Section 8 Technical Reports

This section addresses *Larimer County Procedural Guide for 1041 Permits,* Item 8.f, and the criteria and standards described in LUC Sections 4.2.2, 8.1 through 8.4, 8.11, 8.12, 14.10.D.3, 14.10.D.4, and 14.10.D.6 through 14.10.D.11.

The following technical reports are provided in this section:

Section 8.a Wetland Mitigation Plan and 8.b Wildlife Conservation Plan

Sections 8.a and 8.b summarize the Natural and Cultural Resources Assessment Report and Addendum to the Natural and Cultural Resources Assessment found in **Appendix C**. The reports identify possible natural resources within the TWP corridor and associated monitoring and mitigation measures to minimize or eliminate potential impacts. The natural resources presented in the report include:

- Open waters, wetlands, and riparian areas
- Terrestrial and aquatic animals and habitats
- Terrestrial and aquatic plant life
- Noxious weeds

Section 8.c – Natural Hazard Mitigation Plan

The Natural Hazard Mitigation Plan identifies geologic hazard areas within the TWP corridor and associated mitigation measures that could be implemented to minimize potential impacts. The geologic information is based on Larimer County GIS data downloaded in August 2016 from Larimer County's GIS Digital Database.

The TWP corridor is located outside of wildfire hazard areas based on Larimer County GIS data downloaded in August 2016 from Larimer County's GIS Digital Data.

Section 8.d – Traffic Impact Study

As discussed during the Pre-Application Conference with Larimer County Planning staff on May 26, 2016, the Traffic Impact Study includes a traffic narrative that identifies the short- and long-term impacts of vehicular traffic and associated mitigation measures to minimize potential impacts. The narrative was developed in consideration with area goals and transportation improvement plans outlined in the *Larimer County Transportation Master Plan*.

Section 8.e – Drainage and Erosion Control Report and Plan

As discussed during the Pre-Application Conference, the Drainage and Erosion Control Report and Plan includes a drainage narrative. This section presents the existing site drainage within the TWP corridor including drainage watersheds and general flow paths, construction water quality management, and post-construction stormwater runoff. Possible mitigation measures to minimize potential impacts are also included.

Section 8.f – Floodplain Hydraulic/Hydrologic Modeling Report

The Floodplain Hydraulic/Hydrologic Modeling Report identifies floodplains within the TWP. The TWP will not alter floodplains.

Section 8.g – Groundwater Modeling Report

As discussed during the Pre-Application Conference, the Groundwater Modeling Report consists of a simplified groundwater report that discusses construction methods and proposed best management practices (BMPs) to mitigate potential impacts to existing groundwater flow characteristics.

Section 8.h – Non-Subdivision Water Supply Inquiry (Not Required)

As discussed during the Pre-Application Conference, a Non-Subdivision Water Supply Inquiry is not required.

Section 8.i – Simulation of the Appearance of the Facility (Not Required)

As discussed during the Pre-Application Conference, a Simulation of the Appearance of the Facility is not required.

Section 8.j – Computer Modeled Electromagnetic Field Measurements (Not Required)

As discussed during the Pre-Application Conference, a Computer Modeled Electromagnetic Field Measurement is not required.

Section 8.k – Noise Analysis

The Noise Analysis presents anticipated noise impacts during construction and post-construction operations and associated mitigation measures that could be implemented to meet the most current Larimer County Noise Level Ordinance.

Section 8.l – Air Quality Impact and Mitigation Report

The Air Quality Impact and Mitigation Report identifies potential sources of air pollution during construction and post-construction operations and associated mitigation measures that could be implemented to minimize potential impacts.