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26-7652-161-091

NEW MEXICO CENTRAL CREDIT UNION

NEW FIRE HYDRANT AND WATER SERVICES

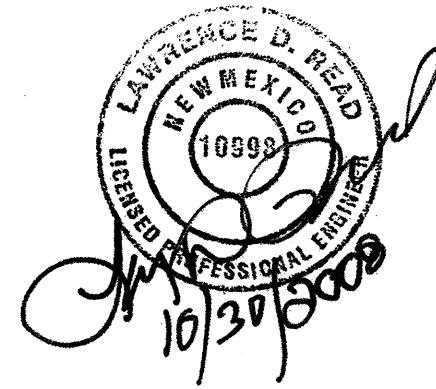
ALBUQUERQUE, NM

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER SHEET AND INDEX TO DRAWINGS
2	WATER PLAN AND PROFILE

CERTIFICATION OF SUBSTANTIAL COMPLIANCE

I, Larry D. Read, NMPE 10998, of the firm Larry Read & Associates, Inc., A Registered Professional Engineer in the State of New Mexico, do hereby certify that to the best of my knowledge and belief, 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, excepted as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction. This Certification is submitted in support of a request for Release of Financial Guaranty and Work Order closeout.



COA STANDARD DRAWINGS

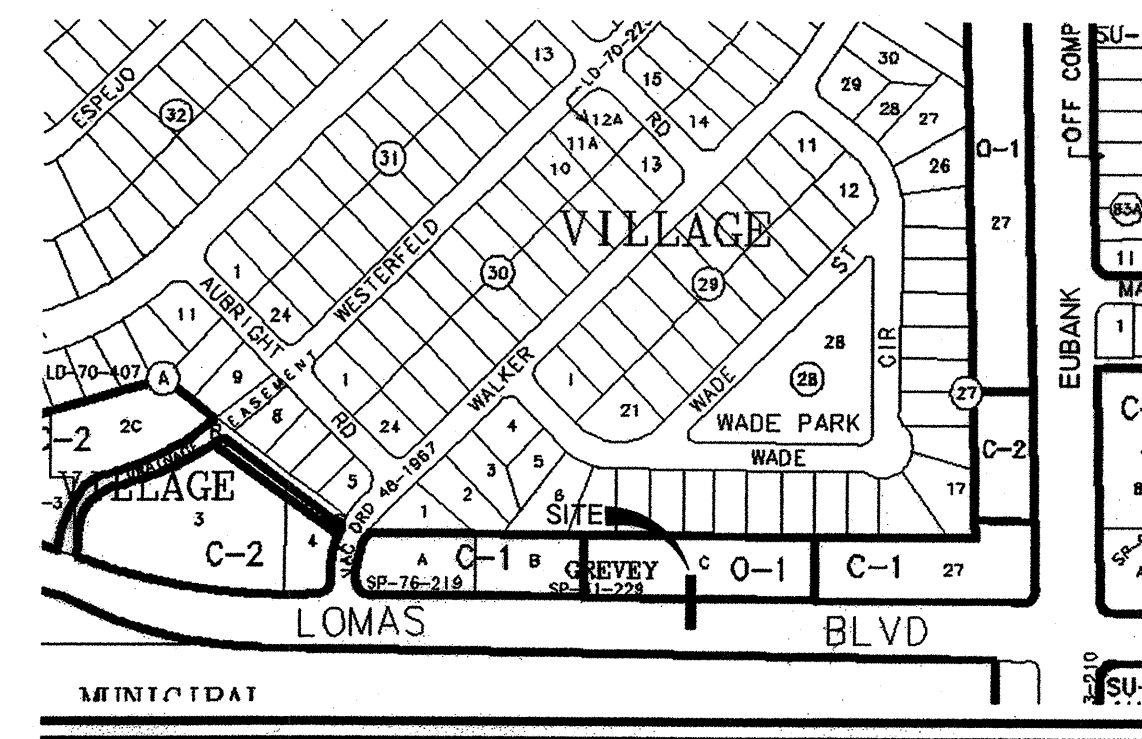
- ALL UTILITY CUT ARTERIAL PAVEMENT PATCHING SHALL BE PER COA STD DWG 2465.
- ALL SIDEWALK REPLACEMENT SHALL BE PER COA STD DWG 2430.
- ALL CURB AND GUTTER REPLACEMENT SHALL BE PER COA STD DWG 2415A.
- ALL VALVES SHALL BE INSTALLED PER COA STD DWG 2333.
- ALL VALVE BOXES SHALL BE INSTALLED PER COA STD DWGS 2326 AND 2328.

LEGEND

—	PROPERTY LINE	=====	NEW CURB AND GUTTER & SIDEWALK	⊙	EX SAS MANHOLE	— 8" SAS —	PROPOSED SANITARY SEWER LINE
(S 83°39'25" W)	RECORD BEARING AND DISTANCES	=====	EX CURB AND GUTTER & SIDEWALK	⊙	PROP SAS MANHOLE	—	EX SANITARY SEWER LINE
N 00°07'27" W	MEASURED BEARING AND DISTANCES	⊙	EX FIRE HYDRANT	⊙	PROP WATER METER	— 4" W —	PROPOSED WATER LINE
⊙	FOUND AND USED MONUMENT	⊙	PROP WATER VALVE	— S —	PROPOSED SANITARY SEWER SERVICE	—	EX WATER LINE

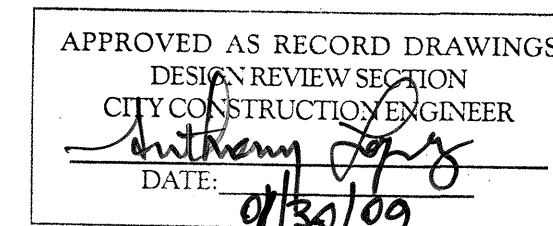
GENERAL NOTES

- 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 STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION THROUGH MOST RECENT UPDATE #7 AND AMENDMENT #1 WILL BE REFERRED TO HEREIN AS "STANDARD SPECIFICATIONS".
- ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY OR EASEMENTS MUST BE DONE FROM APPROVED WORK ORDER DOCUMENTS FROM THE CITY.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- 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. CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER AND ENGINEER FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE ACCOMPLISHED IN ACCORDANCE WITH OSHA 29CFR 1926.650 SUBPART P.
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION (IF REQUIRED BY ALBUQUERQUE ENVIRONMENTAL HEALTH DEPARTMENT).
- PERMIT REQUESTS MAY BE DENIED OR DELAYED DUE TO CONFLICTS WITH OTHER PROJECTS IN THE AREA.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. ONLY THE CITY SURVEYOR SHALL REPLACE SURVEY MONUMENTS. 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 STANDARD SPECIFICATIONS SECTION 4.4.
- CONTRACTOR SHALL COORDINATE WITH ABCWUA (857-8200) SEVEN (7) WORKING DAYS PRIOR TO ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUTOFF. EXISTING ABCWUA VALVES TO BE OPERATED BY ABCWUA PERSONNEL ONLY.
- SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL DETERMINE IN ADVANCE OF HIS CONSTRUCTION IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYS, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION TO CONSTRUCTION OPERATIONS IS EVIDENT, CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF CONTRACTOR.
- PNM WILL PROVIDE AT NO COST TO THE CITY OR THE CONTRACTOR THE REQUIRED PERSONNEL FOR INSPECTION OR OBSERVATION DEEMED NECESSARY BY PNM WHILE THE 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 OR RELOCATING THE POLES AND CABLES DURING CONSTRUCTION.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (280-1990) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL PERTINENT EXISTING UTILITIES AND/OR OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- EXISTING UTILITY LINE LOCATION 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 TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES.
- 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.



GRAPHIC SCALE IN FEET
VICINITY MAP
ZONE ATLAS
J-20-Z

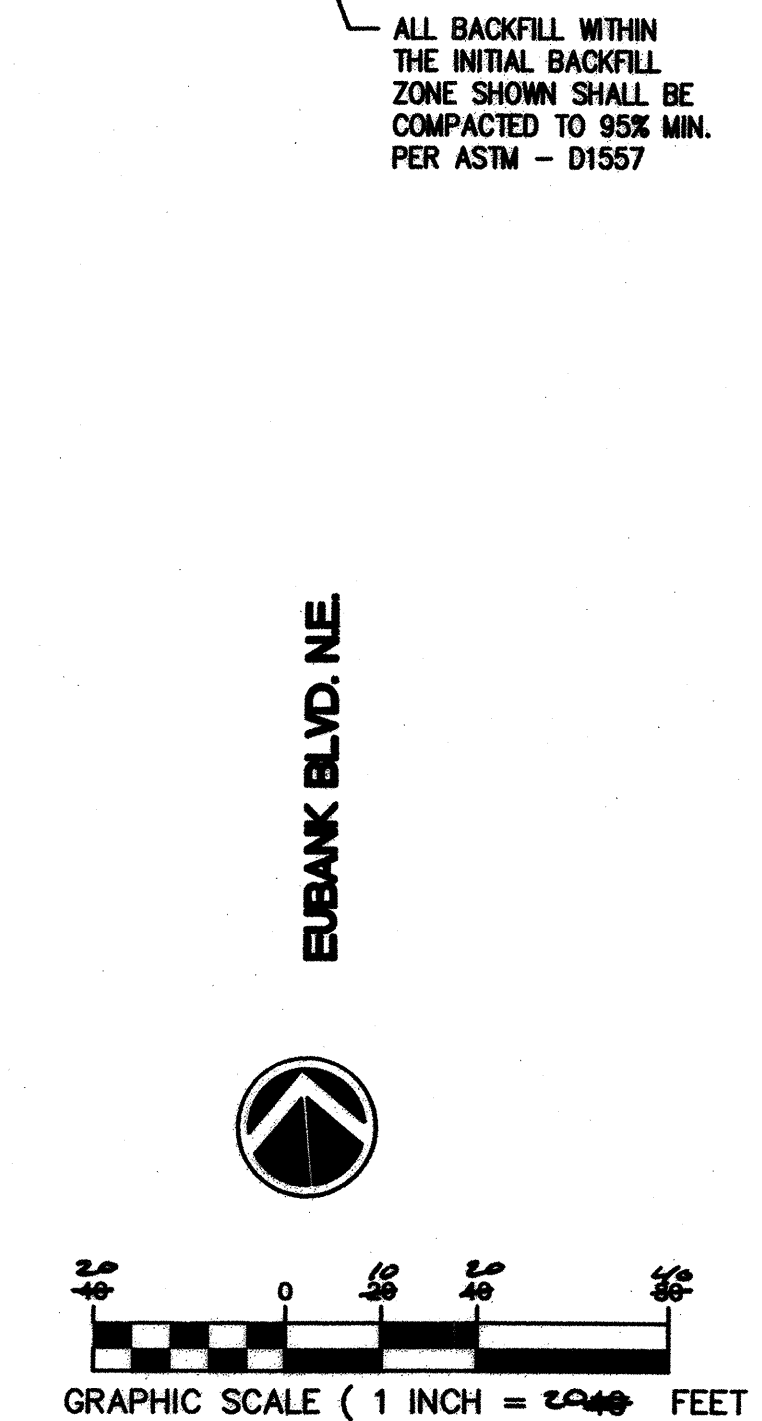
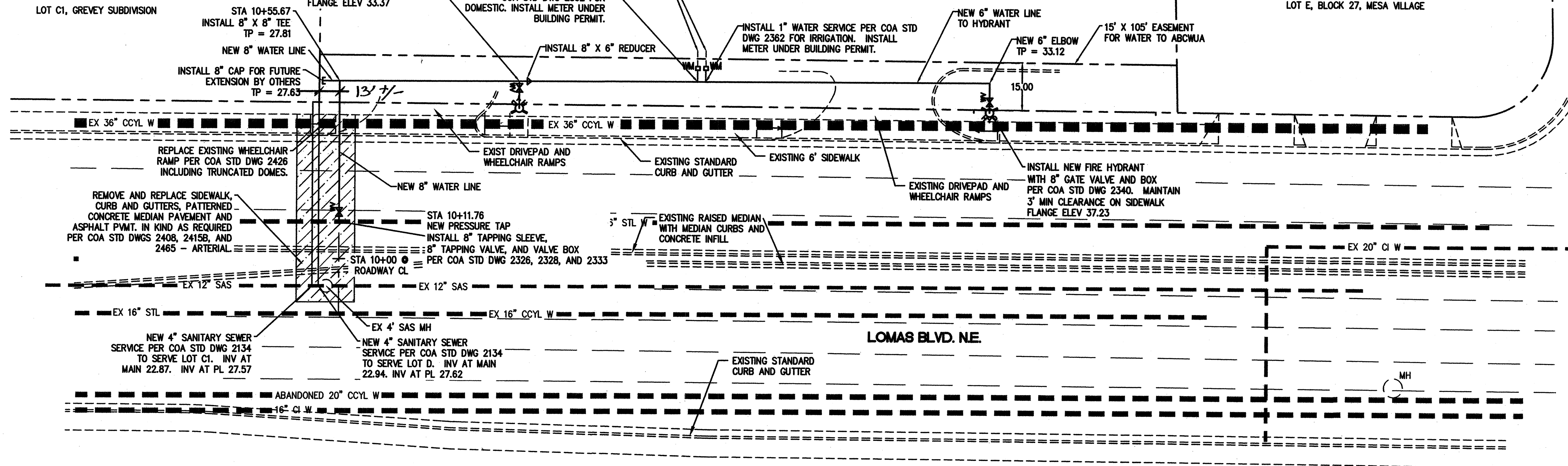
- CONTRACTOR IS TO SUPPORT AND MAINTAIN THE INTEGRITY OF ALL UNDERGROUND TELEPHONE, ELECTRIC CABLES AND CABLE TELEVISION UTILITIES AT NO ADDITIONAL COST TO THE OWNER. CABLE IS TO BE SUPPORTED AT A MAXIMUM OF EVERY FIFTEEN (15) FEET. CONTRACTOR SHALL COORDINATE WITH AND MAKE NECESSARY PAYMENT (IF ANY) TO UTILITY OWNER FOR DE-ENERGIZATION OF CABLES OR SUPPORT OF CABLES BY THE UTILITY OWNER.
- 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 "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ALL FINAL BACKFILL FOR TRENCHES WITHIN COA RIGHT-OF-WAY SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY STANDARD SPECIFICATIONS SECTION 301.41 AND STANDARD DRAWINGS NUMBERED 2315 AND 2465.
- CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR PRIVATE ROADWAY EASEMENTS SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET OR INTO ANY PUBLIC DRAINAGE FACILITY.
- REMOVALS SHALL BE DISPOSED OF OFF-SITE AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL IN AN ENVIRONMENTALLY ACCEPTABLE MANNER AT A LOCATION ACCEPTABLE TO THE PROJECT MANAGER. THERE WILL BE NO DIRECT COMPENSATION FOR THIS WORK.
- CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN A MANNER WHICH WILL MINIMIZE INTERFERENCE WITH LOCAL TRAFFIC.
- ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR (24) HOURS OF CONSTRUCTION.
- WHEN ABUTTING EXISTING PAVEMENT TO NEW, SAW CUT 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.
- REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK SHALL BE TO THE NEAREST JOINT OR SAW CUT.
- AT HIS OWN EXPENSE, CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENT, PAVEMENT MARKINGS, CURB AND GUTTER, HANDICAP RAMPS, AND SIDEWALK DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE, PER STANDARD SPECIFICATIONS.
- ALL STREET STRIPING, ALTERED OR DESTROYED, SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO SAME LOCATION AS EXISTING, OR AS INDICATED BY THIS PLAN SET.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.
- FOR STORM DRAIN CONSTRUCTION, RCP JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.
- 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.



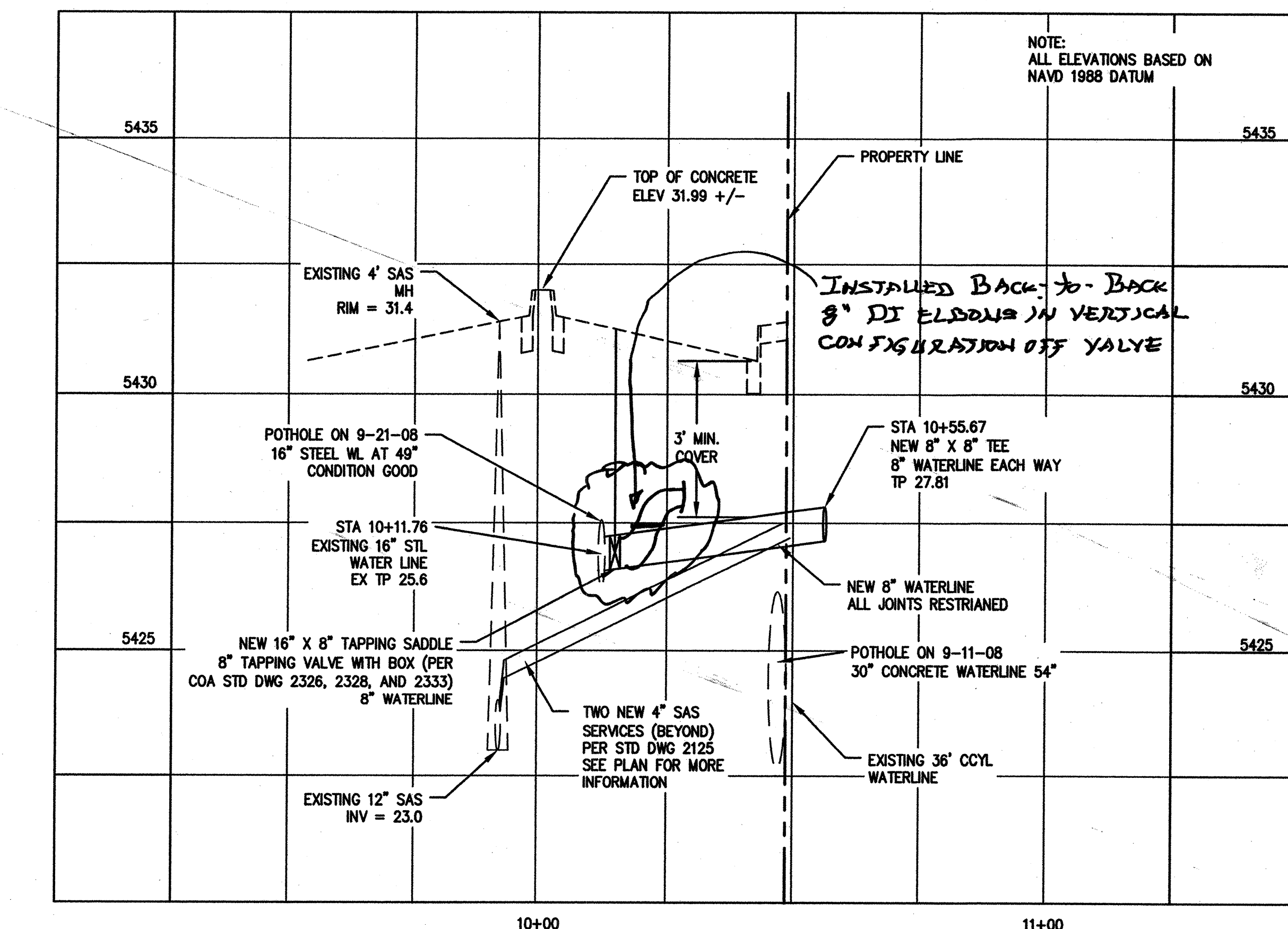
LARRY READ & ASSOCIATES, Inc.
Civil Engineers
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DRC # 1004588					
REV.	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE
ENGINEER'S SEAL		APPROVALS	ENGINEER	DATE	
		DRC CHAIRMAN	10/9/08		
		TRANSPORTATION	9/29/08		
		ABCWUA	10/6/08		
		HYDROLOGY	10/6/08		
		PARKS			
		CONSTR. MANAGER			
		APPROVED FOR CONSTRUCTION			
		CITY ENGINEER		DATE	
PROJECT NO. 7652.61		SHEET 1 OF 2			

WATER LINE FITTING RESTRAINED LENGTHS			
FITTING	LENGTH - RUN	LENGTH - BRANCH	
16" X 8" TEE	22'	19'	
8" 90° ELBOW	22'		
8" 45° ELBOW	9'		
8" CAP	60'		
8" VALVE	60'		
8" X 6" REDUCER	33'		
8" X 6" TEE	17'	7'	



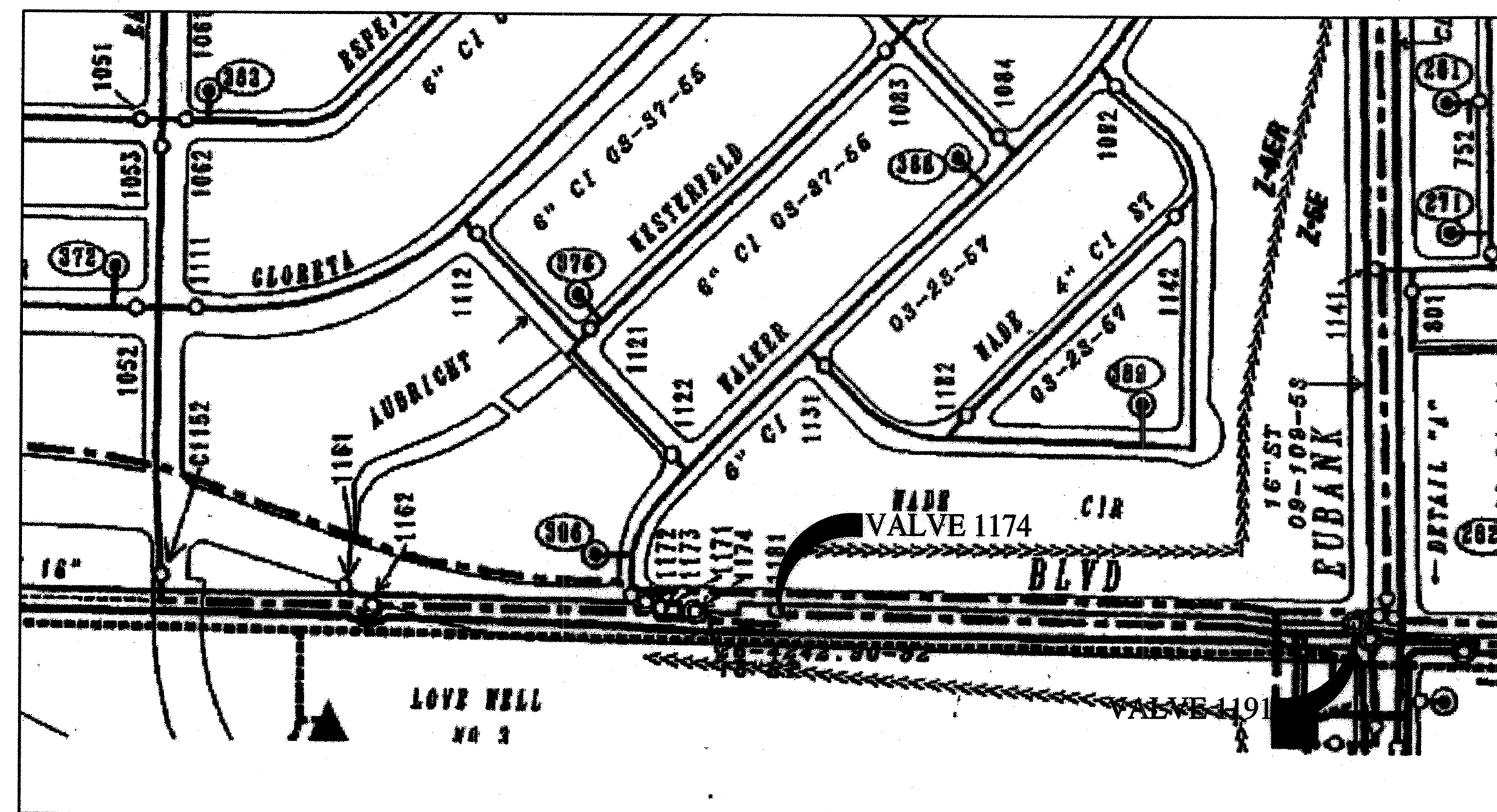
NEW FIRE HYDRANT/WATER SERVICE INSTALLATION
SCALE 1" = 20'



WATERLINE PROFILE
SCALE 1" = 20' (H) 1" = 2' (V)



CERTIFICATION OF SUBSTANTIAL COMPLIANCE
I, Lawrence D. Read, of the firm Larry Read & Associates, Inc., a Registered Professional Engineer in the State of New Mexico, do hereby certify that to the best of my knowledge and belief, the infrastructure installed as part of this project has been constructed in accordance with the specifications approved by the City Engineer and that the original design intent of the approved plans has been met, excepted as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction. This Certification is submitted in support of a request for Release of Financial Guaranty and Work Order closure.



EMERGENCY WATER SHUT OFF PLAN

1. CLOSE VALVES 1174 AND 1191.
2. CONTRACTOR SHALL CONTACT THE WATER AUTHORITY (857-8200) SEVEN (7) WORKING DAYS PRIOR TO VALVE SHUT OFF. ONLY THE WATER AUTHORITY PERSONNEL ARE AUTHORIZED TO OPERATE VALVES.

COA STANDARD DRAWINGS

1. ALL NEW WATERLINES SHALL BE AWWA PVC C-900, DR-18.

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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: NEW MEXICO CENTRAL CREDIT UNION NEW FIRE HYDRANT AND SERVICE LINES PLAN AND PROFILE	
DESIGN REVIEW COMMITTEE APPROVE OCT 09 2008	CITY ENGINEER OCT 09 2008
DESIGN REVIEW COMMITTEE PROJECT NO. 7652.61	MAP NO. J-20
LAST DESIGN DATE	SHEET 2 OF 2
DESIGNED BY LRA	CHECKED BY LDR
DRAWN BY LRA	
DATE AUGUST 2008	
DATE AUGUST 2008	
DATE AUGUST 2008	