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### ESC Plan Standard Notes (2021-03-24)

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.

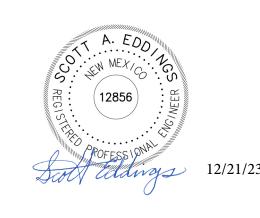
2.All BMP's must be installed prior to beginning any earth moving activities except as specified hereon in the Phasing Plan. Construction of earthen BMP's such as sediment traps, sediment basins, and diversion berms shall be completed and inspected prior to any other construction or earthwork. Self-inspection 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 and made available upon request.

4. Corrective action reports must be kept by the person or entity authorized to direct the construction activities on the site and made available upon request.

5.Stabilization reports must be kept by the person or entity authorized to direct the construction activities on the site and made available upon request. Reports should include records of weed removal per City Ordinance (§ 9-8-1), sterilization, soil test results and recommendation, materials and manufacturer's specifications for application rates, estimated functional longevity, methods of application, inspection and maintenance. The reduced self-inspection schedule in CGP 4.4.1 applies to stabilized area and any damaged or worn stabilization must be identified in the reports along with weed problems. Corrective actions for stabilization shall be documented in a stabilization report including actual rates and dates of stabilization, and the materials and manufacturer's specifications used.

6.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 and impervious surfaces, 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 approved by the City of Albuquerque prior to removal of BMPs and discontinuation of inspections.



## Pond Stabilization Specifications

After constructed, ponds shall be seeded as per approved specifications (described below and attached) by the 14-day time period designated by the Construction General Permit. Ponds shall be inspected regularly as part of the project.

Flat Area: Areas less than 3:1

\*Use one of the three specified seed mixes based on soil conditions

\*Disc seed bed at 4-6" depth

\*Drill seed specified seed mix

\*Hydro mulch at 2000 lbs/ac with increased tackifier at 10% of wood fiber mulch dry weight (industry standard is 3-5% bulk dry weight of hydro mulch). We do this to help with better performance in dust stabilization for air quality.

Slopes: Areas 3:1 or steeper

\*Use one of three specified seed mixes based on soil conditions. We double the application rate for better germination. In some instances we apply the specified rate with hydro mulch with tackifier on the slope prior to gravel mulch application.

\*Apply 1-1.5" crushed stone at 300 tons per acre. This stone is larger than what is specified but we have found that the larger stone holds on the slopes better than the ¾" specified and isn't so easily covered in

locations with what we call blow sand or sugar sand.

\*\*If the full double application rate of seed is not applied in the initial application we will now apply the second (double seed rate) application of seed with only trace amounts (~500 lbs/ac) wood fiber mulch and tackifier. Since this second application will be at a diluted application rate, the seed will be washed down into all of the nooks and crannies of the gravel mulch to help protect it. Since this second application has

tackifier added, it will help with final dust stabilization.



	Proj	ect	Name:	Montage 5
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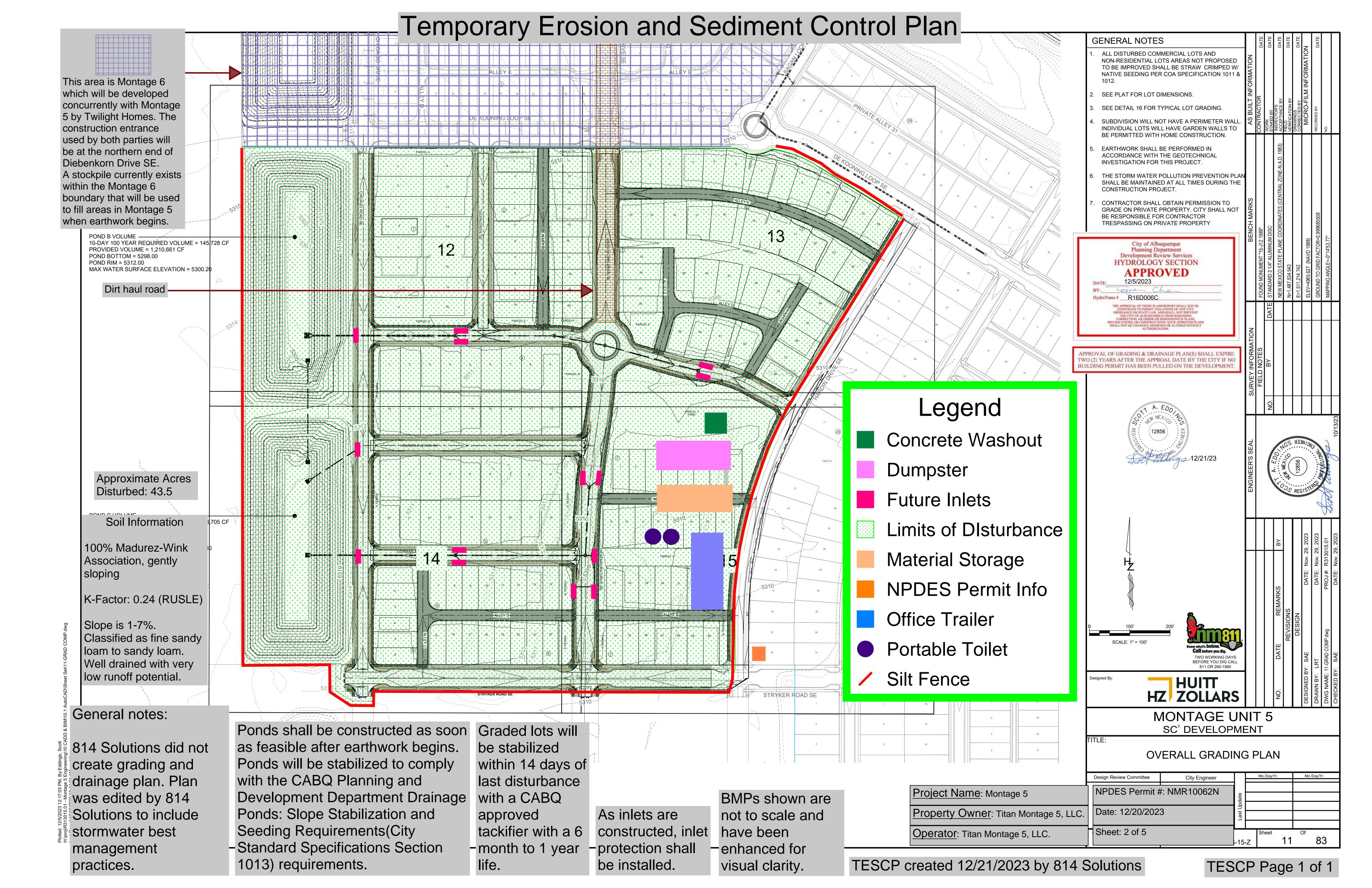
Property Owner: Titan Montage 5, LLC.

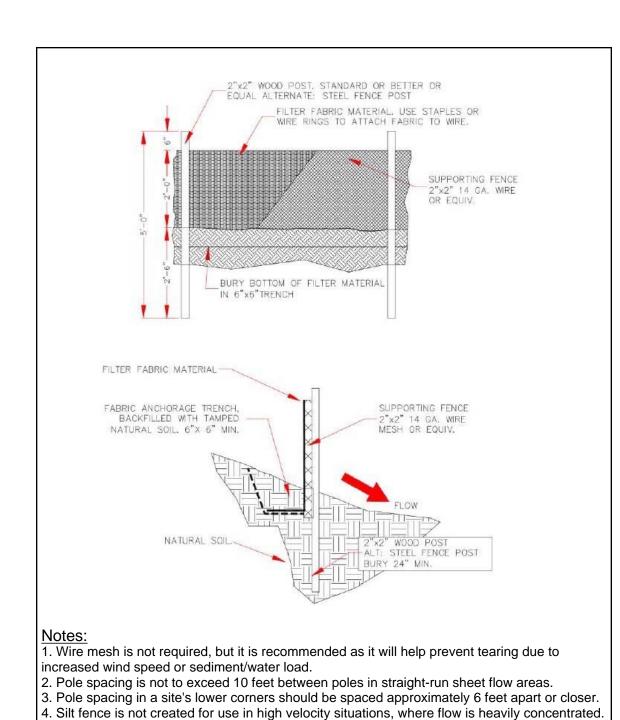
Operator: Titan Montage 5, LLC.

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If concentrated flow does drain toward silt fence, then use additional BMPs to reduce the flow's

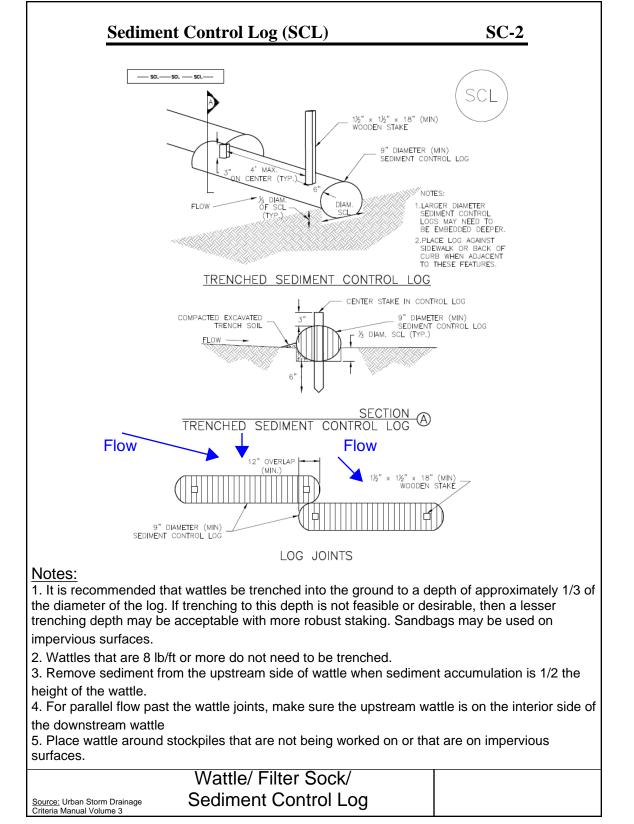
5. Silt fence fabric transition points should have posts interlocked with no gaps in the silt fence

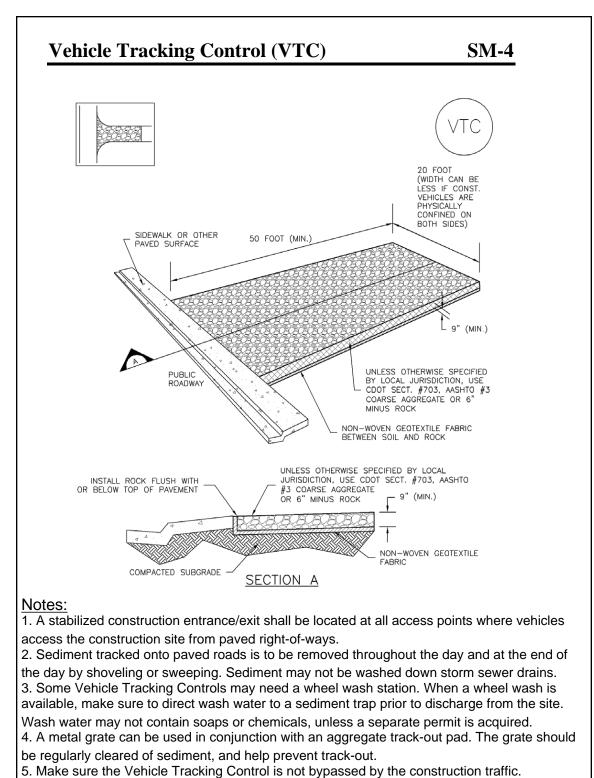
Silt Fence

coverage.

Source: City of Albuquerque

Construction Site Manual 2018



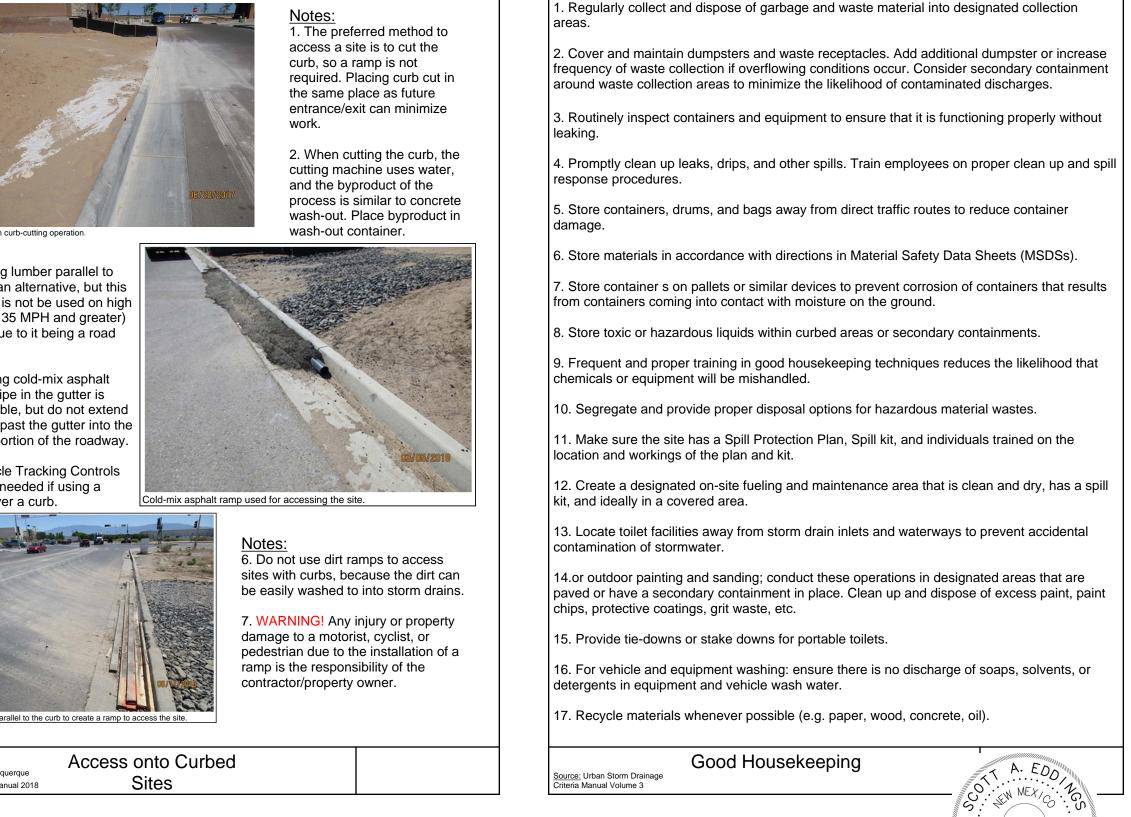


Vehicle Tracking Control

Source: Urban Storm Drainage





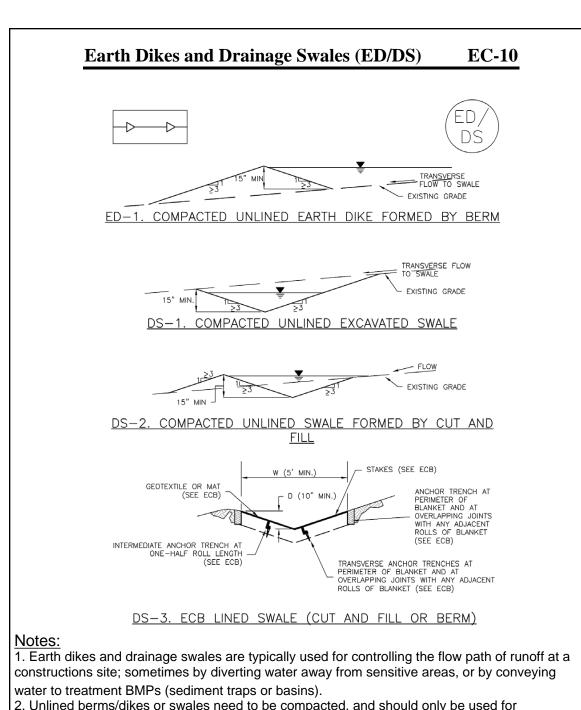


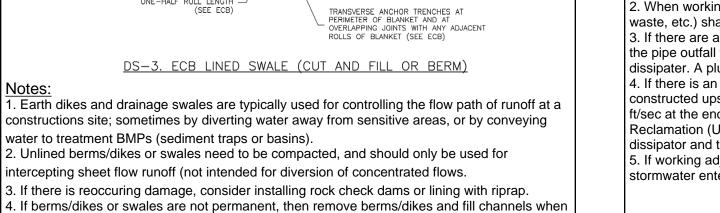


Inlet Protection Part 1

Construction Site Manual 2018









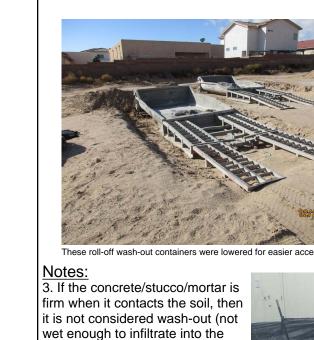


Energy dissipator for large storm drains

I. When working in or adjacent to an arroyo or concrete channel, loose soil shall not be stockpiled or left in the low-flow area of the arroyo or channel. A berm or a similar BMP is to be constructed to diver flow into a low-flow area. 2. When working in or adjacent to an arroyo or concrete channel, pollutants (chemicals, debris, waste, etc.) shall not be left in the low-flow area of the arroyo or channel. 3. If there are active storm drains in the work zone, an energy dissipator is to be constructed at the pipe outfall to slow the velocity of the stormwater to less than 3 ft/sec at the end of the dissipater. A plunge pool constructed of large aggregate is the most common energy dissipator 4. If there is an arroyo or channel draining into the work zone, and energy dissipator is to be constructed upstream of the confluence to slow the velocity of the stormwater to less than 3 ft/sec at the end of the dissipator. There are equations provided by the United States Bureau of Reclamation (USBR) and the Federal Highway Administration (FHWA) for sizing the energy dissipator and the aggregate. 5. If working adjacent to an arroyo or concrete channel, install BMPs to protect against or filter

stormwater entering the drainage.

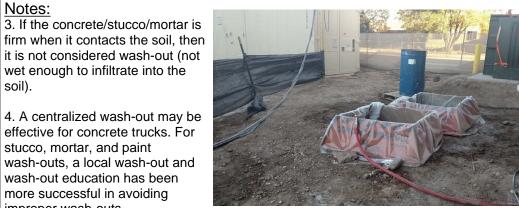




1. Designated wash-out areas shall be provided for any concrete, stucco, mortar, or paint operations. Wash-outs should be as far away as possible from waters of the U.S., stormwater inlets, or conveyances.

12856

2. "Wash-out shall be directed to leak-proof containers or leak proof and lined pit designed so that no overflows can occur due to inadequate sizing or precipitation." -CGP 2022





Mortar towers shall have a plastic liner beneath them to prevent the wet mortar from contacting the soil. If wet stucco or mortar contacts the ground due to mixing, it would be a compliance issue.

6. If a wash-out occurs on bare soil, the Operator is expected to remove it same day. The wash-out material, as well as the wetted soil, are to be removed and disposed of appropriately.

Source: City of Albuquerque

Mortar towers with plastic beneath as a BMP.

nstruction Site Manual 2018

Wash-outs

**BMP Information Sheet** 



upstream area is stabilized. Immediately stabilize the disturbed area after the BMP removal.

Project Name: Montage 5

Property Owner: Titan Montage 5, LLC.

Operator: Titan Montage 5, LLC.

NPDES Permit #: NMR10062N

Date: 12/21/2023

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# Project Roles and Responsibilities

Site Owner: Titan Montage 5, LLC

Contact: Brian Patterson

505 980-1650

bpatterson@titan-development.com

Site Operator: Titan Montage 5, LLC

Contact: Brian Patterson

505 980-1650

bpatterson@titan-development.com

Stormwater Team: 814 Solutions

Contact: Gaylen Barnett (Environmental Compliance

Manager)
505 382-4828
gaylen@814solutions.com

2nd Contact: Eric Maez (Inspector)

505 401-7843

eric@814solutions.com

3rd Contact: Zak Burton (Inspector)

505 426-7715

Hannah@814solutions.com

BMP Installation: 814 Solutions

Contact: Sergio Lozoya

505 250-3734

sergio@814solutions.com

Daily sediment removal from public streets (when needed):

TBD a representative from Titan Montage 5, LLC.

# **Project Information:**

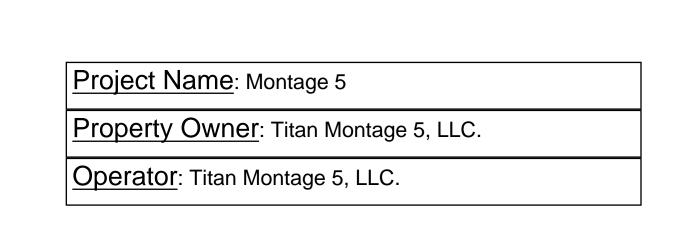
Expected activities (including but not limited to):

- Clearing and grubbing
- Excavation
- -Pond construction
- Grading
- Utility installation
- General development activities
- Stabilization activities (hydroseeding/tackifier)

Clearing, grubbing, pond construction, and earthwork/grading are expected for the first 6-8 weeks after project begins. Stabilization shall be applied to all disturbed areas within 14 calendar days of last disturbance. After grading is completed, development activities including curb and gutter, pavement, sidewalk, and utility installation shall commence. As inlets are constructed they shall be protected with BMPs. SWPPP inspections shall continue until all disturbed areas have been stabilized to meet CABQ specifications.

## BMP information:

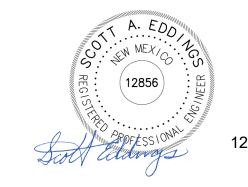
The project will have silt fence surrounding the perimeter of the project to mitigate dust and water runoff. Ponds will be constructed as soon as feasible after earthwork commences and are designed to capture stormwater runoff. A stabilized construction entrance shall be utilized, cleaned, and maintained throughout the project. Water trucks shall be operational throughout the project for dust mitigation. The project shall be monitored daily to ensure BMPs are functional. If sediment trackout is observed, street sweeping shall be implemented. No significant slopes/drop-offs exist other than pond slopes when constructed.



NPDES Permit #: NMR10062N
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Sheet: 4 of 5

# Zone Atlas Map





Project Name: Montage 5

Operator: Titan Montage 5, LLC.

Property Owner: Titan Montage 5, LLC.

NPDES Permit #: NMR10062N

Date: 12/21/2023

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