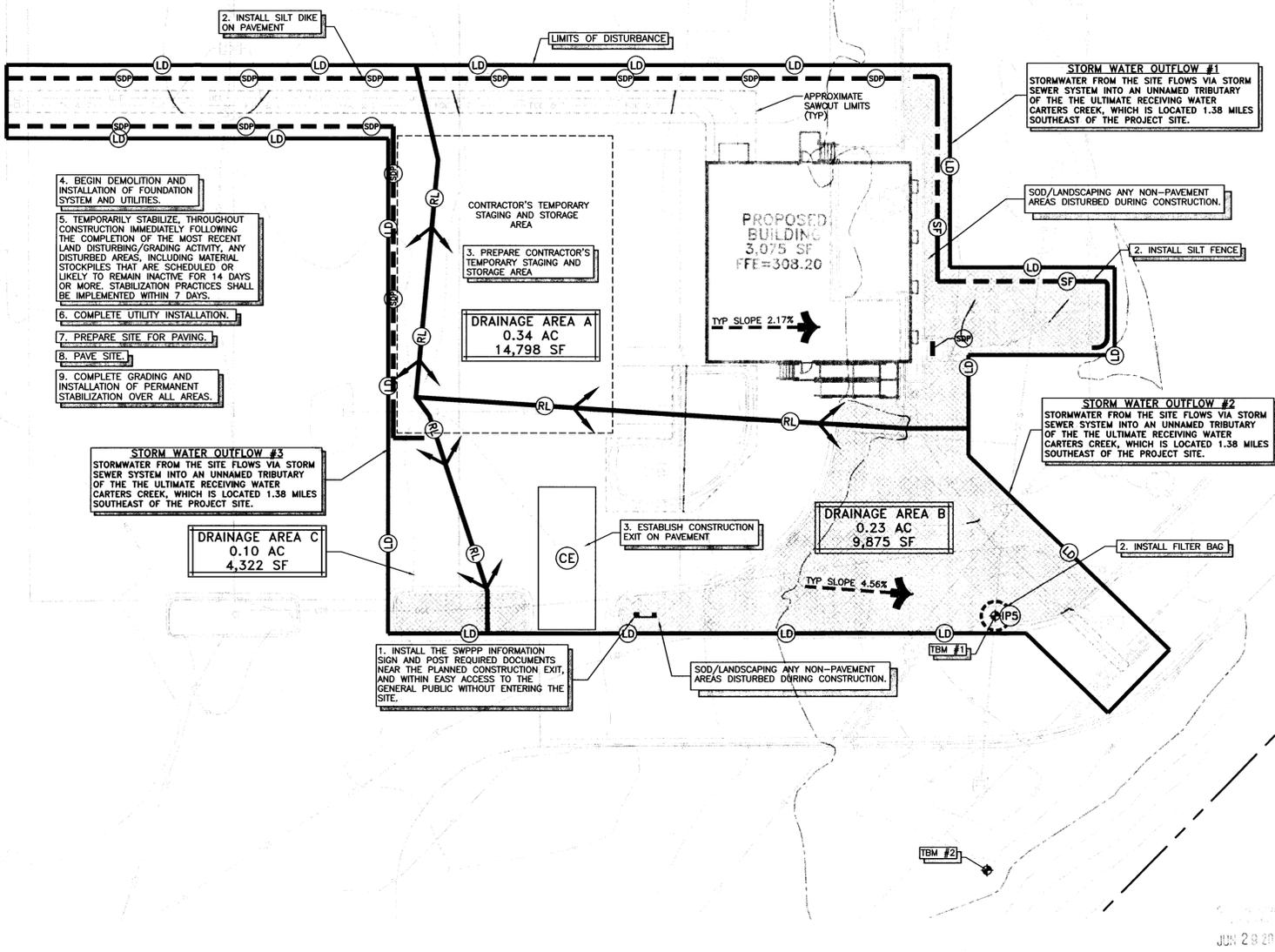
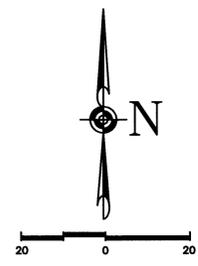


EXISTING BUILDING  
202,307.1 SF



**LEGEND**

- LD - LIMITS OF DISTURBANCE
- IPS - FILTER BAG INLET PROTECTION
- SDP - SILT DIKE ON PAVEMENT
- - - - - APPROXIMATE SAWCUT LIMITS
- - DRAINAGE PATTERN
- - - - - SOD/LANDSCAPING
- - RIPRAP PAD
- - - - - SWPPP INFORMATION SIGN
- ⊕ - TEMPORARY BENCHMARK (TBM)
- ⊕ - CONSTRUCTION EXIT (ON PAVEMENT)
- ← - 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 DENOTE 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 BMP'S 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 IMMEDIATELY FOLLOWING 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.

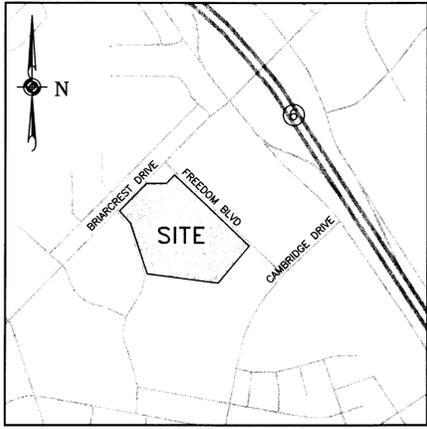
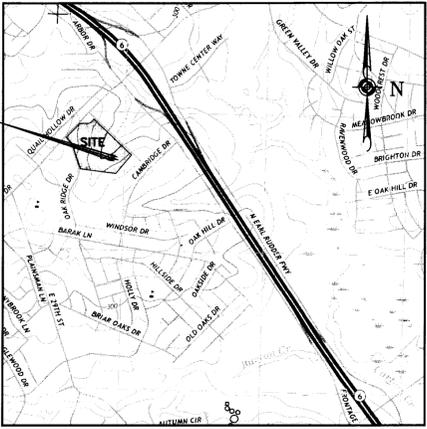
**GENERAL EROSION NOTES**

- 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 TO OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- B. BEST MANAGEMENT PRACTICES (BMP'S) 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 CAREFULLY 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, WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED OR WILL BE STOPPED.
- E. GENERAL CONTRACTOR SHALL DENOTE ON 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 DENUDE/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 SEED, SODDED, 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 TIRES 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 SPILLED, DROPPED, 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 RESEED 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. DEBRIS AND/OR SEDIMENT REACHING THE PUBLIC STREET OR PARKING LOT SHALL BE CLEANED IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.



**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 NOTE**

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 BMP'S, 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 ENTER 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.

**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.

CARLSON CONSULTING ENGINEERS, INC.  
1001 W. 10TH STREET  
SUITE 100  
BRYAN, TEXAS 77802  
PH: (817) 834-0000  
FAX: (817) 834-0001

STIPULATION FOR REUSE  
THIS DRAWING WAS PREPARED FOR USE ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. IT IS NOT TO BE REPRODUCED, COPIED, REPRODUCED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER OF RECORD. ANY REUSE OF THIS DRAWING FOR ANY OTHER PROJECT IS STRICTLY PROHIBITED AND WILL BE CONSIDERED A VIOLATION OF THE PROFESSIONAL ENGINEERING ACT.

CONSULTANTS

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

ISSUE BLOCK


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

STATE OF TEXAS  
S. JAMES W. WATSON  
1971  
LICENSED PROFESSIONAL ENGINEER  
June 28, 2016

EROSION CONTROL PLAN

SHEET: SD1

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

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.

ACREAGE SUMMARY (IN ACRES)		
1	WALMART PROPERTY AREA	24.545
2	PERMITTED AREA WITHIN WALMART PROPERTY	0.67
3	PERMITTED AREA OUTSIDE OF WALMART PROPERTY	0.00
4	TOTAL PERMITTED PROJECT AREA (MUST MATCH NOI)	0.67
5	IMPERVIOUS AREA BEFORE PROJECT	0.48
6	IMPERVIOUS AREA AT COMPLETION	0.52
7	PERVIOUS AREA AT COMPLETION	0.19

LAST REVISED: JUNE 2013  
SOURCE BOX: 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
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: APRIL 30, 2011  
SOURCE BOX: 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 CRIMPED 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 SEEDING 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.

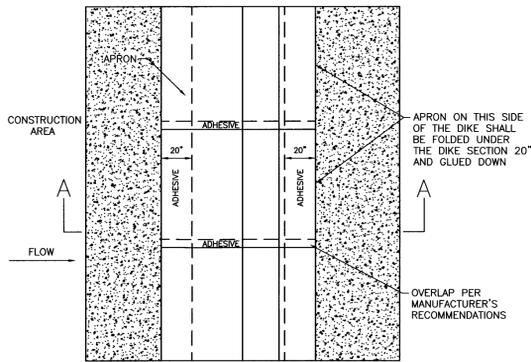
**PS PERMANENT SEEDING, SOD OR MULCHING**

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

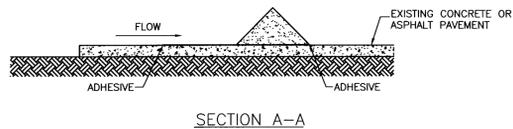
- NOTES:
- CONSIDERATION MUST BE GIVEN TO ANTICIPATED CLIMATE AND SEASONAL CONDITIONS WHEN PLANTING SEED.
  - SEED SHALL BE FREE OF WEEDY SPECIES AND APPROPRIATE FOR SITE SOILS AND REGIONAL CLIMATE. SEED AND MULCH PER THE CONSTRUCTION DRAWINGS AND THE 02900 PLANTING SPECIFICATION IMMEDIATELY AFTER TOPSOIL 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: JUNE 2012  
SOURCE BOX: WAL-MART STANDARD DETAIL



- 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.



**SILT DIKE (ON EXISTING PAVEMENT)**

LAST REVISED: JULY 1, 2010  
SOURCE BOX: WALMART 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 FRAGILE 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.

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

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

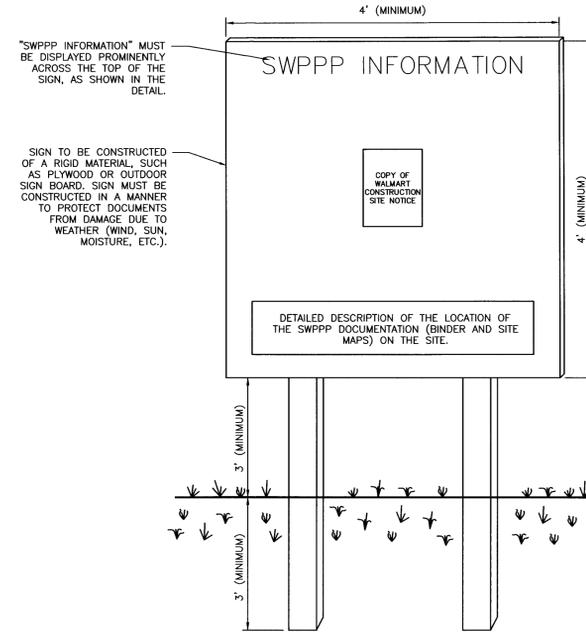
PERMANENT SEED VARIETY SHALL BE 'TIFTON 419' IMPROVED BERMUDA GRASS.

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

**SEEDING & SODDING NOTES**



"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**

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

CARLSON CONSULTING ENGINEERS, INC.  
1001 S. JARVIS PERIODIC ROAD  
BENTONVILLE, AR 72716  
P-8884

STIPULATION FOR REUSE  
THIS DRAWING WAS PREPARED FOR USE IN CONNECTION WITH THE PROJECT IDENTIFIED HEREIN. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER OF RECORD. ANY REUSE OF THIS DRAWING FOR ANY OTHER PROJECT IS NOT PERMITTED AND MAY BE CAUSATIVE TO THE U.S.A.

CONSULTANTS

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

ISSUE BLOCK	

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



**EROSION CONTROL DETAILS**

SHEET: SD2

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.

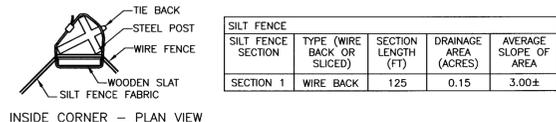
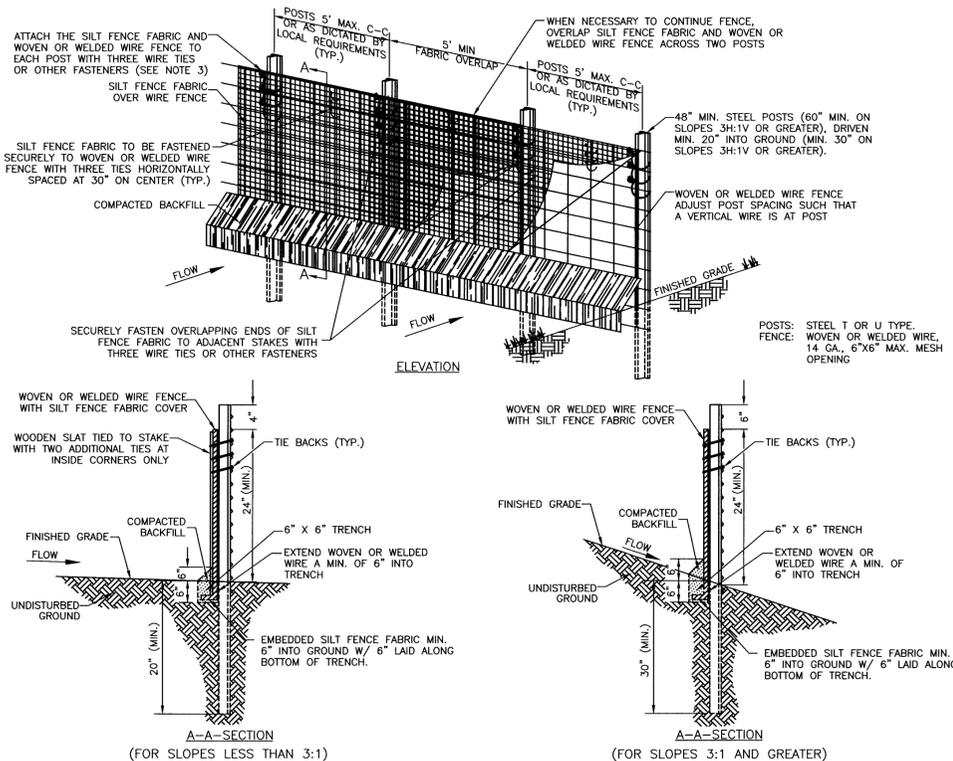


TABLE 1 Temporary Silt Fence Material Property Requirements

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

<sup>a</sup>Silt 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.  
<sup>b</sup>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.  
<sup>c</sup>As measured in accordance with Test Method D 4632.  
<sup>d</sup>TABLE 1 TAKEN FROM ASTM D 6461-99 (2002)

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

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

- 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.

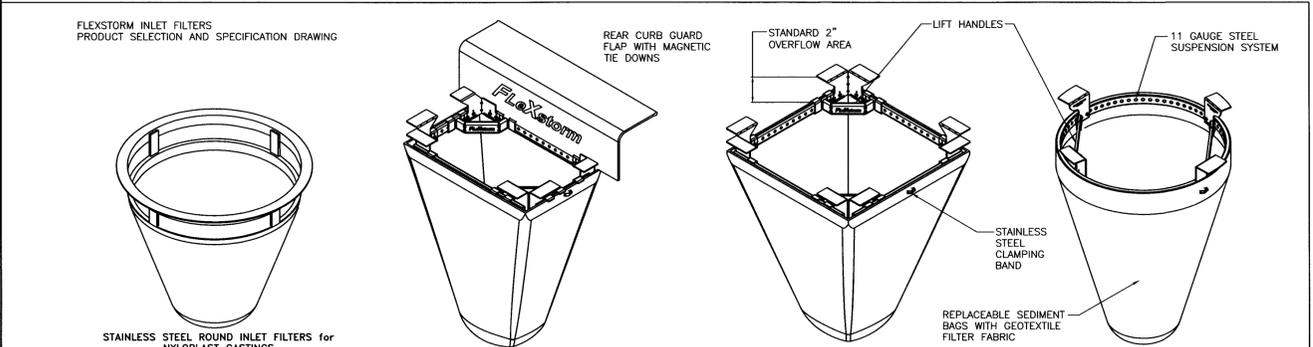
**NOTICE TO CONTRACTOR**

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 ADS

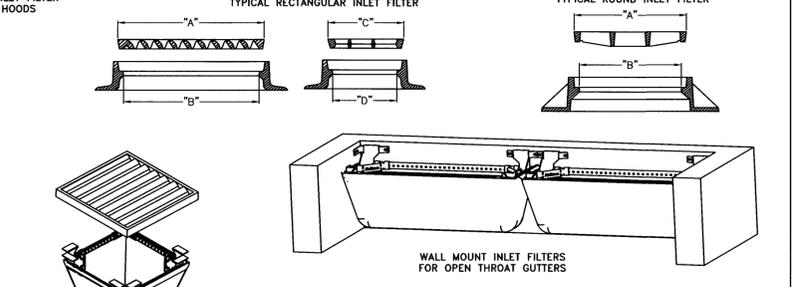
GARVIN COX  
 303 W.M. BAUGH LANE  
 BROWNWOOD, TX 76801

CELL: (915) 309-8259  
 FAX: (866) 843-1147  
 garvin.cox@ads-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) DIM)	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 OPENINGS (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	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



**SPECIFICATIONS FOR STANDARD BAGS BY NOMINAL SIZE**

NOMINAL BAG SIZE	SOLIDS STORAGE (CU FT)	FILTERED FLOW RATE AT 50% MAX CAPACITY	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 MYCLEX SKIMMER AT 100% CAPACITY

INSTALLATION:  
 1. REMOVE GRATE  
 2. DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE  
 3. 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
-----------------------	----------------------------	------------------

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

SIZE: \_\_\_\_\_ DWG NO: \_\_\_\_\_ REV: \_\_\_\_\_  
 SCALE: \_\_\_\_\_ SHEET 1 OF 1

SOURCE BOX  
 LAST REVISED: MANUFACTURER  
 APRIL 22, 2013 DETAIL

IPS FILTER BAG

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.

CARLSON CONSULTING ENGINEERS, INC.  
 1111 W. UNIVERSITY BLVD., SUITE 100  
 FORT WORTH, TEXAS 76102  
 TEL: (817) 339-8888 FAX: (817) 339-8889

STIPULATION FOR REUSE  
 THIS DRAWING WAS PREPARED FOR USE ON THE PROJECT IDENTIFIED HEREIN. IT IS NOT TO BE REUSED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF THE ENGINEER OF RECORD. ANY REUSE OF THIS DRAWING FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF THE ENGINEER OF RECORD IS PROHIBITED. THE USER OF THIS DRAWING FOR ANY OTHER PROJECT IS NOT BEING ADVISED AND ASSUMES ALL LIABILITY TO THE USER AND TO THE LAW.

CONSULTANTS

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

ISSUE BLOCK

NO.	DATE	DESCRIPTION

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

STATE OF TEXAS  
 S. HARMON PERREY, III  
 98712  
 LICENSED PROFESSIONAL ENGINEER  
 June 28, 2016

EROSION CONTROL DETAILS

SHEET: SD3

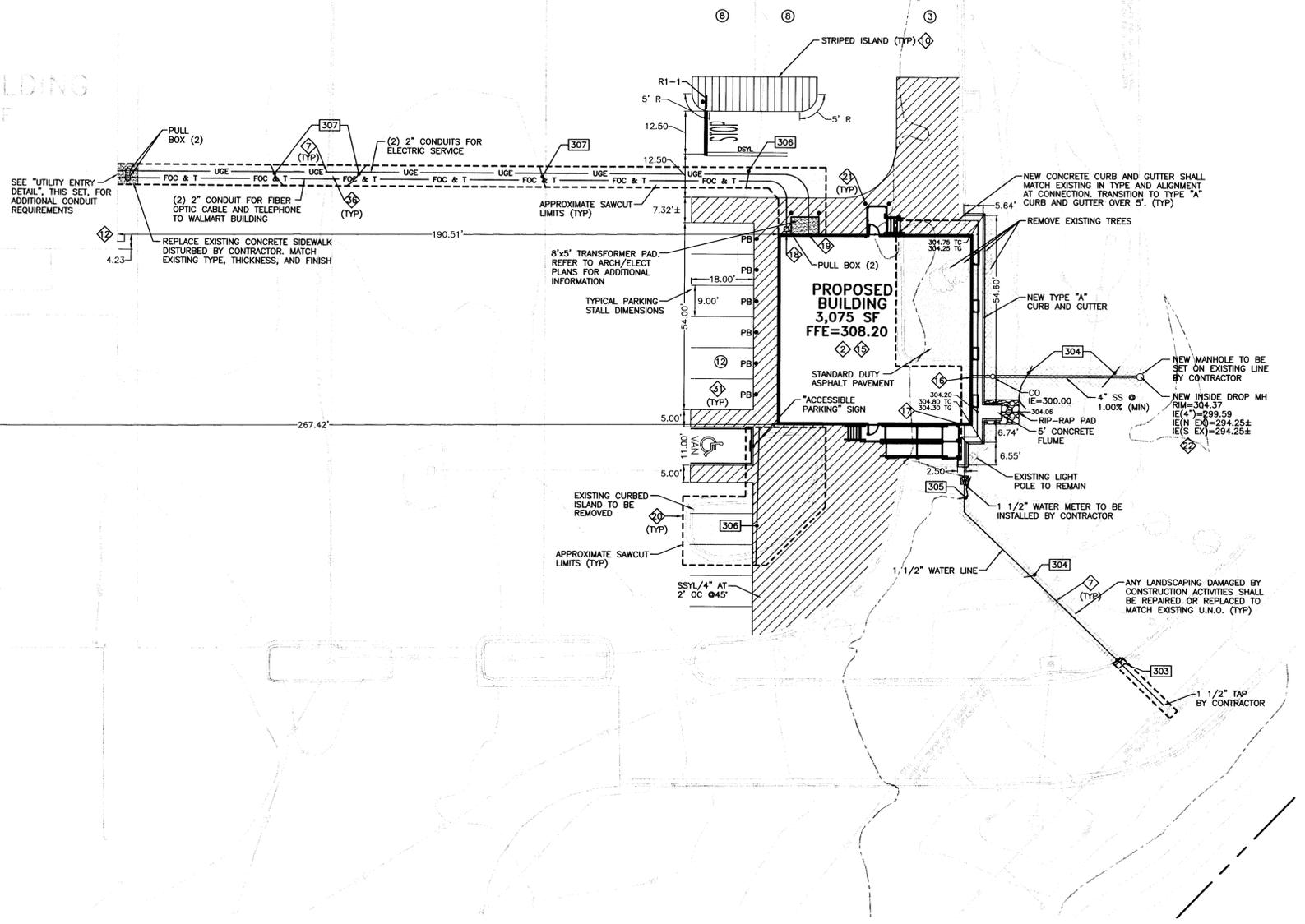
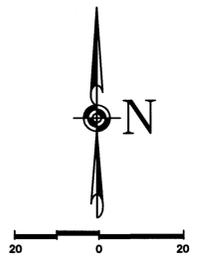
**CAUTION - NOTICE TO CONTRACTOR**

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
- ▨ SOD/LANDSCAPING
- ▨ RIP-RAP PAD
- ♿ ACCESSIBLE PARKING SYMBOL
- ♻ SIGN
- ⚡ UNDERGROUND ELECTRIC
- FOC & T FIBER OPTIC & TELEPHONE
- CURB & GUTTER
- PARKING COUNT
- ▬▬▬ DOUBLE SOLID YELLOW LINE



**NOTES:**

1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY/COUNTY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
2. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL 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 COSTS 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 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 GUTTER U.N.O.
10. PAINTED ISLAND TYPICAL UNLESS NOTED OTHERWISE. STRIPES SHALL BE PAINTED 5/16" AT 2'-0" O.C. PERPENDICULAR TO THE PARKING SPACE.
11. THE SITEWORK FOR THIS PROJECT SHALL MEET OR EXCEED "THE SITE SPECIFIC SPECIFICATIONS".
12. BUILDING TIES SHOWN FROM THE CORNER OF BUILDING TO A POINT PERPENDICULAR TO THE EXISTING BUILDING.
13. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION SCHEDULE WITH THE UTILITY COMPANIES AND THE WALMART CONSTRUCTION MANAGER. ALL EXISTING CONDITIONS THAT ARE REMOVED OR DISRUPTED DURING THE PLACEMENT OF NEW UTILITIES SHALL BE REPLACED OR REPAIRED TO MATCH THE ORIGINAL CONDITIONS. ANY EXISTING UTILITIES DISRUPTED DURING PLACEMENT OF NEW UTILITIES SHALL BE REPAIRED AND OPERATING NORMALLY THE SAME DAY OF DISRUPTION. ITEMS THAT MAY NEED TO BE REPLACED OR REPAIRED INCLUDE BUT ARE NOT LIMITED TO: EXISTING PAVEMENT, WATER LINES, IRRIGATION LINES, GRASS AREAS, LANDSCAPING AND SITE LIGHTING. THE GENERAL CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING ITEMS THAT WILL BE DISRUPTED DURING THE PLACEMENT OF NEW UTILITIES AND PROVIDE THE WALMART CONSTRUCTION MANAGER A DETAILED PHASING SCHEDULE OUTLINING THE TIME LINE FOR INSTALLATION OF NEW UTILITIES INCLUDING THE PROPOSED TIMES THAT EXISTING ITEMS WILL BE DISRUPTED. THE NEW UTILITIES TRENCH WIDTH AND DEPTH SHALL MEET ALL LOCAL AND STATE REQUIREMENTS FOR THE DISPLACEMENT OF ALL UTILITIES. IF DIRECTIONAL BORING IS USED FOR INSTALLATION OF THE ABOVE LISTED ITEMS ARE STILL REQUIRED TO BE SUBMITTED TO THE WALMART CONSTRUCTION MANAGER.
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. REFER TO DETAILS SHEET FOR PIPE BOLLARD DETAIL.
22. CONTRACTOR SHALL VERIFY AS-BUILT INVERT ELEVATION AND ADVISE ENGINEER OF ANY DISCREPANCIES.
23. CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED FROM APPROPRIATE UTILITY COMPANIES AND CONTRACTOR HAS BEEN NOTIFIED.
24. CONTRACTOR SHALL COORDINATE WITH WATER COMPANY FOR REQUIREMENTS OF DOMESTIC ENTRY. ALL APPURTENANCES SUCH AS VALVES, BACKFLOW PREVENTION DEVICES, METER BOXES AND/OR METERS REQUIRED BUT NOT PROVIDED BY THE WATER COMPANY SHALL BE SUPPLIED BY THE CONTRACTOR AND INSTALLED PER THE WATER COMPANY'S REQUIREMENTS.
25. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING PIPE BOLLARD PROTECTION AROUND UTILITY ENTRANCES AND METER LOCATIONS. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY FOR EXACT REQUIREMENTS.
26. UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON OR WITH SPECIFICATIONS: ALL WATER LINE AND SANITARY SEWER PIPE SHALL BE INSTALLED PER UTILITY TRENCH AND BEDDING DETAIL.
27. 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.
28. ALL UTILITY CONSTRUCTION SHALL CONFORM WITH THE MOST STRINGENT REQUIREMENTS OF THE UTILITY COMPANY OR THE WALMART SPECIFICATIONS.
29. 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 ACQUAINTANCE 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.
30. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL SANITARY SEWER LINES AND ASSOCIATED APPURTENANCES IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. COORDINATE WITH CITY OF BRYAN PUBLIC WORKS PRIOR TO INSTALLATION AND BACKFILL.
31. ALL EXISTING STRIPING THAT CONFLICTS WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED BY BEAD BLASTING.
32. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL WATER LINES AND ASSOCIATED APPURTENANCES IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. COORDINATE WITH THE CITY OF BRYAN PUBLIC WORKS PRIOR TO INSTALLATION AND BACKFILL.
33. CONTRACTOR SHALL NOT OPEN, TURN OFF, INTERFERE WITH, OR ATTACH ANY PIPE OR HOSE TO, OR TAP ANY WATER MAIN BELONGING TO THE CITY UNLESS DULY AUTHORIZED TO DO SO BY THE CITY. ANY ADVERSE CONSEQUENCES OF ANY SCHEDULED OR UNSCHEDULED DISRUPTIONS OF SERVICE TO THE PUBLIC ARE TO BE THE LIABILITY OF THE CONTRACTOR.
34. 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 ANY 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.
35. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING CONDUIT FOR UNDERGROUND UTILITIES AS PER THE UTILITY COMPANY REQUIREMENTS.
36. CONTRACTOR SHALL ENSURE ANY STRIPING TO REMAIN IMPACTED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED OR REPLACED TO MATCH EXISTING.

**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 PROPOLYETHYLENE 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.

**FOUNDATION SUBSURFACE PREPARATION**

PROPOSED ACCESSORY BUILDING AT WALMART #322, 2200 BRIARCREST DRIVE, BRYAN, TEXAS MAY 25, 2016

UNLESS SPECIFICALLY INDICATED OTHERWISE IN THE DRAWINGS AND/OR SPECIFICATIONS, THE LIMITS OF THIS SUBSURFACE PREPARATION ARE CONSIDERED TO BE THAT PORTION OF THE SITE DIRECTLY BENEATH AND 5 FEET BEYOND THE BUILDING FOUNDATION SYSTEM.

REMOVE EXISTING CONCRETE, SOFT OR OTHERWISE UNSUITABLE MATERIAL FROM THE BUILDING FOUNDATION AREA. REMOVE AND REPLACE UNSUITABLE AREAS WITH SUITABLE MATERIAL. SUBGRADE MATERIAL SHALL BE FREE OF ORGANIC AND OTHER DELETERIOUS MATERIALS AND SHALL MEET THE FOLLOWING REQUIREMENTS: STRUCTURAL FILL SHALL MEET THE FOLLOWING REQUIREMENTS:

LOCATION WITH RESPECT TO FINAL GRADE BUILDING FOUNDATION AREA

P.I.	L.L.
8 MIN TO 20 MAX.	35 MAX.

IF REQUIRED, STRUCTURAL FILL MATERIAL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 8 INCHES IN THICKNESS AND COMPACTED TO AT LEAST 98 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D 698) AT A MOISTURE CONTENT WITHIN 0 PERCENT BELOW TO 3 PERCENT ABOVE THE OPTIMUM. NO ROCK OR CLAY LUMP SIZE SHALL EXCEED 3 INCHES.

THE FOUNDATION SYSTEM SHALL BE ISOLATED SPREAD FOOTINGS.

THIS FOUNDATION SUBSURFACE PREPARATION DOES NOT CONSTITUTE A COMPLETE SITE WORK SPECIFICATION. IN CASE OF CONFLICT, INFORMATION COVERED IN THIS PREPARATION SHALL TAKE PRECEDENCE OVER THE WAL-MART SPECIFICATIONS. REFER TO THE SPECIFICATIONS FOR SPECIFIC INFORMATION NOT COVERED IN THIS PREPARATION. THIS INFORMATION WAS TAKEN FROM A GEOTECHNICAL REPORT PREPARED BY PSI (PSI REPORT NO. 286-1451), DATED MAY 25, 2016 (GEOTECHNICAL REPORT IS FOR INFORMATION ONLY AND IS NOT A CONSTRUCTION SPECIFICATION).

**PARKING INFORMATION**

	BUILDING SQ.FT. <sup>1</sup>	PARKING REQUIRED SPACES	TOTAL PARKING PROVIDED SPACES <sup>2,3</sup>	TOTAL PARKING RATIO SPACES <sup>3</sup>
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	958 SPACES (POST DEVELOPMENT)	4.66/1,000 SQ.FT. (POST DEVELOPMENT)
<b>TOTAL</b>	<b>205,382</b>	<b>822 SPACES</b>		

- NOTES:**
1. EXISTING AND PROPOSED BUILDING SIZE PROVIDED BY CYNERGY, 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.



**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 DRAINAGE SYSTEMS, UTILITIES, CURBING, 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.

**CARLSON CONSULTING ENGINEERS, INC.**  
1000 W. BRYAN BLVD., SUITE 100  
BRYAN, TEXAS 77802  
PH: 817.833.7777  
FAX: 817.833.7778

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CONSULTANTS

**Walmart**  
BRYAN, TX  
2200 BRIARCREST DR.  
STORE NO. 0322-225  
JOB NUMBER: ACADREMY

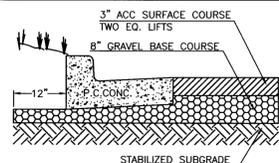
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DRAWN BY: JKP  
PROTO: 000 SC/DV  
DOCUMENT DATE: 06/28/16



**IMPROVEMENT PLAN**

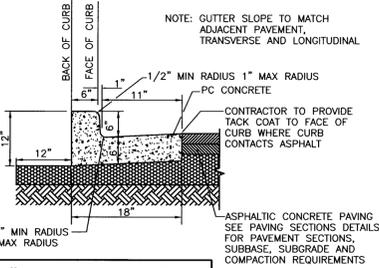
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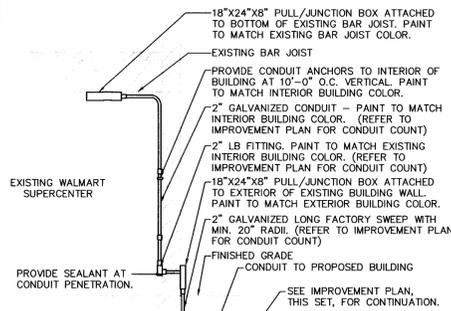
STANDARD DUTY ASPHALT PAVING

- NOTES:
1. PREPARE PAVEMENT SUBGRADE IN ACCORDANCE WITH THE SITEMARK 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 PAVING MIX DESIGN MATCH THE EXISTING PAVEMENT IN APPEARANCE. THE MIX DESIGN REFERRED 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.

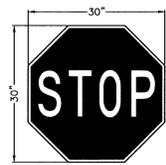
PAVING SECTION DETAIL



TYPE "A" CURB AND GUTTER

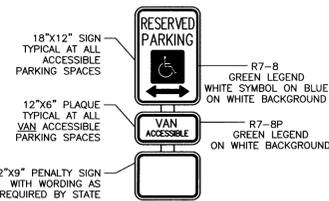


UTILITY ENTRY



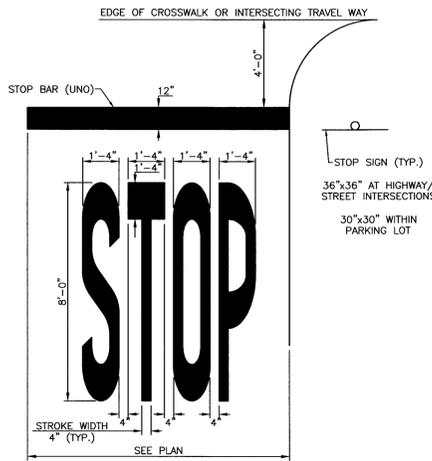
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NTS

SIGNAGE



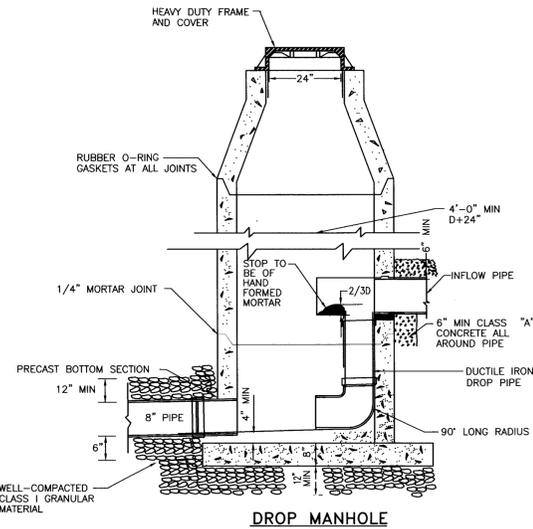
ACCESSIBLE PARKING SIGN  
NTS

ACCESSIBLE PARKING SIGN



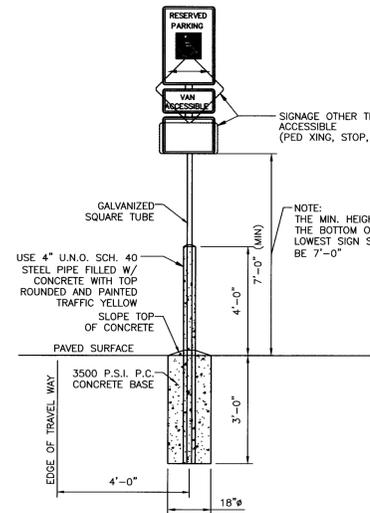
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N.T.S.

STOP BAR

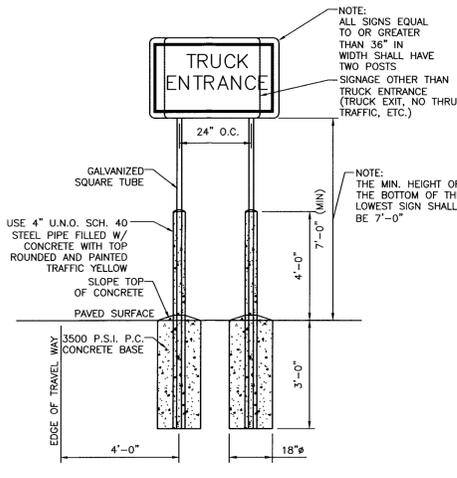


DROP MANHOLE

DROP MANHOLE DETAIL

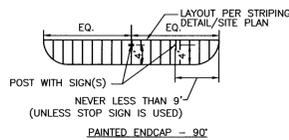


SINGLE POST  
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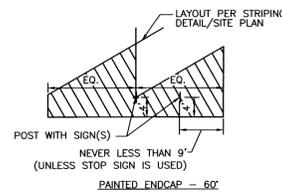


DOUBLE POST  
NTS

- 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.



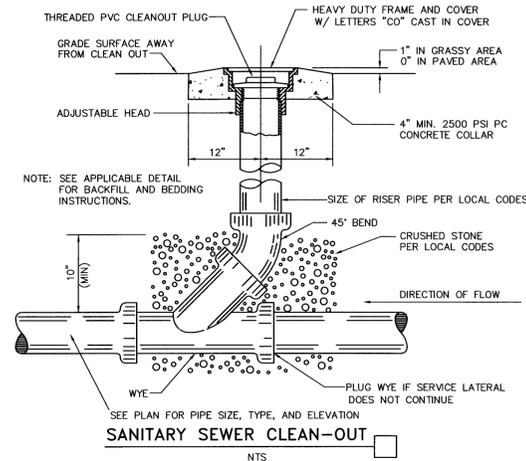
SIGN LOCATIONS - 90° PARKING



SIGN LOCATIONS - 60° PARKING

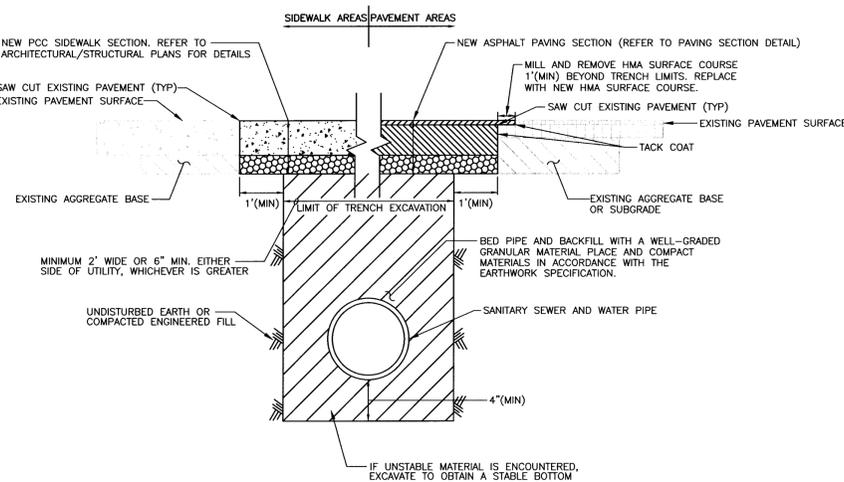
SIGN MOUNTING AND BASE  
N.T.S.

SIGN MOUNTING DETAIL



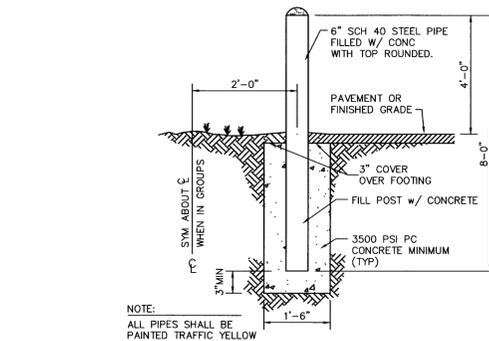
SANITARY SEWER CLEAN-OUT  
NTS

SANITARY SEWER CLEAN OUT



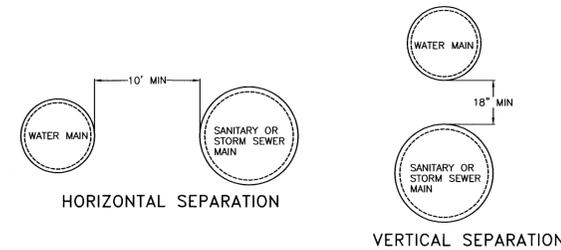
- NOTES:
1. ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES.

UTILITY TRENCH & BEDDING



PIPE BOLLARD

PIPE BOLLARD



HORIZONTAL SEPARATION

VERTICAL SEPARATION

WATER & SEWER SEPARATION

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TxDAS REGISTERED ENGINEERING FIRM

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CONSULTANTS

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STORE NO. 0322-225  
ACADEMY  
JOB NUMBER:

ISSUE BLOCK

NO.	DESCRIPTION	DATE

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



CONSTRUCTION DETAILS

SHEET: SD5