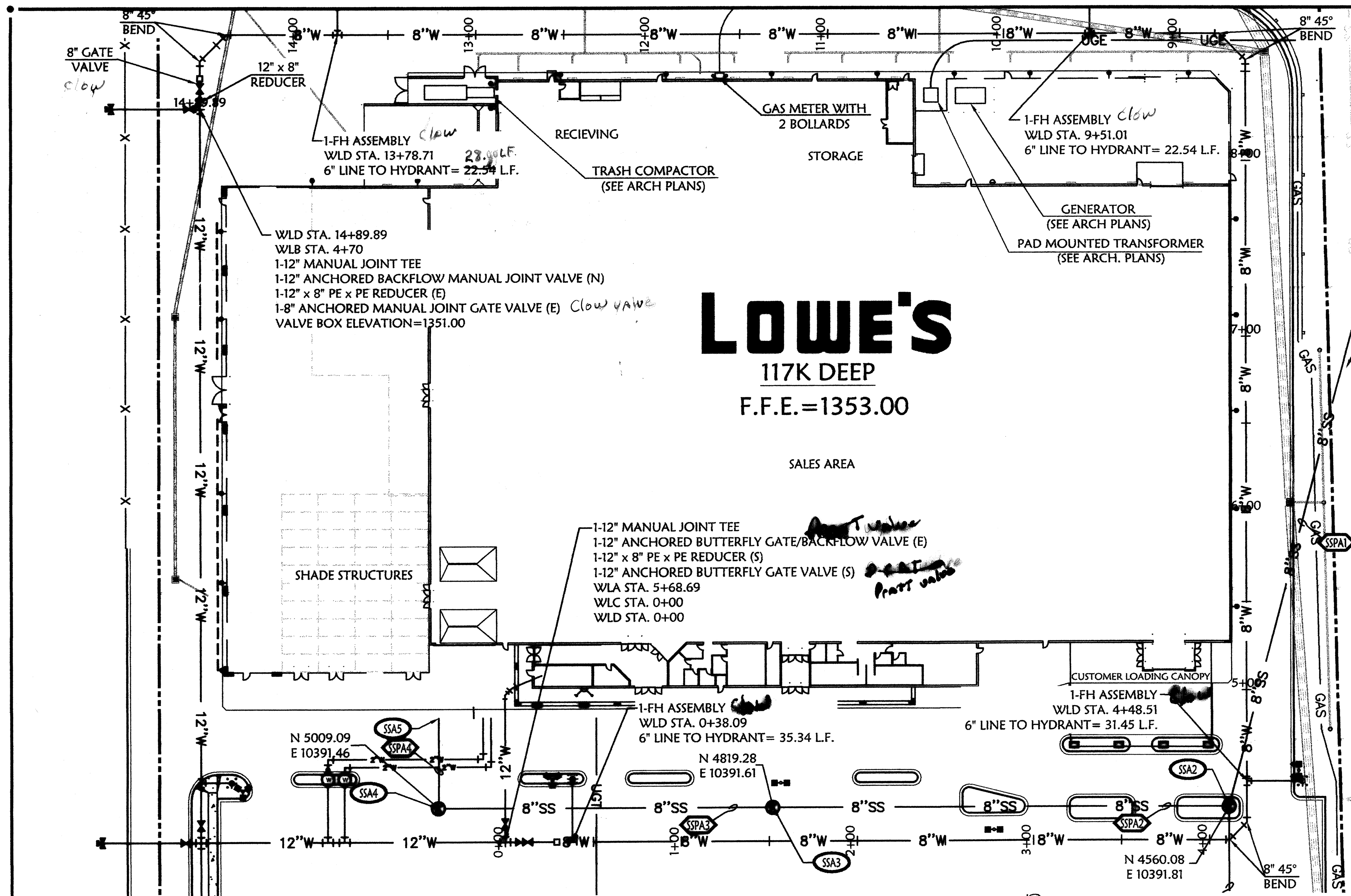

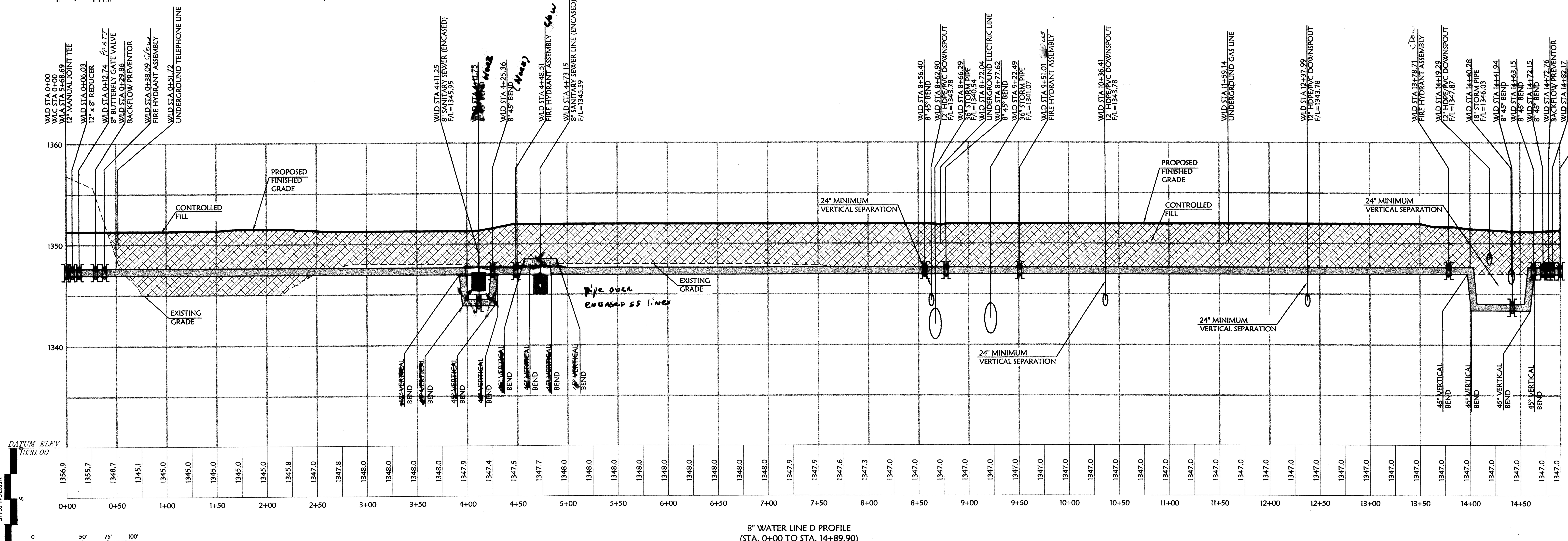

8" WATER LINE D PROFILE
(STA. 0+00 TO STA. 14+89.90)

SCALE IN FEET: 0 50' 75' 100'

CALL BEFORE YOU DIG 1-800-DIG-SAFE KANSAS ONE CALL SYSTEM

UTILITY PROPOSED FEATURES

Symbol	Feature
	BOUNDARY LINE
	RIGHT OF WAY LINE
	EASEMENT LINE
	CONCRETE CURB AND GUTTER
X	FENCE
	GUARD RAIL
	RETAINING WALL
	STORM DRAIN (SEE GRADING PLAN FOR SIZE)
8"SS	SANITARY SEWER SERVICE
10"W	WATER SERVICE
UGE	UNDERGROUND ELECTRIC SERVICE
UGT	UNDERGROUND TELEPHONE SERVICE
OHE	OVERHEAD ELECTRIC SERVICE
OHT	OVERHEAD TELEPHONE SERVICE
FO	FIBER OPTIC CABLE SERVICE
GAS	GAS SERVICE
	DROP INLETS (SEE GRADING PLAN FOR TYPE)

BENCHMARK
City of Wichita Disc on the northwest corner of 29th St. N. and Maize Rd.

Elevation = 1349.32 (M.S.L)
Elevation = 161.92 (City Datum)

UTILITY GENERAL NOTES:

ALL WATER LINES SHALL HAVE A MINIMUM OF 3'-6" COVER ABOVE TOP OF PIPE.

ALL SANITARY SEWER LINES SHALL HAVE A MINIMUM COVER OF 3'-0" COVER ABOVE TOP OF PIPE.

PROPOSED UTILITIES TO BE BURIED IN THE SAME TRENCH INSTALLATION SHALL BE COORDINATED AND APPROVED BY LOCAL UTILITY COMPANIES.

VERIFY LOCATION AND DEPTH OF EXISTING UTILITY BEFORE CONSTRUCTING PROPOSED UTILITY

CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS.

ALL ELECTRIC, TELEPHONE AND GAS EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTION'S SHALL BE COORDINATED WITH THE DESIGNATED UTILITY COMPANIES.

CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED BY THE ENGINEER FROM THE APPROPRIATE GOVERNING AUTHORITY AND CONTRACTOR HAS BEEN NOTIFIED BY THE ENGINEER.

THE MINIMUM HORIZONTAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER AND SEWER LINE IS TEN_FEET_(10'). THE MINIMUM VERTICAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER AND SEWER LINE IS EIGHTEEN_INCHES_(18"). PER KDHE. IF WATER IS NOT 24" ABOVE SEWER, THE SEWER SHALL BE CONCRETE ENCASED 10' EACH DIRECTION FROM WATERLINE.

ALL TRENCHING, PIPE LAYING, AND BACK FILLING PROCEDURES SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS.

PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OF THE DRY UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM OZARK CIVIL ENGINEERING AND THE OWNER/DEVELOPER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION. OZARK CIVIL ENGINEERING AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.

ALL WATER LINE FITTINGS SHALL BE INSTALLED WITH THRUST BLOCKING PER DETAILD218-A (SEE DETAIL SHEETS). OR APPROVED EQUIVALENT ANCHOR.

ALL WATER LINE PIPE BEDDING SHALL BE INSTALLED PER DETAIL D326 (SEE DETAIL SHEETS)

ALL SANITARY SEWER PIPE BEDDING SHALL BE INSTALLED PER DETAIL D326 (SEE DETAIL SHEETS)

CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE CITY CONSTRUCTION DIVISION TO SCHEDULE A PRE-CONSTRUCTION MEETING AT LEAST 48 HOURS PRIOR TO STARTING ANY WORK ON THIS PROJECT. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS.

EXISTING UTILITIES ACROSS OR ALONG THE LINE OF THE PROPOSED WORK ARE SHOWN ONLY IN AN APPROXIMATE LOCATION ON THESE PLANS. CONTRACTOR SHALL CALL THE STATE ONE-CALL SYSTEM OR DESIGNATED UTILITY COMPANY PRIOR TO CONSTRUCTION. CONTRACTOR SHALL ON HIS OWN INITIATIVE AND AT NO ADDITIONAL COST, LOCATE ALL UNDERGROUND LINES AND STRUCTURES AS NECESSARY. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND LINES OR STRUCTURES.

FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY'S UTILITY DEPARTMENT STANDARD OR PER DETAIL D156-A. (SEE DETAIL SHEETS)

CONTRACTOR SHALL NOT TAP OR OTHERWISE PENETRATE EXISTING WATER AND SEWER MAIN LINES WITHOUT PRIOR APPROVAL FROM THE CITY'S INSPECTOR. CONTRACTOR IS RESPONSIBLE FOR AVOIDING SPILLAGE OF RAW SEWAGE. CONTRACTOR SHALL PROVIDE ALL SEWER PLUGGING AND PUMPING EQUIPMENT NECESSARY TO AVOID SPILLAGE. CONTRACTOR SHALL NOT OPERATE VALVES ON EXISTING WATER MAINS.

THE EXISTING UTILITIES AND OBSTRUCTIONS SHOWN ARE FROM THE BEST AVAILABLE RECORDS AND SHALL BE VERIFIED BY THE CONTRACTOR TO HIS SATISFACTION PRIOR TO CONSTRUCTION. NECESSARY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SERVICES AND MAINS, AND ANY DAMAGE TO THEM SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTORS EXPENSE.

IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO SPECIFICALLY MENTION WORK WHICH IS REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM SUCH WORK.

CONTRACTOR SHALL MATCH TOP OF PROPOSED SANITARY SEWER MANHOLE TO PROPOSED GRADES. IF A DISCREPANCY OCCURS BETWEEN PROPOSED GRADES AND PROPOSED STRUCTURE TOPS, THE GRADING SHALL GOVERN. IF THE DISCREPANCY IS MORE THAN 4 INCHES THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD.

ALL UTILITIES, INCLUDING STORM SEWER, SHOWN WITHIN PUBLIC EASEMENTS OR RIGHT OF WAYS SHALL BE CONSTRUCTED TO THE GOVERNING AGENCY'S SPECIFICATIONS. ALL OTHER UTILITIES SHALL BE CONSTRUCTED TO THE CLIENT'S OR THE GOVERNING AGENCY'S SPECIFICATIONS, WHICHEVER IS MORE STRINGENT. IF THERE IS A QUESTION AS TO WHICH SPECIFICATIONS SHOULD APPLY THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD.

IF SANITARY SEWER MANHOLE IS LOCATED IN A GRASS AREA OR SLOPE, CONTRACTOR SHALL CONSTRUCT MANHOLE TOP TO AN ELEVATION 6 INCHES HIGHER THAN THE PROPOSED GRADES. IF THIS CANNOT BE ACHIEVED THEN CONTRACTOR SHALL USE A WATER TIGHT MANHOLE COVER THAT MEETS OR EXCEEDS THE OWNER'S/DEVELOPER'S STANDARD SITE SPECIFICATIONS.

ALL WATER MAINS SHALL BE HYDROSTATICALLY TESTED AND DISINFECTED BEFORE ACCEPTANCE. SEE SITE WORK SPECIFICATIONS.

CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES ON ADJUSTING EXISTING UTILITY LINE AS REQUIRED BY CUT AND FILL AT NO ADDITIONAL COST TO THE OWNER.

CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD AND ARCHITECT SHOULD ANY LIGHT POLE OR SIGN FOUNDATIONS CONFLICT WITH ANY UTILITY AND / OR STORM SEWER SYSTEM.

GENERAL CONTRACTOR SHALL PROVIDE 2' x 2' x 6" THICK CONCRETE APRON AT ALL CLEANOUTS, GATE VALVES, AND METER BOXES ETC. OUTSIDE OF BUILDING AND IN PAVED AREAS.

GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ALL TAP AND TIE ON FEES REQUIRED, AS WELL AS COST OF UNDERGROUND SERVICE CONNECTIONS TO THE BUILDING.

ELECTRICAL SERVICE TO PAD MOUNTED TRANSFORMER SHALL BE RUN UNDERGROUND, FROM ROAD RIGHT-OF-WAY TO TRANSFORMER LOCATION. ASSOCIATED COST BY GENERAL CONTRACTOR.

UTILITY CONTRACTOR SHALL FURNISH (2)_-_4" TELEPHONE CONDUIT(S) AS SHOWN ON PLAN. VERIFY LOCATION OF TIE IN AT TELEPHONE COMPANIES SERVICE LINE. PROVIDE NYLON PULL CORD INSIDE CONDUIT.

DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR FITTING UNLESS OTHERWISE NOTED.

ALL WATER AND SANITARY LEADS TO BUILDING SHALL END5' OUTSIDE THE BUILDING LIMITS AS SHOWN ON PLAN AND SHALL BE PROVIDED WITH A TEMPORARY PLUG AT END. EXCEPT THE FIRE LINE SHOULD BE STUBBED UP 1' ABOVE F.F.E.

ALL FIRE HYDRANTS SHALL BE PROVIDED WITH AN APPROVED GATE VALVE ANCHORED AT MAIN PER CITY DETAILS.

REFER TO FIRE PROTECTION SHEETS FOR LOCATION AND DETAIL OF FIRE LINE LEAD IN FIRE LINE SHALL BE STUBBED UP 1' ABOVE F.F.E. IN SPRINKLER ROOM.

REFER TO PLUMBING SHEETS FOR LOCATION OF SEWER, DOMESTIC, AND IRRIGATION CONNECTIONS

ALL WORK TO BE DONE IN STRICT ACCORDANCE WITH DIVISION_2_OF_LOWE'S STANDARD SITE SPECIFICATIONS.

REVISIONS

◇ PRE-BID SET ISSUE DATE △ POST BID SET ISSUE DATE

DATE		DESCRIPTION

SCOTT P. McGEE LICENSED 16947 KANSAS PROFESSIONAL ENGINEER
5/16/08

Ozark Civil Engineering Inc.
Bentonville • Kansas City • Austin

LOWE'S HOME CENTERS, INC.
1605 CURTIS BRIDGE ROAD
REEC DOCK
WILKESBORO, NC 28697
336.658.4000 (V) 336.658.3257 (F)

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LOWE'S

WATER LINE PLAN & PROFILE LINE D

LOWE'S OF
N.W. WICHITA
MAIZE RD. & CENTRAL PARK ST. WICHITA, KS.

PROJECT No: 04-0460 | DRAWN BY: JG | CHECKED BY: SM

ORIGINAL ISSUE DATE:
PERMIT SET ISSUE DATE:
CONSTRUCTION SET ISSUE DATE: 8-17-07

DRAWING NUMBER:
13

04-0460-REV 3(For City)