

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
2010-07-10 11:18:14 - 12/01/11

SCANNED BY
PLANNING

CONSTRUCTION PLANS
FOR
SAUVIGNON PHASE III / TUSCANY VILLAGE
UTILITIES
ALBUQUERQUE, NEW MEXICO

INDEX

SHEET NUMBER	DESCRIPTION
1	TITLE SHEET
2	PLAT
3	OVERALL UTILITY PLAN
~~3R~~	~~REVISED OVERALL UTILITY PLAN (REPLACES SHEET 3) Deleted~~
4	UTILITY PLAN & PROFILE
~~4R~~	~~REVISED UTILITY PLAN & PROFILE (REPLACES SHEET 4) Deleted~~

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON RECORD DRAWINGS

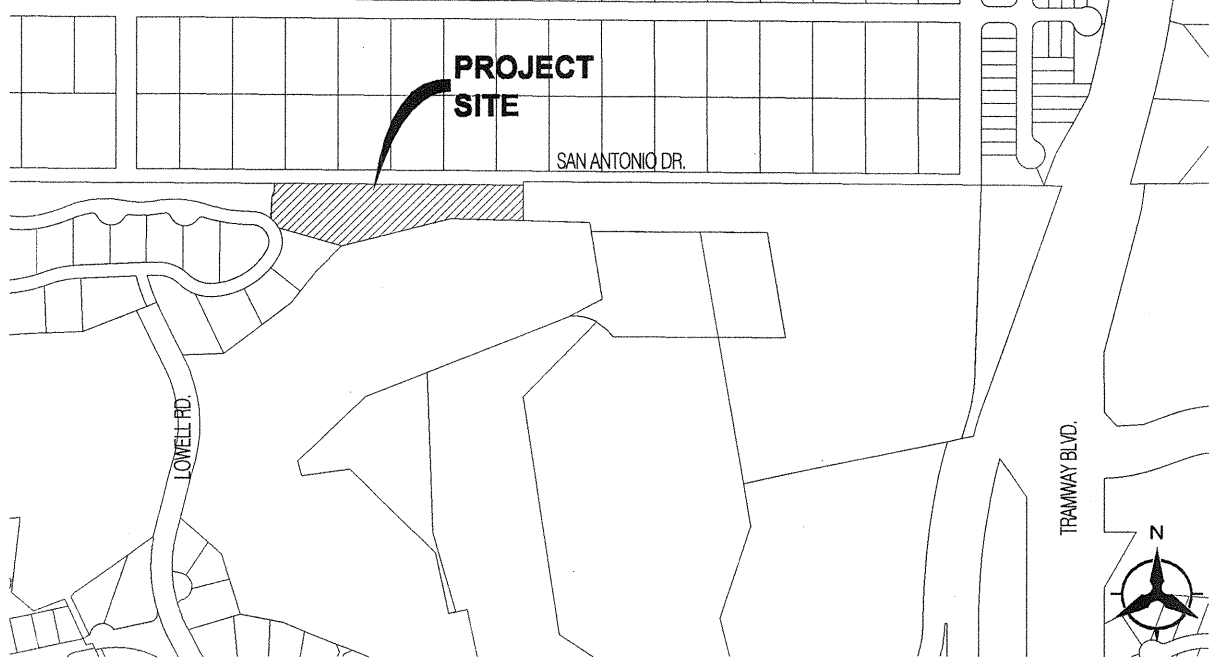
I, JAMES L. HEWITT, JR., NMPE 6871, of the firm of Hewitt Engineering & Environmental Consultants, a Registered Professional Engineer in the State of New Mexico, do hereby certify to the best of my knowledge and belief that the infrastructure installed as part of this project has been inspected by me 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 Harris Surveying, Inc., NMPS #11463.

JAMES L. HEWITT, JR., NMPE 6871

04/11/2011
DATE

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 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.
- ☒ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.



VICINITY MAP: NOT TO SCALE ZONE MAP NO. E-22-Z

NOTICE TO CONTRACTORS

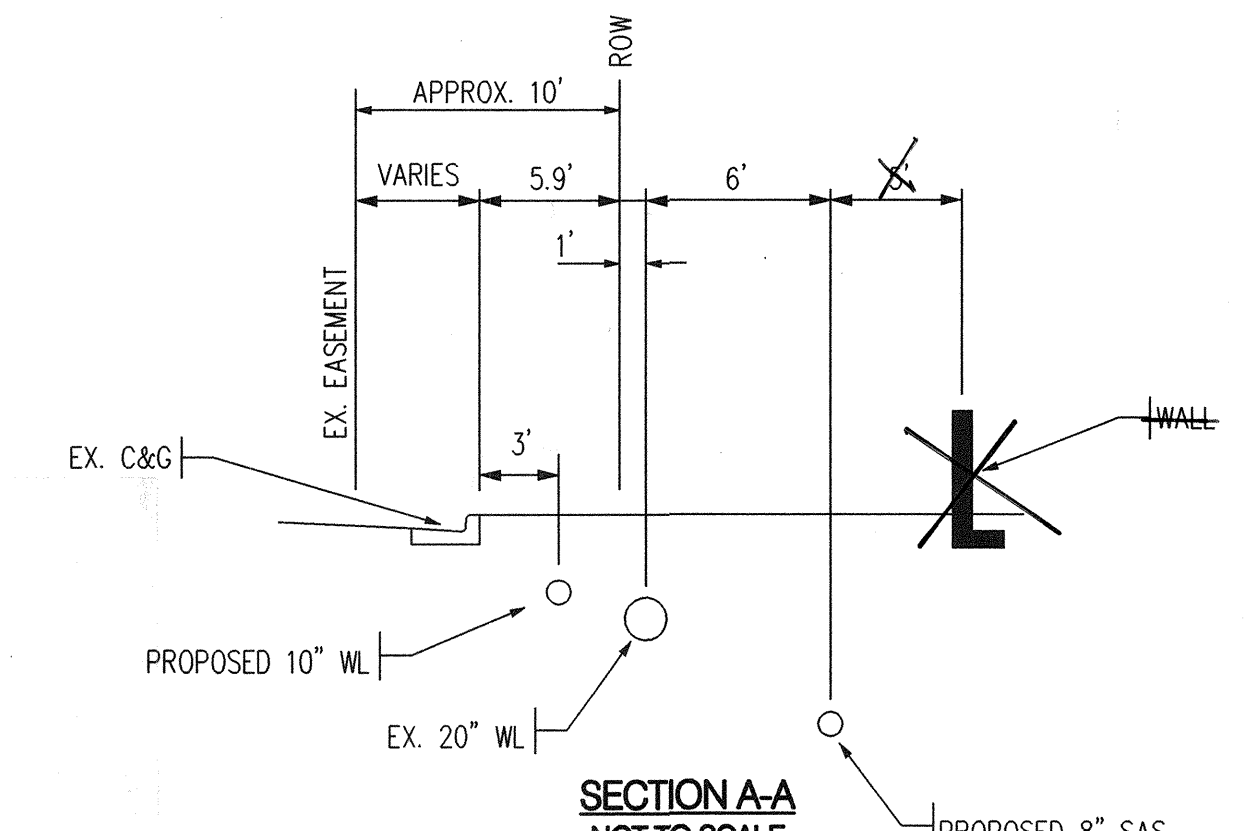
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE NO. 7, INCLUDING AMENDMENT NO. 1.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- 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.
- SEVEN (7) 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 CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY CONSTRUCTION COORDINATION ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- ALL WORK AFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED W/ PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS EXISTING, OR AS INDICATED BY THIS PLAN SET.
- 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. 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.
- CONTRACTOR SHALL RECORD 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.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- CONTRACTOR SHALL COORDINATE WITH THE ABCWA WATER AUTHORITY (857-8200) SEVEN WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY WATER PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER AUTHORITY SEVEN (7) DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNAGE UNTIL PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.
- DEVELOPER SHALL PROVIDE AND MAINTAIN ALL SIGNING AND STRIPING WITHIN PRIVATE STREETS / DEVELOPMENT.
- ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P & C.O.A. STD. DWG. 2465
- ALL UTILITIES SHALL BE BACKFILLED TO 95% COMPACTION FOR THE ENTIRE DEPTH OF THE TRENCH. THIS INCLUDES ALL SANITARY SEWER LINES, WATER LINES, STORM DRAIN LINES, DRY UTILITY SLEEVES AND TRAFFIC SIGNAL / STREET LIGHT CONDUITS.

RECORD DRAWINGS

REV.	3R+4R	3+4	DATE	2-15-11	DATE	2-15-11
REV.	3+4	DATE	1-27-11	DATE	1-27-11	
ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	*****		
	DRC Chairman	11-29-10	APPROVED FOR CONSTRUCTION			
	Transportation	9/10/10				
	Water/Wastewater	9/14/10				
	Hydrology	9/14/10				
	CIP	9/14/10				
Const. Mngmt.						
Const. Coord.						
AMAFCA						
DRB CASE NUMBER	CITY PROJECT NO.	740184	SHEET	1	OF 4	

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY ENGINEER
DATE: 12/29/11

Bohannon & Huston
courtyard | 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES



Surveying License, NMPE 6871-1-1001

James L. Hewitt Jr.

JAMES L. HEWITT, JR., NMPE 6871

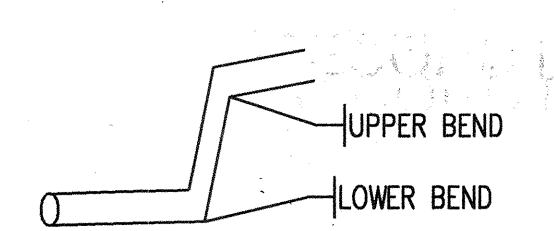


04/11/2011

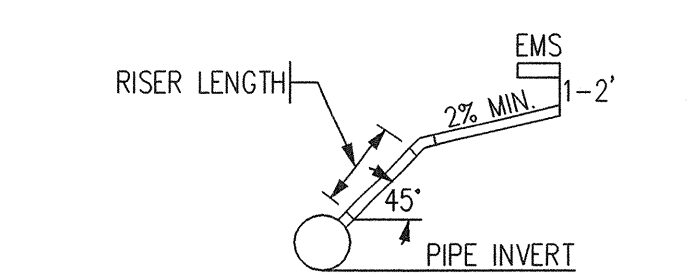
DATE

NOTE:
6" WL, & 10" WL TO BE PVC (C-900)
8" SAS TO BE PVC (C-900)

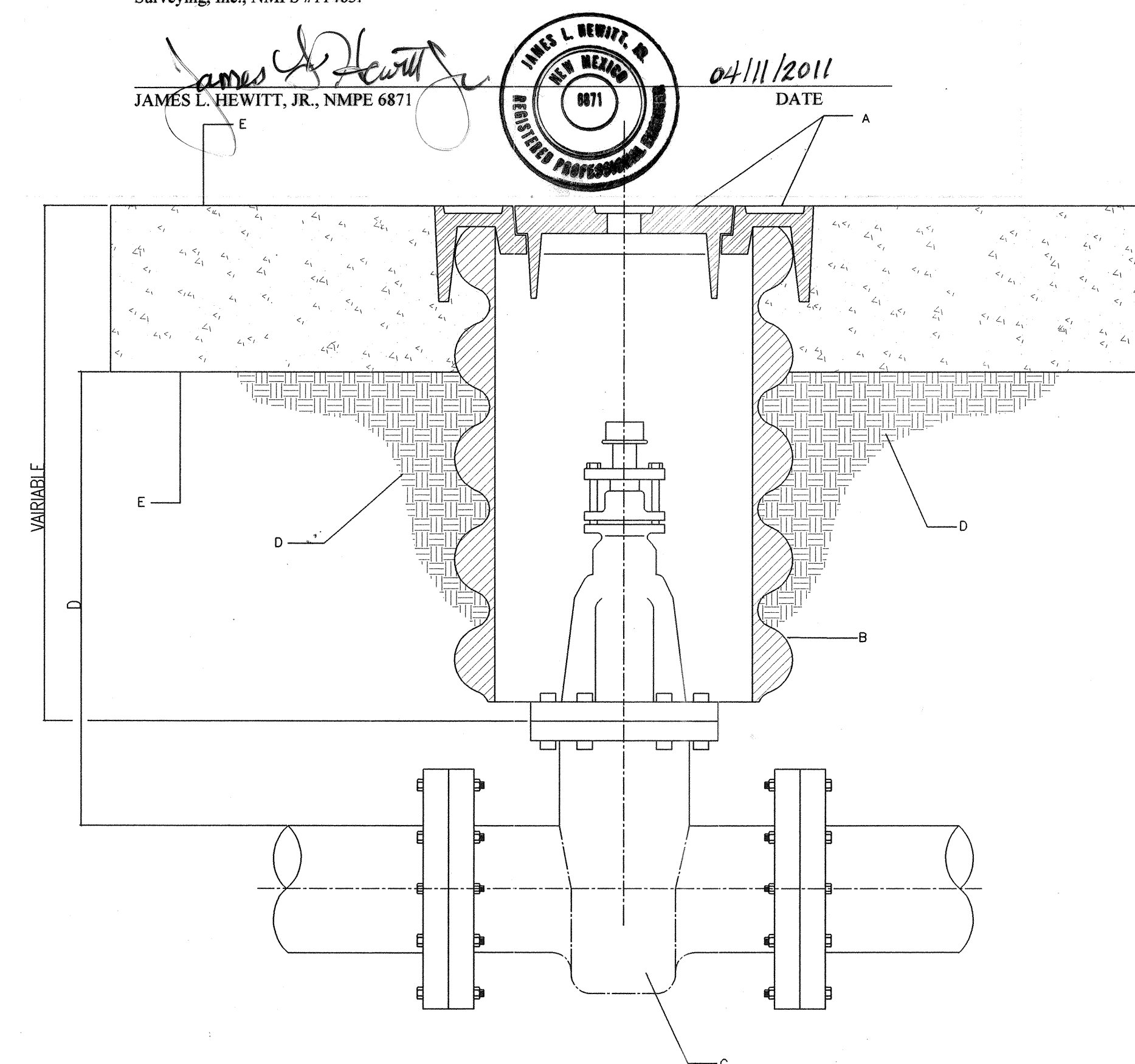
- NOTE:
1. ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
 2. THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE POINTS WITHIN 20 LF OF MJ SHALL BE RESTRAINED AT THE CONTRACTORS EXPENSE.
 3. THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE 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 PCC BLOCKING, UNLESS OTHERWISE NOTED.
 6. RESTRAINED LENGTH IS ON LARGE SIDE ON ALL REDUCERS.
 7. RESTRAIN ALL JOINTS BETWEEN UPPER AND LOWER VERTICAL BENDS.



TYPICAL UTILITY SERVICE LOCATION
NOT TO SCALE

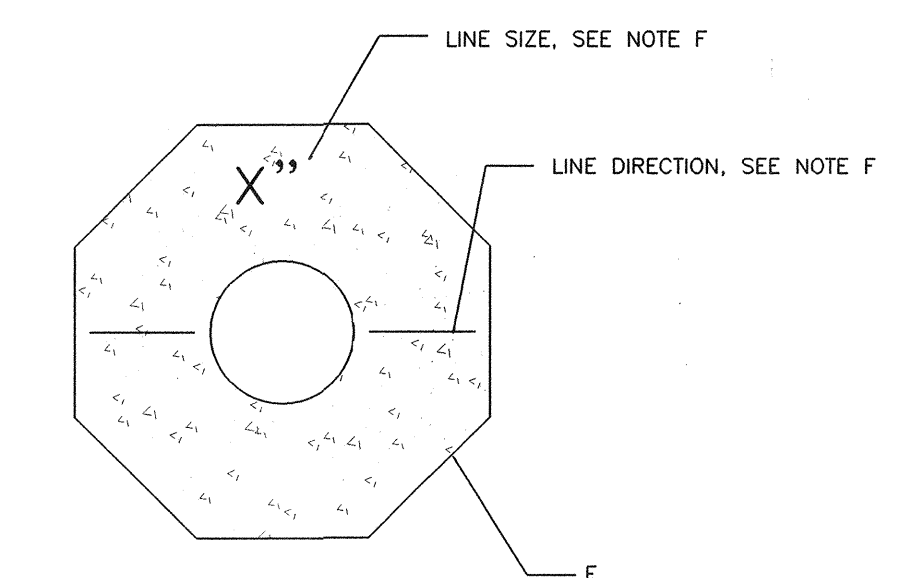


SERVICE RISER DETAIL
NOT TO SCALE
(SERVICE CONNECTION INSTALLATION
TO CONFORM TO C.O.A. STD. DWG. 2134)



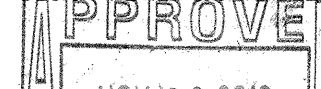
MODIFIED WATER VALVE BOX
NOT TO SCALE

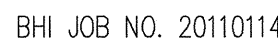
- GENERAL NOTES:
- A VALVE BOX RING AND COVER PER C.O.A. STD. DWG. 2328.
 - 10" $\times$ 12" DIAMETER CORRUGATED METAL PIPE (CMP) ~~TAR~~ COATED
 - C NEW OR EXISTING VALVE.
 - D COMPACTED BACKFILL, SOIL OR BASE COURSE MATERIAL (95% COMPACT). SEE SECTION 701.
 - E CONCRETE COLLAR PER C.O.A. STD. DWG. 2461.
 - F TOP OF CONCRETE COLLAR SHALL BE STAMPED WITH LINE SIZE AND DIRECTION. MINIMUM LETTER SIZE SHALL BE 3" IN HEIGHT.
 - G MIN. 6" OR MATCH EXISTING.

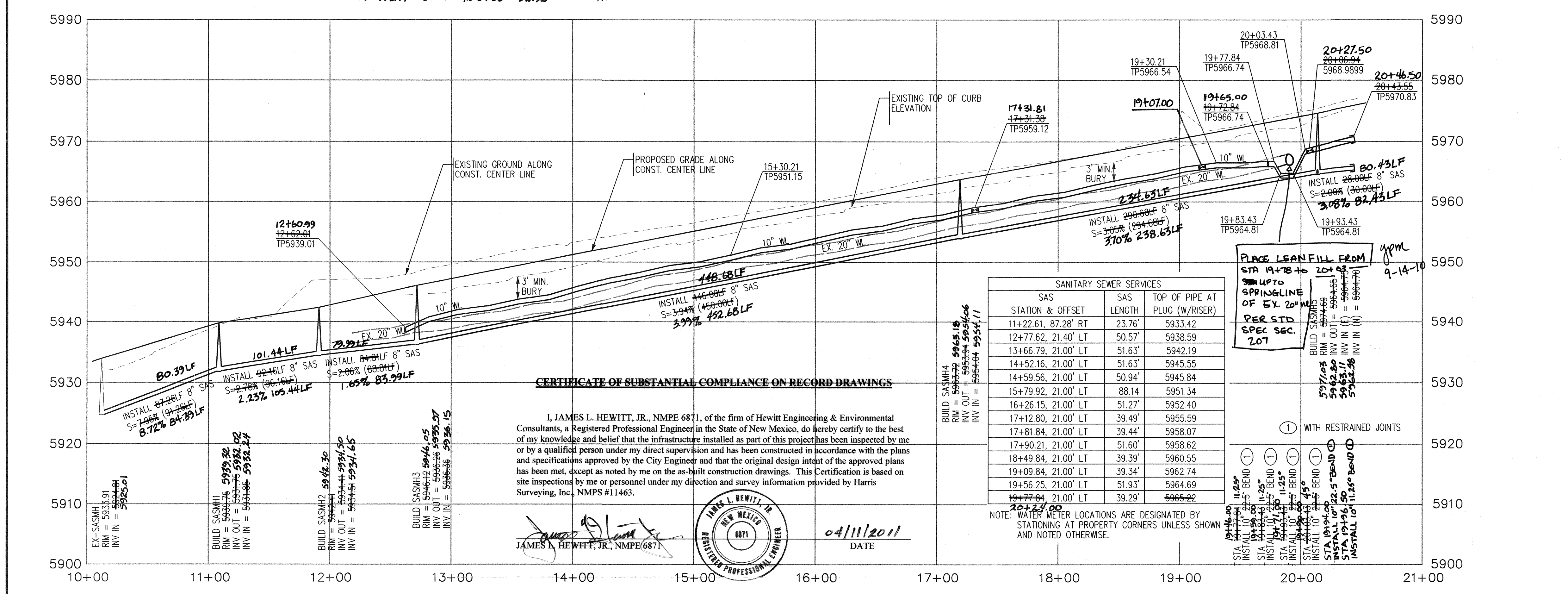
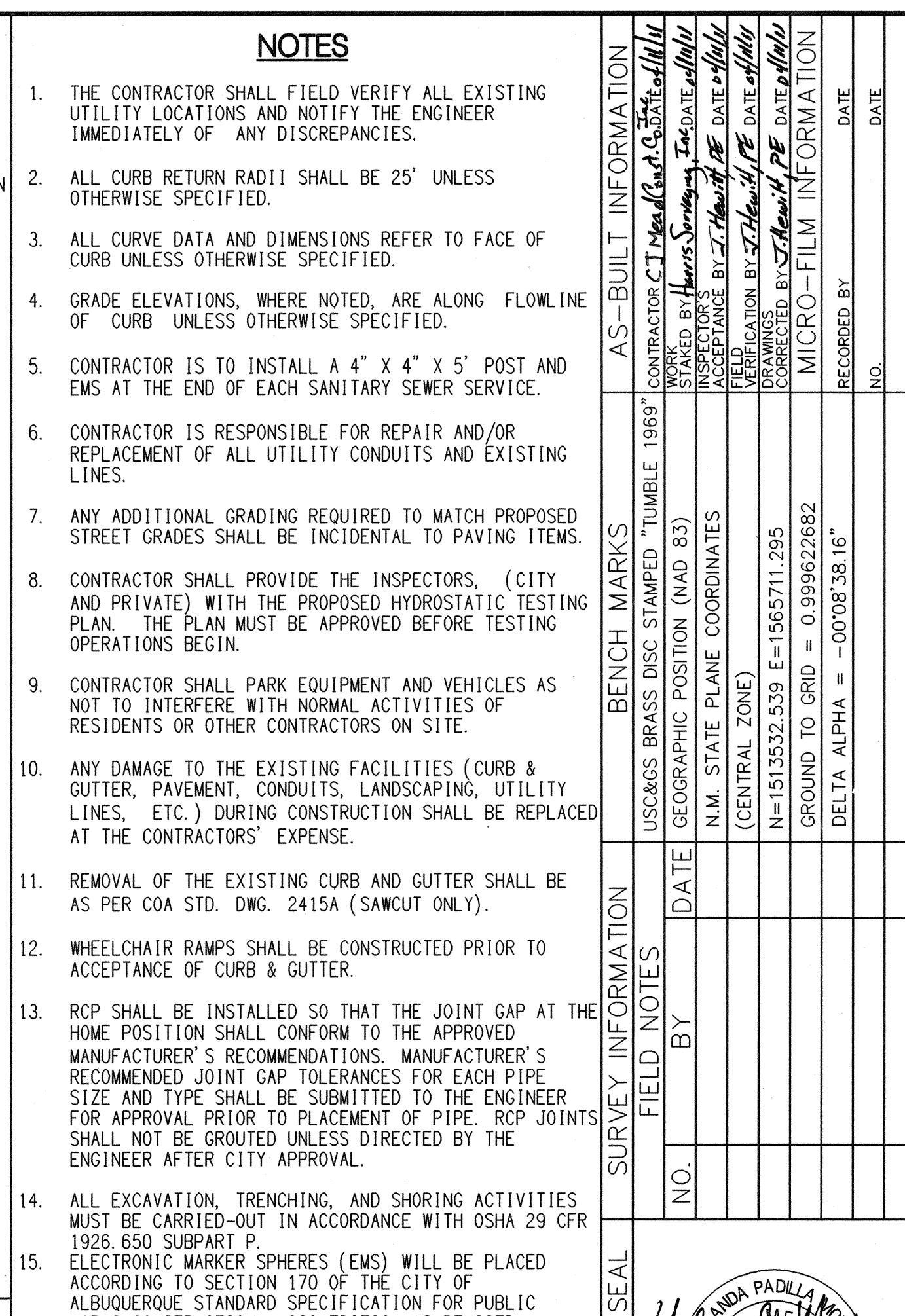
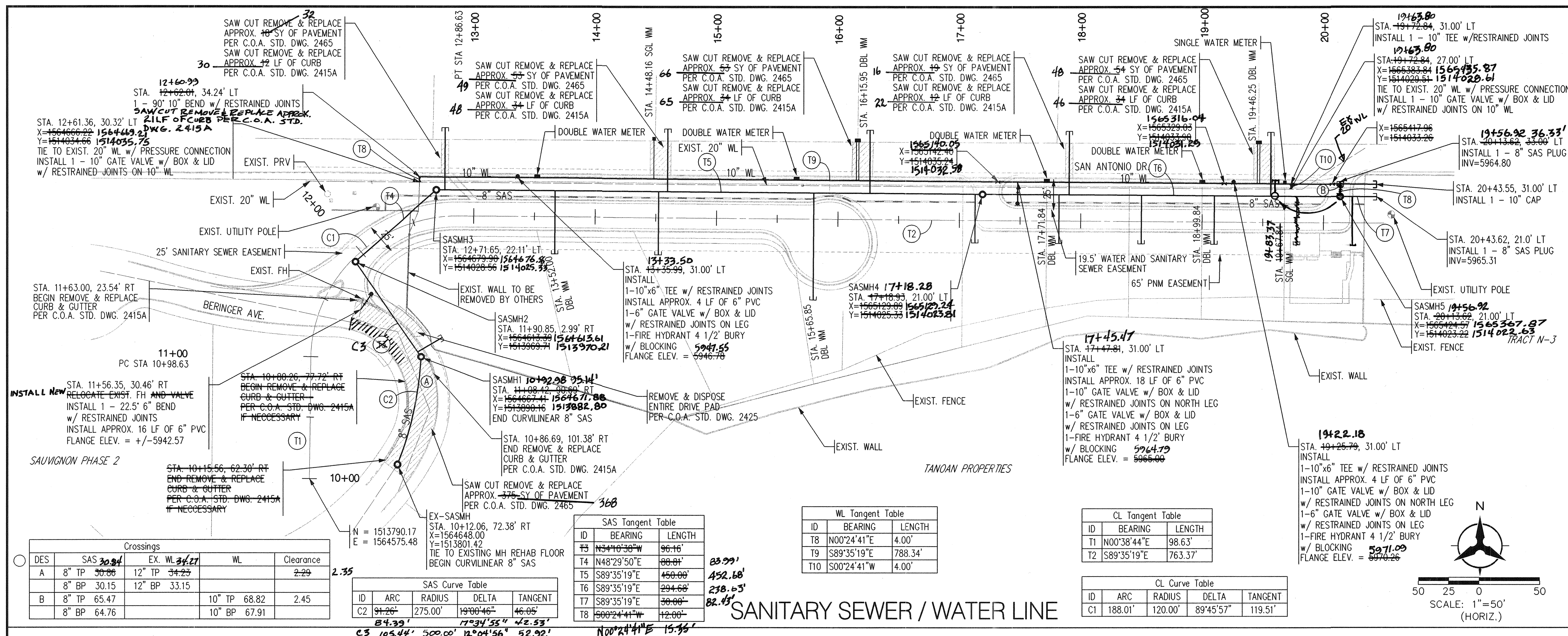


LABEL REQUIREMENTS

REVISIONS	CITY OF ALBUQUERQUE
	WATER VALVE BOX
	DWG. 2326 JANUARY 2003

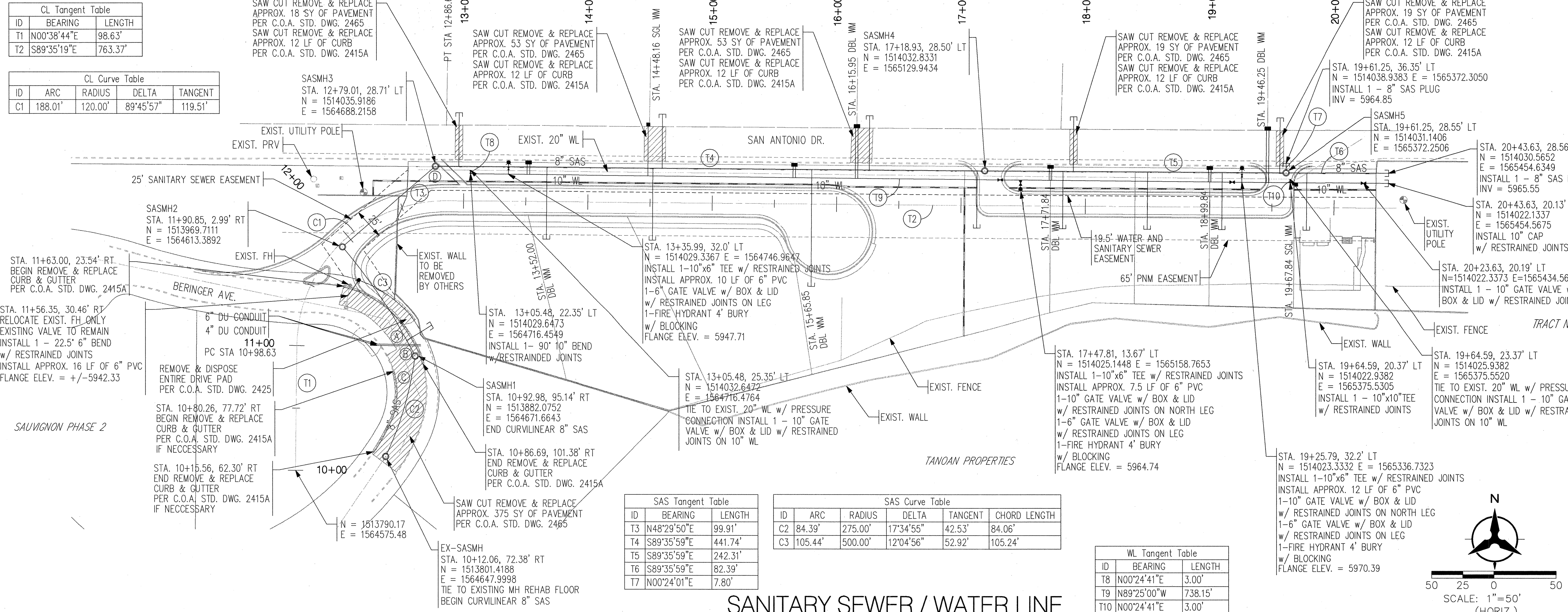
		LAST DESIGN
CITY PROJECT NO. 740184		ZONE MAP NO. E-22-



[illegible]

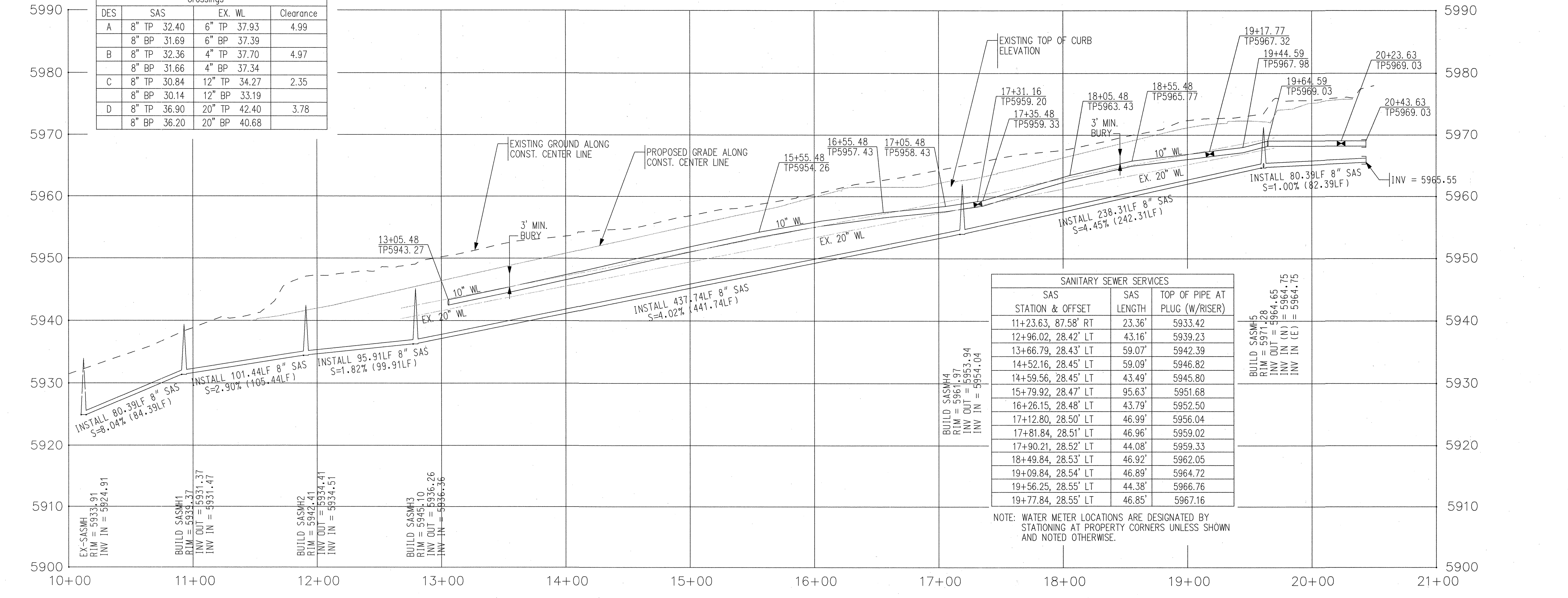
CL Tangent Table		
ID	BEARING	LENGTH
T1	N00°38'44"E	98.63'
T2	S89°35'19"E	763.37'

CL Curve Table				
ID	ARC	RADIUS	DELTA	TANGENT
C1	188.01'	120.00'	89°45'57"	119.51'



- ### NOTES
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 - ALL CURB RETURN RADIUS SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
 - ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 - GRADE ELEVATIONS, WHERE NOTED, ARE ALONG FLOWLINE OF CURB UNLESS OTHERWISE SPECIFIED.
 - CONTRACTOR IS TO INSTALL A 4" X 4" X 5' POST AND EMB AT THE END OF EACH SANITARY SEWER SERVICE.
 - CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
 - ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
 - CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
 - CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
 - ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
 - REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415A (SAWCUT ONLY).
 - WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
 - RCP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. MANUFACTURER'S RECOMMENDED JOINT GAP TOLERANCES FOR EACH PIPE SIZE AND TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF PIPE. RCP JOINTS SHALL NOT BE GROUDED UNLESS DIRECTED BY THE ENGINEER AFTER CITY APPROVAL.
 - ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P. ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #7.

Crossings				
DES	SAS	EX. WL	Clearance	
A	8" TP 32.40	6" TP 37.93	4.99	
B	8" BP 31.69	6" BP 37.39	4.97	
C	8" TP 32.36	4" TP 37.70	4.97	
D	8" BP 31.66	4" BP 37.34	4.97	
E	8" TP 30.84	12" TP 34.27	2.35	
F	8" BP 30.14	12" BP 33.19	2.35	
G	8" TP 36.90	20" TP 42.40	3.78	
H	8" BP 36.20	20" BP 40.68	3.78	



GENERAL NOTE:
ALL SANITARY SEWER MANHOLES SHALL BE 4' DIAMETER TYPE "E" AS PER C.O.A. STANDARD DRAWING 2102 UNLESS OTHERWISE NOTED.

8" SAS LINE TO BE PVC (C-900)

VALVES	PER STD. DWG. 2326 & 2328
MANHOLES	PER STD. DWG. 2101 & 2102
WATER SERVICE	PER STD. DWG. 2361, 2362 & 2368
SAS SERVICE	PER STD. DWG. 2125

Bohannon & Huston
 Courtyard I 7500 Jefferson St NE Albuquerque, NM 87109-4335
 ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
 DEPARTMENT OF
 MUNICIPAL DEVELOPMENT

SAUVIGNON PHASE III / TUSCANY VILLAGE UTILITIES

UTILITY PLAN & PROFILE
 STA. 10+00 TO 21+00

DESIGN REVIEW COMMITTEE
 APPROVED
 JAN 27 2011
 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
 APPROVED
 JAN 27 2011
 CITY ENGINEER

LAST DESIGN UPDATE