

SCANNED  
BY PLN

CONSTRUCTION PLANS

FOR

26-7634-81106

ANCALA VILLAGE

ALBUQUERQUE, NEW MEXICO

2	3	4	5	6	7	8	9	10	11	12	13	14	15
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I, WILLY PLOTNER JR., 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. CARTESIAN SURVEYS IS NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING, OR INTENT OF THE RECORD DRAWINGS.

## INDEX TO DRAWINGS

SHEET NO.	SHEET
1	TITLE SHEET
2	PLAT
3	GRADING AND DRAINAGE PLAN
4	PAVING IMPROVEMENTS
5	UTILITY IMPROVEMENTS

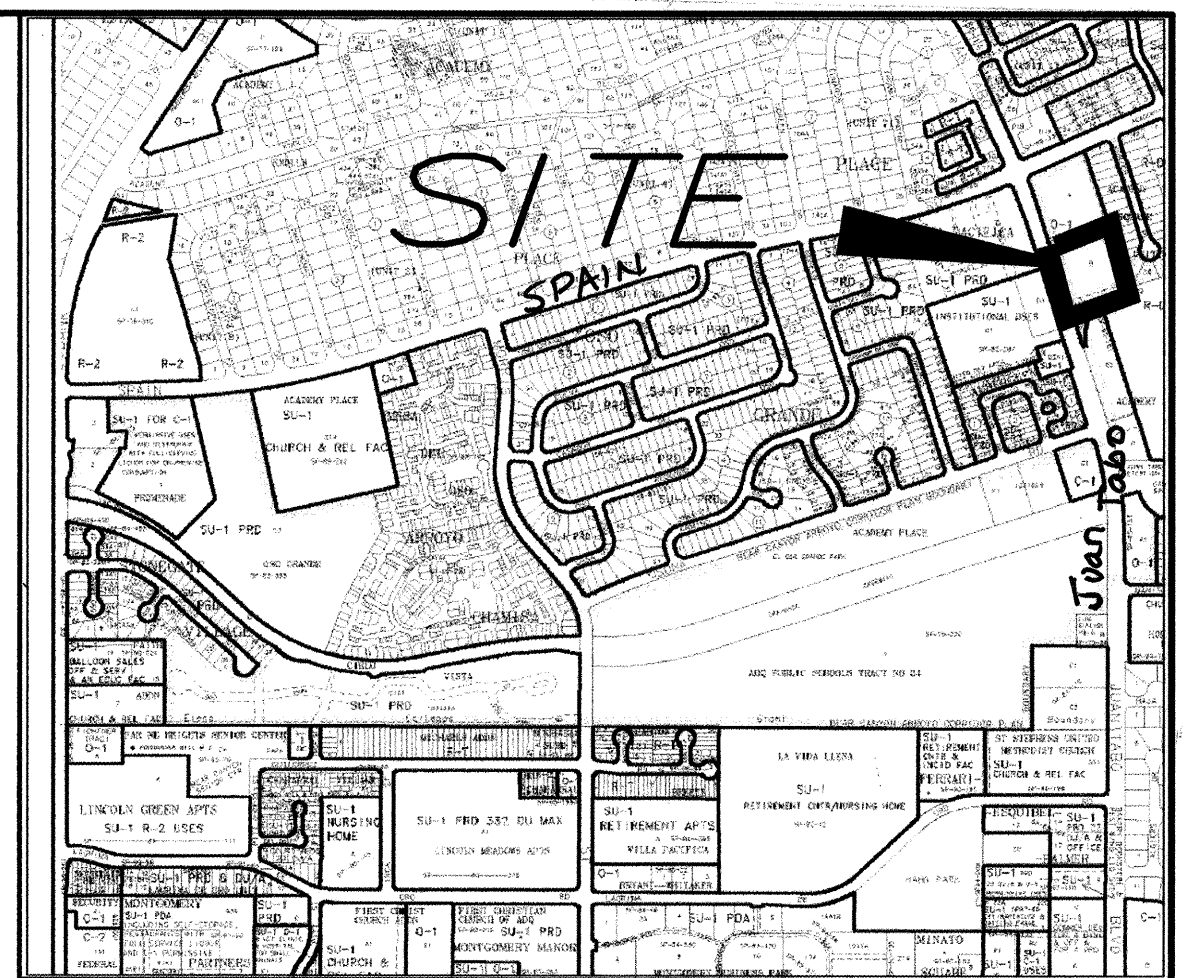
I, Diane Hoelzer, NMPE # 11967, of the firm Mark Goodwin & Associates, PA, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person 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.

APPROVED AS RECORD DRAWINGS  
DESIGN REVIEW SECTION  
CITY CONSTRUCTION ENGINEER  
Bryan Wolfe, BRYAN Wolfe?  
DATE: 6/15/2006

DRB NO. 1003749

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) 797-9535



VICINITY MAP ZONE ATLAS F-21-Z

SCALE: NONE

## 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.  
2 (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 ARTERIAL SECTION. 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 STOPPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REINFORCED CONCRETE PAVING BARRING 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 DAMAGED WITHOUT DELAY. 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.
9. CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS-BUILT" 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 BEGINNING VALVE TURNING OR OTHER WORK.
12. FOR STORM DRAIN CONSTRUCTION, ROJ 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.

[illegible]

A40JOBS/A4100JTT/PLANS/A4024-TITLE 05-31-05 CAR



PRELIMINARY PLAT  
**ANCALA VILLAGE**  
**TOWNHOMES SUBDIVISION**  
 WITHIN THE  
 ELENA GALLEGOS GRANT  
 PROJECTED SECTION 34  
 TOWNSHIP 11 NORTH, RANGE 4 EAST, N.M.P.M.  
 CITY OF ALBUQUERQUE  
 BERNALILLO COUNTY, NEW MEXICO  
 MARCH, 2005

## DESCRIPTION

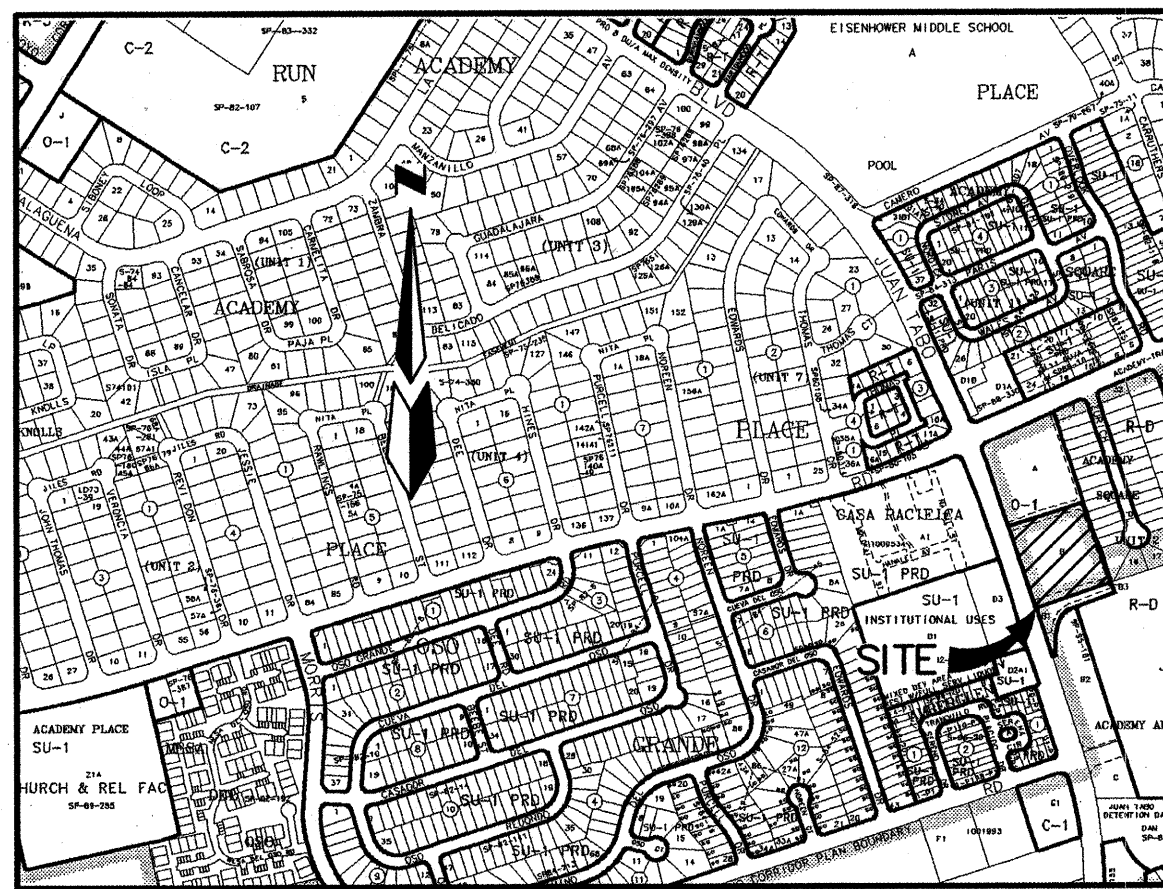
A tract of land situate within the Elena Gallegos Grant, Projected Section 34, Township 11 North, Range 4 East, New Mexico Principal Meridian, City of Albuquerque, Bernalillo County, New Mexico being all of TRACT B, UNIT 2, ACADEMY SQUARE filed for record in the office of the County Clerk of Bernalillo County, New Mexico on May 24, 1979, Book D9, Page 131 and containing 2.3659 acres more or less.

## PURPOSE OF PLAT

1. Subdivide Tract B, Unit 2, Academy Square into 16 Lots and 4 Tracts.
2. Grant easements as shown.
3. Vacate easements as shown.

## SUBDIVISION DATA

Gross acreage.....2.3659 AC.  
 Zone Atlas No.....F-21-Z  
 No. of existing Tracts/Lots.....1 Tract  
 No. of Tracts/Lots created.....4 Tracts/16 Lots  
 No. of Tracts/Lots eliminated.....1 Tract  
 Right-of-way dedicated to City.....0.0000 Ac  
 Date of Survey.....February, 2005  
 Zoning.....O-1



LOCATION MAP SCALE: 1"=750' F-21-Z


## CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Diane Hoeizer, 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.

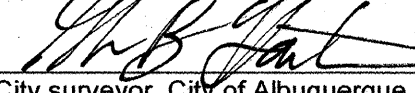
Diane Hoeizer NMPE 11967



## NOTES


1. Bearings are New Mexico State Plane Grid Bearings (Central Zone).
2. Distances are ground distances.
3. Bearings and distances in parenthesis are record.
4. Basis of boundary are the following plats of record entitled:  
 PLAT OF "ACADEMY SQUARE, UNIT 2, TRACT B",  
 (05-24-1979, D9-131)  
 PLAT OF "ACADEMY ADDITION, TRACT B-1",  
 (07-14-95, 95C-257)  
 all being records of Bernalillo County, New Mexico.
5. Field Survey performed on February, 2005.
6. UTILITY COUNCIL LOCATION SYSTEM LOG NO.: 2005071028
7. Title Report Provided by First American Title Insurance Company  
 File No.: NM04-478358-AL02, CHM
8. City of Albuquerque, New Mexico Zone: O-1
9. 100 Year Flood Zone Designation: Zone X, as shown on Panel 144 of 825, Flood Insurance Rate Map, City of Albuquerque, Bernalillo County, New Mexico, dated September 20, 1996. (This Property does not lie within the 100 Year Flood Plain.)
10. All street centerline monumentation shall be installed at all centerline PC'S, PT'S, Angle Points, street intersections and shown thus  will be marked by a four inch (4") aluminum cap stamped: "CITY OF ALBUQUERQUE CENTERLINE MONUMENTATION" "DO NOT DISTURB" "PLS # 7719".
11. 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.
12. Tract "A" is a private drainage and access easement Granted to and to be maintained by the Ancala Village Homeowners Association. Tract "A" is also a public water and sanitary sewer easement granted to the Albuquerque Bernalillo County Utility Authority.
13. Tract "B" is a private drainage easement and a public water and sanitary sewer easement granted to the Albuquerque Bernalillo County Utility Authority and a private access easement for the joint benefit of the Ancala Village and Academy Square Unit 2, Tract A to be maintained by the Ancala Village Homeowners Association.
14. Tracts 'C', 'D' and AB to be maintained by Ancala Home Owners Assoc.

Approved for Monumentation & Street Names:

  
 City surveyor, City of Albuquerque, N.M.

3-29-05  
 DATE

Owner: Alpha Equities, LLC:

  
 Rhett Waterman, Managing Member

3/24/05  
 DATE

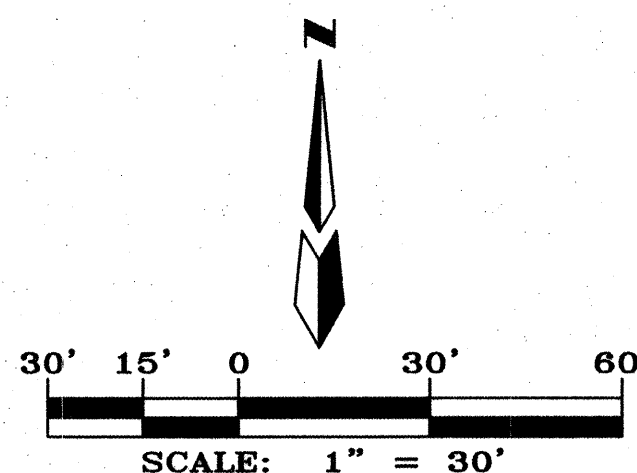
## PROPERTY CORNERS

- FOUND CROSS IN CONCRETE
- FOUND PK W/TAG
- FOUND 5/8" REBAR WITH CAP "LS 4071"
- SET 5/8" REBAR WITH CAP "ALS LS 7719"

## NOTE: ▲

CENTERLINE (IN LIEU OF R/W) MONUMENTATION IS TO BE INSTALLED AT ALL CENTERLINE PC'S, PT'S, ANGLE POINTS AND STREET INTERSECTIONS AS SHOWN HEREON, AND WILL CONSIST OF A FOUR INCH (4") ALUMINUM ALLOY CAP STAMPED "CITY OF ALBUQUERQUE", "CENTERLINE MONUMENT", "DO NOT DISTURB", "PLS # 7719".

CURVE TABLE									
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CH-BEARING=CH-DIST=				
C1	20.00	3843.54	0°17'53"	10.00	N18°00'55"W	20.00			
C29	39.09	25.00	89°35'19"	24.82	S27°16'21"W	35.23			
C30	30.61	159.00	11°01'46"	15.35	N12°00'26"W	30.56			
C31	14.52	159.00	5°13'51"	7.26	N03°52'37"W	14.51			
C32	20.37	141.00	8°16'39"	10.20	S05°24'01"E	20.35			
C33	19.64	141.00	7°58'58"	9.84	S13°31'49"E	19.63			
C34	2.05	25.00	4°42'24"	1.03	S19°52'30"E	2.05			
C35	17.01	25.00	38°59'04"	8.85	S41°43'14"E	16.68			
C36	21.58	40.00	30°54'38"	11.06	N45°45'27"W	21.32			
C37	36.12	40.00	51°44'27"	19.40	N04°25'54"W	34.91			
C38	35.63	40.00	51°02'22"	19.10	N46°57'31"E	34.47			
C39	35.63	40.00	51°02'22"	19.10	S82°00'07"E	34.47			
C40	36.12	40.00	51°44'27"	19.40	S30°36'43"E	34.91			
C41	17.01	25.00	38°59'04"	8.85	N06°40'37"E	16.68			
C42	21.58	40.00	30°54'38"	11.06	S10°42'50"W	21.32			
C43	2.05	25.00	4°42'24"	1.03	N15°10'07"W	2.05			
C45	19.64	141.00	7°58'58"	9.84	N21°30'47"W	19.63			
C46	20.37	141.00	8°16'39"	10.20	N29°38'36"W	20.35			
C47	14.52	159.00	5°13'51"	7.26	S31°10'00"E	14.51			
C48	30.61	159.00	11°01'46"	15.35	S23°02'11"E	30.56			
C49	39.45	25.00	90°24'41"	25.18	N62°43'39"W	35.48			



## OWNERS

ALPHA EQUITIES, LLC  
 P.O. Box 10005  
 Albuquerque, NM 87184  
 (505) 922-4911

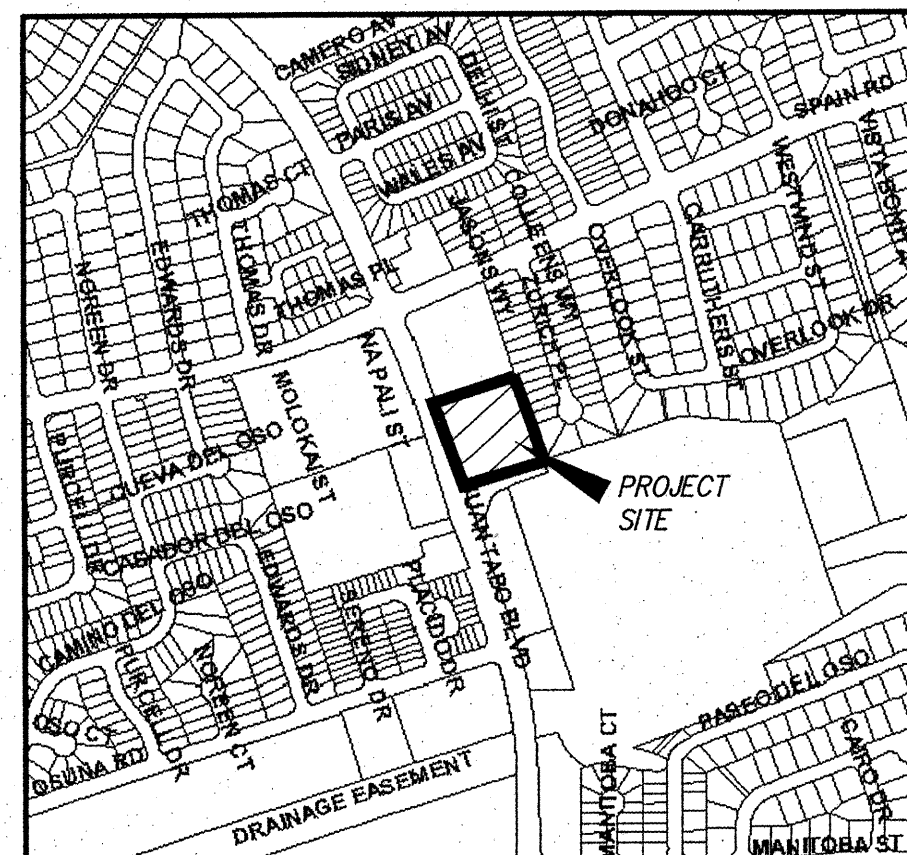
## ENGINEERS

MARK GOODWIN &  
 ASSOCIATES  
 CONSULTING ENGINEERS  
 P.O. BOX 90606  
 ALBUQUERQUE, N.M. 87199  
 (505) 828-2200

## SURVEYOR

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

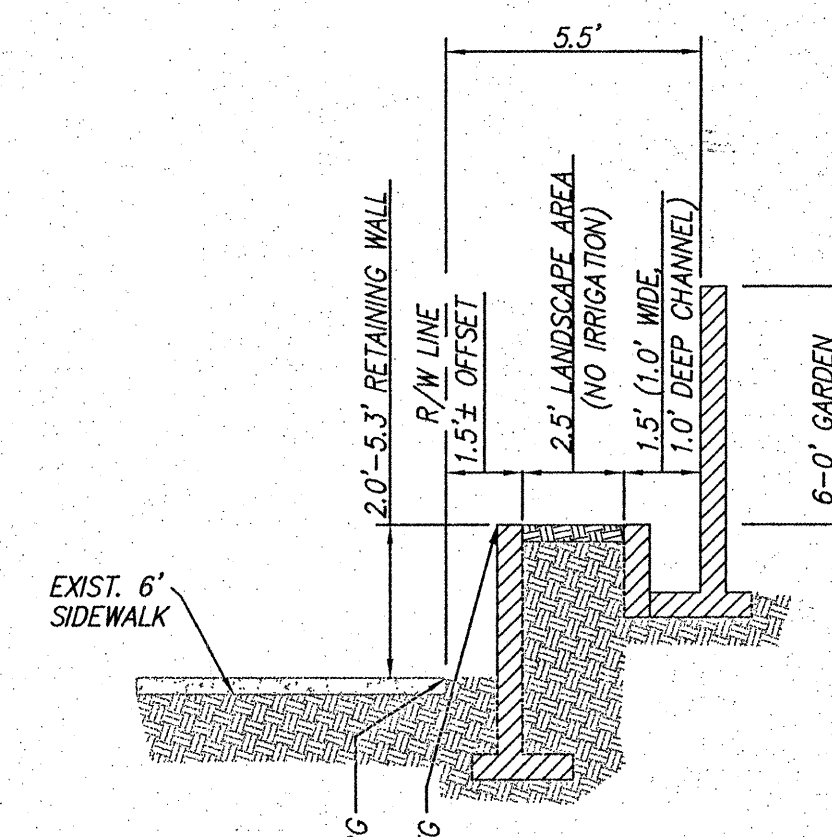
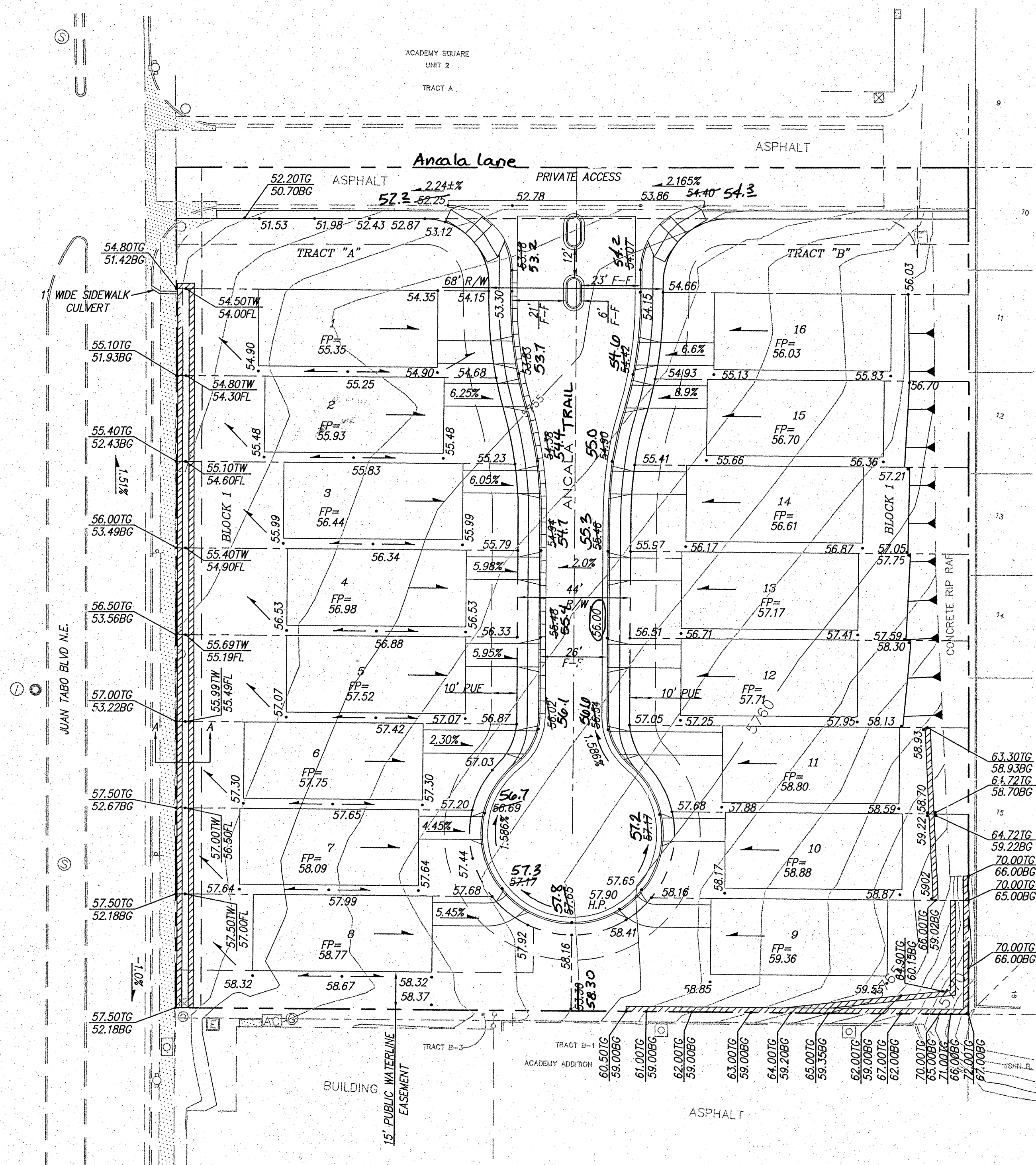




LOCATION MAP

ZONE ATLAS F-21

SCALE: NONE











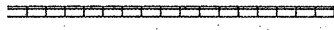
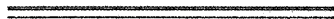
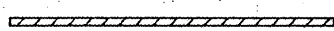




RETAINING WALL/CHANNEL/ GARDEN WALL INTERFACE  
(DETAIL A-A)

NTS  
BG= EXIST. TOP SIDEWALK/BOTTOM GRADE  
TG= TOP OF GRADE

## NOTES

### LEGEND

-----5770-----	EXISTING CONTOUR (MAJOR)
-----	EXISTING CONTOUR (MINOR)
$\frac{TC_{101}}{FL_{101}}$	EXISTING SPOT ELEVATION
x 00.00	EXISTING SPOT ELEVATION
=====	EXISTING CONCRETE CURB
	EXISTING CONCRETE SIDEWALK
	EXISTING RETAINING WALL
	EXISTING SANITARY SEWER MANHOLE
	EXISTING FIRE HYDRANT
	EXISTING TELEPHONE PEDESTAL
	EXISTING DROP INLET
=====	EXISTING BLOCK WALL
x-----x-----x-----x-----x	EXISTING FENCE
---EXIST SD---	EXISTING STORM PIPE
	EXISTING SD MANHOLE
*69.85	NEW SPOT ELEVATION
FP= 69.00	NEW FINISHED PAD ELEVATION
	NEW FLOW ARROW
	NEW SLOPE
=====	NEW STORM DRAIN
	NEW STORM INLET
	NEW STANDARD CURB & GUTTER
	NEW MOUNTABLE CURB & GUTTER
	NEW RETAINING WALL
	EXIST. DRY UTILITY BOX/PEDESTAL
	EXIST. STREET LIGHT

**Certification**  
THE CHANGES SHOWN HEREON ARE BASED UPON A  
FIELD SURVEY CONDUCTED BY ME OR UNDER MY  
SUPERVISION AND REFLECT THE LOCATIONS  
(VERTICALLY AND HORIZONTALLY) TO THE BEST OF  
MY KNOWLEDGE AND BELIEF

Will T. Lotman

**dmg** MARK GOODWIN & ASSOCIATES, P.A.  
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ALBUQUERQUE, NEW MEXICO 87199  
(505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

TITLE: ANCALA VILLAGE SUBDIVISION  
GRADING AND DRAINAGE PLAN

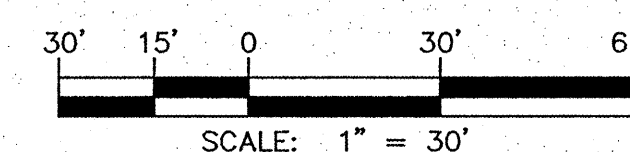
DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL

For Information Only

CITY PROJECT NO.

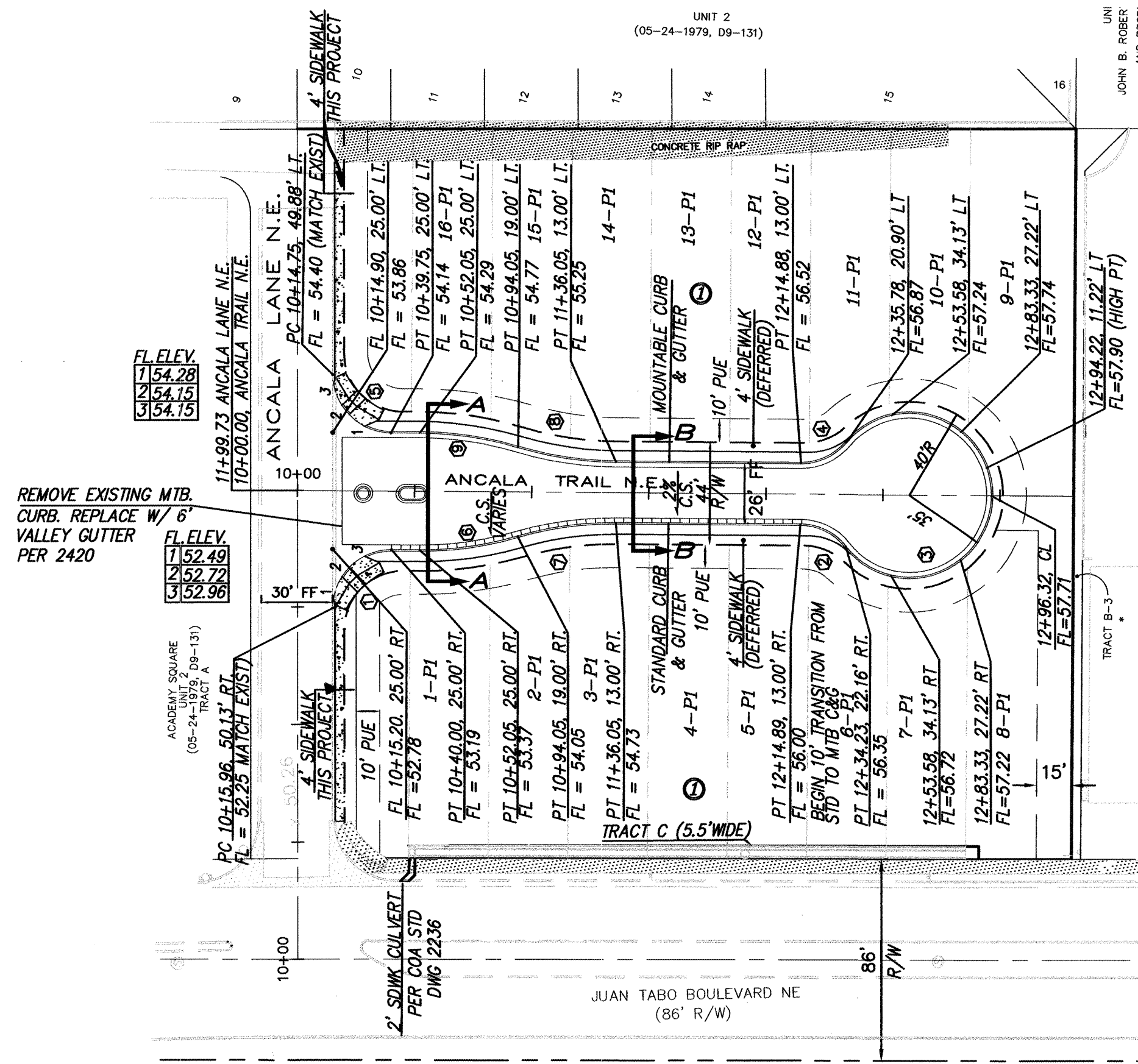
ZONE MAP NO.  
F-2.

3 of 5





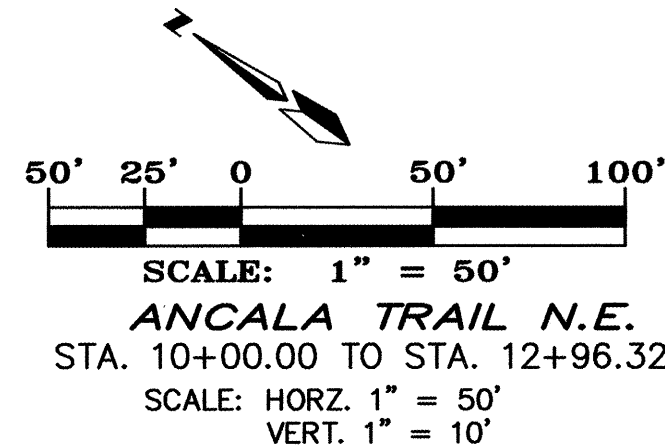
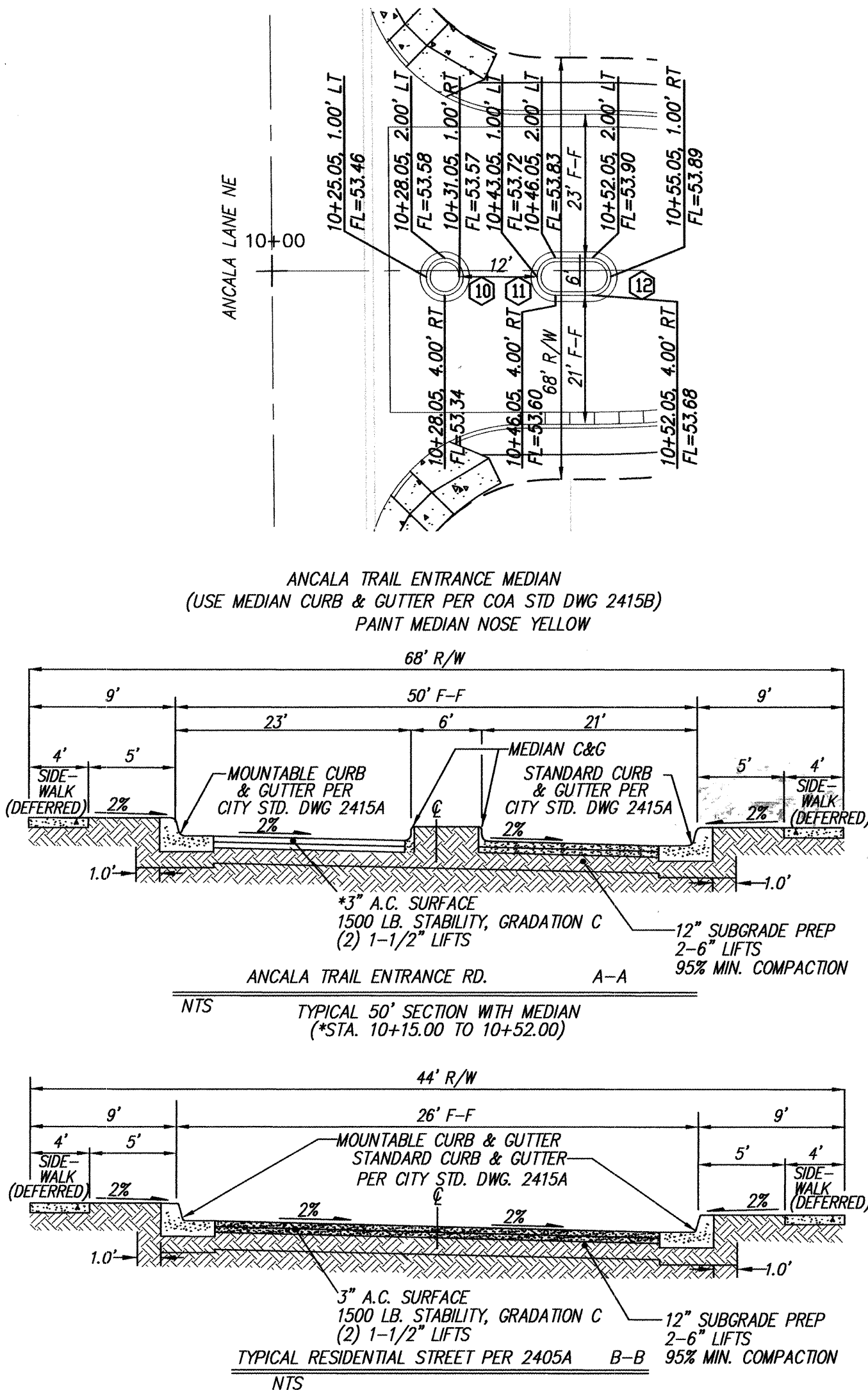
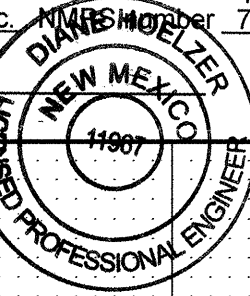
SCANNED BY *PLN*



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Diane 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 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., 7719.

*Diane Hoelzer* 5-25-06  
Diane Hoelzer NMPE 11967



- NOTES:
- ALL 6" VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2420 AT ALL INTERSECTIONS.
  - ALL HANDICAP RAMPS PER COA STD DWG 2441, UNLESS OTHERWISE NOTED.
  - USE 10' TRANSITION FROM MOUNTABLE CURB TO STANDARD CURB PER COA STD DWG 2418.
  - ALL SIDEWALKS PER COA STD DWG 2430.

CURVE DATA - DESCRIBES FACE OF CURB RETURNS

① Δ = 90°18'38"	② Δ = 50°42'13"	③ Δ = 281°42'25"
R = 25.00	R = 25.00	R = 35.00
T = 25.14	T = 11.85	T = 28.64
L = 39.41	L = 22.12	L = 171.90
④ Δ = 50°42'13"	⑤ Δ = 89°43'43"	⑥ Δ = 16°15'37"
R = 25.00	R = 25.00	R = 150.00
T = 11.85	T = 24.88	T = 21.43
L = 22.12	L = 39.15	L = 42.57
⑦ Δ = 16°15'37"	⑧ Δ = 16°15'37"	⑨ Δ = 16°15'37"
R = 150.00	R = 150.00	R = 150.00
T = 21.43	T = 21.43	T = 21.43
L = 42.57	L = 42.57	L = 42.57
⑩ Δ = 180°00'00"	⑪ Δ = 180°00'00"	⑫ Δ = 180°00'00"
R = 3.00	R = 3.00	R = 3.00
T = 3.00	T = 3.00	T = 3.00
L = 18.85	L = 9.42	L = 9.42

**Certification**  
THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICALLY AND HORIZONTALLY) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Wm. Platter*

**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**

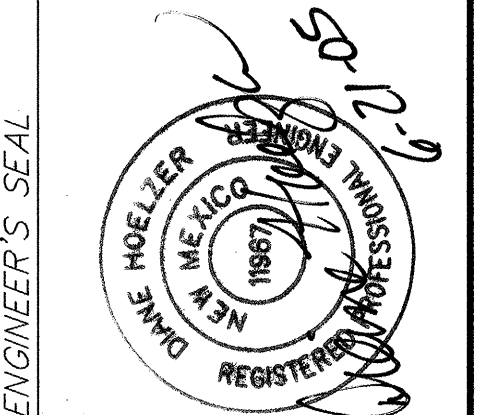
TITLE: **ANCLA TRAIL N.E.  
PAVING IMPROVEMENTS**

DESIGN REVIEW COMMITTEE  
JUL 22 2005  
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL  
SEP - 7 2005  
CITY ENGINEER

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

CITY PROJECT NO. **763481** ZONE MAP NO. **F-21** SHEET **4** OF **5**



NO.	DATE	REMARKS	BY
		DESIGN	
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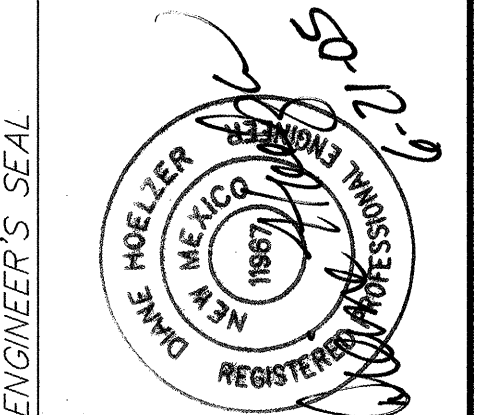
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	Hydro Systems Inc.	JAN 04
	INSPECTOR	DATE
	NGA	2006
	ACCEPTANCE BY	DATE
	VERIFICATION BY	DATE
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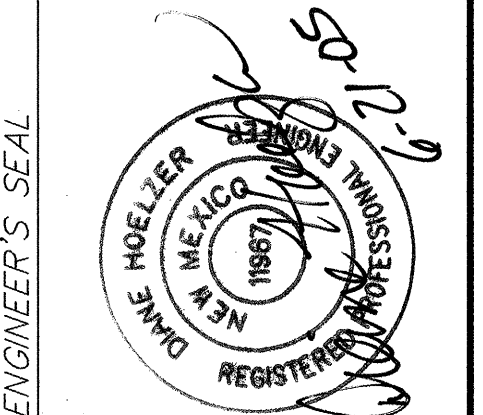
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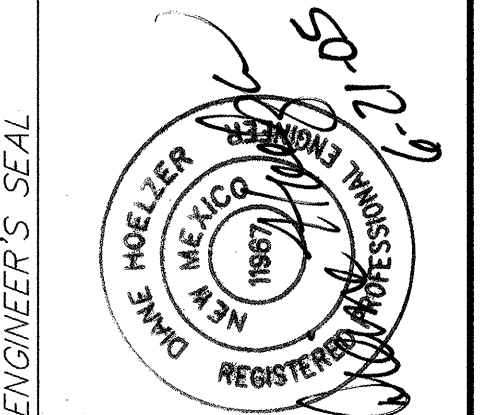
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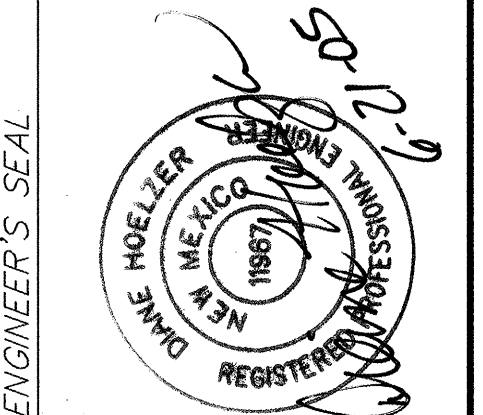
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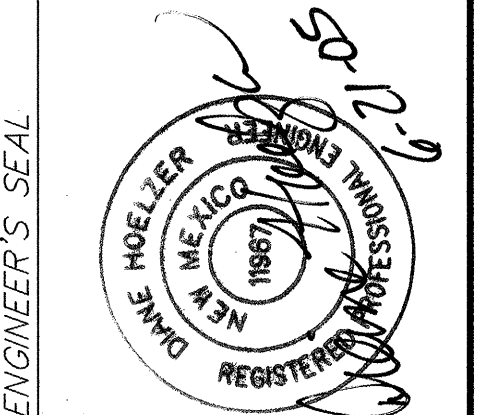
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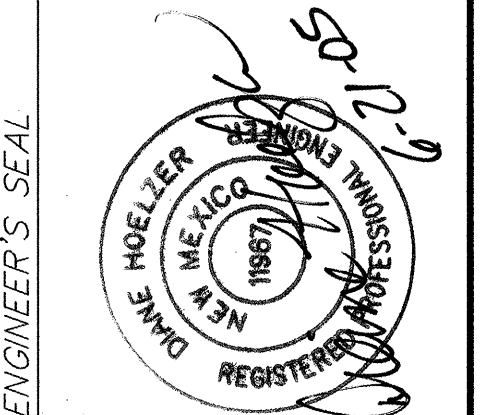
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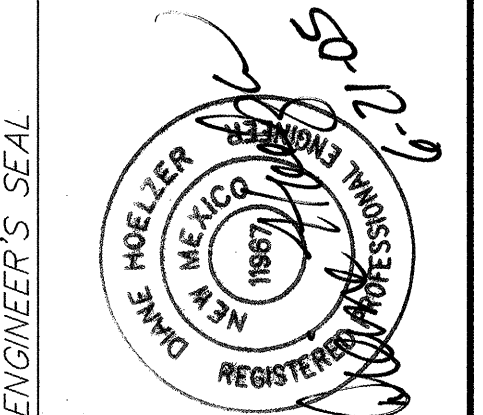
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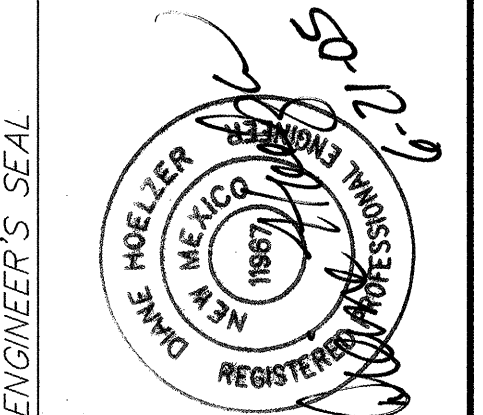
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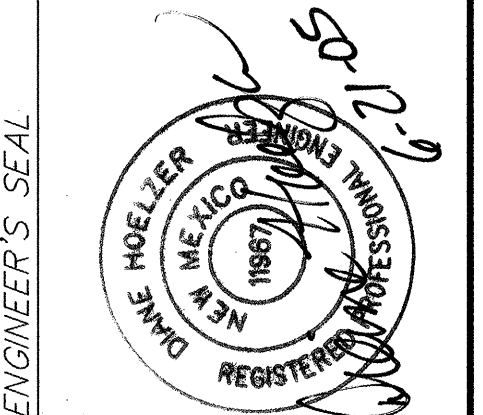
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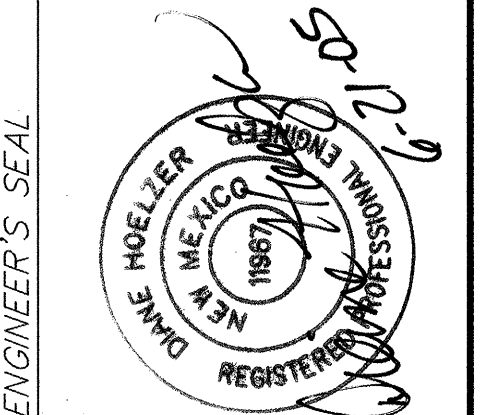
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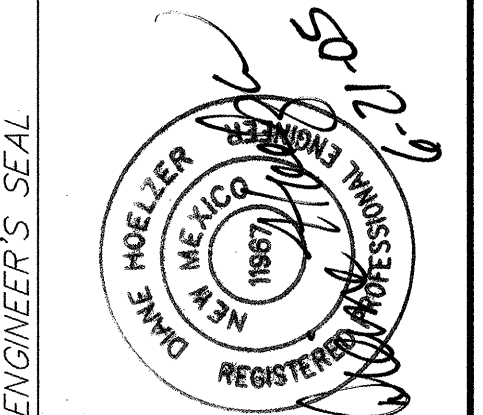
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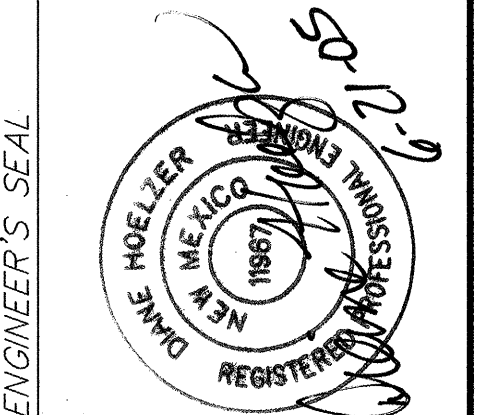
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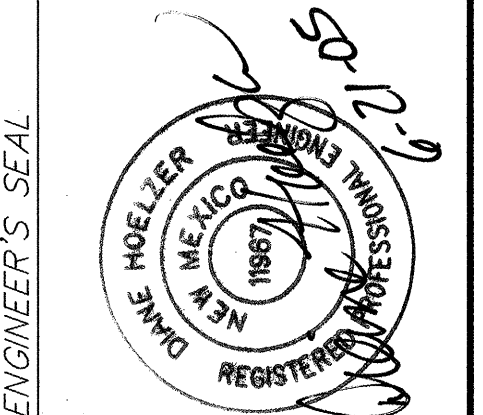
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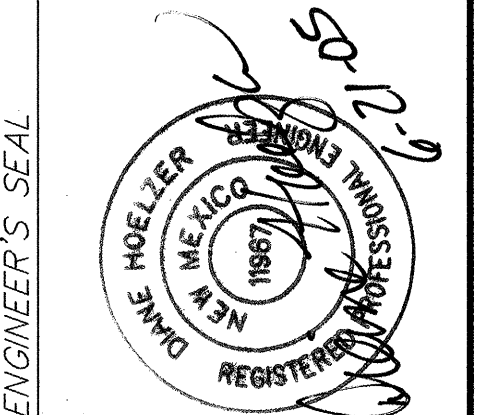
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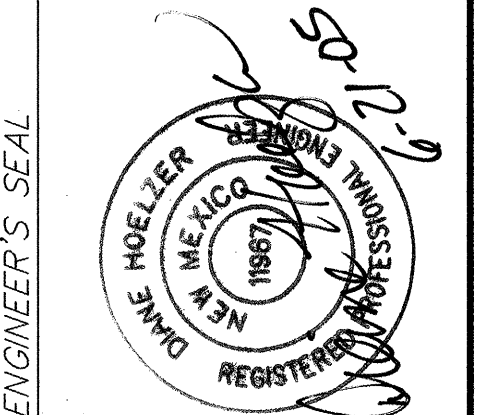
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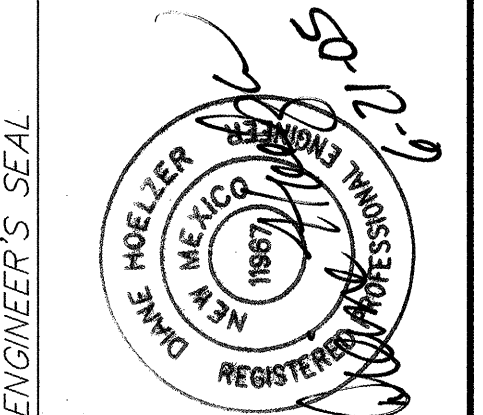
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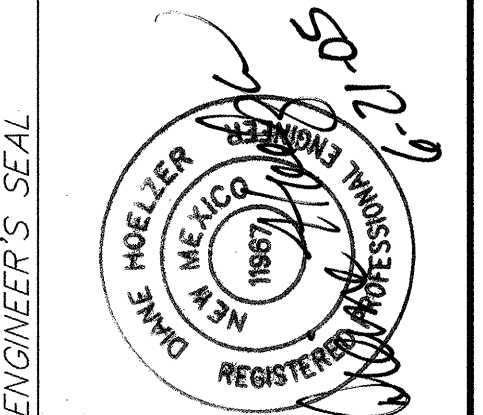
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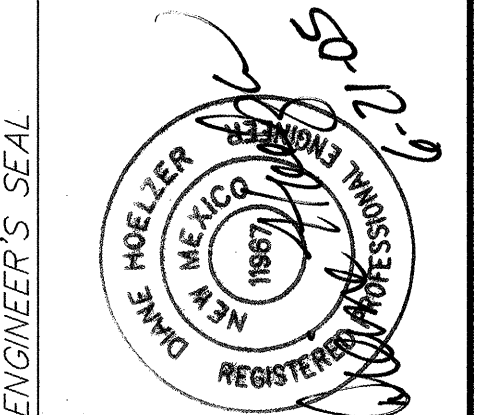
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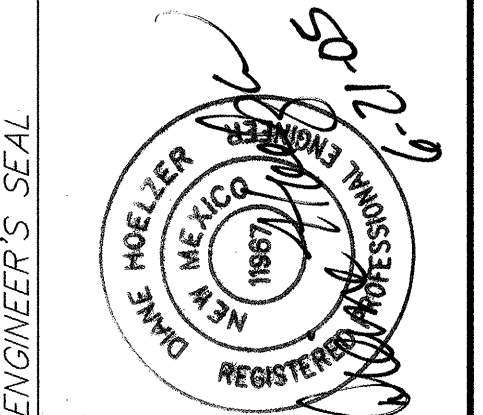
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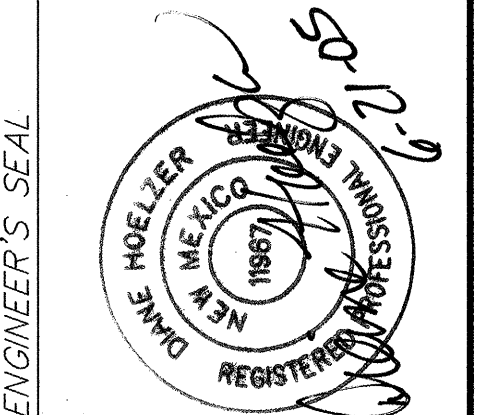
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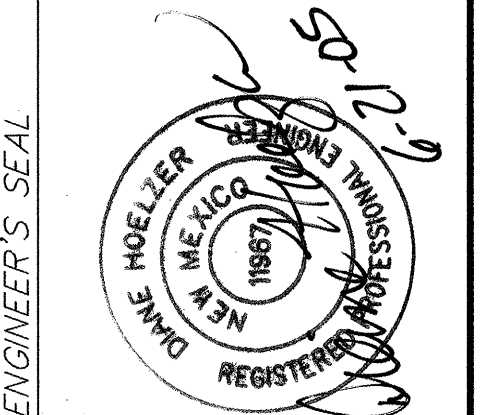
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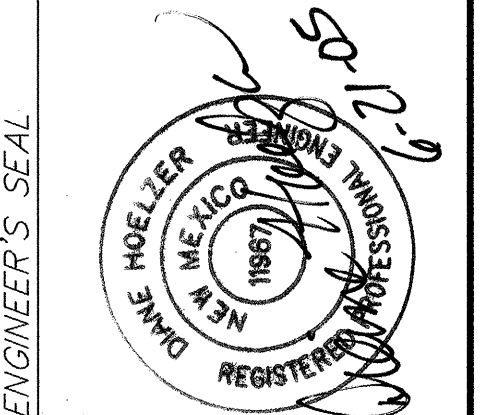
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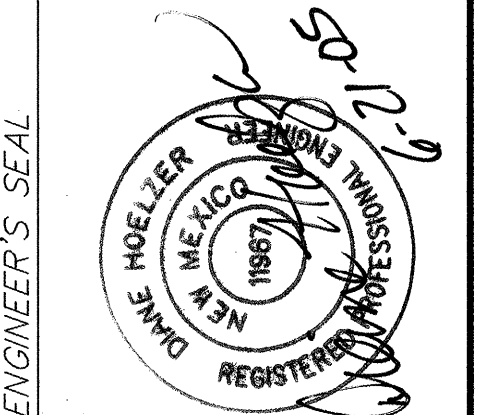
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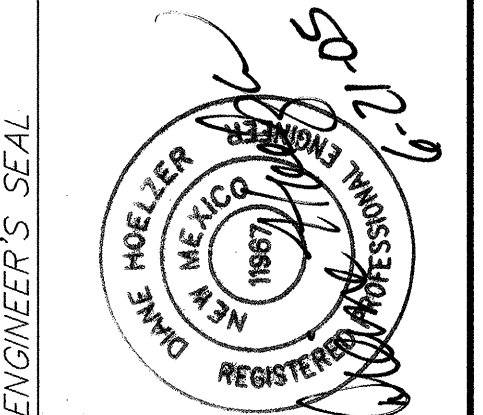
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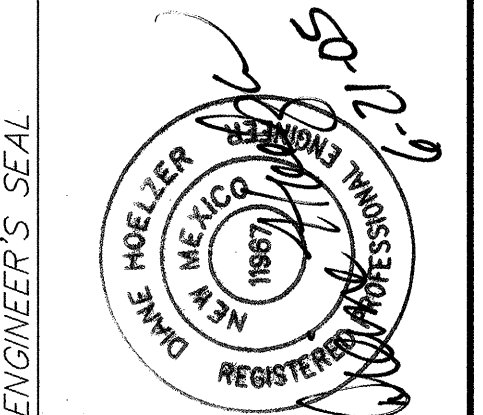
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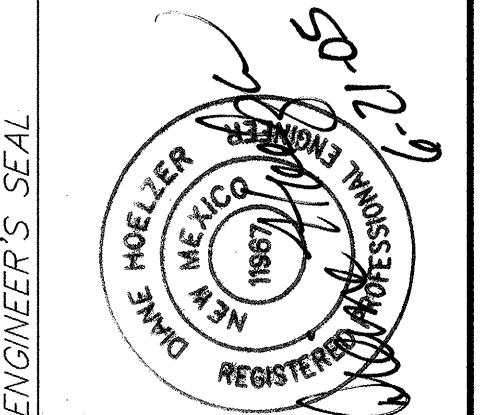
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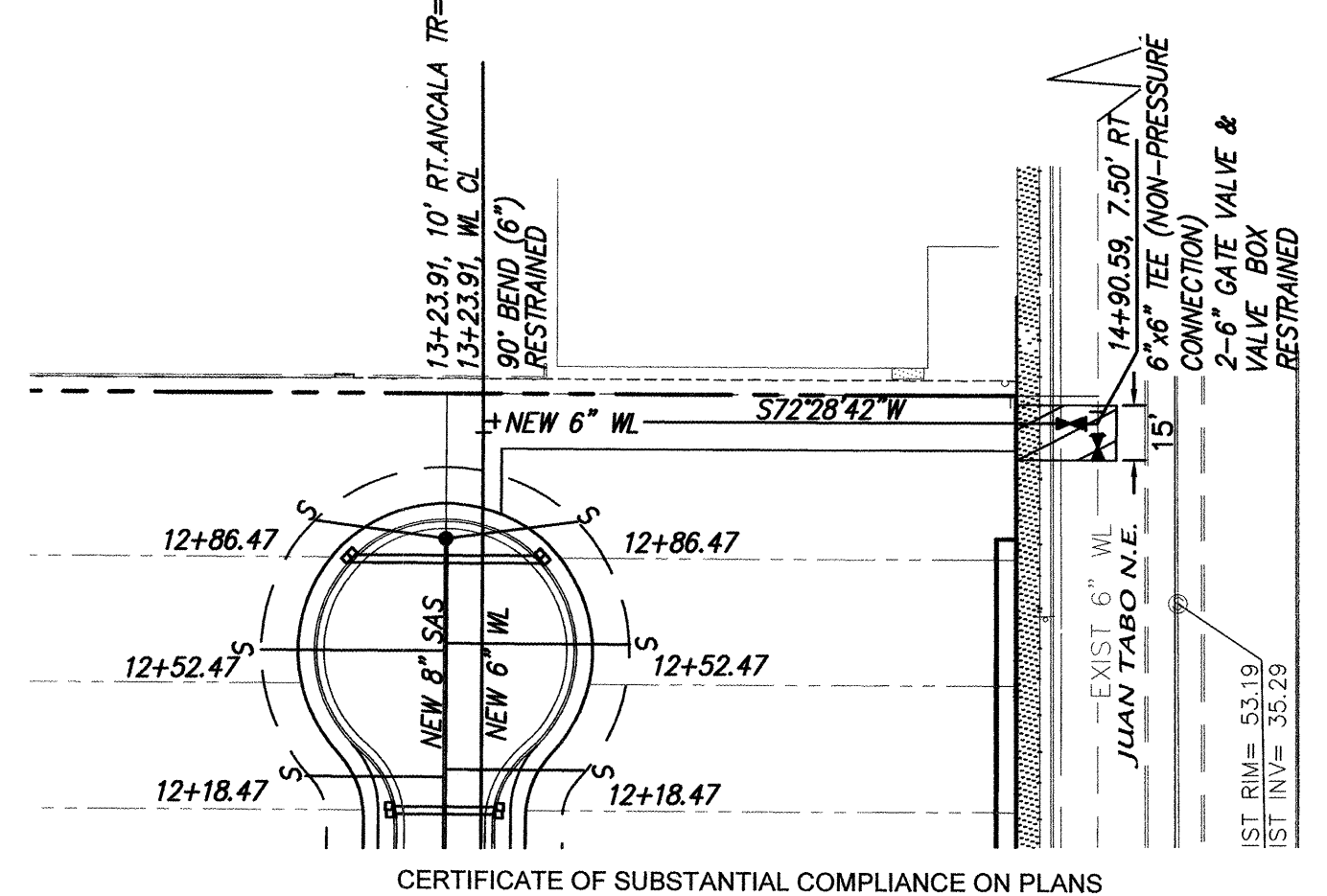
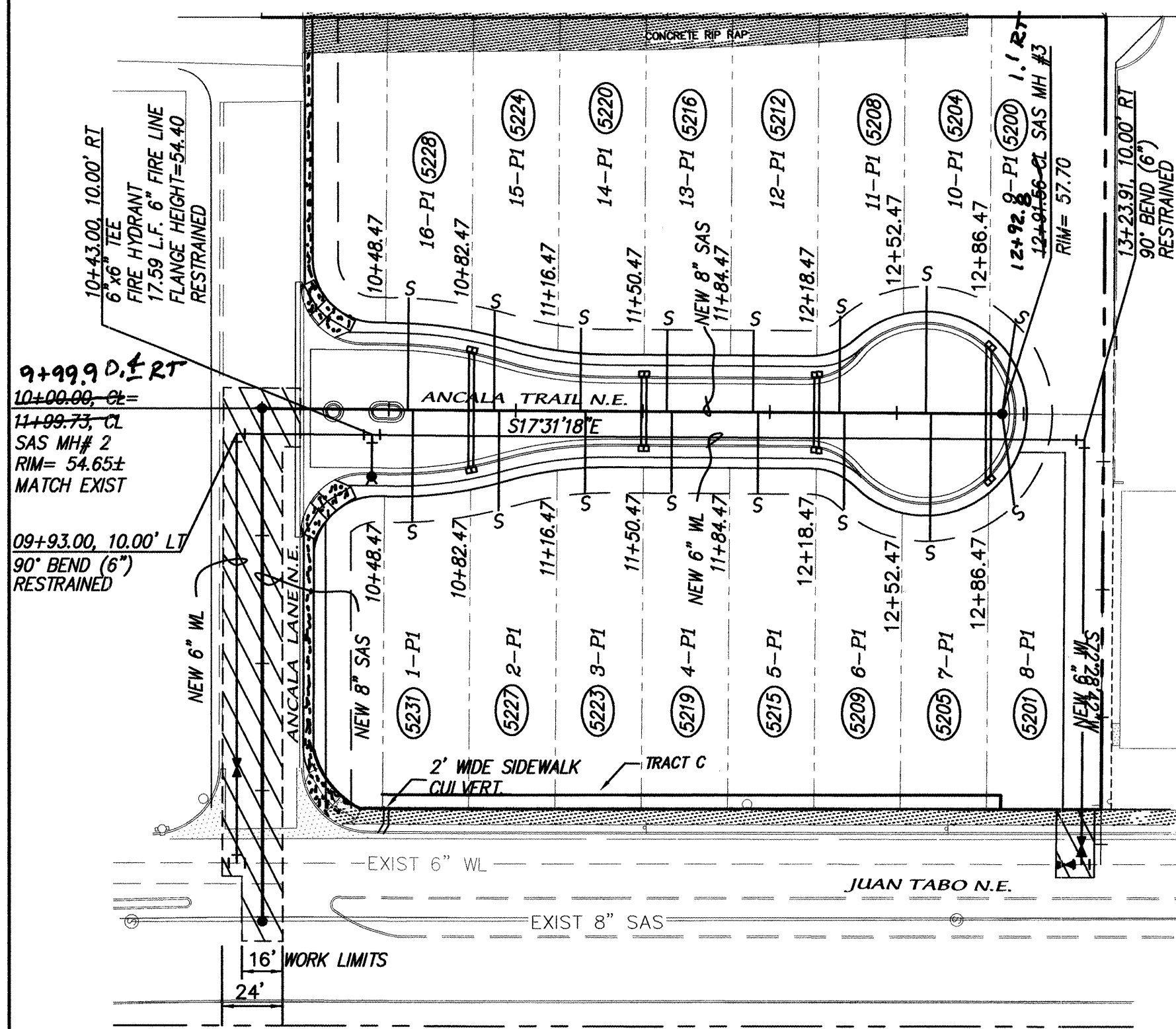
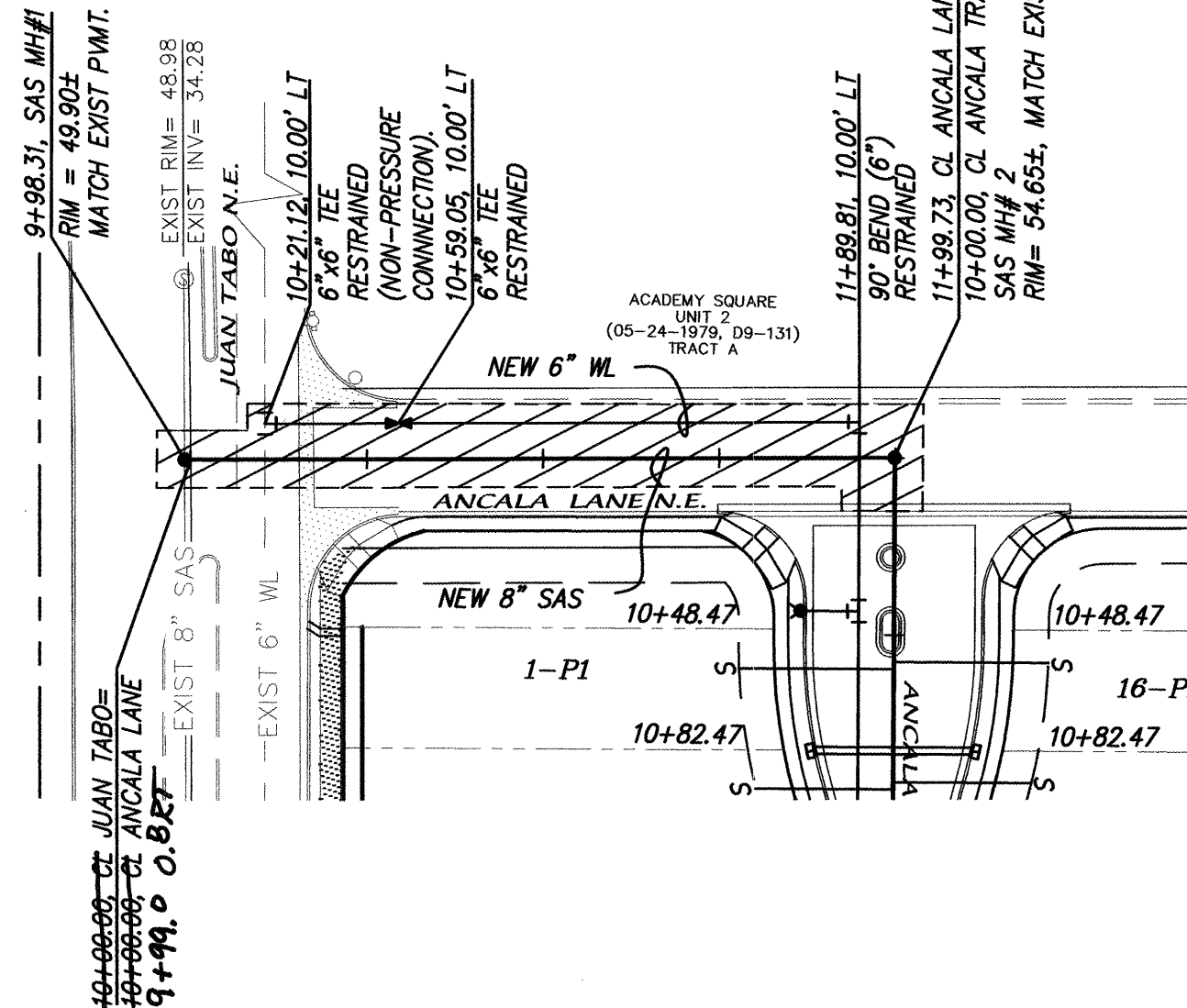
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SCANNED BY: *PLH*

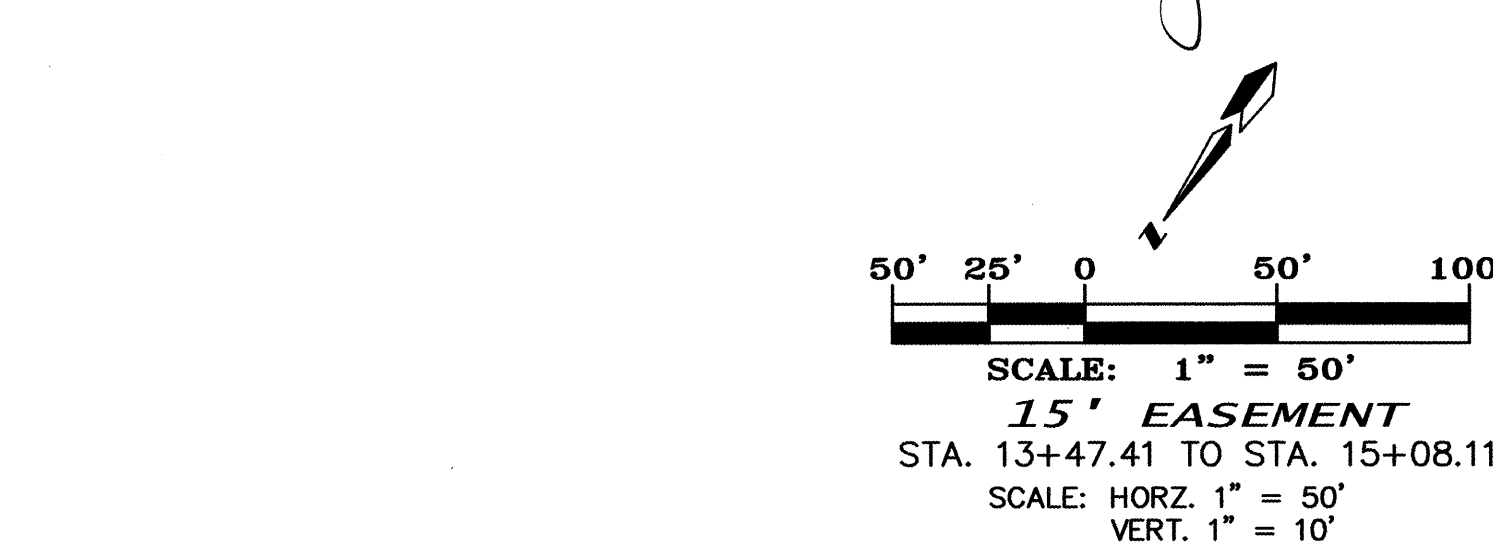


I, Diane Hoelzer, NMPE 11967, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City 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 Hoelzer*  
Diane Hoelzer  
NMPE 11967  
REGISTERED PROFESSIONAL ENGINEER

**Certification**  
THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICALLY AND HORIZONTALLY) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Will Platter Jr.*



WATER SHUT OFF PLAN

1. CONTRACTOR WILL CONTACT WATER SYSTEMS AT 857-8200 7 DAYS PRIOR TO NECESSARY SHUT-OFF.
2. VALVES SHALL ONLY BE OPERATED BY CITY WATER EMPLOYEES.
3. FOR NON-PRESSURE CONNECTION IN JUAN TABO SHUT OFF EXISTING G.V. # 444 (JUST SOUTH OF SPAIN) AND #542 (JUST SOUTH OF PROJECT SITE.)

NOTES:

1. ALL WATER LINE SHALL BE CONSTRUCTED WITH C-900 SERIES PVC UNLESS NOTED OTHERWISE.
2. ALL SAS LINE SHALL BE CONSTRUCTED WITH SDR35 PVC PIPE UNLESS NOTED OTHERWISE.
3. ALL FIRE HYDRANT INSTALLATIONS PER STD DWG 2340
4. ALL GATE VALVES PER COA STD DWG 2326 AND 2328.
5. MANHOLE TYPE "C" PER COA STD DWG 2101.
6. MANHOLE TYPE "E" PER COA STD DWG 2102.
7. WATER SERVICES PER COA STD DWG 2361 AND 2362 AND 2368 (FOR 3/4" & 1" SERVICES) AND STD DWG 2363 AND 2367 (FOR 1-1/2" & 2" SERVICES) (3/4" SVC THIS PROJECT.)
8. SAS SERVICES INTO MAIN LINE PER COA STD DWG 2125.
9. SAS SERVICES INTO MANHOLE PER COA STD DWG 2118.
10. PWT WORK LIMITS 16' WIDE ON JUAN TABO/ANCALA LANE AND 10' WIDE ON JUAN TABO/EASMENT OF 8-P1.
8. VALLEY GUTTER WORK PER 2420.
9. PWT WORK PER 2465 ARTERIAL (JUAN TABO) RESIDENTIAL (ANCALA).
10. SIDEWALK WORK PER 2430.
11. C&G WORK PER 2415A

SANITARY SEWER SERVICES

BLOCK	TRACT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
1	1	10+57.47	48.46	43.88
1	2	10+91.47	49.01	39.10
1	3	11+25.47	49.56	32.35
1	4	11+59.47	50.11	32.00
1	5	11+93.47	50.65	32.00
1	6	12+27.47	51.20	37.69
1	7	12+61.47	51.75	49.99
1	8	12+95.47	52.24	35.90
1	9	12+91.56	52.76	35.90
1	10	12+61.47	52.27	49.99
1	11	12+27.47	51.72	37.69
1	12	11+93.47	51.17	32.00
1	13	11+59.47	50.63	32.00
1	14	11+25.47	50.13	32.35
1	15	10+91.47	49.74	39.10
1	16	10+57.47	49.35	43.88

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

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	-	-	-	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"	7'	5'
6"x6"x6"	10'	2'



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: ANCALA VILLAGE  
UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVE JUL 22 2005 DESIGN REVIEW COMMITTEE	APPROVE SEP - 7 2005 CITY ENGINEER		

CITY PROJECT NO. 763481 ZONE MAP NO. F-21 SHEET 5 OF 5