

ISSUE BLOCK

NO.	DESCRIPTION	DATE

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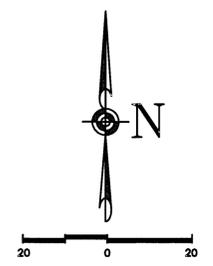


EROSION CONTROL PLAN

SHEET: SD1

LEGEND

- LD - LIMITS OF DISTURBANCE
- PS - FILTER BAG INLET PROTECTION
- SDP - SILT DIKE ON PAVEMENT
- SF - SILT FENCE
- - APPROXIMATE SAWCUT LIMITS
- > - DRAINAGE PATTERN
- - SOD/LANDSCAPING
- - RIPRAP PAD
- - SWPPP INFORMATION SIGN
- ◆ - TEMPORARY BENCHMARK (TBM)
- - CONSTRUCTION EXIT (ON PAVEMENT)
- - CONCRETE WASHOUT AREA
- > - RIDGELINES



PROJECT BENCHMARKS
 TBM #1 - STORM SEWER MANHOLE RIM
 ELEV. 302.71
 TBM #2 - WATER VALVE
 ELEV. 304.30

SWPPP IMPLEMENTATION SEQUENCE

- NOTE: UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAY-DOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, MASON'S AREA, FUEL AND MATERIAL STORAGE AREAS/CONTAINERS, SOLID WASTE CONTAINERS, ETC., IMMEDIATELY DEMOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS. IN ADDITION, NOTE ALL AREAS WHERE FILL IS IMPORTED FROM OR SOIL IS EXPORTED TO ON THE SITE MAPS.
- NOTE: DOWN SLOPE PROTECTIVE MEASURES MUST ALWAYS BE IN PLACE BEFORE SOIL IS DISTURBED. ACTIVITIES ARE PRESENT IN THE ORDER OR SEQUENCE IN WHICH THEY ARE REQUIRED TO BE COMPLETED.
1. INSTALL THE SWPPP INFORMATION SIGN AND POST REQUIRED DOCUMENTS NEAR THE PLANNED CONSTRUCTION EXIT, AND WITHIN EASY ACCESS TO THE GENERAL PUBLIC WITHOUT ENTERING THE SITE.
 2. INSTALL PERIMETER SEDIMENT CONTROL BMPs AND FILTER BAGS, AS SHOWN ON THE SITE MAP.
 3. PREPARE TEMPORARY STAGING AND STORAGE AREA AND ESTABLISH CONSTRUCTION EXIT.
 4. BEGIN DEMOLITION AND INSTALLATION OF FOUNDATION SYSTEMS AND UTILITIES.
 5. TEMPORARILY STABILIZE, THROUGHOUT CONSTRUCTION, THROUGHOUT THE COMPLETION OF THE MOST RECENT LAND DISTURBING/GRADING ACTIVITY, ANY DISTURBED AREAS, INCLUDING MATERIAL STOCKPILES THAT ARE SCHEDULED OR LIKELY TO REMAIN INACTIVE FOR 14 DAYS OR MORE. STABILIZATION PRACTICES SHALL BE IMPLEMENTED WITHIN 7 DAYS.
 6. COMPLETE UTILITY INSTALLATION.
 7. PREPARE SITE FOR PAVING.
 8. PAVE SITE.
 9. COMPLETE GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS.

GENERAL EROSION NOTES

- A. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THIS STORM WATER POLLUTION PREVENTION PLAN. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- B. BEST MANAGEMENT PRACTICES (BMPs) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- C. SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
- D. GENERAL CONTRACTOR IS TO DESIGNATE/IDENTIFY AREAS ON THE SITE MAPS, INSIDE OF THE LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL, AND DELIVERY AND MATERIAL STORAGE.
- E. GENERAL CONTRACTOR SHALL DEMONSTRATE TO PLAN CONTRACTOR'S TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES. EQUIPMENT MAINTENANCE AND CLEANING SHALL BE PERFORMED WITHIN THE LIMITS OF DISTURBANCE.
- F. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- G. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- H. DUST ON THE SITE SHALL BE MINIMIZED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- I. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- J. ALL DENuded/BARE AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE, MUST BE STABILIZED IMMEDIATELY UPON COMPLETION OF MOST RECENT GRADING ACTIVITY, WITH THE USE OF FAST-GERMINATING ANNUAL GRASS/GRAIN VARIETIES, STRAW/HAY MULCH, WOOD CELLULOSE FIBERS, TACKIFIERS, NETTING OR BLANKETS.
- K. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THE PLANS. THESE AREAS SHALL BE SEEDED, SOODED, AND/OR VEGETATED IMMEDIATELY, AND NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE CONSTRUCTION PLAN.
- L. THE TREES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD OR PARKING LOT. PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. ONLY USE INGRESS/EGRESS LOCATIONS AS PROVIDED.
- M. ALL MATERIALS (SPILL, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- N. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
- O. ON-SITE AND OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- P. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- Q. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION AND POLLUTANT DISCHARGE.

ALL MEASURES STATED ON THIS SITE MAP, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

EROSION CONTROL MEASURE MAINTENANCE REQUIREMENTS:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.
2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHALL BE FERTILIZED, WATERED, AND RESEDED AS NEEDED.
3. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC SWEEPING OF THE CONSTRUCTION EXITS AS CONDITIONS DEMAND.
4. THE TEMPORARY PARKING AND STORAGE AREAS SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC SWEEPING OF THE TEMPORARY PARKING AREA AS CONDITIONS DEMAND.
5. PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS, DIRT AND/OR SEDIMENT REACHING THE PUBLIC STREET OR PARKING LOT SHALL BE CLEANED IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.

DEVELOPER/OWNER
 WAL-MART REAL ESTATE BUSINESS TRUST
 MAIL STOP 5570
 2001 S.E. 10TH STREET
 BENTONVILLE, AR 72716-5570
 (479) 204-3314

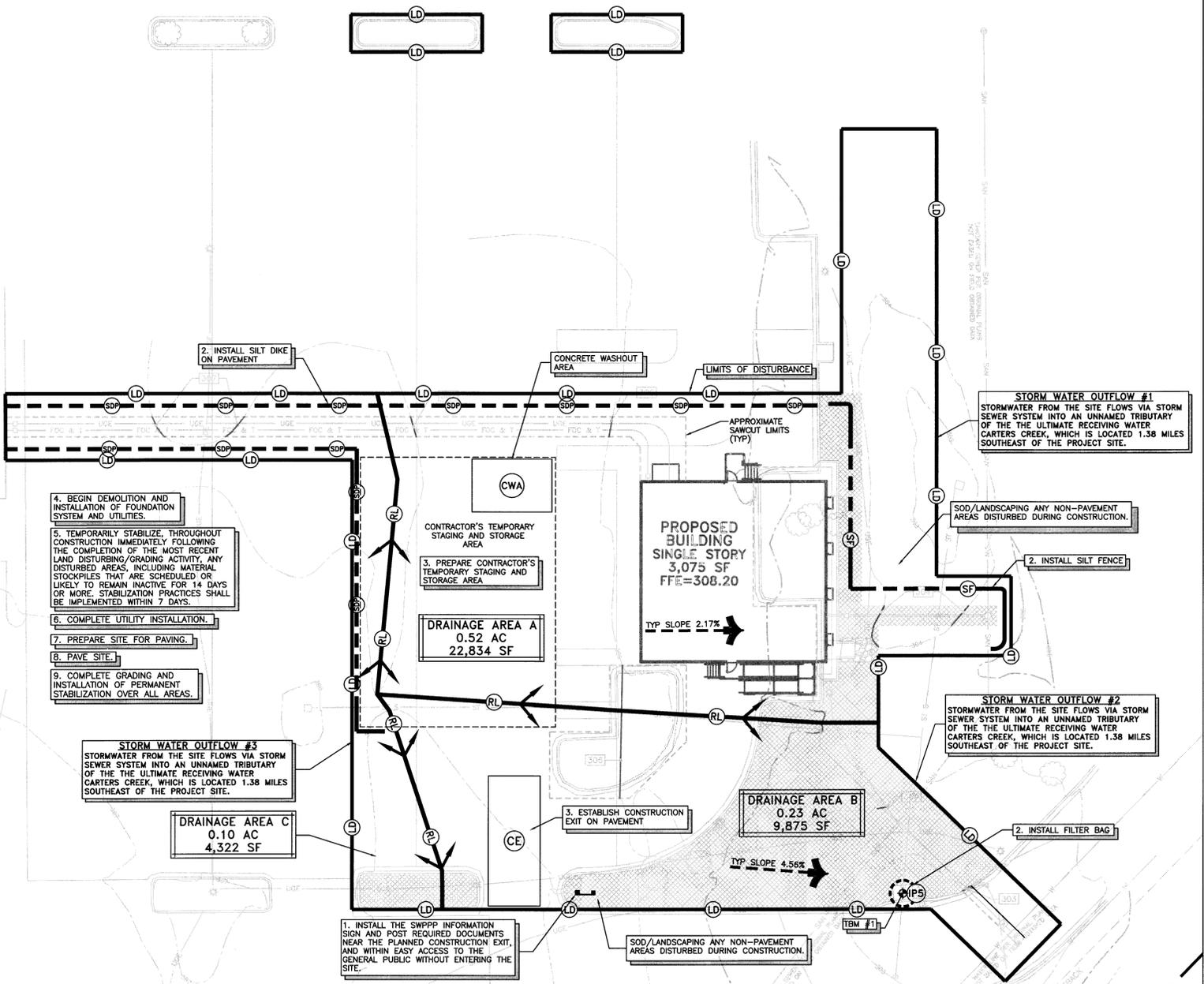
SITE OPERATOR/GENERAL CONTRACTOR:
 SUPERINTENDENT:

IMPORTANT: GC MUST SIGN ALL SHEETS AND ANY NEW PLAN SHEETS ISSUED BY THE CEC.



LEGAL: BRIARCREST WAL-MART, BLOCK 1, LOT 1 RR, 24.545 AC. ZONING: C-2
 OWNER: WAL-MART REAL ESTATE BUSINESS TRUST, INC. 2001 S.E. 10TH STREET BENTONVILLE, AR 72716-5570

EXISTING BUILDING
 202,307± SF



LIMITS OF DISTURBANCE
 CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH THE EROSION CONTROL SEQUENCING SHOWN ON THIS PLAN. NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARING AND/OR GRADING SHALL BE PERMITTED.

CAUTION NOTICE TO CONTRACTOR
 IF PROPERLY IMPLEMENTED, THIS PLAN WILL PROVIDE AN EFFECTIVE MEANS FOR CONTROLLING EROSION. HOWEVER, IT IS ACKNOWLEDGED THAT NO ONE PLAN CAN BE PREPARED THAT WILL DEPICT ALL POSSIBLE CONTROL MEASURES NECESSARY FOR VARIOUS STAGES OF CONSTRUCTION. THE CONTRACTOR SHALL INCLUDE IN THE BASE BID ADEQUATE FUNDS TO PROVIDE ALL EROSION CONTROL MEASURES NECESSARY TO COMPLY WITH CODES FOR THE DURATION OF THE CONSTRUCTION PROJECT.

SPECIFICATIONS REQUIREMENTS
 THE REQUIREMENTS SHOWN ON THIS PLAN ARE SUPPLEMENTED BY THE SWPPP CONTAINED WITHIN THE PROJECT SPECIFICATIONS. IN CASE OF CONFLICTS BETWEEN THE PLANS, SWPPP SPECIFICATIONS AND THE ACTUAL GENERAL PERMIT, THE MOST STRINGENT REQUIREMENTS SHALL APPLY.

TEMPORARY BENCHMARK NOTICE
 THE TEMPORARY BENCHMARKS IDENTIFIED WITHIN THE CONSTRUCTION PLAN SET ARE BASED ON EXISTING FEATURES IDENTIFIED DURING COMPLETION OF THE PROJECT SURVEY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE PRESENCE OF THE TEMPORARY BENCHMARKS AND THE ELEVATION INFORMATION PROVIDED. ANY DISCREPANCIES IDENTIFIED SHALL BE REPORTED TO THE CEC PRIOR TO PERFORMING ANY CONSTRUCTION ACTIVITIES.

UNDISTURBED AREA DELINEATION NOTICE
 PRIOR TO CONSTRUCTION, CONTRACTOR MUST CLEARLY DELINEATE AND MARK OFF AREAS IDENTIFIED IN THE SWPPP AND/OR AS DIRECTED IN THE FIELD, TO BE PROTECTED (SUCH AS, NATURAL BUFFERS, TREES, HABITATS OF ENDANGERED/ THREATENED SPECIES, HISTORIC PROPERTIES, ETC.).

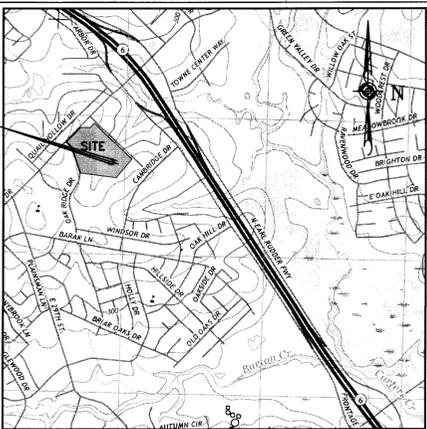
TRACK OUT PREVENTION
 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE VEHICLES ARE ADEQUATELY CLEANED PRIOR TO EXITING THE LIMITS OF DISTURBANCE TO PREVENT TRACK OUT. IF NEEDED THE CONTRACTOR SHALL IMPLEMENT A WHEEL WASH SYSTEM AT THE CONSTRUCTION EXIT. WATER FROM THE WHEEL WASH SYSTEM SHALL BE DIRECTED TOWARDS SITE BMPs, OR OTHERWISE FILTERED. THE CONTRACTOR SHALL ALSO HAVE AN ATTENDANT STATIONED AT THE CONSTRUCTION EXIT. THE ATTENDANT SHALL HAVE THE AUTHORITY TO PROHIBIT TRAFFIC FROM EXITING THE SITE IF IT APPEARS THAT VEHICLES EXITING THE SITE WILL CAUSE TRACK OUT. IT IS ULTIMATELY THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT TRAFFIC FROM THE SITE WILL NOT CAUSE TRACK OUT FROM THE PROJECT SITE. BY SUBMITTING A BID ON THE PROJECT, THE CONTRACTOR AFFIRMS THAT ADEQUATE FUNDS HAVE BEEN INCLUDED TO ADDRESS THESE REQUIREMENTS.

CONSTRUCTION EXIT NOTICE
 DUE TO THE NATURE OF THIS PROJECT, A STONE CONSTRUCTION EXIT WAS NOT PROVIDED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CLEAN VEHICLES PRIOR TO THEM EXITING THE CURRENT WORK AREA WITHIN THE LIMITS OF DISTURBANCE. ANY SEDIMENT OR DUST THAT HAS ACCUMULATED ON ANY EXISTING PAVED SURFACE SHALL BE CLEANED IMMEDIATELY. ANY WATER USED FOR CLEANING VEHICLES SHALL BE COLLECTED PRIOR TO LEAVING THE LIMITS OF DISTURBANCE OR BEFORE ENTERING THE EXISTING STORM DRAINAGE SYSTEM.

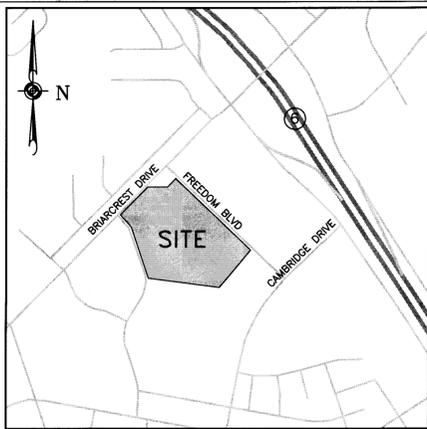
JOB TRAILER LOCATION AND SET-UP REQUIREMENTS
 IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE FINAL LOCATION AND SET UP (INCLUDING UTILITIES) OF JOB TRAILER WITH THE WALMART CONSTRUCTION MANAGER. CONTRACTOR SHALL OBTAIN APPROVAL FROM WALMART CONSTRUCTION MANAGER PRIOR TO BRINGING JOB TRAILER ONTO THE SITE. CONTRACTOR SHALL PROVIDE GENERATOR TO SUPPLY POWER TO JOB TRAILER AS PART OF BID FOR THIS PROJECT.

CONSTRUCTION EXIT NOTICE
 DUE TO THE NATURE OF THIS PROJECT, A STONE CONSTRUCTION EXIT WAS NOT PROVIDED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CLEAN VEHICLES PRIOR TO THEM EXITING THE CURRENT WORK AREA WITHIN THE LIMITS OF DISTURBANCE. ANY SEDIMENT OR DUST THAT HAS ACCUMULATED ON ANY EXISTING PAVED SURFACE SHALL BE CLEANED IMMEDIATELY. ANY WATER USED FOR CLEANING VEHICLES SHALL BE COLLECTED PRIOR TO LEAVING THE LIMITS OF DISTURBANCE OR BEFORE ENTERING THE EXISTING STORM DRAINAGE SYSTEM.

STORM WATER OUTFLOW #1-3
 STORMWATER FROM THE SITE FLOWS VIA STORM SEWER SYSTEM INTO AN UNNAMED TRIBUTARY OF THE ULTIMATE RECEIVING WATER CARTERS CREEK, WHICH IS LOCATED 1.38 MILES SOUTHEAST OF THE PROJECT SITE.



USGS QUADRANGLE MAP
 SCALE=1"=2000'



SITE LOCATION MAP
 SCALE=NTS

ACREAGE SUMMARY (IN ACRES)		
1	WALMART PROPERTY AREA	24.545
2	PERMITTED AREA WITHIN WALMART PROPERTY	0.75
3	PERMITTED AREA OUTSIDE OF WALMART PROPERTY	0.00
4	TOTAL PERMITTED PROJECT AREA (MUST MATCH NO)	0.75
5	IMPERVIOUS AREA BEFORE PROJECT	0.48
6	IMPERVIOUS AREA AT COMPLETION	0.52
7	PERVIOUS AREA AT COMPLETION	0.23

LAST REVISED: **SOURCE BOX**
JUNE 2013 **WAL-MART STANDARD DETAIL**

SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE	
NOTE: GENERAL CONTRACTOR TO COMPLETE TABLE WITH THEIR ESTIMATED PROJECT SCHEDULE	
CONSTRUCTION SEQUENCE	JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
TEMPORARY CONSTRUCTION EXIT	
TEMPORARY CONTROL MEASURES	
STRIP & STOCKPILE TOPSOIL	
ROUGH GRADING	
STORM FACILITIES	
SITE CONSTRUCTION	
FINISH GRADING	
PERMANENT CONTROL STRUCTURES	
FOUNDATION/BUILDING CONSTRUCTION	
LANDSCAPING/SOD/FINAL STABILIZATION	

1) CONTRACTOR MUST COMPLETE TABLE WITH ESTIMATED DATES OR PROJECT ACTIVITIES PRIOR TO BMP CERTIFICATION.
2) TIME SCHEDULE MUST COINCIDE WITH THE SWPPP IMPLEMENTATION SEQUENCE.

LAST REVISED: **SOURCE BOX**
APRIL 30, 2011 **WAL-MART STANDARD DETAIL**

- NOTES:
- PERMANENT STABILIZATION SHALL BE ACCOMPLISHED IN ALL DISTURBED AREAS BY COVERING THE SOIL WITH PAVEMENT, BUILDING STRUCTURES, VEGETATION, OR OTHER FORMS OF SOIL STABILIZATION.
 - THE GC IS REQUIRED TO INITIATE PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY UPON REACHING FINAL GRADE. FOR THOSE AREAS NOT AT FINAL GRADE THAT WILL NOT BE DISTURBED FOR GREATER THAN 14 DAYS, THE CONTRACTOR SHALL INITIATE TEMPORARY STABILIZATION PER THE TEMPORARY SEEDING OR STABILIZATION DETAIL.
 - THE GC HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETE SOIL PREPARATION, SEEDING, MULCHING, AND ANY OTHER REQUIRED ACTIVITIES RELATED TO THE PLANTING AND ESTABLISHMENT OF VEGETATION. THE GC ALSO HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETELY INSTALL NON-VEGETATED MEASURES, IF UTILIZED.
 - SOILS MUST BE PREPARED BEFORE INSTALLATION OF SOD OR SEED. SEE 02900 SPECIFICATION FOR INSTRUCTION ON PROPER SOIL PREPARATION.
 - AT THE COMPLETION OF GROUND-DISTURBING ACTIVITIES, THE ENTIRE SITE MUST HAVE PERMANENT VEGETATIVE COVER MEETING VEGETATIVE DENSITY REQUIREMENTS IN THE GENERAL PERMIT, OR MULCH PER LANDSCAPE PLAN, IN ALL AREAS NOT COVERED BY HARDSCAPE (STONE, PAVEMENT, BUILDINGS, ETC.).
 - SEEDING AREAS SHALL BE PROTECTED WITH STRAW MULCH, HYDRAULIC MULCH OR A ROLLED EROSION CONTROL PRODUCT. STRAW MULCH MUST BE TACKIFIED OR CHIMED BY DISC OR OTHER MACHINERY, AND ROLLED EROSION CONTROL PRODUCTS MUST BE INSTALLED PER MANUFACTURER RECOMMENDATIONS. ONLY ROLLED EROSION CONTROL PRODUCTS ARE PERMITTED TO BE USED IN FLOW CONVEYANCES.
 - ALL AREAS TO BE SEEDED MUST MEET TOPSOIL DEPTH, PH AND ORGANIC CONTENT REQUIREMENTS AS SPECIFIED IN THE 02900 SPECIFICATION - PLANTING OR XERISCAPE SPECIFICATION.
 - FINAL SITE STABILIZATION IS ACHIEVED WHEN PERENNIAL VEGETATIVE COVER PROVIDES PERMANENT STABILIZATION WITH A UNIFORM DENSITY GREATER THAN 70 PERCENT OVER THE ENTIRE AREA TO BE STABILIZED BY VEGETATIVE COVER. THIS AREA IS EXCLUSIVE OF AREAS THAT ARE COVERED WITH ROCK (CRUSHED GRANITE, GRAVEL, ETC.) OR LANDSCAPE MULCH, PAVED OR HAVE A BUILDING OR OTHER PERMANENT STRUCTURE ON THEM.

LAST REVISED: **SOURCE BOX**
JUNE 2012 **WAL-MART STANDARD DETAIL**

PS PERMANENT SEEDING, SOD OR MULCHING

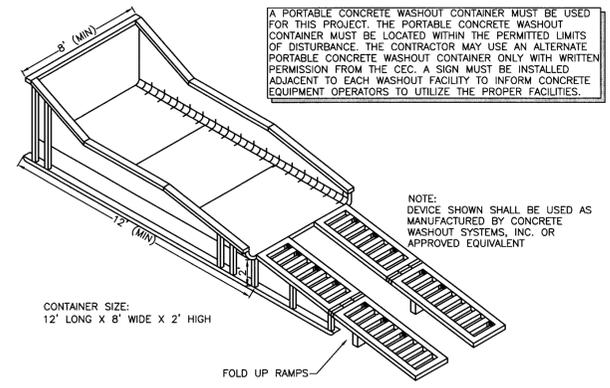
- NOTES:
- CONSIDERATION MUST BE GIVEN TO ANTICIPATED CLIMATE AND SEASONAL CONDITIONS WHEN PLANTING SEED.
 - SEED SHALL BE FREE OF WEEDY SPECIES AND APPROPRIATE FOR SITE SOILS AND REGIONAL CLIMATE. SEED AND MULCH PER THE CONSTRUCTION DRAWINGS AND THE 02900 PLANTING SPECIFICATION IMMEDIATELY AFTER TOPSOIL IS APPLIED AND FINAL GRADE IS REACHED.
 - THE SITE HAS ACHIEVED FINAL STABILIZATION ONCE ALL AREAS ARE COVERED WITH BUILDING FOUNDATION OR PAVEMENT, OTHER LANDSCAPING COVER (STONE, MULCH, ETC.), OR HAVE A STAND OF GRASS WITH A MINIMUM OF 70 PERCENT DENSITY OVER THE ENTIRE VEGETATED AREA, OR GREATER IN ACCORDANCE WITH THE GENERAL PERMIT REQUIREMENTS.
 - VEGETATED AREAS MUST BE WATERED, FERTILIZED, AND RESEEDED AS NEEDED TO ACHIEVE THIS REQUIREMENT.
 - THE VEGETATIVE DENSITY MUST BE MAINTAINED THROUGH PROJECT COMPLETION TO BE CONSIDERED STABILIZED. AREAS PROTECTED BY EROSION CONTROL BLANKETS ARE NOT PERMANENTLY STABILIZED UNTIL THE APPLICABLE GENERAL PERMIT REQUIREMENT FOR FINAL VEGETATIVE DENSITY IS ACHIEVED.
 - RIP-RAP, MULCH, GRAVEL, DECOMPOSED GRANITE OR OTHER EQUIVALENT PERMANENT STABILIZATION MEASURES MAY BE EMPLOYED IN LIEU OF VEGETATION BASED ON SITE-SPECIFIC CONDITIONS, DESIGN AND GOVERNING AUTHORITY APPROVAL.
 - ALL SEED AREAS SHALL BE INSPECTED REGULARLY TO CONFIRM THAT A HEALTHY STAND OF GRASS IS MAINTAINED.

SVR SEEDING/VEGETATION REQUIREMENTS

LAST REVISED: **SOURCE BOX**
JUNE 2012 **WAL-MART STANDARD DETAIL**

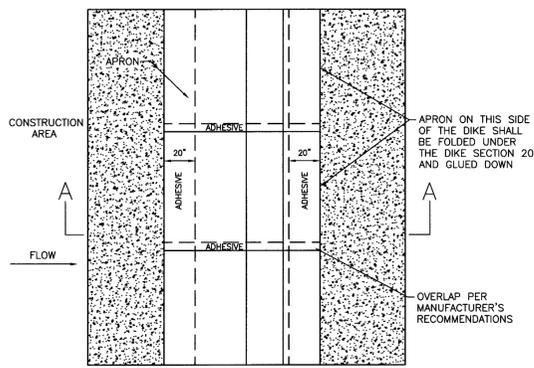
- SOD:**
- ALL SODDED AREAS SHALL BE BERMUDA GRASS.
 - SLOPES GREATER THAN 4:1 SHALL BE PEGGED TO HOLD SOD IN PLACE.
 - 3:1 SLOPES SHALL BE REINFORCED AND PEGGED TO HOLD SOD IN PLACE.
 - ALL AREAS TO BE SODDED SHALL RECEIVE A MINIMUM 4" LAYER OF SUITABLE TOPSOIL THAT MEETS THE CONDITIONS LISTED BELOW AND THAT HAS BEEN TILLED, FINE GRADED, AND HAS HAD ALL STONES, ROOTS, DEBRIS, ETC. REMOVED.
 - SUITABLE TOPSOIL SHALL MEET THE FOLLOWING REQUIREMENTS:
 - IT SHALL ALL BE A RICH EASILY FRIABLE BROWN OR BLACK LOAMY TO SANDY LOAM SOIL
 - 5% ORGANIC MATERIAL
 - PH OF 5.5 - 7.4
 - FREE OF WEEDS, LITTER, STIFF CLAY, OR STONES GREATER THAN 1" IN DIAMETER
 - HEAVY CLAYS AND FINE SILTY SOILS ARE NOT ACCEPTABLE
 - SOD SHALL BE LAID AS SOON AS IT IS DELIVERED TO PLANTING AREAS. ONLY HEALTHY MOIST GREEN SOD SHALL BE LAID. ANY SOD WHICH IS BROWN AND UNDER STRESS IS UNACCEPTABLE. ANY SOD WHICH IS NOT LAID WITHIN 24 HOURS OF DELIVERY SHALL BE UNACCEPTABLE.
 - SOD SHALL BE A MINIMUM OF 3/4" THICK, FREE OF WEEDS AND PESTS, AND CUT NO MORE THAN 24 HOURS PRIOR TO PLANTING.
 - SOD PANELS SHALL BE LAID TIGHTLY TOGETHER AND END JOINTS STAGGERED SO AS TO MAKE A SOLID SODDED AREA.
 - ANY JOINTS OR SEAMS THAT MAY EXIST AFTER LAYING SOD SHALL BE FILLED WITH SAND SO AS TO CREATE A SMOOTH AND UNIFORM GROWING SURFACE.
 - SOD SHALL BE ROLLED AND WATERED AT THE TIME OF INSTALLATION TO ENSURE GOOD SOD-SOIL CONTACT AND TO PROVIDE A SMOOTH, UNIFORM WALKING SURFACE.

SEEDING & SODDING NOTES



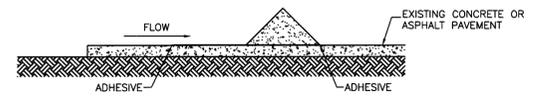
- NOTE: DEVICE SHOWN SHALL BE USED AS MANUFACTURED BY CONCRETE WASHOUT SYSTEMS, INC. OR APPROVED EQUIVALENT
- CONTAINER SIZE: 12' LONG X 8' WIDE X 2' HIGH
- NOTES:
- CONTAINER IS TO BE PORTABLE, TEMPORARY, SELF-CONTAINED, AND WATERTIGHT TO CAPTURE AND CONTAIN CAUSTIC CONCRETE WASTEWATER AND WASHOUT MATERIAL TO A CAPACITY OF APPROXIMATELY 350 YARDS OF POURED CONCRETE.
 - THE CONTAINER SHALL BE EQUIPPED WITH RAMPS. A RAMPLESS CONTAINER MAY BE USED IN CONJUNCTION WITH A RAMPED CONTAINER OR BY ITSELF IF A CONCRETE PUMP IS NOT NEEDED.
 - THE WASHOUT MUST BE DISPOSED OF OR TREATED AND RECYCLED IN AN ENVIRONMENTALLY SAFE MANNER AND IN ACCORDANCE WITH FEDERAL, STATE OR LOCAL REGULATIONS.
 - INSPECT AND CLEAN OUT WHEN 3/4 FULL, NOT ALLOWING THE CONTAINER TO OVERFLOW.
 - INSPECT WASTEWATER LEVEL AND REQUEST A VACUUM IF NEEDED.
 - INSPECT SUBCONTRACTORS TO ENSURE THAT PROPER HOUSEKEEPING MEASURES ARE EMPLOYED WHEN WASHING OUT EQUIPMENT.

LAST REVISED: **SOURCE BOX**
JUNE 2016 **MANUFACTURER STANDARD DETAIL**



DIKE PLAN VIEW

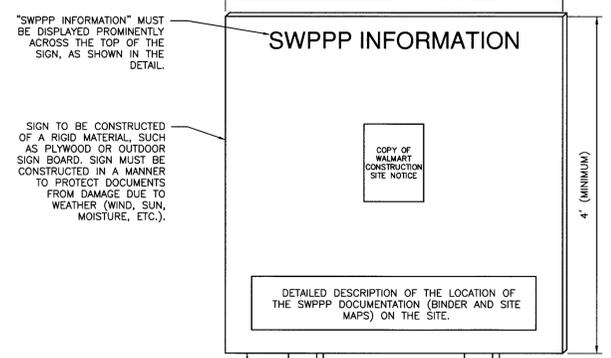
- NOTES:
- INSTALLED SILT DIKE UNIT SHALL HAVE CONTINUOUS AND FIRM CONTACT WITH PAVEMENT.
 - ADHESIVES SHALL BE LIQUID NAIL FOR CONCRETE PAVEMENT APPLICATIONS AND EMULSIFIED ASPHALT FOR ASPHALT APPLICATIONS.
 - ADHESIVE SHALL BE PLACED WHERE THE UNITS OVERLAP AND A 20" STRIP ALONG BOTH EDGES.
 - BMP REMOVAL SHALL INCLUDE REMOVAL OF ALL ADHESIVES APPLIED TO PAVEMENT SURFACE.



SECTION A-A

SILT DIKE (ON EXISTING PAVEMENT)

LAST REVISED: **SOURCE BOX**
JULY 1, 2010 **WALMART STANDARD DETAIL**



"SWPPP INFORMATION" MUST BE DISPLAYED PROMINENTLY ACROSS THE TOP OF THE SIGN, AS SHOWN IN THE DETAIL.

SIGN TO BE CONSTRUCTED OF A RIGID MATERIAL, SUCH AS PLYWOOD OR OUTDOOR SIGN BOARD. SIGN MUST BE CONSTRUCTED IN A MANNER TO PROTECT DOCUMENTS FROM DAMAGE DUE TO WEATHER (WIND, SUN, MOISTURE, ETC.).

- NOTES:
- THE SWPPP INFORMATION SIGN MUST BE LOCATED IN A PROMINENT, PUBLICLY ACCESSIBLE LOCATION NEAR THE MAIN ENTRANCE OF THE SITE, SUCH THAT THE DOCUMENTATION CAN BE READ WITHOUT ACCESSING THE JOBSITE, BUT NOT OBSTRUCTING VIEWS AS TO CAUSE A TRAFFIC SAFETY HAZARD.
 - ALL POSTED DOCUMENTS MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE NOTICE-OF-TERMINATION (NOT) IS FILED FOR THE PERMIT.
 - ALL PAGES OF NOTICES OF INTENT AND PERMIT AUTHORIZATIONS MUST BE POSTED. THE CONTRACTOR MAY UTILIZE ACCESSIBLE WATERPROOF FOLDERS TO STORE THESE DOCUMENTS IF IT WILL BE DIFFICULT TO POST ALL PAGES INDIVIDUALLY.
 - CONTRACTOR SHALL POST OTHER STORMWATER AND/OR EROSION AND SEDIMENT CONTROL RELATED PERMITS ON THE SIGN AS REQUIRED BY THE GOVERNING AGENCIES.
 - SUBSEQUENT PERMIT MODIFICATION REQUESTS OR RENEWAL APPLICATIONS AND THEIR ASSOCIATED AUTHORIZATIONS OR RESPONSES SHALL BE POSTED ON THE SWPPP SIGN.
 - SIGN SHALL BE LOCATED OUTSIDE OF PUBLIC RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED BY THE GOVERNING AGENCY.
 - CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY OF THE SWPPP INFORMATION SIGN.

SS SWPPP INFORMATION SIGN N.T.S.

LAST REVISED: **SOURCE BOX**
JUNE 2012 **WAL-MART STANDARD DETAIL**

SOD SHALL BE PEGGED ON ALL SLOPES 4:1 AND GREATER IN ORDER TO HOLD SOD IN PLACE. SEE SITESWORK SPECIFICATIONS FOR OTHER REQUIREMENTS.

PERMANENT SEEDING SHALL BE APPLIED BASED ON THE TIME OF YEAR AND TEMPERATURE OF SOIL.

ALL DISTURBED AREAS SHALL RECEIVE A 4" LAYER OF SUITABLE TOPSOIL AND HYDRO-SEED MULCH, OR SOD (WHERE SHOWN). AREA SHALL BE WATERED UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED. SOD MAY BE SUBSTITUTED FOR HYDRO-SEED IN TURF GRASS AREAS AT GENERAL CONTRACTOR'S DISCRETION WITH NO ADDITIONAL COST TO WALMART. SOD TYPE SHALL MATCH PERMANENT SOD TYPE SPECIFIED ON CONSTRUCTION PLANS.

PERMANENT SEED VARIETY SHALL BE 'TIFFON 419' IMPROVED BERMUDA GRASS.

SEED AT 3 LB / 1000 SQ. FT. WITH A QUALITY STARTER FERTILIZER AS RECOMMENDED BY SOIL TESTS.

EARLY FALL AND SPRING SEEDING ARE BEST. LATE SPRING / SUMMER PLANTINGS ARE NOT RECOMMENDED IN MOST LOCATIONS.

SEEDBED SHALL BE KEPT MOIST DURING GERMINATION AND EARLY ESTABLISHMENT. GERMINATES IN 14-21 DAYS WITH OPTIMAL SOIL TEMPERATURES, 55° - 80° F.

EXPECT FULL COVERAGE IN 8-10 WEEKS, WITH LIGHT USE AT 10-12 WEEKS.

FIRST MOWING RECOMMENDED WHEN TURF REACHES APPROXIMATELY 2" IN HEIGHT

DEVELOPER/OWNER
WAL-MART REAL ESTATE BUSINESS TRUST
MAIL STOP 5570
2001 S.E. 10TH STREET
BENTONVILLE, AR 72716-5570
(479) 204-3314
SITE OPERATOR/GENERAL CONTRACTOR:

SUPERINTENDENT:

LEGAL: BRIARCREST WAL-MART, BLOCK 1, LOT 1 RR, 24.545 AC. ZONING: C-2
OWNER: WAL-MART REAL ESTATE BUSINESS TRUST, INC. 2001 S.E. 10TH STREET, BENTONVILLE, AR 72716-5570

IMPORTANT: GC MUST SIGN ALL SHEETS AND ANY NEW PLAN SHEETS ISSUED BY THE CEC.

CARLSON CONSULTING ENGINEERS, INC.
1000 N. UNIVERSITY BLVD., SUITE 100
BENTONVILLE, AR 72716
TEL: (479) 251-6666 FAX: (479) 251-6667
WWW.CARLSONENGINEERS.COM

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CONSULTANTS

Walmart
BRYAN, TX
2200 BRIARCREST DR.
STORE NO. 0322-225
ACADEMY
JOB NUMBER

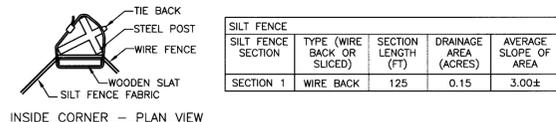
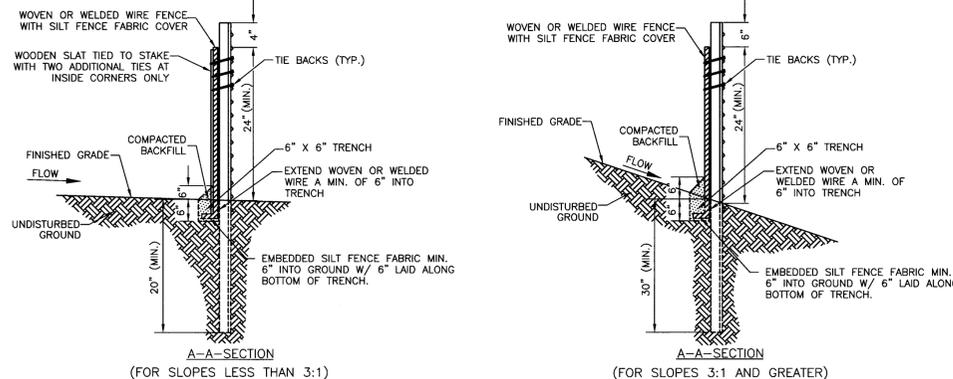
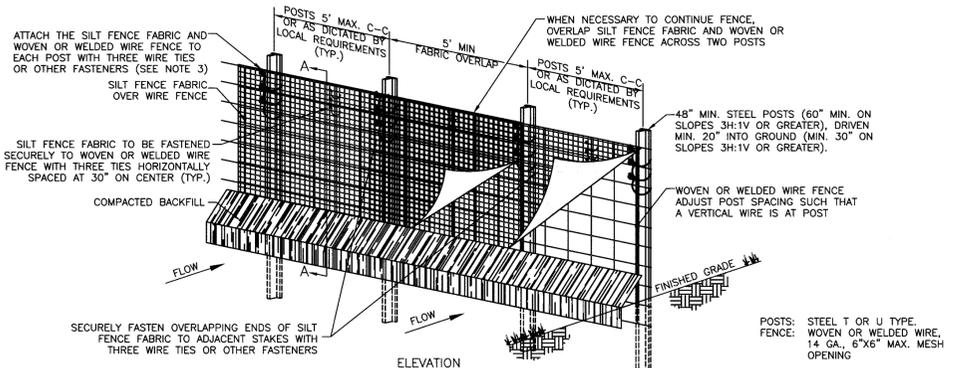
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CHECKED BY: NK
DRAWN BY: JKP
PROTO: 000 SC/DV
DOCUMENT DATE: 06/28/16



EROSION CONTROL DETAILS

SHEET: **SD2**



SILT FENCE SECTION	TYPE (WIRE BACK OR SLICED)	SECTION LENGTH (FT)	DRAINAGE AREA (ACRES)	AVERAGE SLOPE OF AREA
SECTION 1	WIRE BACK	125	0.15	3.00±

TABLE 1 Temporary Silt Fence Material Property Requirements

Test Method	Units	Supported ^a Silt Fence	Unsupported ^a Silt Fence	Type of Value	
Grab Strength	ASTM D 4632	N (lbs)			
	Machine Direction		400 (90)	550 (90)	MARV
Permeability [#]	ASTM D 4491	sec-1	0.05	0.05	MARV
	X-Machine Direction		400 (90)	450 (90)	MARV
Apparent Opening Size [#]	ASTM D 4751	mm (US Sieve #)	0.60 (30)	0.60 (30)	Max. ARV [®]
Ultraviolet Stability	ASTM D 4355	% Retained Strength	70% after 500 h of exposure	70% after 500 h of exposure	Typical

^aSilt fence support shall consist of 14 gauge steel wire with a mesh spacing of 150 mm (6 in.) or prefabricated polymer mesh of equivalent strength.
[#]These default values are based on empirical evidence with a variety of sediments. For environmentally sensitive areas, a review of previous experience and/or site or regionally specific geotextile tests in accordance with Test Method D 5141 shall be performed by the agency to confirm suitability of these requirements.
[®]As measured in accordance with Test Method D 4632.
TABLE 1 TAKEN FROM ASTM D 841-99 (2007)

- SPECIFICATIONS FOR SILT FENCE INSTALLATION**
- MATERIALS AND INSTALLATION SHALL COMPLY WITH ASTM D 6462 LATEST EDITION.
 - INSTALL SILT FENCE AT A FAIRLY LEVEL GRADE ALONG THE CONTOUR WITH THE ENDS CURVED UPHILL TO PROVIDE SUFFICIENT UPSTREAM STORAGE VOLUME FOR THE ANTICIPATED RUNOFF.
 - ATTACH THE GEOTEXTILE OR FABRIC TO THE WOVEN OR WELDED WIRE FENCE WITH THREE WIRE TIES OR OTHER FASTENERS (HORIZONTALLY SPACED EVERY 30"). ALL SPACED WITHIN THE TOP 8" OF THE FABRIC. ATTACH EACH TIE DIAGONALLY 45 DEGREES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1" VERTICALLY APART. AT EACH POST, ATTACH THE GEOTEXTILE OR FABRIC AND THE WOVEN OR WELDED WIRE FENCE TO THE POST AS PREVIOUSLY STATED. IN ADDITION, EACH TIE PLACED ON A POST SHALL BE POSITIONED TO HANG ON A POST NIPPLE WHEN TIGHTENED TO PREVENT SAGGING.
 - WHEN TWO SECTIONS OF SILT FENCE FABRIC ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED A MINIMUM OF 60" ACROSS TWO POSTS, AS SHOWN.
 - ALL SILT FENCE SHALL INCLUDE WIRE SUPPORT.
 - WRAP APPROXIMATELY 6" OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES.
 - COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC WITH THE FRONT WHEEL OF THE TRACTOR, SKID STEER, OR ROLLER EXERTING AT LEAST 60 POUNDS PER SQ. INCH. COMPACT THE UPSTREAM SIDE FIRST. COMPACT EACH SIDE TWICE FOR A TOTAL OF FOUR TRIPS.
 - ADD POST CAPS AS NEEDED BASED ON SITE CONDITIONS AND APPLICABLE AGENCY REQUIREMENTS.

- MAINTENANCE NOTES**
- SILT FENCES SHALL BE INSPECTED ALONG ITS ENTIRETY AND MUST BE CLEANED WHEN SEDIMENT HAS ACCUMULATED TO ONE-THIRD THE HEIGHT OF THE SILT FENCE. MAINTENANCE CLEANOUT MUST BE CONDUCTED REGULARLY TO PREVENT ACCUMULATED SEDIMENTS FROM REACHING ONE-THIRD THE HEIGHT OF THE SILT FENCE.
 - ALL MATERIAL EXCAVATED FROM BEHIND SILT FENCE SHALL BE STOCKPILED ON AN UPLAND PORTION OF THE SITE IF SUITABLE FOR REUSE.
 - SPECIAL ATTENTION SHALL BE PAID TO ENSURE THAT NO UNDERMINING OF SILT FENCE HAS OCCURRED AND THAT NO BYPASS IS OCCURRING AT JOINING SECTIONS.
 - IF EXCESS SEDIMENT IS ACCUMULATING IN ANY SECTION OF SILT FENCE, THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL UPSTREAM STABILIZATION MEASURES OR ADDITIONAL BMPs (PENDING CEC APPROVAL) TO PREVENT EXCESSIVE BUILDUP ON SILT FENCE.
 - SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED.

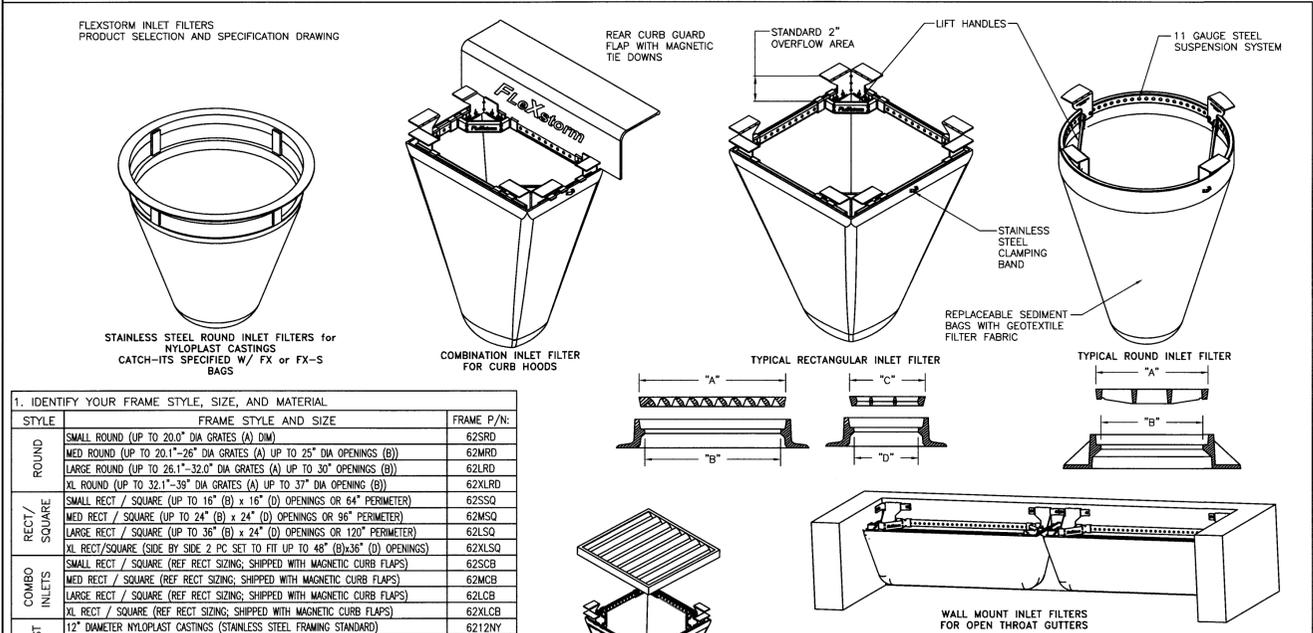
SEDIMENTATION/SILT FENCE WITH WIRE BACKING
N.T.S.

SOURCE BOX
LAST REVISED: WAL-MART MODIFIED
JUNE 2012 DETAIL

NOTICE TO CONTRACTOR

WHERE FILTER BAGS ARE SPECIFIED, THE CONTRACTOR SHALL USE FLEXSTORM INLET FILTERS BY NYLOPLAST FOR INLET PROTECTION. SINCE THE INLET FILTERS ARE CUSTOMIZED FOR EACH INLET, THE DETAIL PROVIDED SHALL BE USED FOR GENERAL INFORMATION ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ORDER THE APPROPRIATE FLEXSTORM INLET FILTER FOR EACH EXISTING OR PROPOSED, INLET TYPE REQUIRING PROTECTION. THE CONTRACTOR SHALL CONTACT GARVIN COX, OR THE LOCAL NYLOPLAST SALES REPRESENTATIVE, FOR ORDERING INFORMATION. AT A MINIMUM, THE CONTRACTOR SHALL BE PREPARED TO PROVIDE THE NYLOPLAST SALES REPRESENTATIVE INFORMATION RELATED TO INLET TYPE AND DIMENSIONS FOR EACH INLET REQUIRING PROTECTION.

Nyloplast
A Division of DS
GARVIN COX DIVISION
303 W.M. BIRCH LANE
BROWNWOOD, TX 76801
CELL: (915) 309-8259
FAX: (866) 843-1147
garvin.cox@nds-pipe.com



1. IDENTIFY YOUR FRAME STYLE, SIZE, AND MATERIAL

STYLE	FRAME STYLE AND SIZE	FRAME P/N:
ROUND	SMALL ROUND (UP TO 20.0" DIA GRATES (A) DIA)	62SRD
	MED ROUND (UP TO 20.1"-26" DIA GRATES (A) UP TO 25" DIA OPENINGS (B))	62MRD
	LARGE ROUND (UP TO 26.1"-32.0" DIA GRATES (A) UP TO 30" DIA OPENINGS (B))	62LRD
	XL ROUND (UP TO 32.1"-39" DIA GRATES (A) UP TO 37" DIA OPENING (B))	62XLRD
RECT/SQUARE	SMALL RECT/SQUARE (UP TO 16" (B) x 16" (D) OPENINGS OR 64" PERIMETER)	62SSQ
	MED RECT/SQUARE (UP TO 24" (B) x 24" (D) OPENINGS OR 96" PERIMETER)	62MSQ
	LARGE RECT/SQUARE (UP TO 36" (B) x 24" (D) OPENINGS OR 120" PERIMETER)	62LSQ
	XL RECT/SQUARE (SIDE BY SIDE 2 PC SET TO FIT UP TO 48" (B)x36" (D) OPENINGS)	62XLSQ
COMBO INLETS	SMALL RECT/SQUARE (REF RECT SIZING, SHIPPED WITH MAGNETIC CURB FLAPS)	62SCB
	MED RECT/SQUARE (REF RECT SIZING, SHIPPED WITH MAGNETIC CURB FLAPS)	62MCB
	LARGE RECT/SQUARE (REF RECT SIZING, SHIPPED WITH MAGNETIC CURB FLAPS)	62LCB
	XL RECT/SQUARE (REF RECT SIZING, SHIPPED WITH MAGNETIC CURB FLAPS)	62XLCB
NYLOPLAST	12" DIAMETER NYLOPLAST CASTINGS (STAINLESS STEEL FRAMING STANDARD)	6212NY
	15" DIAMETER NYLOPLAST CASTINGS (STAINLESS STEEL FRAMING STANDARD)	6215NY
	18" DIAMETER NYLOPLAST CASTINGS (STAINLESS STEEL FRAMING STANDARD)	6218NY
	24" DIAMETER NYLOPLAST CASTINGS (STAINLESS STEEL FRAMING STANDARD)	6224NY
WALL MOUNT	30" DIAMETER NYLOPLAST CASTINGS (STAINLESS STEEL FRAMING STANDARD)	6230NY
	OPEN THROAT GUTTERS - CURB OPENING SIZE	
	UP TO 4" (1 FILTER AND MOUNTING HARDWARE)	62WM1
	BETWEEN 4" AND 8" (2 FILTERS AND MOUNTING HARDWARE)	62WM2
BETWEEN 8" AND 12" (3 FILTERS AND MOUNTING HARDWARE)	62WM3	
BETWEEN 12" AND 16" (4 FILTERS AND MOUNTING HARDWARE)	62WM4	
UPGRADED FRAMING MATERIAL OPTIONS (STANDARD IS ZINC PLATED)		SUFFIX
CHROME PLATED FRAMING FOR HIGH SALT EXPOSURE		-CHR
STAINLESS STEEL FRAMING FOR HIGH SALT AND / OR CHEMICAL EXPOSURE		-SS

2. SELECT YOUR FILTER BAG PART NUMBER

FLEXSTORM FILTER BAGS	(22" DEPTH)	(12" DEPTH)	CLEAN WATER FLOW RATE (GPM/SQFT)	MIN A.O.S. (US SIEVE)
FX: STANDARD WOVEN BAG	FX	FX-S	200	40
FX+: WOVEN W/ MYCELEX	FXP	FXP-S	200	40
FXO: WOVEN W/OIL BOOM	FXO	FXO-S	200	40
PC: POST CONSTRUCTION BAG	PC	PC-S	137	140
PC+: PC BAG W/ MYCELEX	PCP	PCP-S	137	140
LL: LITTER AND LEAF BAG	LL	LL-S	HIGH	3.5
IL: IDOT NON-WOVEN BAG	IL	IL-S	145	70

- INSTALLATION:**
- REMOVE GRATE
 - DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
 - REPLACE GRATE

3. CREATE YOUR FLEXSTORM INLET FILTER PART NUMBER

FRAME P/N FROM STEP 1	FILTER BAG P/N FROM STEP 2	FRAMING MATERIAL

SPECIFICATIONS FOR STANDARD BAGS BY NOMINAL SIZE

NOMINAL BAG SIZE	SOLIDS STORAGE (CU FT)	FX (WOVEN)	PC (POST CONSTR)	IL (NON WOVEN)	*PC OIL RETENT (OZ)	**PCP OIL RETENT (OZ)
SMALL	1.6	1.2	0.8	0.9	66	155
MEDIUM	2.1	1.8	1.2	1.3	96	185
LARGE	3.8	2.2	1.5	1.6	120	209
XL	4.2	3.6	2.4	2.6	192	370

*PC FILTER BAG AT 50% MAX ABSORPTION CAPACITY
**PCP FILTER BAG AT 50% CAPACITY AND MYCELEX SKIMMER AT 100% CAPACITY

ALL PRODUCTS MANUFACTURED BY INLET & PIPE PROTECTION, INC. DISTRIBUTED BY ADS
WWW.INLETFILTERS.COM
(866) 287-8655 PH
(630) 355-3477 FX
INFO@INLETFILTERS.COM

SOURCE BOX
LAST REVISED: MANUFACTURER
APRIL 22, 2013 DETAIL



DEVELOPER/OWNER
WAL-MART REAL ESTATE BUSINESS TRUST
MAIL STOP 5570
2001 S.E. 10TH STREET
BENTONVILLE, AR 72716-5570
(479) 204-3314
SITE OPERATOR/GENERAL CONTRACTOR:
SUPERINTENDENT:

LEGAL: BRIARCREST WAL-MART, BLOCK 1, LOT 1 RR, 24.545 AC. ZONING: C-2
OWNER: WAL-MART REAL ESTATE BUSINESS TRUST, INC. 2001 S.E. 10TH STREET BENTONVILLE, AR 72716-5570

IMPORTANT: GC MUST SIGN ALL SHEETS AND ANY NEW PLAN SHEETS ISSUED BY THE CEC.

CARLSON CONSULTING ENGINEERS, INC.
1000 W. 10TH STREET
BENTONVILLE, AR 72716
(479) 204-3314
FAX: (479) 204-3314

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CONSULTANTS

Walmart
BRYAN, TX
2200 BRIARCREST DR.
STORE NO. 0322-225
ACADEMY
JOB NUMBER

ISSUE BLOCK

NO.	DATE	DESCRIPTION

CHECKED BY: NK
DRAWN BY: JKP
PROTO: 000 SC/DV
DOCUMENT DATE: 06/28/16



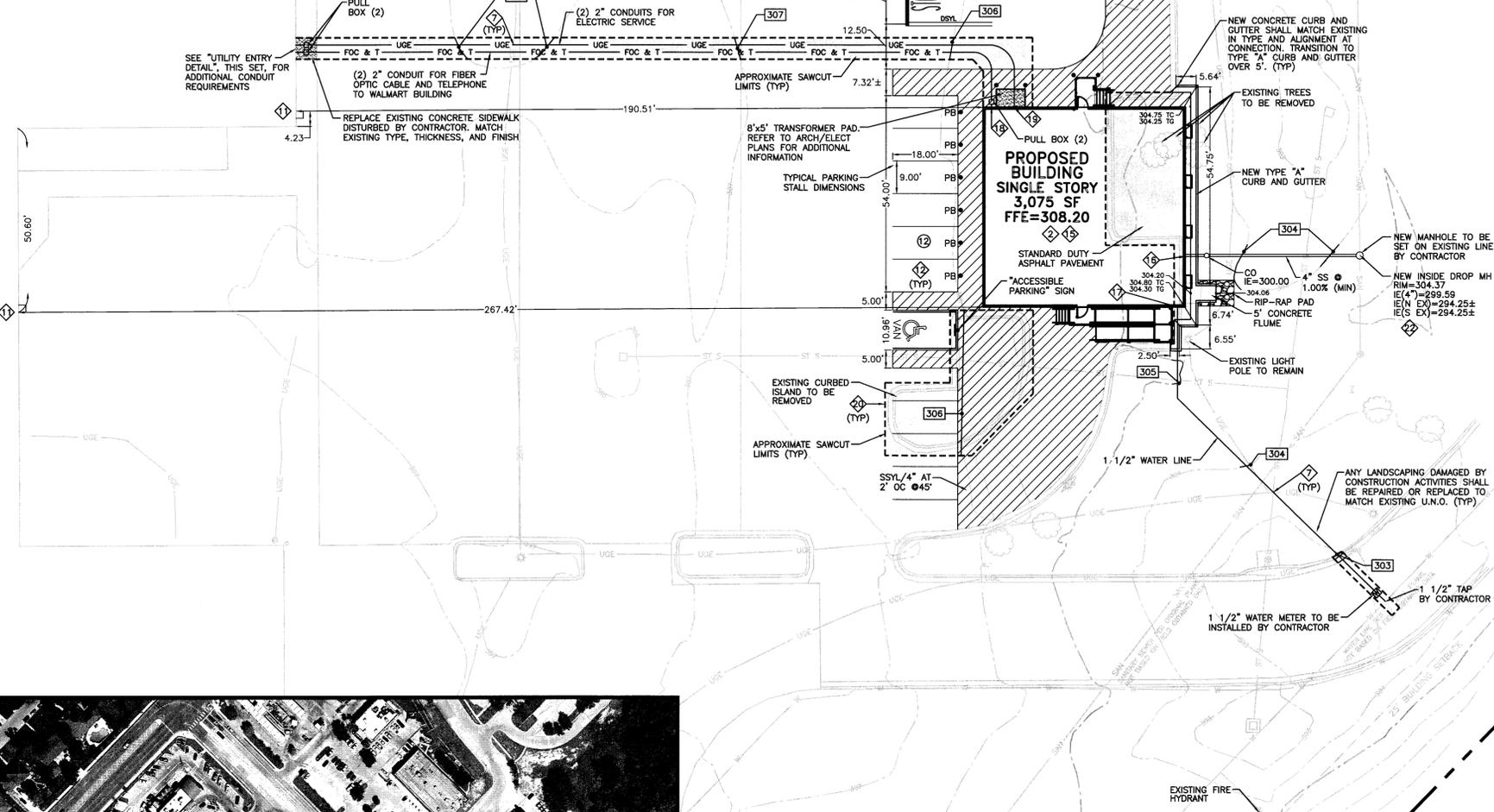
EROSION CONTROL DETAILS

SHEET: SD3

CAUTION - NOTICE TO CONTRACTOR

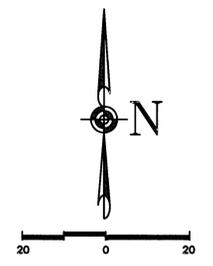
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES, APPURTENANCES AND IMPROVEMENTS WHICH CONFLICT WITH THE IMPROVEMENTS SHOWN BY THESE PLANS.

EXISTING BUILDING
202,307± SF



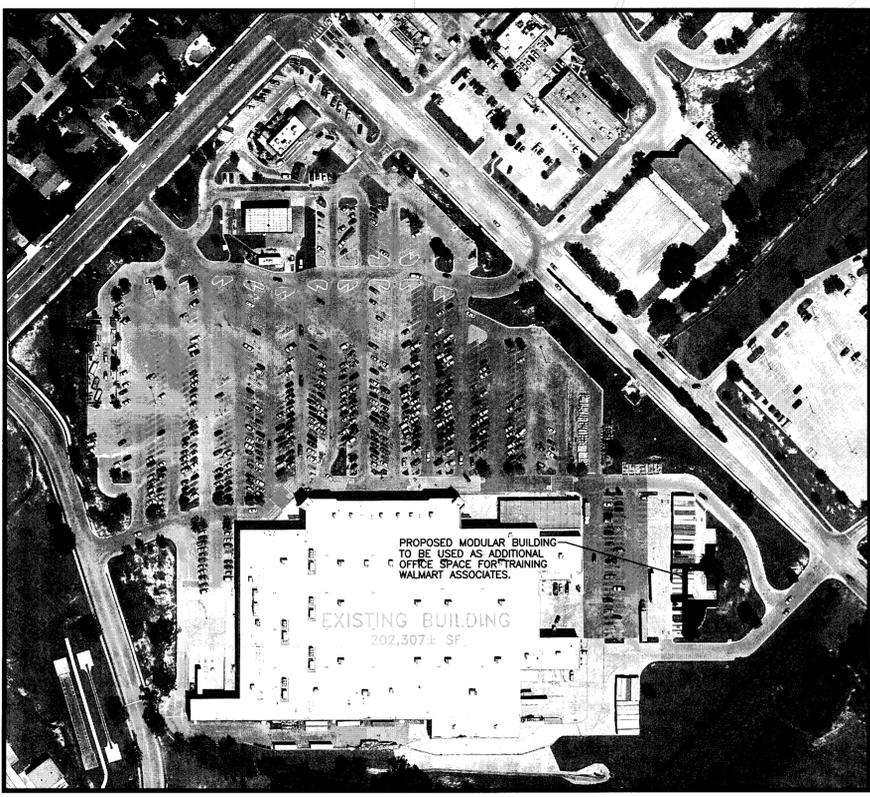
LEGEND

- PROPERTY LINE
- STANDARD DUTY ASPHALT PAVEMENT
- ARCHITECTURAL CONCRETE
- APPROXIMATE SAWCUT LIMITS
- STRIPED ISLAND
- RIPRAP PAD
- ACCESSIBLE PARKING SYMBOL
- SIGN
- UNDERGROUND ELECTRIC
- FIBER OPTIC & TELEPHONE
- CURB & GUTTER
- PARKING COUNT
- DOUBLE SOLID YELLOW LINE



NOTES:

1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL AHJ REGULATIONS AND CODES, O.S.H.A. STANDARDS, AND WALMART SPECIFICATIONS. MOST STRINGENT REQUIREMENTS SHALL GOVERN.
2. CONTRACTOR SHALL REFER TO THE BUILDING PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF RAMPS, SIDEWALKS, EXIT PORCHES, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
3. ALL DISTURBED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL OR LANDSCAPING TO MATCH EXISTING CONDITIONS, SOD, AND WATER UNTIL ESTABLISHED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SPECIFIC FIRE LANE MARKING AND SIGNAGE REQUIREMENTS WITH THE AUTHORITY HAVING JURISDICTION. BY SUBMITTING A BID ON THE PROJECT THE CONTRACTOR AFFIRMS THAT ADEQUATE FUNDS HAVE BEEN INCLUDED TO ADDRESS THIS REQUIREMENT.
5. CONSTRUCTION PLANS PREPARED FROM LIMITED TOPOGRAPHIC SURVEY AND INFORMATION PROVIDED BY OWNER AND OTHERS TO CEC. TITLE COMMITMENT WAS NOT MADE AVAILABLE TO CEC AT TIME OF PLAN PRODUCTION.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, (UNLESS OTHERWISE NOTED ON PLANS) INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES REQUIREMENTS AND PROJECT SITEWORK SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
7. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN PERFORMING CONSTRUCTION ACTIVITIES IN THE VICINITY OF EXISTING UTILITIES. EXISTING UTILITIES THAT CONFLICT WITH THE PLANNED REPAIR WORK SHALL BE RELOCATED OR LOWERED IN PLACE BY THE CONTRACTOR TO MEET THE SEPARATION AND MINIMUM REQUIREMENTS ESTABLISHED BY LOCAL CODE. CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE WALMART CONSTRUCTION MANAGER AND WALMART MANAGER A MINIMUM OF 72 HOURS PRIOR TO ANY PLANNED DISRUPTION TO UTILITY SERVICES. TEMPORARY UTILITY SERVICES SHALL BE USED IF REQUIRED TO ALLOW FOR NORMAL STORE OPERATION. ANY COSTS ASSOCIATED WITH THIS WORK SHALL BE IN THE CONTRACTOR'S LUMP SUM PRICE FOR THE OVERALL PROJECT.
8. ALL PAVEMENT MARKINGS SUCH AS DIRECTIONAL ARROWS AND LETTERING SHALL BE PAINTED USING TEMPLATES. ALL NEW STRIPING SHALL BE PAINTED (TWO COATS) PER THE SITE WORK SPECIFICATIONS.
9. DIMENSIONS SHOWN ALONG THE PARKING ROW FOR THE PARKING SPACE LAYOUT ARE TO THE CENTER OF THE 4" STRIPES. ALL OTHER DIMENSIONS ARE TO THE EDGE OF UTILITY U.N.O.
10. PAINTED ISLAND TYPICAL UNLESS NOTED OTHERWISE. STRIPES SHALL BE PAINTED SYSL/4" AT 2'-0" O.C. @ 45° SPACE.
11. BUILDING TIES SHOWN FROM THE CORNER OF BUILDING TO A POINT PERPENDICULAR TO THE EXISTING BUILDING WALL.
12. ALL EXISTING STRIPING THAT CONFLICTS WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED BY BEAD BLASTING.
13. CONTRACTOR SHALL ENSURE ANY STRIPING TO REMAIN IMPACTED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED OR REPLACED TO MATCH EXISTING.
14. ALL NECESSARY INSPECTIONS, APPROVALS, AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR AUTHORITIES SHALL BE COMPLETED PRIOR TO THE ANNOUNCED BUILDING POSSESSION AND THE FINAL CERTIFICATION OF SERVICES.
15. ANY ASPHALT REMOVED UNDER THE PROPOSED BUILDING SHALL BE REPLACED PER THE PAVING SECTION DETAIL.
16. 4" SANITARY SEWER ENTRY. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
17. 1 1/2" DOMESTIC WATER ENTRY. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
18. FIBER OPTIC & TELEPHONE ENTRY. CONTRACTOR SHALL EXTEND CONDUITS TO THE BUILDING STUB OUT PROVIDED BY OTHERS AND SHALL PROVIDE AND INSTALL ALL PULL BOXES AND OTHER APPURTENANCES REQUIRED BY OWNER. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
19. ELECTRIC ENTRY. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
20. EDGE OF NEW PAVEMENT TO MATCH ELEVATION OF EXISTING.
21. CONTRACTOR SHALL VERIFY AS-BUILT INVERT ELEVATION AND ADVISE ENGINEER OF ANY DISCREPANCIES.
22. CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED FROM APPROPRIATE UTILITY COMPANIES AND CONTRACTOR HAS BEEN NOTIFIED.
23. CONTRACTOR SHALL COORDINATE WITH UTILITY PROVIDERS FOR REQUIREMENTS OF UTILITY SERVICES. ALL APPURTENANCES REQUIRED BUT NOT PROVIDED BY THE UTILITY PROVIDERS SHALL BE SUPPLIED BY THE CONTRACTOR AND INSTALLED PER THE UTILITY PROVIDER'S REQUIREMENTS.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ANY UTILITY COMPANY WHICH MAINTAINS A UTILITY LINE WITHIN THE BOUNDARIES OF THE PROJECT PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ASSUME THE RESPONSIBILITY FOR ANY DAMAGE, INCURRED BY ANY UTILITY COMPANY, TO THEIR LINES AS A RESULT OF HIS ACTIVITIES, WHETHER THESE LINES ARE SHOWN ON THE CONSTRUCTION PLANS OR NOT.
25. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF THE EXISTING CONDITIONS OF THE SITE, AND OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT HIMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE HIM OF ANY RESPONSIBILITY FOR PERFORMING HIS WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO THE FAILURE OF THE GENERAL CONTRACTOR TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.
26. PRIOR TO THE START OF CONSTRUCTION OF OR CONNECTION TO ANY SANITARY SEWER, WATER MAIN OR ANY OF THE DRY UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM CARLSON CONSULTING ENGINEERS, INC. AND THE OWNER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION. CARLSON CONSULTING ENGINEERS, INC. AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO DO SO.



FIBER OPTIC CABLE AND TELEPHONE LINE CONDUIT REQUIREMENTS

CONDUIT
THE CONDUIT DIAMETER SHALL BE AS FOLLOWS:
FIBER OPTIC CABLE AND TELEPHONE LINE CONDUIT - ALL LOCATIONS - TWO (2) 2" CONDUITS. THE CONDUITS SHALL BE 2" DIAMETER CARLON TYPE "DB" DIRECT BURIAL TELEPHONE DUCT OR OR 2" SCHEDULE 40 PVC. INSTALL GALVANIZED PULL WIRE OR PROPYLENE POLYETHYLENE ROPE WITH A MINIMUM PULLING TENSION OF 100 POUNDS IN EACH CONDUIT. THE MINIMUM BURIAL DEPTH SHALL BE 24". INSTALL AN ORANGE DETECTABLE HAZARD TAPE WITH INTEGRAL "BURIED FIBER OPTIC CABLE" WORDING, 12" ABOVE THE TRENCHED CONDUITS.

BENDS
ALL CHANGES IN DIRECTION OF THE FIBER OPTIC CONDUIT WILL REQUIRE LONG FACTORY SWEEPS (NOT STANDARD SWEEPS) WITH RADIUS NOT LESS THAN 10 TIMES THE DIAMETER OF THE CONDUIT. NO MORE THAN TWO (2) 90 DEGREE BENDS WILL BE ALLOWED BETWEEN PULLING POINTS, OR A TOTAL OF 180 DEGREES COMBINED IN SEVERAL BENDS. BOXES SHALL BE LOCATED EVERY 300' FOR FIBER OPTIC CONDUIT UNLESS THE COMBINED TOTAL OF BENDS REQUIRES ADDITIONAL BOXES. CONDUIT SHOULD ENTER AND EXIT THE PULL BOXES 180 DEGREES APART.

PULL BOXES
ALL PULL BOXES LOCATED IN PAVED AREAS SUBJECT TO TRUCK TRAFFIC SHALL BE "H-20" LOAD RATED. THE TYPICAL PULL BOX SIZE FOR FIBER OPTIC CONDUIT SHALL BE 18"x24"x24". DEEPER BOXES MAY BE REQUIRED WHEN THE CONDUIT ALIGNMENT IS AFFECTED BY OTHER UTILITIES. THE PULL BOX SHALL BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS WITH A CONCRETE COLLAR AND A MINIMUM OF 8" OF GRAVEL COMPACTED PER THE PROJECT SPECIFICATIONS. IF USING A PULL BOX TO CHANGE DIRECTION FOR THE FIBER OPTIC CONDUIT, THE MINIMUM BOX SIZE SHALL BE 48"x48"x24" PRE-CAST CONCRETE WITH A SEPARATE MANHOLE AND LID COLLAR.

NOTICE TO CONTRACTOR

THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE DAMAGE TO EXISTING ITEMS TO REMAIN DOES NOT OCCUR. THESE PRECAUTIONS SHALL INCLUDE, BUT ARE NOT LIMITED TO USE OF LIGHTLY LOADED EQUIPMENT IN ORDER TO PREVENT DAMAGE TO EXISTING ROADWAYS AND INFRASTRUCTURE. UNLESS NOTED OTHERWISE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO ANY EXISTING ON-SITE OR OFF-SITE ITEMS INCLUDING RELATED APPURTENANCES THAT WILL REMAIN IN PLACE AFTER CONSTRUCTION ACTIVITIES ARE COMPLETE. THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO DRAINAGES, UTILITIES, CURBS, PAVEMENT, LANDSCAPING, IRRIGATION SYSTEMS, FENCING, RETAINING WALLS, PUBLIC ROADWAYS, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS, AND SHALL BE TO THE SATISFACTION OF THE OWNER OF THE REPAIRED ITEM. PRIOR TO MAKING ANY REPAIRS, THE CONTRACTOR SHALL SUBMIT DETAILED REPAIR METHODOLOGY TO THE CEC AND WALMART CM. REPAIRS SHALL NOT BEGIN UNTIL WRITTEN APPROVAL FROM THE CEC AND WALMART CM HAS BEEN ISSUED. CONTRACTOR SHALL DOCUMENT ANY EXISTING DAMAGE WITH PHOTOS, VIDEOS, ETC., AND NOTIFY THE WALMART CONSTRUCTION MANAGER PRIOR TO COMMENCING CONSTRUCTION IN THE AREA OF THE EXISTING DAMAGED ITEM.

PARKING INFORMATION

	BUILDING SQ.FT. ¹	PARKING REQUIRED SPACES	TOTAL PARKING PROVIDED SPACES ^{2,3}	TOTAL PARKING RATIO SPACES ³
PROPOSED BUILDING	3,075	4.00/1,000 = 12 SPACES	989 SPACES (EXISTING)	4.82/1,000 SQ.FT. (EXISTING)
WALMART (EXISTING)	202,307	4.00/1000=809 SPACES	973 SPACES (POST DEVELOPMENT)	4.73/1,000 SQ.FT. (POST DEVELOPMENT)
TOTAL	205,382	822 SPACES		

- NOTES**
1. EXISTING AND PROPOSED BUILDING SIZE PROVIDED BY CYNTERGY, INC.
 2. EXISTING PARKING COUNTS ARE BASED ON ORIGINAL CONSTRUCTION PLANS PROVIDED BY OTHERS AND A REVIEW OF AVAILABLE AERIAL PHOTOGRAPHS.
 3. PARKING SPACES OCCUPIED BY CART CORRALS HAVE BEEN EXCLUDED FROM THE PARKING COUNTS AND PARKING RATIOS.

CARLSON CONSULTING ENGINEERS, INC.
1000 W. BENTONVILLE BLVD. SUITE 100
BENTONVILLE, AR 72716
TEL: (479) 254-2525 FAX: (479) 254-2526
www.carlsonce.com

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THIS DRAWING WAS PREPARED FOR USE ON A SPECIFIC SITE. IT IS NOT TO BE REUSED FOR ANY OTHER PROJECT OR DATE ON 06/28/16 AND IT IS NOT TO BE REUSED FOR ANY OTHER PROJECT DATE OR AT A LATER TIME. THE USER OF THIS DRAWING FOR ANY OTHER PROJECT IS TO BE CONSIDERED AS A USER OF ANOTHER PROJECT. CARLSON CONSULTING ENGINEERS, INC. AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO DO SO.

CONSULTANTS

Walmart
BRYAN, TX
2200 BRIARCREST DR.
STORE NO. 0322-225
ACADEMY
JOB NUMBER

ISSUE BLOCK

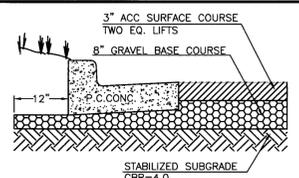
CHECKED BY: NK
DRAWN BY: JKP
PROTO: 000 SC/DV
DOCUMENT DATE: 06/28/16

STATE OF TEXAS
S. JARMON PEREGOY, II
98712
LICENSED PROFESSIONAL ENGINEER
7/15/2016

Texas 811
Know what's below.
Call before you dig.

LEGAL: BRIARCREST WAL-MART, BLOCK 1, LOT 1 RR, 24.545 AC. ZONING: C-2
OWNER: WAL-MART REAL ESTATE BUSINESS TRUST, INC. 2001 S.E. 10TH STREET BENTONVILLE, AR 72716-5570

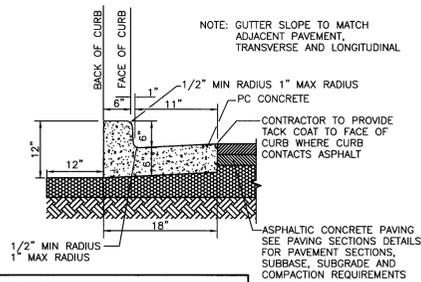
IMPROVEMENT PLAN
SHEET: SD4



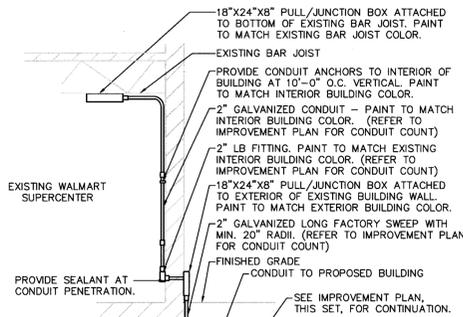
STANDARD DUTY ASPHALT PAVING

- NOTES:
1. PREPARE PAVEMENT SUBGRADE IN ACCORDANCE WITH THE SITEWORK SPECIFICATIONS.
 2. GRANULAR BASE COURSE MATERIALS SHALL CONSIST OF CRUSHED LIMESTONE OR CRUSHED CONCRETE MEETING ALL OF THE REQUIREMENTS OF 2004 TxDOT ITEM 247, TYPE A OR D, GRADE 1, INCLUDING TRIAXIAL STRENGTH.
 3. HOT MIX ASPHALTIC CONCRETE SURFACE COURSE SHALL CONFORM TO THE REQUIREMENTS FROM THE 2004 TxDOT "STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS, AND BRIDGES" ITEM 340, AND SHALL BE PLANT MIXED, TYPE D SURFACE.
 4. SOURCE: GEOTECHNICAL ENGINEERING REPORT PREPARED BY PSI AND DATED MAY 25, 2016.
 5. IT IS THE INTENT OF THE DRAWINGS THAT THE NEW ASPHALT PAVEMENT MIX DESIGN MATCH THE EXISTING PAVEMENT IN APPEARANCE. THE MIX DESIGN REFERENCED HEREIN IS BASED UPON CURRENT TxDOT STANDARDS. HOWEVER, THE CONTRACTOR SHALL SUBMIT ALTERNATIVE MIX DESIGNS AS MAY BE NEEDED TO MORE CLOSELY MATCH THE APPEARANCE OF THE EXISTING PAVEMENT. REFER TO THE 02740 ASPHALT PAVEMENT SPECIFICATION FOR MIX DESIGN STANDARDS AND MINIMUM REQUIREMENTS ASSOCIATED WITH THE ALLOWABLE MIX DESIGNS.

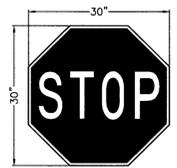
PAVING SECTION DETAIL



TYPE "A" CURB AND GUTTER

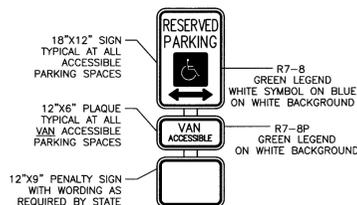


UTILITY ENTRY



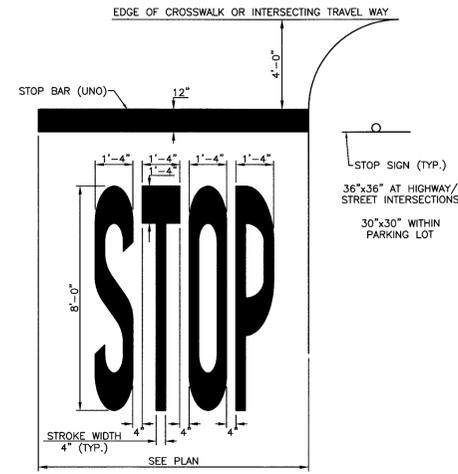
R1-1
30"X30"
"STOP" SIGN
NTS

SIGNAGE



ACCESSIBLE PARKING SIGN
NTS

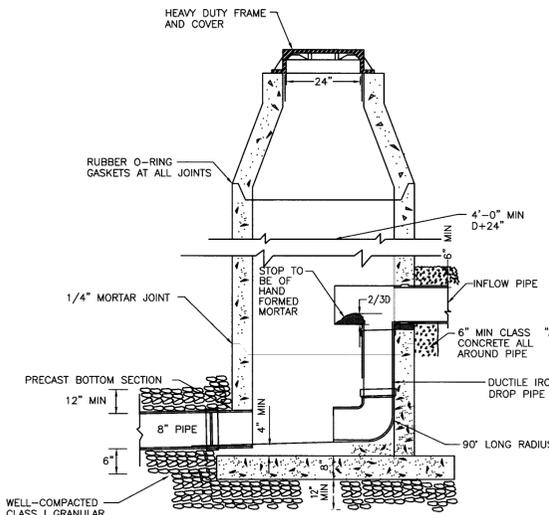
ACCESSIBLE PARKING SIGN



- NOTE:
1. WORDS AND BARS SHALL BE APPLIED IN ACCORDANCE WITH SECTIONS 3B.16 AND 3B.20 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
 2. THESE WORDS AND BAR ARE TO BE PAINTED RETROREFLECTIVE WHITE.

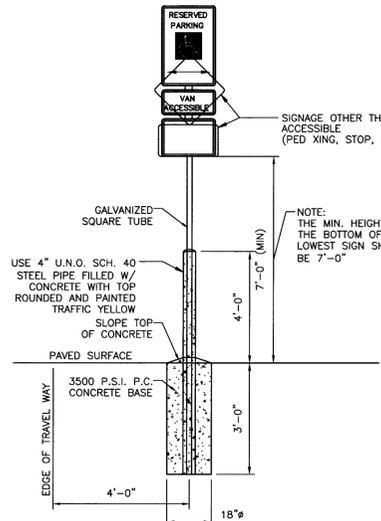
STOP SIGNAGE AND MARKING
N.T.S.

STOP BAR

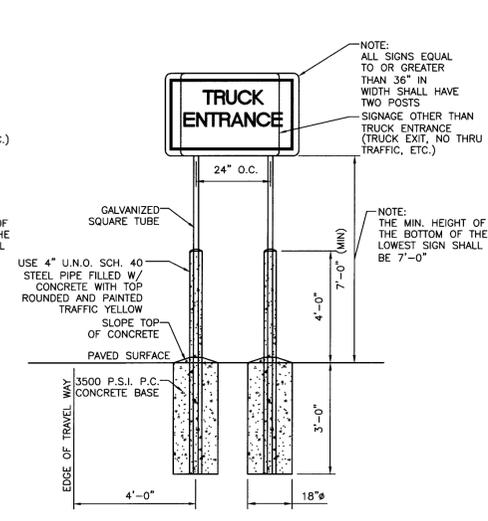


DROP MANHOLE

DROP MANHOLE DETAIL

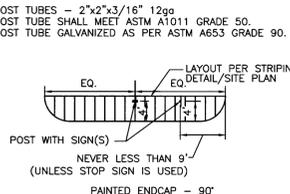


SINGLE POST
NTS

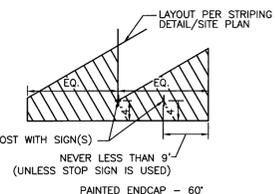


DOUBLE POST
NTS

- NOTES:
1. ALL SIGNS SHALL COMPLY WITH U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", LOCAL CODES AND AS SPECIFIED. MOUNT SIGNS TO POST IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 2. GALVANIZED SQUARE TUBE
POST TUBES - 2"x2"x3/16" 12ga
POST TUBE SHALL MEET ASTM A1011 GRADE 50.
POST TUBE GALVANIZED AS PER ASTM A653 GRADE 90.



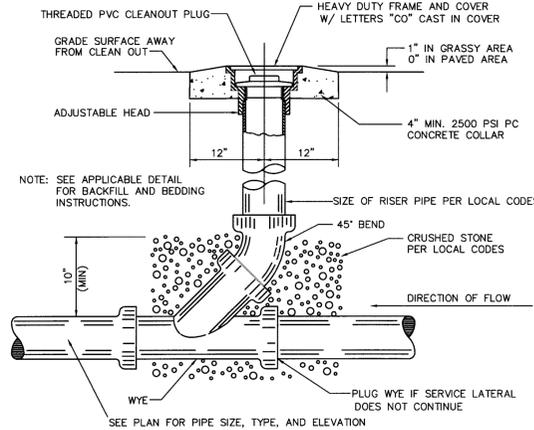
SIGN LOCATIONS - 90° PARKING



SIGN LOCATIONS - 60° PARKING

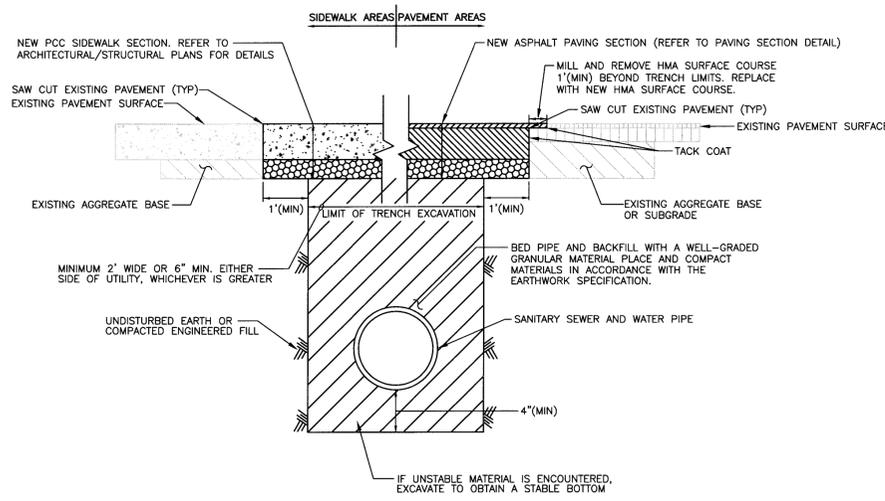
SIGN MOUNTING AND BASE
N.T.S.

SIGN MOUNTING DETAIL



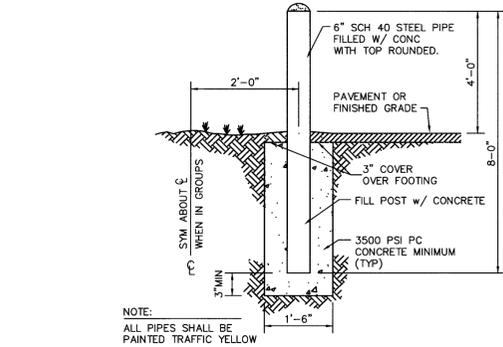
SANITARY SEWER CLEAN-OUT
NTS

SANITARY SEWER CLEAN OUT



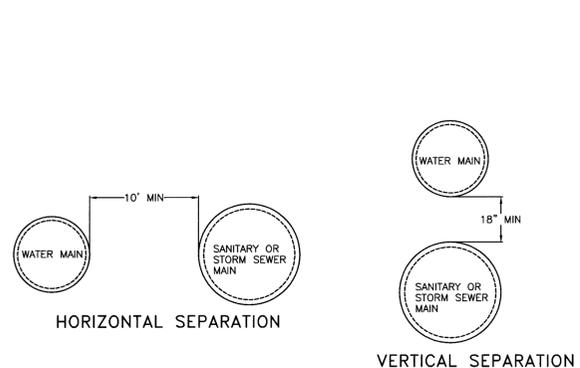
- NOTES:
1. ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES.

UTILITY TRENCH & BEDDING



PIPE BOLLARD

PIPE BOLLARD



HORIZONTAL SEPARATION

VERTICAL SEPARATION

WATER & SEWER SEPARATION

LEGAL: BRIARCREST WAL-MART,
BLOCK 1, LOT 1 RR, 24.545 AC.
ZONING: C-2
OWNER: WAL-MART REAL ESTATE
BUSINESS TRUST, INC.
2001 S.E. 10TH STREET
BENTONVILLE, AR 72716-5570

CARLSON CONSULTING ENGINEERS, INC.
708 LEDGESTONE COMMONS
FARMINGTON, AR 72701
PH: (501) 324-5400 FAX: (501) 324-0770
P.E. #2424

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CONSULTANTS

Walmart
BRYAN, TX
2200 BRIARCREST DR.
STORE NO. 0322-225
ACADEMY
JOB NUMBER

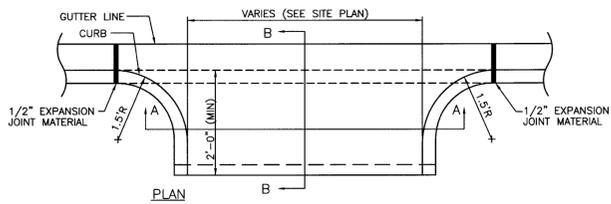
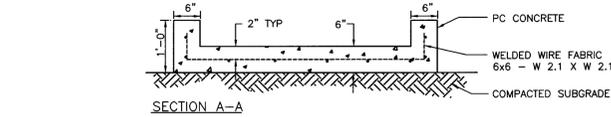
ISSUE BLOCK

CHECKED BY: NK
DRAWN BY: JKP
PROTO: 000 SC/DV
DOCUMENT DATE: 06/28/16

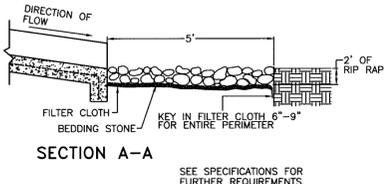
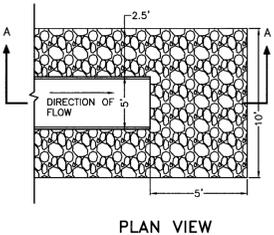


CONSTRUCTION DETAILS

SHEET: SD5



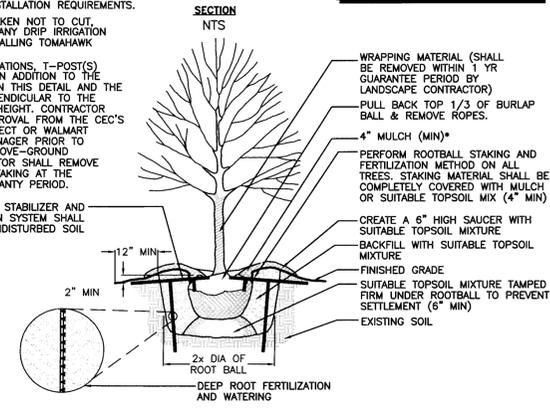
CONCRETE FLUME



RIPRAP AT FLUME

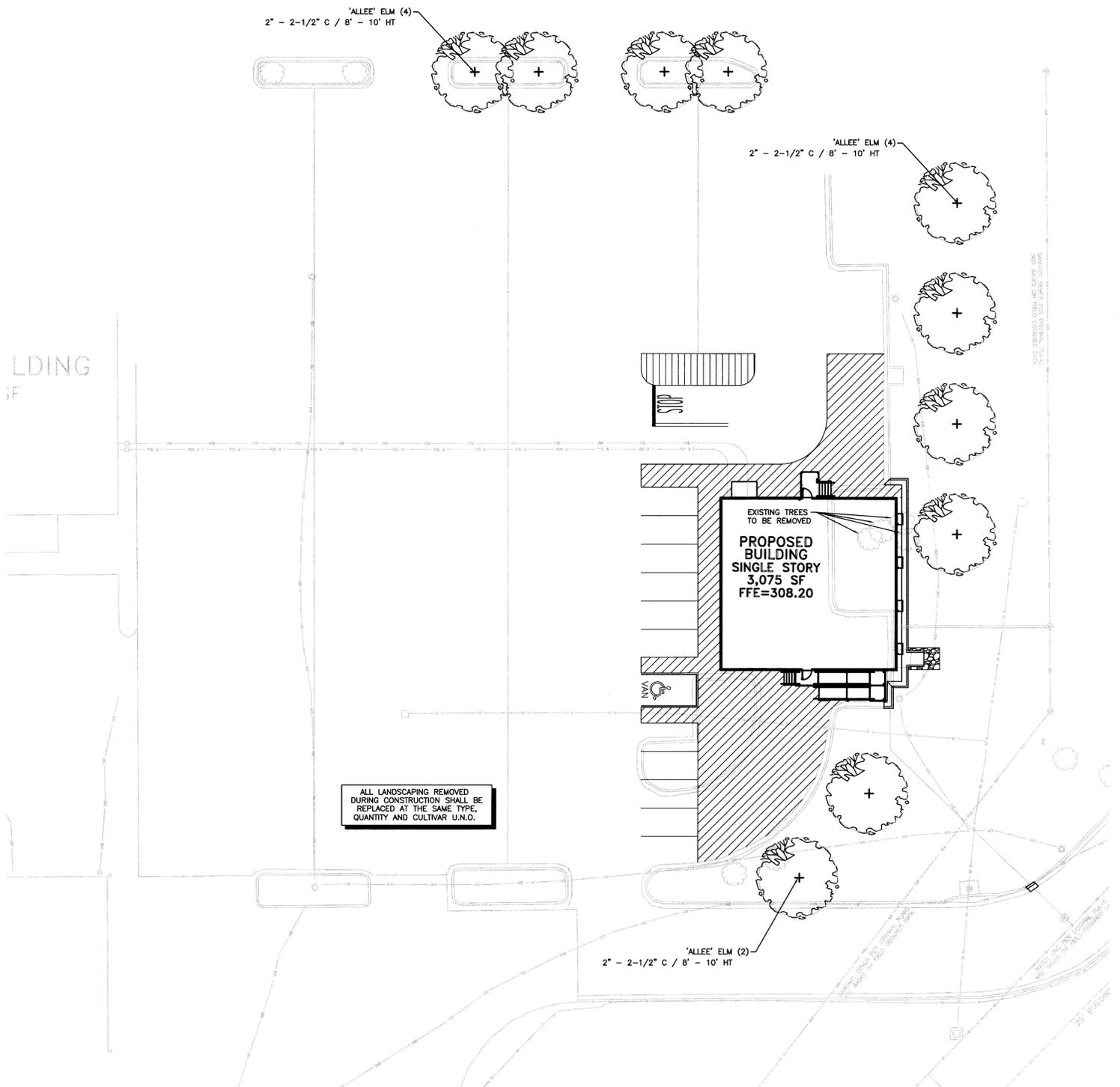
- NOTES:**
- SEE PLANTING NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.
 - PRUNE TREE AS DIRECTED BY CEC'S LANDSCAPE ARCHITECT.
 - BRANCHING HEIGHT TO AN STANDARDS.
 - SEE PLANS & SPECS FOR APPROVED MATERIALS AND INSTALLATION REQUIREMENTS.
 - CARE SHALL BE TAKEN NOT TO CUT, CRIMP, OR PINCH ANY DRIP IRRIGATION TUBING WHILE INSTALLING TOMAHAWK TREE STABILIZER.
 - IN HIGH WIND SITUATIONS, T-POST(S) SHALL BE ADDED IN ADDITION TO THE STAKING SHOWN ON THIS DETAIL AND THE TREE GUYED PERPENDICULAR TO THE TRUNK AT CHEST HEIGHT. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE CEC'S LANDSCAPE ARCHITECT OR WALMART CONSTRUCTION MANAGER PRIOR TO INSTALLING ANY ABOVE-GROUND STAKING. CONTRACTOR SHALL REMOVE ABOVE-GROUND STAKING AT THE END OF THE WARRANTY PERIOD.

MULCH SHALL BE KEPT AWAY FROM THE TRUNK OF ALL PLANT MATERIAL



TREE PLANTING

LDING
SF



ALL LANDSCAPING REMOVED DURING CONSTRUCTION SHALL BE REPLACED AT THE SAME TYPE, QUANTITY AND CULTVAR U.N.O.

LANDSCAPING ANALYSIS				
QTY	TYPE	VALUE	TOTAL POINTS	COMMON NAME
10	CANOPY TREE	200	2,000	10 NEW 2"-2.5" CANOPY TREES TO BE ADDED AS SHOWN BETWEEN NEW BUILDING AND FREEDOM DRIVE AND IN EXISTING CURBED ISLANDS WHERE NOT IN CONFLICT WITH EXISTING UTILITIES.
4	CANOPY TREE	-200	-800	4 EXISTING CANOPY TREES TO BE REMOVED AS SHOWN
NET POINTS			1,200	3,075 SF BUILDING ADDITION REQUIRES 461 SF OF NEW LANDSCAPING BE ADDED TO THE SITE.

PLANT SCHEDULE							
QTY	SYM	BOTANICAL NAME	COMMON NAME	SIZE (BOTH MIN'S TO BE MET)	SPACING	CONDITION	REMARKS
TREES:							
8	⊙	ULMUS PARVIFOLIA 'EMER II' PP 7552	'ALLEE' ELM	2' - 2-1/2" C / 8' - 10' HT	AS SHOWN	B&B/CONT	MATCHING, SINGLE LEADER

NOTE: ALL SIZES AND CONDITION OF NURSERY STOCK SHALL MEET THE STANDARDS ESTABLISHED IN THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERMEN.

NOTE: NO SUBSTITUTIONS OF PLANT MATERIALS ARE ALLOWED WITHOUT THE PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT.

LANDSCAPING

LEGAL: BRIARCREST WAL-MART, BLOCK 1, LOT 1 RR, 24.545 AC. ZONING: C-2
OWNER: WAL-MART REAL ESTATE BUSINESS TRUST, INC. 2001 S.E. 10TH STREET BENTONVILLE, AR 72716-5570

CARLSON CONSULTING ENGINEERS, INC.
7004 LITTLESTONE COMMONS
PH: (907) 344-1544
F: (907) 344-0770
REGISTERED ENGINEERING FIRM # 4824

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CONSULTANTS

Walmart
BRYAN, TX
2200 BRIARCREST DR.
STORE NO. 0322-225
ACADEMY
JOB NUMBER

ISSUE BLOCK	

CHECKED BY: NK
DRAWN BY: JKP
PROTO: 000 SC/DV
DOCUMENT DATE: 06/28/16



CONSTRUCTION DETAILS

SHEET: SD6