

fenced separately for safety purposes and to reduce the visual impact of the facility. The fencing will be located directly around each group of arrays. The fencing will be 7' in height in total, 6' of 11-gage mesh, and 1' of high visibility wire on top.

(16) Surface Water Quality

- (a) Map or description of surface water relevant to the Project, including description of provisions of the applicable regional water quality management plan, and NPDES Phase II Permit and necessary El Paso County Erosion and Stormwater Quality Control Permit, Section 404 Federal Clean Water Act Permit that applies to the Project and assessment of whether the Project would comply with those provisions.**

The proposed drainage patterns will match the existing drainage conditions and historic patterns. Overlot grading and specific areas within the Site will be required to facilitate construction of the solar arrays on adequate slopes. The overlot grading will follow the existing topography and will not alter the historic drainage patterns. Overall impervious area of the site will not increase except for the addition of gravel access roads and the concrete low water crossings throughout the Project. The details can be seen in the Drainage Report (**Appendix S**), Elevation Plans (**Appendix U**) that also indicate water patterns planned. The basis for these requirements and guidelines were found in the El Paso County Drainage Criteria Manual. In acting in further compliance, the State of Colorado EPA National Pollutant Discharge Elimination System (NPDES) Program requires the Applicant to obtain a Construction Stormwater General Permit supply a corresponding Stormwater Management Program Plan (SWMPP). This will help illustrate the ways that the Applicant will be controlling erosion and sediment releases within the Project site. The Applicant will also be requesting a Grading and Erosion Permit with the corresponding Grading, Erosion and Stormwater Quality Control Plan (GESQCP) with El Paso County prior to construction. The plan and associated application will outline possible pollutants, permanent stormwater control measures and mitigation efforts, Best Management Practices and methods for minimizing and eliminating impact to the waters. This submittal will follow the guidelines of the El Paso County Engineering Criteria Manual and the Drainage Criteria Manual, Volume 2. Typically, "Grading and Erosion Control Plan (GEC Plan)" (this is the ESQCP)

Additional information regarding surface water is found within the Non-Wetland Water Features and Wetlands Report dated October 2, 2020 (**Appendix H**). The Applicant used this data to identify potential wetlands features and submit the information to the USACE for Jurisdictional Determination. Communication on this can be found in **Appendix K**.

Additionally, there is a location on the property that the Applicant has specifically designed around to allow CSU to potentially create a reservoir expansion area in the future. The reservoir is not part of the Applicant's project but simply a feature that is intentionally preserved to maintain surface water quality. This is located within a 100-year floodplain location and is avoided in order to allow for future surface water development within the boundaries of the Project site. These features can all be identified in the **Appendix D- 1041 Map Plan**.

The Project has worked to abide by the local guidelines for water. The Applicant has reviewed recommendations outlined in the El Paso County Water Master Plan. The Applicant also referred to the Pikes Peak Area Council of Governments Water Quality Plan. The Water Quality Plan was required under federal and state statutes to recommend future policies and technical strategies associated with the watersheds within the area. The Project site is located within the Fountain Creek Watershed.