



Stormwater Quality

ESC Plan Information Sheet

Project Name: _____

Project Location: (address or major cross streets/arroyo)

Plan Preparer Information:

Company: _____

Contact: _____

Address: _____

Phone Number: (O) _____ (Cell (optional)

e-Mail: _____

Owner Information:

Company: _____

Contact: _____

Address: _____

Phone: _____

e-Mail: _____

I am submitting the ESC plan to obtain approval for:

____ ESC Permit-Grading

____ ESC Permit-Building Permit

____ Work Order Construction Plans

Note: More than one item can be checked for a submittal

If you have questions, please contact Curtis Cherne, Stormwater Quality 924-3420, ccherne@cabq.gov

Rev April 2016



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

NPDES ID: NMR1001Z7State where your construction site is located: NMIs your construction site located on Indian Country Lands? ☐ YES ☒ NOAre you requesting coverage under this NOI as a "Federal Operator" as defined in Appendix A (https://www.epa.gov/sites/production/files/2017-02/documents/2017_cgp_final_appendix_a_-_definitions_508.pdf)?☐ YES ☒ NOHave stormwater discharges from your current construction site been covered previously under an NPDES permit? ☐ YES ☒ NOWill you use polymers, flocculants, or other treatment chemicals at your construction site? ☐ YES ☒ NOHas a Stormwater Pollution Prevention Plan (SWPPP) been prepared in advance of filling this NOI, as required? ☒ YES ☐ NOAre 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 ☐ NOHave 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 ☐ NO

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 ☐ NO

Operator Information

Operator Information

Operator Name: Pulte Homes

Mailing Address:

Street/Location: 7601 Jefferson NECity: AlbuquerqueState: NMZip Code: 87109County or Similar Government Subdivision: BERNALILLO

Operator Point of Contact Information

First Name, Middle Initial, LastName: Dan MallakTitle: Construction ManagerPhone: 505-554-6273 Ext.Email: dan.mallak@pultegroup.com

Project/Site Information

Project/Site Name: Volterra

Project/Site Address

Street/Location: Juan Tabo and Rocky Top RoadCity: AlbuquerqueState: NMZip Code: 87123County or Similar Government Subdivision: BERNALILLOLatitude/Longitude: 35.0446°N, 106.5208°W

Latitude/Longitude Data Source: Map

Horizontal Reference Datum: WGS 84

Project Start Date: 2019-02-22

Project End Date: 2021-02-22

Estimated Area to be Disturbed: 22.5

Types of Construction Sites:

- Single-Family Residential

Will there be demolition of any structure built or renovated before January 1, 1980? ☐ YES ☒ NO

Was the pre-development land use used for agriculture? ☐ YES ☒ NO

Have earth-disturbing activities commenced on your project/site? ☐ YES ☒ NO

Is your project located on a property of religious or cultural significance to an Indian tribe? ☐ YES ☒ NO

Discharge Information

Does your project/site discharge stormwater into a Municipal Separate Storm Sewer System (MS4)? ☒ YES ☐ NO

Are there any waters of the U.S. within 50 feet of your project's earth disturbances? ☐ YES ☒ 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)

☒ YES ☐ NO

001: Tijeras Arroyo

Latitude/Longitude:

Tier Designation: Tier 2

Is this receiving water impaired (on the CWA303(d) list)? ☐ YES ☒ NO

Has a TMDL been completed for this receiving waterbody? ☐ YES ☒ NO

Stormwater Pollution Prevention Plan (SWPPP)

First Name, Middle Initial, LastName: Dan Mallak

Title: Construction Manager

Phone: 505-554-6273 Ext.

Email: dan.mallak@pulte-group.com

Endangered Species Protection

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 or endangered species critical habitat' are outside the project limits.

Historic Preservation

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 ☐ NO

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 (https://www.epa.gov/sites/production/files/2017-02/documents/2017_cgp_final_appendix_e_-_historic_properties_reqs_508.pdf), Step 2):

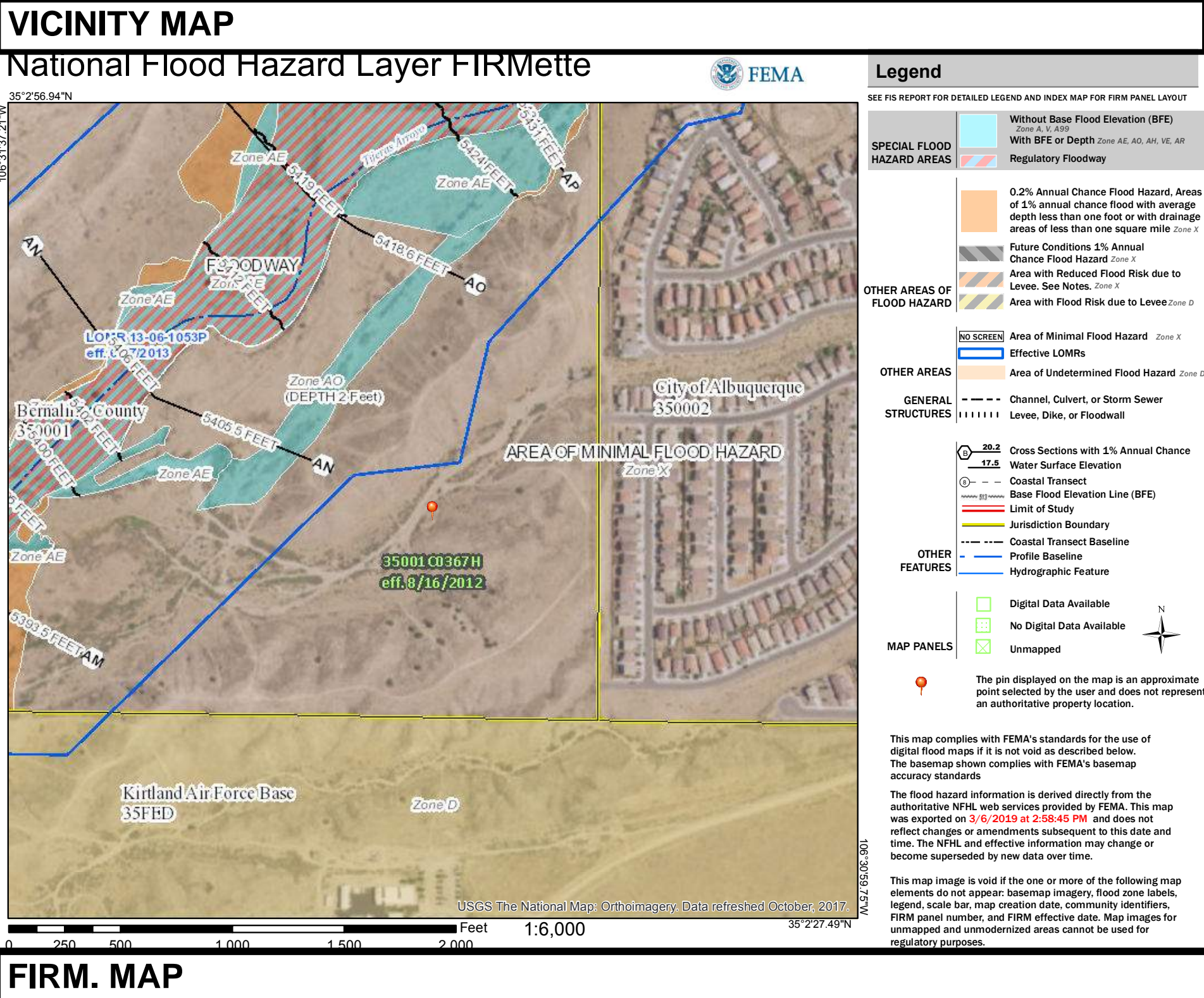
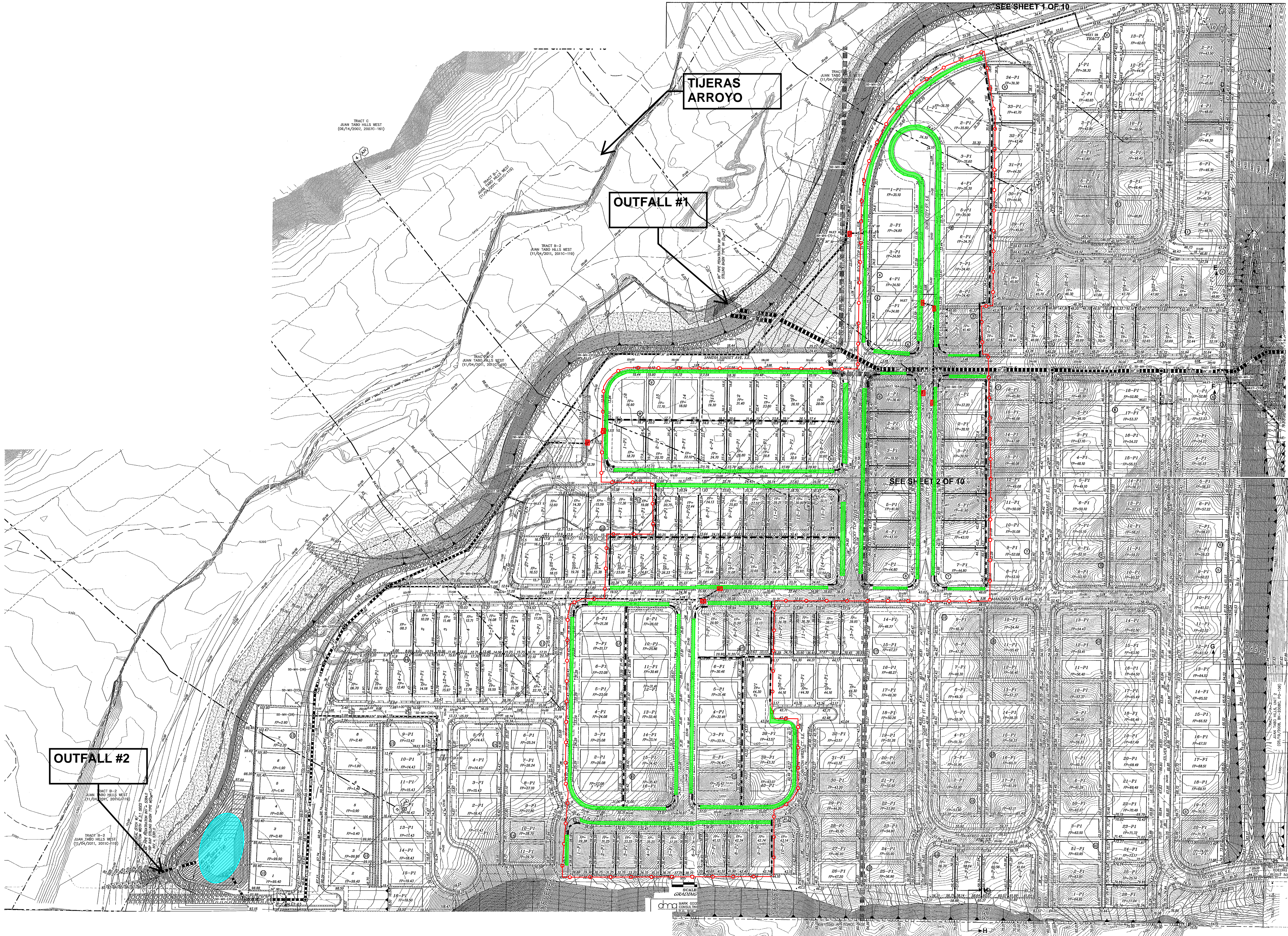
☒ YES ☐ NO

Certification Information

Certified By: Dan E. Mallak (DMALLAK1026)

Certified On: 03/07/2019 12:01 PM

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.



BMP MAP LEGEND

AREA OF DISTURBANCE

SILT FENCE

MULCH FILTER SOCK

INLET PROTECTION

CUT BACK CURB

FLOW DIRECTION

VTC (VEHICLE TRACK-OUT CONTROL

PORTABLE TOILETS (TBD)

WASTE CONTAINER (TBD)

LIQUID WASTE WASHOUT (TBD)

STAGING AREA (TBD)

DRAINAGE BASIN



OPERATOR: PULTE HOMES OF NM

TOTAL SITE AREA: 22.12 ACRES
TOTAL DISTURBED AREA: 22.12 ACRES

RECEIVING WATERS: TIJERAS ARROYO (RIO GRANDE TO FOUR HILLS BRIDGE)
NM-9000.A_070.

REFER TO SITE SWPPP FOR ADDITIONAL COMPLIANCE REQUIREMENTS. REFER TO THE ESC BMP DETAILS (ESC-2) FOR INSTALLATION, INSPECTION AND MAINTENANCE REQUIREMENTS.

EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLFILLING ALL NECESSARY NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS INCLUDING, BUT NOT LIMITED TO, OBTAINING AN NPDES PERMIT PRIOR TO CONSTRUCTION, FILING THE NOTICE OF INTENT (NOI), AND FILING THE NOTICE OF TERMINATION (NOT) UPON COMPLETION OF THE PROJCT.
2. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE IMPLEMENTATION OF INSPECTIONS AND INSPECTION REPORTING FOR THE STORMWATER POLLTUION PREVENTION PLAN (SWPPP).
3. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE APPROVED SWPPP ON-SITE AT ALL TIMES AND SHALL COMPLY WITH THE REQUIREMNTS INDICATED ON THAT PLAN. ANY BMPs THAT ARE REQUIRED IN THE APPROVED SWPPP SHALLE BE INCLUDED IN AND ARE INCIDENTAL TO THE SWPPP BID AMOUNT.
4. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST AND ERSOION CONTROL REGULATIONS. THE CONTRACTOR SHALL PREPARE AND OBTAIN ANY NECESSARY DUST OR EROSION CONTROL PERMITS FROM THE REGULATORY AGENCIS.
5. THE CONTRACTOR SHALL IMPLEMENT THE APPROVED SWPPP AND ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
6. CONSTRUCTION AREAS SHALL BE WATERED FOR DUST CONTROL IN COMPLIANCE WITH GOVERNMENT ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND SUPPLYING WATER AS REQUIRED. WATERING, AS REQUIRED FOR CONSTRUCTION AND DUST CONTROL, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO MEASUREMENT OR PAYMENT SHALL BE MADE THEREFORE.
7. ANY AREAS DISTURBED BY CONSTRUCTION AND NOT COVERED BY LANDSCAPING OR AN IMPERVIOUS SURFACE SHALL BE REVEGETATED WITH NATIVE GRASS SEEDING. WHEN CONSTRUCTION ACTIVITIES CEASE AND EARTH DISTURBING ACTIVITIES WILL NOT RESUME WITHIN 14 DAYS, STABILIZATION MEASURES MUST BE INITIATED. UNLESS INDICATED OTHERWISE ON THESE PLANS OR ON THE LANDSCAPING PLAN, NATIVE GRASS SEEDING SHALL BE SEEDING PER SECTION 1012 OF THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, APWA NM CHARTER, LATEST EDITION.
8. ALL WASTE PRODUCTS FROM THE CONSTRUCTION SITE, INCLUDING ITEMS DESIGNATED FOR REMOVAL, CONSTRUCTION WASTE, CONSTRUCTION EQUIPMENT WASTE PRODUCTS (OIL, GAS, TIRES, ETC.) GARBAGE, GRUBBING, EXCESS CUT MATERIAL, VEGETATIVE DEBRIS, ETC. SHALL BE APPROPRIATELY DISPOSED OF OFF-SITE AT NO ADDITIONAL COST TO THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMITS REQUIRED TO HAUL OR DISPOSE OF WASTE PRODUCTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE WASTE DISPOSAL SITE COMPLIES WITH GOVERNMENT REGULATIONS REGARDING THE ENVIRONMENT, ENDANGERED SPECIES, AND ARCHAEOLOGICAL RESOURCES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP AND REPORTING OF SPILLS OF HAZARDOUS MATERIALS ASSOCIATED WITH THE CONSTRUCTION SITE. HAZARDOUS MATERIALS INCLUDE GASOLINE, DIESEL FUEL, MOTOR OIL, SOLVENTS, CHEMICALS, PAINTS, ETC. WHICH MAY BE A THREAT TO THE ENVIRONMENT. THE CONTRACTOR SHALL REPORT THE DISCOVERY OF PAST OR PRESENT SPILLS TO THE NEW MEXICO ENVIRONMENT DEPARTMENT EMERGENCY RESPONSE TEAM AT 505-827-9329.
10. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING SURFACE AND UNDERGROUND WATER. CONTACT WITH SURFACE WATER BY CONSTRUCTION EQUIPMENT AND PERSONNEL SHALL BE MINIMIZED. EQUIPMENT MAINTENANCE AND REFUELING OPERATIONS SHALL BE PERFORMED IN AN ENVIRONMENTALLY SAFE MANNER IN COMPLIANCE WITH GOVERNMENT REGULATIONS.

JUAN TABO HILLS ESTATES

TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

03/07/19

M. VALLEJOS, CPESC-IT, CISEC

ESC-1

Silt Fence Detail

Non-woven Silt Fence

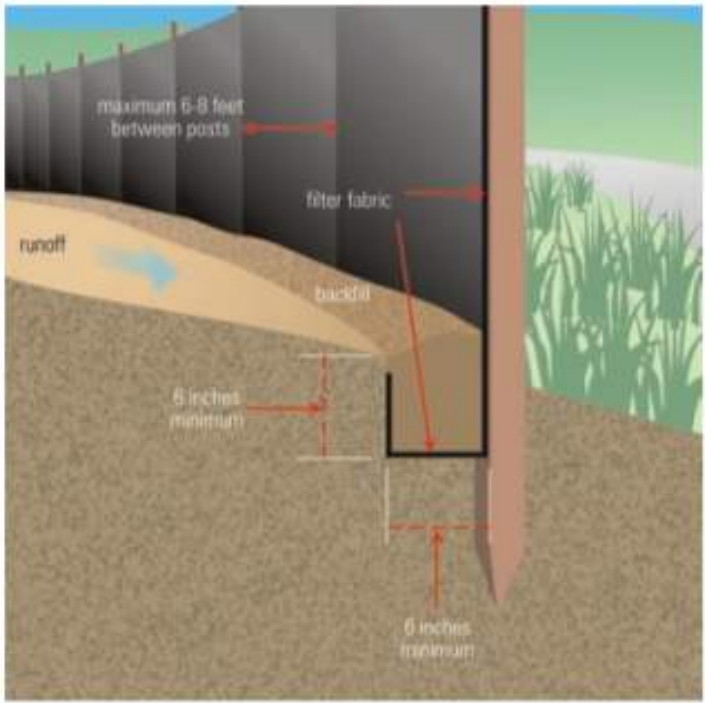
A silt fence is a temporary sediment barrier consisting of a geotextile attached to supporting posts and trenched into the ground. Intended to retain sediment that has been dislodged by stormwater.

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.

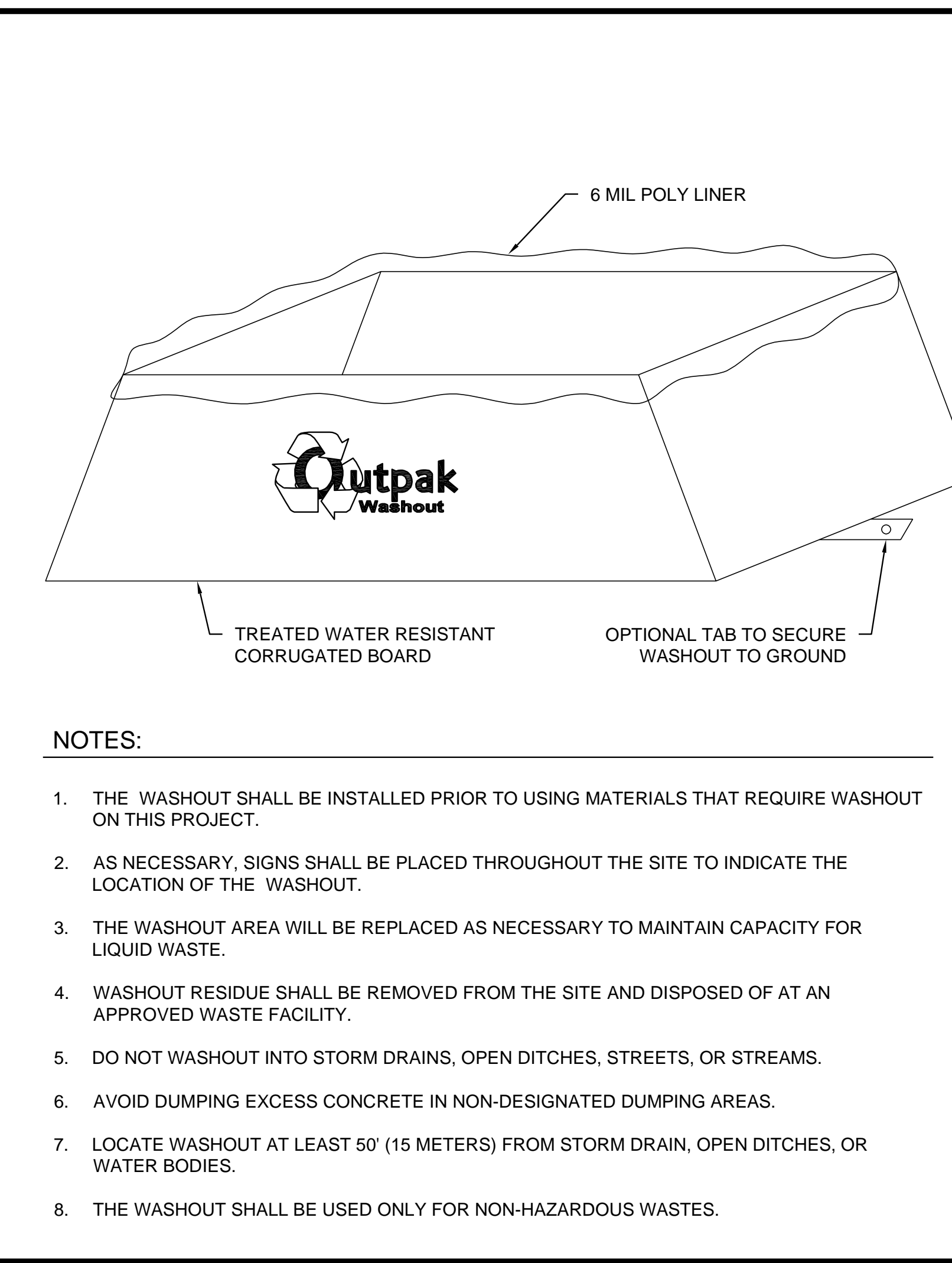
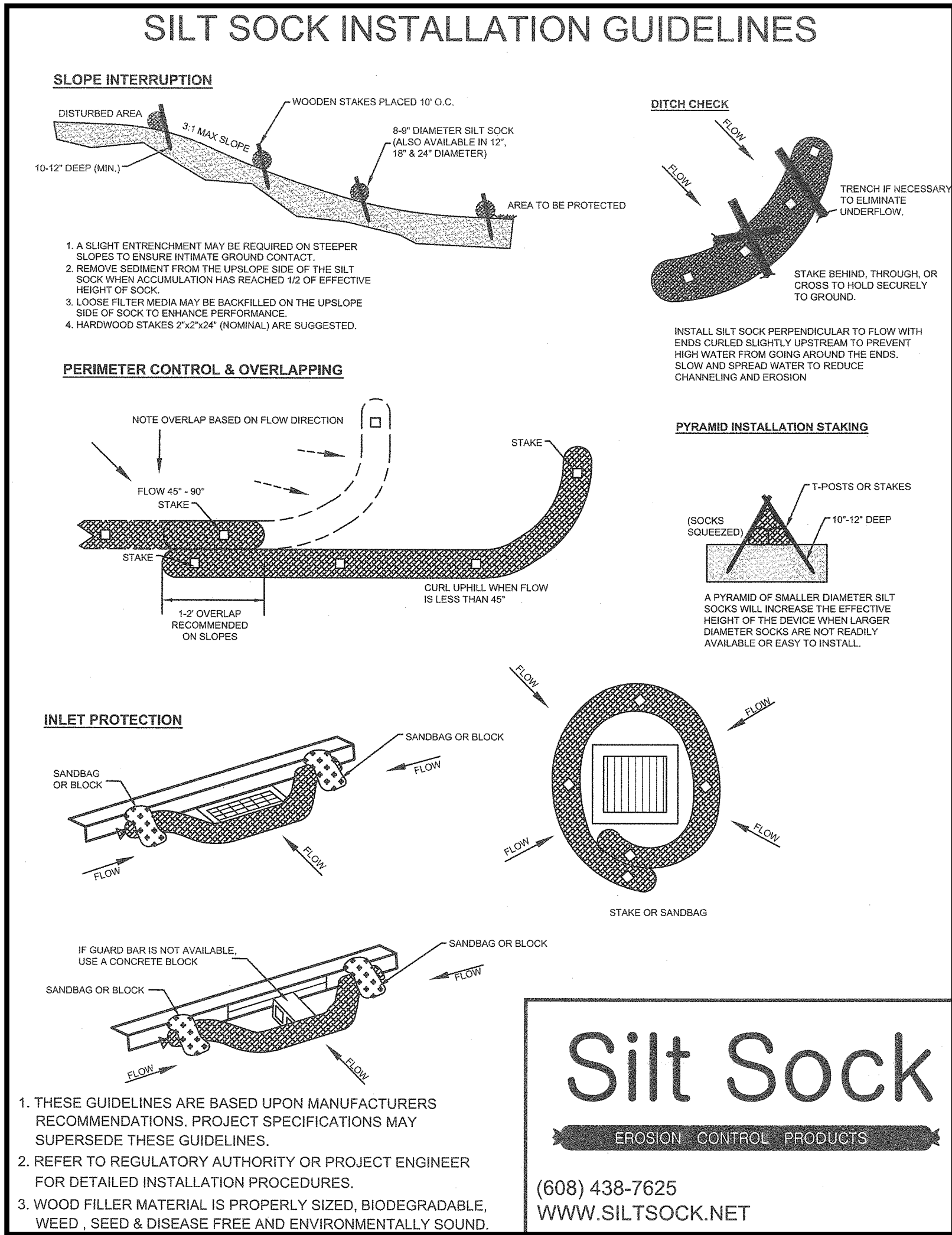
To maintain remove sediment when it reaches one-third of the height of the fence. Replace the silt fence where it is worn, torn, or otherwise damaged. Retrench or replace any silt fence that is not properly anchored to the ground. If the silt fence cannot be toed in properly due to existing hard surface,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

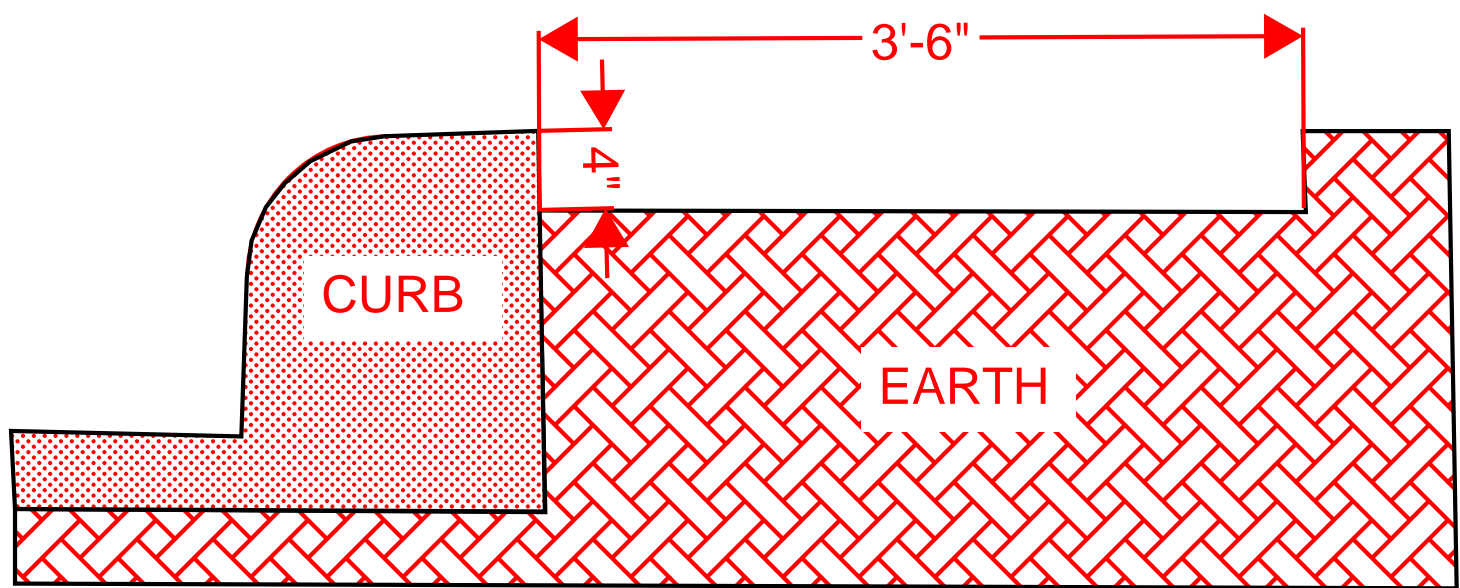
Silt Fence Installation



Source: USEPA Guide for Construction Site



Cut-Back Curb Detail



Coir Mat Inlet Protection



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

Baseline Properties		500 Hour Exposed Properties	
MD – Maximum Load (ppi)	14.6	MD – Maximum Load (ppi)	10.2
TD – Maximum Load (ppi)	18.7	TD – Maximum Load (ppi)	13.8
MD – Elongation @ Max Load (%)	19.3	MD – Elongation @ Max Load (%)	16.9
TD – Elongation @ Max Load (%)	27.7	TD – Elongation @ Max Load (%)	16.6

Light Penetration (ECTC Guidelines)		Resiliency (ASTM D 6524)	
Baseline Reading	125	Pre-loading thickness (mils)	1943
Reading with sample	10	Post-loading thickness (mils)	326
% Light Penetration	<8	% change	-83

Swell (ECTC)		Mass/Unit Area (ASTM D 6565)	
Dry thickness (mils)	1984	Mass/unit area (oz/sq. yd)	50.89
Thickness after soak (mils)	2098	Mass/unit area (g/sq. meter)	1725
% change	6		

Water Absorption (ASTM D 1117/ECTC)		Smolder Resistance (ECTC)	
Pre-soak Weight (grams)	69	Maximum Burn Distance (in)	.29
Post-Soak (grams)	152		
Weight change (grams)	82		
% Weight Change	119		

Sediment Control (ASTM D 5141)	
Test material:	Sand sieved thru No. 10 sieve
Filtering Efficiency (%)	40.8
Flow Rate (liter/minute)	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 ½” #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)		
Fabric Weight	ASTDM D-5261	5 oz/sq./yd.
Grab Tensile (MD/TD)	ASTDM D-4632	350/220 lbs.
Trapezoid Tear (MD/TD)	ASTM D-4533	146/75 lbs.
Puncture	ASTM D-4833	112 lbs.
Mullen Burst	ASTM D-3786	388 psi.
UV Resistance (2000hrs)	ASTM D-4355	>70%
Water Flow	ASTM D-4355	195 gpm/sq-ft
Material		High Density Polyethylene (HPDE)

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.

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JUAN TABO HILLS ESTATES

TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

03/07/19

M. VALLEJOS, CPESC-IT, CISEC

ESC-2



EnviroCert International, Inc.[®]
certifies that

Mathew Vallejos

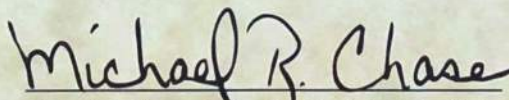
Subscribes to the Code of Ethics and Professional Conduct and has met the requirements established for the CPESC-IT[®] Program as a

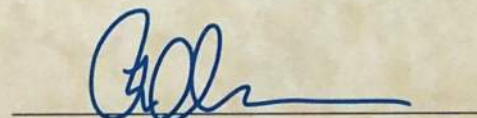
**Certified Professional in Erosion and
Sediment Control - In Training[®]**

CPESC-IT[®] Number: **9108**

Certificate Date: **August 3, 2018**


Jim O'Tousa, EnviroCert Technical Co-Chair


Michael R. Chase, EnviroCert Technical Co-Chair


Robert Anderson, EnviroCert Board President

