# Stormwater Quality Plan Information Sheet and Inspection Fee Schedule

Project Name:			
Project Location: (add	ress or major cross stree	ets/arroyo)	
Plan Preparer Informa	ation:		
Company:			
Address:			
		(Cell (optional))	
e-Mail:			
Property Owner Inform	nation:		
Company:			
Address:			
Phone:			
e-Mail:			
I am submitting the ES	C plan to obtain appr	oval for:	
	<b>.</b>	1 0 1 1	
	ng PermitWork Or		
Note: More than one item car	i be checked for a submittal		
Stormwater Quality In	spection fee: (based on c	development type and disturbe	d area)
Commercial	< 2 acres \$300	2 to 5 acres \$500	>5 acres \$800
Land/Infrastructure	< 5 acres \$300	5 to 40 acres \$500	>40 acres \$800
Multi - family	< 5 acres \$500	≥5 acres \$800	
Single Family	<5 acres \$500	5 to 40 acres \$1000	> 40 acres \$1500 <b></b>
Residential			
Plan Review fee is \$105	for the first submittal [	and \$75.00 for a resu	ıbmittal 🗖
Total due equals the plan	n review fee plus the Ste	ormwater Quality Inspec	tion fee.
Total Due \$			
If you have questions, please	contact Doug Hughes, Stor	mwater Quality 924-3420, jhu	ghes@cabq.gov
Rev May 2019			

#### DR HORTON – CATALONIA LOT LIST

PHASE 1 – LOTS 1-6, 67-78 (3.05 ACRES)

PHASE 2 – LOTS 27-30, 33-66 (9.59 ACRES)



#### Silt Fence Detail

#### Non-woven Silt Fence

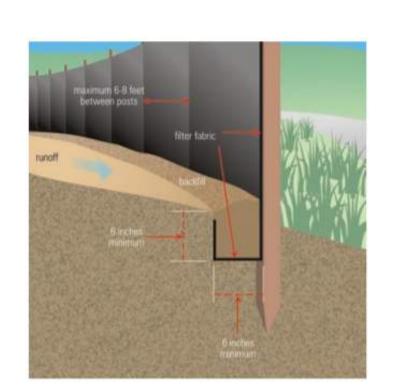
A silt fence is a temporary sediment barrier consisting of a geotextile attached to supporting posts and trenched into the ground. Intended to retain sediment that has been dislodged by

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

# **VEHICLE TRACK-OUT** CONTROL 3" TO 8" **ROCK MEDIA 6" MINIMUM DEPTH GEOTEXTILE FABRIC UNDERLINER NOT TO SCALE** - DIMENSIONS NOTED CAN BE SITE RESTRICTIVE.

# 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
- 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.

# **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 Wov Fabric Weight	ren (typical) ASTDM D-5261	F oz /sg /yd
		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)

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

- 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,
  - 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.
- 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.
- 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.
- 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.
- 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.

# Coir Mat Inlet Protection



(ASTM D 5035/ECTC)

## (4 inch wide strip specimen)

% Light Penetration

<b>Baseline Properties</b>	
MD – Maximum Load (ppi)	14.6
TD – Maximum Load (ppi)	18.7
MD – Elongation @ Max Load (%)	19.3
TD – Elongation @ Max Load (%)	27.7

3.4.1.2.3.4.(1.7)	
Light Penetration (ECTC Guideline	es)
Baseline Reading	125
Reading with sample	10

Swell (ECTC)	
Dry thickness (mils)	1984
Thickness after soak (mils)	2098
% change	6
Water Absorption (ASTM D 1117/E	CTC)
Water Absorption (ASTM D 1117/E Pre-soak Weight (grams)	<b>CTC)</b> 69
	1

#### 119 % Weight Change Sediment Control (ASTM D 5141) Sand sieved thru No. 10 sieve Filtering Efficiency (%) 40.8 Flow Rate (liter/minute) 150

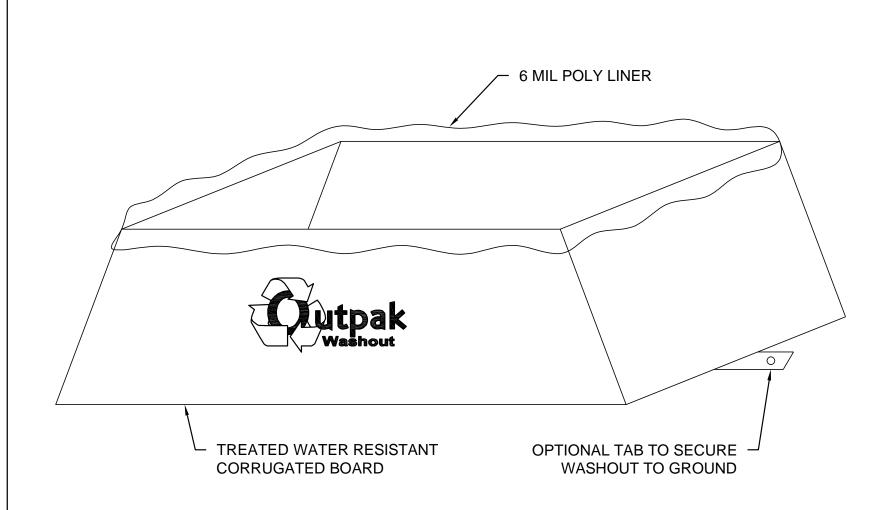
# UV Resistance (ASTM D 4355 – 500 hour exposure) Tensile Properties

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

Resiliency (ASTM D 6524)	
Pre-loading thickness (mils)	1943
Post-loading thickness (mils)	326
% change	-83

Mass/unit area (oz/sq. yd)	50.8
Mass/unit area (g/sq. meter)	172

# nolder Resistance (ECTC) Maximum Burn Distance (in)



- THE WASHOUT SHALL BE INSTALLED PRIOR TO USING MATERIALS THAT REQUIRE WASHOUT
- AS NECESSARY, SIGNS SHALL BE PLACED THROUGHOUT THE SITE TO INDICATE THE
- THE WASHOUT AREA WILL BE REPLACED AS NECESSARY TO MAINTAIN CAPACITY FOR
- 4. WASHOUT RESIDUE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN
- 5. DO NOT WASHOUT INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS.
- 6. AVOID DUMPING EXCESS CONCRETE IN NON-DESIGNATED DUMPING AREAS.

7. LOCATE WASHOUT AT LEAST 50' (15 METERS) FROM STORM DRAIN, OPEN DITCHES, OR

8. THE WASHOUT SHALL BE USED ONLY FOR NON-HAZARDOUS WASTES



TEMPORARY EROSION AND SEDIMENT **CONTROL PLAN** 



**Drawn By:** 

ESC-2

01/25/2022



IUNU

ENVIRONMENTAL

OPERATOR: DR HORTON, INC.

**TOTAL SITE AREA: 12.64 ACRES** 

**TOTAL DISTURBED AREA: 12.64 ACRES** 

TIER 2 SEE ESC-3 FOR IMPAIRMENTS.

FOR INSTALLATION, INSPECTION AND

MAINTENANCE REQUIREMENTS.

RECEIVING WATERS: RIO GRANDE RIVER

(TIJERAS ARROYO TO ALAMEDA BRIDGE),

REFER TO THE ESC BMP DETAILS (ESC-2)

Start·Date-Finish· Date¶ (dates·to·be· marked·on·site· plan·by·operator)¤	¶ Construction · Activity, · BMPs, · and · location	
¶ ¶ ¶ ¶ Phasex	Pre-Site Grading 1  1. Install perimeter BMPs (silt fence, erosion control logs, downstream inlet protection, etc.) 1  2. Construct VTC. 1  3. Set up construction trailer, construction barrier, and material storage areas 1  4. Install sanitary facilities and dumpster. 1  5. Implement stabilization procedures where work is complete or ceases (persection 2.2.14 of the 2017 EPA CGP)	3
¶ ¶ Interim· Phase¤	Site Grading/Building Construction¶ I. Mass grade site¶ 2. Construct utilities, infrastructure¶ 3. Building, pavement construction¶ 4. Implement stabilization procedures were work is complete or ceases (per-section-2.2.14 of the 2017 EPA CGP)□	3
¶ ¶ ¶ Final· Phasea	Final·Stabilization¶  1. Implement·stabilization·procedures <u>were</u> work is complete or ceases (per-section· 2.2.14·of·the·2017·EPA·CGP)¶  2. Prepare·final·seeding·and·landscaping¶  3. Monitor·stabilized·areas·until·final·stabilization·is <u>reached</u> ¶  4. Remove·temporary·control·BMPs·and·stabilize·any·areas·disturbed·by·theremoval	

## **Nature of Construction Activity:**

This project consists of new residential home construction. This project covers 56 lots with an approximately 12.64 acres of the Catalonia at the Trails project. DR Horton, Inc. is responsible for all construction activities including earthwork, infrastructure, utilities, flatwork and vertical construction. The activities to occur on-site are consistent with residential home construction.

Project/Site Name:	Catalonia at the Trails	c	
_			Ct
<del>-</del>	ion: Wood	<u>mont Ave. and Bellate</u>	erra St.
City: Albuq	uerque		
State: NM			
Zip Code:	87114		
County:	BERNALILLO	_	
Project Latitude:	35.18467	Longitude:	-106.74707
Determination of La	titude/Longitude:		
☐ USGS topographic	map (scale:	)	
☐ EPA Web Site	<b>⋈</b> NM OpenEnviroM	ap 🗆 GPS	
☐ Other (please spe	cify):		
-			
Function of Construc	ction Activity:		
□ Residential	☐ Commercial	☐ Industrial	☐ Linear (roadway)
☐ Linear (Utility)			ecify):
		( <b>op</b> c	

Is your project/site located on federally recognized Country Lands

ROLE	COMPANY	REPRESENTATVIE NAME	PHONE	EMAIL
OPERATOR	DR HORTON, INC.	JOSEPH CORDERO	505-991-5266	JACORDERO@DRHORTON.COM
OWNER	DR HORTON, INC.	JOSEPH CORDERO	505-991-5266	JACORDERO@DRHORTON.COM
BMP MAINTENANCE	SUPERIROR STORMWATER SERVICES	TIM SLATUNAS	505-353-2558	TIM@SUPERIORSTORMWATER.COM
SWPPP INSPECTIONS	GREEN GLOBE ENVIRONMENTAL	TIM SLATUNAS	505-353-2558	TIM@GREENGLOBENM.COM



Rio Grande (Tijeras Arroyo to Alameda Bridge)		AU IR CATEGORY	LOCATION DESCRIPTION		
			5/5C	HUC: 13020203	Rio Grande-Albuquerque
AU ID	WQS REF	WATER TYPE	SIZE	ASSESSED	MONITORING SCHEDULE
NM-2105_51	20.6.4.105	RIVER	15.6 MILES	2020	2023
USE	ATTAINMENT	CAUSE(S)	FIRST LISTED	TMDL DATE	PARAMETER IR CATEGORY
IRR	Fully Supporting				
LW	Fully Supporting	#   \$1.00 belles   managed   100 belles   10	**************************************	** ] **********************************	December and the control of the cont
MWWAL	Not Supporting	Mercury - Fish Consumption Advisor PCBS - Fish Consumption Advisor Dissolved oxygen Temperature	DT 32 (9000)	2023 (est.) 2023 (est.)	5/5C 5/5C 5/5A 5/5A
PC	Not Supporting	E. coli	2020	6/30/2010	4A
PWS	Not Assessed				
WH	Fully Supporting				

No⊠

Tables — K Factor, Whole Soil — Summary By Map Unit Summary by Map Unit — Bernalillo County and Parts of Sandoval and Valencia Counties, New Mexico (NM600) Summary by Map Unit - Bernalillo County and Parts of Sandoval and Valencia Counties, New Mexico (NM600) Map unit name Map unit symbol Percent of AOI Rating Acres in AOI 100.0% Alemeda sandy loam, 0 to 5 percent slopes .24 17.7 AmB **Totals for Area of Interest** 17.7 100.0%



OPERATOR: DR HORTON, INC.

TOTAL SITE AREA: 12.64 ACRES
TOTAL DISTURBED AREA: 12.64 ACRES

RECEIVING WATERS: RIO GRANDE RIVER (TIJERAS ARROYO TO ALAMEDA BRIDGE), TIER 2 SEE ESC-3 FOR IMPAIRMENTS.

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

CATALONIA AT THE TRAILS

TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

M. VALLEJOS, CPESC, CISEC

PROFESSION PROFES

Drawn By:

ESC-3

01/25/2022



### 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 III 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: NMR10040T		
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_adefinitions.pdf)? No		
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_dendangered_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_ehistoric_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		•
Operator Information		
Operator Name: DR HORTON, INC.		
Operator Mailing Address: Address Line 1: 4400 Alameda Blvd.		
Address Line 2: Suite B		City: ALBUQUERQUE
ZIP/Postal Code: 87113		State: NM
County or Similar Division: Bernalillo		
Operator Point of Contact Information		
First Name Middle Initial Last Name: JOSEPH CORDERO		
Title: CONSTRUCTION MANAGER		
Phone: 505-991-5266	Ext.:	
Email: JACORDERO@DRHORTON.COM		
NOI Preparer Information		
$\overline{\!$		
First Name Middle Initial Last Name: Mathew F Vallejos		
Organization: Green Globe Environmental		
Phone: (505) 304-8473	Ext.:	
Email: matt@greenglobenm.com		
Project/Site Information		•
Project/Site Name: CATALONIA AT THE TRAILS		
Project/Site Address		
Address Line 1: WOODMONT AVE. AND BELLATERRA ST.		
Address Line 2:		City: ALBUQUERQUE
ZIP/Postal Code: 87114		State: NM
County or Similar Division: Bernalillo		
Latitude/Longitude: 35.184787°N, 106.747217°W		
Latitude/Longitude Data Source: Map		Horizontal Reference Datum: WGS 84

Project Start Date: 07/15/2021 Project End Date: 07/15/2023 Estimated Area to be Disturbed: 12.75

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

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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\_2\_and\_tier\_2.5\_waters\_508.pdf)

Yes

#### 001: Boca Negro Arroyo

 $\textbf{Latitude/Longitude:}\ \underline{35.17886^\circ\text{N},\,106.746489^\circ\text{W}}$ 

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 (Tijeras Arroyo to Alameda Bridge)

Latitude/Longitude: 35.135563°N, 106.686813°W

Tier Designation: Tier 2

Is this receiving water impaired (on the CWA 303(d) list)?  $\underline{\text{Yes}}$ 

Impaired Pollutants:

• E. coli

Dissolved oxygen

Temperature

Has a TMDL been completed for this receiving waterbody?  $\underline{\text{Yes}}$ 

TMDL ID: NM2105 Name: RIO GRANDE (TIJERAS ARROYO TO ALAMEDA BRIDGE)

TMDL Pollutants:

E. coli

Stormwater Pollution Prevention Plan (SWPPP)

.

First Name Middle Initial Last Name: JOSEPH CORDERO

Organization:

Title: CONSTRUCTION MANAGER

Phone: 505-991-5266 Ext.:

Email: JACORDERO@DRHORTON.COM

Endangered Species Protection

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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)

★ 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

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 obtained and the information submitted is obtained by the info

Certified By: Joseph A. Cordero

Certifier Title: Construction Manager

Certifier Email: jacordero@drhorton.com

Certified On: 01/27/2022 10:31 AM ET