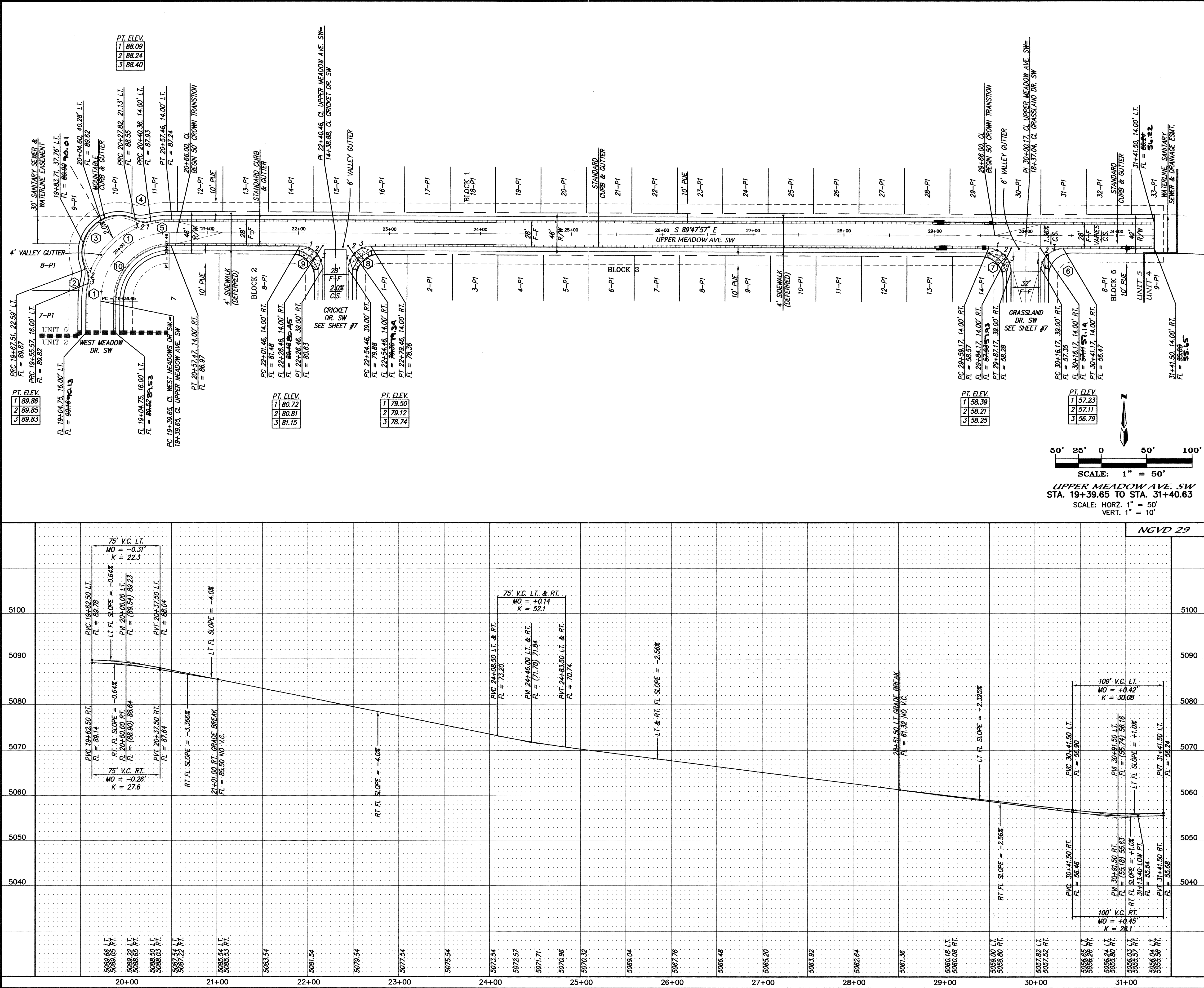


dmg MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS P.O. BOX 90606 ALBUQUERQUE, NEW MEXICO 87199 (505) 828-2200, FAX (505) 797-9539	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT	
TITLE: MEADOWS AT ANDERSON HILLS - UNIT 5 MASTER PAVING PLAN	
DESIGN REVIEW COMMITTEE APPROVED JAN 24 2005 REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVED FEB 28 2005 CITY ENGINEER
DESIGNED BY DLH	DATE 06/04
DRAWN BY TAS	DATE 06/04
CHECKED BY DMG	DATE 06/04
CITY PROJECT NO. 679587	ZONE MAP NO. P-9
SHEET 5 OF 10	

AS BUILT INFORMATION	
CONTRACTOR Sunshine	DATE
WORK STATION 2+100 TO 2+110	DATE
DESIGNED BY ALS	DATE
DRAWN BY ALS	DATE
CHECKED BY ALS	DATE
RECORDED BY ALS	DATE
MICRO-FILM INFORMATION	
NO.	DATE

ENGINEER'S SEAL	
HOELTER, DIANA L. NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 11987	
10-13-05	
REVISIONS	
NO.	DATE
1	06/04
2	06/04
3	06/04

SCANNED BY
MESA REPRO



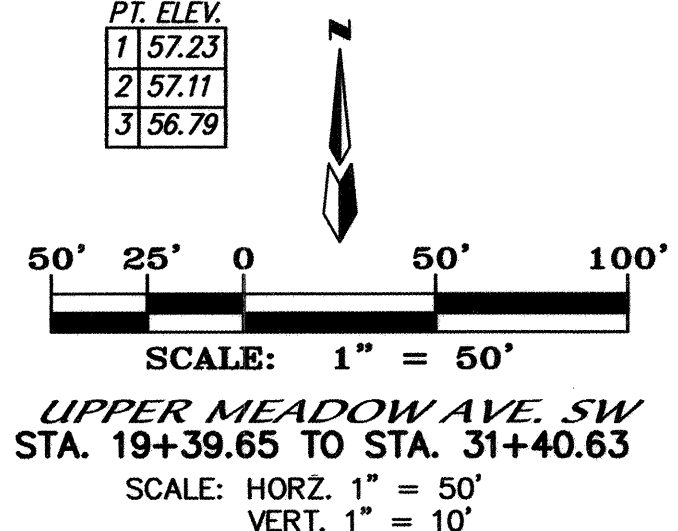
NOTES
1. ALL STATIONING IS CENTERLINE STATIONING.

CURVE DATA - DESCRIBES CENTERLINE

① $\Delta = 88^{\circ}28'19''$
 $R = 75.00'$
 $T = 73.03'$
 $L = 115.81'$

CURVE DATA - DESCRIBES FACE OF NEW CURB

① $\Delta = 127^{\circ}10'06''$
 $R = 91.00'$
 $T = 9.70'$
 $L = 19.33'$
② $\Delta = 381^{\circ}3'22''$
 $R = 25.00'$
 $T = 8.66'$
 $L = 16.68'$
③ $\Delta = 142^{\circ}47'22''$
 $R = 40.00'$
 $T = 118.82'$
 $L = 99.69'$
④ $\Delta = 39^{\circ}47'37''$
 $R = 25.00'$
 $T = 9.05'$
 $L = 17.36'$
⑤ $\Delta = 137^{\circ}3'33''$
 $R = 89.00'$
 $T = 10.19'$
 $L = 20.29'$
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 $\Delta = 90^{\circ}00'00''$
 $R = 25.00'$
 $T = 25.00'$
 $L = 39.27'$
⑩ $\Delta = 90^{\circ}00'37''$
 $R = 61.00'$
 $T = 61.01'$
 $L = 95.83'$



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS
I, Diana L. Hodges, N.M.P.E. 11967, of the firm, Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, hereby certify that the plans and specifications shown on these drawings were prepared by me or under my direct supervision, 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 Certificate is based on site inspections by me or personnel under my direction, any other information provided by A.S. Inc., N.M.P.S. number 1719.
Plans No. 10-13-05
N.M.P.E. 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: MEADOWS AT ANDERSON HILLS - UNIT 5
UPPER MEADOW AVE. SW
PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE
APPROVED
JAN 24 2005
DESIGN COMMITTEE

CITY ENGINEER APPROVAL
APPROVED
JAN 24 2005
ENGINEER

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

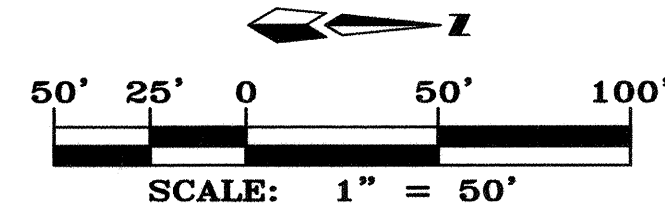
CITY PROJECT NO.

ZONE MAP NO.

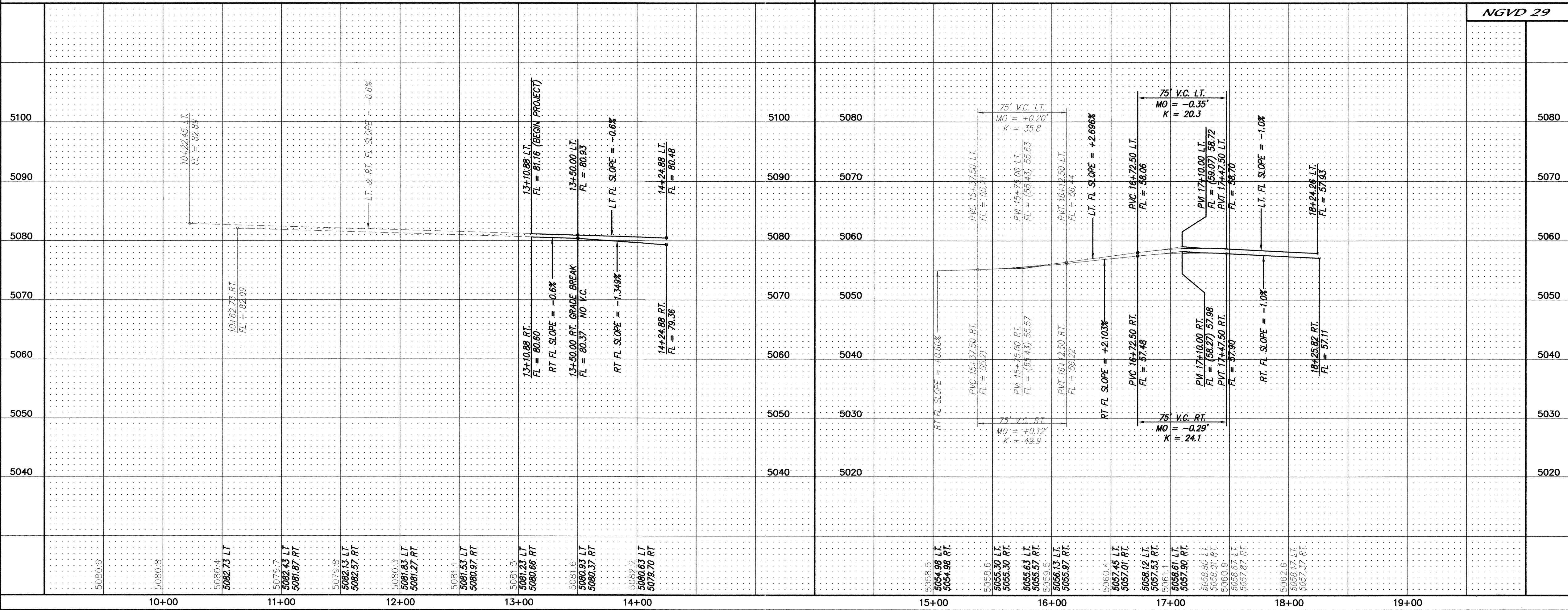
SHEET OF

679587 P-9 6 10

3CANNED BY
MESA REPRO



CRICKET PL. SW
STA. 10+00.00 TO STA. 14+38.88
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

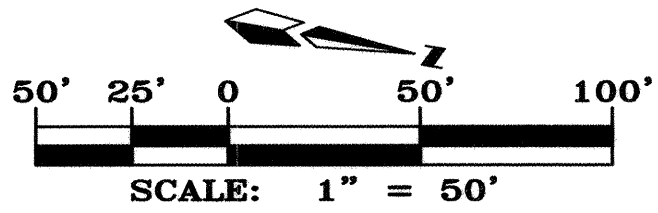


NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

CURVE DATA - DESCRIBES FACE OF NEW CURB

① $\Delta = 90'00'00''$ $R = 25.00'$ $T = 25.00'$ $L = 39.27'$	② $\Delta = 90'00'00''$ $R = 25.00'$ $T = 25.00'$ $L = 39.27'$	③ $\Delta = 90'00'00''$ $R = 25.00'$ $T = 25.00'$ $L = 39.27'$
④ $\Delta = 74'50'19''$ $R = 25.00'$ $T = 19.13'$ $L = 32.65'$	⑤ $\Delta = 275'02'38''$ $R = 40.00'$ $T = N/A$ $L = 192.02'$	⑥ $\Delta = 20'12'19''$ $R = 25.00'$ $T = 4.45'$ $L = 8.82'$
⑦ $\Delta = 90'00'00''$ $R = 25.00'$ $T = 25.00'$ $L = 39.27'$	⑧ $\Delta = 90'00'00''$ $R = 25.00'$ $T = 25.00'$ $L = 39.27'$	⑨ $\Delta = 90'00'00''$ $R = 25.00'$ $T = 25.00'$ $L = 39.27'$
⑩ $\Delta = 90'00'00''$ $R = 25.00'$ $T = 25.00'$ $L = 39.27'$	⑪ $\Delta = 90'00'00''$ $R = 25.00'$ $T = 25.00'$ $L = 39.27'$	⑫ $\Delta = 90'00'00''$ $R = 25.00'$ $T = 25.00'$ $L = 39.27'$



GRASSLAND DR. SW
STA. 10+00.00 TO STA. 18+37.04
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

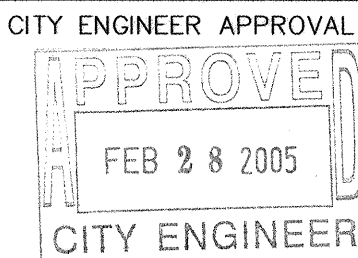
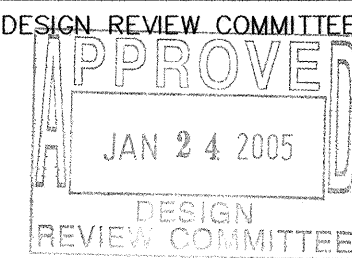
I, Diane L. Hoelzer, NMPE 11967, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City of Albuquerque, New Mexico, and that the construction of the project has been completed in accordance with the approved plans and specifications. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by A.L.S. Inc., NMPS number 7719.

Dated: 10/13/05

Mark Goodwin & Associates, P.A.
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

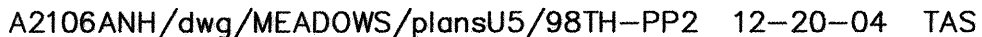
TITLE: MEADOWS AT ANDERSON HILLS - UNIT 5
CRICKET PL./GRASSLAND DR. SW
PAVING IMPROVEMENTS



CITY PROJECT NO.

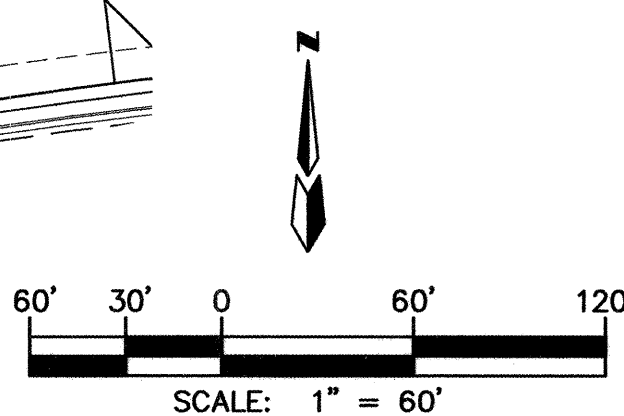
ZONE MAP NO.

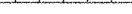
SHEET OF



SHEET OF

NO.	DATE	DESIGNED BY	DATE
		JDH	03/03
DRAWN BY			
		NHE	03/03
CHECKED BY			
		NMC	03/03
REVISIONS			
DESIGN			



 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
 CENTERLINE
 DRIVEWAY
 STORM DRAIN INLET THIS PROJECT
 EXISTING STORM DRAIN INLET
 PROPOSED STORM DRAIN LINE
 PROPOSED STORM DRAIN MANHOLE

PROPOSED SANITARY SEWER LINE

 PROPOSED SANITARY SEWER MANHOLE

 PROPOSED WATERLINE

 PROPOSED WATERLINE CROSS

 PROPOSED WATERLINE TEE

 PROPOSED WATERLINE REDUCER

 PROPOSED WATERLINE CAP

 PROPOSED WATERLINE BEND

 PROPOSED FIRE HYDRANT

 PROPOSED GATE VALVE

 PROPOSED ADDRESS
 (10000)

I, Diane L. Hoelzer, NMPE 11967, 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.

Handwritten: Diane K. Hoelzer 10-13-05
 Diane K. Hoelzer NMPE 11967

[illegible]



29+09.12, 14.00' RT, NEW SD INLET #2042 1" NEW TYPE DOUBLE "A" INLET INV = 56.42 FL = 59.84 GRATE = 56.41 59.65 (O = 8.0 cfs)		40.41 LF 18" RCP SD SL = -2.52%		28.60 LF 24" RCP SD SLOPE = -5.24%		5060
29+54.20, 14.00' RT, NEW SD INLET #2041 1" NEW TYPE SINGLE "C" INLET INV = 56.60 FL = 59.69 GRATE = 56.46 58.50 (O = 4.5 cfs)		54.55 INV = 56.60 FL = 59.69 GRATE = 56.46 58.50 (O = 4.5 cfs)		53.15 INV (NW-147) = 54.60 56.00 INV (SW-147) = 54.60 56.00 INV (E) = 56.00 52.15 RM = 56.00 58.03		5050
29+83.74, SD HH #204 NEW 4" MANHOLE INV (NW-147) = 54.60 56.00 INV (SW-147) = 54.60 56.00 INV (E) = 56.00 52.15 RM = 56.00 58.03						5040

MARK GOODWIN & ASSOCIATES, P.A.
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ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9511

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE:

**MEADOWS AT ANDERSON
UPPER MEADOW "A"
UTILITY IMPROVE**

DESIGN REVIEW COMMITTEE

JAN 24 2005

DESIGN
REVIEW COMMITTEE

CITY ENGINEER APPROVAL

FEB 28 2005

CITY ENGINEER

CITY PROJECT NO. **679587**

ZONE MAP

[illegible]