OELWEIN FAYETTE COUNTY

SEGMENT 2 TRAIL **IMPROVEMENTS**

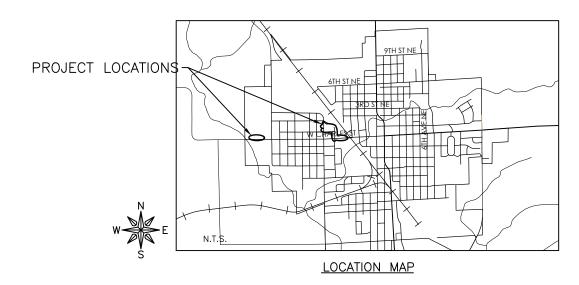
FOR

CITY OF OELWEIN OELWEIN, IOWA

21-1205

FAYETTE COUNTY

MAY 2025



OWNER/DEV CITY OF OELWEIN ADDRESS 20 2ND AVE SW OELWEIN, IA 50662 P# 319-283-5440

INDEX OF SHEETS

SHEET TITLE

TITLE

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WESTERLY TRAIL EXISTING CONDITIONS & REMOVALS -EASTERLY TRAIL

EXISTING CONDITIONS & REMOVALS

EASTERLY TRAIL EXISTING CONDITIONS & REMOVALS

EASTERLY TRAIL

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CITY ADMINISTRATION

MAYOR	BRETT DEVORE
COUNCIL MEMBERS	RENEE CANTRELL
	DAVE LENZ
•	LYNDA PAYNE
	ANTHONY RICCHIO
	KAREN SEEDERS
	MATT WEBER
CITY ADMINISTRATOR	DYLAN MULFINGER
CITY CLERK	BARBARA RIGDON

UTILITIES

UTILITY TYPE	COMMON NAME
WATER & SEWER	OELWEIN, CITY OF
ELECTRIC	ALLIANT
TELEPHONE	CENTURY LINK
GAS	ALLIANT
CABLE	MEDIACOM

(CONTRACTOR TO BE RESPONSIBLE FOR ANY

ADJUSTMENTS TO BE MADE.)

FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

ILLINOIS

IOWA

WISCONSIN

WEST UNION, IOWA 128 S VINE STREET WEST UNION, IA 52175 P# (563) 422-5131



THE 2025 VERSION OF THE URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, ALSO KNOWN AS SUDAS (2025), PLUS FEHR GRAHAM SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS SHALL APPLY TO CONSTRUCTION WORK ON THIS PROJECT.

BID SET



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

05/07/2025

DATE CREATED: MAY 202

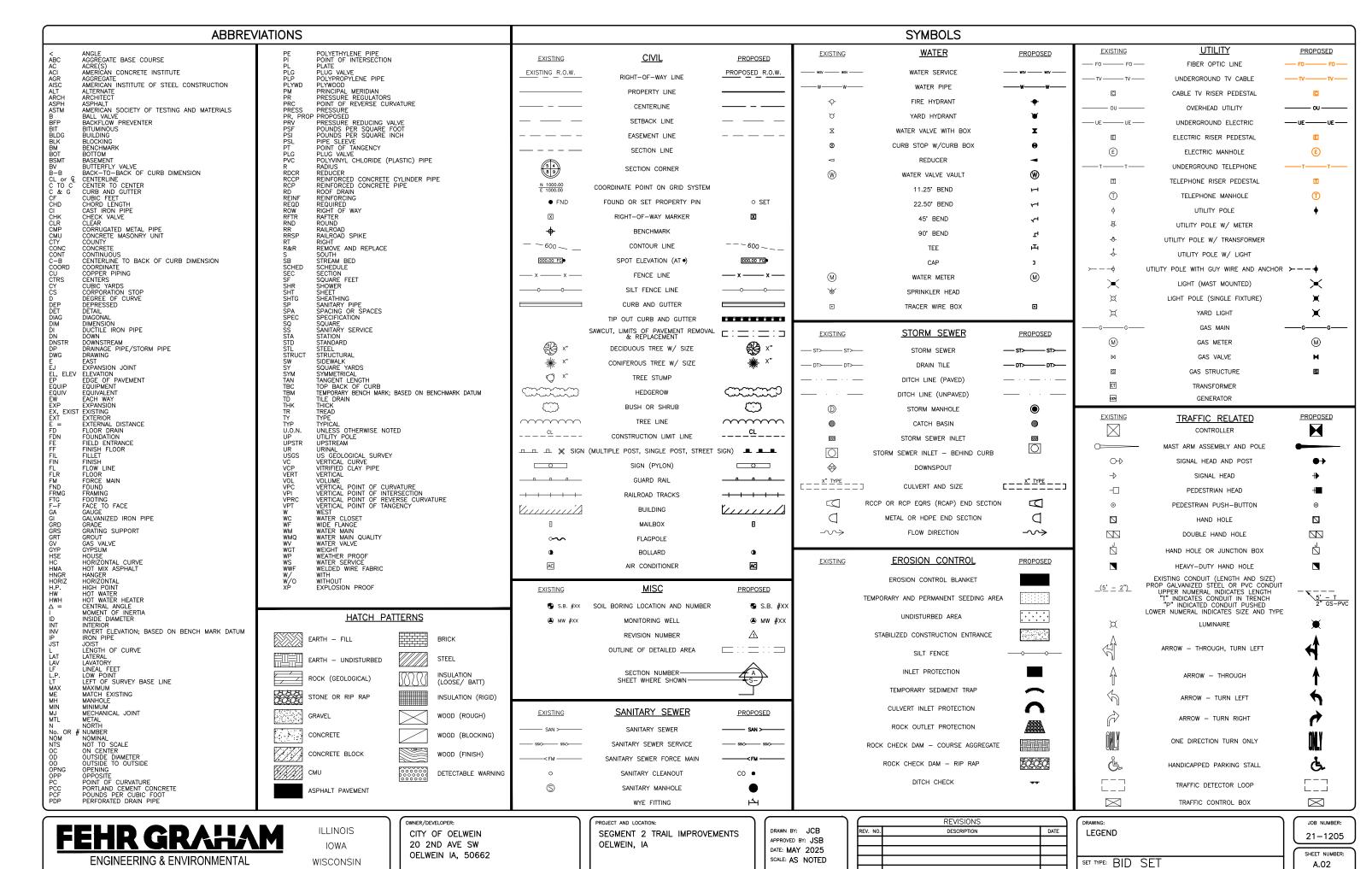
Jon S. Biederman, P.E. License Number 13868

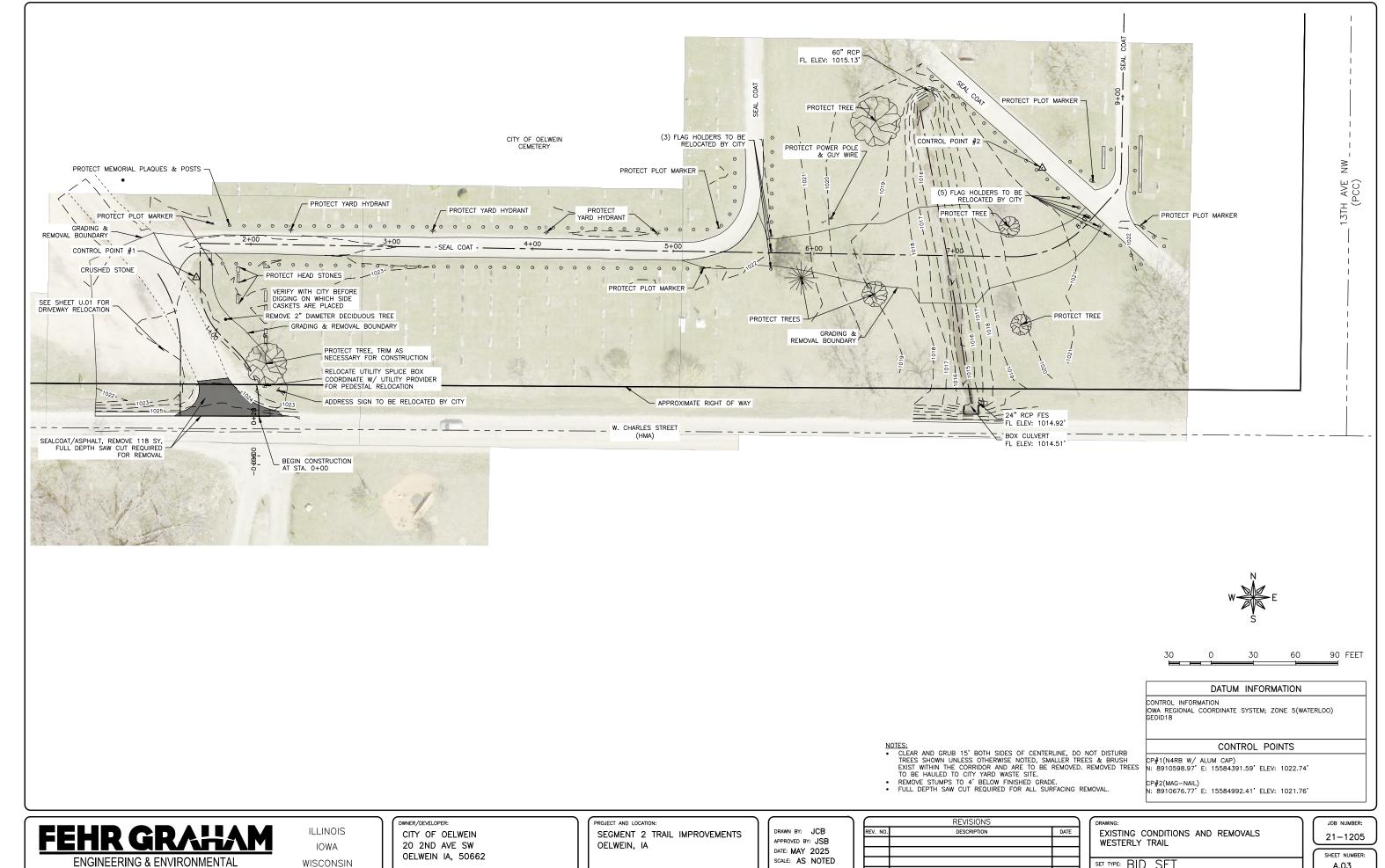
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www.iowaonecall.com

DESCRIPTION





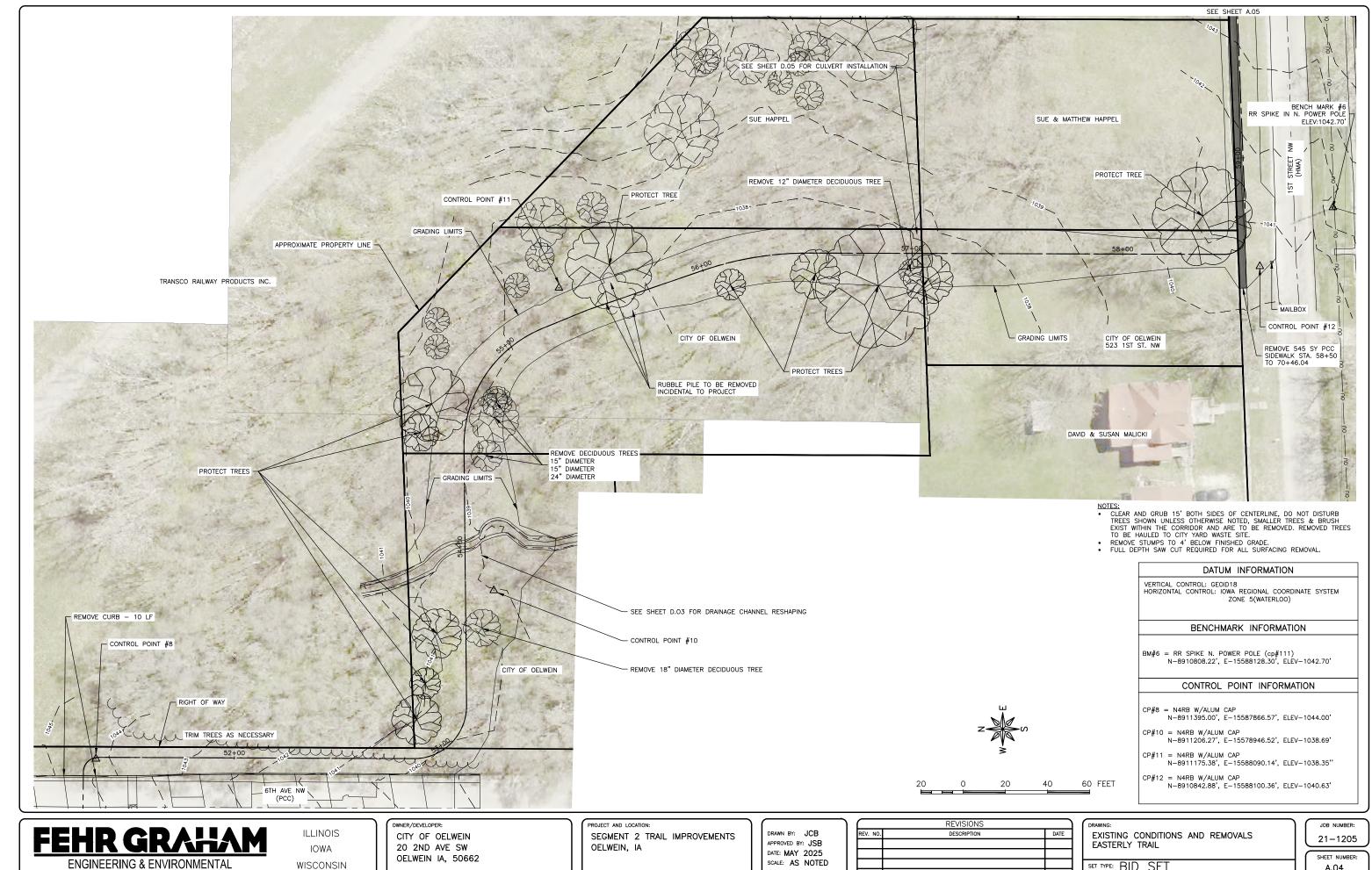
PLOT DATE: 5/7/25 © 2025 FEHR GRAHAM

SCALE: AS NOTED

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PLOT DATE: 5/7/25 © 2025 FEHR GRAHAM

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ILLINOIS IOWA WISCONSIN

CITY OF OELWEIN 20 2ND AVE SW OELWEIN IA, 50662 PROJECT AND LOCATION:
SEGMENT 2 TRAIL IMPROVEMENTS
OELWEIN, IA

DRAWN BY: JCB
APPROVED BY: JSB
DATE: MAY 2025
SCALE: AS NOTED

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REV. NO.	DESCRIPTION	DATE

EXISTING CONDITIONS AND REMOVALS
EASTERLY TRAIL

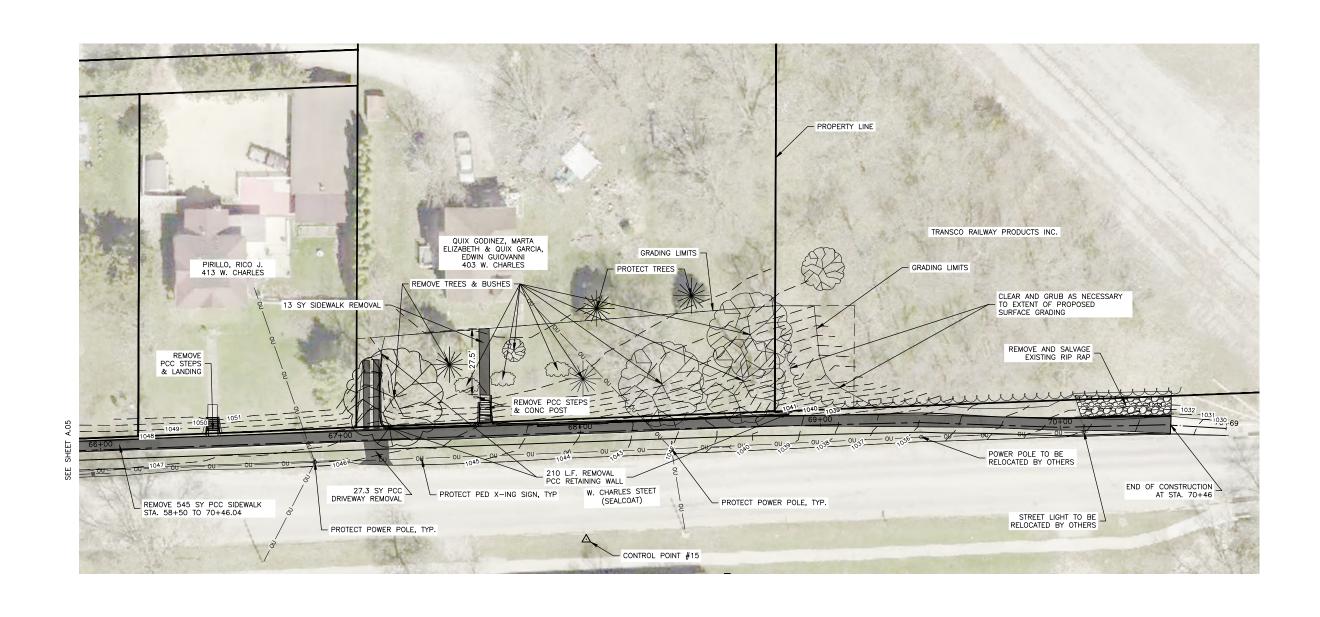
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21-1205

SHEET NUMBER:

A.05





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DATUM INFORMATION

VERTICAL CONTROL: GEOID18 HORIZONTAL CONTROL: IOWA REGIONAL COORDINATE SYSTEM ZONE 5(WATERLOO)

CONTROL POINT INFORMATION

CP#15 = N4RB W/ALUM CAP N-8910468.73', E-15588694.46', ELEV-1043.82'

- NOTES:

 REMOVE STUMPS TO 4' BELOW FINISHED GRADE.

 FULL DEPTH SAW CUT REQUIRED FOR ALL SURFACING REMOVAL.

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60 FEET

EXISTING CONDITIONS AND REMOVALS EASTERLY TRAIL

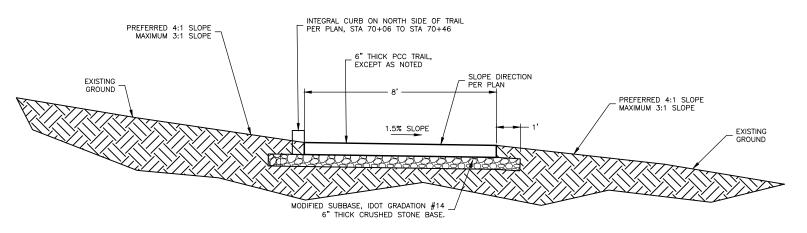
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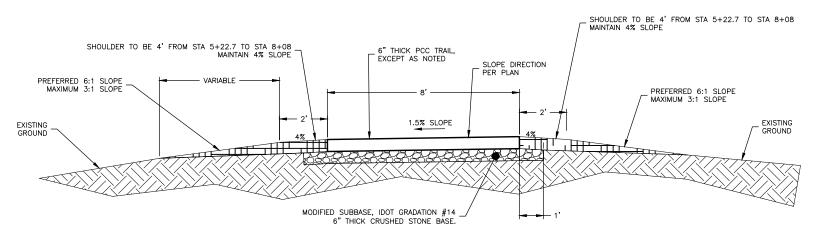
FEHR GRAHAM **ENGINEERING & ENVIRONMENTAL**

ILLINOIS IOWA WISCONSIN OWNER/DEVELOPER: CITY OF OELWEIN 20 2ND AVE SW OELWEIN IA, 50662 PROJECT AND LOCATION: SEGMENT 2 TRAIL IMPROVEMENTS OELWEIN, IA

DRAWN BY: JCB APPROVED BY: JSB DATE: MAY 2025 SCALE: AS NOTED



TYPICAL TRAIL CROSS SECTION
WITHOUT SHOULDER
N.T.S.



TYPICAL TRAIL CROSS SECTION
WITH SHOULDER
N.T.S.



ILLINOIS IOWA WISCONSIN OWNER/DEVELOPER:

CITY OF OELWEIN
20 2ND AVE SW

OELWEIN IA 50662

PROJECT AND LOCATION:
SEGMENT 2 TRAIL IMPROVEMENTS
OELWEIN, IOWA

DRAWN BY: JCB
APPROVED BY: JSB
DATE: MAY 2025
SCALE: AS NOTED

	REVISIONS	`
REV. NO.	DESCRIPTION	DATE
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DRAWING:
TYPICAL CROSS SECTIONS

JOB NUMBER: 21-1205

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GENERAL NOTES

- 1. All work shall conform to and be performed in accordance with all applicable codes and ordinances.
- 2. The Urban Standard Specifications for Public Improvements (SUDAS), 2025 edition plus Supplemental Specifications and Special Provisions as prepared by Fehr Graham shall be considered a part of these documents as if bound herein.
- 5. The quantities indicated on the proposal form are approximate only, and do not constitute a warranty or guarantee by the Jurisdiction as to the actual quantities involved in the work. Such quantities are to be used for the purpose of comparison of bids and determining the amount of bid security, contract, and performance, payment, and maintenance bond. In the event of discrepancies between unit prices and unit price extensions Islated in a bidder's proposal, unit prices shall govern and unit price extensions shall be corrected, as necessary, for agreement with unit prices. The Jurisdiction expressly reserves the right to increase or decrease the quantities during construction, and to make reasonable changes in design, provided such changes do not materially change the intent of the contract. The amount of work to be paid for shall be based upon the actual quantities performed.
- 4. Construction Survey for this project to be provided by the OWNER.
- The CONTRACTOR shall notify all appropriate engineering departments and utility companies prior to construction. All necessary precautions shall be taken to avoid damage to any existing utility. lowa Code 480, Underground Facilities Information, requires notice to lowa One Call (1-800-292-8989) not less than 48 hours before excavation, excluding weekends and legal holidays.
- 6. The location of existing underground utilities and rock elevations are shown in an approximate way only and have not been independently verified by the OWNER or its representative. The CONTRACTOR shall determine the exact location of all existing utilities and rock elevations before commencing work, and agrees to be fully responsible for any and all damages which might be occasioned by the CONTRACTOR'S failure to locate and preserve any and all underground utilities and rock elevations.
- 7. The CONTRACTOR shall visit the site and inspect the project area and become thoroughly familiar with the actual job conditions prior to bidding and the start of any work. Failure to visit the site shall not relieve the CONTRACTOR from performing the work in accordance with these drawings.
- 8. The CONTRACTOR shall verify at the site, all dimensions and conditions shown on the drawings, and shall notify the ENGINEER of any discrepancies, omissions, and/or conflict prior to proceeding with the work.
- The CONTRACTOR shall not scale drawings. Dimensions shall govern. Large scale drawings shall govern over small scale drawings. Notes and details on the drawings shall apply to all similar conditions whether they are repeated or not.
- 10. The CONTRACTOR shall be responsible for any damage to existing facilities outside the construction limits resulting from negligence.
- 11. CONTRACTOR shall protect existing facilities, buildings, and other appurtenances not to be removed from the site during the construction activities.
- 12. CONTRACTOR shall confine his work to the construction limits and easements. If the CONTRACTOR obtains additional easement for the storage of equipment and materials, copies of the agreements with the property Owners shall be provided to the OWNER.
- 13. CONTRACTOR shall submit a detailed construction schedule and staging plan a minimum of two (2) days prior to the preconstruction meeting.
- 14. CONTRACTOR shall be responsible to maintain access to individual properties during construction whenever practical. CONTRACTOR shall notify residents of access restrictions minimum of 24 hours prior to removal of existing access.
- 15. CONTRACTOR shall submit for acceptance work plans and schedules for accomplishment of temporary and permanent erosion control prior to the start of construction.
- 16. CONTRACTOR shall coordinate temporary disruption of utility services with the City of Oelwein, affected utility companies and/or affected property owners when relocating existing facilities, connecting to existing facilities and placing new services.

ESTIMATED QUANTITIES

NO.	CODE	DESCRIPTION	QUANTITY	UNIT
1	2010-C	CLEARING AND GRUBBING	1	LS
2	2010-E	EXCAVATION, CLASS 10	2,400	CY
3	2010-G	SUBGRADE PREPARATION	2,838	SY
4	2010-H	GRANULAR STABILIZATION	200	TON
5	2010-J	SUBBASE, MODIFIED, 6" THICK	2,838	SY
6	2010-K-1	REMOVAL OF STRUCTURE, PCC STAIRS	2	EA
7	4030-A-1	PIPE CULVERT, TRENCHED, RCP, 12" DIA.	16	LF
8	4030-A-1	PIPE CULVERT, TRENCHED, RC ARCH, 51"X31" DIA.	32	LF
9	4030-B	PIPE APRON, RCP, 12" DIA.	2	EA
10	4030-B	PIPE APRON, RC ARCH, 51"X31"	2	EA
11	4030-C	FOOTING FOR CONCRETE PIPE APRON, RCP, 51"X31"	2	EA
12	5020-999-A	FIRE HYDRANT RELOCATION	1	EA
13	7030-A-1	REMOVAL OF SIDEWALK	560	SY
14	7030-A-3	REMOVAL OF DRIVEWAY, PCC	28	SY
15	7030-A-3	REMOVAL OF CURB	10	LF
16	7030-C	SHARED USE PATH, PCC, 6" THICK. 8' WIDE	1,917	SY
17	7030-C	SHARED USE PATH, PCC, 6" THICK REINFORCED. 8' WIDE	28	SY
18	7030-E	SIDEWALK, PCC, 5" THICK.	27	SY
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19	7030-G	DETECTABLE WARNING DRIVEWAY, PAVED, PCC, 6" THICK REINFORCED	122	SF
20	7030-H-1		117	SY
21	7030-H-1	DRIVEWAY, PAVED, PCC, 8" THICK	225	SY
22	7030-H-3	DRIVEWAY, CLASS A ROAD STONE, 12" THICK	100	TON
23	7030-999-A	REMOVAL & SALVAGE OF DRIVEWAY, CLASS A CRUSHED STONE	340	SY
24	7040-A	FULL DEPTH PATCHES, PCC	16	SY
25	7040-999-A	POURED CONCRETE WALL REMOVAL	1	LS
26	8030-A	TEMPORARY TRAFFIC CONTROL	1	LS
27	8040-A	TRAFFIC SIGNS AND POSTS, TRAIL, FURNISH AND INSTALL	30	EA
28	8040-I	REMOVE AND REINSTALL TRAFFIC SIGNS	2	EA
29	9010-A	CONVENTIONAL SEEDING, FERTILIZING, AND MULCHING (TYPE 1 PERMANENT LAWN MIX)	1.2	AC
30	9010-A	CONVENTIONAL SEEDING, FERTILIZING, AND MULCHING (TYPE 4 URBAN TEMPORARY EROSION CONTROL MIXTURE)	1.2	AC
31	9040-E	TEMPORARY RECP, (TYPE) 2C	885	SY
32	9040-J	RIP RAP, CLASS E	500	TON
33	9040-F-1	WATTLE, INSTALLATION	110	LF
34	9040-F-1	WATTLE, REMOVAL	110	LF
35	9040-N-1	SILT FENCE OR SILT FENCE DITCH CHECK	890	LF
36	9040-N-2	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF SEDIMENT	890	LF
37	9040-N-3	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF DEVICE	890	LF
38	9040-0-2	TRACK-OUT CONTROL	50	TON
39	9040-T-1	INLET PROTECTION DEVICE, WATTLES	1	EA
40	9040-T-2	INLET PROTECTION DEVICE, MAINTENANCE AND REMOVAL	1	EA
41	9080-A	CONCRETE STEPS, TYPE B	29.2	SF
42	9080-В	HANDRAIL	11.0	LF
43	9999-A	BOLLARD, 6" DIA. STEEL, REMOVABLE	2	EA
44	11,020-A	MOBILIZATION	1	LS
45	2429-0000100	PRE-ENGINEERED STEEL TRUSS TRAIL BRIDGE WITH EXPRESS ABUTMENTS	1	EA

POINT DESCRIPTION STATION OFFS 1 STOP SIGN, R1-1 0+33.8 -7.0 2 TRAIL CROSSING, W11-15, W11-15P, W16-7P 0+33.8 9.4 3 NO MOTORIZED VEHICLES, R5-3 0+42.7 7.0 4 STOP AHEAD, W3-1 0+81.3 -7.0 5 STOP AHEAD, W3-1 1+04.5 7.0 6 TRAIL CROSSING, W11-15, W11-15P, W16-7P 1+50.4 -8.6 7 STOP SIGN, R1-1 1+51.9 7.0 8 STOP SIGN, R1-1 1+51.9 7.0 9 STREET ADDRESS SIGN RELOCATE 0+98.9 -67.6 10 NO MOTORIZED VEHICLES, R5-3 5+49.7 7.0 11 STOP SIGN, R1-1 5+63.7 -7.0 12 STOP AHEAD, W3-1 6+09.7 -7.0 13 STOP AHEAD, W3-1 7+30.3 7.0 14 NO MOTORIZED VEHICLES, R5-3 7+82.8 -7.0 15 STOP SIGN, R1-1 8+03.0 7.0 16 TRAIL CROSSING, W11-15, W11-15	SIGNAGE TABLE		
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32 TRAIL CROSSING, W11-15, W11-15P, W16-7P 0+36.1 154.0	RT		

SIGNAGE TABLE



ILLINOIS IOWA WISCONSIN OWNER/DEVELOPER:

CITY OF OELWEIN

20 2ND AVE SW

OELWEIN IA 50662

SEGMENT 2 TRAIL IMPROVEMENTS OELWEIN, IOWA

DRAWN BY: JGK
APPROVED BY: JSB
DATE: MAY 2022
SCALE: AS NOTED

$\overline{}$	REVISIONS	
REV. NO.	V. NO. DESCRIPTION	DATE

ESTIMATED QUANTITIES AND GENERAL NOTES

SET TYPE: BID SET
G:\C30\21\21-1205 Delwein Troil Ph. 2\Plans\21-1205 PIANS.dwa. C.01

21-1205

DIVISION 1 - GENERAL PROVISIONS AND COVENANTS

SECTION 1010

1.03 - DEFINITIONS AND TERMS
JURISDICTION: The Jurisdiction is the City of Oelwein. Any reference to either shall be considered one in the same. SECTION 1020

1 14 - OPENING OF PROPOSALS

Only bid totals will be made publicly available at and immediately after the bid opening. An itemized bid tabulation will be made publicly available for interested parties after the project has been awarded by the Owner. SECTION 1030

A. The Jurisdiction shall retain the bid security of the lowest three bidders. The bid securities of the three lowest bidders will be released after the Jurisdiction's approval of the contract executed by the lowest responsive,

.05 - PLANS

SUDAS Standard Specifications apply. In addition to section 1040—1.05 the following apply. A. Contractor's bids shall be based on the final Plans and any addendum received. B. CAD files or electronic surface information will be available for bidding purposes.

1.06 — INCREASE OR DECREASE OF WORK
 B. Quantity change, regardless of the percentage increase or decrease of the total bid, shall not affect the unit bid price of that item.

1.14-MUNICIPAL TERMINATION FOR CONVENIENCE CLAUSE

1.14—MUNICIPAL TERMINATION FOR CONVENIENCE CLAUSE
The Jurisdiction, by written notice, may terminate this contract, in whole or in part, when it is in the Jurisdiction's interest. If this contract is terminated, the rights, duties, and obligations of the parties, including compensation to the Contractor, shall be as agreed as follows: a reasonable proration compensating contractor for work performed as determined by the Jurisdiction's engineer following the notice and procedure outlined herein: After receipt of a Notice of Termination, and except as otherwise directed by the Jurisdiction, the Contractor shall immediately proceed with the following obligations, regardless of any delay in determining or adjusting any amounts due under this clause:

A. Stop work as specified in the notice.

B. Place no further subcontracts or orders (referred to as subcontracts in this clause) for materials, services, or facilities, except as necessary to complete the continued portion of the contract.

C. Terminate all subcontracts to the extent they relate to the work terminated.

D. Assign to the Jurisdiction, all right, title, and interest of the Contractor under the subcontracts terminated, in which

case the Government shall have the right to settle or to pay any termination settlement proposal arising out of

E. With approval or ratification to the extent required by the Jurisdiction, settle all outstanding liabilities and termination settlement proposals arising from the termination of subcontracts; the approval or ratification will be final for

1. The fabricated or unfabricated parts, work in process, completed work, supplies, and other material produced or acquired for the work terminated;

2. The completed or partially completed plans, drawings, information, and other property that, if the contract been completed, would be required to be furnished to the Government.

G. Complete performance of the work not terminated.

H. Take any action that may be necessary, or that the Jurisdiction may direct, for the protection and preservation of the property related to this contract that is in the possession of the Contractor and in which the Jurisdiction has or

Use its best efforts to sell, as directed or authorized by the Jurisdiction, any property of the types referred to in this termination for convenience clause; provided, however, that the Contractor

1. is not required to extend credit to any purchaser

2. may acquire the property under the conditions prescribed by, and at prices approved by, the Jurisdiction. The proceeds of any transfer or disposition will be applied to reduce any payments to be made by the Government under this contract, credited to the price or cost of the work, or paid in any other manner directed by the Jurisdiction.

J. The Contractor shall submit complete termination inventory schedules no later than 120 days from the effective date of termination, unless extended in writing by the Jurisdiction upon written request of the Contractor within this

of termination, unless extended in writing by the Jurisdiction upon written request of the Contractor within this 120-day period.

K. After termination, the Contractor shall submit a final termination settlement proposal to the Jurisdiction. The Contractor shall submit the proposal promptly, but no later than 1 year from the effective date of termination, unless extended in writing by the Jurisdiction upon written request of the Contractor within this 1-year period. However, if the Jurisdiction determines that the facts justify it, a termination settlement proposal may be received and acted on after 1 year or any extension. If the Contractor fails to submit the proposal within the time allowed, the Jurisdiction Officer may determine, on the basis of information available, the amount, if any, due the Contractor because of the termination and shall pay the amount determined.

L. After receipt of the final termination proposal, the proposal will be reviewed by the Jurisdiction's engineer, and a final determination recommendation by the engineer shall be final and agreed to settlement.

L. After receipt of the final termination proposal, the proposal will be reviewed by the Jurisdiction's engineer, and a final determination recommendation by the engineer shall be final and agreed to settlement.

M. If the termination is partial, the Contractor may file a proposal with the Jurisdiction for an equitable adjustment of the price(s) of the continued portion of the contract. The Jurisdiction shall make any equitable adjustment agreed upon. Any proposal by the Contractor for an equitable adjustment under this clause shall be requested within 90 days from the effective date of termination unless extended in writing by the Jurisdiction.

SECTION 1050

.03 - COOPERATION BY THE CONTRACTOR - SPECIAL ATTENTION TO THIS SECTION IS REQUESTED OF ALL BIDDING

.10 - LINE AND GRADE STAKES

A. The Contractor is required to provide minimum of two business days' notice to the Engineer when requesting stakes.

A. Contractor shall salvage all metal items for the Jurisdiction. Any excess soil material shall be taken to the city.

A. Contractor shall salvage all metal items for the Jurisdiction. Any excess soil material shall be taken to the city. storage area located in the southwest corner of Woodlawn Cemetery (just west of the cemetery portion of the trail).

SECTION 1060

1.04 - STORAGE OF MATERIALS

City storage area located in the southwest corner of Woodlawn Cemetery may be used as a staging area for storage of equipment and materials for this project. Contractor shall return area to a condition similar to that prior to construction. This includes, but is not limited to: smoothing any ruts, removing all trosh and debris, and reseeding any grassed areas that are disturbed. No payment will be made for work or materials required to return staging area preconstruction condition.

SECTION 1070
2.02 — CONVENIENCE AND SAFETY — SPECIAL ATTENTION TO THIS SECTION IS REQUESTED OF ALL BIDDING CONTRACTORS
C. Work shall be completed in a manner that will cause the least inconvenience and annoyance to the public and property owners abutting the work area and shall provide access to the abutting property to the greatest extent practicable. Contractor shall notify property owners a minimum of 48 hours in advance when access will be restricted to their properties.

2.05 - EXPLOSIVES A. Use: Due to the risk of collateral damage, blasting will not be allowed for this project as part of rock removal

A. 3. Traffic Control shall be paid for by lump sum as specified in section 8030 and shall include any and all traffic control used on the Project as outlined in section 8030, including but not limited to flaggers, pilot cars, signs, barricades, safety closures, etc., if necessary. The Contractor shall take full responsibility for Traffic Control and hold both the Jurisdiction and the Jurisdictional Engineer harmless. - BORROW AND WASTE SITES

A. Contractor shall secure and operate, at its own expense, sites for disposal of class 12 rock excavation, structures surfacing materials, rubbish and debris.

3.01 — PERFORMANCE, PAYMENT, AND MAINTENANCE BOND

B. Products and Completed Operations shall be maintained for the duration of the work; and shall be further maintained for a minimum period of two (2) years after final acceptance and payment.

3.02 - INSURANCE REQUIREMENTS C. 2. j. Not Applicable.

6. Additional Insured Endorsements -

c. See Section 1070, Part 3.06 for information on all required endorsements which include naming of the Jurisdiction as an additional insured, cancellation and material change endorsement, and Nonwaiver of Governmental

3.05 - PROPERTY INSURANCE - NOT APPLICABLE

SECTION 1080
1.01 - SUBLETTING OR ASSIGNMENT OF CONTRACT

A. The percentage of work to be completed by the contractor is waived on this project due to the types of work

required.

1.02 — CONTRACT TIME

A. 3. Contractor shall fully complete the project by December 5, 2025, with seeding completed by May 15, 2026.
SECTION 1090

D. Partial pay estimates shall be submitted by the Contractor to the Engineer by the Thursday following the last Saturday of the month for work completed through the last Saturday of the month.

SECTION 2010

A. The Jurisdictional Engineer hereby requests that all materials to be incorporated into the work have certifications furnished which show that the materials comply with Specifications prior to any construction. 1.08 - MEASUREMENT AND PAYMENT

1.08 — MEASUREMENI AND PAYMENI
D.1. Existing topsoil shall be stripped and salvaged with the Class 10 Excavation, no separate payment will be made for topsoil. Topsoil shall not be incorporated into trail subgrade, but may be utilized as fill material outside of the trail and structural footprint. Contractor is to salvage all topsoil for replacement. Adequate topsoil exists currently. No separate payment will be made for importing topsoil if topsoil was exported or wasted.
E. 1. Estimates of Earthwork for the Project (30% shrinkage factor included) are as follows: Topsoil Strip — 994 CY; Topsoil Replace — 696 CY; Fill Material — 1484 CY; Cut Material — 1406 CY; Total Excavation — 2400 CY; Balance 220 CY Cut (Excess). Cut volume is calculated to top of proposed subgrade (bottom of crushed stone base).
 Excess material is to salvaged for the Owner and stockpiled at the southwest corner of the cemetery as directed by

e. No additional payment will be made for hauling of salvaged excavated material, as noted in Section 1050, 1.12, as it shall be incidental to Class 10 Excavation.

3. g. Contractor to complete proof rolling as required in Part 3.06, B. No additional payment will be made for proof rolling, as it shall be incidental to the Excavation bid item.

. 3. Includes providing and placing water required to bring subgrade moisture content to within the required limits. 14 — D. 3. Use Modified Subbase for this project.

3.01 - CLEARING AND GRUBBING

C. 1. Trees and stumps, including roots to a depth of at least 48 inches below existing ground within 4' of the trail

3.04 - EMBANKMENT CONSTRUCTION

E. Type A Compaction required for all embankment construction and subgrade preparation. 3.06 — SUBGRADE PREPARATION

A. A disk of the size indicated in Section 2010, Part 3.04, C. 4 shall be used to turn and mix all soils in cut or fill sections. Type A Compaction required for all subgrade preparation.

SECTION 3010
1.03 - SUBMITTALS
B. Results of Standard Proctor and In-Place Density tests will not be required.
1.08 - MEASUREMENT AND PAYMENT

F. No payment shall be made for trench compaction testing, when required. Jurisdictional Engineer or Jurisdiction to require compaction testing only if backfill operations are deemed inappropriate or proof rolling over trenches indicates

3.05 - PIPE BEDDING AND BACKFILL

Pipe Embedment Requirements for Rigid Gravity Pipe: RCP: Class R-1

RCAP and RCEP: Class R-5

Pipe Embedment Requirements for Flexible Gravity Pipe:
DIP: Class F-1
PVC Truss Pipe and DR18: Class F-2

CMP, HDPE Single & Dual Wall, PVC Gravity Pipe (SDR 23.5, 26, 35): Class F-3 Pipe Embedment Requirements for Pressure Pipe:

DIP: Class P-1

DIP: Class P-1 PVC DR18: Class P-3 3.07 - DRAINAGE TILE REPAIR

Contractor shall repair any drainage tile damaged by trenching operations. Damaged drainage tile shall be repaired Contractor shall repair any drainage tile damaged by trenching operations. Damaged drainage tile shall be repaired with Schedule 40 PVC of the same nominal interior diameter as the existing drainage tile. A minimum 2' length of pipe on each side of the trench shall be placed on undisturbed ground. PVC repair section shall be abutted to existing tile ends with 1/8" maximum joint spacing and joint wrapped with engineering fabric. Trench backfill below tile repair shall be compacted to 95% standard proctor density. Granular pipe envelope will not be required for tile repair. Drainage tiles shall be replaced so that the former gradient and alignment is restored. Contractor shall furnish all materials. Drainage tile repair shall be incidental for all tile repairs with tile crossing trench perpendicular plus or minus 70 degrees to the trench unless otherwise indicated in the Plans or Contract Documents. Repair of tile crossings within 20 degrees of parallel to the trench shall have a separate payment item. crossings within 20 degrees of parallel to the trench shall have a separate payment item.

DIVISION 4 - SEWERS AND DRAINS

A. The Jurisdictional Engineer hereby requests that all materials to be incorporated into the work have certifications furnished which show that the materials comply with Specifications prior to any construction.

1.08 — MEASUREMENT AND PAYMENT

A. 1. c. Includes tie hardware and tying all pipe and end section joints for all culverts.

D. Pipe apron guards are not required for this project.

2.01 - PIPE CULVERTS

A. 2. All culverts shall be reinforced concrete

DIVISION 5 - WATER MAINS AND APPURTENANCES

1.08 - MEASUREMENT AND PAYMENT

MEASUREMENT AND PAYMENT 99—A. Fire Hydrant Relocation 1. Measurement: Lump sum item; no measurement will be made. 2. Payment: Payment will be made at the contract lump sum price. 3. Includes: Lump Sum price includes, but is not limited to all excavation, labor, equipment, and materials required to shut down water, disconnect existing hydrant, salvage gate valve and hydrant in good condition for relocation, plug tee, place and compact backfill, cut in new hydrant tee (with solid repair sleeves), provide new hydrant lead if necessary, install assembly, provide and place thrust blocks, place and compact backfill. Street repair is a separate hid item.

DIVISION 7 - STREETS & RELATED WORK

SECTION 7010 1.03 - SUBMITTALS

All submittals listed in the standard specifications shall be provided.

D. Certified plant inspection by the Contractor is NOT required on this project.

Standard lowa DOT plant report forms shall be completed by the Contractor/Supplier and submitted to the Jurisdictional Engineer weekly. lowa DOT Standard form 830212 for ready mix concrete (load tickets) shall be completed for each load for collection at the grade.

1.08 - MEASUREMENT AND PAYMENT

1. 1. Contractor will not be required to perform Plastic Concrete testing. Air, Slump, Cylinders, and/or Beams to be completed by the Jurisdictional Engineer. Contractor shall provide materials for these tests.
 2. Jurisdictional Engineer reserves the right to require thickness cores if paving operations or edge thickness indicate a thickness deficiency. If cores not required, this bid item will be deleted.

2.01 – MATERIALS

D. 1. Class 3 durability ONLY for this project.

2.02 - MIX DESIGN

A.1. Minimum compressive strength shall be 4,500 psi at 28 days. Contractor may use Class M, C-SUD, or CV-SUD mixes, but not additional payment shall be made for these mixes.

SECTION 7030

1.08 - MEASUREMENT AND PAYMENT

H. 1. c. Excavation and subgrade preparation for driveways shall be considered incidental to the driveways. Subgrade preparation for driveways is included under Subgrade Preparation bid item. 6" of Modified Subbase under driveways shall be paid under Subbase bid item. Includes reinforcement where specified. Reinforcement to be #4 coated rebar at 18" both ways.

3. c. Material shall be Class A crushed stone. I. Contractor will not be required to perform Plastic Concrete testing. Air, Slump, Cylinders, and/or Beams to be completed by the Jurisdictional Engineer. Contractor shall provide materials for these tests with no additional

999-A REMOVAL AND SALVAGE OF DRIVEWAY, CLASS A CRUSHED STONE

1. Measurement: Measurement will be made in square yards.
2. Payment: Payment will be made at the unit price per square yard of crushed stone salvaged.
3. Includes: Unit price includes, but is not limited to removal of usable crushed stone, estimated to be 4" thick, stockpile, and placement as base of new 12" thick Class A for expansion of cemetery drive, just east of proposed

bridge.

I — PORTLAND CEMENT CONCRETE MIX

FOO poi at 28 days compre A. Class C, 4,500 psi at 28 days compressive strength required. 2.07 - DETECTABLE WARNINGS

 2.07 — DELECTABLE WARNINGS
 A. Detectable warnings shall be pre-manufactured panels.
 3.01. E. Maximum 0.5" curb to remain adjacent to detectable warning panels.
 3.04 — PCC RECREATIONAL TRAILS, SIDEWALKS, AND DRIVEWAYS
 F. 2. b. 3. All transverse contraction joints shall be sawed. Joints may be sawed within 12 hours of placement with a 1/8 inch blade saw to a depth of 1/3 the povernent thickness. Use a straightedge if joints are sawed with a hand-held saw.

3. b. 2. All longitudinal contraction joints shall be sawed. Joints may be sawed with a 1/8 inch blade to a depth of 1/3 the pavement thickness. Use a straightedge if joints are sawed with a hand-held saw.5. b. Sealing of expansion and isolation joints is required. Trim preformed joint material to a depth of ½ inch below

the concrete surface. Ensure the joint is clean and dry. Install joint sealant per manufacturer's recommendations. SECTION 7040

A. 3. Patches shall be full depth PCC, one inch thicker than existing total pavement thickness

999—A POURED CONCRETE WALL REMOVAL

1. Measurement: Lump sum item; no measurement will be made.

2. Payment: Payment will be made at the contract lump price.

3. Includes: Lump Sum price includes, but is not limited to all excavation, labor, equipment, and materials required to remove and dispose of the concrete retaining wall as indicated on the plans, located at 403 W. Charles

<u>DIVISION 8 - TRAFFIC CONTROL</u> SECTION 8040

1.08 - MEASUREMENT AND PAYMENT
A. 3. Includes providing and placing new breakaway steel sign post

<u>DIVISION 9 - SITE WORK & LANDSCAPING</u> SECTION 9010

1.02 — DESCRIPTION OF WORK
Completed installation shall include preparation of the seedbed, furnishing and installing seed, fertilizer and mulch, maintenance, and guarantee for completed seeded areas.

1.07 — SPECIAL REQUIREMENTS

A. Warranty is required and is incidental to the seeding bid item. No separate bid item is allowed. Warranty is for only permanent seeding within the dates for each variety specified per Section 9010, 2.02.

B. Warranty period is two full years from acceptance.

1.08 — MEASUREMENT AND PAYMENT

A. 1. Seeding for a completed installation shall be measured in acres, of accepted seeding within the contract or easement limits. Seeding item includes supplying and applying proper seed, fertilizer, and mulch. Different payment for method of application will not be allowed. At the Contractor's option, Hydraulic or Pneumatic Seeding may be used, but will not be paid separately

2. Fertilizing shall be incidental to the seeding bid item and will not be paid separately.
3. Mulching shall be incidental to the seeding bid item and will not be paid separately.
5. Warranty for seeding, fertilizing, and mulching is required but is incidental to the seeding bid item. Warranty period shall be for two full years from the date of acceptance. No separate bid item is allowed. All permanent seeding shall be Type 1 (Permanent Lawn Mixture). 3.08 - RE-SEEDING

A. When all work related to seeding on an area has been completed but is washed out or damaged prior to final acceptance of the seeding area, the area shall be reseeded, refertilized, and remulched without additional

3.10 — ACCEPTANCE AND WARRANTY

B. 1. Required but incidental to the seeding bid item and shall not be paid separately.

2. The warranty period is twenty—four months beginning on the date of acceptance.

Install Class E rip rap as shown on Figures 9040.110 and 9040.111. Place rip rap on engineering fabric. Engineering fabric is incidental to rip rap bid item. SECTION 9999

1 08 - MEASUREMENT AND PAYMENT

BOLLARD, 6" DIA. STEEL, REMOVABLE
 Measurement: Each bollard installed will be counted.

Payment: Payment will be at the unit price for each bollard that is installed.
 Includes: Unit price includes, but is not limited to, labor, equipment, and materials necessary to complete the installation of the bollard in accordance with the suppliers recommendation for PCC foundation for base embedment,

including addition PCC for foundation - BOLLARD, 6" DIA, STEEL, REMOVABLE

A. Bollard shall be 6" internal diameter carbon steel, removable with 36" above ground, 12" below ground, dome top, schedule 40, powdercoated yellow. Bollard shall be Source4industries, SKU RPCS6040+ESV60, or approved equal.

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ILLINOIS IOWA

WISCONSIN

CITY OF OELWEIN 20 2ND AVE SW OELWEIN IA 50662

PROJECT AND LOCATION

SEGMENT 2 TRAIL IMPROVEMENTS OELWEIN, IOWA

DRAWN BY: JGK APPROVED BY: JSB DATE: MAY 2022 SCALE: AS NOTED

REVISIONS DATE

SUPPLEMENTAL SPECIFICATIONS SET TYPE: BID SET

21-1205 SHEET NUMBER C.02

IDOT ITEMS SUPPLEMENTAL SPECIFICATIONS

Construction shall be in accordance with the current version of lowa DOT Standard Specifications for Highway and Bridge Construction.

DIVISION 24 - STRUCTURES

SECTION 2429

Additional Requirements:

Bridge shall be 40' span x 8' clear width weathering steel Keystone Continental Truss Bridge (underhung) with 3" x 12" treated wood decking, horizontal tube safety railing, steel toe/rub rail, bearing plates/pads and steel cover plates at the ends of the bridge. Bridge shall be designed for AASHTO LRFD, 90 psf live load, 35 psf wind load, and 10,000 lb. weblicle load.

Supplier contact is: Contech Engineered Solutions LLC, Jake Vogel, ph. 612-352-7944, jake.vogel@conteches.com

Other models or suppliers are not allowed for this project.

Precast Express Abutments, provided by Contech Engineered Solutions LLC, are expected to be of the following dimensions: 6' tall (with additional 1' wall extension on sides and back) x 5' wide x 12.4' long. Contractor is responsible for placing approximately 10.9 CY of 4,000 psi PCC as abutment infill. Sizing will be verified with Contech final design. Coordinate with Contech for other work that may be required. Includes 6"x6"x1/2" steel angle on each abutment for approach support, refer to plan detail.

Construction shall be in accordance with all notes and specifications on the construction plans and shop drawings provided by the bridge supplier. Bridge members are fabricated from high strength, low alloy, enhance atmospheric corrosion resistant ASTM cold—formed welded square and rectangular tubing, and ASTM A588, ASTM A709—50W plate and structural shapes.

Bridge Deck material to be treated Douglas Fir Wood Decking. Minimum material thickness of ¼" on all structural members. All foundation work is included.



ILLINOIS IOWA WISCONSIN OWNER/DEVELOPER:
CITY OF OELWEIN
20 2ND AVE SW
OELWEIN IA 50662

PROJECT AND LOCATION:
SEGMENT 2 TRAIL IMPROVEMENTS
OELWEIN, IOWA

DRAWN BY: JGK
APPROVED BY: JSB
DATE: MAY 2022
SCALE: AS NOTED

	REVISIONS	
REV. NO.	DESCRIPTION	DATE
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DRAWING:
SUPPLEMENTAL SPECIFICATIONS

SET TYPE: BID SET 6:\C30\21\21-1205 Oelwein Troil Ph. 2\Plom\21-1205 PLWS.dwg. C.03 JOB NUMBER:
21-1205

SHEET NUMBER:
C.03

GENERAL INFORMATION

PROJECT LOCATION
THE SITE IS LOCATED ON THE WEST SIDE OF OELWEIN, NORTH OF WEST CHARLES STREET, INCLUDING DRIVES IN THE CEMETERY, AND STREETS INCLUDING PARTS OF 6TH AVENUE NW, 5TH AVENUE NW, AND 1ST STREET

OWNER CITY OF OELWEIN

 $\begin{array}{c} \underline{\text{EXISTING SITE CONDITIONS}} \\ \text{THE SITE CONSISTS OF } \underline{\text{EXISTING RESIDENTIAL STREETS}} \text{ & HOUSING AND} \\ \end{array}$ EXISTING CEMETERY DRIVES.

PROJECT DESCRIPTION & ACTIVITIES
PROJECT CONSISTS OF CONSTRUCTING A NEW 8' WIDE PCC TRAIL. NEW STORM CULVERT AND DRAINAGE IMPROVEMENTS, NEW PEDESTRIAN BRIDGE.

EARTH DISTURBING ACTIVITIES INCLUDE THE FOLLOWING: REGRADING FOR NEW TRAIL ALIGNMENT PROFILE, REGRADING OF DRAINAGE CHANNELS FOR IMPROVEMENT, REGRADING FOR AND INSTALLATION OF STORM IMPROVEMENTS.

PROJECT AREA, SOIL TYPES & RUNOFF COEFFICIENT PROJECT AREA: 1.8 ACRES DISTURBED AREA: 1.8 ACRES

SOIL TYPES: SITE CONSISTS MAINLY OF CLYDE-FLOYD CLASS C/D CRESCO LOAM CLASS C, PROTIVIN LOAM CLASS C/D, WAPSIE LOAM CLASS B. POST-CONSTRUCTION RUNOFF COEFFICIENT: 0.35

RECEIVING WATERS
OVERLAND FLOW TO CITY STORM SEWER TO UNNAMED WATERWAY TO OTTER

II. CONTROLS

THE FOLLOWING CONTROLS SHALL BE IMPLEMENTED ON THE SITE TO REDUCE THE EROSION AND SEDIMENTS FROM LEAVING THIS SITE. ALL CO-PERMITTES SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION AND MANAGEMENT OF THESE EROSION, SEDIMENT, AND STORM WATER MANAGEMENT CONTROL MEASURES SPECIFIED HEREIN. THE WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT EDITION (2025) OF THE URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (SUDAS). MODIFICATIONS MAY BE MADE AND ADDITIONAL ITEMS AND/OR WORK REQUIRED AS PART OF THIS PLAN AS WORK PROGRESSES AS DETERMINED BY THE OWNER, ENGINEER, CO-PERMITTEES, OR OTHER GOVERNMENTALLY REGULATED AGENCIES AFTER FIELD INSPECTION.

TEMPORARY EROSION CONTROL

1.NOT DISTURBING THE NATURAL GROUND UNTIL ACTUAL CONSTRUCTION

2 STABILIZATION OF DISTURBED AREAS MUST AT A MINIMUM RE INITIATED .STABLIZATION OF DISTORBED AREAS MOST, AT A MINIMOM, BE INITIALED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING, OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE OR TEMPORARILY CEASED ON ANY PORTION OF PORTION OF THE SITE OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR 14 CALENDAR DAYS. IN DROUGHT STRICKEN AREAS AND AREAS THAT HAVE RECENTLY RECEIVED SUCH HIGH AMOUNTS OF RAIN THAT SEEDING WITH FIELD EQUIPMENT IS IMPOSSIBLE AND INITIATING VEGETATIVE STABILIZATION IS INFEASIBLE, ALTERNATIVE STABILIZATION MEASURES MUST BE EMPLOYED AS SPECIFIED BY THE REGULATORY AGENCY. IN LIMITED CIRCUMSTANCES, STABILIZATION MAY NOT BE REQUIRED IF THE INTENDED FUNCTION OF A SPECIFIC AREA OF THE SITE PROFESSITATES THAT IT REMAIN UNDISTURBED. THE SITE NECESSITATES THAT IT REMAIN UNDISTURBED

3.PLACE STONE SUBBASE ON AREAS TO BE PAVED AS SOON AS POSSIBLE AFTER GRADING

4.PLACE MULCH ON SLOPES AS REQUIRED TO PREVENT EROSION AND AID IN ESTABLISHING VEGETATION

5.PLACE RECP AS INDICATED ON PLANS

PERMANENT EROSION CONTROLS

1.ESTABLISH VEGETATION ON ALL UNSURFACED DISTURBED AREAS
2.STABILIZE SURFACED AREAS 3.PLACE RIPRAP AROUND BRIDGE OPENING AS INDICATED ON PLANS

TEMPORARY SEDIMENT CONTROLS

1. INSTALL SILT FENCE AROUND INTAKES — UNTIL STONE BASE IS PLACED
2. INSTALL SILT FENCE ALONG DITCHES AND SWALES
3. INSTALL SILT FENCE AT CULVERT INLETS AT THE PROJECT BOUNDARIES
4.NOT DISTURBING EXISTING VEGETATION UNTIL NECESSARY
5. INSTALLATION OF EROSION CONTROL DEVICES IN ACCORDANCE WITH

SECTION 9040 OF SUDAS

6. STABILIZED CONSTRUCTION ENTRANCE.

PERMANENT SEDIMENT CONTROLS

1.ESTABLISH VEGETATION IN ALL DITCHES AND SWALES
2.ESTABLISH VEGETATION AT PERIMETER OF PROJECT.

TRACKING STABILIZED, TEMPORARY CONSTRUCTION ENTRANCES SHALL BE INSTALLED AS NEEDED BY THE CONTRACTOR TO PREVENT TRACKING OF EXCESS DIRT, MUD, AND ROCK ONTO ADJACENT ROADS AND STREETS. ANY TRACKING THAT OCCURS SHALL BE CLEANED AS NECESSARY.

<u>DUST CONTROL</u>
FUGITIVE DUST SHALL BE CONTROLLED BY WATERING THE GRADE OR OTHER
MEANS AS APPROVED BY THE ENGINEER IN ACCORDANCE WITH SECTION 9040 OF SUDAS.

THE PRIMARY CONTRACTOR SHALL MAINTAIN ANY TEMPORARY AND PERMANENT CONTROL MEASURES. THIS INCLUDES CLEANING, REPAIR, OR REPLACEMENT OF SILT FENCES, AND RESEEDING THROUGHOUT THE CONSTRUCTION PERIOD. SILT FENCE SHALL BE CLEANED WHEN FILLED TO HALF CAPACITY OR MORE TO PREVENT FAILURE.

THE PROJECT SHALL BE INSPECTED BY A DESIGNATED REPRESENTATIVE OF THE CONTRACTOR EVERY SEVEN CALENDAR DAYS. SILT FENCES WILL BE INSPECTED FOR DEPTH OF SEDIMENT AND OVERALL QUALITY AND EFFECTIVENESS. TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH. AN INSPECTION REPORT SHALL BE COMPLETED AFTER EACH INSPECTION. THIS PLAN MAY BE REVISED AND UPDATED UPON CONCLUSIONS DERIVED FROM INSPECTIONS, AND THE PRIMARY CONTRACTOR SHALL BE NOTIFIED AND SHALL IMPLEMENT ALL REVISIONS AND UPDATES AS SOON AS PRACTICAL BUT NOT MORE THAN 7 DAYS AFTER NOTIFICATION.

V. NON-STORM WATER DISCHARGES

IOWA DEPARTMENT OF NATURAL RESOURCES ALLOWS THE FOLLOWING NON—STORM WATER DISCHARGES UNDER THE CONDITION THAT NO POLLUTANTS ARE ALLOWED TO COME IN CONTACT WITH THE WATER PRIOR TO OR AFTER IT IS DISCHARGED FROM THE SITE:

1.UNCONTAMINATED GROUNDWATER FROM DEWATERING EXCAVATION 2.POTABLE WATER FROM WATERLINE FLUSHING OR IRRIGATION 3 WASH WATER FROM FOUIPMENT BUILDINGS AND/OR VEHICLES EXCLUDING DETERGENTS PAVEMENT WASH WATER WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED

. AIR CONDITIONING CONDENSATE

EROSION CONTROL MEASURES SHALL BE TAKEN TO REDUCE OR ELIMINATE THE SOURCES OF NON-STORM WATER DISCHARGES THAT ARE COMBINED WITH STORM WATER DISCHARGES FROM THE CONSTRUCTION SITE.

ALL CONCRETE TRUCKS MUST WASH OUT @ THE REDI-MIX PLANT IN A CONTAINMENT AREA. NO WASHOUT ON SITE OR ADJACENT PROPERTY WILL

SPILL PREVENTION

THE FOLLOWING IS A LIST OF POSSIBLE MATERIALS THAT MAY BE ON SITE

- DURING CONSTRUCTION ACTIVITIES:
- CONCRETE
 CONCRETE CURING COMPOUND DETERGENTS
- FERTILIZERS
- PETROLEUM BASED PRODUCTS SOLVENTS
- ADHESIVES
- 10. FUELS LUBRICANTS

11. LUBRICANIS
TO PREVENT OR MINIMIZE THE RISK OF SPILLS OR ACCIDENTAL EXPOSURE
OF MATERIALS TO STORM WATER, THE CO-PERMITTEES SHALL MAKE A GOOD
FAITH EFFORT TO STORE ONLY THE PRODUCTS NECESSARY AND ONLY
ENOUGH OF THE PRODUCTS NECESSARY TO DO THE JOB. ALL MATERIALS
SHALL BE STORED IN APPROPRIATE, LABELED CONTAINERS, AND WHENEVER POSSIBLE, THE ORIGINAL MANUFACTURER'S PACKAGING AND LABELS.

A LIST OF ANY MATERIALS ON SITE THAT ARE NOT LISTED HERE SHALL BE PROVIDED BY THE CO-PERMITTEE SUPPLYING AND USING THOSE MATERIALS, AS WELL AS A SPECIFIC PLAN TO MINIMIZE THE RISK OF SPILLS OR EXPOSURE TO STORM WATER DISCHARGES. IF CERTIFICATION IS REQUIRED TO HANDLE CERTAIN MATERIALS, A LIST OF INDIVIDUALS WITH THE PROPER CERTIFICATIONS AND THEIR CONTACT INFORMATION SHALL BE READILY AVAILABLE ON SITE AT ALL TIMES WHILE THOSE MATERIALS ARE PRESENT.

IN THE EVENT OF A SPILL, ALL CONTAMINATED SOIL, WATER, OR OTHER MATERIALS SHALL BE CLEANED OR DISPOSED OF IMMEDIATELY AFTER DISCOVERY. PERSONNEL SHALL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH CONTAMINATES. SPILLS OF HAZARDOUS OR TOXIC MATERIAL SHALL BE REPORTED TO THE APPROPRIATE GOVERNMENTAL AGENCY AND TO THE OWNER AND PRIMARY CONTRACTOR, RECARDLESS OF SIZE

VII. WASTE DISPOSAL

MATERIALS

EXCESS MATERIAL AND ALL CONTAINERS SHALL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND LOCAL, STATE, AND FEDERAL REGULATIONS. SOLID WASTE SHALL BE DISPOSED OF INTO A DUMPSTER OR OTHER SOLID WASTE CONTAINER THAT WILL BE EMPTIED WEEKLY OR MORE OFTEN AS NECESSARY. NO CONSTRUCTION MATERIALS
WILL BE BURIED ON SITE OR IN AN UNAPPROVED LANDFILL. SOLID WASTE
CONTAINERS SHALL BE PLACED IN AN AREA WHERE CONTACT WITH STORM WATER DISCHARGE IS MINIMAL

SANITARY WASTE
A PORTABLE RESTROOM FACILITY SHALL BE LOCATED ON SITE AT ALL TIMES UNLESS AN APPROVED EQUAL IS ALLOWED. THIS FACILITY SHALL BE LOCATED IN AN AREA WHERE CONTACT WITH STORM WATER DISCHARGE IS MINIMAL. AN APPROVED SANITARY WASTE MANAGEMENT CONTRACTOR SHALL COLLECT ALL SANITARY WASTE FROM THE PORTABLE UNITS.

VIII. UPDATES & REVISIONS

THIS SWPPP SHALL BE UPDATED AND REVISED AS NECESSARY, AND DOCUMENTATION OF ALL UPDATES AND REVISIONS IS REQUIRED. THE DOCUMENTATION SHALL BE KEPT ON SITE WITH THE SWPPP

IX. NOTICES AND FORMS

THE FOLLOWING ARE CONSIDERED AS A PART OF THE OVERALL STORM WATER POLLUTION PREVENTION PLAN.

- PUBLIC NOTICE OF STORM WATER DISCHARGE NOTICE OF INTENT SWPPP CERTIFICATION BY OWNER SWPPP CERTIFICATION BY CO-PERMITTEES

- INSPECTION AND MAINTENANCE FORM

400 TONS CLASS 'E' RIP RAF PLACED ON ABUTMENT SLOPES AND TO 30' UPSTREAM AND DOWNSTREAM 77 LF SILT FENCE 72 LF SILT FENCE 04 120 LF SILT FENCE 95 LF SILT FENCE PLACE 110 LF WATTLE AT GRADING EXTENTS ROSE ROAD/WEST CHARLES STREET SITE MAP - WESTERLY PORTION

40 40 80 120 FEET

FEHR GRAHA **ENGINEERING & ENVIRONMENTAL**

ILLINOIS IOWA

WISCONSIN

OWNER/DEVELOPER

CITY OF OELWEIN 20 2ND AVE SW OELWEIN IA. 50662 PROJECT AND LOCATION

TRAIL SEGEMENT 2 IMPROVEMENTS OELWEIN, IOWA

RAWN BY: JGK APPROVED BY: JSB DATE: MAY 2025 SCALE: AS NOTED REVISIONS DESCRIPTION DATE

STORM WATER POLLUTION PREVENTION PLAN WESTERLY PORTION

SET TYPE: BID SET

21-1205 SHEET NUMBER C.04

JOB NUMBER



ILLINOIS IOWA WISCONSIN OWNER/DEVELOPER:

CITY OF OELWEIN
20 2ND AVE SW

OELWEIN IA, 50662

TRAIL SEGEMENT 2 IMPROVEMENTS
OELWEIN, IOWA

DRAWN BY: JGK
APPROVED BY: JSB
DATE: MAY 2025
SCALE: AS NOTED

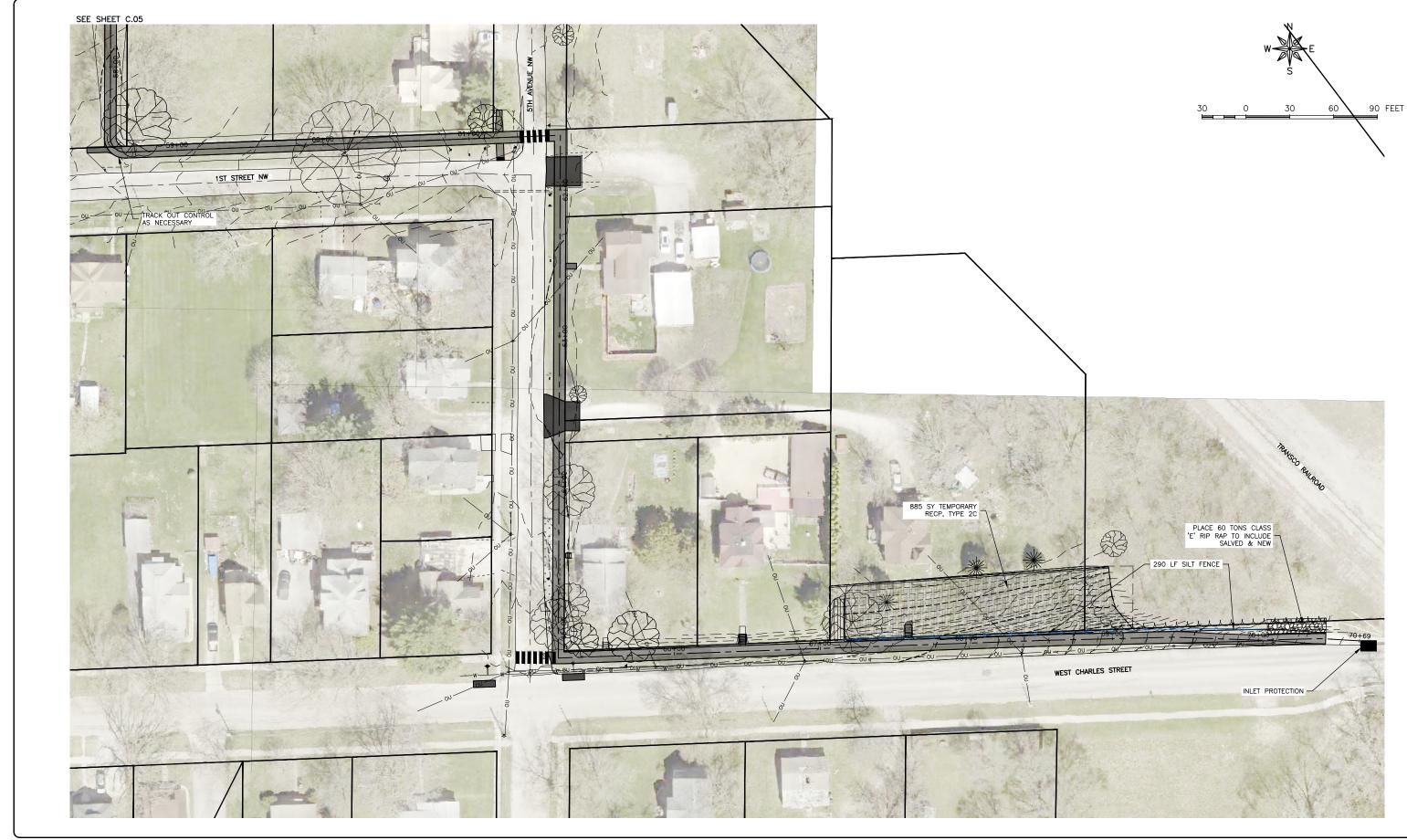
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STORM WATER POLLUTION PREVENTION PLAN
- EASTERLY PORTION

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21-1205

SHEET NUMBER:

C.05



ILLINOIS IOWA WISCONSIN OWNER/DEVELOPER:
CITY OF OELWEIN
20 2ND AVE SW
OELWEIN IA, 50662

PROJECT AND LOCATION:
TRAIL SEGEMENT 2 IMPROVEMENTS
OELWEIN, IOWA

DRAWN BY: JGK
APPROVED BY: JSB
DATE: MAY 2025
SCALE: AS NOTED

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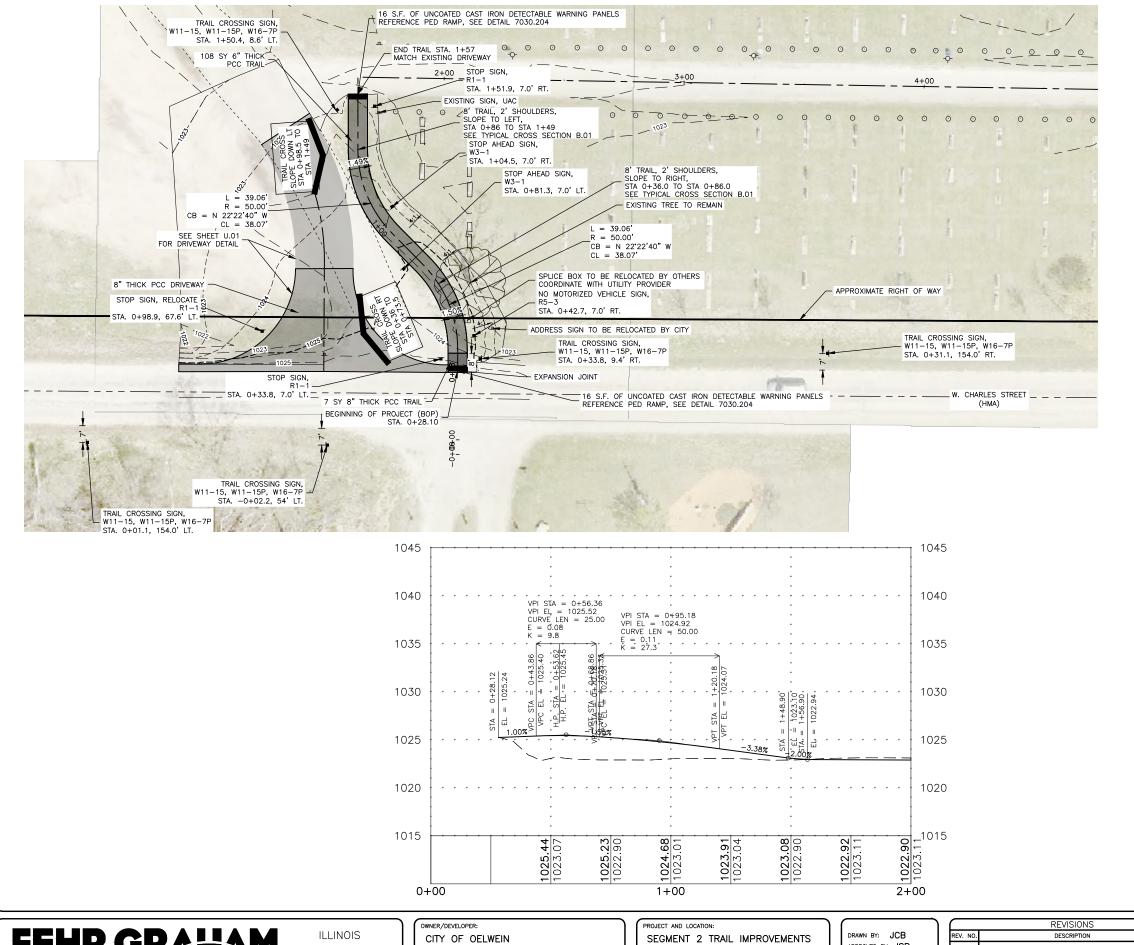
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STORM WATER POLLUTION PREVENTION PLAN
- EASTERLY PORTION

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JOB NUMBER:
21-1205

SHEET NUMBER:

C.06



NOTES:

1. TRAIL ALIGNMENT IS ON CENTER OF TRAIL.

2. TRAIL SLOPES TO INSIDE OF CURVE, TYPICAL.

3. CURING COMPOUND REQUIRED.

COMPOUND REQUIRED.
 'C' JOINT AT 8' SPACING.
 SEED, FERTILIZE, AND MULCH ALL DISTURBED AREAS.
 TRANSITION BETWEEN TRAIL CROSS SLOPE DIRECTIONS OVER 25 FEET.



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IOWA WISCONSIN

20 2ND AVE SW OELWEIN IA, 50662 OELWEIN, IA

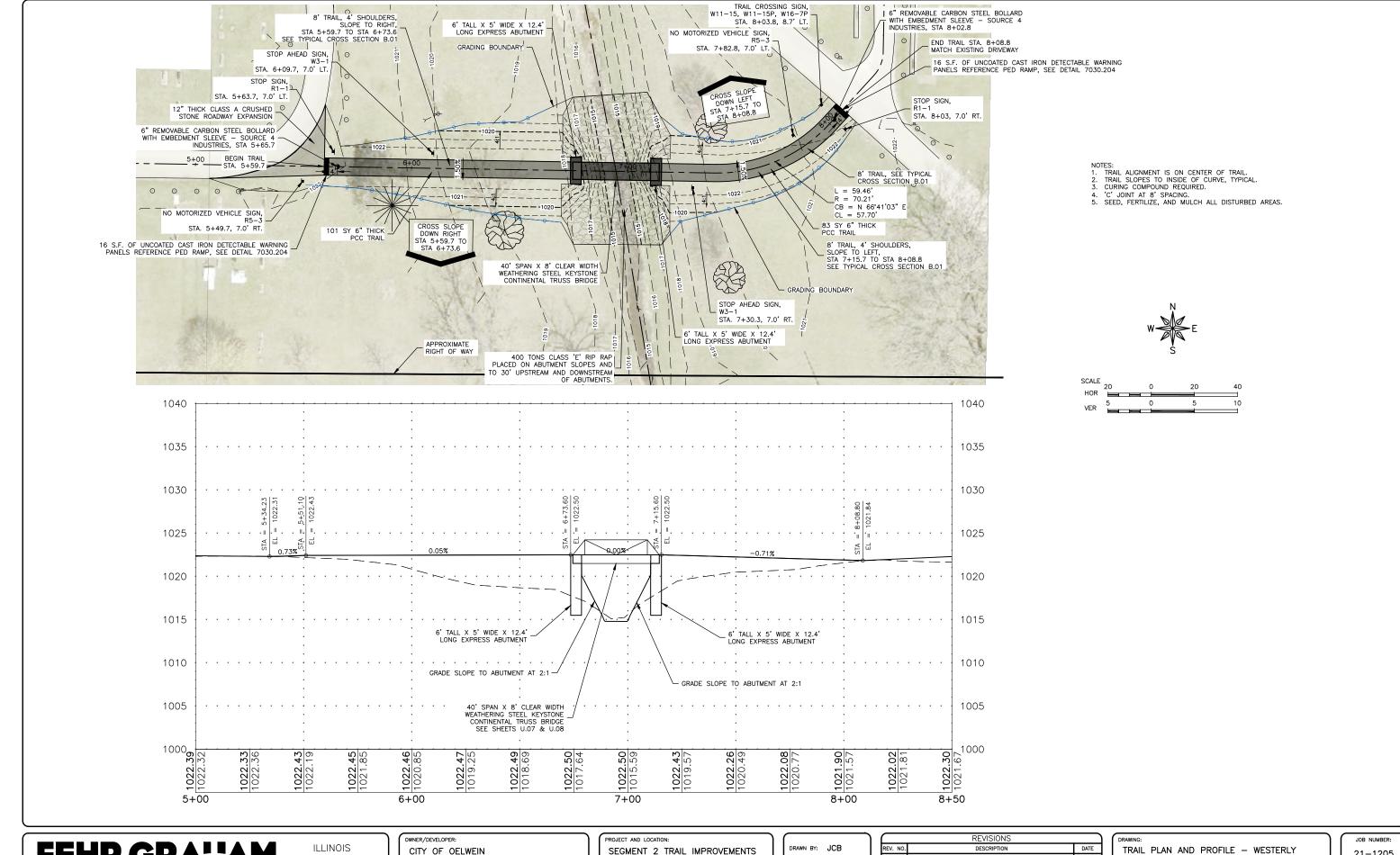
APPROVED BY: JSB DATE: MAY 2025 SCALE: AS NOTED

	REVISIONS	
REV. NO.	DESCRIPTION	DATE

TRAIL PLAN AND PROFILE - WESTERLY

SET TYPE: BID SET

JOB NUMBER 21-1205 SHEET NUMBER



PLOT DATE: 5/7/25 © 2025 FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

IOWA WISCONSIN

CITY OF OELWEIN 20 2ND AVE SW OELWEIN IA, 50662 SEGMENT 2 TRAIL IMPROVEMENTS OELWEIN, IA

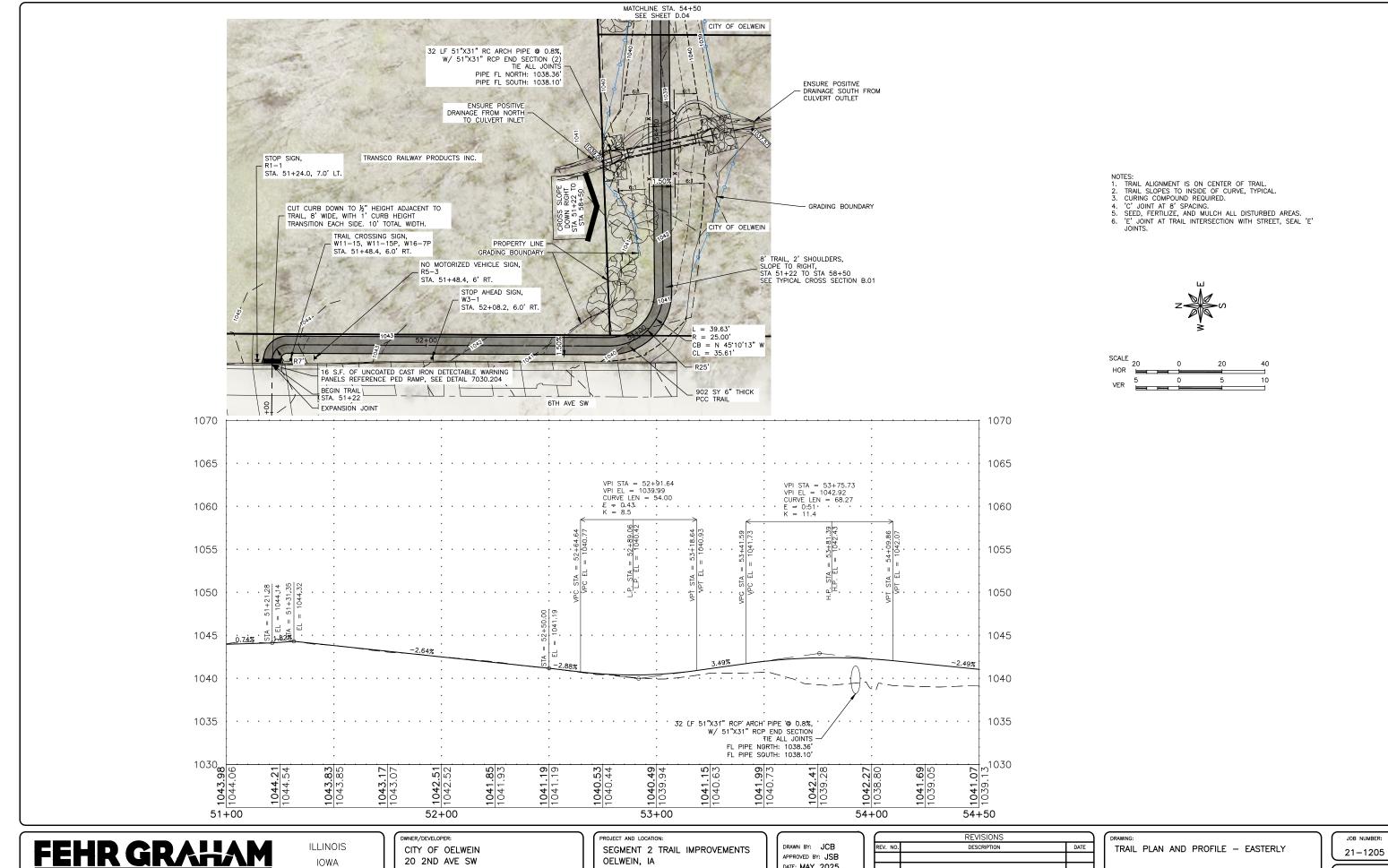
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REV. NO.	DESCRIPTION	DATE	
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TRAIL PLAN AND PROFILE - WESTERLY

SET TYPE: BID SET

21-1205 SHEET NUMBER



ENGINEERING & ENVIRONMENTAL

WISCONSIN

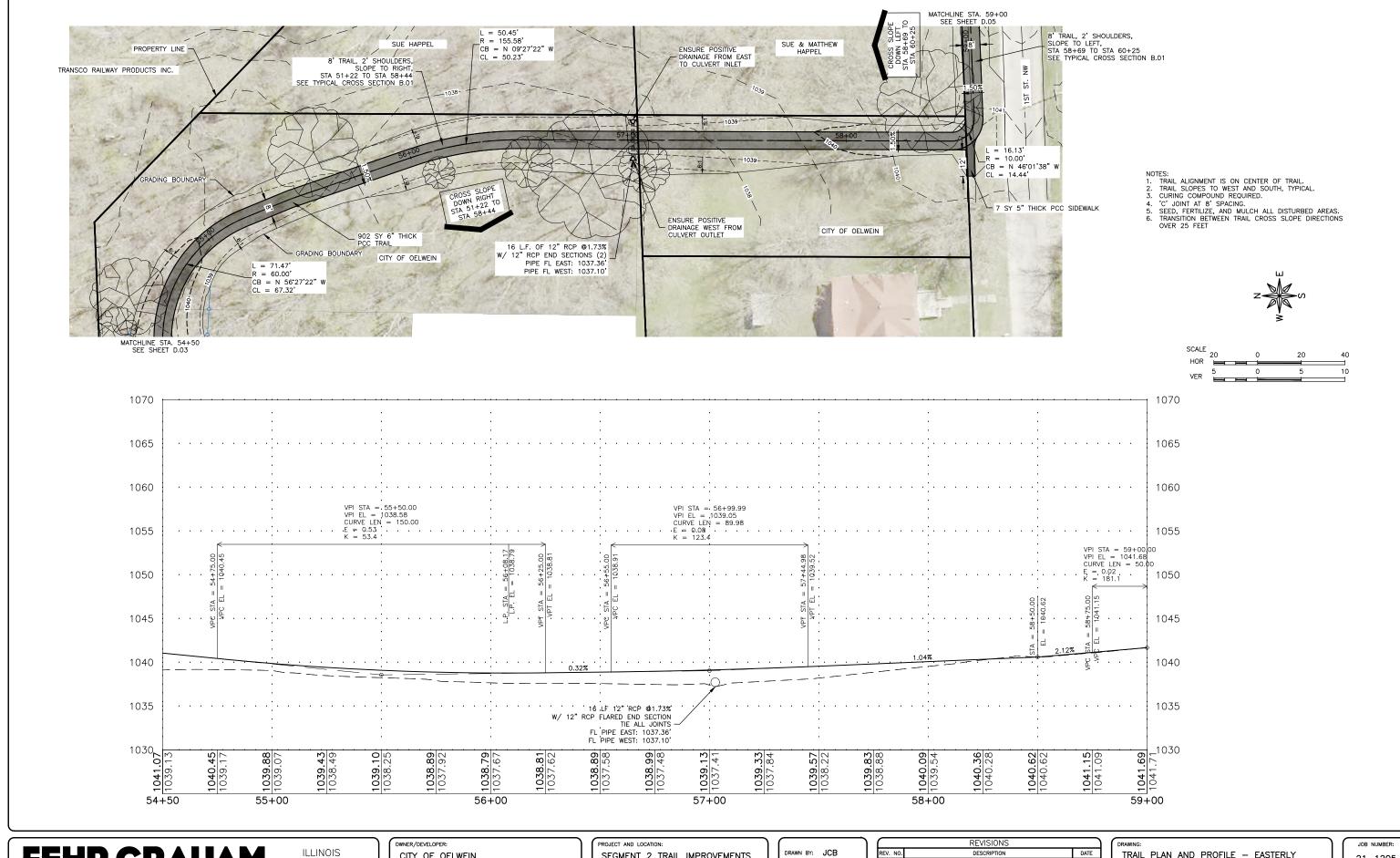
OELWEIN IA, 50662

DATE: MAY 2025 SCALE: AS NOTED

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REV. NO.	DESCRIPTION	DATE

SET TYPE: BID SET

SHEET NUMBER:



IOWA WISCONSIN

CITY OF OELWEIN 20 2ND AVE SW OELWEIN IA, 50662

SEGMENT 2 TRAIL IMPROVEMENTS OELWEIN, IA

APPROVED BY: JSB DATE: MAY 2025 SCALE: AS NOTED

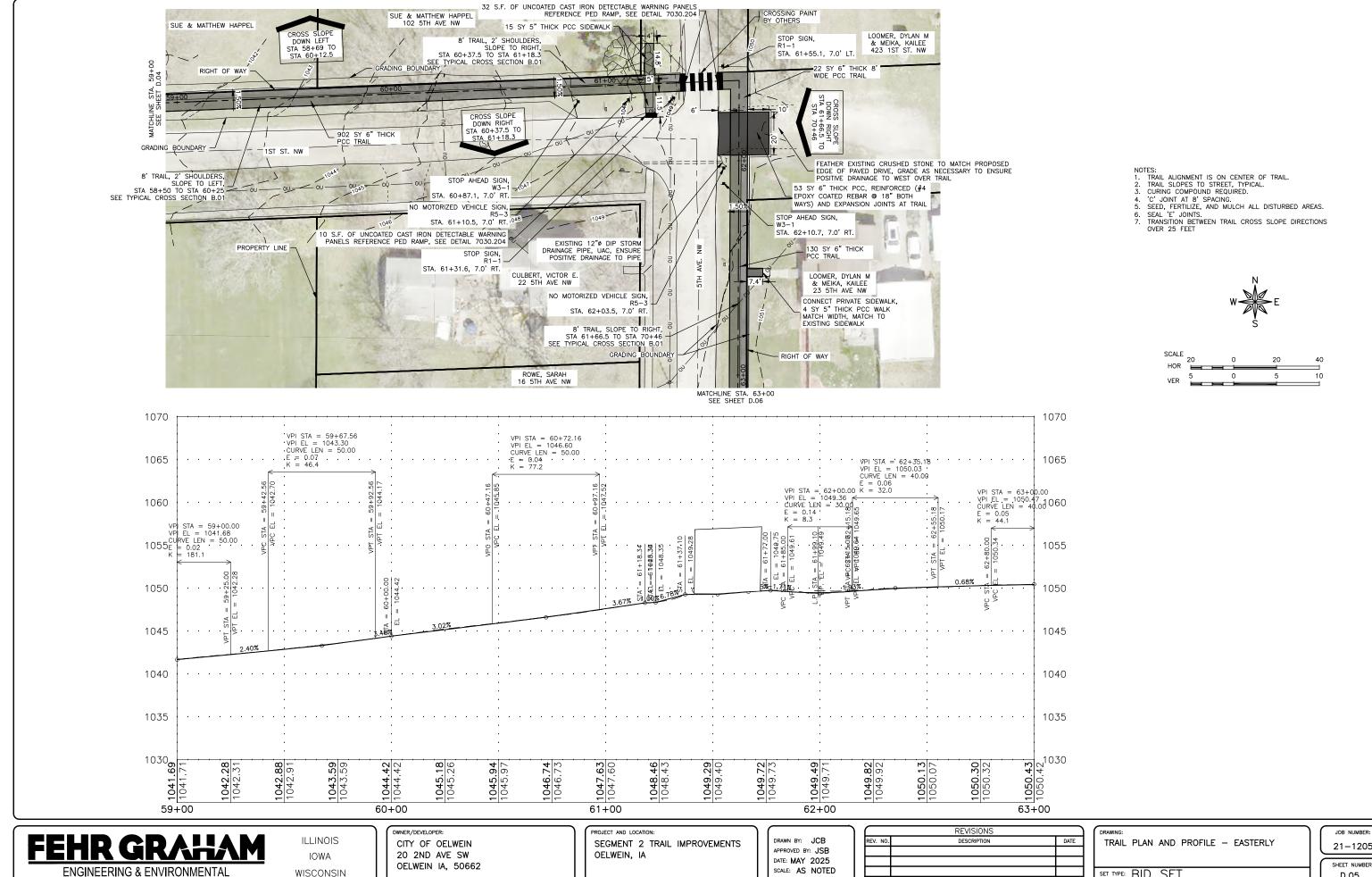
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EV. NO.	DESCRIPTION	DATE

TRAIL PLAN AND PROFILE - EASTERLY

SET TYPE: BID SET

21-1205

SHEET NUMBER: D.04



PLOT DATE: 5/7/25 © 2025 FEHR GRAHAM

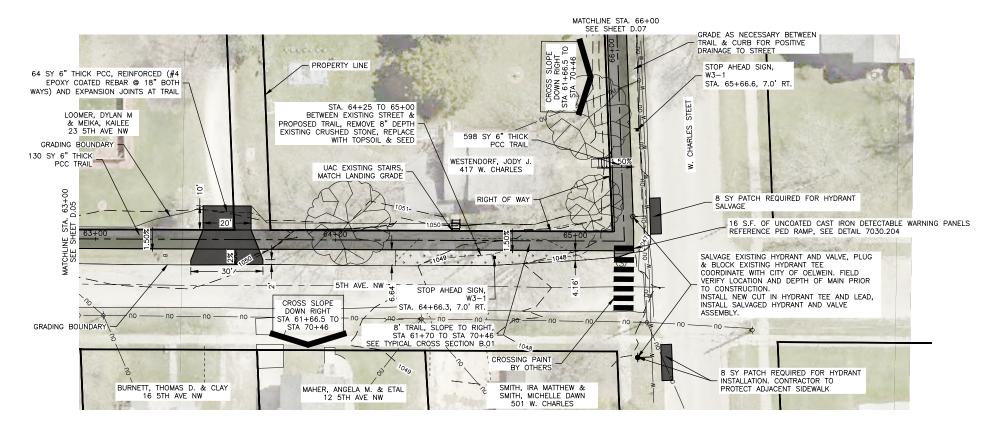
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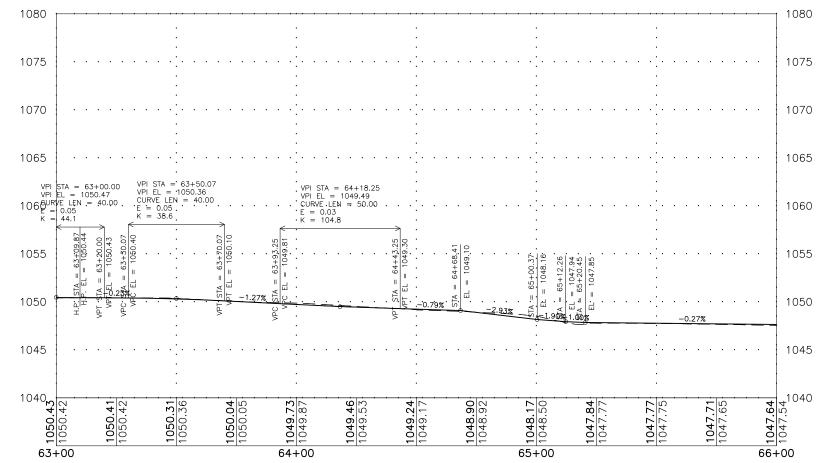
SCALE: AS NOTED

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REV. NO.	DESCRIPTION	DATE

SET TYPE: BID SET

21-1205





- NOTES:

 1. TRAIL ALIGNMENT IS ON CENTER OF TRAIL.

 2. TRAIL SLOPES TO STREET, TYPICAL.

 3. CURING COMPOUND REQUIRED.

 4. 'C' JOINT AT 8' SPACING.

- . 'C' JOINT AT 8' SPACING.

 SEED, FERTILIZE, AND MULCH ALL DISTURBED AREAS.

 HYDRANT SALVAGE AND INSTALLATION INCLUDES BUT IS NOT LIMITED TO ALL EXCAVATION, LABOR EQUIPMENT, AND MATERIALS REQUIRED TO SHUT DOWN WATER, DISCONNECT EXISTING HYDRANT, SALVAGE GATE VALVE AND HYDRANT IN GOOD CONDITION FOR RELOCATION, PLUG TEE, PLACE AND COMPACT BACKFILL, CUT IN NEW HYDRANT IEE, PLACE AND COMPACT SEEVES), AND PROVIDE NEW HYDRANT LEAD IF NECESARY, INSTALL ASSEMBLY, PROVIDE AND PLACE THRUST BLOCKS, PLACE AND COMPACT BACKFILL, STREET REPAIR IS A SEPARATE ITEM.

 STREET PATCH SHALL BE FULL DEPTH PCC, 1" THICKER THAN
- 7. STREET PATCH SHALL BE FULL DEPTH PCC, 1" THICKER THAN EXISTING TOTAL PAVEMENT THICKNESS.



SCALE 20 HOR VER

FEHR GRAH!

ENGINEERING & ENVIRONMENTAL

ILLINOIS IOWA WISCONSIN

CITY OF OELWEIN 20 2ND AVE SW OELWEIN IA, 50662 PROJECT AND LOCATION SEGMENT 2 TRAIL IMPROVEMENTS OELWEIN, IA

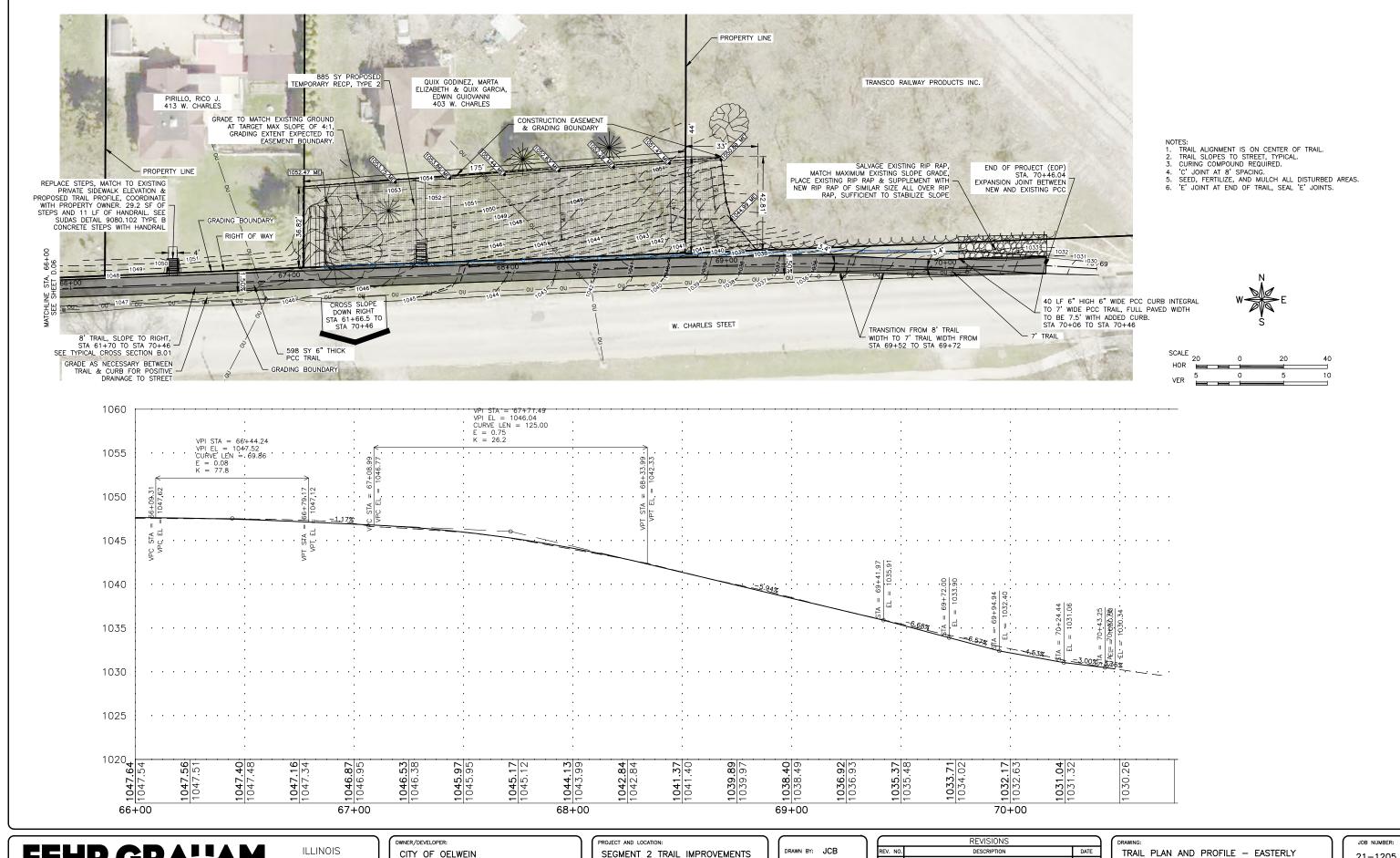
DRAWN BY: JCB APPROVED BY: JSB DATE: MAY 2025 SCALE: AS NOTED

	REVISIONS	
REV. NO.	DESCRIPTION	DATE
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TRAIL PLAN AND PROFILE - EASTERLY

SET TYPE: BID SET

JOB NUMBER 21-1205 SHEET NUMBER



ENGINEERING & ENVIRONMENTAL

IOWA WISCONSIN

CITY OF OELWEIN 20 2ND AVE SW OELWEIN IA, 50662 SEGMENT 2 TRAIL IMPROVEMENTS OELWEIN, IA

APPROVED BY: JSB DATE: MAY 2025 SCALE: AS NOTED

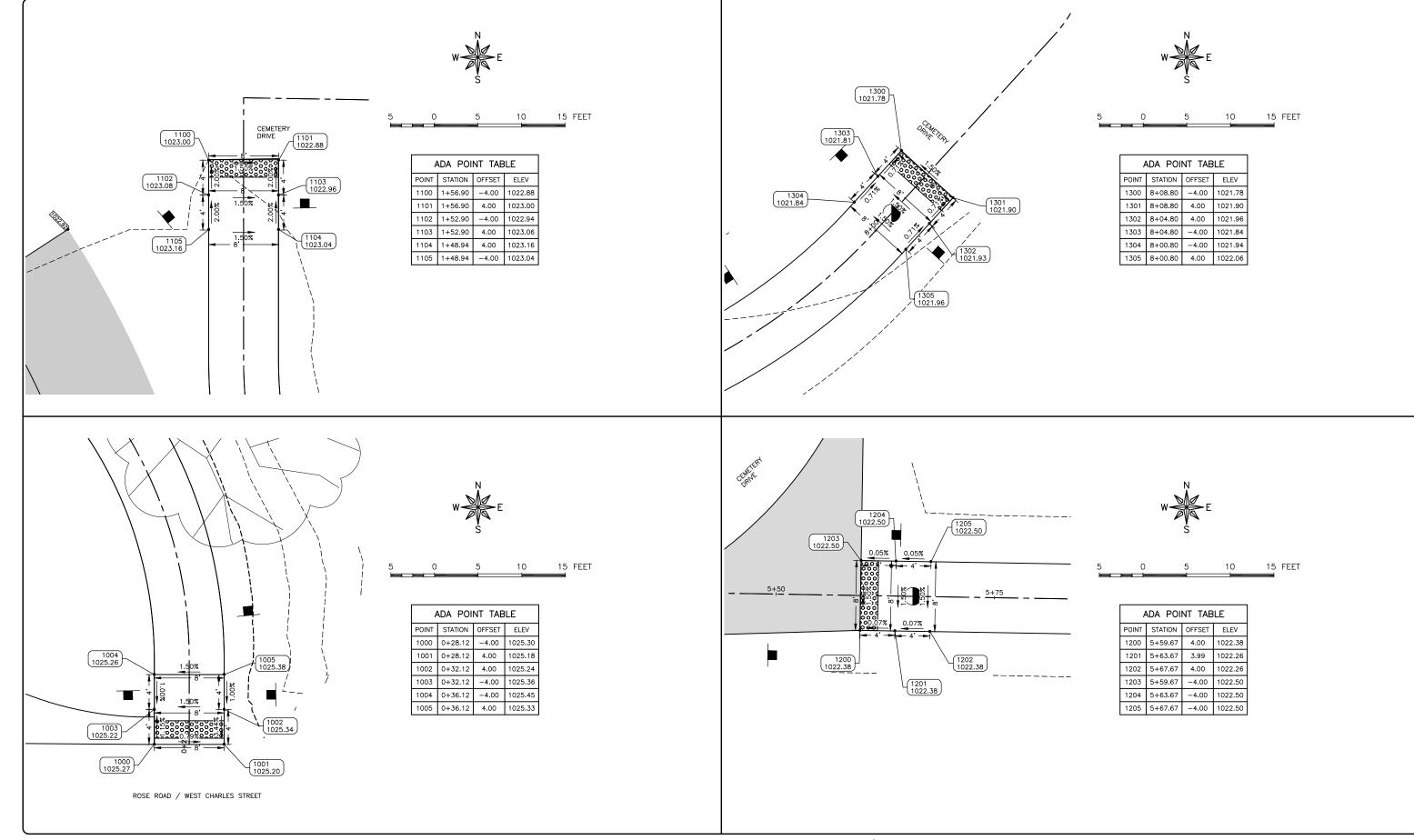
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TRAIL PLAN AND PROFILE - EASTERLY

SET TYPE: BID SET

21-1205

SHEET NUMBER: D.07



ILLINOIS IOWA WISCONSIN OWNER/DEVELOPER:

CITY OF OELWEIN

20 2ND AVE SW

OELWEIN IA, 50662

PROJECT TRAIL

PROJECT AND LOCATION:
TRAIL SEGEMENT 2 IMPROVEMENTS
OELWEIN, IOWA

DRAWN BY: JGK
APPROVED BY: JSB
DATE: MAY 2025
SCALE: AS NOTED

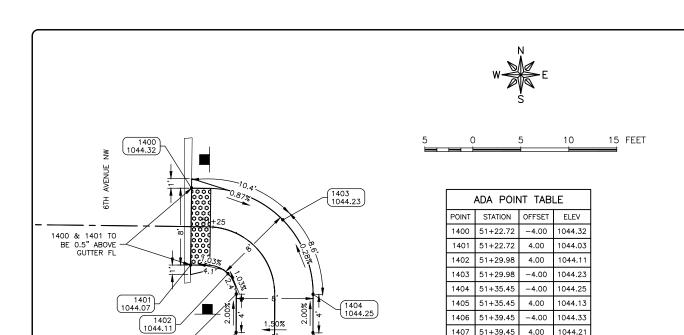
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DRAWING:
ADA RAMPS

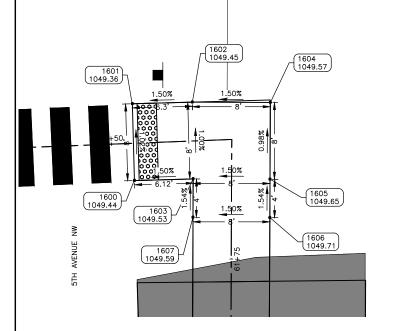
SET TYPE: BID SET G\C30\(21\)21-1205 Oelwein Troil Ph. 2\Plom\(21\)-1205 SWK ADA.dmg, S.01

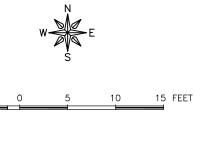
21-1205 SHEET NUMBER: S.01

JOB NUMBER:

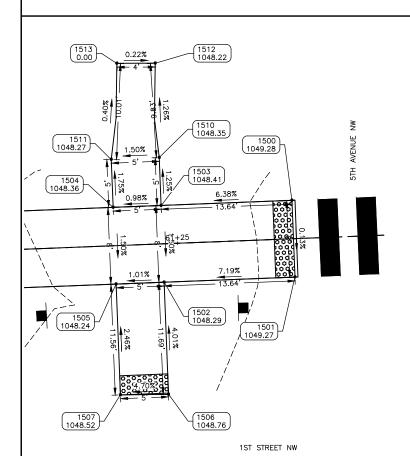


1406



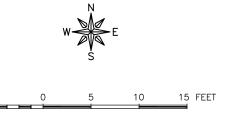


	ADA POINT TABLE			
POINT	STATION	OFFSET	ELEV	
1600	61+52.25	3.88	1049.44	
1601	61+52.35	-4.12	1049.35	
1602	61+58.59	-4.05	1049.45	
1603	61+58.37	3.95	1049.53	
1604	61+62.55	-5.57	1049.57	
1605	61+66.67	-4.00	1049.65	
1606	61+70.67	-4.00	1049.71	
1607	61+70.67	4.00	1049.59	



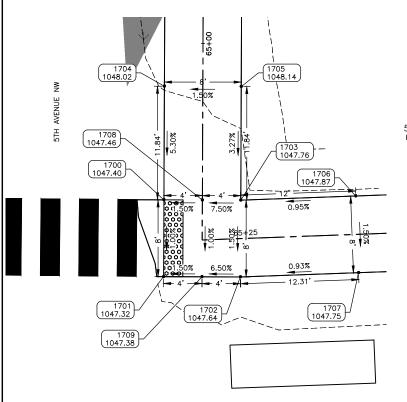
1405 1044.13

1407

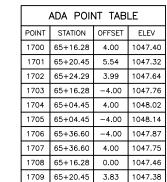


1407 51+39.45 4.00 1044.21

ADA POINT TABLE			
POINT	STATION	OFFSET	ELEV
1500	61+37.07	-4.00	1049.28
1501	61+37.07	4.00	1049.27
1502	61+23.43	4.00	1048.29
1503	61+23.44	-4.00	1048.41
1504	61+18.43	-4.00	1040.91
1505	61+18.43	4.00	1048.24
1506	61+23.43	15.69	1048.76
1507	61+18.43	15.56	1048.52
1510	61+23.43	-9.00	1048.35
1511	61+18.43	-9.00	1048.27
1512	61+23.40	-18.83	1048.22
1513	61+19.40	-18.98	1048.23



WEST CHARLES STREET



SET TYPE: BID SET

ENGINEERING & ENVIRONMENTAL

ILLINOIS IOWA WISCONSIN

CITY OF OELWEIN 20 2ND AVE SW OELWEIN IA, 50662 PROJECT AND LOCATION:

TRAIL SEGEMENT 2 IMPROVEMENTS OELWEIN, IOWA

DRAWN BY: JGK
APPROVED BY: JSB
DATE: MAY 2025
SCALE: AS NOTED

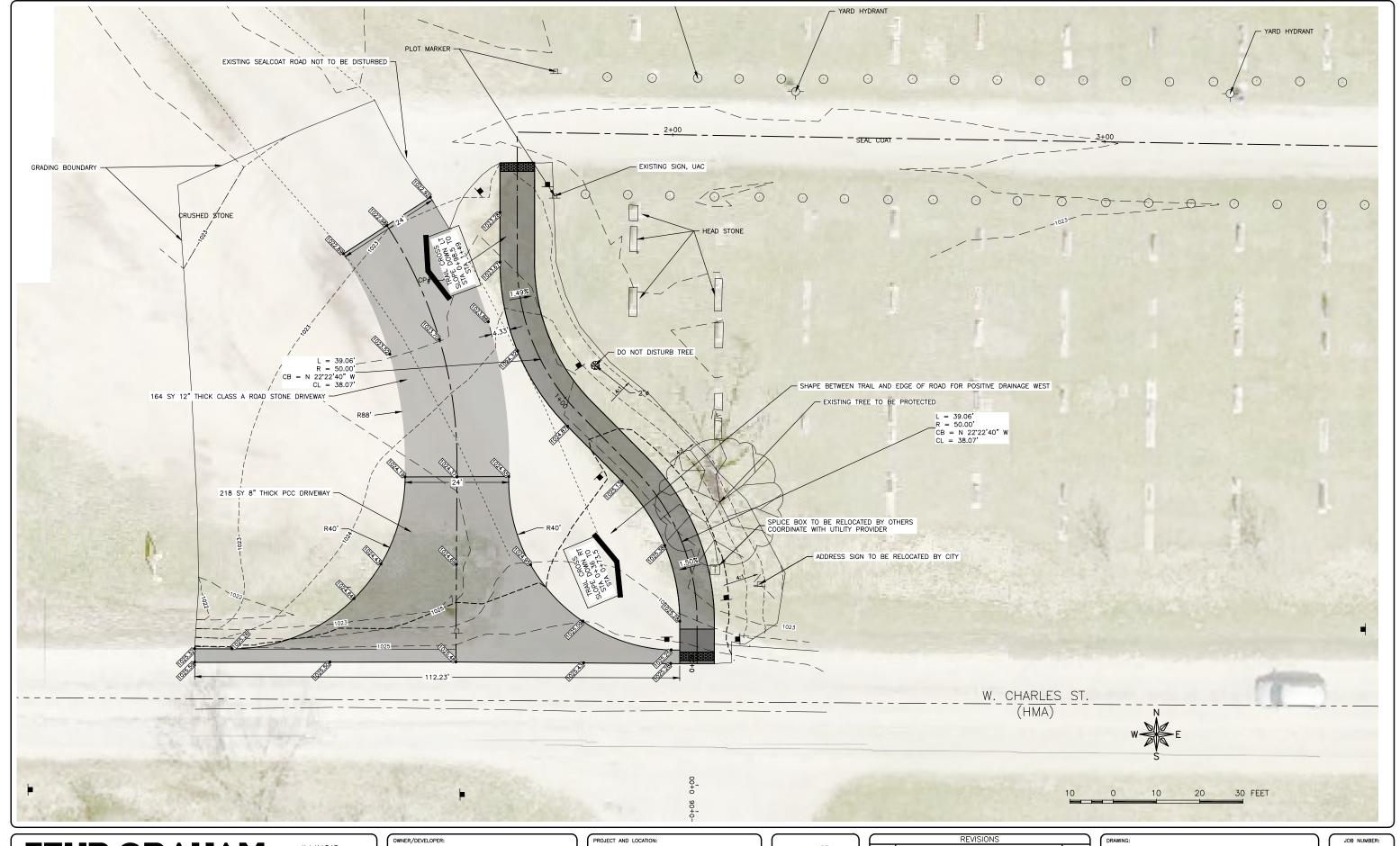
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REV. NO.	DESCRIPTION	DATE

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10

15 FEET

21-1205 S.02



ILLINOIS IOWA WISCONSIN OWNER/DEVELOPER:

CITY OF OELWEIN

20 2ND AVE SW

OELWEIN IA 50662

PROJECT AND LOCATION:

SEGMENT 2 TRAIL IMPROVEMENTS
OELWEIN, IA

DRAWN BY: JCB
APPROVED BY: JSB
DATE: MAY 2025
SCALE: AS NOTED

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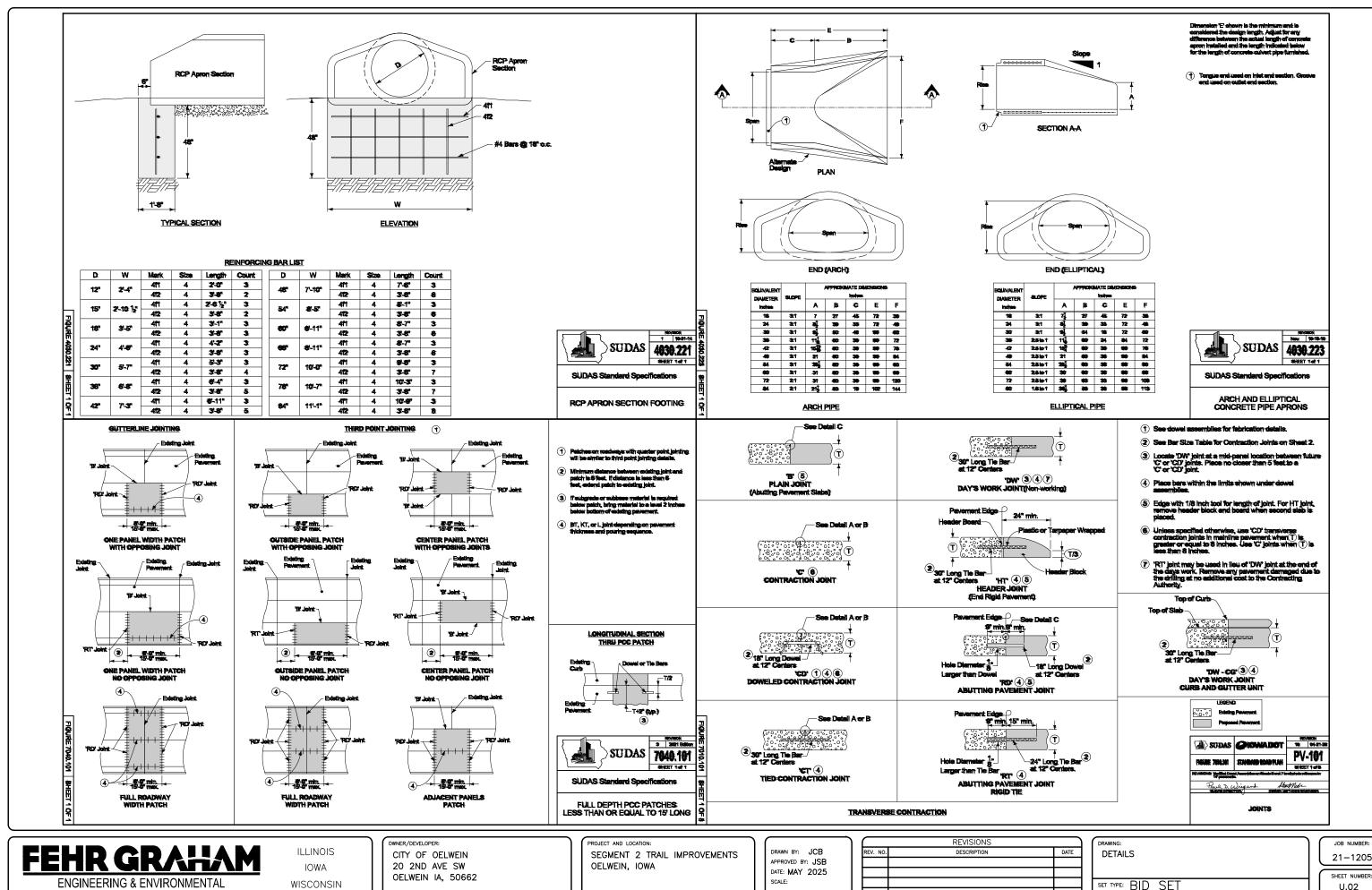
CEMETERY DRIVEWAY DETAIL

SET TYPE: BID SET

CACCUMATATA-1-1205 RAMAGA TOOL PR. APPOINTAT-1205 PLANS.dwg. U.01

JOB NUMBER: 21-1205

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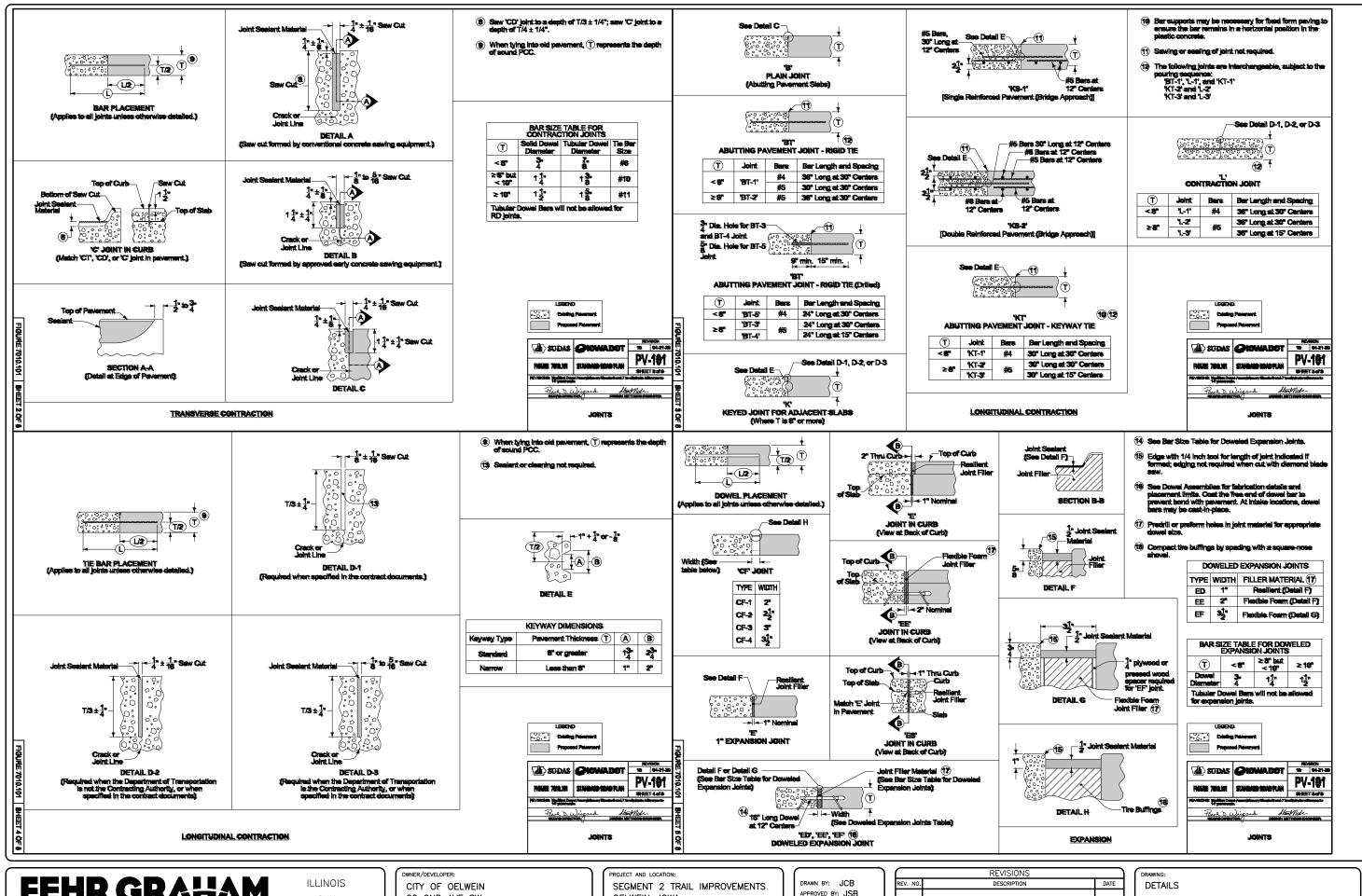


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SET TYPE: BID SET

JOB NUMBER: 21-1205





IOWA WISCONSIN 20 2ND AVE SW OELWEIN IA, 50662 OELWEIN, IOWA

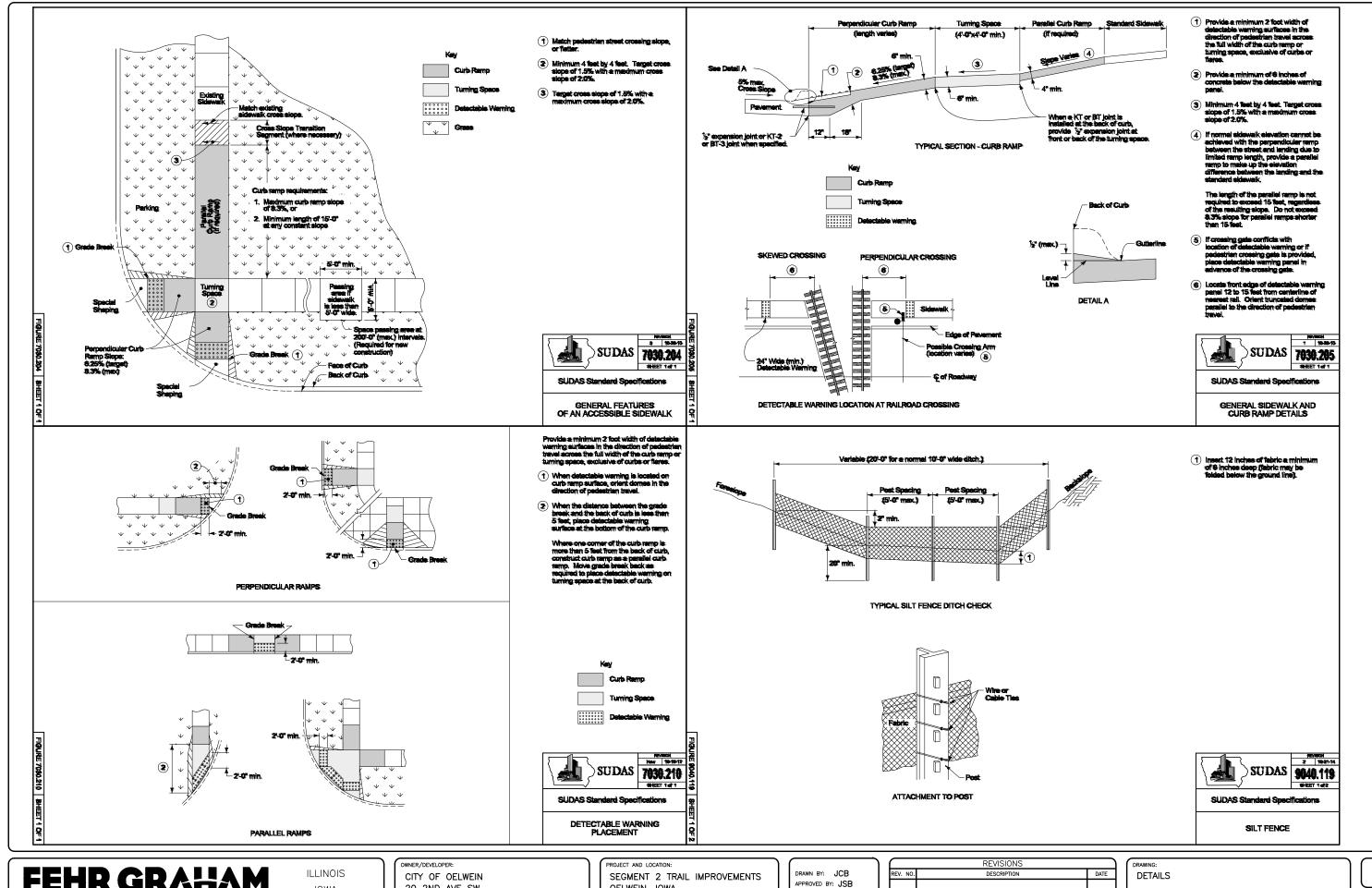
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JOB NUMBER 21-1205 SHEET NUMBER:

U.03



ENGINEERING & ENVIRONMENTAL

IOWA WISCONSIN 20 2ND AVE SW OELWEIN IA, 50662 OELWEIN, IOWA

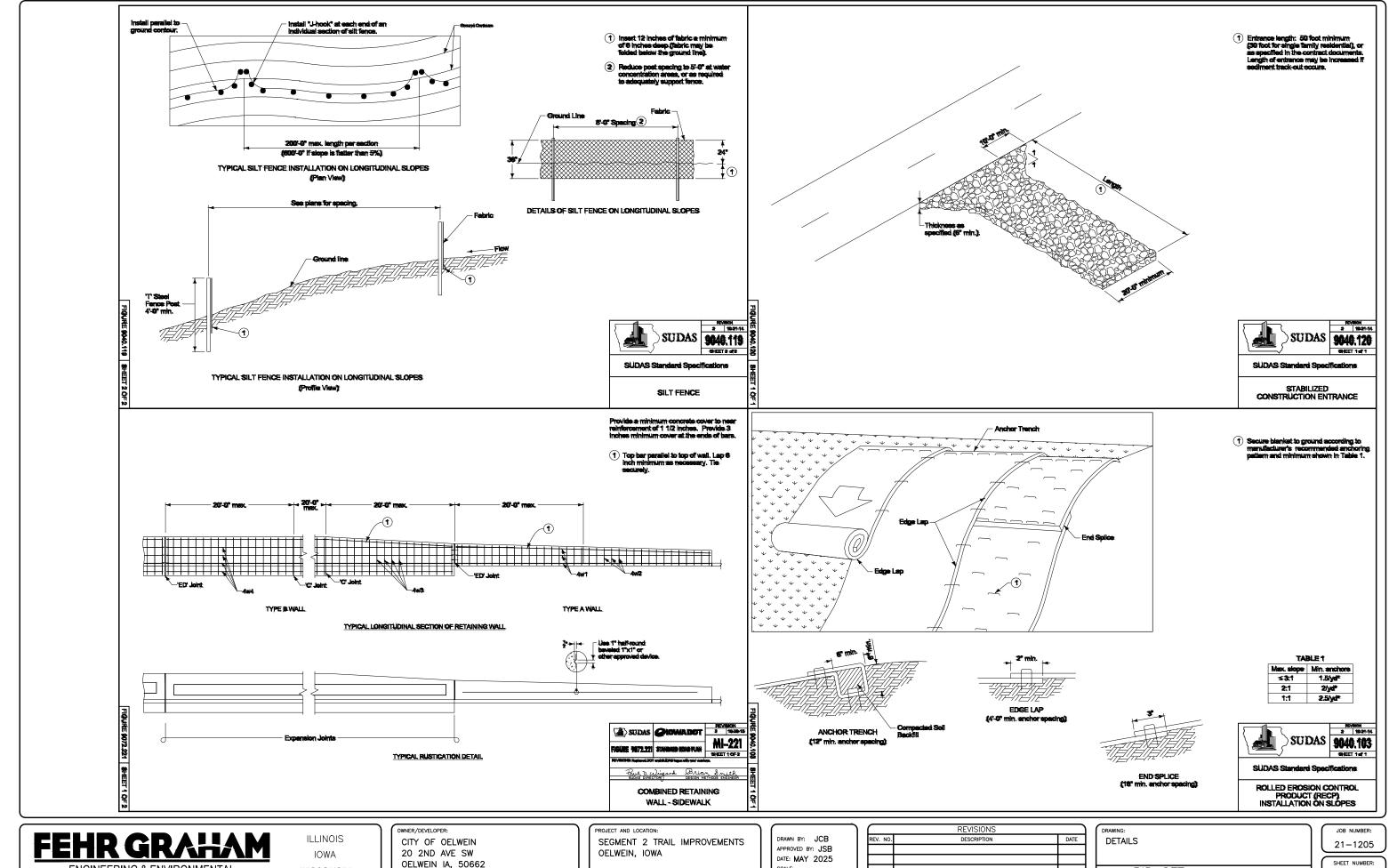
DATE: MAY 2025 SCALE:

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REV. NO.	DESCRIPTION	DATE
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SET TYPE: BID SET

JOB NUMBER: 21-1205

> SHEET NUMBER: U.04



PLOT DATE: 5/7/25 © 2025 FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

WISCONSIN

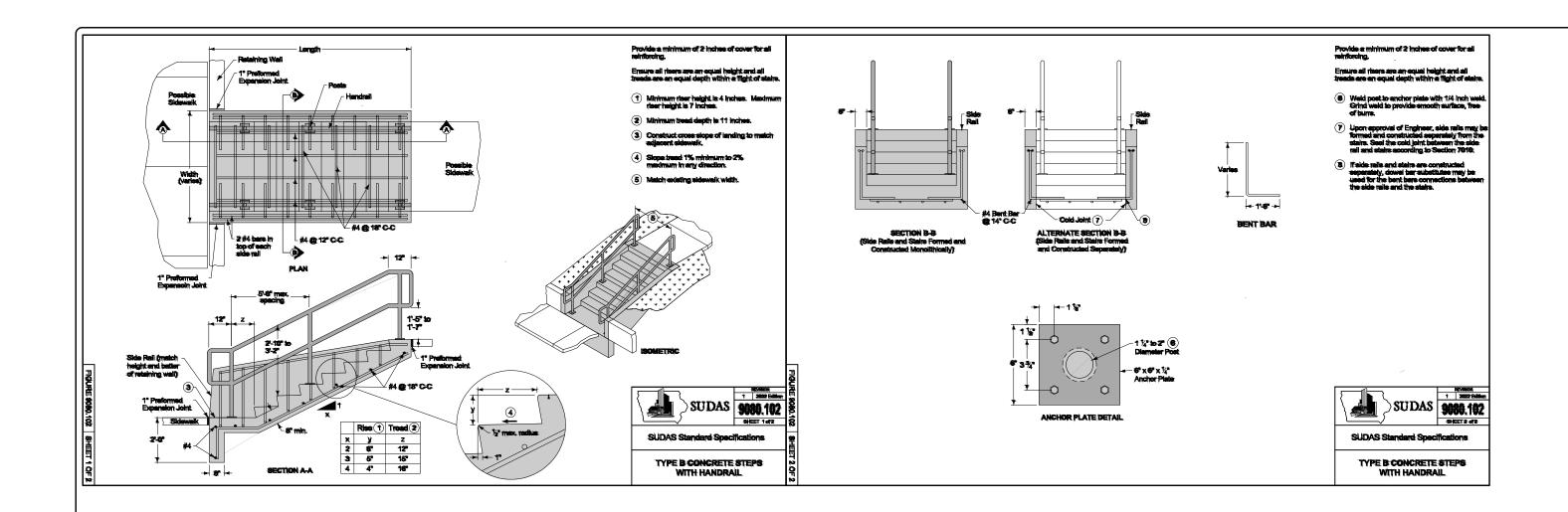
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APPROVED BY: JSB
DATE: MAY 2025
SCALE.

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REV. NO.	DESCRIPTION	DATE

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DETAILS		
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SET TYPE: BID SET

SHEET NUMBER: U.05



ILLINOIS IOWA WISCONSIN OWNER/DEVELOPER:

CITY OF OELWEIN
20 2ND AVE SW

OELWEIN IA, 50662

PROJECT AND LOCATION:
SEGMENT 2 TRAIL IMPROVEMENTS
OELWEIN, IOWA

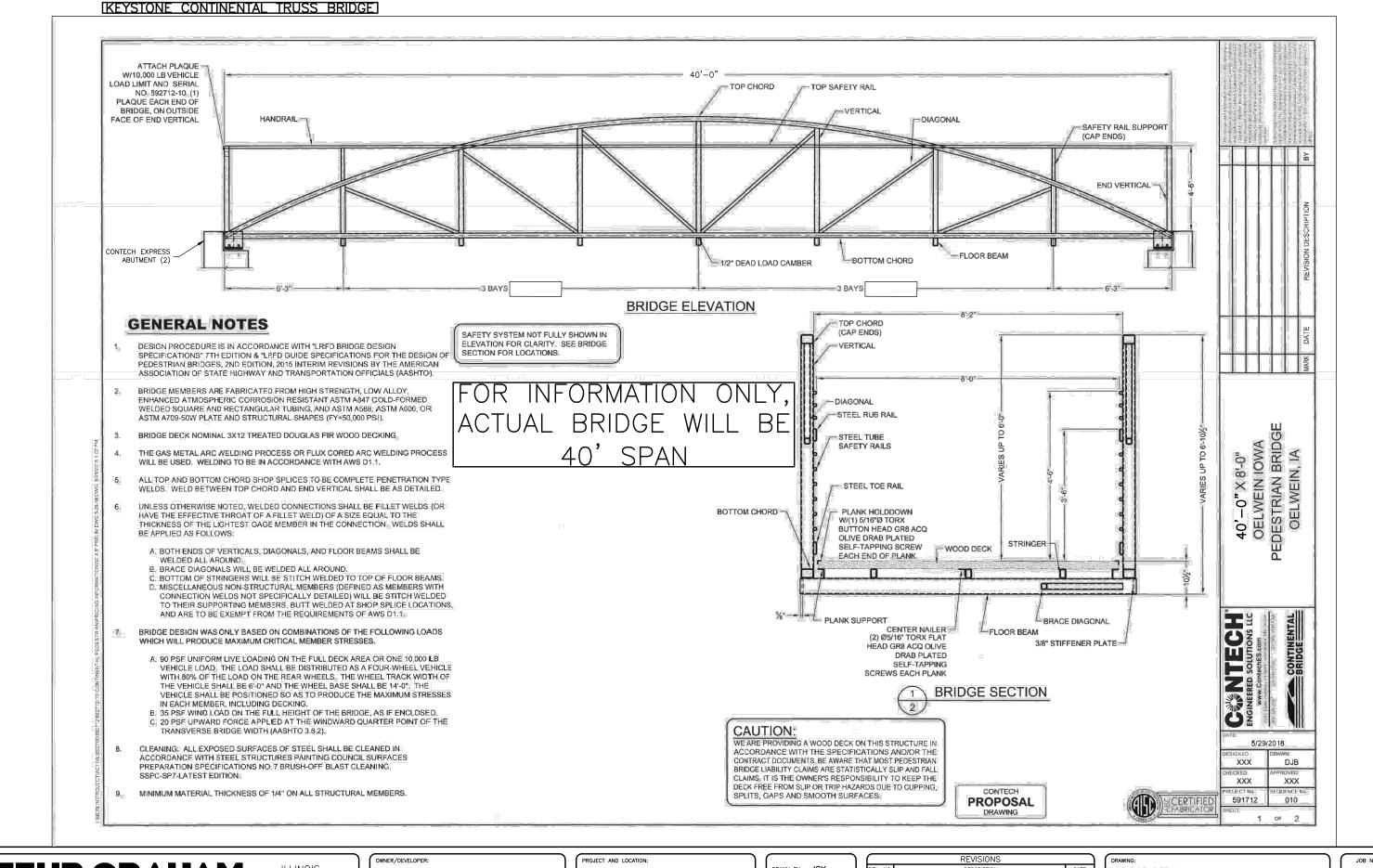
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APPROVED BY: JSB
DATE: MAY 2025
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DETAILS

SET TYPE: BID SET

JOB NUMBER: 21-1205 SHEET NUMBER: U.06





ILLINOIS IOWA

WISCONSIN

CITY OF OELWEIN 20 2ND AVE SW OELWEIN IA. 50662

TRAIL SEGEMENT 2 IMPROVEMENTS OELWEIN, IOWA

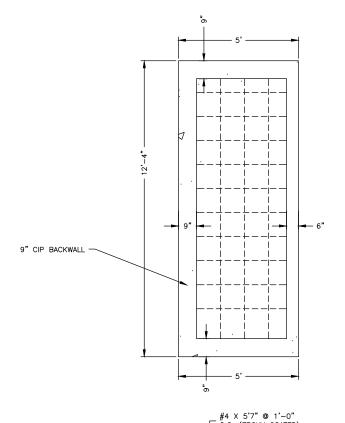
RAWN BY: JGK APPROVED BY: JSB DATE: MAY 2025 SCALE: AS NOTED

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BRIDGE DETAIL SET TYPE: BID SET

JOB NUMBER 21-1205

> SHEET NUMBER: U.07



EXPRESS ABUTMENTS (2) WILL BE PROVIDED BY CONTECH (BRIDGE SUPPLIER).

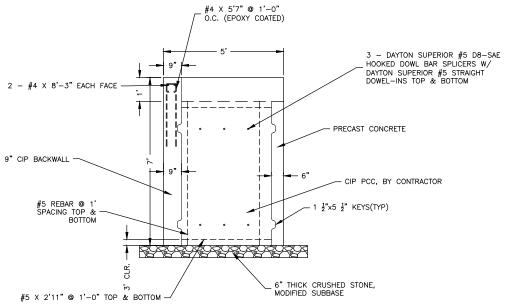
DIMENSIONS ARE ASSUMED BASED ON 2,500 PSF NET ALLOWABLE BEARING CAPACITY.
BEARING CAPACITY TO BE VERIFIED BY GEOTECHNICAL INVESTIGATION PROVIDED BY OWNER.

CONTRACTOR TO PROVIDE PCC INFILL, ESTIMATED TO BE 10.9 CY TOTAL.

12" WALL EXTENSION REQUIRED ON BACK AND SIDES OF ABUTMENT.

COORDINATE WITH CONTECH, JAKE VOGEL, 612-352-7944, JAKE.VOGEL@CONTECHES.COM FOR EXACT DETAIL OF EXPRESS ABUTMENTS AND WHAT PORTIONS OF WORK WILL BE REQUIRED BY CONTRACTOR.

DETAIL SHOWN IS APPROXIMATE.



BRIDGE ABUTMENT/PCC DETAIL N.T.S.

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ENGINEERING & ENVIRONMENTAL

ILLINOIS IOWA WISCONSIN OWNER/DEVELOPER:

CITY OF OELWEIN
20 2ND AVE SW

OELWEIN IA, 50662

PROJECT AND LOCATION:

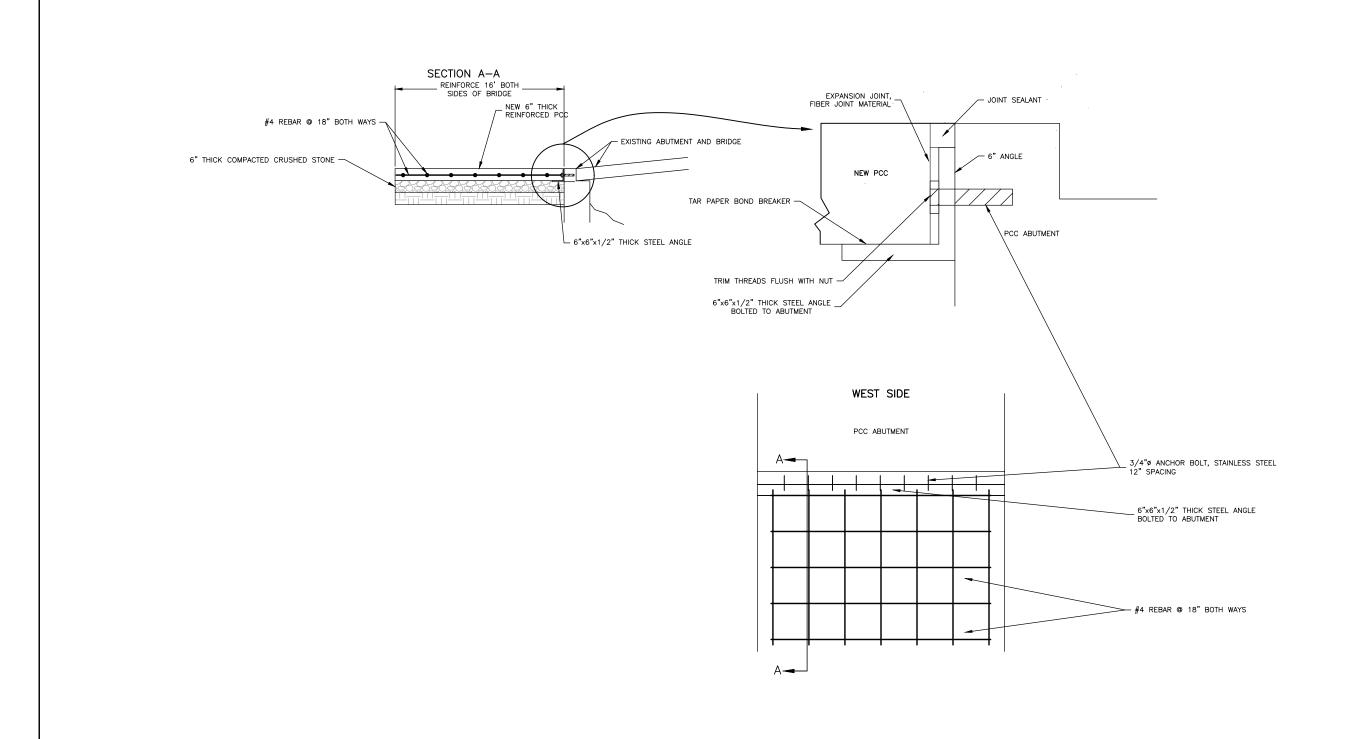
TRAIL SEGEMENT 2 IMPROVEMENTS OELWEIN, IOWA

DRAWN BY: JGK	REV. NO.	ſ
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DATE: MAY 2025		Г
SCALE: AS NOTED		Γ
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REV. NO.	DESCRIPTION	DATE

BRIDGE DETAIL — EXPRESS ABUTMENT

SET TYPE: BID SET C\C30\21\21-1205 Oelwein Troil Ph. 2\Plans\21-1205 PLANS.dwg, Bridge Abut 3 21-1205 SHEET NUMBER: U.08



BRIDGE ABUTMENT/PCC DETAIL N.T.S.



ILLINOIS IOWA WISCONSIN OWNER/DEVELOPER:
CITY OF OELWEIN
20 2ND AVE SW
OELWEIN IA, 50662

PROJECT AND LOCATION:

TRAIL SEGEMENT 2 IMPROVEMENTS
OELWEIN, IOWA

DRAWN BY: JGK
APPROVED BY: JSB
DATE: MAY 2025
SCALE: AS NOTED

REVISIONS		
REV. NO.	DESCRIPTION	DATE

TRAIL TO ABUTMENT DETAIL

21-1205
SHEET NUMBER:
U.09

JOB NUMBER:

PLOT DATE: 5/7/25 © 2025 FEHR GRAHAM

SET TYPE: BID SET G:\C30\21\21-1205 Oelwein Troil Ph. 2\Pl