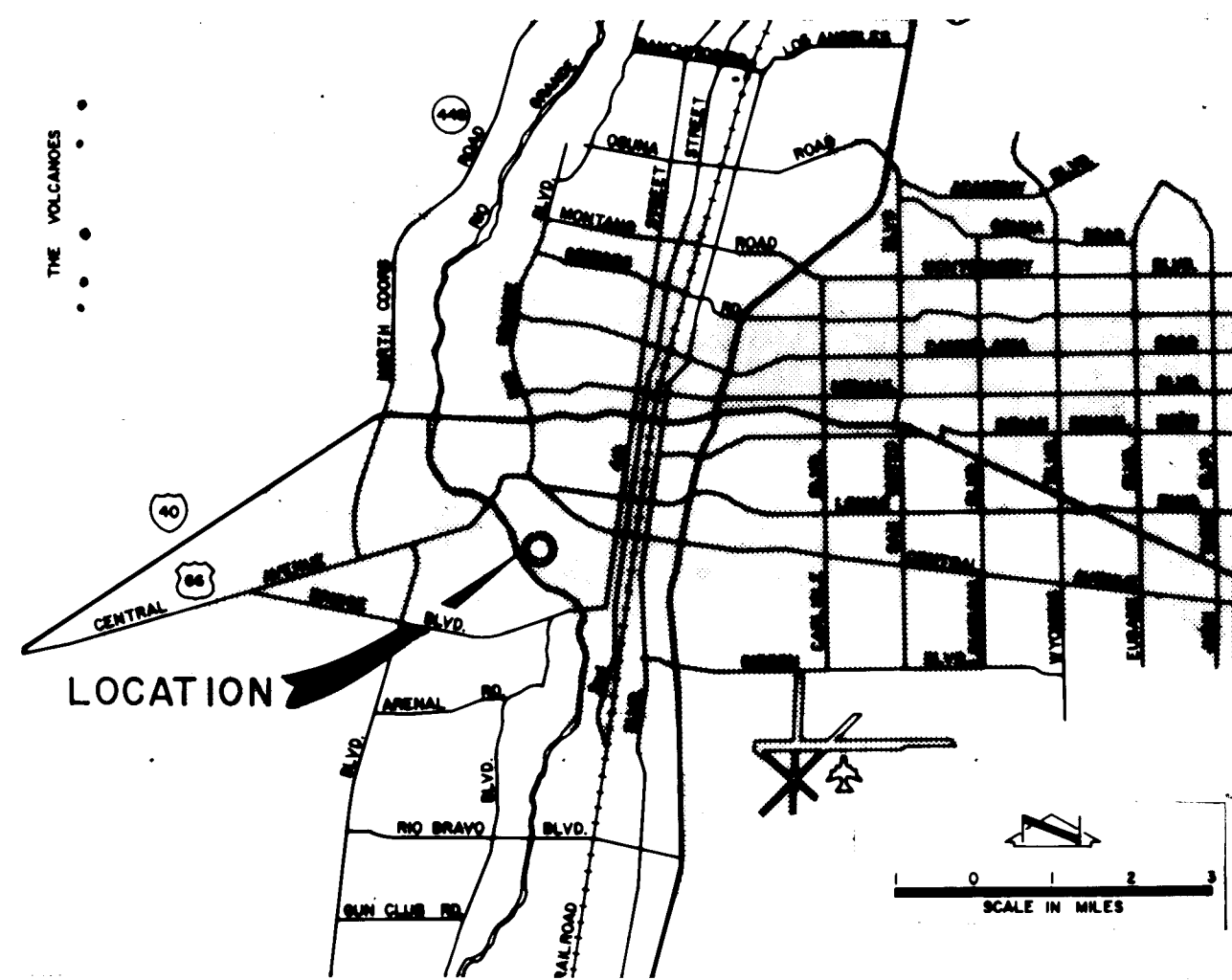
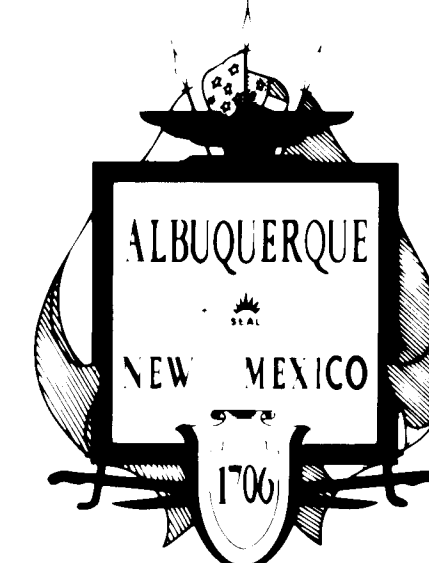


KEY MAP



CITY OF ALBUQUERQUE



INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES & DETAILS
3 - 5	LINE A S.W. LOOP
5 - 9	LINE A N. W. LOOP
10	LINE B
11	MECHANICAL EQUIPMENT AT MOAT MECHANICAL ROOM.

1985 RIO GRANDE ZOO

WATER LINE IMPROVEMENTS

PHASE 1

JOB NUMBER 84120
SET NO. _____



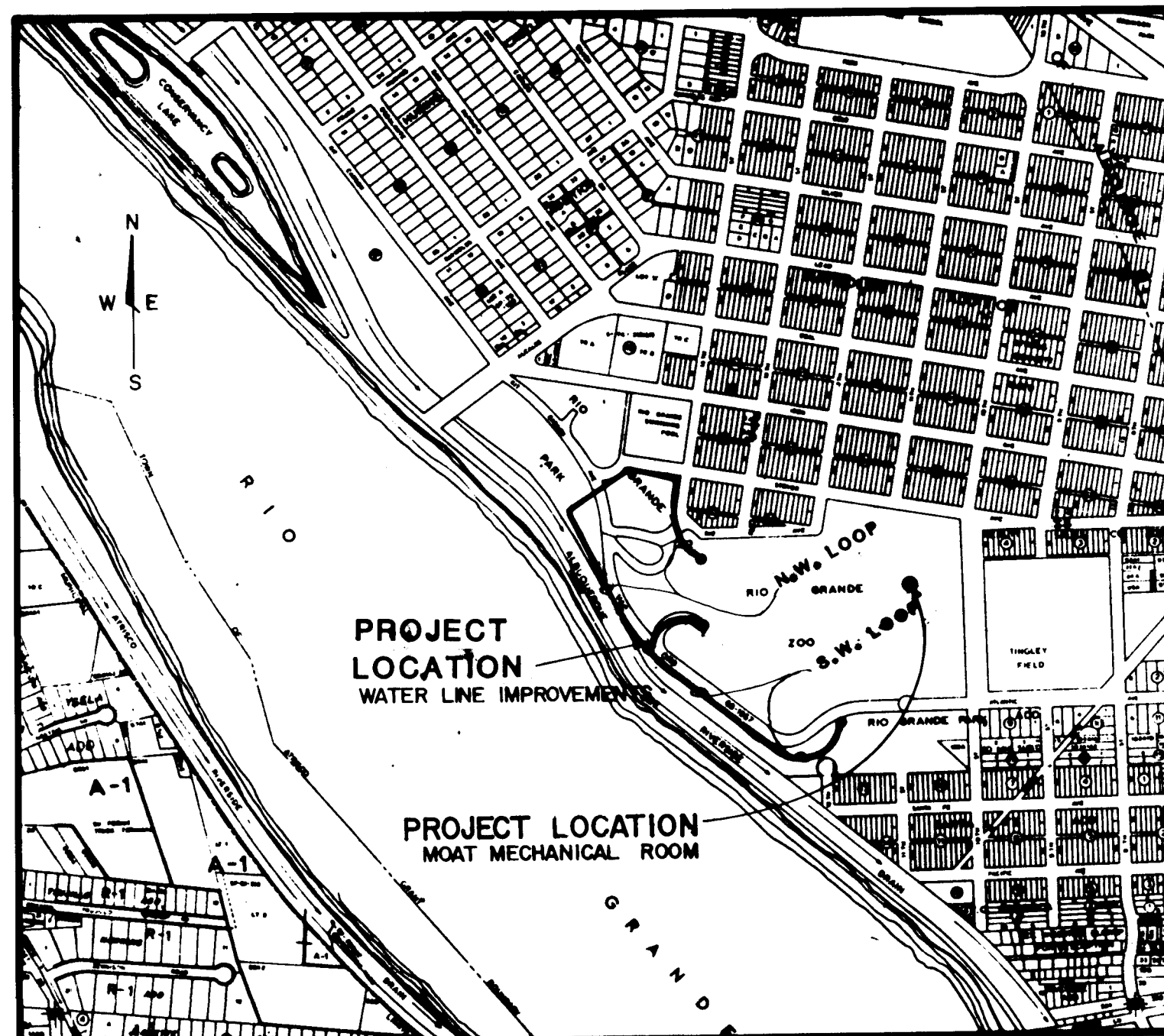
APPROVED FOR RIO GRANDE ZOO

W.F. McNamee
4-23-86

26 22510186

REV.	SHEETS	CITY	ENGR.	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE
APPROVAL OF REVISIONS										
								APPROVED FOR CONSTRUCTION 		
DRAWING NO. 2251					MAP NO. K-13			SHEET 1 OF 11		

RECORD DRAWING



LOCATION MAP
SCALE: 1"=800'

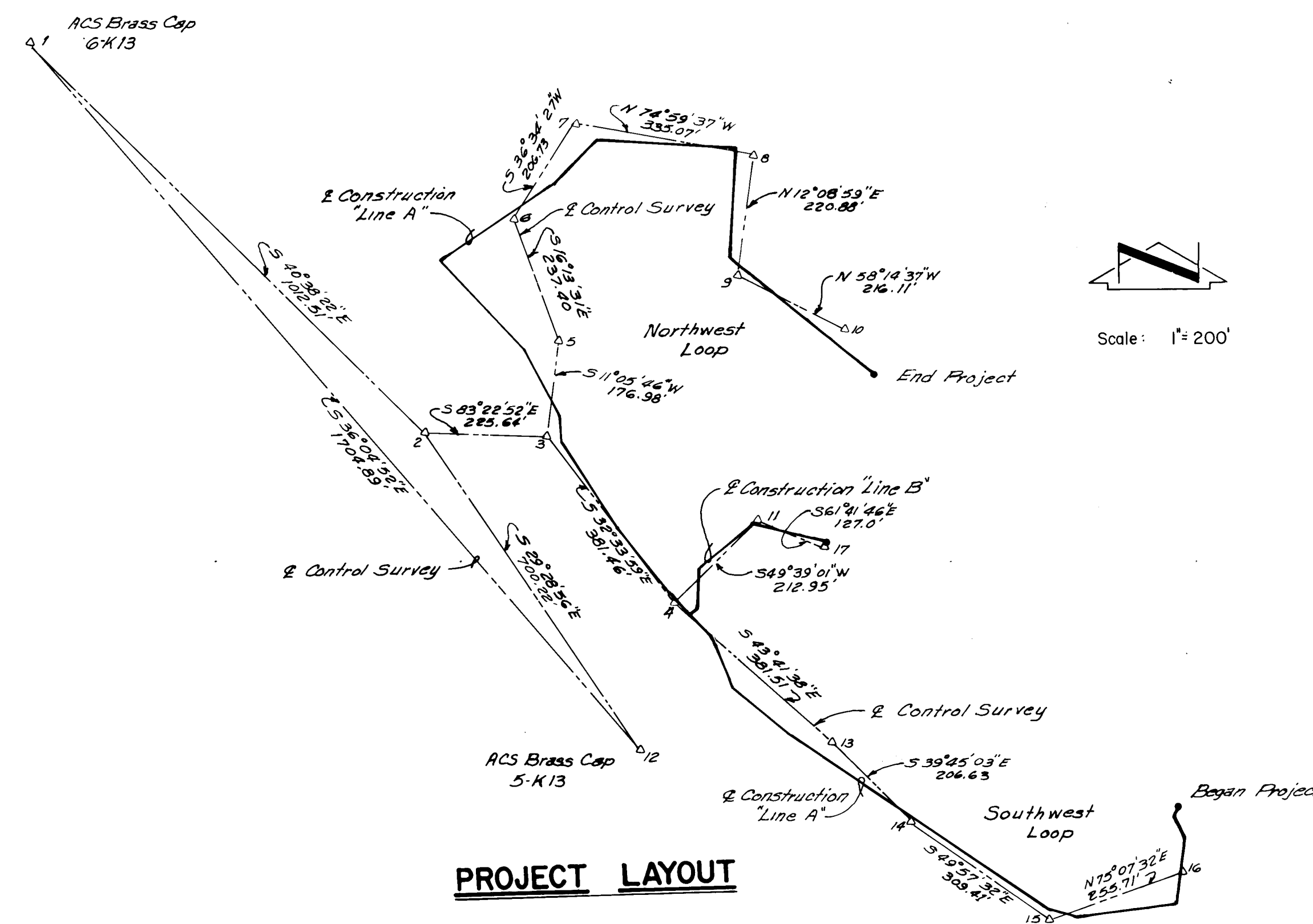
LEGEND

—x—x—	WIRE FENCE
—RR—	RR TIES-LAID DOWN
—RR—	RR TIES - ON END
—UE—	EXISTING UNDERGROUND ELECTRIC CABLE
—P—	OVERHEAD POWER LINE
[Hatched Box]	EXISTING BUILDING
[Stippled Box]	CONCRETE SLAB
—W—	EXISTING WATER LINE
—SAS—	SANITARY SEWER LINE
[Circle with X]	EXISTING FIRE HYDRANT
[Circle]	EXISTING TREE
---	WALKWAY OR PAVED AREA
[Star]	LIGHT
[Circle]	MANHOLE
[Square]	ELECTRIC BOX
— — —	EXISTING WATER VALVE
—o—o—	CHAIN LINK FENCE
•	POST
○	POWER POLE
×	WATER METER
•	SPRINKLER
△	SURVEY P.I.
---	BOARD FENCE
[Circle with X]	NEW FIRE HYDRANT
[Circle]	NEW WATER VALVE
---	NEW WATER LINE

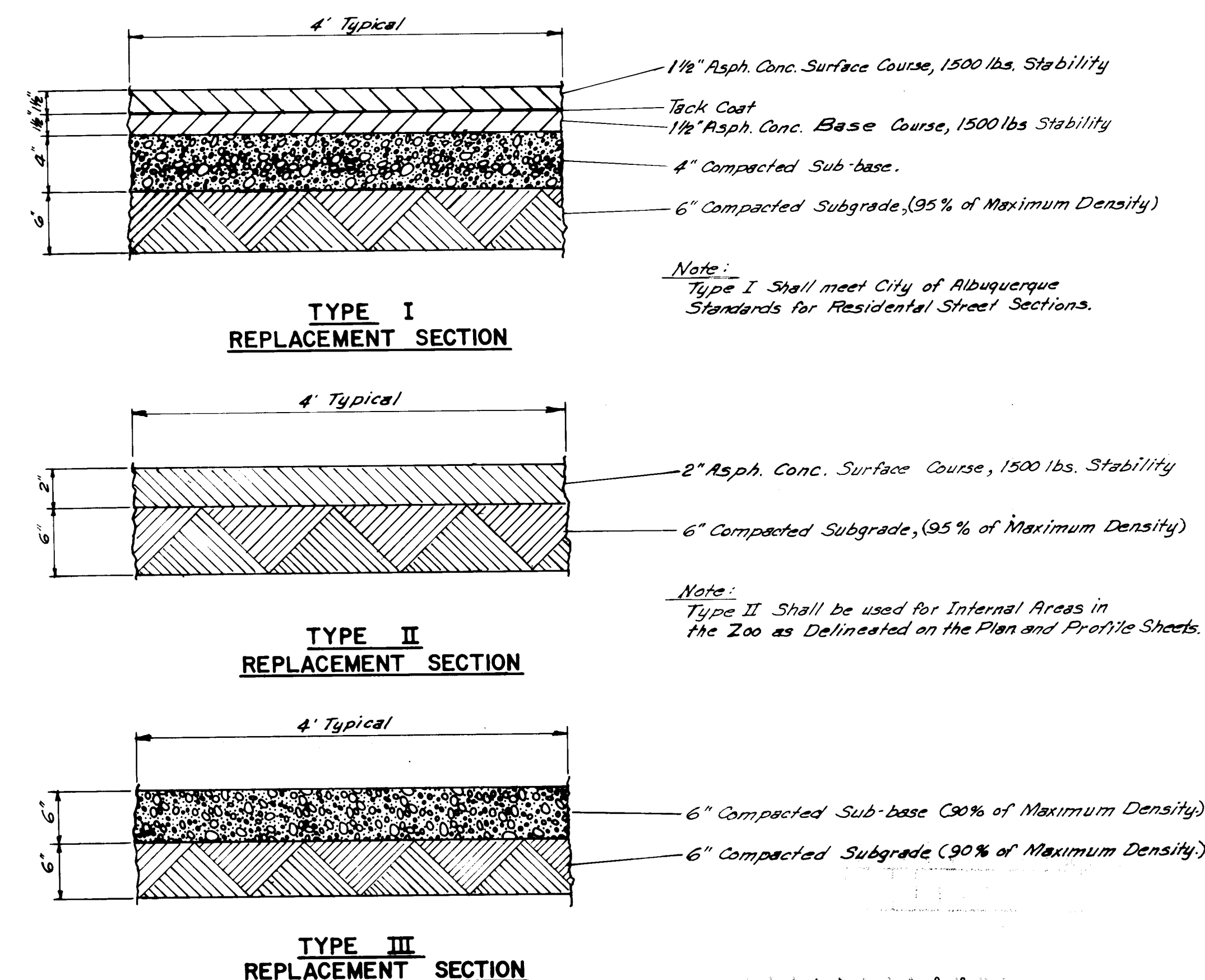
9. Whenever possible, it is desirable to lay parallel water and sewer lines at least ten (10) feet apart horizontally, and the waterline should be a higher elevation than the sewer. In cases where it is not practical to maintain a ten (10) foot separation, ENGINEER may allow deviation on a case-by-case basis. Such deviation may allow installation of the sewer line closer to the waterline, provided the waterline is in a separate trench or on an undisturbed earth shelf located on one side of the sewer at an elevation such that the bottom of the waterline is at least eighteen (18) inches from the top of the sewer.

GENERAL NOTES

- All fittings, risers, tees, bends, etc., of whatever nature are to be adequately supported and thrust blocked with Portland Cement concrete (3000 psi min.) and all valves are to be fully supported and blocked in accordance with City of Albuquerque Standard Detail Drawing W-22. Cost of supporting or thrust blocking to be included in the unit price bid for respective pipe line items.
- All material and workmanship shall conform to project specifications. All installation details are typical and may be changed to better the existing local conditions upon written direction of the Engineer.
- All installations shall conform in every respect with the recommendations of the manufacturers of the various equipment and materials, unless such is in non-conformity with applicable Codes and Standards.
- All work which might involve disruption of water service in any way shall be coordinated fully with the City Water Department and Rio Grande Zoo Officials. Notification shall be at least 48 hours in advance.
- Estimated Quantities shown herein are for the Contractor's information only. Final quantities to be determined by actual work accomplished upon completion of project.
- Cost of items shown in the schedules of estimated quantities for the unit shown therein and the bid proposal are to include all miscellaneous appurtenances thereto complete and in place, as generally noted on the plans.
- Cost of all fittings, couplings, reducers, connecting pieces, adapters, etc., to be included in unit bid price per linear foot for the various kinds and sizes of pipes unless otherwise provided in bid schedule.
- Suitable shop drawings showing details of fabrication and installation of all items not specifically detailed on the plans shall be submitted to and approved in writing by the Engineer before fabrication of the item is begun.
- All data concerning existing utility lines, including depth, size, material, have been obtained from existing records and may or may not be completely accurate. The Contractor shall contact each utility company prior to making any excavations for line location, and shall carefully excavate these lines as is necessary to determine the actual locations and depths. The contractor is advised that these exploratory excavations are in his own best interest to aid in construction. Exploratory trenching as is required, will be considered incidental to all other items of work. Notification to all utility companies shall be at least 48 hours prior to any excavation.
- All traffic control devices installed or used during the construction of this project must conform to the "Manual on Uniform Control Devices," latest edition, and erected as directed by the Contractor's Safety Representative.
- Walls, fences and walks within the limits of construction shall be removed as required and replaced with equal or better materials by the Contractor. All replacement methods shall be submitted to the Engineer for review.
- There will be no measurement or payment for any item except those listed in the "Unit Price Bid Proposal." All other necessary items of work and miscellaneous materials necessary to complete the project shall be considered incidental and no direct payment will be made unless so allowed by the City of Albuquerque.
- Where the plans call for a water line to be abandoned, this means the line is to be separated from any connection to the water system, and those separations plugged and blocked. There shall be no direct payment for this work, the cost thereof being considered incidental to the other items.
- Paving cuts shall be paved to the general thickness and material design provided on the plans.
- Limits of payment for temporary or permanent asphalt patches over pipe shall be equal to Four (4) Feet.
- Limits of payment for asphalt patches over connections to existing waterlines shall be maximum 5' X 5'.
- New Mexico standard specifications for Public Works Construction, 1979 edition, City of Albuquerque Public Works Contract 84-3 and any revisions or additions in the Specifications and Contract Documents, shall govern the construction of this project.
- Pipe materials for this project are:
6" and under class 50 DIP, Asbestos Cement, or PVC.



PROJECT LAYOUT



TYPICAL PAVEMENT REPLACEMENT SECTION

Not To Scale

PLANS PREPARED UNDER THE DIRECTION OF

NOTE: Graduation Requirements for all Pavement Types shall be as stated in the Specifications for City of Albuquerque Standard Residential Pavement.

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

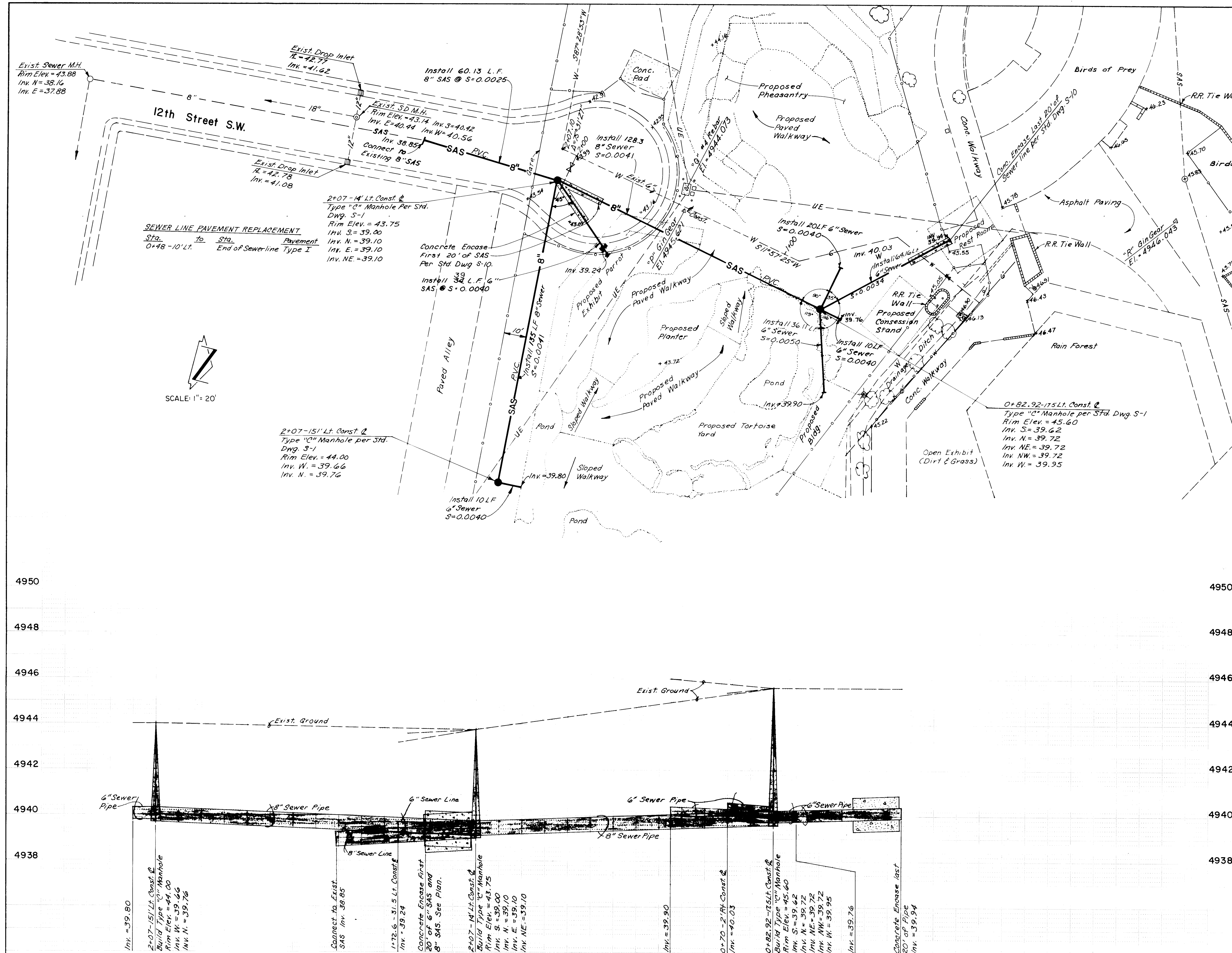
TITLE: 1985 RIO GRANDE ZOO WATER LINE IMPROVEMENTS PHASE I

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[Signature]	5/16/85	Liquid Waste	[Signature]	4/30/85
A.C.E.-Design	[Signature]	4/30/85	Traffic	[Signature]	4/30/85
A.C.E.-Hydrology	[Signature]	4/30/85	Water	[Signature]	4/30/85

DRAWING NO. 2251 MAP NO. K-13 SHEET 2 OF 11

DESIGNED BY K.S.F. DATE 1-85
DRAWN BY J.D.R./P.J.R. DATE 1-85
CHECKED BY DATE

RECORD DRAWING



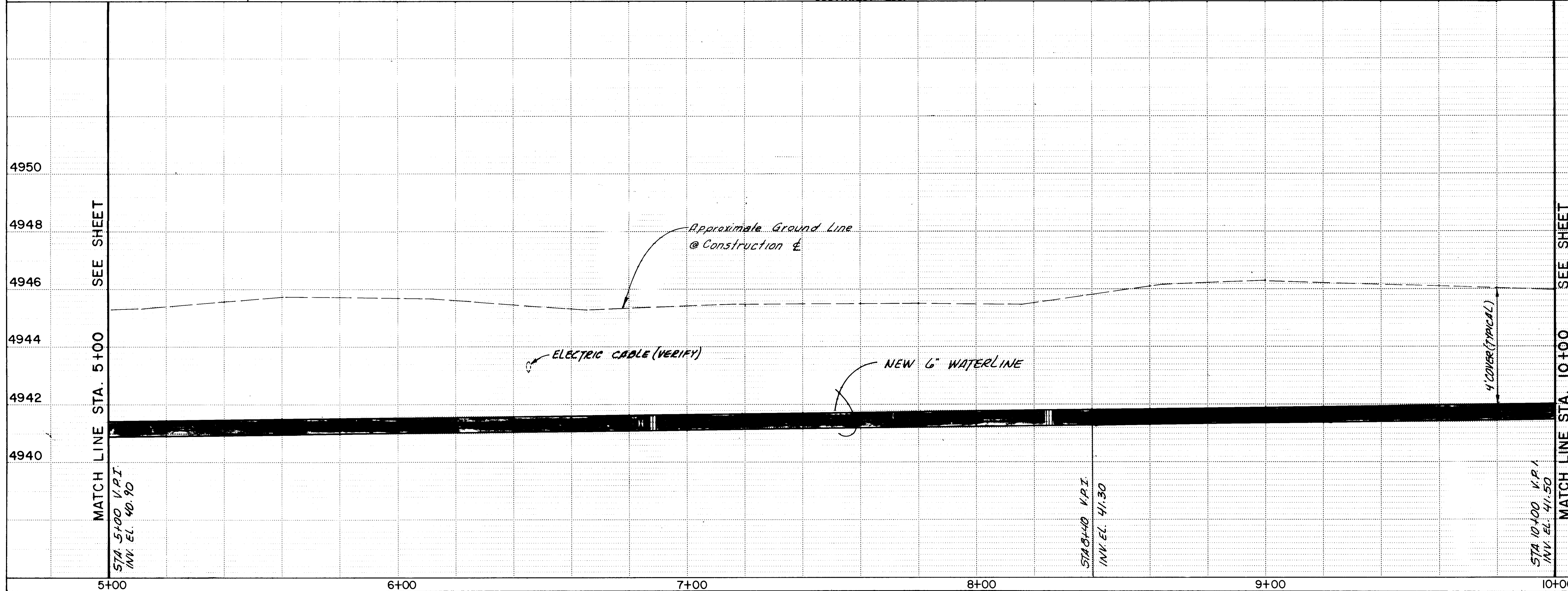
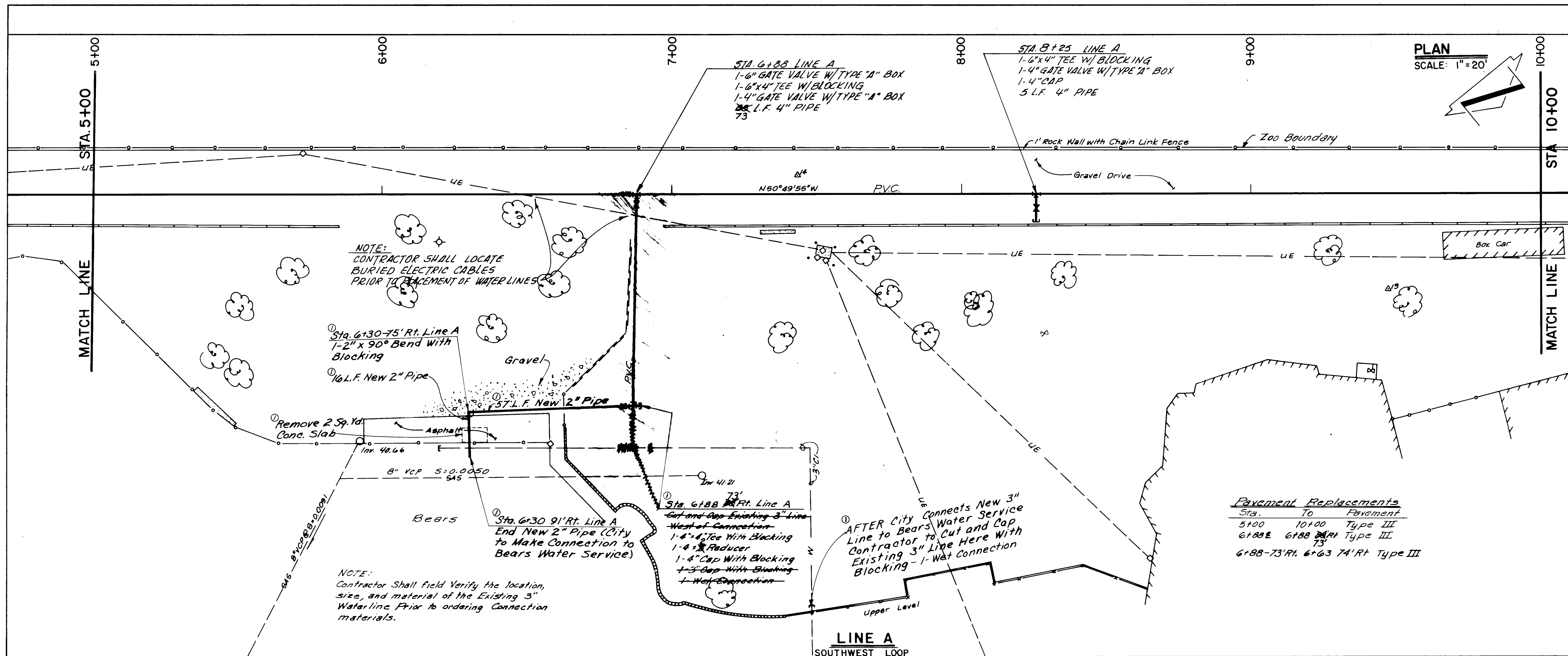
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Scanlon							
STATIONED BY	DATE						
RECORDED BY	DATE						
FIELD CHECKED BY	DATE						
REVISIONS							
NO.	DATE						
DESIGNED BY	DATE						
DRAWN BY	DATE						
CHECKED BY	DATE						

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION				
TITLE: 1985 RIO GRANDE ZOO WATER LINE IMPROVEMENTS PHASE I - CHANGE ORDER NO. 2				
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER
City Engineer			Liquid Waste	
A.C.E. - Design			Traffic	
A.C.E. - Hydrology			Water	

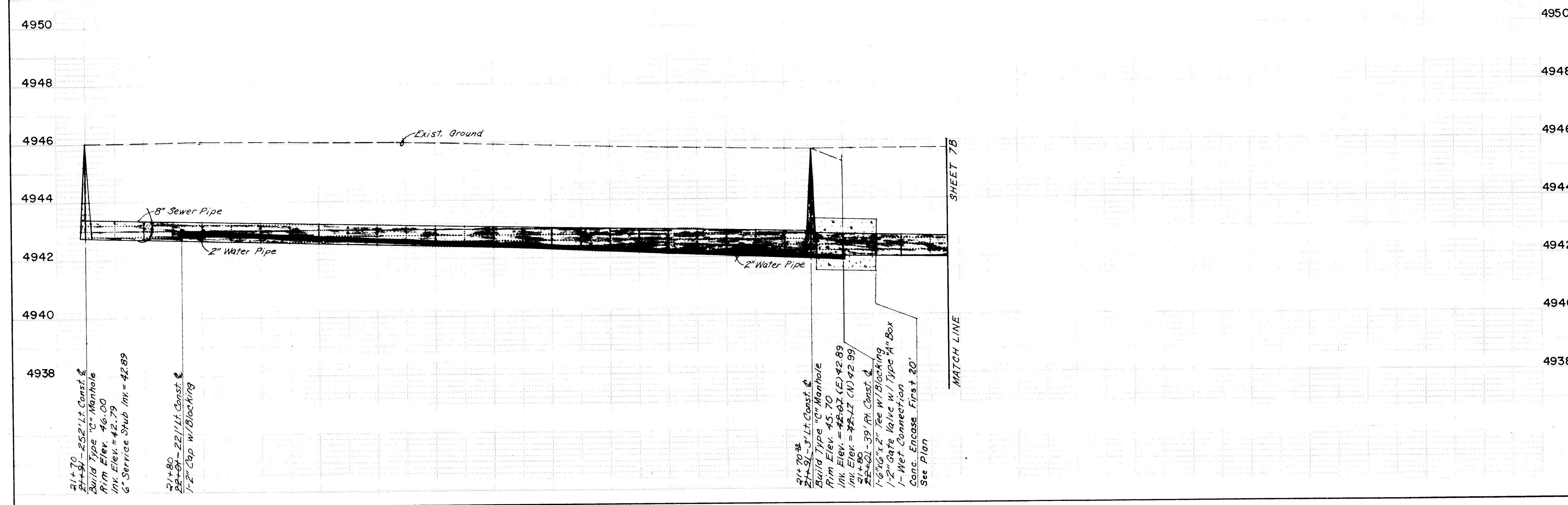
DRAWING NO. 2251	MAP NO. K-13	SHEET 3A	OF 11
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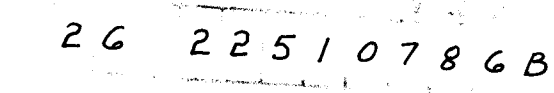
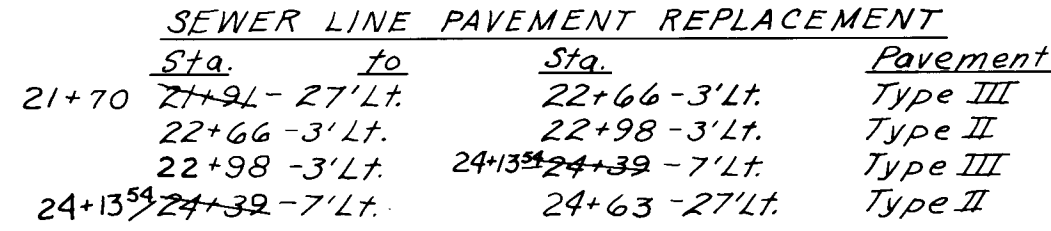
Scanlon Job No. 84120.3

RECORD DRAWING



AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
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Scanlon															
REVISIONS NO. 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PROFILE

SCALE: 1" = 20' HORIZ
1" = 2' VERT

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

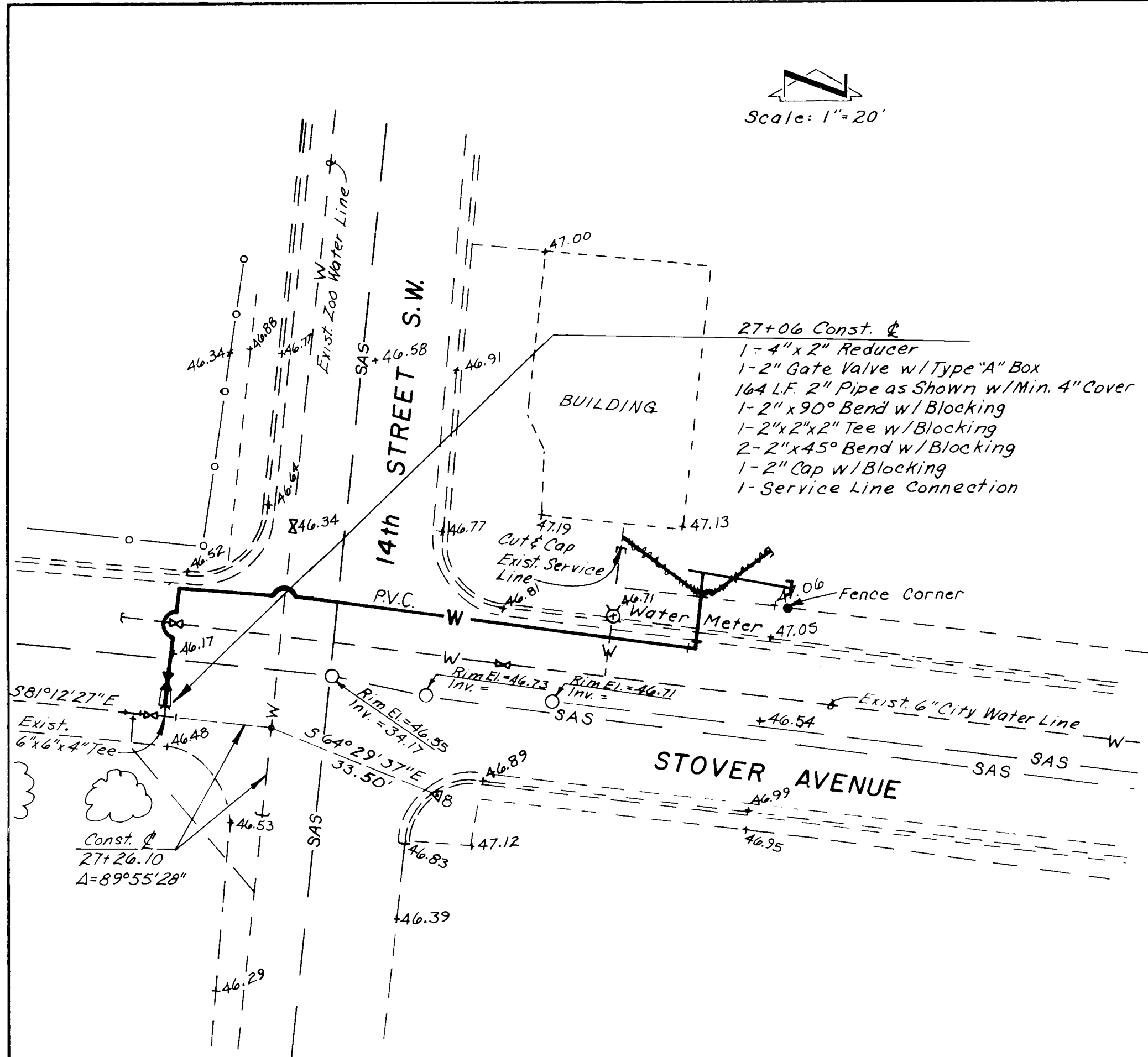
TITLE: 1985 RIO GRANDE ZOO
WATER LINE IMPROVEMENTS
PHASE I-CHANGE ORDER NO.2

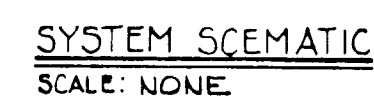
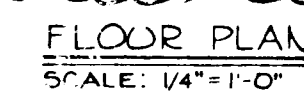
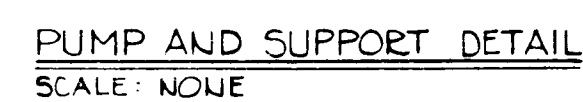
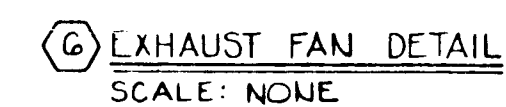
DRAWING NO.	2251	MAP NO.	K-13	SHEET	7B	OF	11
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Scanlon Job No. 84120.3

RECORD DRAWING

[illegible]



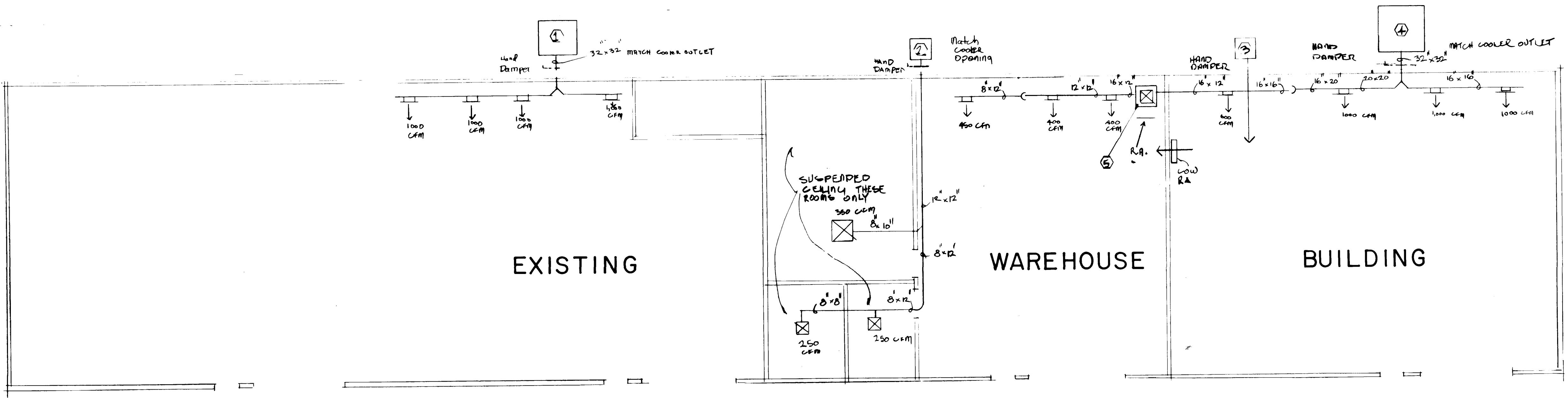


NOTE:
For Mechanical Equipment, See
Section 600 of Specifications.

PLANS PREPARED UNDER THE DIRECTION OF <i>Rudolf G. Paxton</i> BRIDGERS AND PAXTON CONSULTING ENGINEERS, INC.		CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
APPROVED FOR CONSTRUCTION		TITLE: MECHANICAL EQUIPMENT AT MOAT MECHANICAL ROOM					
		APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
		City Engineer	<i>E. D. Hagan</i>	<i>1/10/85</i>	Liquid Waste		
		A.C.E. - Design	<i>1/10/85</i>	<i>1/10/85</i>	Traffic	<i>N.A. DWH</i>	<i>1/10/85</i>
		A.C.E. - Hydrology	<i>N.A. H</i>	<i>1/25/85</i>	Water	<i>P.B. Hagan</i>	<i>4/30/85</i>
CITY ENGINEER		DRAWING NO		2251	MAP NO.		SHEET
DATE					K-13		II OF II

SCANLON & ASSOC. JOB NO. 84120

RECORD DRAWING



NOTES

- 1 This unit will be supplied by Zoo.
- 2 300 CFM Evaporative Air Cooler complete with pump, pads, motor and controls. Contractor will build 8' high steel stand.
- 3 Same as item 2, but will require an eight foot stand.

GAS FIRED HEATING UNIT

Lennox Model G81-220V with a minimum capacity of 132,800 BTUH output at 5,000 ft. (166,000 BTUH output at sea level. 2400 CFM at 1/2" external static pressure, 1 hp, 208-3-60.

SIDEWALL REGISTERS

400 to 450 CFM-----20" X 8"
600 CFM to 1000 CFM-----30" X 8"
Ceiling Diffusers:-----24" X 24"

NOTE: All ceiling diffusers and sidewall registers shall be fabricated of aluminum, white enamel finish and opposed blade damper for volume controls.

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			REFERENCES			FIELD NOTES		
CONTRACTOR	PRIDE	CONST.	STATION	DATE		NO.	BY	DATE	MAP NO.	EST. NO.	WO NO.	NO.	BY	DATE
STAMPED BY	Scanlon		INSPECTOR	DATE										
FIELD VERIFICATION BY	Scanlon		CORRECTED BY	DATE										
DATE	4-86		DATE	4-86										
MICRO-FILM INFORMATION			RECORDED BY			NO.			DESIGNED BY Zoo Department			DATE Nov. 85		
									DRAWN BY Zoo Department			DATE Nov. 85		
									CHECKED BY Zoo Department			DATE Nov. 85		

PLANS PREPARED UNDER THE DIRECTION OF	CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
	TITLE 1985 RIO GRANDE ZOO WAREHOUSE HEATING AND COOLING					
	APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
	City Engineer			Liquid Waste		
APPROVED FOR CONSTRUCTION	A.C.E.-Design			Traffic		
	A.C.E.-Hydrology			Water		
CITY ENGINEER	DATE	DRAWING NO. 2251			SHEET 11A OF 11	