

STORMWATER IMPROVEMENTS FOR: WAL-MART SUPERCENTER #3283-00 WICHITA, KANSAS

21st STREET AND MAIZE ROAD

CITY OF WICHITA - PRIVATE PROJECT #1036PPS (607861)

GENERAL NOTES:

- A. TOPOGRAPHIC BOUNDARY SURVEY, INCLUDING PROPERTY LINES, LEGAL DESCRIPTION, EXISTING UTILITIES, SITE TOPOGRAPHY WITH SPOT ELEVATIONS, OUTSTANDING PHYSICAL FEATURES AND EXISTING STRUCTURE LOCATIONS WAS PROVIDED BY THE FOLLOWING COMPANY, AS A CONTRACTOR TO THE SELLER/OWNER:

TOPOGRAPHY: DAUGHMAN COMPANY, P.A.
BOUNDARY: 315 ELLIS
WICHITA, KANSAS 67211
(316) 262-7271

CEI ENGINEERING AND ITS ASSOCIATES WILL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF THE SURVEY OR FOR DESIGN ERRORS OR OMISSIONS RESULTING FROM SURVEY INACCURACIES.

- B. ALL PHASES OF SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE OWNER / DEVELOPER SITE WORK SPECIFICATIONS.

- C. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF EXISTING STRUCTURES, RELATED UTILITIES, PAVING, UNDERGROUND STORAGE TANKS AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED. SEE SITE WORK SPECIFICATIONS.

- D. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT CONSTRUCTION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.

- E. THE GENERAL CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT.

- F. **WARRANTY DISCLAIMER:**
THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER THE ENGINEER NOR ITS PERSONNEL CAN OR DO WARRANT THESE DESIGNS OR PLANS AS CONSTRUCTED EXCEPT IN THE SPECIFIC CASES WHERE THE ENGINEER INSPECTS AND CONTROLS THE PHYSICAL CONSTRUCTION ON A CONTINGENT BASIS AT THE SITE.

- G. **SAFETY NOTICE TO CONTRACTOR:**
IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. ANY CONSTRUCTION OBSERVATION BY THE ENGINEER OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE.

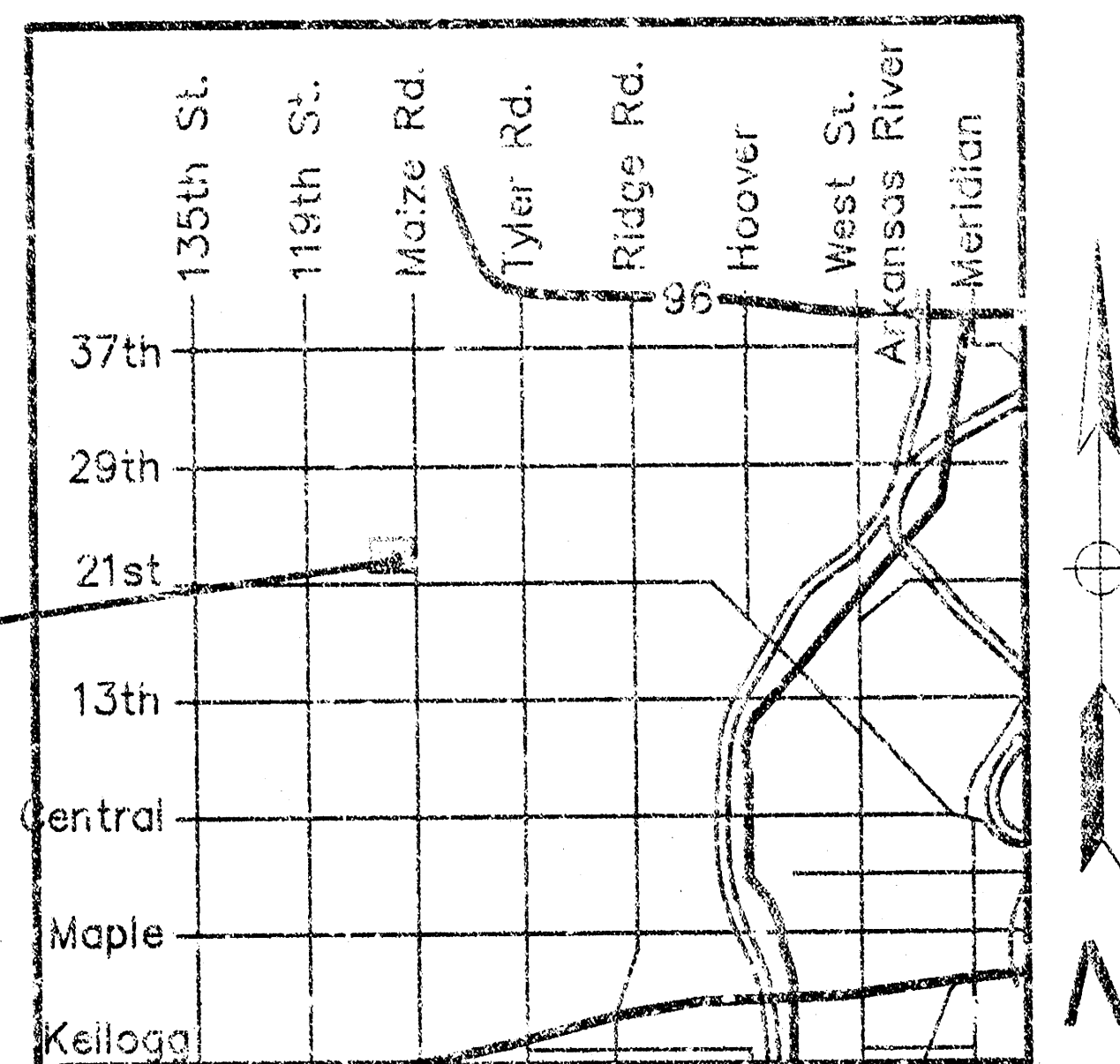
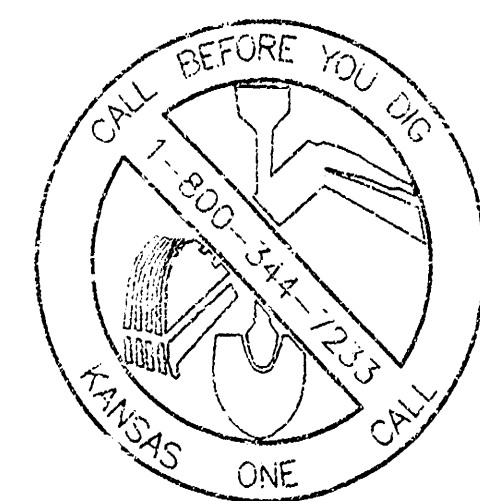
- H. **INSPECTION SERVICES:**
UPON WRITTEN REQUEST RESIDENT ENGINEERING SERVICES SHALL BE PROVIDED BY THE ENGINEERS (ON A TIME AND FREQUENCY BASIS) ACCEPTABLE TO THE CITY ENGINEER FOR IMPROVEMENTS TO PUBLIC WATER MAINS AND PRIVATE STORM DRAIN SYSTEM. AT THE COMPLETION OF CONSTRUCTION, THE ENGINEER SHALL CERTIFY THE CONSTRUCTION TO BE IN COMPLIANCE WITH THE PLANS AND SPECIFICATIONS. THIS WORK WILL BE AT THE OWNER/DEVELOPER'S DIRECT EXPENSE AND SHALL BE COORDINATED WITH CEI ENGINEERING ASSOCIATES, INC. IT WILL BE THE CONSTRUCTION CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE RESIDENT ENGINEER OF ANY PRECONSTRUCTION / CONSTRUCTION CONFLICTS AND ANY PUBLIC CONSTRUCTION 24 HOURS PRIOR TO SAID ACTION.

WETLANDS CERTIFICATION:

THIS PROJECT DOES NOT REQUIRE A DEPARTMENT OF THE ARMY SECTION 404 PERMIT PER A DETERMINATION ON APRIL 10, 2000 BY THE U.S. ARMY CORPS OF ENGINEERS KANSAS CITY DISTRICT.

FLOOD CERTIFICATION:

THIS PROPERTY IS NOT LOCATED WITHIN ANY PRESENTLY ESTABLISHED 100-YEAR FLOOD PLAIN, AS SHOWN BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FLOOD INSURANCE RATE MAP FOR THE COUNTY OF SEDGWICK, COMMUNITY PANEL NUMBER 200321 0125A EFFECTIVE DATE JUNE 3, 1986.



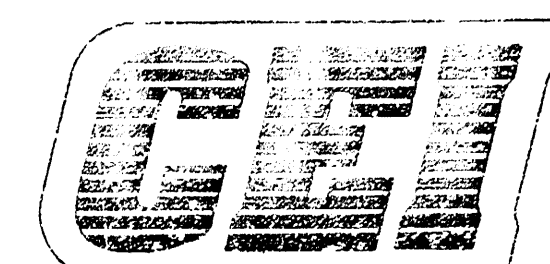
Vicinity Map
NOT TO SCALE

PLAN INDEX:

1. COVER SHEET
2. STORMWATER PLAN
3. STORMWATER PLAN
4. DETAIL SHEET

NOTICE TO BIDDERS:

ALL QUESTIONS REGARDING THE PREPARATION OF THE GENERAL CONTRACTOR'S BID SHALL BE DIRECTED TO THE OWNER'S CONSTRUCTION DEPARTMENT AT (301) 273-8361. SUBCONTRACTORS MUST DIRECT THEIR QUESTIONS THROUGH THE GENERAL CONTRACTOR. THE CONSULTING ARCHITECT AND/OR THE CONSULTING ENGINEER SHALL NOT BE CONTACTED DIRECTLY WITHOUT PRIOR AUTHORIZATION FROM THE OWNER/DEVELOPER.



ENGINEERING
ASSOCIATES, INC.

ENGINEERS • PLANNERS • SURVEYORS

110 W. Central Ave.
Bentonville, AR 72712

(501) 273-9472
FAX (501) 273-0844

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

SANITARY SEWERS _____

STORM SEWERS VRH 8/30/00

DRIVEWAY APPROACHES _____

WATER MAINS _____

PAVING _____

NOTE TO CONTRACTORS
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 SPECIFICATIONS. THE PROFESSIONAL ENGINEER, NO WORK SHALL BE PERFORMED IN DEDICATED EASEMENTS OR THE PUBLIC RIGHT-OF-WAY BY THE CONTRACTOR WITHOUT SUCH INSPECTION NEW SHALL ANY WORK BE PERFORMED IN DEDICATED EASEMENTS OR PUBLIC RIGHT-OF-WAY WITHOUT WRITTEN AUTHORIZATION BY THE CITY ENGINEER.

RESOURCE LIST:

CITY OF WICHITA
PRINCIPAL PLANNER
DORINA GOLTRY
CITY HALL, 10TH FLOOR
455 N. MAIN
WICHITA, KS 67202
(316)-268-4421
(316)-268-4390 FAX

SENIOR PLANS EXAMINER
PAUL HAYS
OFFICE OF CENTRAL INSPECTION
CITY HALL, 7TH FLOOR
455 N. MAIN
WICHITA, KS 67202
(316)-268-4477
(316)-268-4683 FAX

CITY ENGINEER
MICHAEL LINDBERGH, P.E.
ENGINEERING DIVISION
CITY HALL, 8TH FLOOR
455 N. MAIN
WICHITA, KS 67202
(316)-268-4298
(316)-268-4114 FAX

WATER DISTRIBUTION
STEVE BAUMER
SUPERINTENDENT OF WATER
DISTRIBUTION
(316)-268-4940

SEWER MAINTENANCE
JOE FOTINELLI
SUPERINTENDENT OF SEWER
MAINTENANCE
(316)-268-4073

ELECTRIC
WESTERN RESOURCE
SHANE STICE
120 EAST 15TH ST.
WICHITA, KS 67201
(316)-261-0905
(316)-261-9374 FAX

TELEPHONE
SOUTHWESTERN BELL
JIM TOBEN
154 N. BROADWAY
WICHITA, KS 67202
(316)-268-2801
(316)-268-2115 FAX

GEO.
PEOPLE'S NATURAL GAS COMPANY
CALVIN BRIDGES
1611 S. HOOPER
WICHITA, KS 67203
(316)-941-1038
(316)-942-7088 FAX

GEOTECHNICAL ENGINEER
TERRACON
JOHN HEINE, P.E.
2111 WEST HARRY STREET
WICHITA, KS 67213
(316)-262-0171
(316)-262-6997 FAX

CONSULTING ENGINEER
CEI ENGINEERING ASSOCIATES, INC.
W. CHARLES MITCHELL, P.E.
110 W. CENTRAL AVE.
BENTONVILLE, AR 72712
(501)-273-9472
(501)-273-0871 FAX

ARCHITECT
BOICE-RADL-PHEA ARCHITECTS
HAL HAVENS
6700 ANTIOCH PLAZA, SUITE 300
NEEDHAM, KS 66204
(913)-262-9035
(913)-262-9044 FAX

SURVEYOR
DAUGHMAN COMPANY, P.A.
BRETON STEWART
315 ELLIS
WICHITA, KS 67211
(316)-262-7271
(316)-262-0149 FAX

DEVELOPER
WAL-MART STORES, INC.
ART SCOTT, P.E., CEM (501)-273-8817
401 COVERT, BEM (501)-204-0239
2001 SE 10TH ST.
BENTONVILLE, AR 72712
(501)-273-4107 FAX

WETLANDS CERTIFICATION:

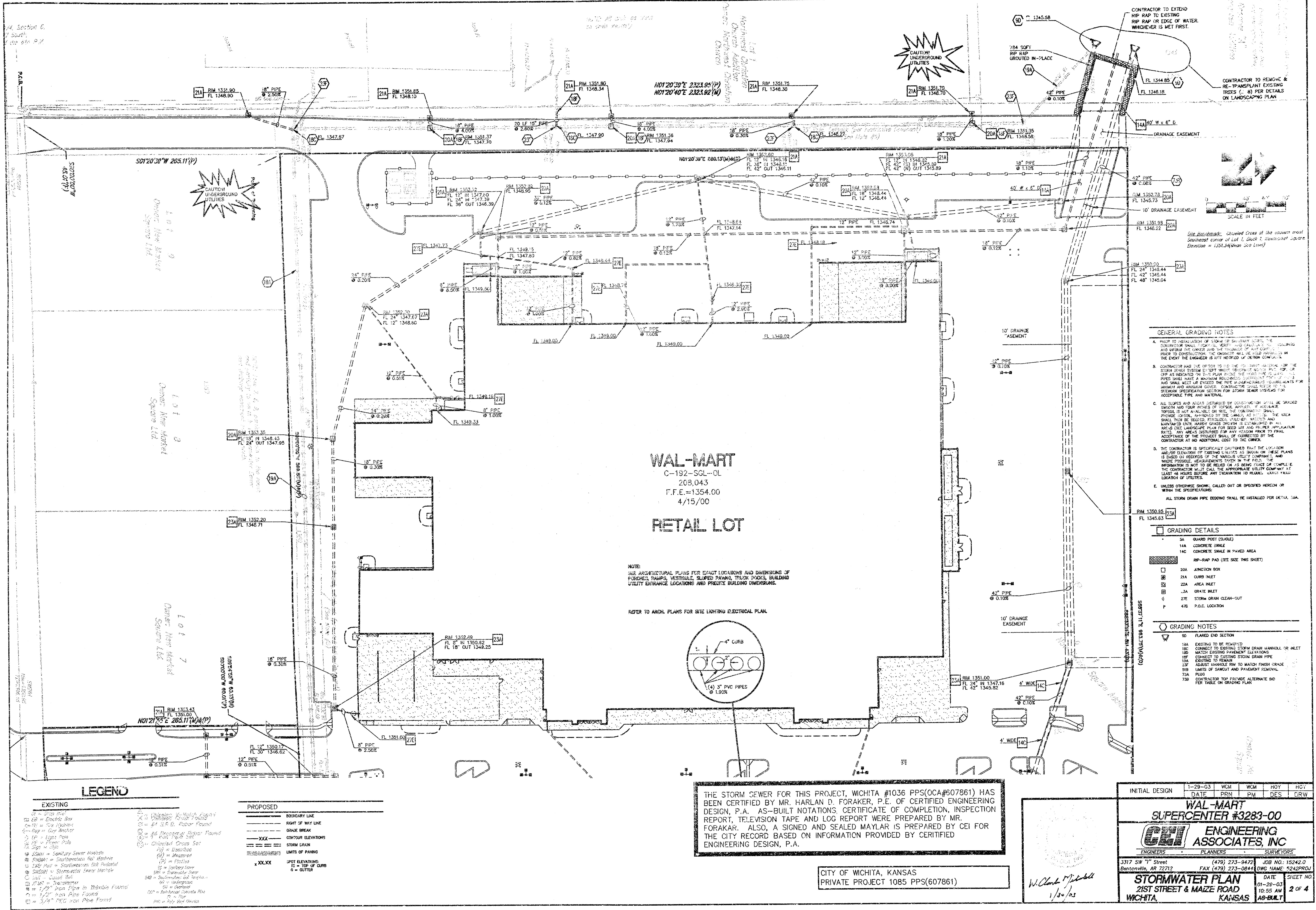
THIS PROJECT DOES NOT REQUIRE A DEPARTMENT OF THE ARMY SECTION 404 PERMIT PER A DETERMINATION ON 4/10/00 BY THE U.S. ARMY CORPS OF ENGINEERS KANSAS CITY DISTRICT.

FLOOD CERTIFICATION:

THIS PROPERTY IS NOT LOCATED WITHIN ANY PRESENTLY ESTABLISHED 100-YEAR FLOOD PLAIN, AS SHOWN BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FLOOD INSURANCE RATE MAP FOR THE COUNTY OF SEDGWICK, COMMUNITY PANEL NUMBER 200321 0125A EFFECTIVE DATE JUNE 3, 1986.

JOB NO.: 15242.0
DWG NAME: 524200V
DATE: 08-25-00
11:01 AM
SHEET NO.: 1 OF 4
BD

Bentonville, Arkansas * Fresno, California * St. Augustine, Florida * Nashville, Tennessee * Atlanta, Georgia * Dallas, Texas



GENERAL GRADING NOTES

A. PRIOR TO INSTALLATION OF STORM OR SANITARY SYSTEMS, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF WICHITA AND THE KANSAS DEPARTMENT OF TRANSPORTATION. THE ENGINEER WILL BE RESPONSIBLE FOR THE DESIGN OF THE STORM SEWER SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE STORM SEWER SYSTEM.

B. CONTRACTOR HAS THE OPTION TO LOCATE THE STORM SEWER SYSTEM EITHER UNDER OR ABOVE THE DRIVEWAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE STORM SEWER SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE STORM SEWER SYSTEM.

C. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED TO ORIGINAL OR BETTER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE STORM SEWER SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE STORM SEWER SYSTEM.

D. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND DEPTH OF EXISTING UTILITIES IS BASED ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE STORM SEWER SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE STORM SEWER SYSTEM.

E. UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON OR WITHIN THE SPECIFICATIONS, ALL STORM DRAIN PIPE BEDDING SHALL BE INSTALLED PER DETAIL 10A.

GRADING DETAILS

14A	CONCRETE SLOPE
14C	CONCRETE SLOPE IN PAVED AREA
14D	RIP-RAP PAD (SEE SIZE THIS SHEET)
20A	JUNCTION BOX
21A	CURB INLET
22A	AREA INLET
23A	GRATE INLET
27E	STORM DRAIN CLEAN-OUT
47E	P.O.C. LOCATION

GRADING NOTES

10	FLARED END SECTION
12A	EXISTING TO BE REMOVED
12B	CONNECT TO EXISTING STORM DRAIN MANHOLE OR INLET
12C	MATCH EXISTING EXTERIOR ELEVATIONS
12D	CONNECT TO EXISTING STORM DRAIN PIPE
12E	EXISTING TO REMAIN
12F	ADJUST MANHOLE RIM TO MATCH FINISH GRADE
12G	LIMITS OF SANITARY AND STORM DRAIN REMOVAL
12H	PLUG
12I	CONTRACTOR TO PROVIDE ALTERNATE BID PER TABLE ON GRADING PLAN

LEGEND

EXISTING	PROPOSED
1. 12" PIPE	1. BOUNDARY LINE
2. 18" PIPE	2. RIGHT OF WAY LINE
3. 24" PIPE	3. GRADE BREAK
4. 36" PIPE	4. CONTOUR ELEVATIONS
5. 48" PIPE	5. STORM DRAIN
6. 60" PIPE	6. LIMITS OF PAVING
7. 72" PIPE	7. SPOT ELEVATIONS
8. 84" PIPE	8. TOP OF CURB
9. 96" PIPE	9. GUTTER

THE STORM SEWER FOR THIS PROJECT, WICHITA #1036 PPS(OCA#607861) HAS BEEN CERTIFIED BY MR. HARLAN D. FORAKER, P.E. OF CERTIFIED ENGINEERING DESIGN, P.A. AS-BUILT NOTATIONS, CERTIFICATE OF COMPLETION, INSPECTION REPORT, TELEVISION TAPE AND LOG REPORT WERE PREPARED BY MR. FORAKER. ALSO, A SIGNED AND SEALED MAYLARS IS PREPARED BY CEI FOR THE CITY RECORD BASED ON INFORMATION PROVIDED BY CERTIFIED ENGINEERING DESIGN, P.A.

CITY OF WICHITA, KANSAS
PRIVATE PROJECT 1085 PPS(607861)

INITIAL DESIGN	1-29-03	WCM	WCM	HOY	HOY
DATE	PRN	PM	DES	DRW	
WAL-MART					
SUPERCENTER #3283-00					
GLI ENGINEERING ASSOCIATES, INC.					
ENGINEERS PLANNERS SURVEYORS					
3317 SW 7th Street Dentonville, AR 72712					
FAX (479) 273-0844					
JOB NO: 15242.0					
DWG NAME: 5242PROJ					
STORMWATER PLAN					
21ST STREET & MAIZE ROAD					
WICHITA, KANSAS					
DATE: 01-29-03					
SHEET NO: 2 OF 4					

