

SCANNED BY
MESA REPRO

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
B. W. Lee, BRYAN W. LEE P.E.
DATE: 2/1/2006

I, Gregory J. Krenik, NMPE # 11929, 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 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 from Mark Goodwin & Associates, PA, NMPS number 7719.

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.

SITE

San Diego Ave
Florence Ave
Barstow St
San Diego Ave
Glendale Ave
Modesto Ave
Birchmont Ave
Earle Rock Ave
Mohr Rippel Pl
La Cueva Channel
William D. Womersley Ave
Alameda Blvd
Modesto Ave

VICINITY MAP

ZONE ATLAS: B-19

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 MINIMAL AMOUNT OF DELAY.
5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE.
6. 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 RECONSTRUCTED 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 NOTICE. NO 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 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, JOINT JOISTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.
13. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUPPORT P.

☒ 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.

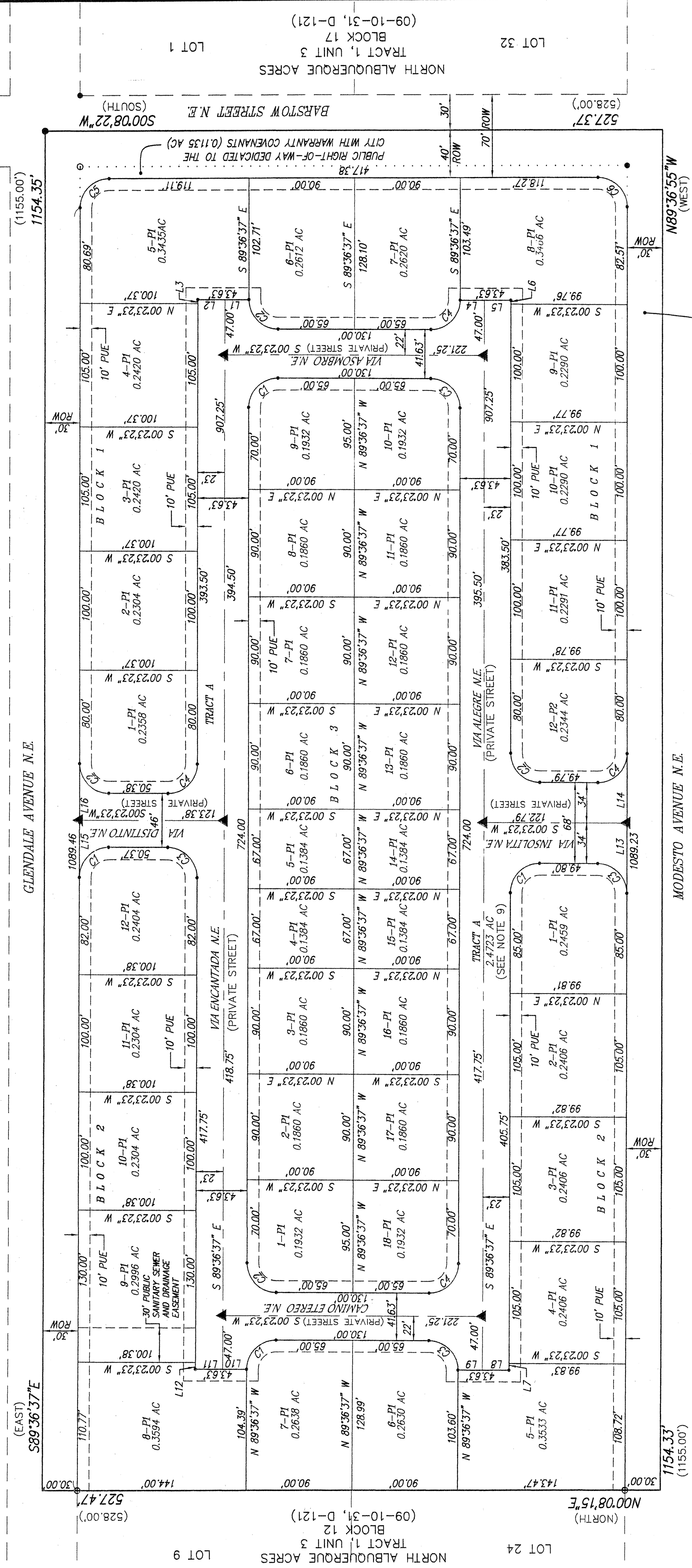
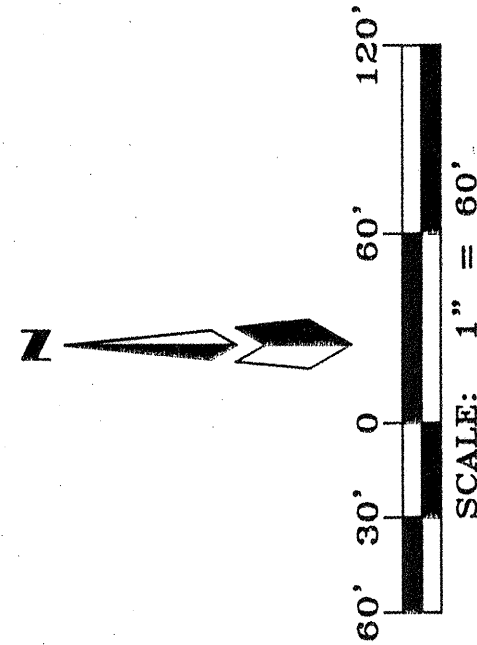
☐ IF CURB IS DERESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

PLAT FOR
QUIVERA ESTATES SUBDIVISION
WITHIN THE
ELENA GALLEGOS GRANT
PROJECTED SECTION 7
TOWNSHIP 11 NORTH, RANGE 4 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
JANUARY, 2004

LINE TABLE			BEARING	
LINE ID	LENGTH			
L1	20.63		N00°23'23"E	
L2	23.00		N00°23'23"E	
L3	3.50		S90°00'00"W	
L4	20.63		S00°00'00"W	
L5	23.00		S00°44'21"W	
L6	3.50		S89°36'37"W	
L7	5.75		S89°36'37"W	
L8	23.00		N00°23'23"E	
L9	20.63		N00°23'23"E	
L10	20.63		N00°23'23"E	
L11	23.00		N00°00'00"E	
L12	5.91		S89°37'14"E	
L13	59.00		S89°36'55"E	
L14	59.00		S89°36'55"E	
L15	48.00		S89°36'37"E	
L16	48.00		S89°36'37"E	

CURVE TABLE					TANGENT CH-BEARING-CH-DIST=	
CURVE	LENGTH	RADIUS	DELTA			
C1	39.27	25.00	90°00'00"		N44°36'37"W	35.36
C2	39.27	25.00	90°00'00"		S45°23'23"W	35.36
C3	39.27	25.00	90°00'00"		S44°36'37"E	35.36
C4	39.27	25.00	90°00'00"		S44°36'37"E	35.36
C5	39.16	25.00	89°44'59"		N44°44'08"W	35.28
C6	39.38	25.00	90°14'43"		N45°15'43"E	35.43

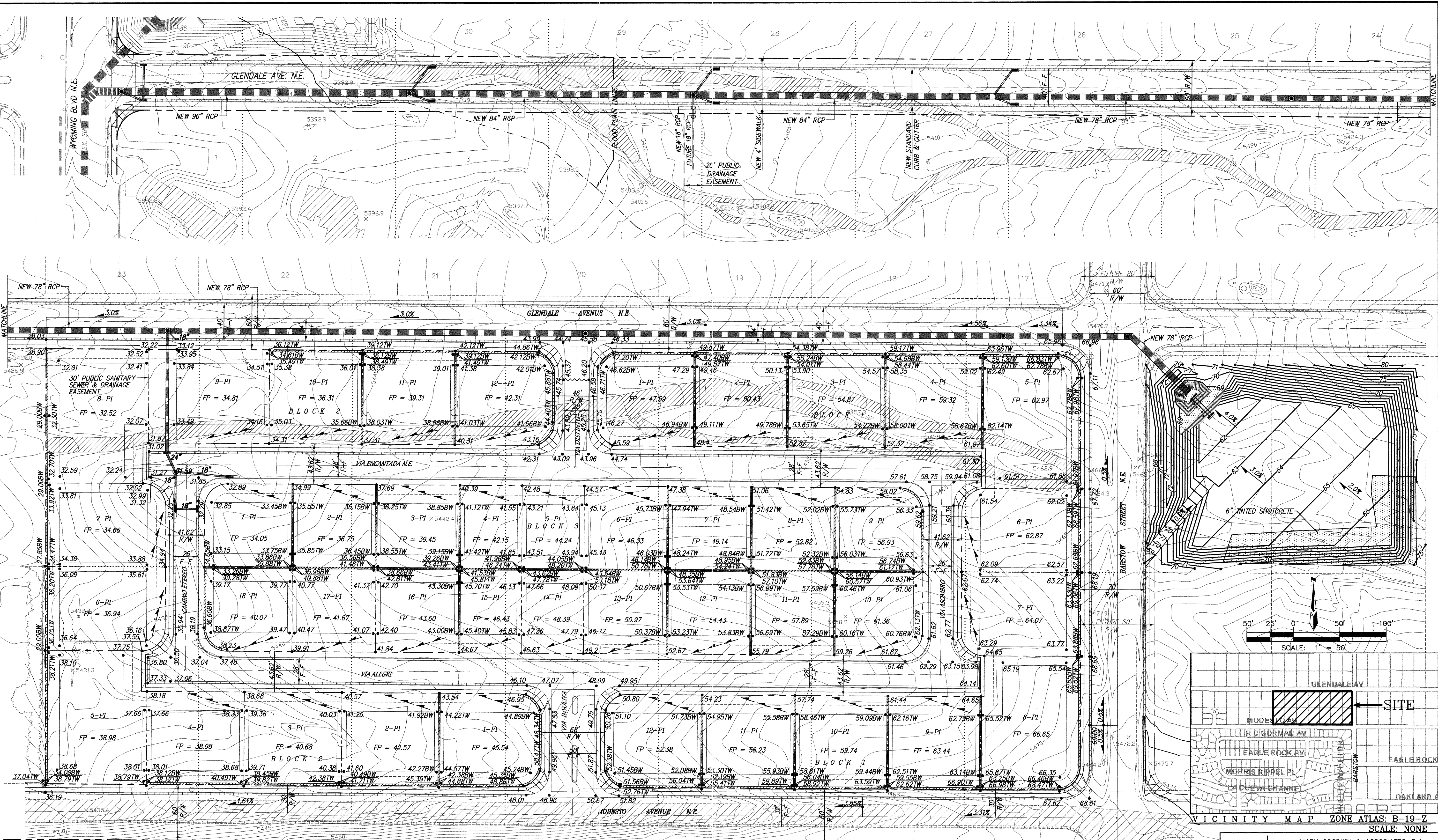


UNLESS OTHERWISE NOTED
(SEE NOTE 9) ALL
STREETS SHOWN HEREON
ARE HEREBY DEDICATED
AS PUBLIC RIGHT-OF-WAY

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

NOTE
CENTERLINE (IN LIEU OF 6" W) MONUMENTATION IS TO BE INSTALLED
PERMITS POSITIVE MONUMENTS AND STREET
INTERSECTIONS IS SHOWN HEREON AND WILL CONSIST OF A FOUR
INCH (4") ALUMINUM ALLOY CAP STAMPED "CITY OF ALBUQUERQUE",
"CENTERLINE MONUMENT", "DO NOT DISTURB", "P.S. # 7719".

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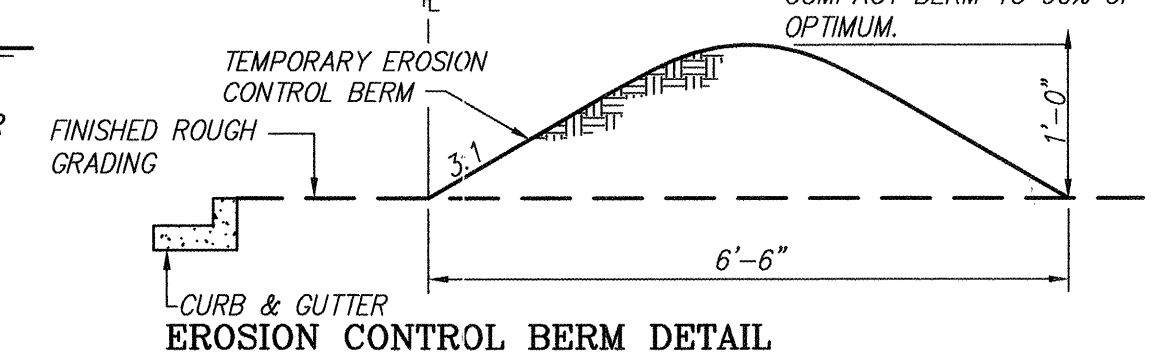


NOTES

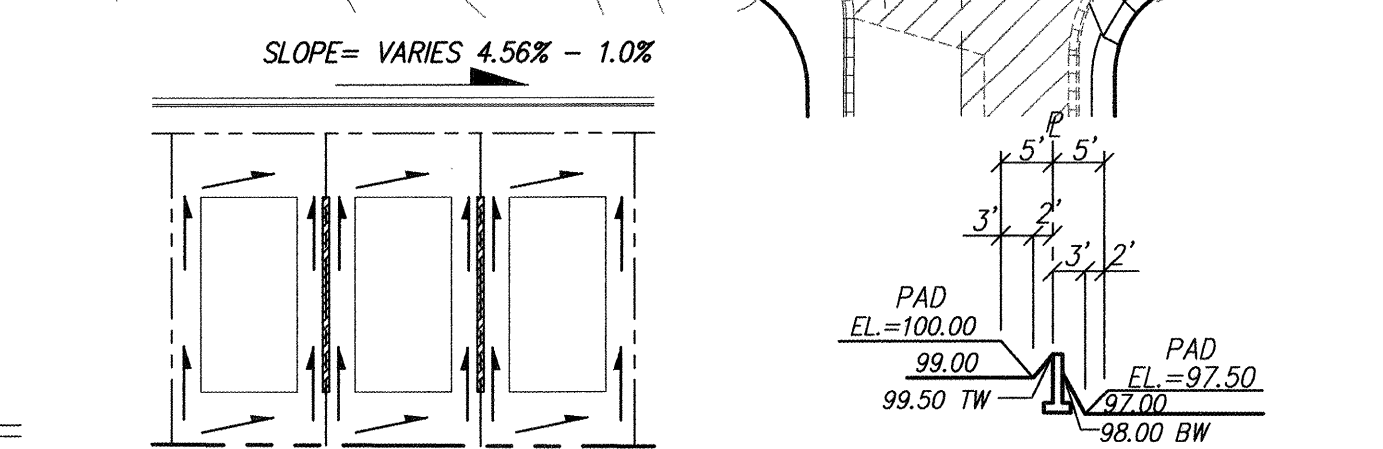
- CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
- CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION SHALL GOVERN ALL WORK.
- THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
- THE EARTHWORK CONTRACTOR SHALL STOCKPILE ENOUGH MATERIAL ADJACENT TO RETAINING WALL LOCATIONS TO BE UTILIZED FOR WALL BACKFILL.
- A PERIMETER CMU WALL WILL BE CONSTRUCTED AROUND THE PROJECT SITE. INTERIOR PROPERTY BOUNDARIES WILL BE SEPARATED BY WALLS (SIDEYARDS AND BACK YARDS).

LEGEND

- | | | |
|----------|---------------------------------|-------------------------------|
| — 5615 — | EXISTING CONTOUR (MAJOR) | — NEW MOUNTABLE CURB & GUTTER |
| — 5616 — | EXISTING CONTOUR (MINOR) | — NEW STANDARD CURB & GUTTER |
| — 5617 — | EXISTING SPOT ELEVATION | — NEW SIDEWALK |
| — 5618 — | EXISTING CHAIN LINK/WIRE FENCE | — NEW RIGHT-OF-WAY |
| — 5619 — | EXISTING OVERHEAD ELECTRIC LINE | — NEW CENTERLINE |
| — 5620 — | EXISTING POWER POLE | — NEW LOT LINES |
| — 5621 — | EXISTING GUY WIRE | — NEW EASEMENTS |
| — 5622 — | EXISTING TELEPHONE MANHOLE | — NEW RETAINING WALL |
| — 5623 — | EXISTING TELEPHONE PEDESTAL | — NEW SPOT ELEVATIONS |
| — 5624 — | | — NEW FLOW |
| — 5625 — | | — NEW STORM DRAIN |
| — 5626 — | | — NEW STORM DRAIN MANHOLE |



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



- TYPICAL LOT LAYOUT: PLAN VIEW
- NOTES:
- ALL LOT RUNOFF DRAINS TO THE STREET IN FRONT OF THE LOT.

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: **QUIVERA ESTATES
GRADING & DRAINAGE PLAN**

DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL
LAST DESIGN UPDATE
CITY PROJECT NO. **729781** ZONE MAP NO. **B-19** SHEET **4** OF **20**

CONTRACTOR INFORMATION				AS BUILT INFORMATION			
CONTRACTOR	DATE	WORK	DATE	CONTRACTOR	DATE	WORK	DATE
HYDRO SYSTEMS	DATE	INSPECTOR'S	DATE	HYDRO SYSTEMS	DATE	INSPECTOR'S	DATE
FIELD ENGINEER	DATE	FIELD ENGINEER	DATE	FIELD ENGINEER	DATE	FIELD ENGINEER	DATE
VERIFICATION BY	DATE	VERIFICATION BY	DATE	VERIFICATION BY	DATE	VERIFICATION BY	DATE
CORRECTED BY	DATE	CORRECTED BY	DATE	CORRECTED BY	DATE	CORRECTED BY	DATE
MICRO-FILM INFORMATION				MICRO-FILM INFORMATION			
RECORDED BY	DATE	RECORDED BY	DATE	RECORDED BY	DATE	RECORDED BY	DATE
NO.		NO.		NO.		NO.	

AS BUILT INFORMATION

ACS Brass Cap stamped "1-B20"

Located in the northeast quadrant of the intersection of Modesto Ave. N.E. and Barstow St. N.E.; approximately 30' north from the centerline of Modesto Ave. N.E. and approximately 30' east from the centerline of Barstow St. N.E.;

Geographic Position (NAD 1983): in feet

N.M. State Plane Coordinates (Central Zone)

X=410,237.56 Y=1,524,082.46

Elevation=5474.533, NGVD29, in feet

ENGINEER'S SEAL

DATE: 08/03

BY: GJK

REMARKS: DESIGN

NO. DATE

REVISIONS

DATE: 08/03

BY: ACH

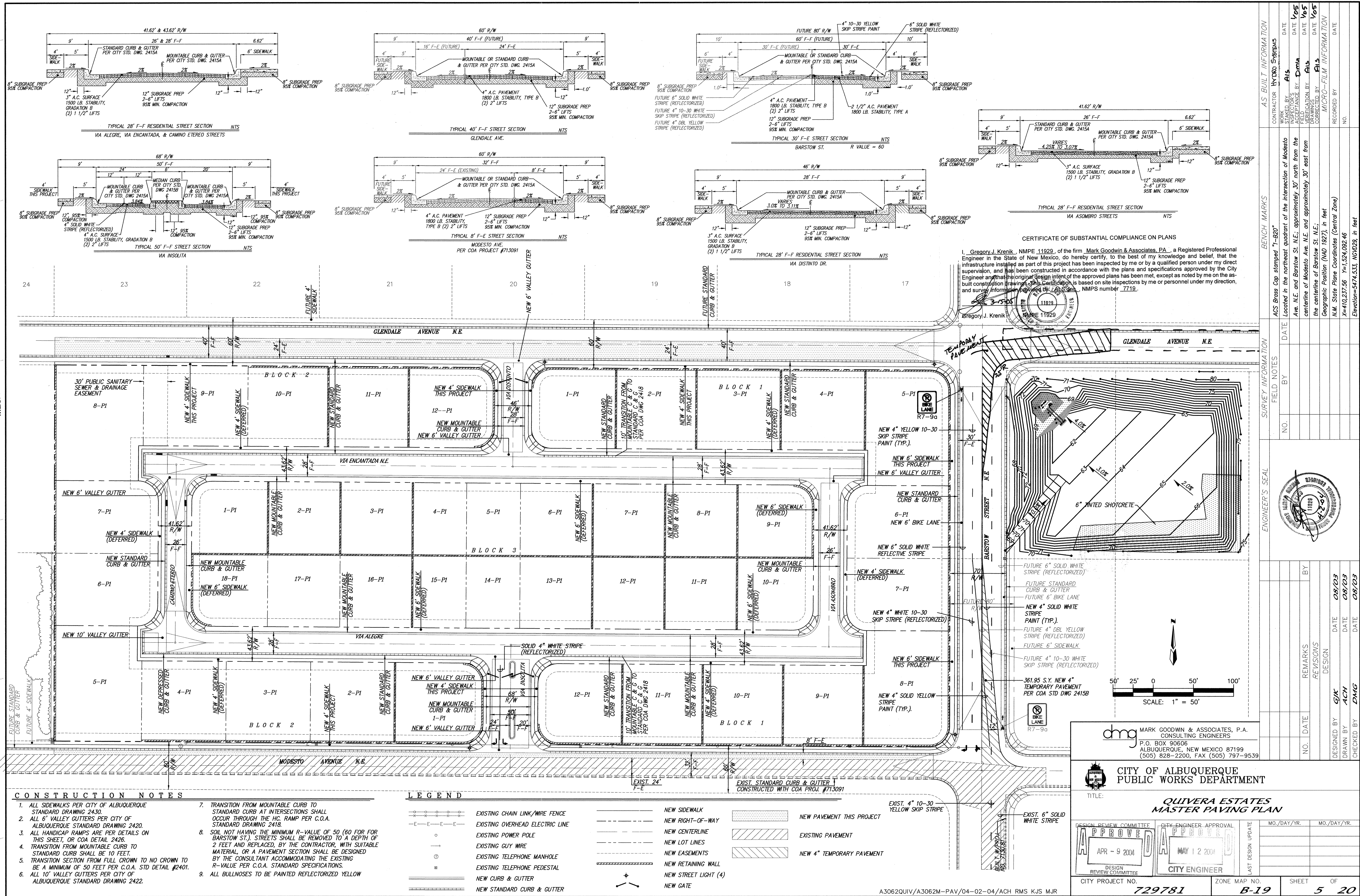
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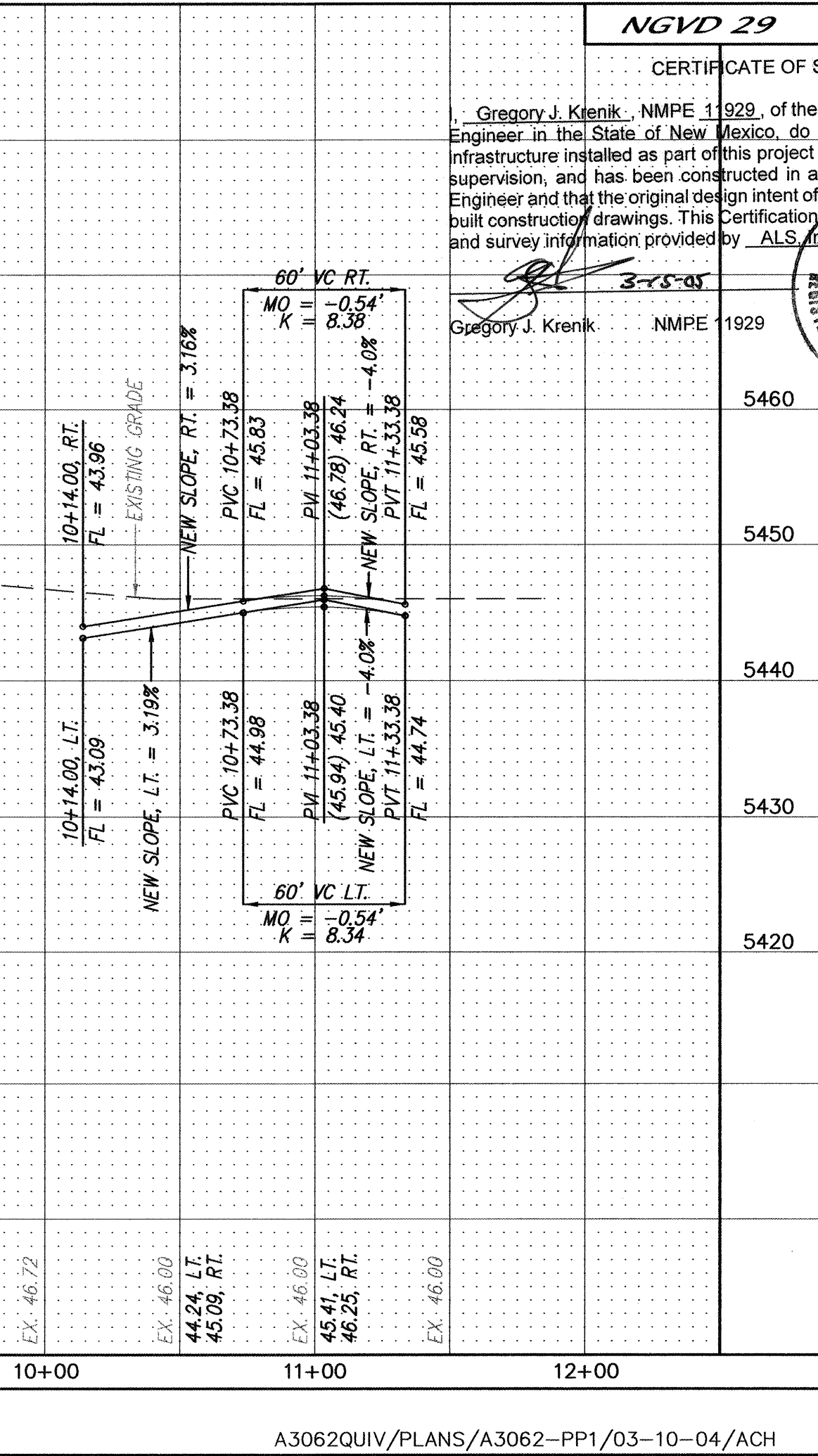
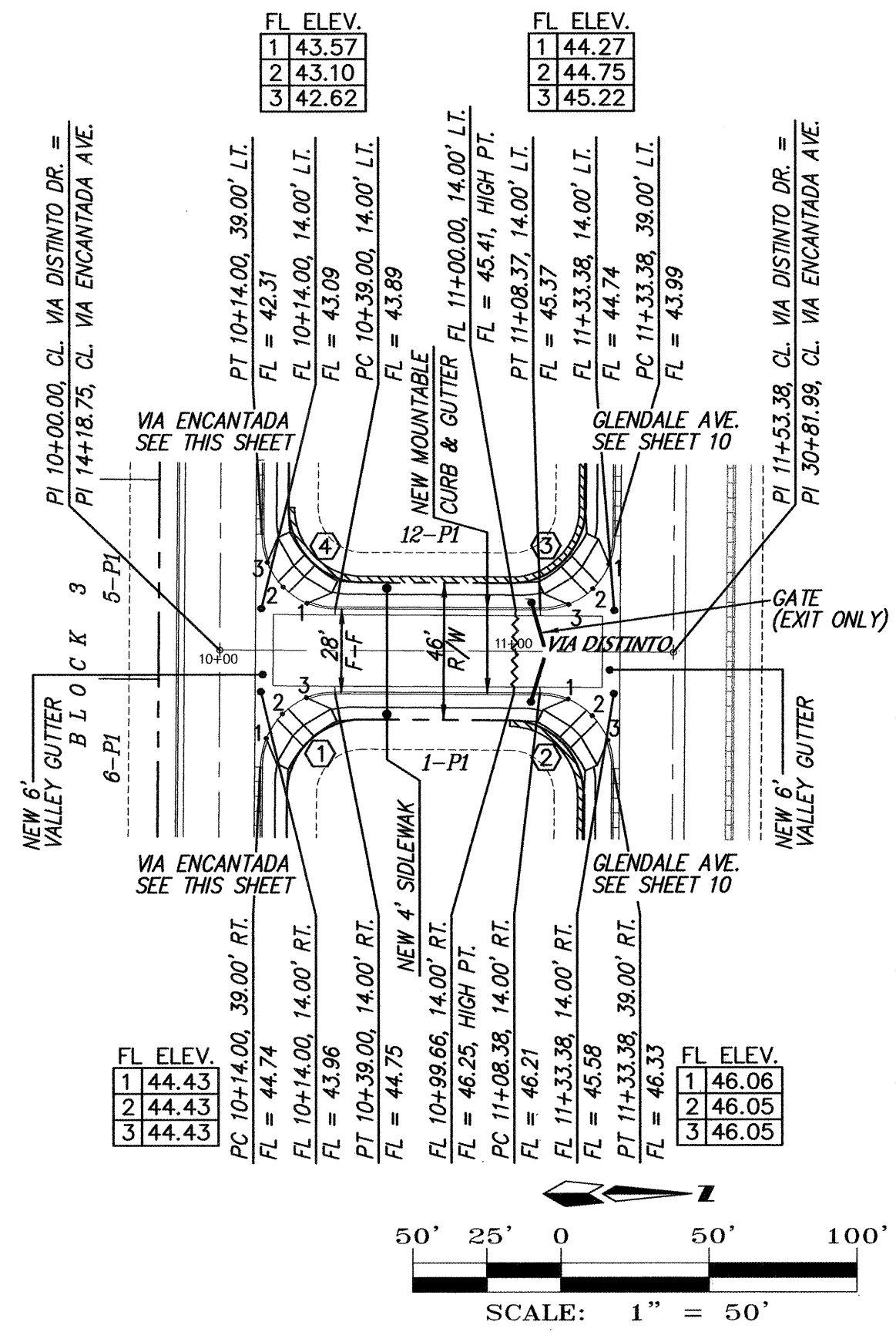
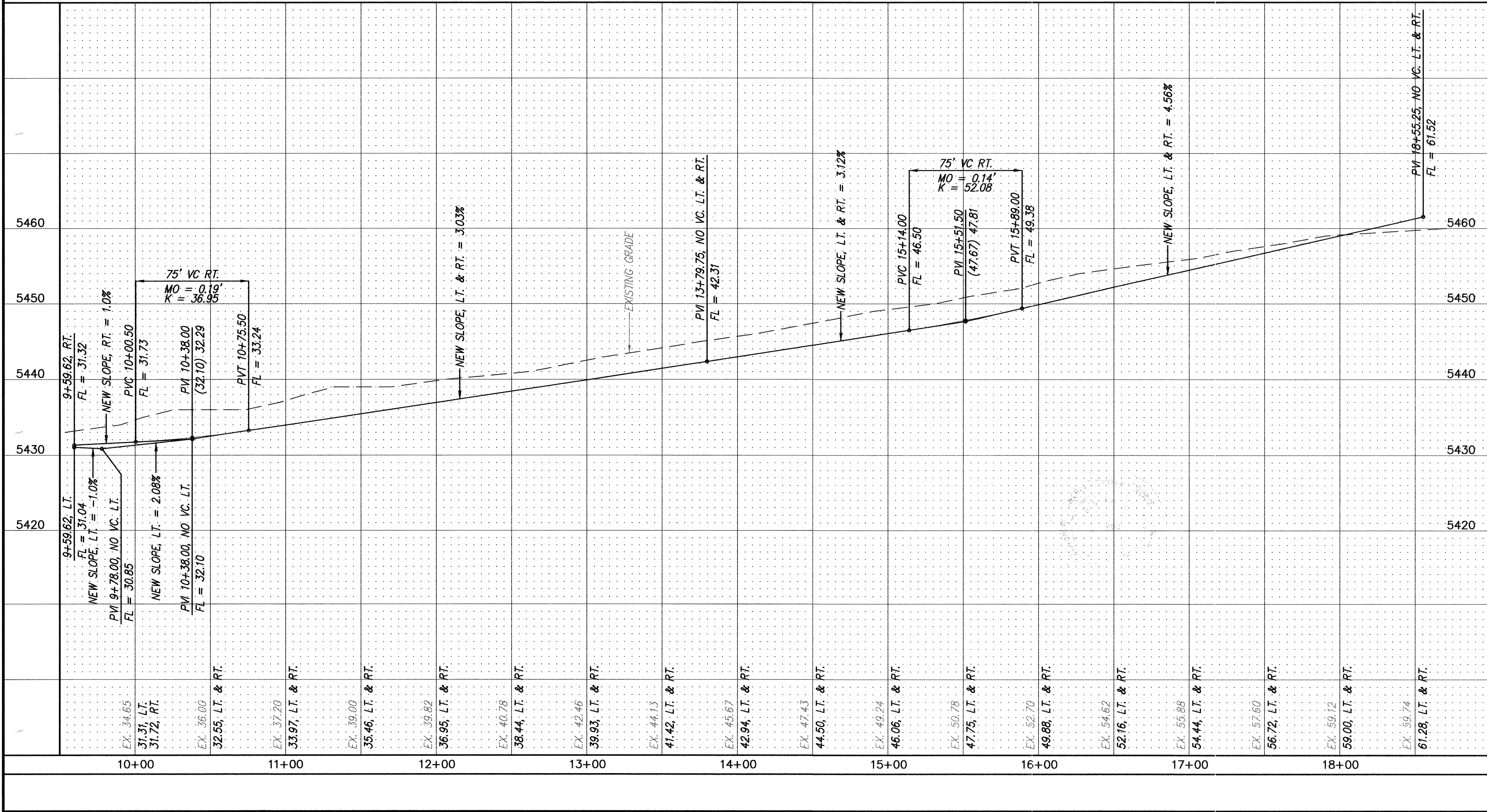
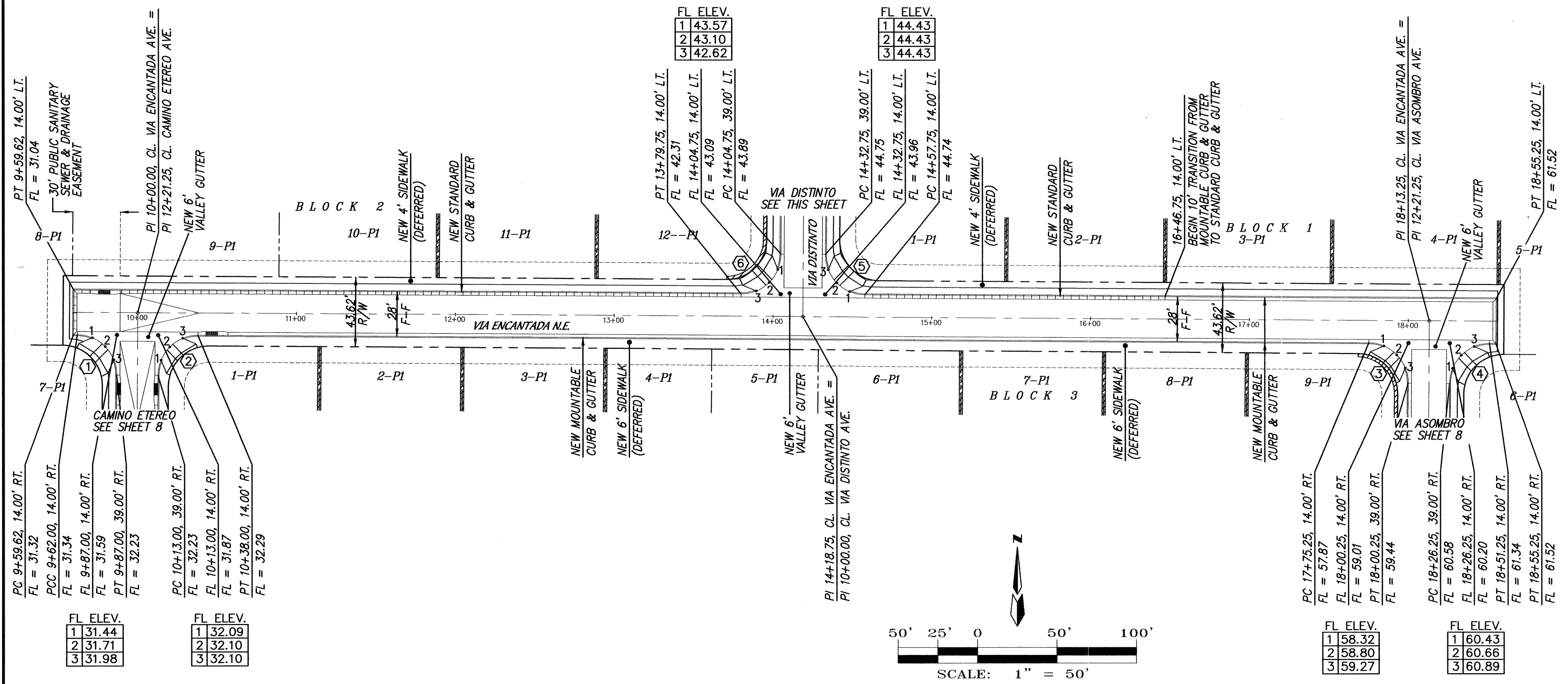
BY: DMG

DATE: 08/03

F:\A03\005\A3062QUIV\A3062M-PAV.dwg Mon Apr 05 13:43:15 2004 D. MARK GOODWIN & ASSOCIATES; PLOTTED BY: MIKE

SCANNED BY
MESA REPRO





NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

VIA ENCANTADA
CURVE DATA - DESCRIBES FACE OF CURB

① Δ = 90°00'00"	② Δ = 90°00'00"	③ Δ = 90°00'00"
R = 25.00'	R = 25.00'	R = 25.00'
L = 39.27'	L = 39.27'	L = 39.27'
T = 25.00'	T = 25.00'	T = 25.00'

VIA DISTINTO
CURVE DATA - DESCRIBES FACE OF CURB

④ Δ = 90°00'00"	⑤ Δ = 90°00'00"	⑥ Δ = 90°00'00"
R = 25.00'	R = 25.00'	R = 25.00'
L = 39.27'	L = 39.27'	L = 39.27'
T = 25.00'	T = 25.00'	T = 25.00'

AS BUILT INFORMATION

CONTRACTOR: **HYDRO SYSTEMS**

DATE: **01/04**

INSPECTOR: **ALB**

DATE: **01/04**

VERIFICATION BY: **ALB**

DATE: **01/04**

DESIGNED BY: **ALB**

DATE: **01/04**

RECORDED BY: **ALB**

DATE: **01/04**

ENGINEER'S SEAL

NO. _____

DATE _____

BY _____

REMARKS _____

DESIGN _____

DESIGNED BY: **G/K**

DATE: **01/04**

DRAWN BY: **ACH**

DATE: **01/04**

CHECKED BY: **DMG**

DATE: **01/04**

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

TITLE: **QUIVERA ESTATES
VIA ENCANTADA N.E. & VIA DISTINTO N.E.
PAVING IMPROVEMENTS**

DESIGN REVIEW COMMITTEE: **APPROVED**
APR - 9 2004

CITY ENGINEER APPROVAL: **APPROVED**
MAY 12 2004

CITY PROJECT NO.: **729781**

ZONE MAP NO.: **B-19**

SHEET: **6** OF **20**

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS

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

Gregory J. Krenk
NMPE 1929

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenk, NMPE 1929, 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 the inspections by me or personnel under my direction, and survey information provided by ALS, Inc. on 01/04/2004.

ENGINEER'S SEAL

NO. _____

DATE _____

BY _____

REMARKS _____

DESIGN _____

DESIGNED BY: **G/K**

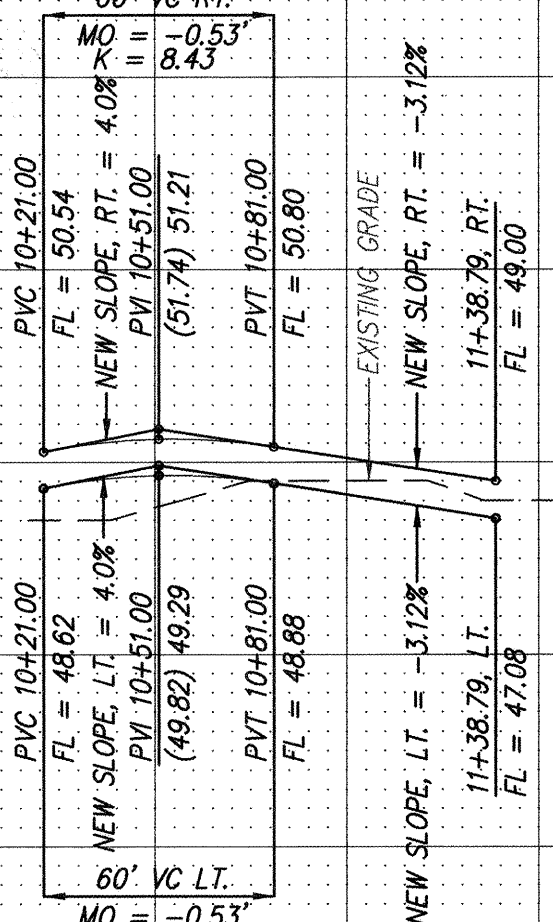
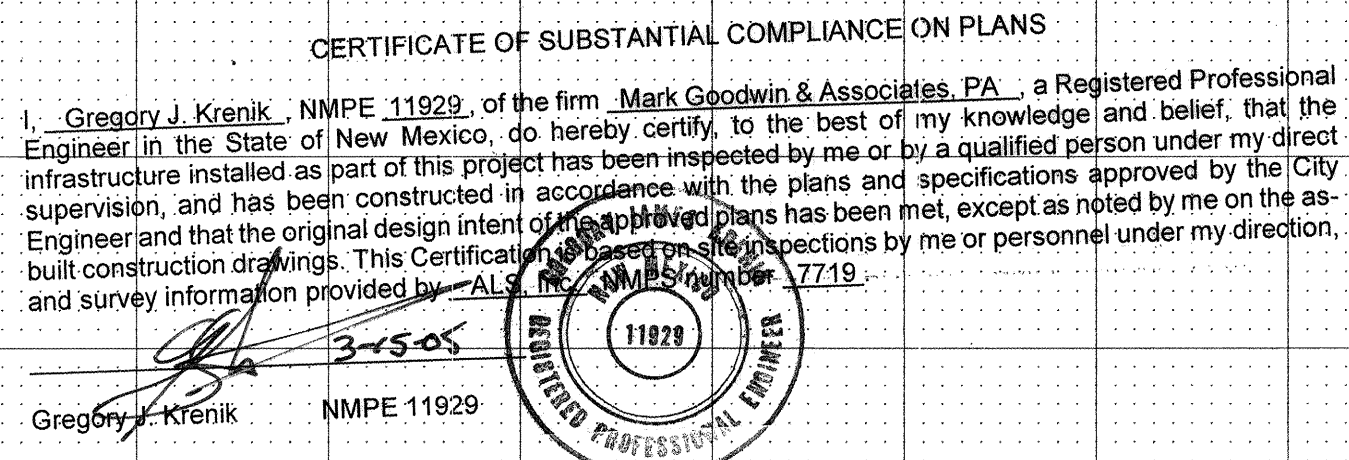
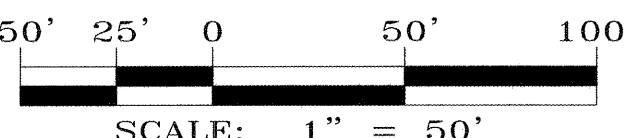
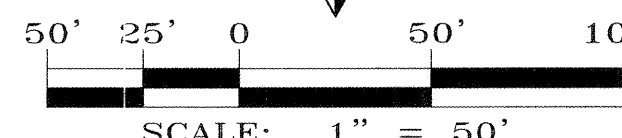
DATE: **01/04**

DRAWN BY: **ACH**

DATE: **01/04**

CHECKED BY: **DMG**

DATE: **01/04**

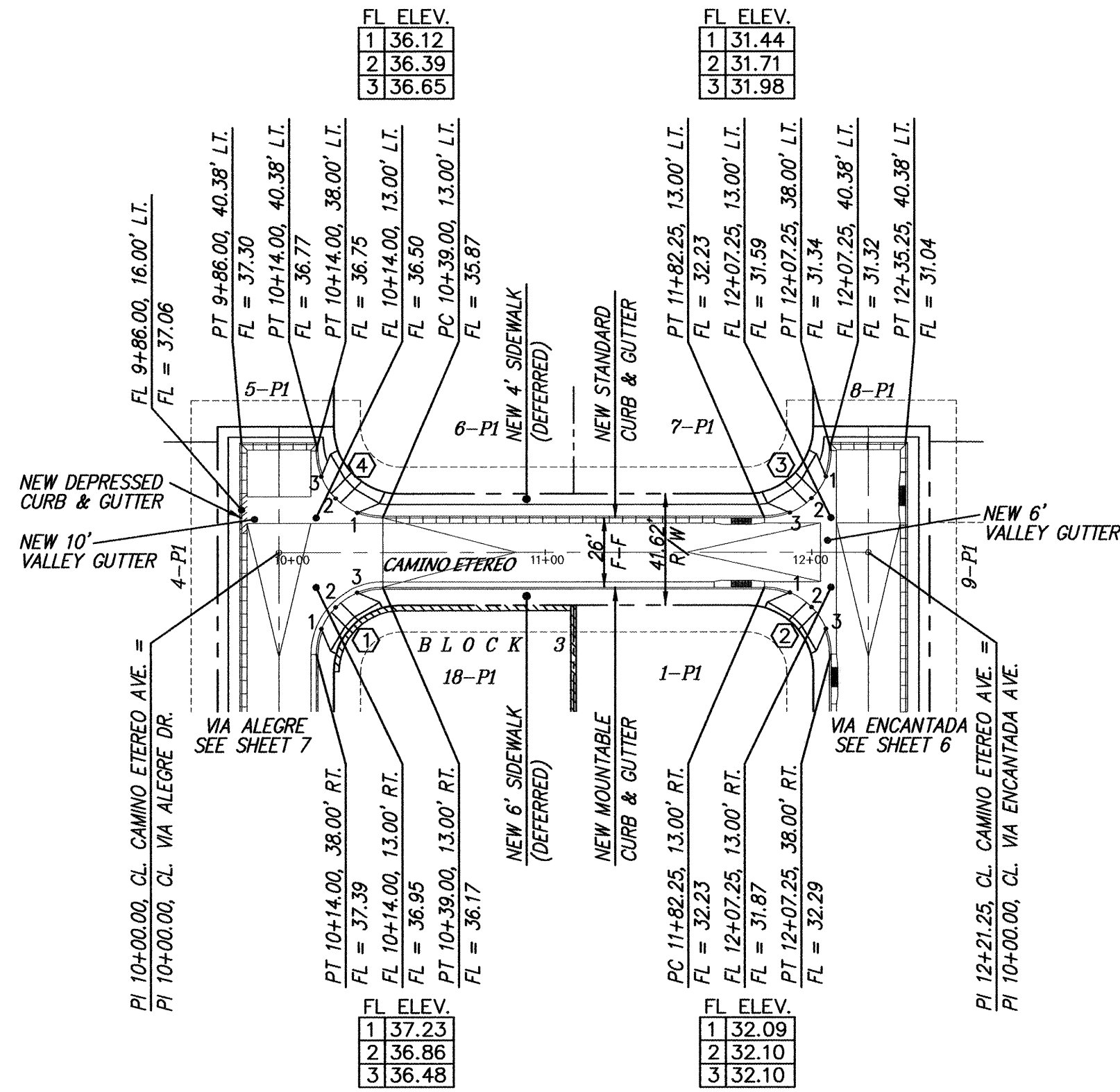


VA INSOLITA CURVE DATA — DESCRIBES FACE OF CURB		
① $\Delta = 89^{\circ}59'42''$ $R = 25.00'$ $L = 39.27'$ $T = 25.00'$	② $\Delta = 90^{\circ}00'00''$ $R = 25.00'$ $L = 39.27'$ $T = 25.00'$	③ $\Delta = 90^{\circ}00'00''$ $R = 25.00'$ $L = 39.27'$ $T = 25.00'$
④ $\Delta = 90^{\circ}00'18''$ $R = 25.00'$ $L = 39.27'$ $T = 25.00'$	⑤ $\Delta = 180^{\circ}00'00''$ $R = 3.00'$ $L = 9.42'$ $T = 180.00'$	⑥ $\Delta = 180^{\circ}00'00''$ $R = 3.00'$ $L = 9.42'$ $T = 180.00'$
⑦ $\Delta = 180^{\circ}00'00''$ $R = 3.00'$ $L = 9.42'$ $T = 180.00'$	⑧ $\Delta = 180^{\circ}00'00''$ $R = 3.00'$ $L = 9.42'$ $T = 180.00'$	

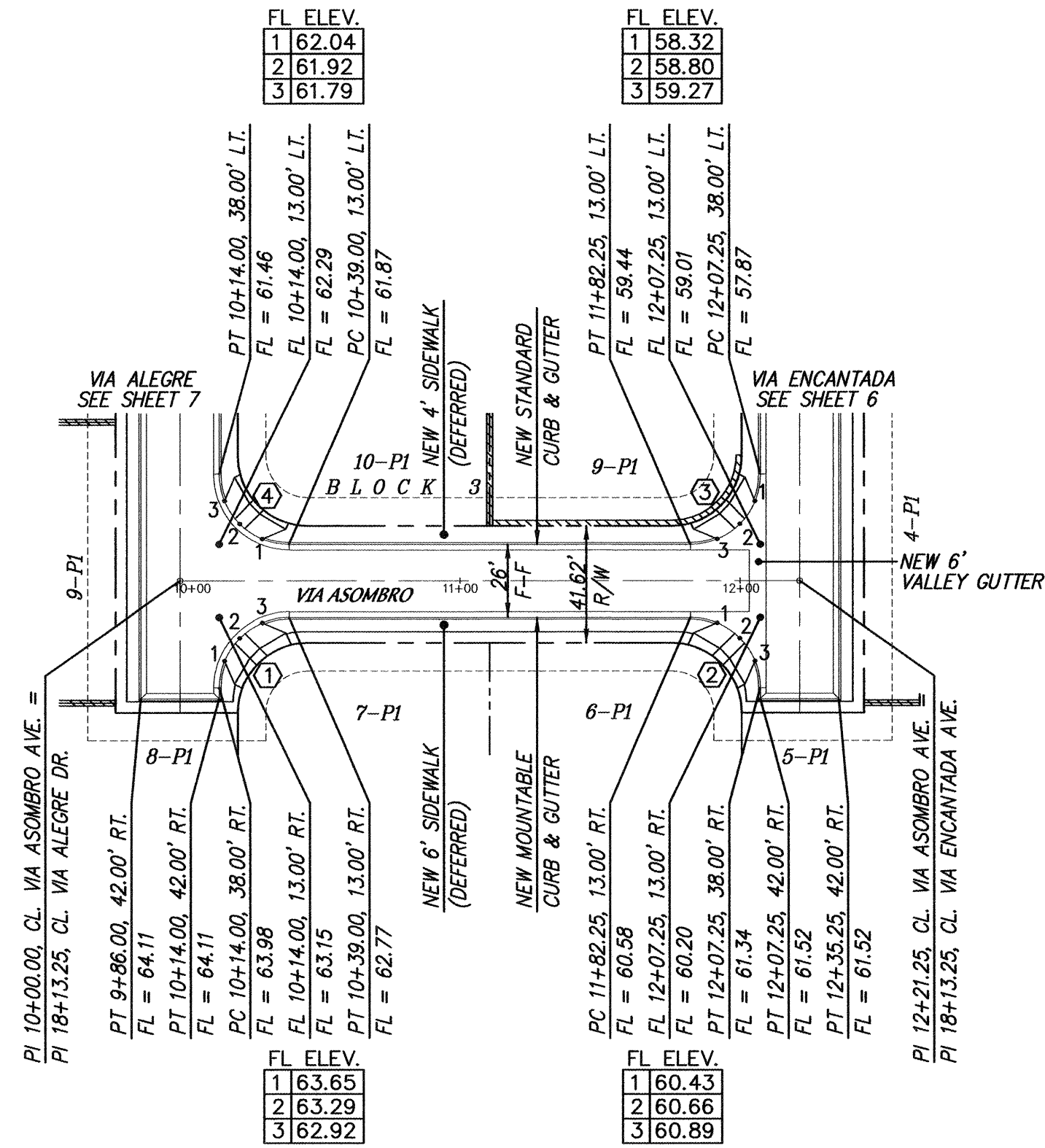


CITY PROJECT NO.	729781	ZONE MAP NO.	B-
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CAMINO ETEREO
STA. 10+00.00 TO STA. 12+21.25
SCALE: HORZ. 1" = 50'



VIA ASOMBRO
STA. 10+00.00 TO STA. 12+21.25
SCALE: HORZ. 1" = 50'

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

CAMINO ETEREO
CURVE DATA - DESCRIBES FACE OF CURB

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 $R = 25.00'$
 $L = 39.27'$
 $T = 25.00'$
- ② $\Delta = 90^\circ 00' 00''$
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 $T = 25.00'$

VIA ASOMBRO
CURVE DATA - DESCRIBES FACE OF CURB

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CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, 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 and construction 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 the contractor's number 7719.

Gregory J. Krenik
NMPE 11929
REGISTERED PROFESSIONAL ENGINEER

NGVD 29

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: **QUIVERA ESTATES**
CAMINO ETEREO N.E. & VIA ASOMBRO N.E.
PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE
APR - 9 2004
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
MAY 12 2004
CITY ENGINEER

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

CITY PROJECT NO.

ZONE MAP NO.

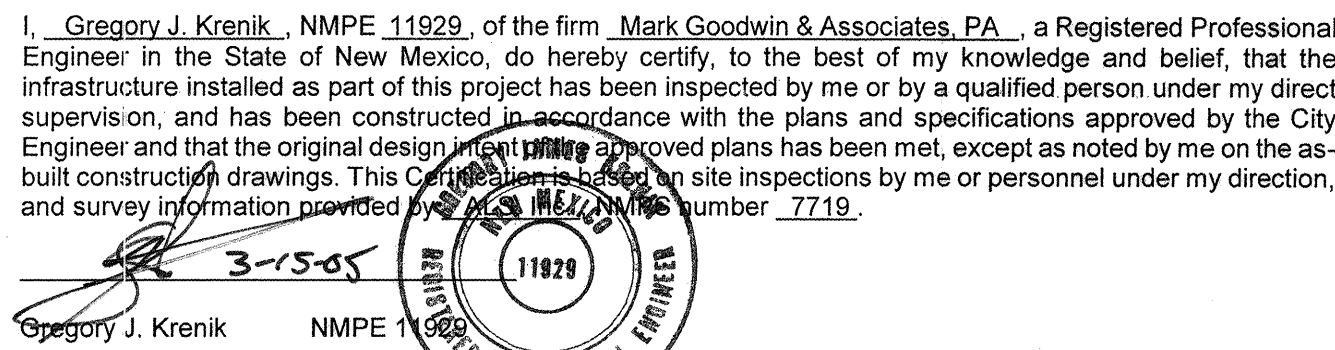
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729781

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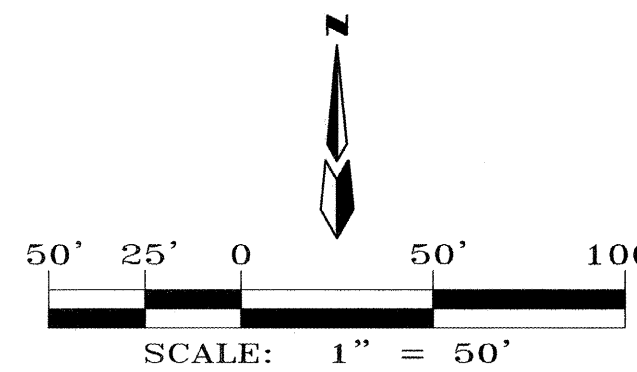
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Gregory J. Krenik NMPE 11929

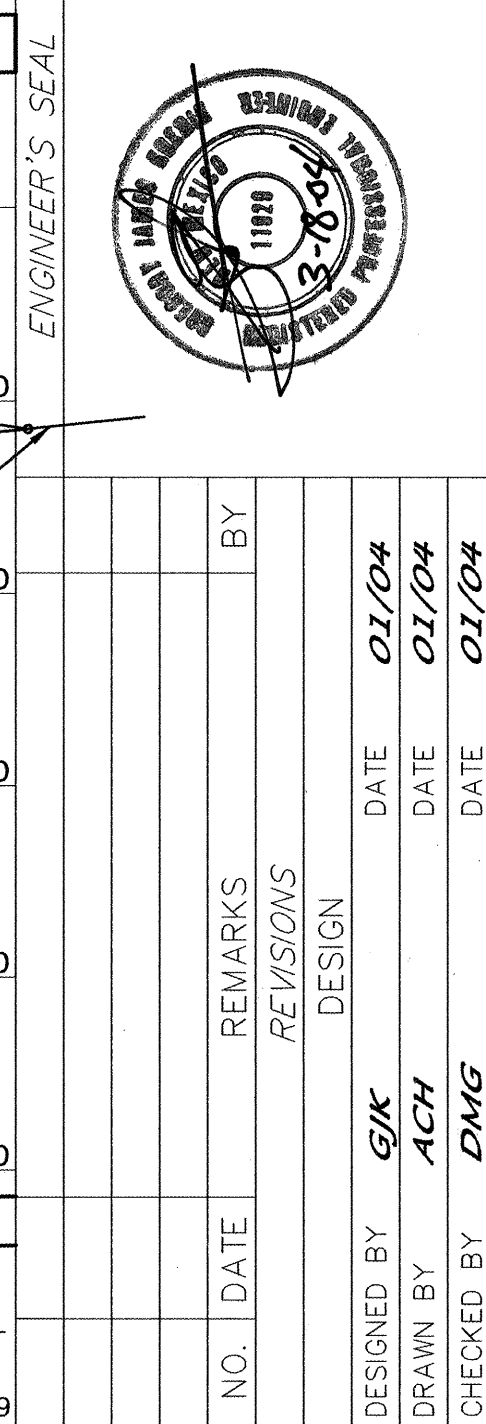
1. ALL STATIONING IS CENTERLINE STATIONING.

VIA ENCANTADA
CURVE DATA - DESCRIBES FACE OF CURB

- | | | |
|--|--|--|
| ① $\Delta = 90^{\circ}00'00''$
$R = 25.00'$
$L = 39.27'$
$T = 25.00'$ | ② $\Delta = 90^{\circ}00'00''$
$R = 25.00'$
$L = 39.27'$
$T = 25.00'$ | ③ $\Delta = 89^{\circ}44'59''$
$R = 30.00'$
$L = 46.99'$
$T = 29.71'$ |
| ④ $\Delta = 90^{\circ}15'01''$
$R = 30.00'$
$L = 47.25'$
$T = 30.08'$ | ⑤ $\Delta = 89^{\circ}44'59''$
$R = 30.00'$
$L = 46.99'$
$T = 29.71'$ | ⑥ $\Delta = 90^{\circ}15'01''$
$R = 30.00'$
$L = 47.25'$
$T = 30.08'$ |



GLENDALE AVE.
STA. 10+00.00 TO STA. 21+00.00
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

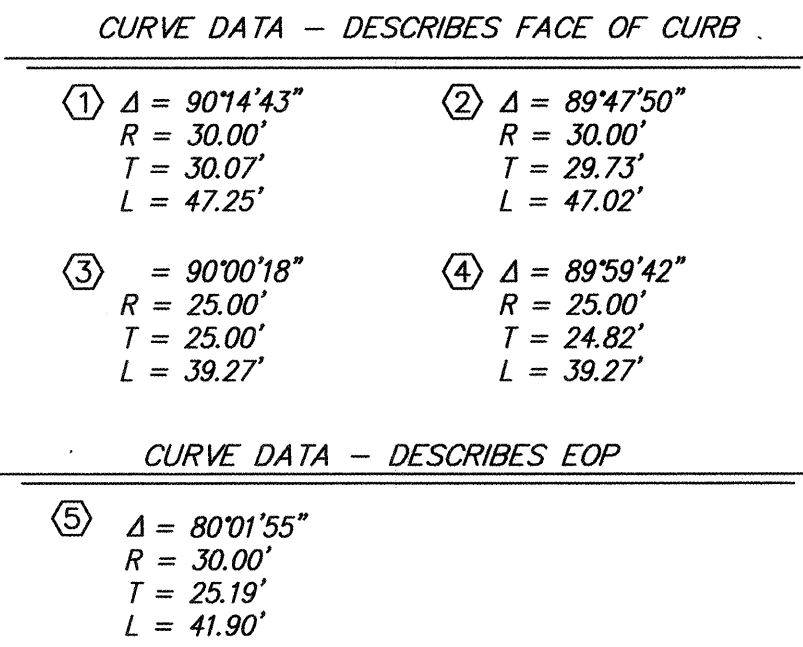


 CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: *QUIVERA ESTATES
GLENDALE AVE. N.E.
PAVING IMPROVEMENTS*

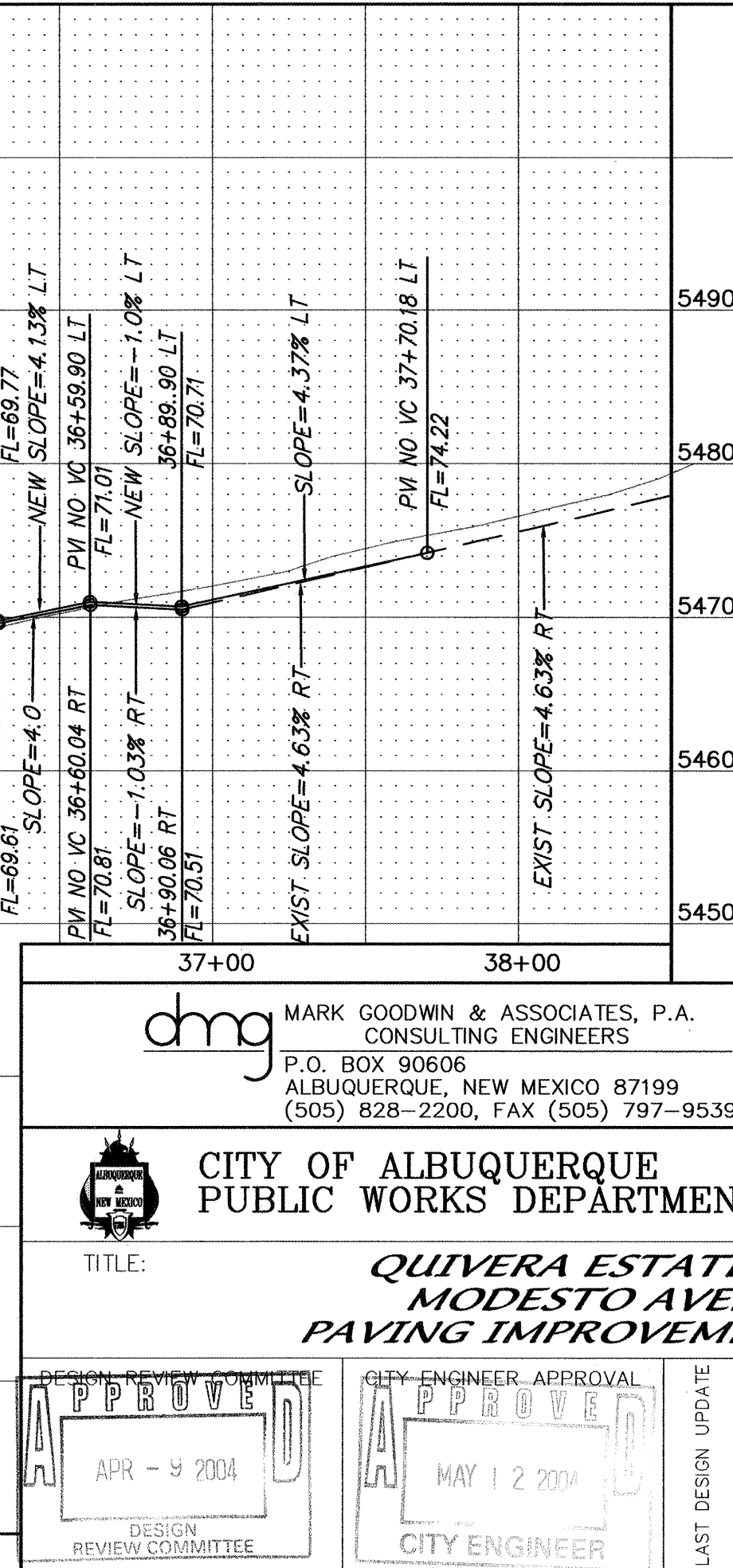
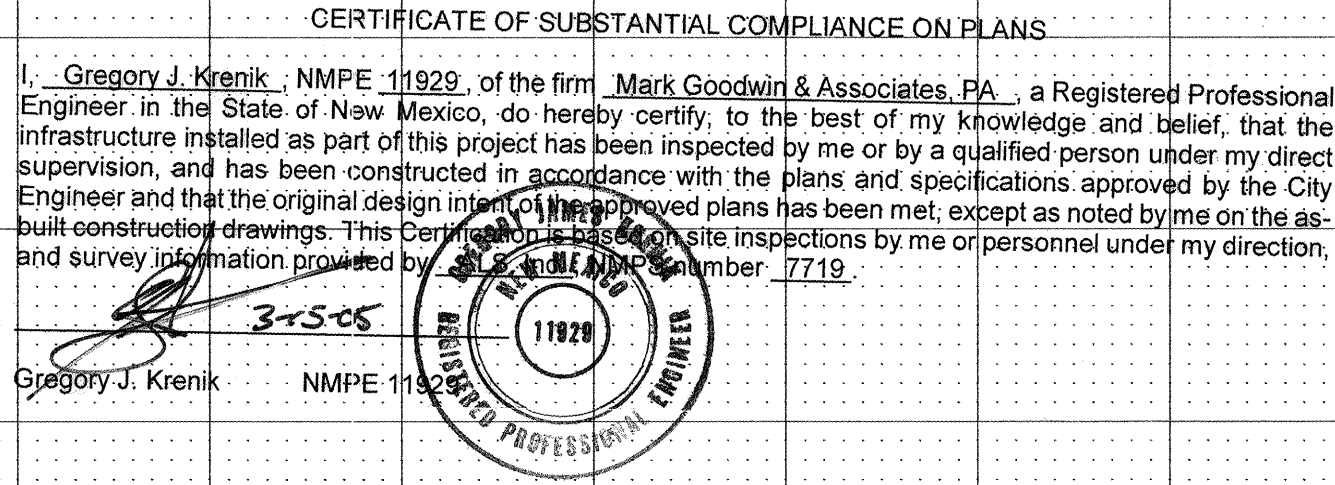
DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL		LAST DESIGN UPDATE	
APPROVE		APPROVE		MO./DAY/YR.	MO./DAY/YR.
APR - 9 2004		MAY 12 2004			
DESIGN REVIEW COMMITTEE		CITY ENGINEER			

CITY PROJECT NO.	ZONE MAP NO.	SHEET OF
729781	B-19	10 20

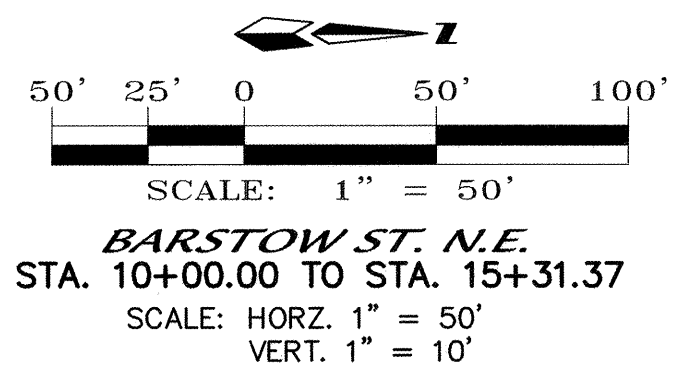
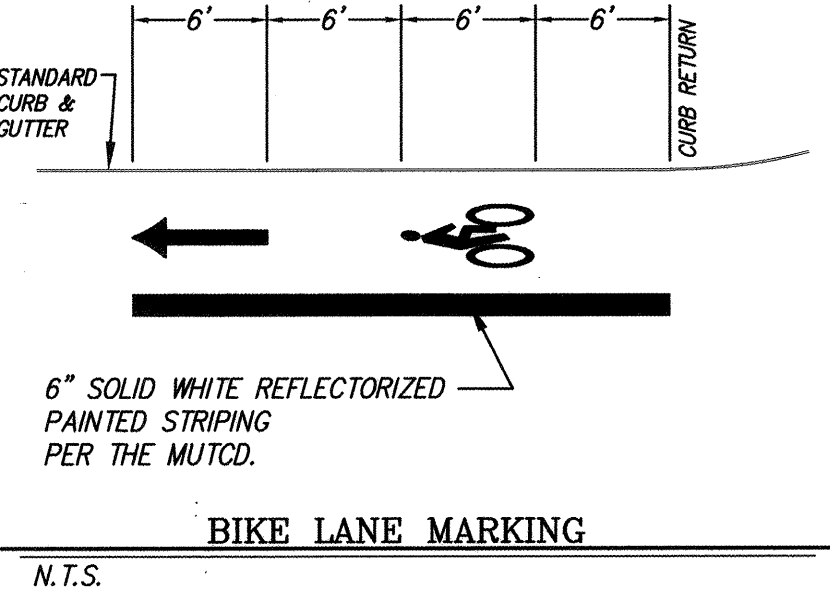
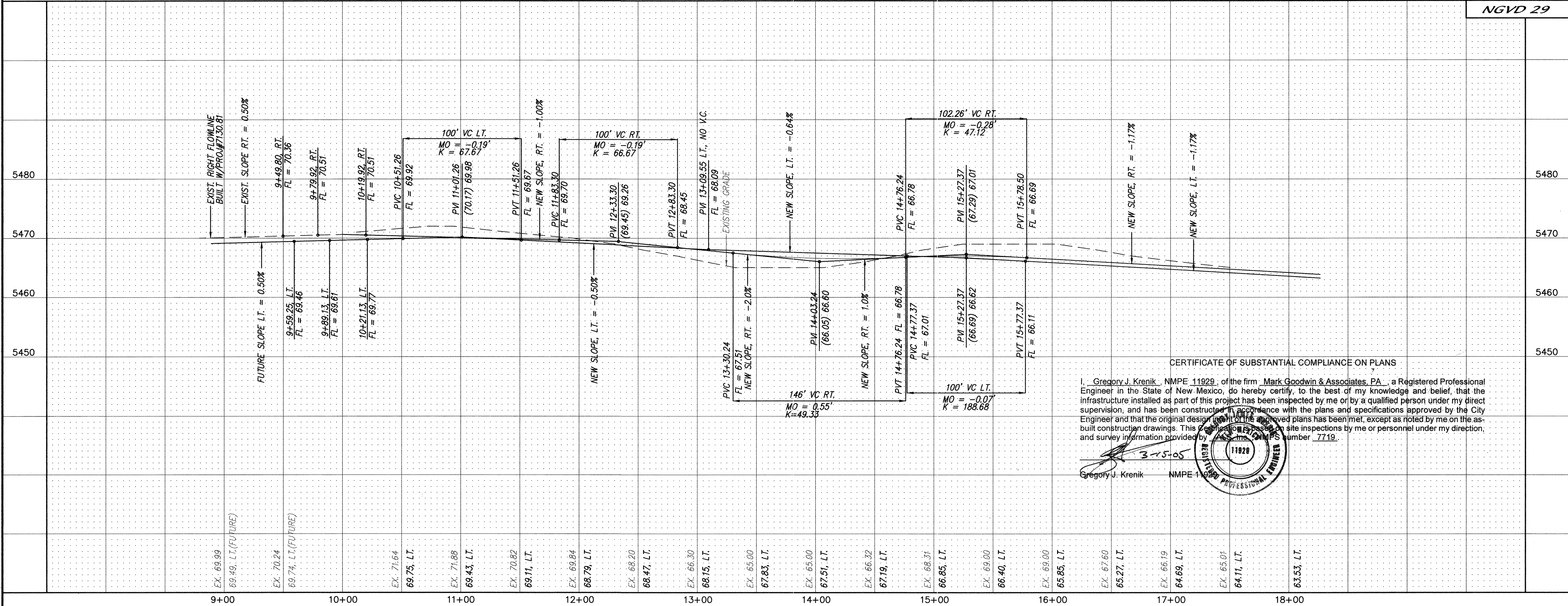


NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

[illegible]

SCANNED BY
MESA REPRO



CURVE DATA - DESCRIBES FACE OF CURB			
①	$\Delta = 90^{\circ}00'00''$ $R = 25.00'$ $L = 39.27'$ $T = 25.00'$	②	$\Delta = 90^{\circ}00'00''$ $R = 25.00'$ $L = 39.27'$ $T = 25.00'$
③	$\Delta = 90^{\circ}00'00''$ $R = 25.00'$ $L = 39.27'$ $T = 25.00'$	④	$\Delta = 90^{\circ}00'00''$ $R = 25.00'$ $L = 39.27'$ $T = 25.00'$
⑤	$\Delta = 90^{\circ}00'00''$ $R = 25.00'$ $L = 39.27'$ $T = 25.00'$	⑥	$\Delta = 89^{\circ}44'59''$ $R = 30.00'$ $L = 46.99'$ $T = 29.71'$
⑦	$\Delta = 90^{\circ}14'43''$ $R = 30.00'$ $L = 47.25'$ $T = 30.07'$	⑧	$\Delta = 90^{\circ}00'00''$ $R = 25.00'$ $L = 39.27'$ $T = 25.00'$
CURVE DATA - DESCRIBES EDGE OF PAVEMENT			
⑨	$\Delta = 80^{\circ}01'55''$ $R = 30.00'$ $L = 41.90'$ $T = 25.19'$		

- NEW PAVEMENT THIS PROJECT
- EXIST. PAVEMENT CONSTRUCTED WITH COA PROJECT #713081
- NEW 4" TEMPORARY PAVEMENT PER COA STD DWG 24158

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS
I, Gregory J. Krenik, NMPE 11929, 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 (submitted to 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 the contractor. My stamp number 7719.

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

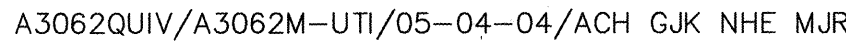
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

QUIVERA ESTATES
BARSTOW ST. N.E.
PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVE APR - 9 2004 DESIGN REVIEW COMMITTEE	APPROVE MAY 12 2004 CITY ENGINEER		

CITY PROJECT NO. 729781 ZONE MAP NO. B-19 SHEET 12 OF 20

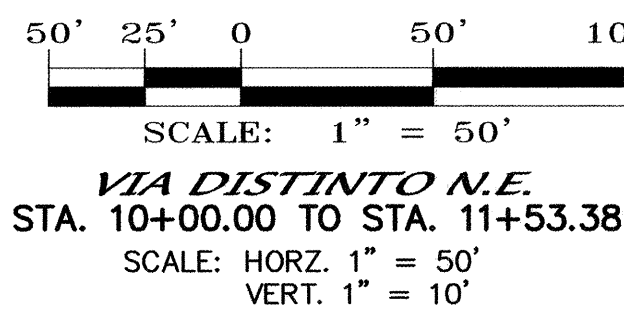
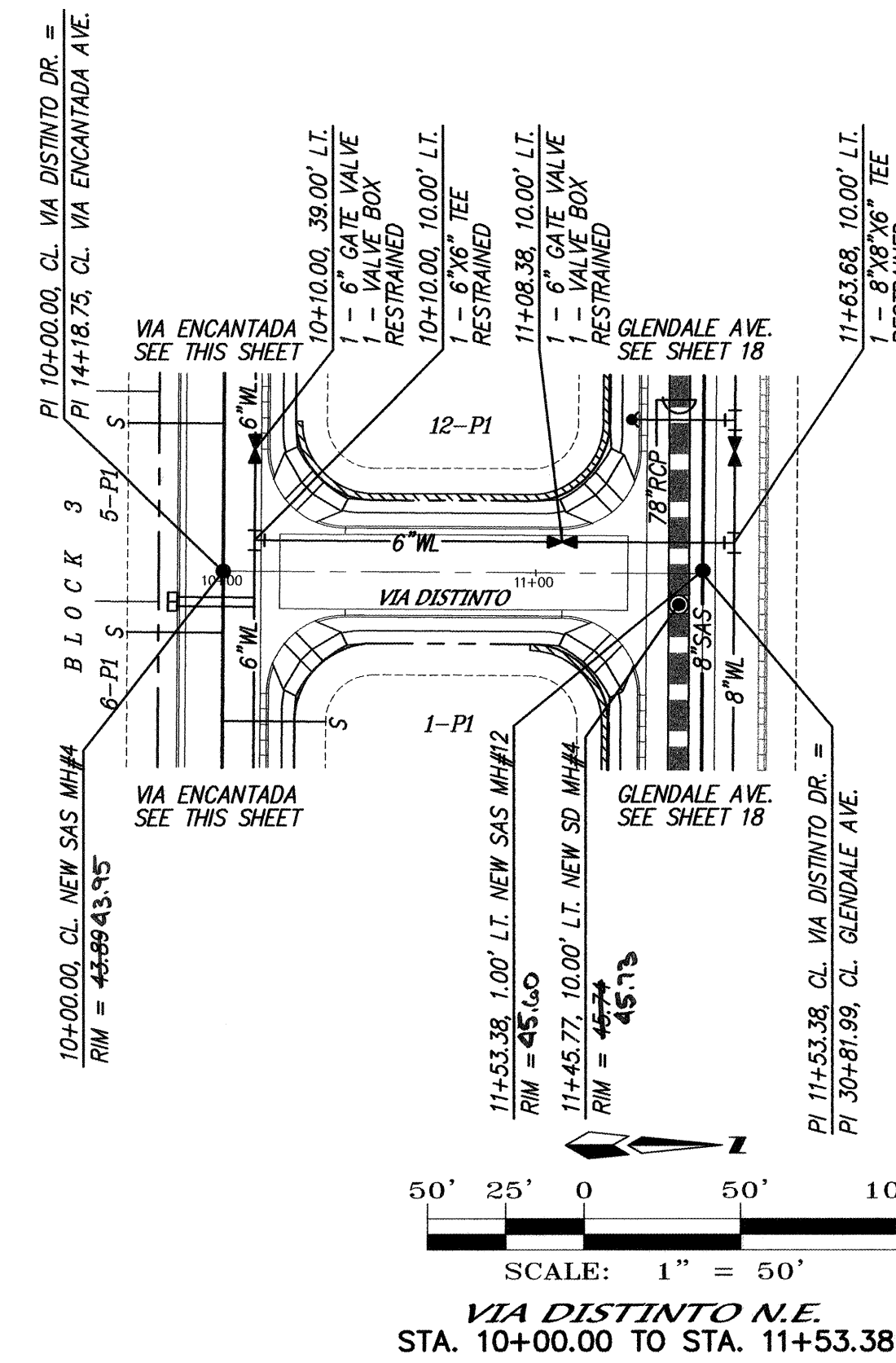
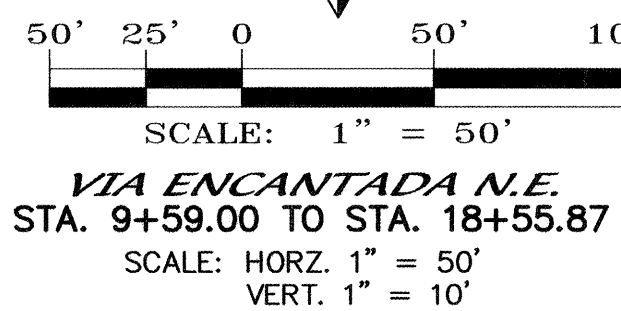
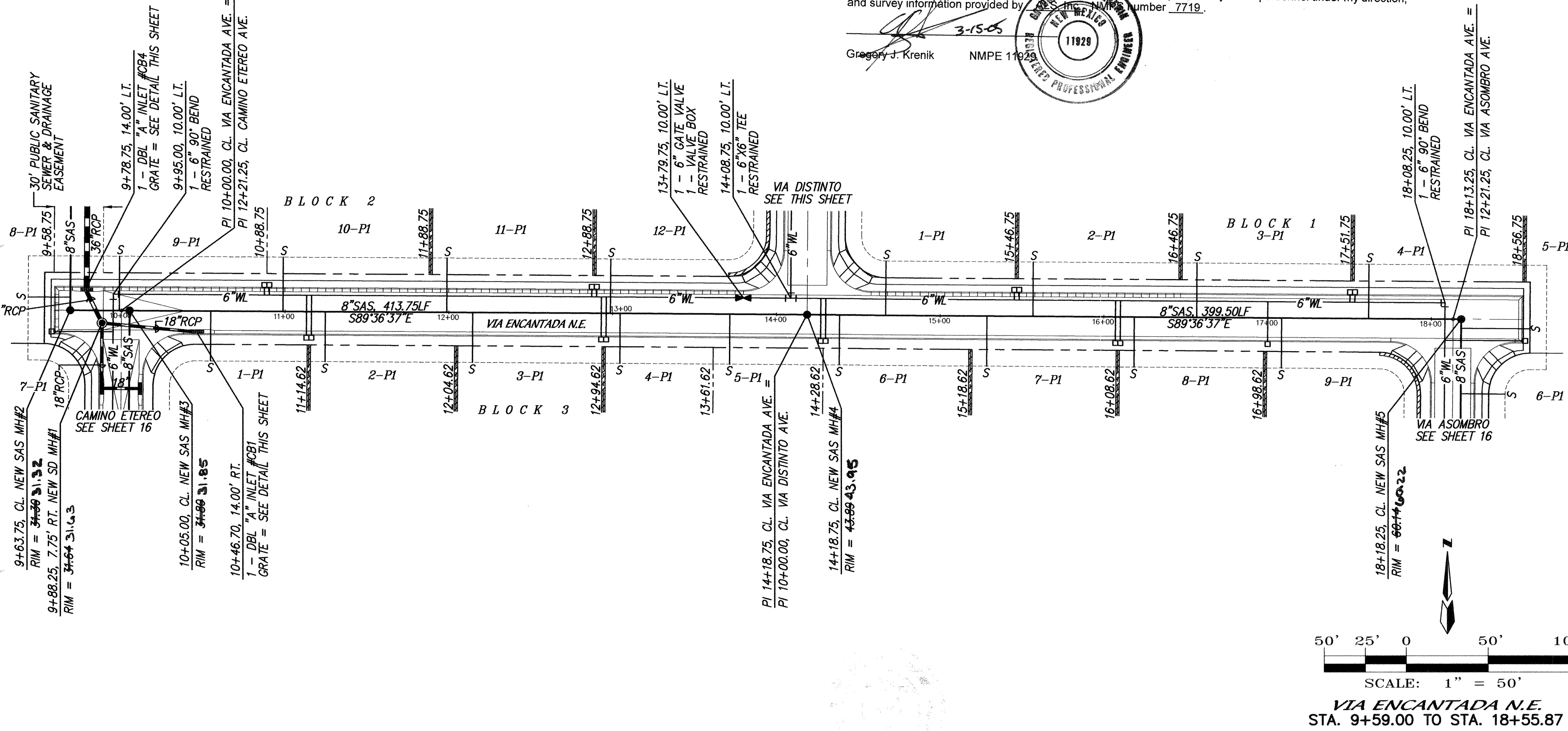
AS BUILT INFORMATION			
CONTRACTOR	WORK	DATE	DATE
ACS Brass Cap stamped "1-B20"	WORK	DATE	DATE
Located in the northeast quadrant of the intersection of Modesto Ave. N.E. and Barstow St. N.E.; approximately 30' north from the centerline of Modesto Ave. N.E. and approximately 30' east from the centerline of Barstow St. N.E.	WORK	DATE	DATE
N.M. State Plane Coordinates (Central Zone)	WORK	DATE	DATE
X=410,237.56 Y=1,524,092.46	WORK	DATE	DATE
Elevation=5474.533, NGVD29, in feet	WORK	DATE	DATE
SURVEY INFORMATION			
FIELD NOTES	DATE	BY	NO.
NO.	DATE	BY	NO.
ENGINEER'S SEAL			
NO.	DATE	BY	NO.
REMARKS	REVISIONS	DESIGN	
DESIGNED BY GJK	DATE 01/04		
DRAWN BY ACH	DATE 01/04		
CHECKED BY DMG	DATE 01/04		



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, 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 Certificate is based on site inspections by me or personnel under my direction, and survey information provided by the City of Albuquerque, File Number 7719.

Gregory J. Krenik NMPE 11929

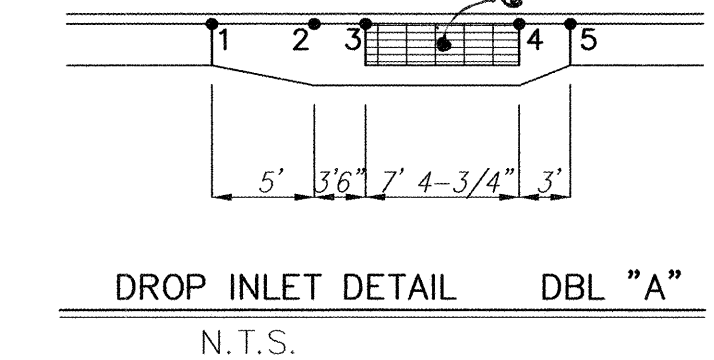


NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

SANITARY SEWER SERVICES				
BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
1	1	14+66.75	40.03'	33.00'
1	2	15+56.75	42.91'	33.00'
1	3	16+56.75	47.47'	33.00'
1	4	17+61.75	52.26'	33.00'
2	8	9+43.00, 81.1	26.15'	25.75'
2	9	9+98.75	26.71'	33.00'
2	10	10+98.75	28.93'	33.00'
2	11	11+98.75	31.91'	33.00'
2	12	12+98.75	34.90'	33.00'
3	1	10+54.62	27.61'	30.62'
3	2	11+24.62	29.70'	30.62'
3	3	12+14.62	32.39'	30.62'
3	4	13+04.62	35.07'	30.62'
3	5	13+71.62	37.07'	30.62'
3	6	14+38.62	39.15'	30.62'
3	7	15+28.62	41.96'	30.62'
3	8	16+18.62	45.73'	30.62'
3	9	17+08.62	49.83'	30.62'

	1	2	3	4	5	6
CB #1	32.72	32.37	32.28	32.12	32.29	32.20
CB #2	32.71	32.35	32.26	32.08	32.23	32.17
CB #3	32.71	32.35	32.26	32.08	32.23	32.17
CB #4	31.12	30.79	30.71	30.65	30.91	30.67



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

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

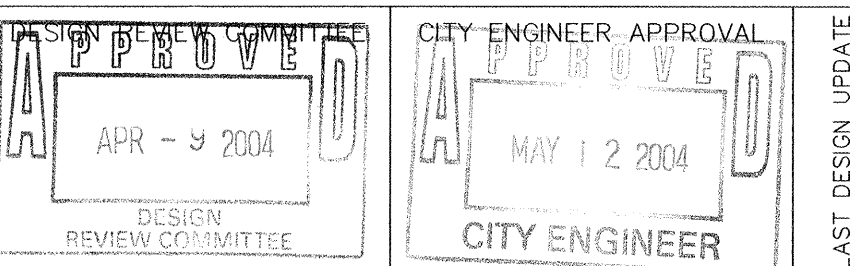
RESTRAINED JOINT LENGTHS FOR REDUCERS (FT.)		
PIPE SIZE	LARGE SIDE	SMALL SIDE
10" X 6"	44'	—

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'

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: QUIVERA ESTATES
VIA ENCANTADA N.E. & VIA DISTINTO N.E.
UTILITY IMPROVEMENTS



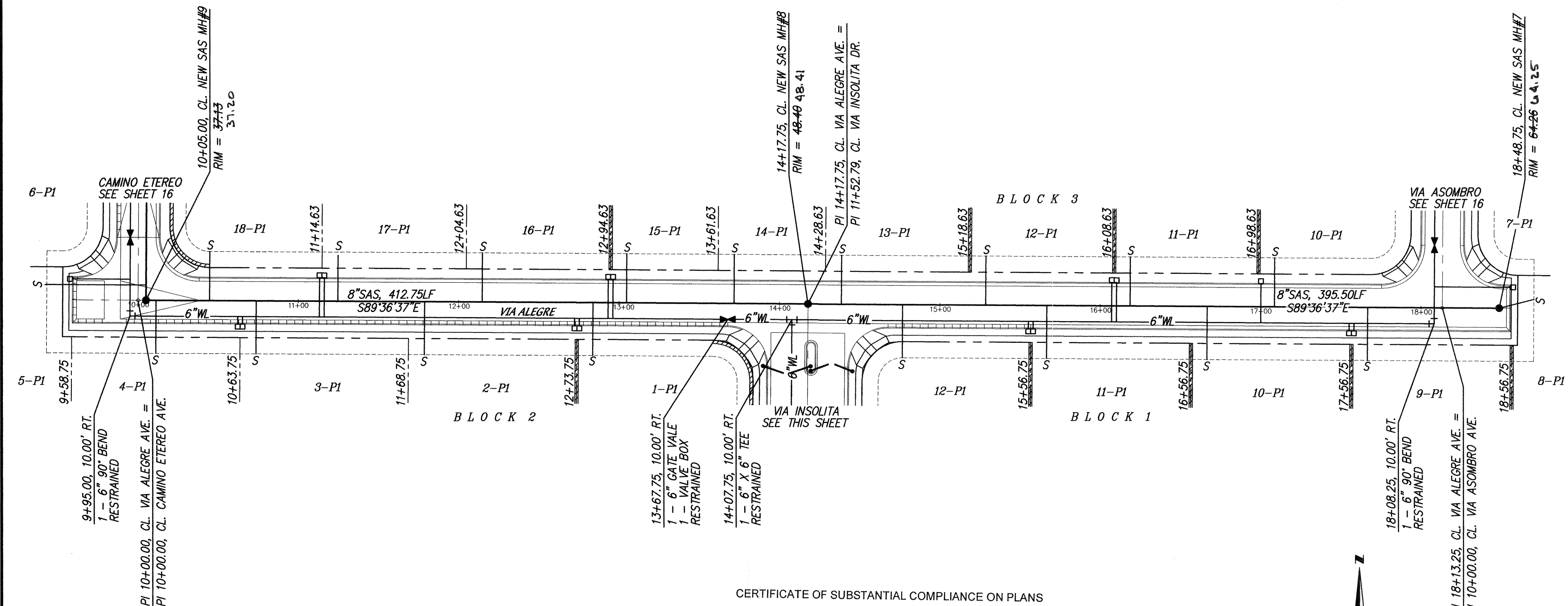
CITY PROJECT NO. 729781 ZONE MAP NO. B-19 SHEET 14 OF 20

CONTRACTOR		AS BUILT INFORMATION	
CONTRACTOR	WORK ORDER BY	CONTRACTOR	DATE
INSPECTOR'S	DATE	CONTRACTOR	DATE
ACCEPTANCE BY	DATE	CONTRACTOR	DATE
VERIFICATION BY	DATE	CONTRACTOR	DATE
DRAWN BY	DATE	CONTRACTOR	DATE
CHECKED BY	DATE	CONTRACTOR	DATE
RECORDED BY	DATE	CONTRACTOR	DATE
NO.		CONTRACTOR	DATE

FIELD NOTES		BENCH MARKS	
NO.	DATE	CONTRACTOR	DATE
BY		CONTRACTOR	DATE

ENGINEER'S SEAL		REVISIONS	
NO.	DATE	REVISIONS	DATE
BY		DESIGN	DATE
DESIGNED BY	DATE	DESIGN	DATE
DRAWN BY	DATE	DESIGN	DATE
CHECKED BY	DATE	DESIGN	DATE

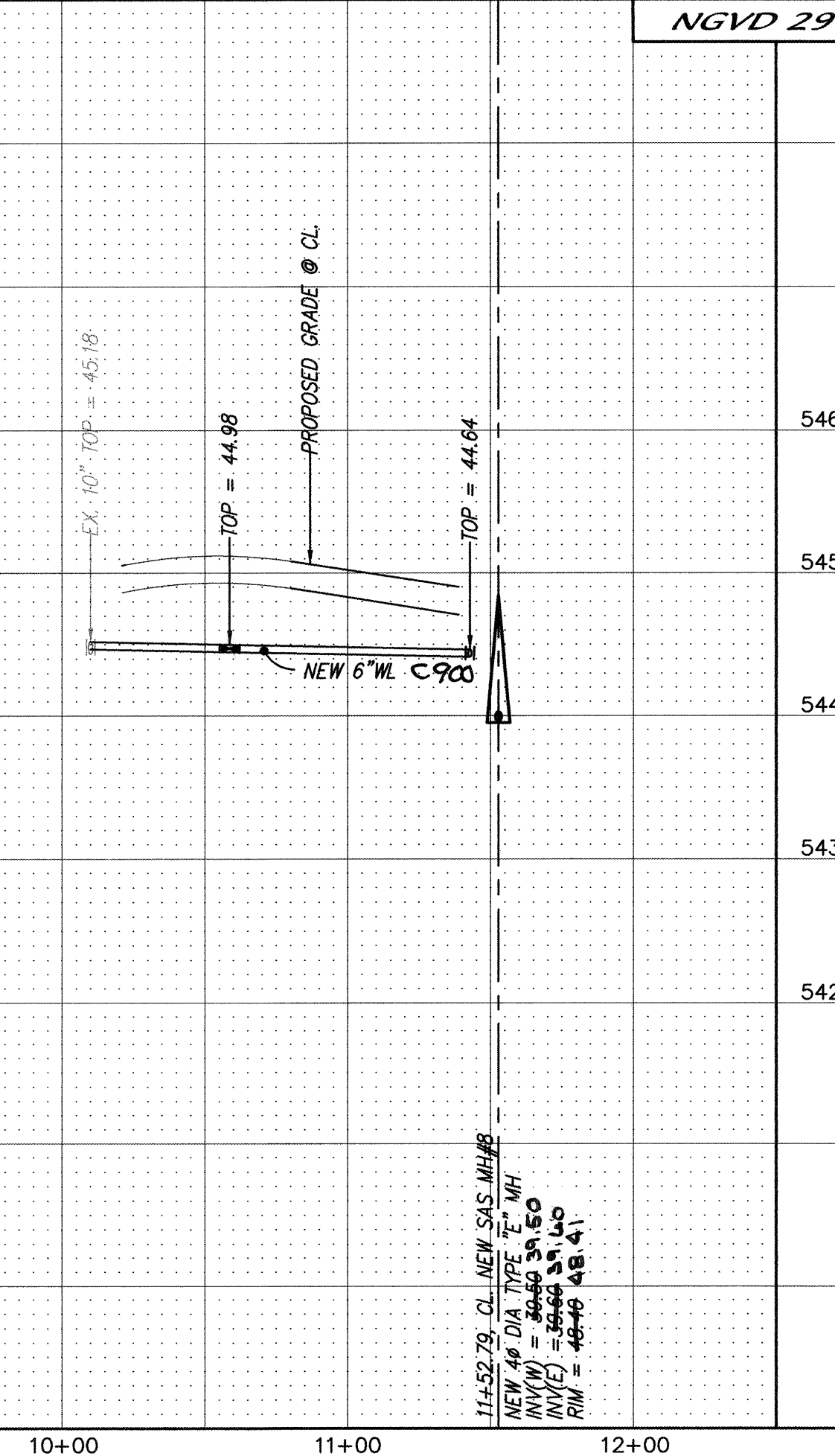
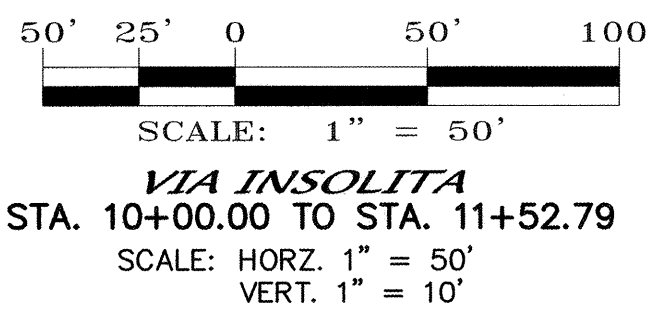
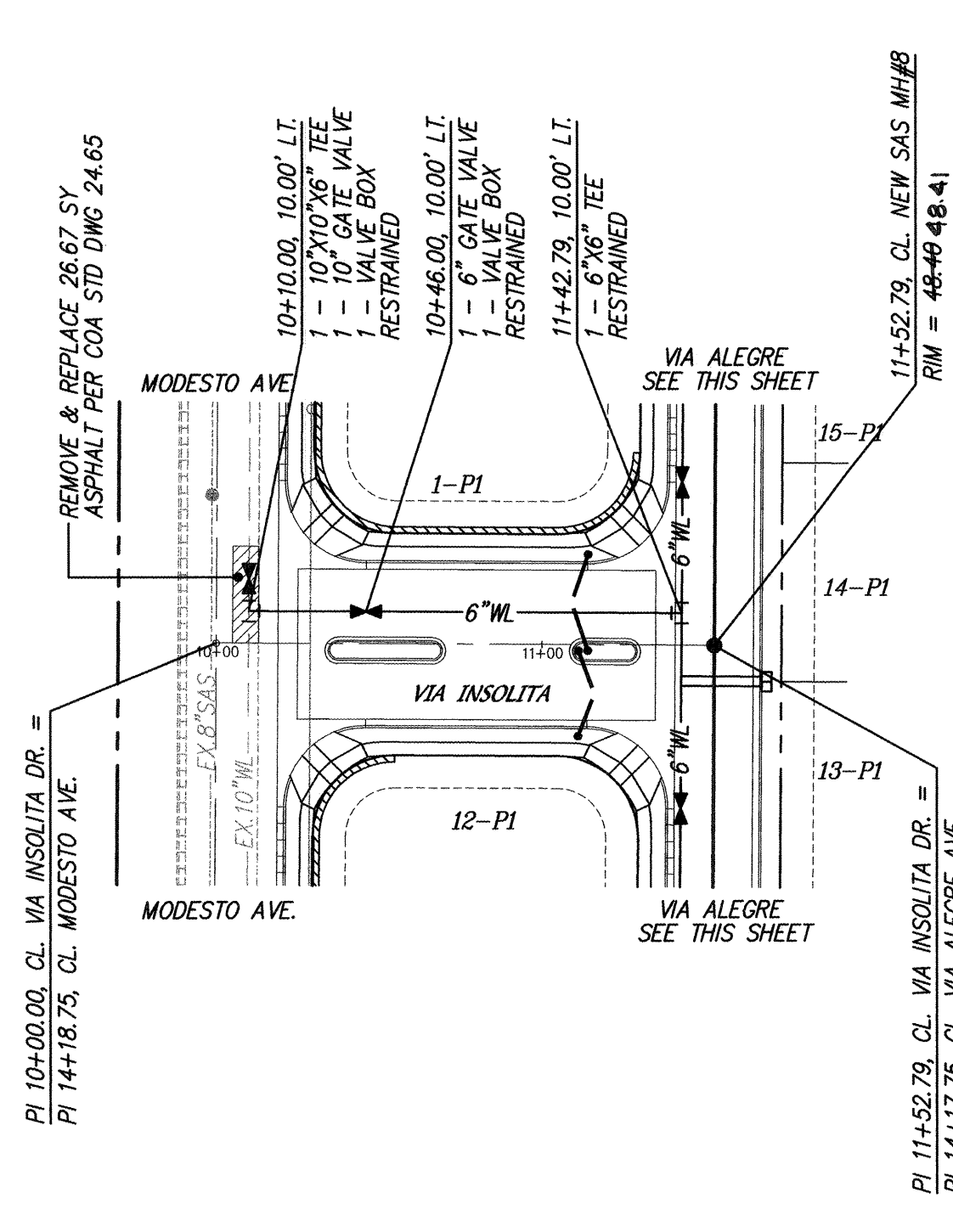
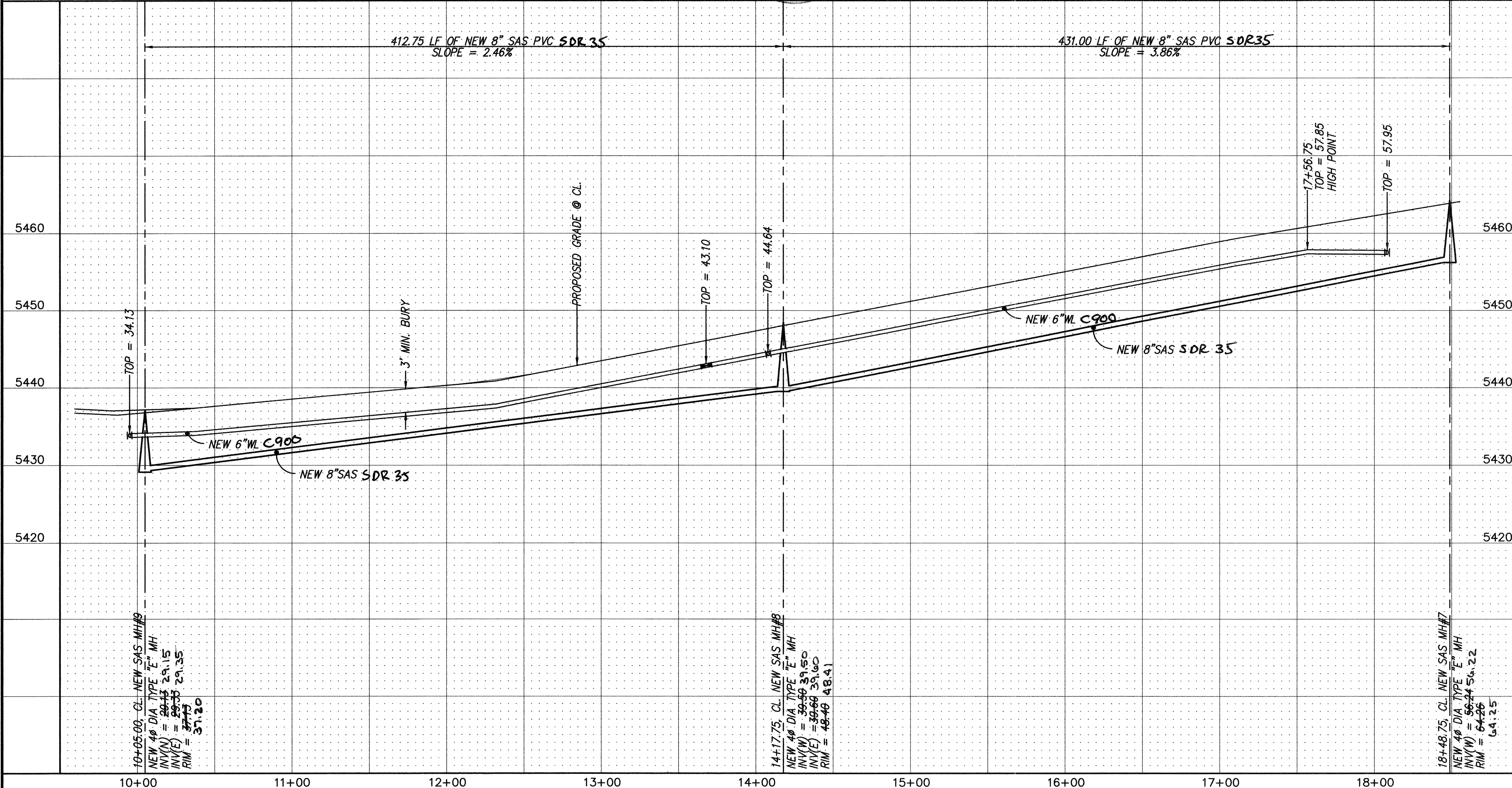
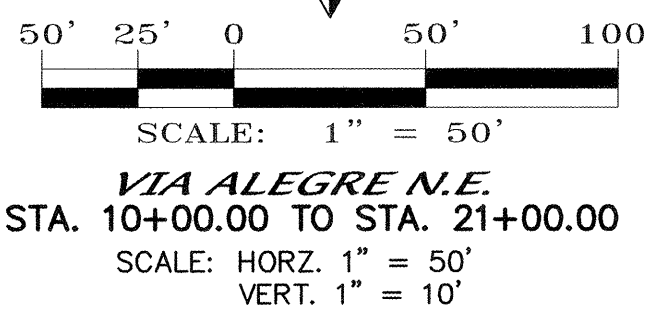
SCANNED BY
MESA REPRO



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Gregory J. Krenik, NMPE 11929, 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 the contractor. My registration number is 7719.

Gregory J. Krenik NMPE 11929



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

SANITARY SEWER SERVICES				
BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
1	8	18+70.25, 5.62'L.T.	59.61'	22.22'
1	9	11+24.62	33.95'	33.00'
1	10	16+66.75	52.62'	33.00'
1	11	15+66.75	48.77'	33.00'
2	1	12+83.75	37.87'	33.00'
2	2	11+78.75	34.93'	33.00'
2	3	10+73.75	33.03'	33.00'
2	4	10+11.25	31.91'	33.00'
3	10	17+08.63	54.23'	30.62'
3	11	16+18.63	50.77'	30.62'
3	12	15+28.63	47.18'	30.62'
3	13	14+38.63	43.83'	30.62'
3	14	13+71.63	41.25'	30.62'
3	15	13+04.63	38.67'	30.62'
3	16	12+14.63	35.57'	30.62'
3	17	11+24.63	33.95'	30.62'
3	18	10+44.63	32.51'	30.62'

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'

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

RESTRAINED JOINT LENGTHS FOR REDUCERS (FT.)

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

RESTRAINED JOINT LENGTH FOR TEES (FT.)

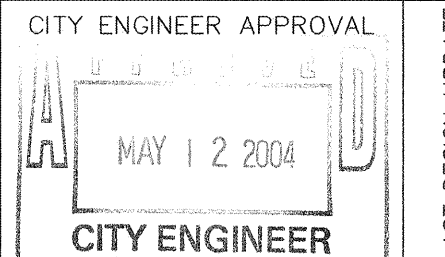
PIPE SIZE	RUN	BRANCH
10"x10"x10"	15'	5'
10"x10"x6"	6'	1'
6"x6"x6"	10'	2'

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

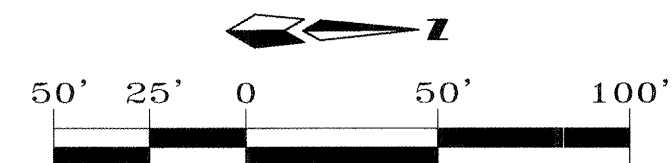


CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: QUIVERA ESTATES
VIA ALEGRE N.E. & VIA INSOLITA N.E.
UTILITY IMPROVEMENTS



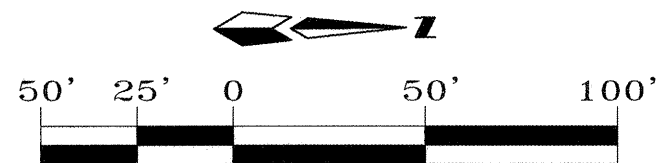
CITY PROJECT NO. 729781 ZONE MAP NO. B-19 SHEET 15 OF 20



CAMINO ETEREO
STA. 10+00.00 TO STA. 21+00.00



Gregory J. Krenik

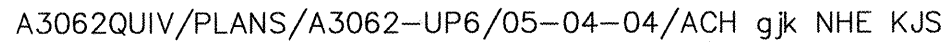


VIA ASOMBRO
STA. 10+00.00 TO STA. 12+21.25



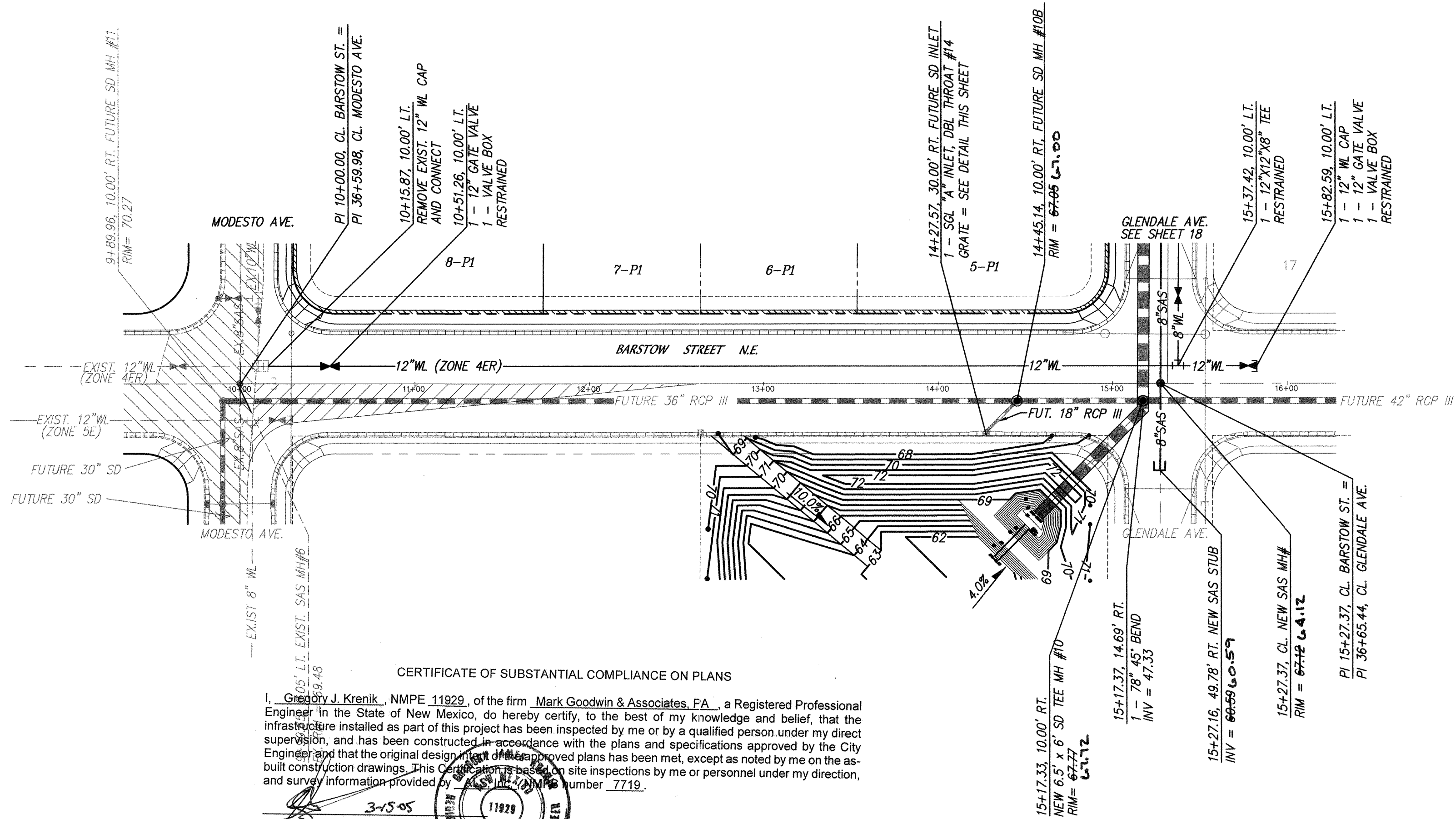
1. ALL STATIONING IS CENTERLINE STATIONING.

5.6175	20°	15°	22.5°	11.25°	1/4115
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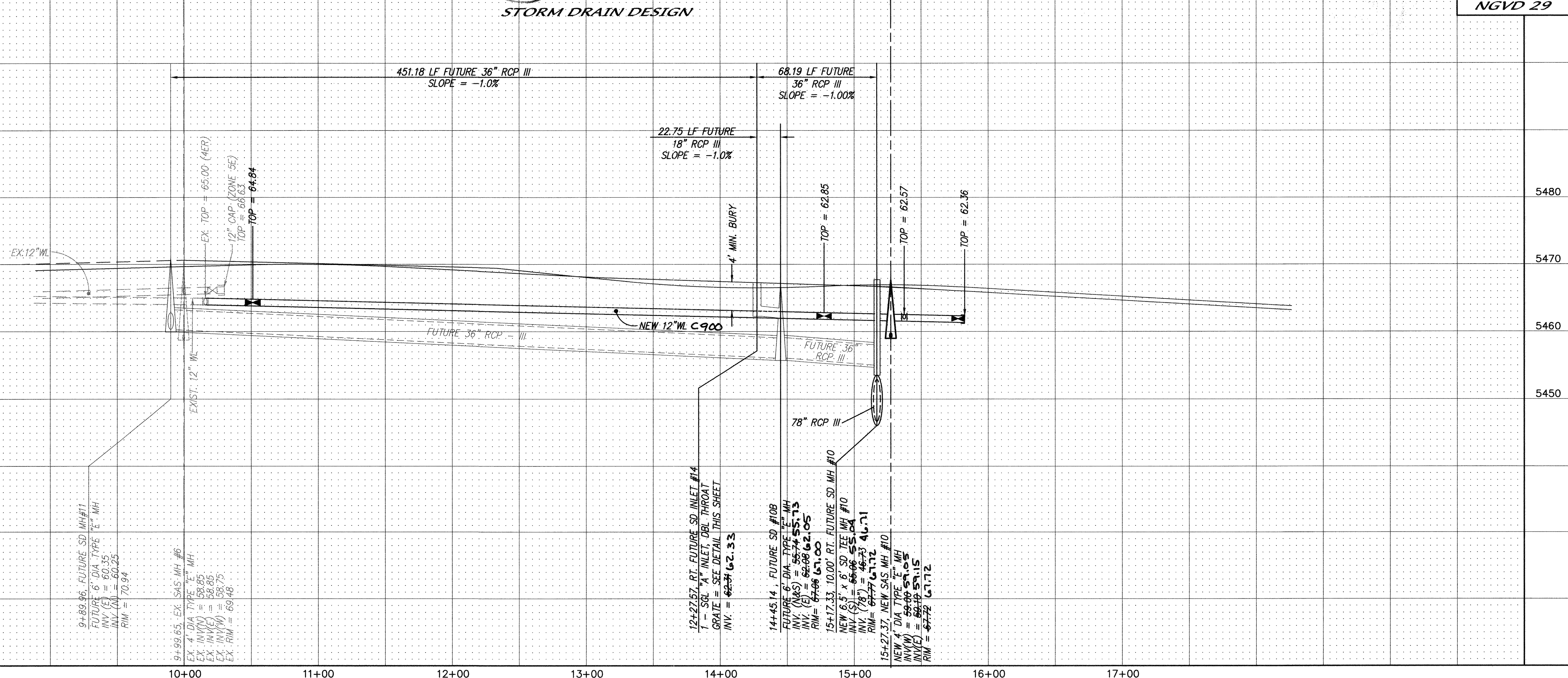
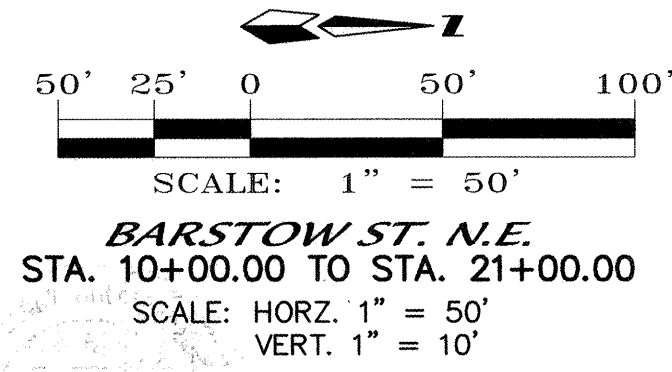
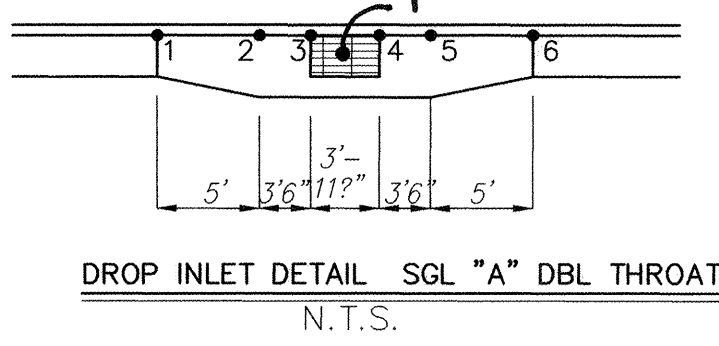


F:\A3062\A306201\PLANS\A3062-UP7.dwg Fr1 Apr 02 13:11:23 2004 D. MARK GOODWIN & ASSOCIATES; PLTIED BY: GJK

SCANNED BY
MESA REPRO



CB#14	66.5	66.31	66.31	66.31	66.31	66.55	66.33
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- NOTES**
1. ALL STATIONING IS CENTERLINE STATIONING.
 2. ALL WATERLINE PIPE IS C-900 PVC AND ALL SAS PIPE IS SDR PVC UNLESS NOTED OTHERWISE.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	WORKED BY	ACCS Brass Cap stamped "1-B20"	DATE	NO.	BY		
INSPECTOR'S	DATE	Ave. N.E. and Barstow St. N.E.; approximately 30' north from the centerline of Modesto Ave. N.E. and approximately 30' east from the centerline of Barstow St. N.E.;	DATE				
ACCEPTANCE BY	DATE	the centerline of Barstow St. N.E.;	DATE				
VERIFICATION BY	DATE	Geographic Position (NAD 1927), in feet	DATE				
DRAWINGS	DATE	N.M. State Plane Coordinates (Central Zone)	DATE				
CORRECTIONS	DATE	X=410,237.56 Y=1,524,092.46	DATE				
RECORDED BY	DATE	Elevation=5474.533 NGVD29, in feet	DATE				
NO.							

dmg MARK GOODWIN & ASSOCIATES, P.A.
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P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
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**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT**

TITLE: **QUIVERA ESTATES
BARSTOW ST. N.E.
UTILITY IMPROVEMENTS**

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APR - 9 2004	MAY 12 2004			
DESIGN REVIEW COMMITTEE	CITY ENGINEER			

CITY PROJECT NO. **729781** ZONE MAP NO. **B-19** SHEET **19** OF **20**

[illegible]