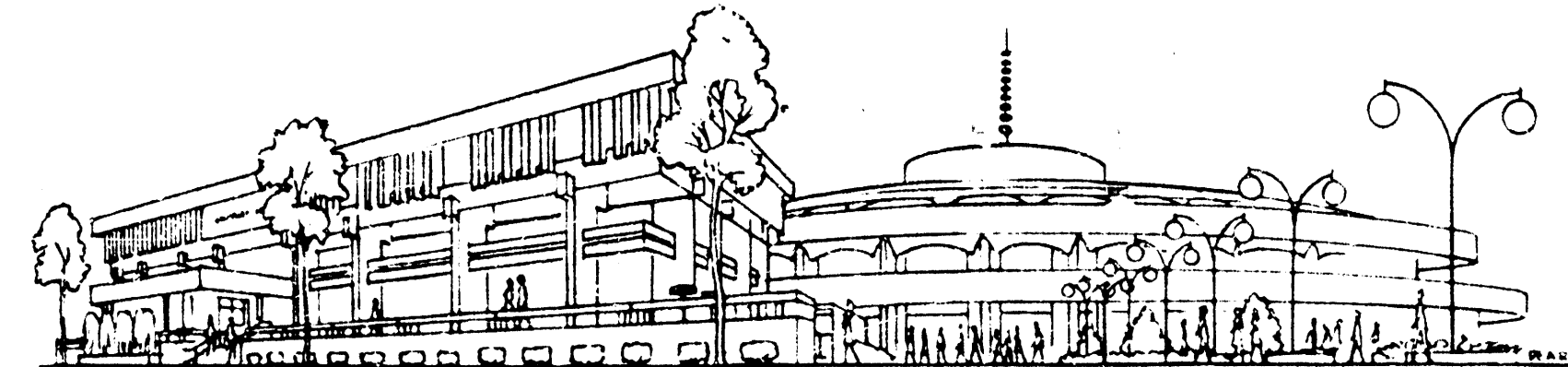


THE URBAN RENEWAL AGENCY
OF THE
WICHITA, KANSAS METROPOLITAN AREA
WICHITA, KANSAS 67202

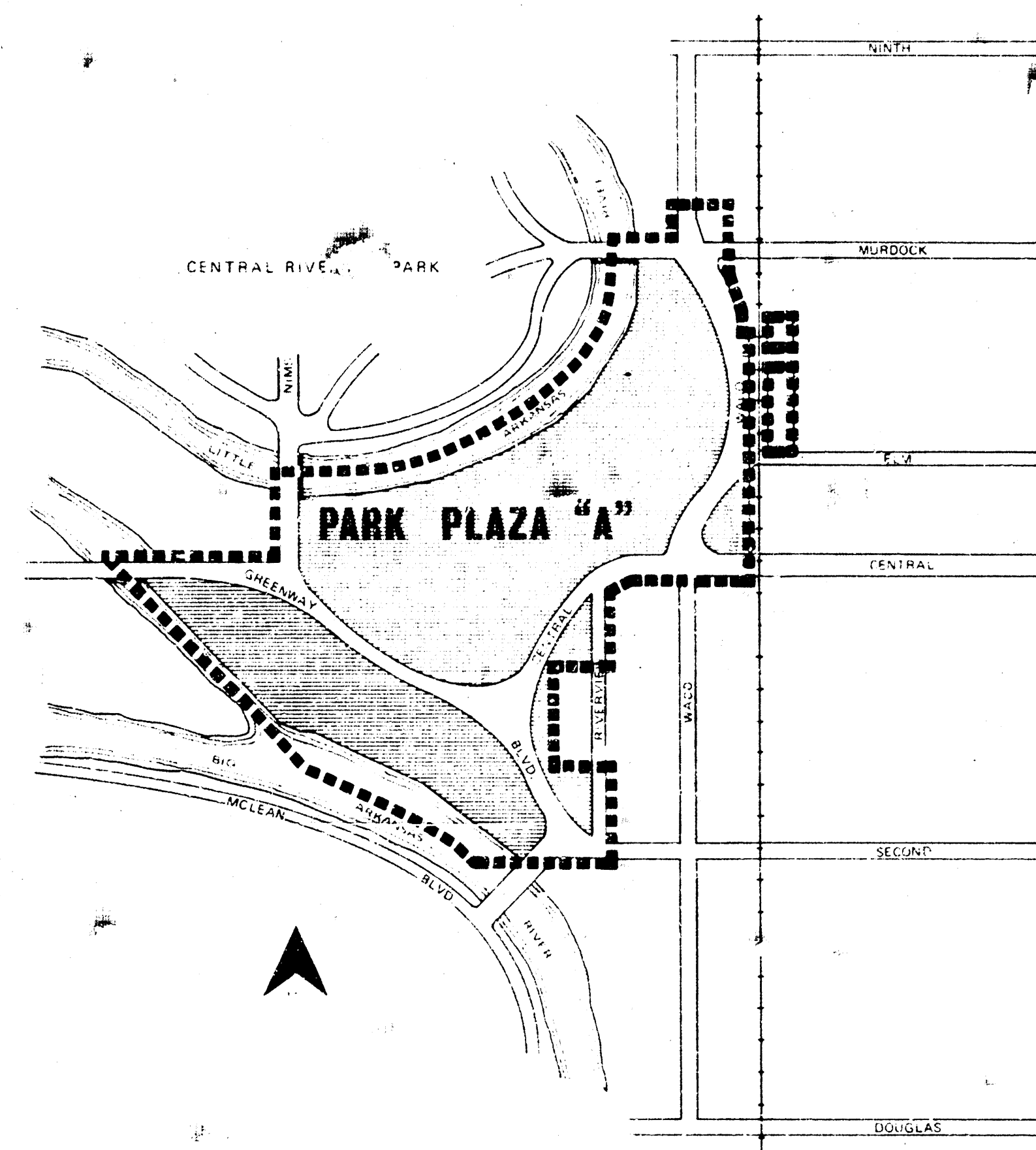


UTILITY RELOCATIONS

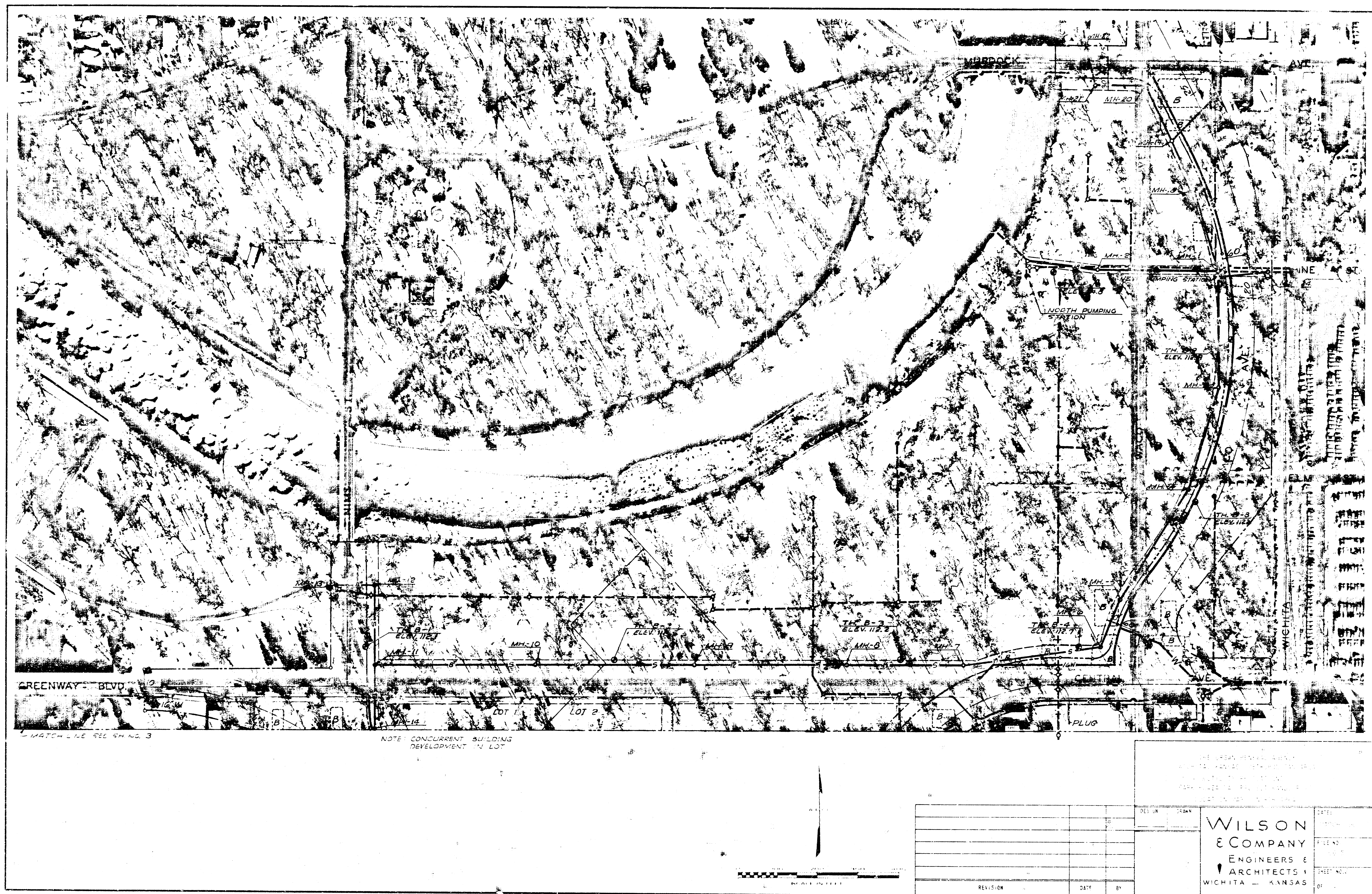
PARK PLAZA "A" PROJECT KANS. R-17

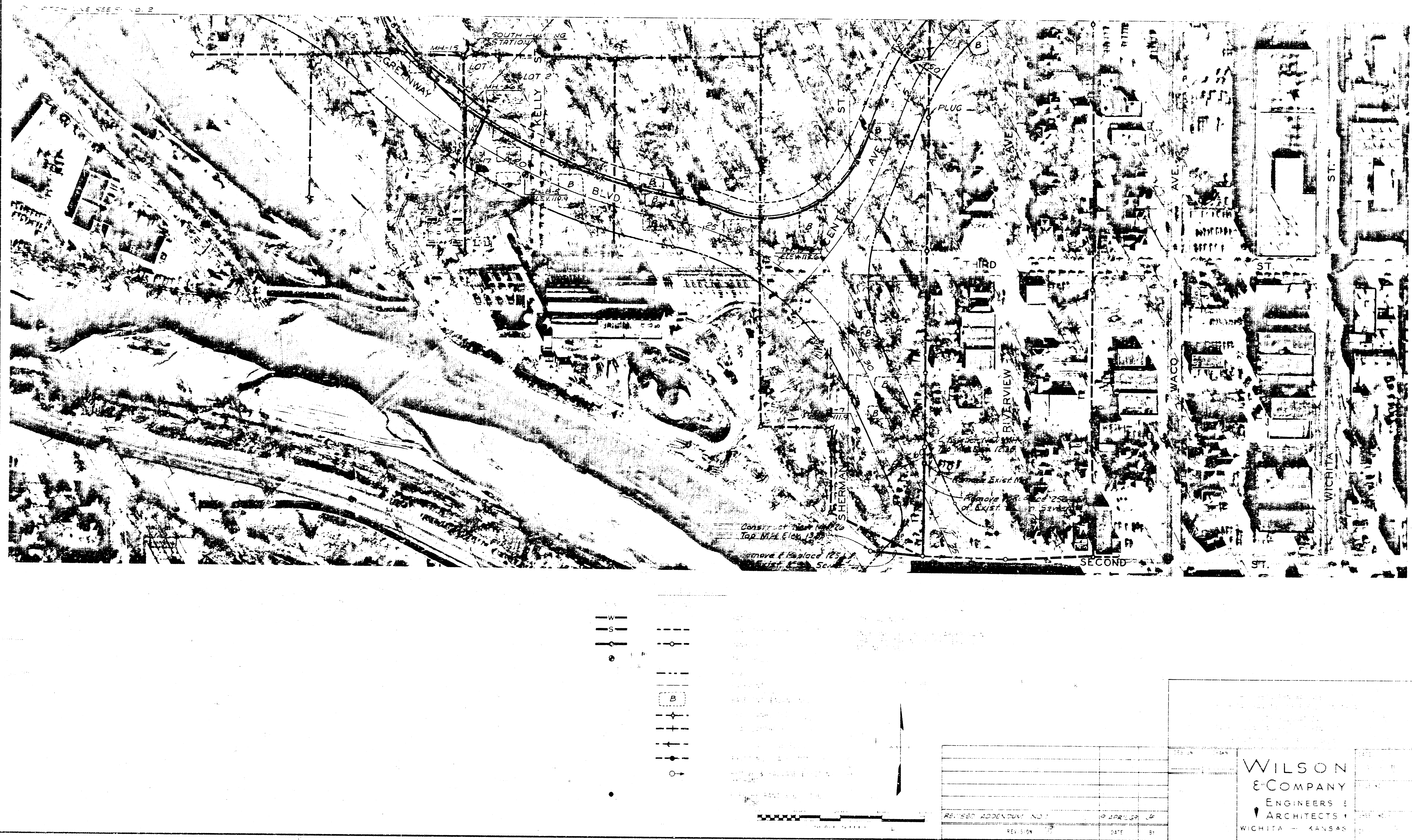
INDEX TO DRAWINGS

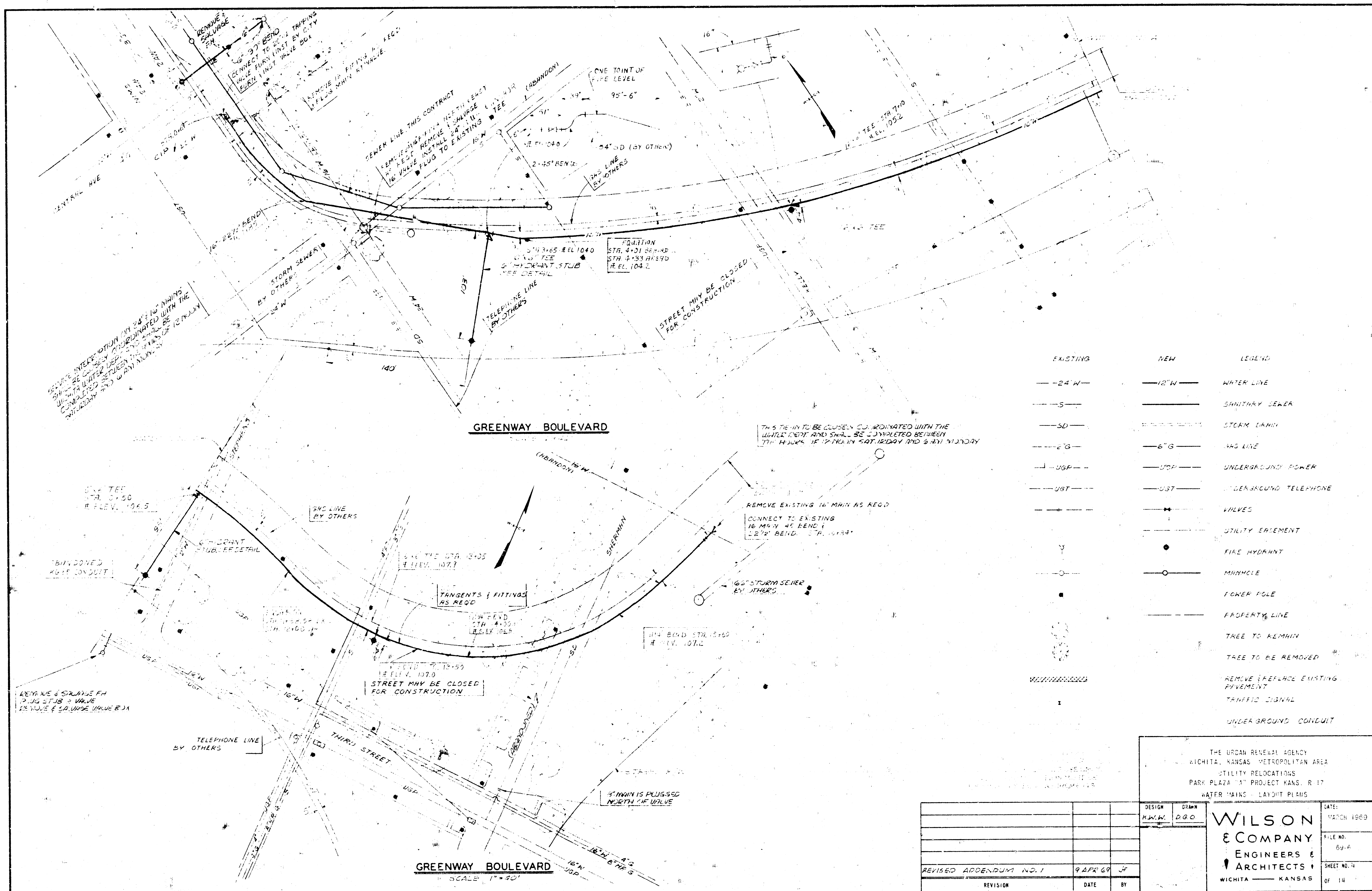
SHEET NO.	DESCRIPTION
1	TITLE, LOCATION MAP AND INDEX
2	LOCATION MAP - NORTH AREA
3	LOCATION MAP - SOUTH AREA
4	WATER MAINS - LAYOUT PLAN
5	WATER MAINS - LAYOUT PLAN
6	WATER MAINS - LAYOUT PLAN
7	WATER MAINS - DETAILS
8	WATER MAINS - DETAILS
9	SEWER - PLAN AND PROFILE
10	SEWER - PLAN AND PROFILE
11	SEWER - PLAN AND PROFILE
12	SEWER APPURTENANCES
13	SEWER DETAILS
14	SEWAGE PUMPING STATION

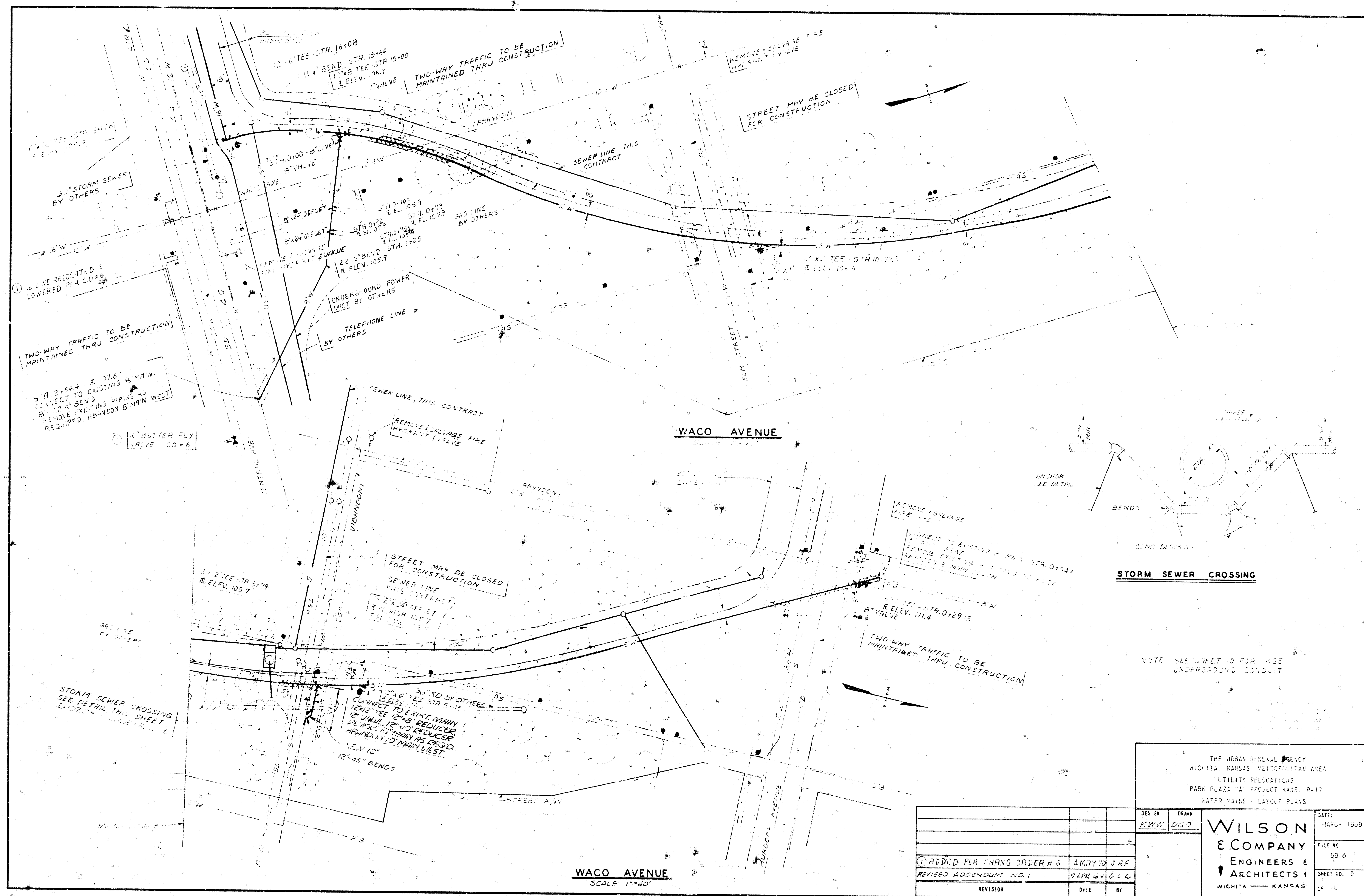


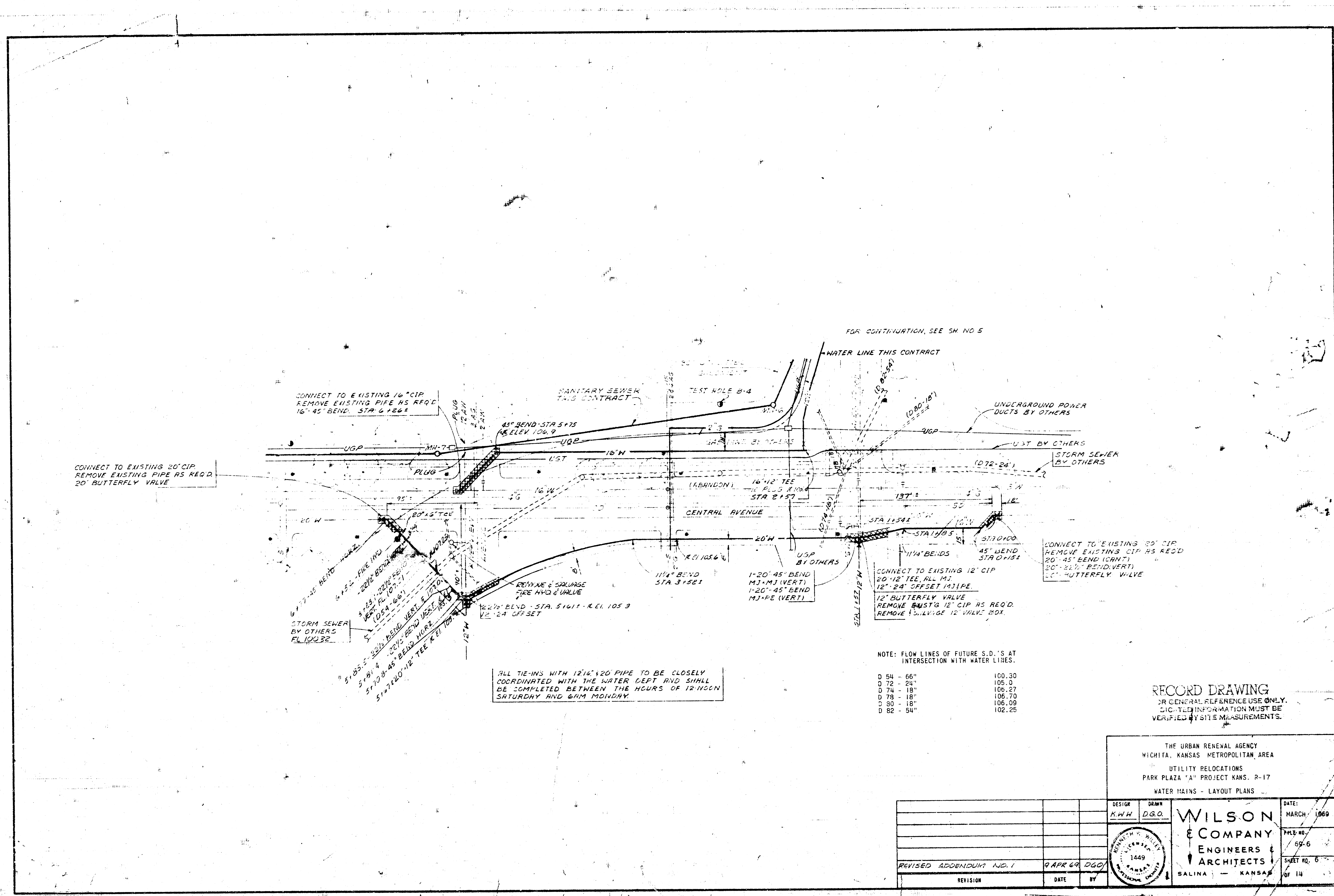
WILSON
& COMPANY
ENGINEERS &
ARCHITECTS
WICHITA — KANSAS











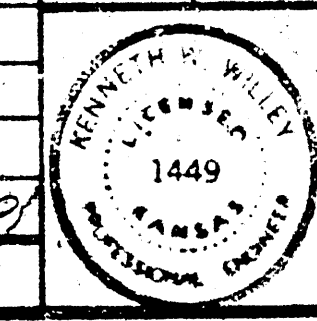
NOTE: FLOW LINES OF FUTURE S.D.'S AT INTERSECTION WITH WATER LINES.

D 54 - 66"	100.30
D 72 - 24"	105.0
D 74 - 18"	106.27
D 78 - 18"	106.70
D 80 - 18"	106.09
D 82 - 54"	102.25

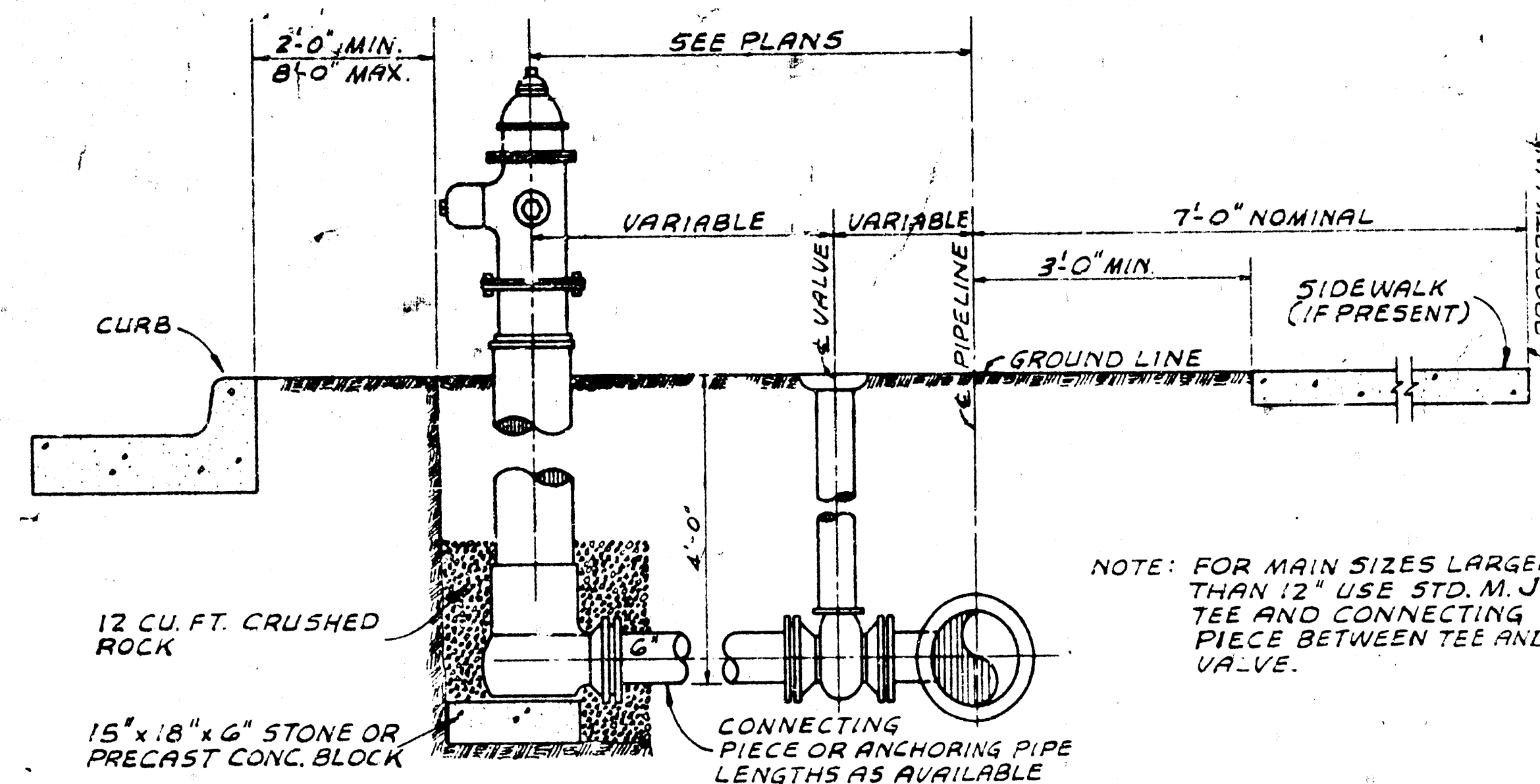
RECORD DRAWING
OR GENERAL REFERENCE USE ONLY.
CITY INFORMATION MUST BE
VERIFIED BY SITE MEASUREMENTS.

THE URBAN RENEWAL AGENCY
WICHITA, KANSAS METROPOLITAN AREA
UTILITY RELOCATIONS
PARK PLAZA "A" PROJECT KANS. R-17
WATER MAINS - LAYOUT PLANS

DESIGN A.M.H.	DRAWN D.G.O.	DATE MARCH 1969
WILSON & COMPANY ENGINEERS & ARCHITECTS SALINA - KANSAS		FILE NO. 69-6
REVISED ADDENDUM NO. 1 9 APR 69 DGO		SHEET NO. 6 OF 14

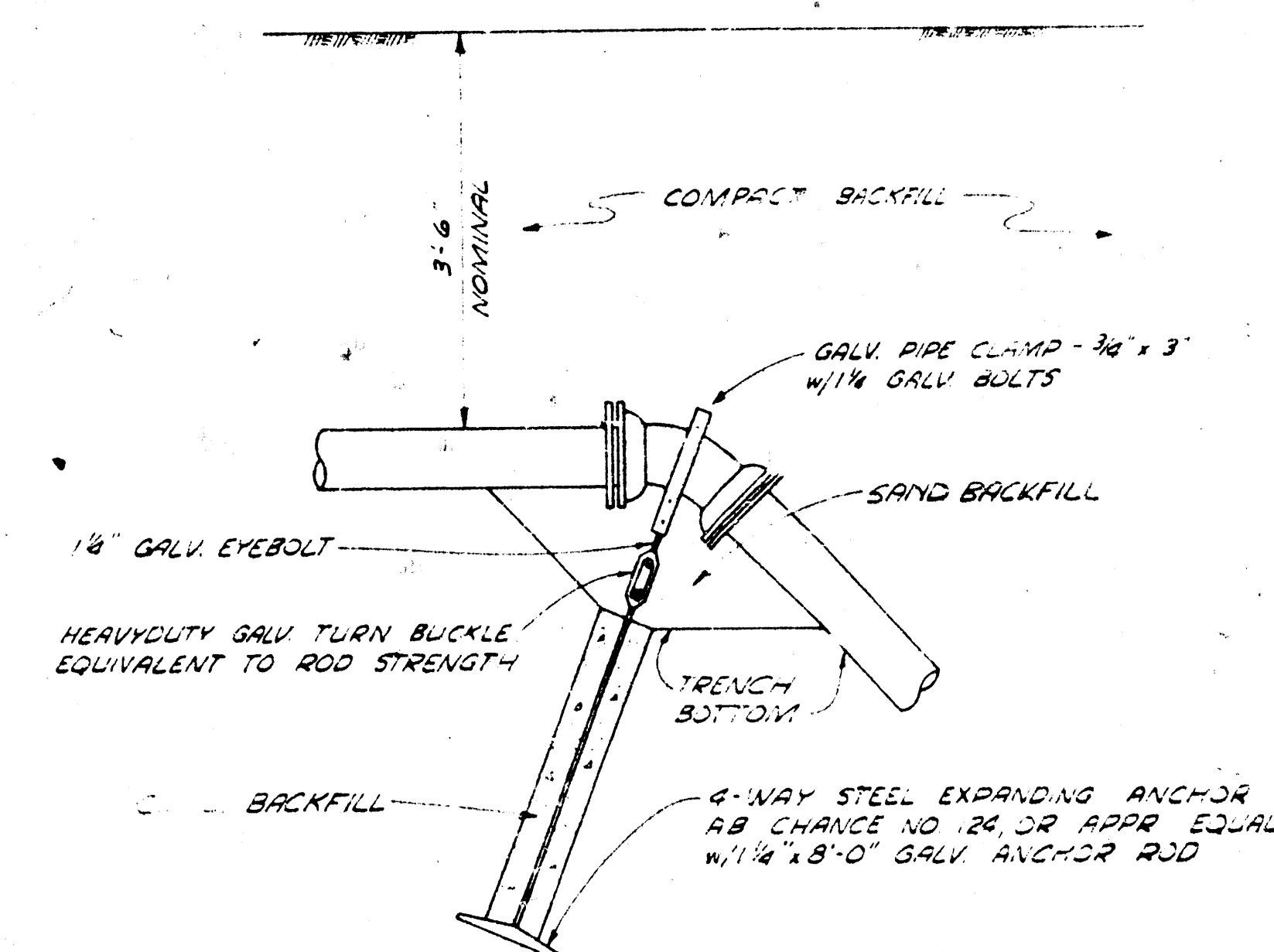


MINIMUM DIMENSIONS FOR REACTION BLOCKING					
DESIGN PRESSURE 150 PSI			3.5' DEPTH OF BURY		
ANGLE OF INTERNAL FRICTION, ϕ 25 DEGREES					
FITTING	LENGTH (L)	WIDTH (W)	HEIGHT (H)	REINFORCING	
				HOR.	VERT.
67-1/2° BEND					
18"	12'-0"	4'-8"	3'-6"		
14"					
12"					
10"					
8"					
6"					
4"					
TEE OR PLUG					
18"	10'-9"	4'-9"	3'-6"		
14"					
12"	8'-2"	3'-7"	2'-9"		
10"	7'-0"	3'-0"	2'-4"		
8"	5'-5"	2'-4"	1'-10"		
6"	4'-0"	2'-0"	1'-5"		
4"					
45° BEND					
22"	9'-0"	3'-9"	4'-4"		
18"	8'-3"	3'-6"	3'-6"		
14"					
12"	6'-3"	2'-6"	2'-8"		
10"					
8"	4'-2"	1'-9"	1'-10"		
6"					
22-1/2° BEND					
22"	4'-7"	2'-0"	4'-4"		
18"	4'-2"	2'-0"	3'-6"		
14"					
12"	3'-2"	2'-0"	2'-8"		
10"					
8"	2'-1"	2'-0"	1'-10"		
6"					
11-1/4° BEND					
22"	2'-4"	2'-0"	4'-4"		
18"	2'-1"	2'-0"	3'-6"		
14"					
12"	1'-6"	2'-0"	2'-9"		
8"	1'-6"	2'-0"	1'-10"		

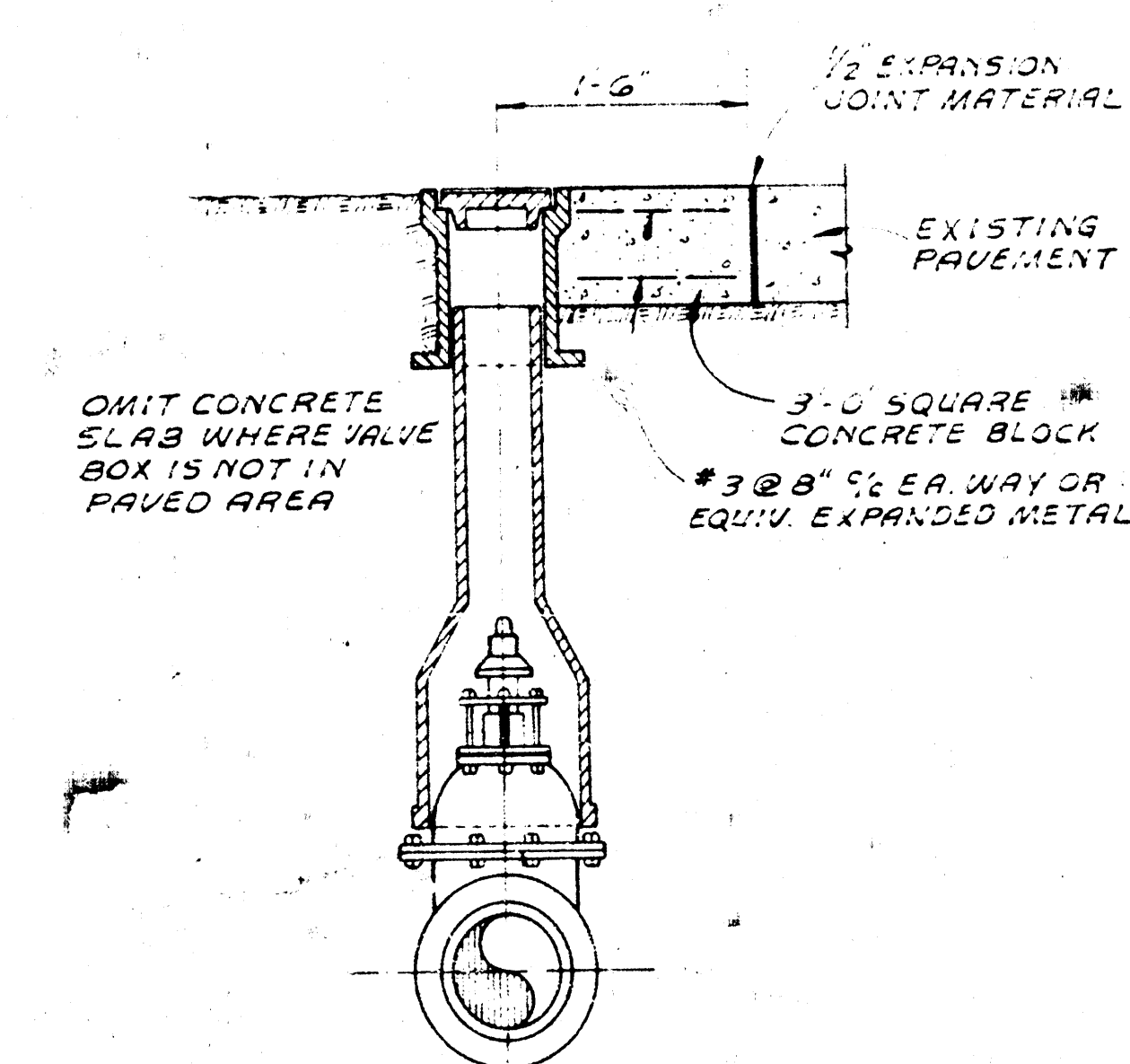


TYPICAL ANCHORED FIRE HYDRANT SETTING

NOT TO SCALE
NOTE: AT THE CONTRACTOR'S OPTION, LONG HYDRANT STUBS MAY BE CONSTRUCTED WITH RESTRAINED JOINT PIPE OR HYDRANT AND TEE AND MAY BE BLOKED.

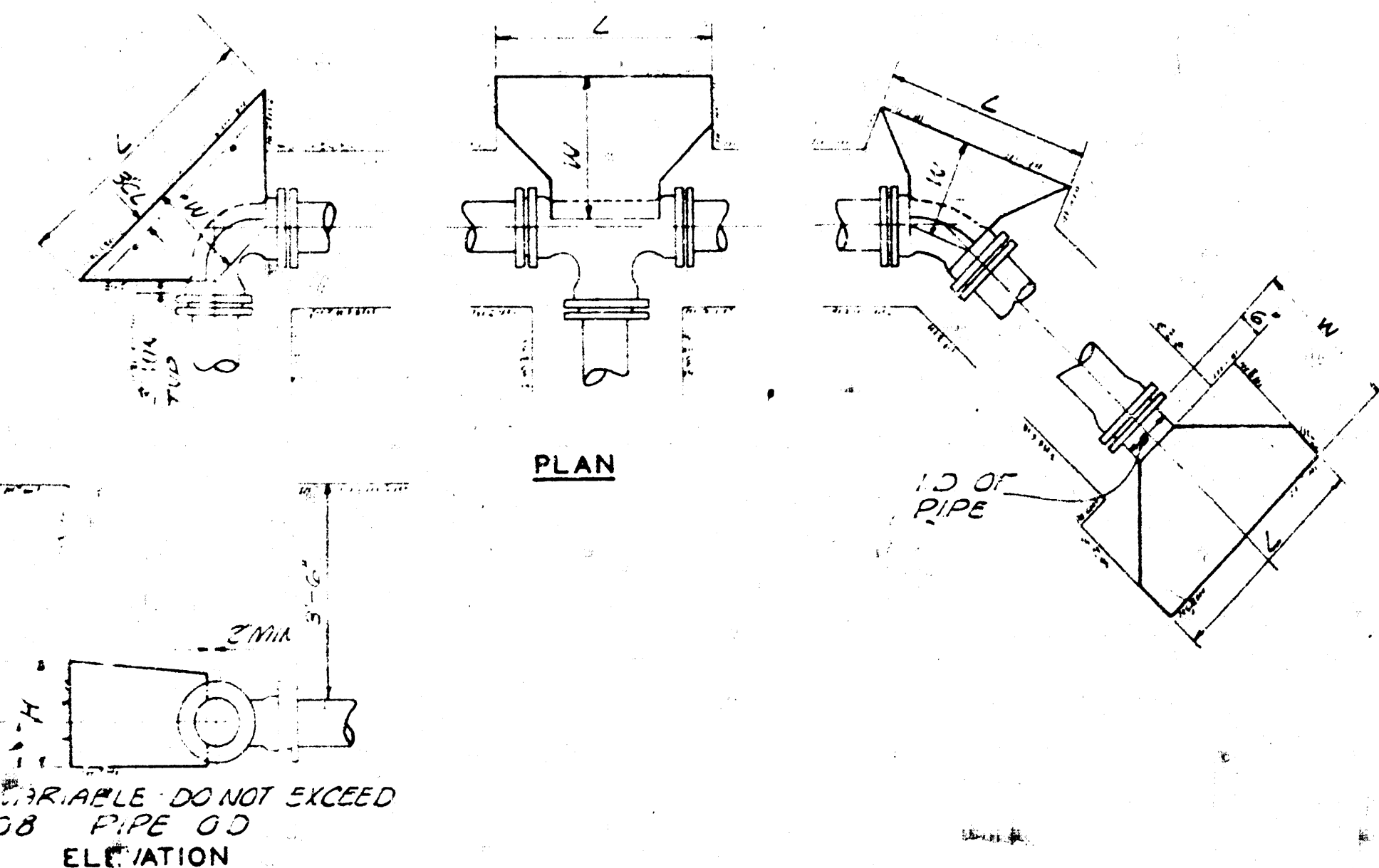


TYPICAL ANCHORAGE FOR 45°, 22-1/2° AND 11-1/4° VERTICAL BENDS

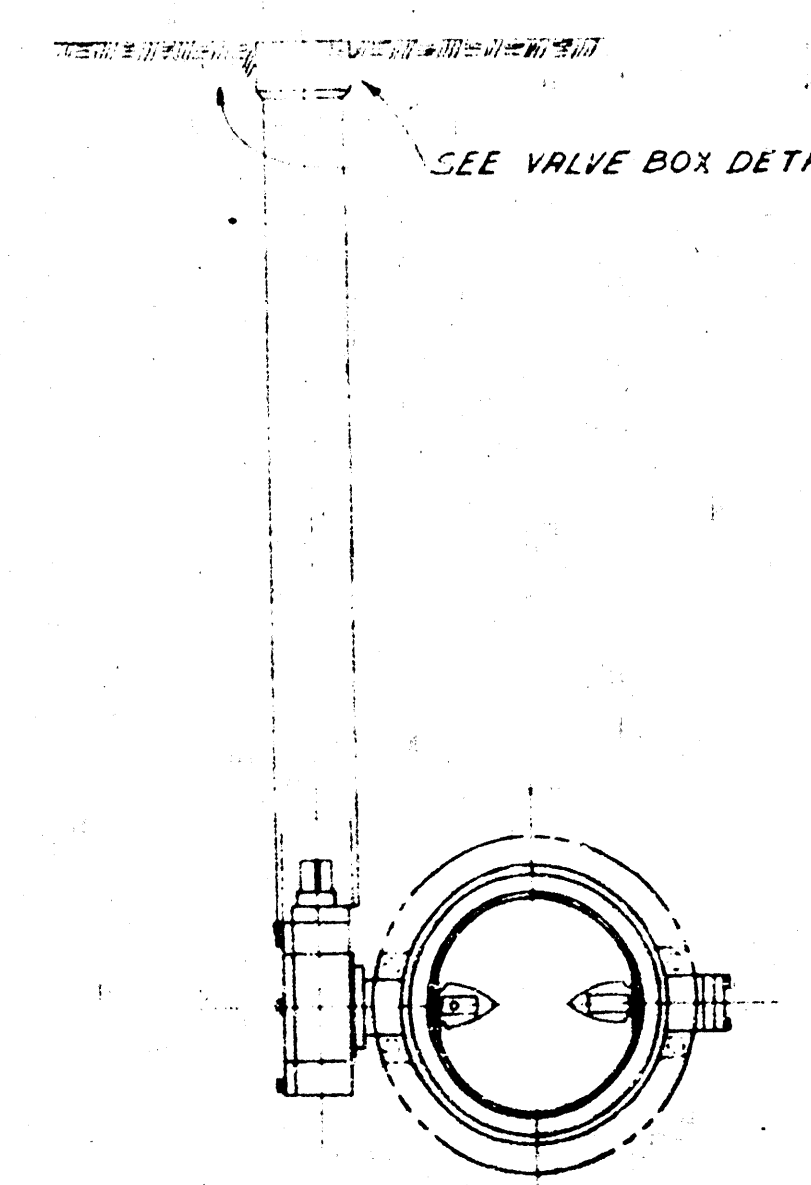


VALVE BOX DETAIL
NOT TO SCALE

RECORD DRAWING
OR GENERAL REFERENCE USE ONLY.
INDICATED INFORMATION MUST BE
VERIFIED BY SITE MEASUREMENTS.

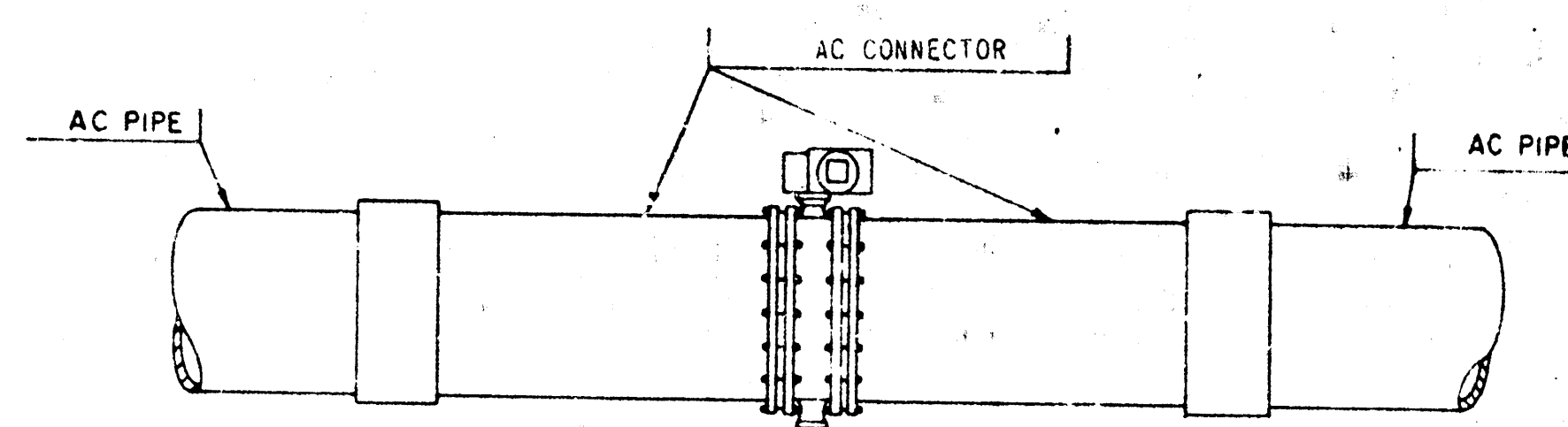


TYPICAL BLOCKING DETAIL
FOR CAST IRON FITTING
NOT TO SCALE

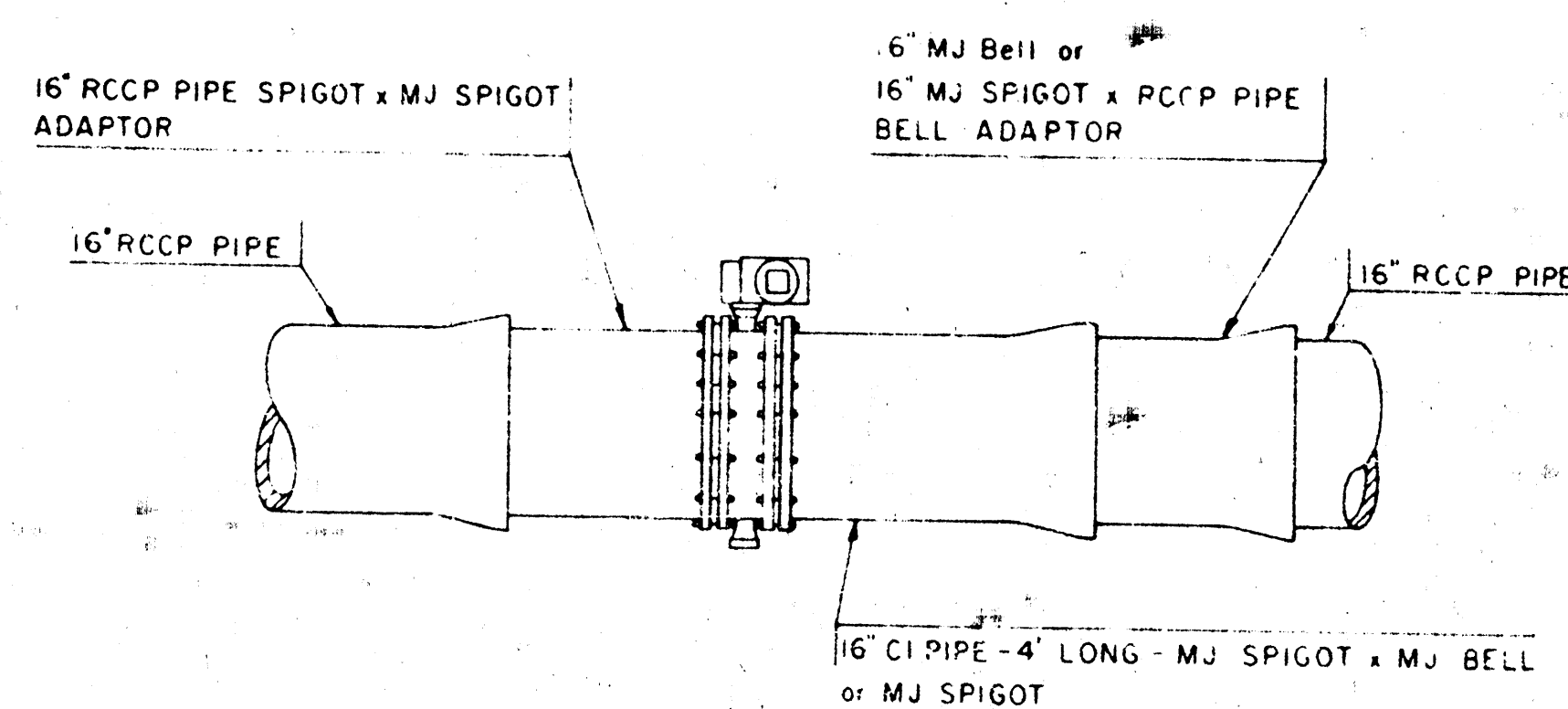


VALVE SETTING DETAIL
12" AND LARGER VALVES
(EXCEPT AS INDICATED)

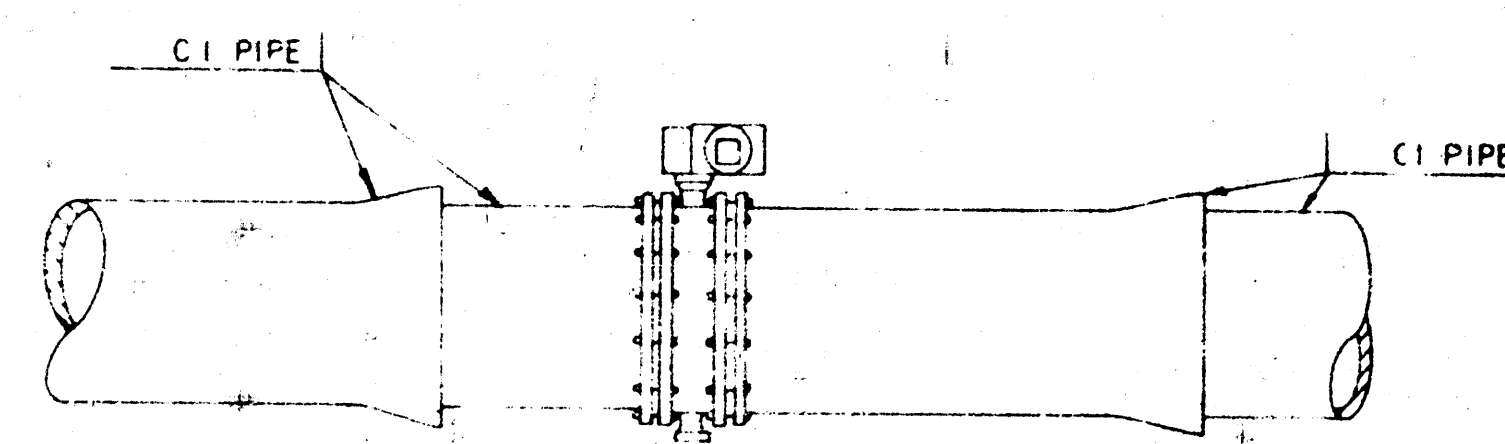
THE URBAN RENEWAL AGENCY WICHITA, KANSAS METROPOLITAN AREA UTILITY RELOCATIONS PARK PLANT "A" PROJECT KANSAS R-17 WATER MAIN DETAILS		WILSON ENGINEERS & ARCHITECTS WICHITA, KANSAS		MARCH 1969 69-6	
REVISED APPENDUM NO. 1		9 APR 69 DGG			
REVISION		DATE			



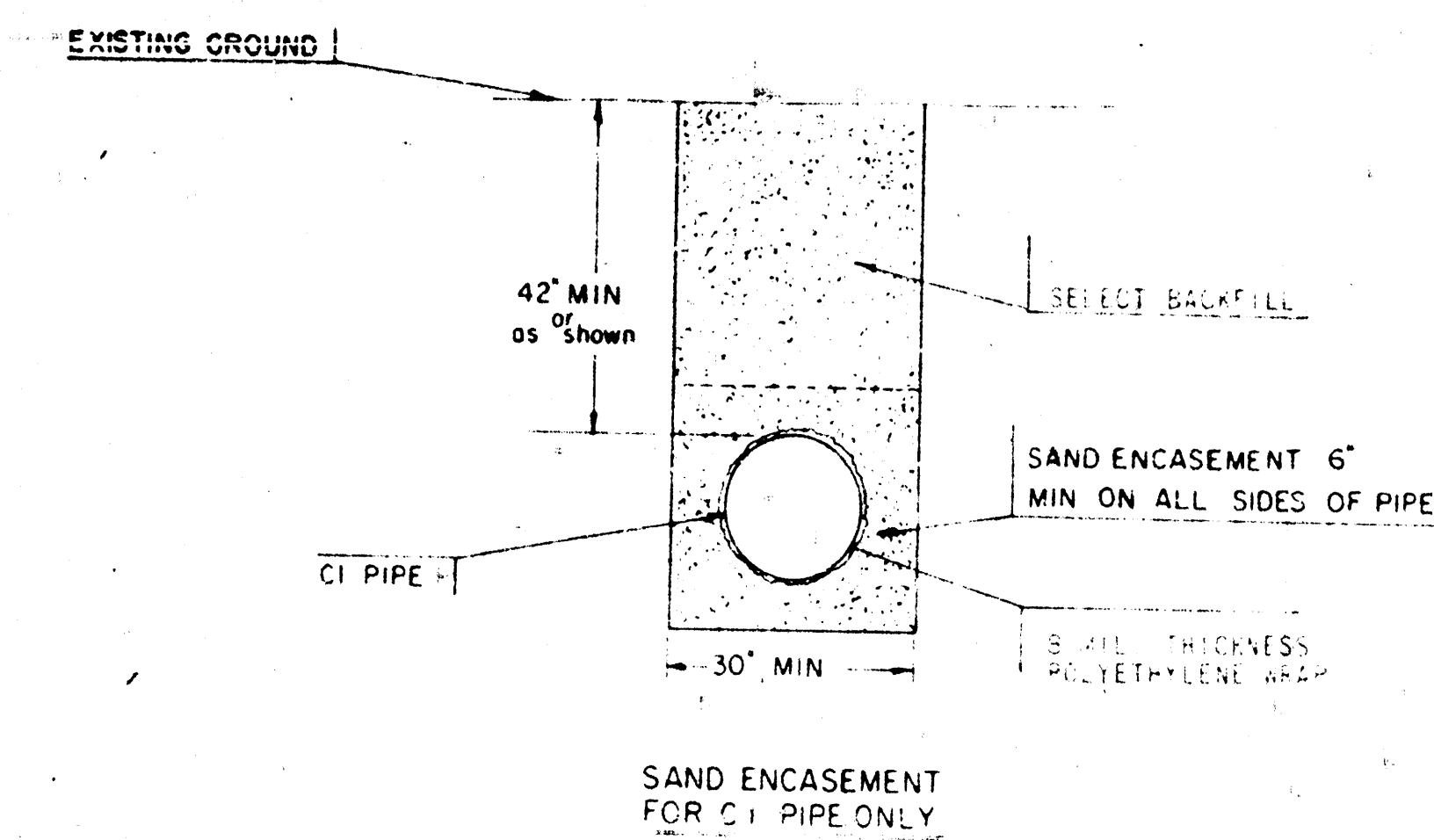
TYPICAL VALVE SETTING DETAIL IN AC PIPE LINE



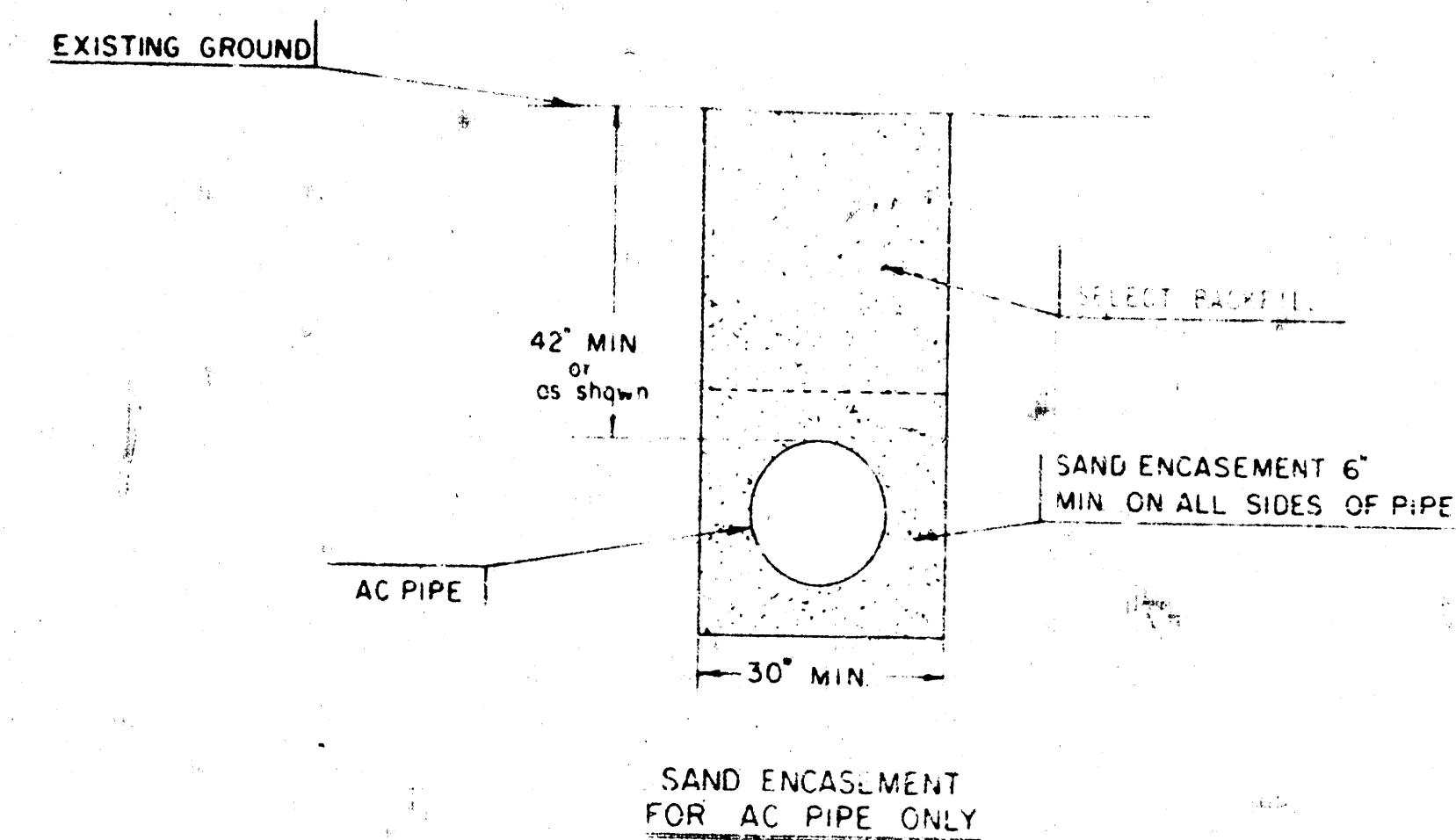
TYPICAL VALVE SETTING DETAIL IN RCCP PIPE LINE



TYPICAL VALVE SETTING DETAIL IN CI PIPE LINE



SAND ENCASMENT FOR CI PIPE ONLY



SAND ENCASMENT FOR AC PIPE ONLY

RECORD DRAWING
FOR GENERAL REFERENCE USE ONLY.
ADDITIONAL INFORMATION MUST BE
OBTAINED BY SITE MEASUREMENTS.

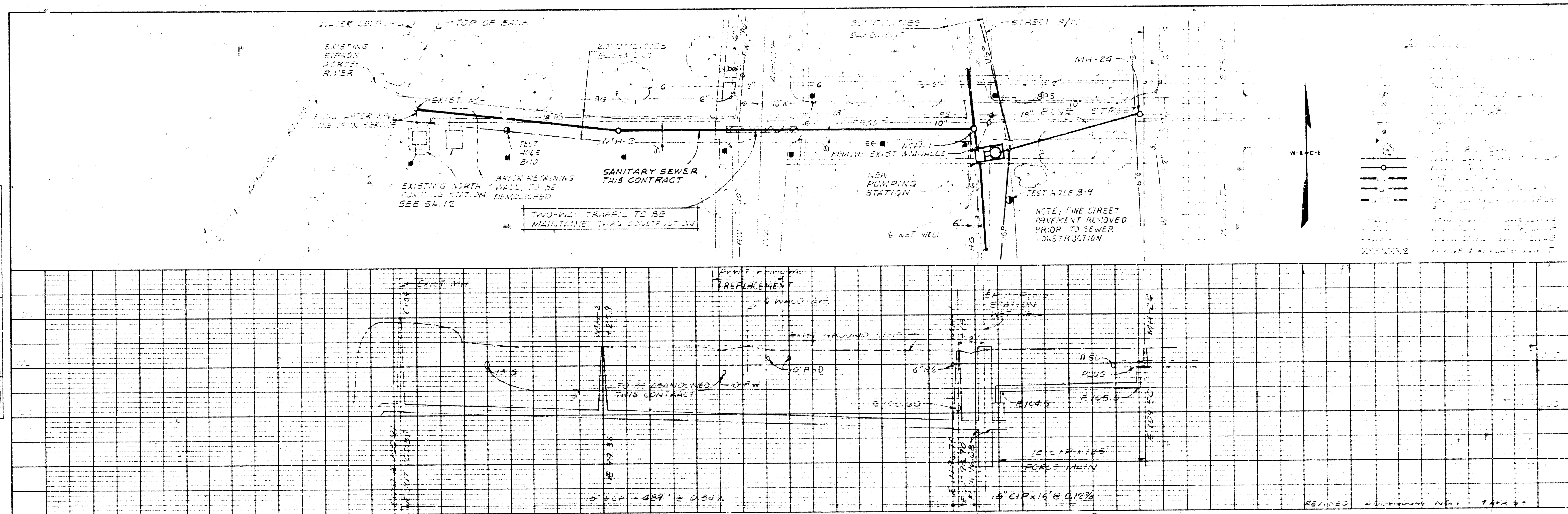
THE URBAN RENEWAL AGENCY
WICHITA, KANSAS METROPOLITAN -RCA
UTILITY RELOCATIONS
PARK PLAZA "A" PROJECT KANS. R-17
WATER MAIN DETAILS

WILSON
& COMPANY
ENGINEERS
ARCHITECTS
WICHITA KANSAS

MARCH 1969
NO.
69-6
10-8

REVISION	DATE	BY	CHKD

DATE	
BY	
PLAN	
SHOWN AS SHOWN NOTE BOOK NO.	



DATE	
BY	
PROFILE	
SHOWN AS SHOWN NOTE BOOK NO.	

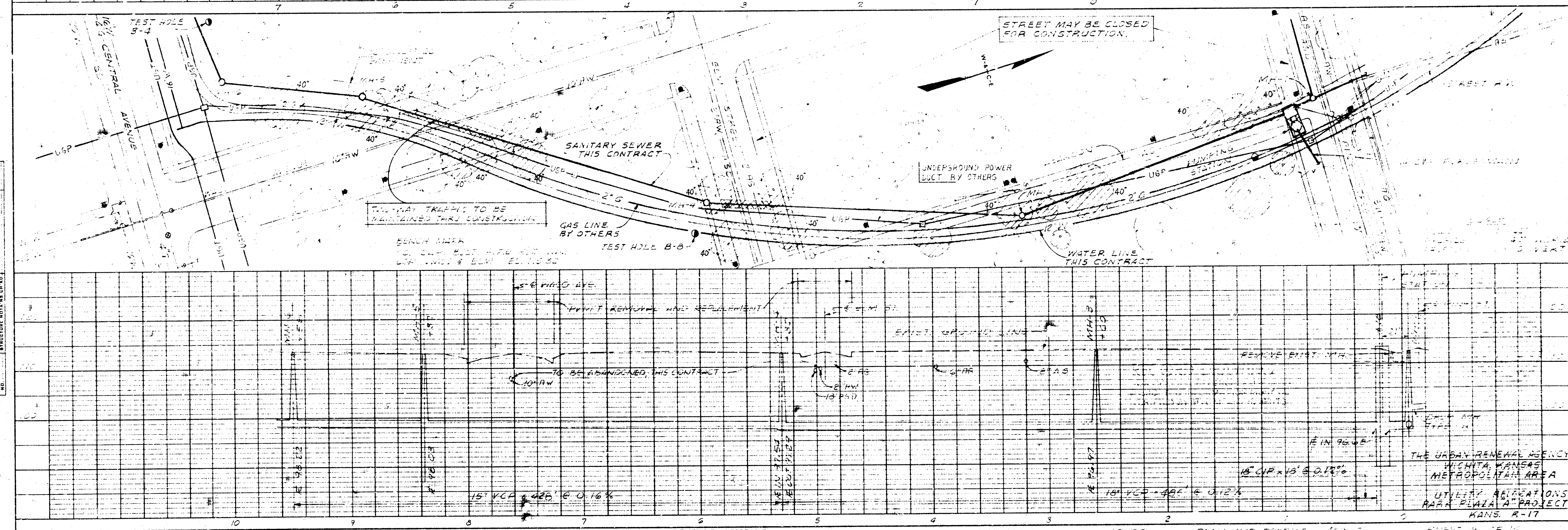
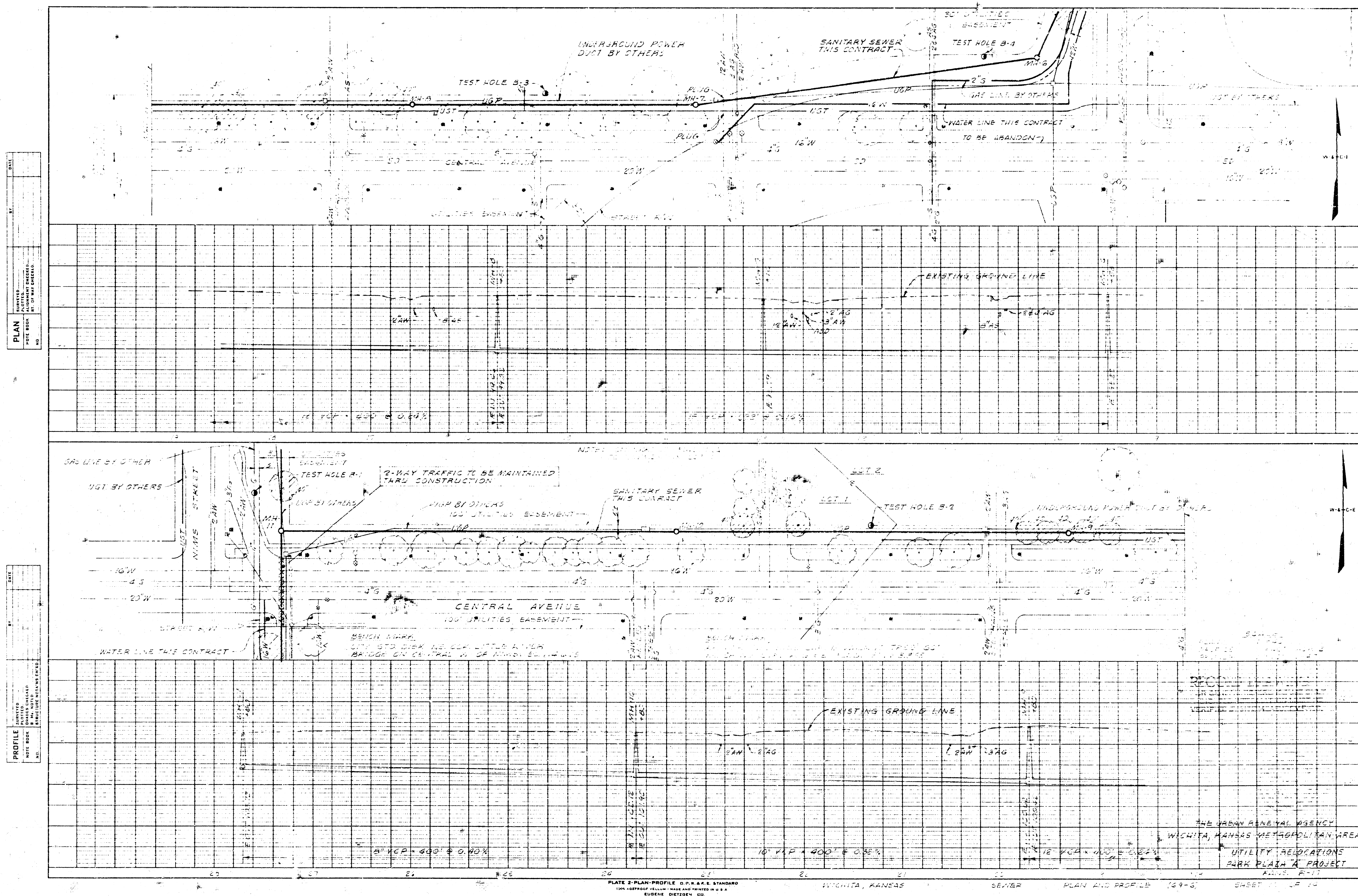
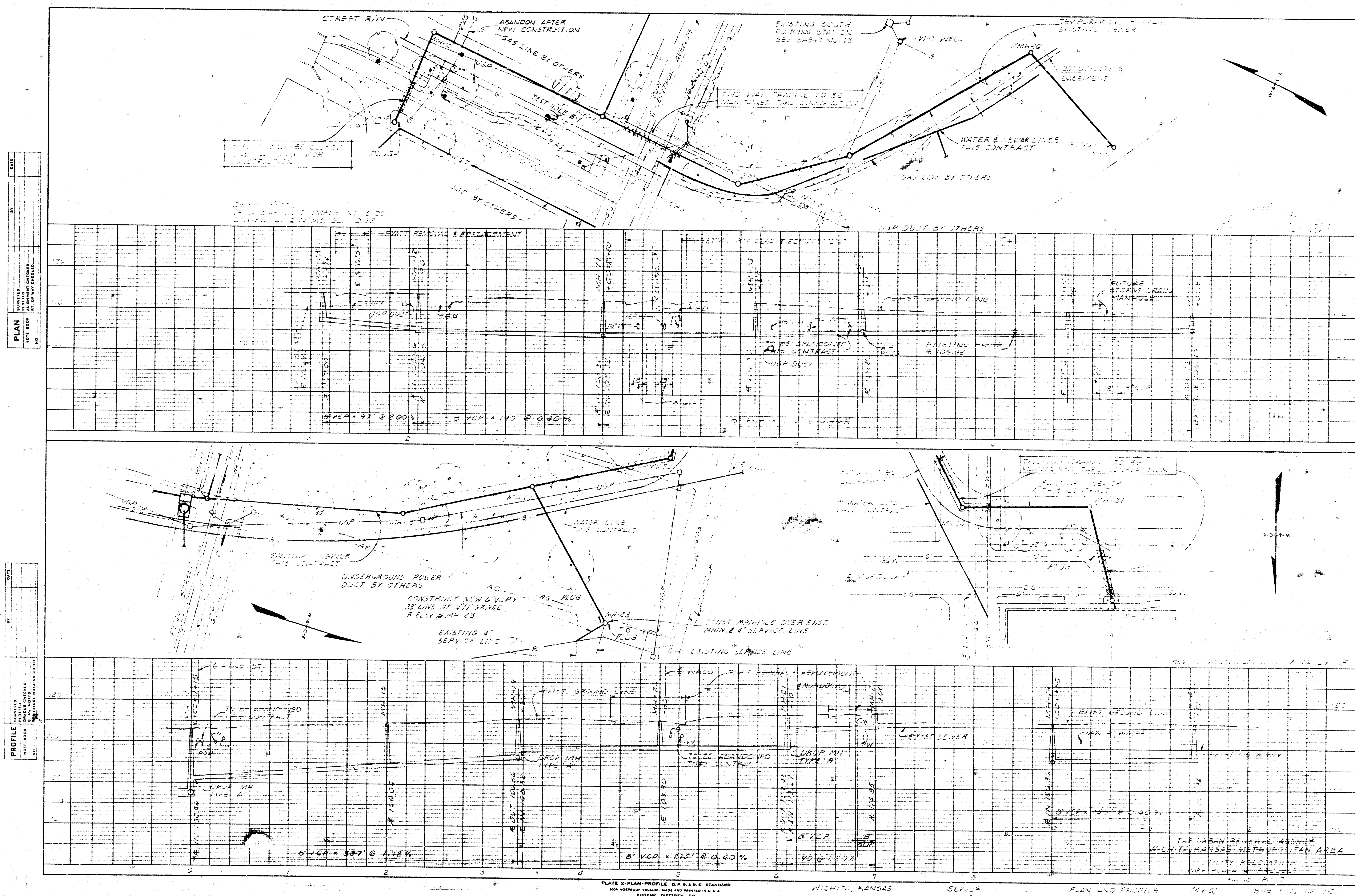


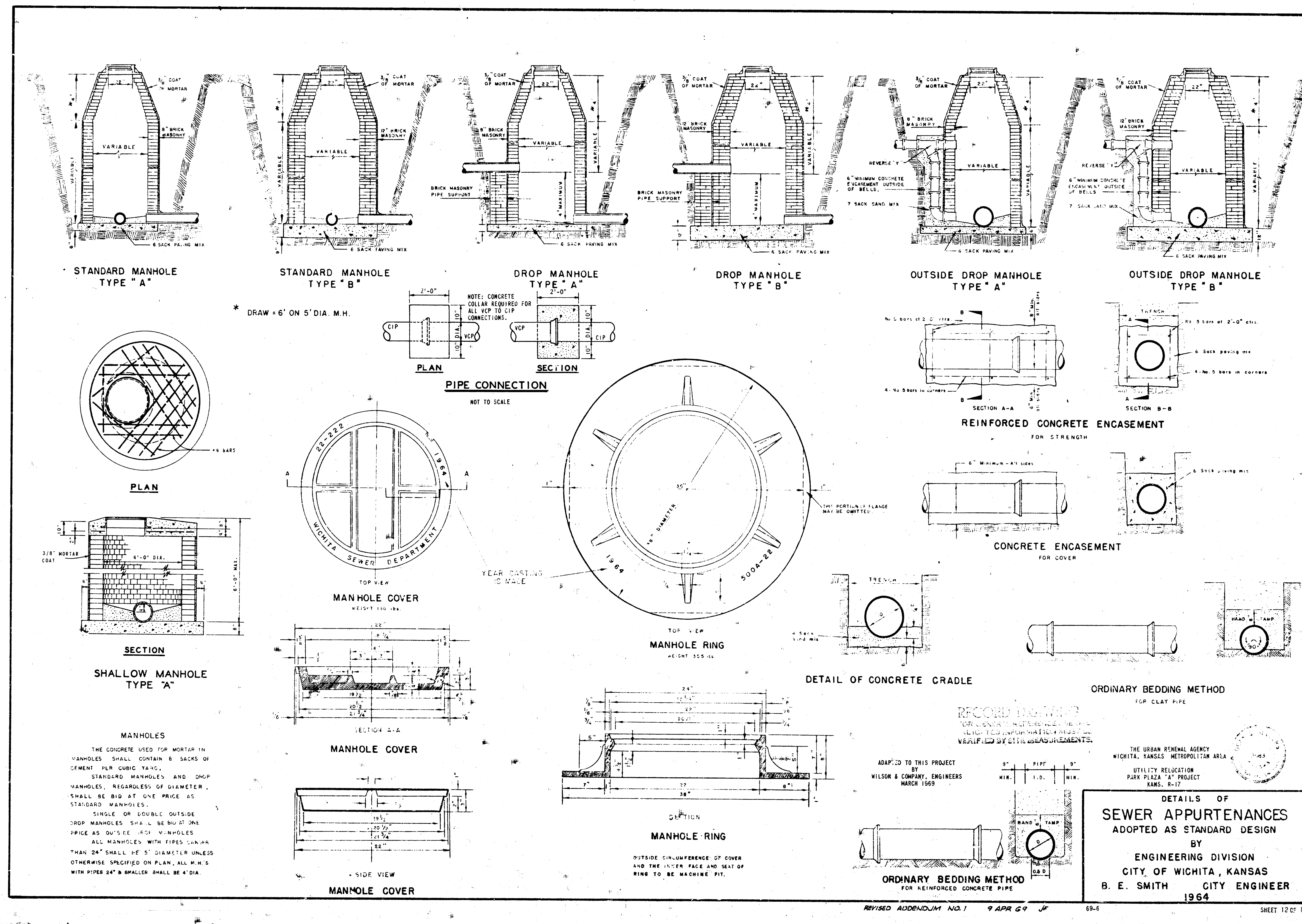
PLATE 2-PLAN-PROFILE S.P.R.E. STANDARD
 100% AS SHOWN
 EUGENE QUINN CO.

NICHITA, KANSAS
 SEWER
 PLAN AND PROFILE (S-1)
 SHEET 1 OF 14

THE URBAN RENEWAL AGENCY
 NICHITA, KANSAS
 METROPOLITAN AREA
 UTILITY RELOCATION
 AREA PHASE A PROJECT
 MAPS A-17







THE URBAN RENAISSANCE AGENCY
WICHITA, KANSAS METROPOLITAN AREA
UTILITY RELOCATION
PARK PLAZA "A" PROJECT
KANS. R-17

**DETAILS OF
SEWER APPURTENANCES
ADOPTED AS STANDARD DESIGN
BY
ENGINEERING DIVISION
CITY OF WICHITA, KANSAS
B. E. SMITH CITY ENGINEER
1964**

 WILSON & COMPANY ENGINEERS & ARCHITECTS WICHITA — KANSAS	DATE:	MARCH 1968
	FILE NO.	69-6
	SHEET NO. 12	
	OF 14	

