

FEAGINS (IA-340) AML RECLAMATION PROJECT

E 1/2 OF THE NW 1/4, SECTION 19, TOWNSHIP 74N, RANGE 18W, MARION COUNTY

IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP DIVISION OF SOIL CONSERVATION AND WATER QUALITY

FUNDED BY:
U.S. DEPARTMENT OF THE INTERIOR
OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT
GRANT NO: S24AF00083

MARION COUNTY
NO SCALE



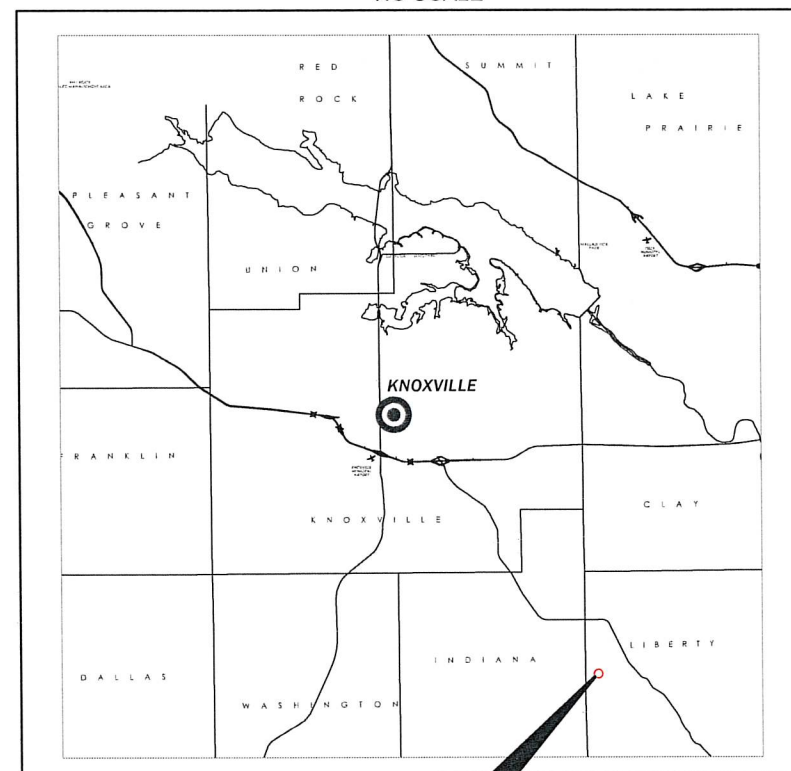
STATE OF IOWA
NO SCALE



PREPARED FOR:
DIVISION OF SOIL CONSERVATION AND WATER QUALITY
IOWA DEPARTMENT OF AGRICULTURE & LAND STEWARDSHIP
HOOVER STATE OFFICE BUILDING
1305 E. WALNUT STREET, FIFTH FLOOR
DES MOINES, IOWA 50319
(515) 281-4246

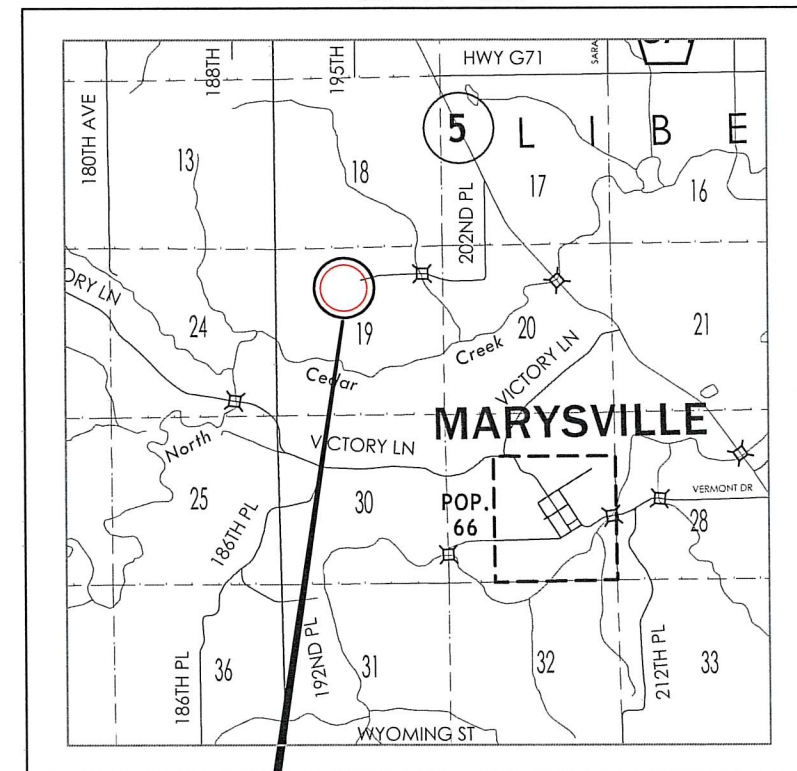
ENGINEER:
SNYDER & ASSOCIATES
2727 SW SNYDER BOULEVARD
P.O. BOX 1159
ANKENY, IOWA 50023
TEL: (515)-964-2020
EMAIL: www.snyder-associates.com

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PROJECT LOCATION

LOCAL VICINITY
SCALE 1" = 3000'



PROJECT LOCATION

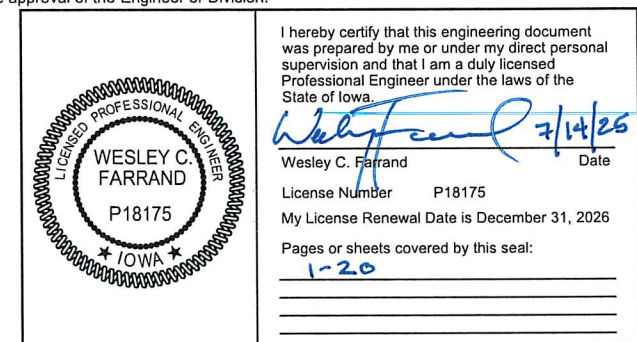
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DISCLAIMER:

Reference to particular products, tradenames, or manufacturers is intended for clarity only and does not represent endorsement by the State of Iowa. Equivalent products or materials may be suitable, subject to the approval of the Engineer or Division.



S & A PROJECT No. 123.1031.01

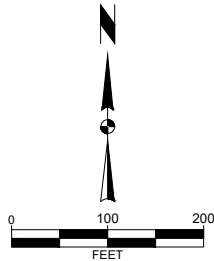
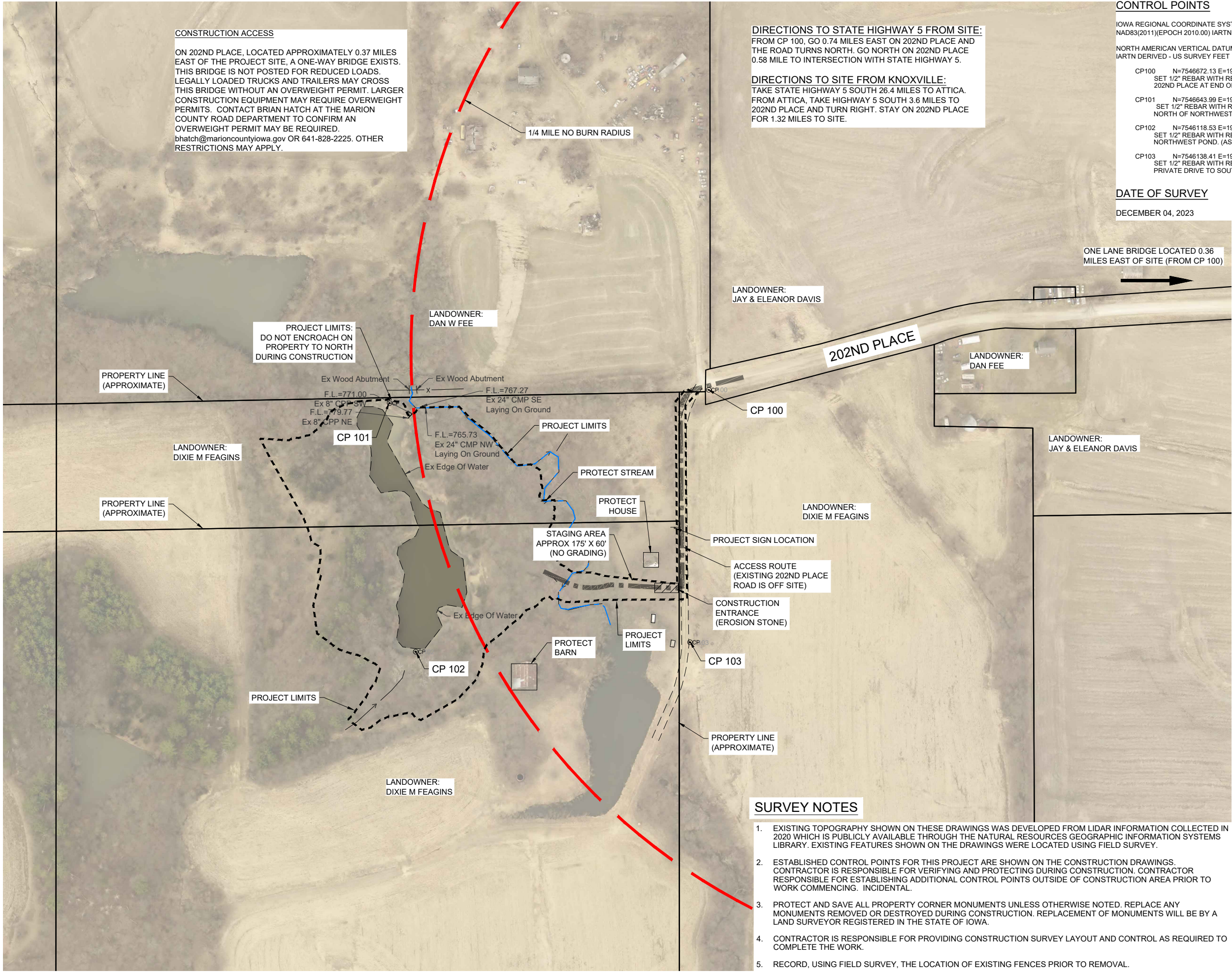


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ISSUED:	REVISED:	CHKD. BY:	DESIGN BY:
07-18-2025			WCF
IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP DIVISION OF SOIL CONSERVATION AND WATER QUALITY HOOVER STATE OFFICE BUILDING 1305 E. WALNUT ST., FIFTH FLOOR, DES MOINES, IA 50319 (515) 281-4246			

LGM	WCF	FEAGINS AML RECLAMATION PROJECT	TITLE SHEET

STATE OF IOWA
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DIVISION OF SOIL CONSERVATION
HOOPER STATE OFFICE BUILDING
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(515) 281-4246



DESIGN BY: WCF	DRAWN BY: LGM	CHKD. BY:	ISSUED: 07-18-2025	REVISED:	FILE:	S & A PROJECT No. 123-1031
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FEAGINS
AML RECLAMATION PROJECT

SITE SITUATION PLAN
AND SURVEY CONTROL

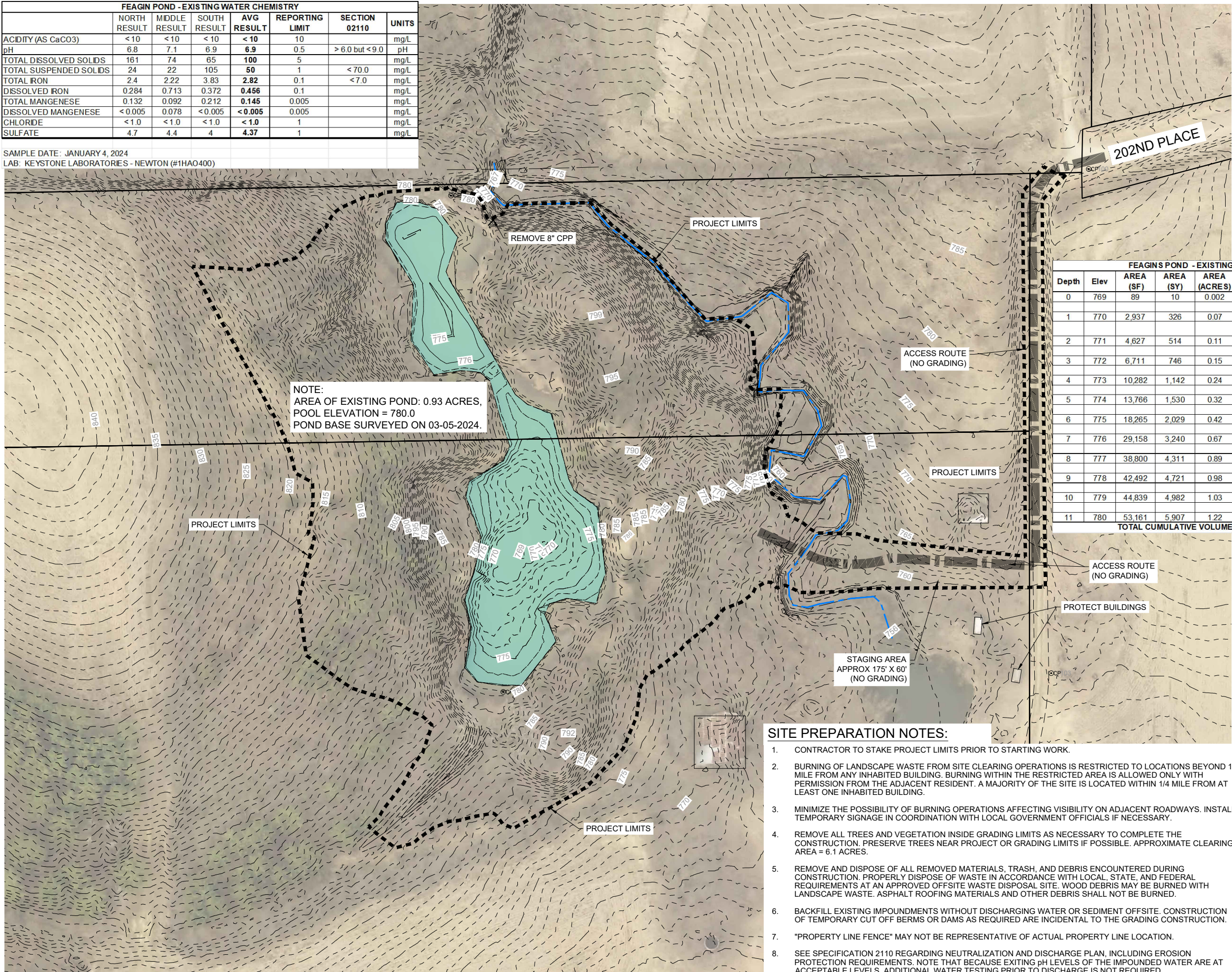
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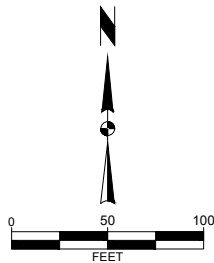
FEAGIN POND - EXISTING WATER CHEMISTRY							
	NORTH RESULT	MIDDLE RESULT	SOUTH RESULT	AVG RESULT	REPORTING LIMIT	SECTION 02110	UNITS
ACIDITY (AS CaCO3)	<10	<10	<10	<10	10		mg/L
pH	6.8	7.1	6.9	6.9	0.5	> 6.0 but < 9.0	pH
TOTAL DISSOLVED SOLIDS	161	74	65	100	5		mg/L
TOTAL SUSPENDED SOLIDS	24	22	105	50	1	< 70.0	mg/L
TOTAL IRON	2.4	2.22	3.83	2.82	0.1	< 7.0	mg/L
DISSOLVED IRON	0.284	0.713	0.372	0.456	0.1		mg/L
TOTAL MANGANESE	0.132	0.092	0.212	0.145	0.005		mg/L
DISSOLVED MANGANESE	<0.005	0.078	<0.005	<0.005	0.005		mg/L
CHLORIDE	<1.0	<1.0	<1.0	<1.0	1		mg/L
SULFATE	4.7	4.4	4	4.37	1		mg/L

SAMPLE DATE: JANUARY 4, 2024
LAB: KEYSTONE LABORATORIES - NEWTON (#1HA0400)



SITE PREPARATION NOTES:

- CONTRACTOR TO STAKE PROJECT LIMITS PRIOR TO STARTING WORK.
- BURNING OF LANDSCAPE WASTE FROM SITE CLEARING OPERATIONS IS RESTRICTED TO LOCATIONS BEYOND 1/4 MILE FROM ANY INHABITED BUILDING. BURNING WITHIN THE RESTRICTED AREA IS ALLOWED ONLY WITH PERMISSION FROM THE ADJACENT RESIDENT. A MAJORITY OF THE SITE IS LOCATED WITHIN 1/4 MILE FROM AT LEAST ONE INHABITED BUILDING.
- MINIMIZE THE POSSIBILITY OF BURNING OPERATIONS AFFECTING VISIBILITY ON ADJACENT ROADWAYS. INSTALL TEMPORARY SIGNAGE IN COORDINATION WITH LOCAL GOVERNMENT OFFICIALS IF NECESSARY.
- REMOVE ALL TREES AND VEGETATION INSIDE GRADING LIMITS AS NECESSARY TO COMPLETE THE CONSTRUCTION. PRESERVE TREES NEAR PROJECT OR GRADING LIMITS IF POSSIBLE. APPROXIMATE CLEARING AREA = 6.1 ACRES.
- REMOVE AND DISPOSE OF ALL REMOVED MATERIALS, TRASH, AND DEBRIS ENCOUNTERED DURING CONSTRUCTION. PROPERLY DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS AT AN APPROVED OFFSITE WASTE DISPOSAL SITE. WOOD DEBRIS MAY BE BURNED WITH LANDSCAPE WASTE. ASPHALT ROOFING MATERIALS AND OTHER DEBRIS SHALL NOT BE BURNED.
- BACKFILL EXISTING IMPOUNDMENTS WITHOUT DISCHARGING WATER OR SEDIMENT OFFSITE. CONSTRUCTION OF TEMPORARY CUT OFF BERMS OR DAMS AS REQUIRED ARE INCIDENTAL TO THE GRADING CONSTRUCTION.
- "PROPERTY LINE FENCE" MAY NOT BE REPRESENTATIVE OF ACTUAL PROPERTY LINE LOCATION.
- SEE SPECIFICATION 2110 REGARDING NEUTRALIZATION AND DISCHARGE PLAN, INCLUDING EROSION PROTECTION REQUIREMENTS. NOTE THAT BECAUSE EXITING pH LEVELS OF THE IMPOUNDED WATER ARE AT ACCEPTABLE LEVELS, ADDITIONAL WATER TESTING PRIOR TO DISCHARGE IS NOT REQUIRED.



DESIGN BY: WCF

DRAWN BY: LGM

CHKD. BY:

ISSUED: 07-18-2025

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FILE: S & A PROJECT No. 123.1031

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DESCRIPTION:

FEAGINS
AML RECLAMATION PROJECT

EXISTING SITE AND SITE
PREPARATION PLAN

SHEET
4 OF 20

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