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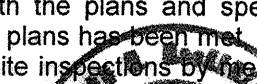
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2	6	-	7	4	2	4	.	8			0	6	

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

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

John M. MacKenzie 5-20-05

John M. MacKenzie NMPE 11619



SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750,
Hereby Certify that the as-built information shown hereon is the
result of an actual field survey performed by me or under my
direct supervision and that the same is true and correct to the
best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750
52.17

Russ P. Hugg
NMPS No. 9750
Feb. 17, 2008

CAUTION:

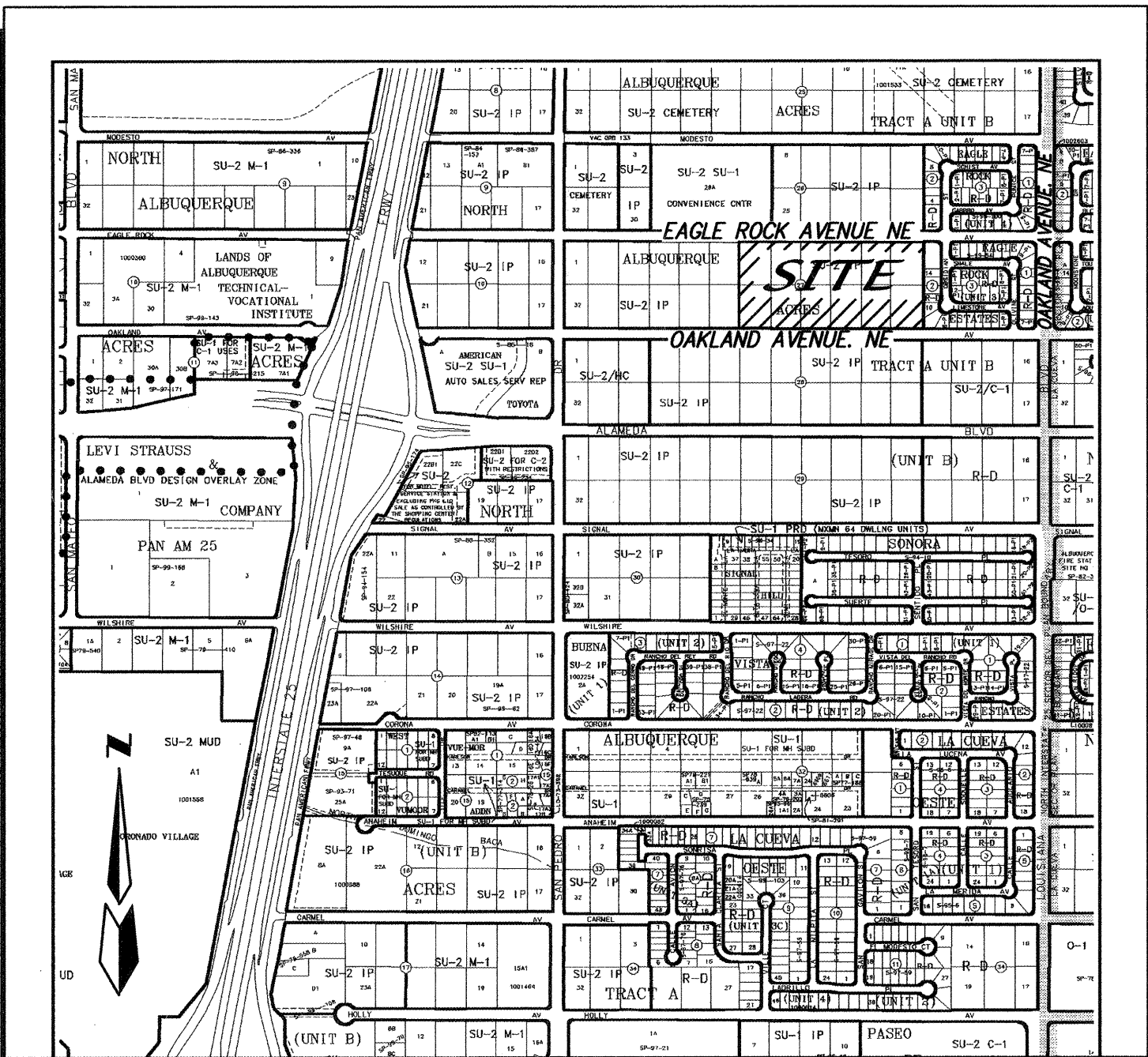
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS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

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

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SCANNED BY *PLN*

PRELIMINARY PLAT FOR
OAKLAND ESTATES SUBDIVISION
WITHIN THE
ELENA GALLEGOS GRANT
PROJECTED SECTION 13
TOWNSHIP 11 NORTH, RANGE 3 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
FEBRUARY, 2004



ZONE ATLAS C-18-Z

(HATCHED AREA)
ADDITIONAL STREET RIGHT-OF-WAY
DEDICATED TO THE CITY OF ALBUQUERQUE
BY THIS PLAT WITHOUT WARRANTY COVENANTS.
(1.3970 ACRES)

ABBREVIATIONS

10' PUE = PUBLIC UTILITY EASEMENTS
GRANTED WITH THIS PLAT

LEGAL DESCRIPTION

A tract of land situate within the Elena Gallegos Grant, projected Section 13, Township 11 North, Range 3 East, New Mexico Principal Meridian, City of Albuquerque, Bernalillo County, New Mexico being all of LOTS 7 THRU 12 AND LOTS 21 THRU 26, BLOCK 27, TRACT A, UNIT B, NORTH ALBUQUERQUE ACRES 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 April 24, 1936 in Volume D, Folio 130 and being more particularly described as follows:

BEGINNING at the northwest corner of the herein described tract said point being on the centerline of Eagle Rock Avenue N.E. from whence the Albuquerque Control Survey Monument "10-C18" bears N 63°18'20" W, 1074.30 feet;

THENCE along said centerline of Eagle Rock Avenue N.E. S 89°42'49" E, 990.97 feet to the north-east corner;

THENCE leaving said centerline of Eagle Rock Avenue N.E. S 00°12'38" W, 530.23 feet along a line common with the west line of BLOCK 2, EAGLE ROCK ESTATES, UNIT III 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 May 13, 1999 in Book 99C, Page 118 to the southeast corner, said point being on the centerline of Oakland Avenue N.E.;

THENCE along said centerline of Oakland Avenue N.E. N 89°56'59" W, 991.65 feet to the southwest corner;

THENCE leaving said centerline of Oakland Avenue N.E. N 00°17'01" E, 534.32 feet along a line common with the east line of LOTS 27 AND 6, BLOCK 27, TRACT A, UNIT B, NORTH ALBUQUERQUE ACRES 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 April 24, 1936 in Book D, Page 130 to the point of beginning and containing 12.1131 acres more or less.

PURPOSE OF PLAT

- SUBDIVIDE 12 EXISTING LOTS INTO 68 RESIDENTIAL LOTS.
- GRANT EASEMENTS AS SHOWN HEREON.
- DEDICATE RIGHT-OF-WAY AS SHOWN HEREON.

OWNERS

STV INVESTMENTS, LLC
400 GOLD SW, SUITE 700
ALBUQUERQUE, N.M. 87102
(505) 338-2286

ENGINEERS

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

SURVEYOR

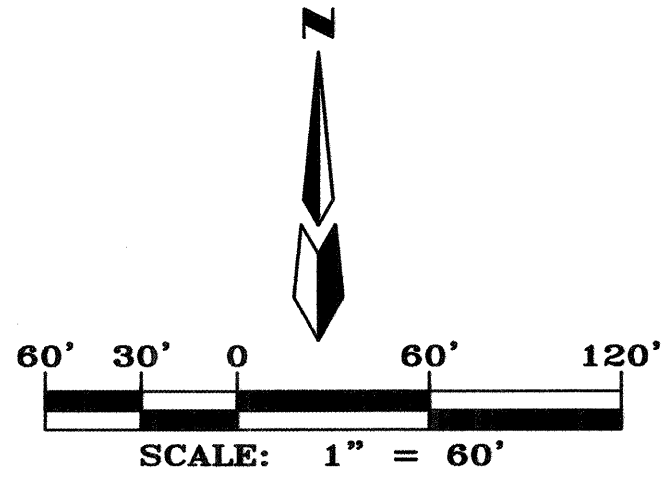
ALDRICH LAND SURVEYING
P.O. BOX 30701,
ALBUQUERQUE, N.M. 87190
(505) 884-1990

SUBDIVISION DATA

DRB PROJECT NO. 1003099
EPC CASE NO.'S 03EPC-00907
03EPC-00908
03EPC-00915
GROSS ACREAGE 12.1131 AC
ZONE ATLAS NO. C-18-Z
NO. OF EXISTING LOT/TRACTS 12 LOTS
NO. OF LOTS CREATED 68 LOTS
NO. OF TRACTS CREATED 1 TRACT
AREA DEDICATED TO CITY 1.3974 AC
DATE OF SURVEY NOVEMBER, 2003
ZONING SU-21P

NOTES

- UNLESS OTHERWISE NOTED, ALL BOUNDARY CORNERS SHOWN THUS ○ SHALL BE MARKED BY A #5 REBAR W/CAP STAMPED PS#7719
- 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.



APPROVED FOR MONUMENTATION AND STREET NAMES

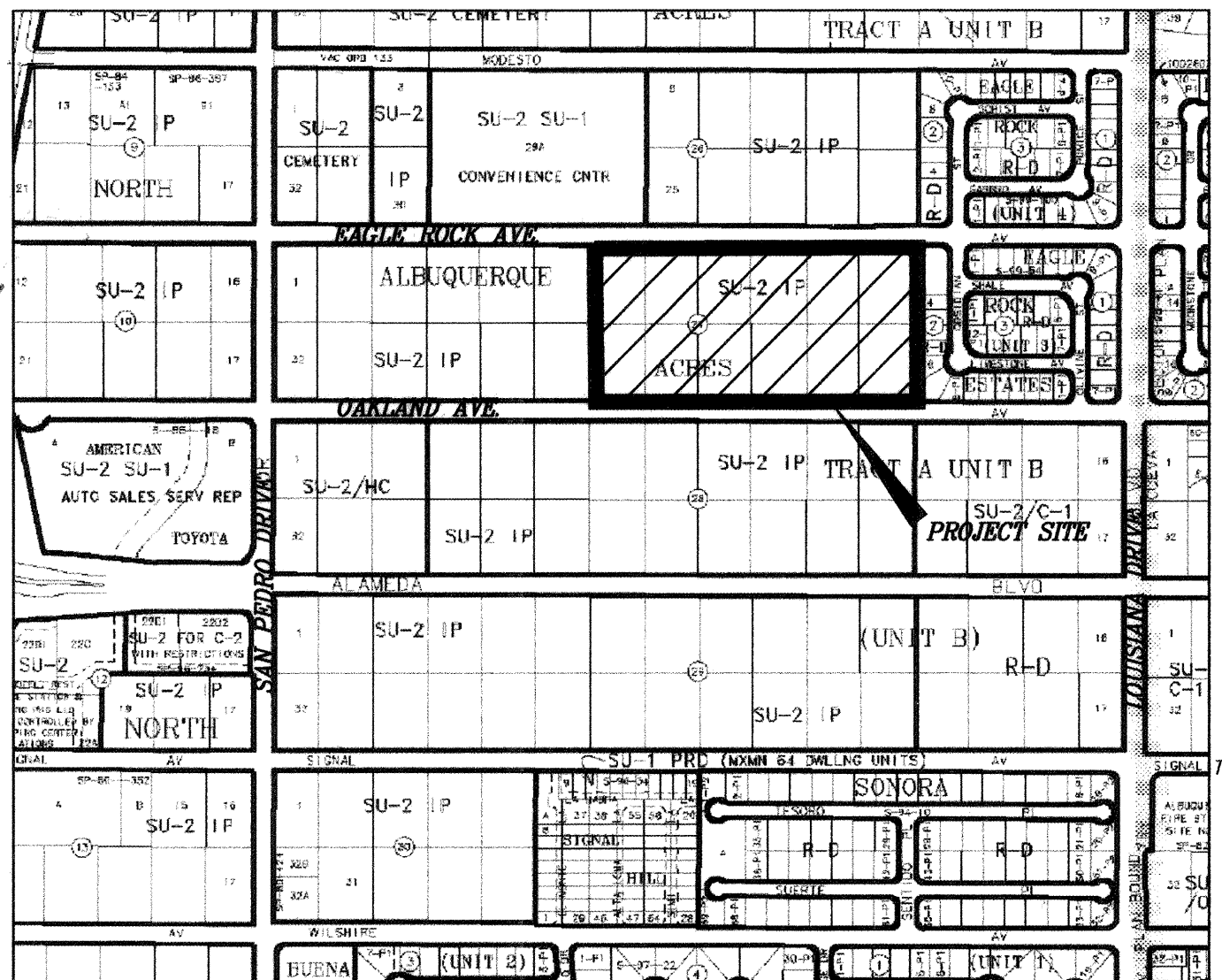
PLB
3/10/04
City Surveyor, City of Albuquerque, N.M.
Date 2-6-04
OWNER: STV INVESTMENTS, LLC
Jim McNeary
2/4/04
Tim McNeary
Managing Member, STV Investments, LLC
Date

CURVE TABLE						
CURVE	RADIUS	LENGTH	DELTA	TANGENT	CHORD BRC	CHORD
C1	75.00	117.81	89°59'50"	75.00	S44°42'54"E	106.06
C2	75.00	60.98	46°34'59"	32.29	N66°59'42"E	59.31
C3	75.00	56.93	43°29'35"	29.92	N21°57'25"E	55.58
C4	75.00	117.91	90°04'33"	75.10	N45°14'54"E	106.14
C5	20.00	31.52	90°17'03"	20.10	N44°51'31"W	28.35
C6	20.00	31.52	90°17'11"	20.10	S45°08'35"W	28.35
C7	20.00	31.39	89°55'27"	19.97	N44°45'06"W	28.27
C8	20.00	31.52	90°17'11"	20.10	S45°08'35"W	28.35
C9	53.00	83.25	89°59'50"	53.00	S44°42'54"E	74.95
C10	20.00	31.42	90°00'00"	20.00	N44°42'49"W	28.28
C11	20.00	26.62	76°15'00"	15.70	S52°09'41"W	24.70
C12	25.00	39.10	89°36'14"	24.83	N45°05'18"E	35.23
C13	25.00	39.44	90°23'46"	25.17	S44°54'42"E	35.48
C14	97.00	5.00	2°57'04"	2.50	S01°11'31"E	5.00
C15	97.00	18.57	10°58'18"	9.32	S08°09'12"E	18.55
C16	97.00	23.57	13°55'22"	11.84	S06°40'40"E	23.51
C17	20.00	15.47	44°19'27"	8.15	N08°31'22"E	15.09
C18	45.00	12.71	16°11'05"	6.40	S22°35'33"W	12.67
C19	45.00	33.19	42°15'51"	17.39	S06°37'55"E	32.45
C20	45.00	33.67	42°51'51"	17.66	S49°11'46"E	32.89
C21	45.00	40.56	51°38'43"	21.78	N83°32'57"E	39.20
C22	45.00	120.13	152°57'30"	187.14	S45°47'40"E	87.51
C23	20.00	6.63	18°58'50"	3.34	S67°13'01"W	6.60
C24	20.00	6.58	24°34'45"	4.36	S88°59'48"W	8.51
C25	20.00	15.21	43°33'35"	7.99	S79°30'23"W	14.84
C26	98.00	18.81	11°00'00"	9.44	S84°12'49"E	18.79
C27	97.00	25.86	15°16'27"	13.01	N82°32'38"E	25.78
C28	20.00	13.78	39°28'45"	7.18	N85°21'13"W	13.51
C29	45.00	6.37	8°06'51"	3.19	S69°40'16"E	6.37
C30	45.00	33.82	43°03'28"	17.75	N84°44'34"E	33.03
C31	45.00	23.84	30°21'35"	12.21	N48°02'03"E	23.57
C32	45.00	29.95	38°07'43"	15.55	N13°47'24"E	29.40
C33	45.00	18.09	23°02'07"	9.17	N16°47'31"W	17.97
C34	45.00	112.07	142°41'44"	133.31	N43°02'17"E	85.27
C35	20.00	14.00	40°06'55"	7.30	S08°15'07"E	13.72
C36	97.00	14.38	8°29'32"	7.20	N07°33'35"E	14.36
C37	97.00	5.25	3°06'11"	2.63	N01°45'43"E	5.25
C38	97.00	19.63	11°35'43"	9.85	N06°00'29"E	19.60
C39	97.00	0.18	0°06'19"	0.09	S89°45'59"E	0.18

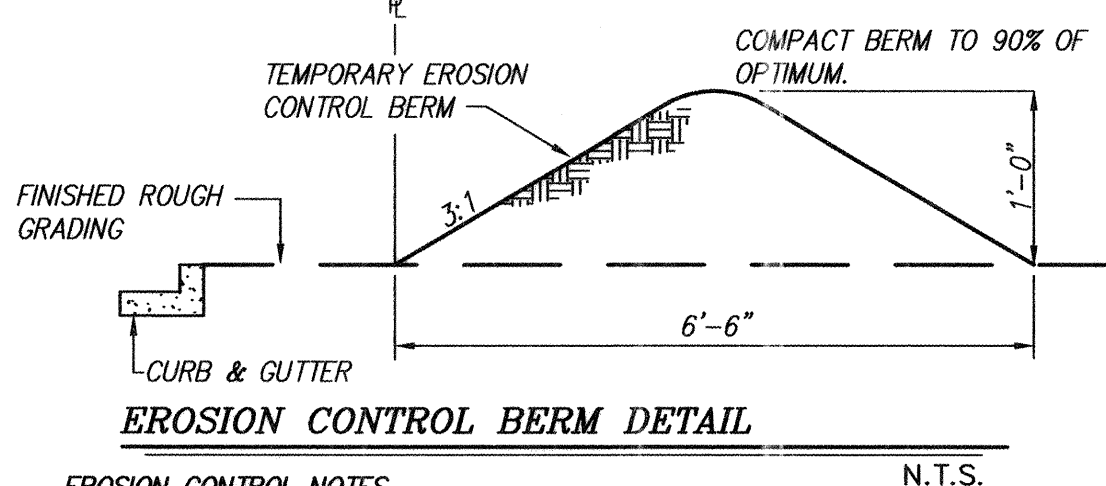
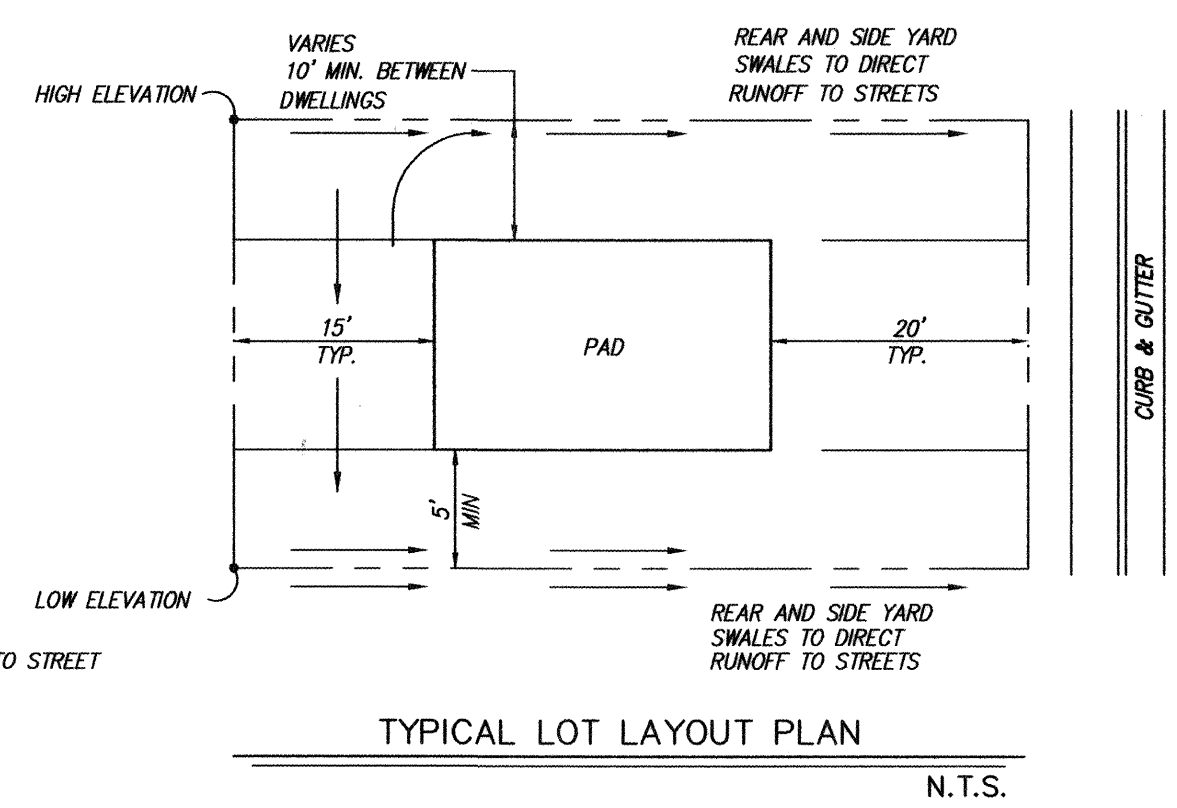
LINE TABLE		
LINE ID	LENGTH	BEARING
L1	23.01	S89°42'49"E
L2	9.00	N00°17'11"E
L3	23.00	N00°17'11"E
L4	32.00	N00°17'11"E
L5	25.00	S89°42'49"E
L6	25.00	S89°42'49"E
L7	23.00	S00°17'11"W
L8	9.00	S00°17'11"W
L9	32.00	S00°17'11"W
L10	23.16	S89°42'49"E
L11	4.26	S46°17'48"E

742481

SCANNED BY PLU

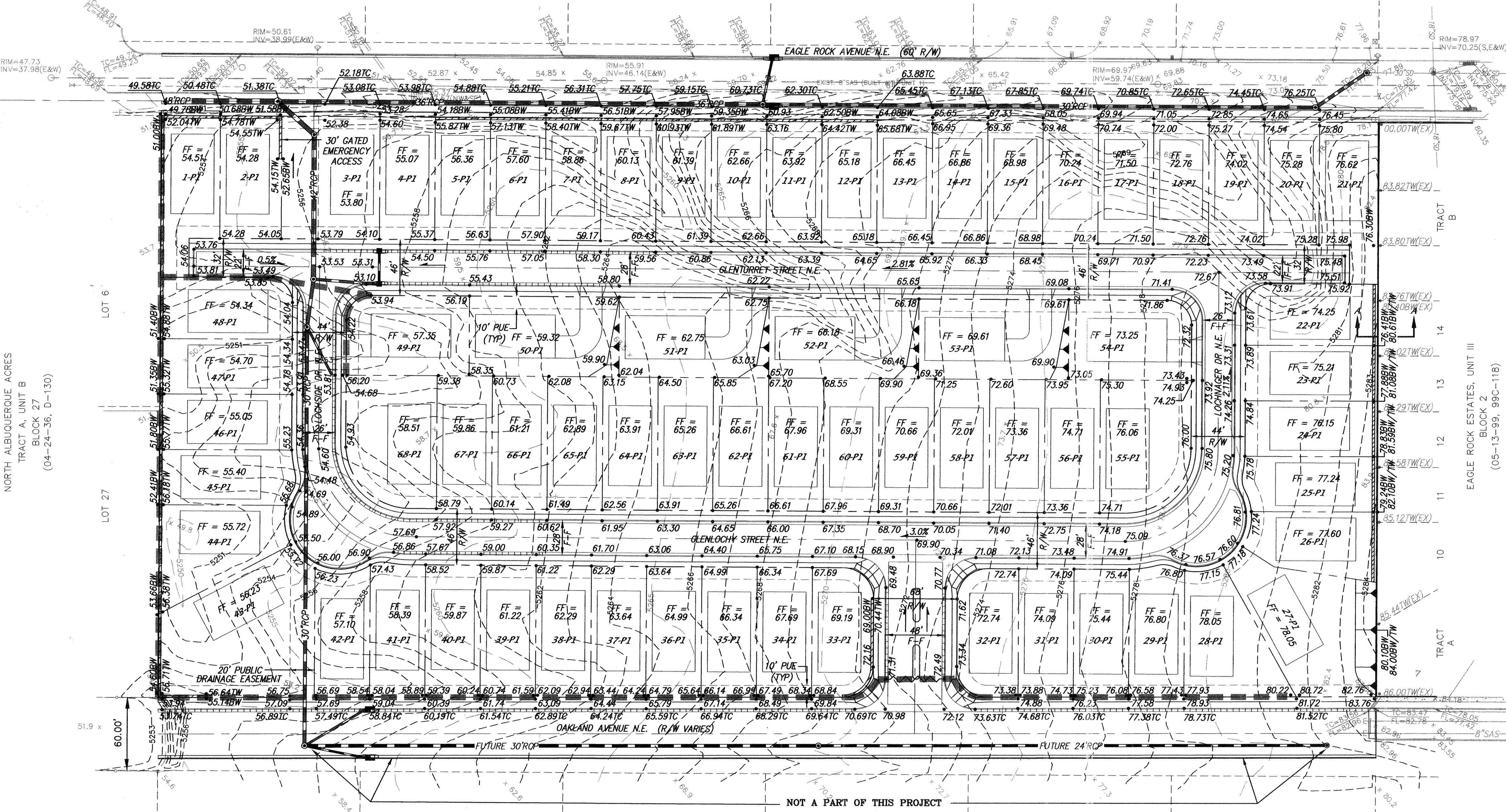


LOCATION MAP
ZONE ATLAS C-18-Z
SCALE: NONE



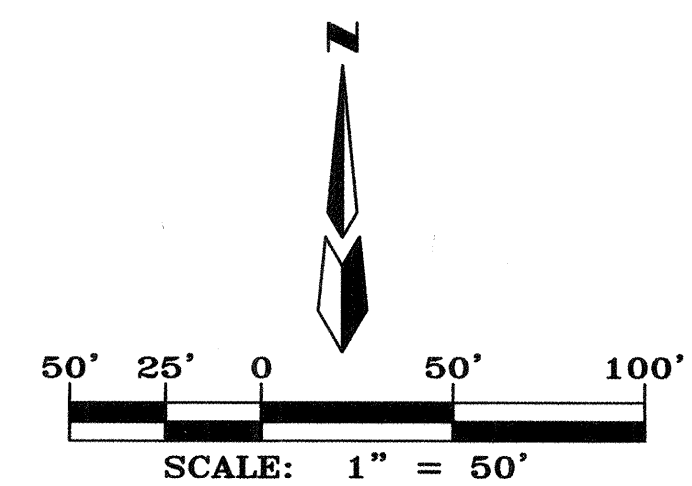
- EROSION CONTROL NOTES**
1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
 2. CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
 3. CONTRACTOR IS RESPONSIBLE FOR CLEANING UP ANY SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.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

SECTION A-A
TREATED TIMBER RETAINING WALL DETAIL
N.T.S.



- NOTES**
1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
 2. CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION SHALL GOVERN ALL WORK.
 3. 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.
 4. 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.
 5. THE EARTHWORK CONTRACTOR SHALL STOCKPILE ENOUGH MATERIAL ADJACENT TO RETAINING WALL LOCATIONS TO BE UTILIZED FOR WALL BACKFILL.
 6. A PERIMETER CMU WALL WILL BE CONSTRUCTED AROUND THE PROJECT SITE. INTERIOR PROPERTY BOUNDARIES WILL BE SEPARATED BY WALLS (SIDEYARDS AND BACK YARDS).
- LEGEND**
- 5270- CONTOUR (MAJOR)
 - 5271- CONTOUR (MINOR)
 - TC= TOP OF CURB
 - FL= FLOWLINE
 - x 00.00 SPOT ELEVATION
 - CONCRETE CURB
 - ASPHALT CURB
 - CONCRETE/SIDEWALK
 - WALL OR HEAD WALL
 - CHAIN LINK FENCE
 - WIRE FENCE
 - SANITARY SEWER MANHOLE
 - WATER VALVE
 - FIRE HYDRANT
 - WATER METER
 - OVERHEAD ELECTRIC LINE
 - POWER POLE
 - GUY WIRE
 - TELEPHONE PEDESTAL
 - STORM SEWER MANHOLE
 - DROP INLET
 - MAILBOX
 - BARRICADE
 - 00.00BW BOTTOM OF RETAINING WALL
 - 00.00TW TOP OF RETAINING WALL
 - FLOW DIRECTION
 - 67.28 NEW SPOT ELEVATION
 - FF = 56.25 FINISH PAD ELEVATION
 - NEW RETAINING WALL
 - NEW STORM DRAIN MANHOLE
 - NEW STORM DRAIN DROP INLET
 - NEW WATER BLOCK
 - NEW MOUNTABLE CURB & GUTTER
 - NEW STANDARD CURB & GUTTER
 - BASIN BOUNDARY

- NOTES**
1. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
 2. CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION SHALL GOVERN ALL WORK.
 3. 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.
 4. 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.
 5. THE EARTHWORK CONTRACTOR SHALL STOCKPILE ENOUGH MATERIAL ADJACENT TO RETAINING WALL LOCATIONS TO BE UTILIZED FOR WALL BACKFILL.
 6. A PERIMETER CMU WALL WILL BE CONSTRUCTED AROUND THE PROJECT SITE. INTERIOR PROPERTY BOUNDARIES WILL BE SEPARATED BY WALLS (SIDEYARDS AND BACK YARDS).
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ALBUQUERQUE, NEW MEXICO 87199
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: **OAKLAND ESTATES
GRADING AND DRAINAGE PLAN**

DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL
LAST DESIGN UPDATE

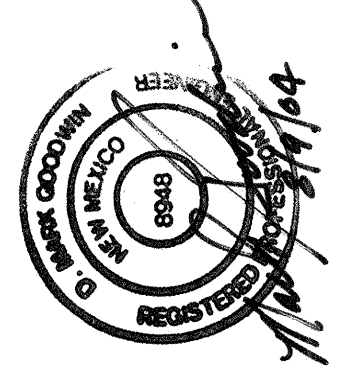
MO./DAY/YR. MO./DAY/YR.

CITY PROJECT NO. **742481** ZONE MAP NO. **C-18-Z** SHEET **3** OF **15**

DESIGNED BY **SD** DATE **01/04**
DRAWN BY **MJR** DATE **01/04**
CHECKED BY **DWG** DATE **01/04**

For Information Only

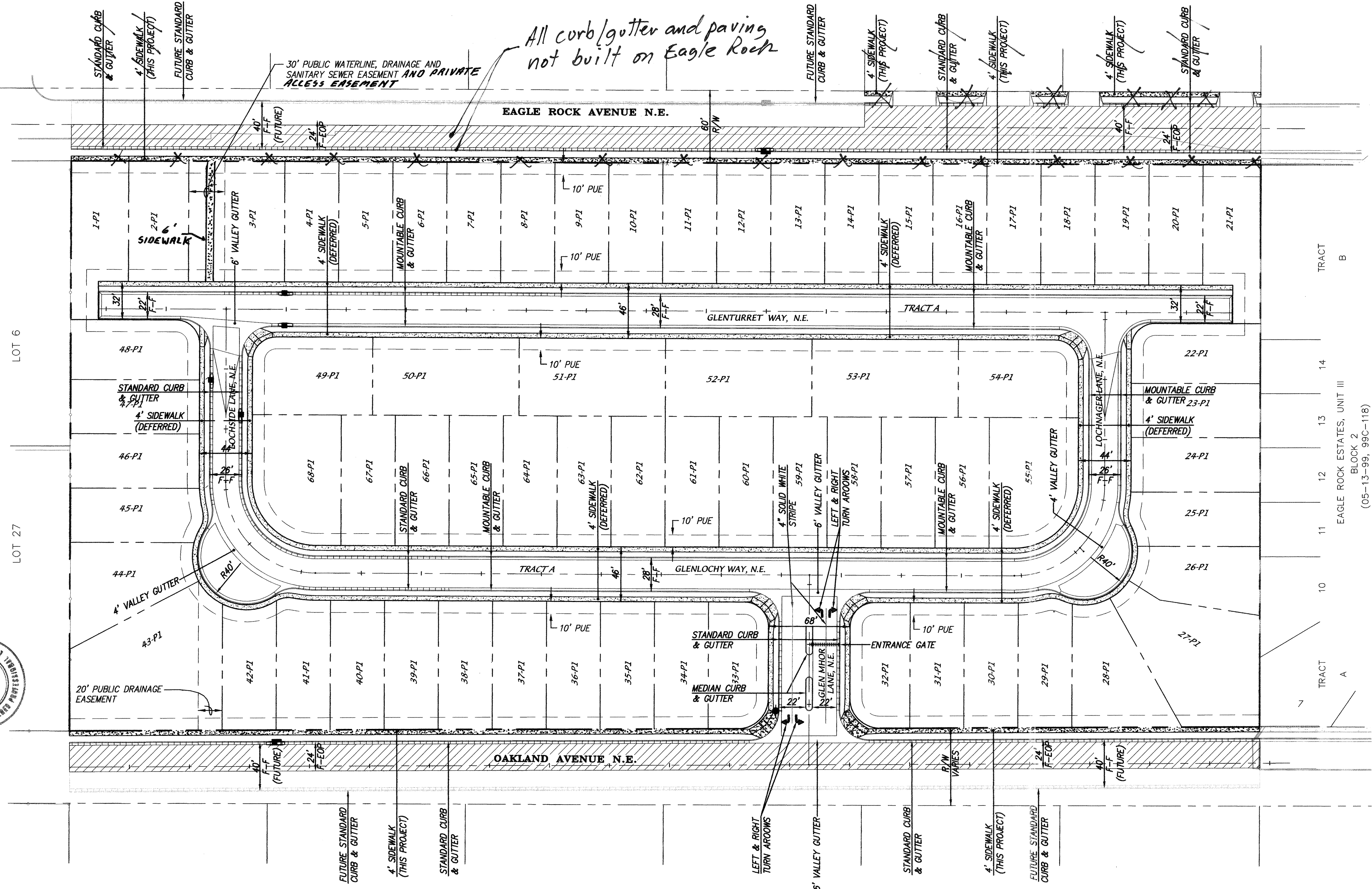
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	WORK STARTED BY	DATE	FIELD NOTES	DATE	NO.	BY
ACS Brass Cap stamped "10-C18"		Located 48' south of the centerline of Alameda Place N.E. And 25.5 Feet east of the centerline of San Pedro Boulevard N.E. Geographic Position (NAD 1927), in feet N.M. State Plane Coordinates (Central Zone) X=402,919.45, Y=1,524,061.42 Elevation=5219.41, NAVD83, in feet					
INSPECTED BY	DATE	FIELD NOTES	DATE				
DEVELOPED BY	DATE						
CORRECTED BY	DATE						
RECORDED BY	DATE						
NO.							



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

John M. MacKenzie, NMPE 11619, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and that the original design intent of the approved plans has been met, except as noted by me on the attached BLOCK 27 (04-24-36, D-130) and survey information provided by Russ Hugg, NMPS 11619, dated 5-20-05.

SCANNED BY PLN

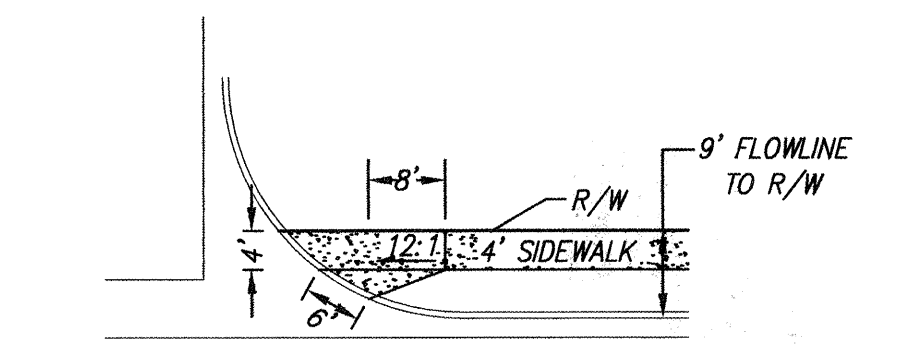


NOTES

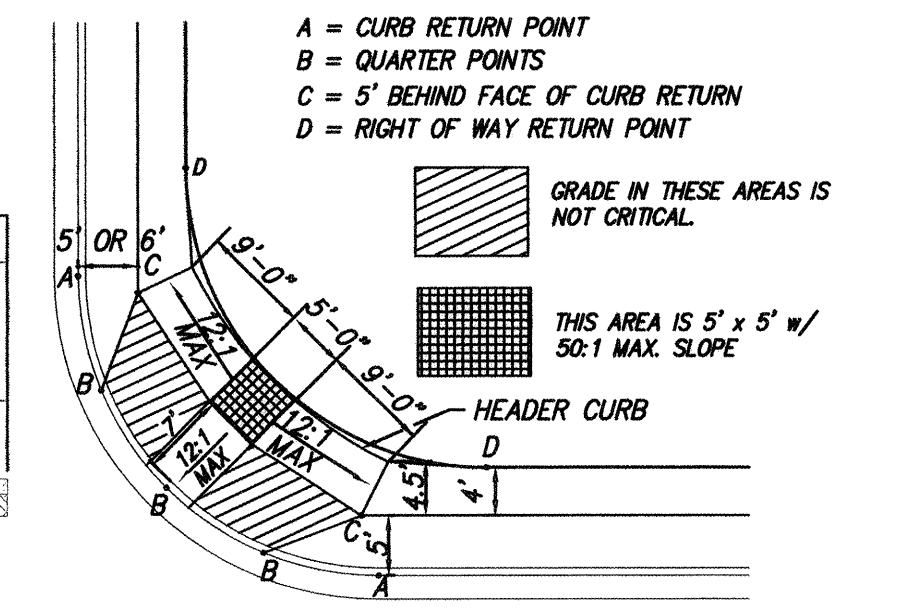
- ALL 4' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2421 AT KNUCKLES AND 6' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2420 AT ALL INTERSECTIONS AND ALL 10' VALLEY GUTTERS PER COA STANDARD DRAWING 2422.
- ALL 4' INTERIOR SIDEWALKS ARE DEFERRED.
- ALL HANDICAP RAMPS TO BE PER DETAIL THIS SHEET UNLESS OTHERWISE NOTED.
- TRANSITION FROM MOUNTABLE CURB TO STANDARD CURB SHALL BE 10' PER COA STANDARD DRAWING 2418.
- TRANSITION SECTION FROM FULL CROWN TO NO CROWN TO BE A MINIMUM OF 50'; PER CITY OF ALBUQUERQUE STANDARD DRAWING 2401 & 25' FOR HALF CROWN.
- ALL SIDEWALKS PER COA STANDARD DRAWING 2430.
- SOIL NOT HAVING A MINIMUM R-VALUE OF 50 WHERE INDICATED ON SECTIONS OF 2 FEET AND REPLACED BY THE CONTRACTOR WITH A SUITABLE MATERIAL OR PAVEMENT SECTION SHALL BE DESIGNED BY THE CONSULTANT ACCORDING TO THE EXISTING R-VALUE PER COA STANDARD SPECIFICATIONS.
- UNI-DIRECTIONAL CURB ACCESS RAMP PER C.O.A. STD. DWG. 2426.

LEGEND

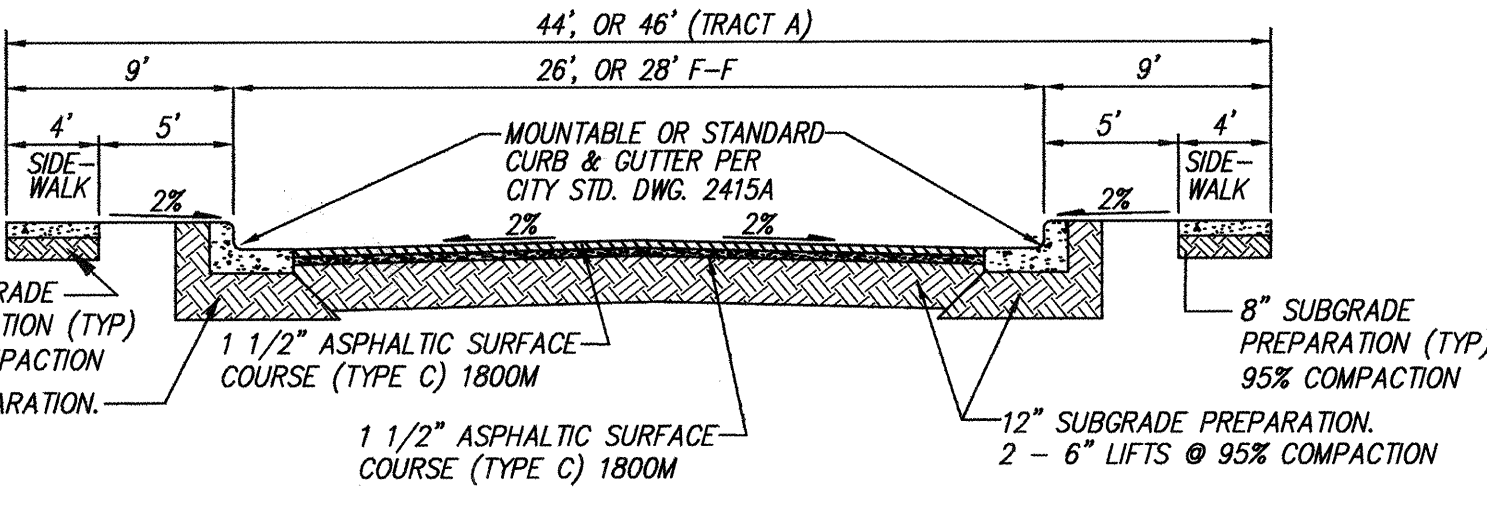
- EXISTING CONCRETE CURB
- EXISTING ASPHALT CURB
- EXISTING CONCRETE/SIDEWALK
- EXISTING WALL OR HEAD WALL
- PROPOSED STANDARD CURB & GUTTER
- FUTURE STANDARD CURB & GUTTER
- PROPOSED MOUNTABLE CURB & GUTTER
- PROPOSED SIDEWALK THIS PROJECT AS PER COA STD DWG 2430
- DEFERRED SIDEWALK
- STORM DRAIN INLET THIS PROJECT
- PROPOSED WHEEL CHAIR RAMP
- PROPOSED LOT LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED CENTERLINE
- EASEMENT LINE
- NEW PAVEMENT
- NEW STREET LIGHT LOCATION



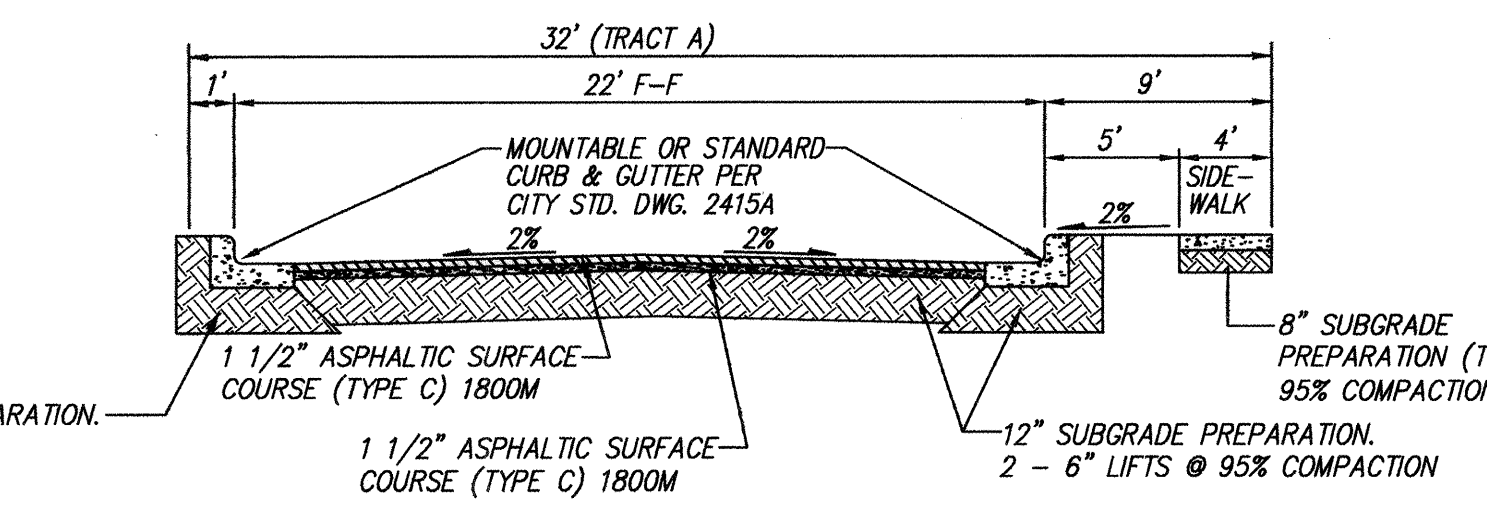
UNI-DIRECTIONAL CURB ACCESS RAMP
PER COA STD DWG 2426. N.T.S.



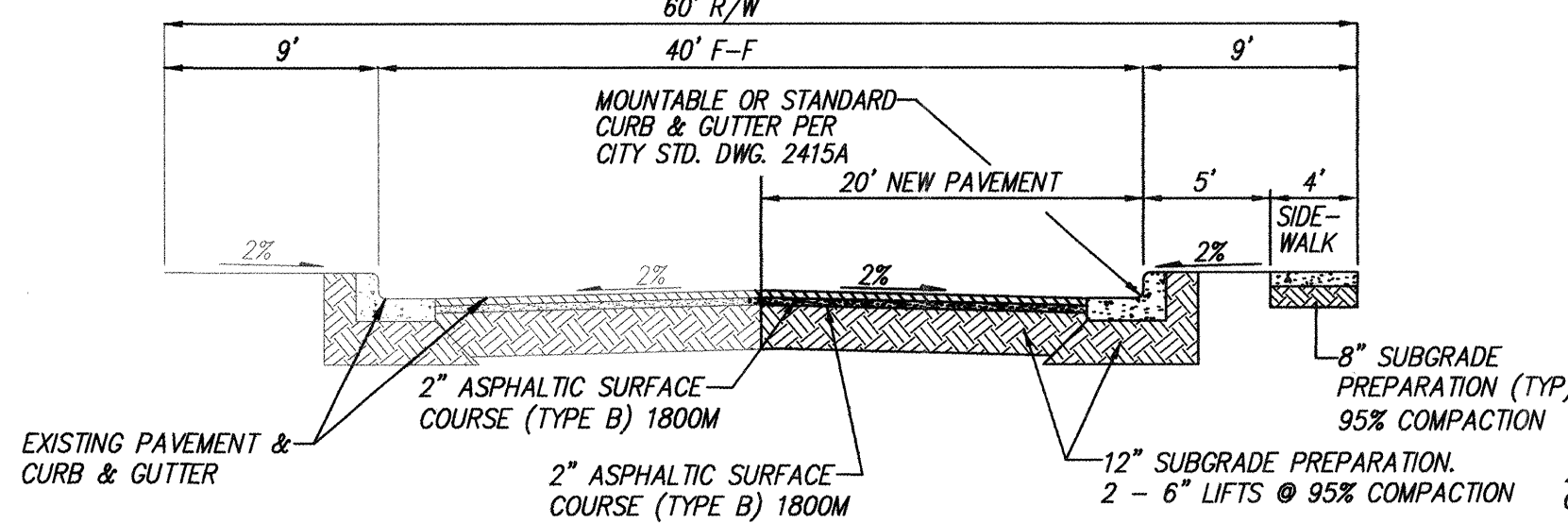
GENERAL WHEEL CHAIR RAMP DETAIL
NOT TO SCALE (MODIFIED C.O.A. STD. DWG #2441)



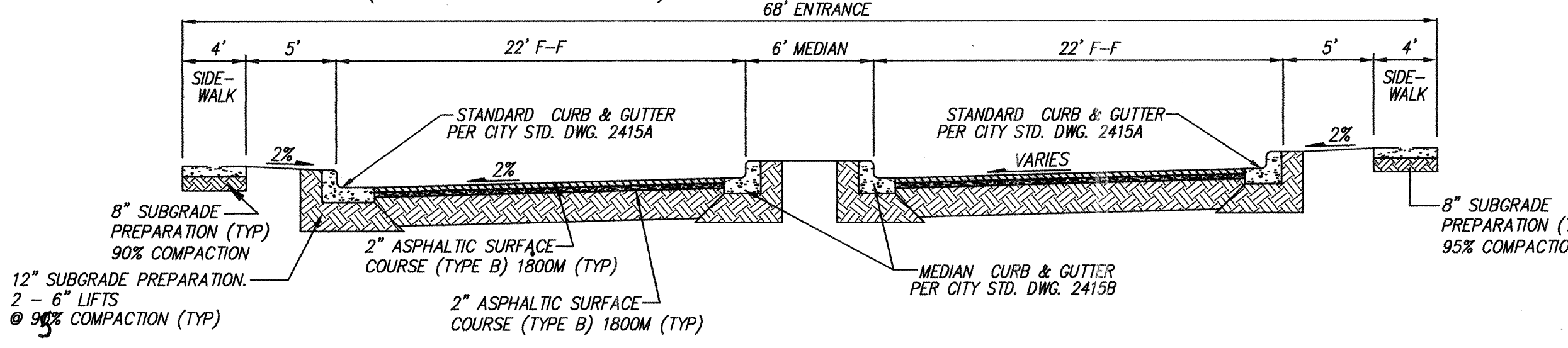
TYPICAL 44', AND 46' STREET SECTION (3" PAVING)
N.T.S. (SEE NOTE 7)



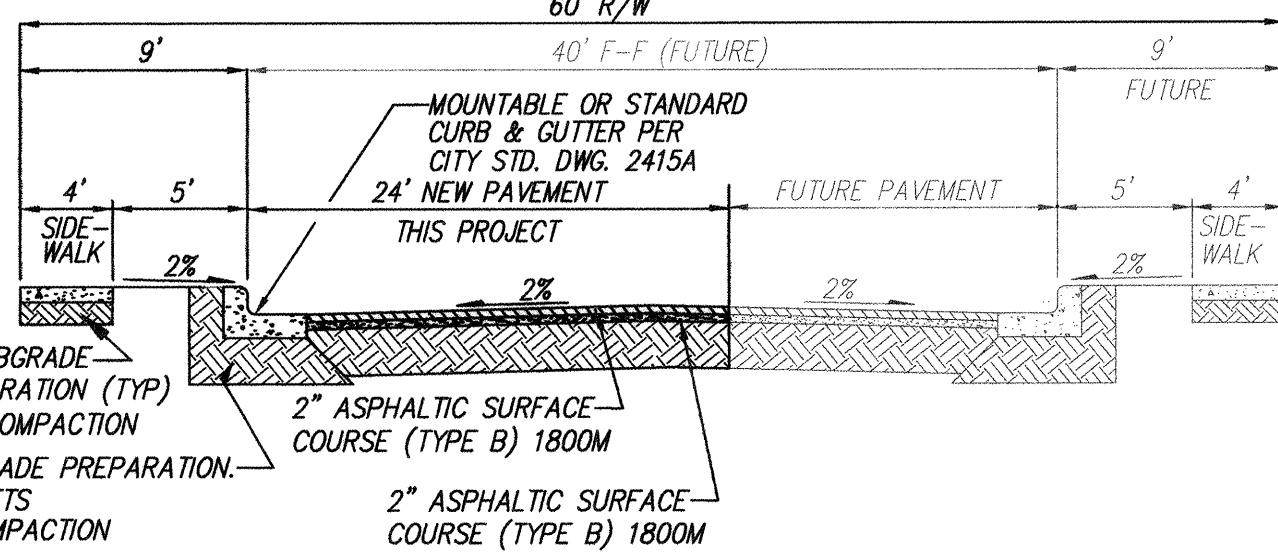
TYPICAL 32' STREET SECTION (3" PAVING)
N.T.S. (SEE NOTE 7)



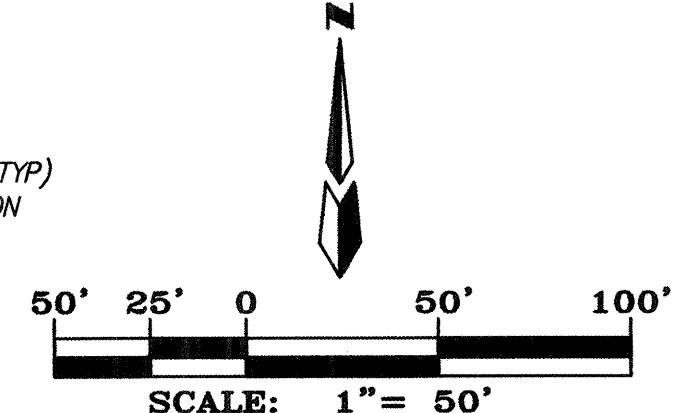
TYPICAL 20' PAVEMENT STREET SECTION (EAGLE ROCK AVE.)
N.T.S. (SEE NOTE 7)
(MATCH PAVEMENT ELEVATION @ CL)



TYPICAL 68' STREET SECTION (ENTRANCE)
N.T.S. (SEE NOTE 7)



TYPICAL 24' PAVEMENT STREET SECTION (OAKLAND AVE.)
N.T.S. (SEE NOTE 7)



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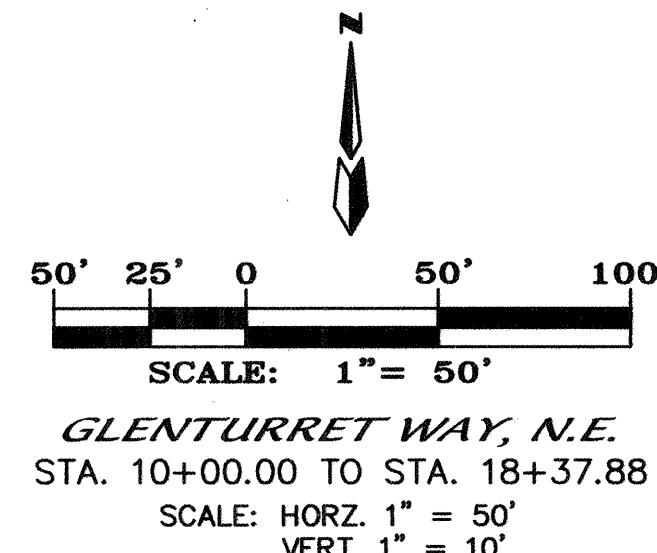
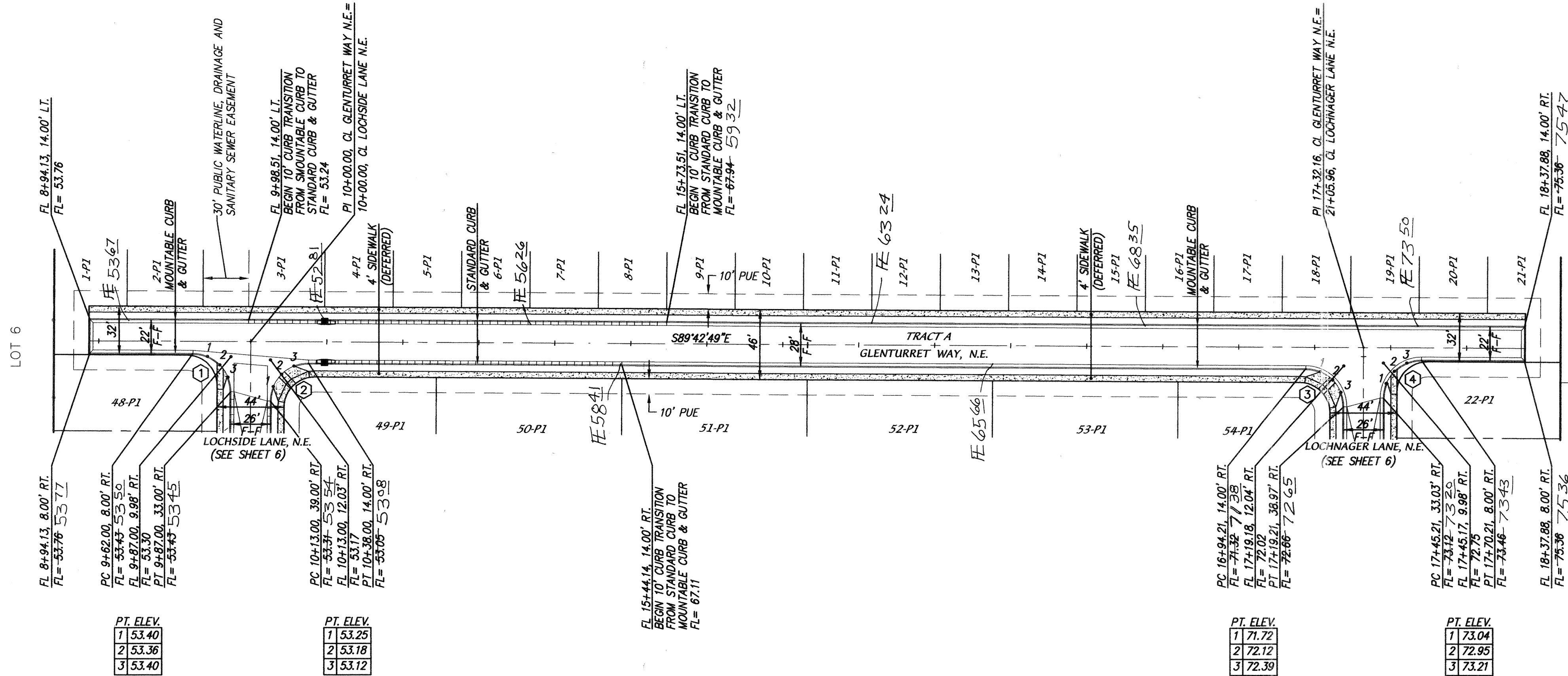
AS BUILT INFORMATION			BENCH MARKS		
CONTRACTOR	DATE	NO.	NO.	DATE	NO.
WORK BY	DATE				
INSPECTED BY	DATE				
ACCEPTANCE BY	DATE				
REVISIONS	DATE				
DESIGNED BY	DATE				
DRAWN BY	DATE				
CHECKED BY	DATE				

John M. MacKenzie
8-24-04

dmg MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS P.O. BOX 90806 ALBUQUERQUE, NEW MEXICO 87199 (505) 828-2200, FAX (505) 797-9539	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT	
TITLE: OAKLAND ESTATES MASTER PAVING PLAN	
DESIGN REVIEW COMMITTEE APPROVE SEP - 7 2004 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL DATE MO/DAY/YR MO/DAY/YR
CITY PROJECT NO. 742481	ZONE MAP NO. C-18-Z
SHEET 4 OF 15	LAST DESIGN UPDATE

SCANNED
BY PLW

NORTH ALBUQUERQUE ACRES
TRACT A, UNIT B
BLOCK 27
(04-24-36, D-130)



NOTES	
1. ALL STATIONING IS CENTERLINE STATIONING.	
CURVE DATA - DESCRIBES FACE OF NEW CURB	
① $\Delta = 89^\circ 59' 50''$ $R = 25.00'$ $L = 39.27'$ $T = 25.00'$	② $\Delta = 90^\circ 00' 10''$ $R = 25.00'$ $L = 39.27'$ $T = 25.00'$
③ $\Delta = 89^\circ 55' 27''$ $R = 25.00'$ $L = 38.24'$ $T = 24.97'$	④ $\Delta = 90^\circ 04' 33''$ $R = 25.00'$ $L = 39.30'$ $T = 25.03'$

AS BUILT INFORMATION	
CONTRACTOR	SABIS
WORK STARTED BY	SURV TEK
DATE	12/16/04
INSPECTED BY	MD
DATE	1/15/05
FIELD STATION BY	SURV TEK
DATE	05/05/05
DRAWING BY	MD
CORRECTED BY	SURV TEK
DATE	05/05/05
MICRO-FILM INFORMATION	
RECORDED BY	
DATE	
NO.	

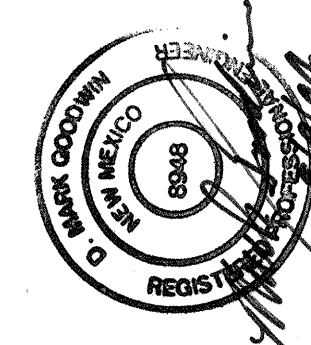
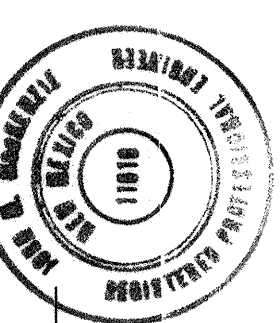
SURVEY INFORMATION	
FIELD NOTES	DATE
NO.	BY
ACROSS Cap stamped "10-018"	
Located 48' south of the centerline of Alameda Place N.E.	
And 25.5 Feet east of the centerline of San Pedro Boulevard N.E.	
Geographic Position (NAD 1927), in feet	
N.M. State Plane Coordinates (Central Zone)	
X=402,319.45, Y=1,524,061.42	
Elevation=5219.41, NGVD29, in feet	

ENGINEER'S SEAL	
NO.	DATE
REMARKS	BY
DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, John M. MacKenzie, NMPE 11619, of the firm, Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer, and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by Russ P. Hugg, NMPS number 9750.

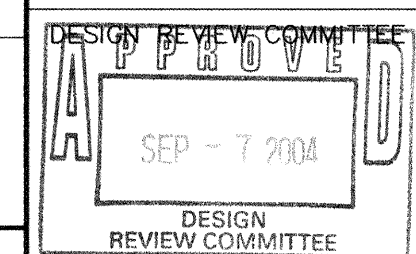
John M. MacKenzie 5-20-05
John M. MacKenzie NMPE 11619



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: OAKLAND ESTATES
GLENTURRET WAY, N.E.
PAVING IMPROVEMENTS



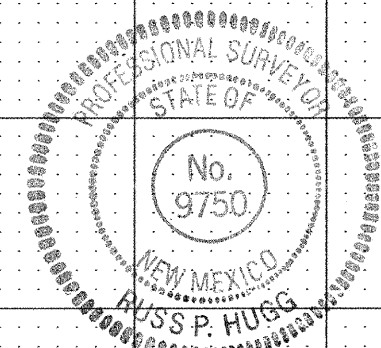
CITY ENGINEER APPROVAL	
LAST DESIGN UPDATE	MO./DAY/YR.
	MO./DAY/YR.

CITY PROJECT NO.	742481	ZONE MAP NO.	C-18-Z	SHEET	OF
				5	15

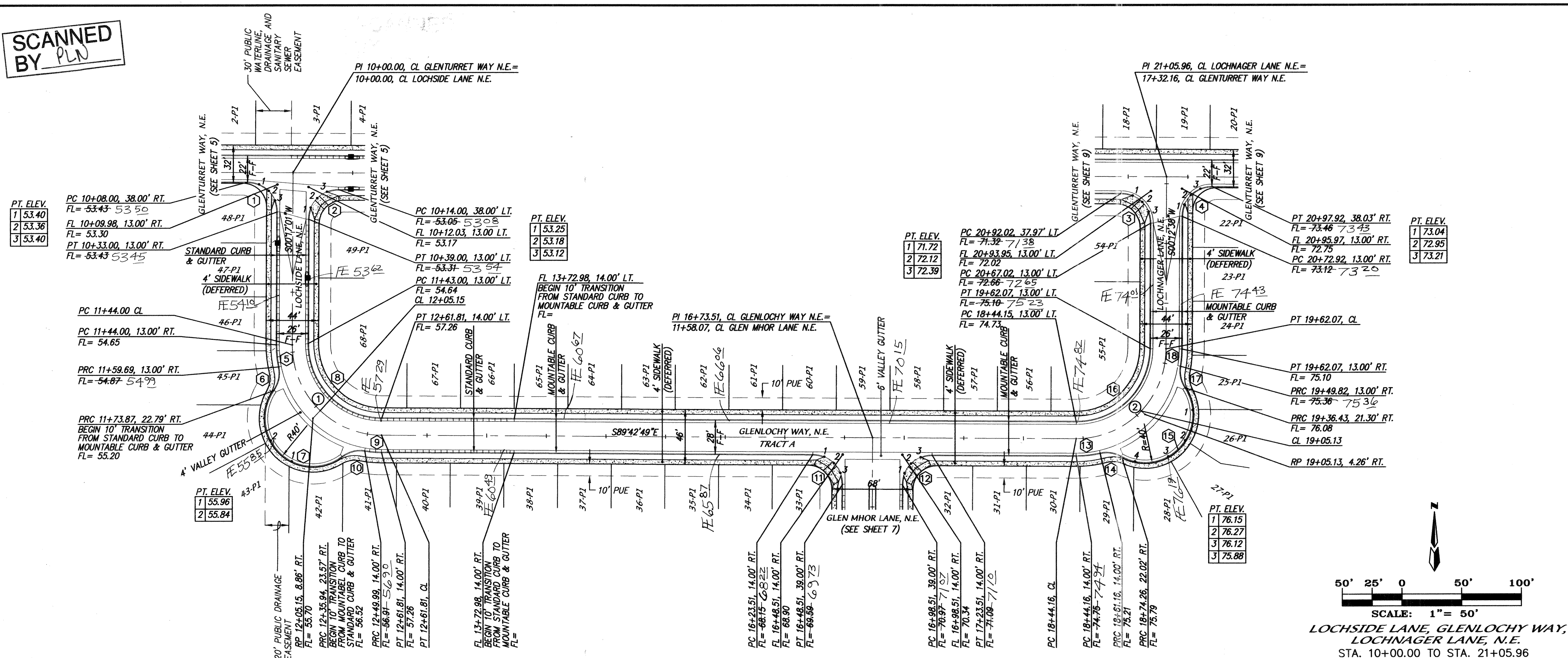
SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750 20.05



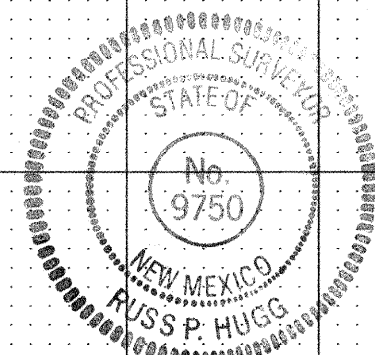
SCANNED
BY PLN



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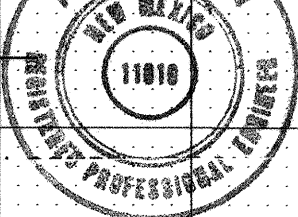
Russ P. Hugg
NMPS No. 9750
E-17, 20 05



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

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John M. MacKenzie 5-20-05
John M. MacKenzie NMPE 11619



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

CURVE DATA - DESCRIBES FACE OF NEW CURB

- ① $\Delta = 89^{\circ}58'50''$
 $R = 25.00'$
 $L = 25.00'$
 $I = 25.00'$
- ② $\Delta = 90^{\circ}00'10''$
 $R = 25.00'$
 $L = 39.27'$
 $I = 25.00'$
- ③ $\Delta = 89^{\circ}55'27''$
 $R = 25.00'$
 $L = 39.24'$
 $I = 24.97'$
- ④ $\Delta = 90^{\circ}04'33''$
 $R = 25.00'$
 $L = 39.30'$
 $I = 25.03'$
- ⑤ $\Delta = 11^{\circ}59'08''$
 $R = 88.00'$
 $L = 18.41'$
 $I = 08.24'$
- ⑥ $\Delta = 47^{\circ}18'18''$
 $R = 25.00'$
 $L = 20.64'$
 $I = 10.95'$
- ⑦ $\Delta = 16^{\circ}25'28''$
 $R = 60.00'$
 $L = 113.70'$
 $I = 265.39'$
- ⑧ $\Delta = 89^{\circ}59'50''$
 $R = 62.00'$
 $L = 97.39'$
 $I = 62.00'$
- ⑨ $\Delta = 09^{\circ}01'44''$
 $R = 89.00'$
 $L = 14.02'$
 $I = 7.30'$
- ⑩ $\Delta = 46^{\circ}34'13''$
 $R = 25.00'$
 $L = 20.32'$
 $I = 10.76'$
- ⑪ $\Delta = 90^{\circ}00'10''$
 $R = 25.00'$
 $L = 39.27'$
 $I = 25.00'$
- ⑫ $\Delta = 90^{\circ}00'10''$
 $R = 25.00'$
 $L = 39.27'$
 $I = 25.00'$
- ⑬ $\Delta = 12^{\circ}58'23''$
 $R = 88.00'$
 $L = 20.13'$
 $I = 10.18'$
- ⑭ $\Delta = 42^{\circ}25'45''$
 $R = 25.00'$
 $L = 18.51'$
 $I = 9.70'$
- ⑮ $\Delta = 153^{\circ}20'31''$
 $R = 40.00'$
 $L = 107.05'$
 $I = 168.83'$
- ⑯ $\Delta = 90^{\circ}04'33''$
 $R = 62.00'$
 $L = 18.37'$
 $I = 62.08'$
- ⑰ $\Delta = 43^{\circ}01'30''$
 $R = 25.00'$
 $L = 18.84'$
 $I = 9.88'$
- ⑱ $\Delta = 09^{\circ}21'17''$
 $R = 88.00'$
 $L = 14.37'$
 $I = 7.20'$

CURVE DATA - DESCRIBES CENTERLINE

① $\Delta = 89^{\circ}59'50''$ ② $\Delta = 90^{\circ}04'33''$
 $R = 75.00'$ $R = 75.00'$
 $L = 117.81'$ $L = 117.91'$
 $T = 75.00'$ $T = 75.10'$

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200 FAX (505) 707-9539



TITLE: **OAKLAND ESTATES**
LOCHSIDE LANE, GLENLOCHY WAY, LOCHNAGER LANE, N.E.
PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE

SEP - 7 2004

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

FAST DESIGN UPDATE

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

CITY PROJECT NO.

ZONE MAP NO.

	SHEET	OF
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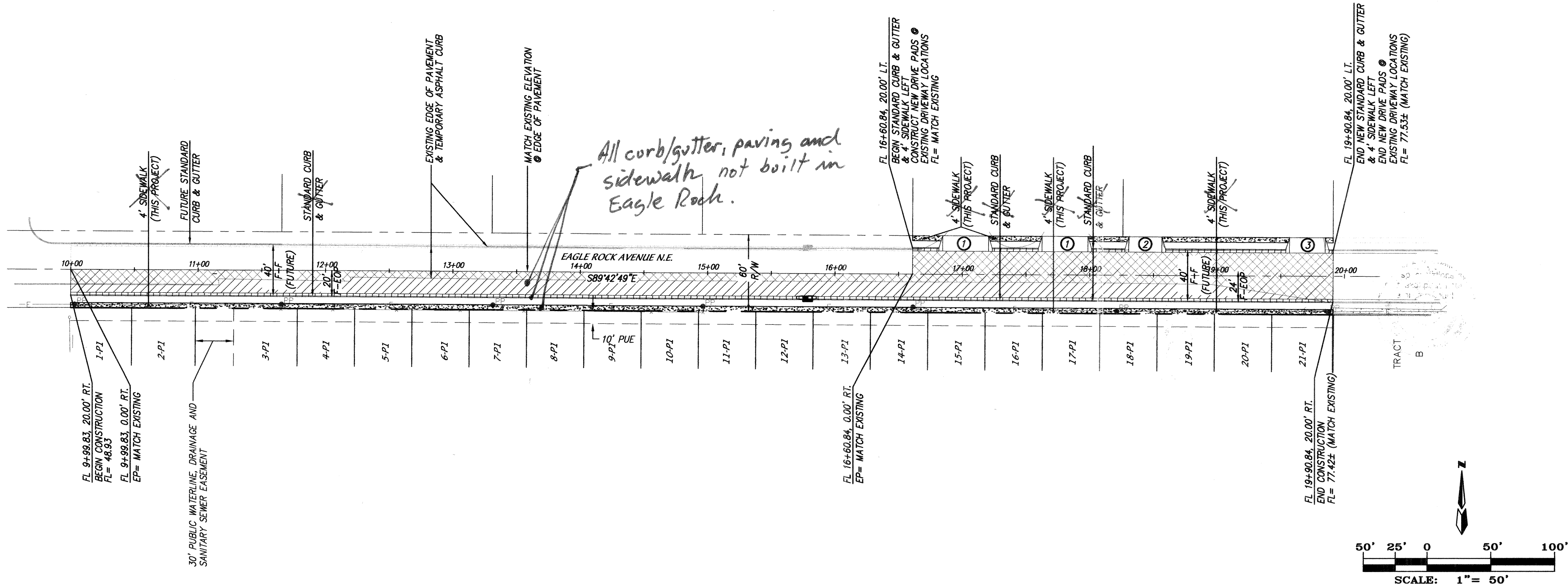
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742481

C-18-Z

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SCANNED
BY PLN

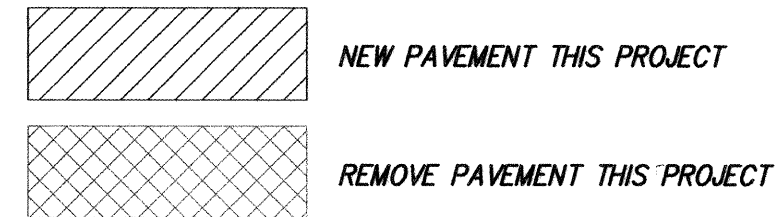


EAGLE ROCK AVENUE, N.E.
STA. 10+00.00 TO STA. 19+90.84
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

NOTES

- ALL STATIONING IS CENTERLINE STATIONING.

LEGEND



DRIVE PAD CONSTRUCTION

REMOVE EXISTING ACCESS DRIVEWAYS. CONSTRUCT NEW CONCRETE DRIVE PADS PER C.O.A. STANDARD DWG #2425.

- CONSTRUCT NEW 35' DRIVE PAD
- CONSTRUCT NEW 24' DRIVE PAD
- CONSTRUCT NEW 28' DRIVE PAD

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, John M. MacKenzie, NMPE 11619, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the information contained herein is true and correct, and that 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 Russ Hugg, NMPS number 9750.

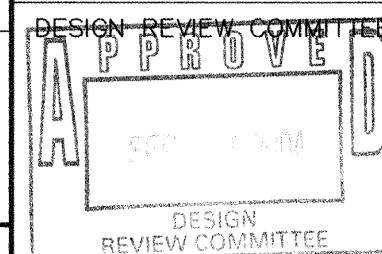
John M. MacKenzie
NMPE 11619

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: **OAKLAND ESTATES
EAGLE ROCK AVENUE, N.E.
PAVING IMPROVEMENTS**



CITY ENGINEER APPROVAL

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

CITY PROJECT NO.

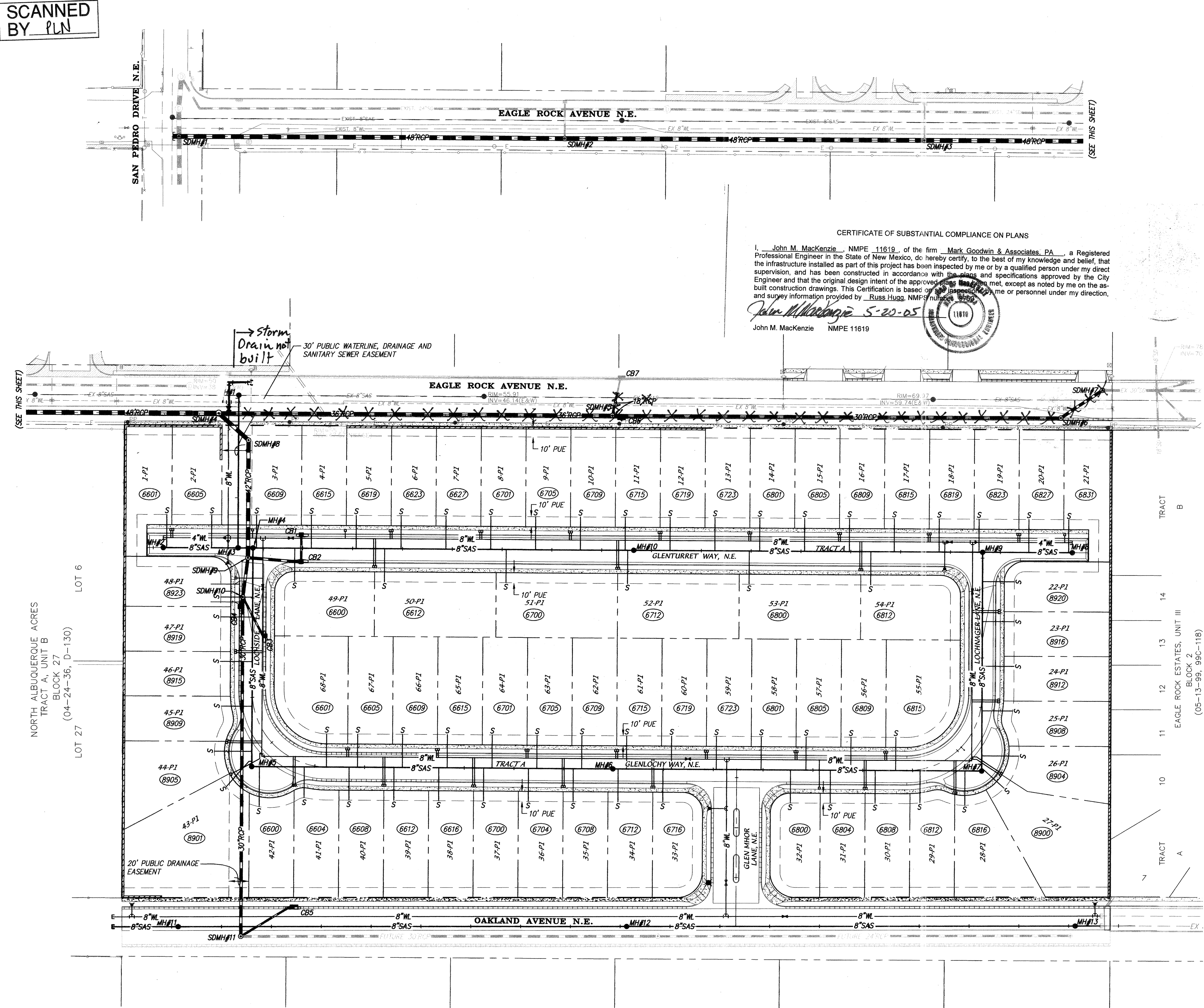
ZONE MAP NO.

SHEET OF

742481

C-18-Z 8 15

SCANNED
BY PLN



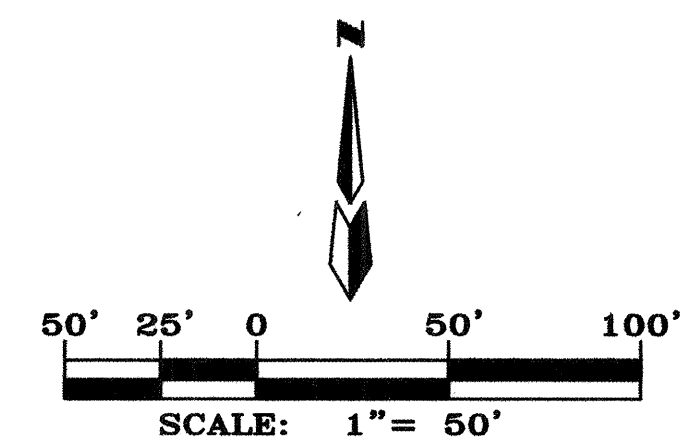
NOTES

WATER SHUT-OFF PLAN

- CONTRACTOR WILL CONTACT WATER SYSTEMS AT 857-8200 7 DAYS PRIOR TO NECESSARY SHUT-OFF.
- VALVES SHALL ONLY BE OPERATED BY CITY WATER EMPLOYEES.
- FOR NON-PRESSURE CONNECTION AT OAKLAND AVENUE, SHUT OFF 8" VALVE IN OAKLAND AVE APPROXIMATELY 26' WEST OF OLIVINE STREET.
- FOR NON-PRESSURE CONNECTION AT EAGLE ROCK AVENUE, SHUT OFF 8" VALVE IN EAGLE ROCK AVE APPROXIMATELY 110' WEST OF CONNECTION. SHUT OFF 8" VALVE IN EAGLE ROCK AVE APPROXIMATELY 28' WEST OF OBSIDIAN ST. INTERSECTION.

LEGEND

- EXISTING CURB & GUTTER
- EXISTING ASPHALT CURB
- EXISTING CONCRETE/SIDEWALK
- PROPOSED/EXISTING EASEMENT LINE
- EXIST. 8" SAS
- EXIST. 8" ML
- EXIST. 8" W
- EXIST. WATER GATE VALVE
- EXIST. FIRE HYDRANT
- EXIST. CAP
- EXIST. POWER POLE
- EXIST. ELECTRIC LINE
- EXIST. TELEPHONE PEDESTAL
- EXIST. INLET
- EXIST. STORM DRAIN LINE
- EXIST. STORM DRAIN MANHOLE
- 8" SAS
- 8" ML
- PROPOSED SINGLE WATER METER
- PROPOSED DOUBLE WATER METER
- PROPOSED WATER GATE VALVE
- PROPOSED FIRE HYDRANT
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN LINE
- PROPOSED STORM DRAIN INLET
- PROPOSED STREET ADDRESS
- PROPOSED STREET LIGHT



dmg

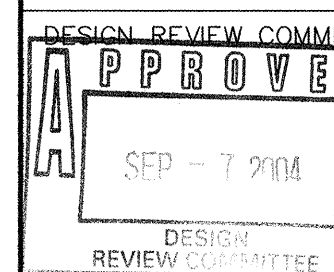
MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE:

OAKLAND ESTATES
MASTER UTILITY PLAN



CITY ENGINEER APPROVAL

LAST DESIGN UPDATE

REVISIONS

DESIGN

DATE

DATE

DATE

DATE

CITY PROJECT NO.

742481

ZONE MAP NO.

C-18-Z

SHEET

OF

9

15

AS BUILT INFORMATION

CONTRACTOR

DATE

INSPECTOR

DATE

DATE

DATE

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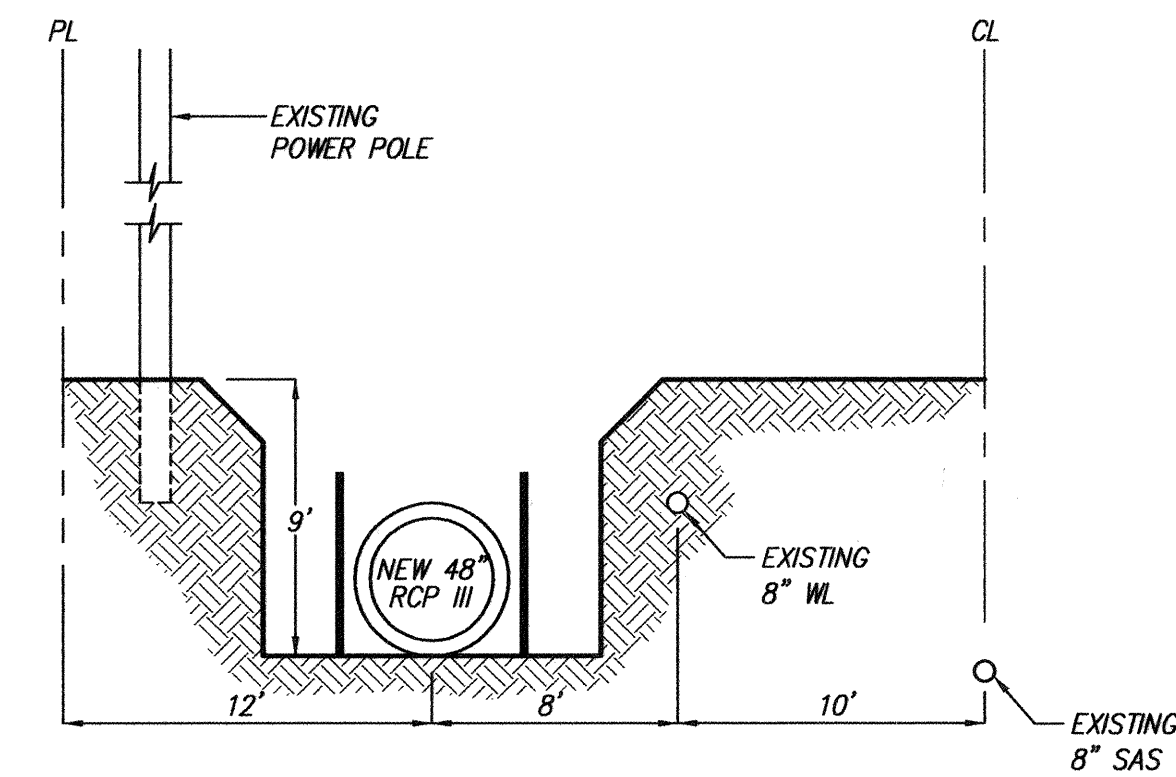
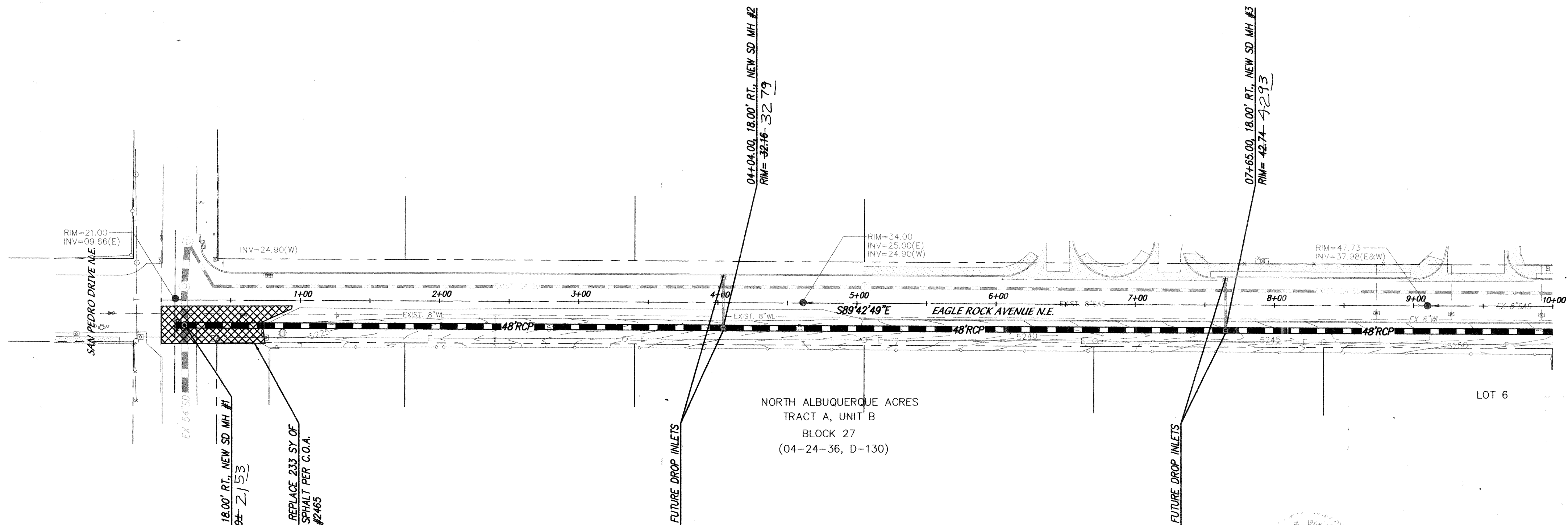
NO.

NO.

SCANNED
BY PLN

NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.



NEW 48" RCP TRENCH PRISM WITH 6' TRENCH BOX

N.T.S.

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

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John M. MacKenzie NMPE 11619

50' 25' 0 50' 100'

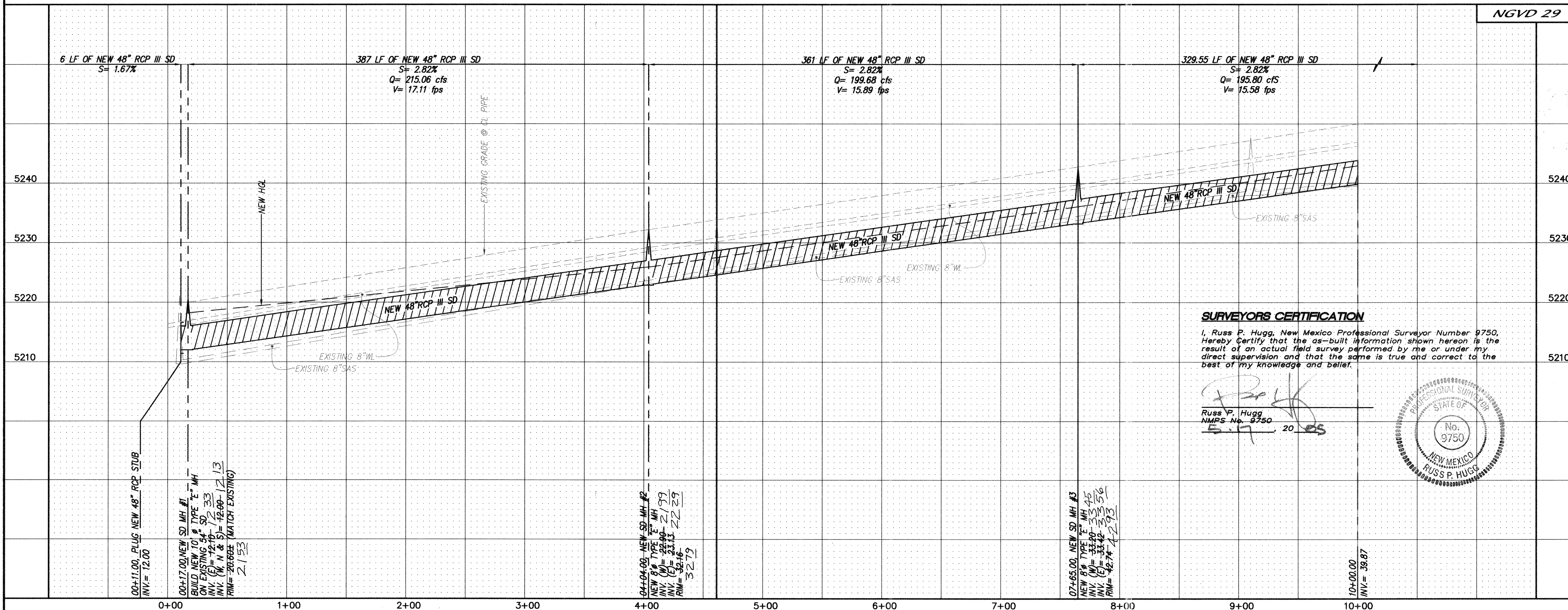
SCALE: 1" = 50'

EAGLE ROCK AVENUE, N.E.

STA. 10+00.00 TO STA. 21+00.00

SCALE: HORIZ. 1" = 50'

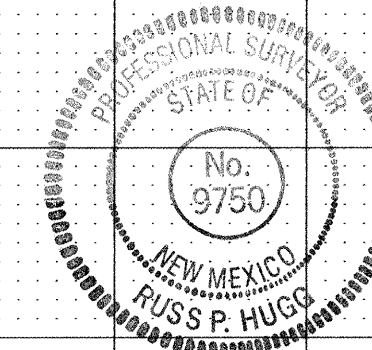
VERT. 1" = 10'



SURVEYORS CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugg
NMPS No. 9750



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: OAKLAND ESTATES
EAGLE ROCK AVENUE, N.E.
UTILITY IMPROVEMENTS



CITY ENGINEER APPROVAL

LAST DESIGN UPDATE

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

CITY PROJECT NO.

742481

ZONE MAP NO.

C-18-Z

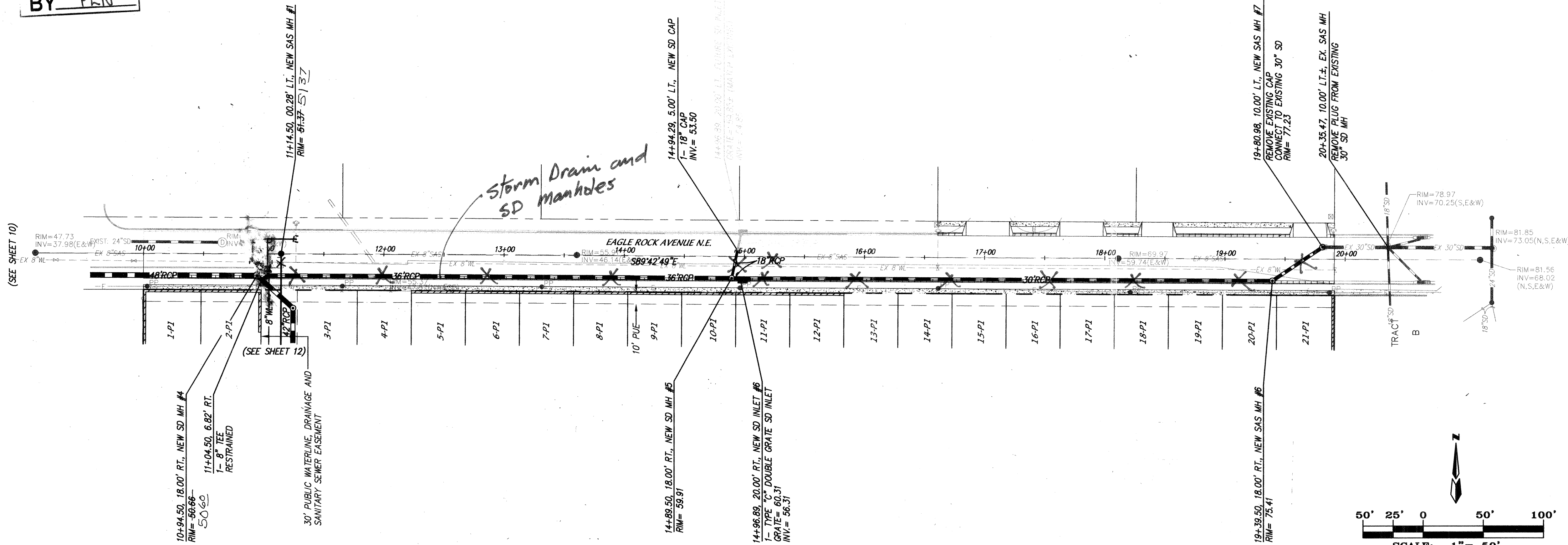
SHEET

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SCANNED BY PLN

(SEE SHEET 10)



SCALE: 1" = 50'
EAGLE ROCK AVENUE, N.E.
STA. 10+00.00 TO STA. 19+80.98
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

NOTES

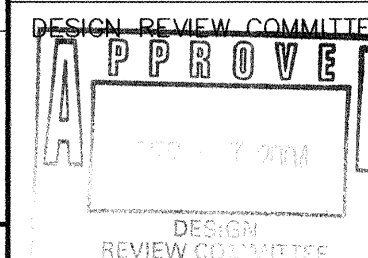
1. ALL STATIONING IS CENTERLINE STATIONING

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John M. MacKenzie NMPE 11619
5-20-05

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: OAKLAND ESTATES
EAGLE ROCK AVENUE, N.E.
UTILITY IMPROVEMENTS



CITY ENGINEER APPROVAL

CITY PROJECT NO.

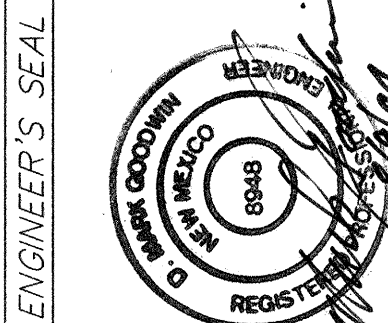
742481

ZONE MAP NO.

C-18-Z

SHEET

11 OF 15



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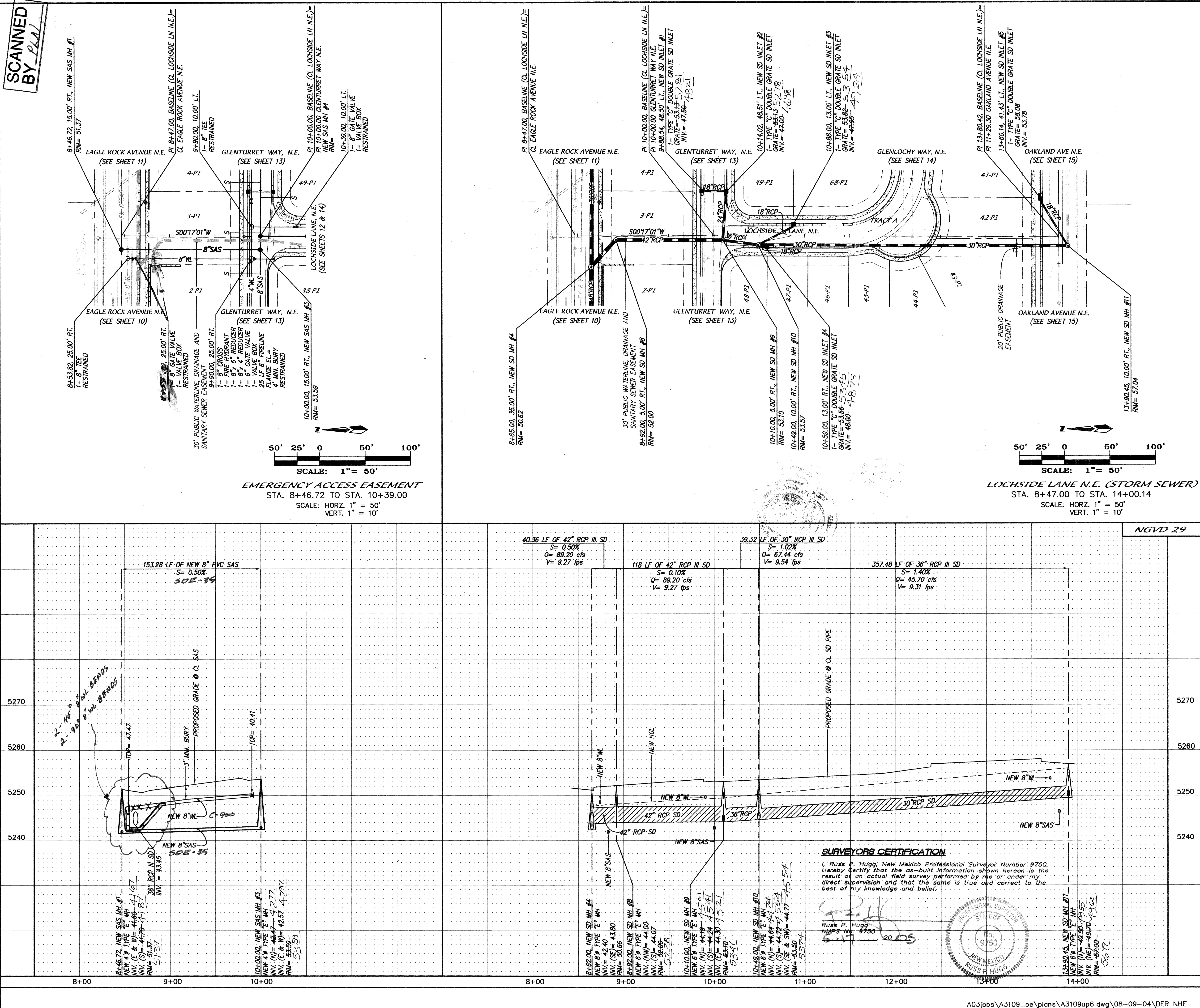
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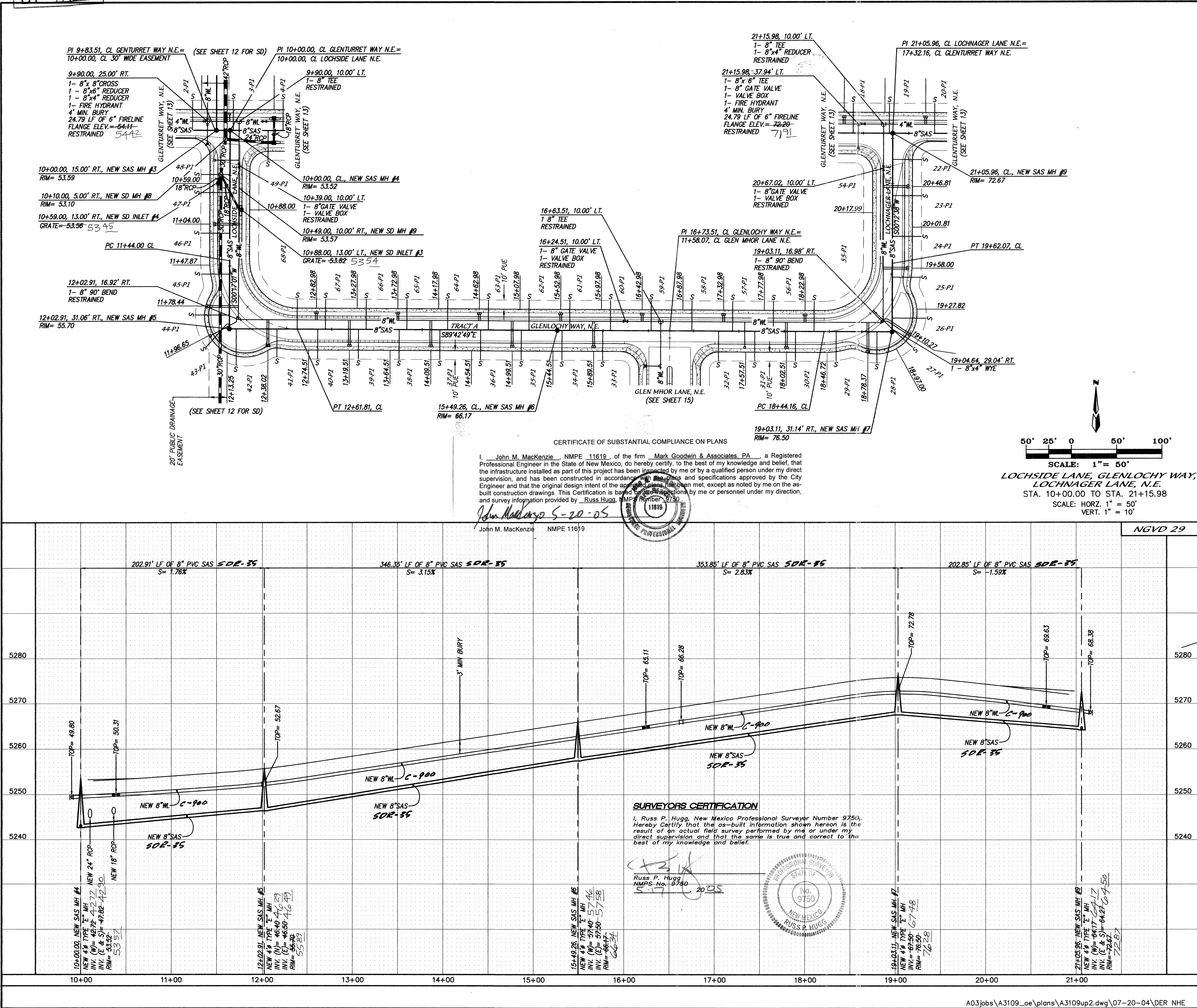
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SCANNED
BY: PLU



NOTES			
1. ALL STATIONING IS CENTERLINE STATIONING FROM PROJECTED CENTERLINE OF LOCHSIDE LANE N.E.			
AS BUILT INFORMATION CONTRACTOR: SURUTEK WORK STATIONED BY: SURUTEK DATE: 12/04 FIELD ACCEPTANCE BY: PLU DATE: 12/04 FIELD REVISION BY: SURUTEK DATE: 05/05 DRAWINGS CORRECTED BY: SURUTEK DATE: 05/05 MICRO-FILM INFORMATION RECORDED BY: PLU DATE: 05/05 NO.		BENCH MARKS ACS Brass Cap stamped "10-C18" Located 48' south of the centerline of Alameda Place N.E. And 23.5 feet east of the centerline of San Pedro Boulevard N.E. Geographic Position (NAD 1927), in feet N.M. State Plane Coordinates (Central Zone) X=402,319.45, Y=1,324,061.42 Elevation=5219.41, NGVD29, in feet	
SURVEY INFORMATION FIELD NOTES NO. BY DATE NO. BY DATE		ENGINEER'S SEAL NO. DATE REMARKS NO. DATE REVISIONS NO. DATE DESIGN DESIGNED BY: JSJ DATE: 04/04 DRAWN BY: DER DATE: 04/04 CHECKED BY: DWG DATE: 04/04	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT TITLE: OAKLAND ESTATES LOCHSIDE LANE N. E. & EASEMENTS UTILITY IMPROVEMENTS DESIGN REVIEW COMMITTEE: PLU CITY ENGINEER APPROVAL: PLU LAST DESIGN UPDATE: PLU CITY PROJECT NO. 742481 ZONE MAP NO. C-18-Z SHEET 12 OF 15			



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

SANITARY SEWER SERVICES				
BLOCK	LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
22-P1	20+76.91	67.37	32.00'	
23-P1	20+36.81	68.39	32.00'	
24-P1	19+91.81	69.45	32.00'	
25-P1	19+51.34	70.30	30.91'	
26-P1	19+25.11	70.72	37.20'	
27-P1	19+05.33	70.79	30.24'	
28-P1	18+80.89	70.58	34.47'	
29-P1	18+53.45	69.96	32.16'	
30-P1	18+12.51	68.73	33.00'	
31-P1	17+67.51	67.38	33.00'	
32-P1	17+27.51	66.18	33.00'	
33-P1	15+99.51	62.34	33.00'	
34-P1	15+54.49	60.99	33.00'	
35-P1	15+08.49	59.64	33.00'	
36-P1	14+64.49	58.29	33.00'	
37-P1	14+19.49	56.94	33.00'	
38-P1	13+74.49	55.59	33.00'	
39-P1	13+29.49	54.24	33.00'	
40-P1	12+84.49	52.92	33.00'	
41-P1	12+46.23	51.77	30.83'	
42-P1	12+22.15	51.24	40.17'	
43-P1	12+00.91	50.63	32.62'	
44-P1	11+80.75	50.21	37.49'	
45-P1	11+54.55	49.79	30.94'	
46-P1	11+14.00	49.24	32.00'	
47-P1	10+69.00	48.63	32.00'	
48-P1	10+49.00	48.41	32.00'	
49-P1	18+32.98	69.34	33.00'	
50-P1	17+87.98	67.99	33.00'	
51-P1	17+42.98	66.64	33.00'	
52-P1	16+97.98	65.29	33.00'	
53-P1	16+52.98	63.85	33.00'	
54-P1	16+07.98	62.59	33.00'	
55-P1	15+62.98	61.24	33.00'	
56-P1	15+17.98	59.95	33.00'	
57-P1	14+72.98	58.54	33.00'	
58-P1	14+27.98	57.19	33.00'	
59-P1	13+82.98	55.84	33.00'	
60-P1	13+37.98	54.49	33.00'	
61-P1	12+92.98	53.14	33.00'	
62-P1	12+47.98	51.79	33.00'	
63-P1	12+02.98	50.44	33.00'	
64-P1	11+57.98	49.09	33.00'	
65-P1	11+12.98	47.74	33.00'	
66-P1	10+67.98	46.39	33.00'	
67-P1	10+22.98	45.04	33.00'	
68-P1	9+77.98	43.69	33.00'	

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)					
PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	3'	2'	46'
8"	22'	9'	4'	2'	60'

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
8" X 6"	25'	33'

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

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



TITLE: OAKLAND ESTATES
LOCHSIDE LANE, GLENLOCHY WAY, LOCHNAGER LANE, N.E.
UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	DATE	MO./DAY/YR.
SEP - 7 2004			

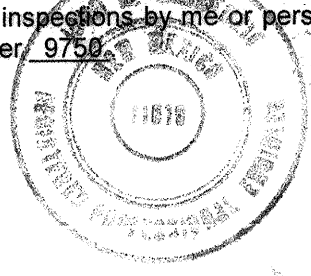
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
742481	C-18-Z	14	15

SCANNED BY PLN

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

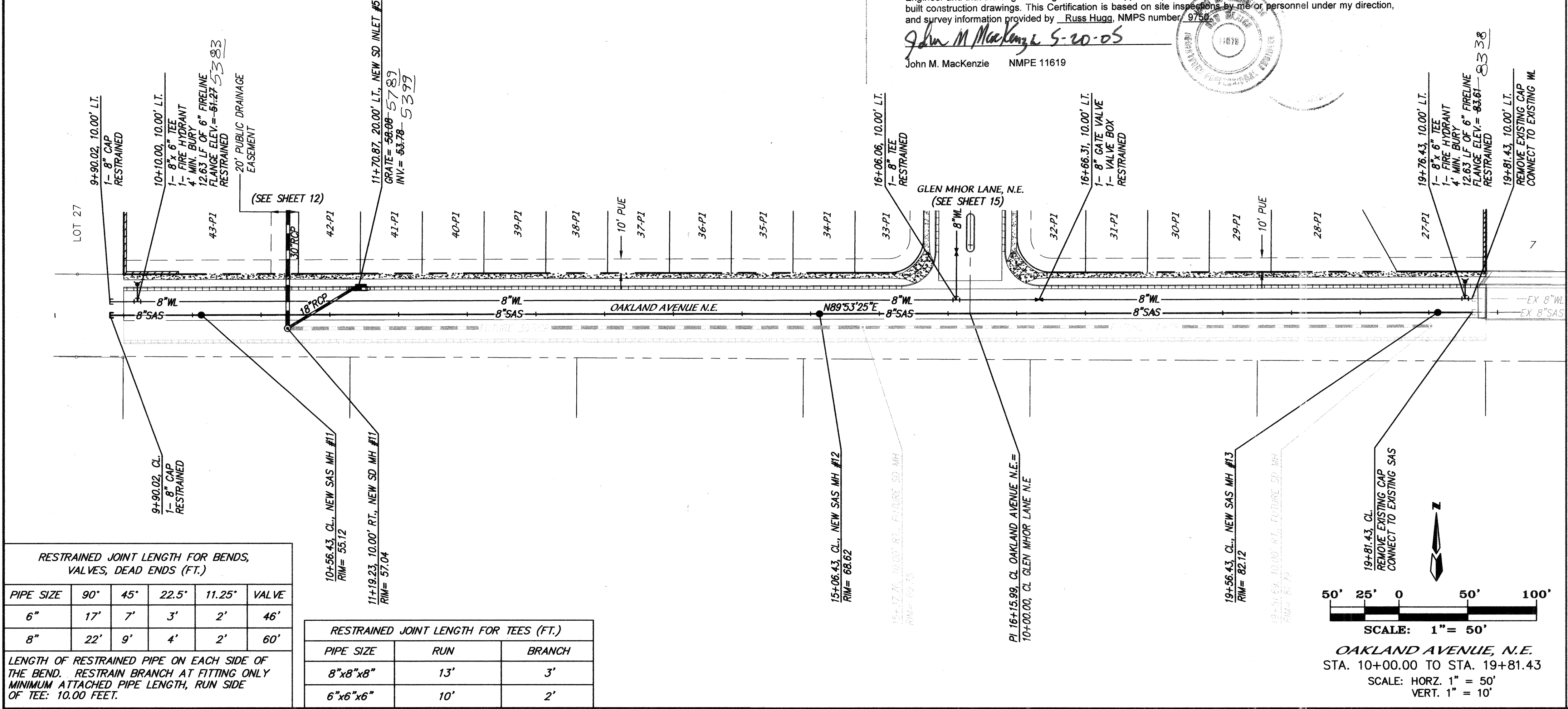
I, John M. MacKenzie, NMPE 11619, of the firm Mark Goodwin & Associates, P.A., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision, and has been constructed in accordance with the plans and specifications approved by the City Engineer, and that the original 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 Russ Hugo, NMPS number 9750.

John M. MacKenzie 5-20-05
John M. MacKenzie NMPE 11619



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.



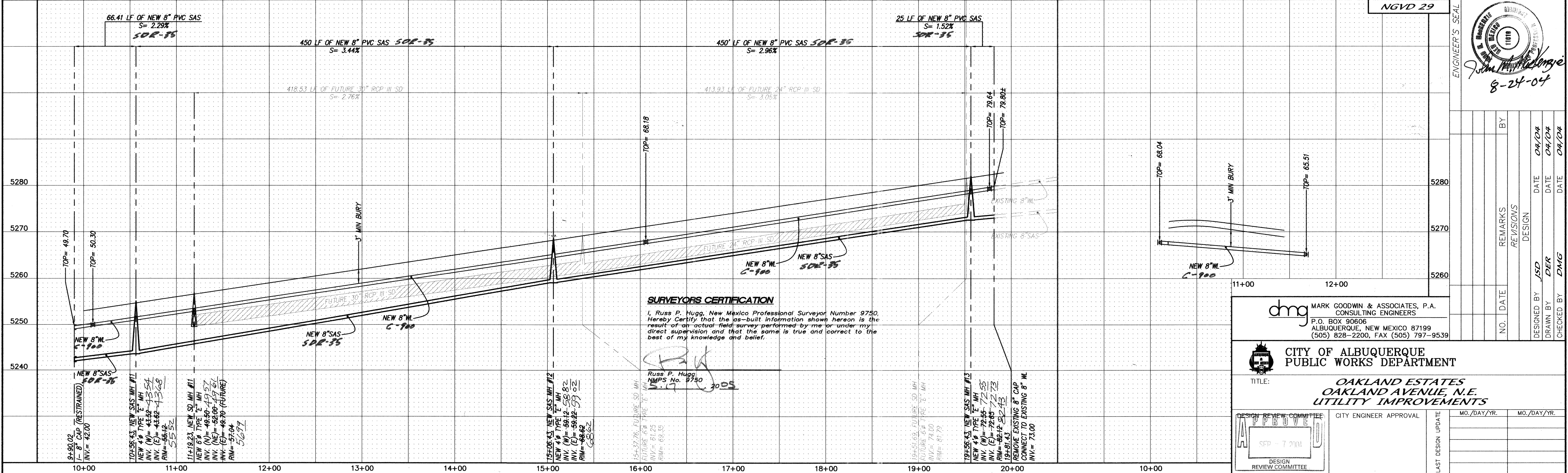
RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)

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RESTRAINED JOINT LENGTH FOR TEES (FT.)

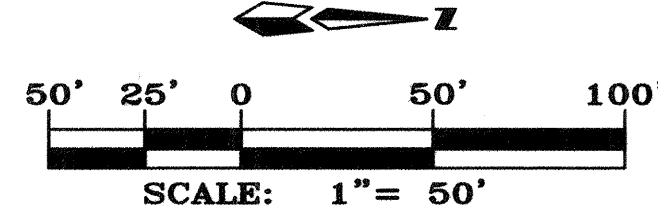
PIPE SIZE	RUN	BRANCH
8"x8"x8"	13'	3'
6"x6"x6"	10'	2'



SURVEYORS CERTIFICATION

I, Russ P. Hugo, New Mexico Professional Surveyor Number 9750, Herby Certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief.

Russ P. Hugo
NMPS No. 9750
5-17-05



GLEN MHOR LANE, N.E.
STA. 10+00.00 TO STA. 11+68.06
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'

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



DESIGN REVIEW COMMITTEE

NO.	DATE	REMARKS	BY
1	04/04	DESIGN	JSD
2	04/04	REVISIONS	DER
3	04/04	DESIGN	DMG

CITY PROJECT NO. 742481 ZONE MAP NO. C-18-Z SHEET 15 OF 15



8-24-04

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	04/04	DESIGN	JSD
2	04/04	REVISIONS	DER
3	04/04	DESIGN	DMG

AS-BUILT INFORMATION

CONTRACTOR	WORK	DATE
dmg	AS-BUILT	04/04

RECORDING INFORMATION

NO.	DATE
1	04/04