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Addendum No. 2

Owner:	Gerald R. Ford International Airport Authority
Project Title:	Natural Treatment System Maintenance, Phase 2
Project #:	C-449 (2250383) Date of Addendum: November 6, 2026

Notice to Prospective Bidders

In accordance with Section 20, Proposal Requirements and Conditions, of the General Contract Provisions, this Addendum is hereby issued as part of the Contract Documents.

1. **REVISE** the first sentence of Addendum No. 1 (below the Notice to Prospective Bidders) to read as follows: "In accordance with Section 20, Proposal Requirements and Conditions, of the General Contract Provisions, this Addendum is hereby issued as part of the Contract Documents."
2. **ADD** the following paragraph to the end of the Request for Bid Submission section (Pages 5 and 6 of the Request for Bids, Natural Treatment System Maintenance, Phase 2, Request Number: 2625): "A bid bond, certified check, or cashier's check payable to 5500 44th Street SE, Grand Rapids, Michigan, 49512 in an amount equal to five percent (5%) of the total price shall accompany each bid. This surety shall bind the bidder for a period of ninety (90) days after the receipt of bids."
3. **ADD** the Bid Proposal Checklist included with this addendum.
4. **REPLACE** the Exhibit A – Bid Form included in Addendum No. 1 with the ten (10) page Exhibit A – Bid Form included with this addendum. The second occurrence of Line Item 18 has been removed.
5. **REPLACE** drawing G-001 issued with Addendum No. 1 with the enclosed drawing. Phasing Notes 11, 12 and 13 were added to describe the badging process and gate guard procedures.
6. **REPLACE** drawing C-105 issued with Addendum No. 1 with the enclosed drawing. Drawing scale was modified.
7. **REPLACE** drawing C-106 issued with Addendum No. 1. with the enclosed drawing. Drawing scale was modified.

John A. Stroo, P.E.

Enclosures: As previously indicated

Bid Proposal Checklist

Owner:	Gerald R. Ford International Airport Authority, Kent County, Michigan
Project Title:	Natural Treatment System Maintenance, Phase 2
Project #:	C-449 (2250383)

This checklist is for the bidder's convenience and the Engineer's use. It should be reviewed thoroughly before submitting a bid.

- ☐ Bid submitted on time.
- ☐ Bid surety properly completed and enclosed.
- ☐ Addenda, if applicable, has been acknowledged and any revisions to the proposal completed.
- ☐ Bid proposal legally signed in ink or electronically.
- ☐ All unit prices are completed in ink or unalterable electronic format.

[Intentionally left blank]

EXHIBITS

Exhibit A – Bid Form

The undersigned, being familiar with the site, plans, specifications, and related documents, proposes to furnish all required labor, materials, tools and equipment to construct the project in accordance with the [unit prices/lump sum] on the following sheets.

Date Prepared: _____

Receipt of Addenda _____ through _____ is herby acknowledged.

Summary of Bids

Total Bid $ _____

The Owner reserves the right to accept or reject any or reject any or all bids and to waive any irregularities in the bidding. No partial bids will be accepted.

Contractors Signature

Contractor's Name	Email Address	Telephone Number
Business Address	City	Zip Code
Printed Name	Title	Date

_____

Signature

Seal (if bidder is a corporation)

Bid Proposal

Owner:	Gerald R. Ford International Airport Authority		
Owner Address:	5500 44th Street SE, Grand Rapids, MI, 49512		
Project Title:	Natural Treatment System Maintenance, Phase 2		
Bid Date & Time:	November 10, 2026 @ 2:00 pm	Project #:	C-449 (2250383)

The undersigned, being familiar with the site, plans, specifications, and related documents, proposes to furnish all required labor, materials, tools and equipment to construct the project in accordance with the [unit prices/lump sum] on the following sheets.

Date Prepared: _____

Receipt of Addenda

Receipt of Addenda _____ through _____ is herby acknowledged.

Summary of Bids

Total Bid $ _____

The Owner reserves the right to accept or reject any or reject any or all bids and to waive any irregularities in the bidding. No partial bids will be accepted.

Contractors Signature

Contractor's Name	Email Address	Telephone Number
Business Address	City	Zip Code
Printed Name	Title	Date

_____
Signature

Seal (if bidder is a corporation)

Bid Proposal - Unit Prices

Owner:
Gerald R. Ford International Airport Authority

Project Title:
Natural Treatment System Maintenance, Phase 2

Bid Date & Time:
Nov. 10, 2026 @ 2:00 pm

Project #:
C-449 (2250383)

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
1	Mobilization, Max 10%	1	Lsum		
2	Safety and Security	1	Lsum		
3	Permits	2,500	DLR	$1.00	$2,500.00
4	Curb and Gutter, Rem	20	Ft		
5	Erosion Control, Inlet Protection, Fabric Drop	8	Ea		
6	Erosion Control, Silt Fence	500	Ft		
7	Excavation, Earth, As Specified	675	Cyd		
8	Aggregate Base, Conditioning	500	Syd		
9	Aggregate Base Cse, 8 inch	400	Syd		
10	Dr Structure, TSS Removal	1	Ea		
11	Conc, Grade 3500	95	Cyd		
12	Curb and Gutter, Conc, Det F4	20	Ft		
13	Riprap, Plain	90	Syd		
14	Fertilizer, Chemical Nutrient, Cl B	150	Lb		
15	Mulch	2,000	Syd		
16	Mulch Anchoring	2,000	Syd		
17	Mulch Blanket, High Velocity	3,500	Syd		

Item No.	Description	Quantity	Unit	Unit Price	Total Amount
18	Seeding, Mixture, as specified	250	Lb		
19	Topsoil Surface, Salv, 4 Inch	5,500	Syd		
20	Treatment Media	4,550	Cyd		
21	Insulation Media (Wood Chips)	1,450	Cyd		
22	Course Media	300	Cyd		
23	Geotextile Fabric	112,000	Sft		
24	Gabion Basket	550	Lf		
25	Gabion 3" to 6" Rock	150	Cyd		
26	Splash Pad	16	Ea		
27	Piping	500	Lf		
28	Pipe Coupling	4	Ea		
29	R-Tanks Mini	1,450	Ea		
30	R-Tanks HD Single	1,450	Ea		
31	Media Removal	12,500	Cyd		
32	Piping Removal	6,350	Lf		
33	Infiltrator Removal	1,200	Ea		
34	Smart Drain	5	Ea		
				Total Bid:	

Disadvantaged Business Enterprise (DBE) Commitment Form

Owner:	Gerald R. Ford International Airport Authority, Kent County, Michigan
Project Title:	Natural Treatment System Maintenance, Phase 2

This page must be completed by the prime contractor to indicate the amount (percentage) of Disadvantaged Business Enterprise Participation.

The undersigned, as a representative of entity, _____, submitting a bid/proposal for the above referenced project, hereby acknowledges that the DBE goal established for this project is as identified in the Advertisement, as a percentage of the total cost of the contract.

Select from one of the two certifications noted below:

☐ The Bidder/Proposer commits to and further represents that the proposed level of DBE participation for this project is _____%.

☐ The Bidder/Proposer commits to and further represents that the proposed level of DBE participation for this project is _____%. However, this level of DBE participation is less than the goal established for this project. The Bidder/Proposer has attached:

a. Subcontractor Participation Summary Form showing the level of DBE participation the Bidder/Proposer has been able to obtain, supplemented with Subcontractor Forms confirming the proposed participation of DBEs; and

b. Documentation of the Bidder/Proposer's Good Faith Efforts to achieve the goal established for this project. This documentation shall include enough to show that all necessary and reasonable steps were taken to achieve the DBE goal.

I hereby certify that the foregoing DBE commitment percentage for this project is true, correct, and complete, and is accordance with 49 CFR 26.

Authorized Representative (Print)	Title	Signature	Date

Disadvantaged Business Enterprise (DBE) Participation Statement

This page must be completed by the prime contractor to indicate the amount (percentage) of Disadvantaged Business Enterprise Participation.

The undersigned, bidder/offeror has satisfied the requirements of the bid specification in the following manner.

Select from one of the two certifications noted below:

☐ The Bidder/Proposer is committed to a minimum **zero (0%) percent** and meets or exceeds the DBE goal specified in the Advertisement as part of this Contract.

☐ The Bidder/Proposer, while unable to meet the DBE goal of **zero (0%) percent,** hereby commits to a minimum of _____% DBE participation on this Contract and also submits documentation, as an attachment, demonstrating good faith efforts (GFE) showing that all necessary and reasonable steps were taken to achieve the DBE utilization goal as required by 49 CFR Part 26.

I hereby certify that the foregoing DBE participation percentage for this project is true, correct, and complete, and is accordance with 49 CFR 26.

Bidder/Offeror's Firm Name	Signature	Date

DBE Participation Summary

	Contract Amount	*DBE Amount*	*Contract Percentage*
DBE Prime Contractor	$	$	%
DBE Subcontractor	$	$	%
DBE Manufacturer	$	$	%
DBE Regular Dealer (60%)	$	$	%
DBE Trucking	$	$	%
DBE Supply Broker (Fee)	$	$	%
DBE Truck Broker (Fee)	$	$	%
Total Amount DBE		$	%
DBE Goal		$	%

Disadvantaged Business Enterprise (DBE)
Project Participation Affidavit

This page shall be submitted for each DBE firm/company. DBE firm/company shall submit evidence of their certification status (i.e. photocopy).

The bidder/offeror is committed to utilizing the below-named DBE for the work and estimated amount as shown below. In the event the bidder/offeror does not receive award of the prime contract, any and all representations in this Project Affidavit shall be null and void.

Work Item(s) to be Performed	**Total Amount**
	$
	$
	$
	$

Anticipated DBE Firm Amount ($)		**DBE Participation Rate (60% Regular Dealer) (100% All Others)**		**Anticipated DBE Firm Participation ($)**
$	**X**		**=**	

If DBE company is contracted through Subcontractor, fill out Subcontractor information in the table below.

Bidder/Offeror	**Subcontractor**	**DBE Company**
Company Name:	Company Name:	Company Name:
Address:	Address:	Address:
Phone:	Phone:	Phone:
Printed Name and Title:	Printed Name and Title:	Printed Name and Title:
Signature of Representative:	Signature of Representative:	Signature of Representative:
Date:	Date:	Date:

CERTIFICATE OF BUY AMERICAN COMPLIANCE – CONSTRUCTION PROJECTS

As a matter of bid responsiveness, the bidder or offeror must complete, sign, date, and submit this certification statement with its proposal. The bidder or offeror must indicate how it intends to comply with 49 USC § 50101, BABA and other related Made in America Laws, U.S. statutes, guidance, and FAA policies, by selecting one of the following certification statements. These statements are mutually exclusive. Bidder must select one or the other (i.e., not both) by inserting a checkmark (✓) or the letter "X".

☐ Bidder or offeror hereby certifies that it will comply with 49 USC § 50101, BABA and other related U.S. statutes, guidance, and policies of the FAA by:

a) Only installing iron, steel and manufactured products produced in the United States;

b) Only installing construction materials defined as: an article, material, or supply – other than an item of primarily iron or steel; a manufactured product; cement and cementitious materials; aggregates such as stone, sand, or gravel; or aggregate binding agents or additives that are or consist primarily of non-ferrous metals; plastic and polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables); glass (including optic glass); lumber or drywall that have been manufactured in the United States.

c) Installing manufactured products for which the Federal Aviation Administration (FAA) has issued a waiver as indicated by inclusion on the current FAA Nationwide Buy American Waivers Issued listing; or

d) Installing products listed as an Excepted Article, Material or Supply in Federal Acquisition Regulation Subpart 25.108.

By selecting this certification statement, the bidder or offeror agrees:

a) To provide to the Airport Sponsor or the FAA evidence that documents the source and origin of the iron, steel, and/or manufactured product.
b) To faithfully comply with providing U.S. domestic products.
c) To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.
d) Certify that all construction materials used in the project are manufactured in the U.S.

☐ The bidder or offeror hereby certifies it cannot comply with the 100 percent Buy American Preferences of 49 USC § 50101(a) but may qualify for a Type 3 or Type 4 waiver under 49 USC § 50101(b). By selecting this certification statement, the apparent bidder or offeror with the apparent low bid agrees:

a) To the submit to the Airport Sponsor or FAA within 15 calendar days of being selected as the responsive bidder, a formal waiver request and required documentation that supports the type of waiver being requested.
b) That failure to submit the required documentation within the specified timeframe is cause for a non-responsive determination that may result in rejection of the proposal.
c) To faithfully comply with providing U.S. domestic products at or above the approved U.S. domestic content percentage as approved by the FAA.
d) To furnish U.S. domestic product for any waiver request that the FAA rejects.

e) To refrain from seeking a waiver request after establishment of the contract, unless extenuating circumstances emerge that the FAA determines justified.

Required Documentation

Type 2 Waiver (Nonavailability) - The iron, steel, manufactured goods or construction materials or manufactured goods are not available in sufficient quantity or quality in the United States. The required documentation for the Nonavailability waiver is

a) Completed Content Percentage Worksheet and Final Assembly Questionnaire
b) Record of thorough market research, consideration where appropriate of qualifying alternate items, products, or materials including;
c) A description of the market research activities and methods used to identify domestically manufactured items capable of satisfying the requirement, including the timing of the research and conclusions reached on the availability of sources.

Type 3 Waiver – The cost of components and subcomponents produced in the United States is more than 60 percent of the cost of all components and subcomponents of the "facility/project." The required documentation for a Type 3 waiver is:

a) Completed Content Percentage Worksheet and Final Assembly Questionnaire including;
b) Listing of all manufactured products that are not comprised of 100 percent U.S. domestic content (excludes products listed on the FAA Nationwide Buy American Waivers Issued listing and products excluded by Federal Acquisition Regulation Subpart 25.108; products of unknown origin must be considered as non-domestic products in their entirety).
c) Cost of non-domestic components and subcomponents, excluding labor costs associated with final assembly and installation at project location.
d) Percentage of non-domestic component and subcomponent cost as compared to total "facility" component and subcomponent costs, excluding labor costs associated with final assembly and installation at project location.

Type 4 Waiver (Unreasonable Costs) - Applying this provision for iron, steel, manufactured goods or construction materials would increase the cost of the overall project by more than 25 percent. The required documentation for this waiver is:

a) A completed Content Percentage Worksheet and Final Assembly Questionnaire from
b) At minimum two comparable equal bids and/or offers;
c) Receipt or record that demonstrates that supplier scouting called for in Executive Order 14005, indicates that no domestic source exists for the project and/or component;
d) Completed waiver applications for each comparable bid and/or offer.

False Statements: Per 49 USC § 47126, this certification concerns a matter within the jurisdiction of the Federal Aviation Administration and the making of a false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code.

Date	Signature
Company Name	Title

CERTIFICATION OF OFFEROR/BIDDER REGARDING TAX DELINQUENCY AND FELONY CONVICTIONS

The applicant must complete the following two certification statements. The applicant must indicate its current status as it relates to tax delinquency and felony conviction by inserting a checkmark (✓) in the space following the applicable response. The applicant agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification in all lower tier subcontracts.

Certifications

The applicant represents that it is ( ) is not ( ) a corporation that has any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability.

The applicant represents that it is ( ) is not ( ) a corporation that was convicted of a criminal violation under any Federal law within the preceding 24 months.

Note

If an applicant responds in the affirmative to either of the above representations, the applicant is ineligible to receive an award unless the Sponsor has received notification from the agency suspension and debarment official (SDO) that the SDO has considered suspension or debarment and determined that further action is not required to protect the Government's interests. The applicant therefore must provide information to the owner about its tax liability or conviction to the Owner, who will then notify the FAA Airports District Office, which will then notify the agency's SDO to facilitate completion of the required considerations before award decisions are made.

Term Definitions

Felony conviction: Felony conviction means a conviction within the preceding twenty-four (24) months of a felony criminal violation under any Federal law and includes conviction of an offense defined in a section of the U.S. Code that specifically classifies the offense as a felony and conviction of an offense that is classified as a felony under 18 USC § 3559.

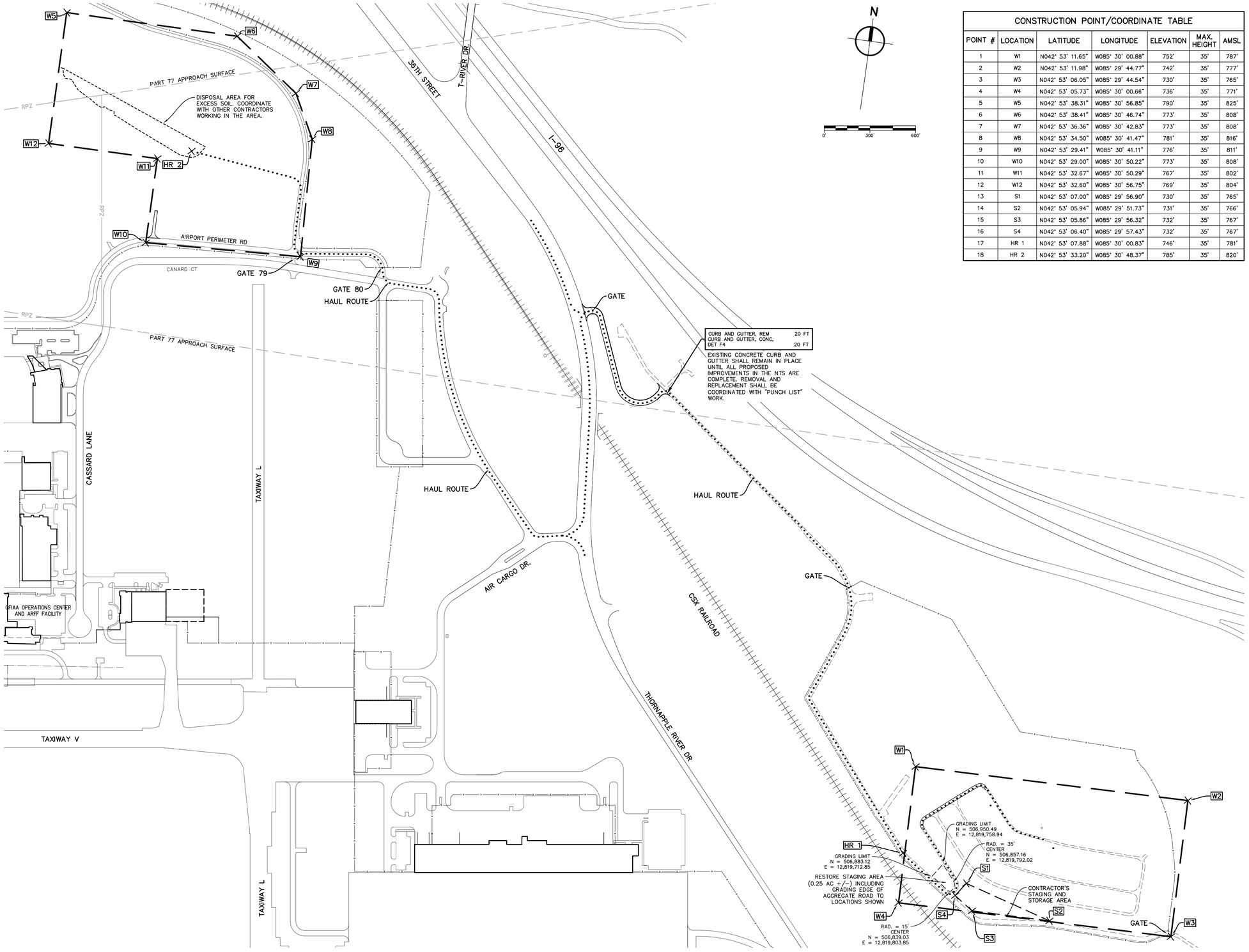
Tax Delinquency: A tax delinquency is any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability.

Authorized Representative (Print)	Title	Signature	Date

PHASING NOTES

GENERAL

1. FOR ALL PHASES HEREIN, CONTRACTOR'S EQUIPMENT MUST ENTER THE WORK AREA THROUGH THE HAUL ROUTE SHOWN.
2. CONTRACTOR SHALL PROVIDE, PLACE, AND MAINTAIN LOW PROFILE BARRICADES OR OTHER TRAFFIC CONTROL DEVICES AT THE LOCATIONS SHOWN IMMEDIATELY UPON STARTING WORK.
3. MAXIMUM EQUIPMENT HEIGHT IS 35 FEET.
4. THE MAXIMUM NUMBER OF LOW PROFILE BARRICADES ANTICIPATED TO BE IN USE AT ANY ONE TIME IS ZERO (0). ALL COSTS FOR BARRICADES SHALL BE INCLUDED INTO THE "SAFETY AND SECURITY". (PLACE HOLDER NOTE IN CASE BARRICADES ARE NEEDED ON PERIMETER ROADS.)
5. COORDINATE LOCATION OF AGGREGATE STOCKPILES WITH GFIAA OPERATIONS AND ENVIRONMENTAL STAFF. NO STOCKPILES MAY BE STARTED UNTIL HEIGHT AND CONTAINMENT CONTROL PLANS HAVE BEEN ACCEPTED BY GFIAA STAFF.
6. WORK IN THE NATURAL TREATMENT SYSTEM (NTS) IS OUTSIDE THE AIRPORT SECURITY FENCE. THE DISPOSAL AREA FOR EXISTING NTS MATERIAL IS LOCATED INSIDE THE AIRPORT SECURITY FENCE.
7. REHABILITATION OF THE NTS WILL OCCUR INSIDE THE FENCE SURROUNDING THE NTS. THE GATE MAY BE OPEN WHEN CONSTRUCTION TRAFFIC IS ACTIVELY USING THE GATE. (MINIMUM SIX VEHICLES PASSING THROUGH THE GATE PER HOUR.) THE GATE MUST BE CLOSED AT ALL OTHER TIMES AND AT THE END OF EACH DAY. SECURITY OF THE NTS WILL BE THE CONTRACTORS RESPONSIBILITY WHENEVER THE GATE IS OPEN FOR CONSTRUCTION OF THIS PROJECT.
8. THIS PROJECT INCLUDES REHABILITATION OF NTS CELLS 1A, 1B, 1C, AND 1D, INCLUDING REMOVAL OF EXISTING MATERIALS, PARTIAL REMOVAL OF THE DRAINAGE SYSTEM, PLACEMENT OF NEW AGGREGATE BEDS, BED DRAINAGE SYSTEM, AND RESTORATION.
9. SOIL MATERIALS EXCAVATED FROM THE EXISTING BEDS SHALL BE PLACED IN THE DESIGNATED LOCATION INSIDE GATE 80. TOPSOIL SHALL BE REMOVED FROM THE DISPOSAL AREA PRIOR TO DISPOSAL OF SOILS. TOPSOIL SHALL BE PLACED OVER SOILS ONCE EXCAVATION IS COMPLETE AND THE AREA SEEDED AND MULCHED.
10. CONSTRUCTION STAFF WORKING INSIDE THE AIRPORT SECURITY FENCE SHALL OBTAIN AN AOA SECURITY BADGE FROM THE GERALD R. FORD INTERNATIONAL AIRPORT.
11. GFIAA STAFF WILL NOT ESCORT CONSTRUCTION VEHICLES OR EMPLOYEES INSIDE THE SECURITY (AOA) FENCE. CONTRACTOR WILL BE REQUIRED TO BADGE ENOUGH PEOPLE TO COMPLETE WORK, AS DESCRIBED HEREIN, INSIDE THE SECURITY FENCES WITH THE ALLOTTED CONTRACT TIME. BADGES CAN BE OBTAINED FROM THE AIRPORT POLICE DEPARTMENT BY APPOINTMENT AT https://www.grr.org/badging-services. ADDITIONAL INFORMATION REGARDING THE BADGING PROCESS MAY BE FOUND AT THAT LINK.
12. AOA (GREEN) BADGES ARE REQUIRED. BADGES TYPICALLY TAKE TWO VISITS TO PROCURE. THE FIRST IS TO SUBMIT FINGERPRINTS FOR A BACKGROUND CHECK. THIS CAN TAKE 30 MINUTES OR MORE PER PERSON IN THE POLICE OFFICE. BACKGROUND CHECKS CAN EACH TAKE TWO TO SIX WEEKS TO COMPLETE. ONCE THE BACKGROUND CHECK CLEARS, THE SECOND VISIT IS FOR TRAINING VIDEOS. VIDEOS TYPICALLY TAKE 60 MINUTES OR MORE PER PERSON TO COMPLETE. GFIAA DOES NOT CHARGE A FEE FOR CONTRACTOR BADGES
13. ACCESS TO THE SOIL DISPOSAL AREA WILL BE THROUGH GATES 79 OR 80. GATES MUST BE SECURED AND LOCKED EXCEPT WHEN TRANSITING THROUGH THE GATE. GATE 80 HAS AUTOMATIC GATE ACCESS CONTROL. CONTRACTOR MAY BE GRANTED ACCESS. HOWEVER, EACH VEHICLE TRANSITING THE GATE MUST STOP AND WAIT UNTIL THE GATE IS COMPLETELY CLOSED AND SECURED PRIOR TO MOVING AWAY AND UNBLOCKING THE GATE. GATE 79 DOES NOT HAVE ACCESS CONTROL OR AN ELECTRIC OPERATOR. GATE 79 MAY BE USED FOR ACCESS IF A GATE GUARD IS POSTED. GATE GUARD SHALL BE TRAINED BY THE GFIAA POLICE DEPARTMENT. THE GUARD SHALL BE DEDICATED TO GUARDING THE GATE AND KEEPING RECORDS AS REQUIRED BY GFIAA. USE OF A PRIVATE SECURITY COMPANY, TRAINED BY GFIAA FOR THIS PURPOSE, WILL BE ALLOWED.



CONSTRUCTION POINT/COORDINATE TABLE

POINT #	LOCATION	LATITUDE	LONGITUDE	ELEVATION	MAX. HEIGHT	AMSL
1	W1	N042° 53' 11.65"	W085° 30' 00.88"	752'	35'	787'
2	W2	N042° 53' 11.98"	W085° 29' 44.77"	742'	35'	777'
3	W3	N042° 53' 06.05"	W085° 29' 44.54"	730'	35'	765'
4	W4	N042° 53' 05.73"	W085° 30' 00.66"	736'	35'	771'
5	W5	N042° 53' 38.31"	W085° 30' 56.85"	790'	35'	825'
6	W6	N042° 53' 38.41"	W085° 30' 46.74"	773'	35'	808'
7	W7	N042° 53' 36.36"	W085° 30' 42.83"	773'	35'	808'
8	W8	N042° 53' 34.50"	W085° 30' 41.47"	781'	35'	816'
9	W9	N042° 53' 29.41"	W085° 30' 41.11"	776'	35'	811'
10	W10	N042° 53' 29.00"	W085° 30' 50.22"	773'	35'	808'
11	W11	N042° 53' 32.67"	W085° 30' 50.29"	767'	35'	802'
12	W12	N042° 53' 32.60"	W085° 30' 56.75"	769'	35'	804'
13	S1	N042° 53' 07.00"	W085° 29' 56.90"	730'	35'	765'
14	S2	N042° 53' 05.94"	W085° 29' 51.73"	731'	35'	766'
15	S3	N042° 53' 05.86"	W085° 29' 56.32"	732'	35'	767'
16	S4	N042° 53' 06.40"	W085° 29' 57.43"	732'	35'	767'
17	HR 1	N042° 53' 07.88"	W085° 30' 00.83"	746'	35'	781'
18	HR 2	N042° 53' 33.20"	W085° 30' 48.37"	785'	35'	820'

LEGEND

- CONSTRUCTION AREA
- STAGING & STORAGE AREA
- ACCESS ROUTE
- RPZ — RUNWAY PROTECTION ZONE (RPZ)
- PART 77 SURFACE
- FENCE LINE
- W99 — PROJECT COORDINATE LOCATION
- EXISTING PAVEMENT
- EXISTING BUILDING

NO.	REVISIONS	BY	DATE
1	ADDENDUM 1 – ROAD RESTORATION	JAS	10/30/26
2	ADDENDUM 2 – PHASING NOTES 11, 12 AND 13	JAS	11/5/26

DRAWN SXH
DATE OCT. '26
CHECKED JAS
DATE OCT. '26

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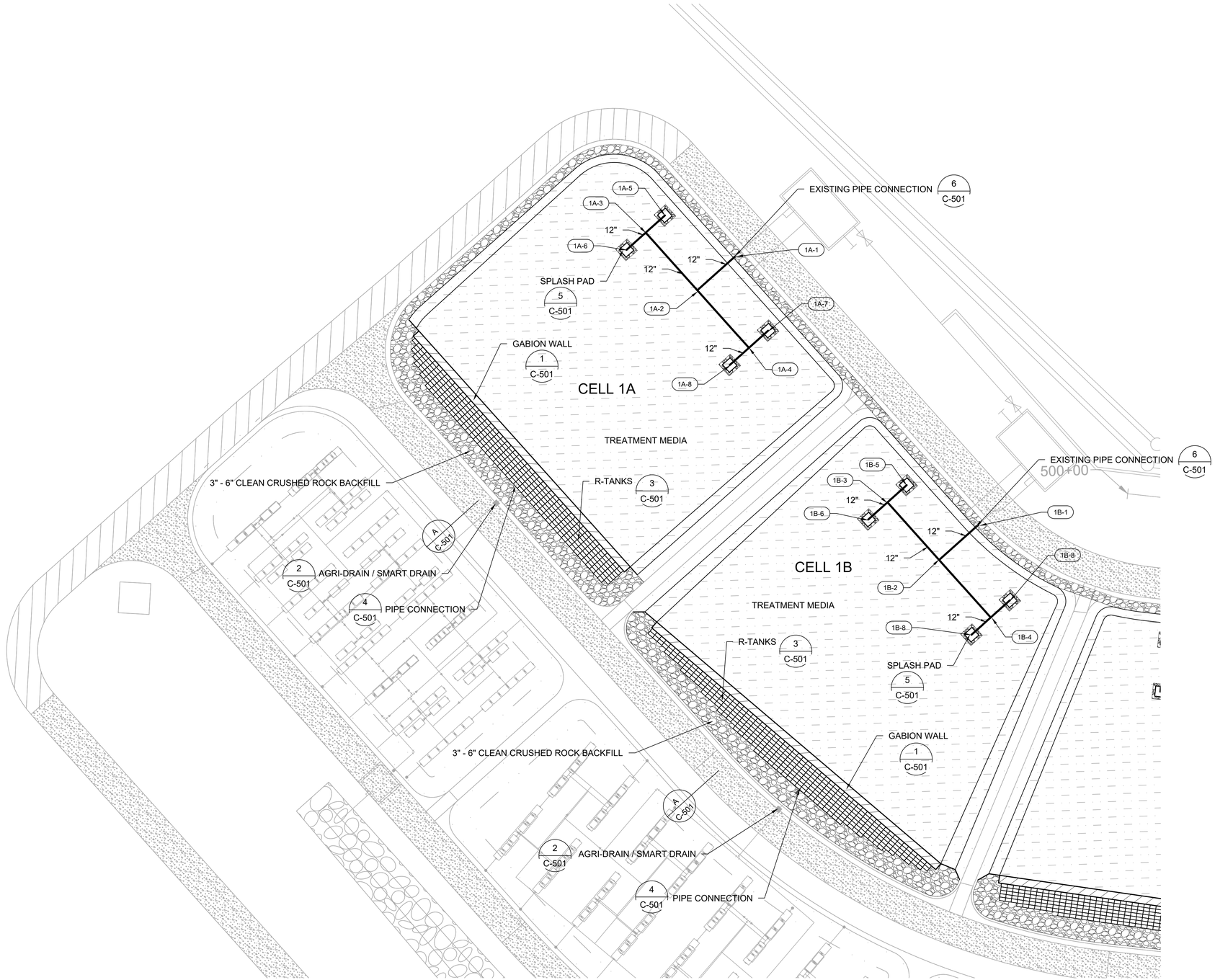
GERALD R. FORD INTERNATIONAL AIRPORT
KENT COUNTY, MICHIGAN
C-449 NATURAL TREATMENT SYSTEM MAINTENANCE, PHASE 2
CONSTRUCTION SAFETY PHASING PLAN

PROJECT NO. 2250383
SHEET NO. G-001

T:\CIVIL3D PROJECTS\2025\2250383_GFIAA_NTS PHASE 2\4_PROJ\2250383_02 03 CSPP PHSJNG - JSTROO - Nov. 05 2026 - 12:39pm - PreinNewhof

NOTES:

1. NEW DISTRIBUTION PIPING WILL CONNECT TO THE EXISTING 12-INCH PIPE THAT REMAINS IN PLACE OUT OF THE EXISTING DOSING SIPHON CHAMBER.
2. FOR PIPING PROFILES SEE DWG. C-201.
3. SIPHON AND DOSING SIPHON CHAMBERS SHALL BE CLEANED OF DEBRIS AND OBSTRUCTIONS DURING CONSTRUCTION. PIPES LEADING FROM DOSING SIPHON CHAMBERS SHALL BE CHECKED AND OBSTRUCTIONS REMOVED.
4. SEE DWG. C-103 FOR WOOD CHIP LIMITS.



STRUCTURE TABLE	
#	DESCRIPTION
1A-1	COUPLING TO EXISTING PIPE N: 507254.62 E: 12819923.47
1A-2	12" TEE N: 507241.89 E: 12819908.43
1A-3	12" TEE N: 507264.80 E: 12819889.06
1A-4	Null Structure N: 507218.99 E: 12819927.80
1A-5	90° BEND ROTATED UP N: 507271.26 E: 12819896.69
1A-6	90° BEND ROTATED UP N: 507258.35 E: 12819881.42
1A-7	90° BEND ROTATED UP N: 507225.44 E: 12819935.43
1A-8	90° BEND ROTATED UP N: 507212.53 E: 12819920.16

STRUCTURE TABLE	
#	DESCRIPTION
1B-1	COUPLING TO EXISTING N: 507147.84 E: 12820014.83
1B-2	12" TEE N: 507134.63 E: 12819999.16
1B-3	12" TEE N: 507157.54 E: 12819979.79
1B-4	12" TEE N: 507111.72 E: 12820018.53
1B-5	12" 90° BEND ROTATED UP N: 507163.99 E: 12819987.43
1B-6	12" 90° BEND ROTATED UP N: 507151.08 E: 12819972.16
1B-7	12" 90° BEND ROTATED UP N: 507118.17 E: 12820026.17
1B-8	12" 90° BEND ROTATED UP N: 507105.26 E: 12820010.90

N

0 20 40 60

Scale In Feet

NO.	REVISIONS	BY	DATE

DRAWN: GFB
DATE: 10/09/2026
CHECKED: VJ
DATE: 10/09/2026

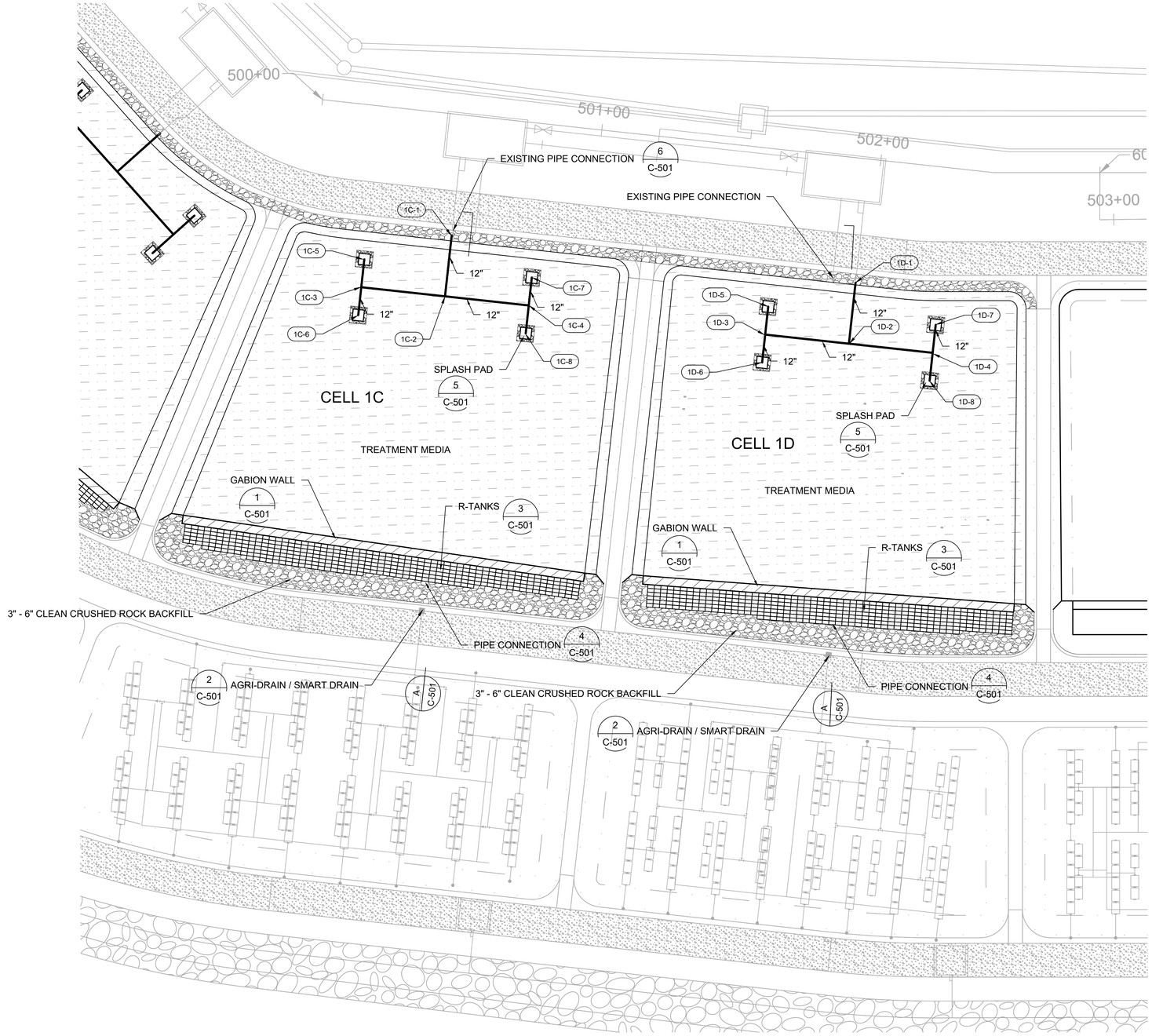
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Jacobs

GERALD R. FORD INTERNATIONAL AIRPORT
KENT COUNTY, MICHIGAN
C-449 NATURAL TREATMENT SYSTEM MAINTENANCE, PHASE 2
CELLS 1A & 1B
PIPING PLAN

PROJECT NO. 2250383
SHEET NO. C-105

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NOTES:

1. NEW DISTRIBUTION PIPING WILL CONNECT TO THE EXISTING 12-INCH PIPE THAT REMAINS IN PLACE OUT OF THE EXISTING DOSING SIPHON CHAMBER.
2. FOR PIPING PROFILES SEE DWG. C-202.
3. SIPHON AND DOSING SIPHON CHAMBERS SHALL BE CLEANED OF DEBRIS AND OBSTRUCTIONS DURING CONSTRUCTION. PIPES LEADING FROM DOSING SIPHON CHAMBERS SHALL BE CHECKED AND OBSTRUCTIONS REMOVED.
4. SEE DWG. C-104 FOR WOOD CHIP LIMITS.

STRUCTURE TABLE	
#	DESCRIPTION
1C-1	COUPLING TO EXISTING PIPE N: 507108.50 E: 12820117.58
1C-2	12" TEE N: 507086.90 E: 12820114.58
1C-3	12" TEE N: 507091.00 E: 12820084.86
1C-4	12" TEE N: 507082.80 E: 12820144.30
1C-5	90° BEND ROTATED UP N: 507100.90 E: 12820086.23
1C-6	90° BEND ROTATED UP N: 507081.09 E: 12820083.50
1C-7	90° BEND ROTATED UP N: 507092.70 E: 12820145.67
1C-8	90° BEND ROTATED UP N: 507072.89 E: 12820142.93

STRUCTURE TABLE	
#	DESCRIPTION
1D-1	COUPLING TO EXISTING PIPE N: 507087.62 E: 12820260.88
1D-2	12" TEE N: 507065.90 E: 12820257.88
1D-3	12" TEE N: 507070.00 E: 12820228.16
1D-4	12" TEE N: 507061.80 E: 12820287.60
1D-5	12" 90° BEND ROTATED UP N: 507079.91 E: 12820229.53
1D-6	12" 90° BEND ROTATED UP N: 507060.10 E: 12820226.80
1D-7	12" 90° BEND ROTATED UP N: 507071.71 E: 12820288.97
1D-8	12" 90° BEND ROTATED UP N: 507051.90 E: 12820286.24

N

0 20 40 60

Scale In Feet

NO.	REVISIONS	BY	DATE

DRAWN: GFB
DATE: 10/09/2026
CHECKED: VJ
DATE: 10/09/2026

Prein&Newhof
Engineers • Surveyors • Environmental • Laboratory

Jacobs

GERALD R. FORD INTERNATIONAL AIRPORT
KENT COUNTY, MICHIGAN
C-449 NATURAL TREATMENT SYSTEM
MAINTENANCE, PHASE 2
CELLS 1C & 1D
PIPING PLAN

PROJECT NO. 2250383
SHEET NO. C-106

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