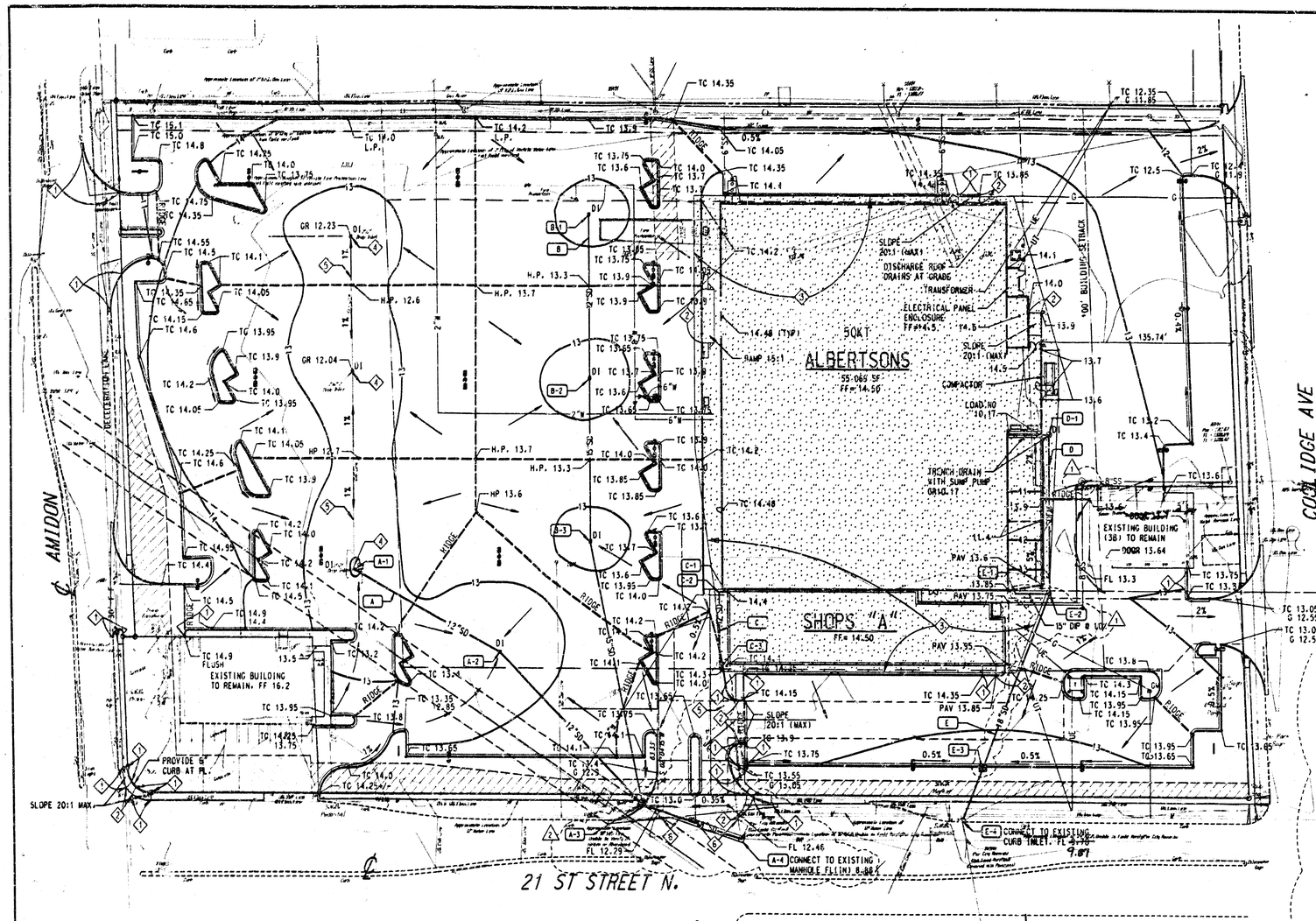


CONSTRUCTION NOTES:

1. VARY CURB HEIGHT 0"-6" (20:1 MAX. SIDEWALK SLOPE)
2. FLUSH CONDITION
3. EXCAVATE EXISTING FILL SOILS AND REPLACE WITH ENGINEERED FILL (APPROXIMATE BUILDING FOOTPRINT PLUS 5'). PROVIDE LOW VOLUME CHANGE MATERIAL FOR THE UPPER 12" UNDER THE FLOOR SLAB WHERE NOTED THUS [ ]
4. EXISTING DRAINAGE INLET TO REMAIN
5. EXISTING STORM DRAIN TO REMAIN
6. PLUG EXISTING STORM DRAIN TO BE ABANDONED WITH CONCRETE AT THESE LOCATIONS

NOTE TO CONTRACTOR:

INSPECTION AND TESTING FOR THIS PROJECT IS TO BE PROVIDED BY A LICENSED CONSULTING ENGINEERING FIRM UNDER CONTRACT WITH THE OWNER/DEVELOPER. SAID INSPECTION TO BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD CONSTRUCTION ENGINEERING PRACTICES AND CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER. NO WORK SHALL BE PERFORMED IN DEDICATED EASEMENTS OR THE PUBLIC RIGHT-OF-WAY BY THE CONTRACTOR WITHOUT SUCH INSPECTION NOR SHALL ANY WORK BE COMMENCED IN DEDICATED EASEMENTS OR PUBLIC RIGHT-OF-WAY WITHOUT WRITTEN AUTHORIZATION BY THE CITY ENGINEER.

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA:

SANITARY SEWERS _____
STORM SEWERS VRH 6/17/97
DRIVEWAY APPROACHES _____
WATER MAINS _____
PAVING _____

SANITARY SEWER AND STORM WATER SEWER EXTENSION TO SERVE AMIDON PLAZA ADDITION.
CITY OF WICHITA PRIVATE PROJECT NO: 708PPS(607861)
CITY ENGINEER: MICHAEL E. LINDEBAK, P.E.

GRADING AND STORM DRAIN NOTES:

1. ADD 1300 TO ALL FINISHED GRADES AND CONTOURS.
2. ALL EXISTING GROUND INFORMATION WAS OBTAINED BY A REGISTERED LAND SURVEYOR. NOTIFY ENGINEER IF EXISTING GROUND CONDITIONS ARE NOT REPRESENTATIVE IN THE FIELD.
3. NEW CONTOURS DENOTE TOP OF FINISHED PAVING OR GRADED AREA AS INDICATED. ALL SPOT ELEVATIONS ARE TO TOP OF CURB OR FINISHED GRADE. UNLESS NOTED OTHERWISE. REFER TO ARCHITECTURAL - PARTIAL SITE PLAN 1.0 FOR FINISHED FLOOR AND SIDEWALK SPOT ELEVATIONS.
4. ALL UTILITY LOCATIONS SHOWN ARE APPROXIMATE. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE AND TO FIELD VERIFY EXISTING UTILITIES.
5. ALL STORM DRAIN PIPE TO BE RCP CLASS V, 3000-D, UNO.
6. ALL STORM DRAIN PIPE LENGTHS ARE CALCULATED TO THE INSIDE FACE OF DRAINAGE STRUCTURES AND ROUNDED UP TO THE NEAREST FOOT.
7. ALL "STANDARD" REFERENCES REFER TO STATE OF KANSAS DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS
8. ALL "BROOKS" PRECAST CONCRETE DRAINAGE STRUCTURE ARE TO BE EQUIPPED WITH TRAFFIC GRATES AND MAY BE REPLACED BY "APPROVED" EQUIVALENT PRODUCTS.
9. ADJUST ALL MANHOLE RIMS AND VALVE BOXES TO FINISHED GRADE.
10. ALL CURBS ARE 6" HIGH, UNLESS NOTED OTHERWISE

GRADING AND STORM DRAIN LEGEND:

NEW	DESCRIPTION	EXISTING
	PROPERTY LINE	
	EASEMENT LINE	
15	FINISHED CONTOURS	1313
13.13	FINISHED SPOT ELEVATION (SPOT ELEVATION)	
TC 13.13	(TC = TOP OF CURB)	
G 13.13	(G = GUTTER)	
[13.13]	(FUTURE SPOT ELEVATION)	
10"SD	STORM DRAIN LINE	
	STORM DRAIN JUNCTION BOX WITH MANHOLE	
C.O.	CLEANOUT TO GRADE	
	CURB INLET	
	FLARED END SECTION	
0.8%	FLOW ARROW	
	RIDGE LINE	
FILL / CUT	DAYLIGHT LINE	
	DRAINAGE AREA LINE	
D1	GRATED DROP INLET	
	DITCH OR SWALE	

PROJECT BENCHMARK:
CITY OF WICHITA DISC ON S.E. CORNER OF THE LITTLE ARKANSAS RIVER BRIDGE LOCATED ON 21ST STREET NORTH.
ELEV. = 1313.71 MSL

NO.	DATE	DESCRIPTION
		REVISIONS
1	05/28/97	ASI NO. S-01, CLARIFICATION
2	05/14/97	CCD NO. S-01, CITY CORRECTIONS
3	04/16/97	ADDENDUM NO. S-01
	04/02/97	ISSUED FOR BID AND PERMIT
	2/14/97	ISSUED FOR REVIEW

BOOKED 9-2-99 B-246 MCA

AMIDON PLAZA ADDITION

WICHITA, KANSAS

GRADING AND DRAINAGE PLAN

'AS-BUILT' 10/28/97 BAUGHMAN CO. - DY

INSPECTED BY BAUGHMAN CO., P.A.
PROJ. # 708 PPS (607861)

Albertsons

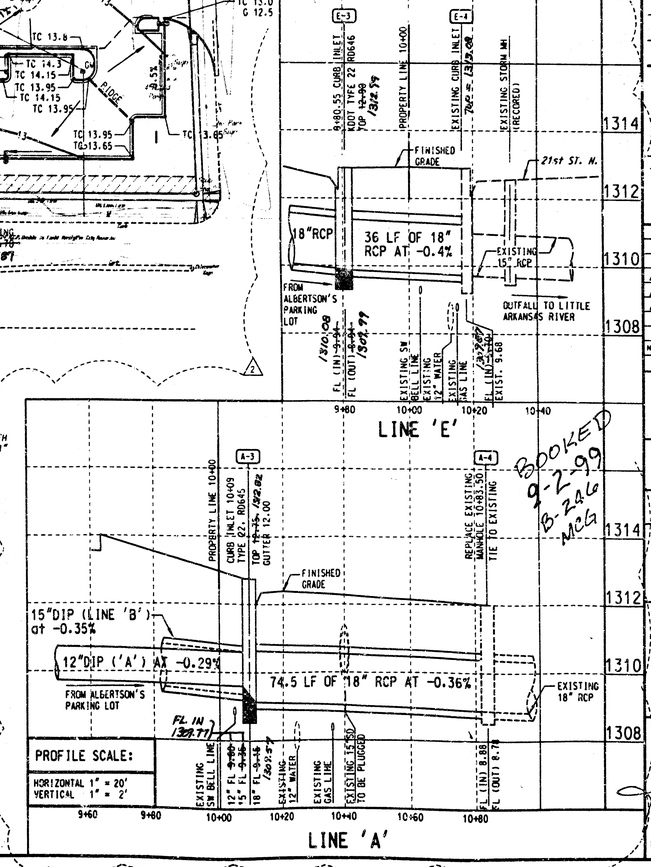
JOB NUMBER	27000038
DESIGNED BY:	HWF
DRAWN BY:	TM
APPROVED BY:	HWF
DATE:	2/14/97
PROTOTYPE	50KT
STORE NUMBER	2250
SHEET NUMBER	C311

HOWARD W. FLEMING JR. LICENSED PROFESSIONAL ENGINEER 13842 STATE OF KANSAS
HOWARD D. FLEMING JR., P.E. (LIC.13842)
ENGINEER OF RECORD

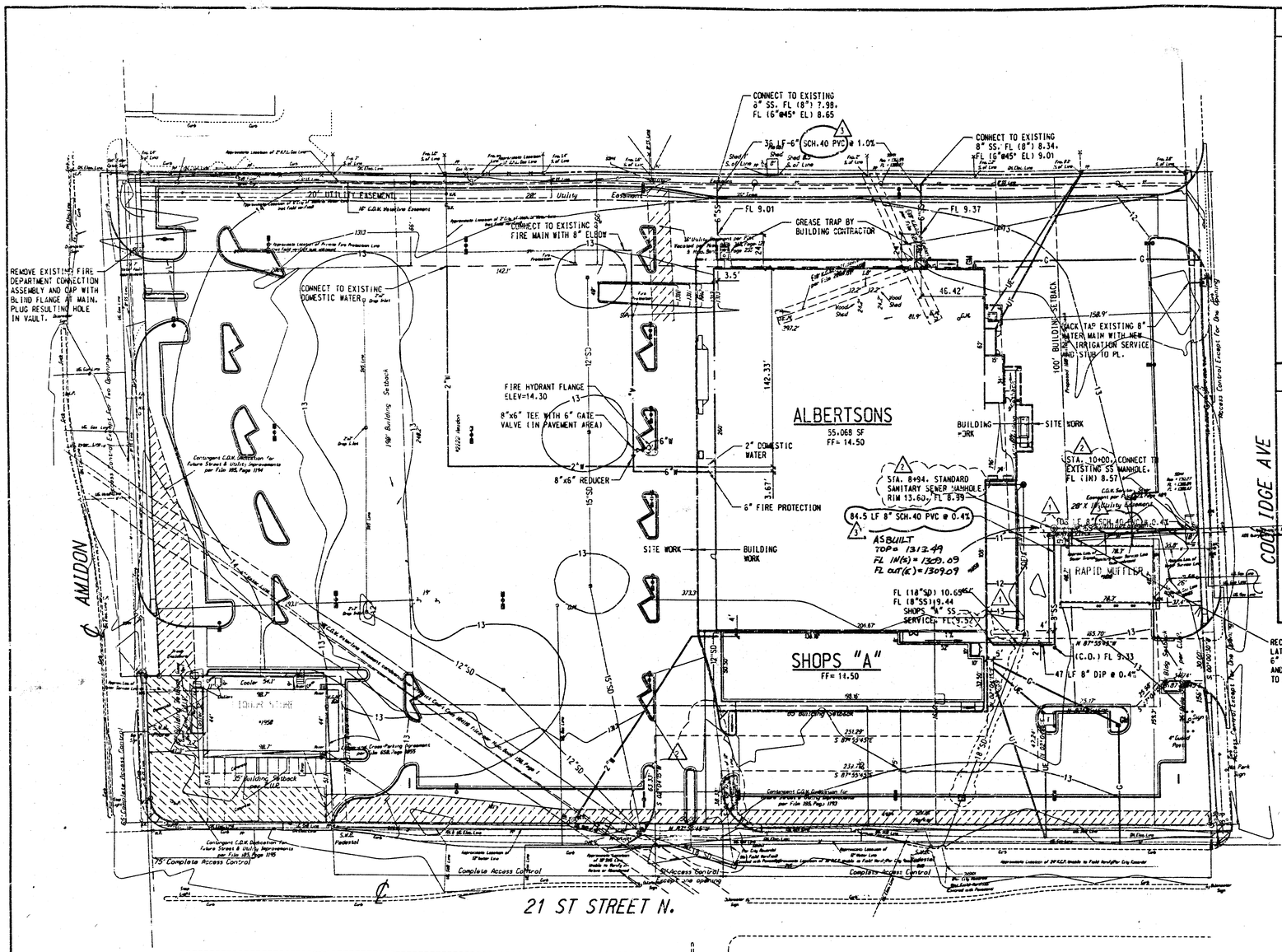
SUMMARY OF DRAINAGE STRUCTURES:

NOTE: COORDINATES SHOWN ARE TO CENTER OF STRUCTURE, EXCEPT IN THE CASE OF CURB INLETS WHERE COORDINATES ARE TO THE FACE OF CURB

LINE	UPSTREAM POINT	DESCRIPTION	STANDARD DESIGN REFERENCE	LOCATION (COORDINATES)	UPSTREAM POINT F.O.FLINE ELEVATION IN	UPSTREAM POINT F.O.FLINE ELEVATION OUT	TOP OR SURFACE ELEVATION	DOWNSTREAM POINT	PIPE LENGTH (IN LF)	PIPE SIZE AND MATERIAL	PIPE CLASS	PIPE SLOPE	COMMENTS
A	A-1	GRATED DROP INLET	EXISTING	EXISTING	10.35	10.35	11.79	A-2	118	12" DIP	50	0.29%	CONNECT TO EXISTING DROP INLET
A	A-2	GRATED DROP INLET	BROOKS 2424	N 5145.68 E 8303.42	9.84	9.84	11.99	A-3	144	12" DIP	50	0.29%	
A	A-3	TYPE 22 RADIUS CURB INLET	RD646	N 5042.72 E 8406.46	9.60	9.15	12.75	A-4	75	18" DIP	50	0.36%	W=4', L=6'
A	A-4	EXISTING MANHOLE	N/A	EXISTING	8.88	8.78	12.00	EXISTING	EXISTING	18" RCP	EXISTING	EXISTING	TIE TO EXISTING MANHOLE
B	B-1	GRATED DROP INLET	BROOKS 2424	N 5440.43 E 8369.45	N/A	11.00	12.70	B-2	110	12" DIP	50	0.35%	
B	B-2	GRATED DROP INLET	BROOKS 2424	N 5330.43 E 8369.45	10.61	10.36	12.70	B-3	110	15" DIP	50	0.35%	
B	B-3	GRATED DROP INLET	BROOKS 2424	N 5220.43 E 8369.45	9.98	9.96	12.70	A-3	180	15" DIP	50	0.35%	
C	C-1	SHOPS "A" ROOF DRAIN CONNECTION	N/A	N 5146.74 E 8465.57	N/A	11.49	14.40	C-2	3	12" DIP	50	2.0%	
C	C-2	CLEANOUT TO GRADE	RE: 14/C202	N 5186.74 E 8461.03	11.43	11.43	14.35	C-3	45	12" DIP	50	0.50%	
C	C-3	12" CONCRETE COLLAR)	N/A	N 5135.01 E 8461.03	10.50	10.50	13.80	EXISTING	116	12" RCP	EXISTING	EXISTING	CONNECT TO EXISTING 12"
D	D-1	SUMP PUMP MANHOLE	RE: MECH. PLAN	N 5293.57 E 8696.78			13.77	E-2	103	4"	50		FORCE MAIN
E	E-1	ALBERTSON'S ROOF DRAIN CONN.	N/A	N 5186.35 E 8672.78	N/A	11.20	13.85	E-2	24	15" DIP	50	1.0%	
E	E-2	GRATED DROP INLET	BROOKS 2424	N 5186.35 E 8696.78	10.96	10.71	13.55	E-3	128	18" RCP	W. 3000-D	0.60%	HYDRAULIC RELIEF STRUCTURE
E	E-3	TYPE 22 CURB INLET	RD646	N 5069.93 E 8648.01	9.94	9.74	12.90	E-4	36	18" RCP	W. 3000-D	0.40%	W=5', L=5'
E	E-4	CURB INLET	EXISTING	EXISTING	9.70	9.68	12.95	EXISTING	EXISTING	18" RCP	EXISTING	EXISTING	DRAINS EAST TO LITTLE ARKANSAS RIVER



MICROFILMED



1 / C401 UTILITY PLAN
SCALE: 1" = 40'

UTILITY NOTES:

1. THE PURPOSE OF THIS PLAN IS TO PROVIDE WATER AND SEWER DESIGN, AS WELL AS TO SHOW ALL UTILITIES (WET & DRY) ON ONE PLAN FOR COORDINATION PURPOSES AND TO DEFINE LIMITS OF CONSTRUCTION RESPONSIBILITY. REFER TO THE IRRIGATION PLAN FOR DIAGRAMMATIC WATER LINES AND SLEEVING NOT SHOWN ON THIS DRAWING.
2. ALL CONDUITS AND SLEEVES TO BE SCHEDULE 40 PVC, UNO.
3. CONTRACTOR SHALL COORDINATE ALL UTILITY CONNECTION POINTS WITH BUILDING CONTRACTOR.
4. ADD 1300 TO ALL CONTOUR AND SPOT ELEVATIONS
5. THE CONSTRUCTION OF THE GREASE TRAP AND WASTE LINE TO TIE INTO THE SERVICE LINE ARE PART OF THE BUILDING CONTRACT.
6. MINIMUM DEPTHS OF COVER:

WATER LINES	- 3.0'
PVC SS	- 5.0'
DIP SS	- 0.5'
TELEPHONE	- 2.0'
GAS	- 2.0'
ELECTRIC	- 3.5'

7. ALL NEW AND EXISTING MANHOLE RIMS, CLEANOUTS, VALVE AND METER BOXES IN AFFECTED AREAS SHALL BE ADJUSTED TO FINISHED GRADE.
8. THE CONTRACTOR SHALL FURNISH ALL NECESSARY BONDS, PAY PERMIT AND INSPECTION FEES AND OBTAIN ALL PERMITS.
9. RESTORE ALL DISTURBED AREAS IN THE PUBLIC RIGHT-OF-WAY IN KIND: SOD SHALL BE USED FOR TURF AREAS.

WATER NOTES:

FIRE DEPARTMENT REQUIREMENTS (NOTE: THE FOLLOWING ARE MINIMUM REQUIREMENTS. PROJECT REQUIREMENTS MAY EXCEED THOSE NOTED BELOW)

1. ALL UNDERGROUND, STANDPIPE AND SPRINKLER PIPING TO BE TESTED TO 200 PSI FOR 2 HOURS.
2. NOTIFY THE FIRE DEPARTMENT OF THE 200# TEST AT LEAST 24 HOURS PRIOR TO THE TEST
3. ANY DEFICIENCY NOTED DURING ANY REQUIRED INSPECTIONS SHALL BE CORRECTED BEFORE THE PROJECT IS SIGNED OFF, REGARDLESS IF IT WAS NOTED ON THE PLANS REVIEW OR NOT.
4. ALL UNDERGROUND FIRE PROTECTION MAINS SHALL COMPLY WITH WITH THE CITY OF WICHITA STANDARD NUMBER 14533 FOR THE INSTALLATION OF WATER DISTRIBUTIONS SYSTEMS. CONTACT ROB YOUNKIN IN ENGINEERING, 268-4450.
7. ALL WORK, ABOVE AND BELOW GROUND, SHALL BE PERFORMED BY A CITY OF WICHITA LICENSED CONTRACTOR. ALL REQUIRED PERMITS AND BONDS SHALL BE PROVIDED BY THE INSTALLATION CONTRACTOR. ALL PIPING, ABOVE GROUND AND BELOW GROUND SHALL BE INSPECTED BEFORE COVERING.
8. HYDRANTS SHALL COMPLY WITH CITY OF WICHITA SPECIFICATION FOR FIRE HYDRANTS.

COMPOSITE UTILITY LEGEND:

NEW	DESCRIPTION	EXISTING
	PROPERTY LINE	
24"SD	STORM DRAIN LINE	
	STORM DRAIN JUNCTION BOX WITH MANHOLE	
	CURB INLET	
	HEADWALL	
8"SS	SANITARY SEWER LINE (DIRECTION OF FLOW INDICATED)	
	SANITARY SEWER MANHOLE	
C.O.	CLEANOUT	
	STUB-OUT CONNECTION	
	GREASE INTERCEPTOR	
6"W	WATER LINE	
	GATE VALVE	
	FIRE HYDRANT	
WM	WATER METER	
	LIGHT POLE	
G	GAS LINE	
GM	GAS METER	
OHE	OVERHEAD ELECTRICAL LINE	
E	UNDERGROUND ELECTRICAL DUCTBANK	
	TRANSFORMER	
T	UNDERGROUND TELEPHONE	
CO	CONDUIT ONLY	
OHT	OVERHEAD TELEPHONE	
	ELECTRICAL PULL BOX	
[12.34]	FUTURE ELEVATION	

PROJECT BENCHMARK:
CITY OF WICHITA DISC ON S.E. CORNER OF THE LITTLE ARKANSAS RIVER BRIDGE LOCATED ON 21ST STREET NORTH. ELEV. = 1313.71 MSL

NO.	DATE	DESCRIPTION
4	06/06/97	CCO NO. S-02. REV'D MATERIAL
3	05/14/97	CCO NO. S-01. CITY CORRECTIONS. UPDATED TOPO
2	04/16/97	ADDENDUM NO. S-2I
1	04/02/97	ISSUED FOR BID AND PERMIT
	2/14/97	ISSUED FOR REVIEW

REVISIONS

2 NOTE TO CONTRACTOR:

INSPECTION AND TESTING FOR THIS PROJECT IS TO BE PROVIDED BY A LICENSED CONSULTING ENGINEERING FIRM UNDER CONTRACT WITH THE OWNER/DEVELOPER. SAID INSPECTION TO BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD CONSTRUCTION ENGINEERING PRACTICES AND CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER. NO WORK SHALL BE PERFORMED IN DEDICATED EASEMENTS OR THE PUBLIC RIGHT-OF-WAY BY THE CONTRACTOR WITHOUT SUCH INSPECTION NOR SHALL ANY WORK BE COMMENCED IN DEDICATED EASEMENTS OR PUBLIC RIGHT-OF-WAY WITHOUT WRITTEN AUTHORIZATION BY THE CITY ENGINEER.

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA:

SANITARY SEWERS ~~V.R.H. 6/17/97~~
STORM SEWERS
DRIVEWAY APPROACHES
WATER MAINS
PAVING

SANITARY SEWER AND STORM WATER SEWER EXTENSION TO SERVE AMIDON PLAZA ADDITION.
CITY OF WICHITA PRIVATE PROJECT NO: 708PPS(607861)
CITY ENGINEER: MICHAEL E. LINDEBAK, P.E.

Booked P-33 10/20/98 RDC

PLAN NORTH
TRUE NORTH 2°2'20.04"
0 40 80 120
GRAPHIC SCALE: 1" = 40'

AMIDON PLAZA ADDITION

WICHITA, KANSAS

UTILITY PLAN

'ASBUILT' 8/12/97 DH

ASBUILT / INSPECTION BY BAUGHMAN CO. PROJ. # 708 PPS (607861)

Albertsons

JOB NUMBER 21000038	PROTOTYPE SCHT
DESIGNED BY: HWF	STORE NUMBER 2250
DRAWN BY: TH	
APPROVED BY: HWF	
DATE: 2/14/97	
SHEET NUMBER	C401

HOWARD W. FLEMING JR., P.E. (LIC.13842) ENGINEER OF RECORD

Booked