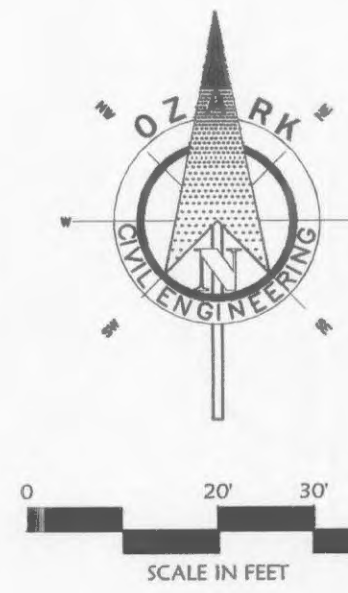


NOTE:  
 - GRADED AREAS THAT ARE TO REMAIN BARE FOR OVER TWO (2) WEEKS ARE TO BE SEEDED AND MULCHED (DNR REQUIREMENT).  
 - ALL EROSION CONTROL SYSTEMS ARE TO BE INSPECTED AND NECESSARY CORRECTIONS MADE WITHIN 24 HOURS OF ANY RAINSTORM RESULTING IN ONE-HALF INCH OF RAIN OR MORE.

INTERSTATE HIGHWAY TO  
 (R/W VARIES & CENTERLINE  
 CANNOT BE DETERMINED)



MODOT CALL NUMBER:  
 314-340-4100

EROSION PROPOSED FEATURES	
---	BOUNDARY LINE
---	RIGHT OF WAY LINE
---	EASEMENT LINE
---	CONCRETE CURB AND GUTTER
---	FENCE
---	GUARD RAIL
---	RETAINING WALL
---	STORM DRAIN (SEE GRADING PLAN FOR SIZE)
---	SANITARY SEWER SERVICE
---	WATER SERVICE
---	UNDERGROUND ELECTRIC SERVICE
---	UNDERGROUND TELEPHONE SERVICE
---	OVERHEAD ELECTRIC SERVICE
---	OVERHEAD TELEPHONE SERVICE
---	FIBER OPTIC CABLE SERVICE
---	GAS SERVICE
---	LIMITS OF CONSTRUCTION LINE
---	TEMPORARY SILT FENCE
---	TEMPORARY DIVERSION SWALE
---	TEMPORARY ROCK CHECK DAMS
○	TEMPORARY INLET PROTECTION
○ IP#	
⊗	DROP INLETS (SEE GRADING PLAN FOR TYPE)
⊗	SANITARY SEWER MANHOLE
⊗	FIRE HYDRANT WITH GUARD POSTS
⊗	UTILITY POLE
⊗	WATER LINE TEE, BEND, VALVE, AND PLUG

EROSION DETAILS	
DWH	ITEMS LABELED BY THE FOLLOWING SYMBOLS ARE SHOWN ON THIS SHEET AND REFERRED TO IN THE NOTES, WHICH ARE INCLUDED AS PART OF THIS SET OF PLANS.
IP-3	TEMP. GRAVEL AND WIRE MESH INLET SEDIMENT FILTER
SD36	INLET SEDIMENT CONTROL DEVICE WITH CURB FILTER
SD48	TEMP. SILT FENCE

- SEQUENCE OF CONSTRUCTION:**
1. PERFORM ALL NECESSARY CITY PERMITS.
  2. INSTALL PERIMETER SILT FENCES AND CONSTRUCTION ENTRANCE IN THE LOCATIONS SHOWN ON THE PLAN.
  3. BEGIN CLEARING AND GRUBBING OPERATIONS. CLEARING AND GRUBBING SHALL BE DONE ONLY IN AREAS WHERE EARTHWORK WILL BE PERFORMED AND ONLY IN AREAS WHERE BUILDING IS PLANNED TO COMMENCE WITHIN 14 DAYS AFTER CLEARING AND GRUBBING.
  4. COMMENCE SITE GRADING.
  5. RELOCATE UTILITIES.
  6. INSTALL INLET/OUTLET PROTECTION AT THE LOCATIONS OF ALL GATE INLETS, CURB INLETS, AND AT THE ENDS OF ALL EXPOSED STORM PIPES.
  7. PREPARE TEMPORARY PARKING AND STORAGE AREA.
  8. GRADE REMAINDER OF SITE.
  9. START CONSTRUCTION OF BUILDING PAD AND STRUCTURES.
  10. TEMPORARILY SEED DISTURBED AREA.
  11. INSTALL UTILITIES, CURBS AND GUTTERS.
  12. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS CEASED FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY SEEDED AND WATERED.
  13. FINALIZE PAVEMENT/ SITE GRADE PREPARATION.
  14. FINE GRADE AND INITIAL PERMANENT SEEDING AND PLANTING.
  15. REMOVE INLET PROTECTION AROUND INLETS AND MANHOLES NO MORE THAN 48 HOURS PRIOR TO PLACING STABILIZED BASE COURSE.
  16. INSTALL BASE MATERIAL AS REQUIRED FOR PAVEMENT.
  17. PAVE SITE.
  18. CARRY OUT FINAL GRADING AND SEEDING AND PLANTING.
  19. REMOVE SILT FENCING ONLY AFTER ALL PAVING IS COMPLETE AND EXPOSED SURFACES ARE STABILIZED.
  20. REMOVE TEMPORARY CONSTRUCTION EXITS ONLY PRIOR TO PAVEMENT CONSTRUCTION IN THESE AREAS (THESE AREAS ARE TO BE PAVED LAST).

NOTE:  
 ALL PROPOSED INLETS ON SITE TO BE RETROFITTED WITH INLET SEDIMENT CONTROL DEVICE WITH CURB FILTER FOR SEDIMENT FILTRATION. (SEE DETAIL SD3/6)



\* ASPHALT PAVEMENT SECTION TO BE 3" ASPHALT COURSE COMPACTED TO 95% DENSITY AND 18" COMPACTED STONE BASE COMPACTED TO 98% MODIFIED PROCTOR (PER GEOTECH SPECIFICATIONS).

(REFER TO McDONALD'S PROJECT MANAGER FOR FURTHER DETAILS)

**Clark**  
 Civil Engineering Inc.  
 10801 MASTIN BLVD., STE. 400, OVERLAND PARK, KS 66210  
 (913) 310-0770 (F) / (913) 310-0261 (P)

**McDonald's**  
 THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF McDONALD'S CORPORATION AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

STATUS	DATE	BY
PRELIMINARY	-/-/-	-
PLAN CHECKED	-/-/-	-
AS-BUILT	-/-/-	-
PROJECT NO.	06-0620	

**C-5**

STREET ADDRESS	
101 MCDONALDS LANE	
CITY	STATE
OFALLON	MISSOURI
COUNTY	
ST. CHARLES	
REGIONAL DWG. NO	
24/0130	
EROSION AND SEDIMENT CONTROL PLAN	

PLANNING AND DEVELOPMENT FILE #2306  
 APPROVED AUGUST 2, 2007

**EROSION CONTROL GENERAL NOTES:**

THE CONTRACTOR SHALL INSPECT, REPAIR AND ADD STONE TO THE STORM CONSTRUCTION ENTRANCE WHEN IT BECOMES SATURATED WITH MUD TO INSURE IT FUNCTIONS AS IT WAS INTENDED.

THE TOPSOIL STOCKPILE SHALL BE GRADED TO DRAIN AND SEED WITH A TEMPORARY SEED MIX.

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

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

A COMPLETE PLAN FOR MAINTENANCE OF CONTROL DEVICES IS CONTAINED WITHIN THE STORM WATER POLLUTION PREVENTION PLAN WHICH IS PART OF THE SITE WORK SPECIFICATIONS.

DUST CONTROL ON SITE SHALL BE MAINTAINED BY SPRAYING WATER ON DRY AREAS OF THE SITE. THE USE OF OIL AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION IS STRICTLY PROHIBITED.

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

REPAIR BROKEN 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 THE 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 ON 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.

SEE LANDSCAPE GENERAL NOTES FOR SEEDING SPEC.

LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES.

THE GENERAL CONTRACTOR SHALL STRICTLY ADHERE TO THE SWPPP DURING CONSTRUCTION OPERATIONS.

NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.

ALL EXPOSED AREAS SHALL BE SEED AS SPECIFIED WITHIN 14 DAYS OF FINAL GRADING.

SHOULD CONSTRUCTION STOP FOR LONGER THAN 14 DAYS, THE SITE SHALL BE SEED AS SPECIFIED.

AFTER EVERY SIGNIFICANT RUNOFF PRODUCING RAINFALL EVENT OF 1/2" OR GREATER AND AT LEAST ONCE A WEEK:

1. INSPECT THE DETENTION BASIN SYSTEM FOR SEDIMENT ACCUMULATION, EROSION, TRASH ACCUMULATION, VEGETATION, COVER, AND GENERAL CONDITION.
2. CHECK AND CLEAR THE OUTLET DEVICE OF ANY OBSTRUCTIONS.

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 INITIATED IF DETERMINED NECESSARY BY ON SITE INSPECTION.

IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.

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

SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT BASIN BEFORE IT IS 25% FULL.

TREES ORGANIC DEBRIS, RUBBLE, FOUNDATION AND OTHER DELETERIOUS MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED IN COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. LANDFILL TICKETS FOR SUCH DISPOSAL SHALL BE MAINTAINED ON FILE BY THE DEVELOPER. BURNING ON SITE SHALL BE ALLOWED ONLY BY PERMIT FROM THE LOCAL FIRE DISTRICT. IF A BURN PIT IS PROPOSED THE LOCATION AND MITIGATION SHALL BE SHOWN ON THE GRADING PLAN AND APPROVED BY THE SOIL ENGINEER.

THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR CONTROLLING ALL SEDIMENT AND EROSION OF THE PROJECT AREA. THE CONTRACTOR SHALL USE WHATEVER MEANS NECESSARY TO CONTROL EROSION AND SEDIMENT INCLUDING BUT NOT LIMITED TO, STATED TRASH BARS AND/OR SILT CURTAIN FABRIC FENCES. POSSIBLE METHODS OF CONTROL ARE DETAILED ON THE PLAN. CONTROL SHALL COMMENCE WITH GRADING AND BE MAINTAINED THROUGHOUT THE PROJECT UNTIL ACCEPTANCE OF THE WORK BY THE OWNER AND/OR THE CITY OF OFALLON AND/OR MADOT. THE CONTRACTOR'S RESPONSIBILITIES INCLUDE ALL DESIGN AND IMPLEMENTATION AS REQUIRED TO PREVENT EROSION AND THE DEPOSITING OF SILT. THE OWNER AND/OR THE CITY OF OFALLON AND/OR MADOT MAY AT THEIR OPTION DIRECT THE CONTRACTOR IN THE METHODS AS DETAILED FIT TO PROTECT PROPERTY AND IMPROVEMENTS. ANY DEPOSITING OF SILT OR MUD IN NEW OR EXISTING STORM DRAINS OR SWALES SHALL BE REMOVED AFTER EACH RAIN AND AFFECTED AREAS CLEANED TO THE SATISFACTION OF THE OWNER AND/OR THE CITY OF OFALLON AND/OR MADOT.

SITE BENCHMARK:  
 X CUT IN CONCRETE APPROX. 37.5' NORTH OF  
 SOUTHWEST CORNER OF PROPERTY.  
 ELEVATION: 550.17

U-GAS PROPERTIES, INC.  
 Book 2075 Page 1630