



**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

NO.	REVISIONS	BY

DRAWN BY CER
CHECKED BY DMW
DATE 05/30/2008
SCALE 1" = 100'
JOB No. 06-107
SHEET NUMBER ES-2
EDDS 6050

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												

ALL EROSION & SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND ANY DEFICIENCIES NOTED WILL BE CORRECTED BY THE END OF EACH DAY. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY AFTER ONSITE INSPECTION BY THE ISSUING AUTHORITY.

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 INSTALLED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.

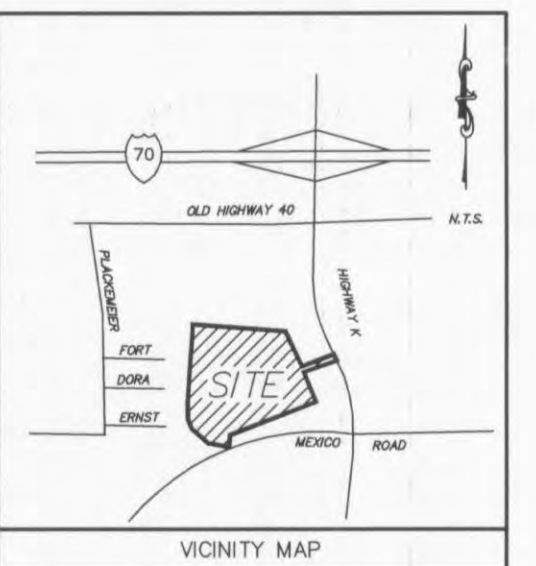
ACREAGE SUMMARY (IN ACRES)	
TOTAL PROJECT AREA	25 ACRES
WAL-MART DEMISE AREA	19 ACRES
ON-SITE DISTURBED AREA	18 ACRES
OFF-SITE DISTURBED AREA	1 ACRES
TOTAL DISTURBED (MATCH NO)	19 ACRES
IMPERVIOUS AREA AT COMPLETION	21 ACRES
PERVIOUS AREA AT COMPLETION	4 ACRES

MULCHING SCHEDULE Ds1	
MULCHING MATERIAL	RATE/ACRE
DRY STRAW OR HAY	2.5 TONS
WOOD WASTE, CHIPS, SAWDUST, OR BARK	6 TO 9 TONS (2 TO 3" DEEP)

TEMPORARY SEEDING SCHEDULE Ds2		
SPECIES (MIXTURE OF)	RATE/ACRE	PLANTING DATES
MILLETS, SUDAGRASS	45/60 LBS	MAY 1 - AUG 15
ANNUAL RYEGRASS	75 LBS	JAN 1 - APRIL 30 AUG 1 - DEC 31
ANNUAL LESPEDEZA PLUS LALL FESCUE	15 PLUS 45	JAN 1 - MAY 30
CERIALS: RYE/WHEAT	90/120 LBS	JULY 15 - NOV 15

FERTILIZATION REQUIREMENTS Ds4			
SPECIES	FERTILIZER (N-P-K)	RATE (LBS/AC)	NITROGEN TOP DRESSING RATE (LBS/AC)
FESCUE	6-12-12	1,500	50-100
KENTUCKY BLUEGRASS			

VEGETATIVE PRACTICES - PHASE II			
CODE	PRACTICE	MAP SYMBOL	DESCRIPTION
Ds1	DISTURBED AREA STABILIZATION (W/ MULCHING ONLY)	Ds1	Establishing temporary protection for disturbed areas where seedings may not have a suitable growing season to produce an erosion-retarding cover.
Ds2	DISTURBED AREA STABILIZATION (W/ TEMPORARY SEEDING)	Ds2	Establishing a temporary vegetative cover with fast growing seedlings on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (W/ SOODING)	Ds4	A permanent vegetative cover using seeds on highly erodible or critically eroded lands.



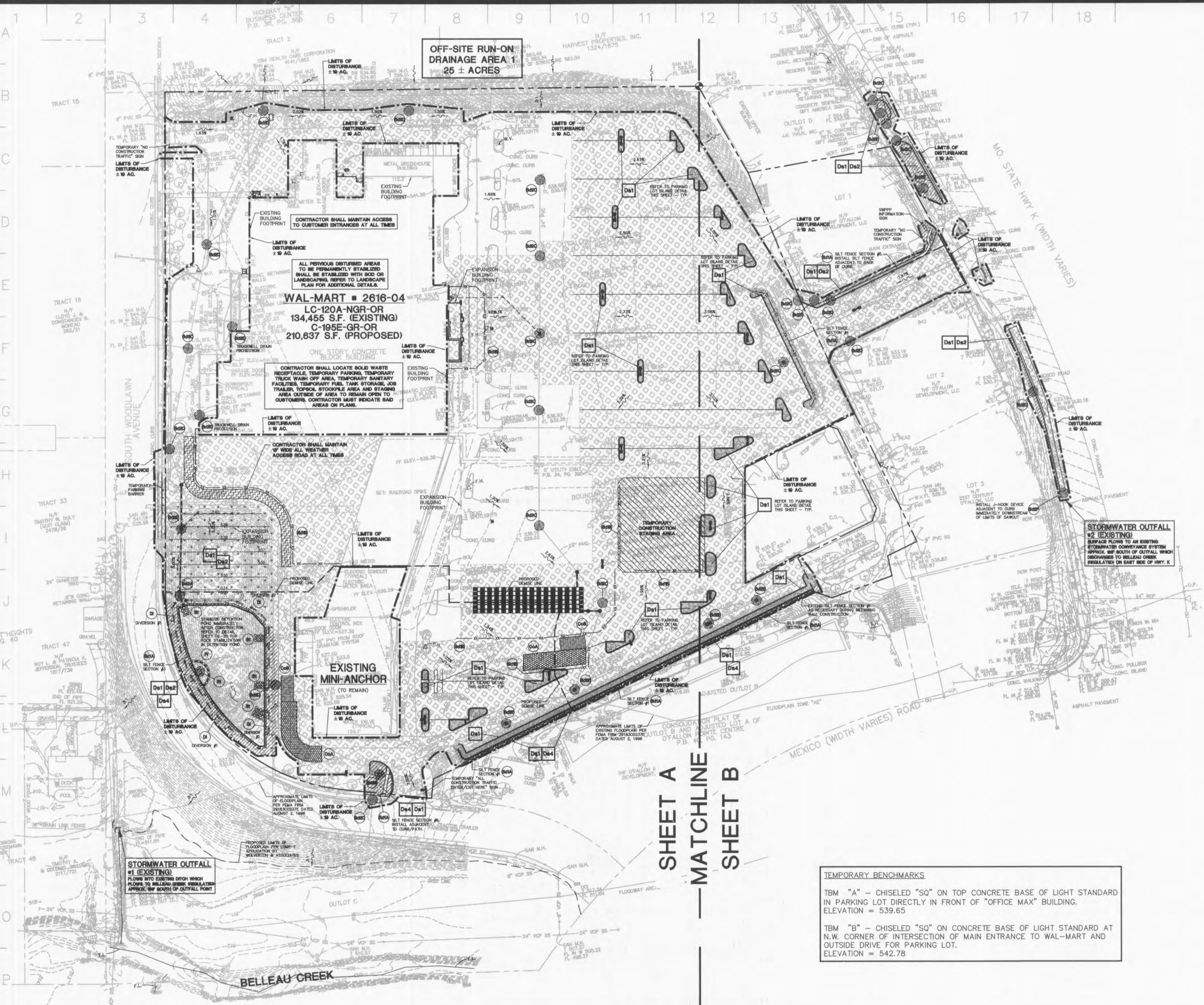
STRUCTURAL PRACTICES - PHASE II			
CODE	PRACTICE	MAP SYMBOL	DESCRIPTION
CoA	CONSTRUCTION EXIT	[Symbol]	A crushed stone pad located at the construction exit to provide a proper removing mud from tires thereby protecting public streets.
CoB	TRUCK WASH OFF AREA	[Symbol]	An area with a steel ribbed rack used for scrubbing and washing mud off of vehicles tires and undercarriages prior to exiting the site.
DI	DIVERSION	[Symbol]	An earth channel or dike located above, below or across a slope to divert runoff. This may be a temporary or permanent structure.
Fr	FILTER RING	[Symbol]	A temporary stone barrier constructed at storm drain inlets and pond outlets.
Rt	TEMPORARY SEDIMENT BASIN RETROFIT	[Symbol]	A device or structure placed in stormwater retention pond outlet structure to remove sediment from temporary sediment filter.
Sd1A	SEDIMENT BARRIER SILT FENCE	[Symbol]	A silt fence barrier to prevent sediment from high flows or runoff from disturbing the site. It is usually temporary and inexpensive.
Sd1B	SEDIMENT BARRIER SILT DIKE	[Symbol]	A silt dike barrier placed on a slope to prevent sediment from leaving areas of disturbed earth. The barrier is temporary, inexpensive and can be relocated/repaired.
Sd2A	EXCAVATED INLET SEDIMENT TRAP	[Symbol]	An impounding area created by excavating around a storm drain inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd2C	FILTER SACKS	[Symbol]	A below grade geotextile insert for graded inlets which traps sediment as stormwater runoff while allowing water to pass through.
Sd2D	CURB INLET SEDIMENT FILTER	[Symbol]	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	[Symbol]	An inlet sediment trap created by constructing a silt fence with cross braces supports around all four sides of the structure.
Sd2F	J-HOOK CURB TRAP	[Symbol]	Wet/dry, Geo-Blocks, etc. installed adjacent to the gutter to prevent sediment from entering the downstream inlet.
St	STORM DRAIN OUTLET PROTECTION	[Symbol]	A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.

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
---	TEMPORARY SEEDING AND MULCH
---	PERMANENT SOODING
---	PERMANENT MULCHING

LIMITS OF CONSTRUCTION	
---	1 LOC PHASE I LIMITS OF CONSTRUCTION

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



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-TRAILER, PARKING LAY DOWN, PORTA-TOILET, 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.

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

HALT ALL ACTIVITIES AND CONTACT THE CEC TO PERFORM INSPECTION OF BMPs. GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT STORM WATER PRE-CONSTRUCTION MEETING WITH THE CEC, WAL-MART CONSTRUCTION MANAGER, AGENCY(IES) 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. BMPs 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.

- BEGIN CONSTRUCTION OF UTILITY RELOCATIONS SERVING EXISTING WAL-MART BUILDING AND THE ADJACENT RETAIL SHOPS TO REMAIN.
- BEGIN CONSTRUCTION OF HIGHWAY K ROAD IMPROVEMENTS.
- BEGIN INSTALLATION OF UNDERGROUND DETENTION SYSTEM IN FRONT PARKING FIELD.
- 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.
- BEGIN CONSTRUCTION OF RETAINING WALL ON THE SOUTH SIDE OF THE PARKING LOT.
- INSTALL STORM SEWER PIPES ON THE NORTH SIDE OF THE MODIFIED EXISTING DETENTION BASIN.
- BEGIN CONSTRUCTION OF RETAINING WALL IN THE MODIFIED EXISTING DETENTION BASIN AND BEGIN FILLING IN EXISTING DETENTION POND.
- INSTALL BIP-RAP OUTLET PROTECTION AS INDICATED ON THE PLANS.
- INSTALL INLET PROTECTION AT ALL STORM SEWER STRUCTURES AS EACH INLET IS BROUGHT UP TO GRADE.
- INSTALL DIVERSIONS AS SHOWN ON THE PLANS.
- INSTALL WATER QUALITY RETROFITS ON EXISTING STORM SEWER INLETS.
- BEGIN INSTALLATION OF PERMANENT UNDERGROUND UTILITY RELOCATIONS. ADJUST BMPs TO ENCLOSE AREAS OF UTILITY CONSTRUCTION AS NECESSARY FOR PARTICULAR PHASE OF CONSTRUCTION.
- TEMPORARY SEED, THROUGHOUT CONSTRUCTION, DENIED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE.
- PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE.

IF BMPs SHOWN ARE NOT ADEQUATE TO CONTAIN SEDIMENTATION ONSITE, CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES TO CONTROL SEDIMENT. TEMPORARY SEDIMENT BASINS, STORM OUTLET PROTECTIONS, OR ANY OTHER STRUCTURAL MEASURES MUST BE DESIGNED 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.

- BEGIN DEMOLITION OF EXISTING RETAIL SHOPS, PAVEMENT, CURB AND UTILITIES IN THE EXPANSION AREA UPON WRITTEN APPROVAL FROM SITE OWNER AND CONSTRUCTION MANAGER.
- BRING BUILDING PAD UP TO GRADE WITH SUITABLE FILL MATERIAL.
- DEMOLISH EXISTING PAVEMENT IN FRONT PARKING FIELD AS NECESSARY TO BRING TO FINAL GRADE AND PREPARE SITE FOR PAVING/OVERLAY.
- 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.
- PAVE/OVERLAY THE PARKING LOT. INSTALL APPROPRIATE INLET PROTECTION DEVICES FOR PAVED AREAS AS WORK PROGRESSES.
- COMPLETE GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS.
- OBTAIN CONCURRENCE WITH THE WAL-MART CONSTRUCTION MANAGER THAT THE SITE HAS BEEN STABILIZED
- REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES.
- STABILIZE ANY AREAS DISTURBED BY THE REMOVAL OF BMPs, AND
- ASK THE CEC TO CONTACT THE CEC TO COMPLETE THE CEC NOT SITE INSPECTION AND REPORT.
- CONTINUE DAILY INSPECTION REPORTS UNTIL THE FINAL DAILY INSPECTION REPORT, MARKED "READY TO TERMINATE FRONT", IS SIGNED BY THE CONSTRUCTION MANAGER AND SUBMITTED VIA THE SWPPP MANAGEMENT TOOL.

EXISTING CONDITIONS LEGEND

- G.I. Grated Inlet
- C.I. Curb Inlet
- D.C.I. Dual Curb Inlet
- E.M. Electric Meter
- F.E. Flared End
- FE Fire Hydrant
- FL Flowline
- GM Gas Meter
- GV Gas Valve
- L.S. Light Standard
- M.H. Manhole
- PVC Poly Vinyl Chloride
- RCP Reinforced Concrete Pipe
- VCP Vitrified Clay Pipe
- T Top
- U.P. Utility Pole
- BM Bench Mark
- WM Water Meter
- W.V. Water Valve
- UE Underground Electric
- OE Overhead Electric
- T Telephone Line
- G Gas Line
- SS Sanitary Sewers
- F Fence Line
- W Water Line

"Little MO" says CALL BEFORE YOU DIG! 1-800-DIG-RITE

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

OFF-SITE RUN-ON ACREAGE SUMMARY				
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 72718
 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 II - SITE MAP EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

