

**GENERAL NOTES:**

- TOPOGRAPHIC BOUNDARY SURVEY, INCLUDING PROPERTY LINES, LEGAL DESCRIPTION, EXISTING UTILITIES, SITE TOPOGRAPHY WITH SPOT ELEVATIONS, OUTSTANDING PHYSICAL FEATURES AND EXISTING STRUCTURE LOCATIONS WAS PROVIDED BY THE FOLLOWING COMPANY, AS A CONTRACTOR TO THE SELLER/OWNER:  
CEI ENGINEERING ASSOCIATES, INC.  
3108 SW REGENCY PKWY  
BENTONVILLE, AR 72712  
JAMES G. TEMPLE, CO PLS#8232  
PH: 479-273-9472
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF EXISTING STRUCTURES, RELATED UTILITIES, PAVING, UNDERGROUND STORAGE TANKS AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED. SEE SITE WORK SPECIFICATIONS.
- CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- THE GENERAL CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
- WARRANTY/DISCLAIMER:**  
THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER THE ENGINEER NOR ITS PERSONNEL CAN OR DO WARRANT THESE DESIGNS OR PLANS AS CONSTRUCTED EXCEPT IN THE SPECIFIC CASES WHERE THE ENGINEER INSPECTS AND CONTROLS THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT THE SITE.
- SAFETY NOTICE TO CONTRACTOR:**  
IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. ANY CONSTRUCTION OBSERVATION BY THE ENGINEER OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE.
- ALL CONSTRUCTION IN STATE HIGHWAY DEPARTMENT RIGHT-OF-WAY SHALL BE COORDINATED WITH THE HIGHWAY DEPARTMENT RESIDENT ENGINEER.
- WETLANDS NOTE:**  
ANY DEVELOPMENT, EXCAVATION, CONSTRUCTION, OR FILLING IN A U.S. CORPS OF ENGINEERS DESIGNATED WETLAND IS SUBJECT TO LOCAL, STATE AND FEDERAL APPROVALS. THE CONTRACTOR SHALL COMPLY WITH ALL PERMIT REQUIREMENTS AND/OR RESTRICTIONS AND ANY VIOLATION WILL BE SUBJECT TO FEDERAL PENALTY. THE CONTRACTOR SHALL HOLD THE OWNER/DEVELOPER, THE ENGINEER AND THE LOCAL GOVERNING AGENCIES HARMLESS AGAINST SUCH VIOLATION.
- RESIDENT ENGINEERING SERVICES:**  
WHEN REQUESTED BY THE OWNER, RESIDENT ENGINEERING SERVICES SHALL BE PROVIDED BY THE ENGINEERS (ON A TIME AND FREQUENCY BASIS) ACCEPTABLE TO THE CITY ENGINEER FOR IMPROVEMENTS TO PUBLIC WATER MAINS, PUBLIC SEWER, AND CITY STREETS. AT THE COMPLETION OF CONSTRUCTION, THE ENGINEER SHALL CERTIFY THE CONSTRUCTION TO BE IN COMPLIANCE WITH THE PLANS AND SPECIFICATIONS. THIS WORK WILL BE AT THE OWNER/DEVELOPER'S DIRECT EXPENSE AND SHALL BE COORDINATED WITH CEI ENGINEERING ASSOCIATES, INC. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE RESIDENT ENGINEER OF ANY PRECONSTRUCTION / CONSTRUCTION CONFERENCES AND ANY PUBLIC CONSTRUCTION 24 HOURS PRIOR TO SAID ACTION.
- CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FOR ALL WORK WITHIN FALCON RIGHT-OF-WAY.

**ENGINEER'S STATEMENT:**

THE GRADING AND EROSION CONTROL PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR GRADING AND EROSION CONTROL PLANS. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS PLAN.

ENGINEER OF RECORD SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**OWNER'S STATEMENT:**

I, THE OWNER / DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN

OWNER SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**EL PASO COUNTY, COLORADO  
GRADING AND EROSION CONTROL REVIEW:**

EL PASO COUNTY: COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND / OR ELEVATION WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND / OR ACCURACY OF THIS DOCUMENT.

FILLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL, AS AMENDED.

IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THESE 2 YEARS, THE PLAN WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTOR'S DISCRETION

JENNIFER IRVINE, P.E. \_\_\_\_\_ DATE: \_\_\_\_\_  
COUNTY ENGINEER / ECM ADMINISTRATOR

Revise to "Joshua Palmer, P.E."

**NOTICE TO BIDDERS:**

ALL QUESTIONS REGARDING THE PREPARATION OF THE GENERAL CONTRACTOR'S BID SHALL BE DIRECTED TO THE OWNER'S CONSTRUCTION DEPARTMENT VIA ON-LINE BID QUESTION TOOL. SUBCONTRACTORS MUST DIRECT THEIR QUESTIONS THROUGH THE GENERAL CONTRACTOR. THE CONSULTING ARCHITECT AND/OR THE CONSULTING ENGINEER SHALL NOT BE CONTACTED DIRECTLY WITHOUT PRIOR AUTHORIZATION FROM THE OWNER/DEVELOPER.

**FLOOD ZONE INFORMATION:**

SUBJECT PROPERTY IS LOCATED WITHIN ZONE "X", AREAS WITHIN ZONE "X" ARE DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD PLAIN, AS DETERMINED BY THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP FOR EL PASO COUNTY, COLORADO.  
MAP NUMBER: 0804100353G  
EFFECTIVE DATE: 12/08/2018

**WETLAND INFORMATION:**

BASED ON AN ONLINE SEARCH OF U.S. FISH AND WILDLIFE SERVICE NATIONAL WETLANDS INVENTORY LOCATED AT [www.fws.gov/wetlands/data/mapper.html](http://www.fws.gov/wetlands/data/mapper.html), THE PROPOSED PROJECT APPEAR TO BE IN A RIVERINE HABITAT CLASSIFIED AS R4S8C.

**LEGAL DESCRIPTION:**

PORTION OF LOT 1,  
FALCON HIGHLANDS MARKET PLACE FILING NO. 1,  
COUNTY OF EL PASO,  
STATE OF COLORADO.

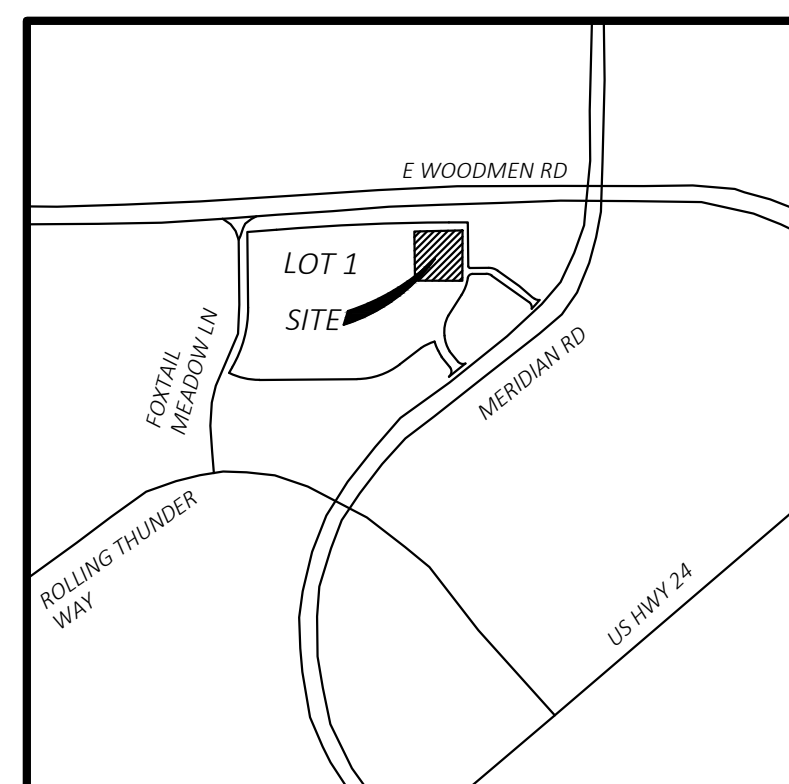
GRADING EROSION CONTROL PLANS



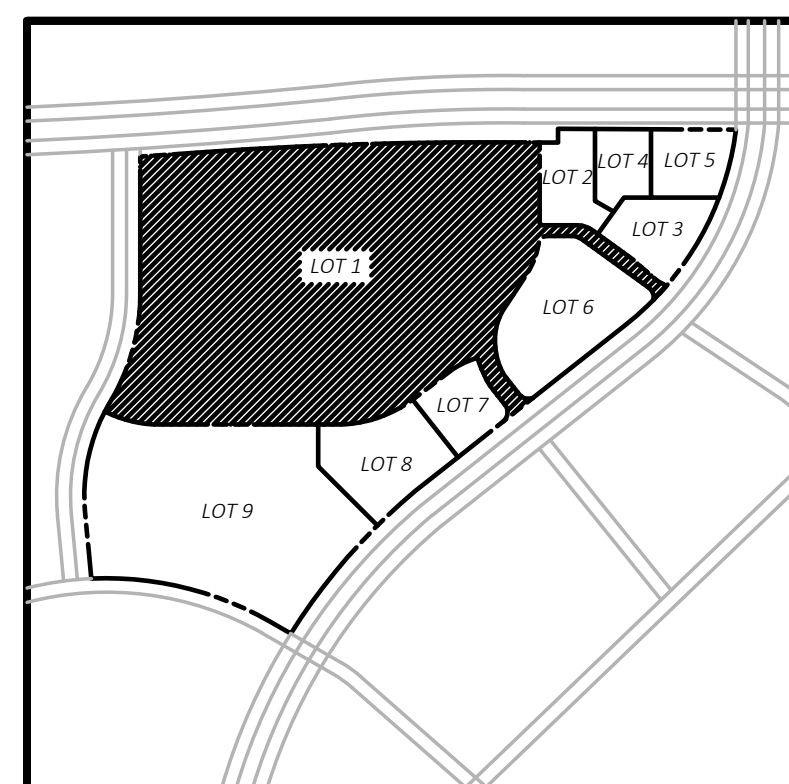
FUEL STATION #4335

11550 MERIDIAN MARKET VIEW

FALCON, CO



VICINITY MAP  
NOT TO SCALE



KEY MAP  
NOT TO SCALE

**RESOURCE LIST:**

- |  |  |   |
|--|--|---|
| OWNER/DEVELOPER<br>WALMART REAL ESTATE BUSINESS TRUST<br>2001 SE 10TH ST, MAIL STOP 5570<br>BENTONVILLE, AR 72716<br>PH: 479-273-4000  | ELECTRIC<br>MOUNTAIN VIEW ELECTRIC ASSOCIATION<br>1140 E. WOODMEN ROAD<br>FALCON, CO 80831<br>PH: 719-495-2283   | PUBLIC WORKS DEPARTMENT<br>EL PASO COUNTY, COLORADO<br>3275 AKERS DRIVE<br>COLORADO SPRINGS, CO 80922<br>PH: 719-520-6460 |
| CIVIL ENGINEER<br>CEI ENGINEERING ASSOC., INC.<br>710 W. PINEDALE AVE.<br>FRESNO, CA 93711<br>JOHN DEGUNYA<br>PROGRAM MANAGER<br>THOMAS BURRY, PE 472294<br>PH: 559-447-3119                         | WATER<br>FALCON HIGHLANDS METROPOLITAN DISTRICT<br>8390 E CRESANT PKWY #500<br>GREENWOOD VILLAGE, CO 80111<br>PH: 719-635-0330                           | FIRE DEPARTMENT<br>FALCON FIRE PROTECTION DISTRICT<br>7030 OLD MERIDIAN ROAD<br>PEYTON, CO 80831<br>PH: 719-495-4050      |
| LAND SURVEYOR<br>CEI ENGINEERING ASSOC. INC.<br>3108 SW REGENCY PKWY<br>BENTONVILLE, AR 72712<br>JAMES G. TEMPLE, CO PLS#8232<br>PH: 479-273-9472  | STORM WATER<br>EL PASO COUNTY, COLORADO<br>3275 AKERS DRIVE<br>COLORADO SPRINGS, CO 80922<br>PH: 719-520-6460  | TELEPHONE & FIBER<br>N/A  |
| ARCHITECT<br>SGA DESIGN GROUP<br>1437 S. BOULDER AVE., SUITE 550<br>TULSA, OK 74119-3609<br>CHRIS EVERITZ<br>PH: 918-587-8600  | SANITARY SEWER<br>WOODMEN HILLS METROPOLITAN DISTRICT<br>8046 EASTONVILLE ROAD<br>FALCON, CO 80831<br>PH: 719-495-2500                                   |   |
| GEOTECHNICAL ENGINEER<br>TERRACON CONSULTANTS, INC.<br>4172 CENTER PARK DR<br>COLORADO SPRINGS, CO 80916-4505<br>WILLIAM A. MORRILL, PE 61036<br>GEOTECHNICAL DEPARTMENT MANAGER<br>PH: 719-597-2116 | BUILDING DEPARTMENT<br>PIKES PEAK REGIONAL BUILDING DEPT.<br>2880 INTERNATIONAL CIR<br>COLORADO SPRINGS, CO 80910<br>PH: 719-327-2880                    |   |
|  | PLANNING AND COMMUNITY DEVELOPMENT<br>EL PASO COUNTY, COLORADO<br>2880 INTERNATIONAL CIRCLE, SUITE 110<br>COLORADO SPRINGS, CO 80910<br>PH: 719-520-6300 |   |

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REVISION		
NO.	DESCRIPTION	DATE

**Soil Corrosivity Screening**

Soils at this site have been identified by the Project Geotechnical Engineer to consist of corrosive properties. See below for the recommended Concrete design and pipeline conditions necessary to mitigate the improvements against corrosive soil effects.

**Project Exposure Class - Concrete (ACI 318-19):**  S0  S1  S2  S3

Exposure Classification	Recommended concrete mix design
S0	Type I or Type II Portland Cement
S1	Type II Portland Cement
S2	Type V Portland Cement
S3	Type V Portland Cement

Notes: The results of the testing indicate ASTM Type I Portland Cement is suitable for project concrete in contact with on-site soils. However, if there is no (or minimal) cost differential, use of ASTM Type II Portland Cement is recommended for additional sulfate resistance of construction concrete.

**Project Exposure Class - Buried Metal:**  Mild  Moderate  Corrosive  Severe

Exposure Classification	Recommended Pipe Use Options
Mild	Standard pipe conditions apply.
Moderate	Corrosion resistant piping – options include PVC, HDPE, cover metal pipes with a Polyethylene Sleeve, add cathodic protection, cover metal pipes with wax tape. Coordinate with engineer.
Corrosive	Corrosion resistant Piping – options include PVC, HDPE, cover metal pipes with a Polyethylene Sleeve. Coordinate with engineer
Severe	Corrosion resistant Piping – options include PVC, HDPE, cover metal pipes with a Polyethylene Sleeve. Coordinate with engineer

Notes: Electrical Resistivity of onsite soils is 1,164 (ohm-cm)

- THE SITEWORK FOR THE WALMART PORTION OF THIS PROJECT SHALL MEET OR EXCEED THE "SITE SPECIFIC SPECIFICATIONS."
- ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO CONTRACT COMPLETION AND THE FINAL CONNECTION OF SERVICES.



Know what's below.  
Call before you dig.

Add text:  
EPC's EDARF Filing #:  
PPR2324



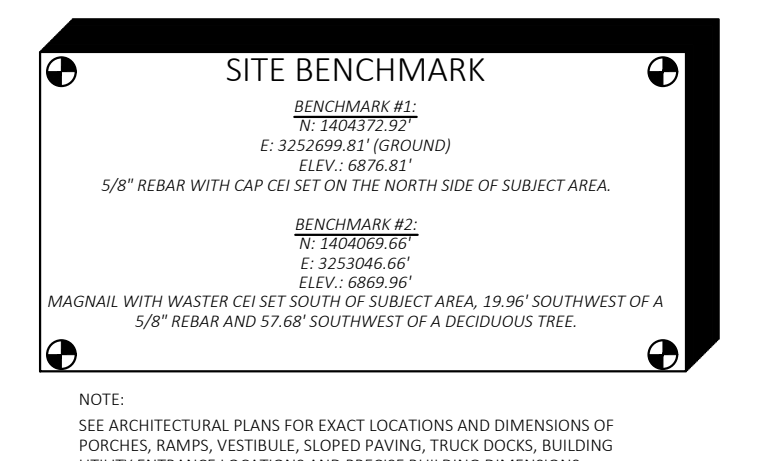
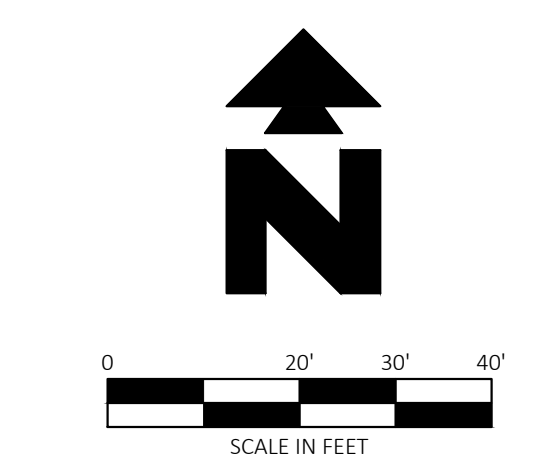
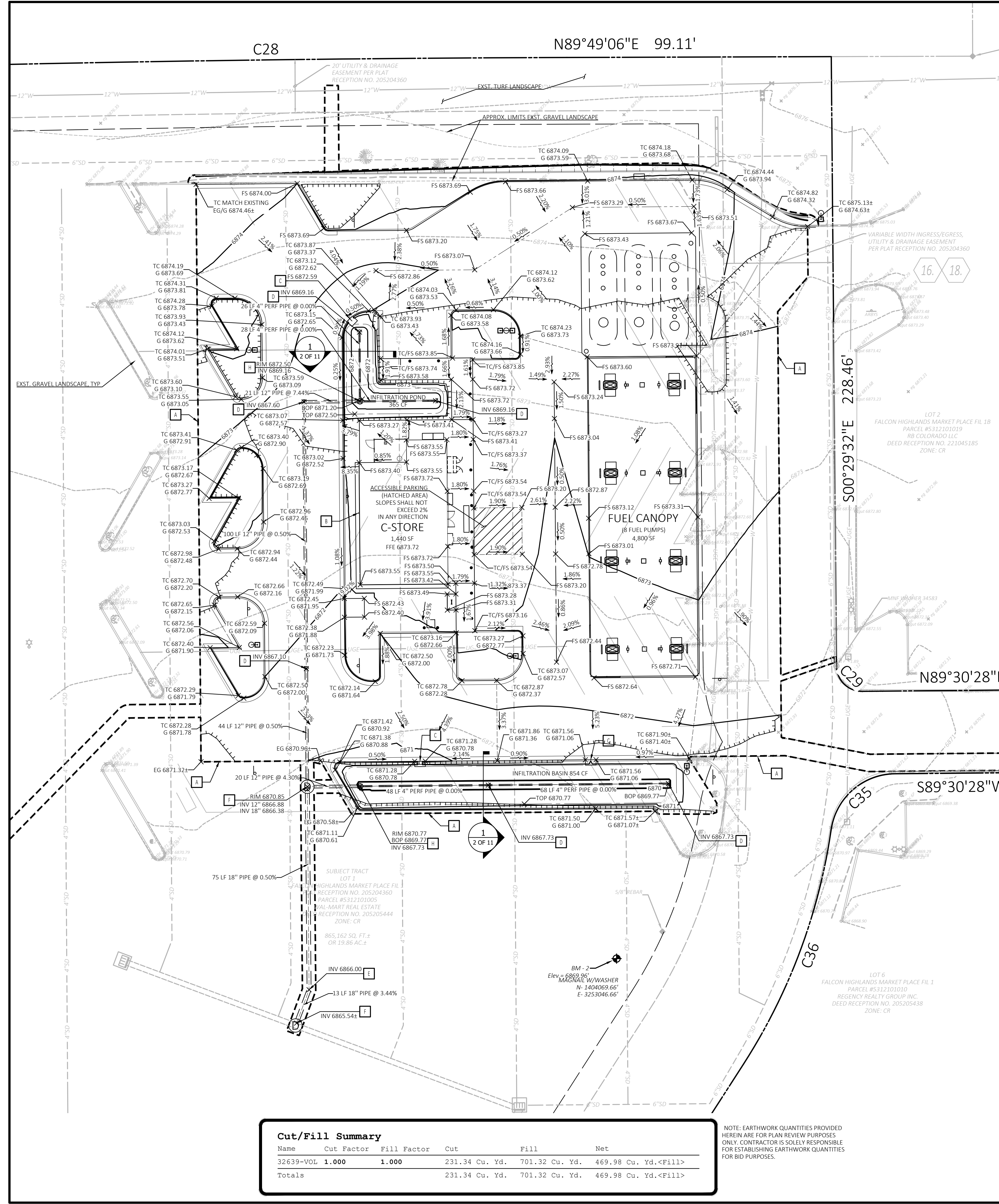
CEI ENGINEERING ASSOCIATES, INC.  
710 W PINEDALE AVE  
FRESNO, CA 93711  
PHONE: (559) 447-3119  
FAX: (559) 447-3129

FUEL STATION #4335  
11550 MERIDIAN MARKET VIEW  
FALCON, CO



PROFESSIONAL OF RECORD	TAB
PROJECT MANAGER	JPD
DESIGNER	JSC
CEI PROJECT NUMBER	32639
DATE	5/8/2023
REVISION	REV-0

GRADING EROSION CONTROL COVER SHEET  
SHEET TITLE  
SHEET NUMBER



**PROPOSED LEGEND**

- PROPERTY / RIGHT-OF-WAY LINE
  - GRADE BREAK
  - CONTOUR ELEVATIONS
  - CONSTRUCTION SITE BOUNDARY
  - CUT / FILL LINE
  - CUT SIDE
  - FILL SIDE
  - SPOT ELEVATIONS
- ABBREVIATIONS:
- BOP BOTTOM OF POND
  - EG EXISTING GRADE
  - FFE FINISH FLOOR ELEVATION
  - FS FINISH SURFACE
  - FLG FLOWLINE OF GUTTER
  - SF SQUARE FOOT
  - TC TOP OF CURB
  - TOP TOP OF POND

**EXISTING LEGEND**

- Boundary Line
- Adjoining Boundary Line
- UGT Underground Telephone Line
- UGE Underground Electric Line
- OHE Overhead Electric Line
- G Gas Line
- Wood Fence Line
- Break Line
- Sanitary Sewer Line
- Storm Drainage Pipe
- Easement Line
- Right-of-Way Line
- Benchmark (BM)
- Found Aluminum Cap (As Noted)
- Drainage Manhole (DMH)
- Sewer Manhole (SMH)
- Electric Riser
- Telephone Riser
- Fiber Optic Vault
- Traffic Signal Vault
- Electric Vault
- Water Valve
- Traffic Sign (Type of Sign)
- Sewer Clean Out
- Light Pole (1 Lamp)
- Light Pole (4 Lamps)
- Traffic Light (2 Lamps)
- Tree (Deciduous)
- Tree (Evergreen)
- Record Bearing & Distance per Plat Bk. 2007, Pg. 18
- RCP Reinforced Concrete Pipe
- R/W Right-of-Way
- CMP Corrugated Metal Pipe
- Double Pole Pylon Sign
- Polyvinyl Chloride Pipe

**SUBSURFACE FOUNDATION PREPARATION NOTE**

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 FUEL STATION SERVICE BUILDING, DIRECTLY BENEATH AND 5 FEET BEYOND CANOPY.

ESTABLISH THE FINAL SUBGRADE ELEVATION TO ALLOW FOR THE CONCRETE SLAB, BASE, AND SUBBASE (IF SUBBASE IS REQUIRED BELOW). REFERENCE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR REQUIRED SLAB THICKNESS. FOR THE BUILDING INTERIOR SLAB-ON-GRADE, THE 4 INCH (MINIMUM) THICK BASE MATERIAL SHALL CONFORM TO COLORADO DEPARTMENT OF TRANSPORTATION CLASS 6 AGGREGATE BASE AS PRESENTED IN SECTION 703.03 OF COLORADO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2021. THE SUBGRADE MATERIAL SHALL BE DESIGNATED NATIVE SOILS OR NEW ENGINEERED FILL.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ACCURATE MEASUREMENTS FOR ALL CUT AND FILL DEPTHS REQUIRED. ANY PROPOSED EQUIVALENT ALTERNATIVE BASE OR SUBBASE MATERIAL MUST BE SUBMITTED FOR APPROVAL WITHIN 30 DAYS AFTER AWARD OF CONTRACT. ANY EQUIVALENT ALTERNATIVE SHALL ONLY BE USED IF APPROVED IN WRITING BY THE CEC AND AOR.

EXISTING FOUNDATIONS, SLABS, PAVEMENTS, AND BELOW-GRADE STRUCTURES SHALL BE REMOVED FROM THE BUILDING AREA. REMOVE SURFACE VEGETATIONS, TOPSOIL, ROOT SYSTEMS, ORGANIC MATERIAL, EXISTING FILL, AND SOFT OR OTHERWISE UNSATISFACTORY MATERIAL FROM THE BUILDING AREA. PROOFROLL EXPOSED SUBGRADE. REMOVE AND REPLACE UNSATISFACTORY AREAS WITH SATISFACTORY MATERIAL. SUBGRADE MATERIAL SHALL BE FREE OF ORGANIC AND OTHER DELETERIOUS MATERIALS AND SHALL MEET THE FOLLOWING REQUIREMENTS:

PROJECT AREA	P1	LL
	<15 MAX.>	<30 MAX.>

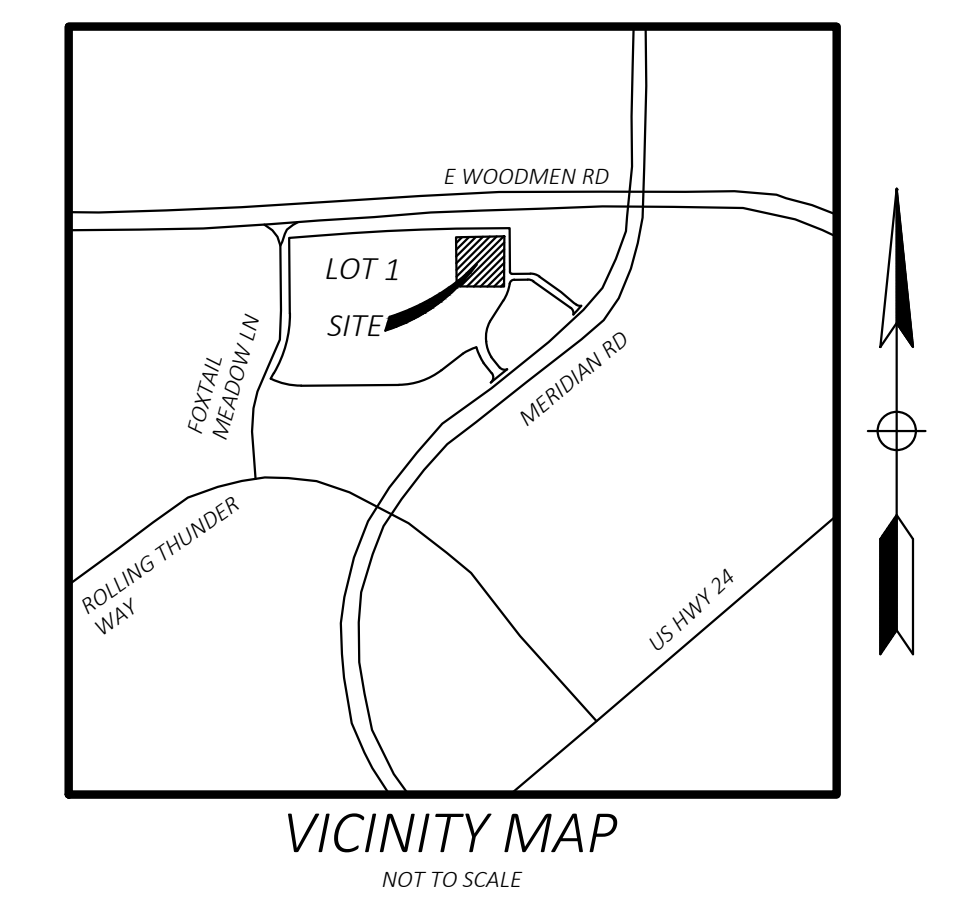
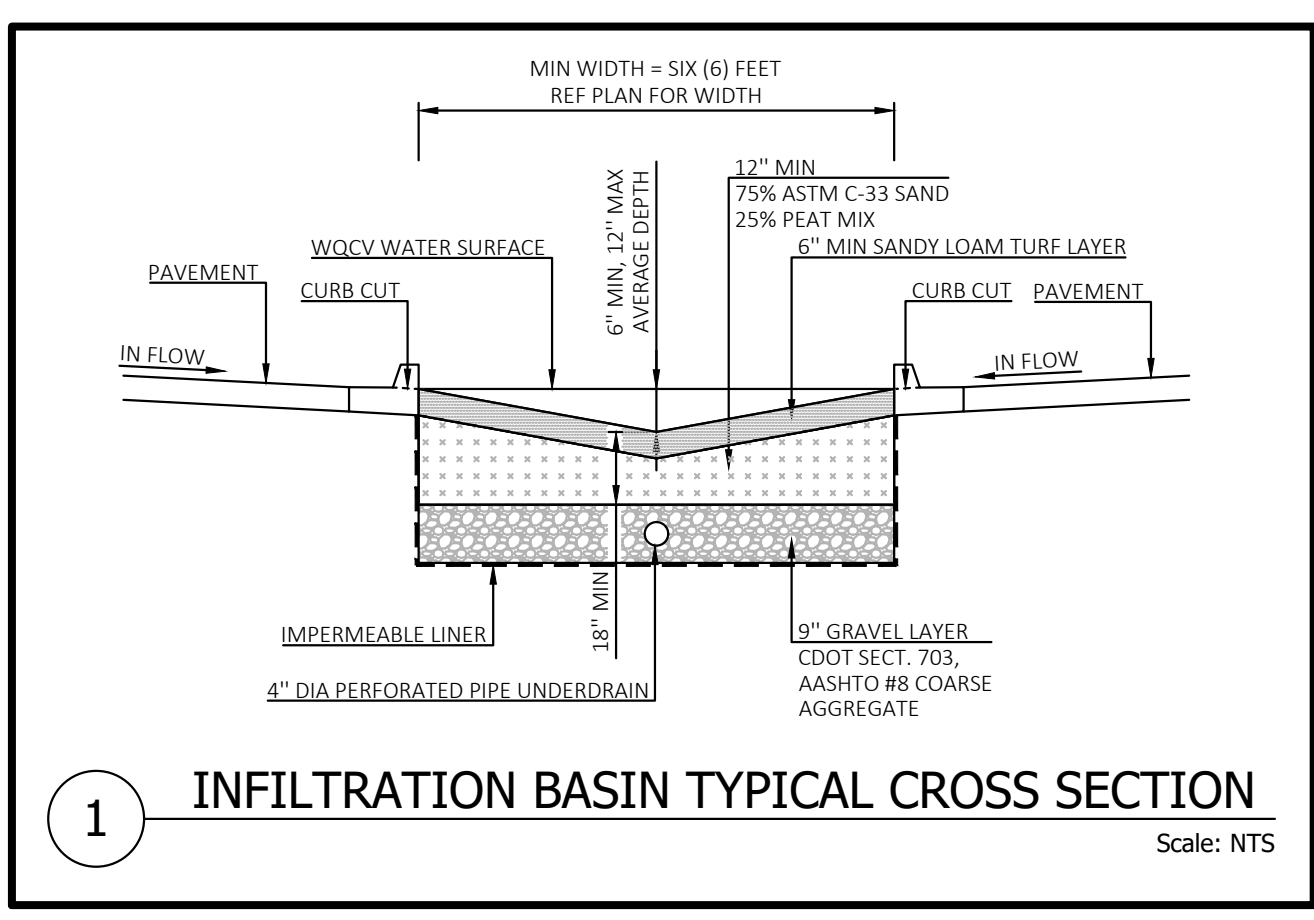
SAND SUBGRADE MATERIAL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 8 INCHES IN THICKNESS AND COMPACTED TO AT LEAST 98 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698) AT A MOISTURE CONTENT WITHIN 2 PERCENT BELOW TO 2 PERCENT ABOVE THE OPTIMUM.

THE FOUNDATION SYSTEM SHALL BE ISOLATED SPREAD FOOTINGS AT COLUMNS AND CONTINUOUS SPREAD FOOTINGS AT WALLS.

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 WALMART SPECIFICATIONS. REFER TO THE SPECIFICATIONS FOR SPECIFIC INFORMATION NOT COVERED IN THIS PREPARATION. THIS INFORMATION WAS TAKEN FROM A GEOTECHNICAL REPORT PREPARED BY TERRACON CONSULTANTS, INC., DATED JULY 14, 2022 (GEOTECHNICAL REPORT IS FOR INFORMATION ONLY AND IS NOT A CONSTRUCTION SPECIFICATION).

**GRADING PLAN LEGEND**

- A LIMITS OF SAWCUT AND PAVEMENT REMOVAL, MATCH EXISTING PAVEMENT ELEVATIONS.
- B DOWN SPOUTS (DISCHARGE AT GRADE), REF ARCH / MEP PLANS
- C CURB CUT, REF SHEET 3 OF 11 - GRADING & EROSION CONTROL NOTES
- D STORM DRAIN CLEAN OUT, REF SHEET 3 OF 11 - GRADING & EROSION CONTROL NOTES
- E 18 INCH - 22 1/2" BEND
- F STORM DRAIN MANHOLE, REF SHEET 3 OF 11 - GRADING & EROSION CONTROL NOTES
- G NOT USED
- H 12 INCH NYLOPLAST INLINE DRAIN BASIN WITH 12 INCH BEEHIVE GRATE



**Cut/Fill Summary**

Name	Cut Factor	Fill Factor	Cut	Fill	Net
32639-VOL	1.000	1.000	231.34 Cu. Yd.	701.32 Cu. Yd.	469.98 Cu. Yd. <Fill>
Totals			231.34 Cu. Yd.	701.32 Cu. Yd.	469.98 Cu. Yd. <Fill>

NOTE: EARTHWORK QUANTITIES PROVIDED HEREIN ARE FOR PLAN REVIEW PURPOSES ONLY. CONTRACTOR IS SOLELY RESPONSIBLE FOR ESTABLISHING EARTHWORK QUANTITIES FOR BID PURPOSES.

**ALERT TO CONTRACTOR:**  
ALL WM GENERAL CONTRACTOR WORK TO BE COMPLETED (EARTHWORK, FINAL UTILITIES, AND FINAL GRADING) BY THE MILESTONE DATE IN PROJECT DOCUMENTS.

**DEWATERING NOTE:**  
WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS. REFER TO SITE SPECIFICATIONS.

FUEL STATION #4335  
11550 MERIDIAN MARKET VIEW  
FALCON, CO



PROFESSIONAL OF RECORD	TAB
PROJECT MANAGER	JPD
DESIGNER	JSC
CEI PROJECT NUMBER	32639
DATE	6/15/2023
REVISION	REV-0

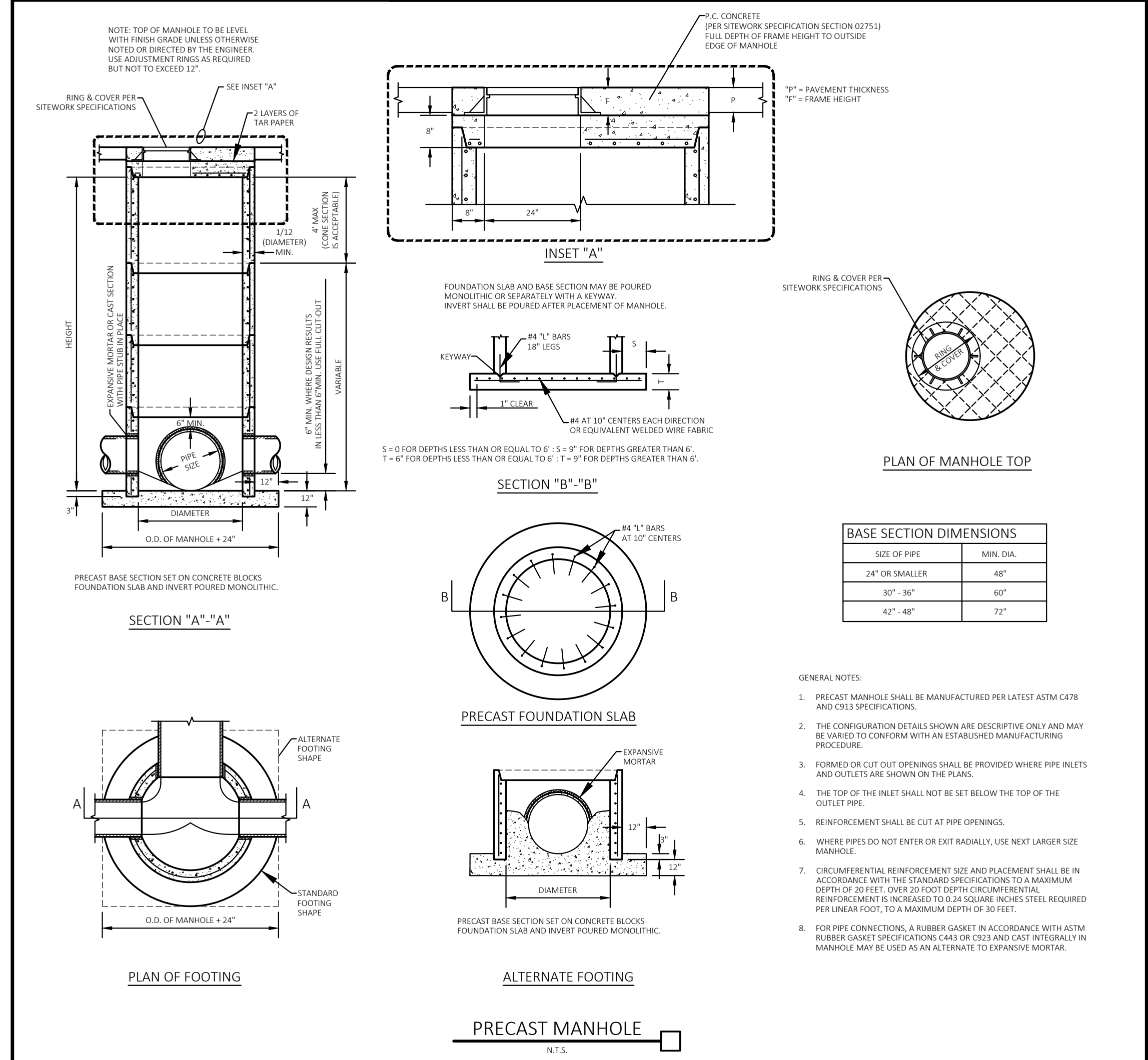
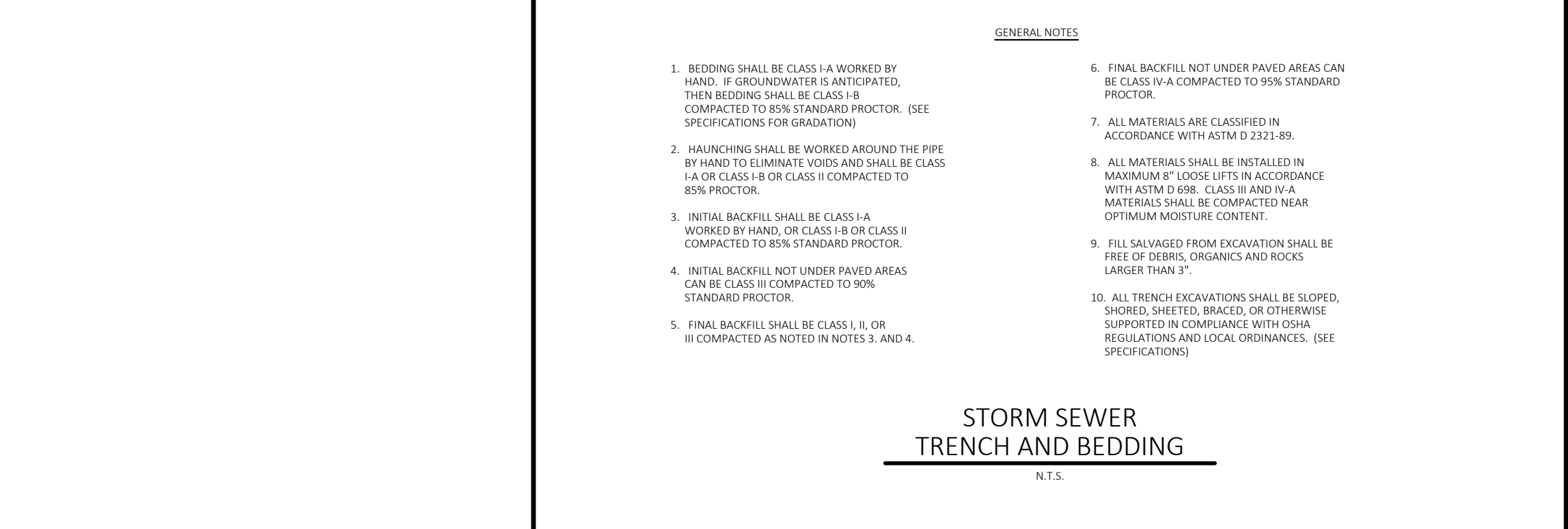
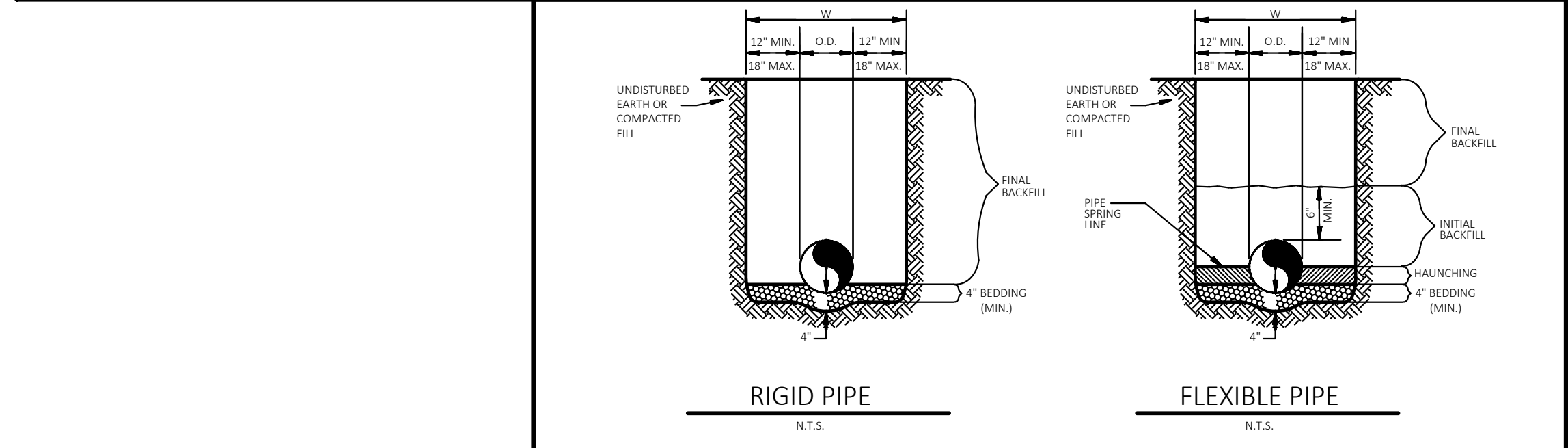
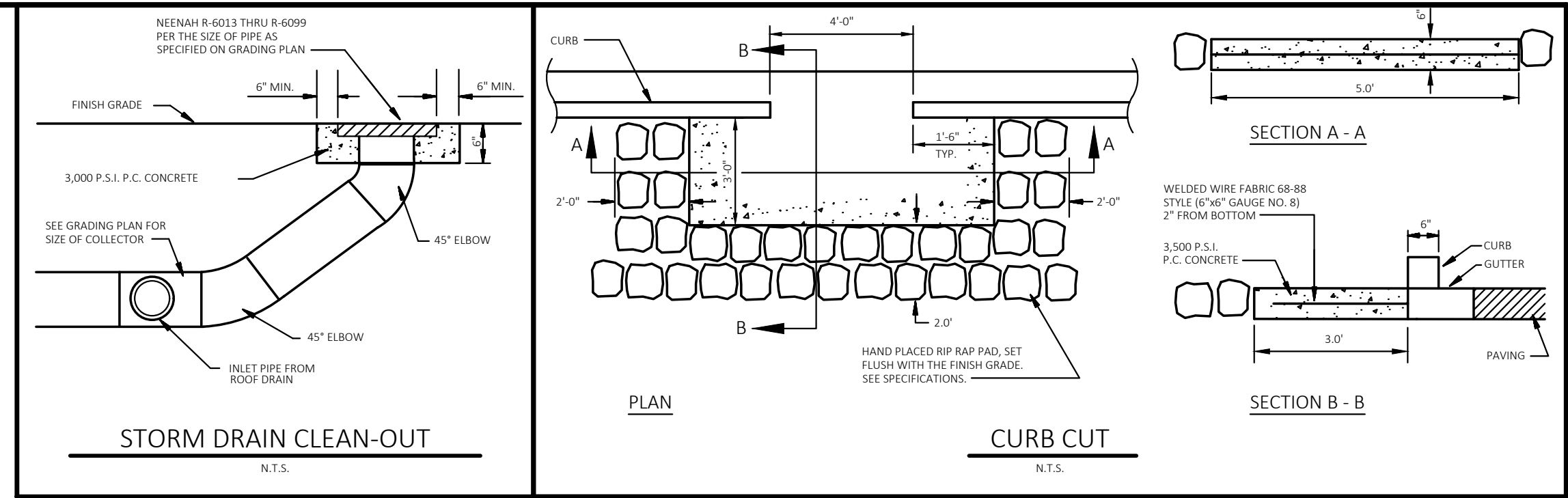
GRADING PLAN  
SHEET TITLE  
SHEET NUMBER

STANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION CONTROL PLANS

- STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
- NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORMWATER DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
- A SEPARATE STORMWATER MANAGEMENT PLAN (SWMP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. MANAGEMENT OF THE SWMP DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE DESIGNATED QUALIFIED STORMWATER MANAGER OR CERTIFIED EROSION CONTROL INSPECTOR. THE SWMP SHALL BE LOCATED ON-SITE AT ALL TIMES DURING CONSTRUCTION AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
- ONCE THE ESQCP IS APPROVED AND A "NOTICE TO PROCEED" HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED GEC. A PRECONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, AND EL PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY STAFF.
- CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER. CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, AND DISTURBED LAND AREAS SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF THE DISTURBANCE.
- ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE ACTIVITIES SHALL ASSESS THE ADEQUACY OF CONTROL MEASURES AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CONTROL MEASURES ARE NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CONTROL MEASURES. ALL CHANGES TO TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MUST BE INCORPORATED INTO THE STORMWATER MANAGEMENT PLAN.
- TEMPORARY STABILIZATION SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.
- FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES ARE COMPLETE AND ALL DISTURBED AREAS EITHER HAVE A UNIFORM VEGETATIVE COVER WITH INDIVIDUAL PLANT DENSITY OF PERCENT OF PRE-DISTURBANCE LEVELS ESTABLISHED OR EQUIVALENT PERMANENT ALTERNATIVE STABILIZATION METHOD IS IMPLEMENTED. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED UPON FINAL STABILIZATION AND BEFORE PERMIT CLOSURE.
- ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DESIGNED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT EFFECT THE DESIGN OR FUNCTION OF PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE EGM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
- EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A WATERS OF THE STATE UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED.
- COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES OR WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES SHALL ALSO BE PROTECTED DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF COMPACTION PREVENTION IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, ALL AREAS DESIGNATED FOR INFILTRATION AND VEGETATION CONTROL MEASURES MUST BE LOOSENEED PRIOR TO INSTALLATION OF THE CONTROL MEASURE(S).
- ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF-SITE.
- CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO ENTER STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUTS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK OR STREAM.
- DURING DEWATERING OPERATIONS, UNCONTAMINATED GROUNDWATER MAY BE DISCHARGED ON-SITE, BUT SHALL NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF UNLESS AN APPROVED STATE DEWATERING PERMIT IS IN PLACE.
- EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. CONTROL MEASURES MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
- TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFF-SITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
- THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL, AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEMS AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
- THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.
- NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ON-SITE UNLESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE EGM ADMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
- BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER ALLOWED LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPILLS ON-SITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR OTHER FACILITIES.
- NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
- OWNER/DEVELOPER AND THEIR AGENTS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE, DCM VOLUME II, AND THE EGM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (1041, NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.
- PRIOR TO CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
- A WATER SOURCE SHALL BE AVAILABLE ON-SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
- THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY [COMPANY NAME, DATE OF REPORT] AND SHALL BE CONSIDERED A PART OF THESE PLANS.
- AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN(SWMP), OF WHICH THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:  
COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT  
WATER QUALITY CONTROL DIVISION  
WQCD - PERMITS  
4500 CHERRY CREEK DRIVE SOUTH  
DENVER, CO 80248-1530  
ATTN: PERMITS UNIT

GENERAL GRADING NOTES

- CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY.
  - 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 ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES 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 WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
  - ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
  - EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
  - EXISTING GRADE CONTOUR SHOWN AT ONE (1) FOOT INTERVALS.
  - PROPOSED GRADE CONTOUR SHOWN AT ONE (1) FOOT INTERVALS.
  - IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
  - ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
  - ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE SIX (6) INCHES ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
  - THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE EPA OR APPLICABLE STATE GENERAL N.P.D.E.S. PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES AND THE WALMART SPECIAL CONDITIONS, SECTION 8, ENVIRONMENTAL COMPLIANCE AND STORM WATER POLLUTION PREVENTION.
  - CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
  - CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
  - TOPOGRAPHIC INFORMATION IS TAKEN FROM A TOPOGRAPHIC SURVEY BY LAND SURVEYORS. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY, AT THEIR EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR TO THE OWNER FOR REVIEW.
  - ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER. CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH GOVERNING SPECIFICATIONS UNTIL A HEALTHY STAND OF VEGETATION IS OBTAINED.
  - CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
  - ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.
  - PRIOR TO INSTALLATION OF STORM OR SANITARY SEWER, THE CONTRACTOR SHALL EXCAVATE, VERIFY, AND CALCULATE ALL CROSSINGS AND INFORM THE OWNER AND THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION. THE ENGINEER WILL BE HELD HARMLESS IN THE EVENT THE ENGINEER IS NOT NOTIFIED OF DESIGN CONFLICTS.
  - CONTRACTOR HAS THE OPTION TO BID THE FOLLOWING MATERIAL FOR THE STORM SEWER SYSTEM EXCEPT WHERE OTHERWISE NOTED: RCP, HDPE, OR PVC AS INDICATED ON THIS PLAN WHERE THE WORD PIPE IS USED. ALL PIPES SHALL HAVE A MAXIMUM ROUGHNESS COEFFICIENT ("N") OF 0.013 AND SHALL MEET OR EXCEED THE PIPE MANUFACTURERS REQUIREMENTS FOR MINIMUM AND MAXIMUM COVER. CONTRACTOR SHALL REFER TO THE SITEMARK SPECIFICATION SECTION FOR STORM SEWER SYSTEMS FOR ACCEPTABLE TYPE AND MATERIAL.
  - PRECAST STRUCTURES MAY BE USED AT CONTRACTORS OPTION.
  - ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND FOUR (4) INCHES OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON SITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL, APPROVED BY THE OWNER, AS NEEDED. THE AREA SHALL THEN BE SEEDED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS (SEE LANDSCAPE PLAN FOR SEED MIX AND PROPER APPLICATION RATE). ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
  - UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON OR WITHIN THE SPECIFICATIONS:
- ALL STORM DRAIN PIPES ARE MEASURED FROM CENTER OF STRUCTURES AND ENDS OF FLARED END SECTIONS.



DRAWING LOCATION - P:\320001\32639\01DRAWINGS\DESIGN\WORKING\32639 GP.DWG - SAVED BY - JDEPERKINS

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FUEL STATION #4335  
11550 MERIDIAN MARKET VIEW  
FALCON, CO

PROFESSIONAL OF RECORD	TAB
PROJECT MANAGER	JPD
DESIGNER	JSC
CEI PROJECT NUMBER	32639
DATE	6/7/2023
REVISION	REV-0

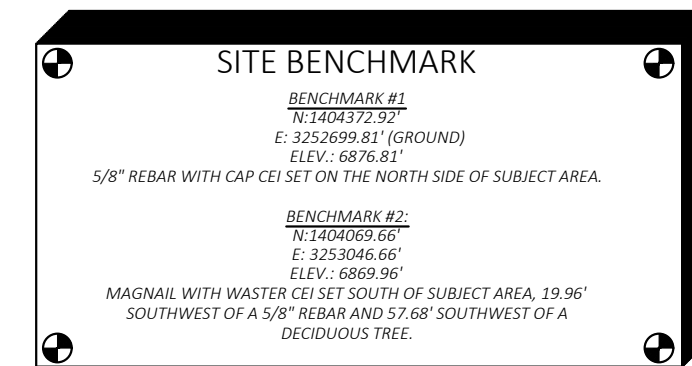
GRADING & EROSION CONTROL NOTES  
SHEET TITLE  
SHEET NUMBER

# SWPPP PLANS FOR CONSTRUCTION OF FUEL STATION #4335-543

## 11550 MERIDIAN MARKET VIEW, FALCON, COLORADO



CEI ENGINEERING ASSOCIATES, INC.  
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### NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEMS (NPDES) NOTES

- IN THE CASE OF EMERGENCY, CALL THE WALMART CONSTRUCTION MANAGER.
- SEDIMENT FROM AREAS DISTURBED BY CONSTRUCTION SHALL BE RETAINED ON SITE USING STRUCTURAL CONTROLS TO THE MAXIMUM EXTENT PRACTICABLE.
- STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO MINIMIZE SEDIMENT TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES OR ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TRACKING, OR WIND.
- APPROPRIATE BMP'S FOR CONSTRUCTION-RELATED MATERIALS, WASTES, SPILLS SHALL BE IMPLEMENTED TO MINIMIZE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTIES BY WIND OR RUNOFF.
- RUNOFF FROM EQUIPMENT AND VEHICLE WASHING SHALL BE CONTAINED AT CONSTRUCTION SITES UNLESS TREATED TO REDUCE OR REMOVE SEDIMENT AND OTHER POLLUTANTS.
- ALL CONSTRUCTION CONTRACTOR AND SUBCONTRACTOR PERSONNEL ARE TO BE MADE AWARE OF THE REQUIRED BEST MANAGEMENT PRACTICES AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ASSOCIATED CONSTRUCTION STAGING AREAS.
- AT THE END OF EACH DAY OF CONSTRUCTION ACTIVITY ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE COLLECTED AND PROPERLY DISPOSED IN THE TRASH OR RECYCLE BINS.
- CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH A CONDITION THAT AN ANTICIPATED STORM DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE. DISCHARGES OF MATERIAL OTHER THAN STORM WATER ONLY WHEN NECESSARY FOR PERFORMANCE AND COMPLETION OF CONSTRUCTION PRACTICES AND WHERE THEY DO NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF ANY WATER QUALITY STANDARD; CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR NUISANCE; OR CONTAIN A HAZARDOUS SUBSTANCE IN A QUANTITY REPORTABLE UNDER FEDERAL REGULATIONS 40 CFR PARTS 117 AND 302.
- POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SOLID OR LIQUID CHEMICAL SPILLS; WASTES FROM PAINTS, STAINS, SEALANTS, GLUES, LIMES, PESTICIDES, HERBICIDES, WOOD PRESERVATIVES AND SOLVENTS; ASBESTOS FIBERS, PAINT FLAKES OR STUCCO FRAGMENTS; FUELS, OILS, LUBRICANTS, AND HYDRAULIC, RADIATOR OR BATTERY FLUIDS; FERTILIZERS, VEHICLE/EQUIPMENT WASH AND CONCRETE WASH WATER; CONCRETE, DETERGENT OR FLOATABLE WASTES; WASTES FROM ANY ENGINE/EQUIPMENT STREAM CLEANING OR CHEMICAL DEGREASING AND SUPER CHLORINATED POTABLE WATER LINE FLUSHING. DURING CONSTRUCTION, PERMITTEE SHALL DISPOSE OF SUCH MATERIALS IN A SPECIFIED AND CONTROLLED TEMPORARY AREA ON-SITE, PHYSICALLY SEPARATED FROM POTENTIAL STORM WATER RUNOFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
- DEWATERING OF CONTAMINATED GROUNDWATER, OR DISCHARGE CONTAMINATED SOILS VIA SURFACE EROSION IS PROHIBITED. DEWATERING OF NON-CONTAMINATED GROUNDWATER REQUIRES A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT FROM THE RESPECTIVE STATE REGIONAL WATER QUALITY CONTROL BOARD.
- GRADED AREAS ON THE PERMITTED AREA PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPES AT THE CONCLUSION OF EACH WORKING DAY. DRAINAGE IS TO BE DIRECTED TOWARD DESILTING FACILITIES.
- THE PERMITTEE AND CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.
- THE PERMITTEE AND CONTRACTOR SHALL INSPECT THE EROSION CONTROL WORK AND INSURE THAT THE WORK IS IN ACCORDANCE WITH THE APPROVED PLANS.
- THE PERMITTEE SHALL NOTIFY ALL GENERAL CONTRACTORS, SUBCONTRACTORS, MATERIAL SUPPLIERS, LESSEES, AND PROPERTY OWNERS: THAT DUMPING OF CHEMICALS INTO THE STORM DRAIN SYSTEM OR THE WATERSHED IS PROHIBITED.
- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- ALL REMOVABLE EROSION PROTECTIVE DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE FIVE DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.
- SEDIMENTS FROM AREAS DISTURBED BY CONSTRUCTION SHALL BE RETAINED ON SITE USING AN EFFECTIVE COMBINATION OF EROSION AND SEDIMENT CONTROLS TO THE MAXIMUM EXTENT PRACTICABLE, AND STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO MINIMIZE SEDIMENT TRANSPORT FROM SITE TO STREETS, DRAINAGE FACILITIES OF ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TRACKING, OR WIND.
- APPROPRIATE BMP'S FOR CONSTRUCTION-RELATED MATERIALS, WASTES, SPILLS OR RESIDUES SHALL BE IMPLEMENTED AND RETAINED ON SITE TO MINIMIZE TRANSPORT FROM SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTY BY WIND RUNOFF.

### GENERAL NOTES

- PROJECT OFFICE WALL SWPPP POSTINGS: THE FOLLOWING ITEMS MUST BE POSTED TOGETHER IN A SINGLE, ORGANIZED LOCATION ON A WALL INSIDE THE PROJECT OFFICE:
  - SWPPP SITE MAPS (ALL PHASES);
  - SWPPP DETAIL SHEETS;
  - MAP SHOWING LOCATION OF OFFSITE IMPORT OR EXPORT FACILITY;
  - REVISIONS TO DETAILS, SITE MAPS, OR SWPPP-RELATED REFS;
  - SITE SWPPP BINDER;
  - SWCT PLACARD;
  - CURRENT OWNER TRAINING CERTIFICATES FOR SUPERINTENDENT(S) AND COMPLIANCE OFFICER(S); AND
  - CERTIFICATIONS AND/OR TRAINING CERTIFICATES REQUIRED TO PERFORM INSPECTIONS BY THE APPLICABLE CONSTRUCTION GENERAL PERMIT OR AUTHORITY HAVING JURISDICTION.
- PERMITTED PROJECT AREA: FOR PURPOSES OF THIS SWPPP AND ASSOCIATED STORMWATER PERMIT, 'PERMITTED PROJECT AREA' IS DEFINED AS ANY AND ALL AREAS WITHIN THE PROJECT LIMITS OF DISTURBANCE, AS SHOWN ON THE SWPPP SITE MAPS AND IDENTIFIED IN THE NOTICE OF INTENT TO THE AGENCY. ALL GROUND-DISTURBING AND CONSTRUCTION-RELATED ACTIVITIES (MATERIAL STORAGE, DUMPSTERS, PARKING AREAS, PROJECT OFFICE TRAILER, ETC.) MUST BE INCLUDED WITHIN THE PERMITTED PROJECT AREA LIMITS OF DISTURBANCE. OFFSITE AREA(S) TO BE DISTURBED AS PART OF THIS PROJECT (NOT ON OWNER PROPERTY): OFFSITE AREAS THAT EXTEND BEYOND THE WALMART BOUNDARY AREA, BUT MUST BE INCLUDED WITHIN THE PERMITTED AREA INCLUDE THE FOLLOWING:
  - ONSITE GRADING, LANDSCAPING, AND UTILITY TIE-IN.

ALL AREAS OUTSIDE THE PERMITTED PROJECT AREA (I.E., LIMITS OF DISTURBANCE) ACQUIRED FOR USE BY THE GC OR A SUBCONTRACTOR OF THE GC (BORROW SOURCES, DISPOSAL AREAS, ETC.) MUST BE MANAGED IN ACCORDANCE WITH APPENDIX E - TAB 21 OF THE 02370 SPECIFICATION. THE CONTRACTOR IS REQUIRED TO LOCATE OFFICE TRAILERS AND MATERIAL STORAGE AREAS FOR THE PROJECT WITHIN THE LIMITS OF DISTURBANCE. THE CONTRACTOR MAY REQUEST USE OF OFF-SITE LOCATIONS FOR OFFICE TRAILERS OR NON-ERODIBLE MATERIAL STORAGE; HOWEVER, APPROVAL MUST BE OBTAINED FROM THE CONSTRUCTION MANAGER, THE CEC AND THE OWNER PRIOR TO THEIR USE. REQUESTS WILL BE REVIEWED ON A CASE BY CASE BASIS AND IF APPROVED, LIMITATIONS ON USE WILL BE PROVIDED BY THE CEC.
- SPECIAL PROJECT AREAS: THERE ARE NO SPECIAL PROJECTS, LOCATED BEYOND THE OWNER PERMITTED PROJECT AREA, REQUIRING INSPECTION AND MAINTENANCE ASSOCIATED WITH THIS CONSTRUCTION PROJECT.
- NON-STORMWATER DISCHARGES: THE GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES PROHIBITS MOST NON-STORMWATER DISCHARGES DURING THE CONSTRUCTION PHASE. ALLOWABLE NON-STORMWATER DISCHARGES THAT OCCUR DURING CONSTRUCTION ON THIS PROJECT, ARE INCLUDED IN THE SECTION 18.10.A OF THE GENERAL PERMIT.

- BEST MANAGEMENT PRACTICES (BMP'S) MUST BE IMPLEMENTED FOR THE GENERAL PERMIT ALLOWABLE DISCHARGES FOR THE DURATION OF THE PERMIT. THE TECHNIQUES DESCRIBED IN THIS SWPPP FOCUS ON PROVIDING CONTROL OF POLLUTANT DISCHARGES WITH PRACTICAL APPROACHES THAT UTILIZE READILY AVAILABLE EXPERTISE, MATERIAL, AND EQUIPMENT.
- NON-STORMWATER COMPONENTS OF SITE DISCHARGES MUST BE UNCONTAMINATED NON-TURBID WATER. ALL NON-STORMWATER DISCHARGES MUST BE ROUTED TO A STORMWATER CONTROL PRIOR TO DISCHARGE. WATER USED FOR CONSTRUCTION WHICH DISCHARGES FROM THE SITE MUST ORIGINATE FROM A PUBLIC WATER SUPPLY OR PRIVATE WELL APPROVED BY THE STATE HEALTH DEPARTMENT. WATER USED FOR CONSTRUCTION THAT DOES NOT ORIGINATE FROM AN APPROVED PUBLIC SUPPLY MUST NOT DISCHARGE FROM THE SITE; IT CAN BE RETAINED IN RETENTION PONDS UNTIL IT INFILTRATES OR EVAPORATES. WHEN NON-STORMWATER IS DISCHARGED FROM THE SITE, IT MUST BE DONE IN A MANNER SUCH THAT IT DOES NOT CAUSE EROSION OF THE SOIL DURING DISCHARGE.
- POWER WASHING: PROCESS WATER SUCH AS POWER WASHING WATER AND CONCRETE CUTTING EFFLUENT, AMONG OTHERS, MUST BE COLLECTED FOR TREATMENT AND DISPOSAL. IT MUST NOT BE FLUSHED INTO THE SITE STORM DRAIN SYSTEM OR DISCHARGED OFF-SITE.
  - DISCHARGE POINTS: ALL DISCHARGE POINTS MUST BE INSPECTED TO DETERMINE WHETHER EROSION AND SEDIMENTATION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING DISCHARGE OF SEDIMENT FROM THE SITE AND/OR IMPACTS TO RECEIVING WATERS. SEDIMENT ACCUMULATION DOWNGRADIENT OF DISCHARGE LOCATIONS SHALL BE REPORTED AS A SEDIMENT DISCHARGE (SEE APPENDIX E - TAB 14, SEDIMENT RELEASES, OF THE 02370 SPECIFICATION) AND THE POTENTIAL UPSTREAM CAUSE SHALL BE INVESTIGATED TO PREVENT FUTURE OCCURRENCE. CONTACT THE CM, CEC AND SWCT TO DETERMINE APPROPRIATE ACTION FOR CLEANUP OF DISCHARGED SEDIMENT THAT MAY BE OUTSIDE OF THE LIMITS OF DISTURBANCE. SEE SAMPLING AND MONITORING OF EFFLUENT PLAN (IF APPLICABLE).

### EROSION AND SEDIMENT CONTROL NOTES

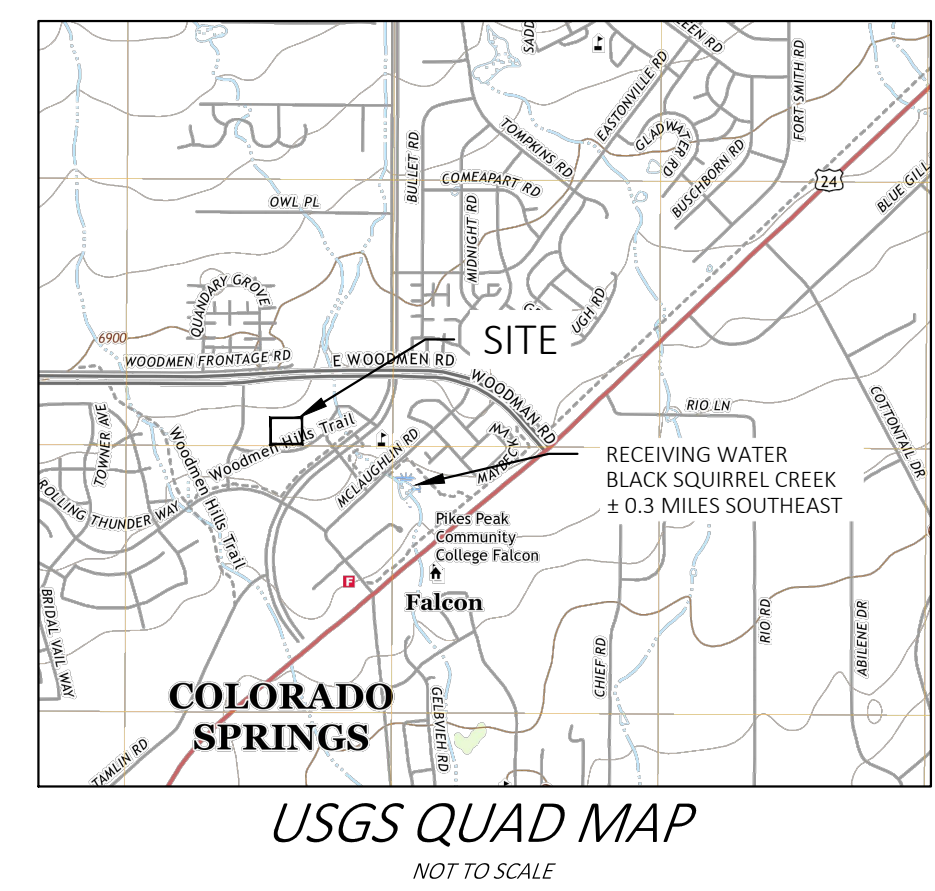
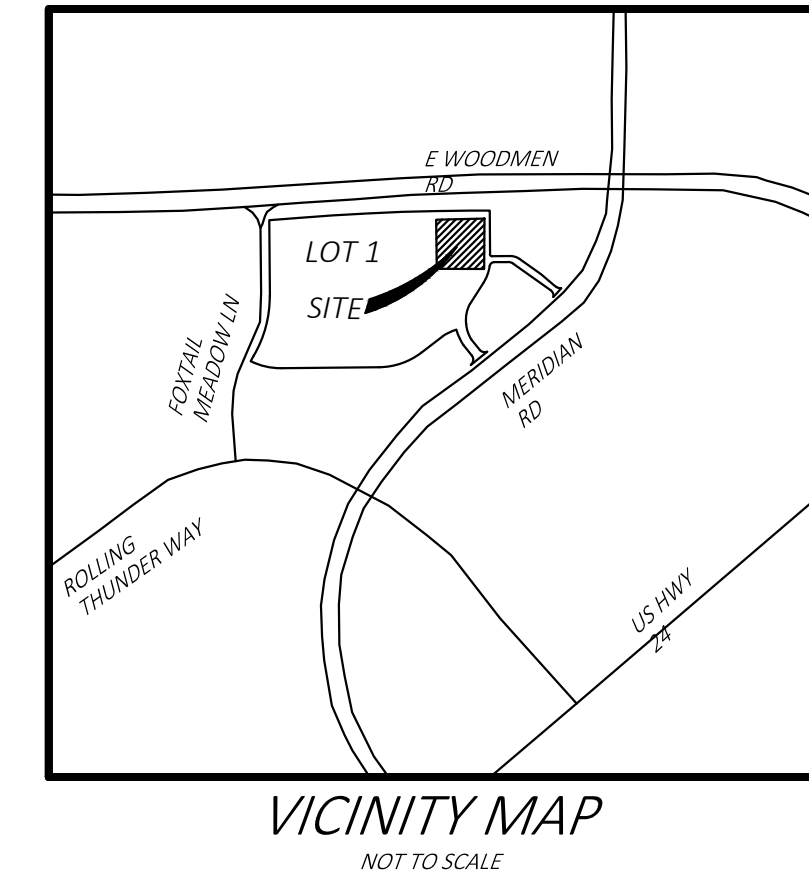
- CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THIS STORM WATER POLLUTION PREVENTION PLAN. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- BEST MANAGEMENT PRACTICES (BMP'S) 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.
- 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.
- CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH SWPPP IMPLEMENTATION SEQUENCE, OR AS REQUIRED BY THE APPLICABLE GENERAL PERMIT. NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARING AND/OR GRADING SHALL BE PERMITTED.
- 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 AND/OR BLANKETS. COMPLETION MUST BE ACHIEVED WITHIN SEVEN DAYS.
- 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, SODDED, AND/OR VEGETATED IMMEDIATELY, AND COMPLETED NO LATER THAN SEVEN DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.
- SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION. TEMPORARY AND/OR PERMANENT STABILIZATION SHALL BE APPLIED PER REQUIREMENTS IN THESE E&S CONTROL NOTES.
- 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 OFF-SITE.
- 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 SITE PLANS.
- STORM WATER POLLUTANT CONTROL MEASURES INSTALLED DURING CONSTRUCTION, THAT WILL ALSO PROVIDE STORM WATER MANAGEMENT AFTER CONSTRUCTION, ARE INCLUDED IN THE CONTRACT DOCUMENTS. THE SITE-SPECIFIC POST CONSTRUCTION STORM WATER OPERATION AND MAINTENANCE (O&M) MANUAL IS INCLUDED IN THE CONTRACT DOCUMENTS.
- ALL PERMANENT CONTROLS AND SYSTEMS MUST BE INSTALLED AND FUNCTIONING AS DESIGNED AND FREE OF ACCUMULATED SEDIMENT AND DEBRIS DURING FINAL PROJECT INSPECTION AND APPROVAL.
- NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED FROM THE SITE.
- OFF-SITE VEHICLE TRACKING OF SEDIMENT AND THE GENERATION OF DUST SHALL BE MINIMIZED DURING CONSTRUCTION.
- THE PLAN SHALL ENSURE AND DEMONSTRATE COMPLIANCE WITH APPLICABLE STATE OR LOCAL WASTE DISPOSAL AND TEMPORARY AND PERMANENT SANITARY SEWER REGULATIONS.
- NO LIQUID CONCRETE WASTE SHALL BE DISCHARGED FROM THE SITE.
- NO CONTAMINATES FROM FUEL STORAGE AREAS, HAZARDOUS WASTE, AND TRUCK WASH AREAS SHALL BE DISCHARGED FROM THE SITE.
- ADEQUATE HOUSEKEEPING MEASURES SHALL BE IMPLEMENTED SO THAT RANDOM TRASH, MATERIALS, AND TOOLS ARE NOT LEFT LAYING AROUND THE SITE DURING CONSTRUCTION.

### FLOOD ZONE INFORMATION:

THIS PROPERTY IS LOCATED WITHIN FLOOD ZONE "X". FLOOD ZONE "X" IS DEFINED AS AREAS OF MINIMAL FLOOD HAZARD AS DETERMINED BY THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP FOR EL PASO COUNTY, COLORADO. COMMUNITY PANEL NUMBER: 08041C0553G. EFFECTIVE DATE: DECEMBER 7, 2018.

### HAZARDOUS MATERIAL MANAGEMENT & SPILL REPORTING

- ANY HAZARDOUS OR POTENTIALLY HAZARDOUS MATERIAL THAT IS BROUGHT ONTO THE CONSTRUCTION SITE SHALL BE HANDLED PROPERLY TO REDUCE THE POTENTIAL FOR STORMWATER POLLUTION. ALL MATERIALS USED ON THIS CONSTRUCTION SITE SHALL BE PROPERLY STORED, HANDLED, DISPENSED AND DISPOSED OF FOLLOWING ALL APPLICABLE LABEL DIRECTIONS. FLAMMABLE AND COMBUSTIBLE LIQUIDS SHALL BE STORED AND HANDLED ACCORDING TO APPLICABLE REGULATIONS, AND, AT A MINIMUM, ACCORDING TO 29 CFR 1926.152. ONLY APPROVED CONTAINERS AND PORTABLE TANKS SHALL BE USED FOR STORAGE AND HANDLING OF FLAMMABLE AND COMBUSTIBLE LIQUIDS.
- MATERIAL SAFETY DATA SHEETS (MSDS) INFORMATION SHALL BE KEPT ON SITE FOR ANY AND ALL APPLICABLE MATERIALS. HOWEVER, MSDS MAY ALSO BE ACCESSED VIA TELEPHONE OR OTHER ELECTRONIC MEANS OR APPARATUS.
- IN THE EVENT OF AN ACCIDENTAL SPILL, IMMEDIATE ACTION SHALL BE TAKEN BY THE GC TO CONTAIN AND REMOVE THE SPILLED MATERIAL. THE SPILL SHALL BE REPORTED TO THE APPROPRIATE AGENCIES IN THE REQUIRED TIME FRAMES, AS REQUIRED UNDER THE PROVISIONS OF THE CLEAN WATER ACT, ANY SPILL OR DISCHARGE ENTERING WATERS OF THE UNITED STATES SHALL BE PROPERLY REPORTED.
- ALL HAZARDOUS MATERIALS, INCLUDING CONTAMINATED SOIL AND LIQUID CONCRETE WASTE, SHALL BE DISPOSED OF BY THE CONTRACTOR IN THE MANNER SPECIFIED BY FEDERAL, STATE AND LOCAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS.
- THE GC SHALL PREPARE A WRITTEN RECORD OF ANY SPILL AND ASSOCIATED CLEAN-UP ACTIVITIES OF PETROLEUM PRODUCTS OR HAZARDOUS MATERIALS IN EXCESS OF ONE GALLON OR REPORTABLE QUANTITIES, WHICHEVER IS LESS, ON THE DAY OF THE SPILL. THE GC SHALL PROVIDE NOTICE TO OWNER, VIA THE ONLINE CRITICAL INCIDENT REPORT, IMMEDIATELY UPON IDENTIFICATION OF ANY SPILL. SPILL REPORT FORMS ARE AVAILABLE IN THE ONLINE SWPPP REPORTING SYSTEM PROVIDED BY THE OWNER. COPIES OF SPILL CRITICAL INCIDENT REPORTS SHALL BE PRINTED AND MAINTAINED IN THE JOB SITE BINDER.
- ANY SPILLS OF PETROLEUM PRODUCTS OR HAZARDOUS MATERIALS IN EXCESS OF REPORTABLE QUANTITIES AS DEFINED BY EPA OR THE STATE OR LOCAL AGENCY REGULATIONS, SHALL BE IMMEDIATELY REPORTED TO THE EPA NATIONAL RESPONSE CENTER (1-800-424-8802) AND COLORADO DIVISION OFFICE OF EMERGENCY MANAGEMENT (1-303-779-8855) IMMEDIATELY.
- THE STATE REPORTABLE QUANTITY FOR PETROLEUM PRODUCTS IS: ONE BARREL OR 25 GALLONS.
- THE REPORTABLE QUANTITY FOR HAZARDOUS MATERIALS CAN BE FOUND IN 40 CFR 302 OR THE CODE OF FEDERAL REGULATIONS WEBSITE [HTTP://WWW.ACCESS/GPO.GOV/CGI-BIN/CFRASMBLE.CGI?TITLE=200440](http://www.access.gpo.gov/cgi-bin/cfrasmble.cgi?title=200440).
- TO MINIMIZE THE POTENTIAL FOR A SPILL OF PETROLEUM PRODUCT OR HAZARDOUS MATERIALS TO COME IN CONTACT WITH STORMWATER, THE FOLLOWING STEPS SHALL BE IMPLEMENTED:
- ALL MATERIALS WITH HAZARDOUS PROPERTIES, SUCH AS PESTICIDES, PETROLEUM PRODUCTS, FERTILIZERS, SOAPS, DETERGENTS, CONSTRUCTION CHEMICALS, ACIDS, BASES, PAINTS, PAINT SOLVENTS, ADDITIVES FOR SOIL STABILIZATION, CONCRETE, CURING COMPOUNDS AND ADDITIVES, ETC., SHALL BE STORED IN A SECURE LOCATION, UNDER COVER AND IN APPROPRIATE, TIGHTLY SEALED CONTAINERS WHEN NOT IN USE.
  - THE MINIMUM PRACTICAL QUANTITY OF ALL SUCH MATERIALS SHALL BE KEPT ON THE JOB SITE AND SCHEDULED FOR DELIVERY AS CLOSE TO TIME OF USE AS PRACTICAL.
  - A SPILL CONTROL AND CONTAINMENT KIT (CONTAINING FOR EXAMPLE, ABSORBENT MATERIAL SUCH AS KITTY LITTER OR SAWDUST, ACID, BASE, NEUTRALIZING AGENT, BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, PLASTIC AND METAL TRASH CONTAINERS, ETC.) SHALL BE PROVIDED AT THE CONSTRUCTION SITE AND ITS LOCATION(S) SHALL BE IDENTIFIED WITH LEGIBLE SIGNAGE AND SHOWN ON SITE MAPS.
    - THE SPILL CONTROL AND CONTAINMENT KIT SUPPLIES SHALL BE OF SUFFICIENT QUANTITIES AND APPROPRIATE CONTENT TO CONTAIN A SPILL FROM THE LARGEST ANTICIPATED PIECE OF EQUIPMENT AND FROM THE LARGEST ANTICIPATED QUANTITIES OF PRODUCTS STORED ON THE SITE AT ANY GIVEN TIME.
    - CONTENTS SHALL BE INSPECTED DAILY DURING THE DAILY STORMWATER INSPECTION.
  - ALL PRODUCTS SHALL BE STORED IN AND USED FROM THE ORIGINAL CONTAINER WITH THE ORIGINAL PRODUCT LABEL. CONTAINERS MUST BE STORED IN A MANNER TO PROTECT THEM FROM THE ELEMENTS AND INCIDENTAL DAMAGE.
  - ALL PRODUCTS SHALL BE USED IN STRICT COMPLIANCE WITH INSTRUCTIONS ON THE PRODUCT LABEL.
  - THE DISPOSAL OF EXCESS OR USED PRODUCTS SHALL BE IN STRICT COMPLIANCE WITH INSTRUCTIONS ON THE PRODUCT LABEL AND REGULATIONS.



DEVELOPER/OWNER:  
WAL-MART REAL ESTATE BUSINESS TRUST  
702 SW 8TH STREET, MAIL STOP 0505  
BENTONVILLE, AR 72716-0505  
479-204-3314

SITE OPERATOR/GENERAL CONTRACTOR:

SUPERINTENDENT:

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

FUEL STATION #4335  
11550 MERIDIAN MARKET VIEW  
FALCON, CO



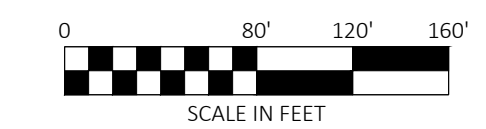
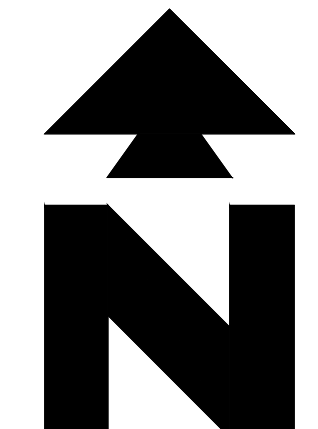
PROFESSIONAL OF RECORD	TAB
PROJECT MANAGER	JPD
DESIGNER	JSC
CEI PROJECT NUMBER	32639
DATE	5/31/2023
REVISION	REV-0

SWPPP NOTES  
SHEET TITLE  
SHEET NUMBER

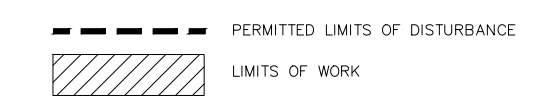
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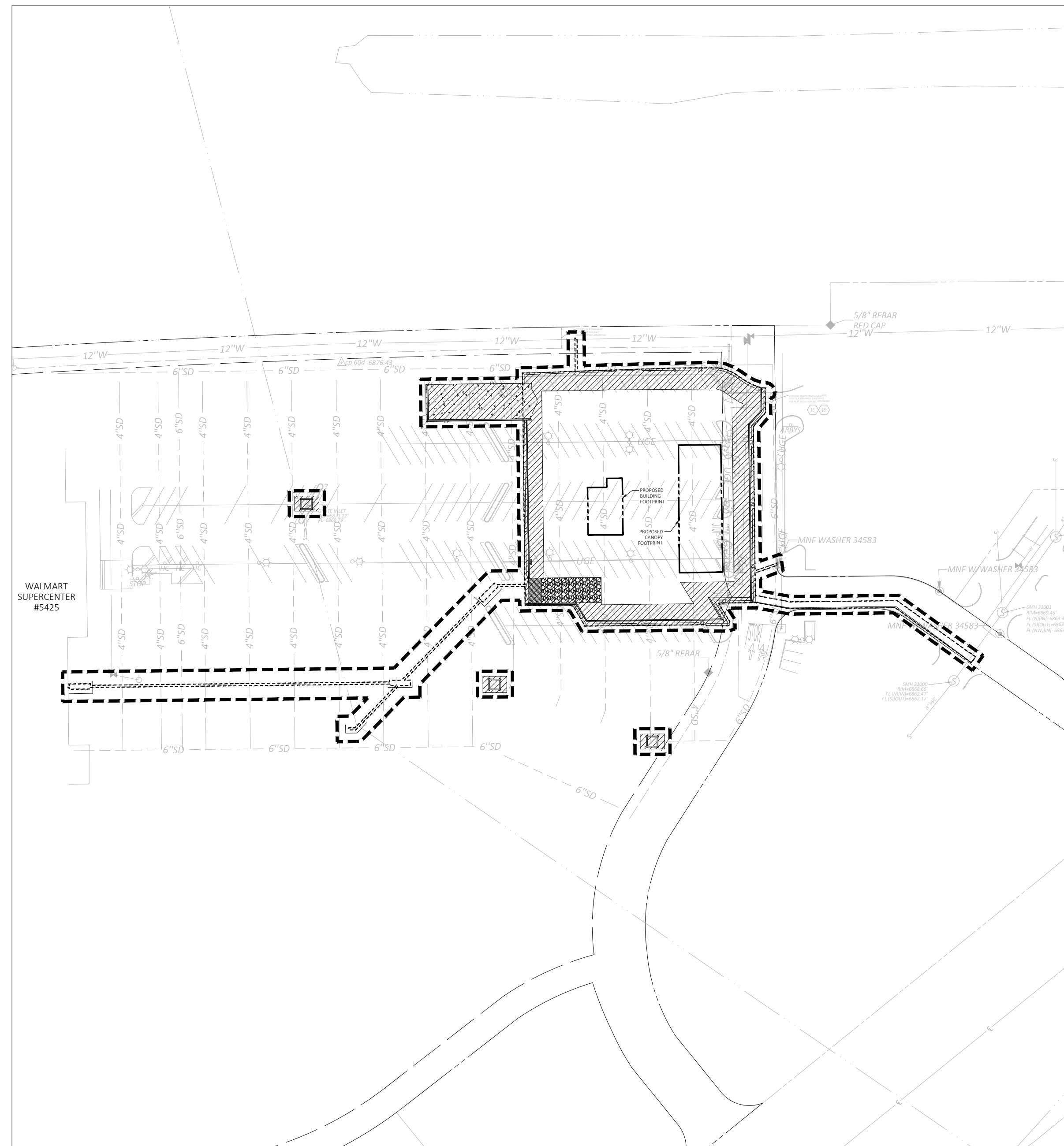
Know what's below.  
Call before you dig.



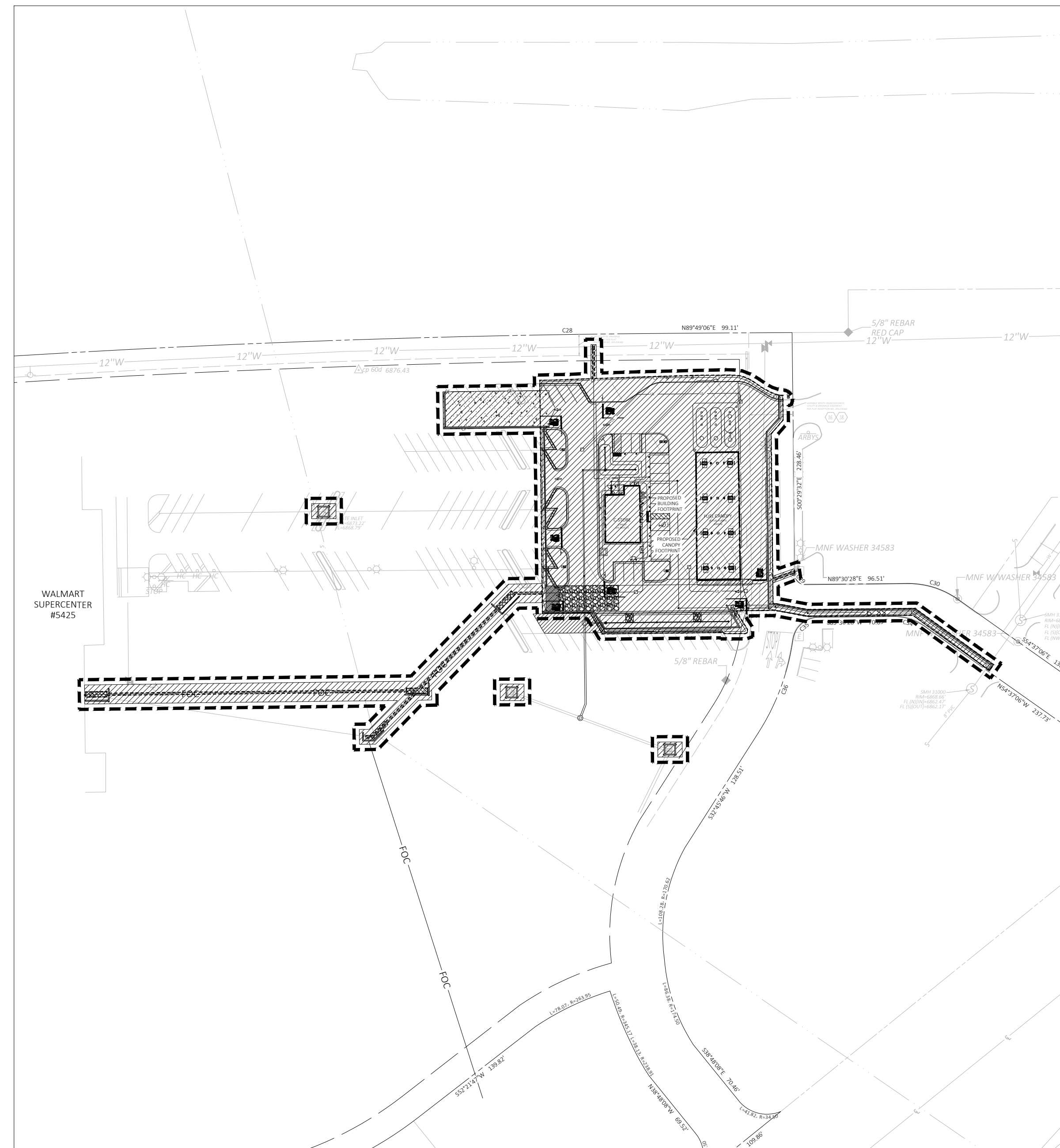
LIMITS OF DISTURBANCE



CEI ENGINEERING ASSOCIATES, INC.  
710 W PINEDALE AVE  
FRESNO, CA 93711  
PHONE: (559) 447-3119  
FAX: (559) 447-3129



PHASE 1 LIMITS OF WORK  
N.T.S.



PHASE 2 LIMITS OF WORK  
N.T.S.

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.

PHASE 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.

- 1. STAKE/FLAG THE LIMITS OF DISTURBANCE (LOD) (WHERE STAKING IS NOT POSSIBLE/PRACTICAL, THE LOD MUST BE CONSPICUOUSLY, AND PROMINENTLY, MARKED TO DENOTE THE BOUNDARY). LOD MUST REMAIN CONSPICUOUSLY MARKED THROUGHOUT THE ENTIRE CONSTRUCTION PROJECT.
- 2. INSTALL BIG RED SECTIONS 1-21
- 3. INSTALL INLET PROTECTIONS AT EXISTING INLETS AS SHOWN ON SITE MAPS.
- 4. INSTALL CONSTRUCTION EXIT AS SHOWN ON SITE MAPS.
- 5. INSTALL CONSTRUCTION FENCING AS SHOWN ON SITE MAPS.
- 6. PREPARE TEMPORARY PARKING AND STORAGE AREA AND SET THE PROJECT OFFICE TRAILER.

7. HALT ALL ACTIVITIES

CONTACT THE CIVIL ENGINEERING CONSULTANT (CEC) TO PERFORM INSPECTION AND CERTIFICATION OF BEST MANAGEMENT PRACTICES (BMPs). BMP CERTIFICATION MUST OCCUR BEFORE STORMWATER PRE-CONSTRUCTION MEETING. (THIS SHOULD BE SCHEDULED IN ADVANCE, IN ANTICIPATION OF THE EXPECTED DATE WHEN THE ABOVE SEQUENCE ITEMS WILL BE COMPLETED.)

ALL EXCEPTIONS NOTED ON THE BMP CERTIFICATION FORM MUST BE ADDED AS DEFICIENCIES WITHIN THE BMP CERTIFICATION FORM AND RESOLVED WITHIN 24-HOURS. BMPs MUST NOT BE CERTIFIED IF ONE OR MORE OF THE EXCEPTIONS WILL NOT BE RESOLVED WITHIN 24-HOURS OF THE BMP CERTIFICATION BY THE CEC.

IF THE CEC IS UNABLE TO CERTIFY THAT SITE CONDITIONS ARE PER PLANS AND SPECIFICATIONS, THE CERTIFICATION OF BMPs MUST BE RESCHEDULED. THE STORMWATER PRE-CONSTRUCTION MEETING MAY ONLY OCCUR AFTER BMPs CAN BE CERTIFIED.

GENERAL CONTRACTOR (GC) SHALL SCHEDULE AND CONDUCT THE STORMWATER PRE-CONSTRUCTION MEETING WITH THE CEC, OWNER'S CONSTRUCTION MANAGER (CM), AGENCY(IES) AND SUBCONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.

DAILY STORMWATER INSPECTION REPORTS IN THE ONLINE SWPPP REPORTING SYSTEM PROVIDED BY THE OWNER MUST START ON THE NEXT BUSINESS DAY AFTER THE SITE BMPs & PRECONSTRUCTION MEETING CERTIFICATION IS SIGNED/CERTIFIED BY THE CEC.

MINIMIZATION OF DISTURBED AREAS:

- 1. CONTRACTOR SHALL MANAGE CONSTRUCTION ACTIVITIES TO REDUCE EROSION AND RETAIN SEDIMENT AND OTHER POLLUTANTS IN THE SOIL AT THE CONSTRUCTION SITE.
- 2. CONTRACTOR SHALL MINIMIZE THE TIME BARE SOIL IS EXPOSED.
- 3. CONTRACTOR SHALL MINIMIZE SITE DISTURBANCE BY MINIMIZING THE EXTENT OF GRADING AND CLEARING TO EFFECTIVELY REDUCE SEDIMENT YIELD.

NOTE TO GC: OWNER HAS AUTHORITY AT ANY TIME TO LIMIT SURFACE AREA OF ERODIBLE EARTH MATERIAL EXPOSED BY CLEARING AND GRUBBING, EXCAVATION, BORROW AND EMBANKMENT OPERATIONS AND TO DIRECT THE GC TO PROVIDE IMMEDIATE PERMANENT OR TEMPORARY POLLUTION CONTROL MEASURES.

- PHASE 2
- 1. BEGIN DEMOLITION OF EXISTING SITE FEATURES AS SHOWN ON THE SITE MAPS (PHASE DEMOLITION TO THE MAXIMUM EXTENT PRACTICAL TO MINIMIZE THE AMOUNT OF AREA DISTURBED AT ANY POINT IN TIME).
- 2. BEGIN GRADING THE SITE.
- 3. START CONSTRUCTION OF BUILDING PAD AND STRUCTURES.
- 4. AS GRADING PROGRESSES, INSTALL BIG RED SECTIONS 24 - 36 AT ALL NEWLY CONSTRUCTED ENTRANCES, INCLUDING REMOVING ANY BMP NECESSARY TO CONSTRUCT ENTRANCE.
- 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.
- 6. INSTALL UTILITIES, UNDERDRAINS, STORM SEWERS, CURBS AND GUTTERS
- 7. IMMEDIATELY PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE.
- 8. INSTALL INLET PROTECTION AT ALL STORM SEWER STRUCTURES AS EACH INLET STRUCTURE IS INSTALLED.
- 9. REMOVE CONSTRUCTION EXIT PRIOR TO PAVING OPERATIONS.
- 10. REMOVE AND REPLACE BIG REDS AT THE END OF EACH WORKDAY AS PAVING OPERATION.
- 11. PREPARE SITE FOR PAVING.
- 12. PAVE SITE.
- 13. INSTALL APPROPRIATE INLET PROTECTION DEVICES FOR PAVED AREAS AS WORK PROGRESSES, PER BMP DETAILS.
- 14. COMPLETE GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL DISTURBED AREAS.
- 15. OBTAIN CONCURRENCE FROM THE OWNER CONSTRUCTION MANAGER (CM) THAT THE SITE HAS BEEN FULLY STABILIZED AND ALL CONSTRUCTION HAS BEEN COMPLETED, THEN:
  - A. REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs),
  - B. STABILIZE ANY AREAS DISTURBED BY THE REMOVAL OF TEMPORARY BMPs, AND
  - C. ASK THE CM TO CONTACT THE CEC TO COMPLETE THE CEC PRE-NOT SITE INSPECTION AND REPORT (ONLY CM MAY DO THIS).
- 16. CONTINUE DAILY INSPECTIONS AND REPORTS UNTIL THE CM FINAL DAILY INSPECTION REPORT, MARKED 'READY TO TERMINATE PERMIT', IS SIGNED BY THE CONSTRUCTION MANAGER AND SUBMITTED VIA THE ONLINE SWPPP REPORTING SYSTEM PROVIDED BY THE OWNER.

NOTE: THE GENERAL CONTRACTOR MAY COMPLETE CONSTRUCTION-RELATED ACTIVITIES CONCURRENTLY, ONLY IF ALL PRECEDING BMPs AND STABILIZATION ACTIVITIES HAVE BEEN COMPLETELY INSTALLED. BMP-RELATED STEPS IN THE ABOVE SEQUENCE ARE BOLD FOR CLARITY. THE CEC MUST APPROVE, IN WRITING, ANY CHANGES IN THE ABOVE SWPPP IMPLEMENTATION SEQUENCE, BEFORE THEIR IMPLEMENTATION BEGINS.

THE ESTIMATED DATES OF IMPLEMENTATION OF POLLUTION CONTROL MEASURES SHALL BE DOCUMENTED BY THE CONTRACTOR ON THE SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE ON SHEET C9.4.

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702 SW 8TH STREET, MAIL STOP 0505  
BENTONVILLE, AR 72716-0505  
479-204-3314

SITE OPERATOR/GENERAL CONTRACTOR:

SUPERINTENDENT:

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

FUEL STATION #4335  
11550 MERIDIAN MARKET VIEW  
FALCON, CO



PROFESSIONAL OF RECORD	TAB
PROJECT MANAGER	JPD
DESIGNER	JSC
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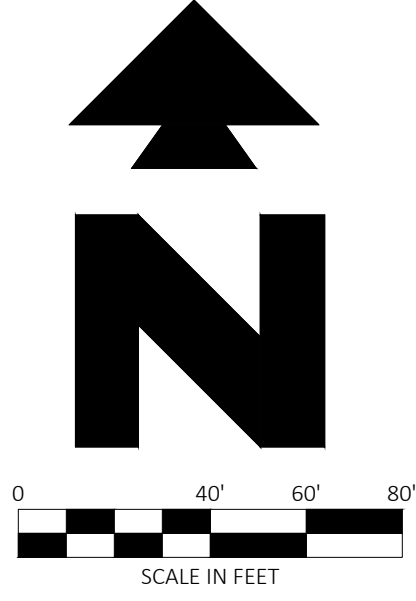
SWPPP  
IMPLEMENTATION  
SEQUENCE

SHEET TITLE

SHEET NUMBER



Know what's below.  
Call before you dig.



**SITE BENCHMARK**

BENCHMARK #1  
N: 7248072.50'  
E: 325299.81' (GROUND)  
ELEV: 6078.81'

BENCHMARK #2  
N: 7248063.66'  
E: 3253046.96'  
ELEV: 6860.96'

MAGNAIL WITH MASTER CEI SET SOUTH OF SUBJECT AREA, 19.96'  
SOUTHWEST OF A 5/8" REBAR AND 57.68' SOUTHWEST OF A  
DECIDUOUS TREE.

- SITE FEATURES**
- PROPOSED LIMITS OF DISTURBANCE (SHOWN 5' OFFSET FOR CLARITY)
  - DIRECTION OF OVERLAND FLOW
  - LIMITS OF DRAINAGE SUB-BASIN
  - SOIL BOUNDARY
  - PROPOSED BUILDING FOOTPRINT
  - BMP CALLOUTS (IF APPLICABLE)
  - LIMITS OF EARTH MOVING ACTIVITIES (1.24± ACRES)
- EROSION DETAILS**
- BR BIG RED (OR ENGINEER APPROVED EQUAL)
  - CE CONSTRUCTION ENTRANCE
  - CF CONSTRUCTION FENCE
  - IPS INLET PROTECTION FILTER SACK
  - SIS SWPPP INFORMATION SIGN
  - TCW TEMPORARY CONCRETE WASHOUT (NOT SHOWN ON PLAN - G.C. TO DETERMINE LOCATION SPECIFIC TO EACH PHASE OF CONSTRUCTION) (DISCHARGE OF EXCESS OR WASTE CONCRETE AND/OR WASH WATER FROM CONCRETE TRUCKS WILL BE ALLOWED ON THE CONSTRUCTION SITE, BUT ONLY IN APPROVED ABOVEGROUND PORTABLE CONCRETE WASHOUT CONTAINERS.)
- EROSION NOTES**
- CW CEMENT AND CONCRETE WASHOUT (NOT SHOWN ON PLAN GC TO DETERMINE LOCATION SPECIFIC TO EACH PHASE OF CONSTRUCTION)
  - DC DUST CONTROL (ENTIRE SITE - NOT SHOWN ON PLAN)
  - DW DEWATERING (ENTIRE SITE - NOT SHOWN ON PLAN) ON-SITE DEWATERING FROM ALL EXCAVATIONS MUST FOLLOW THESE REQUIREMENTS.
  - EMA EQUIPMENT AND VEHICLE CLEANING AND MAINTENANCE AREA (NOT SHOWN ON PLAN - G.C. TO DETERMINE LOCATION SPECIFIC TO EACH PHASE OF CONSTRUCTION)
  - FPSU FUEL AND PETROLEUM STORAGE AND USE (NOT SHOWN ON PLAN - G.C. TO DETERMINE LOCATION SPECIFIC TO EACH PHASE OF CONSTRUCTION)
  - ID IRRIGATION OR DISPERSION (ENTIRE SITE - NOT SHOWN ON PLAN)
  - IP INLET PROTECTION
  - MA MASONS AREA (NOT SHOWN ON PLAN - G.C. TO DETERMINE LOCATION SPECIFIC TO EACH PHASE OF CONSTRUCTION)
  - MLS MATERIAL LAYDOWN AND STORAGE AREA
  - OPC OTHER POLLUTANT CONTROLS (ENTIRE SITE - NOT SHOWN ON PLAN)
  - PSW PAINT AND STUCCO WASHOUT (NOT SHOWN ON PLAN - G.C. TO DETERMINE LOCATION SPECIFIC TO EACH PHASE OF CONSTRUCTION)
  - SAF SANITARY FACILITIES (NOT SHOWN ON PLAN - G.C. TO DETERMINE LOCATION SPECIFIC TO EACH PHASE OF CONSTRUCTION)
  - SP STOCKPILES (NOT SHOWN ON PLAN - G.C. TO DETERMINE LOCATION SPECIFIC TO EACH PHASE OF CONSTRUCTION)
  - SVR SEEDING/VEGETATION REQUIREMENTS (ENTIRE SITE - NOT SHOWN ON PLAN)
  - SWD SOLID WASTE DISPOSAL (NOT SHOWN ON PLAN - G.C. TO DETERMINE LOCATION SPECIFIC TO EACH PHASE OF CONSTRUCTION)
  - TCW TEMPORARY CONCRETE WASHOUT (NOT SHOWN ON PLAN - G.C. TO DETERMINE LOCATION SPECIFIC TO EACH PHASE OF CONSTRUCTION) (DISCHARGE OF EXCESS OR WASTE CONCRETE AND/OR WASH WATER FROM CONCRETE TRUCKS WILL BE ALLOWED ON THE CONSTRUCTION SITE, BUT ONLY IN APPROVED ABOVEGROUND PORTABLE CONCRETE WASHOUT CONTAINERS.)
  - TP TEMPORARY PARKING (NOT SHOWN ON PLAN) - G.C. TO DETERMINE LOCATION AND COORDINATE WITH STORE MANAGER OR OPERATOR.
  - TS TEMPORARY SEEDING AND STABILIZATION (ENTIRE SITE - NOT SHOWN ON PLAN)

- NOTES TO CONTRACTOR:**
- PRIOR TO CONSTRUCTION, GC MUST CLEARLY DELINEATE AND MARK OFF AREAS IDENTIFIED, IN THE SWPPP OR IN THE FIELD, TO BE PROTECTED (SUCH AS HISTORIC PROPERTIES, NATURAL BUFFERS, TREES, HABITATS OF ENDANGERED/THREATENED SPECIES, ETC.).
  - WHERE IN CLOSE PROXIMITY, LIMIT OF DISTURBANCE (LOD) LINE TO FOLLOW PROPERTY LINE. LOD LINE SHOWN OUTSIDE PROPERTY LINE AND CONSERVATION EASEMENT FOR GRAPHIC CLARITY ONLY.
  - CONTRACTOR TO ENSURE ALL CONSTRUCTION TRAFFIC UTILIZES THE CONSTRUCTION EXIT(S) PRIOR TO LEAVING CONSTRUCTION SITE.
  - TEMPORARY PARKING AND STORAGE TO REMAIN THROUGHOUT ENTIRE PROJECT.
  - CONTRACTOR TO CLEAN OUT ALL EXISTING INLETS, MANHOLES, PIPES, AND CATCH BASINS PRIOR TO REMOVING ANY EROSION CONTROL BMPs.
  - FOR EXISTING LEGEND, PLEASE REFER TO SITE DEVELOPMENT PLANS.
  - NO LOADING/UNLOADING OF MATERIALS AND/OR EQUIPMENT AND PARKING IS PERMITTED AT ANY TIME.
  - CONTRACTOR MUST ADHERE TO ANY HOURS OF WORK, NOISE LEVEL, AND OTHER CONSTRUCTION RELATED RESTRICTIONS IN ACCORDANCE WITH THE CITY OF FALCON REGULATIONS.
  - CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FROM CEC, WALMART CONSTRUCTION MANAGER, AND THE CITY OF FALCON PRIOR TO ANY WORK WITHIN PUBLIC RIGHT-OF-WAY. CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE STANDARDS OF THE CITY OF FALCON PRIOR TO WORK.
  - CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FROM CEC, WALMART CONSTRUCTION MANAGER, AND WALMART STORE MANAGER PRIOR TO ANY WORK THAT MAY DISRUPT THE SURROUNDING BUSINESS OPERATIONS.
  - CONTRACTOR SHALL PHASE GRADING/DISTURBANCE ACTIVITIES AS MUCH AS POSSIBLE TO MINIMIZE RISK OF SEDIMENT RELEASES.

**SWPPP UPDATES AND AMENDMENTS**

THE GC MUST UPDATE THE SWPPP, INCLUDING THE JOBSITE BINDER AND SITE MAPS, TO REFLECT THE PROGRESS OF CONSTRUCTION ACTIVITIES AND GENERAL CHANGES TO THE PROJECT SITE. UPDATES SHALL BE MADE DAILY TO TRACK PROGRESS WHEN ANY OF THE FOLLOWING ACTIVITIES OCCUR: BMP INSTALLATION, MODIFICATION OR REMOVAL, CONSTRUCTION ACTIVITIES (E.G., PAVING, STORM SEWER INSTALLATION, FOOTING INSTALLATION, ETC.), CLEARING, GRUBBING OR GRADING, OR TEMPORARY OR PERMANENT STABILIZATION.

**IMPORTANT:** THE GENERAL CONTRACTOR MUST SUBMIT A REQUEST FOR INFORMATION (RFI) TO THE CEC AND OBTAIN WRITTEN CEC APPROVAL BEFORE DOING ANY OF THE FOLLOWING:

- MODIFYING EROSION OR SEDIMENT CONTROL BMPs (SUBSTITUTIONS ARE TYPICALLY ONLY APPROVED IF SPECIFIED MATERIALS ARE NOT AVAILABLE OR THERE IS A VALID REASON THE SPECIFIED BMP WILL NOT WORK)
- ADDING/DELETING EROSION OR SEDIMENT CONTROL BMPs;
- MODIFYING THE SWPPP IMPLEMENTATION SEQUENCE; OR
- PERFORMING ANY ACTIONS OR IN ANY MANNER THAT IS CONTRARY TO THE SWPPP.

THE CONTRACTOR MAY MODIFY OR ADD ADDITIONAL BMPs, WITHOUT CEC APPROVAL, IN AN EMERGENCY SITUATION TO PREVENT SEDIMENT DISCHARGE OR PROTECT WATER QUALITY; HOWEVER, GC MUST NOTIFY THE CEC AS SOON AS PRACTICAL AS TO THEIR ACTIONS TO DISCUSS THE NEED FOR ADDITIONAL OR SUPPLEMENTAL MEASURES AND TO OBTAIN THE REQUIRED APPROVALS. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE TO ENSURE COMPLIANCE WITH THE PERMIT AND PROTECTION OF DOWNSTREAM WATER QUALITY.

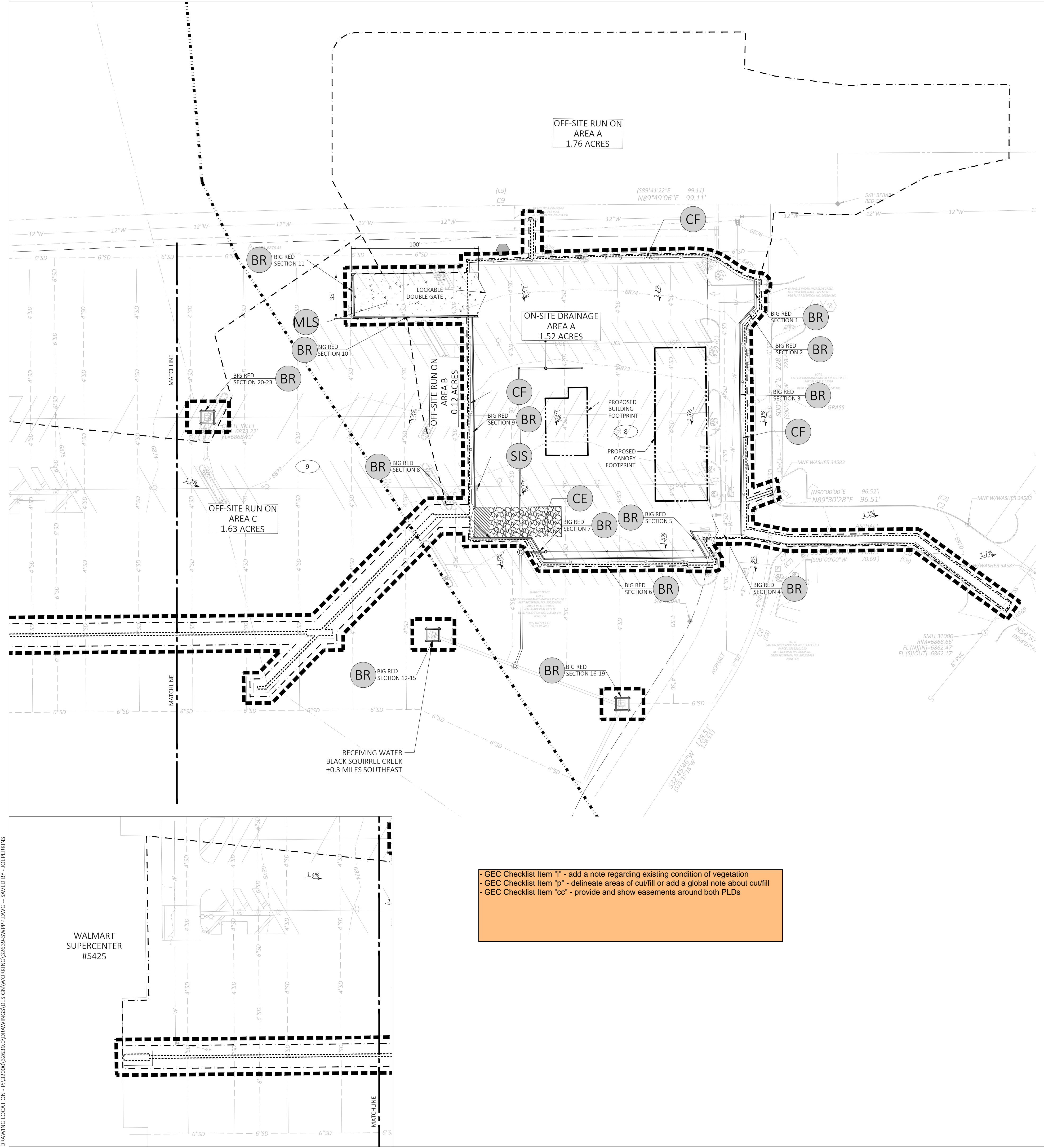
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DEVELOPER/OWNER:  
WAL-MART REAL ESTATE BUSINESS TRUST  
702 SW 8TH STREET, MAIL STOP 0505  
BENTONVILLE, AR 72716-0505  
479-204-3314

SITE OPERATOR/GENERAL CONTRACTOR:

SUPERINTENDENT:

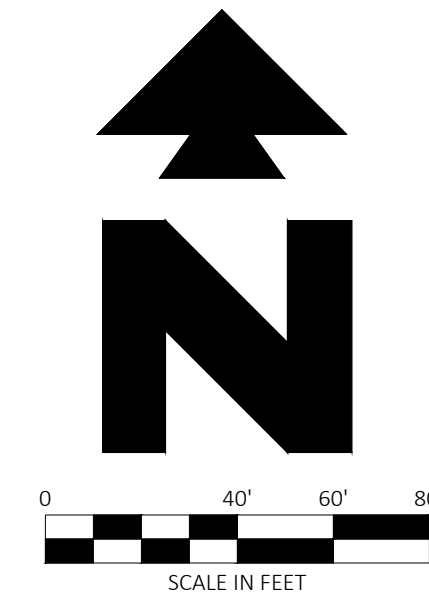
**IMPORTANT:** GC MUST SIGN ALL PLAN SHEETS AND ANY NEW PLAN SHEETS ISSUED BY THE CEC.



- GEC Checklist Item "i" - add a note regarding existing condition of vegetation  
- GEC Checklist Item "p" - delineate areas of cut/fill or add a global note about cut/fill  
- GEC Checklist Item "cc" - provide and show easements around both PLDs



Know what's below.  
Call before you dig.



SITE BENCHMARK	
BENCHMARK #1	N 146437.22' P E 322099.41' (GROUND) ELEV: 6876.81' 5/8" REBAR WITH CAP CEI SET ON THE NORTH SIDE OF SUBJECT AREA.
BENCHMARK #2	N 146400.66' P E 323304.66' P ELEV: 6869.96' MAGNAIL WITH MASTER SET SOUTH OF SUBJECT AREA, 19.96' SOUTHWEST OF A 5/8" REBAR AND 57.68' SOUTHWEST OF A DENDRODUS TREE.

**SITE FEATURES**

- PROPOSED LIMITS OF DISTURBANCE (SHOWN 5' OFFSET FOR CLARITY)
- DIRECTION OF OVERLAND FLOW
- LIMITS OF DRAINAGE SUB-BASIN
- SOIL BOUNDARY
- PROPOSED BUILDING FOOTPRINT
- SECTION #  
SIZE (IF APPLICABLE) BMP CALLOUTS
- LIMITS OF EARTH MOVING ACTIVITIES (1.24+ ACRES)

**EROSION DETAILS**

- BR BIG RED (OR ENGINEER APPROVED EQUAL)
- CE CONSTRUCTION ENTRANCE
- CF CONSTRUCTION FENCE
- SP RIP-RAP PAD FOR SLOPE PROTECTION
- IPS INLET PROTECTION FILTER SACK
- SIS SWPPP INFORMATION SIGN
- TCW TEMPORARY CONCRETE WASHOUT (NOT SHOWN ON PLAN - G.C. TO DETERMINE LOCATION SPECIFIC TO EACH PHASE OF CONSTRUCTION.) (DISCHARGE OF EXCESS OR WASTE CONCRETE AND/OR WASH WATER FROM CONCRETE TRUCKS WILL BE ALLOWED ON THE CONSTRUCTION SITE, BUT ONLY IN APPROVED ABOVEGROUND PORTABLE CONCRETE WASHOUT CONTAINERS.)

**EROSION NOTES**

- CW CEMENT AND CONCRETE WASHOUT (NOT SHOWN ON PLAN G.C. TO DETERMINE LOCATION SPECIFIC TO EACH PHASE OF CONSTRUCTION)
- DC DUST CONTROL (ENTIRE SITE - NOT SHOWN ON PLAN)
- DW DEWATERING (ENTIRE SITE - NOT SHOWN ON PLAN) ON-SITE DEWATERING - FROM ALL EXCAVATIONS MUST FOLLOW THESE REQUIREMENTS.
- EMA EQUIPMENT AND VEHICLE CLEANING AND MAINTENANCE AREA (NOT SHOWN ON PLAN - G.C. TO DETERMINE LOCATION SPECIFIC TO EACH PHASE OF CONSTRUCTION)
- FPSU FUEL AND PETROLEUM STORAGE AND USE (NOT SHOWN ON PLAN - G.C. TO DETERMINE LOCATION SPECIFIC TO EACH PHASE OF CONSTRUCTION)
- HWD HAZARDOUS WASTE DISPOSAL (NOT SHOWN ON PLAN - G.C. TO DETERMINE LOCATION SPECIFIC TO EACH PHASE OF CONSTRUCTION)
- ID IRRIGATION OR DISPERSION (ENTIRE SITE - NOT SHOWN ON PLAN)
- IP INLET PROTECTION
- MA MASONS AREA (NOT SHOWN ON PLAN - G.C. TO DETERMINE LOCATION SPECIFIC TO EACH PHASE OF CONSTRUCTION)
- MLS MATERIAL LAYDOWN AND STORAGE AREA
- OPC OTHER POLLUTANT CONTROLS (ENTIRE SITE - NOT SHOWN ON PLAN)
- PS PERMANENT SEEDING, SOD, MULCHING, OR ROCK - TYP. (REF LANDSCAPING PLAN)
- PSW PAINT AND STUCCO WASHOUT (NOT SHOWN ON PLAN - G.C. TO DETERMINE LOCATION SPECIFIC TO EACH PHASE OF CONSTRUCTION)
- SAF SANITARY FACILITIES (NOT SHOWN ON PLAN - G.C. TO DETERMINE LOCATION SPECIFIC TO EACH PHASE OF CONSTRUCTION)
- SP STOCKPILES (NOT SHOWN ON PLAN - G.C. TO DETERMINE LOCATION SPECIFIC TO EACH PHASE OF CONSTRUCTION)
- SVR SEEDING/VEGETATION REQUIREMENTS (ENTIRE SITE - NOT SHOWN ON PLAN)
- SWD SOLID WASTE DISPOSAL (NOT SHOWN ON PLAN - G.C. TO DETERMINE LOCATION SPECIFIC TO EACH PHASE OF CONSTRUCTION)
- TP TEMPORARY PARKING

**NOTES TO CONTRACTOR:**

- PRIOR TO CONSTRUCTION, GC MUST CLEARLY DELINEATE AND MARK OFF AREAS IDENTIFIED, IN THE SWPPP OR IN THE FIELD, TO BE PROTECTED (SUCH AS HISTORIC PROPERTIES, NATURAL BUFFERS, TREES, HABITATS OF ENDANGERED/THREATENED SPECIES, ETC.).
- WHERE IN CLOSE PROXIMITY, LIMIT OF DISTURBANCE (LOD) LINE TO FOLLOW PROPERTY LINE. LOD LINE SHOWN OUTSIDE PROPERTY LINE AND CONSERVATION EASEMENT FOR GRAPHIC CLARITY ONLY.
- CONTRACTOR TO ENSURE ALL CONSTRUCTION TRAFFIC UTILIZES THE CONSTRUCTION EXIT(S) PRIOR TO LEAVING CONSTRUCTION SITE.
- TEMPORARY PARKING AND STORAGE TO REMAIN THROUGHOUT ENTIRE PROJECT.
- CONTRACTOR TO CLEAN OUT ALL EXISTING INLETS, MANHOLES, PIPES, AND CATCH BASINS PRIOR TO REMOVING ANY EROSION CONTROL BMPs.
- FOR EXISTING LEGEND, PLEASE REFER TO SITE DEVELOPMENT PLANS.
- NO LOADING/UNLOADING OF MATERIALS AND/OR EQUIPMENT.
- CONTRACTOR MUST ADHERE TO ANY HOURS OF WORK, NOISE LEVEL, AND OTHER CONSTRUCTION RELATED RESTRICTIONS IN ACCORDANCE WITH THE CITY OF FALCON REGULATIONS.
- CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FROM CEC, WALMART CONSTRUCTION MANAGER, AND THE CITY OF FALCON PRIOR TO ANY WORK WITHIN PUBLIC RIGHT-OF-WAY. CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE STANDARDS OF THE CITY OF FALCON PRIOR TO WORK.
- CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FROM CEC, WALMART CONSTRUCTION MANAGER, AND WALMART STORE MANAGER PRIOR TO ANY WORK THAT MAY DISRUPT THE SURROUNDING BUSINESS' OPERATIONS.
- CONTRACTOR SHALL PHASE GRADING/DISTURBANCE ACTIVITIES AS MUCH AS POSSIBLE TO MINIMIZE RISK OF SEDIMENT RELEASES.
- WHEN SILT FENCE INLET PROTECTION IS SHOWN CONJUNCTION WITH ANOTHER INLET PROTECTION DEVICE, THE SILT FENCE INLET PROTECTION DEVICE IS TO BE USED IN THE INTERIM PERIOD BETWEEN THE CONSTRUCTION ON THE INLET STRUCTURE BASE AND WALLS AND THE INLET TOP, ONCE THE INLET TOP IS CONSTRUCTED, CONTRACTOR SHALL USE THE OTHER SPECIFIED ON THE PLANS.

**SWPPP UPDATES AND AMENDMENTS**

THE GC MUST UPDATE THE SWPPP, INCLUDING THE JOBSITE BINDER AND SITE MAPS, TO REFLECT THE PROGRESS OF CONSTRUCTION ACTIVITIES AND GENERAL CHANGES TO THE PROJECT SITE. UPDATES SHALL BE MADE DAILY TO TRACK PROGRESS WHEN ANY OF THE FOLLOWING ACTIVITIES OCCUR: BMP INSTALLATION, MODIFICATION OR REMOVAL, CONSTRUCTION ACTIVITIES (E.G., PAVING, STORM SEWER INSTALLATION, FOOTING INSTALLATION, ETC.), CLEARING, GRUBBING OR GRADING, OR TEMPORARY OR PERMANENT STABILIZATION.

**IMPORTANT:** THE GENERAL CONTRACTOR MUST SUBMIT A REQUEST FOR INFORMATION (RFI) TO THE CEC AND OBTAIN WRITTEN CEC APPROVAL BEFORE DOING ANY OF THE FOLLOWING:

- MODIFYING EROSION OR SEDIMENT CONTROL BMPs (SUBSTITUTIONS ARE TYPICALLY ONLY APPROVED IF SPECIFIED MATERIALS ARE NOT AVAILABLE OR THERE IS A VALID REASON THE SPECIFIED BMP WILL NOT WORK)
- ADDING/DELETING EROSION OR SEDIMENT CONTROL BMPs.
- MODIFYING THE SWPPP IMPLEMENTATION SEQUENCE; OR
- PERFORMING ANY ACTIONS OR IN ANY MANNER THAT IS CONTRARY TO THE SWPPP.

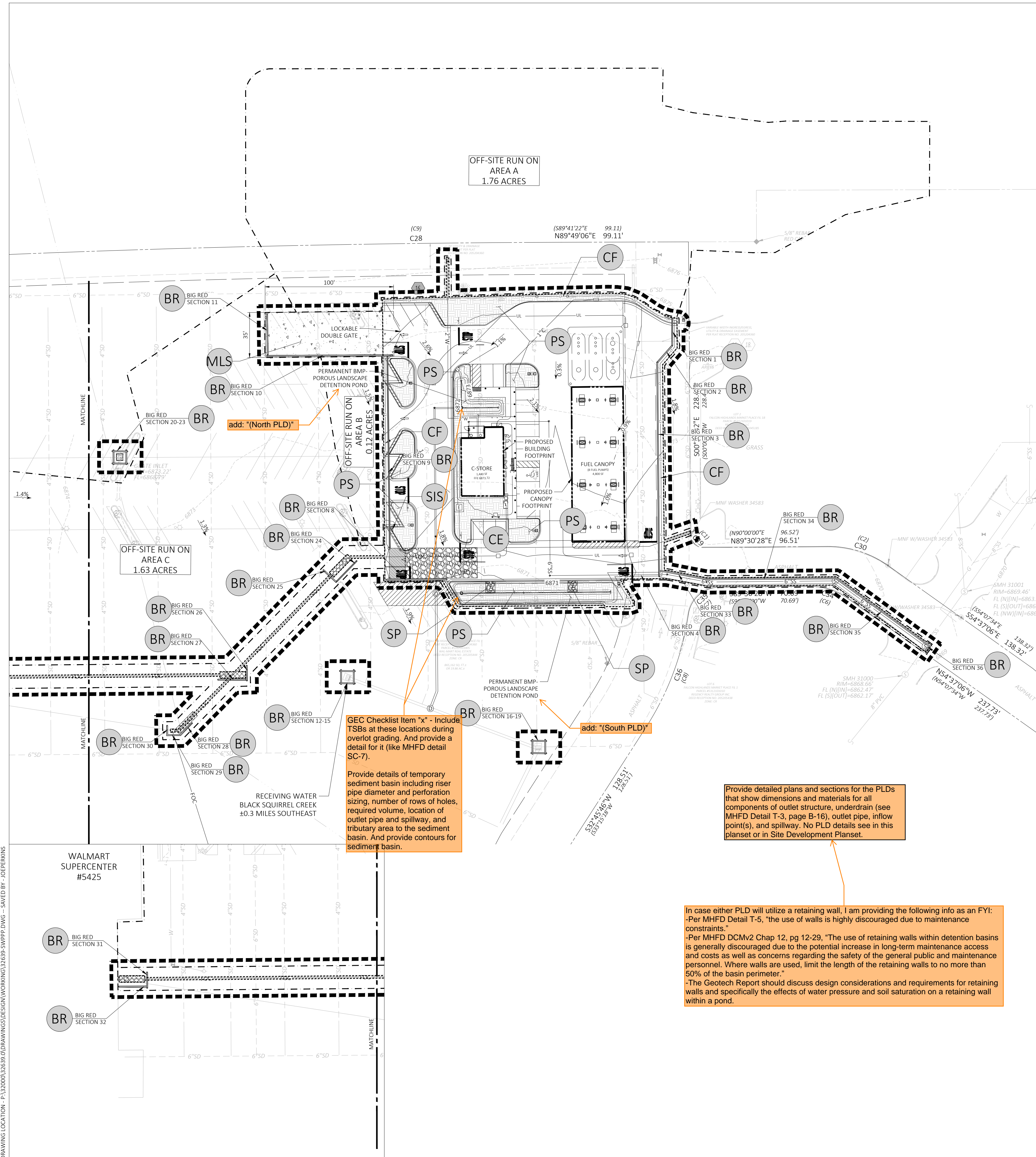
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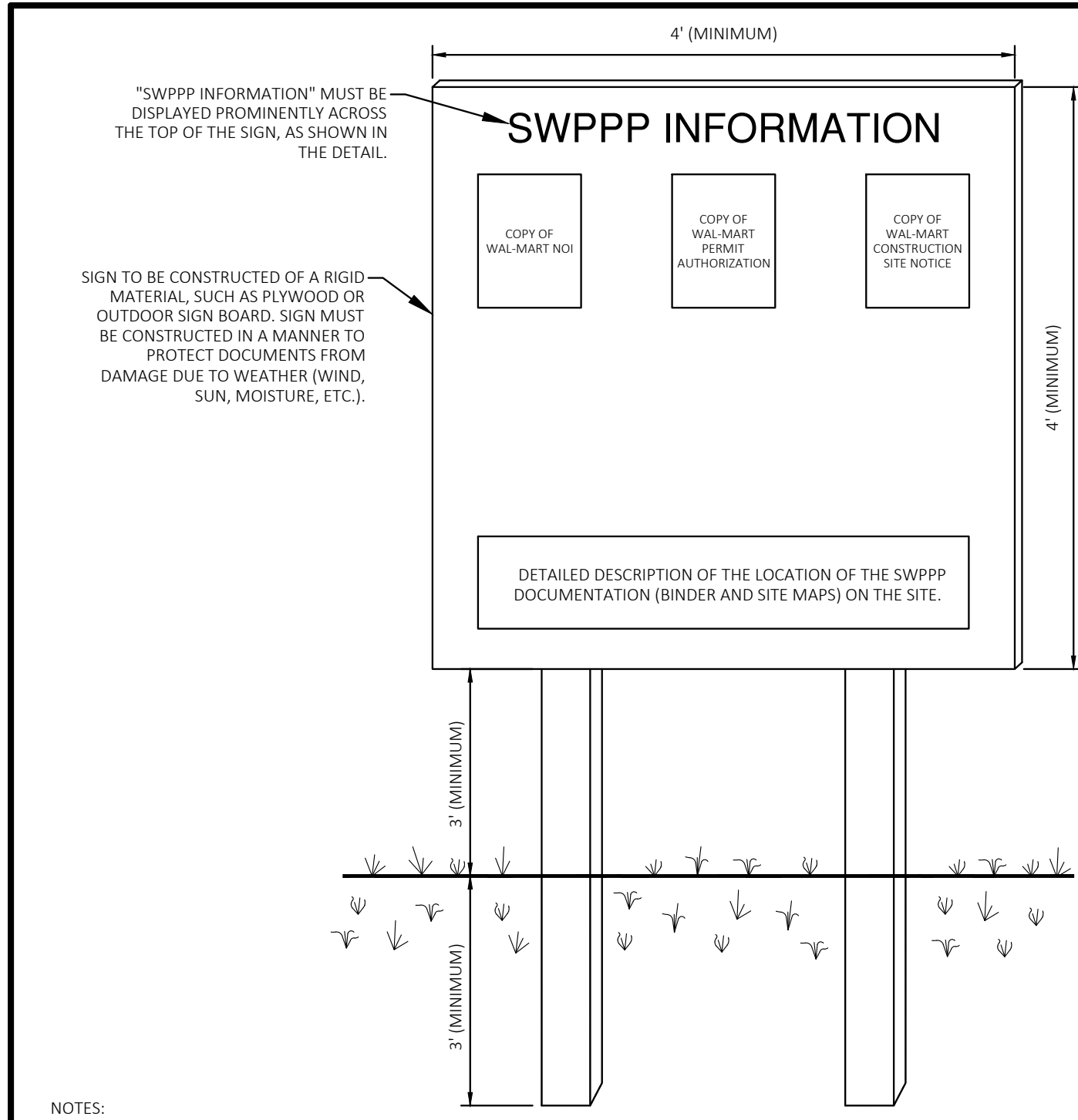
GEC Checklist Item "x" - Include TSBS at these locations during overlot grading. And provide a detail for it (like MHFD detail SC-7).  
Provide details of temporary sediment basin including riser pipe diameter and perforation sizing, number of rows of holes, required volume, location of outlet pipe and spillway, and tributary area to the sediment basin. And provide contours for sediment basin.

Provide detailed plans and sections for the PLDs that show dimensions and materials for all components of outlet structure, underdrain (see MHFD Detail T-3, page B-16), outlet pipe, inflow point(s), and spillway. No PLD details see in this planset or in Site Development Planset.

In case either PLD will utilize a retaining wall, I am providing the following info as an FYI:  
-Per MHFD Detail T-5, "the use of walls is highly discouraged due to maintenance constraints."  
-Per MHFD DCMv2 Chap 12, pg 12-29, "The use of retaining walls within detention basins is generally discouraged due to the potential increase in long-term maintenance access and costs as well as concerns regarding the safety of the general public and maintenance personnel. Where walls are used, limit the length of the retaining walls to no more than 50% of the basin perimeter."  
-The Geotech Report should discuss design considerations and requirements for retaining walls and specifically the effects of water pressure and soil saturation on a retaining wall within a pond.



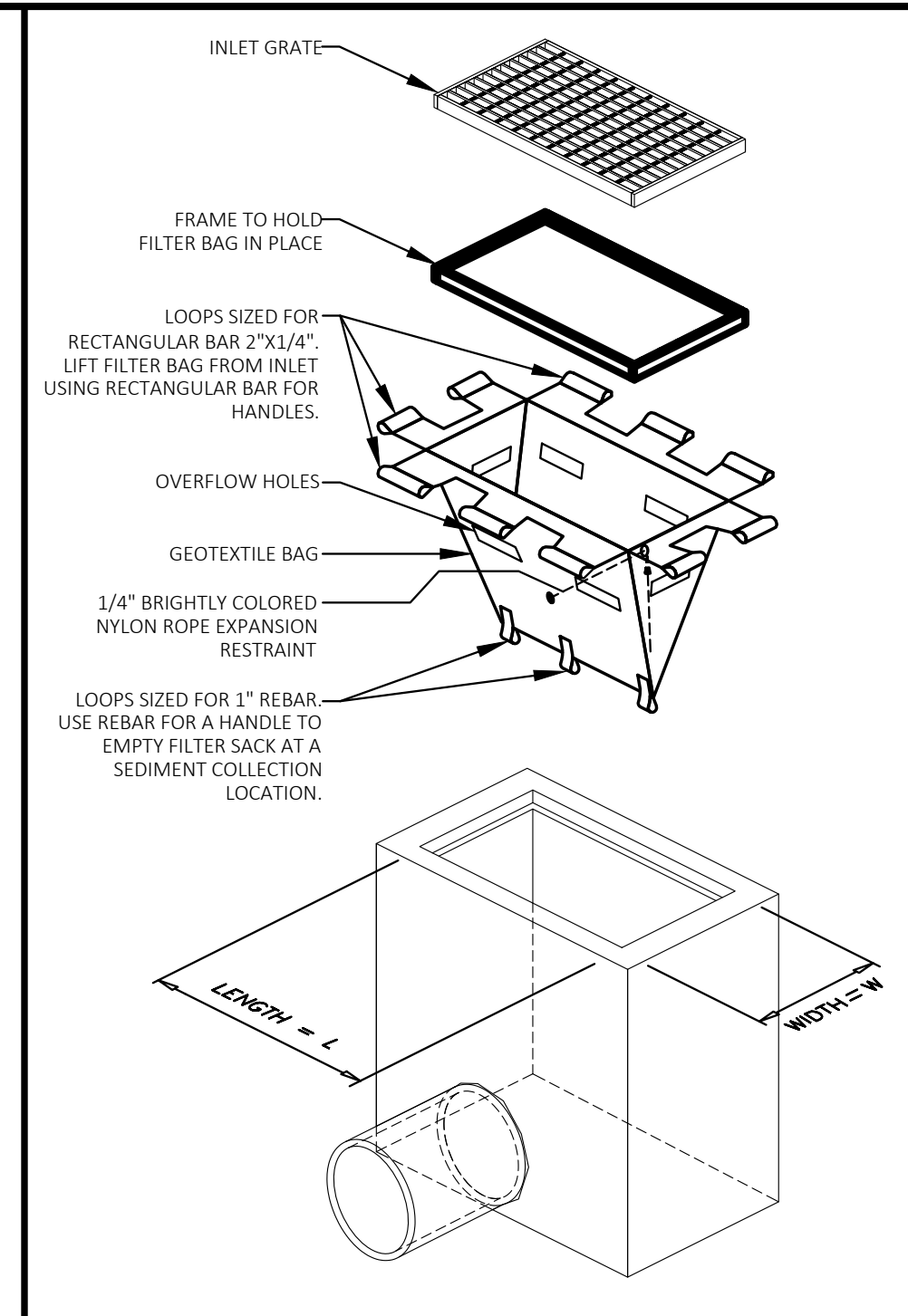




- NOTES:
1. THE SWPPP INFORMATION SIGN MUST BE LOCATED IN A PROMINENT, PUBLICLY ACCESSIBLE LOCATION NEAR THE MAIN ENTRANCE OF THE SITE, SUCH THAT THE DOCUMENTATION CAN BE READ WITHOUT ACCESSING THE JOBSITE, BUT NOT OBSTRUCTING VIEWS AS TO CAUSE A TRAFFIC SAFETY HAZARD.
  2. ALL POSTED DOCUMENTS MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE NOTICE-OF-TERMINATION (NOT) IS FILED FOR THE PERMIT.
  3. 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.
  4. CONTRACTOR SHALL POST OTHER STORMWATER AND/OR EROSION AND SEDIMENT CONTROL RELATED PERMITS ON THE SIGN AS REQUIRED BY THE GOVERNING AGENCIES.
  5. SUBSEQUENT PERMIT MODIFICATION REQUESTS OR RENEWAL APPLICATIONS AND THEIR ASSOCIATED AUTHORIZATIONS OR RESPONSES SHALL BE POSTED ON THE SWPPP SIGN.
  6. SIGN SHALL BE LOCATED OUTSIDE OF PUBLIC RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED BY THE GOVERNING AGENCY.
  7. CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY OF THE SWPPP INFORMATION SIGN.

**SWPPP INFORMATION SIGN**  
N.T.S. SIS

LAST REVISED: JUNE 2012  
WAL-MART STANDARD DETAIL



**ISOMETRIC VIEW**  
N.T.S.

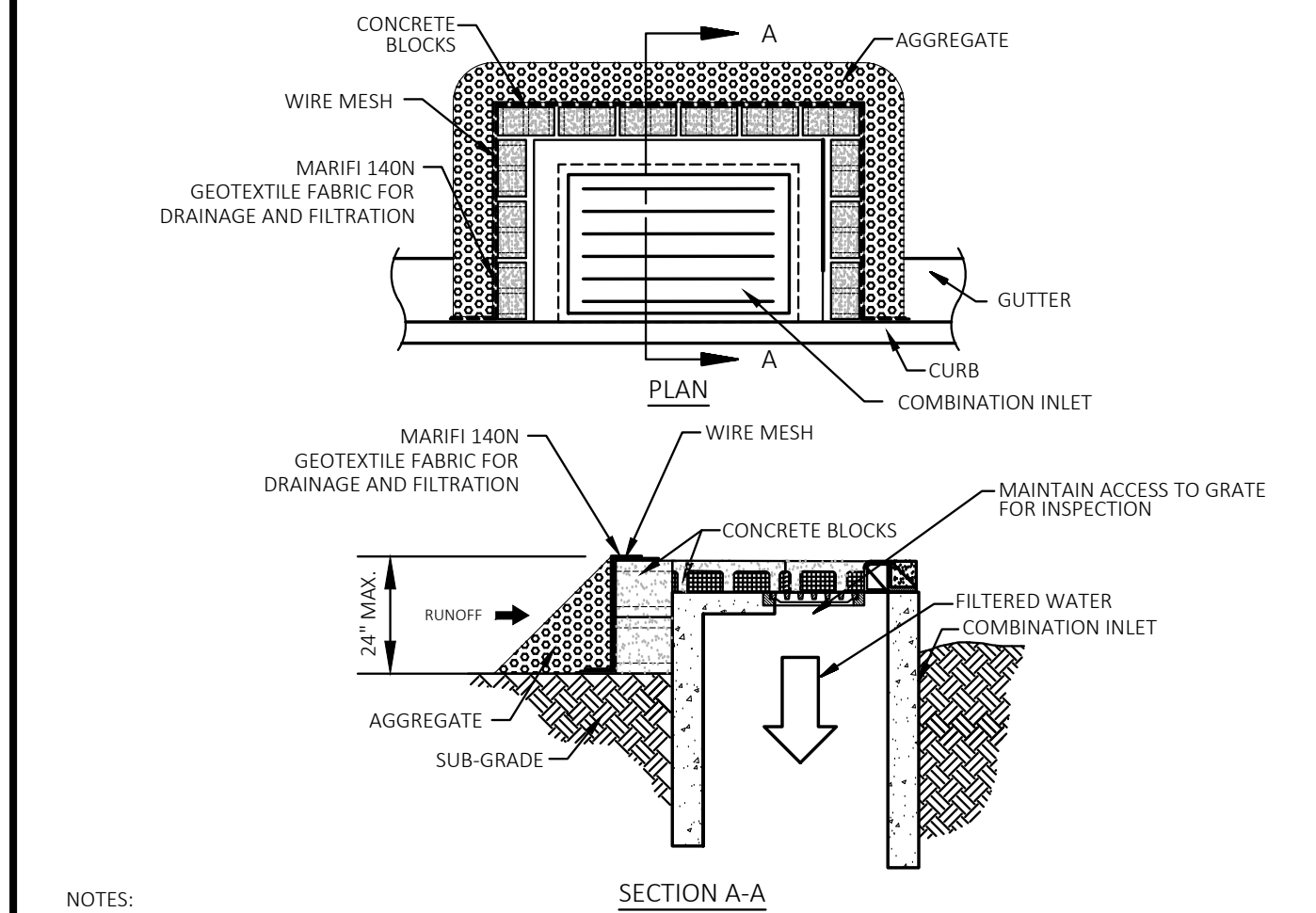
LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE			
PROPERTIES	TEST METHOD	UNITS	
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS	
GRAB TENSILE ELONGATION	ASTM D-4632	20 %	
PUNCTURE	ASTM D-4833	120 LBS	
MULLEN BURST	ASTM D-3786	800 PSI	
TRAPEZOID TEAR	ASTM D-4533	120 LBS	
UV RESISTANCE	ASTM D-4355	80 %	
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE	
FLOW RATE PERMITTIVITY	ASTM D-4491	40 GAL/MIN/SQ FT	0.55 SEC -1

MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE			
PROPERTIES	TEST METHOD	UNITS	
GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS	
GRAB TENSILE ELONGATION	ASTM D-4632	20 %	
PUNCTURE	ASTM D-4833	135 LBS	
MULLEN BURST	ASTM D-3786	420 PSI	
TRAPEZOID TEAR	ASTM D-4533	45 LBS	
UV RESISTANCE	ASTM D-4355	90 %	
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE	
FLOW RATE PERMITTIVITY	ASTM D-4491	200 GAL/MIN/SQ FT	1.5 SEC -1

**IP5 INLET PROTECTION FILTER SACK**  
N.T.S.

FOR USE ONLY IN PAVED AREAS WHERE SEDIMENT LOADS ARE EXPECTED TO BE VERY LOW. FILTER SACK MUST HAVE OVERFLOW HOLES TO PREVENT PONDING.

LAST REVISED: APRIL 30, 2011  
WALMART STANDARD DETAIL

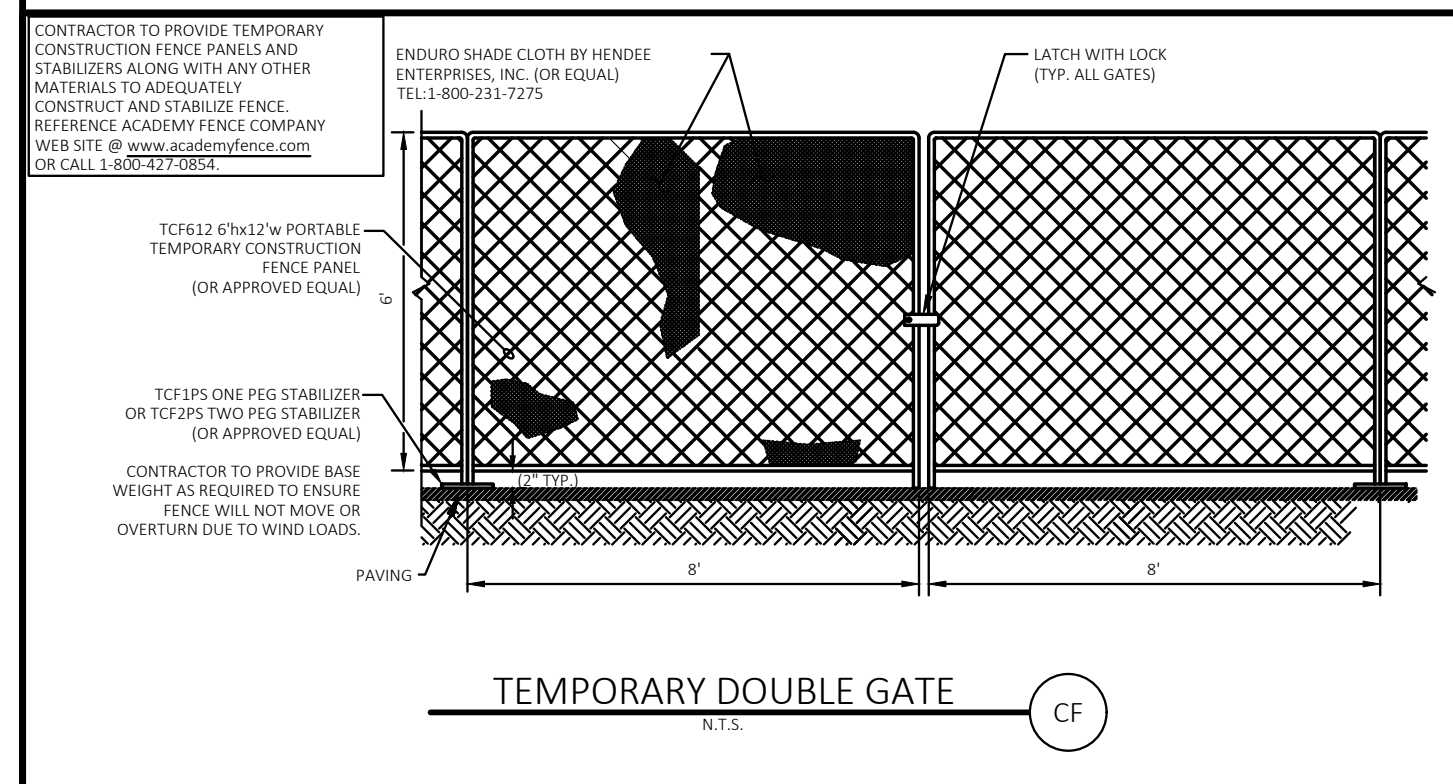


- NOTES:
1. PLACE CONCRETE BLOCKS IN A SINGLE ROW AROUND PERIMETER OF COMBINATION INLET ON THEIR SIDES, WITH ENDS OF ADJACENT BLOCKS ABUTTING.
  2. HEIGHT OF BARRIER VARIES. USE STACKS OF 4", 8", OR 12" BLOCKS. TOP OF BARRIER MUST BE LOWER THAN TOP OF CURB ELEVATIONS ADJACENT TO INLET. MAX. HEIGHT SHALL BE 24".
  3. PLACE HARDWARE CLOTH/WIRE MESH W/ MAX. 1/2" OPENINGS OVER VERTICAL FACE OF CONCRETE BLOCKS.
  4. THE AGGREGATE SHALL BE 3/4" - 2" ANGULAR CLEAN STONE WHICH WILL SLOW THE FLOW OF WATER AND ALLOW IT TO FILTER THROUGH AND OVER THE MATERIAL BEFORE ENTERING THE INLET.
  5. IF ROAD OR PARKING AREA IS OPEN TO PUBLIC, VERIFY SUITABILITY OF BMP WITH AGENCIES HAVING JURISDICTION AND WITH CEC.

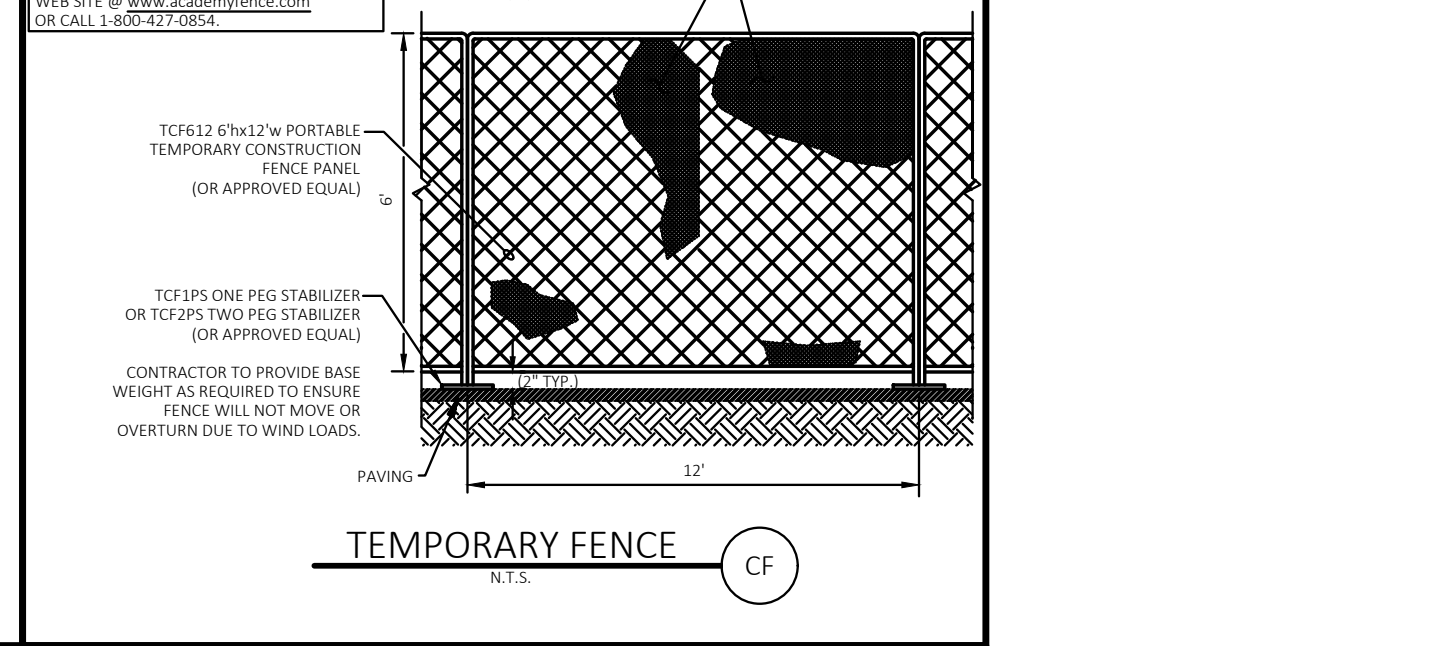
- MAINTENANCE NOTES:
1. INLET PROTECTION DEVICES MUST BE INSPECTED FOR SEDIMENT ACCUMULATION WITHIN THE CATCH BASIN (IF USING INSERT-TYPE DEVICE) OR UPGRADIENT OF THE INLET.
  2. REMOVAL OF SEDIMENT ACCUMULATED IN OR ADJACENT TO A STORM DRAIN INLET MUST BEGIN IMMEDIATELY UPON DISCOVERY, WITH COMPLETION OF THE ACTIVITY OCCURRING NO LATER THAN THE END OF THE FOLLOWING BUSINESS DAY.
  3. INLET PROTECTION DEVICES SHALL BE INSPECTED FOR UNINTENDED BYPASS OR IMPROPER FLOW-RATES THAT MAY CAUSE DOWNSTREAM FLOODING.
  4. CONTACT THE CEC FOR ALTERNATE INLET PROTECTION IF THE DESIGNED PROTECTION MAY IMPACT DOWNSTREAM BMPs, ADJACENT SLOPES, ETC., DUE TO PONDING ISSUES. ENSURE THAT NO UNDERMINING OF INLET PROTECTION DEVICES HAS OCCURRED.
  5. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.

**IP7 BLOCK AND AGGREGATE COMBINATION INLET PROTECTION**  
N.T.S. IP7

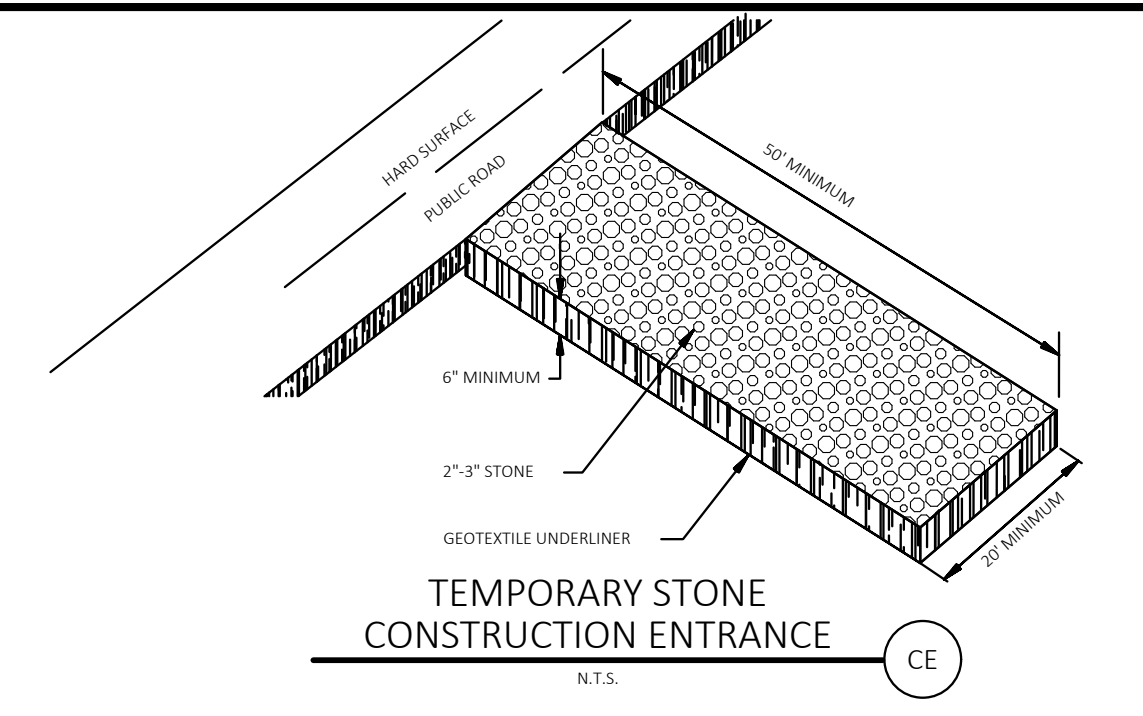
LAST REVISED: OCTOBER 2012  
MODIFIED WAL-MART STANDARD DETAIL



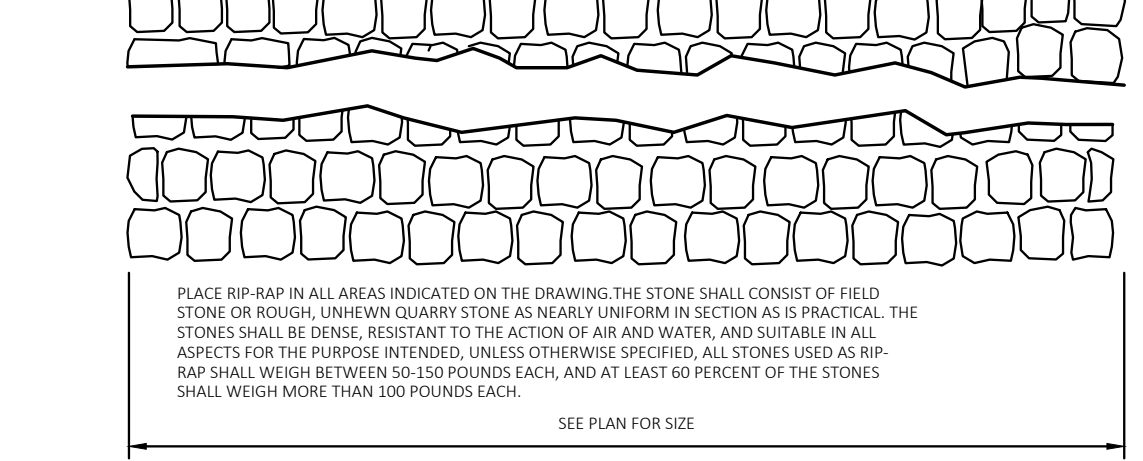
**TEMPORARY DOUBLE GATE**  
N.T.S. CF



**TEMPORARY FENCE**  
N.T.S. CF



**TEMPORARY STONE CONSTRUCTION ENTRANCE**  
N.T.S. CE



**RIP-RAP PAD FOR SLOPE PROTECTION**  
N.T.S. SP

- NOTES:
1. GEOTEXTILE SHALL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
  2. PLACE AN OIL ABSORBENT PAD OR PILLOW OVER INLET GRATE WHEN OIL SPILLS ARE A CONCERN.
  3. THE WIDTH, "W", OF THE FILTER SACK SHALL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
  4. THE DEPTH, "D", OF THE FILTER SACK SHALL BE BETWEEN 18 INCHES AND 36 INCHES.
  5. THE LENGTH, "L", OF THE FILTER SACK SHALL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX.

- MAINTENANCE NOTES:
1. INLET PROTECTION DEVICES MUST BE INSPECTED FOR SEDIMENT ACCUMULATION WITHIN THE CATCH BASIN. REMOVE TRAPPED SEDIMENT WHEN BRIGHTLY COLORED EXPANSION RESTRAINT CAN NO LONGER BE SEEN.
  2. REMOVAL OF SEDIMENT ACCUMULATED IN OR ADJACENT TO A STORM DRAIN INLET MUST BEGIN IMMEDIATELY UPON DISCOVERY, WITH COMPLETION OF THE ACTIVITY OCCURRING NO LATER THAN THE END OF THE FOLLOWING BUSINESS DAY.
  3. INLET PROTECTION DEVICES SHALL BE INSPECTED FOR UNINTENDED BYPASS OR IMPROPER FLOW-RATES THAT MAY CAUSE DOWNSTREAM FLOODING.
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  5. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.

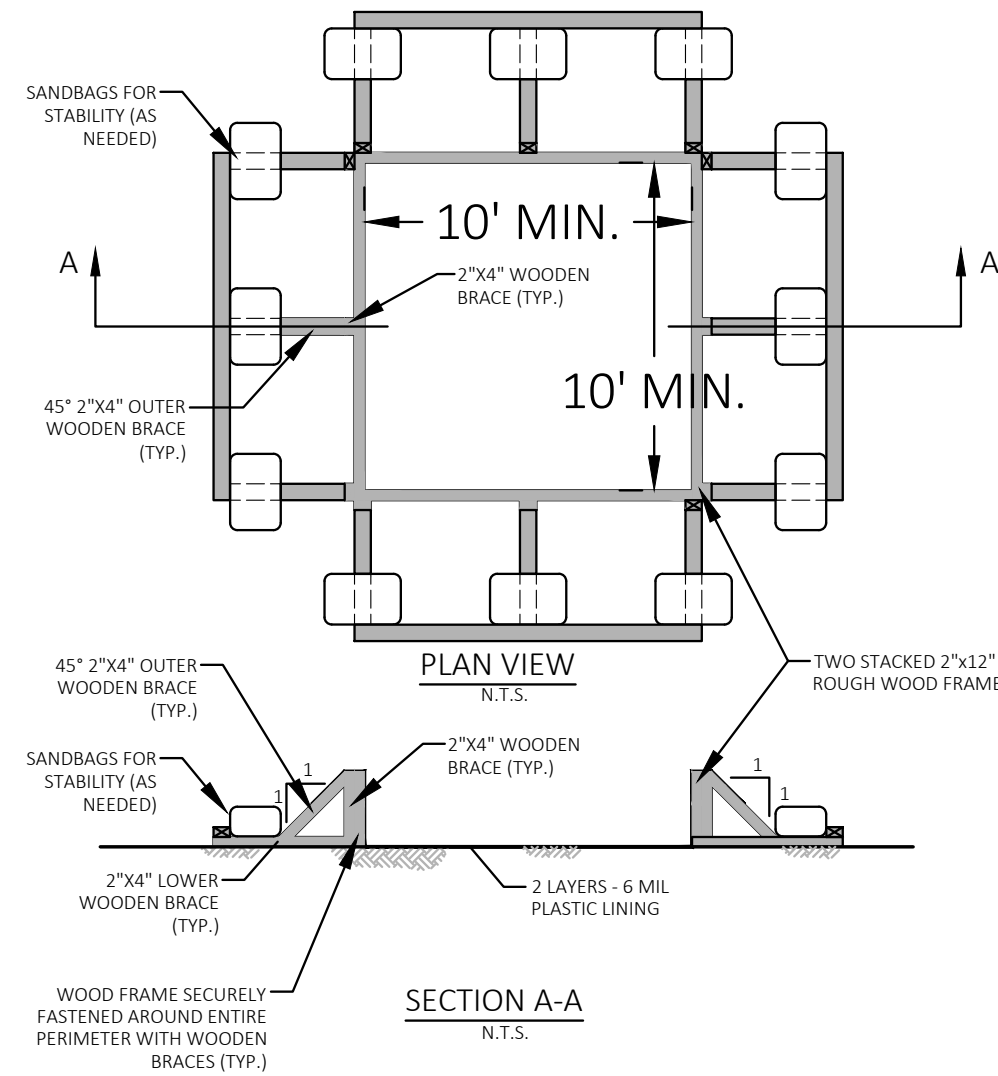
PROFESSIONAL OF RECORD	TAB
PROJECT MANAGER	JPD
DESIGNER	JSC
CEI PROJECT NUMBER	32639
DATE	5/31/2023
REVISION	REV-0

DEVELOPER/OWNER:  
WAL-MART REAL ESTATE BUSINESS TRUST  
702 SW 8TH STREET, MAIL STOP 0505  
BENTONVILLE, AR 72716-0505  
479-204-3314

SITE OPERATOR/GENERAL CONTRACTOR:

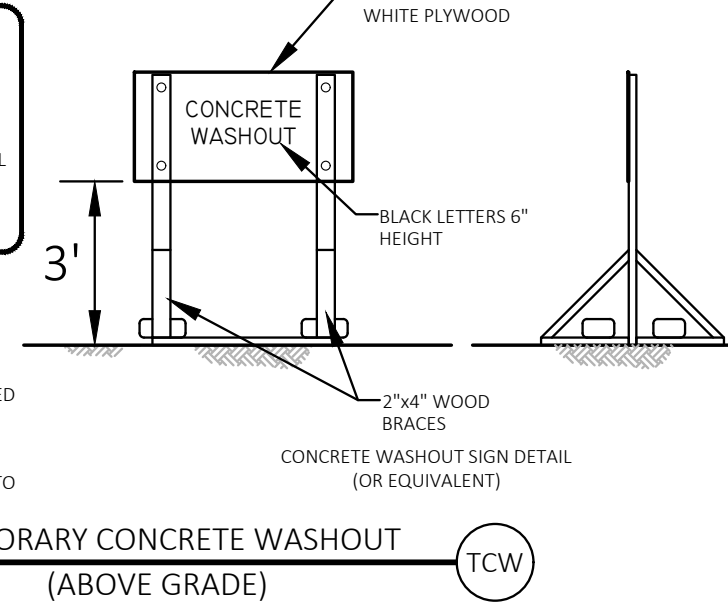
SUPERINTENDENT:

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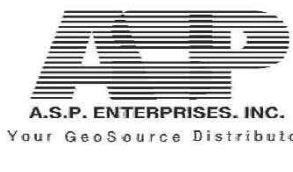
NOTE TO CONTRACTOR:  
PREFERRED METHOD BY WALMART IS ABOVEGROUND PORTABLE CONCRETE WASHOUT CONTAINERS OR IN SPECIFICALLY DESIGNATED LINED AND DIKED AREAS PREPARED TO PREVENT CONTACT BETWEEN THE CONCRETE AND/OR WASH WATER AND STORMWATER THAT WILL BE DISCHARGED FROM THE SITE. THIS DETAIL IS PROVIDED AS ONE ALTERNATIVE TO ABOVEGROUND CONTAINERS.

- NOTES:
1. CONCRETE WASHOUT SHALL BE AT LEAST 50 FT. FROM ANY STORM SEWER INLET.
  2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
  3. ADD ADDITIONAL OUTER BRACING AS NECESSARY TO ENSURE STABILITY.



### SWP-CI "Big Red"

Curb Inlet Protector  
By ASP Enterprises and Storm Water Products  
Temporary and Reusable Solutions for Sediment Control



- Reusable Curb Inlet Protection
- Environmentally Friendly
- Drops out sediment by dissipating the water energy

#### "Big Red" Filter Advantages:

- Easy to Install
- Versatile for a variety of curb inlets
- Reusable and Extremely easy to clean
- Made from 90% Recycled Materials

The SWP-CI "Big Red" Filter is a REUSABLE inlet protector that keeps out sediment throughout the entire construction project. There are no pockets to fill, no velcro bags, no assembly etc. Simply place in front of the inlet, make sure it lays in the contour, and you are DONE!

*Simple installation* also translates into simple removal, cleanup and re-use at the next project or phase. Maintenance is simple as well by lifting the unit from the inlet, shaking the mud off of it, removing the sediment on the concrete, and placing the unit back. If it is severely filled with sediment, wash it out in a vegetated area and it is as good as new.

All of these features and benefits combine to make the SWP-CI "Big Red" curb inlet protector the perfect choice for all curb inlet applications. It comes in 54" long for single curb inlets and 104" lengths for double curb inlets.

- High Flow Rate
- Made of Durable High-Strength Geotextile
- Fully Reusable
- Made of Recycled Materials



### SWP-CI "Big Red"

Curb Inlet Protector  
By ASP Enterprises and Storm Water Products



- Specifications:
1. Infill Material: shredded recycled rubber tires
  2. Weight: approx. 10 lbs per linear foot
  3. Diameter: approx. 8"

Geotextile fabric made of durable high flow fabric with the following properties:

Property	Test Method	Units	Typical Value
Weight	ASTM D5261	oz/sq. yd	9.3
Grab Tensile Strength	ASTM D4632	lb	warp 250
		oz	hll 290
Tear Strength (Opposed)	ASTM D4533	lb	warp 60
		oz	hll 50
Burst	ASTM D3786	psi	440

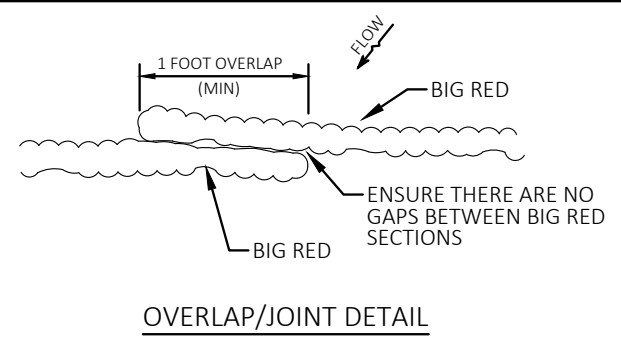
(Limits were made in discrete flow rate-the fabric exceeded all capacities of the testing equipment)



ASP Enterprises and Storm Water Products reserves the right to change or amend any of this information or for the information by the purchaser. ASP and SWP disclaim any and all express, implied, or statutory warranties, conditions or guarantees, including without limitation any implied warranty as to merchantability or fitness for particular purposes or saving from claims of liability or injury of death in any application, materials or information furnished herein. This document should not be considered as representing such.

#### BIG RED MAINTENANCE AND INSTALLATION NOTES

1. BIG REDS SHALL BE INSPECTED ALONG ITS ENTIRETY AND MUST BE CLEANED WHEN SEDIMENT HAS ACCUMULATED TO ONE-THIRD THE HEIGHT OF THE BIG RED. MAINTENANCE CLEANOUT MUST BE CONDUCTED REGULARLY TO PREVENT ACCUMULATED SEDIMENTS FROM REACHING ON-THIRD THE HEIGHT OF THE BIG RED.
2. SPECIAL ATTENTION SHOULD BE PAID TO ENSURE THAT NO UNDERMINING OF BIG RED HAS OCCURRED AND THAT NO BYPASS IS OCCURRING AT JOINING SECTIONS.
3. IF EXCESS SEDIMENT IS ACCUMULATING IN ANY SECTION OF BIG RED, THE CONTRACTOR SHOULD IMPLEMENT ADDITIONAL UPSTREAM STABILIZATION MEASURES OR ADDITIONAL BMPs (PENDING CEC APPROVAL) TO PREVENT EXCESSIVE BUILDUP ON BIG RED.
4. BIG REDS SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED.
5. A 12" OVERLAP (MIN.) SHALL BE PROVIDED WHERE BIG REDS ADJOIN EACH NEW BIG RED.



DRAWING LOCATION: P:\202003\2639\00\DRAWINGS\DESIGN\WORKING\2639-SWPPP-DWG - SANED BY: JOE BERKINS



DEVELOPER/OWNER:  
WAL-MART REAL ESTATE BUSINESS TRUST  
702 SW 8TH STREET, MAIL STOP 0505  
BENTONVILLE, AR 72716-0505  
479-204-3314

SITE OPERATOR/GENERAL CONTRACTOR:

SUPERINTENDENT:

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

PROFESSIONAL OF RECORD	TAB
PROJECT MANAGER	JPD
DESIGNER	JSC
CEI PROJECT NUMBER	32639
DATE	5/31/2023
REVISION	REV-0

SWPPP DETAIL  
SHEET 2

SHEET TITLE  
SHEET NUMBER

NOTES:

- VERIFY WITH CEC WHICH DISCHARGES FROM DEWATERING ACTIVITIES ARE ALLOWED OR ARE NOT ALLOWED. NON-STORMWATER DISCHARGES UNDER THE GENERAL PERMIT AND OTHER REGULATIONS. OBTAIN ALL DEWATERING PERMITS AND AUTHORIZATIONS REQUIRED BY STATE AND LOCAL REGULATIONS. SEE THE REQUIRED DEWATERING PERMITS AND AUTHORIZATIONS TABLE BELOW. GC MUST COMPLETE COLUMNS 3 AND 4.
- GC MUST WAIT TO HAVE WRITTEN COPY OF ALL REQUIRED DEWATERING PERMITS AND AUTHORIZATIONS BEFORE PERFORMING DEWATERING ACTIVITIES.
- DISCHARGES FROM DEWATERING OPERATIONS MUST BE DIRECTED THROUGH AN APPROPRIATE POLLUTION PREVENTION/TREATMENT SYSTEM OF CONTROL MEASURES, SUCH AS SEDIMENT/FILTER RAG, SEDIMENT TRAP OR SEDIMENT BASIN, AND OTHERS, AS NEEDED, PRIOR TO BEING DISCHARGED FROM THE SITE OR INTO A WATER BODY OF THE STATE. UNDER NO CIRCUMSTANCES ARE DISCHARGES FROM DEWATERING OPERATIONS TO BE DISCHARGED DIRECTLY INTO SANITARY SEWER SYSTEMS, STREAMS, RIVERS, LAKES OR OTHER AREAS BEYOND THE PERMITTED PROJECT AREA. LIKEWISE, DISCHARGES INTO STORM SEWER SYSTEMS THAT DO NOT DRAIN TO A SUITABLE ON-SITE TREATMENT FACILITY, SUCH AS A BASIN, ARE ALSO PROHIBITED. DISCHARGES FROM DEWATERING OPERATIONS MUST ALSO BE CONDUCTED IN A MANNER SUFFICIENT TO PREVENT EROSION FROM THE DISCHARGE RUNOFF.
- IN SEDIMENT TRAP OR BASIN OR POND DEWATERING OPERATIONS, WATER MUST ONLY BE REMOVED FROM THE SURFACE OF THE CONTAINED WATER. A SKIMMER OR SIMILAR FLOATING DEVICE MUST BE USED, TO ONLY REMOVE THE WATER AT THE SURFACE.
- DO NOT DISCHARGE ON A SLOPE GREATER THAN THREE PERCENT NOR WITHIN 20 FEET OF A SURFACE WATER BODY.
- DEWATERING SHALL NOT OCCUR DURING OR IMMEDIATELY AFTER PRECIPITATION EVENTS, BUT EXCEPTIONS SHALL BE EVALUATED ON CASE BY CASE BASIS. CONTACT THE CEC AND RECEIVE WRITTEN APPROVAL.

REQUIRED DEWATERING PERMITS AND AUTHORIZATIONS			
1	2	3	4
GOVERNING AGENCY	PERMIT NAME/TYPE	PERMIT NO. (GC TO COMPLETE)	DATE PERMIT WAS ISSUED BY AGENCY (GC TO COMPLETE)
N/A	N/A	N/A	N/A

**DW** DEWATERING

LAST REVISED: **WALMART STANDARD DETAIL**  
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NOTES:

- SUBSTANCES THAT HAVE THE POTENTIAL FOR POLLUTING SURFACE AND/OR GROUNDWATER MUST BE CONTROLLED BY ANY MEANS NECESSARY TO ENSURE THAT THOSE DO NOT DISCHARGE FROM THE SITE. IN THIS REGARD, POTENTIALLY POLLUTING SUBSTANCES SHALL BE STORED AND HANDLED IN A MANNER CONSISTENT WITH THE RISK OF IMPACT THOSE REPRESENT, AND ACCORDING WITH THE REGULATIONS.
- NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, ARE ALLOWED TO BE DISCHARGED FROM THE SITE WITH STORMWATER. ALL SOLID WASTE, INCLUDING DISPOSABLE MATERIALS INCIDENTAL TO THE CONSTRUCTION ACTIVITIES, MUST BE COLLECTED AND PLACED IN CONTAINERS. 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. THE CONTAINERS SHALL BE HAULED AWAY FROM THE SITE AND EMPTIED WHEN THOSE BECOME 95% FULL, OR AS NECESSARY, BY A CERTIFIED TRASH DISPOSAL SERVICE. LIDS OR COVERS FOR THE CONTAINERS SHALL BE PROVIDED FOR USE DURING RAIN EVENTS TO PREVENT WASTE CONTACT WITH STORMWATER. WASTES THAT CANNOT BE STORED IN A CONTAINER MUST BE STORED UNDER COVER OR INDOORS. THE LOCATION OF SOLID WASTE RECEPTACLES SHALL BE SHOWN ON THE SITE MAPS.

**SWD** SOLID WASTE DISPOSAL

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NOTES:

- CONTRACTOR SHALL PROVIDE DESIGNATED LOCATION FOR SORTING AND SEPARATING HAZARDOUS WASTES.
- HAZARDOUS WASTE STORAGE MUST BE PROTECTED FROM WEATHER ELEMENTS AND HAVE RESTRICTED ACCESS.
- HAZARDOUS WASTE STORAGE MUST COMPLY WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
- HAZARDOUS WASTE STORAGE MUST COMPLY WITH CONTRACT DOCUMENTS.

**HWI** HAZARDOUS WASTE DISPOSAL

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NOTES:

- ALL PERSONNEL INVOLVED WITH CONSTRUCTION ACTIVITIES MUST COMPLY WITH STATE AND LOCAL SANITARY OR SEPTIC SYSTEM REGULATIONS. PORTABLE TOILETS MUST BE LOCATED AT LEAST 30 FEET FROM INLETS, CHANNELS, SWALES, OR PERMITTED LIMITS OF DISTURBANCE, AND MUST BE LOCATED AT LEAST 50 FEET FROM WATERS OF THE STATE, OR WATERS OF THE U.S.. PORTABLE TOILETS MUST BE SECURELY ANCHORED AND/OR TIED DOWN. SECONDARY CONTAINMENT SHALL BE PROVIDED AND FULL CAPACITY SHALL BE RESTORED IMMEDIATELY UPON DISCOVERY OF ITS DIMINISHMENT. THE LOCATION OF SANITARY FACILITIES SHALL BE SHOWN ON THE SITE MAPS.

**SAF** SANITARY FACILITIES

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NOTES:

- THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OR SWEEPING (IF LOCATED ON PAVEMENT) OF THE TEMPORARY PARKING AREA AS CONDITIONS DEMAND IN ORDER TO PREVENT TRACK OUT OF SEDIMENT.

**TP** TEMPORARY PARKING

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NOTES:

- ALL ON-SITE TOPSOIL MUST BE PRESERVED FOR REUSE ON THE SITE DURING REVEGETATION, UNLESS IT IS INFEASIBLE OR UNREASONABLE TO DO SO. (NOTE: TOPSOIL STOCKPILING ON-SITE MAY BE INFEASIBLE IF SPACE IS NOT AVAILABLE ON-SITE FOR TOPSOIL STOCKPILING OR IF LITTLE TO NO VEGETATION IS TO REMAIN UNDER POST-CONSTRUCTION CONDITIONS. STOCKPILING OF TOPSOIL AT AN OFF-SITE LOCATION OR TRANSFER OF TOPSOIL TO OTHER LOCATIONS MAY ALSO BE ACCEPTABLE BUT MUST BE AUTHORIZED BY THE CEC).
- ALL SOIL STOCKPILES MUST BE STABILIZED TO PREVENT EROSION AND FUGITIVE DUST. THE SURFACE OF THE STOCKPILE MUST BE PROPERLY PROTECTED TO ELIMINATE THE RISK OF EROSION. SEE TEMPORARY SEEDING OR STABILIZATION DETAIL. SUITABLE ALTERNATIVE MEANS OF STABILIZATION CAN BE USED, SUCH AS PROPERLY ANCHORED PLASTIC TARPS.
- PERIMETER SEDIMENT CONTROLS ALSO MUST BE INSTALLED AT STOCKPILE LOCATIONS TO PREVENT CONTACT WITH STORMWATER, INCLUDING RUN-ON.
- STOCKPILES MUST BE LOCATED OUTSIDE OF ANY VEGETATED BUFFER AREAS AND SHOULD BE LOCATED AS FAR AS PRACTICABLE FROM STORMWATER CONVEYANCES AND IMPOUNDMENTS AND WATER BODIES.
- STOCKPILE LOCATIONS SHALL BE NOTED ON THE SITE MAPS.

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NOTES:

- LARGE AREAS OF SOIL THAT ARE DENuded OF VEGETATION AND HAVE NO PROTECTION FROM PARTICLES BEING PICKED UP AND CARRIED BY WIND SHOULD BE PROTECTED WITH A TEMPORARY COVER OR KEPT UNDER CONTROL WITH WATER OR OTHER SOIL ADHERING PRODUCTS TO PREVENT SOIL PARTICLES FROM BECOMING AIRBORNE, AND FROM EXITING THE SITE PERIMETER.
- WATER TRUCKS OR OTHER DUST CONTROL AGENTS SHALL BE USED AS NEEDED DURING CONSTRUCTION TO MINIMIZE DUST GENERATED ON THE SITE. TACKIFIERS MAY BE USED TO HOLD SOIL IN PLACE AND PREVENT DUST. MANUFACTURER RECOMMENDATIONS FOR APPLICATION LOCATIONS AND RATES MUST BE USED FOR DUST CONTROL APPLICATIONS. ONLY SWPPP-SPECIFIED TACKIFIERS MAY BE USED ON THE PROJECT SITE, ANY CHEMICAL APPLICATION NOT INCLUDED IN THE SWPPP MUST BE APPROVED, IN WRITING, BY THE CEC.
- DUST CONTROL MUST BE PROVIDED BY THE GC TO A DEGREE THAT IS IN COMPLIANCE WITH APPLICABLE FEDERAL, LOCAL AND STATE DUST CONTROL REGULATIONS.
- THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- IN ADDITION TO BMPs, GC SHALL PERFORM PRACTICES AND PROCEDURES WHICH MINIMIZE AND PREVENT AIRBORNE DUST OR OTHER PARTICLES FROM OCCURRING.

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NOTES:

- MATERIAL STORAGE AREAS SHOULD BE LOCATED, WHEN POSSIBLE, TO MINIMIZE EXPOSURE TO WEATHER. INSPECTIONS SHALL EVALUATE DISTURBED AREAS AND AREAS USED FOR STORING MATERIALS THAT ARE EXPOSED TO RAINFALL FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM OR DISCHARGING FROM THE SITE. IF NECESSARY, THE MATERIALS MUST BE COVERED OR ORIGINAL COVERS MUST BE REPAIRED OR SUPPLEMENTED. ALSO, PROTECTIVE BERMS MUST BE CONSTRUCTED, IF NEEDED, TO CONTAIN RUNOFF FROM MATERIAL STORAGE AREAS. GC SHALL ADHERE TO ALL STATE AND LOCAL REGULATIONS PERTAINING TO MATERIAL STORAGE AREAS.
- CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS, AND OTHER TOXIC MATERIALS MUST BE STORED IN WATERPROOF CONTAINERS, EXCEPT DURING APPLICATION. THE CONTAINERS AND THE CONTENTS MUST BE KEPT IN TRUCKS OR INSIDE OF STORAGE FACILITIES. RUNOFF CONTAINING SUCH MATERIAL MUST BE COLLECTED, REMOVED FROM THE SITE, TREATED, AND DISPOSED OF AT AN APPROVED SOLID WASTE AND CHEMICAL DISPOSAL FACILITY.

**MLS** MATERIAL LAYDOWN AND STORAGE AREA

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NOTES:

- CONCRETE WASTE MANAGEMENT PERTAINS TO WASTE FROM CONCRETE READY-MIX TRUCKS, MASONRY OPERATIONS, AND SIMILAR WASTE.
- NO LOCAL AND/OR STATE REQUIREMENTS PROHIBIT THE USE OF CONCRETE WASHOUT-OUT PITS.
- DISCHARGE OF EXCESS OR WASTE CONCRETE AND/OR WASH WATER FROM CONCRETE TRUCKS IS ALLOWED AT THE CONSTRUCTION SITE. ONLY COMMERCIALLY AVAILABLE ABOVE GROUND PORTABLE CONCRETE WASHOUT CONTAINERS ARE ALLOWED AND MUST BE PROTECTED FROM VEHICLE TRAFFIC AND CLEARLY IDENTIFIED BY LEGIBLE SIGNAGE, AND MUST BE LOCATED OUTSIDE OF VEGETATED BUFFERS AND AS FAR AS PRACTICABLE FROM STORMWATER CONVEYANCES AND IMPOUNDMENTS AND WATER BODIES. PORTABLE CONCRETE WASHOUT CONTAINERS SHALL CONTAIN AND/OR ACTIVELY MANAGE BOTH SOLID AND FLUID COMPONENTS OF THE MIX. CONCRETE WASHOUT CONTAINERS MUST BE CLEANED OR EXCHANGED WHEN THE REMAINING VOLUME IS REDUCED BY 85% TO PREVENT ANY POTENTIAL OVERFLOW IN A STORM EVENT.
- ALTERNATIVELY, WASTE CONCRETE CAN BE PLACED INTO FORMS TO MAKE RIP RAP AND/OR OTHER USEFUL CONCRETE PRODUCTS. PORTABLE CONCRETE WASHOUT CONTAINERS SHALL BE DISPOSED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. THE GC IS RESPONSIBLE FOR ASSURING THAT THESE PROCEDURES, APPLICABLE LAWS, AND ENVIRONMENTAL REGULATIONS ARE FOLLOWED. THE LOCATION OF CONCRETE WASHOUT CONTAINERS SHALL BE SHOWN ON THE SITE MAPS.

**CW** CEMENT AND CONCRETE WASHOUT

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NOTES:

- PROVIDE WASH STATION IN A LOCATION PROTECTED FROM WEATHER ELEMENTS.
- COLLECT ALL USED WASH WATER AND DISPOSE OF IT PROPERLY.
- PROVIDE ADEQUATE SUPPLY OF WATER AND ANY OTHER SUPPLIES TO ENSURE PROPER OPERATION OF WASH STATION WHEN NEEDED.

**PSW** PAINT AND STUCCO WASHOUT

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NOTES:

- THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OR SWEEPING (IF LOCATED ON PAVEMENT) OF THE TEMPORARY PARKING AREA AS CONDITIONS DEMAND IN ORDER TO PREVENT TRACK OUT OF SEDIMENT.

**EMA** EQUIPMENT AND VEHICLE CLEANING AND MAINTENANCE AREAS

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NOTES:

- USING WATER FROM BASINS, TRAPS, TANKS, OR OTHER WATER CONTAINMENT AREAS FOR IRRIGATION MINIMIZES DISCHARGES FROM THE SITE, AND IT MAY SATISFY OTHER NEEDS OF THE CONSTRUCTION PROJECT, SUCH AS DUST CONTROL, VEGETATIVE ESTABLISHMENT, ETC.
- CARE SHOULD BE TAKEN THAT WATER UTILIZED FROM CONTAINMENT AREAS ON-SITE FOR CONSTRUCTION PURPOSES DOES NOT DISCHARGE OFF-SITE. IF DISCHARGE IS ANTICIPATED OR OBSERVED, DEWATERING PROCEDURES STATED IN THE DEWATERING DETAIL MUST BE FOLLOWED.
- GC SHALL IMPLEMENT IRRIGATION OR DISPERSION AS PRACTICABLE TO REDUCE WATER VOLUME IN IMPOUNDMENTS AND TO FOSTER VEGETATION GROWTH.

**ID** IRRIGATION OR DISPERSION

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NOTES:

- STORM DRAIN INLET PROTECTION MEASURES SHALL PREVENT SOIL AND DEBRIS FROM ENTERING STORM DRAIN INLETS.
- TEMPORARY CONTROLS SHALL BE CONSTRUCTED BEFORE THE SURROUNDING AREA IS DISTURBED.
- TO PREVENT CLOGGING, STORM DRAIN CONTROL STRUCTURES MUST BE MAINTAINED FREQUENTLY.
- CHECK ALL TEMPORARY CONTROL MEASURES DAILY, AND AFTER EACH STORM EVENT.
- CONTROL MEASURES MUST BE BUILT PER DETAIL AND PLANS, AND MUST BE IN GOOD WORKING CONDITION AT ALL TIMES.

**IP** INLET PROTECTION

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NOTES:

- THE GC SHALL IDENTIFY MASONS' AREA WITH LEGIBLE SIGNAGE ON THE SITE. TO THE EXTENT PRACTICAL, ALL MASONRY TOOLS, MATERIAL, INCLUDING SAND AND SACKED CEMENT AND/OR MORTAR MATERIALS, MIX, AND EQUIPMENT SHALL BE LOCATED WITHIN THE AREA IDENTIFIED. MATERIALS VULNERABLE TO WEATHER ELEMENTS SHALL BE STORED IN CONTAINERS AT THE END OF EACH WORK DAY. SUCH MATERIALS SHALL REMAIN STORED IN CONTAINERS WHEN NOT IN USE.
- RUNOFF CONTROL, SUCH AS DIVERSION BERMS, SILT FENCE, SILT DIKE, OR OTHER MEANS OF CONTAINMENT SHALL BE PROVIDED TO PREVENT THE MIGRATION OF STORMWATER POLLUTANTS FROM THE MASONS' AREA. COVERED RECEPTACLES FOR DEBRIS AND TRASH DISPOSAL SHALL ALSO BE PROVIDED.
- THE MASONS' AREA SHALL MEET OSHA AND OTHER REGULATORY REQUIREMENTS FOR PERSONAL PROTECTIVE EQUIPMENT (PPE), FIRE EXTINGUISHERS, ETC. GC SHALL PROVIDE SCREENING OR OTHER TECHNOLOGIES FOR MASONS' AREA TO PREVENT AIRBORNE TRANSPORT OF CEMENT DUST AND OTHER PARTICULATES DUE TO HIGH SPEED WIND OR OTHER CONDITIONS. THE LOCATION OF THE MASONS' AREA SHALL BE SHOWN ON THE SITE MAPS.

**MA** MASONS' AREA

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NOTES:

- THE GC SHALL IDENTIFY FUELING AREAS WITH LEGIBLE SIGNAGE ON THE SITE. TEMPORARY ON-SITE FUEL TANKS FOR CONSTRUCTION VEHICLES SHALL MEET ALL LOCAL, STATE AND FEDERAL REGULATIONS. ALL TANKS, SINGLE AND DOUBLE WALLED, SHALL BE PROVIDED WITH SECONDARY CONTAINMENT (THAT IS CONTAINMENT EXTERNAL TO AND SEPARATE FROM PRIMARY CONTAINMENT). TANKS SHALL HAVE APPROVED SPILL CONTAINMENT WITH THE CAPACITY REQUIRED BY THE APPLICABLE REGULATIONS. SECONDARY CONTAINMENT SHALL BE CONSTRUCTED OF MATERIALS OF SUFFICIENT THICKNESS, DENSITY, AND COMPOSITION SO AS NOT TO BE STRUCTURALLY WEAKENED AS A RESULT OF CONTACT WITH THE FUEL STORED AND CAPABLE OF CONTAINING DISCHARGED FUEL FOR A PERIOD OF TIME EQUAL TO OR LONGER THAN THE MAXIMUM ANTICIPATED TIME SUFFICIENT TO ALLOW RECOVERY OF DISCHARGED FUEL. IT SHALL BE CAPABLE OF CONTAINING 110% OF THE VOLUME OF THE PRIMARY TANK IF A SINGLE TANK IS USED, OR IN THE CASE OF MULTIPLE TANKS, 150% OF THE LARGEST TANK OR 110% OF THE AGGREGATE, WHICHEVER IS LARGER.
- THE TANKS SHALL BE IN SOUND CONDITION, FREE OF RUST OR OTHER DAMAGE WHICH MIGHT COMPROMISE CONTAINMENT. FUEL STORAGE AREAS SHALL MEET ALL EPA, OSHA AND OTHER REGULATORY REQUIREMENTS FOR SIGNAGE, FIRE EXTINGUISHERS, ETC. HOSES, VALVES, FITTINGS, CAPS, FILLER NOZZLES, AND ASSOCIATED HARDWARE SHALL BE MAINTAINED IN PROPER WORKING CONDITION AT ALL TIMES. TANKS SHALL BE LOCATED TO MINIMIZE EXPOSURE TO WEATHER AND SURFACE WATER DRAINAGE FEATURES. THE LOCATION OF FUEL TANKS SHALL BE SHOWN ON THE SITE MAPS.
- A SPILL PREVENTION, CONTROL, AND COUNTERMEASURE (SPCC) PLAN MUST BE DEVELOPED IF ABOVEGROUND OIL STORAGE CAPACITY AT THE CONSTRUCTION SITE EXCEEDS 1,320 GALLONS OR AS SPECIFIED BY STATE.
- CONTAINERS WITH A STORAGE CAPACITY OF 55-GALLONS OR LESS ARE NOT INCLUDED WHEN CALCULATING SITE STORAGE CAPACITY. THE GC SHALL WORK WITH THE CEC TO DEVELOP AND IMPLEMENT A SPCC PLAN IN ACCORDANCE WITH THE OIL POLLUTION PREVENTION REGULATION AT TITLE 40 OF THE CODE OF FEDERAL REGULATIONS, PART 112, (40 CFR 112).

**FPSU** FUEL AND PETROLEUM STORAGE AND USE

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NOTES:

- THIS SECTION INCLUDES THE CONTROLS OF POLLUTANTS OTHER THAN SEDIMENT AND ADDITIONAL REQUIREMENTS OF THE GENERAL PERMIT.
- NO ADDITIONAL POLLUTANT CONTROLS ARE ANTICIPATED FOR THIS PROJECT.

**OPC** OTHER POLLUTANT CONTROLS

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NOTES:

- THE GC SHALL DESIGNATE AREAS ON THE SITE MAPS FOR EQUIPMENT CLEANING, MAINTENANCE, AND REPAIR. THE GC AND SUBCONTRACTORS SHALL UTILIZE SUCH DESIGNATED AREAS. CLEANING, MAINTENANCE, AND REPAIR AREAS SHALL BE PROTECTED BY A TEMPORARY PERIMETER BERM, SHALL NOT OCCUR WITHIN 150 FEET OF ANY WATERWAY, WATER BODY OR WETLAND, AND SHALL OCCUR IN AREAS LOCATED AS FAR AS PRACTICAL FROM STORM SEWER INLETS. DRIP PANS SHALL BE USED FOR VEHICLE MAINTENANCE ACTIVITIES AND RESULTANT WASTES SHALL BE DISPOSED OF IN ACCORDANCE WITH THE HAZARDOUS MATERIAL MANAGEMENT AND SPILL REPORTING PLAN NOTES INCLUDED ON THIS PLAN SHEET.
- USE OF DETERGENTS FOR LARGE SCALE WASHING IS PROHIBITED (FOR EXAMPLE, WASHING VEHICLES, BUILDINGS, PAVEMENT SURFACES, ETC.). ALL WASH WATER SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.

**EMA** EQUIPMENT AND VEHICLE CLEANING AND MAINTENANCE AREAS

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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 80 PERCENT DENSITY OVER THE ENTIRE VEGETATED AREA, OR GREATER IN ACCORDANCE WITH THE GENERAL PERMIT REQUIREMENTS.
- VEGETATED AREAS MUST BE WATERED, FERTILIZED, AND RESEED 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 VEGETATED AREAS SHALL BE INSPECTED REGULARLY TO CONFIRM THAT A HEALTHY STAND OF GRASS IS MAINTAINED.

**SVR** SEEDING/VEGETATION REQUIREMENTS

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NOTES:

- THE GC IS REQUIRED TO, AT A MINIMUM, INITIATE SOIL STABILIZATION MEASURES IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT LIKELY RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
- 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.
- ALL DISTURBED AREAS MUST BE STABILIZED TEMPORARILY WITH THE USE OF FAST-GERMINATING ANNUAL GRASS/GRAIN VARIETIES APPROPRIATE FOR SITE SOIL AND CLIMATE CONDITIONS. MULCH IS REQUIRED FOR ALL SEEDING APPLICATIONS, AND ALL MULCH APPLICATIONS MUST INCLUDE A SUITABLE FORM OF MULCH ANCHORING TO MINIMIZE MOVEMENT OF MULCH BY WIND OR WATER.
- ALTERNATIVE STABILIZATION MEASURES TO SEEDING, SUCH AS ANCHORED MULCH APPLICATION (WITHOUT SEEDING), MAY BE UTILIZED DURING PERIODS WHEN VEGETATIVE GROWTH IS UNLIKELY (E.G. WINTER MONTHS).
- IT IS NOT ACCEPTABLE TO ALLOW BARE SOIL TO REMAIN EXPOSED AT ANY TIME DURING THE YEAR, REGARDLESS OF WEATHER/TEMPERATURE/SITE CONDITIONS.
- ALTERNATIVE STABILIZATION MEASURES INCLUDE, BUT ARE NOT LIMITED TO: ANCHORED STRAWMULCH, WOOD CELLULOSE FIBER MULCH, SPRAY-ON SOIL GLUES/BINDERS, AND ROLLED EROSION CONTROL PRODUCTS.
- ALL ROLLED EROSION CONTROL PRODUCTS SHALL HAVE CURRENT (ODQRTM) STATUS ISSUED BY THE EROSION CONTROL TECHNOLOGY COUNCIL (ECTC) PLUS ANY STATE OR AGENCY-SPECIFIC REQUIREMENTS. EVIDENCE OF (ODQRTM) APPROVAL SHALL ACCOMPANY THE PRODUCT SHIPPED TO THE JOBSITE FOR READY IDENTIFICATION BY THE CONTRACTOR OR AGENCY INSPECTOR.
- ROLLED EROSION CONTROL PRODUCTS (NETS, BLANKETS, TURF REINFORCED MATES) AND VEGETATED AREAS NOT MEETING REQUIRED VEGETATIVE DENSITIES FOR FINAL STABILIZATION MUST BE INSPECTED DAILY. FILING, FLUTTING AND OTHER SIGNS OF EROSION INDICATE THE SPECIFIED EROSION CONTROL DEVICE IS NOT FUNCTIONING OR INSTALLED IMPROPERLY AND/OR ADDITIONAL EROSION CONTROL DEVICES ARE WARRANTED.
- ROLLED EROSION CONTROL PRODUCTS MUST BE INSTALLED AND ANCHORED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS. NORTH AMERICAN GREEN S150 IS RECOMMENDED ON ALL SLOPES GREATER THAN 3:1 AND WITHIN TEMPORARY EROSION BMPs SUCH AS DIVERSION BIKES, DIVERSION CHANNELS, SEDIMENT TRAPS, SEDIMENT BASINS, ETC.
- GC TO IMPLEMENT TEMPORARY STABILIZATION AS FOLLOWS: 1) BROADCAST SEED OVER DISTURBED AREA 2) INSTALL NORTH AMERICAN GREEN S150 PER MANUFACTURER INSTRUCTIONS, AND 3) WATER AREA IN ACCORDANCE WITH THE 02900 SPECIFICATION IN ORDER TO GERMINATE AND ESTABLISH VEGETATION.
- TEMPORARY SEED MIX SHALL BE SELECTED BASED ON BELOW CHART:

DATE RANGE	STABILIZATION TECHNIQUE	SEED WEIGHT / 1,000 SF
MARCH 15 - AUGUST 31	100% FESTUCA RUBRA GRASS	5LBS
SEPTEMBER 1 - MARCH 14	100% ANNUAL RYE GRASS	5LBS

**TS** TEMPORARY SEEDING OR STABILIZATION

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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 SHOULD 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 SOO 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.).
- SEEDED AREAS SHALL BE PROTECTED WITH STRAW MULCH, HYDRAULIC MULCH OR A ROLLED EROSION CONTROL PRODUCT. STRAW MULCH MUST BE TACKIFIED OR CRUMPED BY DSC 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 SEEDDED MUST MEET TOPSOIL DEPTH, PH AND ORGANIC CONTENT REQUIREMENTS. SEE 02900 SPECIFICATION FOR INSTRUCTION ON PROPER SEEDING REQUIREMENTS.
- FINAL SITE STABILIZATION IS ACHIEVED WHEN PERENNIAL VEGETATIVE COVER PROVIDES PERMANENT STABILIZATION WITH A UNIFORM DENSITY GREATER THAN 80 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.

**LD SD PS** PERMANENT SEEDING, SOD, OR MULCHING

LAST REVISED: **WALMART STANDARD DETAIL**  
JUNE 2012

NOTES:

- THE GC SHALL DESIGNATE AREAS ON THE SITE MAPS FOR EQUIPMENT CLEANING, MAINTENANCE, AND REPAIR. THE GC AND SUBCONTRACTORS SHALL UTILIZE SUCH DESIGNATED AREAS. CLEANING, MAINTENANCE, AND REPAIR AREAS SHALL BE PROTECTED BY A TEMPORARY PERIMETER BERM, SHALL NOT OCCUR WITHIN 150 FEET OF ANY WATERWAY, WATER BODY OR WETLAND, AND SHALL OCCUR IN AREAS LOCATED AS FAR AS PRACTICAL FROM STORM SEWER INLETS. DRIP PANS SHALL BE USED FOR VEHICLE MAINTENANCE ACTIVITIES AND RESULTANT WASTES SHALL BE DISPOSED OF IN ACCORDANCE WITH THE HAZARDOUS MATERIAL MANAGEMENT AND SPILL REPORTING PLAN NOTES INCLUDED ON THIS PLAN SHEET.
- USE OF DETERGENTS FOR LARGE SCALE WASHING IS PROHIBITED (FOR EXAMPLE, WASHING VEHICLES, BUILDINGS, PAVEMENT SURFACES, ETC.). ALL WASH WATER SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.

DEVELOPER/OWNER:  
WAL-MART REAL ESTATE BUSINESS TRUST  
702 SW 8TH STREET, MAIL STOP 0505  
BENTONVILLE, AR 72716-0505  
479-204-3314

SITE OPERATOR/GENERAL CONTRACTOR:  
  
SUPERINTENDENT:

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



CEI ENGINEERING ASSOCIATES, INC.  
710 W PINEDALE AVE  
FRESNO, CA 93711  
PHONE: (559) 447-3119  
FAX: (559) 447-3129

FUEL STATION #4335  
11550 MERIDIAN MARKET VIEW  
FALCON, CO



PROFESSIONAL OF RECORD	TAB
PROJECT MANAGER	JPD
DESIGNER	JSC
CEI PROJECT NUMBER	32639
DATE	5/31/2023
REVISION	REV-0

SWPPP DETAIL  
SHEET 3  
SHEET TITLE  
SHEET NUMBER

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