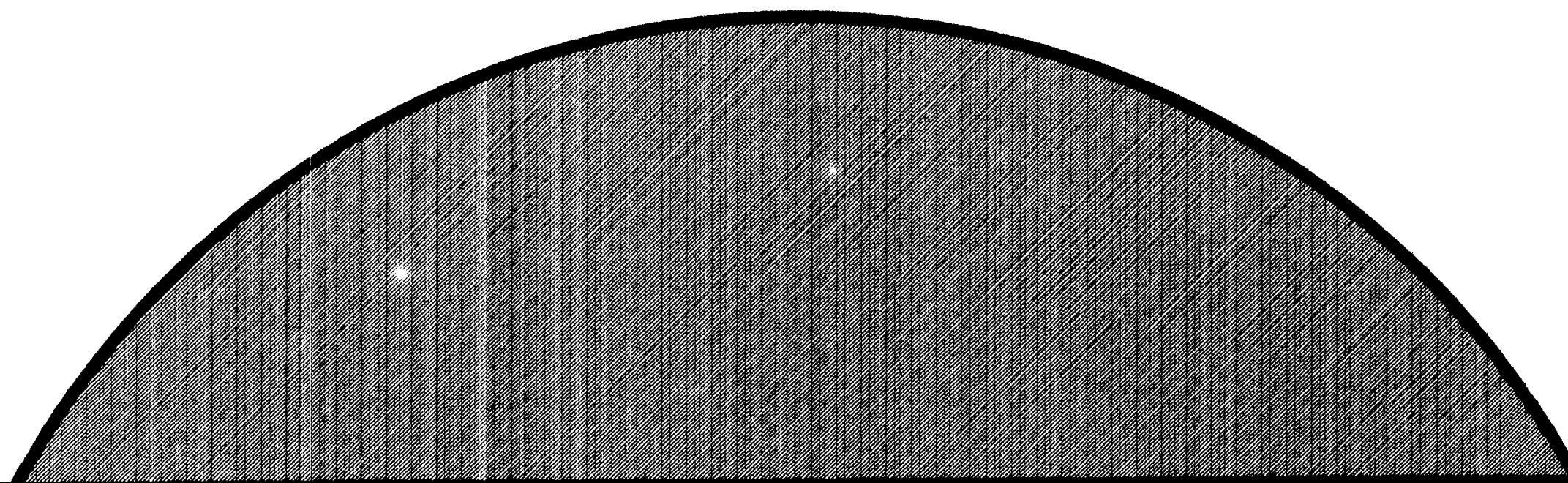
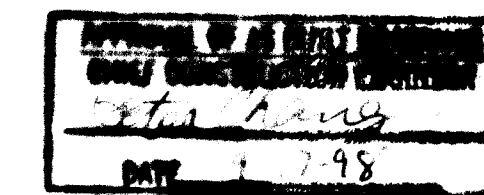




HORIZON/CMS HEALTHCARE CORPORATION

WATERLINE EXTENSIONS — 1996

CITY OF ALBUQUERQUE
BERNALILLO COUNTY
NEW MEXICO



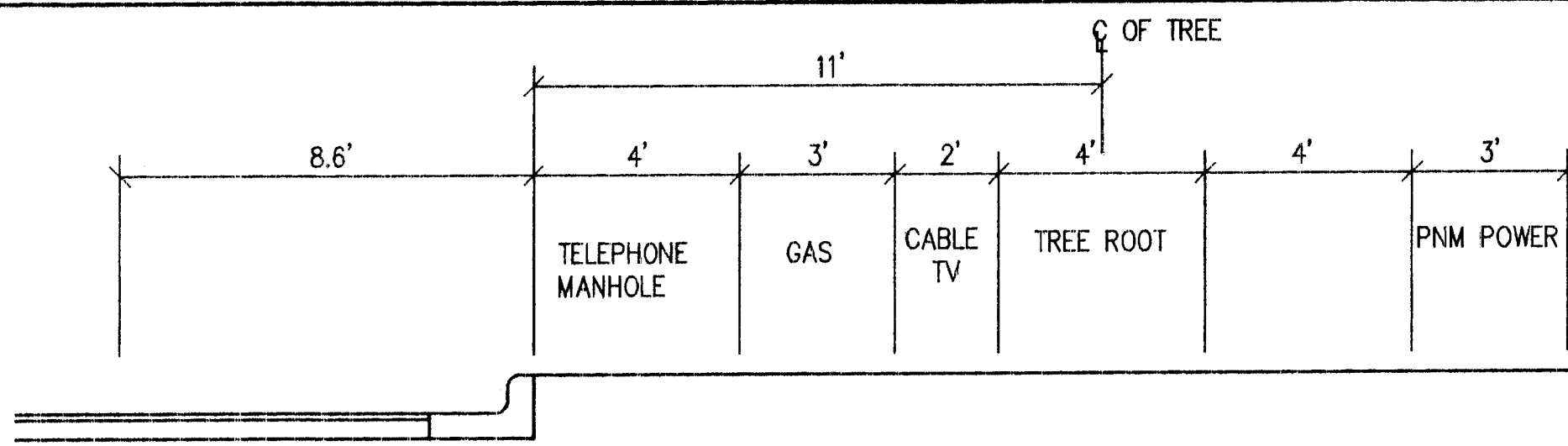
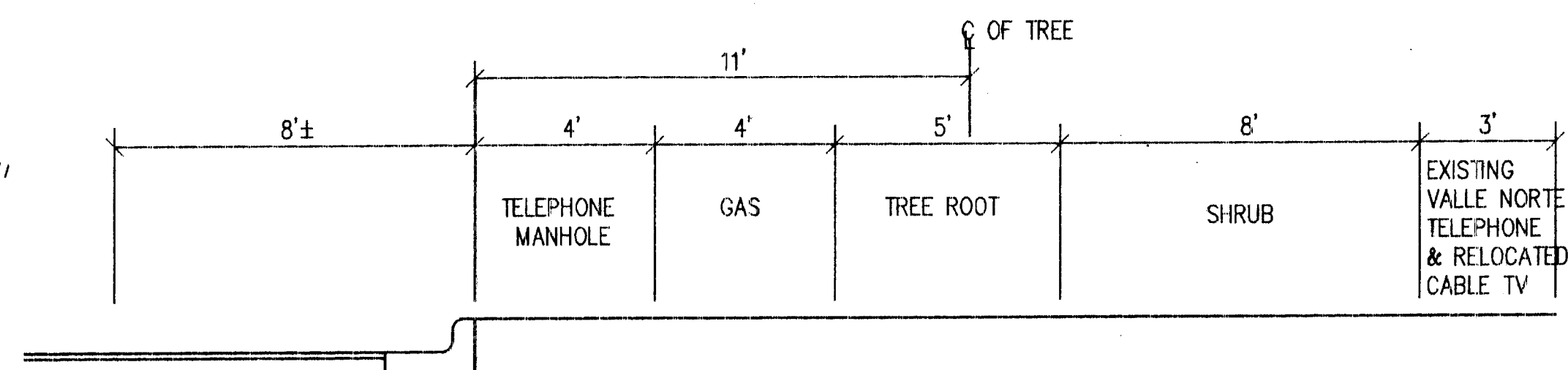
SCANNED BY
BY LASON

KEMPER—VAUGHAN

CONSULTING ENGINEERS

3700 COORS RD. N.W. • ALBUQUERQUE, NEW MEXICO 87120 • (505) 831-452

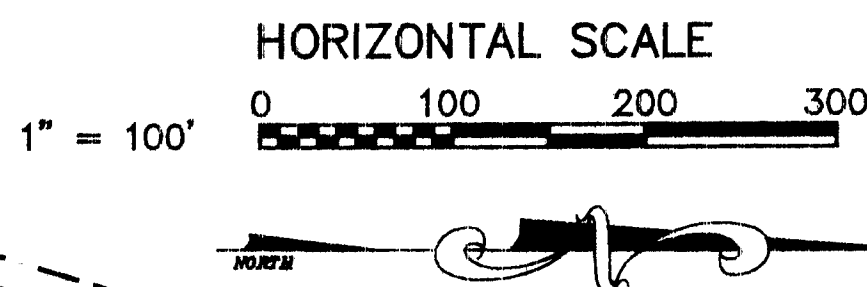
REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	D.
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER	DATE	*****	
		DRC Chairman		<i>Billie J. Gabel</i>	11-20-96	APPROVED FOR CONSTRUCT	
		Transportation		<i>John M. Shup</i>	11-8-96		
		Water/Wastewater		<i>John M. Shup</i>	11-8-96		
		Hydrology		<i>John M. Shup</i>	11/12/96		
		Parks					
Constr. Mangmt.							
City Project No.		557381		Sheet		1	Of 3



SOUTH OF INTERSECTION TO VALLE NORTE

NORTH OF INTERSECTION TO VALLE NORTE

UTILITY LOCATIONS - HORIZON BLVD.



CONSTRUCTION NOTES

1. RESTRAIN ALL JOINTS FROM TEE TO FIRE HYDRANT FLANGE.
 2. BLOCKING REQUIRED AS SHOWN WILL BE CONSIDERED INCIDENTAL TO THE WATERLINE PAY ITEM.
 3. ALL CONCRETE PAVING SHALL BE 4000# 28-DAY STRENGTH. (MIN.)
- #### COA STANDARD DETAILS
- 2125 - SEWER SERVICE LINE DETAILS
 - 2301 - WATERLINE CONNECTION DETAILS
 - 2320 - CONCRETE BLOCKING DESIGN
 - 2326 - VALVE BOX, TYPE B
 - 2328 - RING AND COVER FOR VALVE BOX
 - 2333 - WATER VALVE ANCHORAGE
 - 2340 - FIRE HYDRANT INSTALLATION
 - 2363 - METERED SERVICE LINE INSTALLATION

GENERAL LEGEND

EXISTING WATERLINE	---
NEW WATERLINE	---
EXISTING SPOT ELEVATION	×499.9
EXISTING MANHOLE	MH
EXISTING SANITARY SEWER	---SAS---
FIRE HYDRANT	FH
WATERLINE VALVE	⊗
UNDERGROUND ELECTRIC	---UCE---
UNDERGROUND PIPE/CONDUIT	---

RESTRAINED JOINT LENGTH REQUIREMENTS:

RESTRAINED JOINT LENGTHS FOR TEES (FT.) - ALL JOINTS AT THE TEE MUST BE RESTRAINED.

SIZE	MINIMUM RUN LENGTH		MINIMUM BRANCH LENGTH	
	RUN	BRANCH	RUN	BRANCH
10x10x10	12	18	15	5
10x10x8	8	15	10	4
10x10x6	4	16	6	1
8x8x6	5	17	7	5

RESTRAINED JOINT LENGTHS FOR VALVES AND DEAD ENDS, (FT.)

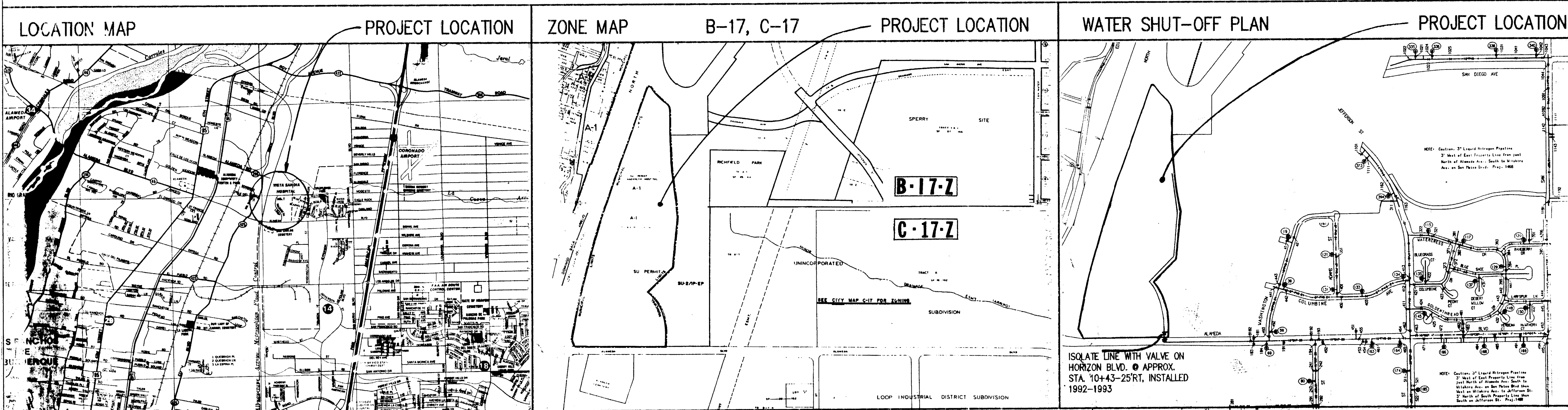
SIZE	LENGTH
10	72
8	60
6	46

NOTE: ALL SERVICE LINES SHOWN ARE PUBLIC LINES FROM THE MAIN TO THE METER. LINES ARE THE PRIVATE FROM THE METER TO BUILDING OR IRRIGATION SYSTEM. ALL IRRIGATION METERS ARE TO BE LOCATED BEHIND CURB AS SHOWN ON STANDARD DETAIL #2363.

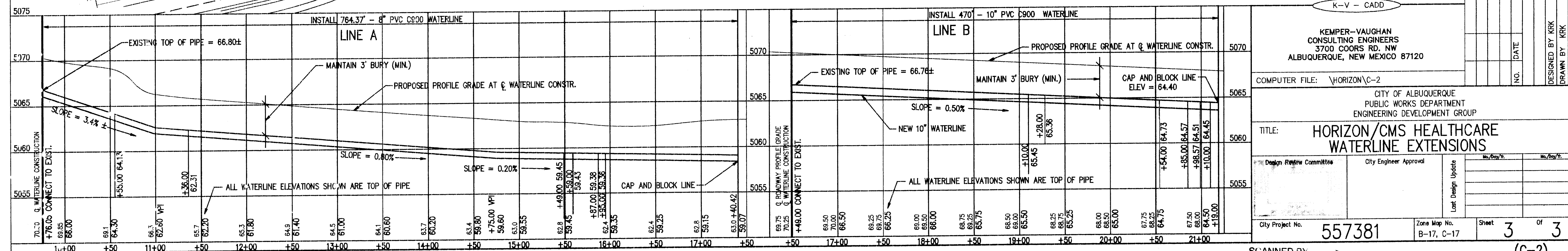
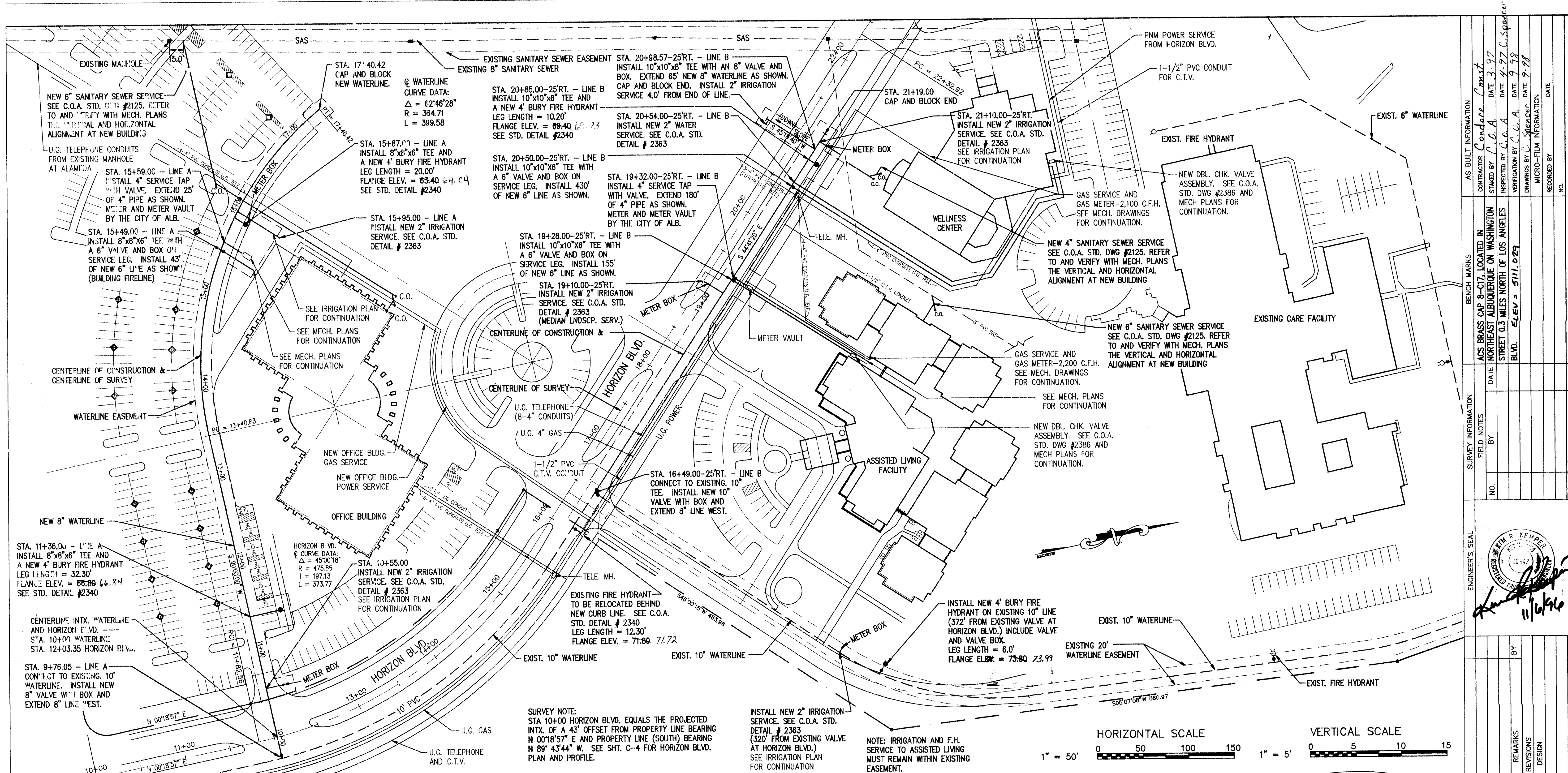
PROJECT GENERAL NOTES

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" (COA STD) AS AMENDED THROUGH ALL CURRENT UPDATES.
2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
3. 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 SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
4. NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN HEREON AND THAT ANY EXISTING UTILITIES THAT ARE SHOWN, ARE IN AN APPROXIMATE LOCATION ONLY. IT SHALL BE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY HIS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES.
5. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING AND SURVEYING FROM BASELINES, GRADES, AND BENCH MARKS SHOWN ON THE PLANS, OR MODIFIED IN THE FIELD BY THE ENGINEER, FOR ALL ITEMS OF WORK WHICH REQUIRE CONSTRUCTION STAKING AND SURVEYING. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO REESTABLISH ANY MISSING REFERENCE POINTS REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT. ALL COSTS INCURRED IN PROVIDING SUCH CONSTRUCTION STAKING AND SURVEYING WORK SHALL BE CONSIDERED INCIDENTAL TO THIS PROJECT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING, IN ADVANCE OF HIS CONSTRUCTION OPERATIONS, IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYS, ETC., ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION TO CONSTRUCTION OPERATIONS IS EVIDENT, THE 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 THE CONTRACTOR.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF THE WATER SHUTOFF. AT LEAST FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISIONS, 857-8200, TO INITIATE IMPLEMENTATION OF THE NON-PRESSURIZED CONNECTION PLAN. IN ORDER TO COMPLETE THIS CONNECTION, THE VALVES SHOWN BELOW MUST BE CLOSED BY WATER SYSTEMS PERSONNEL.
8. ALL GRADES SHALL BE RESTORED BY THE CONTRACTOR TO THE EXISTING GRADES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
9. CONTRACTOR SHALL COMPLY WITH COUNCIL ORDINANCE 0-79 FOR WATER SYSTEM CROSS CONNECTION PREVENTION AND CONTROL.

AS BUILT INFORMATION		CONTRACTOR: <i>Condon & Co.</i>		STANDARD: <i>C.O.A.</i>		DATE: <i>3-97</i>	
BENCH MARKS		INSPECTED BY: <i>C.O.A.</i>		DATE: <i>4-97</i>		DRAWINGS BY: <i>C. Spencer</i>	
SURVEY INFORMATION		FIELD NOTES		DATE		NO.	
NO.		BY		DATE		NO.	
ENGINEER'S SEAL		KEMPER-VAUGHAN CONSULTING ENGINEERS		10542		11/64	
REMARKS		REVISIONS		DESIGN		BY	
NO.		DATE		NO.		BY	
DESIGNED BY: <i>RRK</i>							



K-V - CADD	
KEMPER-VAUGHAN CONSULTING ENGINEERS 3700 COORS RD. NW ALBUQUERQUE, NEW MEXICO 87120	
COMPUTER FILE: \HORIZON\C-2	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: HORIZON/CMS HEALTHCARE WATERLINE EXTENSIONS	
Design Review Committee	City Engineer Approval
City Project No. 557381	Zone Map No. B-17, C-17
Sheet 2 of 2	SCANNED BY



AS BUILT INFORMATION

CONTRACTOR: *Concord*

STANDARD: *C.O.A.*

DATE: *3-97*

INSPECTED BY: *C.O.A.*

DATE: *4-97*

VERIFIED BY: *C.O.A.*

DATE: *9-98*

DRAWN BY: *C. Spec*

DATE: *9-98*

RECORDED BY:

DATE:

BENCH MARKS

ACS BRASS CAP 8-C17, LOCATED IN

NORTHEAST ALBUQUERQUE ON WASHINGTON

STREET 0.3 MILES NORTH OF LOS ANGELES

BLVD. ELEV = 5111.029

SURVEY INFORMATION

FIELD NOTES

NO.

BY

DATE

ENGINEER'S SEAL

R. Kemper

11/6/96

REMARKS

DESIGN

NO.

DATE

BY

DESIGNED BY: KRK

DRAWN BY: KRK

CHECKED BY: KRK

COMPUTER FILE: \HORIZON\C-2

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **HORIZON/CMS HEALTHCARE
WATERLINE EXTENSIONS**

Design Review Committee City Engineer Approval

City Project No. **557381** Zone Map No. B-17, C-17

Sheet **3** of **3**