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SCANNED BY
PLANNING

CONSTRUCTION PLANS FOR VILLAS LAS MAÑANITAS SUBDIVISION

PAVING AND UTILITY IMPROVEMENTS

CITY OF ALBUQUERQUE
NEW MEXICO
JANUARY, 2007

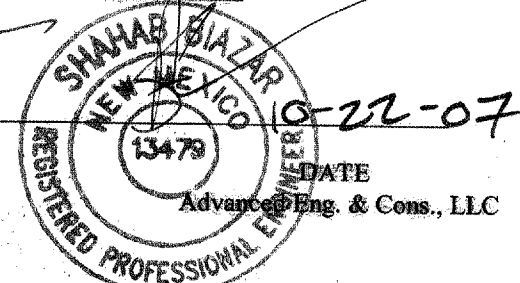
INDEX TO DRAWINGS

1. TITLE SHEET
2. PLAT
3. GRADING AND DRAINAGE PLAN (INFORMATION ONLY)
4. MAÑANITAS LANE / WILDER LANE STREET IMPROVEMENTS
- 4A. INDIAN SCHOOL BIKE LANE STRIPING
- 5R MAÑANITAS LANE STORM DRAIN IMPROVEMENTS
- 6R MAÑANITAS LANE / WILDER LANE UTILITY IMPROVEMENTS
7. RIO GRANDE UTILITY IMPROVEMENTS

RECORD DRAWING

I, SHAHAB BIAZAR, OF THE FIRM OF ADVANCED ENGINEERING AND CONSULTING, LLC 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 LEONARD MARTINEZ OF ADVANCED ENGINEERING, LLC NMPS NUMBER 2801.

SHAHAB BIAZAR, PE
NMPE NO. 13479



APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
Anthony Gr. J.
DATE: 12/13/07

RECORD DRAWINGS

DRAWING: 200606-TITLE DRAWN BY: JT DATE: 1-10-07

WATER SYSTEMS NOTES:

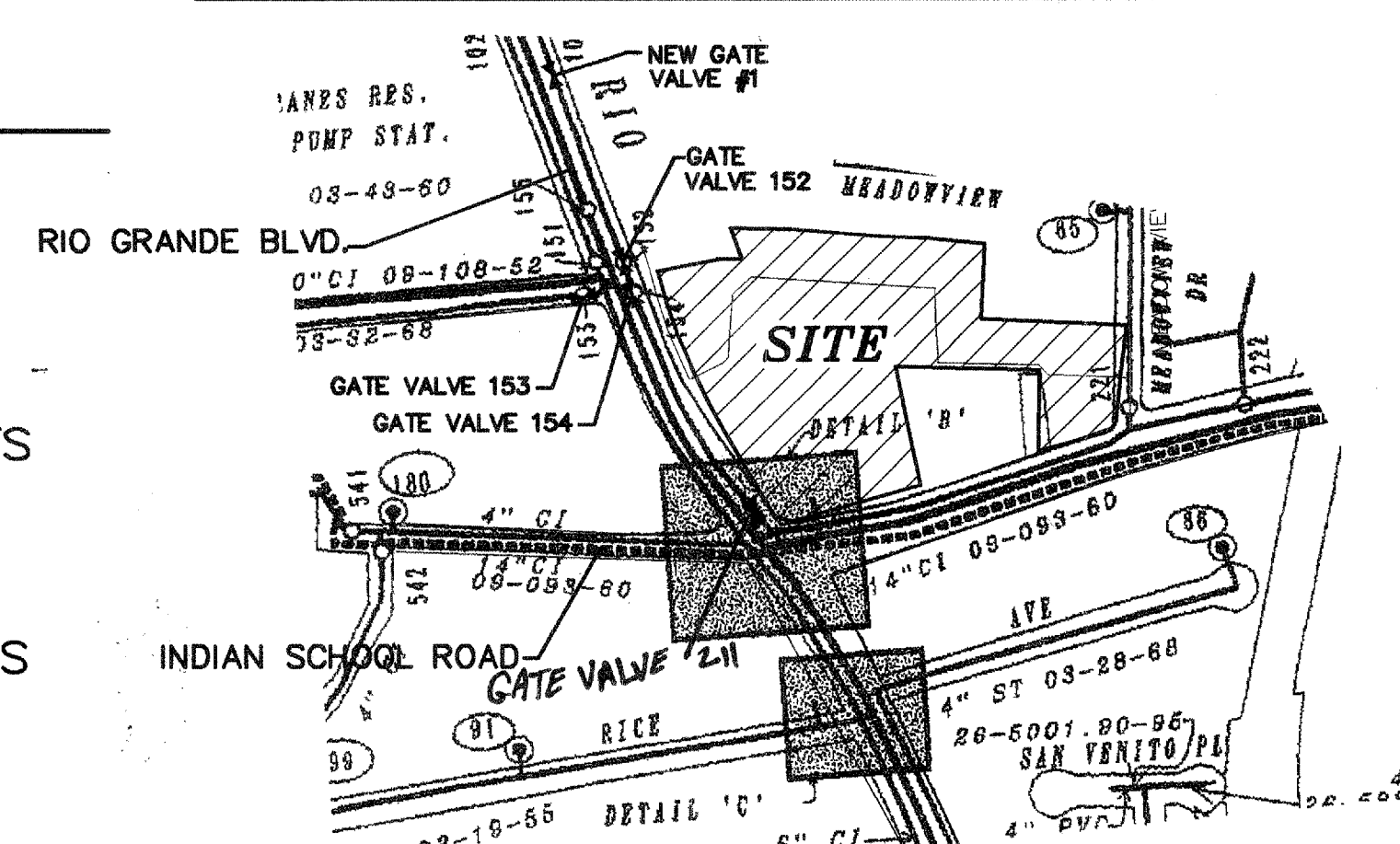
1. THE WATER SYSTEMS DIVISION (857-8200) WILL BE NOTIFIED BY THE CONTRACTOR SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER FACILITIES. REFER TO SECTION 18 OF THE STANDARD SPECIFICATIONS.

2. ELECTRIC MARKER DISKS (EMD) WILL BE PLACED ACCORDING TO SECTION 170 OF THE STANDARD SPECIFICATIONS.

WATER SHUTOFF NOTES:

1. ONLY C.O.A. WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE VALVES.
2. NOTIFY CITY OF ALBUQUERQUE, WATER SYSTEMS DIVISION (PHONE 857-8200) SEVEN (7) WORKING DAYS IN ADVANCE OF NEEDING EXECUTION OF THE WATER SHUT OFF PLAN
3. APPROXIMATE SHUT OFF TIME WILL BE 24 HOURS.
4. SHUTOFF VALVES INDICATED ON THE PLAN BELOW (→) NEW GATE VALVE #1, 151, 152, 153, 154, 211

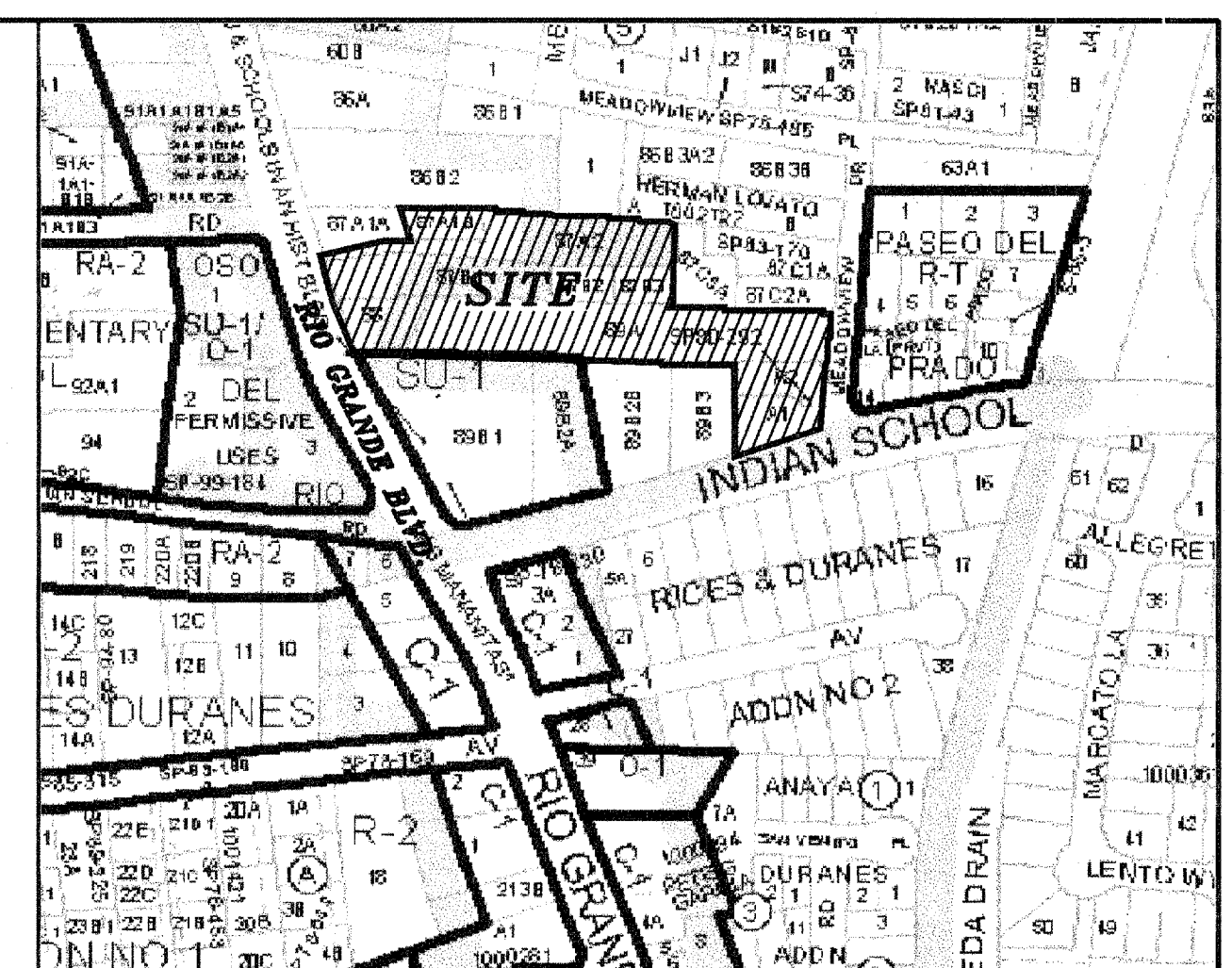
WATER SHUTOFF PLAN



DRB CASE NUMBER 1004240



4416 ANAHEIM AVE., NE
ALBUQUERQUE, NEW MEXICO 87113
(505) 899-5570



VICINITY MAP ZONE ATLAS H-13-Z

N.T.S. NOTICE TO CONTRACTORS

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION (UPDATE #7)
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
3. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES 24-HOUR CONSTRUCTION.
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 OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO STANDARD SPECIFICATIONS.
6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
7. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THIS PROJECT THAT IS NOT SHOWN ON THE PLAN AND IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT THE DESIGNERS EXPENSE.
8. FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.
9. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
10. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.
11. DEVELOPER WILL PROVIDE AND MAINTAIN ALL SIGNING AND STRIPING ON PRIVATE ROADS.

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 DESIGN ENGINEER.
- ☐ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEEPENED 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.

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	APPROVED FOR CONSTRUCTION		
DRC Chairman			<i>Shahab Biazar</i>	2-19-07	<i>Richard D. Dake</i> City Engineer		
Transportation			<i>William G. Dake</i>	1-25-07			
Water/Wastewater			<i>William G. Dake</i>	01/25/07			
Hydrology			<i>Bradley L. Bigler</i>	2/19/07			
C.I.P.							
Constr. Coord.					Date		
CITY PROJECT NO.				791581	SHEET 1 OF 7		

PLAT OF

VILLAS LAS MAÑANTAS SUBDIVISION

SITUATE WITHIN TOWN OF ALBUQUERQUE GRANT
PROJECTED SECTION 7, T. 10 N., R. 3 E., N.M.P.M.,
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
OCTOBER, 2006

PROJECT NO. 1004240
APPLICATION NO. 06008-01524
UTILITY APPROVALS:

Charles Z. Brown 10-30-06 DATE
PNM ELECTRIC SERVICES
Charles Z. Brown 10-30-06 DATE
PNM GAS SERVICES
Don Duque 10-30-06 DATE
QWEST TELECOMMUNICATIONS
Steve Duber 10-27-06 DATE
CITY OF ALBUQUERQUE

APPROVALS:
[Signature] 10-17-06 DATE
CITY SURVEYOR
[Signature] 10-30-06 DATE
TRAFFIC ENGINEERING, TRANSPORTATION DIVISION
[Signature] 10-25-06 DATE
UTILITIES DEPARTMENT
[Signature] 10-25-06 DATE
PARKS AND RECREATION DEPARTMENT
[Signature] 10-25-06 DATE
ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY
[Signature] 10-25-06 DATE
CITY ENGINEER
[Signature] 10-30-06 DATE
PDR CHAIRPERSON/PLANNING DEPARTMENT

SURVEYORS CERTIFICATE:

I, LEONARD MARTINEZ, A DULY PROFESSIONAL LAND SURVEYOR, UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE PLAT WAS PREPARED UNDER MY DIRECT SUPERVISION AND MEETS THE REQUIREMENTS FOR MONUMENTATION AND SURVEY OF THE ALBUQUERQUE GRANT. I HAVE ALSO REVIEWED THE SURVEY AND THE MINIMUM STANDARDS FOR LAND SURVEYS IN NEW MEXICO AND I HAVE FOUND THAT THE SURVEY MEETS THE STANDARDS OF THE PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Leonard Martinez 10-16-06 DATE
LEONARD MARTINEZ P.S. # 9801
REGISTERED LAND SURVEYOR
STATE OF NEW MEXICO

ADVANCED
ENGINEERING
and CONSULTING, LLC
4416 ANAHEIM AVE. NE
ALBUQUERQUE, NEW MEXICO 87113
(505) 894-5370

SHEET 1 OF 3

LEGAL DESCRIPTION:

A CERTAIN TRACT OF LAND, SITUATE WITHIN TOWN OF ALBUQUERQUE GRANT, PROJECTED SECTION 7, T. 10 N., R. 3 E., N.M.P.M., WITHIN THE CITY LIMITS OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, COMPRISING OF THE FOLLOWING:

TRACTS 87A1B, 87A2, 87B1, 87B2, 87B3, 88, 89A, 89B1, AND 89B2A OF MIDDLE RIO GRANDE CONSERVANCY DISTRICT MAP 35, TOGETHER WITH:

LOTS A-1, A-2 LANDS OF E. MAES, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, AS THE SAME IS SHOWN ON SAID PLAT, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO, ON AUGUST 19, 1980, IN VOL. C17, FOLIO 46, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF SAID PARCEL HEREIN DESCRIBED, BEING A POINT ON THE EAST RIGHT-OF-WAY LINE OF RIO GRANDE BLVD. N.W. WHENCE A BEARING OF 74° 59' 12" E. AND A DISTANCE OF 74.79 FEET; THENCE, 77° 11' 33" E., BEARS S. 65° 34' 08" W., AT A DISTANCE OF 74.79 FEET; THENCE, FROM SAID BEGINNING POINT N. 30° 15' 46" W., A DISTANCE OF 160.57 FEET TO A POINT OF CURVATURE; THENCE,

NORTHWESTERLY, 284.87 FEET ALONG THE ARC OF A CURVE TO THE RIGHT (SAID CURVE HAVING A RADIUS OF 1080.36 FEET AND A CHORD WHICH BEARS N. 22° 48' 24" W., A DISTANCE OF 284.14 FEET) TO A POINT OF TANGENCY; THENCE, N. 78° 31' 32" E., A DISTANCE OF 98.37 FEET TO A POINT; THENCE, N. 81° 54' 26" E., A DISTANCE OF 35.16 FEET TO AN ANGLE POINT; THENCE, N. 14° 16' 45" W., A DISTANCE OF 48.82 FEET TO AN ANGLE POINT; THENCE, S. 88° 58' 05" E., A DISTANCE OF 48.82 FEET TO AN ANGLE POINT; THENCE, S. 84° 48' 53" E., A DISTANCE OF 142.50 FEET TO A POINT; THENCE, S. 87° 30' 23" E., A DISTANCE OF 85.62 FEET TO A POINT; THENCE, S. 84° 39' 52" E., A DISTANCE OF 89.17 FEET TO AN ANGLE POINT; THENCE, S. 02° 13' 59" W., A DISTANCE OF 123.02 FEET TO AN ANGLE POINT; THENCE, S. 02° 13' 59" W., A DISTANCE OF 236.40 FEET TO A POINT AND THE POINT ON THE WEST RIGHT-OF-WAY LINE OF MEADOW VIEW ROAD N.W.; THENCE, S. 08° 15' 02" W., A DISTANCE OF 77.51 FEET TO A POINT; THENCE, S. 08° 15' 02" W., A DISTANCE OF 76.40 FEET TO A POINT OF CURVATURE; THENCE, SOUTHEASTERLY, 30.12 FEET ALONG THE ARC OF A CURVE TO THE RIGHT (SAID CURVE HAVING A RADIUS OF 24.00 FEET AND A CHORD WHICH BEARS S. 39° 43' 46" W., A DISTANCE OF 28.34 FEET) TO A POINT ON THE NORTH RIGHT-OF-WAY LINE OF INDIAN SCHOOL ROAD N.W.; THENCE, N. 00° 21' 02" E., A DISTANCE OF 133.19 FEET TO AN ANGLE POINT; THENCE, N. 00° 21' 02" E., A DISTANCE OF 133.19 FEET TO AN ANGLE POINT; THENCE, S. 11° 45' 59" E., A DISTANCE OF 196.55 FEET TO AN ANGLE POINT; THENCE, S. 74° 15' 04" W., A DISTANCE OF 213.92 FEET TO AN ANGLE POINT; THENCE, S. 79° 55' 26" W., A DISTANCE OF 29.63 FEET TO AN ANGLE POINT; THENCE, THE PARCEL HEREIN DESCRIBED, CONTAINING 4.6524 ACRES (202,656.49 SQUARE FEET), MORE OR LESS.

FREE CONSENT:

THE SUBDIVISION HEREON DESCRIBED IS WITH THE FREE CONSENT IN ACCORDANCE WITH THE DESIRES OF THE DESIGNATED OWNERS AND PROPRIETOR THEREOF. SAID OWNERS AND/OR PROPRIETORS HAVE HEREBY RELEASED, WAIVED, AND AGREED TO COMPLETE AND INDEFEASIBLE TITLE IN FEE SIMPLE TO THE LANDS DIVIDED. SAID OWNER(S) / PROPRIETOR(S) DOES HEREBY GRANT ANY AND ALL EASEMENTS AS MAY BE CREATED BY THIS PLAT.

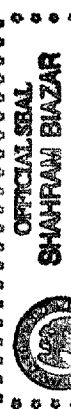
OWNER(S) SIGNATURE: *[Signature]* DATE: 10-16-06

OWNER(S) PRINT NAME: ED GARCIA, MANAGING MEMBER FOR VILLAS LAS MAÑANTAS DEVELOPMENT, LLC.

ACKNOWLEDGMENT

STATE OF NEW MEXICO) S.S.
COUNTY OF BERNALILLO)

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 16 DAY OF OCTOBER, 2006, BY ED GARCIA, MANAGING MEMBER FOR VILLAS LAS MAÑANTAS DEVELOPMENT, LLC.

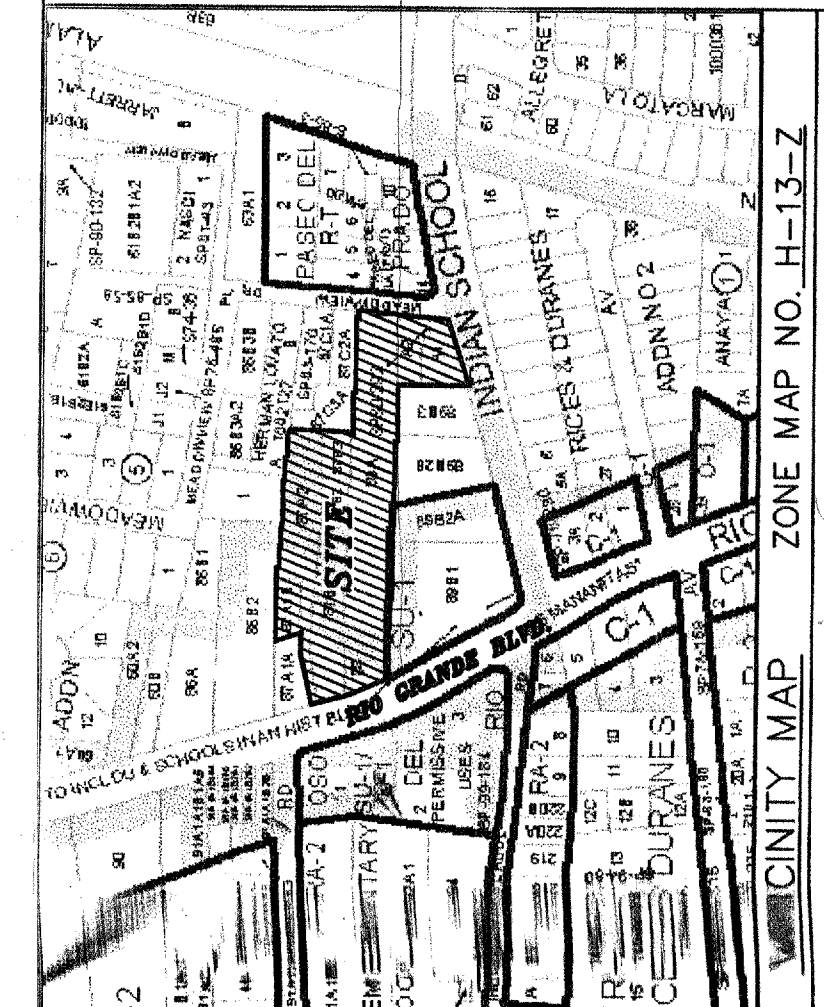


[Signature]
NOTARY
MY COMMISSION EXPIRES:

THIS IS TO CERTIFY THAT TAXES ARE CURRENT AND PAID ON
UPC 10089002342040 SEE ATTACH.

PROPERTY OWNER OF RECORD: Las Mañantas Properties LLC

BERNALILLO CO. TREASURER'S OFFICE: F. J. Garcia 10-31-06



NEIGHBORHOOD MAP ZONE MAP NO. H-13-Z

SCALE: N.T.S.

ENCLOSURE STATEMENT:

THE PURPOSE OF THIS PLAT IS TO SUBDIVIDE EXISTING ELEVEN TRACTS INTO THREE TRACTS AND 16 LOTS, VACATE EXISTING PRIVATE ACCESS EASEMENT, AND GRANT ANY EASEMENTS AS SHOWN.

GENERAL NOTES:

- UNLESS NOTED, NO. 4 REBAR WITH CAP STAMPED P.S. #9801 WERE SET AT ALL PROPERTY CORNERS.
- THIS PLAT SHOWS ALL EASEMENTS OF RECORD.
- TALOS LOG NO. 2008221728.
- BASIS OF BEARINGS IS THE BEARING BETWEEN CITY OF ALBUQUERQUE CONTROL STATIONS 77-H13* AND 78-H13* BEARINGS ARE NM STATE PLANE GRID, DISTANCES ARE GROUND.
- RECORDED BEARINGS AND DISTANCES ARE SHOWN IN PARENTHESES.
- SITE DATA: ZONING IS SU-1 FOR C-1 AND R-1.
- CITY OF ALBUQUERQUE WATER AND SANITARY SEWER SERVICES TO THESE LOTS MUST BE VERIFIED AND COORDINATE WITH THE WATER RESOURCES DEPARTMENT, CITY OF ALBUQUERQUE.
- TOTAL AREA OF PROPERTY: 4.6524 ACRES
- NUMBER OF EXISTING TRACTS/LOTS: 11
- NUMBER OF TRACTS/LOTS CREATED: 19
- TRACT A IS GRANTED AS 28.26 PUBLIC SANITARY SEWER, WATERLINE AND DRAINAGE EASEMENT FOR THE BENEFIT OF LOTS 1-12 THRU 13-P2.
- TRACT B IS GRANTED AS 27.25 PRIVATE PROPERTY EASEMENT FOR THE BENEFIT OF LOTS 13-P2 THRU 16-P2.
- TRACT C IS DEDICATED AS 27.25 PRIVATE PROPERTY EASEMENT FOR THE BENEFIT OF LOTS 13-P2 THRU 16-P2.
- FOR THE BENEFIT OF LOTS 13-P2 THRU 16-P2, PROPRIETOR(S) OR HOME OWNERS ASSOCIATION ARE RESPONSIBLE FOR MAINTENANCE OF THIS EASEMENT. TRACT C TO BE DEEDED TO HOME OWNERS ASSOCIATION.
- MILES OF FULL STREET CREATED: 0.0966

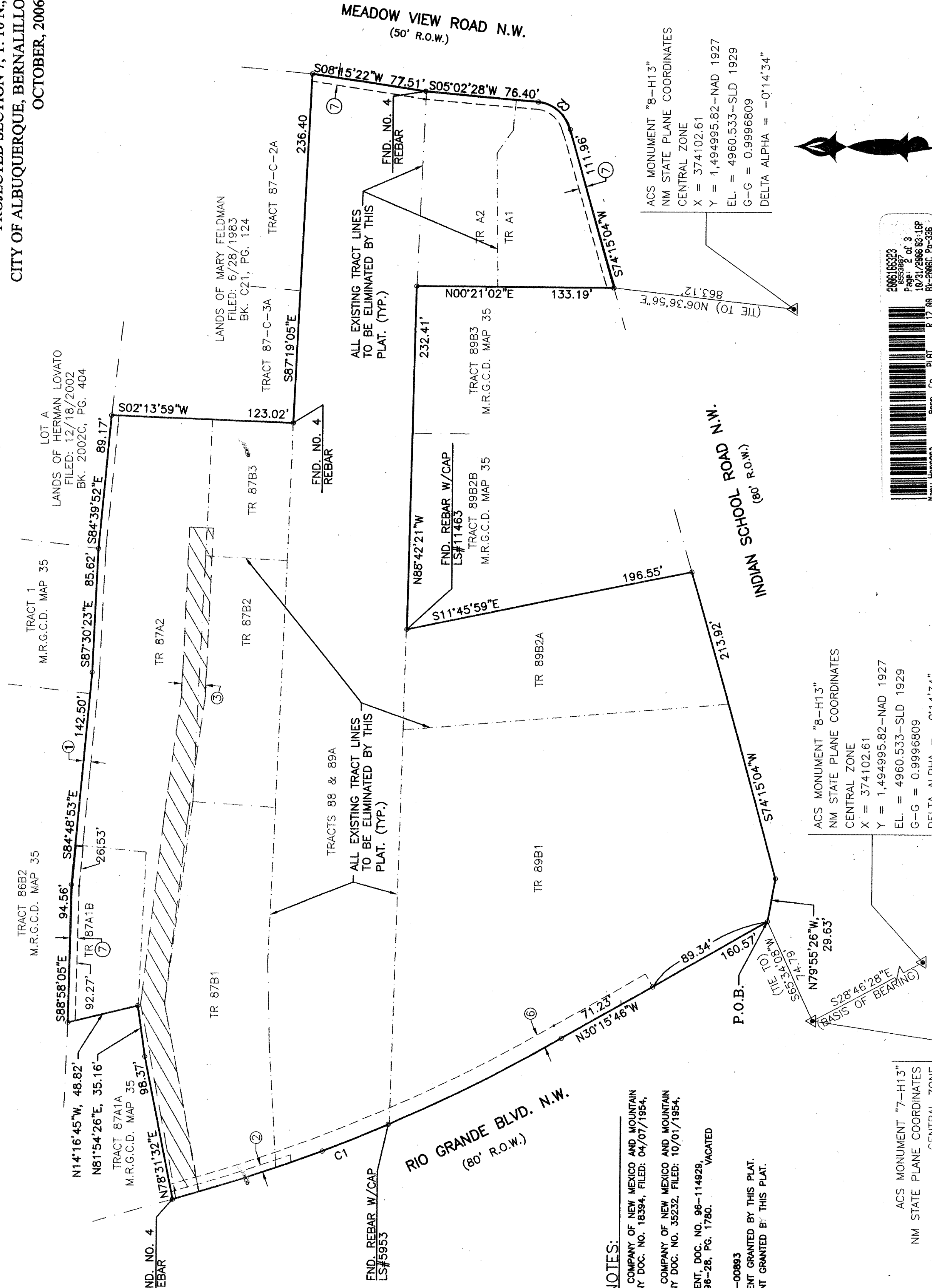
EASEMENTS:

- THIS PLAT SHOWS EXISTING RECORDED AND APPARENT EASEMENTS AS NOTED.
- PUBLIC UTILITY EASEMENTS SHOWN ON THIS PLAT ARE GRANTED FOR THE COMMON AND JOINT USE OF: UNDERGROUND ELECTRICAL LINES, TRANSFORMERS, POLES AND ANY OTHER EQUIPMENT, FIXTURES, STRUCTURES AND RELATED FACILITIES REASONABLY NECESSARY TO PROVIDE ELECTRICAL SERVICE.
- THE PNM GAS SERVICES DIVISION FOR THE INSTALLATION, MAINTENANCE, AND SERVICES OF NATURAL GAS LINES, VALVES AND OTHER EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE NATURAL GAS SERVICE FOR THE INSTALLATION, MAINTENANCE AND SERVICE OF ALL BURIED AND AERIAL COMMUNICATION LINES AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE COMMUNICATION SERVICES, INCLUDING BUT NOT LIMITED TO ABOVE GROUND PEDESTALS AND CLOSURES.
- COMCAST CABLE COMMUNICATION, INC. FOR THE INSTALLATION, AND SERVICE OF SUCH LINES, CABLE AND OTHER RELATED EQUIPMENT AND FACILITIES REASONABLY NECESSARY TO PROVIDE CABLE TV SERVICE INCLUDED IS THE RIGHT TO BUILD, REBUILD, RECONSTRUCT, LOCATE, RELOCATE, CHANGE, REMOVE, MODIFY, RENEW, OPERATE, AND MAINTAIN FACILITIES FOR THE PURPOSES DESCRIBED ABOVE, TOGETHER WITH FREE ACCESS TO, FROM, AND OVER SAID EASEMENTS, INCLUDING SUFFICIENT WORKING AREA SPACE FOR ELECTRIC TRANSFORMERS, WITH THE RIGHT AND PRIVILEGE TO TRIM AND REMOVE TREES, SHRUBS OR BUSHES WHICH INTERFERE WITH THE PURPOSES SET FORTH HEREIN. NO BUILDING, SIGN, POOL (ABOVE GROUND OR SUBSURFACE), HOT TUB, CONCRETE OR WOOD POOL DECKING, OR OTHER STRUCTURE SHALL BE ERRECTED OR CONSTRUCTED ON SAID EASEMENTS, NOR SHALL ANY WELL BE DRILLED OR OPERATED THEREON. PROPERTY OWNERS SHALL BE SOLELY RESPONSIBLE FOR CORRECTING ANY VIOLATIONS OF NATIONAL ELECTRICAL SAFETY CODE CAUSED BY CONSTRUCTION OF POOLS, DECKING, OR ANY STRUCTURES ADJACENT TO, WITHIN OR NEAR EASEMENTS SHOWN ON THIS PLAT.
- IN APPROVING THIS PLAT, THE UTILITY COMPANIES DID NOT CONDUCT A TITLE SEARCH OF THE PROPERTIES SHOWN HEREON. CONSEQUENTLY, THE UTILITY COMPANIES DO NOT WAIVE OR RELEASE ANY EASEMENT OR EASEMENT RIGHTS WHICH MAY HAVE BEEN GRANTED BY PRIOR PLAT, REPLAT OR OTHER DOCUMENT AND WHICH ARE NOT SHOWN ON THIS PLAT.
- EASEMENTS FOR ELECTRIC TRANSFORMERS/SWITCHGEARS, AS INSTALLED, SHALL EXTEND TEN FEET (10') IN FRONT OF TRANSFORMER/SWITCHGEAR DOORS AND FIVE FEET (5') ON EACH SIDE.

PLAT OF

VILLAS LAS MAÑANTAS SUBDIVISION

SITUATE WITHIN TOWN OF ALBUQUERQUE GRANT
PROJECTED SECTION 7, T. 10 N., R. 3 E., N.M.P.M.,
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
OCTOBER, 2006



ADVANCED
ENGINEERING
and CONSULTING, LLC
4416 ANAHEIM AVE. NE
ALBUQUERQUE, NEW MEXICO 87113
(505) 894-5370

GRAPHIC SCALE

SCALE: 1"=50'

CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD DIRECTION
C1	284.97	1080.36	1506.47'	143.32	284.14	N22°48'24"W
C2	30.13	25.00	69°02'37"	17.20	28.34	S39°43'46"W

EASEMENTS NOTES:

- EXIST. 5' PUBLIC SERVICE COMPANY OF NEW MEXICO AND MOUNTAIN STATE TELEPHONE COMPANY DOC. NO. 18364, FILED: 04/07/1954, BK. D275, P. 234.
- EXIST. 5' PUBLIC SERVICE COMPANY OF NEW MEXICO AND MOUNTAIN STATE TELEPHONE COMPANY DOC. NO. 35332, FILED: 10/01/1954, BK. D292, P. 255.
- EXIST. 16' ACCESS EASEMENT, DOC. NO. 98-114928, FILED: 10/18/1998, BK. 98-28, PG. 1760.
- PROJECT PLAT 1004240 VACATION ACTION # 6088-00893
- 10' PUBLIC UTILITY EASEMENT GRANTED BY THIS PLAT.
- 5' PUBLIC UTILITY EASEMENT GRANTED BY THIS PLAT.

ACS MONUMENT "7-H13"

NM STATE PLANE COORDINATES
CENTRAL ZONE
X = 373707.44
Y = 1,495715.39-NAD 1927
EL = 4961.715-SLD 1929
G-G = 0.9996810
DELTA ALPHA = -0°14'34"

ACS MONUMENT "8-H13"

NM STATE PLANE COORDINATES
CENTRAL ZONE
X = 374102.61
Y = 1,494995.82-NAD 1927
EL = 4960.533-SLD 1929
G-G = 0.9996809
DELTA ALPHA = -0°14'34"

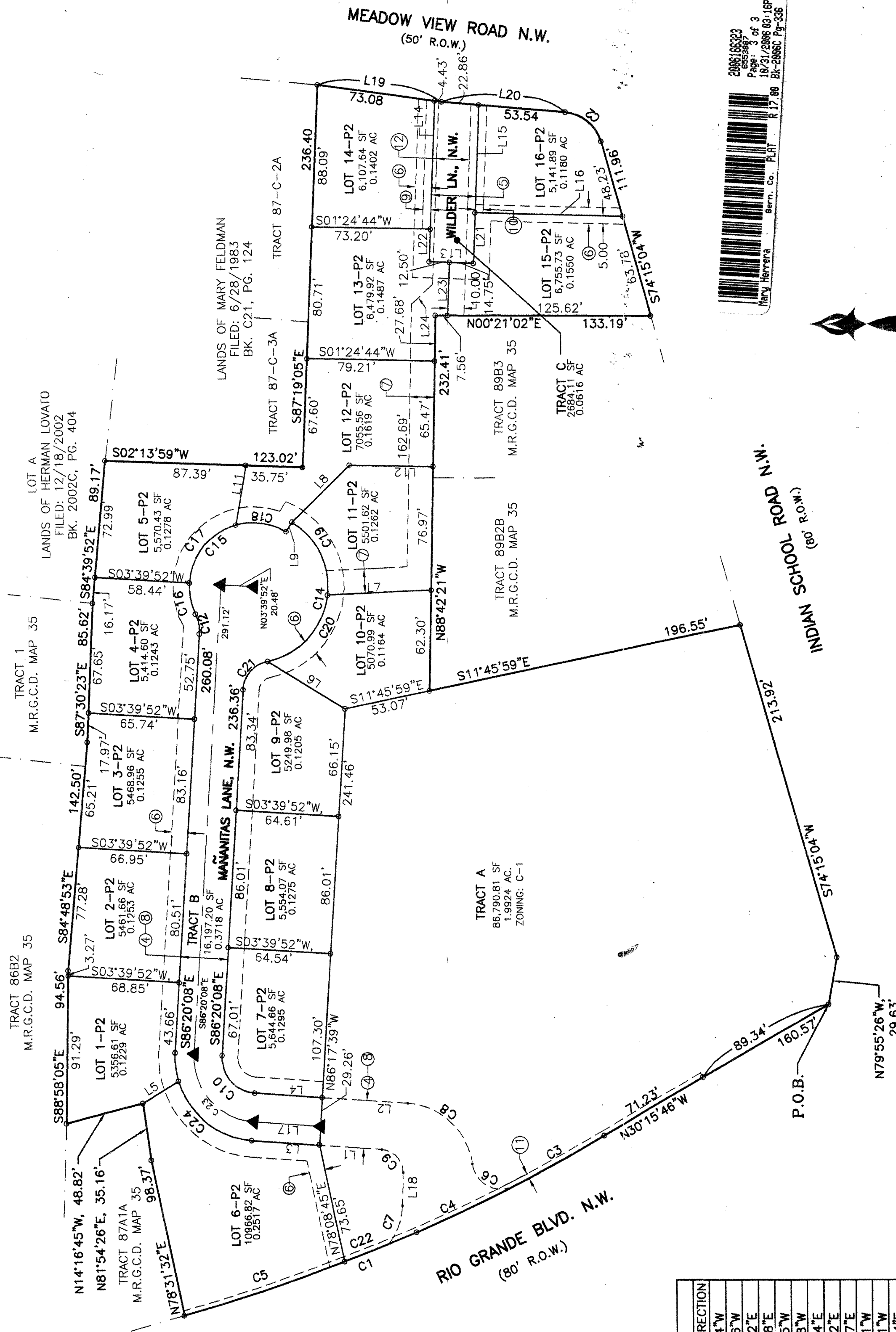
ACS MONUMENT "8-H13"

NM STATE PLANE COORDINATES
CENTRAL ZONE
X = 374102.61
Y = 1,494995.82-NAD 1927
EL = 4960.533-SLD 1929
G-G = 0.9996809
DELTA ALPHA = -0°14'34"

FINAL

PLAT OF
VILLAS LAS MANANITAS SUBDIVISION
SITUATE WITHIN TOWN OF ALBUQUERQUE GRANT
PROJECTED SECTION 7, T. 10 N., R. 3 E., N.M.P.M.,
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
OCTOBER, 2006

- EASEMENTS NOTES:**
- 29.25' PRIVATE ACCESS AND DRAINAGE EASEMENT GRANTED BY THIS PLAT TO THE CITY OF ALBUQUERQUE FOR THE MAINTENANCE OF THIS EASEMENT.
 - 27.25' PRIVATE ACCESS AND DRAINAGE EASEMENT (TRACT C) GRANTED BY THIS PLAT TO THE CITY OF ALBUQUERQUE FOR THE MAINTENANCE OF THIS EASEMENT.
 - 10' PUBLIC UTILITY, CURB & GUTTER, AND SIDEWALK MAINTENANCE EASEMENT GRANTED BY THIS PLAT TO THE CITY OF ALBUQUERQUE FOR THE MAINTENANCE OF THIS EASEMENT.
 - 15' PUBLIC WATERLINE EASEMENT GRANTED BY THIS PLAT TO THE CITY OF ALBUQUERQUE.
 - 29.25' PUBLIC SANITARY SEWER AND WATERLINE EASEMENT GRANTED BY THIS PLAT TO THE CITY OF ALBUQUERQUE.
 - 5' PUBLIC SANITARY SEWER EASEMENT GRANTED BY THIS PLAT FOR BENEFIT OF LOT 13-P2 AND THE PROPERTY OWNER IS RESPONSIBLE FOR THE MAINTENANCE OF THIS EASEMENT.
 - 5' PRIVATE SANITARY SEWER EASEMENT GRANTED BY THIS PLAT FOR BENEFIT OF LOT 13-P2 AND THE PROPERTY OWNER IS RESPONSIBLE FOR THE MAINTENANCE OF THIS EASEMENT.
 - 3' PUBLIC ROAD EASEMENT GRANTED BY THIS PLAT TO THE CITY OF ALBUQUERQUE.
 - 20' PUBLIC WATERLINE EASEMENT GRANTED BY THIS PLAT TO THE CITY OF ALBUQUERQUE.



CURVE TABLE (FEET)			
CURVE	LENGTH	RADIUS	DELTA
C1	284.97	1080.36	150°06'47"
C2	30.13	25.00	69°02'37"
C3	63.64	1080.36	3°22'30"
C4	85.47	1080.36	4°31'59"
C5	106.37	1080.36	5°38'29"
C6	34.38	18.00	109°26'51"
C7	25.62	42.00	34°57'26"
C8	58.85	43.00	78°24'44"
C9	21.45	14.00	87°46'53"
C10	34.41	22.00	89°37'02"
C11	79.77	51.00	89°37'02"
C12	12.44	25.00	28°31'17"
C13	11.81	8.00	84°33'20"
C14	120.45	47.00	146°50'06"
C15	102.10	40.00	146°14'31"
C16	19.43	40.00	28°31'09"
C17	49.43	40.00	70°48'21"
C18	32.72	40.00	46°51'53"
C19	46.03	47.00	56°06'46"
C20	25.13	19.00	72°45'32"
C21	59.68	47.00	72°45'32"
C22	22.48	1080.36	1°33'49"
C23	57.09	36.50	89°37'02"
C24	80.18	51.26	89°37'02"

CHORD DIRECTION

CURVE	CHORD	TANGENT	CHORD DIRECTION
C1	284.14	143.32	N22°48'24"W
C2	28.34	17.20	S39°43'46"W
C3	63.63	31.83	S28°40'32"E
C4	85.45	42.76	S24°43'18"E
C5	106.33	53.23	N18°04'15"W
C6	29.39	25.44	S27°44'08"W
C7	25.23	13.23	S70°41'34"E
C8	54.36	35.08	N43°15'12"E
C9	19.41	13.47	N47°56'17"E
C10	31.01	21.85	S48°51'21"W
C11	71.88	50.68	S48°51'21"W
C12	12.32	12.44	N79°24'14"E
C13	10.76	7.27	N44°03'28"W
C14	90.09	102.10	S75°11'51"E
C15	76.55	102.10	N41°44'09"W
C16	19.71	19.91	S79°24'10"W
C17	46.35	49.43	N50°56'05"W
C18	31.81	32.72	N07°57'10"E
C19	44.21	25.05	N59°28'29"E
C20	23.34	14.78	N48°26'53"W
C21	34.63	35.75	S46°56'24"E
C22	29.48	14.74	S21°40'24"E
C23	51.45	36.26	S48°51'21"E
C24	72.25	50.92	S48°51'21"W

INDIAN SCHOOL ROAD N.W. (80' R.O.W.)

P.O.B.

71.23'

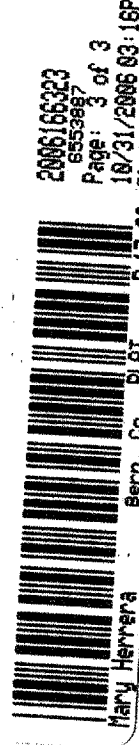
N30°15'46"W

89.34'

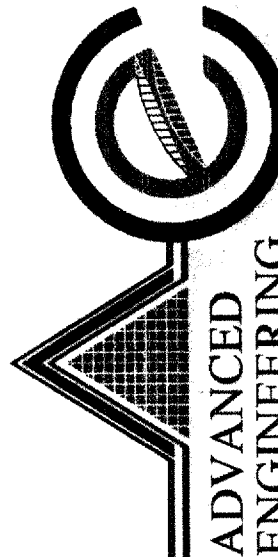
160.57'

N79°55'26"W

29.63'



NOTE: ▲ CENTERLINE (IN LIEU OF R/W) MONUMENTATION IS TO BE INSTALLED AT ALL CENTERLINE P.C.'S, P.T.'S, ANGLE POINTS AND STREET INTERSECTION AS SHOWN HEREON, AND WILL CONSIST OF A FOUR INCH (4") ALUMINUM ALLOY CAP STAMPED CITY OF ALBUQUERQUE, CENTERLINE MONUMENT. DO NOT DISTURB. PLS #8601.



ADVANCED
ENGINEERING
and CONSULTING, LLC
4416 ANAHEIM AVE. NE
ALBUQUERQUE, NEW MEXICO 87113
(505) 899-5370

GRAPHIC SCALE
50 25 0 50
SCALE: 1"=50'

DRAWING: 200606-PLAT DRAWN BY: JT DATE: 10/26/06

SHEET 3 OF 3

NOTICE TO CONTRACTORS

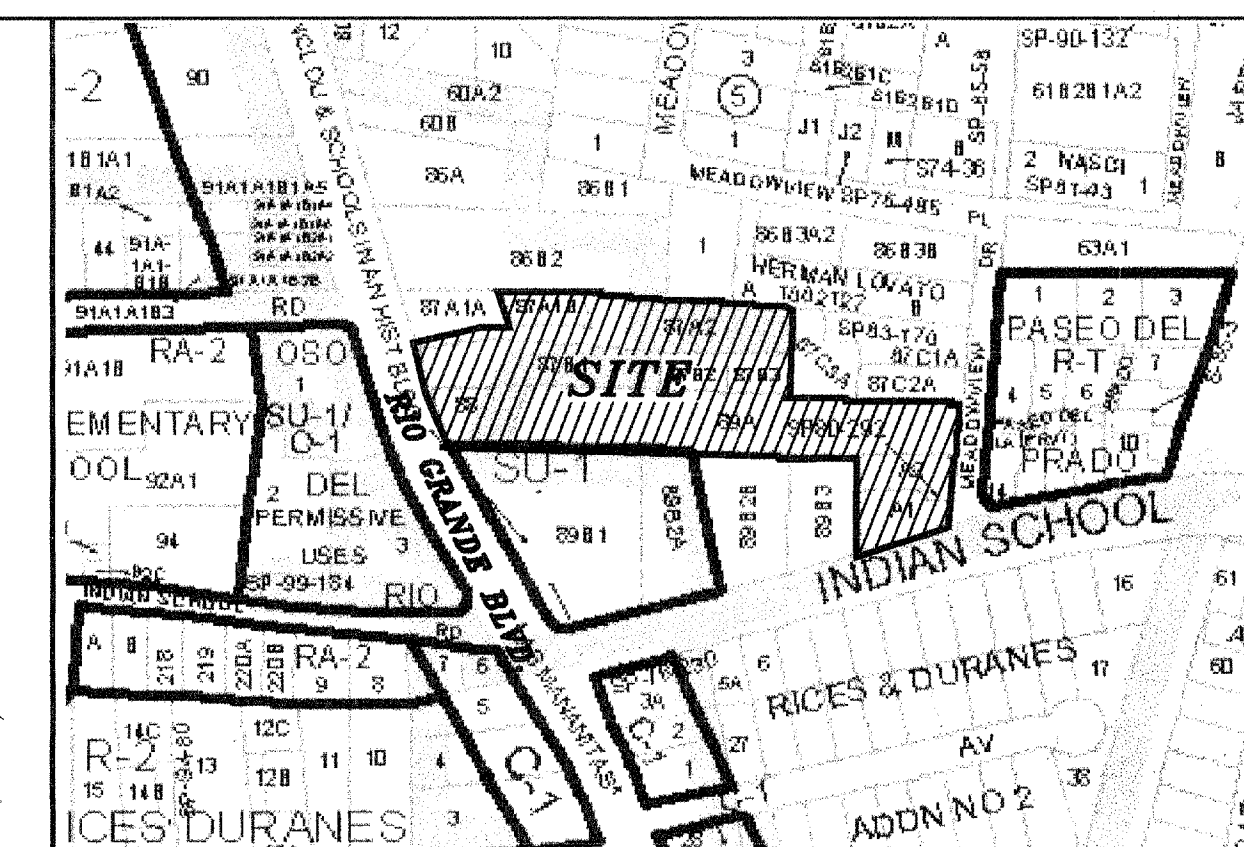
1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

EROSION CONTROL PLAN AND POLLUTION PREVENTION NOTES

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL STORM RUNOFF ON SITE.
4. REPAIR OF DAMAGED FACILITIES AND CLEAN-UP OF SEDIMENT ACCUMULATION ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.
6. ALL THE DISTURBED AREAS MUST BE REVEGETATED.

GENERAL NOTES:

1. ADD 4900 TO SPOT ELEVATIONS TO SHOW TRUE ELEVATION.
2. CONTOUR INTERVAL IS ONE (1) FOOT.
3. ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE CONTROL STATION MON-7-H-13 HAVING AN ELEVATION OF 4961.71 FEET ABOVE SEA LEVEL.
4. UTILITIES SHOWN HEREON ARE IN THEIR APPROXIMATE LOCATION BASED ONLY ON ABOVE GROUND EVIDENCE FOUND IN THE FIELD AND AS-BUILT INFORMATION PROVIDED BY THE CLIENT. UTILITIES SHOWN HEREON, WHETHER INDICATED AS ABANDONED OR NOT, SHALL BE VERIFIED BY OTHERS FOR EXACT LOCATION AND/OR DEPTH PRIOR TO EXCAVATION OR DESIGN CONSIDERATIONS.
5. THIS IS NOT A BOUNDARY SURVEY, BEARINGS ARE ASSUMED, DISTANCES AND FOUND PROPERTY CORNERS ARE FOR INFORMATIONAL PURPOSES ONLY.
6. SLOPES ARE AT 3:1 MAXIMUM.



VICINITY MAP:

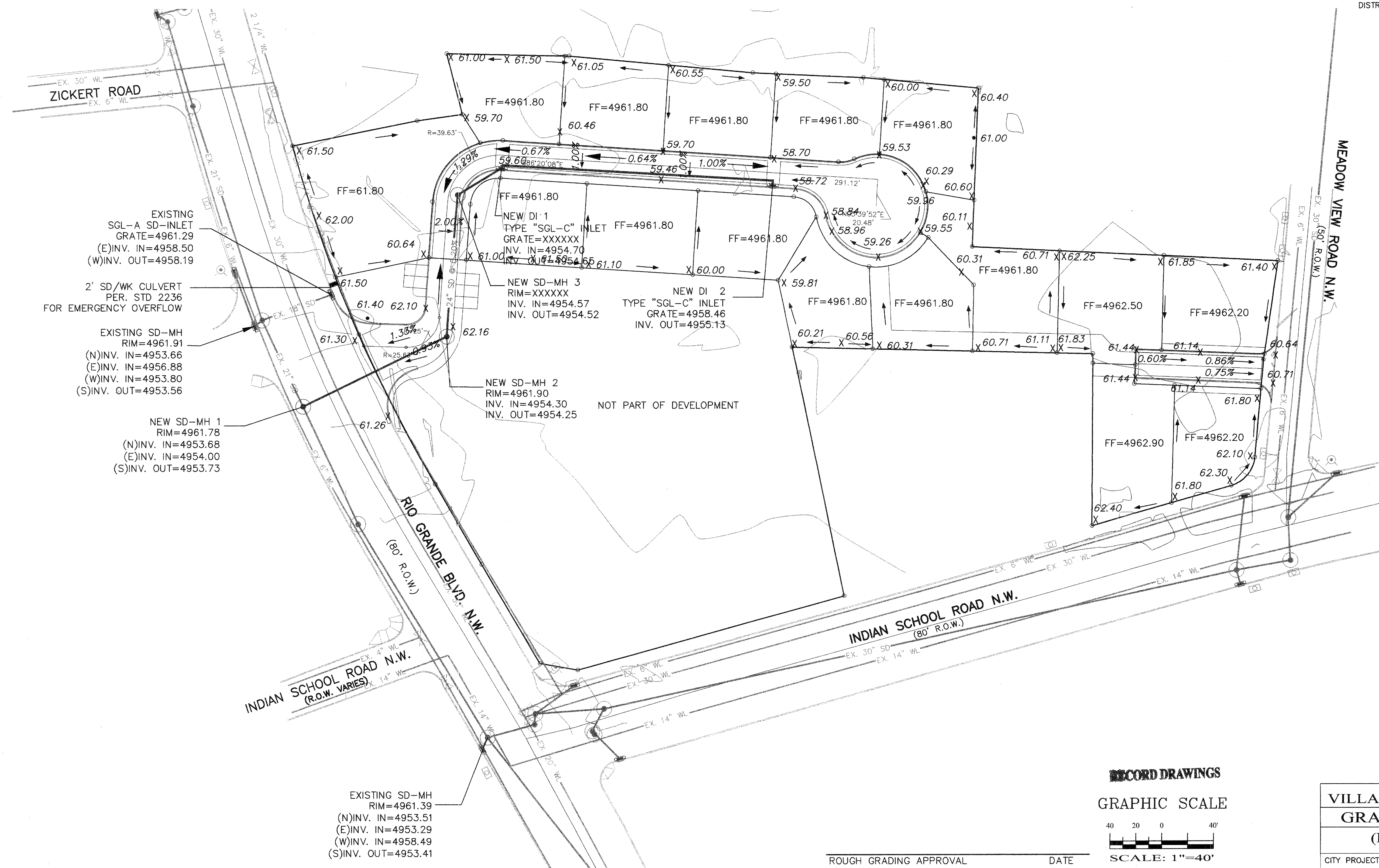
H-13-Z

LEGAL DESCRIPTION:

TRACTS 87A1B, 87A2, 87B1, 87B2, 87B3, 88, 89A, 89B1, 89B2A, & THE LANDS E. MAES TRACTS A1 & A2, MIDDLE RIO GRANDE CONSERVANCY DISTRICT MAP NO. 35

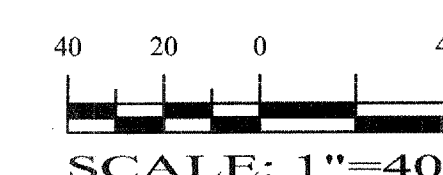
LEGEND

- EXISTING S&S MANHOLE
- EXISTING METER
- EXISTING VALVE W/BOX
- EXISTING FIRE HYDRANT
- EXISTING AIR RELEASE VALVE
- EXISTING REDUCER
- EX. 6" S&S
- EX. 16" WL
- EXISTING SANITARY SEWER LINE
- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- 5100 EXISTING CONTOUR (MAJOR)
- 5102 EXISTING CONTOUR (MINOR)
- BOUNDARY LINE
- EASEMENT
- STANDARD CURB AND GUTTER
- LIMITS OF TOP OF EXISTING SLOPE
- PROPOSED SIDEWALK
- PROPOSED GRADE
- PROPOSED SPOT ELEVATION
- EXISTING GRADE
- EXISTING POWER LINES
- EXISTING FENCE
- EXISTING GARDEN WALL
- PROPOSED RETAINING WALL
- PROPOSED EXTENDED STEM WALL
- TOP OF RETAINING WALL
- TOP OF FOOTING
- TOP OF EXTENDED STEM WALL
- TOP OF FOOTING
- EXISTING DROP INLET
- EXISTING STREET LIGHT
- EXISTING ANCHOR
- EXISTING POWER POLE
- SINGLE "A" INLET
- DOUBLE "A" INLET



RECORD DRAWINGS

GRAPHIC SCALE



ROUGH GRADING APPROVAL

DATE

VILLAS LAS MANANITAS SUBDIVISION
GRADING AND DRAINAGE PLAN
(FOR INFORMATION ONLY)

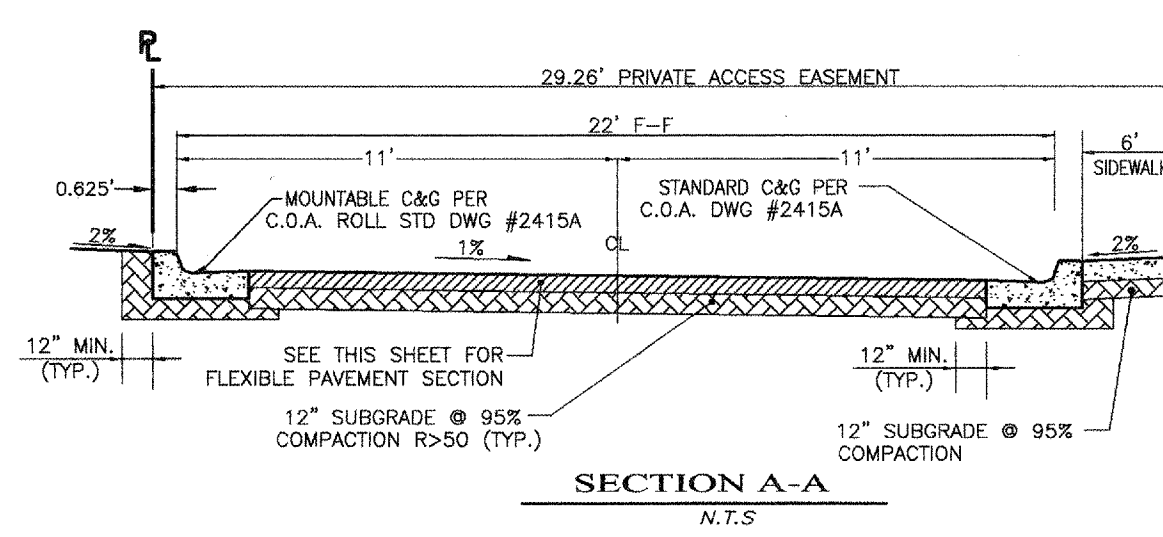
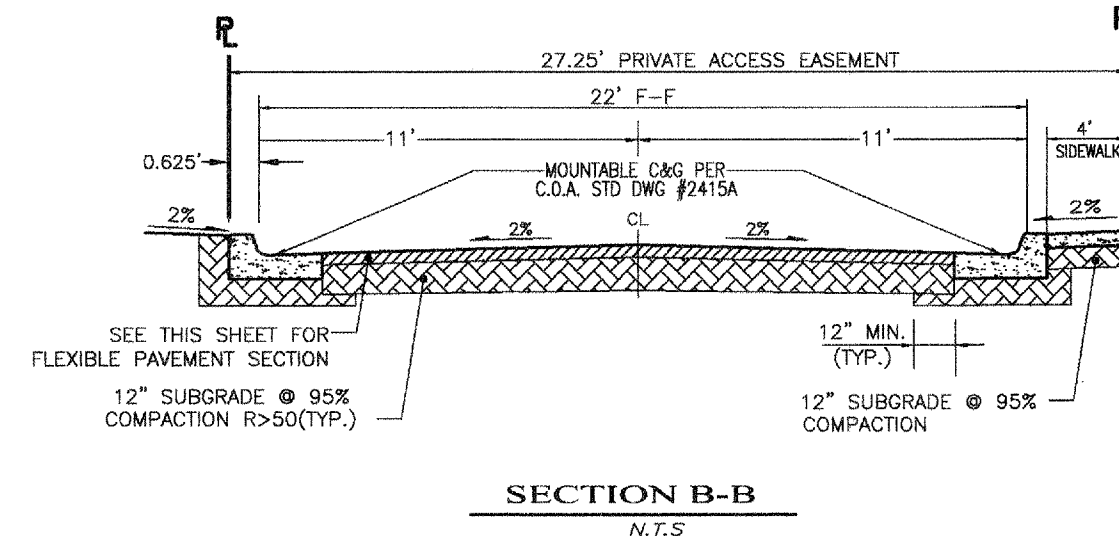
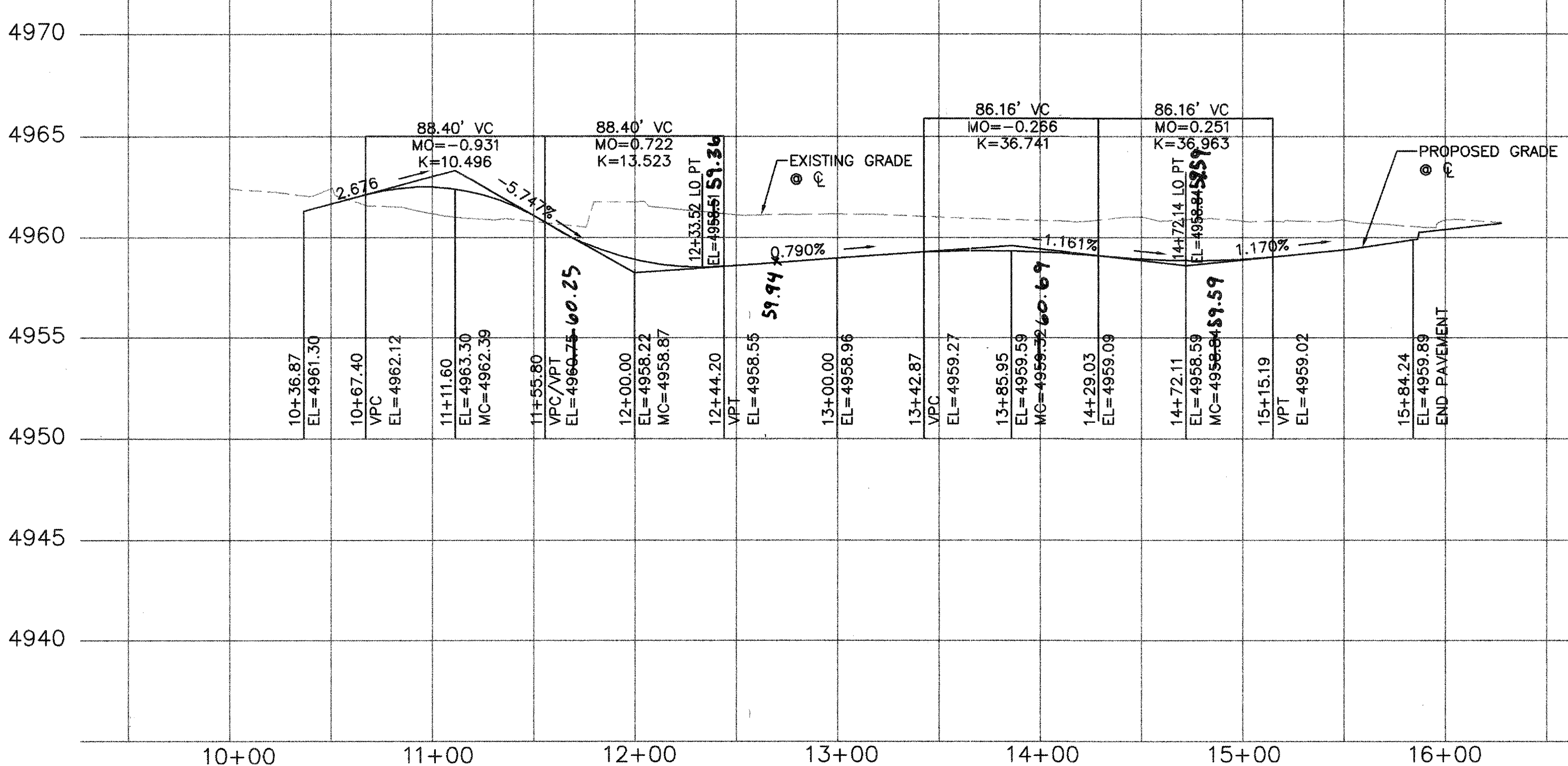
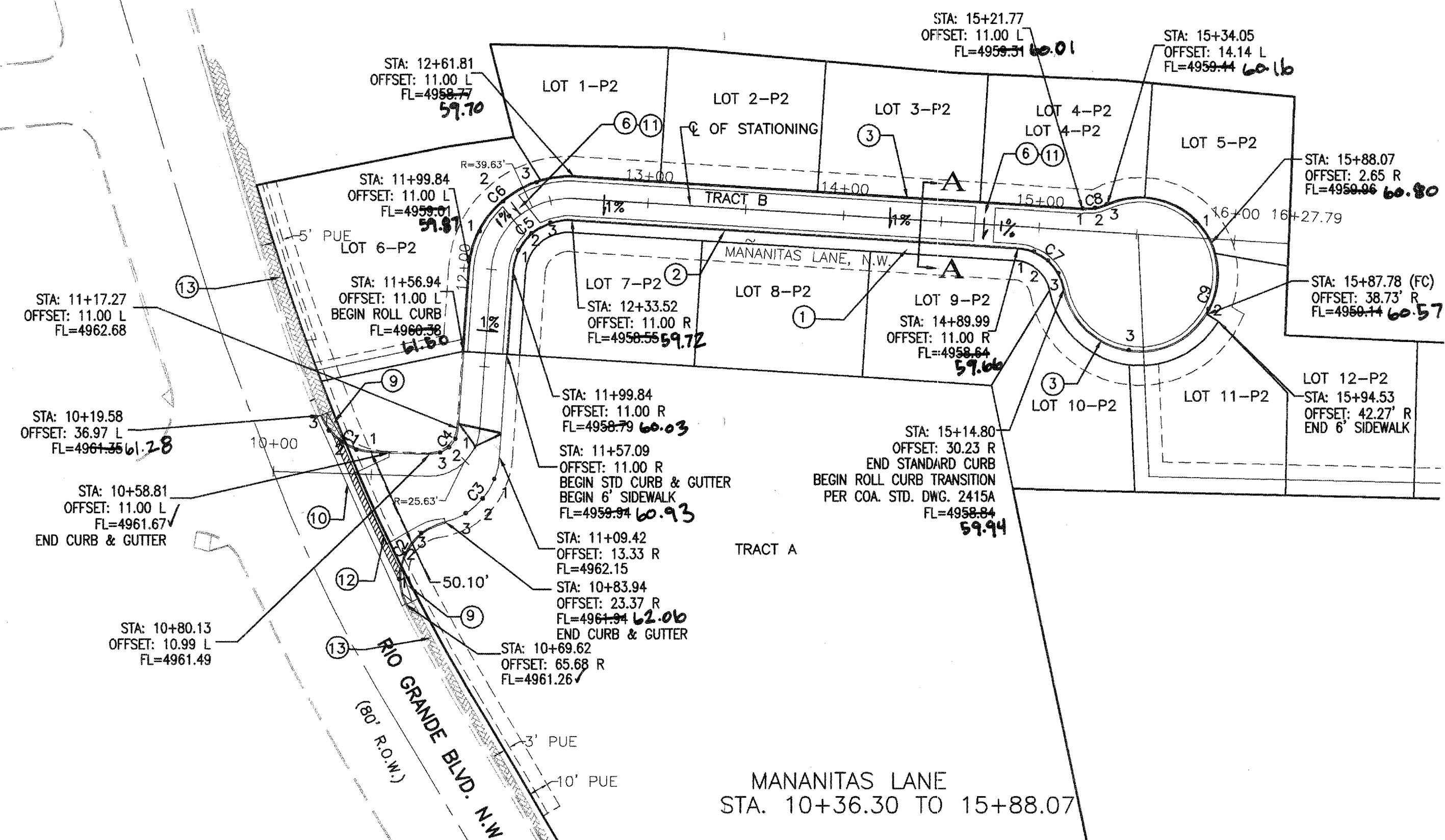
CITY PROJECT NO. 791581 ZONE MAP NO. H-13-Z SHEET 3 OF 7

QUARTER POINTS

C1	PTS	FL ELEV.	C4	PTS	FL ELEV.	C7	PTS	FL ELEV.	C10	PTS	FL ELEV.
1	4961.80	61.44	1	4962.38		1	4958.89		1	4960.61	
2	4961.54	61.45	2	4962.06		2	4958.74		2	4960.66	
3	4961.43		3	4961.79		3	4958.79		3	4960.70	
C2	PTS	FL ELEV.	C5	PTS	FL ELEV.	C8	PTS	FL ELEV.	C11	PTS	FL ELEV.
1	4961.44	61.33	1	4958.63		1	4959.41		1	4960.59	
2	4961.60	61.47	2	4958.68		2	4959.38		2	4960.57	
3	4961.77	61.67	3	4958.74		3	4959.34		3	4960.56	
C3	PTS	FL ELEV.	C6	PTS	FL ELEV.	C9	PTS	FL ELEV.			
1	4962.10		1	4958.93		1	4959.29				
2	4962.05		2	4958.96		2	4959.14				
3	4961.99		3	4958.98		3	4958.99	60.34			

NOTES:

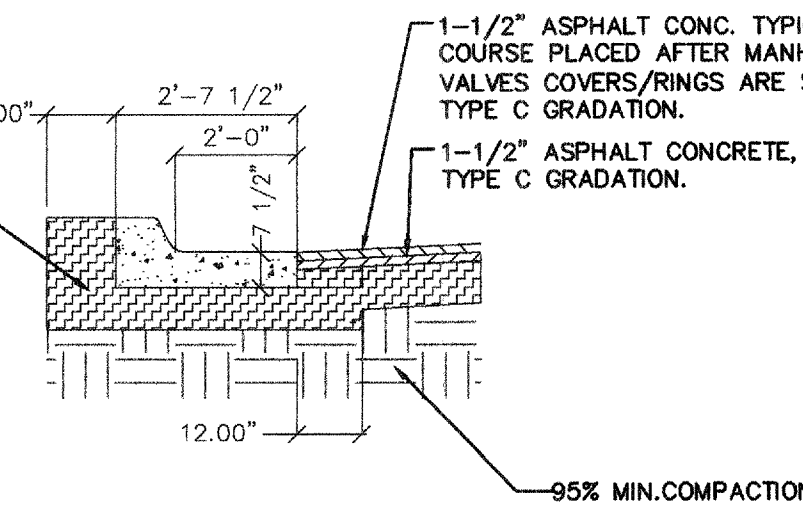
- NEW 6' SIDEWALKS PER COA STANDARD DRAWING 2430, (INTERNAL SIDEWALKS DEFERRED).
- STANDARD CURB AND GUTTER PER COA STANDARD DRAWING 2415A.
- MOUNTABLE CURB AND GUTTER PER COA STANDARD DRAWING 2415A.
- NEW WHEEL CHAIR RAMP PER COA STANDARD DRAWING 2441, CASE II (W/HEADER CURB).
- NEW 4' SIDEWALKS PER COA STANDARD DRAWING 2430, (INTERNAL SIDEWALKS DEFERRED).
- NEW 10' ALLEY GUTTER PER COA STANDARD DRAWING 2422.
- CROWN TRANSITION PER COA STANDARD DRAWING 2401.
- DRIVEWAY PER C.O.A. #2425.
- UNI-DIRECTIONAL HC RAMP PER C.O.A. #2426, INCLUDE TRUNCATED DOMES.
- PROVIDE 6' VALLEY GUTTER PER COA STANDARD DRAWING 2420.
- PROVIDE 3' @ 2% CS FOR ADA ACCESS ROUTE, AT VALLEY GUTTER.
- EXISTING 4' SIDEWALK
- EXISTING HANDICAP RAMP



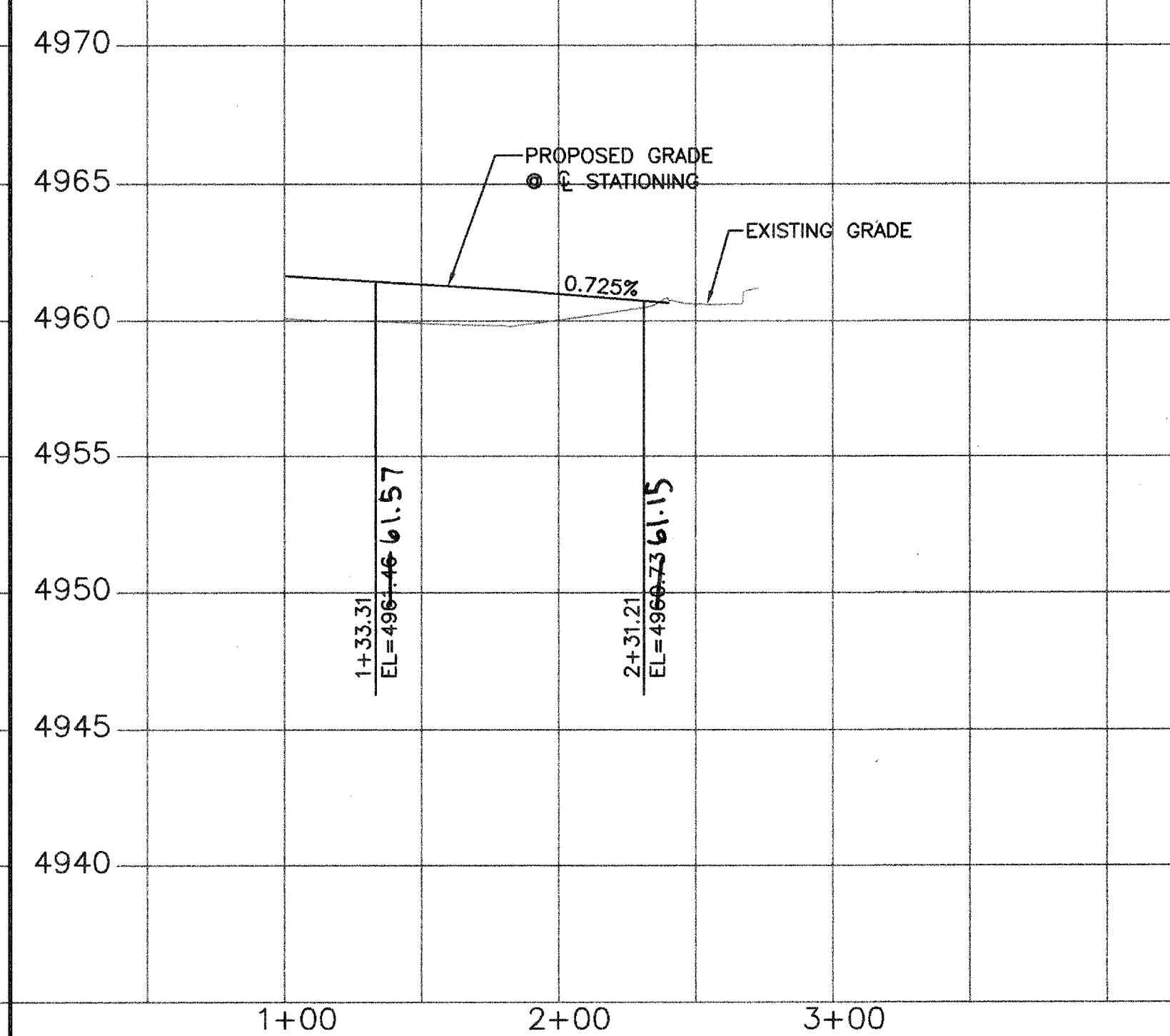
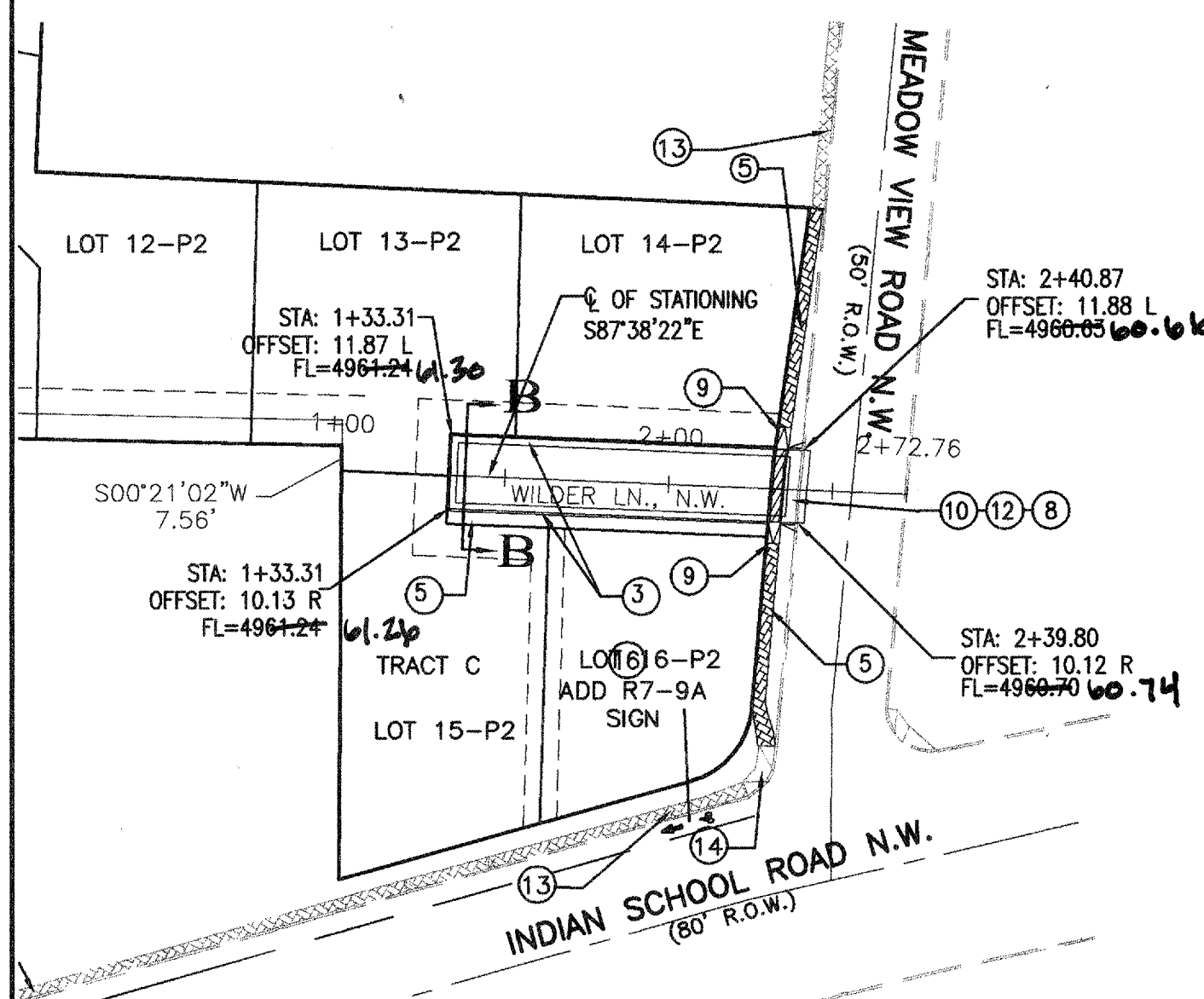
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD DIRECTION
C1	34.72	30.00	66°18'48"	19.60	32.82	S55°00'53"E
C2	54.17	30.00	103°27'02"	38.02	47.10	S25°18'05"W
C3	45.85	36.00	72°58'45"	26.63	42.82	N40°32'13"E
C4	21.45	14.00	87°46'53"	13.47	19.41	N47°56'17"E
C5	44.77	28.63	89°37'02"	28.43	40.35	S48°51'21"W
C6	79.19	50.63	89°37'02"	50.29	71.36	S48°51'21"W
C7	33.79	25.63	75°33'04"	19.86	31.39	N48°33'35"W
C8	12.81	25.63	28°39'07"	6.54	12.68	N79°20'15"E
C9	195.29	39.37	284°12'01"	30.65	48.37	N27°06'43"E
C10	24.32	15.00	92°54'19"	15.78	15.00	N41°11'13"W
C11	22.89	15.00	87°24'58"	14.34	15.00	N48°39'09"E

NOTE: IF R-VALUE IS LESS THAN 50 CONTRACTOR WILL REPLACE 2" OF SUBGRADE WITH MATERIAL WITH AN R-VALUE OF 50 OR GREATER.

12" SUBGRADE SOIL, R-VALUE=50, PLACED IN 2-6" COMPACTED LIFTS. 95% MIN. COMPACTION, AT OPT. MOISTURE ±2.0% ASTM D1557, OR OPT. MOISTURE TO +4% ASTM D698 FOR SOIL W/35% OR MORE MATERIAL PASSING THE NO. 200 SIEVE. TO EXTEND FULL WIDTH OF ROADWAY TO 1.0' BACK OF NEW CURB PER SECTION 301.4.1.1

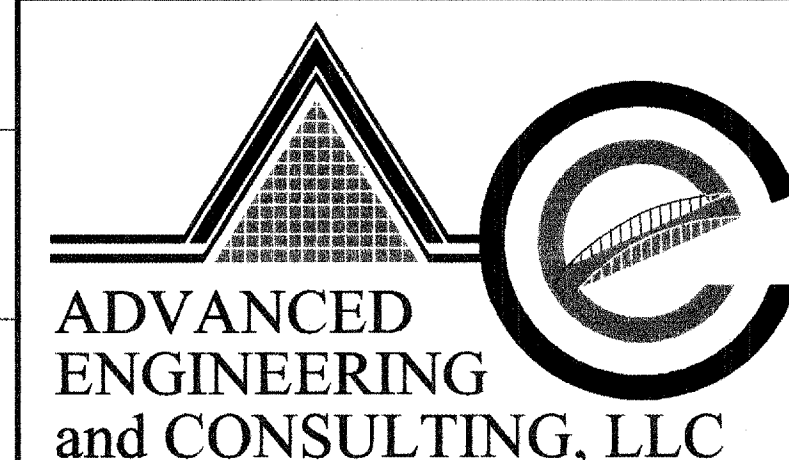


RESIDENTIAL PAVING SECTION
PER CITY PROJECT # 594082
NTS



ELEVATIONS ARE NAV 1929

RECORD DRAWINGS



ADVANCED
ENGINEERING
and CONSULTING, LLC

4416 ANAHEIM AVE. NE
ALBUQUERQUE, NEW MEXICO 87113
(505)899-5570

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **MANANITAS LANE / WILDER LANE
STREET IMPROVEMENTS**

DESIGN REVIEW COMMITTEE
APPROVED
FEB 19 2007
REVIEW COMMITTEE

CITY ENGINEER
APPROVED
MAY 22 2007
CITY ENGINEER

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

CITY PROJECT NO. 791581 ZONE MAP NO. H-13-Z SHEET 4 OF 7

SURVEY INFORMATION

FIELD NOTES

NO. BY DATE

NO. BY DATE

NO. BY DATE

NO. BY DATE

NO. BY DATE

NO. BY DATE

NO. BY DATE

NO. BY DATE

NO. BY DATE

NO. BY DATE

NO. BY DATE

NO. BY DATE

NO. BY DATE

NO. BY DATE

NO. BY DATE

NO. BY DATE

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NO. BY DATE

NO. BY DATE

NO. BY DATE

NO. BY DATE

NO. BY DATE

ENGINEER'S SEAL

SCALE: HORIZ. 1"=50'
VERT. 1"= 5'

SCALE: HORIZ. 1"=50'
VERT. 1"= 5'

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SCALE: HORIZ. 1"=50'
VERT. 1"= 5'

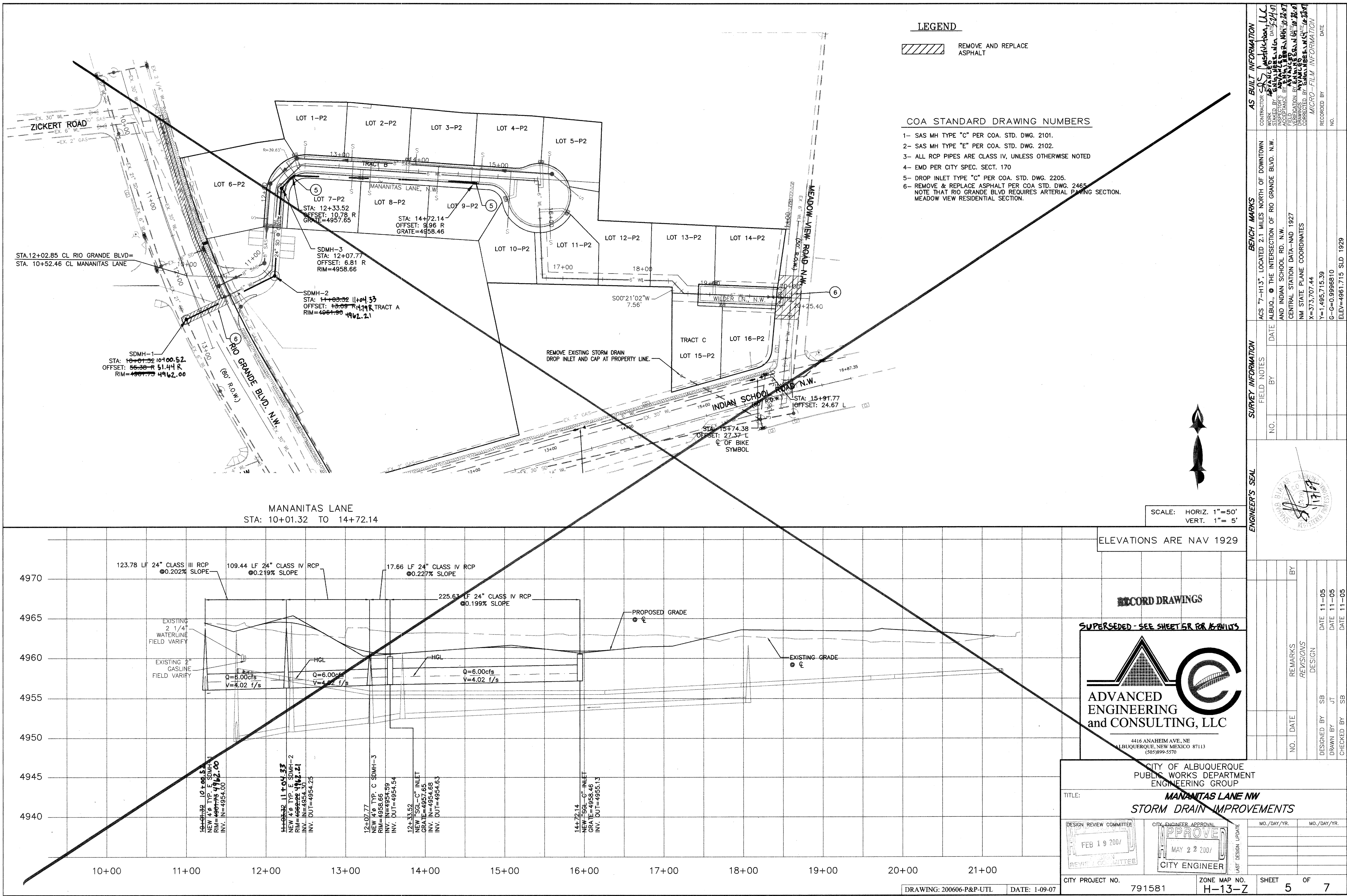
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VERT. 1"= 5'

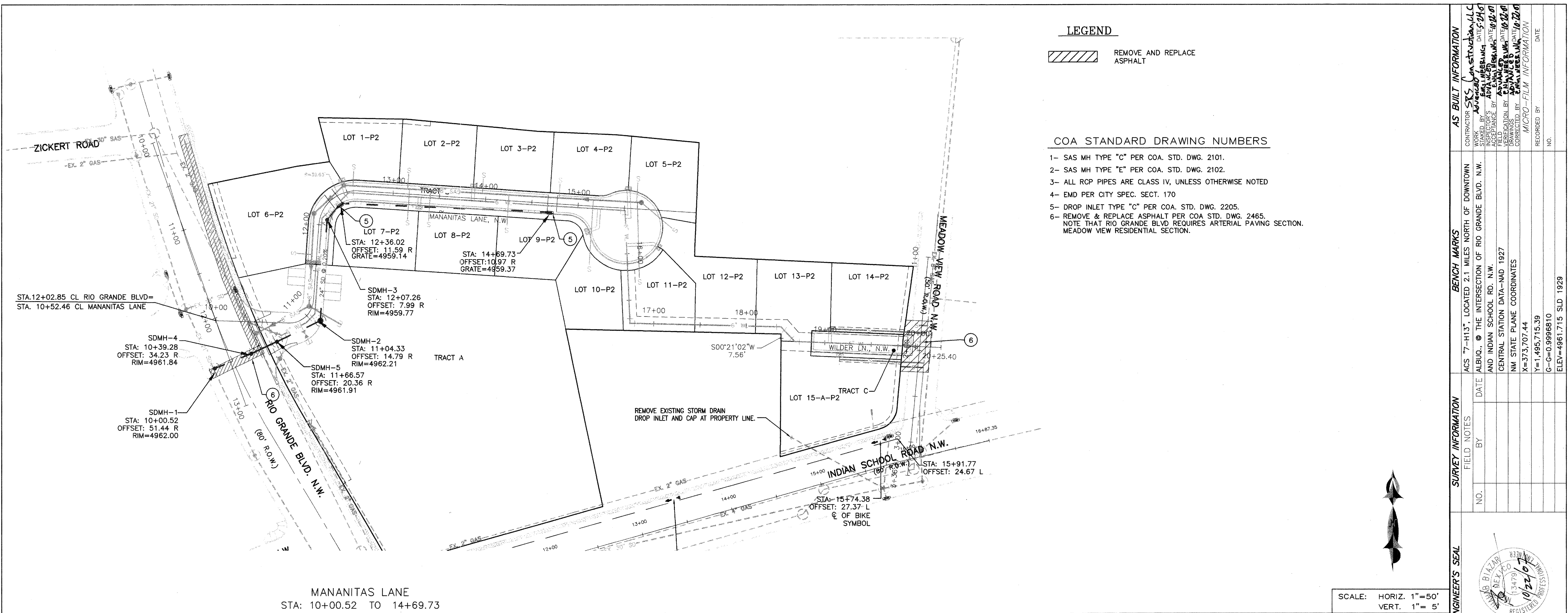
SCALE: HORIZ. 1"=50'
VERT. 1"= 5'

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VERT. 1"= 5'

SCALE: HORIZ. 1"=50'
VERT. 1"= 5'

SCALE: HORIZ. 1"=50'
VERT. 1"= 5'





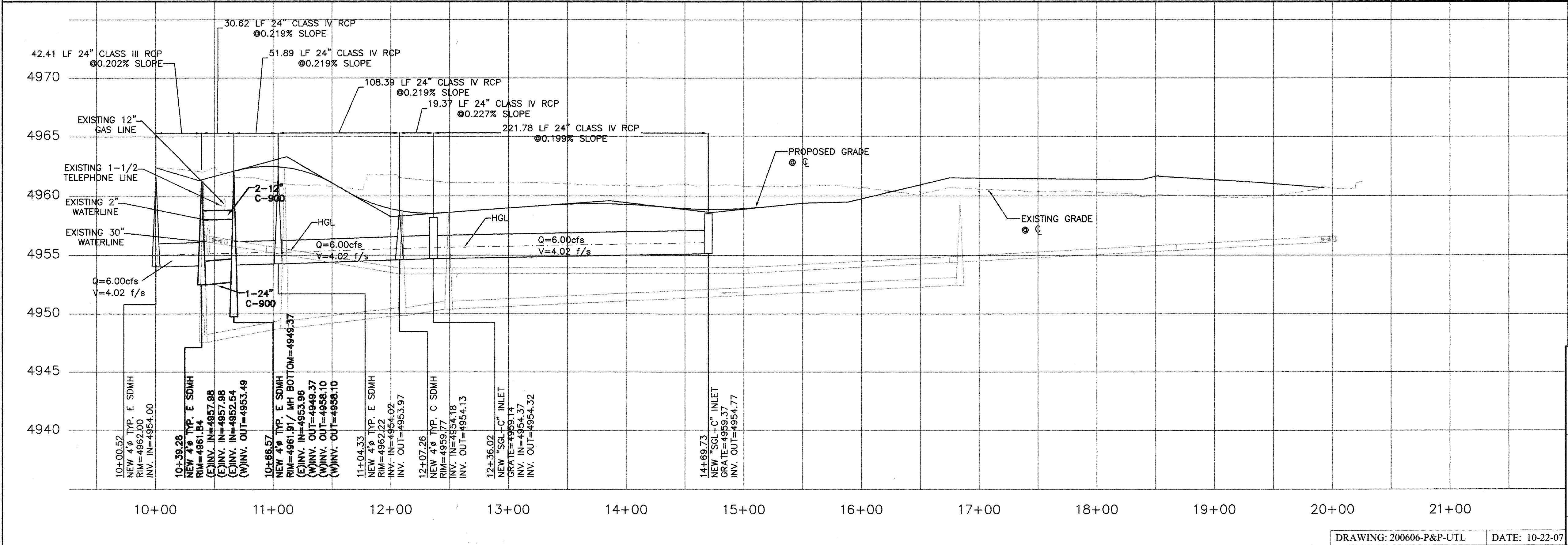
LEGEND

REMOVE AND REPLACE ASPHALT

COA STANDARD DRAWING NUMBERS

- 1- SAS MH TYPE "C" PER COA. STD. DWG. 2101.
- 2- SAS MH TYPE "E" PER COA. STD. DWG. 2102.
- 3- ALL RCP PIPES ARE CLASS IV, UNLESS OTHERWISE NOTED
- 4- EMD PER CITY SPEC. SECT. 170
- 5- DROP INLET TYPE "C" PER COA. STD. DWG. 2205.
- 6- REMOVE & REPLACE ASPHALT PER COA. STD. DWG. 2465.
NOTE THAT RIO GRANDE BLVD. REQUIRES ARTERIAL PAVING SECTION.
MEADOW VIEW RESIDENTIAL SECTION.

SCALE: HORIZ. 1"=50'
VERT. 1"= 5'



ELEVATIONS ARE NAV 1929



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: MANANITAS LANE NW STORM DRAIN IMPROVEMENTS	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
MO./DAY/YR.	MO./DAY/YR.
NO.	REMARKS
NO.	REVISIONS
DESIGNED BY: SB	DATE: 11-05
DRAWN BY: JT	DATE: 11-05
CHECKED BY: SB	DATE: 11-05
CITY PROJECT NO. 791581	ZONE MAP NO. H-13-Z
SHEET 5R	OF 7

SCANNED BY
PLANNING

COA STANDARD DRAWING NUMBERS

- 1- WATER VALVE BOXES PER COA. STD. DWG. 2326 & 2328.
- 2- FIRE HYDRANT PER COA. STD. DWG. 2340.
- 3- WATER METER BOX INSTALLATION PER COA. STD. DWG. #2361.
- 4- WATER METER BOX PER COA. STD. DWG. #2362. (ALL SERVICES 3/4")
- 5- WATER METER SERVICE LINE INSTALLATION PER COA. STD. DWG. #2386
- 6- SAS MH TYPE "C" PER COA. STD. DWG. 2101.
- 7- SAS MH TYPE "E" PER COA. STD. DWG. 2102.
- 8- SAS SVC LINE CONNECTION TO MAIN PER COA. STD. DWG. #2125 (4" SAS SVC).
- 9- EMD PER CITY SPEC. SECT. 170
- 10- REMOVE & REPLACE ASPHALT PER COA STD. DWG. #465.

RIO GRANDE ATERIAL SECTION.
MEADOW VIEW RESIDETIAL SECTION.

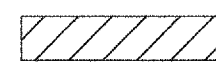
NOTE: ALL WATER METERS SHALL HAVE DUAL CHECK VALVES,
AND HEAVY DUTY BOX & LID.

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
6"x6"x4"	2	20
6"x6"x6"	2	20

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

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

LEGEND



REMOVE AND REPLACE
ASPHALT

SAS TABLE

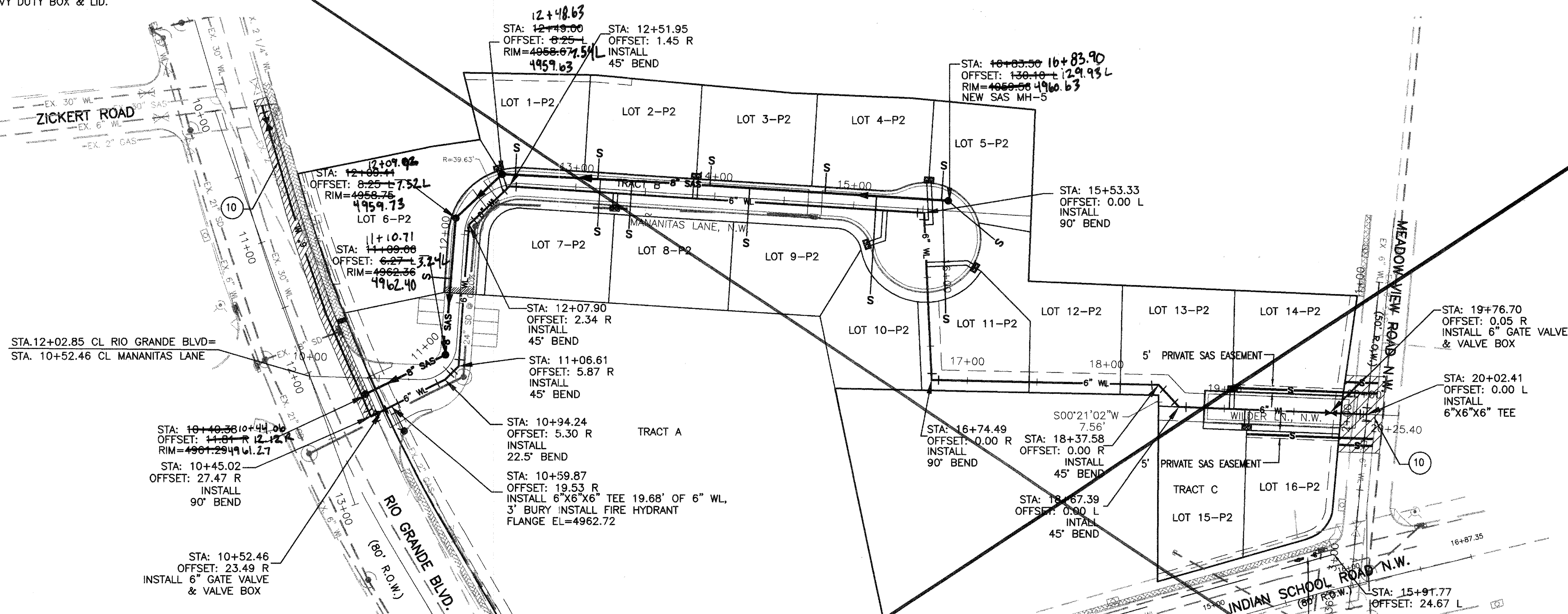
(4" SERVICES)

LOT	STATION	LF	INV. @ BASE	PAD ELEV.
1-P2	12+57.00 6.23 L	15.54	4952.80	4961.80
2-P2	13+15.47 6.68 L	15.02	4952.80	4961.80
3-P2	13+96.25 7.37 L	14.33	4952.80	4961.80
4-P2	14+79.04 7.33 L	14.37	4953.20	4961.80
5-P2	16+78.74 130.30 L	21.29	4954.80	4961.80
6-P2	11+67.30 7.29 L	14.41	4952.80	4961.80
7-P2	13+17.42 6.71 L	34.34	4952.60	4961.80
8-P2	13+40.10 7.01 L	34.64	4952.74	4961.80
9-P2	14+24.84 7.36 L	34.98	4953.26	4961.80
10-P2	15+16.12 7.31 L	71.21	4954.80	4961.80
11-P2	16+79.52 130.35 L	82.14	4955.17	4961.80
12-P2	16+83.50 130.10 L	43.78	4953.97	4961.80
13-P2	20+09.60 15.00 L	104.36	4954.00	4962.50
14-P2	20+10.00 22.50 L	24.28	4954.20	4962.20
15-P2	20+07.99 17.50 R	91.96	4954.20	4962.90
16-P2	20+07.59 22.50 R	24.79	4954.20	4962.20

WL TABLE

ALL SERVICES 3/4" UNLESS NOTED OTHERWISE

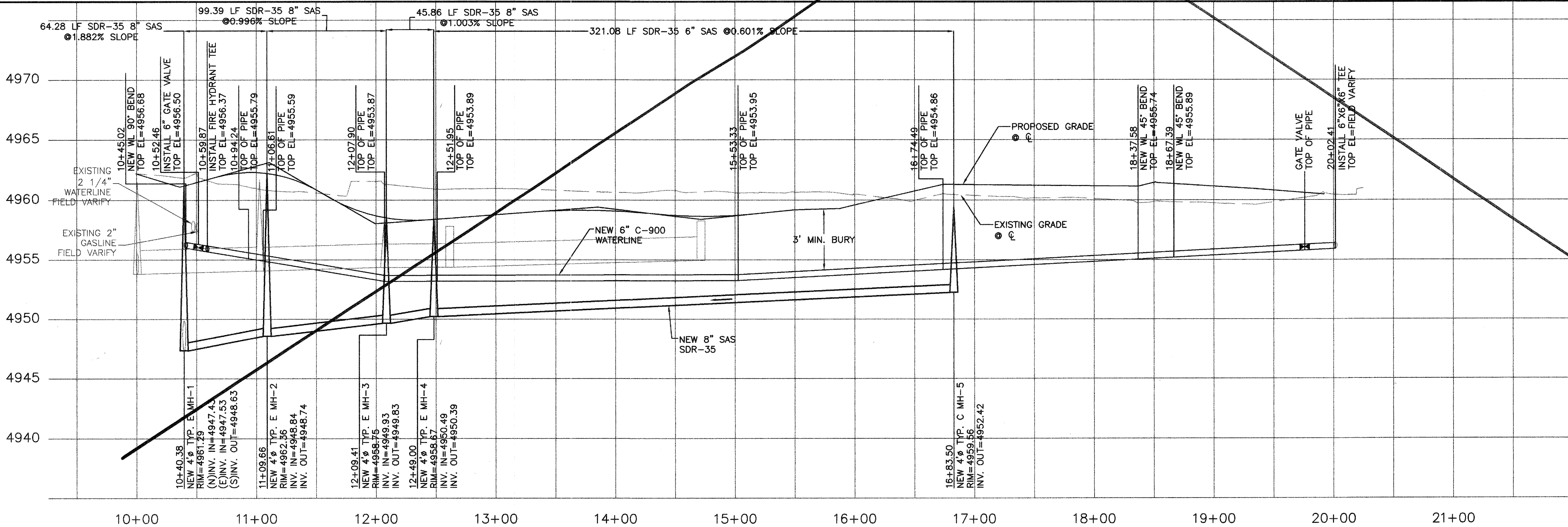
LOT	STATION	LF
1-P2	12+48.08	18.03
2-P2	13+85.98	16.13
3-P2	15+50.93	35.55
4-P2	13+28.83	10.87
5-P2	15+07.37	35.23
6-P2	15+97.45	36.90
7-P2	19+05.32	14.37
8-P2	19+16.49	12.62



NOTE:
1. ALL STATIONING IS CENTERLINE STATIONING.

SCALE: HORIZ. 1"=50'
VERT. 1"= 5'

ELEVATIONS ARE NAV 1929



RECORD DRAWINGS

SUPERSEDED - SEE SHEET 6R FOR AS-BUILT



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP
TITLE: **MANANITAS / WILDER LANE
UTILITY IMPROVEMENTS**

DESIGN REVIEW COMMITTEE
APPROVED
FEB 19 2007
DESIGN REVIEW COMMITTEE
CITY ENGINEER
APPROVED
MAY 22 2007
CITY ENGINEER
LAST DESIGN UPDATE

CITY PROJECT NO. 791581
ZONE MAP NO. H-13-Z
SHEET 6 OF 7

DRAWING: 200606-P&P-UTL
DATE: 1-14-07

COA STANDARD DRAWING NUMBERS

- 1- WATER VALVE BOXES PER COA. STD. DWG. 2326 & 2328.
- 2- FIRE HYDRANT PER COA. STD. DWG. 2340.
- 3- WATER METER BOX INSTALLATION PER COA. STD. DWG. #2361.
- 4- WATER METER SERVICE LINE INSTALLATION PER COA. STD. DWG. #2362. (ALL SERVICES 3/4")
- 5- WATER METER BOX PER COA. STD. DWG. #2386
- 6- SAS MH TYPE "C" PER COA. STD. DWG. 2101.
- 7- SAS MH TYPE "E" PER COA. STD. DWG. 2102.
- 8- SAS SVC LINE CONNECTION TO MAIN PER COA. STD. DWG. #2125 (4" SAS SVC).
- 9- EMD PER CITY SPEC. SECT. 170
- 10- REMOVE & REPLACE ASPHALT PER COA STD. DWG. 2465.

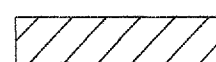
RIO GRANDE ATERIAL SECTION.
MEADOW VIEW RESIDETIAL SECTION.
NOTE: ALL WATER METERS SHALL HAVE DUAL CHECK VALVES,
AND HEAVY DUTY BOX & LID.

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
6"x6"x4"	2	20
6"x6"x6"	2	20

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

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

LEGEND



REMOVE AND REPLACE
ASPHALT

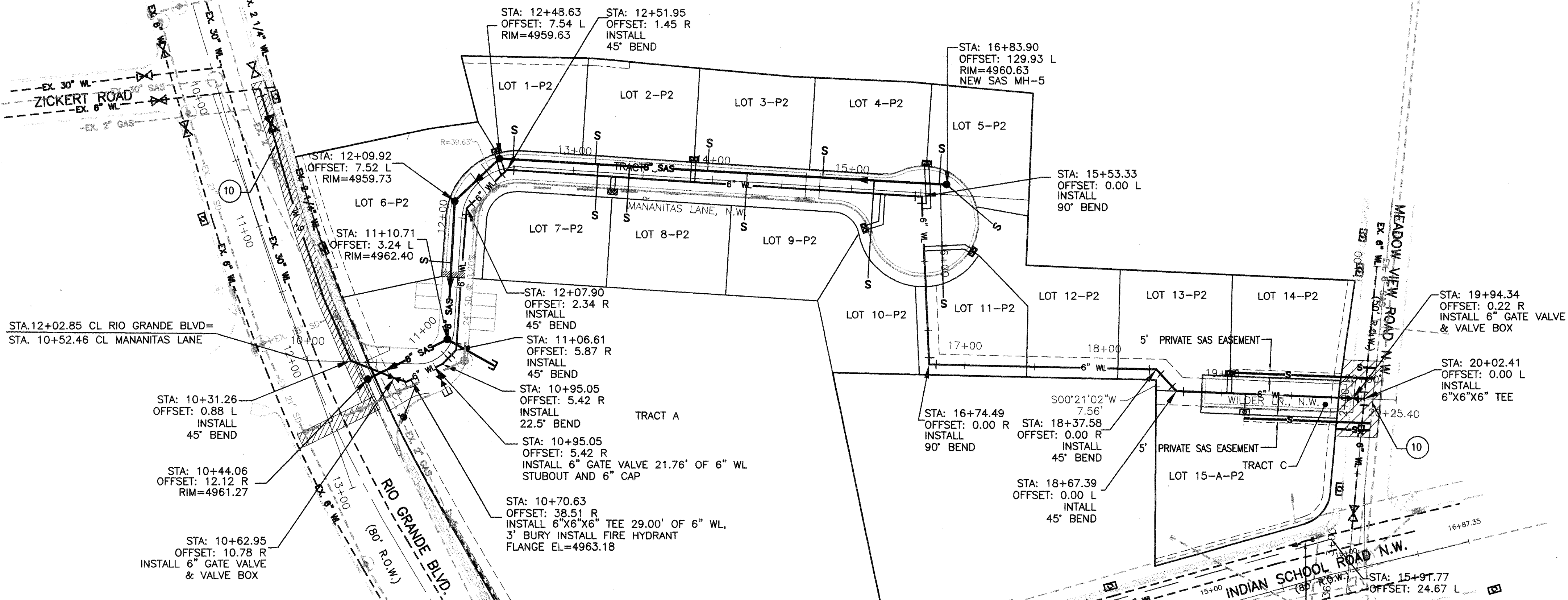
SAS TABLE
(4" SERVICES)

LOT	STATION	LF	INV. @ EASE	PAD ELEV.
1-P2	12+57.00 6.23 L	15.54	4952.80	4961.30
2-P2	13+15.47 6.68 L	15.02	4952.80	4961.37
3-P2	13+96.25 7.37 L	14.33	4952.80	4961.50
4-P2	14+79.04 7.33 L	14.37	4953.20	4961.47
5-P2	16+78.74 130.30 L	21.29	4954.80	4961.14
6-P2	11+67.30 7.29 L	14.41	4952.80	4961.26
7-P2	13+17.42 6.71 L	34.34	4952.60	4961.68
8-P2	13+40.10 7.01 L	34.64	4952.74	4961.59
9-P2	14+24.84 7.36 L	34.98	4953.26	4961.50
10-P2	15+16.12 7.31 L	71.21	4954.80	4961.40
11-P2	16+79.52 130.35 L	82.14	4955.17	4961.47
12-P2	16+83.50 130.10 L	43.78	4953.97	4961.55
13-P2	20+09.60 15.00 L	104.36	4954.00	4962.78
14-P2	20+10.00 22.50 L	24.28	4954.20	4962.23
15-P2	20+07.99 17.50 R	91.96	4954.20	4962.63

WL TABLE

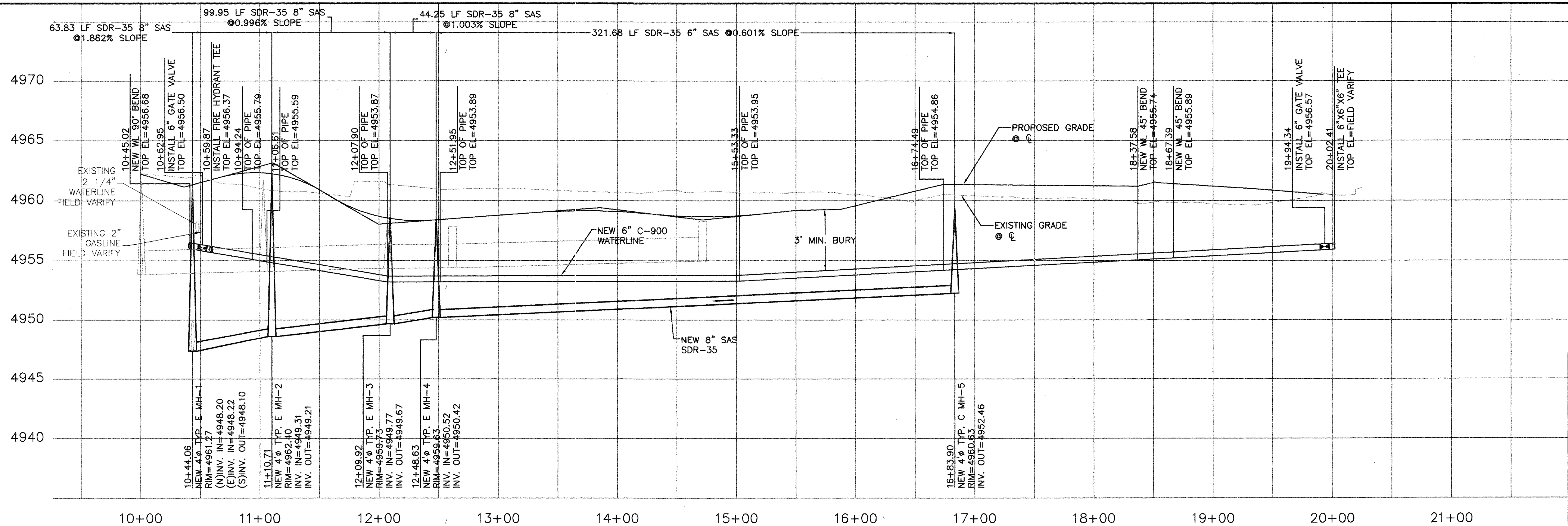
ALL SERVICES 3/4" UNLESS NOTED OTHERWISE

LOT	STATION	LF
1-P2	12+46.40	18.03
6-P2		
2-P2	13+86.01	16.13
3-P2		
4-P2	15+53.35	35.55
5-P2		
7-P2	13+28.78	10.87
8-P2		
9-P2	15+08.76	35.23
10-P2		
11-P2	15+96.00	36.90
12-P2		
13-P2	19+05.23	14.37
14-P2		
15-A-P2	19+16.82	12.62



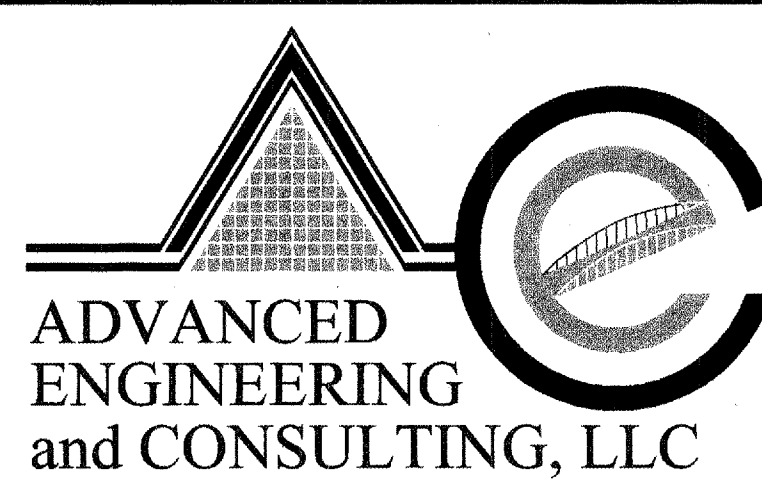
NOTE:
1. ALL STATIONING IS CENTERLINE STATIONING.

SCALE: HORIZ. 1"=50'
VERT. 1"= 5'



ELEVATIONS ARE NAV 1929

RECORD DRAWINGS



4416 ANAHEIM AVE. NE
ALBUQUERQUE, NEW MEXICO 87113
(505)899-5570

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP
TITLE: **MANANITAS / WILDER LANE
UTILITY IMPROVEMENTS**

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO. 791581 ZONE MAP NO. H-13-Z SHEET 6R OF 7

DRAWING: 200606-P&P-UTL

DATE: 10-22-07

AS BUILT INFORMATION

CONTRACTOR: **Advanced Engineering and Consulting, LLC**
WORK STARTED BY: **ALBUQUERQUE, NM**
DATE: **10/22/07**
ACCEPTED BY: **ALBUQUERQUE, NM**
DATE: **10/22/07**
FIELD SUPERVISOR: **ALBUQUERQUE, NM**
DATE: **10/22/07**
CORRECTED BY: **ALBUQUERQUE, NM**
DATE: **10/22/07**
MICRO-FILM INFORMATION
RECORDED BY: **ALBUQUERQUE, NM**
DATE: **10/22/07**

BENCH MARKS

ACS "7"-H13", LOCATED 2.1 MILES NORTH OF DOWNTOWN
ALBUQ., @ THE INTERSECTION OF RIO GRANDE BLVD. N.W.
AND INDIAN SCHOOL RD. N.W.
CENTRAL STATION DATA-NAD 1927
NM STATE PLANE COORDINATES
X=373,707.44
Y=1,495,715.39
G-G=0.9996810
ELEV=4961.715 SLD 1929

SURVEY INFORMATION

FIELD NOTES
DATE
BY
NO.

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
NO. 10226
DATE 10/22/07

REMARKS
DESIGN
NO. DATE
DESIGNED BY JT DATE 11-05
DRAWN BY JT DATE 11-05
CHECKED BY SB DATE 11-05

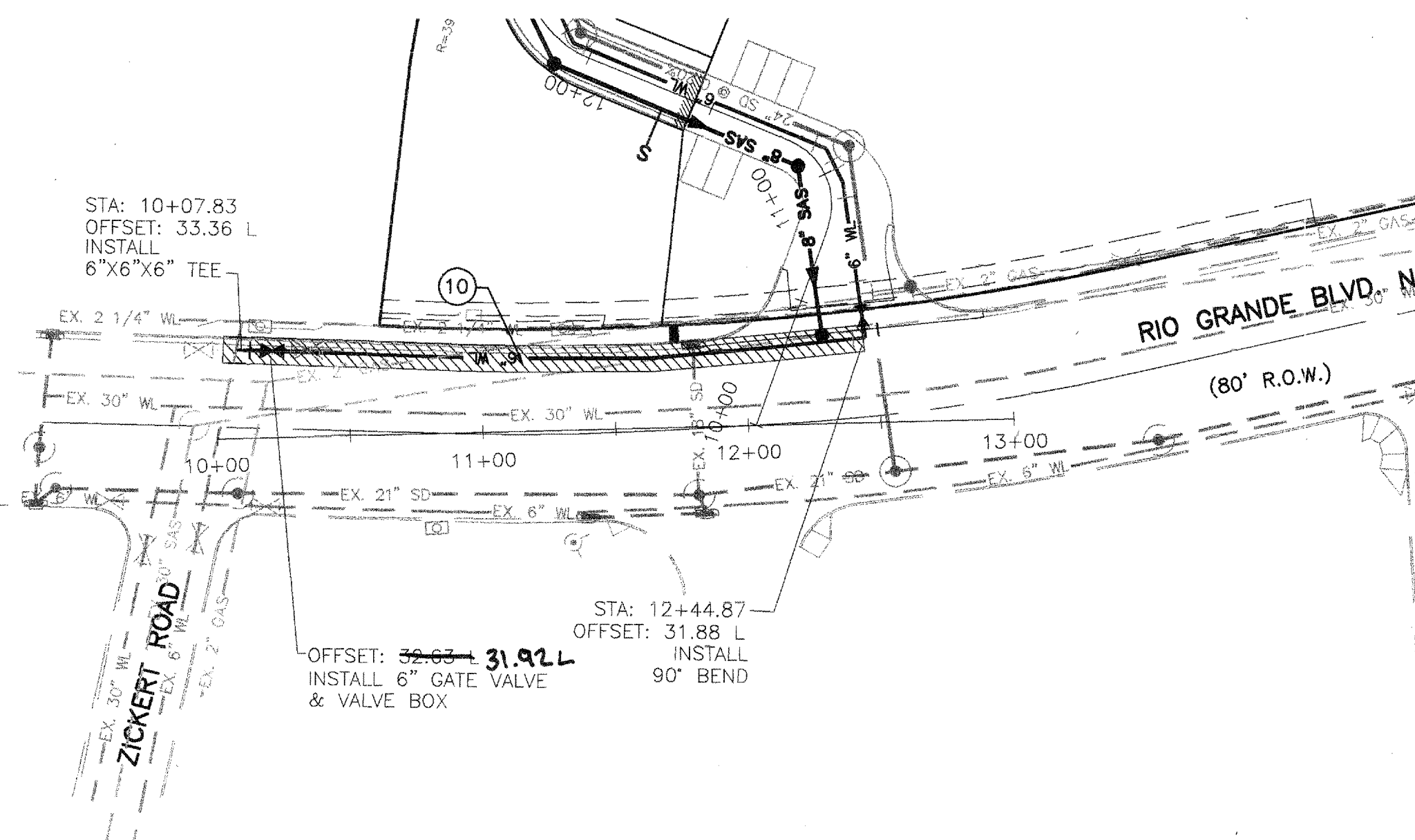
COA STANDARD DRAWING NUMBERS

- 1- WATER VALVE BOXES PER COA. STD. DWG. 2326 & 2328.
- 2- FIRE HYDRANT PER COA. STD. DWG. 2340.
- 3- WATER METER BOX INSTALLATION PER COA. STD. DWG. #2361.
- 4- WATER METER SERVICE LINE INSTALLATION PER COA. STD. DWG. #2362. (ALL SERVICES 3/4")
- 5- WATER METER BOX PER COA. STD. DWG. #2366.
- 6- SAS MH TYPE "C" PER COA. STD. DWG. 2101.
- 7- SAS MH TYPE "E" PER COA. STD. DWG. 2102.
- 8- SAS SVC LINE CONNECTION TO MAIN PER COA. STD. DWG. #2125 (4" SAS SVC).
- 9- EMD PER CITY SPEC. SECT. 170
- 10- REMOVE & REPLACE ASPHALT PER COA STD. DWG. 2426.

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
6"x6"x4"	2	20
6"x6"x6"	2	20

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

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



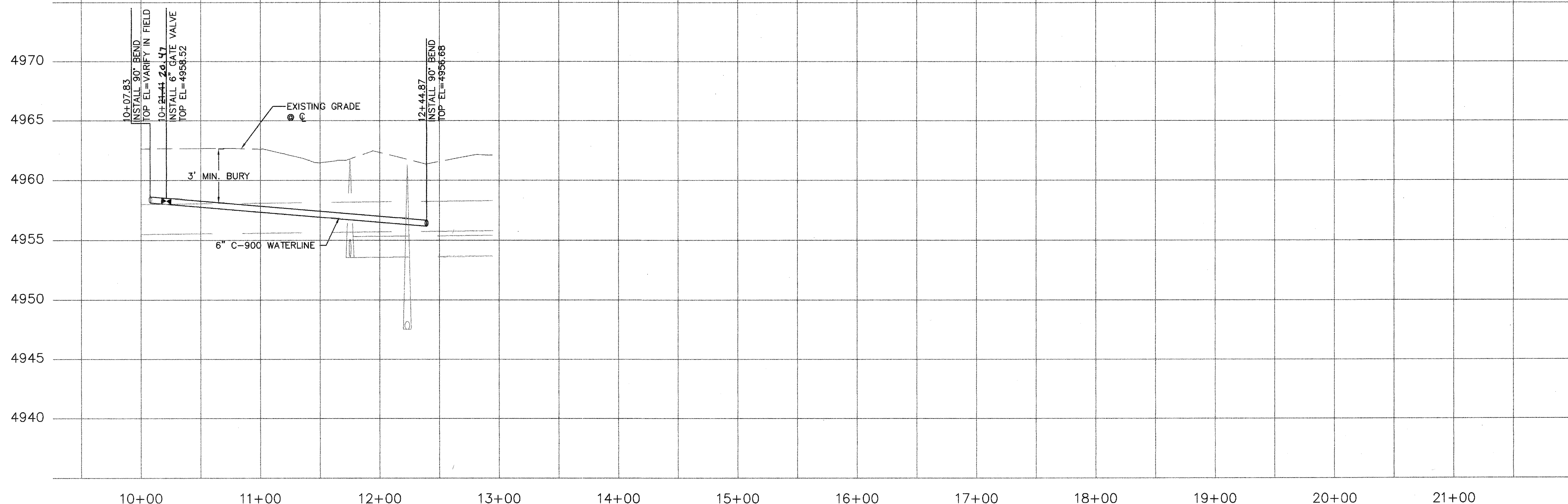
RIO GRANDE BLVD
STA. 10+07.85 TO 12+54.88

LEGEND

- REMOVE AND REPLACE ASPHALT
- GARDEN WALL
- RETAINING WALL
- EXISTING CURB & GUTTER
- STANDARD CURB & GUTTER
- ROLLING CURB & GUTTER
- SIDEWALKS
- NEW TEMPORARY ASPHALT
- NEW PERMANENT PAVEMENT
- REMOVE EXIST. TEMP. ASPHALT AND REPLACE W/PERMANENT PAVEMENT PER BARSTOW STREET SECTION
- REMOVE EXIST. TEMP. ASPHALT AND REPLACE W/PERMANENT PAVEMENT PER SIGNAL STREET SECTION
- CUT EXIST. PERMANENT ASPHALT AND REPLACE W/PERMANENT PAVEMENT PER COA STD DWG #2465

SCALE: HORIZ. 1"=50'
VERT. 1"= 5'

ELEVATIONS ARE NAV 1929



RECORD DRAWINGS

ADVANCED ENGINEERING and CONSULTING, LLC

4416 ANAHEIM AVE., NE
ALBUQUERQUE, NEW MEXICO 87113
(505)899-5570

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: RIO GRANDE BLVD NW RIO GRANDE UTILITY IMPROVEMENTS	
DESIGN REVIEW COMMITTEE APPROVED FEB 19 2007 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVED MAY 22 2007 CITY ENGINEER
ZONE MAP NO. 791581	SHEET 7 OF 7

CONTRACTOR SAS Construction, LLC	DATE 5/24/07
INSPECTOR ALBUQUERQUE	DATE 5/24/07
ACCEPTANCE BY ALBUQUERQUE	DATE 5/24/07
VERIFICATION BY ALBUQUERQUE	DATE 5/24/07
DRAWING NO. 200606-P&P-UTL	DATE 1-13-07
RECORDED BY MICRO-FILM INFORMATION	DATE NO.