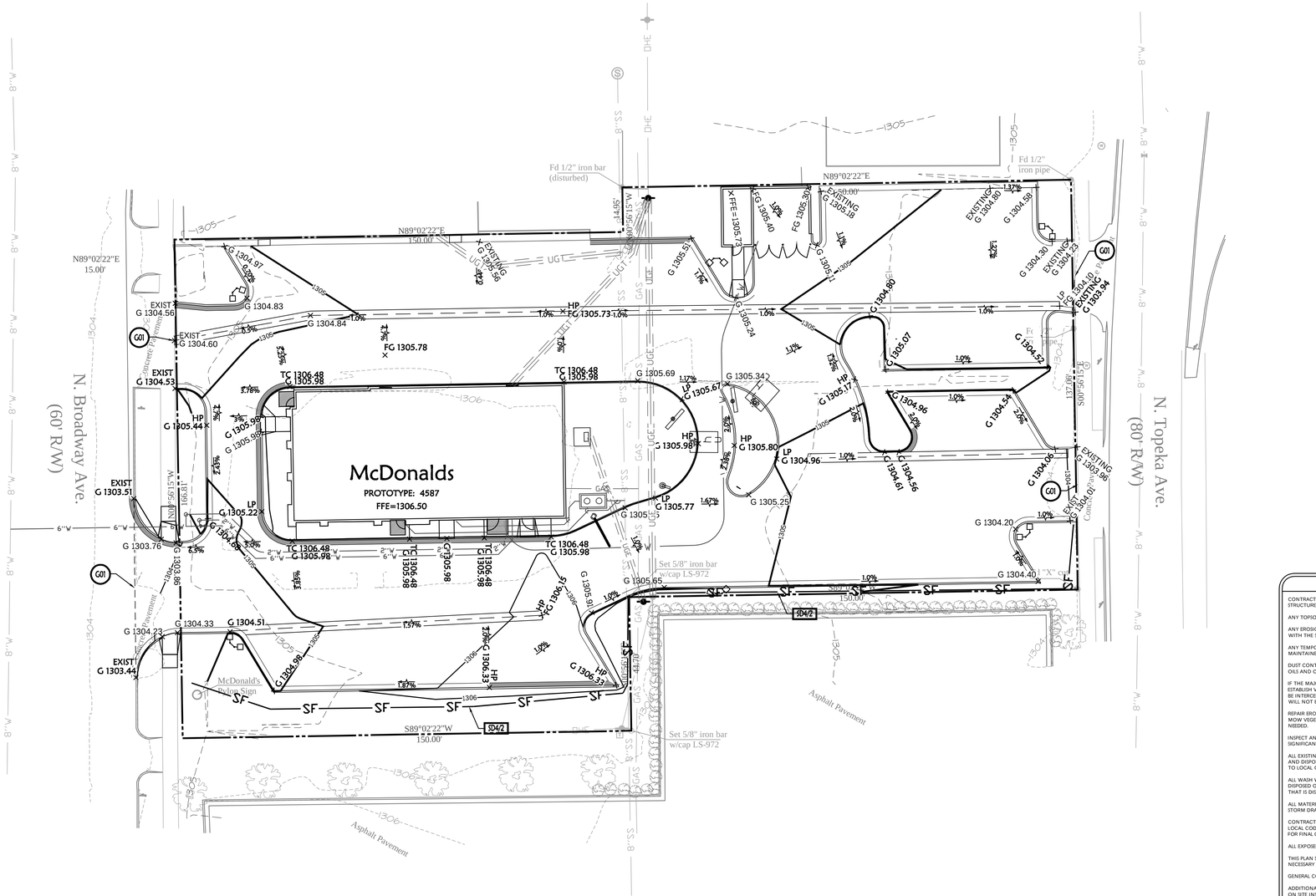

811 Know what's below. Call before you dig.

OZARK CIVIL ENGINEERING

0 20' 30' 40'
SCALE IN FEET

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
- SPOT ELEVATIONS: XXXX.XX
  - TC=TOP OF CURB
  - G =GUTTER OF CURB
  - TG=TOP OF GRADE (BEHIND TOP OF WALL)
  - BG=BOTTOM OF GRADE (AT FRONT OF WALL)
  - HP=HIGH POINT
  - LP=LOW POINT
  - EP=EDGE OF PAVEMENT
  - FES=FLARED END SECTION
- 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

GRADING NOTES & DETAILS

Items labeled by the following symbols are shown on this sheet.

- XXX
- SD4/2 — TEMPORARY SILT FENCE
- G01 — MATCH EXISTING PAVING

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.

ALL STRUCTURES LOCATED WITHIN R.O.W. OR OTHERWISE NOTED ON THE THESE PLANS SHALL BE CONSTRUCTED PER THE HIGHWAY DEPARTMENT STANDARDS. IF STRUCTURE(S) ARE NOT PROTOTYPICAL OR CONSTRUCTION CANNOT BE ACHIEVED CONTRACTOR SHALL SUBMIT SHOP DRAWING TO OZARK CIVIL ENGINEERING, INC. FOR REVIEW AND APPROVAL.

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

CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATION OR REMOVAL OF EXISTING UNDERGROUND UTILITIES SHOWN OR NOT SHOWN AT NO ADDITIONAL COST TO THE OWNER.

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 DISTURBED AREAS AND SLOPES SHALL BE GRADED SMOOTH AND (4") OF TOP SOIL APPLIED. THE AREA SHALL BE SEEDED (OR SODDED) AND WATERED UNTIL HARDY GRASS GROWTH HAS BEEN ESTABLISHED.

CONTRACTOR SHALL CONSTRUCT AND MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL PRACTICES IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND CONSTRUCTION SCHEDULE. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR IMPLEMENTING A SWPP IF REQUIRED.

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 3 INCHES BEFORE PLACING TOPSOIL PER OWNER/DEVELOPER, CITY AND/OR HIGHWAY DEPARTMENT STANDARDS AND SPECIFICATIONS)

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.

CONTRACTOR SHALL MATCH TOP OF PROPOSED DRAINAGE STRUCTURES WITH 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.

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 AND/OR THE OWNER/DEVELOPERS STANDARDS AND 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.

IMMEDIATELY APPLY & COMPACT STONE BASE FOR BUILDING PAD TO +/- 1/2" PRIOR TO EXCAVATING INTERIOR & PERIMETER FOOTINGS.

GENERAL CONTRACTOR SHALL PROVIDE 2' x 2' x 6" THICK CONCRETE APRON AT ALL CLEAN OUTS OUTSIDE OF BUILDING AND IN PAVED AREAS.

EROSION CONTROL GENERAL NOTES:

CONTRACTOR TO TAKE CARE TO MINIMIZE EROSION AND SEDIMENT IMPACT TO EXISTING DOWNSTREAM STRUCTURES, INCLUDING BUT NOT LIMITED TO STORM INLETS, DRAINAGE DITCHES AND FLUMES.

ANY TOPSOIL STOCKPILE SHALL BE COVERED OR PROTECTED FROM EROSION.

ANY EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSPECTED, CLEANED REPAIRED IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN.

ANY TEMPORARY SEDIMENT CONTROL MEASURES (SILT FENCE, CONSTRUCTION ENTRANCE, ETC.) SHALL BE MAINTAINED UNTIL ALL CONTRIBUTING AREAS ARE GRADED AND STABILIZED.

DUST CONTROL ON SITE SHALL BE MINIMIZED BY SPRAYING WATER ON DRY AREAS OF THE SITE, THE USE OF OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESION IS STRICTLY PROHIBITED.

IF THE MAJORITY OF MUD OR DIRT IS NOT REMOVED FROM EXITING TRAFFIC, CONTRACTOR SHALL ESTABLISH VEHICLE WASH AREAS AT CONSTRUCTION TRAFFIC EXIT POINTS AND VEHICLE OPERATION SHALL BE INTERCEPTED AND TRAPPED BEFORE WASH WATER IS ALLOWED TO BE DISCHARGED OFFSITE. RINSE-OFF WILL NOT BE ALLOWED OUTSIDE THE PROJECT CONSTRUCTION LIMITS.

REPAIR ERODED AREAS IMMEDIATELY, RESEED AS NECESSARY TO MAINTAIN GOOD VEGETATIVE COVER, MOW VEGETATIVE COVER TO MAINTAIN A MAXIMUM HEIGHT OF SIX INCHES, AND REMOVE TRASH AS NEEDED.

INSPECT AND REPAIR ANY COLLECTION SYSTEM (I.E. CATCH BASINS, PIPING, SWALES, RIP RAP, ETC.) AFTER SIGNIFICANT RAINFALL TO MAINTAIN PROPER FUNCTIONING.

ALL EXISTING STRUCTURES, FENCING, TREES, ETC., WITHIN THE CONSTRUCTION AREA SHALL BE REMOVED AND DISPOSED OF OFF SITE PER STATE AND LOCAL ORDINANCES. ANY BURNING ON SITE SHALL BE SUBJECT TO LOCAL ORDINANCES.

ALL WASH WATER (CONCRETE TRUCK, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTACT BETWEEN THESE MATERIALS AND STORM WATER THAT IS DISCHARGED FROM THE SITE.

ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY

CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL DEVICES/DITCHES AND DISPOSE OF PER LOCAL CODES ONCE THE SITE HAS BEEN STABILIZED. CONTRACTOR SHALL REFER TO THE GRADING PLAN FOR FINAL GRADES.

ALL EXPOSED AREAS SHALL BE SEEDED (OR SODDED) AS SPECIFIED WITHIN 14 DAYS OF FINAL GRADING.

THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE GENERAL CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.

GENERAL CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.

ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION.

GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.

DATE	DESCRIPTION	BY

SCOTT P. McGEE LICENSED 16947 KANSAS PROFESSIONAL ENGINEER

Ozark Civil Engineering Inc. Bentonville • Kansas City

McDonald's

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF MCDONALDS CORPORATION AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

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ADDRESS: 10801 MASTIN BLVD, STE. 400, OVERLAND PARK, KS 66210

STATUS	DATE	BY
PRELIMINARY:	--/--/----	-
PLAN CHECKED:		-
AS-BUILT:	-	-
JOB NO:	08-0844	

STREET ADDRESS: 1050 N. BROADWAY

CITY: WICHITA

STATE: KS

COUNTY: SEDGWICK

REGIONAL DWG. NO: 15-0009

GRADING PLAN

C-6

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