

GONSTRUGTION

PLANS

// RECORD DRAWING

I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New

Mexico, do hereby certify that this "asbuilt" information was obtained by me or

under my supervision and represents the

"as-built" conditions of this project,

and is true and correct to the best of my knowledge and belief. All vertical and

horizontal dimensions should be field verified prime use on future projects.

- 10·25-93

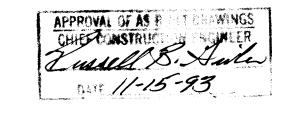
ALBUQUERQUE, JANUARY,

> RECORD DRAWING

DRAWINGS INDEX

- COVER SHEET, VICINITY MAP, GENERAL NOTES, LEGEND, INDEX OF DRAWINGS
- SITE PLAN / WATER VALVE SHUTOFF PLAN
- WATERLINE EXTENSION PLAN AND PROFILE STA. 10+00 TO STA. 22+00
- WATERLINE EXTENSION PLAN AND PROFILE STA. 22+00 TO STA. 31+12
- TRAFFIC CONTROL DETAILS
- DETAILS

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- SPECIFICATION FOR TRAFFIC CONTROL.
- LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

SHEETS CITY ENGINEER USER DEPARTMENT USER DEPARTMENT APPROVAL OF REVISIONS



CONSTRUCTION

PROJECT NO.

3391.95

JMA JOB NO.920821 12-10-92

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 -PUBLIC WORKS CONSTRUCTION - 1986, UPDATE NO.4. 2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE 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, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.

PROJECT LOCATION

C - 20

- 4. SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- 8. BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.

VICINITY MAP

GENERAL NOTES:

FACILITIES.

SCALE: 1" = 800' (APPROX.)

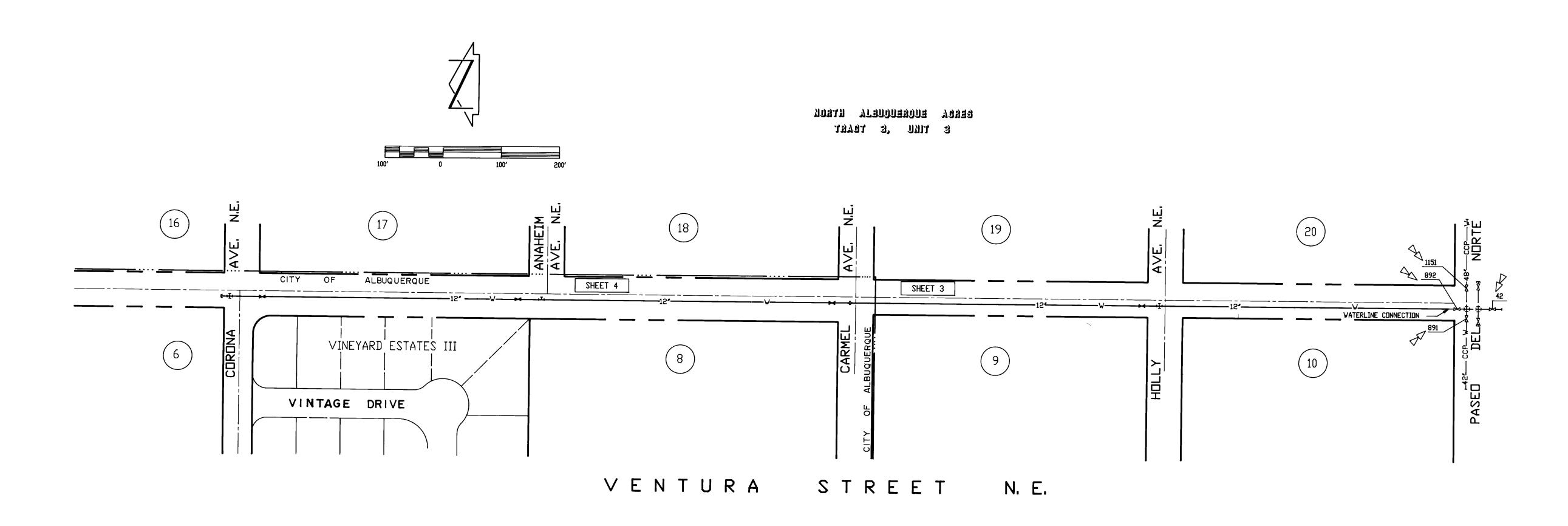
- 9. TACK COAT REQUIREMENTS SHALL BE DETERMINED DURING CONSTRUCTION BY THE PROJECT ENGINEER.
- 10. SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- 11. IF CURB IS DEPRESSED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- 12. ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- 13. CONTRACTOR SHALL COORDINATE WITH THE WATER SYSTEM DIVISION FOR THE EXECUTION OF THE VALVE SHUT OFF PLAN, NOT LESS THAN THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT THE EXISTING PUBLIC WATER UTILITIES. ONLY WATER SYSTEM DIVISION PERSONNEL SHALL OPERATE EXISTING VALVES. REFER TO SECTION 18 OF THE SPECIFICATION.
- 14. 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 ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION 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 SPECIFICATIONS.
- THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO-ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. CONTRACTOR MUST REFER TO SECTION 19 OF THE STANDARD
- 16. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO
- 17. CAUTION: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH

APPROVED FOR

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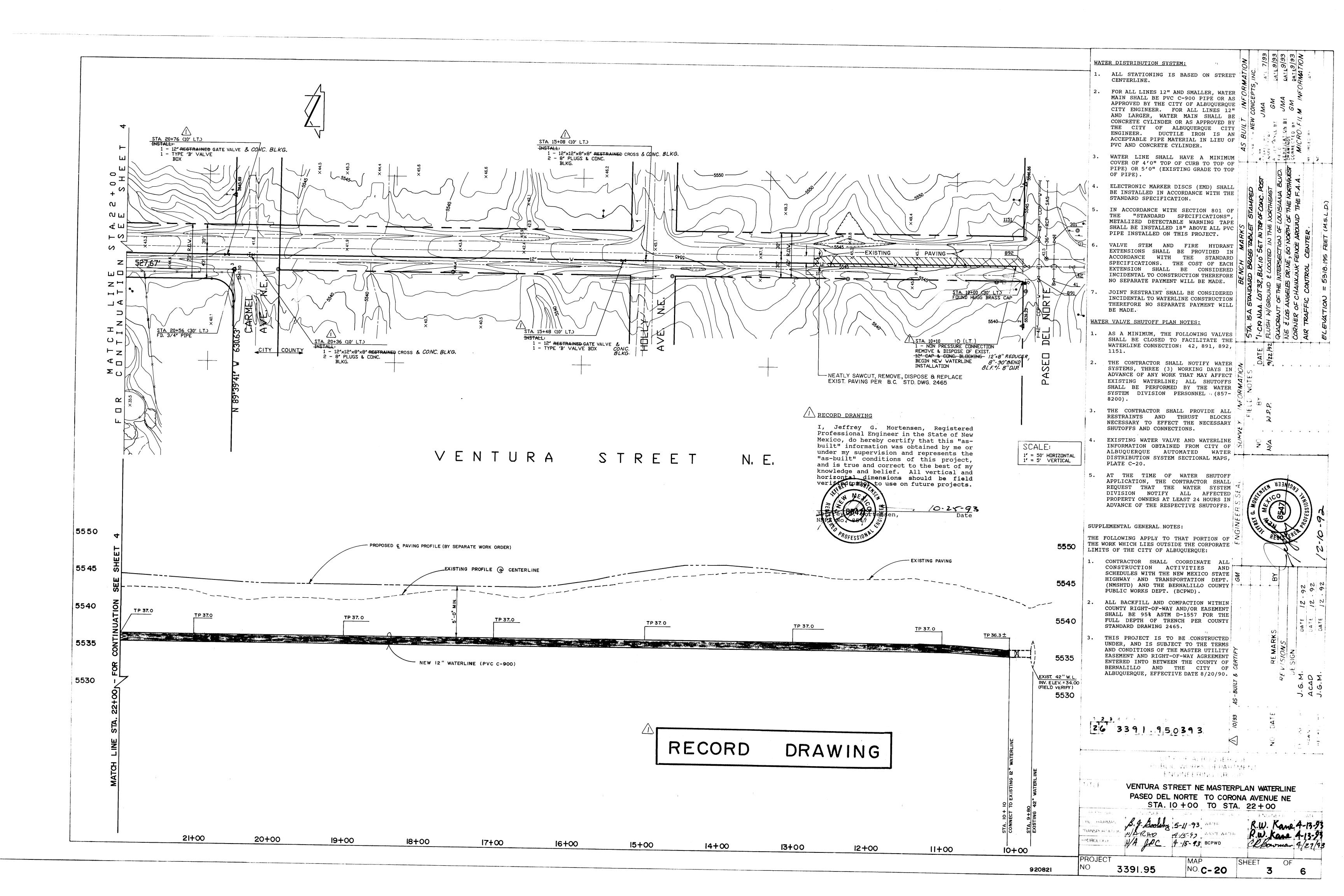
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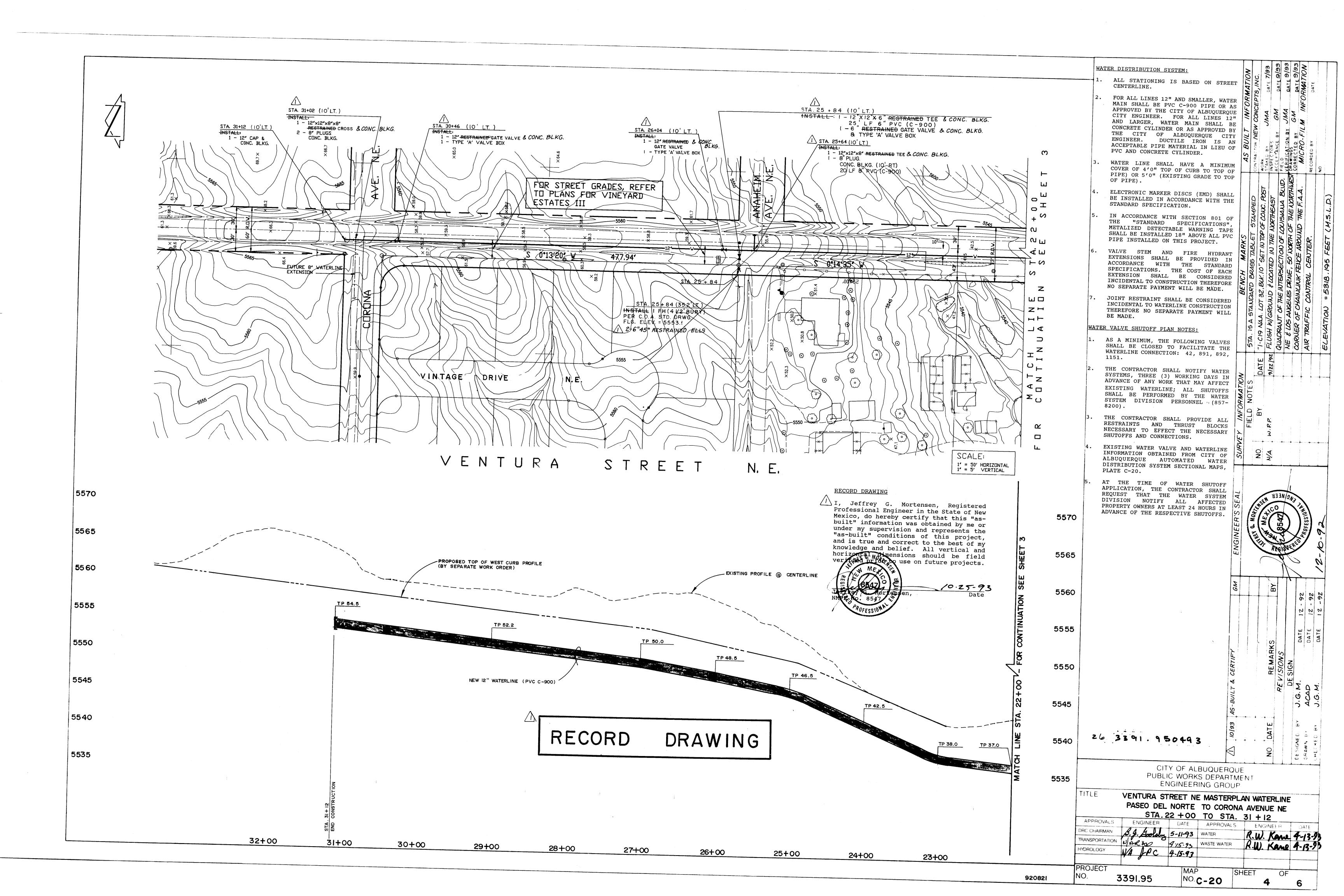


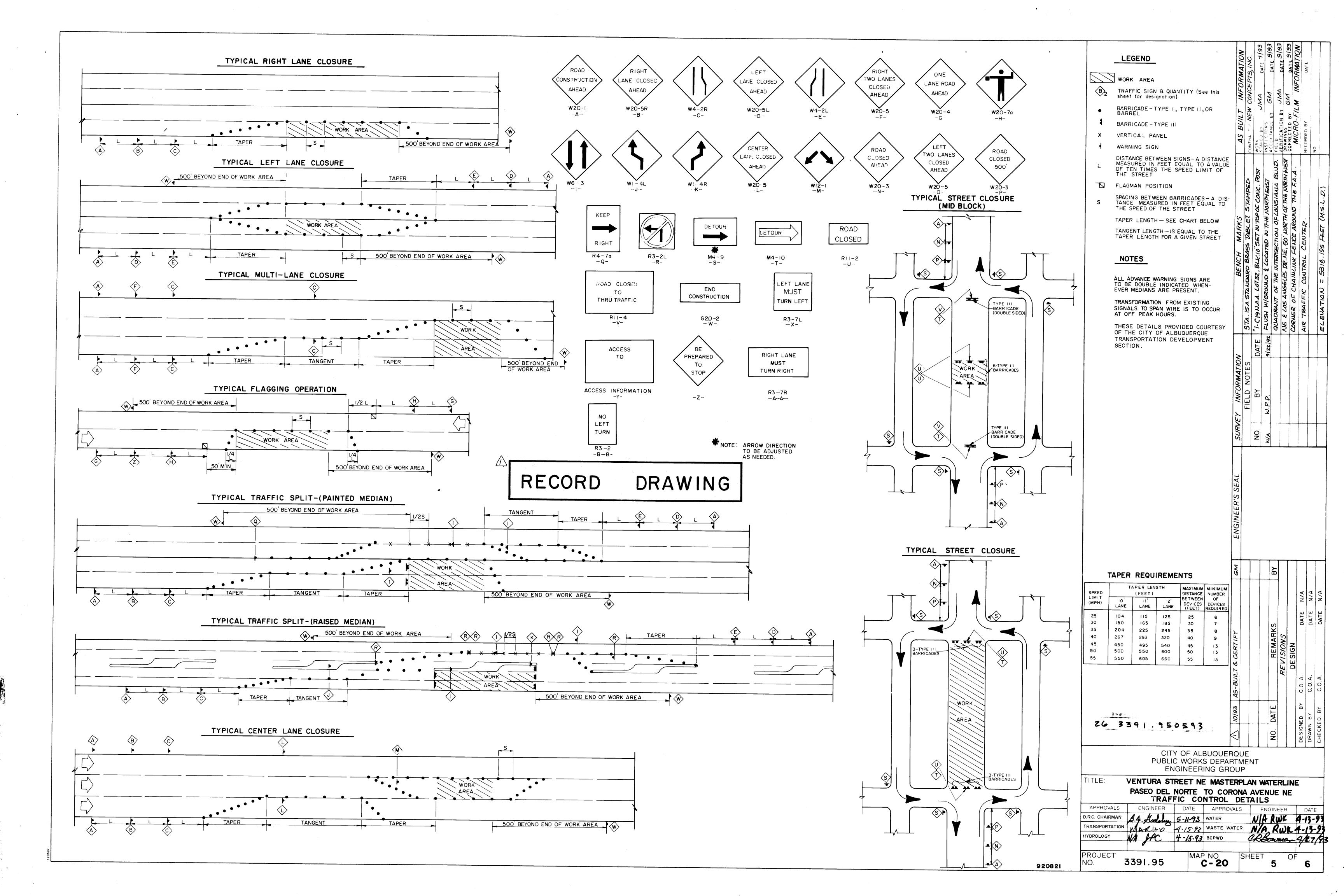
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Required Length (in feet) of Restraint (Lr) for Bends in PVC Pipe Test Pressure = 150 p.s.i. Factor of Safety = 1.5 Soil Type = SM Trench Type = 4					7 = 1.5 = 4	Required Length (in feet) of Restraint (La and Lb) for Reducers in PVC Pipe Test Pressure = 150 p.s.i. Factor of Safety = 1.5 Soil Type = SM Trench Type = 4				Required Length (in feet) of Restraint (Lbr) for Crosses and Tees in PVC Pipe Test Pressure = 150 p.s.i. Soil Type = SM Factor of Safety = 1.5 Trench Type = 4 Lrn = 2 feet			Required Length (in feet) of Restraint (Lr) for Dead ends and Valves in PVC Pipe Test Pressure = 150 p.s.i. Factor of Safety = 1.5 Soil Type = SM Trench Type = 4	
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90	4	9	15	20	24		6" X 4"	4	31	21	6" X 6" X 4"	4	14	
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							10" X 8"	5	22	18		4	44	
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							12" X 8"	3	81	54	10" X 10" X 8"	3	58	
							12" X 8"	4	62	41	10" X 10" X 8"	4	41	
							12" X 10"	5	50	33	10" X 10" X 8"	5	31	
							12" X 10"	3	36	30	10" X 10" X 10"	3	75	
							12" A 10"	4	27	23	10" X 10" X 10"	4	55	
							12" X 10"	5	22	18	10" X 10" X 10"	- 5	43	

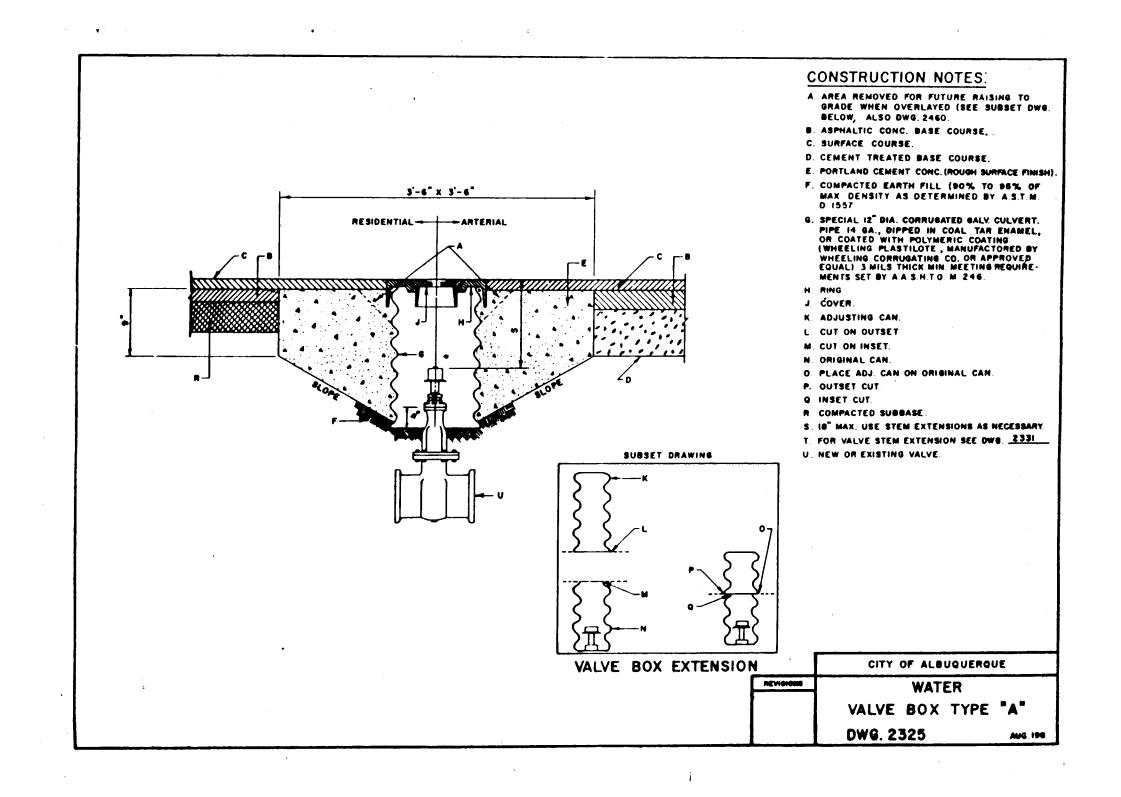
1. ALL STATIONING IS BASED ON STREET CENTERLARE. 2. FOR ALL LINES 12" AND SMALLER, WATER APPROVED BY THE CITY OF ALSOGRAPHER AND ADDRESS OF THE CONTROL OF THE CONTROL OF THE CITY OF ALGORITHM LINES 12" AND ADDRESS OF THE CITY OF ALGORITHM LINES 12" OF THE CITY OF ALGORITHM LINE OF THE CITY OF ALGORITHM LINE OF THE CITY OF	TER VALVE SHUTOFF PLAN E APPROVALS ENGINEER DATE 93 WATER R.W. Kane 4-13-9 93 WASTE WATER R.W. Kane 4-13-9	HU1	ALS TER	APPROV WATER WASTE WAT BCPWD	SITE PLAN / WATER VALS ENGINEER DATE MAN B. J. Smoling 5-11-93 FATION Result 4-15-93 Y WA JPC 4-15-93 CT MAI	DRC CI
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1. ALL STATIONING IS BASED ON STREET CENTRALINE. 2. FOR ALL LINES 12" AND SMALLER, MATER AND SMALL BE PVC C-900 PITE OR AS APPROVED BY THE CITY OF ALBOQUERQUE CITY ENGINEER FOR ALL LINES 12" MAIN SHALL BE PVC C-900 PITE OR AS APPROVED BY THE CITY OF ALBOQUERQUE CITY ENGINEER. DUCTILE ISON IS APPROVED BY THE CITY OF ALBOQUERQUE CITY ENGINEER. DUCTILE ISON IS APPROVED BY THE CITY OF ALBOQUERQUE CITY ENGINEER. DUCTILE ISON IS APPROVED AS A SPECIAL BY AND ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC AND CONCRETE CYLINDER. 3. WATER LINE SHALL HAVE A MINIMUM COVER OF A 10" EXPENDING AND SPECIFICATIONS", METALLED DETECTABLE WARNING THE STANDARD SPECIFICATIONS "AND THE STANDARD SPECIFICATIONS", METALLED DETECTABLE WARNING THE STANDARD SPECIFICATIONS TH	O. DATE O. DATE AWN BY ECKED BY		+		3391.950293	2
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1. ALL STATIONING IS BASED ON STREET CENTERLINE. 2. FOR ALL LINES 12" AND SMALLER, WATER MAIN SHALL BE EVC C-900 PIPE OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. FOR ALL LINES 12" AND LARGER, WATER MAIN SHALL BE CONCRETE CYLINDER OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC AND CONCRETE CYLINDER. 3. WATER LINE SHALL HAVE A MINIMUM COVER OF 4'0" TOP OF CURB TO TOP OF PIPE) OR 5'0" (EXISTING GRADE TO TOP OF PIPE) OR 5'0" (EXISTING GRADE TO TOP OF PIPE). 4. ELECTRONIC MARKER BISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION. 5. IN ACCORDANCE WITH SECTION 801 OF THE "STANDARD SPECIFICATIONS", METALLED LOR "BEOCH STANDARD SPECIFICATIONS", METALLED LOR "BOUND AND ADDITIONS", METALLED LOR "BEOCH STANDARD SPECIFICATIONS", METALLED LOR "BEOCH STANDARD SPECIFICATIONS", METALLED LOR "BOUND AND ADDITIONS", METALLED LOR "BOUND ADDITIONS", METALLED LOR "BOUND AND ADDITIONS", METALLED LOR	WATERLINE OM CITY OF SD WATER CONAL MAPS,		SURVE	CITY OF WATER AL MAPS,	XISTING WATER VALVE AND W. NFORMATION OBTAINED FROM LBUQUERQUE AUTOMATED ISTRIBUTION SYSTEM SECTION. LATE C-20.	
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1. ALL STATIONING IS BASED ON STREET CENTERLINE. 2. FOR ALL LINES 12" AND SMALLER, WATER MAIN SHALL BE CONCRETE CYLINDER OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. FOR ALL LINES 12" AND LARGER, WATER MAIN SHALL BE CONCRETE CYLINDER OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC AND CONCRETE CYLINDER. 3. WATER LINE SHALL HAVE A MINIMUM COVER OF 4'0" TOP OF PIPE) OR 5'0" (EXISTING GRADE TO TOP OF PIPE) OR 5'0" (EXISTING GRADE TO TOP OF PIPE). 4. ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. METALIZED DETECTABLE WARNING TAPE SHALL BE INSTALLED ON THIS PROJECT. 6. VALVE STEM AND FIRE HYDRANT EXTENSIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE COST OF EACH EXTENSIONS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE. 7. JOINT RESTRAINT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE. WATER VALVE SHUTOFF PLAN NOTES: WATER VALVE SHUTOFF PLAN NOTES: WATER VALVE SHUTOFF PLAN NOTES:	TIFY WATER C C C C C C C C C			91, 892, Y WATER DAYS IN Y AFFECT	TATERLINE CONNECTION: 42, 8 151. THE CONTRACTOR SHALL NOTING TYSTEMS, THREE (3) WORKING DVANCE OF ANY WORK THAT MA	2.
1. ALL STATIONING IS BASED ON STREET CENTERLINE. 2. FOR ALL LINES 12" AND SMALLER, WATER MAIN SHALL BE PVC C-900 PIPE OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. FOR ALL LINES 12" AND LARGER, WATER MAIN SHALL BE CONCRETE CYLINDER OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC AND CONCRETE CYLINDER. 3. WATER LINE SHALL HAVE A MINIMUM COVER OF 4'O" TOP OF CURB TO TOP OF PIPE) OR 5'O" (EXISTING GRADE T		121	7	MADE. NSIDERED FRUCTION ENT WILL	TO SEPARATE PAYMENT WILL BE CONTOURNED TO WATERLINE CONSTRUCTION OF THE PAYMENT O	WAT
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WATER DISTRIBUTION SYSTEM: $\left\langle \begin{array}{c c} \kappa & \kappa $	PATTES NO DATE OF DATE	ICEPTS, INC.	VFORMATION	N STREET ER, WATER PE OR AS	ALL STATIONING IS BASED OF CENTERLINE. FOR ALL LINES 12. AND SMALL MAIN SHALL BE PVC C-900 PJ	1.

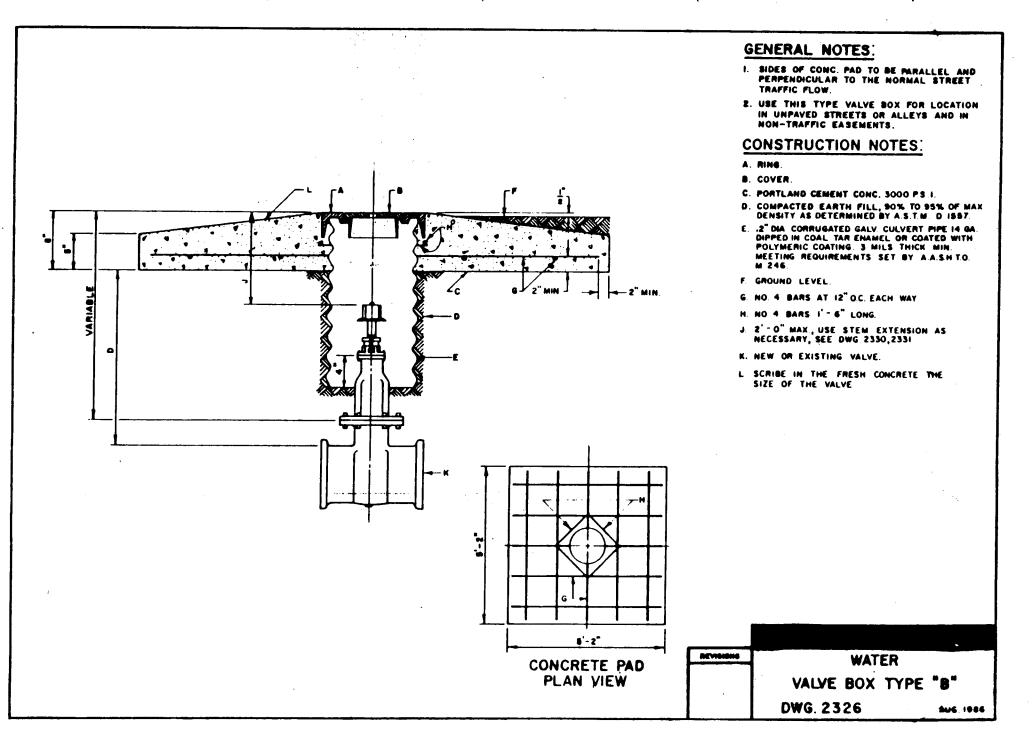
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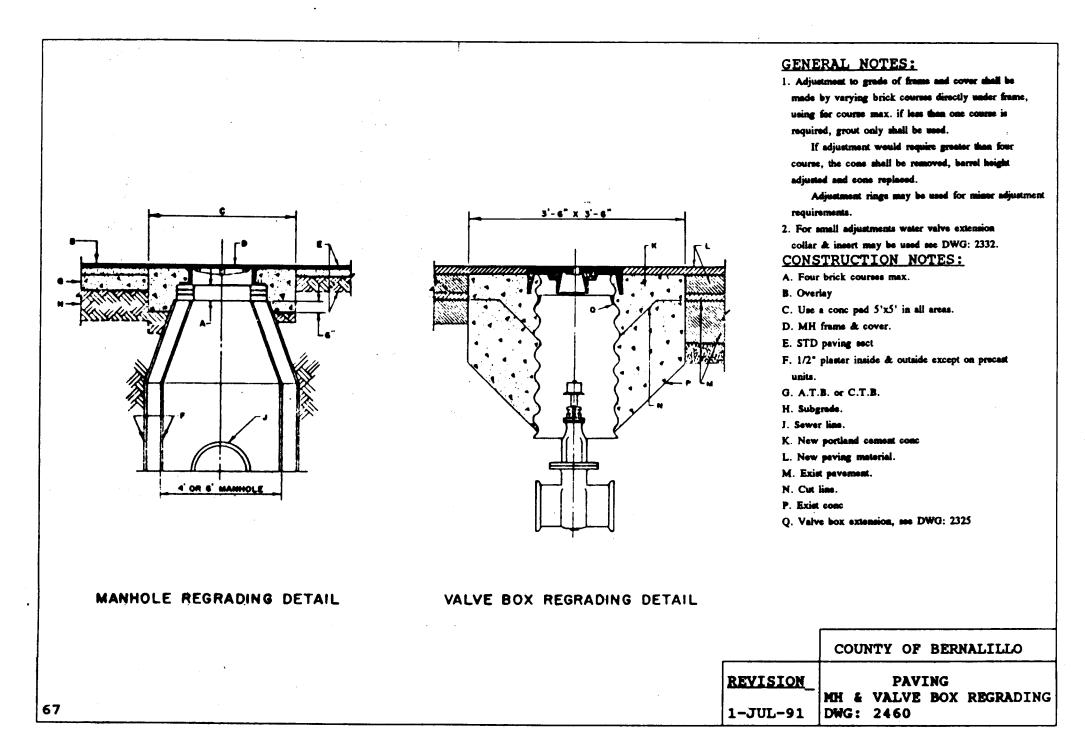


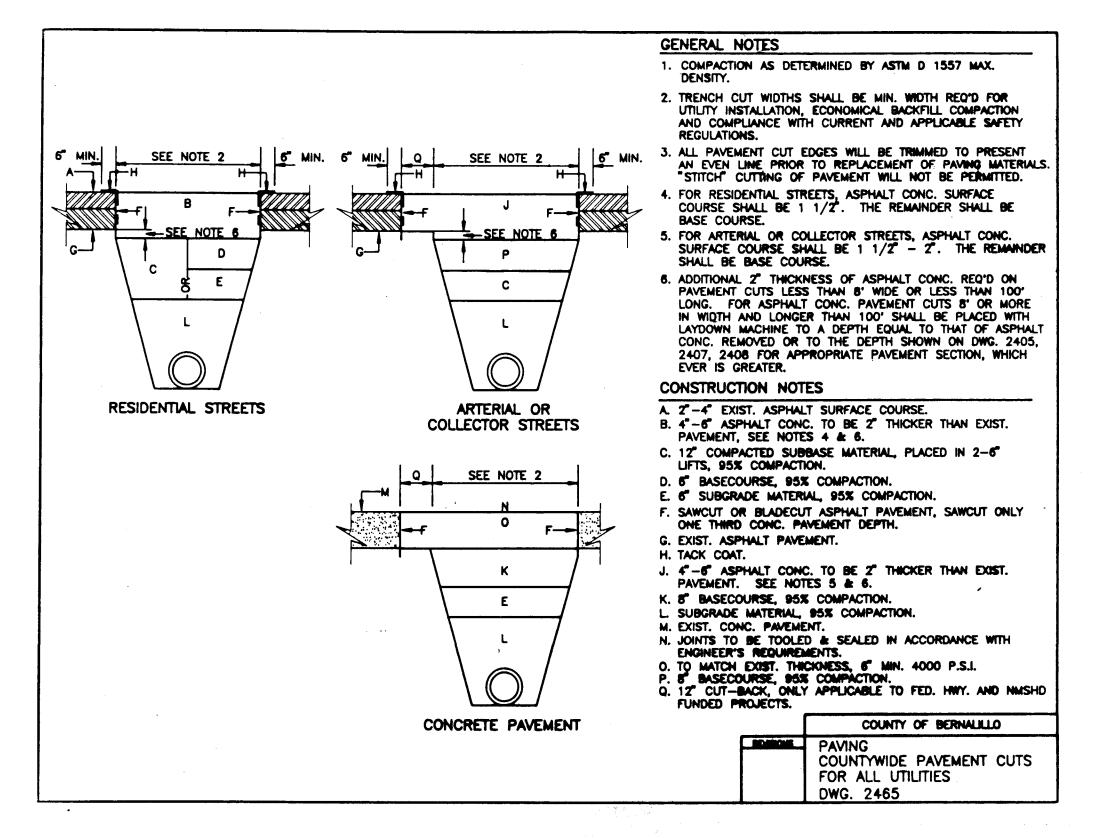












RECORD DRAWING

		AS BUILT INFORMATION	CONTRACTOR NEW CONCEPTS, INC.	WORK JMA DATE 7/93	E BY GM		COBBECTED BY GM SATE 9/93	VF0/	1	MO.	
		BENCH MARKS	STA. IS A STANDARD BRASS TABLET STAMPED	" I-CIG W.A.A. LOT 3;	FLUSH W/GROUND & LOCATED IN THE NORTHEAST	QUADRANT OF THE INTERSECTION OF LOUISIANA BLVD.	NE \$ LOS ANGELES DR.NE, 50' NORTH OF THE NORTHWEST	CORNER OF CHAINLINK FENCE AROUND THE F.A.A.	AIR TRAFFIC CONTROL CENTER		ELEVATION = 5318.195 FEET (M.S.L.D.)
		SURVEY INFORMATION	FIELD NOTES	NO. BY DATE	N/A						
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		BUILT & CERTIFY GM				REMARKS	REVISIONS	DESIGN	.G.M. DATE 04-93	M.A. DATE 04-93	G.M. DATE 04-93
	10 11 12 13 14 16 15 0 6 9 3 CITY OF ALBUQUE	AS-BUILT & CERTIFY		17		IKS	REVISIONS	DESIGN	BY J.G.M. DATE 04	40	. 40
PU	150693	TER OF THE STATE O	MEN P			NO. DATE REMARKS		-	DESIGNED BY J. G.M. DATE 04	J.M.A. DATE 04	BY J.G.M. DATE 04.
PU	CITY OF ALBUQUE BLIC WORKS DEPENGINEERING GOTTAILS	TER OF THE STATE O	MEN P LA	N V		A REMARKS	RL	-	DESIGNED BY J.G.M. DATE 04	J.M.A. DATE 04	CHECKED BY J.G.M. DATE 04-

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