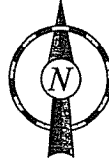


E. 2ND ST. N.	WASHINGTON AVE.
E. 1ST ST. N.	
E. DOUGLAS AVE.	
E. ENGLISH ST.	
E. PAWNEE ST.	

Vicinity Map
Not to Scale



PRIVATE CONTRACT FOR SANITARY SEWER 2003PPS (607861)
QUIKTRIP STORE #386
 TO SERVE L A ARMSTRONG AND HUBBARDS
 SUBDIVISION OF LOT 3 MATTHEWSONS ADDITIONS
WICHITA, KANSAS
1010 E. DOUGLAS AVE.

PLAN INDEX:

- COVER SHEET
- SITE PLAN
- SANITARY SEWER PLAN & PROFILE
- DRAINAGE AREA MAP
- STORM SEWER PLAN & PROFILE
- STORM SEWER DETAILS
- STANDARD TYPE "P" MANHOLE
- MANHOLE FRAME & COVER
- BACK OF CURB PROTECTION, CURB INLET PROTECTION AND CONSTRUCTION ENTRANCE
- SILT FENCE DITCH CHECK AND BARRIER DETAILS
- STRAW BALE DITCH CHECK AND BARRIER DETAILS
- STREET IMPROVEMENT PROJECTS
- SUBDIVISION DEVELOPMENT PROCESS
- CRYSTALSTREAM "CRYSTALCLEAN" WATER QUALITY VAULT



AS-BUILTS

Contractor: CK Contracting
 Inspector: Schwab-Eaton, P.A.

pdf by: BDB 9-7-10
 Project was constructed as shown on as-builts.

RESOURCE LIST:

CITY OF WICHITA

DEPARTMENT OF PLANNING
 CITY HALL, 10TH FLOOR
 455 N. MAIN
 WICHITA, KANSAS 67202-1688
 TEL: (316) 268-4421
 FAX: (316) 268-4390
 JOHN SCHLEGEL
 DIRECTOR OF PLANNING

PUBLIC WORKS
 CITY HALL, 8TH FLOOR
 455 N. MAIN
 WICHITA, KANSAS 67202-1688
 TEL: (316) 268-4422
 FAX: (316) 337-9027
 CONTACT: CHRIS CARRIER, P.E.
 DIRECTOR OF PUBLIC WORKS

CITY ENGINEER
 CITY HALL, 8TH FLOOR
 455 N. MAIN
 WICHITA, KANSAS 67202-1688
 TEL: (316) 268-4266
 FAX: (316) 268-4114
 CONTACT: JIM ARMOUR, P.E.

FIRE DEPARTMENT
 CITY HALL, 8TH FLOOR
 455 N. MAIN, 11TH FLOOR
 WICHITA, KANSAS 67202-1688
 TEL: (316) 268-4451
 FAX: (316) 268-4409
 CHIEF BOB THOMPSON

OFFICE OF CENTRAL INSPECTION
 455 N. MAIN
 CITY HALL, 7TH FLOOR
 WICHITA, KANSAS 67202
 TEL: (316) 268-4292
 FAX: (316) 268-4663
 CONTACT: CURTIS BOWEN

WICHITA WATER UTILITIES
 CITY HALL, 8TH FLOOR
 455 N. MAIN
 WICHITA, KANSAS 67202-1688
 TEL: (316) 265-1300
 CONTACT: DAVID WARREN
 DIRECTOR WICHITA WATER UTILITIES

CITY WATER DEPARTMENT
 455 N. MAIN
 CITY HALL, 8TH FLOOR
 WICHITA, KANSAS 67202
 TEL: (316) 268-4555
 CONTACT: GREG LOLLEY

FLOOD CERTIFICATION:

ALL OF THIS PROPERTY LIES IN SHADED ZONE "X" AS SHOWN BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FLOOD INSURANCE RATE MAP FOR SEDGWICK COUNTY, KANSAS, PANEL NUMBER 20173C0365E. EFFECTIVE DATE FEBRUARY 2ND, 2007

PROJECT NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR RAZING AND REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED. SEE SITE WORK SPECIFICATIONS.
- CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- 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.
- 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.
- ALL CONSTRUCTION IN CITY OF WICHITA, RIGHT-OF-WAY SHALL BE COORDINATED WITH THE CITY OF WICHITA PUBLIC WORKS DEPARTMENT. CITY OF WICHITA'S MOST CURRENT STANDARDS AND SPECIFICATIONS SHALL GOVERN THIS PROJECT.
- ALL SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE RELEVANT UTILITY COMPANY OR REGULATORY AUTHORITY, AND THE SPECIFICATIONS FOR THE CONSTRUCTION OF THE EXISTING IMPROVEMENTS WHICH ARE BEING ALTERED OR REPLACED. CONTRACTOR SHALL CONTACT THE ENGINEER FOR SPECIFICATION SECTIONS FOR ITEMS SUCH AS LANDSCAPING AND IRRIGATION THAT ARE AFFECTED BY THE WORK BUT NOT COMPLETELY DETAILED OR SPECIFIED ON THESE PLANS.

WETLANDS NOTICE:

ANY DEVELOPMENT, EXCAVATION, CONSTRUCTION, OR FILLING IN A U.S. CORPS OF ENGINEERS DESIGNATED WETLAND IS SUBJECT TO LOCAL, STATE AND FEDERAL APPROVALS. THE CONTRACTOR SHALL COMPLY WITH ALL PERMIT REQUIREMENTS AND/OR RESTRICTIONS AND ANY VIOLATION WILL BE SUBJECT TO FEDERAL PENALTY. THE CONTRACTOR SHALL HOLD THE OWNER/DEVELOPER, THE ENGINEER AND THE LOCAL GOVERNING AGENCIES HARMLESS AGAINST SUCH VIOLATION.

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 CONTEMPORARY BASIS AT THE SITE.

NOTICE TO BIDDERS:

ALL QUESTIONS REGARDING THE PREPARATION OF THE GENERAL CONTRACTOR'S BID SHALL BE DIRECTED TO THE OWNER'S CONSTRUCTION DEPARTMENT AT 918-615-7816. 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.

BENCHMARKS:

CITY OF WICHITA (COW) - BRASS DISK IN CONCRETE 1.0 SOUTH OF THE SOUTH EDGE OF SIDEWALK, 29.0± NORTH OF THE CENTERLINE OF FIRST STREET NORTH AND 83.0± EAST OF THE CENTERLINE OF NORTH WASHINGTON AVENUE.
 ELEVATION = 1296.31 (NGVD29)

SBM-1 - CHISLED SQUARE IN TOP OF CONCRETE LIGHT POLE BASE APPROXIMATELY 97.0 EAST OF THE SOUTHEAST CORNER OF QUIKTRIP STORE.
 ELEVATION = 1298.94 (NGVD29)

GENERAL NOTES (CITY OF WICHITA):

- UTILITY SERVICE LINES, POLES, VALVE BOXES, METERS, ETC. ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE PLANS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY-EIGHT (48) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:

KANSAS ONE CALL	587-2470
SOUTHWESTERN BELL TELEPHONE	1-316-571-2611
COX COMMUNICATIONS	262-4270/263-2061
KANSAS GAS SERVICE	832-3168
KGE ELECTRIC	264-1141
PEOPLES NATURAL GAS	942-8811
CITY OF WICHITA WATER DEPARTMENT	268-4908
CITY OF WICHITA SEWER DEPARTMENT	268-4071
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO REESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE REESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.
- THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY ADJUTING THE PROJECT LIMITS A MINIMUM OF TEN (10) DAYS ADVANCE NOTICE PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR MUST EXAMINE THE CONSTRUCTION SITE PRIOR TO BIDDING AND BE SATISFIED AS TO THE WORK SHOWN FOR COMPLETION. AFTER BIDS HAVE BEEN RECEIVED, THE CONTRACTOR SHALL NOT ASSERT THAT THERE WAS A MISUNDERSTANDING OF THE QUANTITIES OF WORK OR OF THE NATURE OF THE WORK TO BE COMPLETED.
- ALL CONSTRUCTION AND MATERIALS, UNLESS OTHERWISE NOTED, TO COMPLY WITH CITY OF WICHITA SPECIFICATIONS AND STANDARDS.
- ANY FENCE REMOVED FOR CONSTRUCTION SHALL BE REPAIRED IN A CONDITION EQUAL TO, OR BETTER THAN ORIGINAL AT NO ADDITIONAL COST TO THE OWNER. THIS COST SHALL BE CONSIDERED SUBSIDIARY TO OTHER BID ITEMS.
- RUBBLE REMOVAL - RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE, AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WILL REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO US CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION. THE COST OF DISPOSING OF RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION, INCLUDING LOADING AND HAULING SHALL BE SUBSIDIARY TO THE OTHER BID ITEMS.
- TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE. THIS COST IS SUBSIDIARY TO OTHER BID ITEMS.
- PROPERTIES WITHIN THE PROJECT MAY HAVE UNDERGROUND IRRIGATION SYSTEMS (LAWN SPRINKLERS) WHICH CONFLICT WITH NEW CONSTRUCTION. THE CONTRACTOR SHALL REMOVE SUCH COMPONENTS AS NEEDED DURING CONSTRUCTION OF THE PROJECT.

THE IRRIGATION SYSTEM SHALL BE REINSTALLED IN LIKE KIND BEFORE PROJECT COMPLETION. ANY IRRIGATION SYSTEM MODIFICATIONS REQUIRED BECAUSE OF PROJECT IMPROVEMENTS SHALL BE COORDINATED WITH THE PROPERTY OWNER. PORTIONS OF UNDERGROUND IRRIGATION SYSTEMS NOT IN CONFLICT WITH NEW CONSTRUCTION SHALL BE PROTECTED FROM DAMAGE AND SHALL REMAIN IN PLACE. ALL WORK RELATED TO UNDERGROUND IRRIGATION/SPRINKLERS SHALL BE SUBSIDIARY TO SITE CLEARING AND RESTORATION.

RAILROAD TIES AND YARD DECORATIONS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE STOCKPILED FOR THEIR OWNER. THIS COST IS SUBSIDIARY TO THE SITE CLEARING AND RESTORATION BID ITEM.

IN UNDEVELOPED AREAS, THE STREET RIGHT-OF-WAY SHALL BE SEEDED WITH TEMPORARY RYE GRASS AT A RATE OF 300 LBS/ACRE. SEEDING IN DEVELOPED AREAS SHALL CONFORM TO THE CITY'S POLICY AR-6.5.

CONTRACTOR SHALL NOT START WORK ON THE PROJECT UNTIL THE PROJECT INSPECTOR IS ASSIGNED TO THE PROJECT AND IS PRESENT ON THE SITE. ANY WORK DONE WITHOUT INSPECTION WILL BE REQUIRED TO BE UNCOVERED FOR INSPECTION.

CONTRACTOR SHALL PROVIDE BY-PASS PUMPING TO KEEP CONTINUES FLOW DURING CONSTRUCTION OF SANITARY SEWER.

QUIKTRIP CONTACTS:

ENGINEER OF RECORD BARRICK ROSENBAUM, P. E. HRAOK, INC. 1913 WEST TACOMA, SUITE A BROKEN ARROW, OKLAHOMA 74012 TEL: (918) 258-3737	QUIKTRIP PROJECT ENGINEER MARK HORTON, P. E. 4705 SOUTH 129TH EAST AVENUE TULSA, OKLAHOMA 74134 TEL: (918) 615-7597
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QUIKTRIP PROJECT MANAGER JAKE SUITTON 4705 SOUTH 129TH EAST AVENUE TULSA, OKLAHOMA, 74134 TEL: (918) 615-7861	QUIKTRIP REAL ESTATE MANAGER PAM FRIGGEL 4705 SOUTH 129TH EAST AVENUE TULSA, OKLAHOMA, 74134 TEL: (918) 615-7788
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APPROVED AS NOTED
 BY CITY ENGINEER OF WICHITA,
 BY WICHITA WATER & SEWER DEPARTMENT,
 & BY WICHITA FIRE DEPARTMENT.

Public Works: *Shawn Nells 4-22-10*
 Water & Sewer
 Fire

NOTE TO CONTRACTORS

Public Property
 Inspection and testing for the waterline is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Self inspection to be in accordance with the City of Wichita standards construction engineering practices and certified by a Professional Engineer Licensed in the state of Kansas. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection nor shall any work be constructed without public authorization by the City Engineer. All Construction and Materials shall comply with the City of Wichita Specifications and Standards (on file and available in the City Engineer's Office).

Private Property
 Installation and testing for the fire protection line is to be performed by a City of Wichita Licensed fire protection contractor in accordance with the fire codes as adopted by the City of Wichita. All material and construction practices for the fire protection line shall comply with the fire codes as adopted by the City of Wichita (available from the City of Wichita Fire Department). The Contractor shall not commence work without notification and approval of the Wichita Fire Department. Inspection of the fire protection line is to be provided by a Licensed Engineering Firm under contract with the Owner/Developer and the Fire Department. The contractor shall not start work until the project inspector is assigned to the project and present on site. Any work done without inspection will be required to be uncovered for inspection.



4705 South 129th East Ave.
 Tulsa, OK 74134-7008
 P.O. Box 3475
 Tulsa, OK 74101-3475
 (918) 615-7700

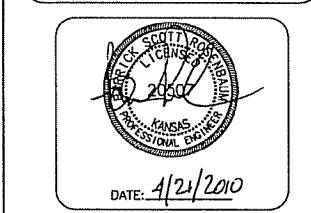
GENERAL NOTES

As-built
 Release Date: 10/6/2010
 :APRosas 10/6/2010

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No.	Revision	Date
1	CITY OF WICHITA REVIEW	10/14/09
2	CITY OF WICHITA REVIEW	4/14/10

HRAOK, Inc.
 ENGINEERS-SURVEYORS-PLANNERS-LANDSCAPE ARCHITECTS
 OKLAHOMA: CNA 9048-EXP. DATE: 9-30-2011
 KANSAS: CNA 1600-EXP. DATE: 12-31-2010
 1913 WEST TACOMA - SUITE A VOICE: (918) 258-3737
 BROKEN ARROW, OKLAHOMA 74012 FAX: (918) 258-2554
 WWW.HRAOK.COM INFO@HRAOK.COM



DATE: 4/21/2010

COVER SHEET	
DRAWN BY: JAW/BLJ	SHEET
DESIGNED BY: DKH/BLJ	1
CHECKED BY: WAR/BSR	OF
ISSUE DATE: 6/17/09	14

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WICHITA, KANSAS

1010 E. DOUGLAS AVE.

QuikTrip Store No. : 386R