

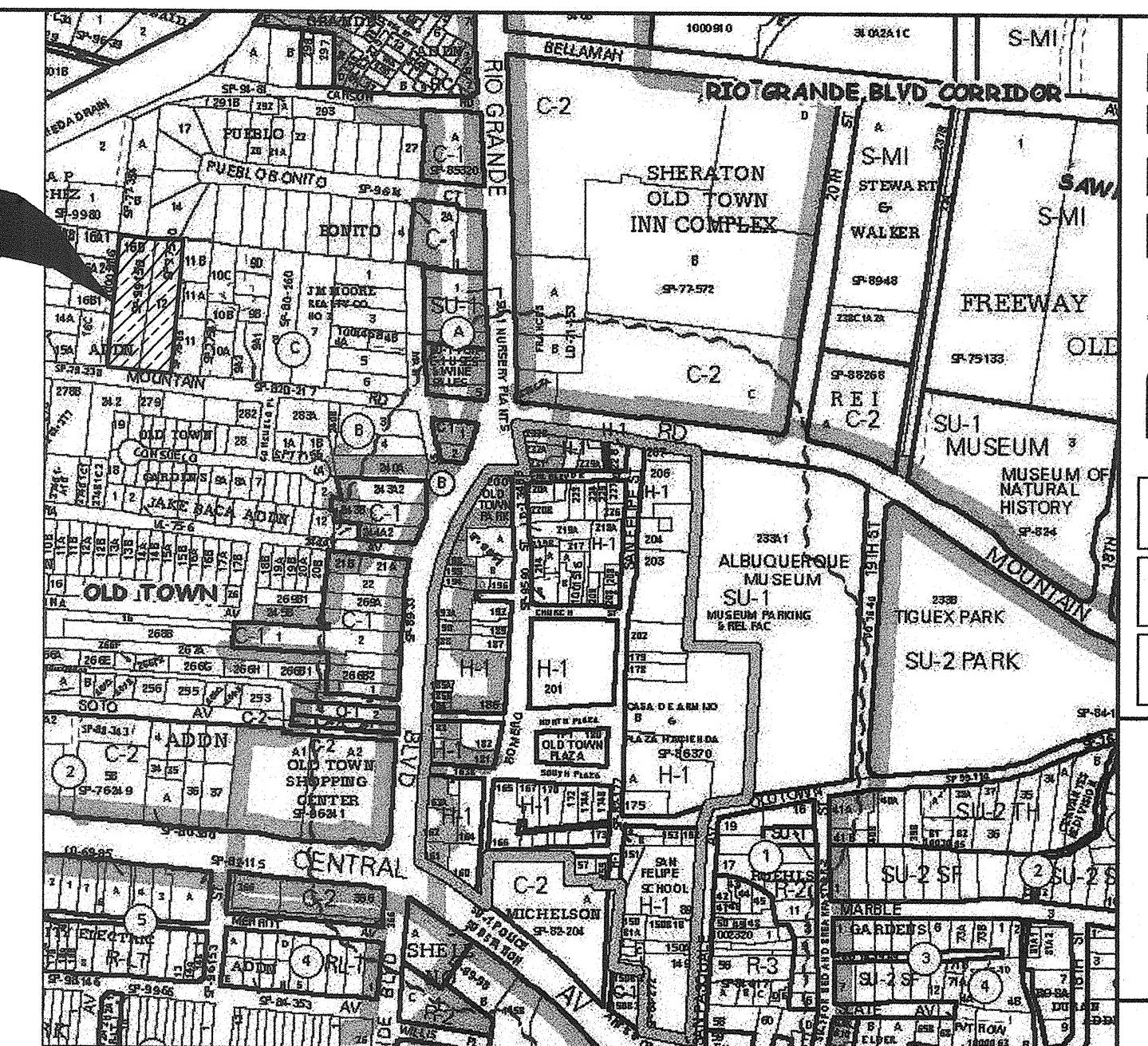
26-084182-08

# CONSTRUCTION PLANS FOR LOS MOCHOS COMPOUND

## INDEX TO SHEETS

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PROJECT  
LOCATION



VICINITY MAP

NOT TO SCALE

VICINITY MAP FROM CITY OF ALBUQUERQUE  
ZONING ATLAS PAGE J-13.

## RECORD DRAWINGS JUNE 2008

This record drawing has been prepared, in part, based upon information furnished by the contractor. While this information is believed to be reliable, the Engineer assumes no responsibility for the accuracy of this record drawing or for any errors or omissions that may have been incorporated into it as a result of incorrect information provided to the Engineer by others. The Engineer did not perform field surveys to verify final locations of the various items depicted on this record drawing. Those relying on this record drawing are advised to obtain independent verification of its accuracy.

I, Arthur M. Garcia, of the firm, PAIKI, 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 direct direction with survey information provided by Mitchell Reynolds, NMPS number 11224.

*Arthur M. Garcia*

DRB #1003928

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE.		APPROVALS		ENGINEER	DATE	APPROVED FOR CONSTRUCTION	
		DRC Chairman		<i>A. Woodall</i>	11/14/07	<i>Richard D. Smith</i> City Engineer Date 12-14-07	
		Transportation		<i>Mark</i>	12/5/07		
		Water / Wastewater		<i>Mitchell Reynolds</i>	12/15/07		
		Hydrology		<i>J. Reynolds</i>	10-2-07		
		Parks					
Constr. Mngmt.							
Constr. Coord.							
City Project No.		684182					

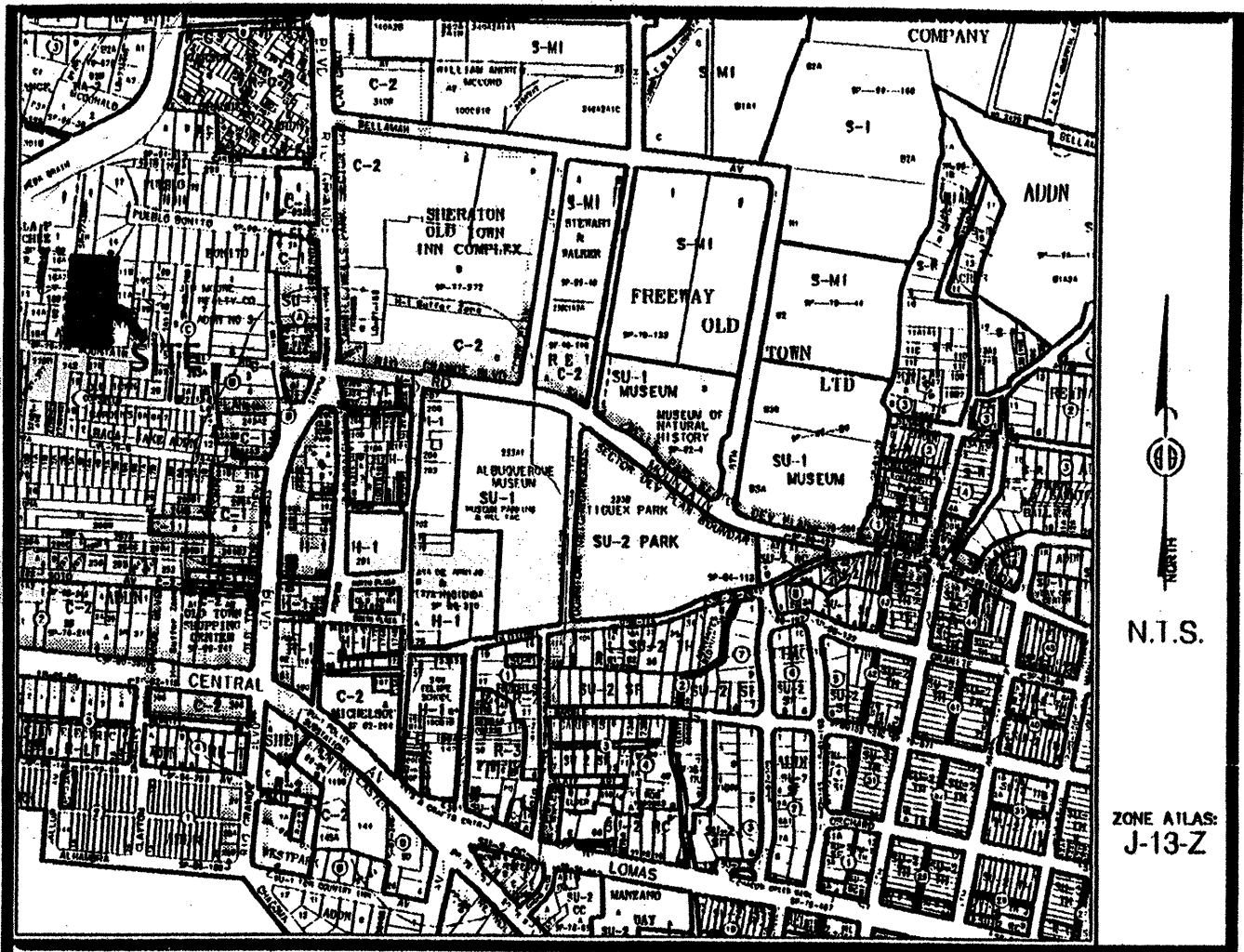
APPROVED AS RECORD DRAWINGS  
DESIGN REVIEW SECTION  
CITY ENGINEER  
*Arthur M. Garcia*  
DATE: 09/13/07

PAIKI  
A NATIVE AMERICAN  
A/E FIRM  
Architectural Planning  
Environmental Science Land Acquisition  
Construction Management  
PA, (505) 332-1125  
Fax (505) 332-1126  
11200 Lomas Blvd. NE, Suite 100 Albuquerque, NM 87112

MARK	DATE	DESCRIPTION

LOS MOCHOS COMPOUND  
TITLE SHEET  
PROJECT NO. 07400  
DWG FILE: TITLE  
DATE: 9-18-07  
SHT: 01 OF 08





Vicinity Map

SUBDIVISION DATA / NOTES

1. PLAT WAS COMPILED USING EXISTING RECORD DATA & ACTUAL FIELD SURVEY.
2. BEARINGS ARE NEW MEXICO STATE PLANE GRID BEARINGS, CENTRAL ZONE, NAD 1927, AND ARE BASED ON ACS CONTROL MONUMENTS 5-J13A AND 14-J13, AS SHOWN HEREON.
3. DISTANCES ARE GROUND DISTANCES.
4. PLAT SHOWS ALL EASEMENTS OF RECORD.
5. BEARINGS AND DISTANCES IN PARENTHESES ( ) ARE PER THE PLAT OF TOHATCHI ADDITION, FILED IN BERNALILLO COUNTY, NEW MEXICO ON AUGUST 20, 1999 IN VOLUME 99C, FOLIO 237.
6. GROSS AREA: 1.4009 ACRES
7. NUMBER OF EXISTING LOTS: 2
8. NUMBER OF LOTS CREATED: 8
9. THE 30' PRIVATE ACCESS EASEMENT GRANTED BY THIS PLAT IS FOR THE BENEFIT AND USE, BY AND FOR THE OWNERS OF LOTS 1 THROUGH 8 AND IS TO BE MAINTAINED BY SAID OWNERS.
10. PROPERTY IS ZONED R-1.
11. THE PROPERTY ON THIS PLAT IS SUBJECT TO A PRE-DEVELOPMENT FACILITIES FEE AGREEMENT WITH THE ALBUQUERQUE PUBLIC SCHOOLS RECORDED AS EXHIBIT B, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON JANUARY 23, 2007 IN BOOK A131, PAGE 1163.

*Jeffery J. Mocho*  
Home Owners Association  
Jeffery J. Mocho, President

4/2/07  
Date

THIS IS TO CERTIFY THAT TAXES ARE CURRENT & PAID ON

UPON: 0180580304412421

PROPERTY OWNER OF RECORD:

ZANOLA MADALENIA G

BERNALILLO COUNTY TREASURERS OFFICE:

529-07

LEGAL DESCRIPTION

LOT NUMBERED TWELVE (12) IN BLOCK C OF THE JOHN M. MOORE REALTY COMPANYS THIRD ADDITION, AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT THEREOF, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON JANUARY 25, 1907 IN MAP BOOK C2, PAGE 60; TOGETHER WITH LOT NUMBERED SIXTEEN D (16D) OF THE TOHATCHI ADDITION, AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT THEREOF, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON AUGUST 20, 1999 IN MAP BOOK 99C, PAGE 237.

FREE CONSENT

THE UNDERSIGNED OWNER(S) AND PROPRIETOR(S) OF THE PROPERTY DESCRIBED HEREON DO HEREBY CONSENT TO THE PLATTING OF SAID PROPERTY AS SHOWN HEREON AND THE SAME IS WITH THE FREE CONSENT AND IN ACCORDANCE WITH THEIR DESIRES AND SAID OWNERS WARRANT THAT THEY HOLD COMPLETE AND INDEFEASIBLE TITLE IN FEE SIMPLE TO THE LAND SUBDIVIDED AND DO HEREBY GRANT ADDITIONAL EASEMENT(S) AS SHOWN.

OWNER(S) SIGNATURE: *James B. Mocho, Partner* DATE: 3/20/07  
OWNER(S) PRINT NAME: *James B. Mocho*  
ADDRESS: *2325 Avenida Rio Grande NW, #1* TRACT:  
ACKNOWLEDGMENT  
STATE OF NEW MEXICO )  
COUNTY OF BERNALILLO )  
NOTARY PUBLIC: *Sarah Amato*  
THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS *20* DAY OF *MARCH*, 2007.  
BY: *James B. Mocho, Partner of Los Mochos, LLP*  
MY COMMISSION EXPIRES: *10/01/09* *Sarah Amato*

PLAT OF  
LOTS 1 THROUGH 8  
LOS MOCHOS COMPOUND  
PROJECTED SECTION 7, T. 10 N., R. 3 E., N.M.P.M.  
TOWN OF ALBUQUERQUE GRANT  
CITY OF ALBUQUERQUE  
BERNALILLO COUNTY, NEW MEXICO  
MARCH 2007  
SHEET 1 OF 2



DISCLOSURE STATEMENT

THE PURPOSE OF THIS PLAT IS TO DIVIDE TWO (2) EXISTING LOTS INTO EIGHT (8) NEW LOTS AND TO GRANT EASEMENTS AS SHOWN.

CITY APPROVALS: PROJECT NO.: 1003928 APPLICATION NO. 07 DRB-00068

CITY SURVEYOR: *John B. Jett* 3-27-07  
DATE  
TRAFFIC ENGINEERING: *John B. Jett* 5-23-07  
DATE  
PARKING & RECREATION DEPARTMENT: *Christina Sandoval* 5/23/07  
DATE  
UTILITIES DEVELOPMENT: *Rogers Chen* 5-23-07  
DATE  
AMAFCA: *Bradley B. Bingham* 5/23/07  
DATE  
CITY ENGINEER: *Bradley B. Bingham* 5/23/07  
DATE  
DRB CHAIRPERSON/PLANNING DEPARTMENT: *Andrew Garcia* 5/29/07  
DATE

SURVEYOR'S CERTIFICATION

I, Mitchell W. Reynolds, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that this plat and description were prepared by me or under my supervision, shows all easements as shown on the plat of record or made known to me by the owners and/or proprietors of the subdivision shown hereon, utility companies and other parties expressing an interest and meets the minimum requirements for monumentation and surveys of the Albuquerque Subdivision Ordinance, and further meets the Minimum Standards for Land Surveying in the State of New Mexico and is true and correct to the best of my knowledge and belief.

*Mitchell W. Reynolds* 03-27-07  
Date  
Mitchell W. Reynolds  
New Mexico Professional Surveyor, 11224



SURVEYS SOUTHWEST LTD.

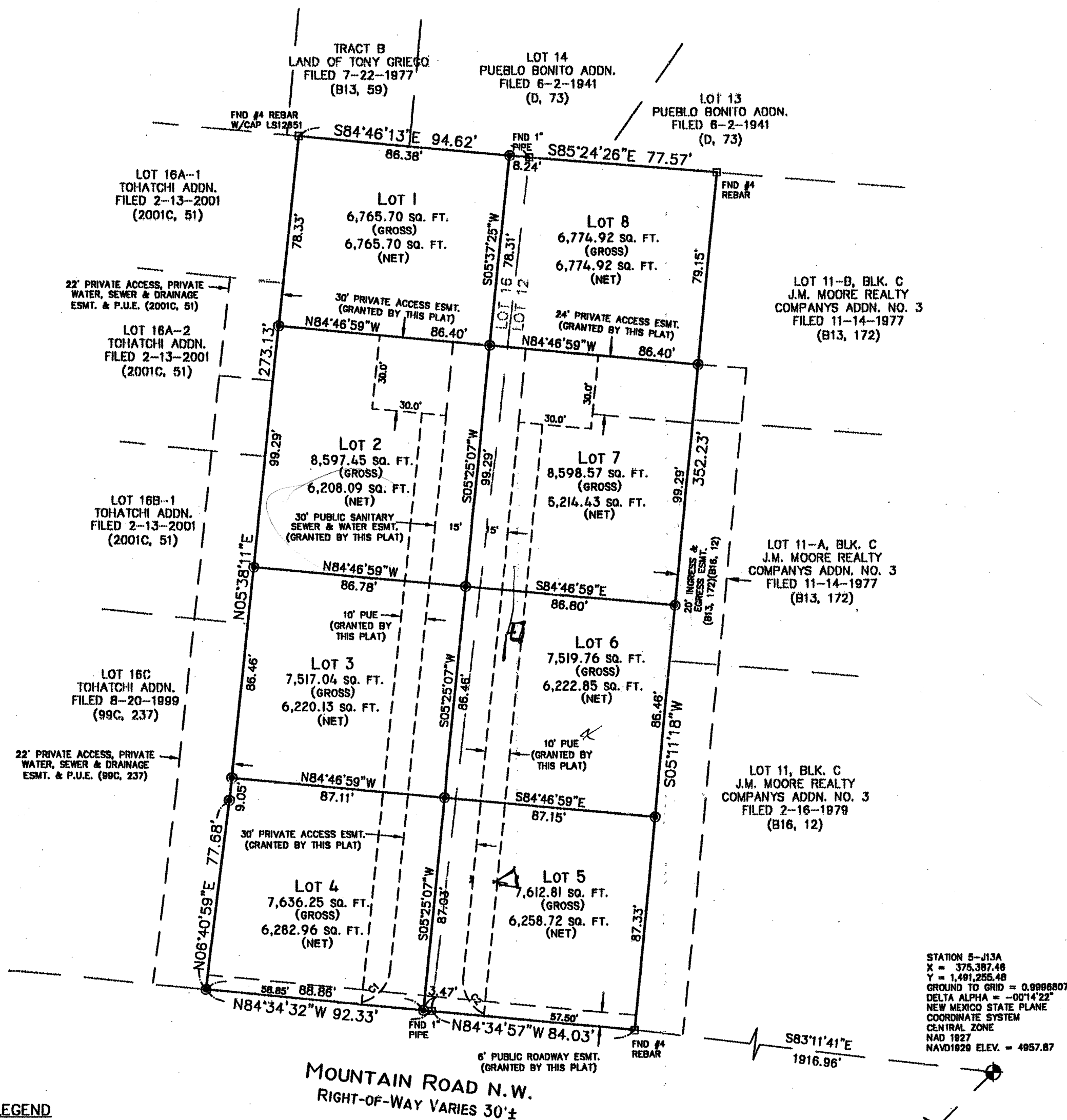
333 LOMAS BLVD., N.E.  
ALBUQUERQUE, NEW MEXICO  
87102  
PHONE: (505) 998-0303  
FAX: (505) 998-0306

T10N R3E SEC. 7

PLAT OF  
LOTS 1 THROUGH 8  
LOS MOCHOS COMPOUND  
PROJECTED SECTION 7, T. 10 N., R. 3 E., N.M.P.M.  
TOWN OF ALBUQUERQUE GRANT  
CITY OF ALBUQUERQUE  
BERNALILLO COUNTY, NEW MEXICO  
MARCH 2007  
SHEET 2 OF 2



CURVE TABLE					
CURVE	RADIUS	LENGTH	DELTA	CHORD BEARING	CHORD LENGTH
C1	15.00'	23.56'	80°00'21"	S50°29'17"W	21.21'
C2	15.00'	23.56'	80°00'04"	N39°34'55"W	21.21'



MONUMENT LEGEND

- FOUND CONTROL STATION AS NOTED
- FOUND MONUMENT AS NOTED
- SET 1/2" REBAR W/RED PLASTIC CAP STAMPED "MWR 11224" UNLESS OTHERWISE NOTED

STATION 14+13A  
X = 374,155.86  
Y = 1,491,255.40  
GROUND TO GRID = 0.0000011  
DELTA ALPHA = -0°14'33"  
NEW MEXICO STATE PLANE  
COORDINATE SYSTEM  
CENTRAL ZONE  
NAD 1927  
NAVD1983 ELEV. = 4857.87

SURVEYS SOUTHWEST LTD.

333 LOMAS BLVD., N.E.  
ALBUQUERQUE, NEW MEXICO  
87102  
PHONE: (505) 998-0303  
FAX: (505) 998-0306

T10N R3E SEC. 7



GENERAL NOTES:


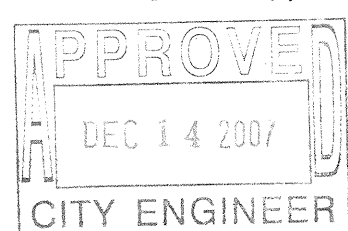
1. THE CONTRACTOR SHALL NOTIFY THE ALBUQUERQUE TRAFFIC ENGINEERING DIVISION THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK REQUIRED REGARDING ALL EXISTING REGULATORY SIGNS AND SIGNALS THAT NEED TO BE REMOVED, RELOCATED, OR REINSTALLED. CALL 857-8680. REFER TO SECTION 18.4.4 OF THE SPECIFICATIONS.
2. THE CONTRACTOR WILL BE REQUIRED TO CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR R.O.W. TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS OR DESIGNATED TRAFFIC LANES.
3. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELING PEDESTRIAN TRAFFIC AROUND ALL WORK AREAS THROUGHOUT THE CONSTRUCTION PERIOD.
4. A DISPOSAL SITE, COMPLYING WITH ALL CITY ORDINANCES, SHALL BE OBTAINED BY THE CONTRACTOR FOR THE DISPOSAL OF ALL EXCESS EXCAVATION MATERIAL, ASPHALTIC PAVEMENT (EXCEPT MILLED BITUMINOUS CONCRETE PAVEMENT) AND OTHER WASTE MATERIALS. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE OF THE LOCATION OF THE DISPOSAL SITE PRIOR TO THE REMOVAL AND ACTUAL DISPOSAL OF THE MATERIAL. ALL COSTS IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO DIRECT PAYMENT WILL BE MADE.
5. THE CONTRACTOR SHALL CAREFULLY FIELD REVIEW THE SITE TO ASSESS EXTENT OF TRASH REMOVAL. TRASH REMOVAL SHALL BE INCLUDED IN THE PRICE BID.
6. ALL VALLEY GUTTERS ARE 6' WIDE UNLESS OTHERWISE NOTED.
7. UNLESS OTHERWISE SHOWN, ALL DIMENSIONS ARE TO FACE OF CURB, INCLUDING RADII OF CURB RETURNS.
8. ALL FINISHED GRADES AND PROFILES SHOWN ARE FLOWLINE GRADES, UNLESS OTHERWISE NOTED.
9. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED PER STD DWG 2415 BY THE CONTRACTOR AT HIS EXPENSE.
10. WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE TO THE NEAREST JOINT.
11. WHEN ABUTTING NEW PAVEMENT TO EXISTING PAVEMENT, SAW CUT EXISTING PAVEMENT IN A STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. PRIOR TO LAYING NEW PAVEMENT, THE EXPOSED EXISTING ASPHALT EDGE SHALL BE TACK-COATED.
12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED AT ALL CURB RETURNS CONSTRUCTED WITH THIS PROJECT AT THE LOCATIONS SHOWN ON PLANS, IN ACCORDANCE WITH THE CITY STANDARD DETAILS.
13. ALL WHEELCHAIR RAMP APPROACH SLOPES SHOWN ON STD DWG 2441 SHALL BE INCREASED IN LENGTH TO MAINTAIN 12:1 MAX SLOPE WHEN GRADE IS RISING FROM RAMP. SEE TABLE BELOW.

RIISING GRADE	RAMP LENGTH
0%	8.1'
0-1%	9.2'
1-2%	10.6'
2-3%	12.6'
3-4%	15.5'

14. CONTRACTOR IS TO EXERCISE DUE CARE TO AVOID DISTURBING ANY EXISTING UTILITIES. IT SHALL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION THAT MIGHT RESULT FROM PROJECT CONSTRUCTION. IT SHALL BE HIS RESPONSIBILITY TO PROTECT AND PRESERVE UTILITY EQUIPMENT AFFECTED BY PROJECT CONSTRUCTION. SHOULD HE BREAK AN EXISTING UTILITY LINE DURING CONSTRUCTION ACTIVITIES HE SHALL BE RESPONSIBLE FOR UTILITY REPAIR COST.
15. ALL EXISTING UTILITIES SHOWN HEREIN WERE TAKEN FROM RECORD DRAWINGS, POTHOLE, FIELD SURVEYS, C.O.A. SYSTEMS UTILITIES MAPS AND INFORMATION PROVIDED BY THE UTILITY OWNERS AND ARE APPROXIMATE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THEIR HORIZONTAL AND VERTICAL LOCATIONS AND PROVIDE PROTECTION FOR ALL UTILITIES WITHIN THE CONSTRUCTION AREA.
16. CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND TYPE OF EXISTING UTILITIES TO BE ADJUSTED OR EXTENDED.
17. MANHOLE RIM ELEVATIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND WILL VARY WITH THE FINISHED PAVEMENT ELEVATIONS.
18. CONTRACTOR TO VERIFY ALL EXISTING FIRE HYDRANT FLANGES, PADS, VALVE BOXES, MANHOLE RIMS, AND TOP OF PIPE ELEVATIONS IN THE FIELD. ELEVATIONS SHALL BE ADJUSTED TO COMPLY WITH THE REQUIREMENTS OF STANDARD CITY DETAILS.

19. ELEVATIONS FOR PROPOSED WATERLINE CONNECTIONS TO EXISTING WATERLINES SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.
20. ALL WATER VALVE BOXES AND SEWER MANHOLES IN THE CONSTRUCTION AREA ARE TO BE ADJUSTED TO FINISH GRADE UNDER THIS CONTRACT, AND WILL BE PAID FOR AT CONTRACT UNIT PRICES.
21. THE CONTRACTOR SHALL NOTIFY THE LOCAL FIRE DEPARTMENT AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF WHEN FIRE HYDRANTS WILL BE TAKEN OUT OF SERVICE AND RETURNED TO SERVICE.
22. ALL WATER SERVICES LISTED AS "DOUBLE" REFER TO DOUBLE METER BOX. A SEPARATE SERVICE LINE TO EACH METER IS REQUIRED. REFERENCE C.O.A. STD DRAWINGS 2361, 2362.
23. ALL EXISTING GAS VALVE BOX, GAS MANHOLES, ELECTRICAL MANHOLES, AND TELEPHONE MANHOLES WILL BE ADJUSTED TO GRADE BY OTHERS.
24. WHERE PULL BOXES ABUT BACK OF CURB OR ARE LOCATED IN A CONCRETE PAVED AREA, PROVIDE ¾" EXPANSION MATERIAL AROUND THE PULL BOX. ALL PULL BOXES TO BE FLUSH WITH SURFACE OF THE CONCRETE.
25. THE CONTRACTOR SHALL MEET ALL REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) AS WELL AS LOCAL REGULATIONS.
26. THE CONTRACTOR SHALL COORDINATE WITH THE PRIVATE UTILITY ENTITIES AS NEEDED FOR RELOCATION AND INSTALLATION OF PRIVATE UTILITIES. THE ENGINEER HAS NOTIFIED THE PRIVATE UTILITIES OF THIS PROJECT.
27. TEMPORARY EROSION FENCING (OR PERMANENT WALLS OR FENCING) SHALL BE USED TO PROTECT EXISTING RESIDENTIAL PROPERTY, STREETS, LANDSCAPING AND THE DRAINAGE SYSTEMS FROM THE DISPOSITION OF ERODED MATERIAL.
28. CONSTRUCTION AREA SHALL BE CONTROLLED TO PREVENT TRESPASS USE BY 4WD'S, RV'S AND MOTORCYCLES TO MINIMIZE NOISE, DUST, DESTRUCTION OF VEGETATION, WIND AND WATER EROSION.
29. PROPOSED WATERLINE INSTALLATION SHALL HAVE RESTRAINED JOINTS AT ALL WATERLINE VALVES, TEES, CROSSES, BENDS AND FIRE HYDRANTS, UNLESS OTHERWISE NOTED. SEE "THRUST RESTRAINT REQUIREMENTS" ON SHEET 7.
30. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
31. ALL FIRE HYDRANT "BURY" IS PER PLAN REQUIREMENTS AND IS CONSIDERED INCIDENTAL TO FIRE HYDRANT UNIT PRICE.
32. 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 THROUGH UPDATE #7 INCLUDING AMENDMENT 1.
33. THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING THE EXECUTION OF THE WATER VALVE SHUT-OFF PLAN WITH THE ABCWUA (857-8200) SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER UTILITIES.
34. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES
35. 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.
36. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION'S 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 THE BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.

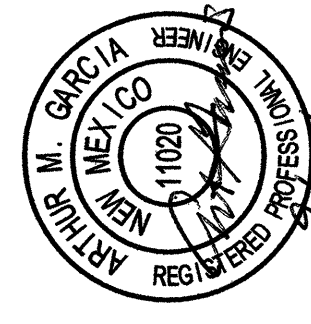
37. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO THE SAME LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
38. THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT 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 CITY SURVEYOR 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, 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 UPDATE NO. 7.
39. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE CITY.
40. PRIVATE STREETS:  
DEVELOPER SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL SIGNING AND STRIPING WITHIN THE DEVELOPMENT AND PRIVATE STREET.
41. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR (24) HOUR CONSTRUCTION.
42. THE CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. THE CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
43. THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED:
- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF THE CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE. RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE.
44. IF HUMAN REMAINS ARE DISCOVERED ON THE SITE, ALL CONSTRUCTION WILL CEASE AND THE OFFICE OF THE MEDICAL EXAMINER MUST BE CONTACTED FOR FURTHER INSTRUCTIONS.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
Design Review Committee 	City Engineer Approval 	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.	
City Project No. <b>684182</b>		Zone Map No. J-13		PROJECT NO. 07400 DWG FILE: DATE:	

DATE	DESCRIPTION
MARK	DATE
DESIGNED BY:	DRAWN BY:
APPROVED BY:	

LOS MOCHOS COMPOUND  
GENERAL NOTES

PAIKI  
A NATIVE AMERICAN  
A/E FIRM  
Architectural Planning  
Environmental Science-Land Acquisition  
Construction Management  
PA (606) 522-1125  
Fax (606) 532-1126  
11200 Lenox Blvd. NE, Suite 100 Albuquerque, NM 87112







SCALE: N.T.S.  
STA. 9+97.38 TO STA. 10+22.38

NOTES:

1. CONCRETE PAVING PER C.O.A. STD DWG 2405A.
2. SEE ROADWAY PLAN AND PROFILE FOR LOCATIONS AND DIMENSIONS
3. SEE C.O.A. STANDARD DRAWINGS 2450 AND 2452 FOR JOINT LOCATIONS AND DETAILS.
4. 12" SUBGRADE SOIL R-VALUE> 50, 95% MIN. COMPACTION PER SECTION 301. IF THE SUBGRADE SOILS ENCOUNTERED DURING CONSTRUCTION HAVE A R-VALUE LESS THAN 50, THE SUBGRADE SHALL BE REPAVED TO A DEPTH OF NOT LESS THAN TWO FEET BELOW THE FINISHED SUBGRADE ELEVATION OR AS AUTHORIZED BY THE ENGINEER AND REPLACED WITH SUBGRADE MATERIAL HAVING AN R-VALUE GREATER THAN 50.



1. DETECTABLE WARNING SURFACES SHALL BE PROVIDED WHERE A CURB RAMP OR A WIDING CONNECTS TO A CROSSWALK AND OR PEDESTRIAN ROUTE CROSSING A ROADWAY.
2. DETECTABLE WARNING SURFACE SHALL BE LOCATED ADJACENT TO THE CURB LINE.
3. SIDEWALKS RAMPS ARE TO BE LOCATED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
4. DETECTABLE WARNING SURFACE SHALL BE COLORED, PROVIDE A LIGHT/DARK OR DARK/LIGHT CONTRAST OF AT LEAST 70% AS DEFINED IN A.D.A.A.G.
5. SEE C.O.A. STD. DWG. 2426 FOR ADDITIONAL INFORMATION.
6. INCLUDE "TRUNCATED DOMES" (DETECTABLE WARNING SURFACE): CONSTRUCTION PER ADA GUIDELINES. SUBMIT SPECIFICATIONS TO C.O.A. DESIGN ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION.

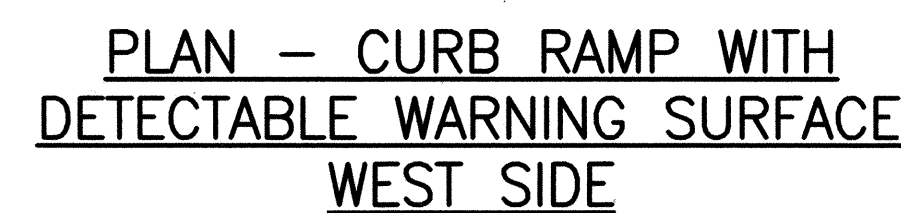


SCALE: N.T.S.  
STA. STA. 10+22.38 TO STA. 12+72.77

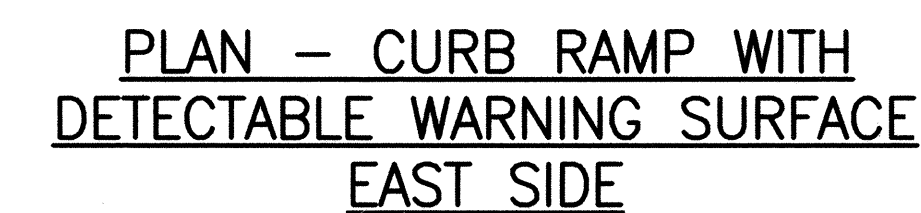


NOTES: NTS



- ① EXISTING DRIVEWAY - USE IN PLACE *Removed*
- ② REQUIRED JOINT- *Deleted*
- ③ EXISTING SIDEWALK - USE IN PLACE
- ④ BRICK PATTERN COLORED CONCRETE PAYMENT - SEE TYPICAL SECTION *Deleted*
- ⑤ NEW PLACED CONCRETE *Deleted*
- ⑥ *Built Sidewalk*
- ⑦ *Built Standard Curb/Gutter*



SCALE N.T.S.



SCALE N.T.S.

<b>CITY OF ALBUQUERQUE</b> <b>PUBLIC WORKS DEPARTMENT</b> <b>ENGINEERING GROUP</b>																	
Design Review Committee	City Engineer Approval	Last Design Update	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%; padding: 2px;">Mo./Day/Yr.</th> <th style="width: 50%; padding: 2px;">Mo./Day/Yr.</th> </tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> </table>	Mo./Day/Yr.	Mo./Day/Yr.												
Mo./Day/Yr.	Mo./Day/Yr.																
 <p>APPROVED NOV 14 2007 DESIGN REVIEW COMMITTEE</p>	 <p>APPROVED DEC 14 2007 CITY ENGINEER</p>																
City Project No.		Zone Map No.															
<span style="font-size: 2em;">684182</span>		<span style="font-size: 1.5em;">J-13</span>															



APPROVED BY THE CITY

EXISTING CONDITION: THE SUBDIVISION IS ±1.4 ACRES LOCATED ON THE NORTH SIDE OF MOUNTAIN ROAD APPROXIMATELY MIDWAY BETWEEN RIO GRANDE BLVD AND THE POINT WHERE ALAMEDA DRAIN CROSSES MOUNTAIN ROAD. THE SITE IS RELATIVELY FLAT AND DRAINS SLIGHTLY FROM NORTH TO SOUTH TOWARDS MOUNTAIN ROAD. THE SITE INCLUDES THREE EXISTING RESIDENCES AND A GARAGE; ONE HOME WILL REMAIN IN PLACE, DUE TO EXISTING WALLS AND BERMS THERE ARE NO SIGNIFICANT OFF-SITE FLOWS ENTERING THE PROPERTY. THE EXISTING GROUND IS MOSTLY BARE AND UNDEVELOPED WITH A SMALL PORTION OF THE SITE COVERED BY WEEDS OR LAWNS. THERE ARE ±20 TREES ON THE SITE SEVERAL OF WHICH WILL BE REMOVED AS PART OF THE DEVELOPMENT. THERE IS AN EXISTING 15 INCH DIAMETER STORM DRAIN IN MOUNTAIN ROAD ADJACENT TO THE SITE WHICH HAS A CAPACITY OF 2 CFS.

THE SITE IS LOCATED IN F.E.M.A. FLOOD ZONE X ACCORDING TO F.I.R.M. PANEL NO. 35001C0331E, REV. NOVEMBER 19, 2003. THE NEAREST FLOOD HAZARD ZONES ARE TWO SMALL AREAS DESIGNATED ZONE AH (ELEV 4958) LOCATED NORTH OF THE ALAMEDA DRAIN ±800 FT WEST AND ±450 FT NORTH OF THE SUBDIVISION. THE SITE IS ZONED R-1.

DEVELOPMENT CONDITION: DEVELOPMENT WILL BE LOW-IMPACT WITH GRAVEL ROADWAY/DRIVEWAYS AND SMALL HOUSES, THUS MINIMIZING THE IMPERVIOUS AREA. THE SUBDIVISION WILL INCLUDE 8 LOTS - 3 FOR THE EXISTING HOMES TO REMAIN AND 5 FOR NEW HOMES. MINIMUM LOT SIZE WILL BE 5000 SQ FT. MAXIMUM HOME SIZES WILL BE APPROXIMATELY IN ACCORDANCE WITH THE FOLLOWING TABLE:

LOT NO.	AREA (SF)	LOT NO.	AREA (SF)
1	2000	5	1308 (EXISTING)
2	2000	6	2000
3	2000	7	1678
4	2000	8	2000

RUNOFF WILL BE HANDLED BY A NEW STORM DRAIN LATERAL (2-TYPE D INLETS AND 18 INCH PIPE) THAT WILL CONVEY RUNOFF TO THE EXISTING STORM DRAIN IN MOUNTAIN ROAD. RUNOFF WILL NOT BE ALLOWED TO ENTER OR DISCHARGE FROM THE SUBDIVISION AT ANY OTHER LOCATION BY THE USE OF WALLS AND/OR BERMS. THE NEW STORM DRAIN WILL BE LOCATED WITHIN THE NEW 28 FT WIDE PUBLIC ACCESS EASEMENT AND THE ADJACENT 10 FT WIDE PUBLIC UTILITY EASEMENT. A NEW MANHOLE WILL BE INSTALLED AT THE POINT OF CONNECTION IN MOUNTAIN ROAD. THERE WILL BE NO IMPACTS TO ANY DESIGNATED FLOOD HAZARD ZONE. EROSION POTENTIAL IS MINIMAL. OPERATION AND MAINTENANCE OF THE DRAINAGE FACILITIES WILL BE MINIMAL.

PROCEDURE & RESULTS: THE SITE WAS ANALYZED FOR THE PRE AND POST-DEVELOPMENT CONDITION USING THE PROCEDURES IN PART A OF THE DEVELOPMENT PROCESS MANUAL. THE SUBDIVISION IS LOCATED IN ZONE 2. THE LAND TREATMENTS, EXCESS PRECIPITATION, AND RESULTING RUNOFF VOLUME AND PEAK DISCHARGE FOR THE 100-YEAR, 6-HOUR DESIGN STORM ARE GIVEN IN THE FOLLOWING TABLE. ACCORDING TO THE ALBUQUERQUE MASTER DRAINAGE STUDY, VOLUME 1 (BOHANNON-HUSTON, 1981) THE SITE IS PART OF A 37 ACRE BASIN, OR LESS THAN 4% OF THE TOTAL BASIN AREA. THE CALCULATED INCREASE IN PEAK DISCHARGE OF ±1.17 CFS CAUSED BY THE DEVELOPMENT OF THE SUBDIVISION IS NEGLIGIBLE IN COMPARISON TO THE RUNOFF GENERATED FROM THE ENTIRE BASIN.

Predevelopment Condition					
Total area:	1.41 acres	Runoff Volume	E	Peak Discharge	Q
Treatment	%	Area (acres)	(inches)	E * A	Q * A
A	40	0.56	0.53	0.30	1.56
B	23	0.32	0.53	0.17	2.28
C	30	0.42	1.13	0.48	3.14
D	7	0.10	2.12	0.21	4.7
Totals:	100	1.41		1.15	3.40

Weighted E:	0.82 inches	Peak Discharge:	3.40 cfs
Runoff Volume:	0.10 acre-feet		

Post Development Condition					
Total area:	1.41 acres	Runoff Volume	E	Peak Discharge	Q
Treatment	%	Area (acres)	(inches)	E * A	Q * A
A	0	0.00	0.53	0.00	1.56
B	32	0.45	0.53	0.24	2.28
C	44	0.62	1.13	0.70	3.14
D	24	0.34	2.12	0.72	4.7
Totals:	100	1.41		1.66	4.57

Weighted E:	1.18 inches	Peak Discharge:	4.57 cfs
Runoff Volume:	0.14 acre-feet		

THE PEAK DISCHARGE FOR THE DEVELOPED CONDITION WAS MULTIPLIED BY A FACTOR OF 0.667 TO OBTAIN THE 10-YEAR DESIGN DISCHARGE FOR ANALYZING THE STORM DRAIN USING HYDRAN FOR WINDOWS. THE RESULTS ARE PROVIDED BELOW. THE PROPOSED STORM DRAIN MEETS ALL DESIGN REQUIREMENTS. THE DROP INLET ELEVATIONS HAVE BEEN SET SLIGHTLY HIGHER THAN FINISHED GRADE TO ALLOW DEPTH THROUGHOUT THE SUBDIVISION, EXCEPT FOR THE ROAD AND PADS. THE RUNOFF RETAINED BY PONDING (±0.15 AC-FT) IS GREATER THAN THE RUNOFF VOLUME GENERATED WITHIN THE SUBDIVISION; THEREFORE, THE ACTUAL DISCHARGE LEAVING THE SITE THROUGH THE STORM DRAIN DURING THE 10-YEAR EVENT WILL BE ZERO. SINCE THERE ARE NO CURBS OR DITCHES IN THIS DEVELOPMENT, STREET CHANNEL FLOW WAS NOT EXAMINED.

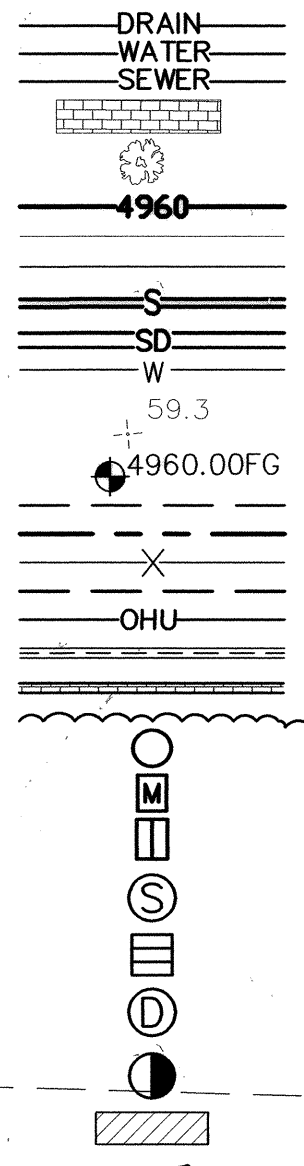
\*\*\*\*\* HYDRA \*\*\*\*\* (Version 6.1) \*\*\*\*\* Date 03-07-2007  
LOS MOCHOS II SUBDIVISION 10 YEAR FINAL STORM DRAIN ANALYSIS  
++ Commands Read From File mch010yr.hda

JOB  
REM Data in ENGLISH Units  
SWI 2  
PDA 0.013,1.5,3.4,3,0.001  
HGL 1  
NEW LINE 2  
REM CB2-A  
FLO 1.6  
PIP 8,4958,4961,4953.9,4953.76,-18  
+++ Tc = .0 min  
+++ CA = .0  
+++ Link # 1, Flow depth = .35 ft, Critical depth = .47 ft  
PNC 21,12,4,90,0  
HOL 1  
NEW LINE 1  
REM CB1-A  
FLO 1.45  
PIP 31,4958,4961,4953.9,4953.76,-18  
+++ Tc = .0 min  
+++ CA = .0  
+++ Link # 2, Flow depth = .46 ft, Critical depth = .45 ft  
PNC 11,12,4,70,0  
REC 1  
PIP 179,4961,4959,4953.76,4952.87,-18  
+++ Tc = .0 min  
+++ CA = .0  
+++ Link # 3, Flow depth = .67 ft, Critical depth = .66 ft  
PNC 12,13,4,90,0  
END  
END OF INPUT DATA.

Analysis of Existing Pipes										
Link	Length	Diam	Invert	Depth	Cover	Velocity	Flow	Solutions	Remove	Diam
(ft)	(in)	(ft)	(ft)	(ft)	(ft)	(ft/s)	(cfs)	(%)	(cfs)	(in)
1	8	18	4953.90	.01746	4.1	2.5	5.2	1.60	12	
			4953.76		7.2	5.6	7.9	13.88		
Length = 8. ft Total length = 8. ft										

Analysis of Existing Pipes										
Link	Length	Diam	Invert	Depth	Cover	Velocity	Flow	Solutions	Remove	Diam
(ft)	(in)	(ft)	(ft)	(ft)	(ft)	(ft/s)	(cfs)	(%)	(cfs)	(in)
2	31	18	4953.90	.00450	4.1	2.5	3.1	1.45	21	
			4953.76		7.2	5.6	4.0	7.05		
3	179	18	4953.76	.00498	7.2	5.6	4.0	3.05	41	
			4952.87		6.1	4.5	4.2	7.41		
Length = 210. ft Total length = 218. ft										

## LEGEND



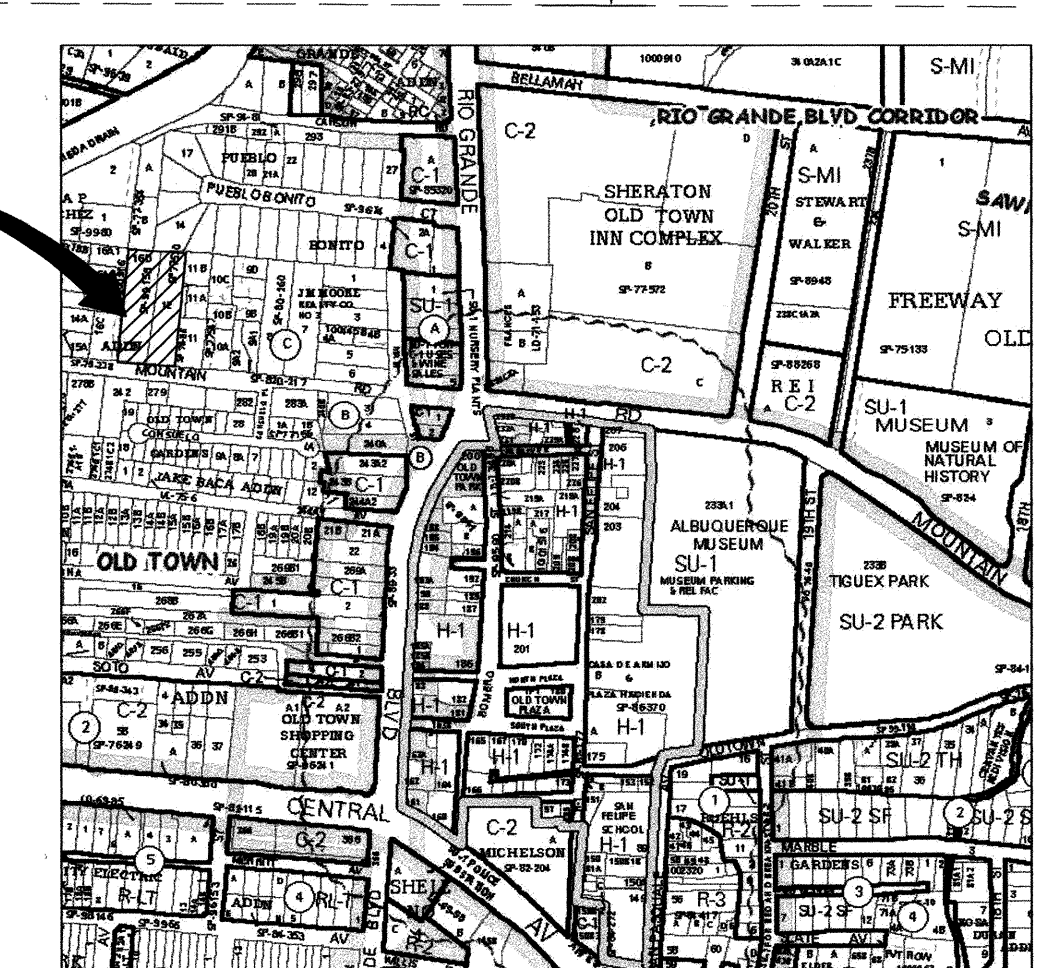
EXISTING STORM DRAIN  
EXISTING WATER LINE  
EXISTING SANITARY SEWER  
PROPOSED CONCRETE PAVING  
EXISTING TREE  
PROPOSED CONTOUR  
CONTOUR EXIST.  
HOUSING PAD  
PROPOSED SEWER  
PROPOSED STORM DRAIN  
PROPOSED WATER LINE  
EXISTING SPOT ELEVATION  
FINISHED SPOT ELEVATION  
SETBACK  
PROPERTY LINE  
EXISTING FENCE LINE  
EASEMENT  
OVERHEAD ELECTRIC/PHONE  
EXISTING WALL  
PROPOSED WALL  
EXISTING/PROPOSED BERM  
MANHOLE  
PROPOSED WATER METER (DOUBLE)  
TYPE D INLET  
EXISTING MANHOLE  
EXISTING CURB INLET  
EXISTING STORM DRAIN MANHOLE  
EXISTING POWER POLE  
PAVEMENT CUT LOCATION  
DIRECTION OF FLOW  
POWER POLE WITH STREET LIGHT

\*TYPE D INLET (SINGLE)  
SEE C.O.A. STD DWG 2206 FOR INLET, STD DWG 2216 FOR FRAME, AND 2220 FOR GRATE.

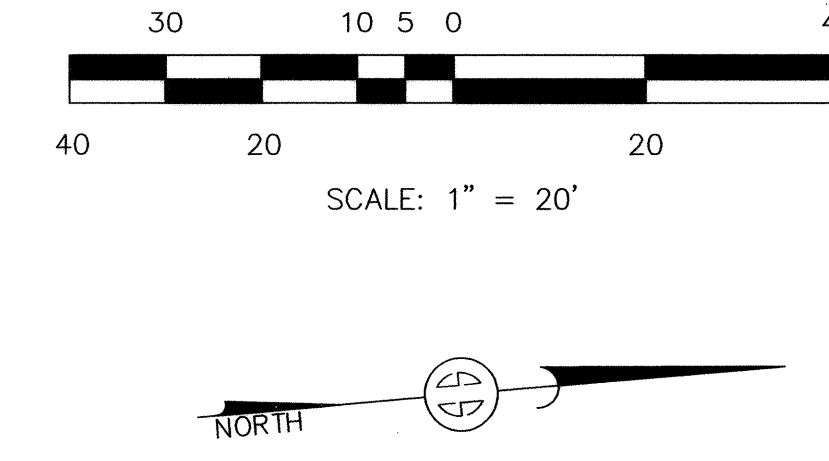
MOUNTAIN ROAD N.W.  
(RIGHT-OF-WAY VARIES 30'±)

NON-PRESSURE CONNECTION  
INSTALL 6"x6"x6" TEE AND 6" GATE VALVE W/BOX

PROJECT LOCATION



VICINITY MAP  
NOT TO SCALE



**PAIKI**  
A NATIVE AMERICAN  
A/E/FIRM  
Architecture-Engineering-Planning  
Environmental Science-Land Acquisition  
Construction Management  
11200 Lomas Blvd. NE, Suite 100 Albuquerque, NM 87112  
Ph: (505) 332-1125  
Fax: (505) 332-1126

PAIKI M. GARCIA, P.E.  
REGISTERED PROFESSIONAL ENGINEER  
NO. 11200

BENCHMARK NAME: 20-113  
ELEVATION (US-FOOT) DATUM  
(NAVD80): 4960.717  
DESCRIPTION:  
City of Albuquerque survey control, 1/4" metallic disk stamped ACS BM.20-113, expoxied to top of a curb SSW curb return of Rio Grande Boulevard and Carson Road N.W.

MARK	DATE	DESIGNED BY	DRAWN BY	APPROVED BY

**LOS MOCHOS COMPOUND**  
**GRADING AND DRAINAGE PLAN**  
**DRB # 1003928**

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP

Design Review Committee  
**APPROVED**  
NOV 14 2007  
DESIGN REVIEW COMMITTEE

City Engineer Approval  
**APPROVED**  
DEC 14 2007  
CITY ENGINEER

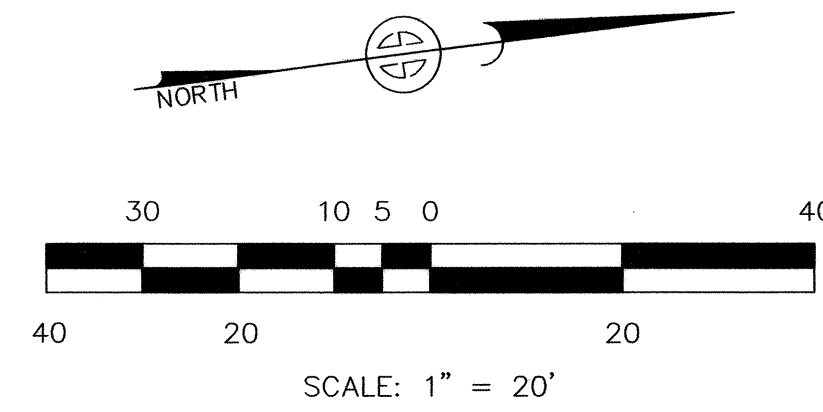
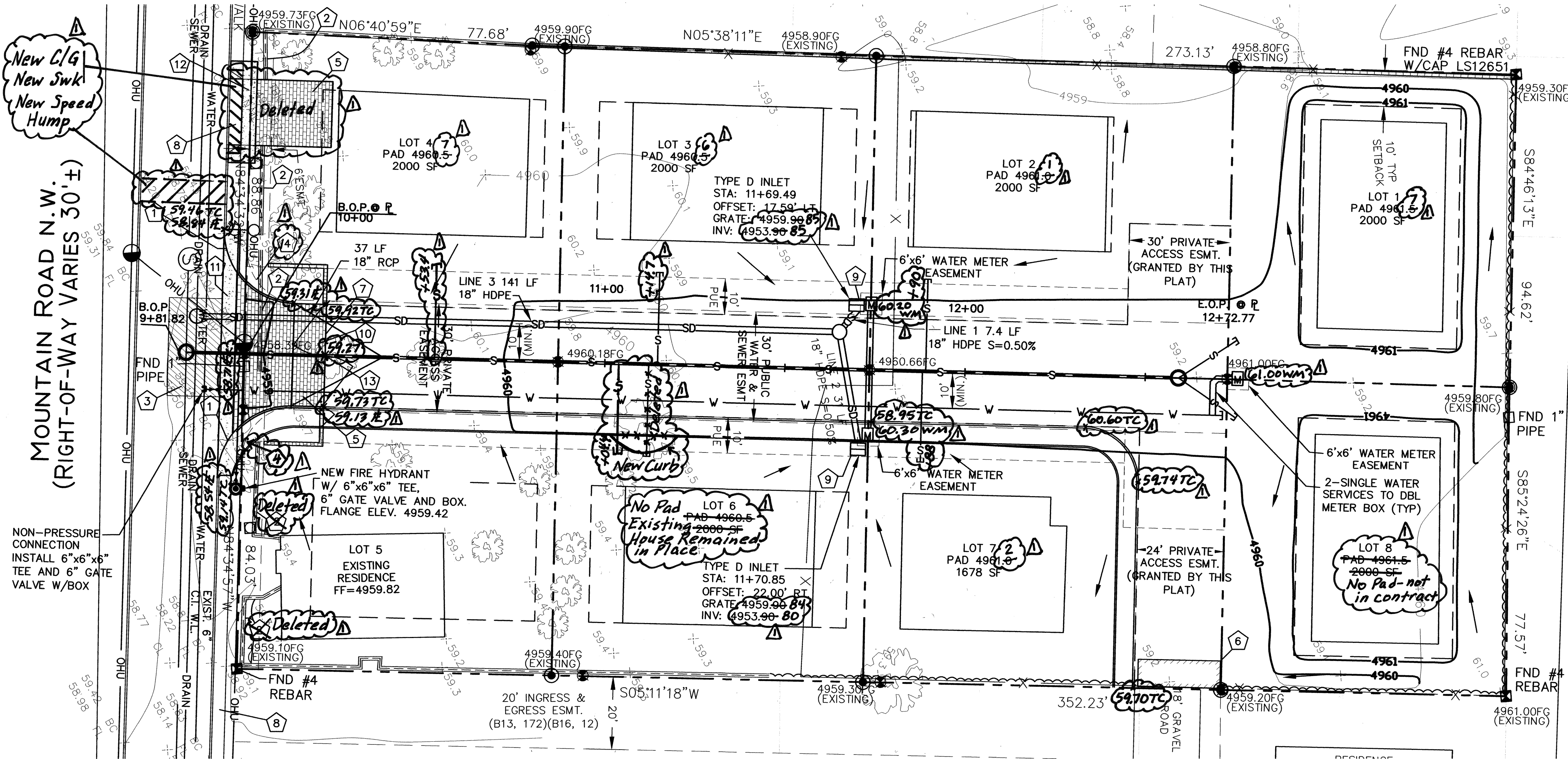
Last Design Update  
Mo./Day/Yr. Mo./Day/Yr.

City Project No. 684182  
Zone Map No. J-13

PROJECT NO. 07400  
DWG FILE: MountainRdProject  
DATE: 4-11-07

SHT: 05 OF 08

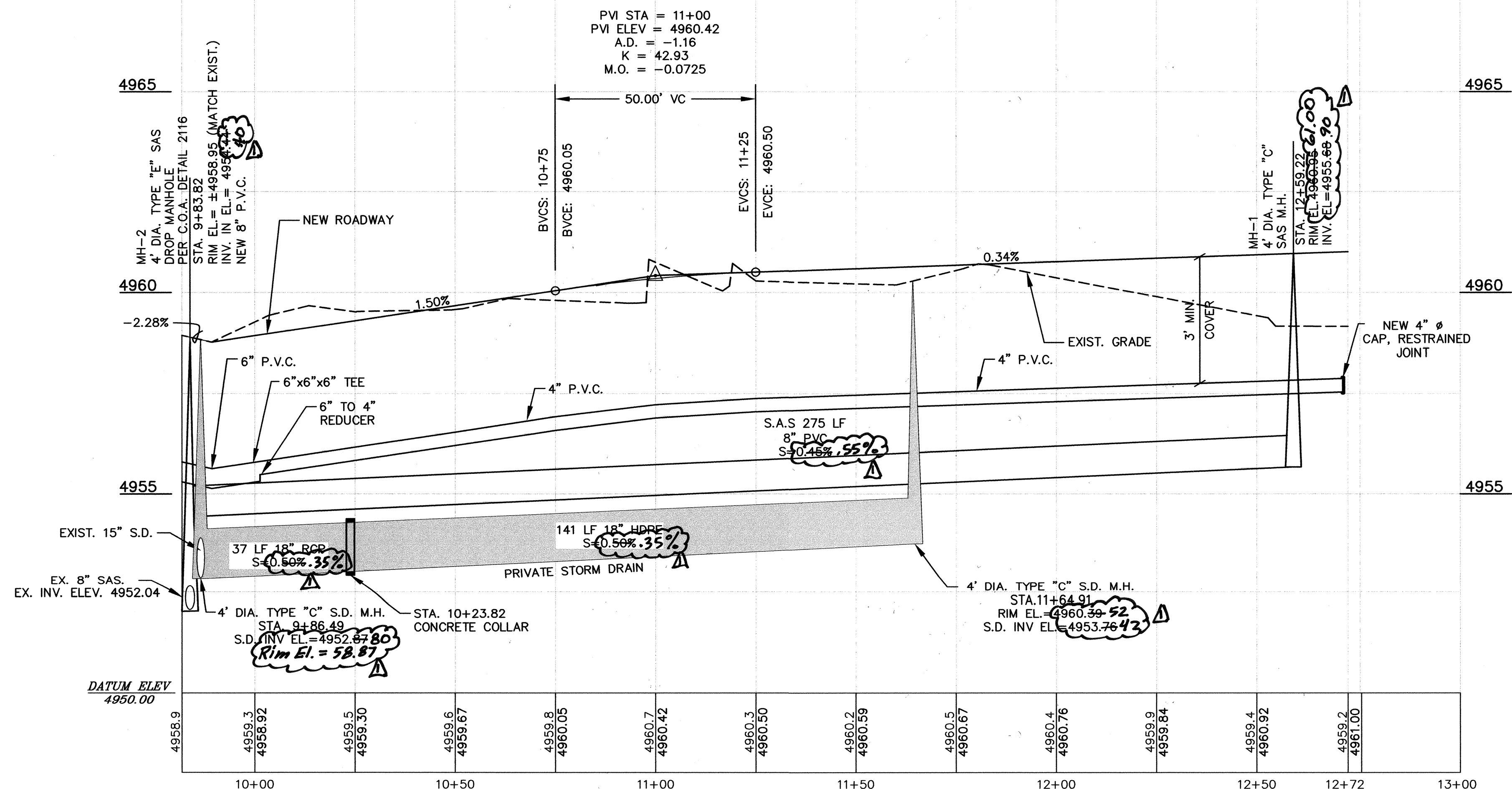




- KEYED NOTES:**
- NEW STANDARD CURB AND GUTTER (20' RADIUS) AND CURB ACCESS RAMP SEE SHT. 4 OF 8.
  - REMOVE EXISTING WALL.
  - PAVEMENT CUTS FOR UTILITIES PER C.O.A. STD DWG 2465 (ARTERIAL).
  - EXISTING POWER POLE TO BE RELOCATED BY P.N.M. TO THIS LOCATION. (REMOVED)
  - 5" CONCRETE PAVEMENT.
  - BUILD 6" HIGH (ABOVE FINISHED GRADE) x 24" WIDE x 8' LONG SPEED HUMP/DRAINAGE BARRIER. BUILD HUMP WITH SOIL/CEMENT OR SIMILAR, APPROVED BASE MATERIAL AND COVER WITH GRAVEL SURFACING.
  - BUILD WALL WITH VEHICLE ACCESS AND GATE FOR SIDEWALK FROM EDGE OF EASEMENT TO STA 10+22.38. DESIGN OF WALL AND GATE BY OTHERS. (Not in Contract)
  - EXISTING CONCRETE DRIVEPAD. (Removed)
  - INLET GRATE PER C.O.A. STD. DWG. 2220.
  - MATCH ELEVATION OF EXISTING EDGE OF PAVEMENT ON MOUNTAIN ROAD. TRANSITION CROWN TO NORMAL CROWN IN 25 FT FROM CURB RETURN PER C.O.A. STD. DWG. 2401.
  - BUILD 6" VALLEY GUTTER SEE C.O.A. STD. DWG. 2420.
  - BUILD OFFSET SIDEWALK. SEE DETAIL ON SHEET 4. Deleted
  - END CONCRETE PAVEMENT AND SIDEWALK STA. 10+22.38.
  - New Street Light

**LEGEND**

—	EXISTING STORM DRAIN
—	EXISTING WATER LINE
—	EXISTING SANITARY SEWER
—	PROPOSED CONCRETE PAVING
—	EXISTING TREE
—	PROPOSED CONTOUR
—	CONTOUR EXIST.
—	HOUSING PAD
—	PROPOSED SEWER
—	PROPOSED STORM DRAIN
—	PROPOSED WATER LINE
+	EXISTING SPOT ELEVATION
+	FINISHED SPOT ELEVATION
—	SETBACK
—	PROPERTY LINE
—	EXISTING FENCE LINE
—	EASEMENT
—	OVERHEAD ELECTRIC/PHONE
—	EXISTING WALL
—	PROPOSED WALL
—	EXISTING/PROPOSED BERM
—	MANHOLE
—	PROPOSED WATER METER (DOUBLE)
—	TYPE D INLET
—	EXISTING MANHOLE
—	EXISTING CURB INLET
—	EXISTING STORM DRAIN MANHOLE
—	EXISTING POWER POLE
—	PAVEMENT CUT LOCATION
—	DIRECTION OF FLOW
—	POWER POLE WITH STREET LIGHT



**CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING GROUP**

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED NOV 14 2007 DESIGN REVIEW COMMITTEE	APPROVED DEC 14 2007 CITY ENGINEER		
City Project No.	Zone Map No.	Last Design Update	
684182	J-13		

**LOS MOCHOS COMPOUND  
ROADWAY AND STORM DRAIN  
PLAN AND PROFILE**

PROJECT NO. 07400  
DWG FILE: MountainRdProject  
DATE: 4-11-07

06 08

**PAIKI**  
A NATIVE AMERICAN  
A/E FIRM

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Environmental Science-Land Acquisition  
Construction Management

11200 Lomas Blvd. NE, Suite 100 Albuquerque, NM 87112  
PH: (505) 332-1125  
Fax: (505) 332-1126



BENCHMARK NAME: 20-J13  
ELEVATION (US-FOOT) DATUM  
(NAVD80): 4960.717

DESCRIPTION:  
City of Albuquerque survey control, 1/4"  
metallic disk stamped "ACS BM 20-J13"  
epoxied to top of a curb SSW curb  
return of Rio Grande Boulevard and  
Carson Road N.W.

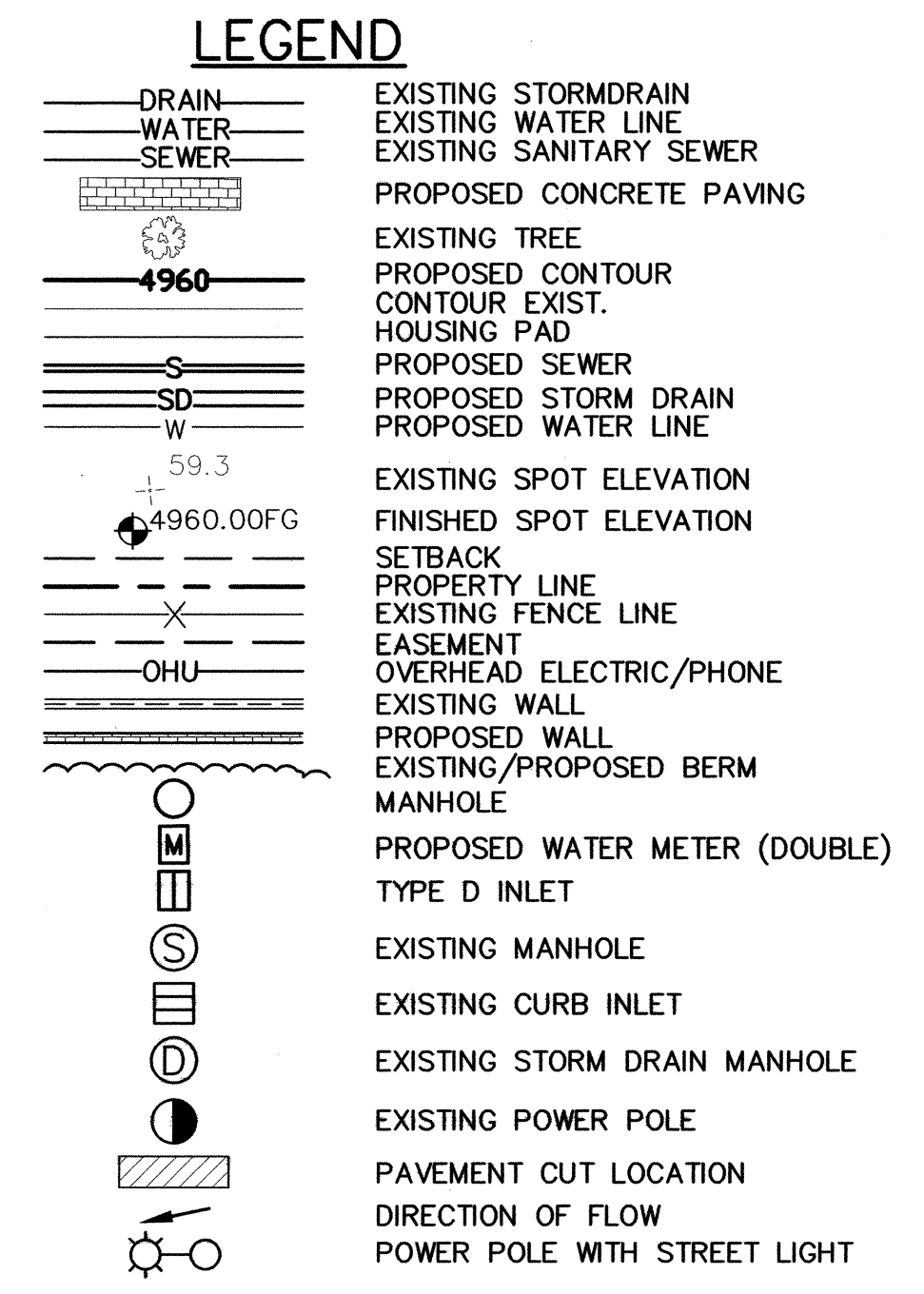
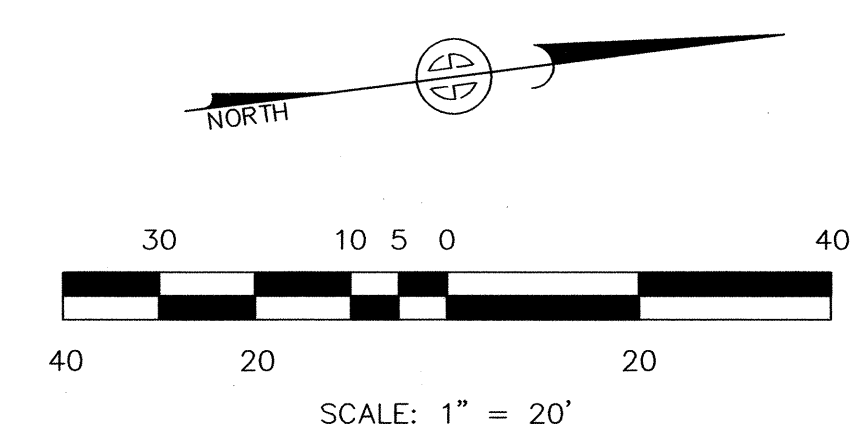
**Revised Record Drawings**

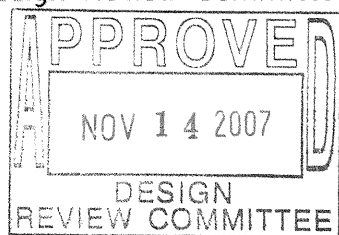
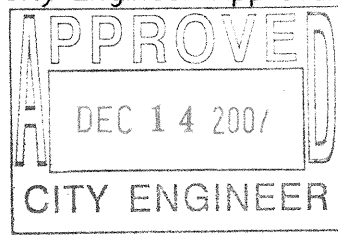
MARK	DATE	DESIGNED BY	DRAWN BY	APPROVED BY




New C/G  
New Swk  
New Speed  
Hump

NON-PRESSURE  
CONNECTION  
INSTALL 6"x6"x6"  
TEE AND 6" GATE  
VALVE W/BOX



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP						
Design Review Committee		City Engineer Approval		Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
						
City Project No.			Zone Map No.			
684182			J-13			

**LOS MOCHOS COMPOUND  
WATER AND SANITARY SEWER  
PLAN AND PROFILE**



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Construction Management

Ph: (505) 332-1125  
Fax: (505) 332-1126

11202 Loma Blvd. NE, Suite 100 Albuquerque, NM 87112

BENCHMARK NAME: 20-J13  
ELEVATION (US-FOOT) DATUM  
(NAVD80): 4960.717  
DESCRIPTION:  
City of Albuquerque survey control, 1 $\frac{3}{4}$ "  
metallic disk stamped "ACS BM, 20-J13",  
exposed to top of a curb SSW curb  
return of Rio Grande Boulevard and  
Carson Road N.W.

<b><i>Delta Records Drawings</i></b>		
MARK	DATE	DESCRIPTION
DESIGNED BY:		
DRAWN BY:		
APPROVED BY:		

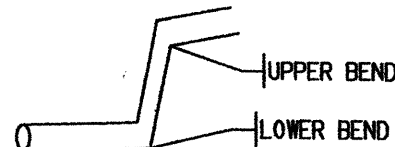
SHT: 07 OF 08



MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS			
	6"	8"	10"	12"
6" X 8" TEE	1	-	-	-
8" X 8" TEE	-	1	-	-
8" X 10" TEE	-	-	1	-
8" X 12" TEE	-	-	-	1
10" X 10" TEE	-	-	1	-
10" X 12" TEE	-	-	-	1
10" X 14" TEE	-	-	1	-
8" X 8" CROSS	-	1	-	-
8" X 8" REDUCER	-	23	-	-
10" X 8" REDUCER	-	-	22	-
12" X 8" REDUCER	-	-	-	42
12" X 10" REDUCER	-	-	-	25
90° HORIZ. BEND	16	20	24	23
45° HORIZ. BEND	7	8	10	11
22.5° HORIZ. BEND	4	4	5	5
11.25° HORIZ. BEND	2	2	2	2
GATE VALVE/CAP	42	55	66	50
22.5° VERT. BEND (UPPER)	9	7	8	10
(LOWER)	3	2	3	4
11.25° VERT. BEND (UPPER)	5	3	4	5
(LOWER)	2	1	1	2

NOTE:

1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
2. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE POINTS WITHIN 20 LF OF MJ SHALL BE RESTRAINED AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ABOVE. (SEE NOTE 2 ABOVE).
4. THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANT JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.
5. ALL CAPS SHALL UTILIZE POC BLOCKING, UNLESS OTHERWISE NOTED.
6. RESTRAINED LENGTH IS ON LARGE SIDE ON ALL REDUCERS
7. RESTRAIN ALL JOINTS BETWEEN UPPER AND LOWER VERTICAL BENDS.

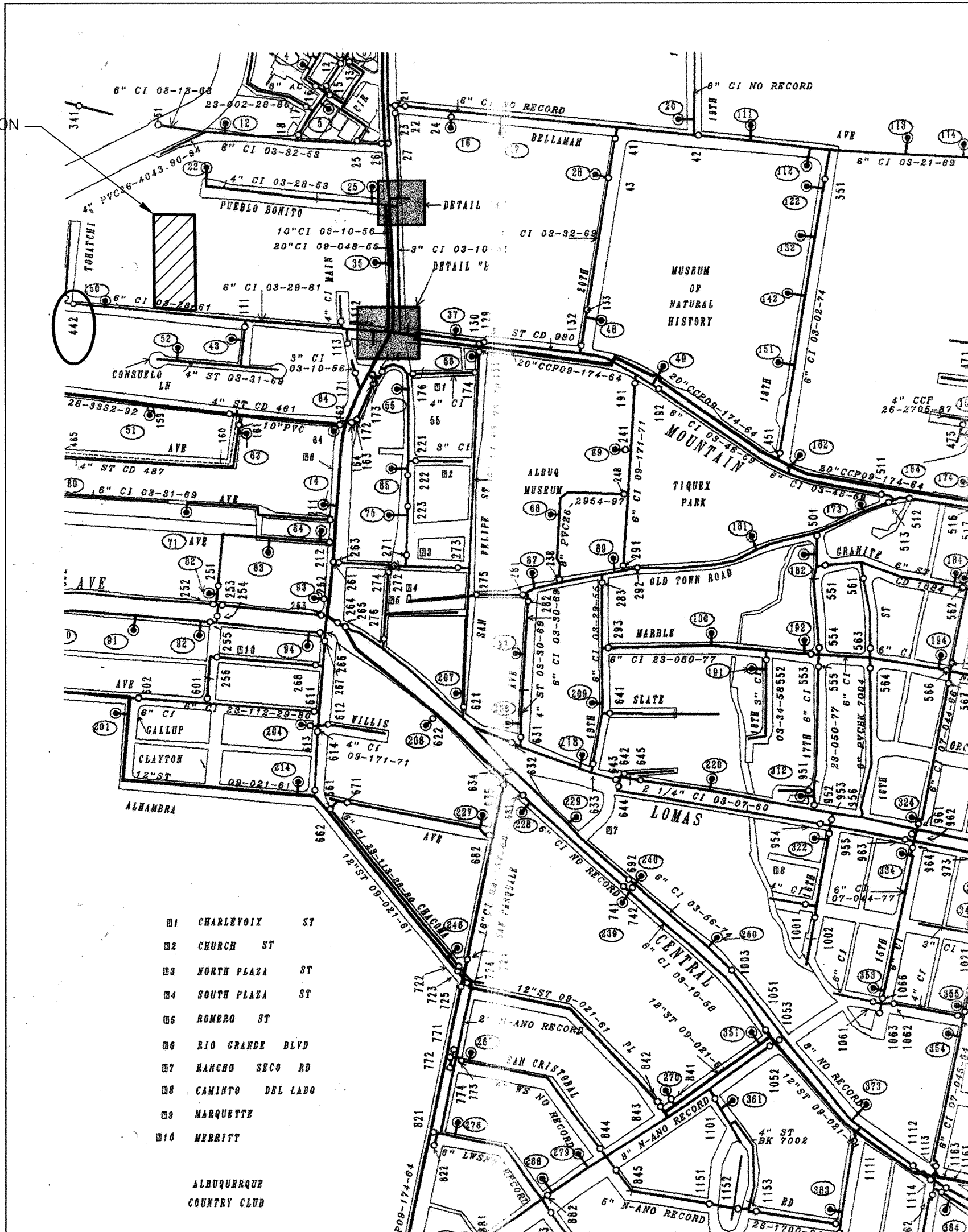


RESTRAINED JOINTS FOR WATER LINE VALVES & FITTINGS

UTILITY GENERAL NOTES:

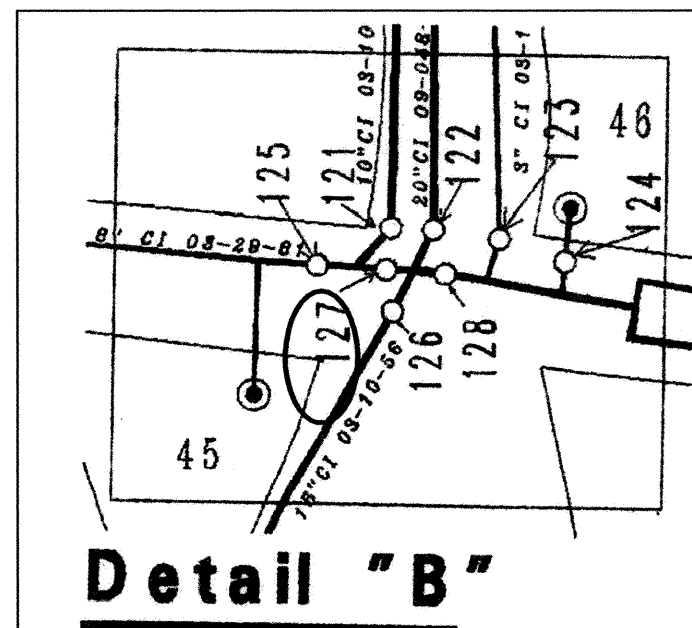
1. ALL WATER SERVICE LINES SHALL HAVE ASSE APPROVED DUAL CHECK VALVES.
2. SEE C.O.A. STD DWG'S 2362 AND 2366 FOR WATER SERVICE INSTALLATIONS. FOR LOCATION SEE STD DWG 2361 (CASE 5). USE HEAVY DUTY WATER METER BOX LIDS PER C.O.A. STD DWG 2369.
3. FIRE HYDRANT INSTALLATION SHALL BE PER C.O.A. STD DWG 2340. HYDRANT TO BE LOCATED WITHIN THE UTILITY EASEMENT. SEE WATER AND SANITARY SEWER PLAN AND PROFILE AND C.O.A. STD DWG 2347.
4. MANHOLES SEE C.O.A. STD DWG 2101 AND 2102. USE SOLID MANHOLE COVERS PER C.O.A. STD DWG 2110. FOR DROP MANHOLE SEE C.O.A. STD DWG 2116.
5. WATER GATE VALVE BOXES SHALL BE PER C.O.A. STD DWG 2325. SEE ALSO STD. DWG'S 2328 AND 2461.
6. SEE C.O.A. STD DWG 2301 FOR WATER LINE CONNECTION IN MOUNTAIN ROAD.
7. SANITARY SEWER SERVICE CONNECTIONS SHALL BE PERPENDICULAR TO THE SEWER MAIN AND CONSTRUCTED PER C.O.A. STD DWG 2125, OR SHALL BE MANHOLE SERVICE CONNECTIONS PER STD DWG 2118. INSTALL DEAD-END MARKERS PER STD DWG 2145 IF CONNECTION IS POSTPONED.

PROJECT LOCATION



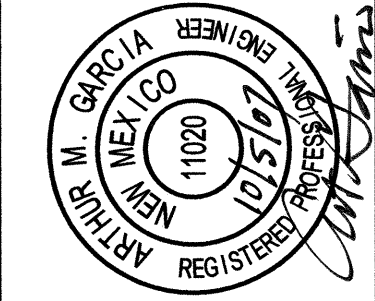
3/4" WATER SERVICES				
STATION	LOT	TYPE	LENGTH	REMARKS
12+72.27	1,8	DOUBLE	10.0'	C.L., @ P.L.
11+73.48	2,3	DOUBLE	24.5'	LEFT, @ P.L.
N/A	4	EXISTING SERVICE		
N/A	5	EXISTING SERVICE		
11+73.48 6,7		DOUBLE	4.5'	RIGHT, @ P.L.

4" SEWER SERVICES				
STATION	LOT	INV. @ P.L.	LENGTH	REMARKS
12+59.22	1	4956.30	16.0'	MANHOLE CONNECTION
11+90.00	2	4956.40	15.0'	
11+14.60	3	4956.20	15.0'	
11+105.40	4	Unknown	15.0'	EXISTING SERVICE - Added Service
N/A				EXISTING SERVICE
11+12.00 04.40	6	4956.20	15.0'	
11+88.00	7	4956.40	15.0'	
12+59.22	8	4956.30	16.0'	MANHOLE CONNECTION



WATER SHUT OFF PLAN GENERAL NOTES:

1. CONTRACTOR SHALL NOTIFY ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY WATER SYSTEMS SEVEN (7) WORKING DAYS IN ADVANCE OF NEEDING EXECUTION OF WATER SHUT OFF PLAN.
2. ONLY WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE VALVES.
3. FOR CONNECTION CLOSE VALVES 442 AND 125 LOCATED ON PLAN AND DETAIL "B".



Albuquerque Record Drawings		DATE		DESCRIPTION
DESIGNED BY		DRAWN BY		
APPROVED BY:				

LOS MOCHOS COMPOUND  
UTILITY DETAILS

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
Design Review Committee <b>APPROVED</b> NOV 14 2007 DESIGN REVIEW COMMITTEE	City Engineer Approval <b>APPROVED</b> DEC 14 2007 CITY ENGINEER	Last Design Update	Mo./Day/Yr. Mo./Day/Yr.

City Project No.	Zone Map No.
684182	J-13

PROJECT NO. 07400 DWG FILE: DATE:
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