# Stormwater Quality Plan Information Sheet

### and Inspection Fee Schedule

Project Name:			<del></del>
Project Location: (ad	ldress or major cross stre	ets/arroyo)	
Plan Preparer Inform			
Company:			
Contact:			
Address:			
Phone Number: (O)		(Cell (optional))	<del></del>
e-Mail:			
Owner Information:			
Company:			<del></del>
	ESC plan to obtain appi		
	T T T T T T T T T T T T T T T T T T T		
•	ling PermitWork Or		
Note: More than one item of	can be checked for a submittal		
Stormwater Quality 1	I <b>nspection fee:</b> (based on a	development type and disturbed	(area)
Commercial	< 2 acres \$300	2 to 5 acres \$500	>5 acres \$800
Land/Infrastructure	< 5 acres \$300	5 to 40 acres \$500	
Multi - family	< 5 acres \$500	>5 acres \$800	7 10 <b>ucres</b> \$000
Single Family	<5 acres \$500	5 to 40 acres \$1000	> 40 acres \$1500 <b></b>
Residential			
Plan Review fee is \$10	)5 for the first submittal (	and \$75.00 for a resul	omittal 🗖
Total due equals the pl	an review fee plus the St	cormwater Quality Inspecti	ion fee.
Total Due \$			
If you have questions, pleas	se contact Curtis Cherne. Stor	mwater Quality 924-3420, cche	erne@caba.gov
Rev May 2019	, 500	( ,	10

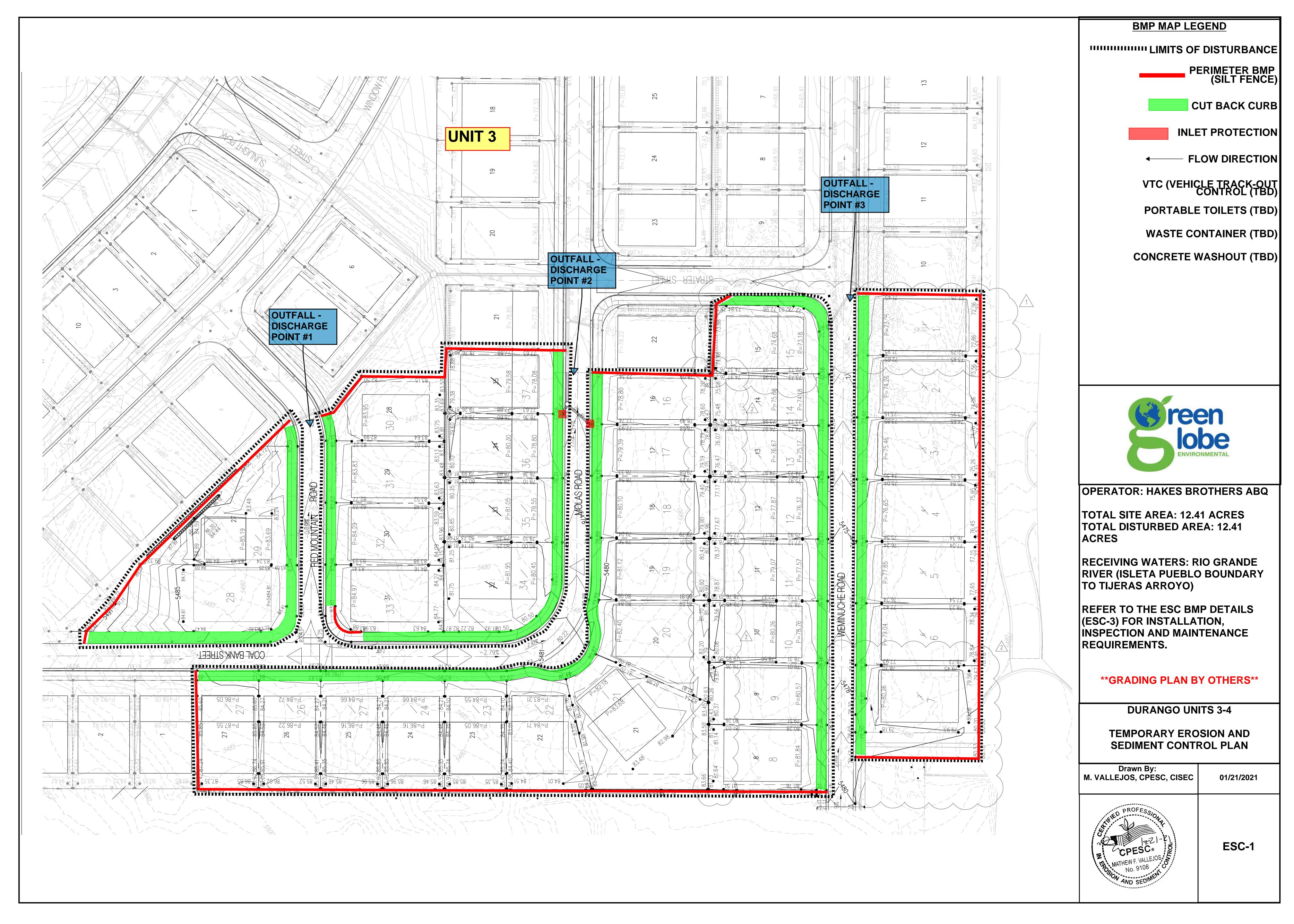


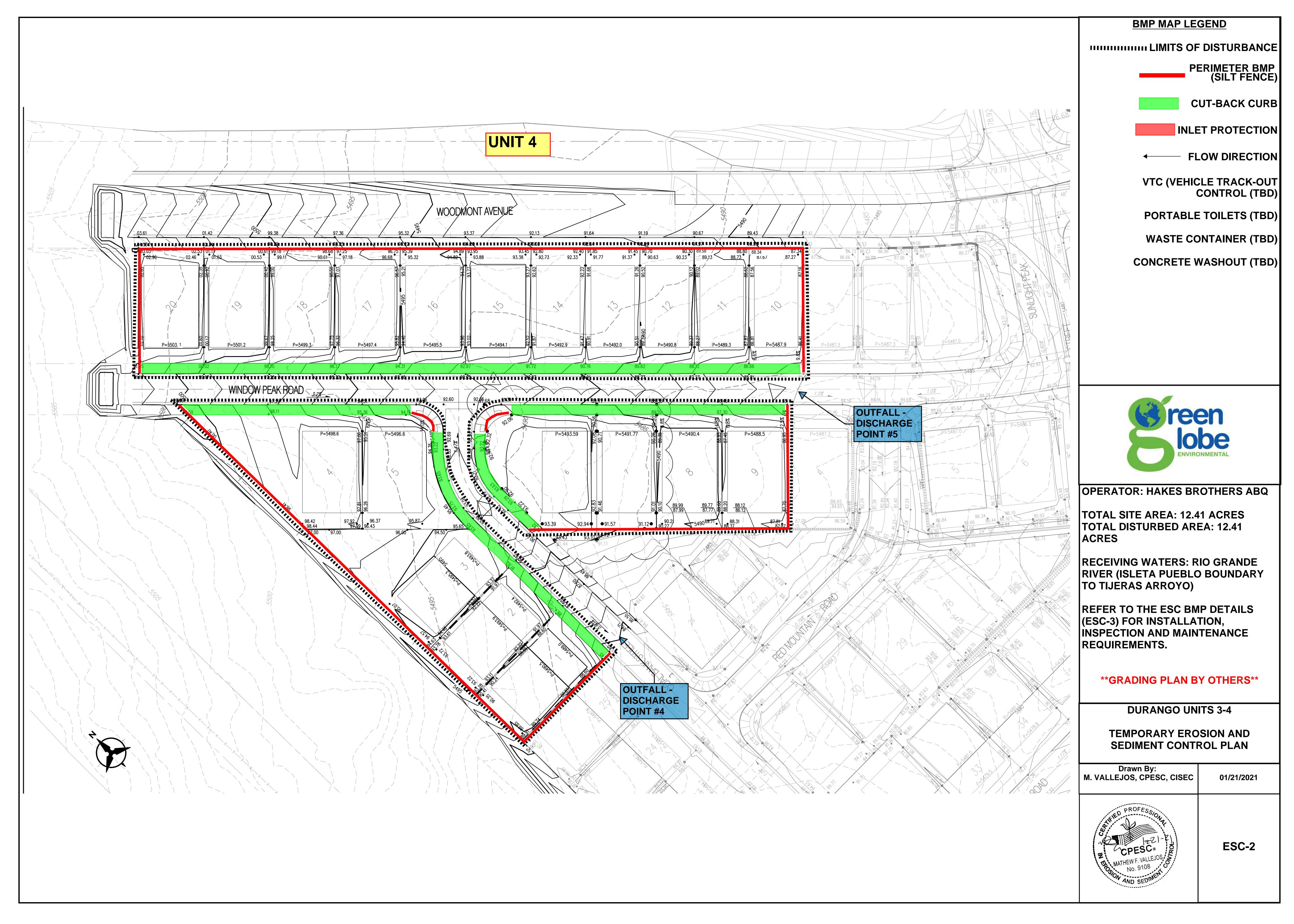
# City of Albuquerque

# Planning Department

### Stormwater Control Permit for Erosion and Sediment Control

Project Title
Project Location (Major Cross Streets/Arroyo or address)
<b>Property Owner:</b> (Note: If applying for a Building Permit, the "Company" or "Owner" name on this form must match the "Owner" name on the Building Permit.)
Company Name or Owner Name:
Responsible Person: (Note: Name below may be the same as Owner Name above if there is no Company Name Name:
Phone Number:
E-mail:
Site Contact: (if different than Property Owner info above.)
Name:
Phone:
e-mail:
For City personnel use only:
City Personnel Signature:Date
(Rev June 2017)





Silt Fence Detail

### Non-woven Silt Fence

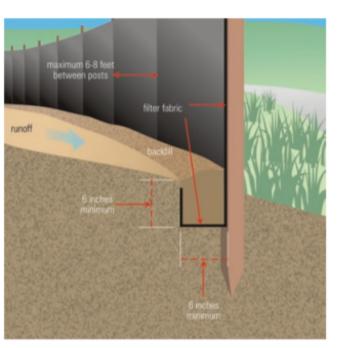
A silt fence is a temporary sediment barrier consisting of a geotextile attached to supporting posts and trenched into the ground. Intended to retain sediment that has been dislodged by stormwater.

Use silt fence as a perimeter control particularly at lower or down slope edge of a disturbed area. Leave space for maintenance between slope and silt fence or roll. Trench in the silt fence on the uphill side (6 in deep by 6 in wide). Install stakes on the downhill side of the fence. Curve silt fence up-gradient to help it contain runoff.

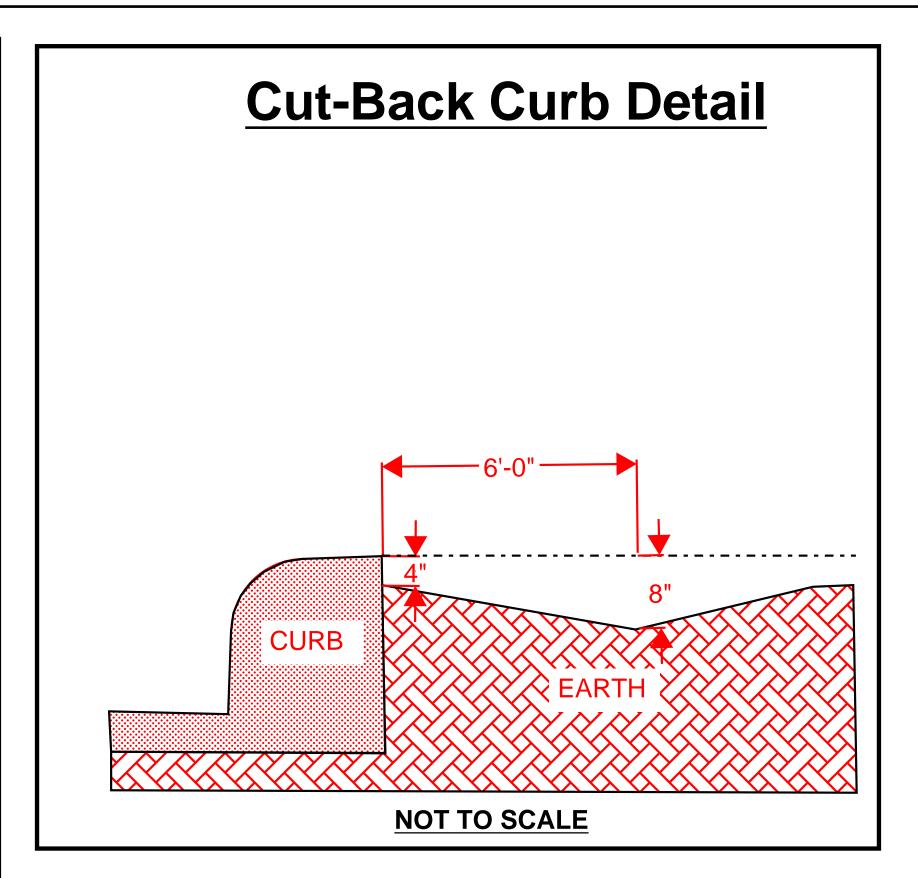
To maintain remove sediment when it reaches one-third of the height of the fence. Replace the silt fence where it is worn, torn, or otherwise damaged. Retrench or replace any silt fence that is not properly anchored to the ground. If the silt fence cannot be toed in properly due to existing hard surface, place mulch filter sock at base to prevent sediment from leaving site.

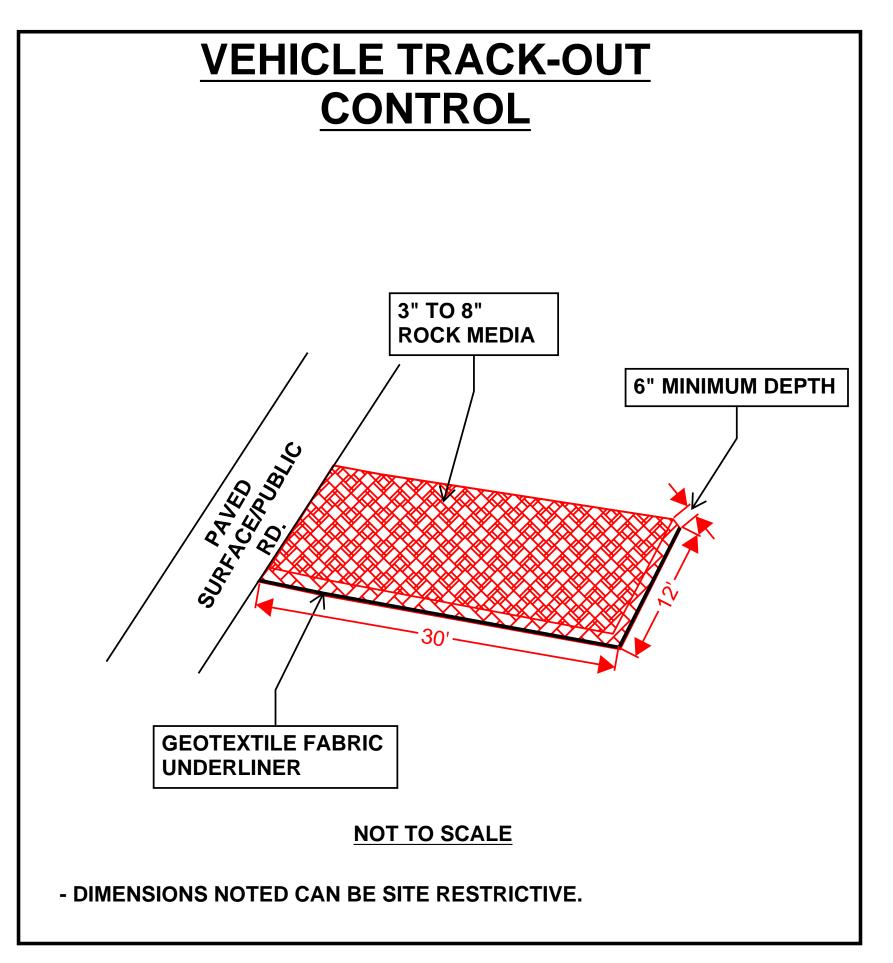
8' max wood stake spacing and 10' max spacing for steel T-post.

Silt Fence Installation



Source: USEPA Guide for Construction Site





### ESC Plan Standard Notes (2020-07-16)

- 1. 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. The City Of Albuquerque Construction BMP Manual.
  2. All BMP's must be installed prior to beginning any earth moving activities except as
- specified hereon in the Phasing Plan. Construction of earthen BMP's such as sediment traps, sediment basins, and diversion berms shall be completed and inspected prior to any other construction or earthwork. Self-inspection is required after installation of the BMPs and prior to beginning construction.
- 3. Self-inspections At a minimum a routine compliance self-inspection is required to review the project for compliance with the Construction General Permit once every 14 days and after any precipitation event of 1/4 inch or greater until the site construction has been completed and the site determined as 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.
- 4. BMPs shall be inspected and maintained until all disturbed areas are stabilized in accordance with the Final Stabilization Criteria (CGP 2.2.14.b). Generally, all disturbed areas, other than structures, must have uniform perennial vegetation that provides 70 percent or more of the cover provided by native vegetation or seed the disturbed area and provide non-vegetative mulch that provides cover for at least three years without active maintenance. Final stabilization must be documented on self-inspection reports and approved by the City of Albuquerque prior to removal of BMPs and discontinuation of inspections.

# Coir Mat Inlet Protection



UV Resistance (ASTM D 4355 – 500 hour exposure) Tensile Properties (ASTM D 5035/ECTC)

(4 inch wide strip specimen)

500 Hour Exposed Properties

MD – Elongation @ Max Load (%)

TD - Elongation @ Max Load (%)

esiliency (ASTM D 6524)

Mass/Unit Area (ASTM D 6565)

nolder Resistance (ECTC)

Pre-loading thickness (mils)

% change

Post-loading thickness (mils)

ss/unit area (oz/sq. yd)

/lass/unit area (g/sq. meter)

Maximum Burn Distance (in)

MD – Maximum Load (ppi)

TD – Maximum Load (ppi)

<b>Baseline Properties</b>	
MD – Maximum Load (ppi)	
TD – Maximum Load (ppi)	
MD – Elongation @ Max Load (%)	
TD – Elongation @ Max Load (%)	27.7

Light Penetration (ECTC Guidelines)

Baseline Reading 125

Reading with sample 10

% Light Penetration <8

Swell (ECTC)

Dry thickness (mils) 1984

Thickness after soak (mils) 2098

% change 6

Water Absorption (ASTM D 1117/ECTC)

Pre-soak Weight (grams)

Flow Rate (liter/minute)

Post-Soak (grams)

Weight change (grams) 82
% Weight Change 119

Sediment Control (ASTM D 5141)
Test material: Sand sieved thru No. 10 sieve
Filtering Efficiency (%) 40.8

150

# GRAVEL BAG INLET PROTECTION



Inlet gravel bags are manufactured on site to fit in the gutter pan on the upstream side of the inlet. Filled with smooth rounded pea gravel. The ends are sealed with  $\frac{1}{2}$ " #12 hog rings. The gravel bags are connected together with the hogs to help create weight and stability.

FABRIC PHYSICAL SPECIFICATIONS:

Property Test Method Woven (typical) 5 oz/sq./yd. ASTDM D-5261 Fabric Weight 350/220 lbs. ASTDM D-4632 Grab Tensile (MD/TD) ASTM D-4533 Trapezoid Tear (MD/TD) 146/75 lbs. ASTM D-4833 112 lbs. Puncture 388 psi. Mullen Burst ASTM D-3786 UV Resistance (2000hrs) ASTM D-4355 >70% 195 gpm/sq-ft Water Flow ASTM D-4355 High Density Polyethylene Material

THE ABOVE VALUES ARE M.A.R.V. (minimum average roll values)

# TYPICAL CONCRETE WASHOUT-BELOW GRADE



- Install appropriate signage to inform concrete equipment operators of the proper washout location.
- An appropriate stabilized entrance shall be installed where applicable. The length and width of the stabilized entrance may vary based on size and location of the washout.
- Washout facilities must be sized to contain washout water and solids.
- Typical dimensions are 10 feet long by 10 feet wide but may vary upon site limitations.
- Pit shall be delineated with Orange Filter Sock and A-Framed staked.
- The pit shall be lined with 10mil (minimum) polyethylene impermeable liner on the bottom and sides overlapping the top edges completing a leak-proof container.

### **EROSION CONTROL NOTES**

EROSION CONTROL SCHEDULE AND SEQUENCING. SEE SWPPP PLAN FOR OPERATOR RESPONSIBLE FOR EACH CONTROL MEASURE LISTED AND BMP DETAILS.

- ROUGH GRADING INSTALL SILT FENCE OR STRAW WATTLE, STABILIZED CONSTRUCTION ENTRANCE AND SEDIMENT PONDS WHERE PRACTICAL. INSTALL BEFORE GRADING IF POSSIBLE; IF NOT, THEN CONCURRENT WITH MAJOR GRADING. WATER SHALL BE APPLIED TO STABILIZE DISTURBED AREAS.
- 2. <u>UTILITY INSTALLATION</u> MAINTAIN SOIL EROSION MEASURES DURING BUILDING CONSTRUCTION AND UTILITY INSTALLATION. WATER SHALL BE APPLIED FOR SOIL STABILIZATION AS NECESSARY. WHEN INSTALLING UTILITIES BEHIND THE CURB, DIRT SHOULD NOT BE
- 3. <u>HOME CONSTRUCTION</u> INSTALL SILT FENCE AT THE BACK OF CURB OR CUT BACK CURB PER DETAIL THIS SHEET DURING HOME CONSTRUCTION. WATER SHALL BE APPLIED FOR SOIL STABILIZATION AS NECESSARY.
- 4. <u>FINAL STABILIZATION</u> FINAL STRUCTURAL AND STABILIZATION CONTROLS INSTALLED PER APPROVED CONSTRUCTION AND LANDSCAPING DRAWINGS (REFERENCED BY SWPPP PLAN).

### DURING CONSTRUCTION STORMWATER CONTROL NOTES:

- 1. STABILIZED CONSTRUCTION ENTRANCES REQUIRED BETWEEN PAVED/UNPAVED TRANSITIONS. LIMIT NUMBER OF ENTRANCES. PLACE STRAW WATTLE ACROSS THE CONSTRUCTION ENTRANCE AT THE END OF EACH DAY.
- 2. SILT FENCE OR STRAW WATTLE TO BE INSTALLED AT INITIAL GRADING FOR TEMPORARY STRUCTURAL CONTROL. SILT FENCE OR STRAW WATTLE MAY BE ATTACHED TO CONSTRUCTION SECURITY FENCING FOR ADDITIONAL STABILITY WHERE NECESSARY.
- 3. ON STREETS WHERE THE LONGITUDINAL SLOPE IS 2.5% OR GREATER, MULCH SOCKS OR A SIMILAR BMP IS REQUIRED IN THE AREA BETWEEN THE CURB AND THE PAD AT REGULAR INTERVALS TO SLOW THE WATER DOWN AND CATCH SEDIMENT.
- 4. DISTURBED AREAS WILL BE WATERED PERIODICALLY FOR TEMPORARY STABILIZATION AND DUST CONTROL.
- 5. MATERIALS STORAGE & EQUIPMENT STAGING AREA MAY BE RELOCATED BASED ON CONTRACTOR PREFERENCE AND CHANGING CONDITIONS AT THE JOB SITE, AS LONG AS POSSIBLE DISCHARGE IS CONTAINED ON SITE.
- 6. LOCATIONS OF TRASH, PORTA-LETS AND CONCRETE WASH-OUT PITS TO BE REDLINED ON THIS DRAWING.
- NO DISCHARGE TO WATERS OF THE U.S. OR LISTED WETLANDS.
   NO OFF-SITE STORAGE OR BORROW AREAS.

# AFTER CONSTRUCTION STORMWATER CONTROL NOTES:

- 1. REFER TO APPROVED CONSTRUCTION DRAWINGS FOR FINAL STRUCTURAL CONTROLS INCLUDE SIDEWALKS, DRIVEWAY AREAS, RUNDOWNS AND DRAINAGE WAYS.
- 2. REFER TO APPROVED LANDSCAPING DRAWINGS OR FINAL STABILIZATION OF DISTURBED AREAS.



OPERATOR: HAKES BROTHERS ABQ

TOTAL SITE AREA: 12.41 ACRES
TOTAL DISTURBED AREA: 12.41 ACRES

RECEIVING WATERS: RIO GRANDE RIVER (ISLETA PUEBLO BOUNDARY TO TIJERAS ARROYO)

REFER TO THE ESC BMP DETAILS (ESC-3) FOR INSTALLATION, INSPECTION AND MAINTENANCE REQUIREMENTS.

**DURANGO UNITS 3-4** 

TEMPORARY EROSION AND SEDIMENT
CONTROL PLAN

M. VALLEJOS, CPESC, CISEC

PROFESSION

CPESC®

CPESC®

No. 9108

No. 9108

Drawn By:

ESC-3

01/21/21

NPDES FORM 3510-9



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460 NOTICE OF INTENT (NOI) FOR THE 2017 NPDES CONSTRUCTION PERMIT

FORM Approved OMB No. 2040-0004

Submission of this Notice of Intent (NOI) constitutes notice that the operator identified in Section III of this form requests authorization to discharge pursuant to the NPDES Construction General Permit (CGP) permit number identified in Section II of this form. Submission of this NOI also constitutes notice that the operator identified in Section III of this form meets the eligibility requirements of Part 1.1 CGP for the project identified in Section IV of this form. Permit coverage is required prior to commencement of construction activity until you are eligible to terminate coverage as detailed in Part 8 of the CGP. To obtain authorization, you must submit a complete and accurate NOI form. Discharges are not authorized if your NOI is incomplete or inaccurate or if you were never eligible for permit coverage. Refer to the instructions at the end of this form.

Permit Information

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NPDES ID: NMR1003L6

State/Territory to which your project/site is discharging: NM

Is your project/site located on federally recognized Indian Country lands? No

Are you requesting coverage under this NOI as a "Federal Operator" as defined in Appendix A (https://www.epa.gov/sites/production/files/2019-05/documents/final\_2017\_cgp\_appendix\_a\_-\_definitions.pdf)?

Nο

Have stormwater discharges from your current construction site been covered previously under an NPDES permit? No

Will you use polymers, flocculants, or other treatment chemicals at your construction site? No

Has a Stormwater Pollution Prevention Plan (SWPPP) been prepared in advance of filling this NOI, as required? Yes

Are you able to demonstrate that you meet one of the criteria listed in Appendix D (https://www.epa.gov/sites/production/files/2017-02/documents/2017\_cgp\_final\_appendix\_d\_-endangered\_species\_reqs\_508.pdf) with respect to protection of threatened or endangered species listed under the Endangered Species Act (ESA) and federally designated critical habitat?

Yes

Have you completed the screening process in Appendix E (https://www.epa.gov/sites/production/files/2017-02/documents/2017\_cgp\_final\_appendix\_e\_-\_historic\_properties\_reqs\_508.pdf) relating to the protection of historic properties?

Yes

Indicating "Yes" below, I confirm that I understand that CGP only authorized the allowable stormwater discharges in Part 1.2.1 and the allowable non-stormwater discharges listed in Part 1.2.2. Any discharges not expressly authorized in this permit cannot become authorized or shielded from liability under CWA section 402(k) by disclosure to EPA, state or local authorities after issuance of this permit via any means, Including the Notice of Intent (NOI) to be covered by the permit, the Stormwater Pollution Prevention Plan (SWPPP), during an Inspection, etc. If any discharges requiring NPDES permit coverage other than the allowable stormwater and non-stormwater discharges listed in Parts 1.2.1 and 1.2.2 will be discharged, they must be covered under another NPDES permit.

Yes

Operator Information

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Operator Information

Operator Name: Hakes Brothers ABQ

Operator Mailing Address:

Address Line 1: 8220 San Pedro Dr. NE

Address Line 2: Unit 410 City: Albuquerque

ZIP/Postal Code: 87113 State: NM

County or Similar Division: Bernalillo

Operator Point of Contact Information First Name Middle Initial Last Name: Chris Hakes Title: Owner Phone: 505-842-1700 Ext.: Email: chris@hakesbrothers.com **NOI Preparer Information** f extstyle extstyleFirst Name Middle Initial Last Name: Mathew Vallejos Organization: Green Globe Environmental Phone: (505) 304-8473 Ext.: Email: matt@greenglobenm.com Project/Site Information Project/Site Name: Durango Units 3-4 Project/Site Address Address Line 1: Woodmont Ave. NW and Sunlight Peak City: Albuquerque Address Line 2: ZIP/Postal Code: 87114 State: NM County or Similar Division: Bernalillo Latitude/Longitude: 35.180925°N, 106.744508°W Latitude/Longitude Data Source: Map Horizontal Reference Datum: WGS 84 Project Start Date: 03/31/2021 Project End Date: 05/31/2023 Estimated Area to be Disturbed: 12.5 Types of Construction Sites: • Single-Family Residential Will there be demolition of any structure built or renovated before January 1, 1980? No Was the pre-development land use used for agriculture? No Have earth-disturbing activities commenced on your project/site? No Is your project/site located on federally recognized Indian Country lands? No Is your project/site located on a property of religious or cultural significance to an Indian tribe? No Discharge Information Does your project/site discharge stormwater into a Municipal Separate Storm Sewer System (MS4)? Yes

Are there any waters of the U.S. within 50 feet of your project's earth disturbances? No Are any of the waters of the U.S. to which you discharge designated by the state or tribal authority under its antidegradation policy as a Tier 2 (or Tier 2.5) water (water quality exceeds levels necessary to support propagation of fish, shellfish, and wildlife and recreation in and on the water) or as a Tier 3 water (Outstanding National Resource Water)? See Appendix F (https://www.epa.gov/sites/production/files/2017-02/documents/2017\_cgp\_final\_appendix\_f -\_tier\_3\_tier\_2\_and\_tier\_2.5\_waters\_508.pdf) 001: Boca Negro Arroyo Latitude/Longitude: 35.176821°N, 106.743956°W Tier Designation: N/A Is this receiving water impaired (on the CWA 303(d) list)? No Has a TMDL been completed for this receiving waterbody? No 002: Rio Grande (Isleta Pueblo boundary to Tijeras Arro **Latitude/Longitude:** 35.146415°N, 106.676415°W Tier Designation: Tier 2 Is this receiving water impaired (on the CWA 303(d) list)? Yes Impaired Pollutants: • E. coli • Dissolv ed oxy gen Has a TMDL been completed for this receiving waterbody? Yes TMDL ID: NM2105 Name: Rio Grande (Isleta Pueblo boundary to Tijeras Arroyo) TMDL Pollutants: • E. coli Stormwater Pollution Prevention Plan (SWPPP) First Name Middle Initial Last Name: Chris Hakes Organization: Title: Owner

Stormwater Pollution Prevention Plan (SWPPP)

First Name Middle Initial Last Name: Chris Hakes

Organization:

Title: Owner

Phone: 505-842-1700 Ext.:

Email: chris@hakesbrothers.com

Using the Instructions in Appendix D of the CGP, under which criterion listed in Appendix D are you eligible for coverage under this permit?

Criterion A

Provide a brief summary of the basis for criterion selection listed above (the necessary content for a supportive basis statement is provided under the criterion you selected.):

Per USFWS official list of threatened and endangered species, all threatened and endangered species critical habitat' are outside the project limits.

#### Historic Preservation

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Are you installing any stormwater controls as described in Appendix E (https://www.epa.gov/sites/production/files/2017-02/documents/2017\_cgp\_final\_appendix\_e\_-\_historic\_properties\_reqs\_508.pdf) that require subsurface earth disturbances? (Appendix E (https://www.epa.gov/sites/production/files/2017-02/documents/2017\_cgp\_final\_appendix\_e\_-\_historic\_properties\_reqs\_508.pdf), Step 1)

Yes

★ Have prior surveys or evaluations conducted on the site already determined historic properties do not exist, or that prior disturbances have precluded the existence of historic properties? (Appendix E (https://www.epa.gov/sites/production/files/2017-02/documents/2017\_cgp\_final\_appendix\_e\_-\_historic\_properties\_reqs\_508.pdf), Step 2):

Yes

#### Certification Information



I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.

Certified By: Chris Hakes

Certifier Title: VP Operations

Certifier Email: chris@hakesbrothers.com

Certified On: 01/22/2021 5:27 PM ET