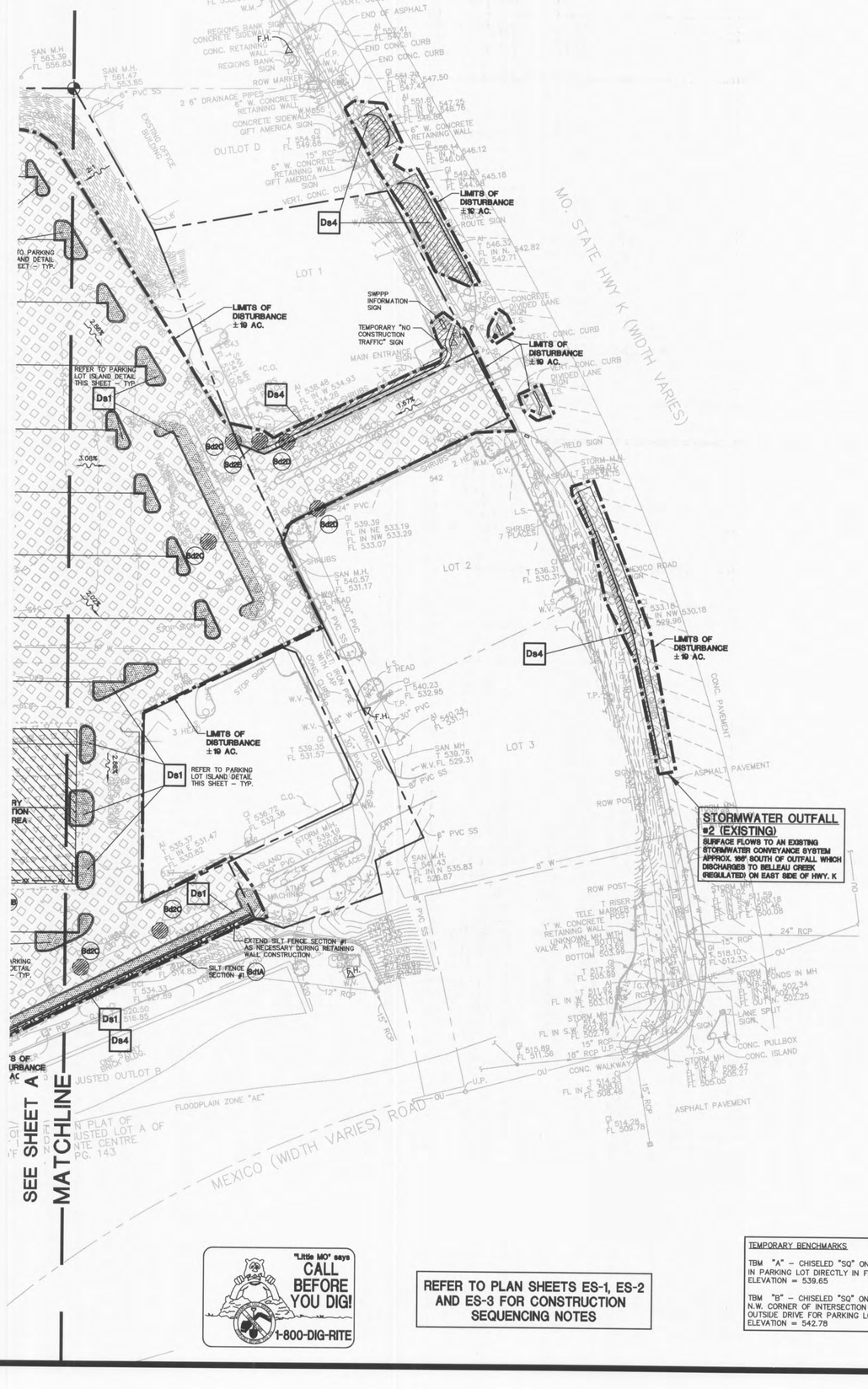


"Little MO" says CALL BEFORE YOU DIG! 1-800-DIG-RITE

REFER TO PLAN SHEETS ES-1, ES-2 AND ES-3 FOR CONSTRUCTION SEQUENCING NOTES

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

EXISTING CONDITIONS LEGEND

G.I.	Grated Inlet
C.I.	Curb Inlet
D.C.I.	Dual Curb Inlet
E.M.	Electric Meter
FE	Flared End
F.H.	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
W.M.	Water Meter
W.V.	Water Valve
–UE–	Underground Electric
–OE–	Overhead Electric
–T–	Telephone Line
–G–	Gas Line
–SS–	Sanitary Sewers
–X–	Fence Line
–W–	Water Line

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	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.

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 IMPLEMENTED 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 AREA(MUST MATCH NOI)	19 ACRES±
IMPERVIOUS AREA AT COMPLETION	21 ACRES±
PERVIOUS AREA AT COMPLETION	4 ACRES±

STRUCTURAL PRACTICES - PHASE III

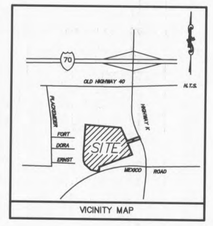
CODE	PRACTICE	MAP SYMBOL	DESCRIPTION
CoA	CONSTRUCTION EXIT		A crushed stone pad located at the construction exit to provide a place for removing mud from tires thereby protecting public streets.
CoB	TRUCK WASH OFF AREA		An area with a steel ribbed rack, used for scraping and washing mud off of vehicles tires and undercarriages prior to exiting the site.o
Fr	FILTER RING	(Fr)	A temporary stone barrier constructed at storm drain inlets and pond outlets.
Rt	TEMPORARY SEDIMENT BASIN RETROFIT	(Rt) (Label)	A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.
Sd1A	SEDIMENT BARRIER SILT FENCE	(Sd1A) (TYPE "C")	A silt fence barrier to prevent sediment from leaving the construction site. The barriers are usually temporary and inexpensive.
Sd1B	SEDIMENT BARRIER SILT DIKE	(Sd1B)	A silt dike barrier placed on existing pavement to prevent sediment from leaving areas of localized disturbance. The barriers are temporary, inexpensive and can be relocated/recycled
Sd2B	FLUME SEDIMENT FILTER	(Sd2B)	An inlet sediment filter for flumes created by placing concrete blocks, wire mesh and aggregate around the perimeter of the flume to filter runoff before entering the flume.
Sd2C	FILTER SACKS	(Sd2C)	A below grade geotextile insert for grated inlets which traps sediment in stormwater runoff while allowing water to pass through.
Sd2D	CURB INLET SEDIMENT FILTER	(Sd2D)	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	(Sd2E)	An inlet sediment trap created by constructing silt fence with cross brace supports around all four sides of the structure.
Sd2F	J-HOOK CURB TRAP	(Sd2F)	Wattles, Eco-Blocks, etc. installed adjacent to the gutter to prevent sediment from entering the downstream inlet.
St	STORM DRAIN OUTLET PROTECTION	(St)	A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.

VEGETATIVE PRACTICES - PHASE III

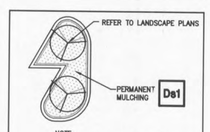
CODE	PRACTICE	MAP SYMBOL	DESCRIPTION
Ds1	DISTURBED AREA STABILIZATION(W/ MULCHING ONLY)	Ds1	Establishing temporary protection for disturbed areas where seedings may not have a suitable growing season to produce an erosion retarding cover.
Ds4	DISTURBED AREA STABILIZATION(W/ SODDING)	Ds4	A permanent vegetative cover using sod

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)



VICINITY MAP



NOTE:
TYPICAL PERMANENT STABILIZATION FOR ALL CURBED ISLANDS UNLESS NOTED OTHERWISE ON THE PLANS.

TYPICAL PERMANENT STABILIZATION FOR RAISED ISLANDS
N.T.S.

FERTILIZATION REQUIREMENTS Ds4

SPECIES	FERTILIZER (N–P–K)	RATE (lbs/AC)	NITROGEN TOP DRESSING RATE (lbs/AC)
FESCUE KENTUCKY BLUEGRASS	6–12–12	1,500	50–100

NOTE: APPLY LIME AT THE RATE OF 1 TON/ACRE

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.

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
- XXX — CONTOUR ELEVATIONS
- STORM DRAIN
- X.XX% — DIRECTION OF OVERLAND FLOW
- XX — SILT FENCE/SILT DIKE (IN PAVEMENT)
- TEMP. CONSTRUCTION STAGING AREA
- PERMANENT SODDING
- PERMANENT MULCHING

LIMITS OF CONSTRUCTION

SEE PHASING PLAN FOR ACTIVITIES TO OCCUR WITHIN EACH STAGE

- I LOC — PHASE I LIMITS OF CONSTRUCTION
- II LOC — PHASE II LIMITS OF CONSTRUCTION

REFER TO PLAN SHEET ES-4 FOR 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 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 III - SITE MAP EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

GRAPHIC SCALE

60 0 30 60 120 240

(IN FEET)
1 inch = 60 ft.

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

Wolverton & Associates
Consulting Engineers + Land Surveyors
6745 Sugarloaf Parkway • Suite 100 • Duluth, Georgia 30097
Phone: (770) 447-9999 • Fax: (770) 447-9070
www.wolverton-assoc.com

STATE OF MISSOURI
DAVID MARK WOLDRIDGE
NUMBER PE-2009021199
PROFESSIONAL ENGINEER
5/30/2008

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

DRAWN BY: CER
CHECKED BY: DMW
DATE: 05/30/2008
SCALE: 1"= 60'
JOB No.: 06-107
SHEET NUMBER: ES-3B
EDDS : 6060

06-107 V10.DWG