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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 34" specified and isn't so easily covered in

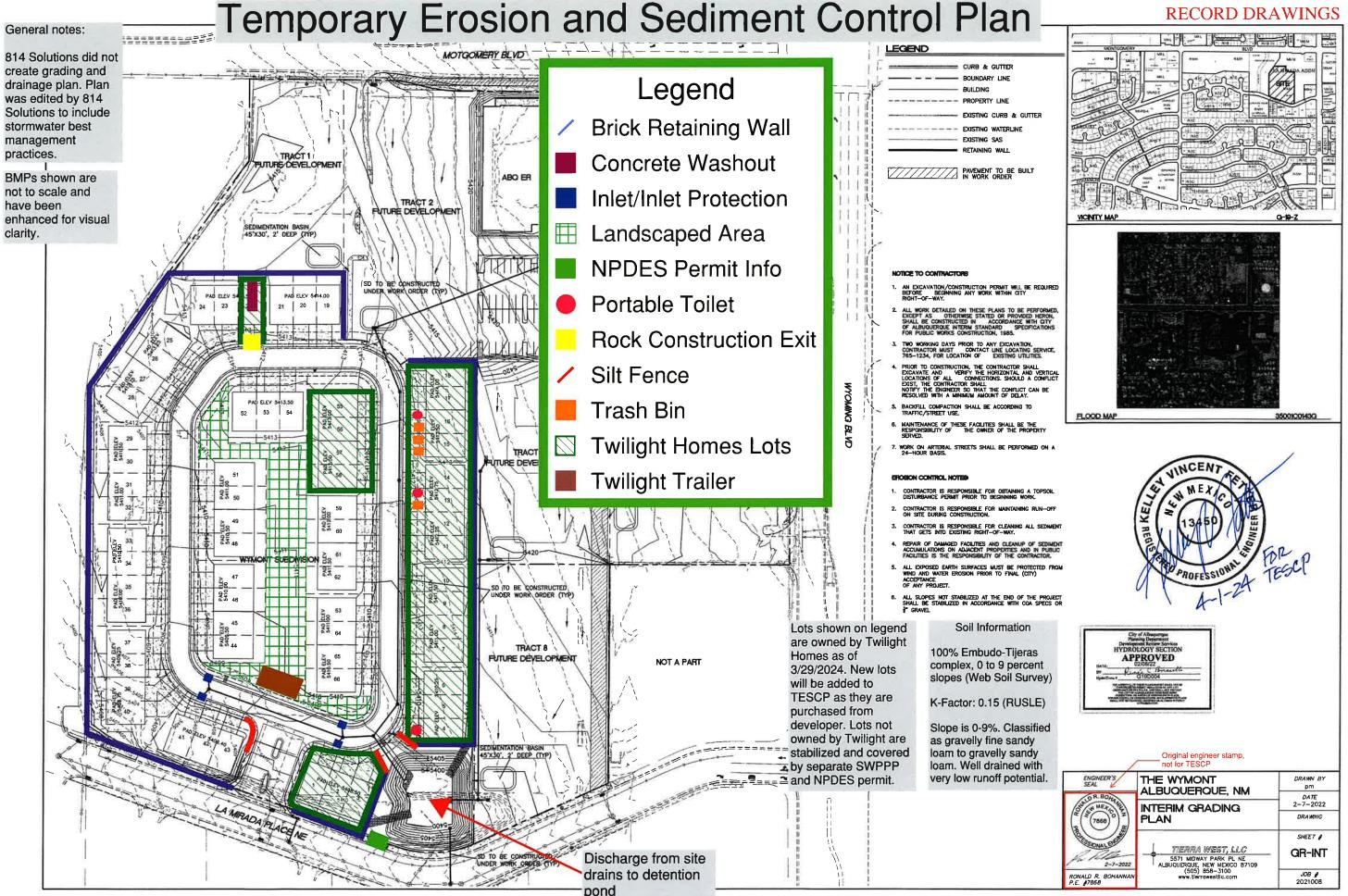
locations with what we call blow sand or sugar sand.

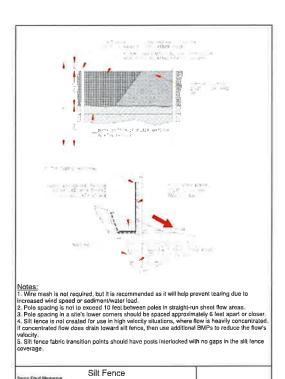
**If the full double application rate of seed is not applied in the initial application we will now apply the second (double seed rate) application of seed with only trace amounts (~500 lbs/ac) wood fiber mulch and tackifier. Since this second application will be at a diluted application rate, the seed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

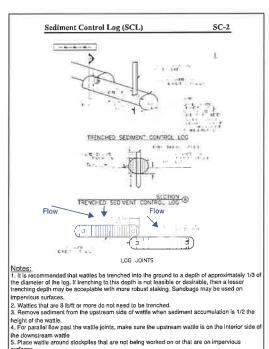
tackifier added, it will help with final dust stabilization.



Project Name: La Mirada	Date: 3/29/2024
Property Owner: Twilight Homes	NPDES Permit #: NMR1006BR

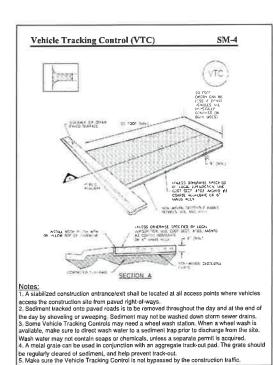






Wattle/ Filter Sock/

Sediment Control Log



Vehicle Tracking Control

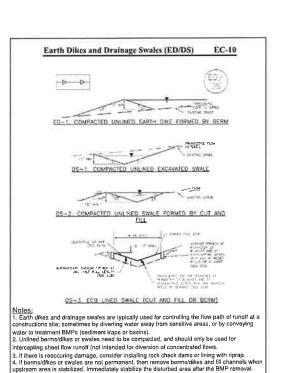


Cover and maintain dumpsters and waste receptacles. Add additional dumpster or increase frequency of waste collection if overflowing conditions occur. Consider secondary containment around waste collection areas to minimize the likelishood to containitated discharges. I. Routinely inspect containers and equipment to ensure that it is functioning properly without Promptly clean up leaks, drips, and other spills. Train employees on proper clean up and spill . Store containers, drums, and bags away from direct traffic routes to reduce container i. Store materials in accordance with directions in Material Safety Data Sheets (MSDSs) 7. Store container s on pallets or similar devices to prevent corrosion of containers that results n containers coming into contact with moisture on the ground. Store toxic or hazardous liquids within curbed areas or secondary containments 9. Frequent and proper training in good housekeeping techniques reduces the likelihood that chemicals or equipment will be mishandled. Segregate and provide proper disposal options for hazardous material wastes. Make sure the site has a Spill Protection Plan, Spill kil, and individuals trained on the ocation and workings of the plan and kit. 12. Create a designated on-site fueling and maintenance area that is clean and dry, has a spill kit, and ideally in a covered area. 13. Locate toilet facilities away from storm drain inlets and waterways to prevent accidental contamination of stormwater. 14.or outdoor painling and sanding; conduct these operations in designated areas that are paved or have a secondary containment in place. Clean up and dispose of excess paint, paint chups, protective coatings, gift waste, etc. 5. Provide tie-downs or stake downs for portable toilets. 16. For vehicle and equipment washing: ensure there is no discharge of soaps, solvents, or detergents in equipment and vehicle wash water. Good Housekeeping

Notes: 1. Regularly collect and dispose of garbage and waste material into designated collection









Access onto Curbed

Notes:

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 felf 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 stormware to less than all files cat the end of the dissipater. A plunge poed 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 files cat 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 in the aggregate.

dissipator and the aggregate.

5. If working adjacent to an arroyo or concrete channel, install BMPs to protect against or filter mwater entering the drainage

Arroyo and Channel Construction

PROFESSIONAL



Notes:
1. Designated wash-out areas shall be should be as far away as possible from waters of the U.S., stormwater

A centralized wash-out may be effective for concrete trucks. For stucco, mortar, and paint nore successful in avoiding



Wash-outs

plastic liner beneath them to prevent the wet mortar from contacting the soil. If wet stucco or mortar contacts the round due to mixing. It would

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

BMP Information Sheet



Earth Berms/ Dikes/

Drainage Swales



Sheet: 3 of 5

Project Roles and Responsibilities

Owner/Operator Information

Site Owner: Twilight Homes Contact: Tim McNaney

505 975-1154

tmcnaney@twilighthomesnm.com

Stormwater Team: 814 Solutions

Contact: Gaylen Barnett (Environmental Compliance Manager) 505 382-4828

gaylen@814solutions.com

2nd Contact: Eric Maez (Inspector/BMP Installation Manager)

505 401-7843

eric@814solutions.com

Project Information:

Expected activities (including but not limited to):

- Homebuilding construction activities
- Concrete and concrete washout
- Landscaping

Twilight Homes owns 23 lots (lots 1-18, 22, 55-58) and will continue buying lots in the La Mirada subdivision. The lots have been developed by AMREP who has separate SWPPP and NPDES permit coverage. The TESCPs for both contractors shall be updated as lots are bought / sold and updated with lot and BMP changes.

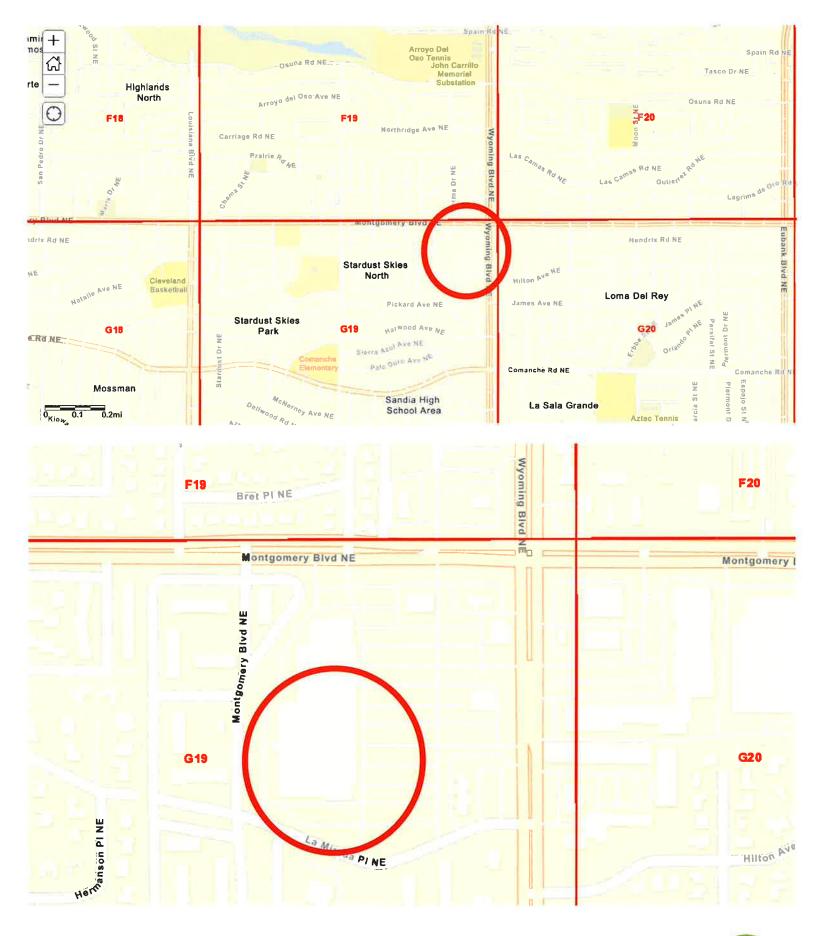
BMP information:

Most of the perimeter has a brick retaining wall installed. Silt fence is installed where shown on TESCP. A stabilized construction entrance is installed on lot 22 where the concrete washout is constructed. 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.





Project Name: La Mirada	Date: 3/29/2024
Property Owner: Twilight Homes	NPDES Permit #: NMR1006BR



Zone Atlas Map G 19





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