

OFF-SITE RUN-ON DRAINAGE AREA: 25 ± ACRES

WAL-MART # 2616-04
LC-120A-NGR-OR
134,455 S.F. (EXISTING)
C-195E-GR-OR
210,637 S.F. (PROPOSED)

EXISTING SHOPS
(TO REMAIN)

EXISTING SHOPS
(TO REMAIN)

EXISTING MINI-ANCHOR
(TO REMAIN)

SHEET A
MATCHLINE
SHEET B

TEMPORARY BENCHMARKS
TBM "A" - CHISELED "SQ" ON TOP CONCRETE BASE OF LIGHT STANDARD IN PARKING LOT DIRECTLY IN FRONT OF "OFFICE MAX" BUILDING. ELEVATION = 539.65
TBM "B" - CHISELED "SQ" ON CONCRETE BASE OF LIGHT STANDARD AT N.W. CORNER OF INTERSECTION OF MAIN ENTRANCE TO WAL-MART AND OUTSIDE DRIVE FOR PARKING LOT. ELEVATION = 542.78

BEST MANAGEMENT PRACTICES SEQUENCE

NOTE: UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREA-BARRIER, PARKING LAY DOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, MASON'S AREA, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC. IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS. IN ADDITION NOTE ANY OFF-SITE AREA WHERE FILL IS IMPORTED FROM OR SOIL IS EXPORTED TO ON THE SITE MAPS.

PHASE I

CONSTRUCTION IS TO BE IMPLEMENTED IN STAGES AS SHOWN ON THE PHASING PLAN. EACH STAGE IS INTENDED TO BE COMPLETED INDEPENDENTLY FROM ONE ANOTHER. ORDER SHOWN ON THE PHASING PLAN MAY BE CHANGED UPON APPROVAL BY THE STORE MANAGER AND THE WAL-MART CONSTRUCTION MANAGER.

1. VERIFY ACCEPTANCE OF THE NOI BY MDNR AND OBTAIN THE LAND DISTURBANCE PERMIT FROM THE CITY OF O'FALLON. A COPY OF THE NOI IS LOCATED IN THE SITEWORK SPECIFICATIONS SECTION 2370. (NOTE: A NOTICE OF COVERAGE FROM MISSOURI DNR MUST BE OBTAINED PRIOR TO LAND DISTURBING ACTIVITIES COMMENCING.)
2. INSTALL STABILIZED CONSTRUCTION EXITS, TRUCK WASH OFF AREAS & SWPPP ENTRANCE SIGN.
3. INSTALL FILTER RING AND RETROFIT DEVICE AROUND EXISTING DETENTION POND OUTLET CONTROL STRUCTURE.
4. INSTALL SILT FENCES, SILT DIKES AND INLET PROTECTION DEVICES AS INDICATED ON PLANS. CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL SILT FENCE.
5. PREPARE TEMPORARY PARKING AND STORAGE AREAS.

HALT ALL ACTIVITIES AND CONTACT THE CEC TO PERFORM INSPECTION OF BMP'S. GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT STORM WATER PRE-CONSTRUCTION MEETING WITH THE CEC, WAL-MART CONSTRUCTION MANAGER, AGENCIES AND GROUND DISTURBING CONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.
ALL EXCEPTIONS NOTED ON THE BMP CERTIFICATION FORM MUST BE ADDED TO THE FIRST DAILY REPORT AS A DEFICIENCY OR DEFICIENCIES AND RESOLVED WITHIN 24-HOURS. BMP'S CAN NOT BE CERTIFIED IF ANY EXCEPTION REQUIRES GREATER THAN 24-HOURS TO RESOLVE.
DAILY INSPECTIONS AND REPORTING USING THE SWPPP MANAGEMENT TOOL MUST START THE DAY OF OR IMMEDIATELY AFTER BMP CERTIFICATION.

PHASE II

CONSTRUCTION IS TO BE IMPLEMENTED IN STAGES AS SHOWN ON THE PHASING PLAN. EACH STAGE IS INTENDED TO BE COMPLETED INDEPENDENTLY FROM ONE ANOTHER. ORDER SHOWN ON THE PHASING PLAN MAY BE CHANGED UPON APPROVAL BY THE STORE MANAGER AND THE WAL-MART CONSTRUCTION MANAGER.

1. BEGIN CONSTRUCTION OF UTILITY RELOCATIONS SERVING EXISTING WAL-MART BUILDING AND THE ADJACENT RETAIL SHOPS TO REMAIN.
2. BEGIN CONSTRUCTION OF HIGHWAY K ROAD IMPROVEMENTS.
3. BEGIN INSTALLATION OF UNDERGROUND DETENTION SYSTEM IN FRONT PARKING FIELD.
4. ADJUST SILT DIKES AND SILT FENCES TO ENCLOSE OPERATIONS FOR PARTICULAR PHASE OF CONSTRUCTION. ENSURE ADEQUATE INLET PROTECTION ON ALL DOWNSTREAM INLETS PRIOR TO CONSTRUCTION OPERATIONS UPSTREAM OF INLETS.
5. BEGIN CONSTRUCTION OF RETAINING WALL ON THE SOUTH SIDE OF THE PARKING LOT.
6. INSTALL STORM SEWER PIPES ON THE NORTH SIDE OF THE MODIFIED EXISTING DETENTION BASIN.
7. BEGIN CONSTRUCTION OF RETAINING WALL IN THE MODIFIED EXISTING DETENTION BASIN AND BEGIN FILLING IN EXISTING DETENTION POND.
8. INSTALL RIP-RAP OUTLET PROTECTION AS INDICATED ON THE PLANS.
9. INSTALL INLET PROTECTION AT ALL STORM SEWER STRUCTURES AS EACH INLET IS BROUGHT UP TO GRADE.
10. INSTALL DIVERSIONS AS SHOWN ON THE PLANS.
11. INSTALL WATER QUALITY RETROFITS ON EXISTING STORM SEWER INLETS.
12. BEGIN INSTALLATION OF PERMANENT UNDERGROUND UTILITY RELOCATIONS. ADJUST BMP'S TO ENCLOSE AREAS OF UTILITY CONSTRUCTION AS NECESSARY FOR PARTICULAR PHASE OF CONSTRUCTION.
13. TEMPORARY SEED, THROUGHOUT CONSTRUCTION, DENIED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE.
14. PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE.

IF BMP'S SHOWN ARE NOT ADEQUATE TO CONTAIN SEDIMENTATION ONSITE, CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES TO CONTROL SEDIMENT.
IF TEMPORARY SEDIMENT BASINS, STORM OUTLET PROTECTIONS, OR ANY OTHER STRUCTURAL MEASURES MUST BE RESIZED OR REDESIGNED DUE TO SITE CONDITIONS, CONTRACTOR SHALL CONTACT WOLVERTON & ASSOCIATES, INC. TO PROVIDE ADDITIONAL DIRECTION.

PHASE III

CONSTRUCTION IS TO BE IMPLEMENTED IN STAGES AS SHOWN ON THE PHASING PLAN. EACH STAGE IS INTENDED TO BE COMPLETED INDEPENDENTLY FROM ONE ANOTHER. ORDER SHOWN ON THE PHASING PLAN MAY BE CHANGED UPON APPROVAL BY THE STORE MANAGER AND THE WAL-MART CONSTRUCTION MANAGER.

1. BEGIN DEMOLITION OF EXISTING RETAIL SHOPS, PAVEMENT, CURB AND UTILITIES IN THE EXPANSION AREA UPON WRITTEN APPROVAL FROM SITE OWNER AND CONSTRUCTION MANAGER.
2. BRING BUILDING PAD UP TO GRADE WITH SUITABLE FILL MATERIAL.
3. DEMOLISH EXISTING PAVEMENT IN FRONT PARKING FIELD AS NECESSARY TO BRING TO FINAL GRADE AND PREPARE SITE FOR PAVING/OVERLAY.
4. ADJUST SILT DIKES AND SILT FENCES TO ENCLOSE OPERATIONS FOR PARTICULAR PHASE OF CONSTRUCTION. ENSURE ADEQUATE INLET PROTECTION ON ALL DOWNSTREAM INLETS PRIOR TO CONSTRUCTION OPERATIONS UPSTREAM OF INLETS.
5. PAVE/OVERLAY THE PARKING LOT. INSTALL APPROPRIATE INLET PROTECTION DEVICES FOR PAVED AREAS AS WORK PROGRESSES.
6. COMPLETE GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS.
7. OBTAIN CONCURRENCE WITH THE WAL-MART CONSTRUCTION MANAGER THAT THE SITE HAS BEEN STABILIZED
A. REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES.
B. STABILIZE ANY AREAS DISTURBED BY THE REMOVAL OF BMP'S, AND
C. ASK THE CM TO CONTACT THE CEC TO COMPLETE THE CEC NOT SITE INSPECTION AND REPORT.
8. CONTINUE DAILY INSPECTION REPORTS UNTIL THE FINAL DAILY INSPECTION REPORT, MARKED "READY TO TERMINATE PERMIT", IS SIGNED BY THE CONSTRUCTION MANAGER AND SUBMITTED VIA THE SWPPP MANAGEMENT TOOL.

NOTE: THE GENERAL CONTRACTOR MAY COMPLETE CONSTRUCTION-RELATED ACTIVITIES CONCURRENTLY ONLY IF ALL PRECEDING BMP'S HAVE BEEN COMPLETELY INSTALLED.
BMP-RELATED STEPS IN THE ABOVE SEQUENCE ARE ITALICIZED FOR CLARITY.

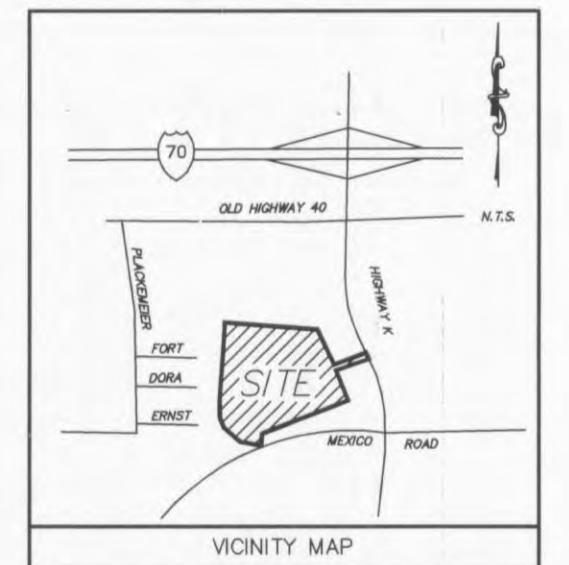


| SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE | | | | | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| NOTE: GENERAL CONTRACTOR TO COMPLETE TABLE WITH THEIR SPECIFIC PROJECT SCHEDULE | | | | | | | | | | | | |
| CONSTRUCTION SEQUENCE | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY |
| TEMPORARY CONSTRUCTION EXITS | | | | | | | | | | | | |
| TEMPORARY CONTROL MEASURES | | | | | | | | | | | | |
| SEDIMENT CONTROL BASINS | | | | | | | | | | | | |
| STRIP & STOCKPILE TOPSOIL | | | | | | | | | | | | |
| ROUGH GRADE | | | | | | | | | | | | |
| STORM FACILITIES | | | | | | | | | | | | |
| SITE CONSTRUCTION | | | | | | | | | | | | |
| PERMANENT CONTROL STRUCTURES | | | | | | | | | | | | |
| FOUNDATION / BUILDING CONSTRUCTION | | | | | | | | | | | | |
| FINISH GRADING | | | | | | | | | | | | |
| LANDSCAPING/SEED/FINAL STABILIZATION | | | | | | | | | | | | |
| HIGHWAY IMPROVEMENTS | | | | | | | | | | | | |

1) CONTRACTOR SHALL UPDATE THE TABLE BY SHADING OR DATING THE APPLICABLE ACTIVITIES AS PROJECT PROGRESSES.
2) TIME SCHEDULE MUST COINCIDE WITH SEQUENCE OF CONSTRUCTION.

STRUCTURAL PRACTICES - PHASE I

| CODE | PRACTICE | MAP SYMBOL | DESCRIPTION |
|------|-----------------------------------|------------|---|
| CoA | CONSTRUCTION EXIT | | A crushed stone pad located at the construction exit to provide a place for removing mud from tires thereby protecting public streets. |
| CoB | TRUCK WASH OFF AREA | | An area with a steel ribbed rack used for scraping and washing mud off of vehicles tires and undercarriages prior to exiting the site. |
| Fr | FILTER RING | | A temporary stone barrier constructed at storm drain inlets and pond outlets. |
| Rt | TEMPORARY SEDIMENT BASIN RETROFIT | | A device or structure placed in front of a temporary stormwater detention pond outlet structure to serve as a temporary sediment filter. |
| Sd1A | SEDIMENT BARRIER SILT FENCE | | A silt fence barrier to prevent sediment from leaving the site. It is usually temporary and inexpensive. |
| Sd1B | SEDIMENT BARRIER SILT DIKE | | A silt dike barrier placed on a road to prevent sediment from leaving the site. It is usually temporary, inexpensive and can be retrofitted/replaced. |
| Sd2C | FILTER SACKS | | A below grade geotextile insert for graded media which traps sediment in stormwater runoff while allowing water to pass through. |
| Sd2D | CURB INLET SEDIMENT FILTER | | An inlet sediment filter for curb inlets created by placing geotextile, wire mesh and gravel in front of the inlet to filter runoff before entering the storm sewer system. |
| Sd2E | SILT FENCE INLET PROTECTION | | An inlet sediment trap created by constructing a silt fence with cross brace supports ground on four sides of the structure. |
| Sd3 | TEMPORARY SEDIMENT BASIN | | A basin created to temporarily store stormwater runoff allowing the sediment to drop out. |



SOIL SERIES LEGEND

HU HARVESTER-URBAN LAND COMPLEX 2 TO 9 PERCENT SLOPES (ENTIRE SITE)

EROSION CONTROL LEGEND

- PROPERTY LINE
- LIMITS OF DISTURBANCE
- GRADE BREAK
- CONTOUR ELEVATIONS
- STORM DRAIN
- DIRECTION OF OVERLAND FLOW
- SILT FENCE/SILT DIKE (IN PAVEMENT)
- TEMP. CONSTRUCTION STAGING AREA

BORROW & DISPOSAL INFORMATION

| | |
|--------------------------------|----------------------------------|
| BORROW SITE NAME: | DISPOSAL SITE NAME: |
| BORROW SITE ADDRESS: | DISPOSAL SITE ADDRESS: |
| BORROW SITE PERMIT HOLDER: | DISPOSAL SITE PERMIT HOLDER: |
| BORROW SITE PERMIT: | DISPOSAL SITE PERMIT: |
| BORROW SITE PERMITTING AGENCY: | DISPOSAL SITE PERMITTING AGENCY: |

NOTES: 1) CONTRACTOR SHALL FILL IN BORROW AND DISPOSAL INFORMATION ABOVE.
2) BORROW AND DISPOSAL INFORMATION IS NEEDED FOR SOIL FILL AND SPOIL MATERIALS ONLY.
3) CONTRACTOR SHALL STATE "NOT REQUIRED FOR THIS PROJECT" IF ONE OR BOTH ARE NOT REQUIRED FOR PROJECT.

REFER TO PLAN SHEET ES-4 FOR GENERAL NOTES, MAINTENANCE NOTES, SITE DATA & QUAD MAP

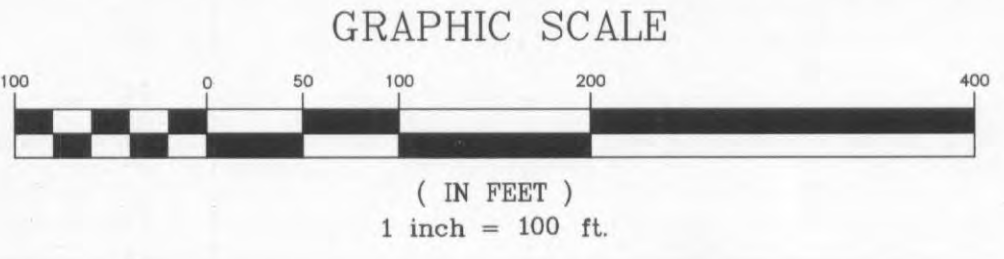
| OFF-SITE DRAINAGE AREA | ACREAGE | AVERAGE SLOPE | MAXIMUM SLOPE | COVER TYPE |
|------------------------|---------|---------------|---------------|------------|
| AREA 1 (NORTH OF SITE) | 25 AC. | 4.00% | 16.67% | WOODED |

DEVELOPER:
WAL-MART REAL ESTATE BUSINESS TRUST
2001 SE 10TH STREET
BENTONVILLE, AR 72716
479-273-4000

SITE OPERATOR/GENERAL CONTRACTOR:
SUPERINTENDENT:

PLANNING AND DEV. DEPT. FILE NO.: 00-109.02
DATE OF PLANNING APPROVAL: 09/06/2007

**PHASE I - SITE MAP
EROSION, SEDIMENTATION
& POLLUTION CONTROL PLAN**



OWNER-
THF O'FALLON DEVELOPMENT, L.L.C.
2127 INNERBELT BUSINESS CENTER DR.
SUITE 200
ST. LOUIS, MISSOURI 63114
CONTACT: MR. DARREN RIDENHOUR
(314) 429-0900
(314) 429-0999

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Consulting Engineers + Land Surveyors
6745 Sugarloaf Parkway • Suite 100 • Duluth, Georgia 30097
Phone: (770) 447-8889 • Fax: (770) 447-8070
www.wolverton-assoc.com



PROPOSED EXPANSION TO WAL-MART #2616-04
O'FALLON POINTE CENTRE
O'FALLON, MISSOURI 63366
BY: WAL-MART REAL ESTATE BUSINESS TRUST
BENTONVILLE, AR.

| REVISIONS | BY |
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DRAWN BY CER
CHECKED BY DMW
DATE: 05/30/2008
SCALE: 1" = 100'
JOB No. 06-107
SHEET NUMBER

ES-1
EDDS : 6040