

b. State of Iowa. The project plans have been submitted to the Iowa Department of Natural Resources for state certification of the proposed work in accordance with Section 401 of the Clean Water Act. The certification, if issued, will express the Department's opinion that the proposed activity will comply with Iowa's water quality standards (Chapter 61 IAC). The applicant has also applied for authorization of work in the floodplain pursuant to Chapter 455B of the Iowa Code and other applicable state permits. Written comments concerning possible impacts to waters of Iowa should be addressed to: Iowa Department of Natural Resources, 502 E. 9th Street, Des Moines, Iowa 50319. A copy of the comments should be provided to the Corps of Engineers office (see paragraph 11. of this public notice for address).

5. **Historical/Archaeological:** The UDSA is the lead Federal agency for this project and has completed Section 106 coordination with the Iowa State Historic Preservation Office. The area was surveyed and was covered under R & C Number 201204267. The SHPO concurred with “No Effect” on December 6, 2020. No additional coordination is required.

6. **Endangered Species:** The USDA completed Section 7 consultation and there was no habitat for any listed species present on the site, therefore this project will have no effect on any species listed for Appanoose County, Iowa.

7. **Dredge/Fill Material Guidelines:** The evaluation of the impact of the proposed activity on the public interest will also include application of the guidelines promulgated by the Administrator of the United States Environmental Protection Agency under authority of Section 404(b) of the Clean Water Act (40 CFR Part 230).

8. **Public Interest Review:** The decision whether to issue the Corps permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

9. **Who Should Reply:** The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. These statements should be submitted on or before the expiration date specified at the top of page 1. These statements should bear upon the adequacy of plans and suitability of locations and should, if appropriate, suggest any changes considered desirable.

10. **Public Hearing Requests:** Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing. A request may be denied if substantive reasons for holding a hearing are not provided.

11. **Reply to the Corps.** Comments concerning the Corps permit should be addressed to the District Engineer, US Army Corps of Engineers, Rock Island District, ATTN: OD-P (Frohlich), Clock Tower Building - Post Office Box 2004, Rock Island, Illinois 61204-2004. For additional information contact **Mr. Albert Frohlich (309/794-5859)** or email: Albert.J.Frohlich@usace.army.mil.

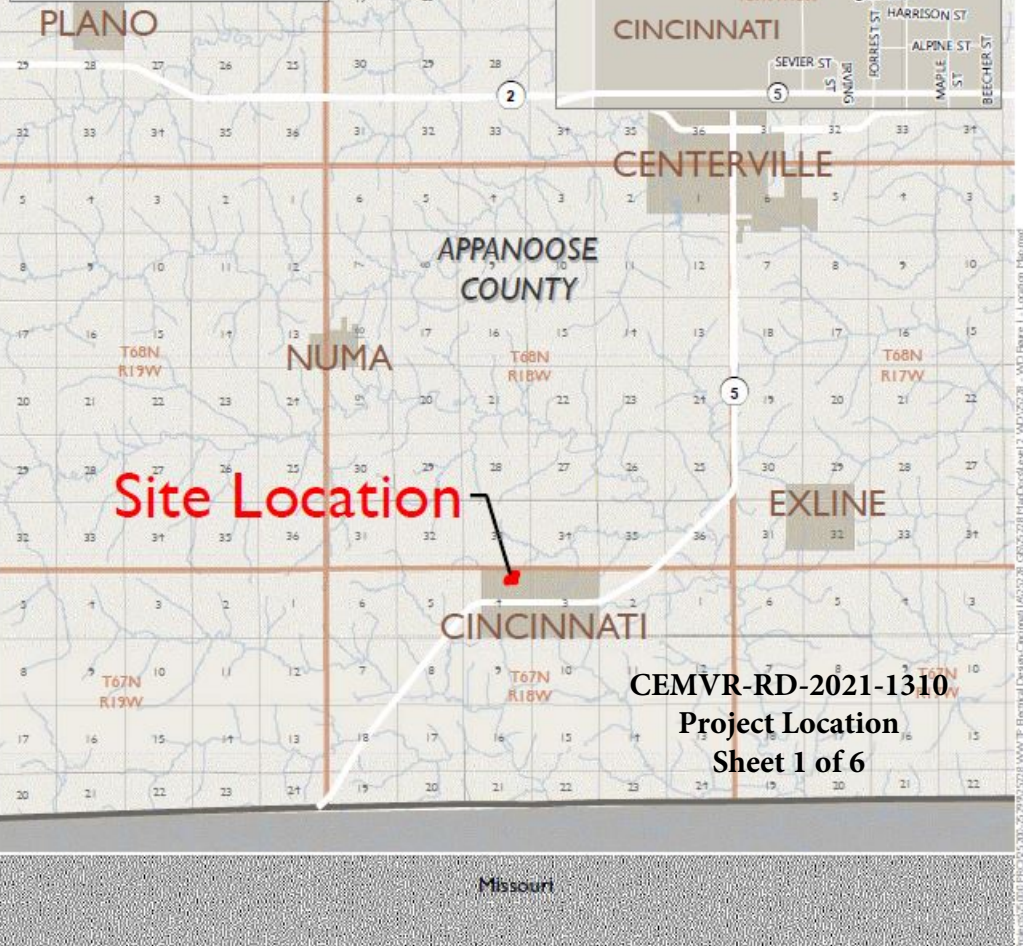


Attach
Plan

Mr. Albert J. Frohlich
Project Manager, Western Branch
Regulatory Division

REQUEST TO POSTMASTERS: Please post this notice conspicuously and continuously until the expiration date specified at the top of page 1.

NOTICE TO EDITORS: This notice is provided as background information for your use in formatting news stories. This notice is not a contract for classified display advertising.



Missouri

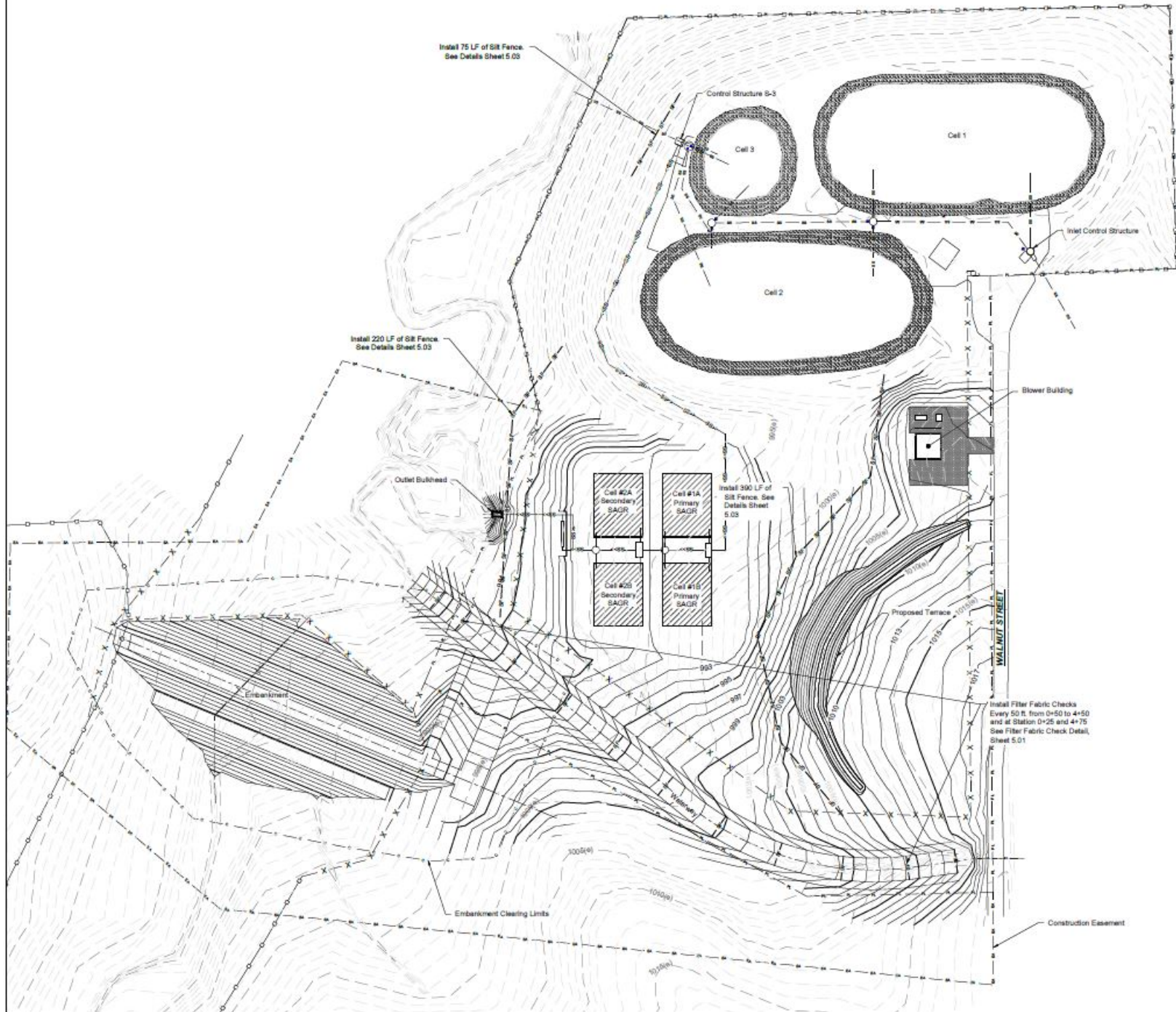


Figure I
Project Location Map
WWTP Electrical Design
Cincinnati, Appanoose County, Iowa

Source(s):
Roads (IA DOT, 2011)
Municipalities (IA DOT, 2016)



Project: C:\GIS\Projects\2021\1310\1310_000\1310_HydroLevel12_M02528 - WD Figure 1 - Location Map.mxd
Wednesday, October 13, 2021
Project Number: 21-13118



PRELIMINARY
NOT FOR
CONSTRUCTION

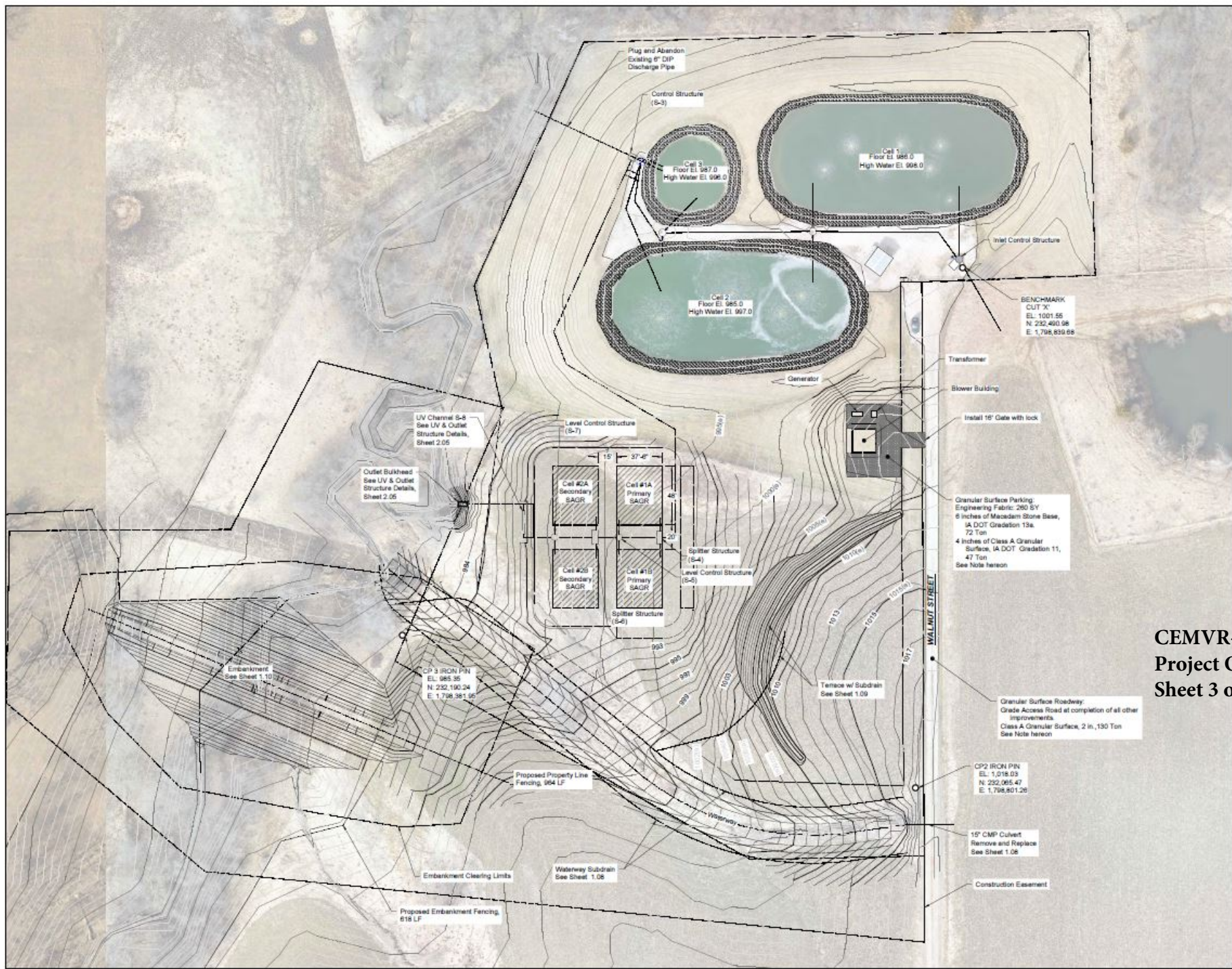
CEMVR-RD-2021-1310
Project Overview
Sheet 2 of 6

LEGEND	
Property Line	— PL —
Contribution Easement	— EA —
Existing Fence	— X — X —
Proposed Fence	— X — X —
Existing Contour	— 100ft —
Proposed Contour	— 100 —
Existing Sanitary Sewer	— SS —
Proposed Sanitary Sewer	— SS>> —
Proposed Silt Fence or Fabric Check	— SF —



DESIGNED	RLC	CHECKED	BB	APPROVED	NB
DATE	01.01.01	DATE	01.01.01	DATE	01.01.01
LET.		DATE		DATE	
DR.	OK	REVISION		APPD	
WASTEWATER TREATMENT FACILITY IMPROVEMENTS OWNER: The City of Channahon, Iowa Errosion Control Plan					
HALL ENGINEERING COMPANY Consulting Engineers Allright Building, Suite 101 300 Sheridan Avenue Charlestown, Iowa					
SCALE	1" = 40'				
DRAWING NUMBER	1911				
REVISION LETTER	SHEET NUMBER 1.04				

9/19/2021 3:02:30 PM
C:\19111_Chemicals\BGR\1911\1911.dwg



LEGEND	
Property Line	— PL —
Construction Easement	— EA —
Existing Fence	— X — X —
Proposed Fence	— C —
Embankment Clearing Limits	— 100(e) —
Existing Contour	— 100(e) —
Proposed Contour	— 100 —
Subdrain	— ST —
Existing Sanitary Sewer	— SS —
Proposed Sanitary Sewer	— SS>> —
Proposed Silt Fence	— SF —
Existing Valve	— V —
Existing Utility Pole	— U —

Note:

Granular Surface Parking:

- Remove topsoil from area shown
- Place Non-Woven Geotextile with 18" (Minimum) overlap
- Place Macadam Stone Base
- Place Class A Granular Surface
- Maintain adequate moisture content in the material until it has been satisfactorily spread, compacted, and finished to the required dimensions.

Engineering Fabric shall be Non-Woven Geotextile with the following properties:

- Grab Tensile Strength: 200 Pounds Minimum
- Elongation at Failure: 50% Minimum
- Puncture Strength: 433 Pounds Minimum
- Permeability: 0.70 Sec² Minimum

Granular Surface Roadway:

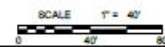
- Place specified material on the subgrade so no material is deposited on the adjacent surface. Immediately remove material inadvertently spilled on adjacent surface using shovels and rakes.
- Spread and compact specified material so the finished elevations, width and depth conform to the cross section.
- Compact material with six compacted coverages with a pneumatic tired roller or steel vibratory roller, followed by at least one complete finish coverage with a steel tired roller.
- The Owner may require additional finish rolling if needed to ensure a satisfactory surface finish.
- Maintain adequate moisture content in the material until it has been satisfactorily spread, compacted, and finished to the required dimensions.

CEMVR-RD-2021-1310
Project Overview on aerial
Sheet 3 of 6

PRELIMINARY
 NOT FOR
 CONSTRUCTION

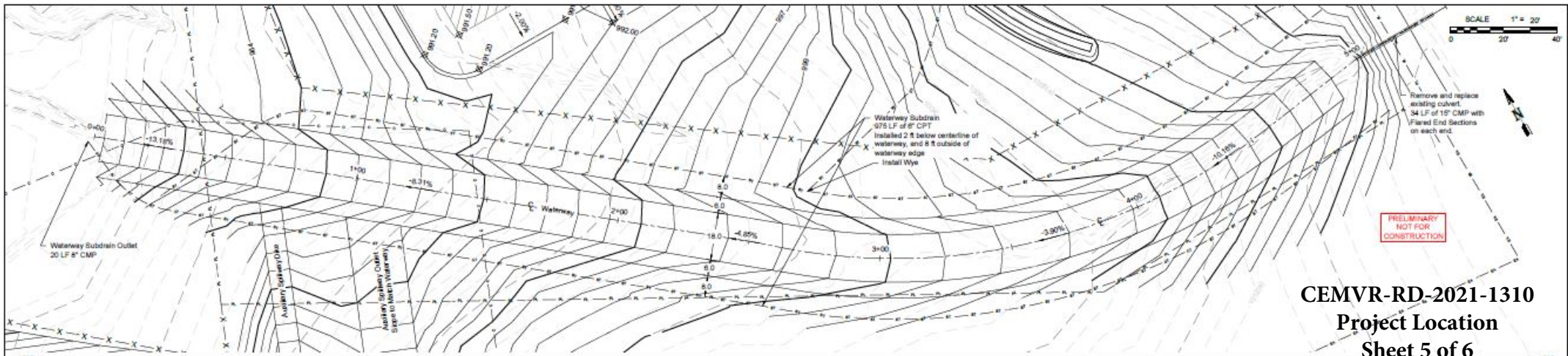
Orthophotography has been provided for visual purposes only. Actual physical characteristics of the project may differ from those shown on the aerial photography.

Existing Underground Utilities are approximate and must be field verified for location and depth.



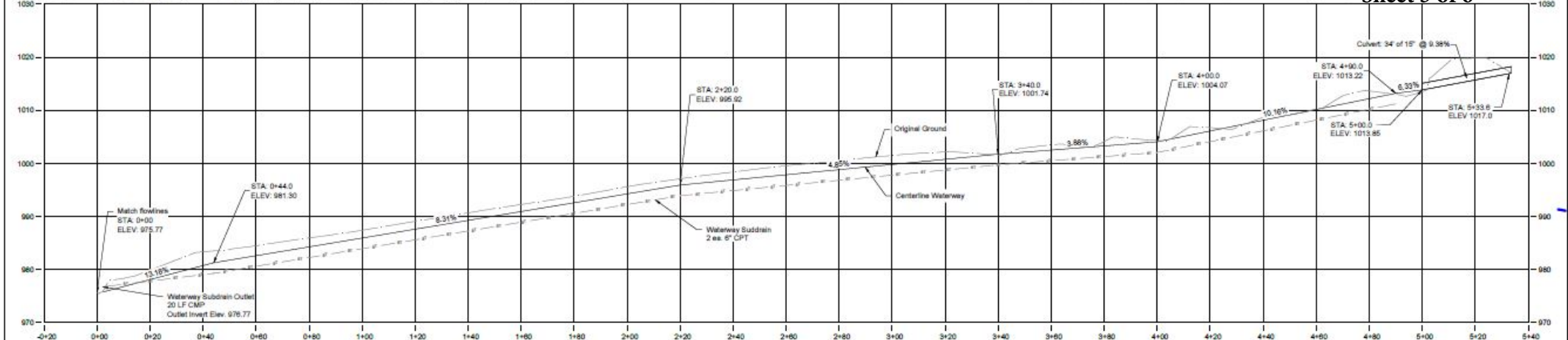
DESIGNED RLC	DATE	01.01.01	OWNER The City of Cincinnati, Ohio	SCALE 1"=40'	DRAWING NUMBER 1911	REVISION LETTER	SHEET NUMBER 1.06
	CHECKED	BB					
	APPROVED	NB					
	DATE	01.01.01					
WASTEWATER TREATMENT FACILITY IMPROVEMENTS		Proposed Site Plan					
OWNER The City of Cincinnati, Ohio		DATE		SCALE		REVISION	
DATE		DATE		SCALE		REVISION	
01.01.01		01.01.01		1"=40'		DR. DATE	
						APP. DATE	
						DR. DATE	
						APP. DATE	

HALL ENGINEERING COMPANY
 Alliant Building, Suite 101
 300 Sheridan Avenue
 Cincinnati, Ohio
 Consulting Engineers



CEMVR-RD-2021-1310
 Project Location
 Sheet 5 of 6

PRELIMINARY
 NOT FOR
 CONSTRUCTION



Waterway
 Materials:
 Earth materials used in constructing the earthfill portions of the waterway shall be suitable material obtained from the waterway channel or other approved excavations. The fill material shall be free from brush, roots, frozen material, sod, stones over 6 inches, or other objectionable material.

Foundation Preparation:
 All trees, stumps, brush and debris shall be removed from the site and disposed of so that they will not interfere with construction or proper functioning of the waterway.

Placement of Fill:
 Fill will not be placed until the required foundation preparation is complete. Smooth surfaces where fill material is to be placed shall be scarified to insure bonding. Fill shall not be placed upon a frozen surface.

Fill shall be placed and compacted as specified on the Grading Plan.

Excavation:
 Excavation shall be to the lines and grades shown on the Drawings. All surplus and unsuitable excavated materials will be disposed of as approved by the Inspector. Spoil will not be placed where it will block the flow of water into the waterway.

Where infertile subsoil will be exposed by construction operations, topsoil shall be stripped, stockpiled, and spread on infertile areas after excavation is completed. Areas receiving topsoil shall be underseed so that the finished surface is at design grade after placement of topsoil is complete.

Waterway Subdrain
 Materials:
 Waterway Subdrain shall be Corugated polyethylene tubing (CPT). Pipe and appurtenances shall conform to ASTM F405. Pipe shall be perforated to provide a water inlet area of at least 1 square inch per foot, provided by perforations spaced uniformly along the long axis of the tubing. The perforations shall be circular, not to exceed 3/8 inch in diameter.

Waterway Subdrains
 Excavation:
 Excavation for and subsequent installation of each drain line shall begin at the outlet end and progress upstream. The trench bottom shall be smooth and free of exposed rock. If rock is encountered in the trench bottom, over-excavate the trench and place at least 6 inches of compacted earth or sand bedding in the trench to bring it up to the conduit grade. Trench width at the top of the conduit must not be less than three inches on each side of the conduit. Maximum trench width shall be the conduit diameter plus 12 inches measured at the top of the conduit, unless approved bedding is installed. Plow installation is allowed. Minimum trench width shall be two inches wider than the conduit on each side.

Bedding:
 The bottom of the trench shall be shaped to form a semicircular, trapezoidal, or 90° "V" groove in its center. The groove shall be shaped to fit the size of the tile.
 If the bottom of the trench does not provide a sufficiently stable foundation, a sand-gravel mix or other approved materials shall be used to stabilize the bottom of the trench.

Placement:
 All drains shall be laid to grade.
 Existing drain lines not shown on the drawings but encountered during installation shall be bridged across the trench or connected into the new line as directed by the Engineer.
 Connections with the outlet pipe shall be watertight.

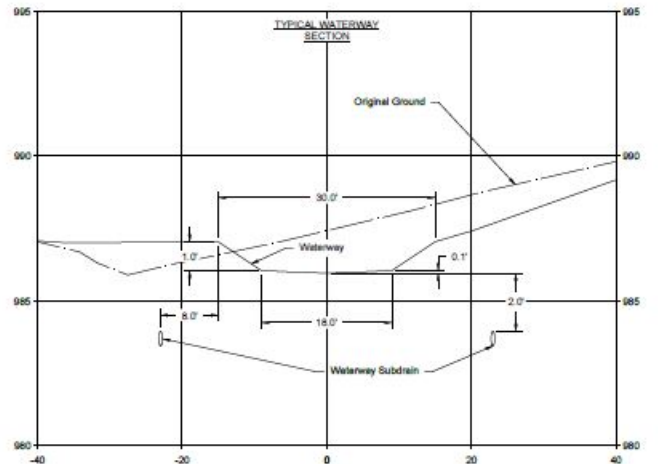
Outlet:
 A continuous section of non-perforated Corrugated Metal Pipe, min. 16 gauge, shall be used at the outlet. At least two-thirds of the outlet pipe shall be buried in the ditch bank, and the cantilever section must extend to the toe of the ditch slope. The outlet shall be equipped with a flap-gate rodent guard.

Cover:
 After the conduit is placed in the excavated groove, friable material from the sides of the trench shall be placed around the conduit, completely filling the trench to a depth of not less than six inches over the top of the conduit. Material must not contain hard clods, rocks, frozen soil, or fine material. Conduit placed during any one day shall be covered by the end of the day's work.

Backfilling:
 Automatic backfilling machines may be used. Backfill shall extend above the ground surface and be rounded over the trench.

LEGEND

Property Line	— PL —
Construction Easement	— EA —
Excavation Fence	— X — X —
Proposed Fence	— X — X —
Embankment Clearing Limits	— C —
Existing Contour	—(100)—
Proposed Contour	—100—
Subdrain	— ST —
Original Ground Profile	— — — —
Excavation Profile	— · · · ·
Proposed Grade Profile	— — — —



DESIGNED	DATE	01.01.01	HALL ENGINEERING COMPANY Consulting Engineers 300 Sheridan Avenue Centerville, Iowa	REVISION	DR.	OK.	MP/PC
CHECKED	DATE	01.01.01		LET.	DATE		
APPROVED	DATE	01.01.01					
DATE	01.01.01						
WASTEWATER TREATMENT FACILITY IMPROVEMENTS OWNER: The City of Centerville, Iowa			Waterway Plan				
SCALE			SCALE				
DRAWING NUMBER			DRAWING NUMBER				
1911			1911				
REVISION LETTER			SHEET NUMBER				
			1.08				

Legend

Project Area

Wastewater Lagoons

Photo Location

Culvert

10 ft Contour

2 ft Contour

Top of Bank

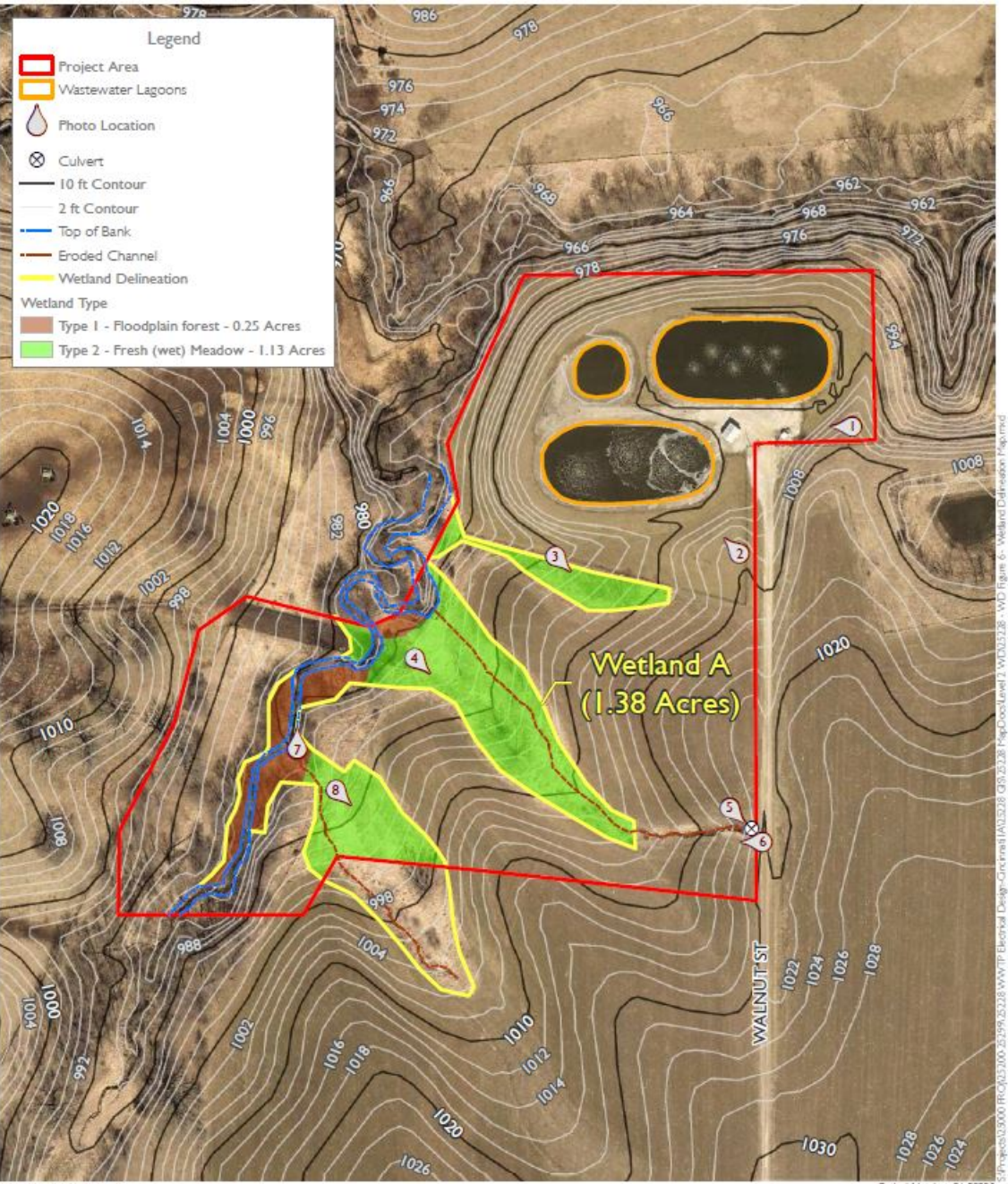
Eroded Channel

Wetland Delineation

Wetland Type

Type 1 - Floodplain forest - 0.25 Acres

Type 2 - Fresh (wet) Meadow - 1.13 Acres



S:\projects\3000-RR\03-00-25\259\25218 WWP Electrical Design-Cincinnati\A03218-09\25218 Fig\Doc\Level2-WD\0303218-WD Figure 6: Wetland Delineation Fig.mxd

Thursday, October 15, 2021

Project Number: 21-25218

CEMVR-RD-2021-1310

Wetland Delineation
Sheet 6 of 6

Figure 6

Wetland Delineation Map
WWTP Electrical Design
Cincinnati, Appanoose County, Iowa

Sources:
Orthophoto (Appanoose Co. 2018)
Wetland Delineation (ISG, 2021)
Contours (IA GeoData)

