Mitigation Monitoring and Reporting Program for the Ella Way Well Project

Citrus Heights Water District

Prepared with the Technical Assistance of:
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1 Introduction

1.1 Purpose of the Mitigation Monitoring Program

Section 21081.6 of the California Public Resources Code requires that:

A public agency shall adopt a reporting or monitoring program for the changes to the project which it has adopted or made a condition of project approval in order to mitigate or avoid significant effects on the environment. This mitigation monitoring program applies to mitigation measures adopted as part of EIRs or negative declarations.

The purpose of the Mitigation Monitoring and Reporting Program is to ensure that the mitigation measures included in the Initial Study/Mitigated Negative Declaration (IS/MND) for the Ella Way Well project are implemented.

1.2 Description of Project

The project under evaluation in this Initial Study/Mitigated Negative Declaration is the construction and operation of a new municipal water well within the Citrus Heights Water District (CHWD) service area. The proposed project would be constructed on a 0.55-acre portion of an existing 1.55-acre parcel, Assessor’s Parcel Number (APN) 251-0150-006. The parcel is addressed at 8026 Patton Avenue in Citrus Heights. As a result of a proposed Lot Line Adjustment, the east boundary of this parcel would be moved approximately 220 feet to the west. The proposed project would be constructed on the parcel that would extend from that boundary to the existing eastern boundary. The southernmost point of Ella Way intersects the parcel at its north boundary.

The proposed project is consistent with the City of Citrus Heights General Plan, with water supply plans adopted by the CHWD, and with the applicable City of Citrus Heights General Plan land use and zoning district designations on this project site.

1.3 Organization and Format

This program describes the requirements and procedures to be followed to ensure that all mitigation measures adopted as part of this project will be implemented as described in the IS/MND, and adopted by the Citrus Heights Water District Board of Directors.

This Mitigation Monitoring and Reporting Program contains the following chapters:

- **Chapter 2 - Inventory of Mitigation Measures.** This section contains a list of all mitigation measures included in the IS/MND as adopted by the Citrus Heights Water District Board of Directors in numerical order.
- **Chapter 3 - Implementation Schedule and Monitoring Checklist.** This section contains a summary description of the required mitigation measures in checklist format. The timing of implementation of mitigation measures is indicated, in addition to implementation and monitoring responsibility.
1.4 IMPLEMENTATION OF THE MITIGATION MONITORING AND REPORTING PROGRAM

The Citrus Heights Water District shall assign staff to manage the Ella Way Well project Mitigation Monitoring and Reporting Program under the CHWD’s responsibility.

Responsible staff shall have overall responsibility for ensuring implementation of measures under their jurisdiction and verification of such measures. Responsible staff may delegate duties and responsibilities to other CHWD staff, state regulatory agencies, consultants, the project sponsor, or other authorities as necessary and appropriate.

1.5 IMPLEMENTATION SCHEDULE AND MONITORING CHECKLIST

Chapter 3 contains a mitigation measure implementation schedule and monitoring checklist. Responsible CHWD staff may use the checklist as a summary of the measures to be implemented and the entities responsible for mitigation implementation and monitoring and to check off mitigation implementation as it is completed.

The monitoring checklist should be maintained for all mitigation measures by the entity responsible for monitoring the mitigation (e.g., CHWD, delegated authority, hired consultant). The monitoring checklist should be prepared and reviewed periodically, as directed by responsible staff. Copies of the monitoring checklist should be submitted to the responsible staff and filed in the project file available for public review.

Responsible staff should ensure that the monitoring checklist is filed on a timely basis and, when identified, that mitigation monitoring plan violations are reported to the General Manager of the CHWD. The General Manager and responsible staff should initiate any appropriate action necessary to correct the deficiency, including, but not necessarily limited to, requesting legal, City, or regulatory agency action.
Inventory of Mitigation Measures

Mitigation Measure 1

All projects are subject to SMAQMD rules in effect at the time of construction. Control of fugitive dust is required by District Rule 403 and enforced by SMAQMD staff. CHWD shall implement, or require its contractors to implement, all of the following measures as identified by SMAQMD:

Basic Construction Emission Control Practices

- Water all exposed surfaces two times daily. Exposed surfaces include, but are not limited to soil piles, graded areas, unpaved parking areas, staging areas, and access roads.
- Cover or maintain at least two feet of free board space on haul trucks transporting soil, sand, or other loose material on the site. Any haul trucks that would be traveling along freeways or major roadways should be covered.
- Use wet power vacuum street sweepers to remove any visible trackout mud or dirt onto adjacent public roads at least once a day. Use of dry power sweeping is prohibited.
- Limit vehicle speeds on unpaved roads to 15 miles per hour (mph).
- All roadways, driveways, sidewalks, parking lots to be paved should be completed as soon as possible. In addition, building pads should be laid as soon as possible after grading unless seeding or soil binders are used.
- Minimize idling time either by shutting equipment off when not in use or reducing the time of idling to 5 minutes [required by California Code of Regulations, Title 13, sections 2449(d)(3) and 2485]. Provide clear signage that posts this requirement for workers at the entrances to the site.
- Maintain all construction equipment in proper working condition according to manufacturer’s specifications. The equipment must be checked by a certified mechanic and determine to be running in proper condition before it is operated.

Mitigation Measure 2

The CHWD or the construction contractor shall schedule vegetation removal and ground-clearing activities prior to the initiation of nesting activity (March) or after fledging (August). If the CHWD determines that it is infeasible to avoid construction during the nesting season, the CHWD or the construction contractor shall conduct pre-construction surveys between March 1 and August 15 in potential nesting habitat to identify nest sites. If an active raptor nest is observed within 500 feet of the project site, CHWD shall contact CDFW for guidance and/or establish a 500-foot buffer around the nest tree. If a passerine bird nest is observed during surveys, a 100-foot buffer around the nest shall be established or consultation with CDFW shall be conducted for a reduced buffer zone based on nesting phenology, site conditions, and recommendation(s) of a biological monitor. Construction activities in the buffer zone shall be prohibited until the young have fledged.

Mitigation Measure 3

During project design and construction, CHWD shall avoid jurisdictional trees, including their protected zones as defined by Chapter 106.39 of the Citrus Heights Municipal Code. The CHWD or its contractor shall implement the standard policies and procedures set forth in Section 106.39.050 of the Citrus Heights Municipal Code during the design and construction of proposed improvements. In the event that a jurisdictional tree and its protected zone cannot be avoided,
CHWD or its contractor shall obtain a Tree Permit from the City of Citrus Heights, and implement all requirements of the permit.

**Mitigation Measure 4**

Prior to initiation of construction on the project site, CHWD shall require that any construction or improvement plans contain a notation requiring that if any archaeological, cultural, historical resources, artifacts or other features are discovered during the course of construction anywhere on the project site, work shall be suspended in that location until a qualified professional archaeologist assesses the significance of the discovery and provides consultation with CHWD staff. Appropriate mitigation for curation or protection of the resources, as recommended by the archaeologist, shall be implemented upon approval by CHWD. Further grading or site work within the area of discovery shall not be allowed until the preceding steps have been taken.

In addition, pursuant to §5097.98 of the State Public Resources Code, and Section 7050.5 of the State Health and Safety Code, in the event of the discovery of any human remains, all work is to stop and the County Coroner shall be immediately notified. If the remains are determined to be Native American, guidelines of the Native American Heritage Commission shall be adhered to in the treatment and disposition of the remains.

**Mitigation Measure 5**

Prior to the operation of an ASR component to the Ella Way Well, the CHWD will:

- Submit a Notice of Intent for coverage under Water Quality Order 2012-0010 to the Central Valley Regional Water Control Board together with all information required under Section D of the Order, and obtain a Notice of Acceptance.

**Mitigation Measure 6**

Operation of the Ella Way Well ASR component shall meet the following standards:

1. Injected water shall be of a quality that will not result in exceedance of a water quality objective in compliance with the requirements of the Antidegradation Policy.
2. The Ella Way Well ASR project shall not negatively impact a groundwater cleanup project.
3. Injected water shall be treated and delivered to the injection well consistent with the requirements of all applicable San Juan Water District and CHWD domestic water supply permits.
4. At a minimum, the following treatment and control measures shall be required:
   a. Treatment (typically flocculation, filtration, and disinfection to remove suspended solids and pathogenic microorganisms) so that all injected water is potable.
   b. Adequate characterization of source water quality. If source water quality is variable through the year, operate the ASR project to optimize use of better quality water during injection cycles.
   c. Design and operation of the Ella Way Well ASR component to minimize adverse aquifer conditions and geochemistry.
   d. Additional treatment when necessary to fully protect all beneficial uses.
   e. Perform groundwater monitoring of the injection/extraction well and any groundwater monitoring wells to evaluate the potential for groundwater quality changes.
5. The CHWD shall identify and implement any additional treatment and control measures necessary to comply with the requirements of the Antidegradation Policy.

Mitigation Measure 7

To reduce the effects of construction noise on affected residents, the CHWD shall implement the following measures:

- Except for drilling and constructing the well, all work necessary to implement the project would be performed between the hours of 7 a.m. and 8 p.m. Monday through Friday
- Temporary sound walls (minimum 16 feet high) will be installed around the work area to reduce noise impacts during drilling and construction operations.
- All equipment will be equipped with appropriate muffler devices to reduce the noise impacts of the drilling operations.
- The use of impact wrenches would be prohibited between the hours of 8 p.m. and 7 a.m.
- The CHWD may provide alternate nighttime accommodations if needed to mitigate noise impacts during drilling.

Mitigation Measure 8

The noise levels of pump station motors and other facilities at the Ella Way Well shall not exceed 50 dBA at the property lines. (This would ensure that Citrus Heights Municipal Noise Ordinance standards were met for adjacent existing residential uses.) At the time of well and equipment installation, adequate noise attenuation measures shall be provided to reduce noise levels to the 50-dBA standard. Motors and other noise producing equipment shall be shielded or enclosed to meet this standard. Compliance with this standard shall be demonstrated with pre- and post-construction noise measurements taken during test operations of project facilities. The implementation of noise attenuation measures shall be to the satisfaction of the CHWD.
3 IMPLEMENTATION SCHEDULE AND CHECKLIST

This section contains an abbreviated description of each mitigation measure presented in tabular, checklist format. A complete description of each measure is contained in the preceding Chapter 2, *Inventory of Mitigation Measures*, contained within this document.

The mitigation measures to be implemented by the project applicant(s) and successors in interest are separated into the following phases:

1. Prior to Construction
2. During Construction
3. During Project Operations.

The checklist is presented below. Some measures have components that are to be implemented during several project phases. These measures are noted in each category.
## Ella Way Well Project Mitigation Measure Implementation Schedule and Monitoring Checklist

<table>
<thead>
<tr>
<th>Timing of Verification (To occur prior to the following actions)</th>
<th>Measure Complete? (check)</th>
<th>Mitigation Measures</th>
<th>Responsibility - Implementation</th>
<th>Responsibility - Monitoring</th>
</tr>
</thead>
<tbody>
<tr>
<td>During Construction</td>
<td></td>
<td>Mitigation Measure 1: Implement all SMAQMD measures to control fugitive dust, utilizing Best Construction Emission Control Practices.</td>
<td>CHWD or construction contractor</td>
<td>CHWD</td>
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<tr>
<td>Prior to and During Construction</td>
<td></td>
<td>Mitigation Measure 2: Schedule vegetation removal and ground-clearing activities prior to the initiation of nesting activity (March) or after fledging (August). If that is not feasible, conduct pre-construction surveys in potential nesting habitat to identify nest sites. Follow CDFW guidance on any observed nests; construction activities within an established buffer zone will be prohibited until the young have fledged.</td>
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<td>Prior to and During Construction</td>
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<td>Mitigation Measure 3: During design and construction, avoid jurisdictional trees and their protected zones as defined in the Citrus Heights Municipal Code. In the event that a jurisdictional tree cannot be avoided, obtain a Tree Permit from the City of Citrus Heights and implement all permit requirements.</td>
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<td>Prior to and During Construction</td>
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<td>Mitigation Measure 4: Construction plans shall contain a notation that if any archaeological, cultural, historical resources, artifacts, or other features are discovered, work shall be suspended until a qualified archaeologist assesses the discovery and provides consultation with appropriate agencies. Appropriate mitigation shall be implemented as advised. In the event of the discovery of any human remains, all work shall stop and the County Coroner shall be immediately notified. Follow NAHC Guidelines as to treatment and disposition of the remains if they are of Native American origin.</td>
<td>CHWD or construction contractor</td>
<td>CHWD</td>
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<td>During Operations</td>
<td></td>
<td>Mitigation Measure 5: Prior to operation of an ASR component to the well, submit a Notice of Intent for coverage under Water Quality Order 2012-0010 to the CVRWQCB, including all information required under Section D, and obtain a Notice of Acceptance.</td>
<td>CHWD</td>
<td>CHWD, CVRWQCB</td>
</tr>
<tr>
<td>During Operations</td>
<td></td>
<td>Mitigation Measure 6: Operation of the ASR component to the well shall meet all required water quality standards, and comply with the requirements of the Antidegradation Policy</td>
<td>CHWD</td>
<td>CHWD</td>
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<tr>
<td>During Construction</td>
<td></td>
<td>Mitigation Measure 7: Implement all required measures to reduce the effects of construction noise on affected residents.</td>
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<td>Prior to and During Construction, During Operations</td>
<td>Mitigation Measure 8: Adequate noise attenuation measures shall be provided to reduce and maintain noise levels to the 50-dBA standard or below. Demonstrate compliance with pre- and post-construction noise measurements taken during test operations of project facilities.</td>
<td>CHWD</td>
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