MASS GRADING AND DRAINAGE NOTES:

INFORMATION PERTAINING TO UNDER GROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS AND FIELD LOCATIONS WHEN POSSIBLE, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS IN ADVANCE OF MACHINE TRENCHING. IF CLEARANCES ARE LESS THAN SPECIFIED ON THESE PLANS OR 18", WHICH EVER IS LESS, CONTACT THE ENGINEER AND THE OWNER/ DEVELOPER PRIOR TO PROCEEDING WITH CONSTRUCTION.

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 BE HELD RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF SHEETING, SHORING, BRACING AND SPECIAL EXCAVATION MEASURES REQUIRED TO MEET OSHA, FEDERAL, STATE AND LOCAL REGULATIONS PURSUANT TO THE INSTALLATION OF THE WORK INDICATED ON THESE DRAWINGS.

ALL STORM DRAIN PIPES ARE MEASURED FROM CENTER OF STRUCTURES AND END OF FLARED END SECTIONS.

ALL DISTURBED AREAS AND SLOPES SHALL BE GRADED SMOOTH AND (4") OF TOP SOIL APPLIED. THE AREA SHALL BE SEEDED AND WATERED UNTIL HARDY GRASS GROWTH HAS BEEN ESTABLISHED. (SEE LANDSCAPING PLAN FOR SEED MIX)

WHERE THE WORD PIPE IS USED ON THESE PLANS, THE CONTRACTOR HAS THE OPTION TO BID MATERIAL WITH n=0.012 OR LESS.

STORM DRAIN PIPE BEDDING SHALL BE INSTALLED PER DETAIL D326 (SEE DETAIL SHEETS)

RETAINING WALL(S) SHALL BE CONSTRUCTED TO EXTEND A MINIMUM OF 6 INCHES ABOVE THE TOP OF FINISHED GRADE. CONTRACTOR SHALL REFER TO THE RETAINING WALL PLAN(S) FOR CONSTRUCTION AND DESIGN SPECIFICATIONS. CONTRACTOR SHALL NOTIFY OZARK CIVIL ENGINEERING, INC. IF RETAINING WALL PLANS DIFFER FROM THIS.

SEE EROSION CONTROL PLAN FOR RIP RAP PAD SIZES.

CONTRACTOR SHALL CONSTRUCT AND MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL PRACTICES IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND CONSTRUCTION SCHEDULE.

REMOVE GOOD TOPSOIL FROM AREAS TO BE GRADED AND FILLED, AND PRESERVE IT FOR USE IN FINISHING THE GRADING OF ALL CRITICAL AREAS.

SCARIFY AREAS TO RECEIVE TOPSOIL TO A MINIMUM DEPTH OF 2 INCHES BEFORE PLACING TOPSOIL

CLEAR AND GRUB AREAS TO BE FILLED, REMOVE TREES, VEGETATION, ROOTS, OR OTHER DEBRIS, AND OTHER MATERIALS THAT WOULD AFFECT THE STABILITY OF THE FILL.

ENSURE THAT FILL MATERIAL IS FREE OF BRUSH, RUBBISH, ROCKS, LOGS, STUMPS, BUILDING DEBRIS, AND OTHER MATERIALS INAPPROPRIATE FOR CONSTRUCTING STABLE FILLS.

DO NOT INCORPORATE FROZEN MATERIAL OR SOFT, MUCK, OR HIGHLY COMPRESSIBLE MATERIALS INTO FILL SLOPES.

KEEP DIVERSIONS AND OTHER WATER CONVEYANCE MEASURES FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.

PERMANENTLY STABILIZE ALL GRADED AREAS AFTER FINAL GRADING IS COMPLETED ON EACH AREA OF THE GRADING PLAN. APPLY TEMPORARY STABILIZATION MEASURES ON ALL GRADED AREAS WHEN WORK IS TO BE INTERRUPTED OR DELAYED (SEE EROSION CONTROL PLAN).

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.

ALL EXISTING STRUCTURES, UNLESS OTHERWISE NOTED TO REMAIN. ALL FENCING, TREES, & ETC., WITHIN CONSTRUCTION AREA SHALL BE REMOVED & DISPOSED OF OFF SITE. UNLESS OTHERWISE NOTED. ANY BURNING ON SITE SHALL BE SUBJECT TO LOCAL ORDINANCES & CITY OF WICHITA SPECIFICATIONS.

ALL DRAINAGE STRUCTURES SHALL BE PRE-CAST.

ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND BE INSTALLED ACCORDINGLY.

CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR IN RIGHT-OF-WAY PRIOR TO EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY (STATE ONE CALL SYSTEM) AND LOCATE ALL UTILITIES PRIOR TO GRADING START.

SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.

ALL WORK TO BE DONE IN STRICT ACCORDANCE WITH CITY OF WICHITA STANDARD SITE SPECIFICATIONS.

CONTRACTOR SHALL SUBMIT A PLAN DEPICTING THE LOCATION OF PROPOSED HAUL ROUTE ACROSS WETLAND AREAS. ROUTE SHALL HAVE THE LEAST IMPACT POSSIBLE TO EXISTING WETLANDS, AND WILL BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION. WITH THE EXCEPTION OF HAUL ROUTE, CONTRACTOR SHALL NOT BE ALLOWED ACCESS TO WETLAND AREAS.

EARTHWORK QUANTITIES SHOWN HAVE BEEN CALCULATED AS THE VOLUME OF MATERIAL BOUNDED BY THE EXISTING GROUND LINE AND THE PROPOSED GROUND LINE. NO ALLOWANCE HAS BEEN MADE TO ACCOUNT FOR OVER-EXCAVATION OF UNSUITABLE MATERIAL, THE OVER-EXCAVATION OF MATERIAL REQUIRED FOR THE PLACEMENT OF POND LINING, OR FOR THE PLACEMENT OF TOP SOIL ABOVE THE PROPOSED GOUND LINE ON SLOPES AS IS REQUIRED BY THE PLANS.

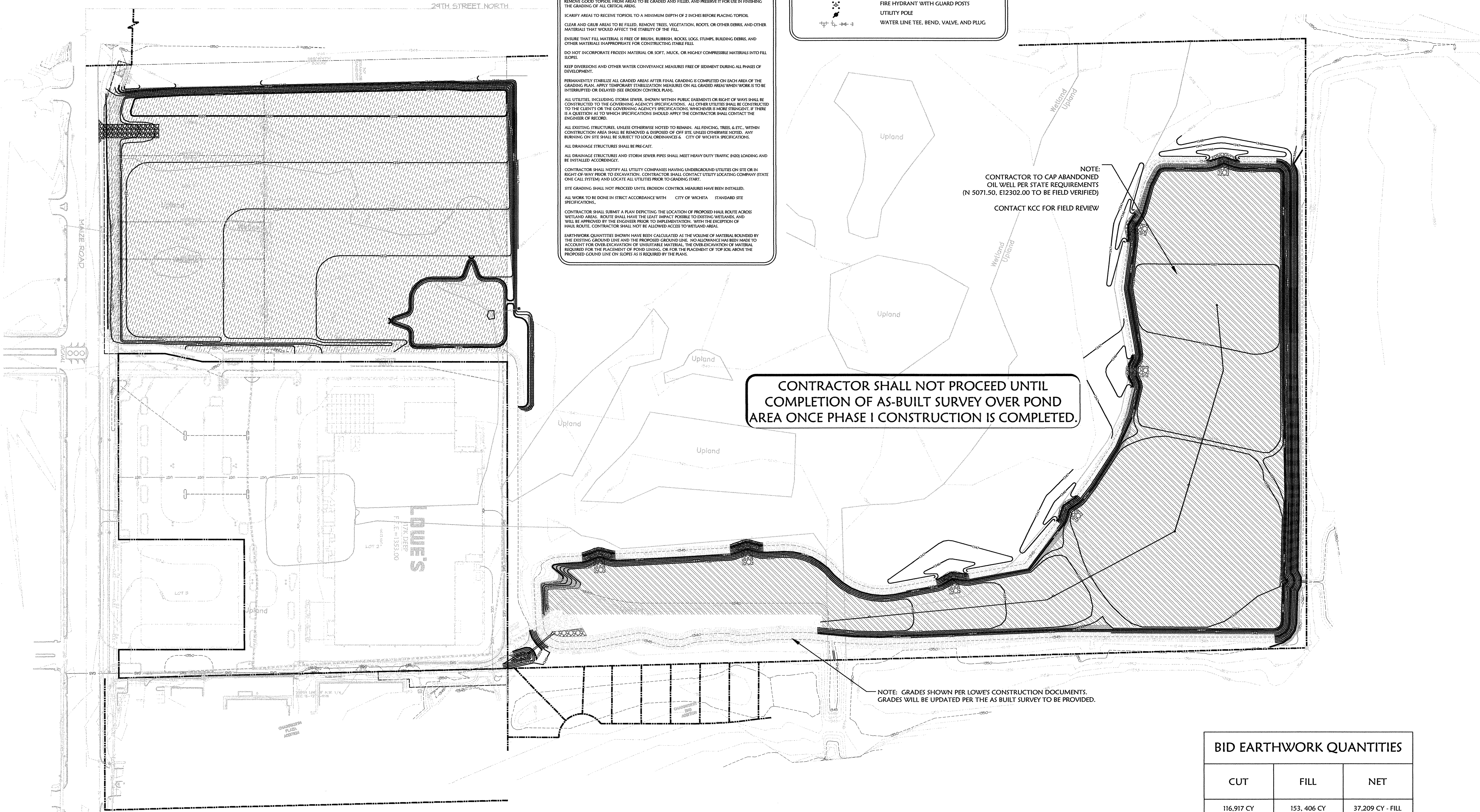
GRADING PROPOSED FEATURES

- BOUNDARY LINE
- RIGHT OF WAY LINE
- EASEMENT LINE
- CONCRETE CURB AND GUTTER
- FENCE
- GUARD RAIL
- RETAINING WALL
- 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
- XXXX.XX — SPOT ELEVATIONS:
  - EG=EXISTING GRADE
  - FG=FINISH GRADE
- RIP-RAP PAD (SEE EROSION PLANS FOR SIZE)
- SANITARY SEWER MANHOLE
- FIRE HYDRANT WITH GUARD POSTS
- UTILITY POLE
- WATER LINE TEE, BEND, VALVE, AND PLUG

BENCHMARK
SQUARE CUT ON TOP OF PARKING LOT CURB, NORTHWEST CORNER OF PARKING LOT, 90' EAST OF WEST 1/4 COR. SEC. 5-27S-R1W.

ELEVATION = 1353.11

0 100' 150' 200'
SCALE IN FEET



BID EARTHWORK QUANTITIES		
CUT	FILL	NET
116,917 CY	153, 406 CY	37,209 CY - FILL

NOTE: CUT / FILL QUANTITIES DO NOT INCLUDE UNDERCUT. CONTRACTOR SHALL INCLUDE UNDERCUT AS PART OF UNCLASSIFIED BID. NET MATERIAL TO BE TRUCKED TO NEW MARKET PROJECT WEST OF MAIZE ROAD (SEE PLANS BY PEC).

SCOTT P. McGEE
LICENSED
16947
KANSAS
PROFESSIONAL ENGINEER

Ozark Civil Engineering Inc.
Bentonville • Kansas City • Austin

OVERALL GRADING PLAN

GRADING FOR
CITY OF WICHITA, KANSAS

MAIZE ROAD AND 29TH STREET NORTH
WICHITA, KS

DRAWN BY:	EDH
APPV. BY:	SPM
DWG. NAME:	07-0798-BID.dwg
DATE:	06-24-08
JOB NO:	07-0798
SHEET NO:	B4

BY | DESCRIPTION | DATE

p:\07-0798 (nw wichita ks grading work with poe and assoc)\dwg\project\bid\07-0798-bid.dwg - Plotted on 7/1/2008 10:49:21 AM @ a scale of 1:1 to hp designjet 1050c by hp by Administrator