RURAL WATER SYSTEM #1 WETLAND COMPLEX

ISG PROJECT # 23-30403

HOSPERS, IOWA

CONSTRUCTION PLANS

LEGEND

WATERSHED BOUNDARY CITY LIMITS SECTION LINE QUARTER SECTION LINE RIGHT OF WAY LINE ACCESS CONTROL WATER EDGE WETLAND BOUNDARY EXISTING OPEN DITCH CULVERT GAS OVERHEAD ELECTRIC UNDERGROUND TV

0

PROPOSED

OPEN DITCH REPAIR CULVERT (RCP) CULVERT (CMP) TILE PRIVATE TILE GAS

CULVERT (HDPE) TILE (PIPE WIDTH) OVERHEAD ELECTRIC UNDERGROUND TV CONTOUR (MAJOR) CONTOUR (MINOR) DROP INTAKE SLOUGH REPAIR SPOIL PLACEMENT TREE CLEARING REMOVE TREE





PROJECT LOCATION-

SHEET INDEX

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CALEB

RASMUSSEN

C4-40 SITE ACCESS PLAN C5-10 SITE RESTORATION



1-800-292-8989

4-28-2025

www.iowaonecall.com

I hereby certify that this engineering document was prepared by me or under direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of

INC. AND MAY NOT BE USED, COPIED OR DUPLICATED WITHOUT PRIOR WRITTEN CONSENT.

RURAL WATER SYSTEM #1

> WETLAND **COMPLEX**

23-30403 PROJECT NO. 30403-C0-TITLE DRAWN BY

GIS DISCLAIMER:

Printed or typed name CALEB RASMUSSEN

My license renewal date is December 31, 2026

INFORMATION FOR THE BOUNDARY / LOT LINES, AND UNDERGROUND UTILITIES SHOWN WAS DERIVED FROM DIGITAL DATABASES AND IS FOR INFORMATIONAL PURPOSES ONLY. DATA MAY NOT HAVE BEEN PREPARED FOR OR BE SUITABLE FOR: LEGAL ENGINEERING OR SURVEYING PURPOSES

RURAL WATER SYSTEM #1 44381 380TH ST HOSPERS, IA 51238

ADDRESS / LOCATION:

S14 T96N R43W

LYNN TWP HOSPERS, IOWA

MANAGING OFFICE:

STORM LAKE OFFICE 1725 LAKE AVE. NORTH STORM LAKE, IA 50588 PHONE: 712.732.7745

PROJECT MANAGER: CALEB RASMUSSEN EMAIL: CALEB.RASMUSSEN@ISGINC.COM

SPECIFICATIONS REFERENCE

ALL CONSTRUCTION SHALL COMPLY WITH SIOUX COUNTY'S ALL CONSTRUCTIONS HALL COMPLY WITH SHOUX COUNTY'S REQUIREMENTS AND WITH THE IOWA NECS STANDARD SPECIFICATIONS. COMPLIANCE WITH THE 2024 EDITION OF THE STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) SHALL BE MADE AS SUPPLEMENT WHEN INDICATED OR UNLESS DIRECTED OTHERWISE.

PROJECT DATUM

HORIZONTAL COORDINATES HAVE BEEN REFERENCED TO THE HORIZONTAL COORDINATES HAVE BEEN REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83), ON THE IOWA REGIONAL COORDINATE SYSTEM (ZONE 1), IN U.S. SURVEY FEET. ELEVATIONS HAVE BEEN REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). RTK GPS METHODS WERE USED TO ESTABLISH HORIZONTAL AND VERTICAL COORDINATES FOR THIS PROJECT.

B.M. ELEVATION = 1361.90

ALUMINUM CAP IN BRIDGE RAIL NORTH WEST

TITLE

TOPOGRAPHIC SURVEY

THIS PROJECT'S TOPOGRAPHIC SURVEY CONSISTS OF DATA COLLECTED IN APRIL 2024 BY ISG.

REVIEWED BY

TITLE

ORIGINAL ISSUE DATE 4/28/2025 CLIENT PROJECT NO

C0-10

WETLAND CONSTRUCTION NOTES

EARTHWORK

NO FILL SHALL BE PLACED WITHIN THE FLOODPLAIN UNLESS SHOWN ON THE SITE PLAN. NO FILL SHALL BE PLACED OUTSIDE THE EASEMENT AREA, THE RALLROAD RIGHT OF WAY, OR ANY ROAD RIGHT OF WAY.

Bid Item

Sub-Item

Crop damage

Temporary Access

IA CS-001 IA CS-001

5 5 A

Site stripping & preparation

Description

Specifications
No.

Quantity

Unit or Select

As-Built

IA CS-001

ITEMS OF WORK

- SPOIL AREAS NEAR THE ROAD SHALL NOT BE CONSTRUCTED MORE THAN 4-FT HIGHER THAN TOP OF ROAD ELEVATION.
- ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS, WHICH INCLUDE, BUT ARE NOT LIMITED TO, THE OWNER CONTRACTOR AGREEMENT, THE PROJECT MANUAL, DRAWINGS OF ALL DISCIPLINES AND ALL ADDENDA, MODIFICATIONS, AND CLARIFICATIONS ISSUED BY ARCHITECTIENGINEER. CONTRACT DOCUMENTS SHALL BE ISSUED TO ALL SUBCONTRACTORS BY THE GENERAL CONTRACTOR IN COMPLETE SETS IN ORDER TO ACHIEVE THE FULL EXTENT
- AND COMPLETE COORDINATION OF ALL WORK.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- DETAILS SHOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPE OF DETAILING REQUIRED THROUGHOUT THE WORK, DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO DETAILS SHOWN. WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, NOTIFY ARCHITECT/ENGINEER BEFORE FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- ALL MANUFACTURED ARTICLES, MATERIALS, AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, CLEANED, AND CONDITIONED ACCORDING TO MANUFACTURERS INSTRUCTIONS IN CASE OF DISCREPANCIES BETWEEN MANUFACTURERS INSTRUCTIONS AND THE CONTRACT DOCUMENTS, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK

PROCEEDING WITH THE WORK.

- ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.
- THE LOCATION AND TYPE OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE ACCURATE AND COMPLETE TO THE BEST OF THE KNOWLEDGE OF 1 & S GROUP, INC. (ISG). NO WARRANTY OR GUARANTEE IS IMPLIED. THE CONTRACTOR SHALL VERIFY THE SIZES, LOCATIONS, AND ELEVATIONS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR VARIATIONS

14 15 16

IA CS-046

IA CS-046

57

EAF

IA CS-046

2,047

IA CS-031 IA CS-026 IA CS-023

15,000 32,304

IA CS-051

10

EA

IA CS-061

1,607

TNEA

IA CS-051

Polypropylene pipe

10. UTILITIES - CONTRACTOR IS RESPONSIBLE FOR CALLING IOWA ONE CALL: 1-800-292-8989 AND PROTECTION OF ALL UTILITIES.

- 12. CONTRACTOR SHALL IMMEDIATELY REPORT TO ENGINEER ALL PREVIOUSLY UNKNOWN TILE LINES ENCOUNTERED DURING THE WORK AND LEAVE THE TILE LINES UNCOVERED FOR EVALUATION BY ENGINEER. SAFETY - ALL WORK SHALL BE DONE ACCORDING TO OSHA STANDARDS FOR PROTECTION OF LIFE. NOTHING INDICATED ON THE DRAWINGS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH ANY APPROPRIATE SAFETY REGULATION.
- 4 ಘ CONTROL - CONTRACTOR IS TO PROTECT ALL CONTROL POINT AND WORK LIMIT PINS SET PRIOR TO CONSTRUCTION · CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DRAINAGE THROUGHOUT CONSTRUCTION TO ENSURE FAVORABLE WORKING CONDITIONS, INCLUDING
- 15. CONTRACTOR IS RESPONSIBLE FOR PROVIDING WATER TO ENSURE SOILS MEET MINIMUM MOISTURE REQUIREMENTS.

DEWATERING AS NECESSARY.

- 16. RUBBISH DISPOSAL - STRUCTURES, ROCKS, FENCE, AND RUBBISH ENCOUNTERED WITHIN THE EASEMENT AREA ARE TO BE DISPOSED OF BY BURIAL OR OTHER APPROVED MEANS. MISCELLANEOUS ROCKS AND RUBBISH ENCOUNTERED DURING EXCAVATION ARE TO BE INCLUDED FOR BURIAL AS WELL. A MINIMUM OF THREE (3) FEET OF COVER OVER BURIED RUBBISH IS REQUIRED.
- EQUIPMENT STAGING CONTRACTOR TO DESIGNATE EQUIPMENT STAGING AREA AT PRECONSTRUCTION MEETING
- 18. ACCESS SHALL BE COORDINATED WITH THE LANDOWNER PRIOR TO MOBILIZATION. CARE SHOULD BE TAKEN TO PROTECT EXISTING VEGETATION. THE CONTRACTOR IS RESPONSIBLE FOR SEEDING ANY DISTURBED AREAS DUE TO CONSTRUCTION ACCESS.

19. SUPPLEMENTAL DETAILS:

- SUDAS 4030.225 METAL GUARD SUDAS 4020.211 - STORM SEWER PIPE CONNECTIONS
- 19.1. 19.2. 19.3. 19.4. 19.5. SUDAS 9040.117 - SEDIMENT BAFFLE SUDAS 9040.105 - WATTLE
- SUDAS 9040.119 SILT FENCE SUDAS 9040.120 STABILIZED CONSTRUCTION EXIT

Perforated CMP Riser with Trash Guard 3-Chamber Water Control Structure Assembly 2-Chamber Water Control Structure Assembly **Mobilization and Demobilization** Other: Pollution Control Corrugated profile wall (Dual wall) Polyethylene pipe: Tied Concrete Block Mat

> IA CS-023 IA CS-021 IA CS-008 IA CS-006 IA CS-005

126

4 2 2 2 2 5 8

279,295

19.7

279,169

Earthfill (Wasting) Earthfill (General) Excavation (General)

Topsoil Placement

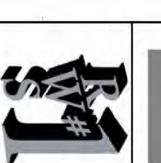
Buffer Seeding

10 11 12

Class E Riprap

CMP tile outlets (20 LF each):

Bid Item	Sub-Item	Description & preparation	ns	Shop Drawing	Required Inspection or Survey Required Inspection or Survey Inspection: verify topsoil strip depth Review: by survey or contractor equipment (laser level, machine control) Inspection: area damaged Review: engineer's survey of damaged area
3 2		Crop damage Temporary Access	IA CS-001		Inspection: area damaged Review: engineer's survey of damaged area
4	-	Other: Pollution Control	IA CS-005		
5		Buffer Seeding	IA CS-006	×	Inspection: seed bed preperation Review: visual
6	-	Mobilization and Demobilization	IA CS-008		
7	-	Excavation (General)	IA CS-021		Inspection: soils suitability for earthen berm Review: visual, non-destructive field testing (ribboning)
8	-	Earthfill (General)	IA CS-023		Inspection: Compaction of earthern berm Review: visual, field testing as required (proof roll, denting)
9	'	Earthfill (Wasting)	IA CS-023		Inspection: Final grading Review: visual + survey as conditions dictate
10	-	Topsoil Placement	IA CS-026		Inspection: subgrade to verify topsoiling depth Review: by survey or contractor equipment (laser level, machine control)
11	_	Tied Concrete Block Mat	IA CS-031	×	Inspection: subgrade prior to installation, keys, anchors Review: visual
12	-	Corrugated profile wall (Dual wall) Polyethylene pipe:			
	Ą	12"	IA CS-046	×	Inspection: Initial blinding, use of ASTM Class 2 backfill Review: visual, engineer supplied pipe crawler (if conditions dictate), survey of flow line elevations upon notice from contractor
13	-	Polypropylene pipe			
	Þ	24"	IA CS-046	×	Inspection: Initial blinding, use of ASTM Class 2 backfill Review: visual, engineer supplied pipe crawler (if conditions dictate), survey of flow line elevations upon notice from contractor
14		3-Chamber Water Control Structure Assembly	IA CS-046	×	Inspection: Structure installation (concrete base, dissimilar pipe connection, backfill) Review: Visual
15	1	2-Chamber Water Control Structure Assembly	IA CS-046	×	Inspection: Structure installation (concrete base, dissimilar pipe connection, backfill) Review: Visual
16	1	Perforated CMP Riser with Trash Guard			
	A.	18"	IA CS-051	×	Inspection: Dissimilar pipe connection Review: visual
17	-	CMP tile outlets (20 LF each):			
	A.	15" x 20'	IA CS-051	×	Inspection: soil tight joint Review: visual
18		Class E Riprap	IA CS-061	×	Inspection: Subgrade preperation with fabric (less around riser), final installation Review: visual, survey or contractor equipment (laser level, machine control) as conditions dictate







Y OF I & S GROUP.

RURAL WATER SYSTEM #1

COMPLEX WETLAND

DESIGNED BY
REVIEWED BY 30403-C0-NOTES JAT RAM/HPT CDR

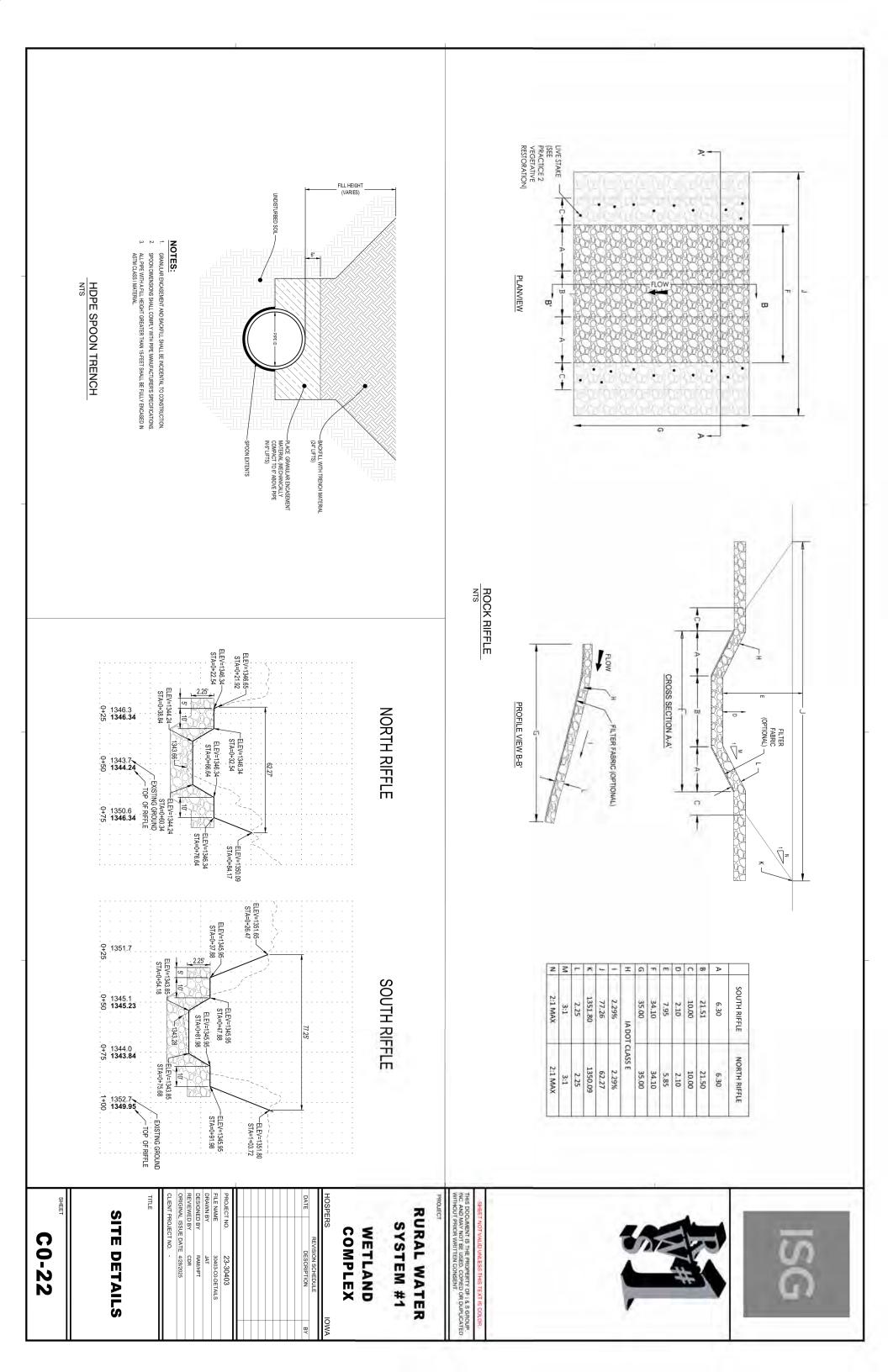
CONSTRUCTION QUANTITIES NOTES &

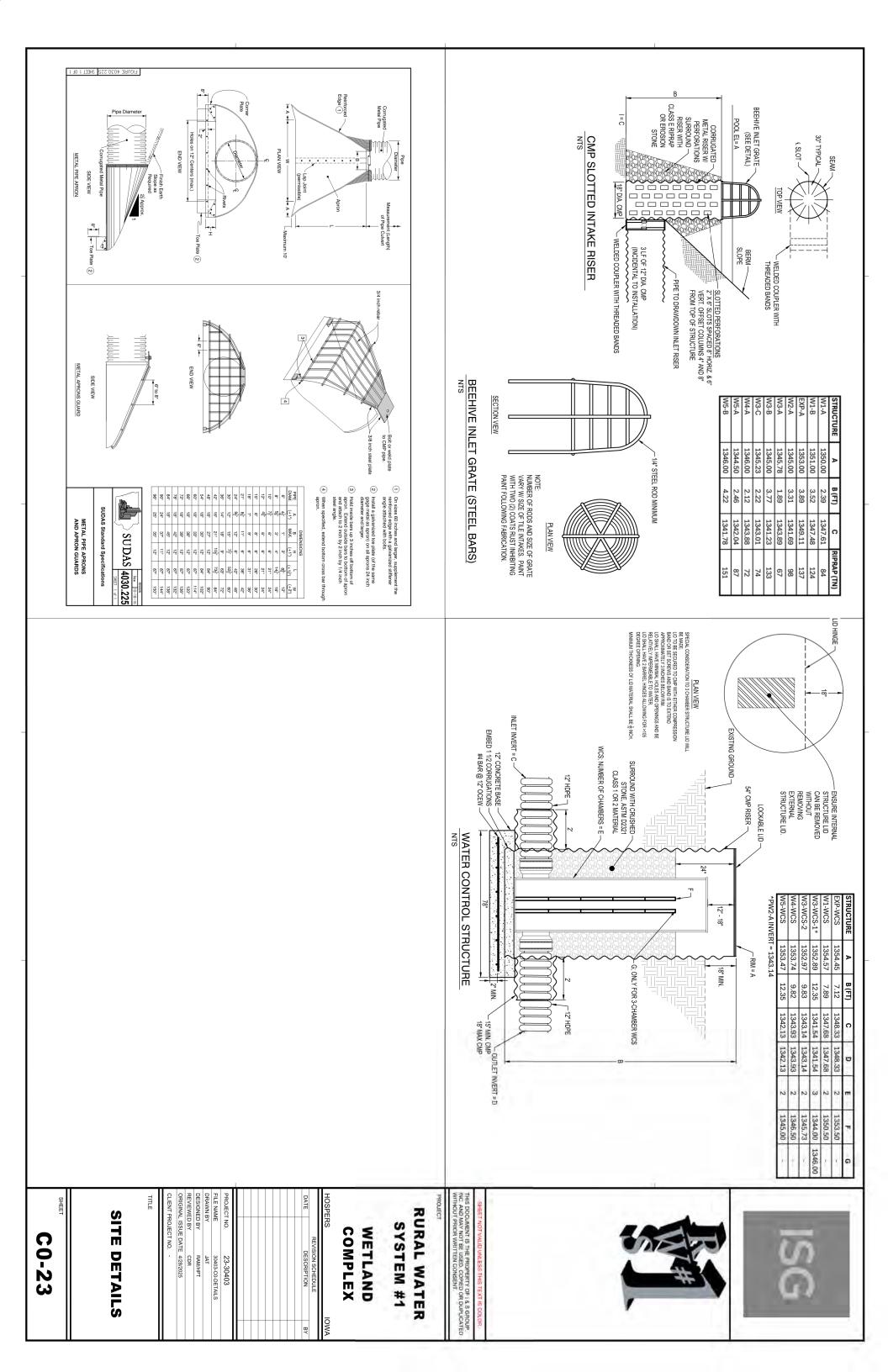
CLIENT PROJECT NO. -DRIGINAL ISSUE DATE 4/28/2025

C0-20

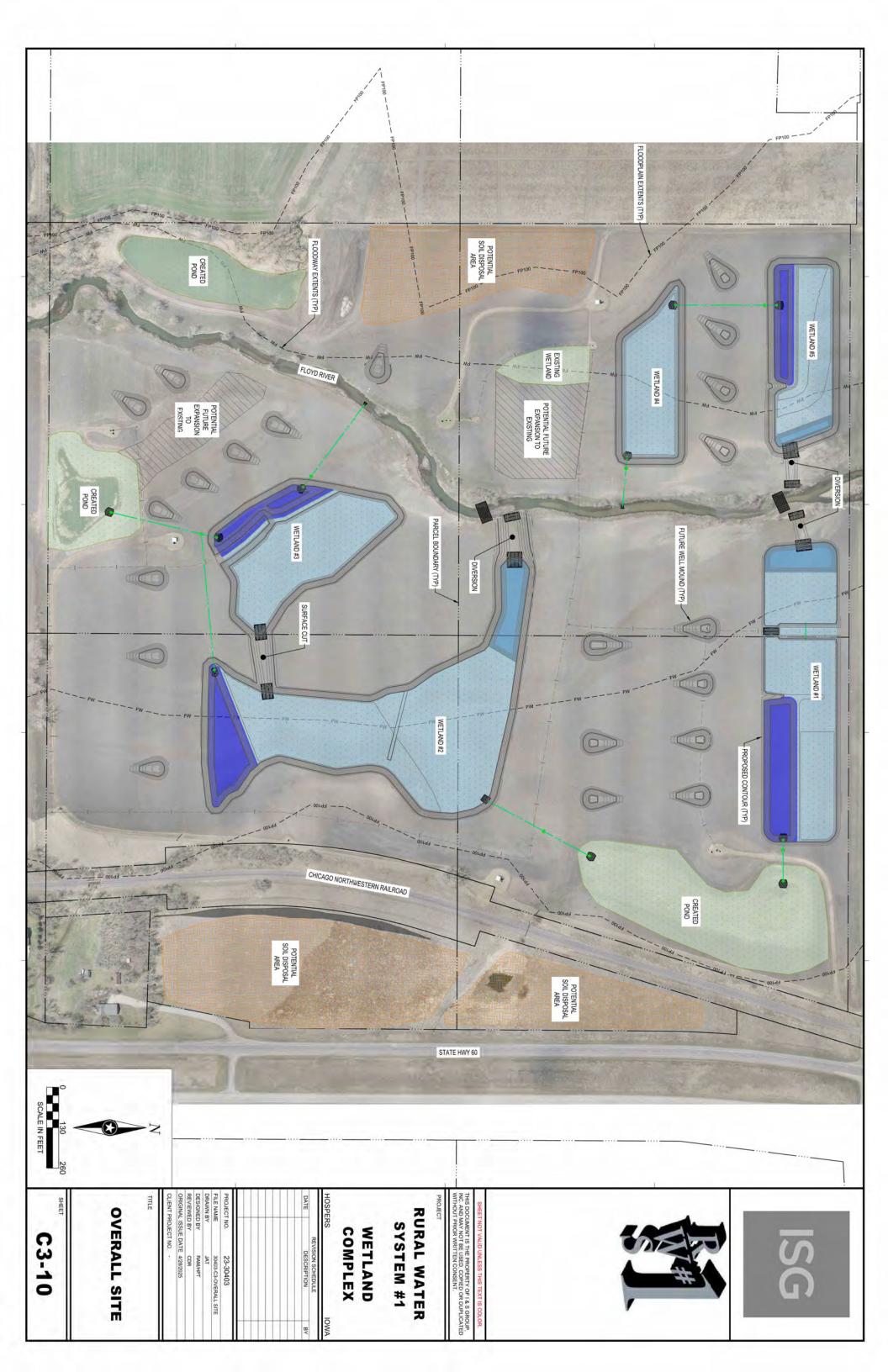
	No fabric or crushed stone to be used as bedding or blanket material. Contractor may elect to use either erosion stone or Class E riprap to surround the slotted risers. Only Class E riprap can be used to construct rock riffles.	Class E Riprap	IA CS-061	18
REFERENCES	Installation per specification. Inloudes metal pipe apron per SUDAS 4030.225, where specified on plans. Includes a dissimilar pipe connection such as a Marmac or equivalent, or concrete collar per SUDAS 4020.211.	CMP tile outlets (20 LF each) with Animal Guard, 15" x 20'	IA CS-051	17
πιτε	Minimum gauge to be 14. Includes 3 feet long welded stub per detail. Includes a dissimilar pipe connection such as a Marmac or equivalent, or concrete collar per SUDAS 4020.211.	Perforated CMP Riser with Trash Guard, 18"	IA CS-051	16
REVIEWED BY COR ORIGINAL ISSUE DATE 4/28/2025 CLIENT PROJECT NO	Water Control Structures to be AgriDrain or equivalent. 4 tons of surrounding aggregate is assumed for each structure. Check couplers are fully tightened prior to placing surrounding aggregate.	2&3-Chamber Water Control Structure Assembly	IA CS-046	14, 15
	Includes time to locate all crossed utilities. Contractor to notify engineer of any elevation conflicts between raw water mains and wetland piping. All piping shall be gasketed and water tight. Alternate pipe trench to have prior approval from engineer.	Corrugated profile wall (Dual wall) Polyethylene pipe, 12". 24"	IA CS-046	12, 13
	This item shall consist of all necessary materials, labor, and transportation necessary for the installation of tied concrete block matting (TCBM). TCBM shall be Flexamat standard or equivalent. Installation shall be "perpendicular to flow" for spillways and overflows. Measure and payment will be based on plan quantity. Plan quantity does not account for overlap or key ins, but does include 2 feet over run in length and width to account for variability in manufacture dimensions. Where specified, this item includes all labor, transportation, and materials necessary for the installation of bedding material. Items subsidiary to the installation include excavation for structures and dewatering.	Tied Concrete Block Mat	IA CS-031	<u>:</u>
HOSPERS IOWA	Topsoil stockpile areas shall not be incorperated with other spoils. Excess topsoil to be spread on top of finished stockpiles.	Topsoil Placement	IA CS-026	10
WETLAND	Includes all material disposed of designated sites. Contractor to generally segregate dissimilar materials within the stockpiles. Contractor has limited discretion to place and shape materials in various stockpiles. Stockpiles must not pool water and not encroach within 20 feet of any property line. Stockpiles have been modeled to hold a 10% swell volume at 3H:1V slopes. It is preferred that slopes taller than 12 feet be benched 10 feet horizontally, but not required unless slopes are steeper than 3H:1V.	Earthfill (Wasting)	IA CS-023	φ
SYSTEM #1	Earthfill in constructed wetland areas shall be by method 1 per IA CS-023. Does not include construction of future well heads.	Earthfill (General)	IA CS-023	ω
INC. AND MAY NOT BE USED, COPED OR DUPLICATED WITHOUT PRIOR WRITTEN CONSENT. PROJECT	Excavation depths based on geotechnical exploration and high permisivity aquifer areas. Removal of water to facilitate excavations is considered subsidary to this item. Pumping and disposal of water to be in accordance with state requirements. Hauling over public roads with equipment other than dump truck or tractor-trailer (such as scraper) to be negotiated with the jurisdictional entity.	Excavation (General)	IA CS-021	7
SHEET NOT VALID UNLESS THIS TEXT IS COLOR.	Contractor is responsible to monitor river conditions and move equipment and materials if risk of flood is imminent. Loss of materials stored on site due to negligence shall be replaced by the contractor at no additional cost.	Mobilization and demobilization	CS-008	6
	Includes all final seeding for the job. Temporary stabilization seeding associated with open excavation not actively worked in times of fair weather is not included. This items also includes crimped straw mulching of the stockpile areas, 13.2 acres total. Mulch shall be in conformance with IA CS-006 and applied at a rate of 1.5 tons/acre. No seperate payment will be made for crimped straw mulching. Seeding shall not be done in the floodplain when any cummulative precipitation of 4 inches or more is projected in the 10 day forecast, or 2.5 inches or precipitation is projected in a 24 hour period.	Buffer seeding	IA CS-006	Ch
53	Includes all pre and post construction control necessary. Contractor is required to stabilize disturbed areas per site restoration plan within 14 days after final disturbance. Partial substantial completion walk throughs may be requested as groups to intitiate seeding and restoration work: -Wetland #1 - Wetland #2 & #3 -Wetland #2 & #3 -Wetland #4 & #5 -East Disposal Areas -West Disposal Areas -West Disposal Areas Contractor to minimize overall disturbed areas as responsible work progression dictates. Temporary sediment controls are required for unfinished, inactive grading areas that remain bare longer than 14 days. No additional compensation will be made for temporary controls will be prescribed by the engineer based on review of site conditions. Structural Controls included with this item are: Straw Wattles: Refer SUDAS 9040.105-113 linear feet, 9" nominal. Site Fence: Refer SUDAS 9040.119 - 5.526 linear feet, 9" nominal. Sediment Baffles: Refer SUDAS 9040.117 - 2 baffles locations, totaling 235 linear feet. No additional compensation will be made for structural controls. Perimeter controls are to be installed prior to ground disturbance. Allowance for work progression and access will be made for partial installation.	Pollution Control	IA-CS-005	4
	This item will consist of work to provide temporarily access to the site and spoil stockpile areas. Including securing local permits from the country, 3 construction exits per SUDAS 9040.120 are included in this different and spoil stockpile areas. Including securing local permits from the country. 3 construction exits per SUDAS 9040.120 are included in this different permits from the contractors of section are to have sediment trackout controls. No additional parties is to be made for additional construction entrances. Work limits and access routes privately negotiated by contractor shall not bind the engineer or owner for any compensation or restoration efforts. Any private access agreement shall be made known the owner and engineer. Haul routes over existing water lines are to be monitored on a weekly basis. Report any rutting or wetspots near water lines immediately to all parties. At this time no road use agreements are required with Sioux County Engineer or lowa DOT. ISG will document existing road conditions at the pre-construction meeting. If for any reason the contractor is required to obtain a road use agreement, the contractor shall notify the engineer and owner immediately. Maintaince of roads beyond the managment of sediment trackout is not anticipated.	Temp Access	A CS-001	ω
	No crop damages are anticipated. Work limits and haul routes privately negotiated by contractor for haul routes outside the easement area.	Crop damage	IA CS-001	2
0	Total quantity of material to be stripped is 32,304 CY. Stripping associated with pipe and structure installation is considered incidental to those bid items and not included in referenced quantity.	Site stripping & preparation	IA CS-001	-3
100	DESCRIPTION WETLAND COMPLEX	ITEM	SPECIFICATION NO.	ITEM NO.
	ESTIMATE REFERENCE INFORMATION			
		-		

C0-21

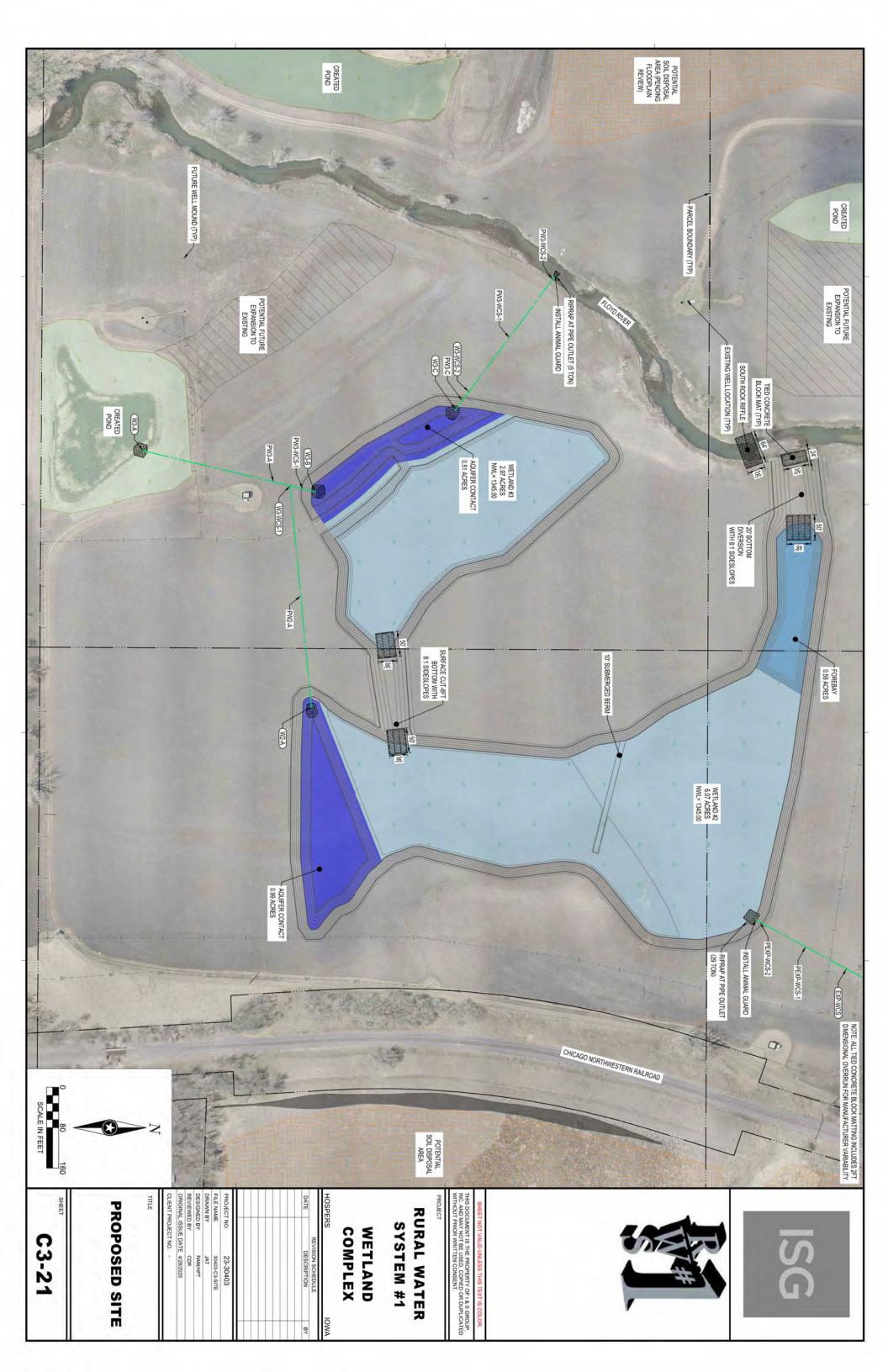




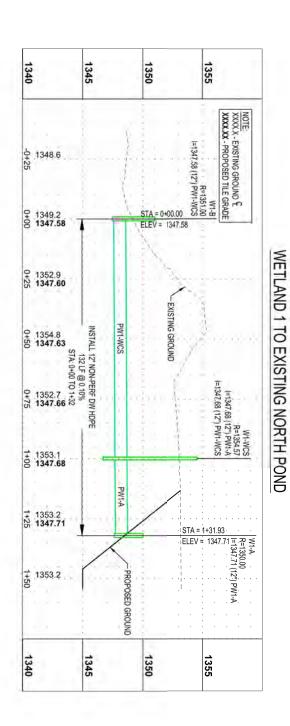








1340 1355 1335 1345 1350 NOTE: XXXX.X - EXISTING GROUND \$ STA = 0+00.00 ELEV = 1347.30 STA = 0+20.00 ELEV = 1347.40 PEXP-WCS-2 PROPOSED GROUND 우 1350.8 **1347.43** INSTALL 15" CMP WITH ANIMAL GUARD 20 LF @ 0.50% STA: 0+00 TO 0+20 9 1351.0 1347.56 9 1351.1 7 **1347.68** 1351.3 8 **1347.81** EXPECTED — WATERLINE CONFLICT ZONE 1351.5 1347.93 NORTH EXISTING POND TO WETLAND 2 1351.7 5 **1348.06** 1351.8 7 **1348.18** INSTALL 12" NON-PERF DW HDPE 351 LF @ 0.50% STA: 0+20 TO 3+71 1352.0 6 **1348.31** EXP-WCS R=1354.45 I=1348.33 (12") PEXP-A I=1348.33 (12") PEXP-WCS-1 ² 1352.1 **1348.43** ² 1352.3 **1348.69** EXISTING GROUND -^ω 1352.4 8 **1348.81** 3+ 1352.1 25 **1348.94** =1349,17 (12") PEXP-A STA = 3+70,87 . ELEV = 1349,17 ^ω 1352.0 **1349.06**



C3-30

PIPE PROFILES

CLIENT PROJECT NO. -ORIGINAL ISSUE DATE 4/28/2025

30403-C3-PROFILE
JAT
RAM/HPT
CDR

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RURAL WATER SYSTEM #1 COMPLEX WETLAND

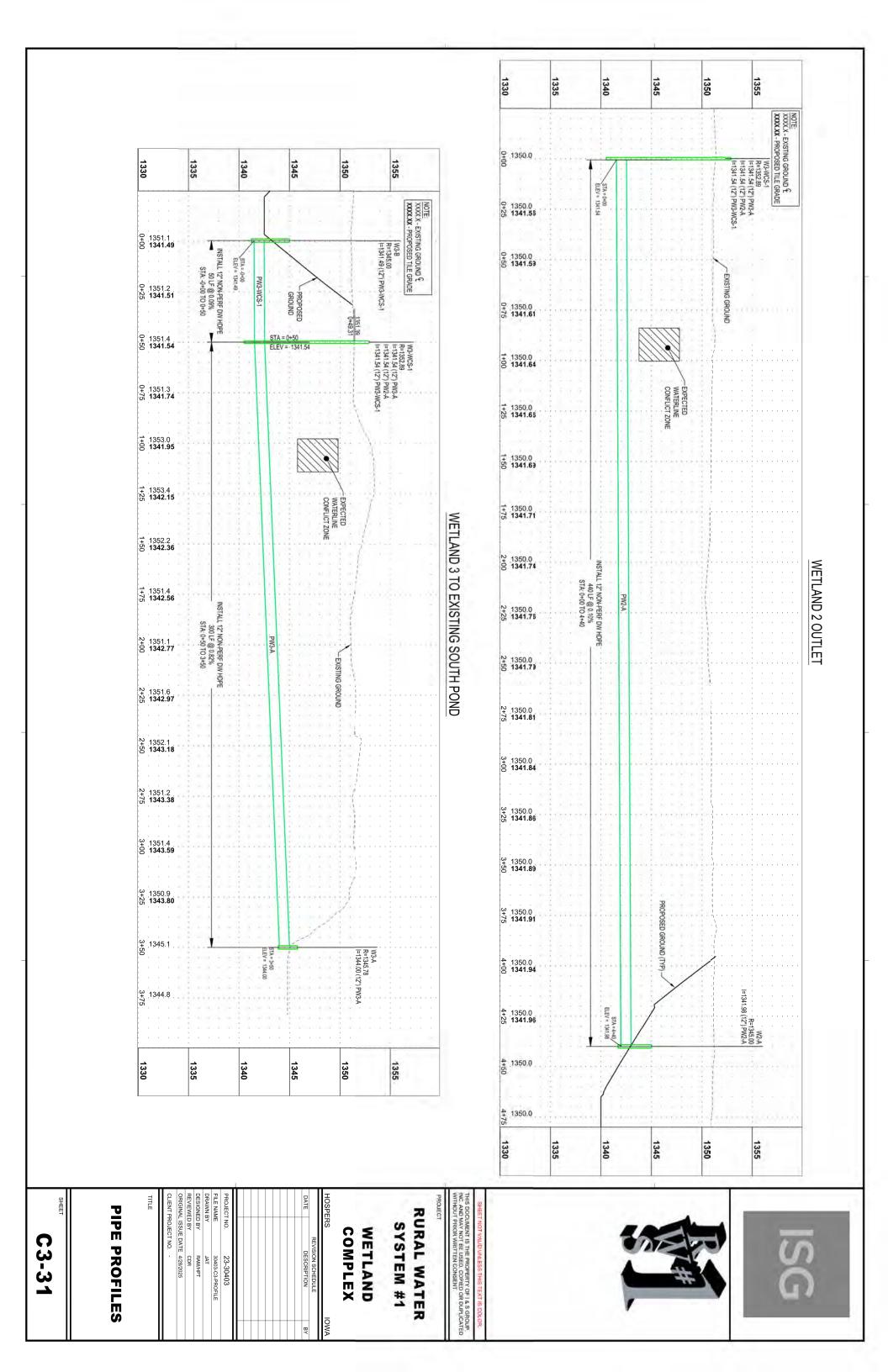
1350

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Y OF I & S GROUP, ED OR DUPLICATED







NOTE: XXXX.X - EXISTING GROUND & XXXX.XX - PROPOSED TILE GRADE STA = -0+00 ELEV = 1342.86 9 1345.1 8 **1342.86** STA = 0+20 ELEV = 1342.88 ♀ 1350.1 ℞ **1342.89** INSTALL 15" CMP WITH ANIMAL GUARD 20 LF @ 0.10% STA: -0+00 TO 0+20 우 1350.8 영 **1342.91** ♀ 1350.6 **♂ 1342.94** 1350.2 1342.96 1350.0 25 **1342.98** WETLAND 3 TO FLOYD RIVER 1350.0 1343.01 PW3-WCS-1 INSTALL 12" NON-PERF DW HDPE 311 LF @ 0.10% STA: 0+20 TO 3+31 EXISTING GROUND 1350.0 7 1343.03 2 1350.0 8 **1343.06** 2 1350.0 2 1343.08 2 1350.0 5 1343.11 W3-WCS-2 R=1352.97 [=1343.14 (12") PW3-C I=1343.14 (12") PW3-WCS-1 2+ 1350.0 75 1343.13 ° 1350.0 ○ 1343.15 PW3-C 3 1350.0 2 1343.18 STA = 3+31 . ELEV = 1343.18 W3-C R=1345.23 I=1343.19 (12") PW3-C 3 1350.0 PROPOSED GROU

1330

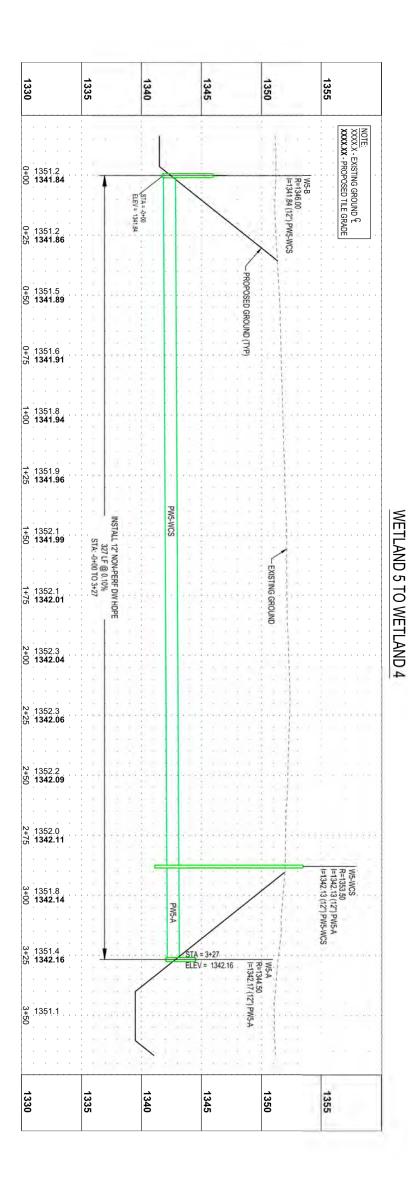
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ORIGINAL ISSUE DATE 4/28/2025 30403-C3-PROFILE

JAT

RAM/HPT

CDR

PIPE PROFILES

C3-32

RURAL WATER SYSTEM #1

WETLAND COMPLEX

Y OF I & S GROUP, LED OR DUPLICATED

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B

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1355



1355 1345 1350 1335 1340 NOTE: XXXX.X - EXISTING GROUND & XXXX.XX - PROPOSED TILE GRADE STA = 0+00 FUELEV = 1343.81 9 1343.8 9 1343.81 STA = 0+20 EXISTING GROUND 우 1353.3 당 **1343.83** INSTALL 12' NON-PERF DW HDPE INSTALL 12' NON-PERF DW HDPE 137 LF @ 0.10% STA: 0+00 TO 0+20 3 343.86 3 343.86 3 343.88 3 343.88 3 343.88 W4-WCS R=1353.74 I=1343.93 (12") PW4-A I=1343.93 (12") PW4-WCS-1 + 1352.2 % 1343.93 W4-A R=1346.00 I=1343.96 (12") PW4-A PROPOSED GROUND PW4-A 1352.4 8 1343.96 STA = 1+57 ELEV = 1343.96

1340

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WETLAND 4 TO FLOYD RIVER

1355

PIPE PROFILES

C3-33

FILE NAME 30403-C3-PROFILE
DRAWN BY JAT
DESIGNED BY RAM/HPT
REVIEWED BY CDR
ORIGINAL ISSUE DATE 4/28/20/25 CLIENT PROJECT NO. -

COMPLEX

WETLAND

RURAL WATER SYSTEM #1

RTY OF I & S GROUP, SPIED OR DUPLICATED SENT.





