

August 7, 2024



ENTECH
ENGINEERING, INC.

505 ELKTON DRIVE
COLORADO SPRINGS, CO 80907
PHONE (719) 531-5599

Monument Ridge East, LLC
101 North Cascade Avenue, Suite 10
Colorado Springs, Colorado 80903

Attn: Norbie Larsen

Re: Response to Review Comments
Monument Ridge East
Monument Hill Road and Palmer Divide Road
El Paso, Colorado
Entech Job No. 230248

Ref: Entech Engineering, Inc., dated March 7, 2023. *Soils and Geology Study, Monument Ridge East, Monument Hill Road and Palmer Divide Road, El Paso County, Colorado.* Entech Job No. 230248.

Colorado Geological Survey, dated June 13, 2024. *Monument Ridge East, File No. SP241, CGS Unique No. EP-24-0077.*

WSB, dated September 10, 2021, *Level 2 Wetland Delineation Report, Monument Ridge East Development, Woodmoor, El Paso County, Colorado.* WSB Project No. 18697.

Department of the Army Corps of Engineers, dated March 22, 2022, *Jurisdictional Determination – Action No. SPA-2005-00679.*

Dear Mr. Larsen:

Entech Engineering, Inc. (Entech) has reviewed the CGS comments dated June 13, 2024 on the proposed Monument Ridge East development. This letter presents our responses to the CGS comments. It should be noted that additional investigation/design will be required and completed as the project continues through the development process.

The CGS comments, *WSB Level 2 Wetland Delineation Report, and USACE Jurisdictional Determination letter* are attached with this response letter. The responses to their comments are presented below:

ENTECH ENGINEERING, INC. RESPONSES

Entech Response to Comment 1: The Geology/Engineering Geology Map has been updated and is included with the revised report.

Entech Response to Comment 2: The proposed grading indicates significant cuts of up to 20 to 24 feet across the site. Four piezometers were recently installed in areas of proposed cuts, and where shallow water conditions were previously encountered in Test Boring Nos. 1 – 4. Significant drainage improvements and interceptor drains are planned. Additional site investigation will be conducted during the development process and recommendations regarding an underdrain system will be provided. The underdrain system must have a daylight to function properly. At this time, we do not believe that a general “no basement” statement is warranted. This statement should be used for areas where further investigation/analysis determines that basement construction is not feasible.

Entech Response to Comment 3: Foundations should be 3 feet above water for typical construction practices. Areas of shallow water will be further evaluated to determine mitigation measures required for the proposed construction. Mitigation measures may include raising the site grades, interceptor drains, and utility drains. Entech will continue to monitor the temporary piezometers throughout the coming seasons and during the development process. The readings



will be utilized to evaluate the development. Additional piezometers may be recommended following site grading and utility installation.

Entech Response to Comment 4: Figure 7 has been updated, and a geologic hazard note provided for the preliminary plan/plat.

Entech Response to Comment 5: Entech is in agreement that lots should not be located within the delineated jurisdictional wetlands located in the northern and northwestern portions of the site. The jurisdictional wetlands lie within no-build areas and will be avoided by the development.

Entech Response to Comment 6: Entech is in agreement that filling of the natural drainages will not mitigate the shallow groundwater conditions and an undrain system will be needed. Additional site investigation will be conducted during the development process and recommendations regarding an underdrain system will be provided. The underdrain system must have a daylight to function properly.

We trust this has provided you with the information you require. If you have any questions or need additional information, please do not hesitate to contact us.

Respectfully Submitted,

ENTECH ENGINEERING, INC.

A handwritten signature in blue ink, appearing to read "Logan L. Langford".

Logan L. Langford, P.G.
Sr. Geologist

Reviewed by:



Joseph C. Goode, Jr., P.E.
President

LLL:JCG

Encl.

F:\AA Projects\2023\230248-Monument Ridge East-Monument Hill Rd & Palmer Divide Rd-300-SGS\Reports\230248 CGS Response Letter.docx

EP-24-0077 Monument Ridge East
N½ Section 2, T11S, R67W, 6th Meridian
39.1284, -104.8624
File Number: SP241
Preliminary plan to create 342 residential lots on 63 acres.

With this referral, we received a request to provide Review Comments (Email dated 6/13/2024); Construction Drawings (Drexel, Barrell & CO., January 3, 2024); Preliminary Drainage Report (PRC Engineering, April 2024); Preliminary Plan Drawings (Bear Creek Surveying, Inc., 4/12/2024); Soil and Geology Study (Entech Engineering, Inc., 3/7/2023), and other documents. We offer the following comments and recommendations.

1. Entech encountered groundwater at depths ranging from 1 to 10 feet during drilling. However, figure 7 of their report fails to depict this shallow groundwater in the relevant areas. Test Boring No. 3, which includes groundwater at 1 foot, is mapped as Colluvium and Dawson Formation without shallow groundwater. It is imperative that Figure 7 is revised to reflect the geologic hazards and constraints.
2. Entech states (page 11), “*Proposed grading plans indicate these areas that have been mapped in lot areas will be filled and raised above the seasonally shallow and potentially seasonally shallow groundwater areas.*” In our cursory review of the preliminary plan with existing and proposed grades, it appears that most of the site will contain significant cuts to achieve the proposed grades, in some areas up to 20 feet. Due to the shallow groundwater conditions at this site and the cuts planned, **no basements should be allowed.**
3. CGS agrees with Entech (page 10), “Foundations should maintain a minimum separation of 3 feet between the foundation grade and the maximum anticipated groundwater level.” The maximum anticipated groundwater level should be determined during the preliminary plat application by performing a groundwater observation/monitoring program. Site grades may require filling to accommodate this recommendation. CGS recommends that a groundwater observations/monitoring program is performed in areas of shallow groundwater and potentially shallow groundwater. To be effective, this monitoring should be performed through Spring/Summer/Fall/Winter 2024.
4. A geologic hazard note is not included in the preliminary plan drawings. CGS recommends updating Figure 7 of Entech’s report and adding a note to the preliminary plan/plat listing the geologic hazards and constraints, along with mitigation measures.
5. Wetlands (Freshwater Emergent/Freshwater Forested/Shrub Wetland) are located within the site. However, these areas do not appear to be portrayed correctly in Figure 7 of Entech’s report. These areas are associated with standing water; lots should not be located within these areas, a setback should be established, and these areas should be designated as “No Build Areas”. Setbacks and no build areas should be noted on the plans.
6. CGS has concerns with lots and future improvements constructed over the existing drainage that runs north and south through the site, even following grading operations, as this natural drainage can be an area where water will continue to migrate. CGS recommends that if lots are planned (or allowed) within/near the existing drainage (after rerouting and site grading occurs), these areas be further evaluated during site-specific geotechnical investigations to determine the impact (i.e., groundwater conditions, differential settlement, etc.) on future development. It would be prudent to install a drain system within the existing drainage prior to grading operations if it is not planned already.

Submitted 6/13/2024 by Amy Crandall, Colorado Geological Survey: acrandall@mines.edu



**WSB, Level 2 Wetlands Delineation Report, dated September
10, 2021, WSB Project No. 18697**



LEVEL 2 WETLAND DELINEATION REPORT

Monument Ridge East Development

Woodmoor | EL PASO COUNTY, COLORADO

SEPTEMBER 10, 2021

Prepared for:
Monument Ridge East, LLC
5505 List Drive
Colorado Springs, CO 80919

WSB PROJECT NO. 18697

LEVEL 2 WETLAND DELINEATION REPORT

Monument Ridge East Development

For:

Monument Ridge East, LLC

September 10, 2021

Prepared by:



CERTIFICATION

The report was prepared by:

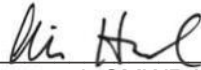


Shawn Williams, CMWP No.1178

Date: September 10, 2021

Title: Senior Environmental Scientist

I hereby certify that this report was reviewed by me and that I am a
Certified Minnesota Wetland Professional (CMWP).



Alison Harwood, CMWP No.1238

Date: September 10, 2021

Title: Director of Natural Resources

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SECTION I

I. Introduction

A. Project Location

The project is located immediately southeast of the intersection of Interstate 25 and Palmer Divide Road in the City of Monument (Woodmoor), El Paso County, CO. The project area consists of approximately 66 acres (**Figure 1, Appendix A**).

B. Project Purpose

Monument Ridge East, LLC is proposing a residential development at this location. This report is intended to address all jurisdictional Waters of the United States (WOUS) for final design and permitting of this project. This project was authorized by Monument Ridge East, LLC.

C. Project Scope

The scope of this project was to delineate all wetlands within the outlined project area.

D. Summary of Findings

A Level 2 wetland delineation was performed on the site. A total of two (2) wetlands were identified and delineated in the preparation of this report, as summarized in **Table 1**. For a visual representation of the wetland locations and size, please see **Figure 6, Appendix B**. All potential wetland areas (mapped hydric soils, NWI signatures, and low depressional areas) were reviewed on-site and either delineated or determined to be upland.

Table 1: Summary of Delineated Wetlands, Monument Ridge East, El Paso County, Colorado

Wetland ID	Delineation Method	No. Flags/ No. Transects	Circular 39 (Cowardin)	NWI *	CO Stream Segments*	County Soil Survey (Hydric/N on-Hydric)***	Wetland Size (acres)
A	Level 2	1-28/1	Type 1/3 (PEM1A/ PEM1C)	Yes	N/A	1 (Alamosa loam)	0.90
B	Level 2	1-9/1	Type 1 (PEM1A)	Yes	N/A	1 (Alamosa loam)	0.40

SECTION II

II. Delineation Procedure

A. Off-Site Determination: Base Map Review

Topography: The landform consists of sloping hills and two wetlands. The wetlands were located at two mapped low drainageways. Water generally flows north (**Figure 2, Appendix A**).

The Colorado Department of Public Health and Environment – Water Quality Control Division 2020 *Spatial Representation of Stream Segment* data (CDPHE 2020) shows no stream segments in the project area (**Figure 3, Appendix A**).

The *National Wetlands Inventory Map* (US Fish and Wildlife Service) identified three wetland types as part of the National Wetlands Inventory (NWI) (**Figure 4, Appendix A**). The NWI identifies the following wetland types: PEM1C, PSS1C, and R4SBC.

The *Soil Survey of El Paso County, Colorado* (<https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>) identified the following soils (**Table 2**) within the project area (**Figure 5, Appendix A**):

Table 2: Soil Survey

Map Symbol	Soil Unit Name	Percent Hydric	Rating
1	Alamosa loam, 1 to 3 percent slopes	85	Predominantly hydric
69	Peyton-Pring complex, 8 to 15 percent slopes	0	Not hydric
92	Tomah-Crowfoot loamy sands, 3 to 8 percent slopes	0	Not hydric
PrE2	Peyton-Pring-Crowfoot Complex, 8-15 percent slopes	0	Not hydric
Lw	Loamy Wet Alluvial Land	1	Predominantly not hydric

Antecedent Climate Conditions: The *U.S. Drought Monitor* (UNL) was referenced to determine the status of drought conditions within El Paso County, preceding the August 26, 2021 site visit, which fell within the normal precipitation range. The U.S. Drought Monitor is jointly produced by the National Drought Mitigation Center (NDMC) at the University of Nebraska-Lincoln, the United States Department of Agriculture, and the National Oceanic and Atmospheric Administration. The map is courtesy of NDMC. The Drought Monitor record for August 26, 2021 can be found in **Appendix D**.

B. On-Site Determination

A Level 2 field investigation was conducted by Shawn Williams (Certified Minnesota Wetland Professional - CMWP No. 1178) of WSB on August 26, 2021 within the project area. No deviation or omissions were undertaken as part of this investigation.

The project area was delineated using the routine methodology described in the *Corps of Engineers Wetlands Delineation Manual* (US Army Corps of Engineers 1987), with additional guidance provided by the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0)*. Wetlands were classified according to the methodologies set forth in *Wetlands of the United States (Circular 39)*, USFWS Shaw and Fredine 1971 and *Classification of Wetlands and Deepwater Habitats of the United States*, Cowardin 1979. The wetland types in this report are classified by the Circular 39 and Cowardin Classifications.

SECTION II

Soil types were researched prior to the on-site investigation with the assistance of the *Soil Survey of El Paso County* from the National Resources Conservation Service. All soil test pits were excavated to a minimum depth of 24 inches unless otherwise noted. Soil colors were described on-site per the *Munsell Soil Color Charts* (2009 Revised Edition) from the test pits in and adjacent to the wetlands. Hydric soils were identified using the current technical criteria for hydric soils developed by the NRCS in 2017 (Version 8.1). The presence of water was observed after time was allowed for movement of water through the substrate. This time varied depending upon soil characteristics.

The quadrant sampling method was employed for all sample points unless otherwise noted. Vegetation was measured as actual areal cover and may exceed 100 percent of total area due to overlap. Grasses and herbaceous vegetative cover were measured within a circular plot of a 5-foot-radius, all woody shrubs and saplings were measured within a circular plot with a 15-foot-radius, and trees and woody vines were measured in a 30-foot-radius circular plot. Regional plant identification resources were utilized in the identification of plant species, with indicator status taken from the *2018 National Wetland Plant List* (US Army Corps of Engineers 2018). Plant species dominance was estimated based on the absolute percent coverage for herbaceous, shrub-sapling, and tree strata if present. In addition to the use of indicators of hydrology, hydric soils, and the presence of hydrophytic vegetation, other evidence such as topographic breaks and watershed characteristics were used to determine the wetland boundary.

Western Mountains, Valleys, and Coast Regional Supplement Routine Wetland Delineation data forms were used to record vegetation, hydrology, and soil characteristics at sample points in and adjacent to the wetlands (**Appendix B**). Sampling transects were taken along the wetland-upland boundary of the wetland. Transects and delineated wetland boundaries were field surveyed using a sub-meter accuracy hand-held GPS unit. Approximate sampling points and delineated wetland edges are shown on **Figure 6, Appendix B**. Pictures of each wetland can be found in **Appendix C**.

SECTION IV

III. Results and Wetland Information

The wetland delineation data forms (**Appendix B**) and photos (**Appendix C**) are attached. A summary of the delineation is below.

A. Wetland A

Circular 39: 1/3

Cowardin: PEM1A/PEM1C

Soil mapping unit: Alamosa loam (1)

No. Transects: 1 **No. Additional Sample Points:** 0

Wetland Flags: 1-28

Wetland Size (within Project Area): 0.90 acre

Wetland A is positioned in a sloped depression. The wetland is characterized as a seasonally flooded/shallow marsh wetland. The wetland boundary is outlined in **Figure 6, Appendix B**.

Dominant vegetation in the wetland consisted of Canadian thistle (*Cirsium arvense*) and Hybrid cattail (*Typha x glauca*) in the herb stratum. Hydric soil indicators consisted of Redox Dark Surface (F6). Hydrology indicators included Saturation (A3), Hydrogen Sulfide Odor (C1), Drainage Patterns (B10), Geomorphic Conditions (D2), and FAC-Neutral Test (D5).

Dominant vegetation in the upland consisted of Smooth brome (*Bromus inermis*) and Black bent (*Agrostis gigantea*) in the herb stratum. No hydric soil or hydrology indicators were observed.

The wetland boundary was placed along a slight topographic break where wetland hydrology was no longer observed. Wetland A flows from south to north, and conveys water under Palmer Divide Road via a culvert.

B. Wetland B

Circular 39: 1

Cowardin: PEM1A

Soil mapping unit: Alamosa loam (1)

No. Transects: 1 **No. Additional Sample Points:** 0

Wetland Flags: 1-9

Wetland Size (within Project Area): 0.40 acre

Wetland B is positioned in a sloped depression. The wetland is characterized as a seasonally flooded wetland. The wetland boundary is outlined in **Figure 6, Appendix B**.

Dominant vegetation in the wetland consisted of Canadian thistle (*Cirsium arvense*) and Bluejoint (*Calamagrostis canadensis*) in the herb stratum. Hydric soil indicators consisted of Redox Depressions (F8). Hydrology indicators included Oxidized Rhizospheres along Living Roots (C3), Geomorphic Conditions (D2), and FAC-Neutral Test (D5).

Dominant vegetation in the upland consisted of Smooth brome (*Bromus inermis*) and Common yarrow (*Achillea millefolium*) in the herb stratum. No hydric soil or hydrology indicators were observed.

The wetland boundary was placed along a defined topographic break where wetland hydrology was no longer observed. Wetland B flows from southwest to northeast, and conveys water under Palmer Divide Road via a culvert.

SECTION IV

C. Additional Sampled Areas

Two additional sample points were taken (Sample Point 1 Up, Sample Point 2 Up). These two sample points did not meet at least one of the three wetland criteria, and were determined to be upland.

D. Additional Water Resources

No additional water resources were identified within the project area.

IV. Summary and Closing Statements

Two (2) wetlands were delineated within the project area using the Level 2 method. Two (2) additional areas were investigated but determined to be upland.

The wetland delineation report was completed by Shawn Williams of WSB. This delineation report is being submitted as a request for approval of Wetland Type and Boundary of the wetland described herein. This report supports the Approved Jurisdictional Determination (AJD) request prepared by WSB, dated July 28, 2021. This report is associated with US Department of Army (DA) # SPA-2005-0679.

SECTION V

V. References

The following sources of information were reviewed to assist in performing the wetland delineation.

Literature Sources

Colorado Department of Public Health and Environment – Water Quality Control Division. *2020 Spatial Representation of Stream Segment* data (CDPHE 2020). Available online at Center for Health and Environmental Data | Department of Public Health & Environment (colorado.gov). Accessed 8/30/2021.

Cowardin L.M. USFWS. 1979. *Classification of Wetlands and Deepwater Habitats of the United States*. U.S. Government Printing Office, Carver, D.C. 131 pp.

Fredine, C.G. and S.P. Shaw. 1956. *Wetlands of the United States (Circular 39)*. United States Government Printing Office, Carver, D.C.

Kollmorgen Instruments Corp. 2009 Revised Edition. *Munsell Soil Color Charts*.

National Technical Committee for Hydric Soils. 1991. *Hydric Soils of the United States*. U.S.D.A. Soil Conservation Service. Carver, D.C. Misc. Publication 1491. Revised December 15, 1995.

National Drought Mitigation Center. University of Nebraska-Lincoln. 2021. Available online at [Current Map | U.S. Drought Monitor \(unl.edu\)](#). Accessed 9/7/2021.

United States Army Corps of Engineers. 2018 National Wetland Plant List, version 3.4. Engineer Research and Development Center. Cold Regions Research and Engineering Laboratory, Hanover, NH. <http://wetland-plants.usace.army.mil/>

United States Army Corps of Engineers. August 2010. *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0)*, ed. J. S. Wakeley, R. W. Lichvar, and C. V. Nobel. ERDC/EL TR-10-03. Vicksburg, MS: U.S. Army Engineer Research and Development Center.

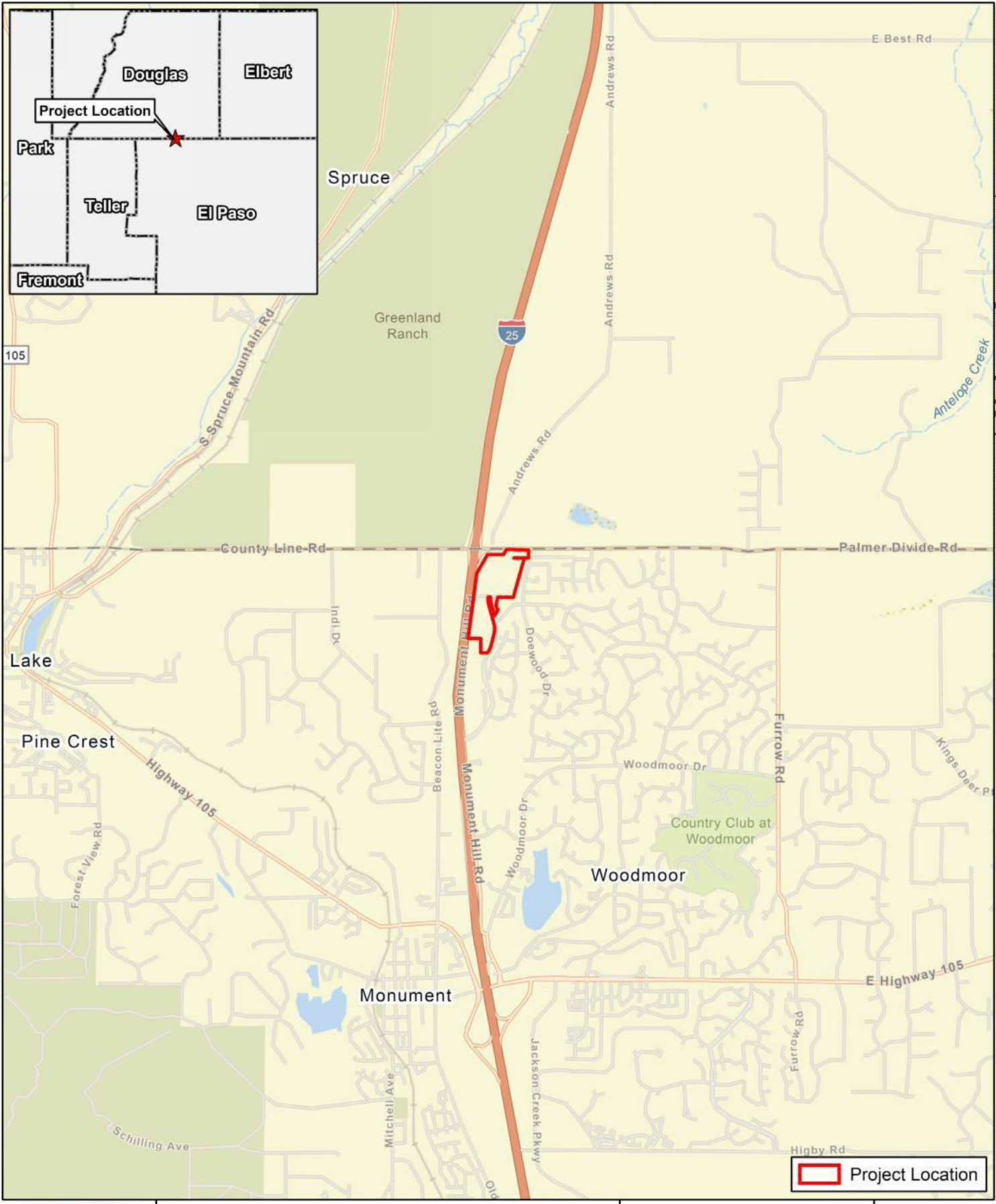
United States Army Corps of Engineers. 1987 2014. *Corps of Engineers Wetlands Delineation Manual*. Technical Report Y-87-1. Version 2.0 Waterways Experiment Station.

Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. *Web Soil Survey, Colorado*. Available online at <http://websoilsurvey.nrcs.usda.gov/>. Accessed 8/25/2021.

APPENDIX

APPENDIX A

- Figure 1: Project Location
- Figure 2: Topography
- Figure 3: CDPHE 2020 Stream Segments
- Figure 4: National Wetlands Inventory
- Figure 5: County Soil Survey



 Project Location



Figure 1 - Project Location

Monument Ridge Development
Woodmoor, Colorado



0 4,000
Feet
1 inch = 4,000 Ft





Figure 2 - Topography

Monument Ridge Development
Woodmoor, Colorado

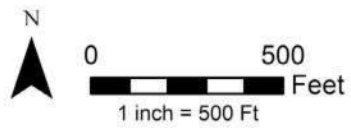




Figure 3 - CDPHE Public Waters

Monument Ridge Development
Woodmoor, Colorado

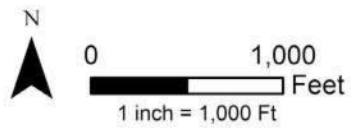
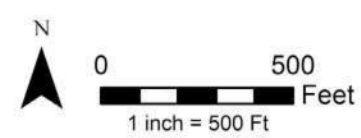
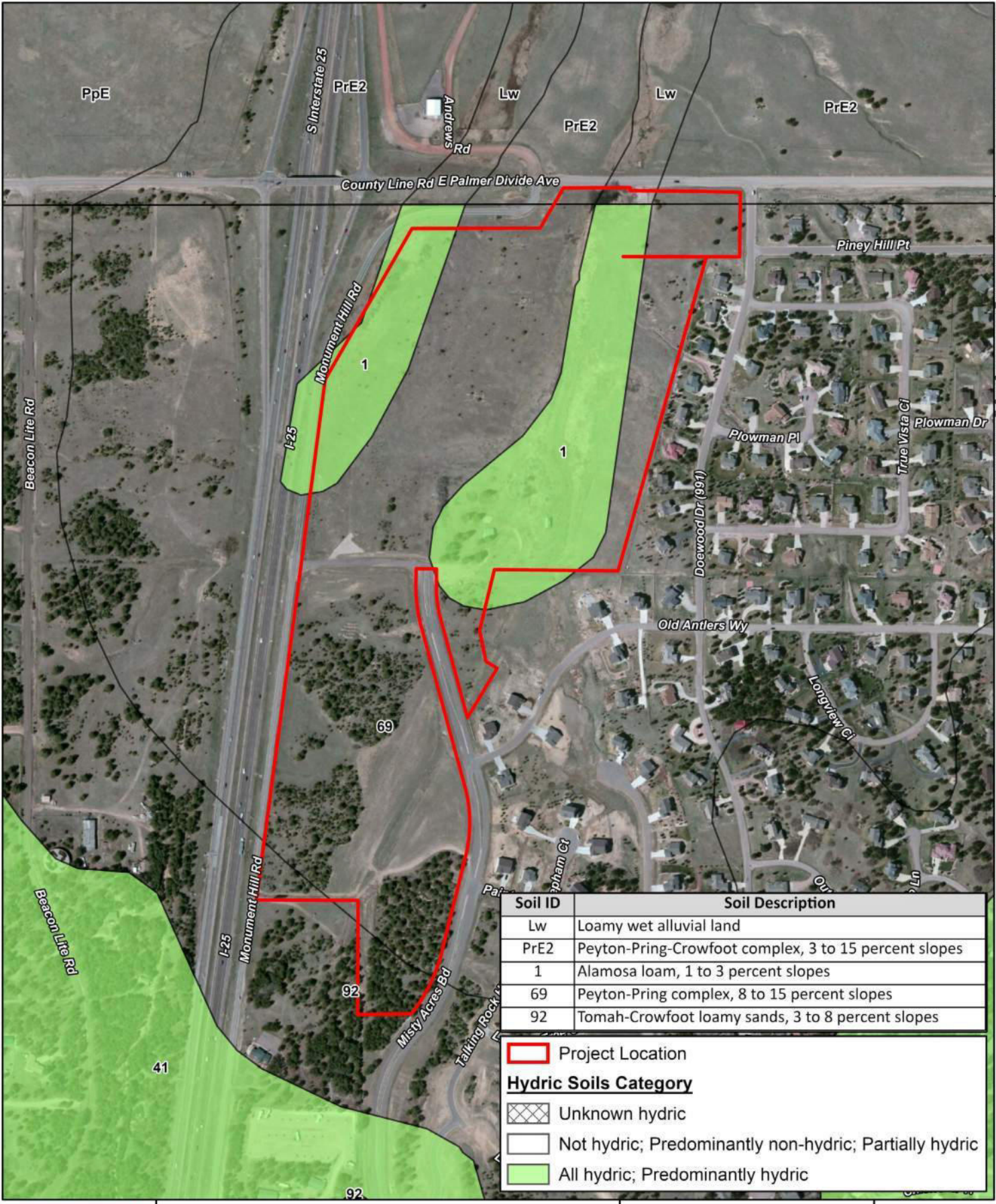




Figure 4 - National Wetlands Inventory

Monument Ridge Development
Woodmoor, Colorado





Soil ID	Soil Description
Lw	Loamy wet alluvial land
PrE2	Peyton-Pring-Crowfoot complex, 3 to 15 percent slopes
1	Alamosa loam, 1 to 3 percent slopes
69	Peyton-Pring complex, 8 to 15 percent slopes
92	Tomah-Crowfoot loamy sands, 3 to 8 percent slopes

Project Location

Hydric Soils Category

Unknown hydric

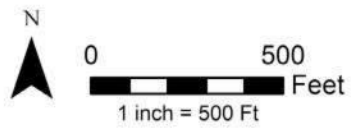
Not hydric; Predominantly non-hydric; Partially hydric

All hydric; Predominantly hydric



Figure 5 - County Soil Survey

Monument Ridge Development
Woodmoor, Colorado



APPENDIX

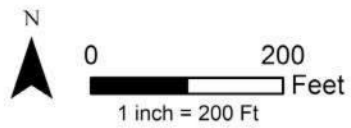
APPENDIX B

Figure 6: Wetland Boundary
Wetland Determination Data Forms



Figure 6 - Wetland Boundary

Monument Ridge Development
Woodmoor, Colorado



WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Monument Ridge East Development City/County: Woodmoor/ El Paso Sampling Date: 8/26/2021
 Applicant/Owner: Monument Ridge East, LLC State: CO Sampling Point: A Wet
 Investigator(s): WSB (Shawn Williams) Section, Township, Range: Sec. 2, T11S, R67W
 Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): concave Slope (%): 4
 Subregion (LRR): E Lat: 39.128710 Long: -104.860271 Datum: WGS 84
 Soil Map Unit Name: Alamosa loam, 1 to 3 percent slopes (1) NWI classification: PEM1C, R4SBC

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30' x 30'</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				
Sapling/Shrub Stratum (Plot size: <u>15' x 15'</u>)				Prevalence Index worksheet:
1. _____	_____	_____	_____	Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				
Herb Stratum (Plot size: <u>5' x 5'</u>)				Hydrophytic Vegetation Indicators:
1. <u>Cirsium arvense</u>	30	Yes	FAC	<input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹ _____ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. <u>Typha x glauca</u>	20	Yes	OBL	
3. <u>Juncus tenuis</u>	15	No	FAC	
4. <u>Mentha arvensis</u>	10	No	FACW	
5. <u>Persicaria amphibia</u>	10	No	OBL	
6. <u>Calamagrostis canadensis</u>	5	No	FACW	
7. <u>Geum allepicum</u>	5	No	FACW	
8. <u>Verbascum thapsus</u>	5	No	FACU	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
100 = Total Cover				
Woody Vine Stratum (Plot size: <u>30' x 30'</u>)				Hydrophytic Vegetation Present?
1. _____	_____	_____	_____	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum <u>0</u>				
Remarks:				

SOIL

Sampling Point: A Wet

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-14	10YR 4/1	95	7.5YR 3/4	5	C	PL	silt loam	
14-24	10YR 4/1	90	7.5YR 3/4	10	C	M	sand	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1) (**except MLRA 1**)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10)
- Red Parent Material (TF2)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1)
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat or Crust (B4)
- Iron Deposits (B5)
- Surface Soil Cracks (B6)
- Inundation Visible on Aerial Imagery (B7)
- Sparsely Vegetated Concave Surface (B8)
- Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B**)
- Salt Crust (B11)
- Aquatic Invertebrates (B13)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres along Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Stunted or Stressed Plants (D1) (**LRR A**)
- Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- Water-Stained Leaves (B9) (**MLRA 1, 2, 4A, and 4B**)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Saturation Visible on Aerial Imagery (C9)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)
- Raised Ant Mounds (D6) (**LRR A**)
- Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes No Depth (inches): _____
 Water Table Present? Yes No Depth (inches): _____
 Saturation Present? Yes No Depth (inches): ⁰ _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Monument Ridge East Development City/County: Woodmoor/ El Paso Sampling Date: 8/26/2021
 Applicant/Owner: Monument Ridge East, LLC State: CO Sampling Point: A Up
 Investigator(s): WSB (Shawn Williams) Section, Township, Range: Sec. 2, T11S, R67W
 Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): none Slope (%): 5
 Subregion (LRR): E Lat: 39.128710 Long: -104.860271 Datum: WGS 84
 Soil Map Unit Name: Alamosa loam, 1 to 3 percent slopes (1) NWI classification: _____

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes _____ No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes _____	No <input checked="" type="checkbox"/>	
Wetland Hydrology Present?	Yes _____	No <input checked="" type="checkbox"/>	
Remarks:			

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30' x 30'</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>2</u> (B)	
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50</u> (A/B)	
4. _____	_____	_____	_____	Prevalence Index worksheet:	
_____ = Total Cover					Total % Cover of: _____ Multiply by: _____
Sapling/Shrub Stratum (Plot size: <u>15' x 15'</u>)				OBL species _____ x 1 = _____	
1. _____	_____	_____	_____	FACW species _____ x 2 = _____	
2. _____	_____	_____	_____	FAC species <u>65</u> x 3 = <u>195</u>	
3. _____	_____	_____	_____	FACU species <u>5</u> x 4 = <u>20</u>	
4. _____	_____	_____	_____	UPL species <u>30</u> x 5 = <u>150</u>	
5. _____	_____	_____	_____	Column Totals: <u>100</u> (A) <u>365</u> (B)	
_____ = Total Cover				Prevalence Index = B/A = <u>3.65</u>	
Herb Stratum (Plot size: <u>5' x 5'</u>)				Hydrophytic Vegetation Indicators:	
1. <u>Bromus inermis</u>	<u>30</u>	<u>Yes</u>	<u>UPL</u>		<input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation
2. <u>Agrostis gigantea</u>	<u>30</u>	<u>Yes</u>	<u>FAC</u>		<input type="checkbox"/> 2 - Dominance Test is >50%
3. <u>Cirsium arvense</u>	<u>15</u>	<u>No</u>	<u>FAC</u>		<input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹
4. <u>Geum macrophyllum</u>	<u>15</u>	<u>No</u>	<u>FAC</u>		<input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5. <u>Juncus tenuis</u>	<u>5</u>	<u>No</u>	<u>FAC</u>		<input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹
6. <u>Achillea millefolium</u>	<u>5</u>	<u>No</u>	<u>FACU</u>		<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
7. _____	_____	_____	_____		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8. _____	_____	_____	_____		
9. _____	_____	_____	_____		
10. _____	_____	_____	_____		
11. _____	_____	_____	_____		
<u>100</u> = Total Cover				Hydrophytic Vegetation Present? Yes _____ No <input checked="" type="checkbox"/>	
Woody Vine Stratum (Plot size: <u>30' x 30'</u>)					
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
_____ = Total Cover					
% Bare Ground in Herb Stratum <u>0</u>					
Remarks:					

SOIL

Sampling Point: A Up

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-16	10YR 3/2	100					silt loam	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)		Indicators for Problematic Hydric Soils³:
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> 2 cm Muck (A10)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Red Parent Material (TF2)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1)	<input type="checkbox"/> Very Shallow Dark Surface (TF12)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Depleted Dark Surface (F7)	³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Redox Depressions (F8)	

Restrictive Layer (if present): Type: <u>refusal</u> Depth (inches): <u>16</u>	Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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Remarks:

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Salt Crust (B11)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Aquatic Invertebrates (B13)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Presence of Reduced Iron (C4)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Drainage Patterns (B10)
	<input type="checkbox"/> Dry-Season Water Table (C2)
	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
	<input type="checkbox"/> Geomorphic Position (D2)
	<input type="checkbox"/> Shallow Aquitard (D3)
	<input type="checkbox"/> FAC-Neutral Test (D5)
	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A)
	<input type="checkbox"/> Frost-Heave Hummocks (D7)

Field Observations: Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Monument Ridge East Development City/County: Woodmoor/ El Paso Sampling Date: 8/26/2021
 Applicant/Owner: Monument Ridge East, LLC State: CO Sampling Point: B Wet
 Investigator(s): WSB (Shawn Williams) Section, Township, Range: Sec. 2, T11S, R67W
 Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): concave Slope (%): 4
 Subregion (LRR): E Lat: 39.129093 Long: -104.862403 Datum: WGS 84
 Soil Map Unit Name: Alamosa loam, 1 to 3 percent slopes (1) NWI classification: PEM1C, R4SBC

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30' x 30'</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>2</u> (B)	
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)	
4. _____	_____	_____	_____	Prevalence Index worksheet:	
= Total Cover					Total % Cover of: _____ Multiply by: _____
Sapling/Shrub Stratum (Plot size: <u>15' x 15'</u>)				OBL species _____ x 1 = _____	
1. _____	_____	_____	_____	FACW species _____ x 2 = _____	
2. _____	_____	_____	_____	FAC species _____ x 3 = _____	
3. _____	_____	_____	_____	FACU species _____ x 4 = _____	
4. _____	_____	_____	_____	UPL species _____ x 5 = _____	
5. _____	_____	_____	_____	Column Totals: _____ (A) _____ (B)	
= Total Cover				Prevalence Index = B/A = _____	
Herb Stratum (Plot size: <u>5' x 5'</u>)				Hydrophytic Vegetation Indicators:	
1. <u>Calamagrostis canadensis</u>	<u>75</u>	<u>Yes</u>	<u>FACW</u>		<input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation
2. <u>Cirsium arvense</u>	<u>20</u>	<u>Yes</u>	<u>FAC</u>		<input checked="" type="checkbox"/> 2 - Dominance Test is >50%
3. _____	_____	_____	_____		<input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹
4. _____	_____	_____	_____		<input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5. _____	_____	_____	_____		<input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹
6. _____	_____	_____	_____		<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
7. _____	_____	_____	_____		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8. _____	_____	_____	_____		
9. _____	_____	_____	_____		
10. _____	_____	_____	_____		
11. _____	_____	_____	_____		
95 = Total Cover				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Woody Vine Stratum (Plot size: <u>30' x 30'</u>)					
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
= Total Cover					
% Bare Ground in Herb Stratum <u>5</u>					
Remarks:					

SOIL

Sampling Point: B Wet

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-15	10YR 4/1	95	7.5YR 3/4	5	C	PL	silt loam	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1) (**except MLRA 1**)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10)
- Red Parent Material (TF2)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No _____

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1)
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat or Crust (B4)
- Iron Deposits (B5)
- Surface Soil Cracks (B6)
- Inundation Visible on Aerial Imagery (B7)
- Sparsely Vegetated Concave Surface (B8)
- Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B**)
- Salt Crust (B11)
- Aquatic Invertebrates (B13)
- Oxidized Rhizospheres along Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Stunted or Stressed Plants (D1) (**LRR A**)
- Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- Water-Stained Leaves (B9) (**MLRA 1, 2, 4A, and 4B**)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Saturation Visible on Aerial Imagery (C9)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)
- Raised Ant Mounds (D6) (**LRR A**)
- Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes _____ No Depth (inches): _____
 Water Table Present? Yes _____ No Depth (inches): _____
 Saturation Present? Yes _____ No Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Monument Ridge East Development City/County: Woodmoor/ El Paso Sampling Date: 8/26/2021
 Applicant/Owner: Monument Ridge East, LLC State: CO Sampling Point: B Up
 Investigator(s): WSB (Shawn Williams) Section, Township, Range: Sec. 2, T11S, R67W
 Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): convex Slope (%): 5
 Subregion (LRR): E Lat: 39.129093 Long: -104.862403 Datum: WGS 84
 Soil Map Unit Name: Alamosa loam, 1 to 3 percent slopes (1) NWI classification: _____

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes _____ No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes _____	No <input checked="" type="checkbox"/>	
Wetland Hydrology Present?	Yes _____	No <input checked="" type="checkbox"/>	
Remarks:			

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30' x 30'</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
Sapling/Shrub Stratum (Plot size: <u>15' x 15'</u>)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				
Herb Stratum (Plot size: <u>5' x 5'</u>)				
1. <u>Bromus inermis</u>	60	Yes	UPL	
2. <u>Achillea millefolium</u>	20	Yes	FACU	
3. <u>Symphotrichum ericoides</u>	5	No	FAC	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
85 = Total Cover				
Woody Vine Stratum (Plot size: <u>30' x 30'</u>)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum _____				
Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 - Dominance Test is >50% <input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹ <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
Hydrophytic Vegetation Present? Yes _____ No <input checked="" type="checkbox"/>				
Remarks:				

SOIL

Sampling Point: B Up

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-7	10YR 5/3						silt	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1) (**except MLRA 1**)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10)
- Red Parent Material (TF2)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: refusal
 Depth (inches): 7

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1)
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat or Crust (B4)
- Iron Deposits (B5)
- Surface Soil Cracks (B6)
- Inundation Visible on Aerial Imagery (B7)
- Sparsely Vegetated Concave Surface (B8)
- Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B**)
- Salt Crust (B11)
- Aquatic Invertebrates (B13)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres along Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Stunted or Stressed Plants (D1) (**LRR A**)
- Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- Water-Stained Leaves (B9) (**MLRA 1, 2, 4A, and 4B**)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Saturation Visible on Aerial Imagery (C9)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)
- Raised Ant Mounds (D6) (**LRR A**)
- Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes No Depth (inches): _____
 Water Table Present? Yes No Depth (inches): _____
 Saturation Present? Yes No Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Monument Ridge East Development City/County: Woodmoor/ El Paso Sampling Date: 8/26/2021
 Applicant/Owner: Monument Ridge East, LLC State: CO Sampling Point: 1 Up
 Investigator(s): WSB (Shawn Williams) Section, Township, Range: Sec. 2, T11S, R67W
 Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): concave Slope (%): 4
 Subregion (LRR): E Lat: 39.128056 Long: -104.860204 Datum: WGS 84
 Soil Map Unit Name: Alamosa loam, 1 to 3 percent slopes (1) NWI classification: PEM1C/R4SBC

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks:	

VEGETATION – Use scientific names of plants.

<u>Tree Stratum</u> (Plot size: <u>30' x 30'</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)	
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>2</u> (B)	
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50</u> (A/B)	
4. _____	_____	_____	_____	Prevalence Index worksheet:	
= Total Cover					Total % Cover of: _____ Multiply by: _____
<u>Sapling/Shrub Stratum</u> (Plot size: <u>15' x 15'</u>)				OBL species _____ x 1 = _____	
1. _____				FACW species _____ x 2 = _____	
2. _____				FAC species <u>30</u> x 3 = <u>90</u>	
3. _____				FACU species _____ x 4 = _____	
4. _____				UPL species <u>70</u> x 5 = <u>350</u>	
5. _____				Column Totals: <u>100</u> (A) <u>440</u> (B)	
= Total Cover				Prevalence Index = B/A = <u>4.4</u>	
<u>Herb Stratum</u> (Plot size: <u>5' x 5'</u>)				Hydrophytic Vegetation Indicators:	
1. <u>Bromus inermis</u>	<u>70</u>	<u>Yes</u>	<u>UPL</u>		<input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation
2. <u>Cirsium arvense</u>	<u>30</u>	<u>Yes</u>	<u>FAC</u>		<input type="checkbox"/> 2 - Dominance Test is >50%
3. _____					<input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹
4. _____					<input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5. _____					<input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹
6. _____					<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
7. _____					¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8. _____					
9. _____					
10. _____					
11. _____					
= Total Cover				Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
<u>Woody Vine Stratum</u> (Plot size: <u>30' x 30'</u>)					
1. _____					
2. _____					
= Total Cover					
% Bare Ground in Herb Stratum <u>0</u>					
Remarks:					

SOIL

Sampling Point: 1 Up

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-8	10YR 3/2	90	10YR 4/6	10	C	M	silt loam	
8-24	10YR 4/2	80	10YR 4/6	20	C	M	sand	
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix.								
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)						Indicators for Problematic Hydric Soils³:		
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Redox (S5)				<input type="checkbox"/> 2 cm Muck (A10)			
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Stripped Matrix (S6)				<input type="checkbox"/> Red Parent Material (TF2)			
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1)				<input type="checkbox"/> Very Shallow Dark Surface (TF12)			
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)				<input type="checkbox"/> Other (Explain in Remarks)			
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Matrix (F3)				³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.			
<input type="checkbox"/> Thick Dark Surface (A12)	<input checked="" type="checkbox"/> Redox Dark Surface (F6)							
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Depleted Dark Surface (F7)							
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Redox Depressions (F8)							
Restrictive Layer (if present): Type: _____ Depth (inches): _____						Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____		
Remarks:								

HYDROLOGY

Wetland Hydrology Indicators:					
Primary Indicators (minimum of one required; check all that apply)			Secondary Indicators (2 or more required)		
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)				<input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Salt Crust (B11)				<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Aquatic Invertebrates (B13)				<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)				<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)				<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)				<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)				<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A)				<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Other (Explain in Remarks)				<input type="checkbox"/> Frost-Heave Hummocks (D7)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)					
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)					
Field Observations:					
Surface Water Present?	Yes _____ No <input checked="" type="checkbox"/>	Depth (inches): _____			
Water Table Present?	Yes _____ No <input checked="" type="checkbox"/>	Depth (inches): _____			
Saturation Present? (includes capillary fringe)	Yes _____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Monument Ridge East Development City/County: Woodmoor/ El Paso Sampling Date: 8/26/2021
 Applicant/Owner: Monument Ridge East, LLC State: CO Sampling Point: 2 Up
 Investigator(s): WSB (Shawn Williams) Section, Township, Range: Sec. 2, T11S, R67W
 Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): concave Slope (%): 3
 Subregion (LRR): E Lat: 39.127965 Long: -104.863266 Datum: WGS 84
 Soil Map Unit Name: Alamosa loam, 1 to 3 percent slopes (1) NWI classification: PEM1C/R4SBC

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Wetland Hydrology Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Remarks:			

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30' x 30'</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
= Total Cover				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
Sapling/Shrub Stratum (Plot size: <u>15' x 15'</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
= Total Cover				
Herb Stratum (Plot size: <u>5' x 5'</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹ <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Juncus tenuis</u>	70	Yes	FAC	
2. <u>Cirsium arvense</u>	20	Yes	FAC	
3. <u>Salix interior</u>	10	No	FACW	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
100 = Total Cover				
Woody Vine Stratum (Plot size: <u>30' x 30'</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
= Total Cover				
% Bare Ground in Herb Stratum <u>0</u>				
Remarks:				

SOIL

Sampling Point: 2 Up

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-14	10YR 4/1	100					loamy sand	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1) (**except MLRA 1**)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10)
- Red Parent Material (TF2)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: refusal
 Depth (inches): 14

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1)
- Sediment Deposits (B2)
- Drift Deposits (B3)
- Algal Mat or Crust (B4)
- Iron Deposits (B5)
- Surface Soil Cracks (B6)
- Inundation Visible on Aerial Imagery (B7)
- Sparsely Vegetated Concave Surface (B8)
- Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B**)
- Salt Crust (B11)
- Aquatic Invertebrates (B13)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres along Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Stunted or Stressed Plants (D1) (**LRR A**)
- Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- Water-Stained Leaves (B9) (**MLRA 1, 2, 4A, and 4B**)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Saturation Visible on Aerial Imagery (C9)
- Geomorphic Position (D2)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)
- Raised Ant Mounds (D6) (**LRR A**)
- Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes No Depth (inches): _____
 Water Table Present? Yes No Depth (inches): _____
 Saturation Present? Yes No Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

APPENDIX

APPENDIX C

Wetland Photos

APPENDIX

	<p>Photo 1 – Sample Point 2 Up</p> <p>Date: 8/26/2021</p> <p>Direction Photo is Taken: Southwest</p> <p>Photo Location: Near Sample Point 2 Up</p>
	<p>Photo 2 – Sample Point 2 Up</p> <p>Date: 8/26/2021</p> <p>Direction Photo is Taken: Northeast</p> <p>Photo Location: Near Sample Point 2 Up</p>
	<p>Photo 3 – Wetland B</p> <p>Date: 8/26/2021</p> <p>Direction Photo is Taken: Southwest</p> <p>Photo Location: Looking at Wetland B, from Storm structure.</p>

APPENDIX



Photo 4 – Wetland A

Date: 8/26/2021

Direction Photo is Taken: South

Photo Location: Looking south from East Palmer Divide Road.

APPENDIX

APPENDIX D

Antecedent Precipitation Data

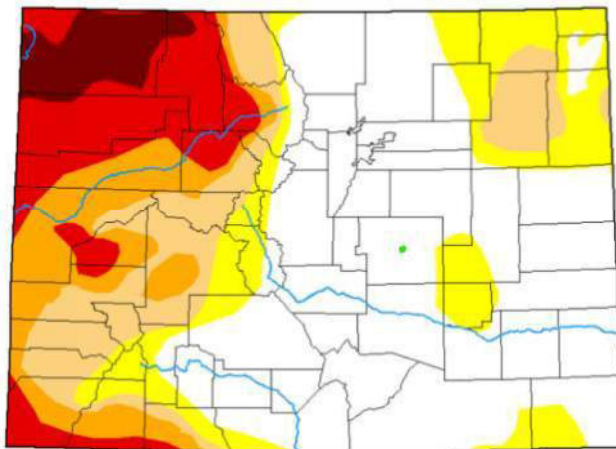
U.S. Drought Monitor

[Current Map](#)[Maps](#)[Data](#)[Summary](#)[About](#)[Conditions & Outlooks](#)[En Español](#)[NADM](#)[Home](#) > Colorado

Colorado

Map released: Thurs. August 26, 2021

Data valid: August 24, 2021 at 8 a.m. EDT



Intensity

	None
	D0 (Abnormally Dry)
	D1 (Moderate Drought)
	D2 (Severe Drought)
	D3 (Extreme Drought)
	D4 (Exceptional Drought)
	No Data

Authors

United States and Puerto Rico Author(s):
Curtis Riganti, National Drought Mitigation Center

Pacific Islands and Virgin Islands Author(s):
Brad Rippey, U.S. Department of Agriculture



**USACE, Jurisdictional Determination Letter,
Action No. SPA-2005-00679**



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, ALBUQUERQUE DISTRICT
400 ROOD AVENUE, ROOM 224
GRAND JUNCTION, COLORADO 81501-2520

March 22, 2022

Regulatory Division

SUBJECT: Jurisdictional Determination – Action No. SPA-2005-00679

Monument Ridge East, LLC
Attn: Don Cannella
5505 List Drive
Colorado Springs, CO 80919
donald.cannella@gmail.com

Dear Mr. Cannella:

This letter responds to your request for a jurisdictional determination (JD) for the property located on wetlands immediately southeast of the intersection of Interstate 25 and Palmer Divide Road, in the unincorporated community of Woodmoor, at latitude 39.1272, longitude -104.8606, in El Paso County, Colorado. We have assigned Action No. SPA-2005-00679 to your request. Please reference this number in all future correspondence concerning the site.

Based on the information provided, we have determined that the site contains waters of the United States that are subject to regulation under Section 404 of the Clean Water Act. The attached JD form contains a list of aquatic resources that are waters of the United States located within the subject property. If you intend to conduct work that could result in a discharge of dredged or fill material into waters of the United States, please contact this office for a determination of Department of the Army permit requirements and refer to Action No. SPA-2005-00679.

The basis for this approved JD (attached) is that the project site contains wetlands with a clear flow path into Relatively Permanent Waters (RPW), Carpenter, East Plum, and Plum Creek, which then flows into Chatfield Reservoir, a Traditional Navigable Water (TNW). A copy of this JD is also available at <http://www.spa.usace.army.mil/reg/JD>. This approved JD is valid for 5 years unless new information warrants revision of the determination before the expiration date.


You may accept or appeal this approved JD or provide new information in accordance with the attached Notification of Administration Appeal Options and Process and Request for Appeal (NAAOP-RFA). If you elect to appeal this approved JD, you must complete Section II of the form and return it to the Army Engineer Division, South Pacific, CESPDPDS-O, Attn: Tom Cavanaugh, Administrative Appeal Review Officer, P.O. Box 36023, 450 Golden Gate Avenue, San Francisco, CA 94102 within 60 days of the date of this notice. Failure to notify the Corps within 60 days of the date of this

notice means that you accept the approved JD in its entirety and waive all rights to appeal the approved JD.

If you have any questions, please contact me at (970) 243-1199 X 1013 or by email at Tyler.R.Adams@usace.army.mil. At your convenience, please complete a Customer Service Survey online at <https://regulatory.ops.usace.army.mil/customer-service-survey/>.

Sincerely,

Tyler
R.
Adams

A red digital signature scribble is positioned over the name "Tyler R. Adams".

Digitally signed
by Tyler R.
Adams
Date:
2022.03.22
15:26:46 -06'00'

Tyler R. Adams
Project Manager NW
Colorado Branch

Enclosures