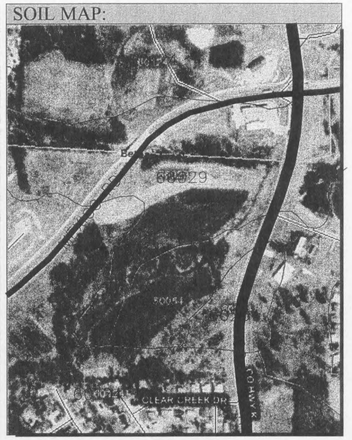
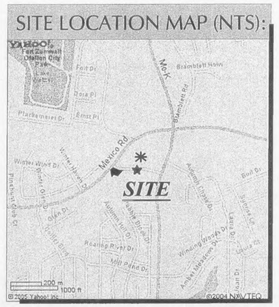
SOIL MAP:



SITE LOCATION MAP (NTS):



PROJECT NARRATIVE:
THE SITE IS A PROPOSED FINAL GRADING PROJECT IN SECTION 32, LAND LOT 2 OF St.CHARLES COUNTY, MISSOURI. THE SITE IS BORDERED BY MEXICO LOOP ROAD TO THE NORTH, MEXICO ROAD TO THE WEST AND PRIVATE PROPERTIES TO SOUTHEAST.
THE TOTAL SITE AREA IS 1.125 ACRES AND THE TOTAL DISTRUBED AREA ON SITE IS 0.96 ACRES.

THE EROSION CONTROL WILL CONSIST OF BUT NOT LIMITED TO SILT FENCING, DIVERSION DITCHES, SILT TRAPS, SILT BASINS, TEMPORARY AND PERMANENT SEEDING AND LANDSCAPING AND EROSION CONTROL MATTING ON SLOPES. SAVE TREE AREAS AND BUFFER WILL BE PROTECTED BY TREE PROTECTION FENCE.

SITE DEVELOPER /OWNER:
GENUINE PARTS COMPANY – 2999 CIRCLE 75 PARKWAY – ATLANTA, GEORGIA 30039.

THE SITE AND THE SURROUNDING AREAS ARE CLASSIFIED AS FOLLOWS IN THE WEB SOIL SURVEY (MO183) – 50054: Armster Silt Loam, 5 to 9% slopes. 60086: Crider Silt Loam, 9 to 14% slopes, eroded. 60124: Harvester–Urban land complex, 2 to 9% slopes. 60234: Weeler Silt Loam, 2 to 5% slopes. 66029: Dockery Silt Loam, 0 to 2% slopes, ocassionally flooded.

INITIAL PHASE CONSTRUCTION SCHEDULE

	WEEK #1	WEEK #2	WEEK #3
1. STAKE CLEARING LIMITS			
2. INSTALL AND MAINTAIN CONSTRUCTION ENTRANCE, SILT FENCE, TREE SAVE FENCE, DIVERSION DITCHES, AND SEDIMENT BASINS			
3. CLEAR, GRUB, AND STRIP TOPSOIL			

INITIAL PHASE EROSION AND SEDIMENT CONTROL SCHEDULE
1. STAKE CLEARING LIMITS.
2. INSTALL CONSTRUCTION ENTRANCE AND EXITS.
3. INSTALL TYPE "C" WIRE REINFORCED SILT FENCE, HAY BALES, AND TREE PROTECTION FENCE.
4. INSTALL ALL EROSION CONTROL MEASURES, DIVERSION DITCHES AND SEDIMENT BASINS SHOWN ON INITIAL PHASE PLAN (EROSION CONTROL MEASURES TO BE CONSTRUCTED AND FULLY FUNCTIONAL PRIOR TO ANY GRADING).
5. CLEAR TREES, REMOVE ALL STUMPS AND STRIP TOPSOIL.
6. MAINTAIN THE VEGETATED BUFFER NEXT TO THE LAKE AS SHOWN ON THE PLAN.

EROSION CONTROL NOTES:

1. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH ENTRY TO OR EXIT FROM THE SITE.
2. THE CONSTRUCTION EXISTS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ON TO PUBLIC RIGHT–OF–WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMANDS, AND REPAIR AND/OR CLEAN–OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIAL SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED.
3. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL OCCUR WITHIN THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
4. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES/EXITS, ALL PERIMETER EROSION CONTROL DEVICES AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALL PRIOR TO ANY OTHER CONSTRUCTION.
5. OWNER AGREES TO PROVIDE AND MAINTAIN OFF–STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.
6. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.
7. THE CONSTRUCTION OF THE SITE WILL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UP STREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN PAVED.
8. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANCE ACTIVITY IS IN PROGRESS.
9. ALL SEWER EASEMENT DISTURBED MUST BE DRESSED AND GRASSED TO CONTROL EROSION.

GENERAL NOTES:

1. CONSTRUCTION EXIT PAD SHOULD BE 20' x 50', AND 6 INCHES THICK. THE STONE SHOULD BE 1 1/2 TO 3 1/2 INCHES IN DIAMETER. THE GEO–TEXTILE UNDER LINER SHOULD MEET THE REQUIREMENTS OF AASHTO M288–96, SECTION 7.3 SEPARATION REQUIREMENTS. THE CONSTRUCTION EXIT SHOULD BE MAINTAINED BY PERIODICALLY REDRESSING WITH 1 TO 3 INCHES STONE.
2. SILT FENCE SHOULD BE TYPE C – 36" WIDE WITH WIRE REINFORCEMENT, PLACED IN ACCORDANCE WITH ST.CHARLES COUNTY SOIL AND EROSION CONTROL MANUAL. SEDIMENT SHOULD BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF BARRIER. SILT FENCE FABRIC MUST BE REPLACED AFTER 6 MONTHS. ACCUMULATED SILT MUST BE REMOVED AND DISPOSED OF WHEN THE BARRIER IS REMOVED.
3. INLET SEDIMENT TRAPS SHOULD BE Sd2–F UNTIL AREA IS PAVED; THEREAFTER, USE Sd2–P (PIGS IN A BLANKET). TRAPS SHOULD BE INSPECTED DAILY AND AFTER EACH RAIN. REPAIRS SHOULD BE MADE BY GENERAL CONTRACTOR WHEN NECESSARY. SEDIMENT SHOULD BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF SILT FENCE OR ANY ACCUMULATION ON A Sd2–P.
4. CONTRACTOR MUST SUBMIT MONITORING POINT DEVICES' SHOP DRAWINGS AND INSTALLATION DETAILS TO PLANNERS AND ENGINEERS COLLABORATIVE TO BE IN COMPLIANCE WITH THIS PLAN. MONITORING DEVICES SHALL BE MOUNTED AT AN ELEVATION GREATER THAN 25 YEAR STORM ELEVATION AND SHALL BE STRUCTURALLY SECURED.
5. A SITE VISIT MUST BE SCHEDULED BY THE PROJECT CIVIL ENGINEER TO INSPECT INITIAL INSTALLATION OF THE EROSION CONTROL BMP DEVICES WITHIN 7 DAYS. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THIS MEETING.
6. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABALIZED WITH MULCH OR TEMPORARY SEEDING.
7. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
8. SEDIMENT AND EROSION MEASURES AND PRACTICES TO BE INSPECTED DAILY.
9. EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR TO ANY GRADING ON SITE. PLEASE CALL WITH ENOUGH LEAD TIME FOR AN INSPECTION TO MEET YOUR SCHEDULE.
10. SEDIMENT/EROSION CONTROL DEVICES MUST BE CHECKED AFTER EACH STORM EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.
11. MAXIMUM CUT OR FILL SLOPES ARE 2 HORIZONTAL : 1 VERTICAL.
12. WEEKLY EROSION AND SEDIMENT CONTROL REPORTS SHALL BE SUBMITTED TO THE DEVELOPMENT DEPARTMENT STARTING WITH THE ISSUANCE OF THE DEVELOPMENT PERMIT AND ENDING WHEN PROJECT IS RELEASED BY THE INSPECTOR.
13. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE PROPERTY OWNER.
14. DETENTION POND, DETENTION OUTLET STRUCTURES AND TEMPORARY SEDIMENT POND FEATURES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING.
15. "THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES."
16. ALL EROSION CONTROL SYSTEMS ARE INSPECTED AND NECESSARY CORRECTIONS MADE WITHIN 24 HOURS OF ANY RAINSTORM RESULTING IN ONE–HALF INCH OF RAIN OR MORE.

DATA SUMMARY

Temporary Sediment Basin Dimensions

Item No.	Description	Units	Pond A
1	Riser Crest Elevation	ft.	527.18
2	Volume of Basin at Riser elevation	cy.	64
3	Cleanout Elevation	ft.	526.39
4	Volume of Basin at Cleanout elevation	cy.	21.12
5	Trash Rack Diameter	in.	18
6	Riser Pipe Diameter	in.	12
7	Principal Spillway Diameter	in.	8
8	Length of Principal Spillway	ft.	10
9	Inflow Invert Principal Spillway	ft.	526.00
10	Outflow Invert Principal Spillway	ft.	525.90
11	Top of Dam Width	ft.	8
12	Antiflotation Block Length	in.	10
13	Antiflotation Block Width	in.	10
14	Antiflotation Block Depth	in.	18
15	Length of Rebar	in.	12
16	Interior Dam Side Slope ___:1		3
17	Exterior Dam Side Slope ___:1		3
18	Emergency Spillway Crest Elevation	ft.	527.58
19	Emergency Spillway Width	ft.	3.00
20	Top of Dam Constructed Elev.	ft.	528.20
21	Top of Dam Settled Elev.	ft.	528.20
22	Spillway Flow Depth	ft.	1.50
23	Antiseep Collar Length	in.	N/A
24	Antiseep Collar Width	in.	N/A
25	Core Trench Depth	ft.	N/A
26	Core Trench Side Slope ___:1		N/A
27	Core Trench Bottom Width	ft.	N/A

THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR CONTROLLING ALL SILTATION AND EROSION OF THE PROJECT AREA. THE CONTRACTOR SHALL USE WHATEVER MEANS NECESSARY TO CONTROL EROSION AND SILTATION INCLUDING, BUT NOT LIMITED TO, STAKED STRAW BALES AND/OR SILTATION FABRIC FENCES (POSSIBLE METHODS OF CONTROL ARE DETAILED IN THE PLAN). CONTROL SHALL COMMENICE WITH GRADING AND BE MAINTAINED THROUGHOUT THE PROJECT UNTIL ACCEPTANCE OF THE WORK BY THE OWNER AND/OR THE CITY OFO'FALLON AND/OR MODOT, 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 O'FALLON AND/OR MODOT MAY AT THEIR OPTION DIRECT THE CONTRACTOR IN HIS METHODS AS DEEMED FIT TO PROTECT PROPERTY AND IMPROVEMENTS. ANY DEPOSITING OF SILT OR MUD ON NEW OR EXISTING PAVEMENT SHALL BE REMOVED IMMEDIATELY. ANY DEPOSITING OF SILTS OR MUD IN NEW OR EXISTING STORM SEWERS OR SWALES SHALL BE REMOVED AFTER EACH RAIN AND AFFECTED AREAS CLEANED TO THE SATISFACTION OF THE OWNER AND/OR THE CITY OF O'FALLON AND/OR MODOT

PLANNING AND ZONING FILE# 1905.02
APPROVAL DATE: NOVEMBER 2,2006

24 HOUR CONTACT:
SONNY SUPAN @ 770-541-4420

48 HOURS BEFORE YOU DIG CALL MISS DIG (800) 344-7483 (TOLL FREE) PRIOR TO CONSTRUCTION FOR UNDERGROUND UTILITY LOCATION

LAND LOT 2 - HOME DEPOT OUTPARCEL

FINAL GRADING AND EROSION CONTROL PROJECT

FOR

GENUINE PARTS COMPANY
222 CHASTAIN MEADOWS CT. # 100
KENNESAW, GEORGIA 30144
PHONE: 770-541-4420

LAND LOT 2
FRACTIONAL SECTION 32,
TOWNSHIP 47 NORTH, RANGE 3 EAST

CITY OF O'FALLON
ST. CHARLES COUNTY
MISSOURI

"WE PROVIDE SOLUTIONS"
PLANNERS AND ENGINEERS COLLABORATIVE
SITE PLANNING ▣ LANDSCAPE ARCHITECTURE ▣ CIVIL ENGINEERING ▣ LAND SURVEYING
350 RESEARCH COURT ▣ NORCROSS, GEORGIA 30092 ▣ (770)451-2741 ▣ FAX (770)451-3915 ▣ WWW.PECATL.COM

REVISIONS:

NO.	DATE	BY	DESCRIPTION
–1	06/03/08	PEC	GRADING REVISIONS
–2	06/27/08	PEC	CITY COMMENTS

SHEET TITLE
INTIAL EROSION CONTROL PLAN

0 10 20 40 60

SCALE: 1" = 20'
DATE: APRIL 3, 2008
PROJECT: 05002.00

THIS SEAL IS ONLY VALID IF COUNTER SIGNED AND DATED WITH AN ORIGINAL SIGNATURE.

STATE OF MISSOURI
MICHAEL J. TWINNEY
NUMBER E-19994
REGISTERED PROFESSIONAL ENGINEER

4
SHEET