

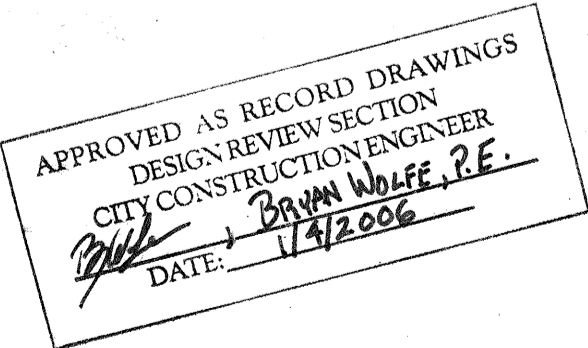
PUBLIC INFRASTRUCTURE IMPROVEMENTS
FOR
SANITARY SEWER MANHOLE

PREPARED FOR:
ED HADDAWAY

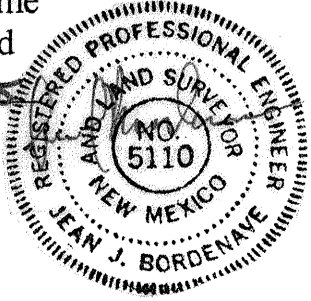
PREPARED BY:
RHOMBUS P.A., INC.
2620 SAN MATEO BLVD NE, SUITE B
ALBUQUERQUE NEW MEXICO 87110

INDEX TO DRAWINGS

SHEET NO.	TITLE
1	COVER SHEET
2	FINAL PLAT
3	SANITARY SEWER PLAN & PROFILE - RIO GRANDE BLVD., NW. (250 FT NORTH OF ZICKERT RD. NW)

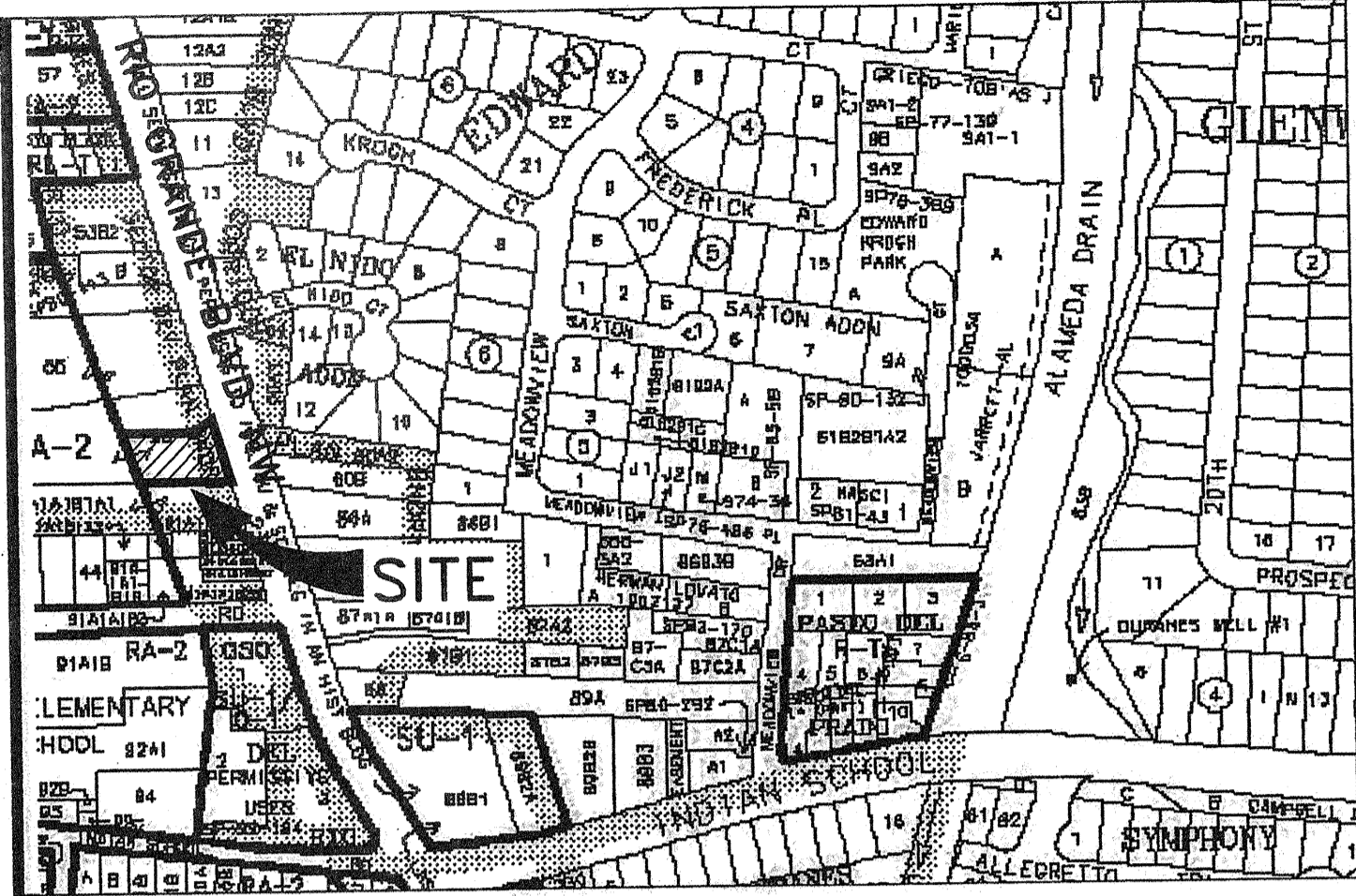


I, Jean J. Bordenave, of the firm of Bordenave designs, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to The best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct 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 on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direct supervision and survey information provided by Jean J. Bordenave, NMPE number 27445



GENERAL NOTES

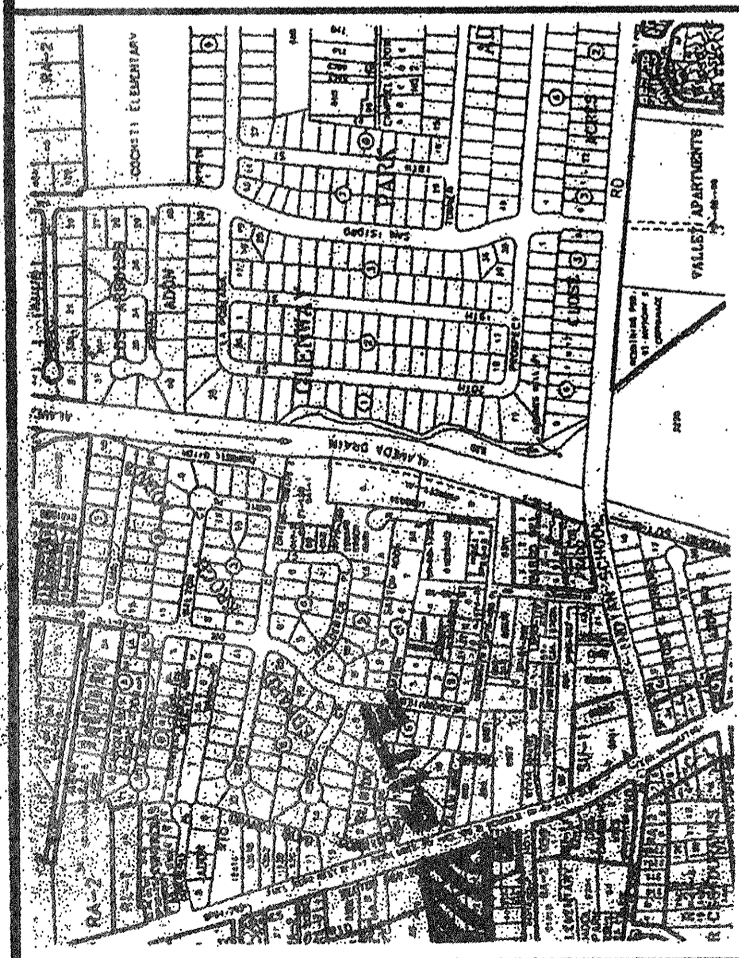
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1986 EDITION AS AMENDED WITH UPDATE NO. 7.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- 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 PRIOR COMMENCING THE WORK, SO THE CONFLICT CAN BE RESOLVED WITH MINIMUM DELAY.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, INC. @ 260-1009 FOR LOCATION OF EXISTING UTILITIES.
- CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN A MANNER WHICH WILL MINIMIZE INTERFERENCE WITH LOCAL TRAFFIC. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES RULES AND REGULATIONS AND ORDERS OF ANY PUBLIC BODY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OR PROPERTY, AND TO PROTECT THEM FROM DAMAGE, INJURY, OR LOSS. CONTRACTOR SHALL ERECT AND MAINTAIN AS REQUIRED BY THE CONDITIONS AND PROGRESS OF THE WORK, ALL NECESSARY SAFEGUARDS FOR SAFETY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS, THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR SHALL ADHERE TO SECTION 19 OF THE GENERAL CONDITIONS THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986, AS AMENDED WITH UPDATE NO. 7.
- TRAFFIC CONTROL: FIVE WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE, TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY THE BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION, SEE SECTION 19 OF THE SPECIFICATIONS. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO THE SAME LOCATION AS EXISTING OR AS SHOWN IN THIS PLAN SET AT NO ADDITIONAL COST TO THE OWNER.
- WHEN ABUTTING NEW PAVEMENT TO EXISTING, SAWCUT EXISTING PAVEMENT TO A STRAIGHT EDGE AND AT A RIGHT ANGLE, OR AS APPROVED BY THE FIELD ENGINEER. REMOVAL OF BROKEN OR CRACKED PAVEMENT WILL ALSO BE REQUIRED.
- EXISTING CURB AND GUTTER, SIDEWALK, PAVEMENT, W.C.R.MPS NOT TO BE REMOVED UNDER THE CONTRACT WHICH ARE DAMAGED OR DISPLACED BY THE CONTRACTOR, SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS EXPENSE AND PER CITY STANDARDS.
- ALL FINAL BACKFILL FOR TRENCHES SHALL BE COMPACTED TO A MINIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY SECTION 701.14.2 AND STANDARD DRAWING NUMBER 2315.
- ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC. WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT OF WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET OR INTO ANY PUBLIC DRAINAGE FACILITY.
- PROPOSED WATER LINE MATERIALS SHALL BE EITHER PVC PIPE MEETING AWWA C900 REQUIREMENTS (6"-12") OR DUCTILE IRON PIPE, THICKNESS CLASS 50 (6"-16").
- ALL SANITARY SEWER LINE STATIONING REFERS TO SANITARY SEWER CENTERLINE STATIONING.
- ALL FITTINGS ON WATERLINE SHALL HAVE RESTRAINED JOINTS AS NOTED ON THE PLANS.
- CONTRACTOR SHALL SUPPORT ALL EXISTING, UNDERGROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION, PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND/OR SEWER LINE COSTS.



LOCATION MAP
NOT TO SCALE
MAP NO: H-13-Z

- CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF RECORD DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND MAINTAINING ALL EXISTING MONUMENTATION CONTROLS. IN THE EVENT OF INADVERTENT DESTRUCTION OR ALTERATION, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE CITY SURVEYOR.
- PNM SHALL PROVIDE AT NO COST TO THE CITY OR THE CONTRACTOR THE REQUIRED PERSONNEL FOR INSPECTION OR OBSERVATION DEEMED NECESSARY BY PNM WHILE CONTRACTOR IS EXPOSING PNM'S CABLES. HOWEVER, THE CONTRACTOR SHALL BE CHARGED THE TOTAL COST ASSOCIATED WITH REPAIRS TO ANY DAMAGED CABLES OR FOR ANY COST ASSOCIATED WITH SUPPORTING AND RELOCATING THE POLES AND CABLES DURING CONSTRUCTION.
- WARNING: EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.
- THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPES OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES, IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "NEW MEXICO ONE CALL SYSTEM" PROCEDURES, OR OTHERWISE.
- THE 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 IS LOCATED, THE 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 WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES 24 HOURS CONSTRUCTION.
- THE CONTRACTOR AGREES THAT HE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE OWNER, AND THE ENGINEER FROM ANY AND ALL LIABILITY REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- 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.
- ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

DRB-1001568							
REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEER'S STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	* * * * *		
		DRD Chairman	<i>[Signature]</i>	8-2-05	APPROVED FOR CONSTRUCTION		
		Transportation	<i>[Signature]</i>	7/29/05			
		Water/Wastewater	<i>[Signature]</i>	7/21/05			
		Hydrology	<i>[Signature]</i>	7/19/05			
		Parks	<i>[Signature]</i>				
		Constr. Mngmt.	<i>[Signature]</i>	8-2-05	City Engineer <i>[Signature]</i> Date 9-16-05		
		Constr. Coord.	<i>[Signature]</i>				
		City Project No.			Sheet 1 of 3		

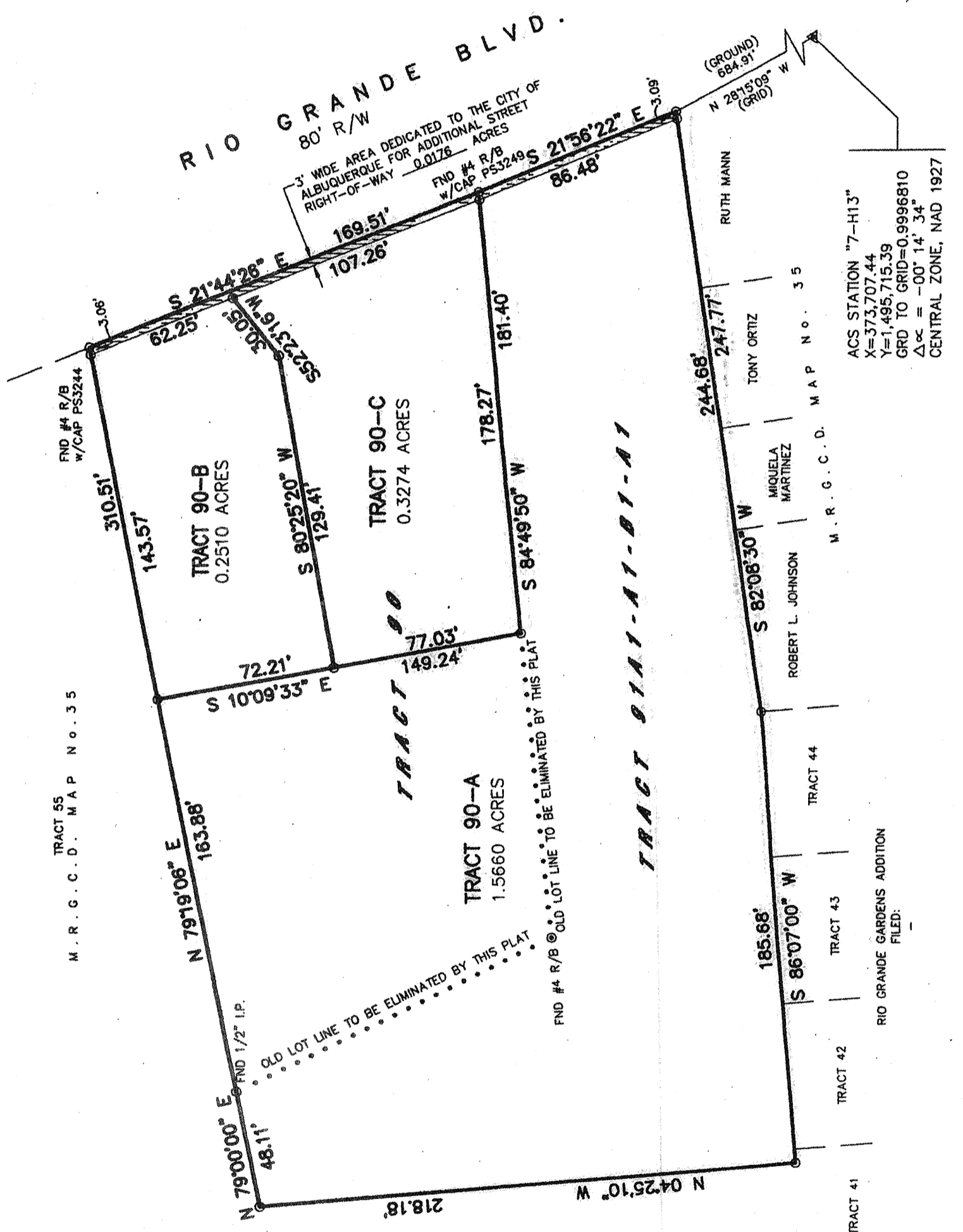


VICINITY MAP No. H-13

LEGAL DESCRIPTION
TRACTS 90 AND 91-A-1-A-1-B-1-A-1 AS SHOWN ON THE
MIDDLE RIO GRANDE CONSERVANCY DISTRICT MAP No. 35.

PLAT OF
TRACTS 90-A, 90-B and 90-C
M.R.G.C.D. MAP No. 35
WITHIN
SECTION 7, TOWNSHIP 10 NORTH, RANGE 3 EAST, N.M.P.M.
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
JULY, 2005

PROJECT NUMBER:	
APPLICATION NUMBER:	
UTILITY APPROVALS:	
PNM ELECTRIC SERVICES	DATE
PNM GAS SERVICES	DATE
QWEST TELECOMMUNICATIONS	DATE
COMCAST	DATE
NEW MEXICO UTILITIES	DATE
CITY APPROVALS:	
CITY SURVEYOR	DATE
*REAL PROPERTY DIVISION (CONDITIONAL)	DATE
*ENVIRONMENTAL HEALTH DEPARTMENT (CONDITIONAL)	DATE
TRAFFIC ENGINEERING, TRANSPORTATION DIVISION	DATE
UTILITIES DEVELOPMENT	DATE
PARKS AND RECREATION DEPARTMENT	DATE
AMAFCA	DATE
CITY ENGINEER	DATE
DRB CHAIRPERSON, PLANNING DEPARTMENT	DATE



- PURPOSE OF PLAT:
THE PURPOSE OF THIS PLAT IS TO DIVIDE THE TWO (2)
TRACTS INTO THREE (3) TRACTS AND GRANT ANY
EASEMENTS AS SHOWN.
- GENERAL NOTES:
1: UNLESS NOTED, NO. 4 REBAR WITH CAP STAMPED
P.S.#1463 WERE SET AT ALL PROPERTY CORNERS.
2: THIS PLAT SHOWS ALL EASEMENTS OF RECORD.
3: TOTAL AREA OF PROPERTY: 2.1560 ACRES.
4: TALOS LOG NO. _____
5: BASIS OF BEARINGS IS THE NEW MEXICO STATE PLANE
COORDINATE SYSTEM, CENTRAL ZONE, NAD 1927.
6: DISTANCES ARE GROUND, BEARINGS ARE GRID.
7: BEARINGS AND DISTANCES SHOWN IN PARENTHESIS ARE RECORD.
8: DATE OF FIELD WORK: _____
9: CURRENT ZONING: _____

FOR REFERENCE
ONLY

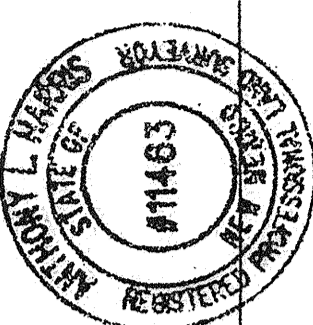
FREE CONSENT
THE SUBDIVISION HEREON DESCRIBED IS WITH THE FREE CONSENT
AND IN ACCORDANCE WITH THE DESIRES OF THE UNDERSIGNED
OWNERS AND PROPRIETOR THEREOF, SAID OWNER / PROPRIETOR
DOES HEREBY GRANT ANY AND ALL EASEMENTS, MAY BE
CREATED BY THIS PLAT, TO THE STATE OF NEW MEXICO, FOR
THE PURPOSE OF THE COMPLETE AND INDEFENSIBLE
TITLE IN FEE SIMPLE TO THE LAND SUBDIVIDED.

ACKNOWLEDGMENT
STATE OF NEW MEXICO) S.S.
COUNTY OF BERNALILLO)
THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME A NOTARY PUBLIC
THIS _____ DAY OF _____ 20____
BY: _____
OWNERS NAME
MY COMMISSION EXPIRES: _____ BY: _____ NOTARY PUBLIC

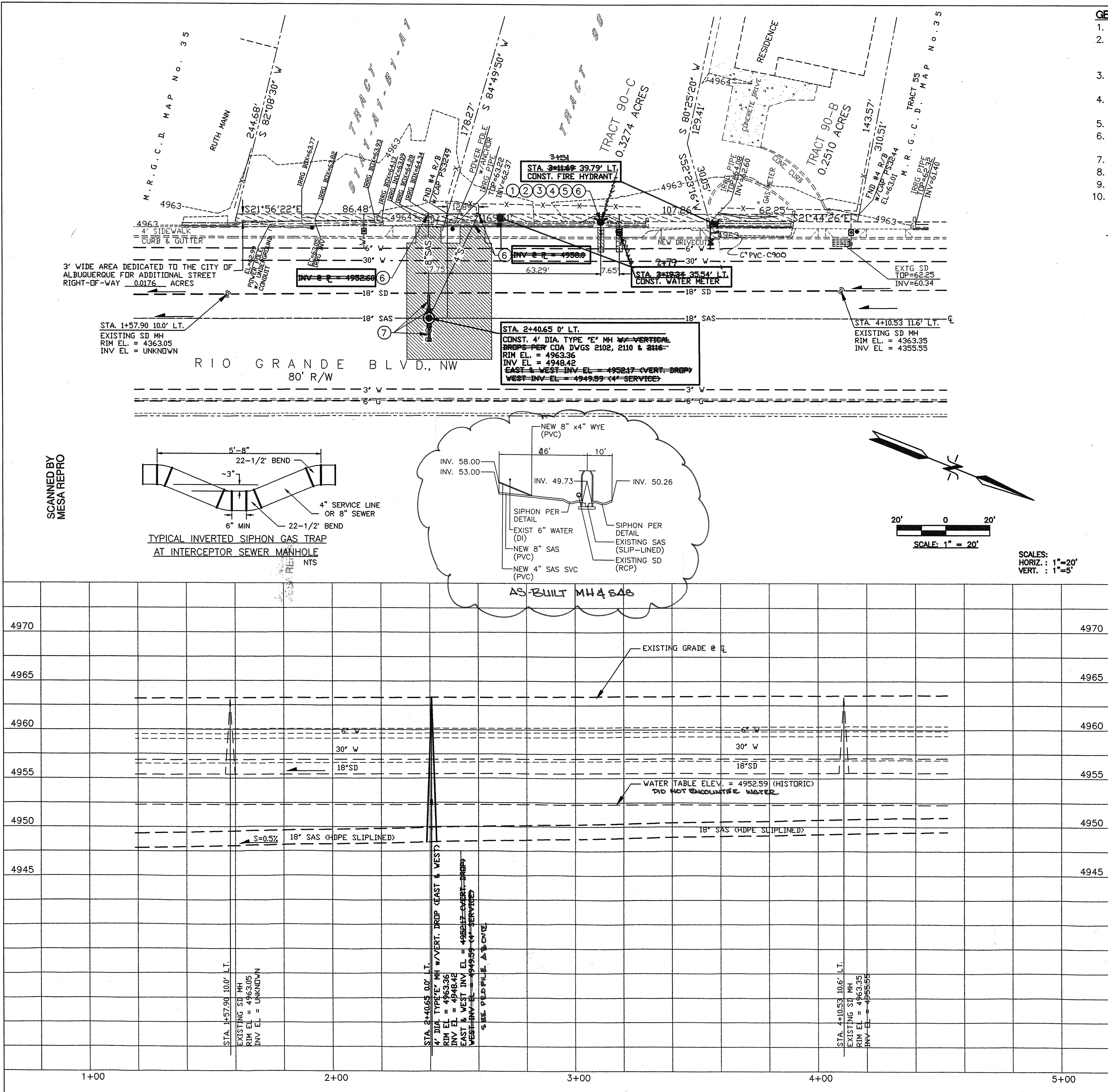
THIS IS TO CERTIFY THAT TAXES ARE CURRENT AND PAID ON
UPC# _____
PROPERTY OWNER OF RECORD: _____
BERNALILLO CO. TREASURER'S OFFICE: _____

SURVEYORS CERTIFICATE:
STATE OF NEW MEXICO) S.S.
COUNTY OF BERNALILLO)
I, ANTHONY L. HARRIS, A DULY PROFESSIONAL LICENSED LAND SURVEYOR, UNDER THE LAWS OF THE STATE
OF NEW MEXICO, DO HEREBY CERTIFY THAT THE PLAT WAS PREPARED UNDER MY DIRECT SUPERVISION,
THAT I AM RESPONSIBLE FOR SAID PLAT AND MEETS THE REQUIREMENTS FOR MONUMENTATION AND
SURVEYING. I HAVE REVIEWED THE SUBDIVISION ORDINANCE AND THE MINIMUM REQUIREMENTS FOR
KNOWLEDGE AND BELIEF AND BELIEVE THE MINIMUM REQUIREMENTS FOR LAND SURVEYS AS SET
FORTH BY THE STATE OF NEW MEXICO.

GIVEN UNDER MY HAND AND SEAL AT ALBUQUERQUE, NEW MEXICO,
THIS 7th DAY OF July, 2005.



ANTHONY L. HARRIS, S. # 11463
ANTHONY L. HARRIS, SURVEYING, INC.
1115-10th Street, N.E.
ALBUQUERQUE, NEW MEXICO 87110
PHONE: (505) 889-8068
FAX: (505) 889-8045



GENERAL NOTES:

1. CONTOUR INTERVAL IS ONE (1) FOOT.
2. UTILITY LOCATIONS SHOWN ARE APPROXIMATE, BASED ON FIELD EVIDENCE AND "AS-BUILT" DRAWINGS. DEPTHS AND LOCATIONS OF ALL UNDERGROUND UTILITIES SHALL BE VERIFIED BY OTHERS PRIOR TO EXCAVATION.
3. THIS IS NOT A BOUNDARY SURVEY. BEARINGS AND DISTANCES SHOWN ARE FOR REFERENCE ONLY.
4. CONSTRUCT DROP MANHOLE, 240.65' UPSTREAM FROM MANHOLE AT RIO GRANDE BLVD. AND ZICKERT ROAD, NW, PER COA STD DWGS 2102 & 2116.
5. CONSTRUCT FIRE HYDRANT, PER COA STD DWG 2340.
6. CONSTRUCT 3/4" METERED WATER SERVICE WITH CONTRACTOR-INSTALLED DUAL CHECK VALVE METER SETTER PER COA STD DWG 2362.
7. CONSTRUCT ARTERIAL PAVEMENT CUTS, PER COA STD DWG 2465.
8. CONSTRUCT REPLACEMENT SIDEWALK, PER COA STD DWG 2430.
9. CONSTRUCT REPLACEMENT CURB & GUTTER, PER COA STD DWG 2415A.
10. PLUG 8" DEAD-END SEWER AND INSTALL MARKER DISK, PER COA STD DWG 2145.

UTILITY LEGEND

DESCRIPTION	PROPOSED	EXISTING
SANITARY AND SEWER LINE	8"SAS	8"SAS
SANITARY SEWER MANHOLE		
4" SAS SERVICE CONNECTION	S	S
STORM DRAIN LINE	SD	SD
STORM DRAIN MANHOLE		
STORM DRAIN INLETS		
WATER LINE	8"W	8"W
GATE VALVE		
3/4" WATER SERVICE/METER		
FIRE HYDRANT w/ GATE VALVE		
GAS MAIN	6"G	6"G

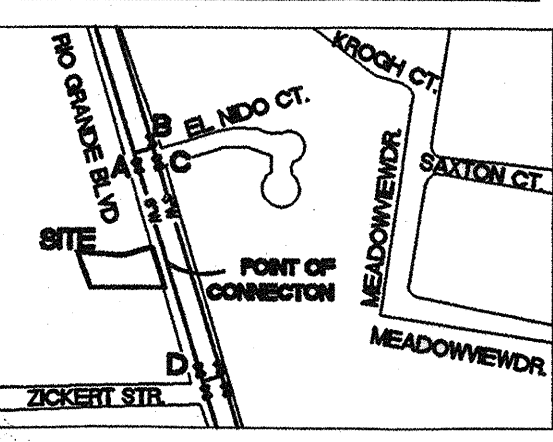
LEGEND

---	PROPERTY LINE
-x-x-x-x-x-	FENCE LINE
=====	IRRIGATION DITCH FLOWLINE
=====	1' 6" CONCRETE GUARDWALL (8" THICK)
=====	3' DIA. STEEL GUARDRAIL (2 RAILS)
----->	GUY ANCHOR
----->	POWER POLE
----->	EXISTING ELEVATION
----->	CONTOUR
----->	EXTENT OF ASPHALT, SIDEWALK, CURB & GUTTER REMOVAL/REPLACEMENT

KEYED NOTES:

1. CUT 6" GAP IN GUARDRAIL & GUARDWALL. LOOP, SPLICE & WELD GUARDRAIL. GRIND WELDS SMOOTH. PAINT TO MATCH EXISTING.
2. CUT GUARDWALL FLUSH W/ TOP OF SIDEWALK.
3. CONST. HYDRANT, PER COA STD DWG 2340, 1'-9" OFF BACK OF SIDEWALK.
4. CAST 6' X 2'-7" X 6" THICK CONCRETE SLAB CENTERED ON HYDRANT.
5. REROUTE PRIVATE DITCH AROUND HYDRANT.
6. BORE HYDRANT & WATER/SEWER SERVICE CONNECTIONS BENEATH GUARDWALL AND/OR PRIVATE DITCH INVERT.
7. INSTALL INVERTED SIPHON GAS TRAP IN 4" & 8" SEWER CONNECTIONS.

WATER SHUT-OFF PLAN



1. NOTIFY CITY OF ALBUQUERQUE WATER SYSTEMS DIVISION (PHONE 857-8200) AT LEAST SEVEN (7) WORKING DAYS PRIOR TO THE EXECUTION OF THE WATER SHUT-OFF PLAN.
2. ONLY WATER SYSTEMS DIVISION PERSONNEL ARE AUTHORIZED TO OPERATE VALVES.
3. CLOSE VALVES A, B, C & D, DURING UNPRESSURIZED CONNECTIONS TO 6" WATER MAIN IN RIO GRANDE BLVD.

FITTING DESCRIPTION	RESTRAINED JOINT LENGTH
6"x 6" TEE	8' @ 6" SIDE,

AS BUILT INFORMATION

CONTRACTOR: TJC

DATE: 10/05

DESIGNED BY: J. HEWITT

DRAWN BY: J. HEWITT

CHECKED BY: B. GUETSCHOW

DATE: JULY 2005

DATE: JULY 2005

DATE: JULY 2005

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING DEVELOPMENT GROUP

TITLE: TRACTS 90 & 91-A1A1B1A1, MRCD MAP # 35

SANITARY SEWER PLAN AND PROFILE - RIO GRANDE BLVD., NW

(250 FT NORTH OF ZICKERT RD. NW)

APPROVED: AUG - 2 2005

DESIGN REVIEW COMMITTEE

APPROVED: SEP 16 2005

CITY ENGINEER

City Project No. 764281

Zone Map No. H-13

Sheet 3 of 3