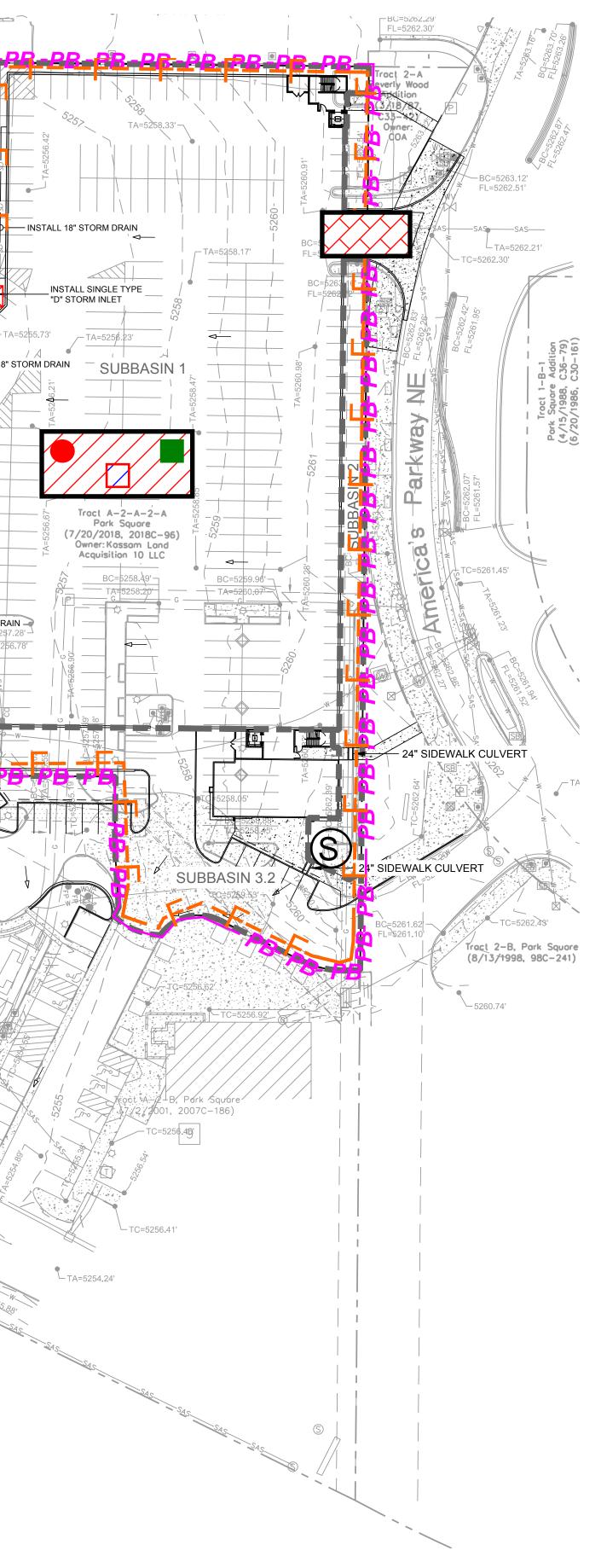
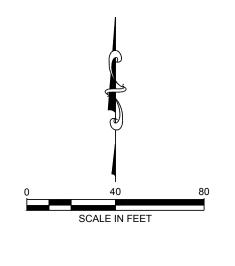
pllowing calcualtions are based on Albuquerque's Development Process Manual, Seciton 22.2	WQ Pond 1 TA=5254.87'   Elev. Area (Sq. Ft.) Vol (Cu. Ft.) Cum. (Cu. Ft.)
<b>/ff Rate:</b> ment Type Areas	5,255 84 0 0   5,256 269 177 177
SubbasinArea_A (ac)Area_B (ac)Area_C (ac)Area_D (ac)Total (ac)obasin 1 $0.00$ $0.06$ $0.06$ $1.69$ $1.81$	5,257 555 412 589   5,258 941 748 1,337
obasin 2 0.00 0.05 0.05 0.00 0.10	TC=5255.36'
obasin 3.1 0.00 0.02 0.02 0.09 0.13   obasin 3.2 0.00 0.02 0.02 0.32 0.36	
al 0.00 0.15 0.28 2.09 2.40	
Discharge values based on Zone 3 from Table A-9 $Q_A = 1.87 \text{ cfs/ac}$ $Q_B = 2.60 \text{ cfs/ac}$ $Q_C = 3.45 \text{ cfs/ac}$ $Q_D = 5.02 \text{ cfs/ac}$	
Discharge calculation for a 100-yr, 24-hr storm event from equation A-10	
Subbasin Discharge (cfs)	
bbasin 1 8.8   bbasin 2 0.3	
obasin 3.1 0.6   obasin 3.2 1.7	
al 11.4	
r Quality: ired Water Quality volume for first flush of 0.34''	
Subbasin Volume (cu. ft.)	
obasin 12081obasin 20	
obasin 3.1 107   obasin 3.2 392	
al 2581	- INSTALL 18" STORM DRAIN -
	warner i start
	SUBBASIN 3.1
	TA=5255.1 INSTALL 18" STOP
SAS TA=5251265251 TEMPORARY CONSTRUCTION	
-5250	
	BC=5254.97
5250 + + + + + + + + + + + + + + + + + + +	
TEMPORARY PARKING AND ACCESS TO BE REMOVED UPON	
CONSTRUCTION COMPLETION	
$W = \frac{1}{1} \frac{1}{3} $	- 59 521 121 - 59 52 121 121 - 59 52 121 121 - 71,798 Sg. FX.
	W 1.6#83/Acres
VOLU	JME = 1,244 CF
- VOLL	
WQ POLICE AND THE SECOND	$T_{A=5253,41}$
	$SA_{2}$
	$\frac{1}{545}$
	Inter sister with the state
	State
18" STORM DRAIN MANNING'S CALCULATION	Interstate 1-40
<u>Circular Channel</u> Input	
Flow 8.8 cfs Slope 0.01 ft/ft	nent " 2_J18 "
Manning's n 0.013 Diameter 18 in NAD 1983	CENTRAL ZONE
Output $Y = 1542482$ Y = 1489914	
Flow Area 1.32 sf $Z=5261.29$	* (NAVD 1988)
Velocity Head 0.689 ft Mapping And	$g/e = -0^{\circ}11'17.64''$
Top Width 1.37 ft *U.S. SURVE	



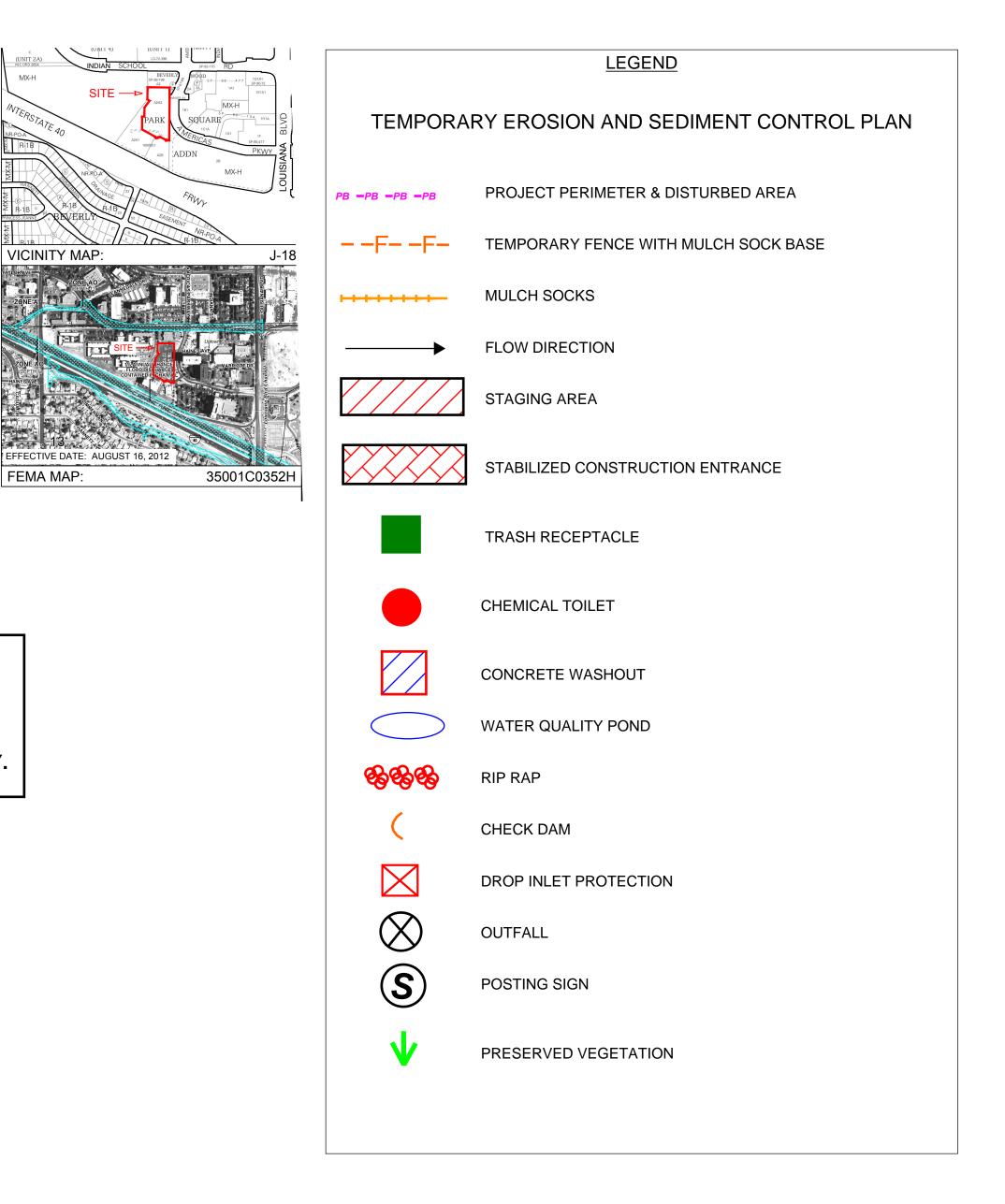




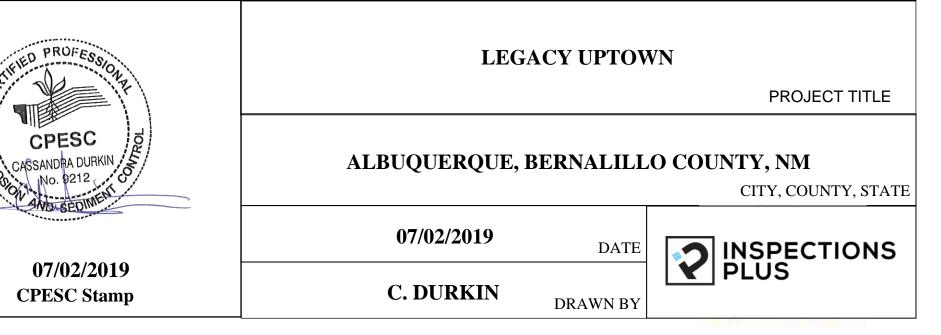
(UNIT 2A) VAC ORD 2654

SITE WILL HAVE A PERIMETER **CONSTRUCTION FENCE WITH** MULCH SOCKS PLACED AT THE BASE. TRACKOUT WILL BE CONTROLED BY SWEEPING DAILY.





RECEIVING WATERS: RIO GRANDE 2105\_50 TIER II AND IMPAIRED WITH E. COLI, PCBs IN FISH TISSUE, AND DISSOLVED OXYGEN CRITICAL HABITAT: CRITERION "A"; NO CRITICAL HABITATS WITHIN PROJECT AREA GPS LOCATION: 35.1007, -106.5726



Curb Storm Inlet Protection with Wattles

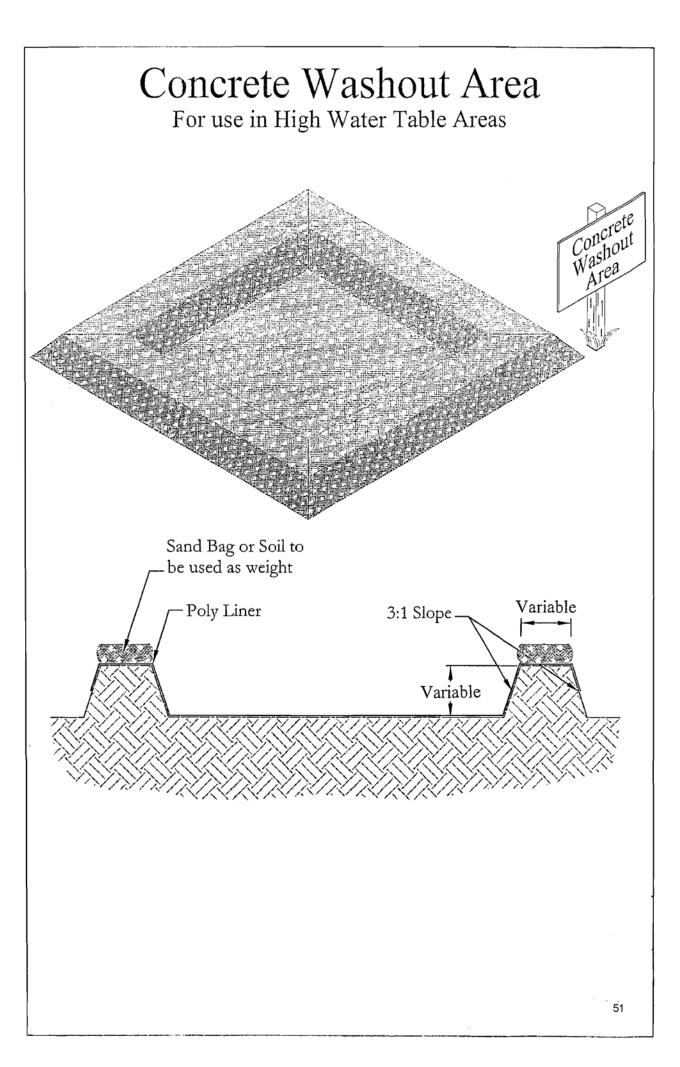












## Inlet Filter Installation Instructions:

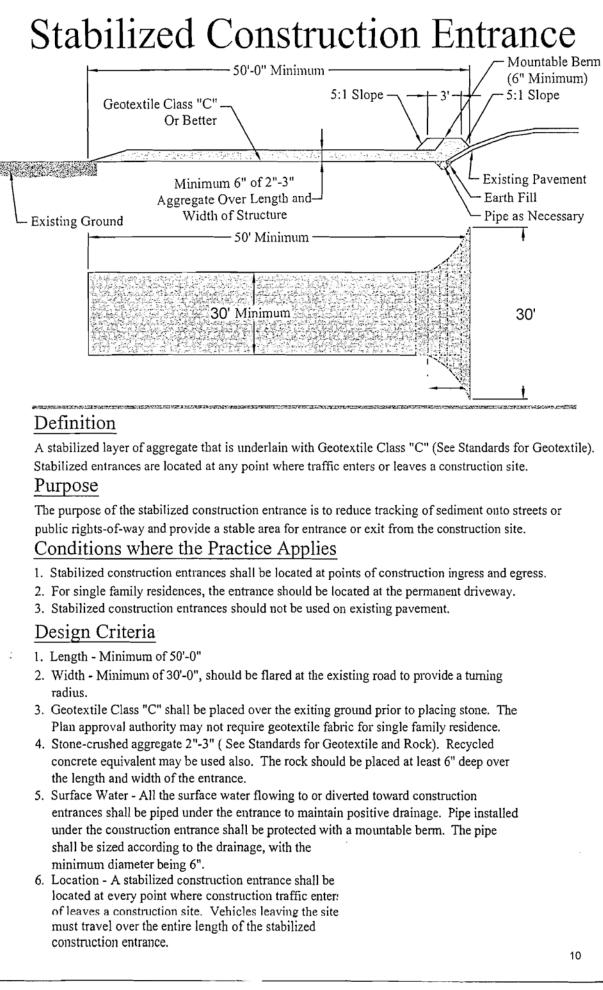


2. Verify fit by placing filter over inlet grate to ensure that Inlet Filter extends at least one inch beyond the front and both curb ends. The overlap slows water flow and starts filtering sediment and debris before water drops into the inlet.

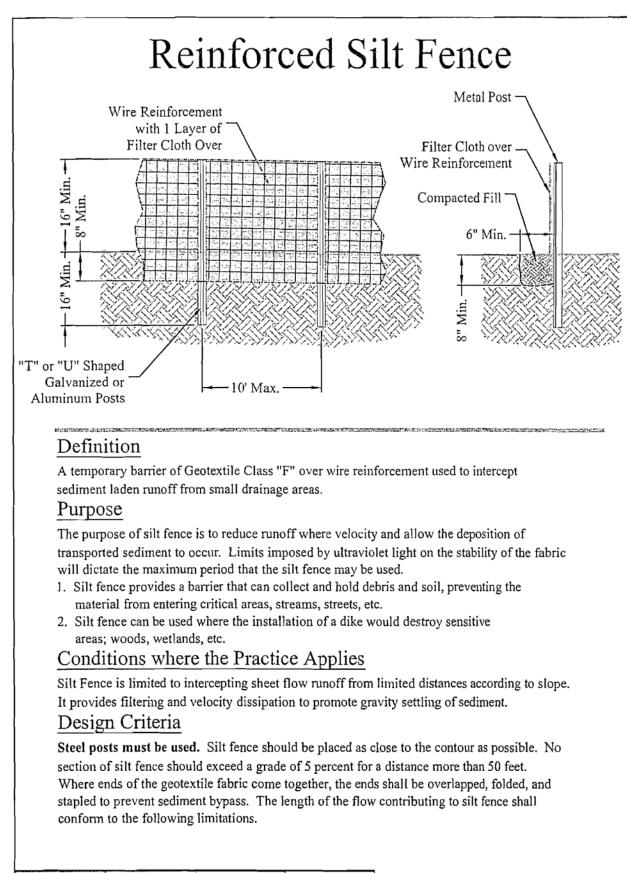


3. Position the mat. Place Inlet Filter on grate with the net side down, flush to the back edge and extending beyond the grate opening on the front and both sides. The zip ties attach Inlet Filter to the inlet grate cover WITHOUT LIFTING THE GRATE COVER.

4. The filter material covering the inlet can be any material that will prevent the sediment and other foreign matter from entering the

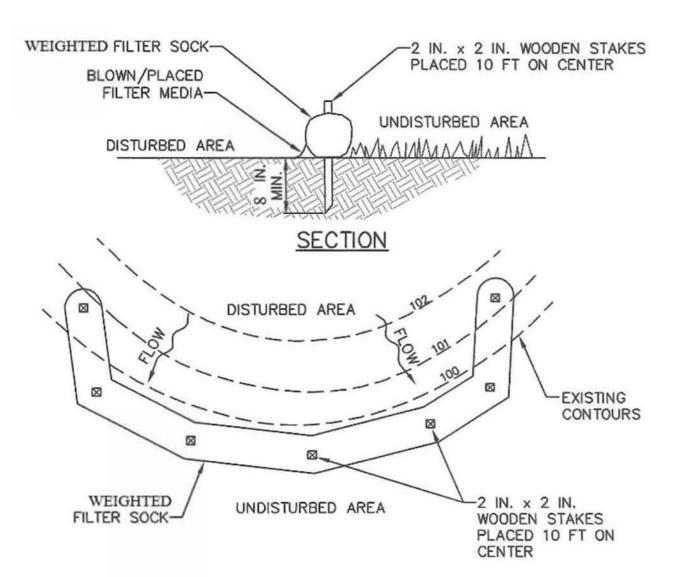


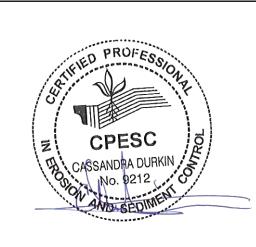
1. Remove sediment, debris, ice and snow from the inlet grate surface and surrounding area.



Slope (%)	Slope Steepness	Slope Length (Ft.) (Maximum)	Silt Fence Length (Ft.) (Maximum)
0-10	0-10:1	Unlimited	Unlimited
10-20	10:1-5:1	200	1,500
20-33	5:1-3:1	100	1,000
33-50	3:1-2:1	100	500
50 +	2:1 +	50	250

## storm drain system.





## Erosion Control Notes

1. All perimeter erosion and sediment control measures shall be installed prior to the execution of any grading work and maintained by the grading contractor for the duration of the grading project. Failure to install and maintain erosion control is a violation of State Law and subject to fine.

2. The appropriate erosion control devise(s) shall be installed prior to the inception of any land disturbing activity and shall be properly maintained for construction activities.

3. All Erosion Control devices and their installation shall meet the standards prescribed in the current guidelines for storm water management for construction activities.

4. Sediment collected behind the sediment filters and silt fences shall be removed when sediment reaches on third the height of the barrier.

5. Inspection of erosion and sediment control and other protective measures are required once every 7 days from July 1st to October 31st and once every 14 days from November 1st to June 30th and after a precipitation event of <sup>1</sup>/<sub>4</sub> inch or greater until the site is considered stabilized by the City. Inspection reports are to be kept by the person or entity authorized to direct construction activities on the site

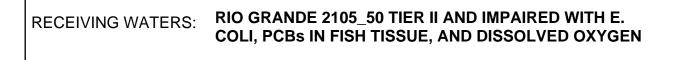
6. Construction Site Entrance: The contractor shall construct as a minimum one stabilized construction entrance at the location shown on the plans. If additional ingress and egress to the construction site is required, the contractor shall coordinate with the construction manager the location of these additional stabilized construction entrances. Usage of non-stabilized for ingress and egress will not be permitted. The stabilized entrances shall be maintained in a condition which will prevent tracking or flowing of sediment onto public right-of-way and paved driving lanes. This may require periodic top dressing with additional stone as conditions warrant. Repair of the entrances or cleaning of the right-of-way and paved driving lanes that have been soiled shall be performed by the contractor at his own expense satisfactory to the construction manager. When necessary, vehicle wheels and tires shall be cleaned to remove sediment prior to entering onto public right-of-way and public streets. When washing is required, it shall be done on an area stabilized with crushed stone.

7. The contractor shall at his own expense, periodically water the site to control dust.

8. Sedimentation and erosion control measures shall be removed following construction or upon permanent stabilization of the disturbed and graded areas, whichever occurs last.

9. All disturbed areas that are not to be paved shall be re-seeded unless noted otherwise.

10. The contractor shall deep the site clean at all times and control dust resulting from the earthwork operation. The contractor shall not track mud onto the public streets.



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

GPS LOCATION: 35.1007, -106.5726

LEGACY UPTOWN

PROJECT TITLE

ALBUQUERQUE, BERNALILLO COUNTY, NM

CITY, COUNTY, STATE



07/02/2019 **CPESC Stamp**  07/02/2019

C. DURKIN

DRAWN BY