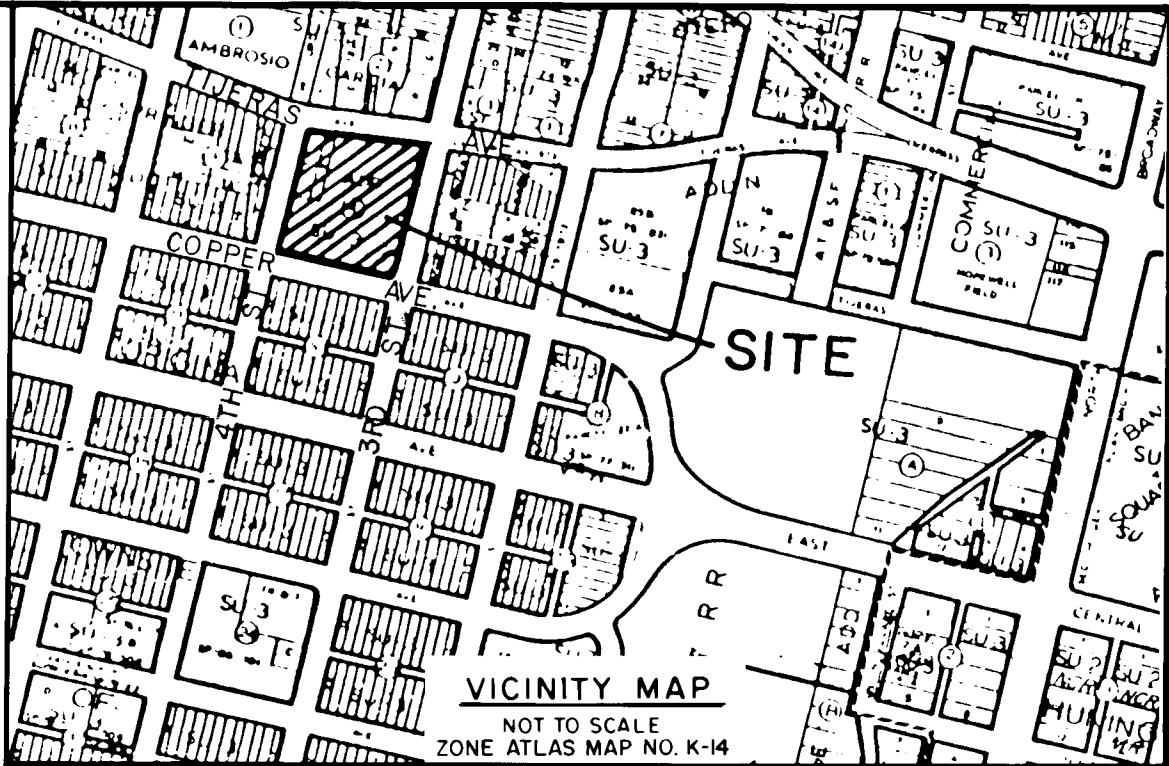


CONSTRUCTION PLANS
FOR
BETA WEST ALBUQUERQUE PLAZA

ALBUQUERQUE, NEW MEXICO

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PLAT
3	FINAL GRADING & DRAINAGE PLAN
4	UTILITY & STORM DRAIN CONNECTIONS
5	THIRD STREET PLAN & PROFILE
6	COPPER AVE. PLAN & PROFILE
7	TIJERAS AVE. PLAN & PROFILE
8	DETAIL SHEET



GENERAL NOTES

NOTICE TO CONTRACTORS

- 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 CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1274, 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 SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- THREE WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO TRAFFIC ENGINEERING DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE TRAFFIC ENGINEERING DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION.

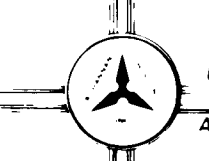
THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ 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 CITY 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 CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
[Signature]
DATE 7/3/90

26 35660190

REV	SHEETS	CITY ENGINEER	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE
APPROVAL OF REVISIONS									

<i>[Signature]</i> 3-28-91	 BOHANNAN - HUSTON INC. ALBUQUERQUE SANTA FE EL PASO ENGINEERS PLANNERS PHOTOGRAMMETRISTS	APPROVED FOR CONSTRUCTION C.E.
	PROJECT NUMBER 3566	SHEET 1 OF 8

Drainage Calculations

$$T_c = 0.0078 \frac{L^{0.77}}{S^{0.385}} \geq 10 \text{ min.}$$

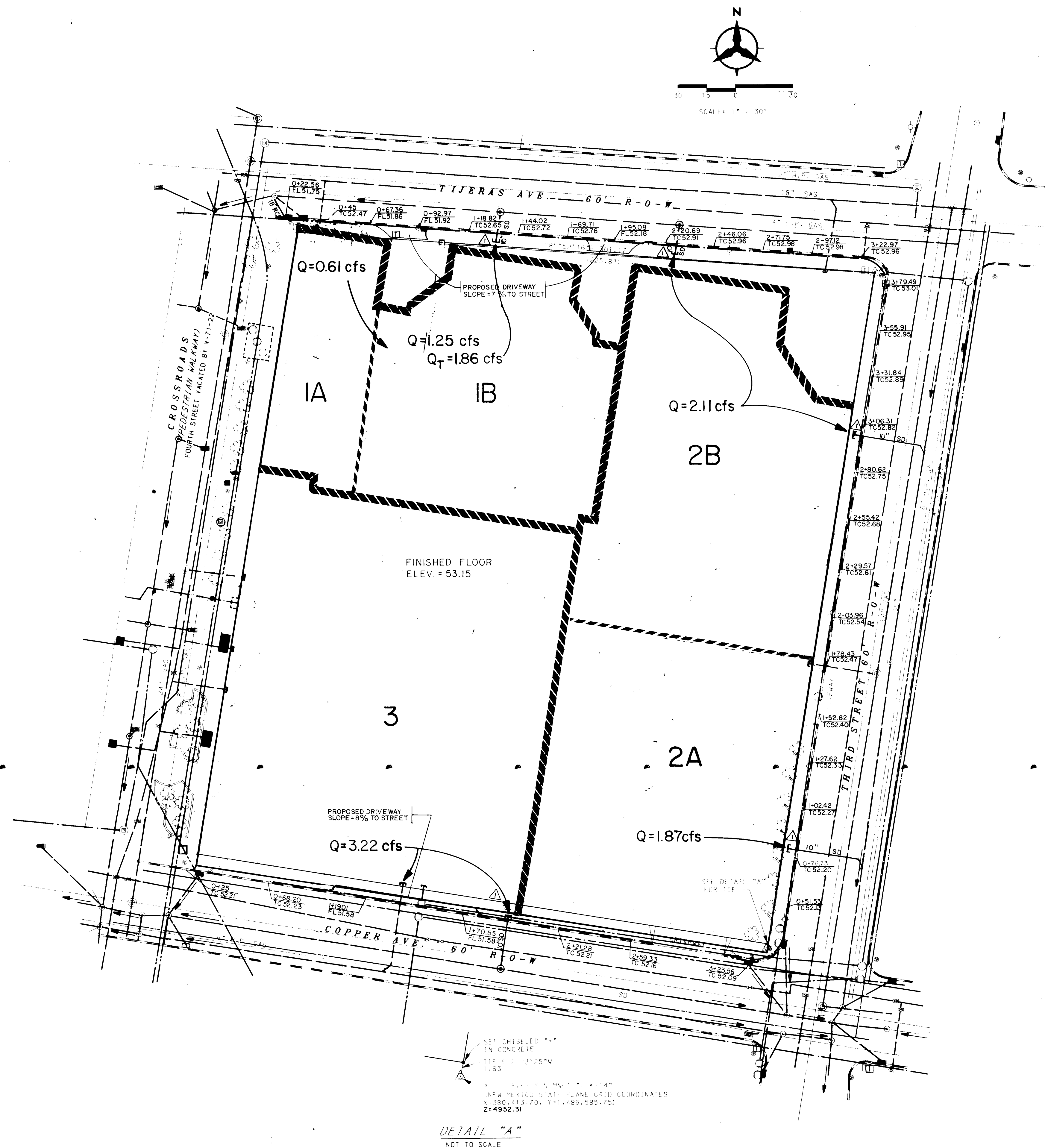
Use $T_c = 10$ min.

$$I = 6.84 P_{TC}^{-0.51} = 6.84(2.2)(10)^{-0.51} = 4.65 \text{ in.}$$

C = 0.90 for roof
= 0.40 for vacant lot

Q = CIA

<u>BASIN</u>	<u>AREA (acres)</u>	<u>"C" VALUE</u>	<u>Q (cfs)</u>
1A	0.145	0.90	0.607
1B	0.299	0.90	1.25
2A	0.447	0.90	1.87
2B	0.505	0.90	2.11
3	0.77	0.90	3.22



LEGEND

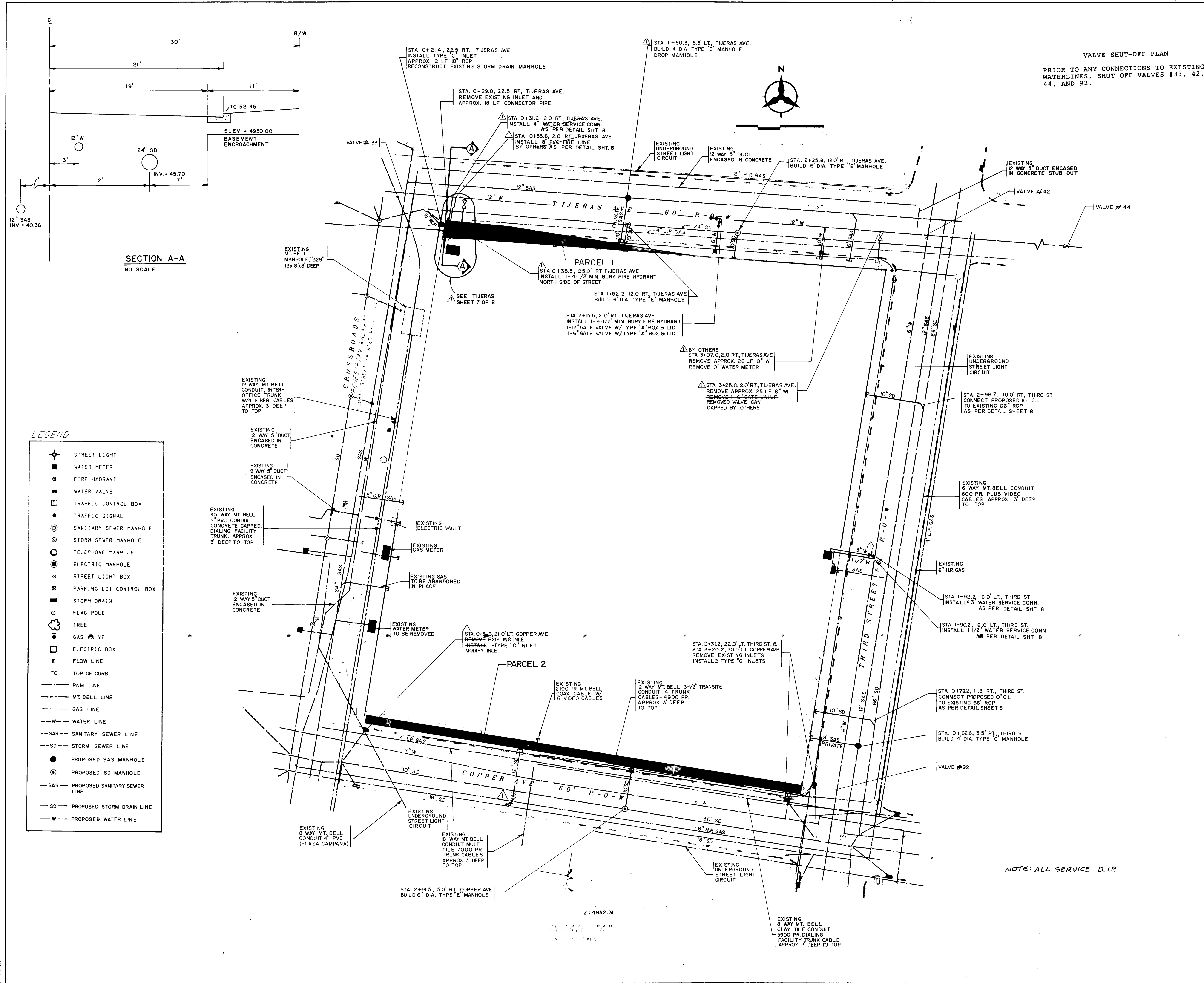
- | | |
|---|-------------------------|
|  | STREET LIGHT |
|  | WATER METER |
|  | FIRE HYDRANT |
|  | WATER VALVE |
|  | TRAFFIC CONTROL BOX |
|  | TRAFFIC SIGNAL |
|  | SANITARY SEWER MANHOLE |
|  | STORM SEWER MANHOLE |
|  | TELEPHONE MANHOLE |
|  | ELECTRIC MANHOLE |
|  | STREET LIGHT BOX |
|  | PARKING LOT CONTROL BOX |
|  | STORM DRAIN |
|  | FLAG POLE |
|  | TREE |
|  | GAS VALVE |
|  | ELECTRIC BOX |
|  | FLOW LINE |
|  | TOP OF CULVERT |
|  | PNN LINE |
|  | MT. BELL LINE |
|  | GAS LINE |
|  | WATER LINE |
|  | SANITARY SEWER LINE |
|  | STORM SEWER LINE |
|  | DRAINAGE BASIN BOUNDARY |
|  | SUBBASIN BOUNDARY |
| $Q = 0.71 Cfs$ | FLOW RATE |
| $Q_p = 1.86 Cfs$ | TOTAL FLOW RATE |
|  | DIRECTION OF FLOW |

DETAIL "A"
NOT TO SCALE

C of A PWD Maps & Records

1	2	3	4	5	6	7	8	9	10	11
2	6		3	5	6	6	0	3	9	0

		CITY OF ALBUQUERQUE PUBLIC WORKS ENGINEERING			
TITLE: BETAWEST ALBUQUERQUE PLAZA FINAL GRADING & DRAINAGE PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	9-1-89	Liquid Waste	N/A RWK	8-22-89
A C E - Design	"	"	Traffic	N/A K. New	8-25-89
A C E - Hydrology	CAM	9-1-89	Water	N/A RWK	8-22-89
DRAWING NO. 3566		MAP NO. K-14		SHEET 3 OF 8	



FHWA Region No.		NEW MEXICO		SHEET NO.		TOTAL SHEETS	
6							

AS-BUILT INFORMATION			
CONTRACTOR	DATE	BY	NO.
ALM.C. CONST.			

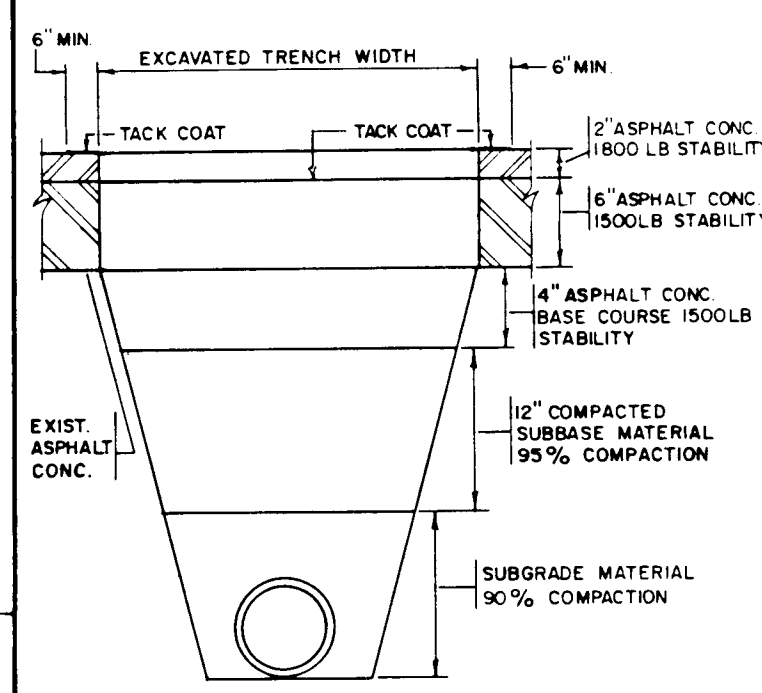
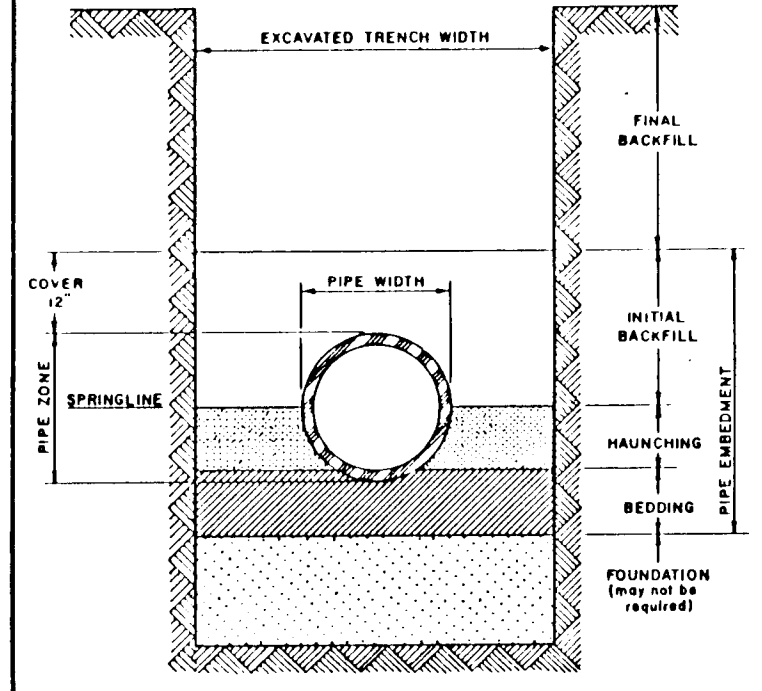
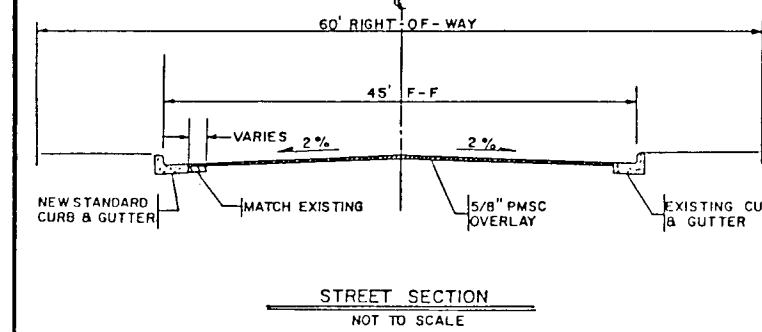
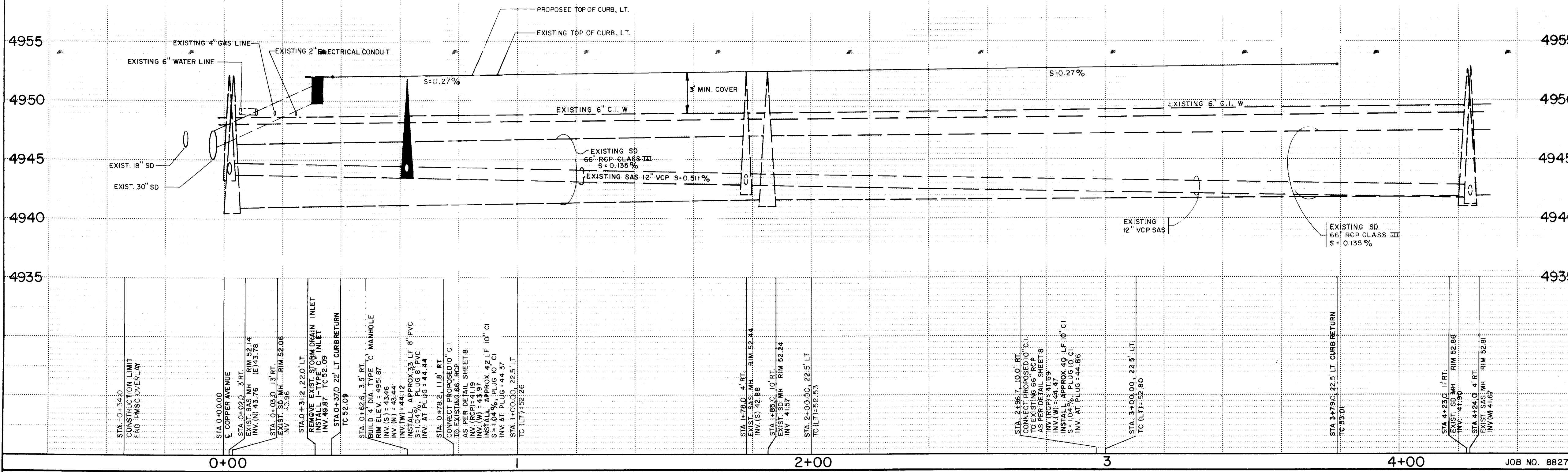
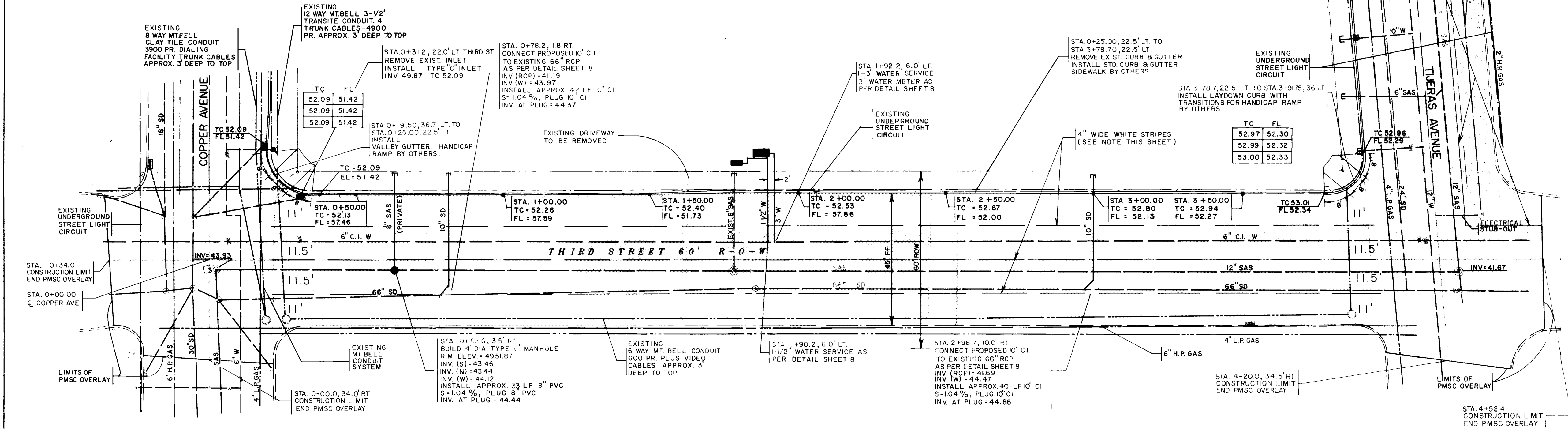
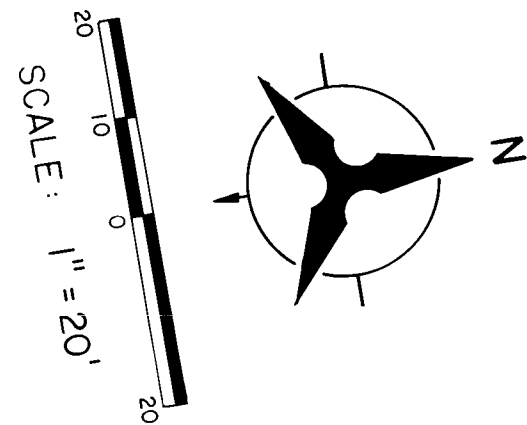
BENCH MARKS			
THE BENCHMARK IS LOCATED IN THE NW QUADRANT OF THE INTERSECTION OF 3rd ST. AND COPPER AVE. N.W. THE BENCHMARK IS 26.9 NORTH AND 30.2 WEST OF THE INTERSECTION. IT IS A STANDARD COA DISK SET IN A DRILLED HOLE IN THE SIDEWALK MARKED "2-K14 ACS". ELEVATION 4952.243	DATE	BY	NO.

SURVEY INFORMATION			
FIELD NOTES			
NO.	BY	DATE	NO.

ENGINEER'S SEAL			
REVISIONS			
NO.	DATE	BY	REMARKS

DESIGN			
DESIGNED BY	DRAWN BY	CHECKED BY	DATE
JLP, DP	JLP, DP	KLD	10/88

CITY OF ALBUQUERQUE PUBLIC WORKS ENGINEERING			
TITLE: BETAWEST ALBUQUERQUE PLAZA UTILITY & STORM SEWER CONNECTIONS			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	DATE	8-22-88	Liquid Waste
A.C.E. - Design	DATE	2-22-89	Traffic
A.C.E. - Hydrology	DATE	8-22-89	Water
DRAWING NO. 3566		MAP NO. K-14	
SHEET 4		OF 8	



NOTES

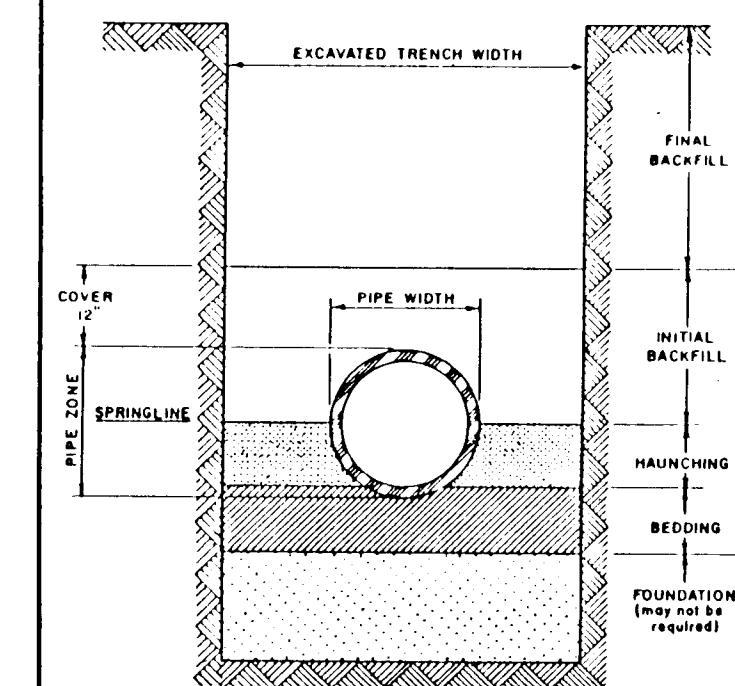
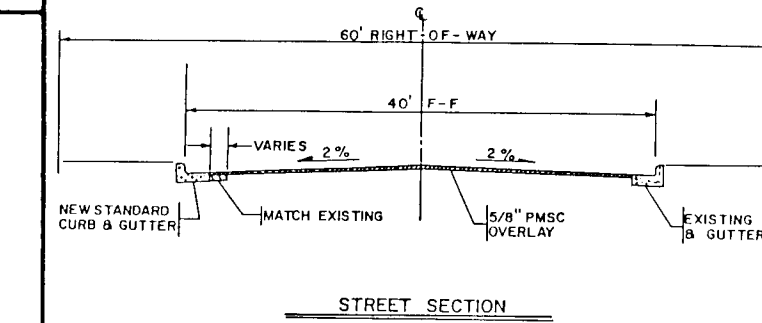
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2. STRIPING TO BE PAID PER STRIPE, 4'x10' LONG, DOUBLE COATED.

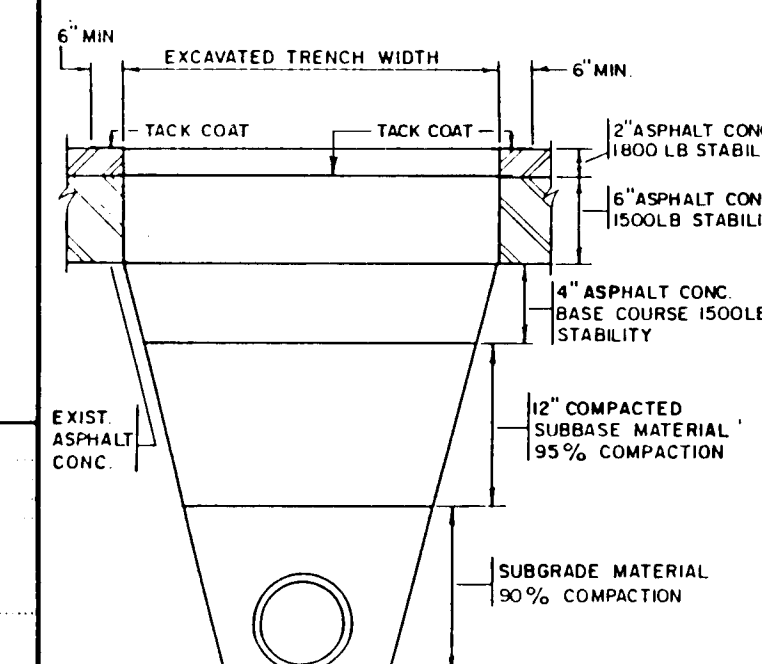
C of A PWD Maps & Records
26 356161051910

NOTE: ALL SERVICE DIP

CITY OF ALBUQUERQUE PUBLIC WORKS ENGINEERING					
TITLE: BETAWEST ALBUQUERQUE PLAZA PAVING PLAN & PROFILE THIRD STREET					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	8-1-89	Liquid Waste	<i>[Signature]</i>	8-22-89
A.C.E. - Design	"	"	Traffic	<i>[Signature]</i>	8-22-89
A.C.E. - Hydrology	CAM	9-1-89	Water	<i>[Signature]</i>	8-22-89
DRAWING NO. 3566			MAP NO. K-14		
SHEET 5			OF 8		



UTILITY TRENCH PAVING
REPLACEMENT STD. DETAIL 2315
NOT TO SCALE



UTILITY TRENCH PAVING
REPLACEMENT STD. DETAIL 2465
NOT TO SCALE

NOTES

1. STRIPING TO BE PROVIDED BY CONTRACTOR
SPECS PER M.U.T.C.D., LATEST EDITION.
STRIPING TO BE PAID PER STRIPE, 4" x 10' LONG
DOUBLE COATED.

C of A PWD Maps & Record

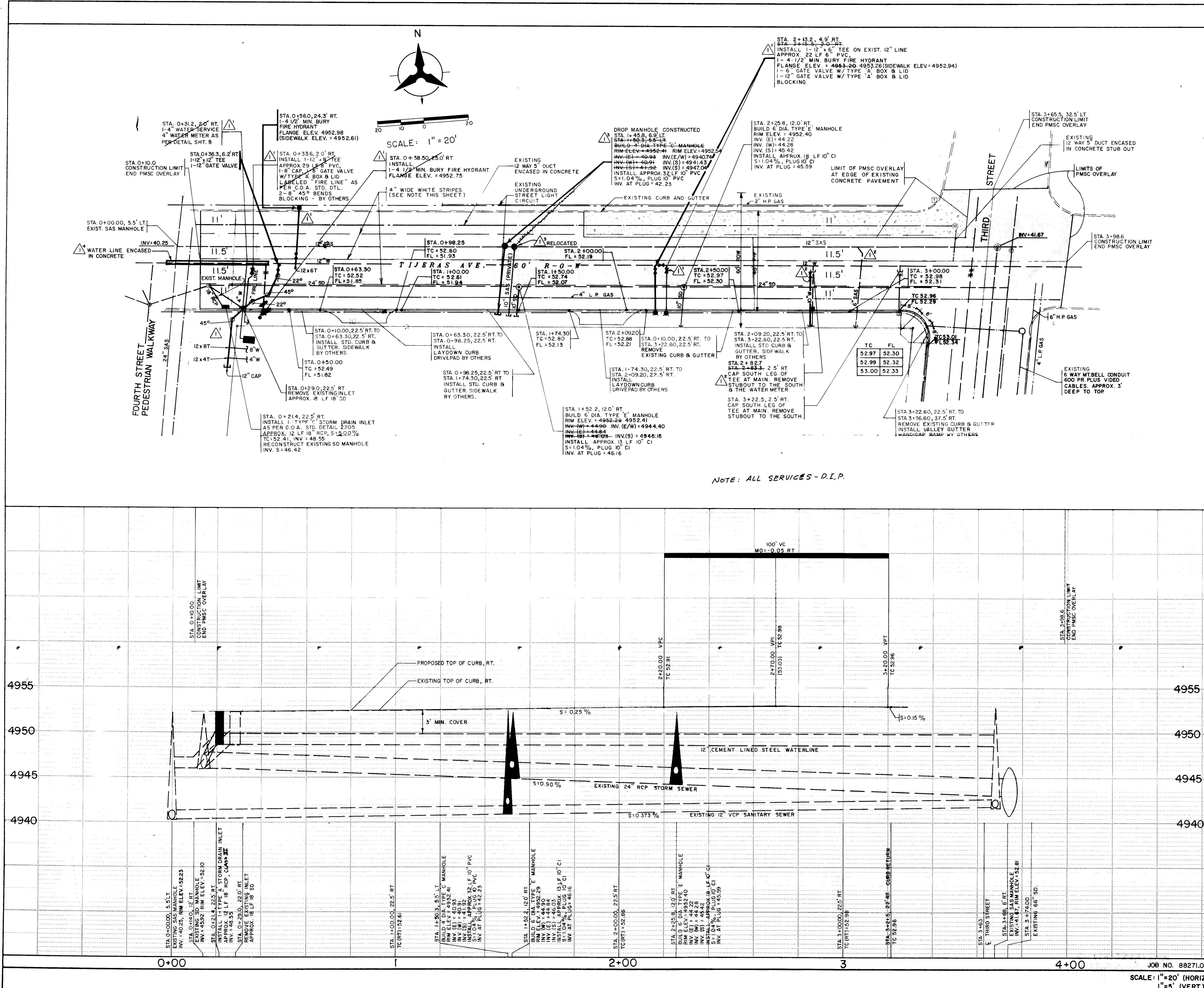
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2	6		3	5	6	6	0	6	9	0

NOTE: ALL SERVICE P.I.F.

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES				CONTRACTOR N.J.M.C. CONST.	
		NO.	BY	DATE			
				THE BENCHMARK IS LOCATED IN THE NW QUADRANT OF THE			
				INTERSECTION OF 3rd ST. AND COPPER AVE., N.W. THE			
				BENCHMARK IS 28.9' NORTH AND 30.2' WEST OF THE			
				INTERSECTION. B IS A STANDARD C.O.A. DISK SET IN A DRILLED			
				HOLE IN THE SIDEWALK MARKED "2-K 14 ACS" ELEVATION			
				CORRECTED BY			
				DATE			
				MICRO-FILM INFORMATION			
				RECORDED BY			
				DATE			

REVISIONS		DESIGNED BY JLP		DATE 10/88
		DRAWN BY JLP, DP		DATE 11/88

		CITY OF ALBUQUERQUE PUBLIC WORKS ENGINEERING			
TITLE: BETAWEST ALBUQUERQUE PLAZA PAVING PLAN & PROFILE COPPER AVENUE					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>Ryan L. Kane</i>	<i>9-2-89</i>	Liquid Waste	<i>R.W. Kane</i>	<i>8-22-89</i>
A.C.E. - Design	<i>ea</i>	<i>*</i>	Traffic	<i>R. Kane</i>	<i>8-29-89</i>
A.C.E. - Hydrology	<i>(A-1)</i>	<i>9-2-89</i>	Water	<i>R.W. Kane</i>	<i>8-22-89</i>
DRAWING NO. 3566		MAP NO. K-14		SHEET 6 OF 8	



60' RIGHT-OF-WAY

STREET SECTION

NOT TO SCALE

UTILITY TRENCH PAVING

REPLACEMENT STD. DETAIL 2315

NOT TO SCALE

UTILITY TRENCH PAVING

REPLACEMENT STD. DETAIL 2465

NOT TO SCALE

NOTES

1. STRIPING TO BE PROVIDED BY CONTRACTOR. SPECS PER M.U.T.C.D., LATEST EDITION.

2. STRIPING TO BE PAID PER STRIPE, 4" x 10' LONG, DOUBLE COATED.

C of A PWD Maps & Records

26 356 60790

CITY OF ALBUQUERQUE

PUBLIC WORKS

ENGINEERING

TITLE: BETAWEST ALBUQUERQUE PLAZA

PAVING PLAN & PROFILE

TIERAS AVENUE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	R. W. Kane	8-22-89	Liquid Waste	R. W. Kane	8-22-89
A.C.E. Design	"	"	Traffic	R. W. Kane	8-22-89
A.C.E. Hydrology	C.M.	8-1-89	Water	R. W. Kane	8-22-89

DESIGNED BY JLP

DRAWN BY JLP, DP

CHECKED BY KLD

DATE 10/88

DATE 11/88

DATE 11/88

DRAWING NO. 3566

MAP NO. K-14

SHEET 7 OF 8

AS BUILT INFORMATION

CONTRACTOR A.M.C. COAST.

WORK BY DATE

FIELD BY DATE

REVISIONS BY DATE

CORRECTED BY DATE

RECORDED BY DATE

BENCH MARKS

THE BENCHMARK IS LOCATED IN THE NW QUADRANT OF THE INTERSECTION OF 3rd ST. AND COPPER AVE., NW. THE BENCHMARK IS 28.9' NORTH AND 30.2' WEST OF THE INTERSECTION. IT IS A STANDARD COA. DISK SET IN A DRILLED HOLE IN THE SIDEWALK MARKED 2-K 14 ACS. ELEVATION 4952.243

SURVEY INFORMATION

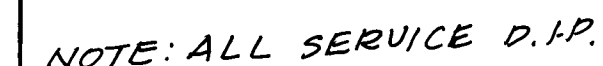
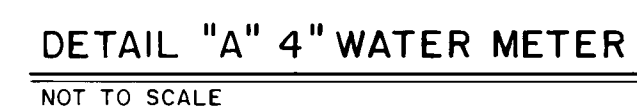
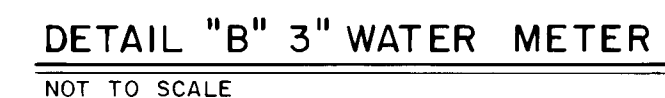
NO.	DATE	BY

ENGINEER'S SEAL

ASCE

REVISIONS

NO.	DATE	REMARKS



		CITY OF ALBUQUERQUE PUBLIC WORKS ENGINEERING			
TITLE: BETAWEST ALBUQUERQUE PLAZA DETAIL SHEET					
APPROVALS		ENGINEER		DATE	
City Engineer		<i>Rogelio</i>		7-1-89	
A C E - Design		"		"	
A C E -Hydrology		CAM		6-1-89	
APPROVALS		ENGINEER		DATE	
Liquid Waste		<i>R.W. Kane</i>		8-23-89	
Traffic		<i>W/A Burke</i>		8-29-89	
Water		<i>R.W. Kane</i>		8-23-89	
DRAWING NO		3566		MAP NO.	
				K-14	
SHEET		OF			
8		8			