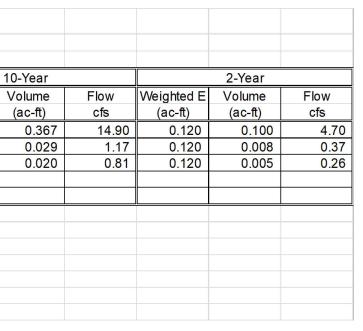


Weighted E Method

Zone #1																
Developed Ba	sins															
													100-Year			1
Basin	Area	Area	Area	Treatment A		Treatment B		Treatment C		Treatment D		Weighted E	Volume	Flow	Weighted E	1
	(sf)	(acres)	(sq miles)	%	(acres)	%	(acres)	%	(acres)	%	(acres)	(ac-ft)	(ac-ft)	cfs	(ac-ft)	
Overall	435600.00	10.000	0.01563	0%	0	0%	0.000	100%	10	0%	0.000	0.990	0.825	28.70	0.440	1
N & E Swale	34200.00	0.785	0.00123	0%	0	0%	0.000	100%	0.785124	0%	0.000	0.990	0.065	2.25	0.440	1
WSwale	23790.00	0.546	0.00085	0%	0	0%	0.000	100%	0.546143	0%	0.000	0.990	0.045	1.57	0.440	
																L
Volume = Weighted D * Total		Area										4 hr Volume =				
											100 yr, 10 day Volume =		35,937	cu.ft.		
Flow = Qa * Aa	a + Qb * Ab + C	0c * Ac + Qd *	* Ad													
											V 10-DAY=	=V6HR+AD(P1	10DAYS-P6HR	)/12 IN/FT		
											P10DAYS	= 3.67 IN				
											P6HR = 2.2	20 IN				



SEE PAGE 2 FOR OFFSITE TRACKOUT AND INLET PROTECTION

NOTICE TO CONTRACTORS

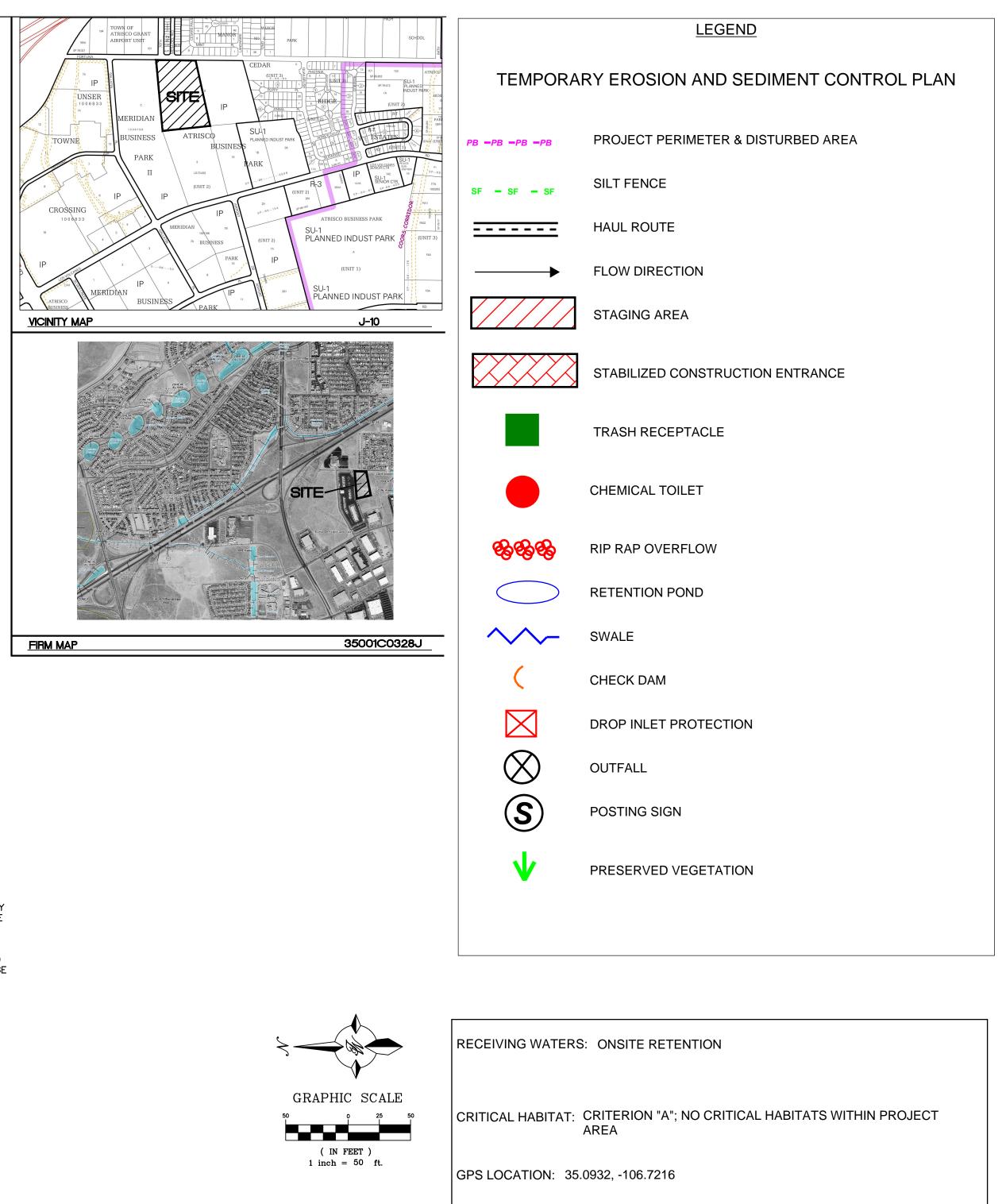
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- 4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONNECTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- 5. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE.
- 6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
- 7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.
- 8. PRIOR TO WORK WITHIN THE COA RIGHT-OF-WAY, A WORK ORDER PERMIT WILL BE REQUIRED
- 9. ALL DISTURBED AREAS MUST BE STABILIZED PRIOR TO ENGINEERS CERTIFICATION FOR CERTIFICATE OF OCCUPANCY
- 10. FUTURE BUILDING AND PAVEMENT AREAS ARE TO BE GRADED IN PHASE 1 TO SUBGRADE ELEVATIONS. THESE AREAS SHALL BE STABILIZED IN PHASE 1 WITH GRAVEL MULCH AS NOTED ON THE LANDSCAPE PLAN. SEE SHEET C-208 FOR ULTIMATE BUILD OUT CONCEPTUAL GRADING AND DRAINAGE PLAN

EROSION CONTROL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- 2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
- 3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- 4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL (CITY) ACCEPTANCE OF ANY PROJECT

### DRAINAGE NOTE

TRACT D IS AN UNDEVELOPED LOT LOCATED OFF FORTUNA RD. THE MASTER DRAINAGE PLAN FOR THE AREA ALLOWS FOR AN ULTIMATE DEVELOPED DISCHARGE RATE OF 0.1 CFS PER ACRE. THE SITE CURRENTLY SLOPES FROM WEST TO EAST. A PROPOSED DIRT TEMPORARY STOCKPILE WILL BE CONSTRUCTED ON THIS SITE. THE STOCKPILE WILL BE CONSTRUCTED WITH 3:1 SIDE SLOPES AND WITH SWALES ON THE NORTH, WEST AND EAST BORDERS THAT WILL CONVEY RUNOFF TO A PROPOSED RETENTION POND ALONG THE SOUTH BORDER. THE RETENTION POND IS SIZED FOR A 100-YR 10-DAY STORM WITH AN EMERGENCY OVERFLOW TO THE EAST, FOR INTERIM CONDITIONS. PERMANENT GRADING AND DRAINAGE WILL BE DETERMINED WITH THE FUTURE DEVELOPMENT OF THE SITE.





CPESC

ASSANDRA DUR

03/12/2020

**CPESC Stamp** 

FEDEX STOCKPILE

PROJECT TITLE

ALBUQUERQUE, BERNALILLO COUNTY, NM

DATE

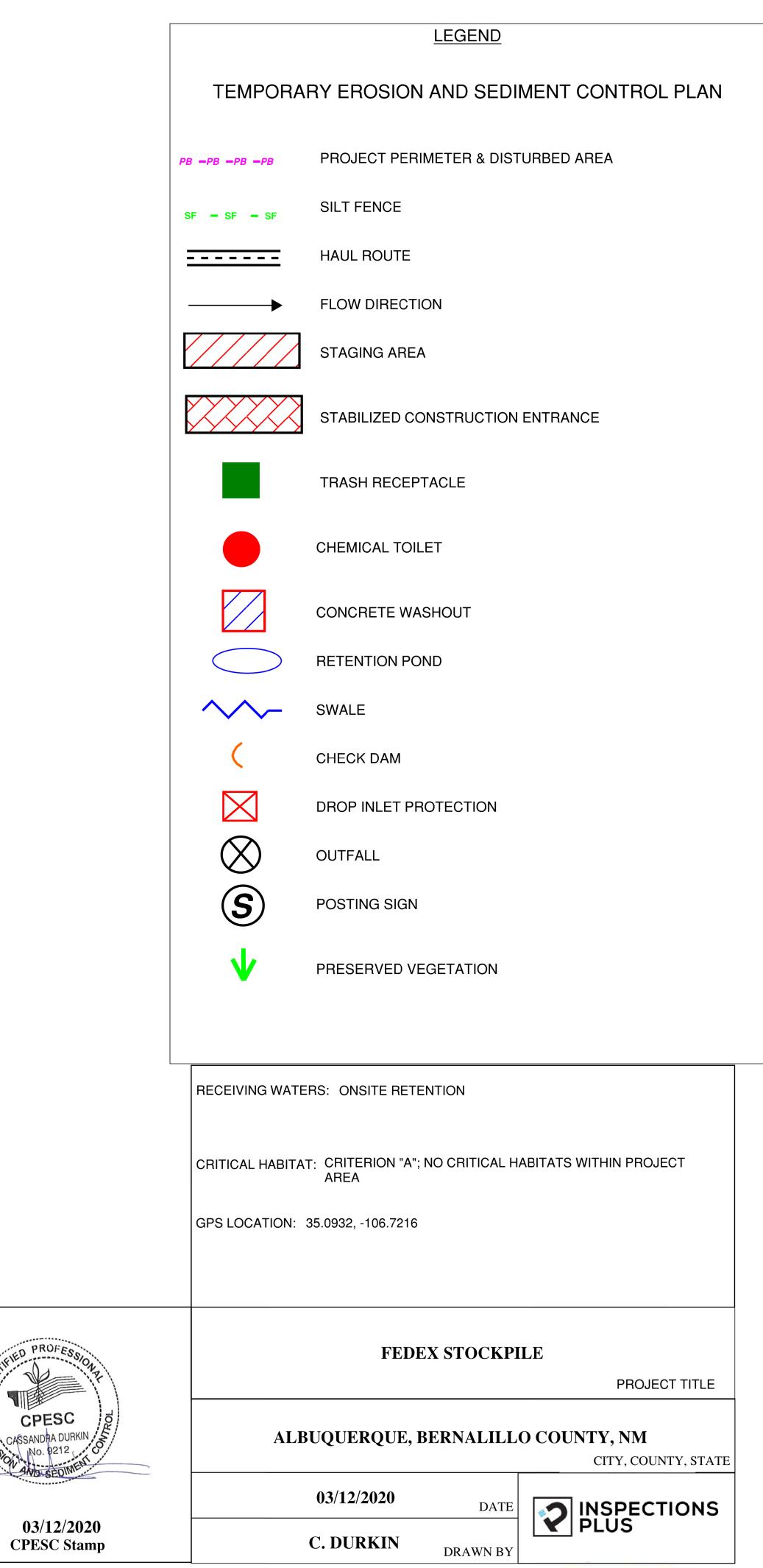
CITY, COUNTY, STATE

03/12/2020

C. DURKIN DRAWN BY 

**ILLUSTRATION TO SHOW LOCATION OF** OFFSITE TRACKOUT PAD AND INLET PROTECTION





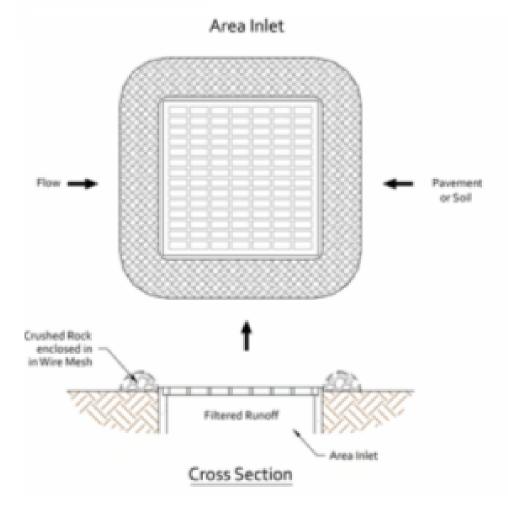
### SILT FENCE

### **INLET PROTECTION**









# **BMP** Objectives

- Sediment Control
- Sheet Flow Runoff Control



## **BMP Objectives**

- Sediment Control ullet
- $\bullet$
- $\bullet$

## SEDIMENT TRACK OUT CONTROL



**BMP** Objectives Sediment Control  $\bullet$ 

Sheet Flow Runoff Control Wind Erosion Control

### MULCH SOCK/STRAW WATTLE



## **BMP** Objectives

- Sediment Control
- Reduce Runoff Velocity
- Inlet Protection

## **BERMS AND SWALES**



## **BMP Objectives**

- Runoff Control  $\bullet$
- **Run-on Diversion**  $\bullet$



1. All perimeter erosion and sediment control measures shall be installed prior to the execution of any grading work and shall be maintained for the duration of the project. Failure to install and maintain erosion controls is a violation of the Federal Permit and is subject to fines.

2. All Erosion and Sediment Control (ESC) work on these plans, except as otherwise stated or provided hereon shall be permitted, constructed, inspected, and maintained in accordance with:

- a. The City Ordinance § 14-5-2-11, the ESC Ordinance
- b. The EPA's 2017 Construction General Permit (CGP), and
- c. NMDOT's August 2012 BMP Manual, Appendix A

3. Sediment collected behind sediment filters and Silt Fences shall be removed when sediment reaches 1/3 the height of the barrier.

4. Routine Self-Inspections are required to review the project for compliance with the City Ordinance and the Construction General Permit according to the receiving water for the site. For sites that discharge to Sensitive Waters, inspection of erosion and sediment controls and other protective measures are required once every 7 and within 24 hours of Storm Events that produce 0.25 inches or more. All other sites must conduct Self-Inspections once every 14 days and within 24 hours of Storm Events that produce 0.25 inches or more. All inspections shall continue until the site construction has been completed and the site is determined stabilized by the City. Reports of these inspections shall be kept by the person or entity authorized to direct the construction activities on the site.

5. Erosion and Sediment control measures shall be removed following construction or upon permanent stabilization of the disturbed/graded areas, whichever occurs last.

6. All disturbed areas that are not to be paved shall be reseeded. Unless otherwise specified, Native Grass Seeding and mulch per COA STD 1012 is required for final stabilization prior to removal of BMPs and discontinuation of inspections.

7. The Contractor shall keep the site clean at all times and control dust resulting from earthwork operations. The Contractor shall not track mud or sediment from the site onto the public streets.

RECEIVING WATERS: ONSITE RETENTION

CRITICAL HABITAT: CRITERION "A"; NO CRITICAL HABITATS WITHIN PROJECT AREA

GPS LOCATION: 35.0932, -106.7216



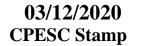
FEDEX STOCKPILE

PROJECT TITLE

ALBUQUERQUE, BERNALILLO COUNTY, NM

CITY, COUNTY, STATE

03/12/2020



C. DURKIN

DRAWN BY

DATE