

Cardno, Inc.

Revised SCOPE OF WORK

Former DPW Remedial Action Planning, Bidding and Construction Administrative Services

(Institutional Controls/Engineering Controls Package and Well Abandonment)

Hernando County DPW Former Fleet Maintenance Facility

Date: June 17, 2022

Contract Number: 18-R00045/PH Continuing Engineering Services for DPW

County PO: 19000608 DPW Remedial Action Planning

Cardno Project Number: 00313-020-14

1. PROJECT TITLE:

Revision to the Former DPW Remedial Action Planning, Bidding and Construction Administrative Services Task Order: Institutional Controls/Engineering Controls (IC/EC) Package and Declaration of Restrictive Covenant (DRC) for the Former Fleet Maintenance Facility (Site) located at 201 West Martin Luther King Boulevard, Brooksville, Florida (FDEP Facility ID # 278520223, Waste Cleanup FDEP Site # COM_65033/Project # 65840.

2. PROJECT SUMMARY:

Pursuant to the Provisional No Further Action Proposal Approval issued by the Florida Department of Environmental Protection Southwest District (FDEP or Department) on May 26, 2022, Site Assessment is complete per Rule 62-780.600, Florida Administrative Code (FAC) and documentation submitted in the Site Rehabilitation Completion Report and No Further Action Proposal (SRCR/NFAP) confirms that technical criteria set forth in Subsection 62-780.680(2) or (3), FAC may be met assuming the appropriate ICs and restrictions and, if appropriate, ECs, are in place.

Before a Conditional Site Rehabilitation Completion Order (CSRCO) may be issued by the Department, the County must provide the supporting documents necessary for the proposed restrictive covenant or other IC/ECs to be evaluated. The proposed ICs must adequately address each of the restrictions outlined in FDEP's deliverable review letter. Once all of the necessary information is submitted to the FDEP Southwest District, the Department's Office of General Counsel to evaluate the proposed IC/ECs.

Additionally, before a CSRCO may be issued by the Department, supporting documents must be provided to document that ECs that prevent human exposure, infiltration/leachability (if applicable), or, as appropriate, migration of the plume have been implemented. Additionally, the Department is requiring an Engineering Control

Maintenance Plan (ECMP), sealed by a Professional Engineer, be submitted as part of the draft IC/EC Package.

3. PROJECT GOALS:

To support the effective reuse of this site and protect human health and the environment, the end goals include:

- Approval of a draft IC/EC Package with Declaration of Restrictive Covenant (DRC) and ECMP
- Finalization of the IC/EC Package, DRC, and ECMP
- Issuance of a CSRCO
- Abandonment all monitor wells to comply with the anticipated CSRCO.

4. SCOPE OF SERVICES:

Task 10 – IC/EC Package

Cardno will provide the following services related to preparation of the IC//EC Package, including:

- Execution of a Legal Services Agreement between Mechanik Muccio Hearne & Wester and the County to afford the benefits originating in the attorney-client relationship. Cardno will function as a non-client third-party payor of the legal fees.
- Title Work – ownership & encumbrance (O&E) reports (also commonly called property information reports, or PIRs) from a third-party title company
- Legal Review of Title Work - This task requires attorney review of title investigations and recorded instruments affecting all of the parcels which will be included in the engineering and institutional control areas. Our proposal assumes 15 to 20 conventional encumbrances, depending on complexity and length, revealed by O&E Reports and PIRs.
- Preparation of ICPG Legal Checklist – Per Attachment 6 of FDEP's Institutional Controls Procedural Guidance (ICPG).
- Preparation of Notice Letters – Preparation of notices required by 62-780.220(7), FAC, including letters to holder of materially affected encumbrances, and local governments. Assumes 10-15 letters.
- Draft DRC – Preparation of the draft DRC, a legal instrument in the nature of an equitable servitude that imposes environmental and health-related restrictions on the site in perpetuity.
- Project Coordination for discussions with County, Legal, Commenters, and FDEP.
- One project closeout meeting with FDEP and one response to FDEP request for additional information.
- Preparation of the ECMP

- Preparation of a .zip file containing GIS shapefiles indicating the groundwater and soil areas to be restricted, to support the site's entry into the Environmental Restoration Integration Cleanup (ERIC) Institutional Controls Registry (ICR) database.

Task 11 – Well Abandonment and Reporting

Cardno and their subcontracted environmental well driller will abandon all remaining monitoring wells and piezometers in accordance with requirements of the anticipated CSRCO and FDEP Standard Operating Procedures (DEP-SOP-001/01, effective July 30, 2014) and FDEP - Division of Waste Management – Bureau of Petroleum Storage Systems Standard Operating Procedures PCS-006, Design, Installation, and Placement of Monitoring Wells, effective May 2, 2005.

It is estimate that approximately sixty (60) 2-inch diameter wells (2,162 LF) and twelve (12) 1-inch diameter wells (125 LF) remain on site. Each well shall be abandoned by filling the casing with grout mixed on site, from the bottom up, using the tremie pipe method. The concrete pads and manholes will be removed and the surface restored with sand (with the exception of wells located in the concrete pad on the eastern portion of the site, that will be restored in-kind). A front-end loader (Bob-cat) will be utilized to move materials needed for the well plugging and dump the well pad C&D debris into a roll-off to be transported off-site for disposal. The duration of the well abandonment event is anticipated to 10 days.

Cardno will also prepare a Well Abandonment/Site Restoration Report summarizing the following:

- A. Copies of any permits obtained;
- B. A summary of the work performed and any other relevant documentation;
- C. An updated site map showing the locations of all abandoned wells
- D. Well completion logs for all wells abandoned;
- E. Waste Manifests and bills of lading for materials for disposal;
- F. Photographic documentation of well abandonment and restoration activities;
- G. Copy of field notes.

5. BUDGET:

Not to Exceed Total Lump Sum Cost: \$ 81,063.00

This price includes all labor and expenses anticipated to be incurred by Cardno for the completion of this task, on a lump sum basis, based on costs outlined in the attached Exhibit "B" Task Fee Quotation Proposal. Engineer (Cardno) may alter the distribution of compensation between individual phases of the work noted herein, but shall not exceed the total compensation amount unless approved in writing by the Owner (County). Appropriate amounts have been incorporated in the Lump Sum to account for labor, overhead, profit, and reimbursable expenses.

6. SCHEDULE

Cardno anticipates the notices will be submitted and the Title work ordered within 30 days of the Notice to Proceed.

Submittal of the draft IC/EC Package with DRC and ECMP to FDEP, is anticipated within 60 days from the NTP. This schedule will be updated through the course of the title work, noticing, and FDEP review by the Southwest District, the FDEP District and Business Support Program (DBSP), and FDEP OGC.

Once the Department approves the complete IC/EC package and mail notice, the Department will issue the CSRCO if there are no objections to the proposed action, following a 30-day comment period.

7. STAFF ASSIGNMENT

Key staff assigned to this project includes:

Principal – Vince Alaimo, vince.alaimo@cardno.com

Project Manager - Joe Marsh (727) 431-1589, joe.marsh@cardno.com

Senior Engineer – Greg Schultz, P.E. (727) 431-1557, greg.schultz@cardno.com

Environmental Geologist – Victor Urgiles, victor.urgiles@stantec.com

Senior Designer – Dan Diffenbach, dan.diffenbach@cardno.com

Clerical (Project Administrator/Contract Administrator) – Dana Bonanno, dana.bonanno@cardno.com

8. CORRESPONDENCE/REPORTING PROCEDURES

All Consultant correspondence shall be directed to Joe Marsh. All County project correspondence shall be directed to Stephen Stack, Hernando County, with copies to others as may be appropriate.

9. INVOICING/FUNDING PROCEDURES

Invoices shall be submitted monthly. The portion of the Lump Sum amount billed for Engineer's services will be based upon Engineer's estimate of the proportion of the total services actually completed during the billing period to the Lump Sum.