

Madigan Creek Restoration - Phase I
Rockford Township, Winnebago County, Illinois
Section 25-00736-00-DR

Client:

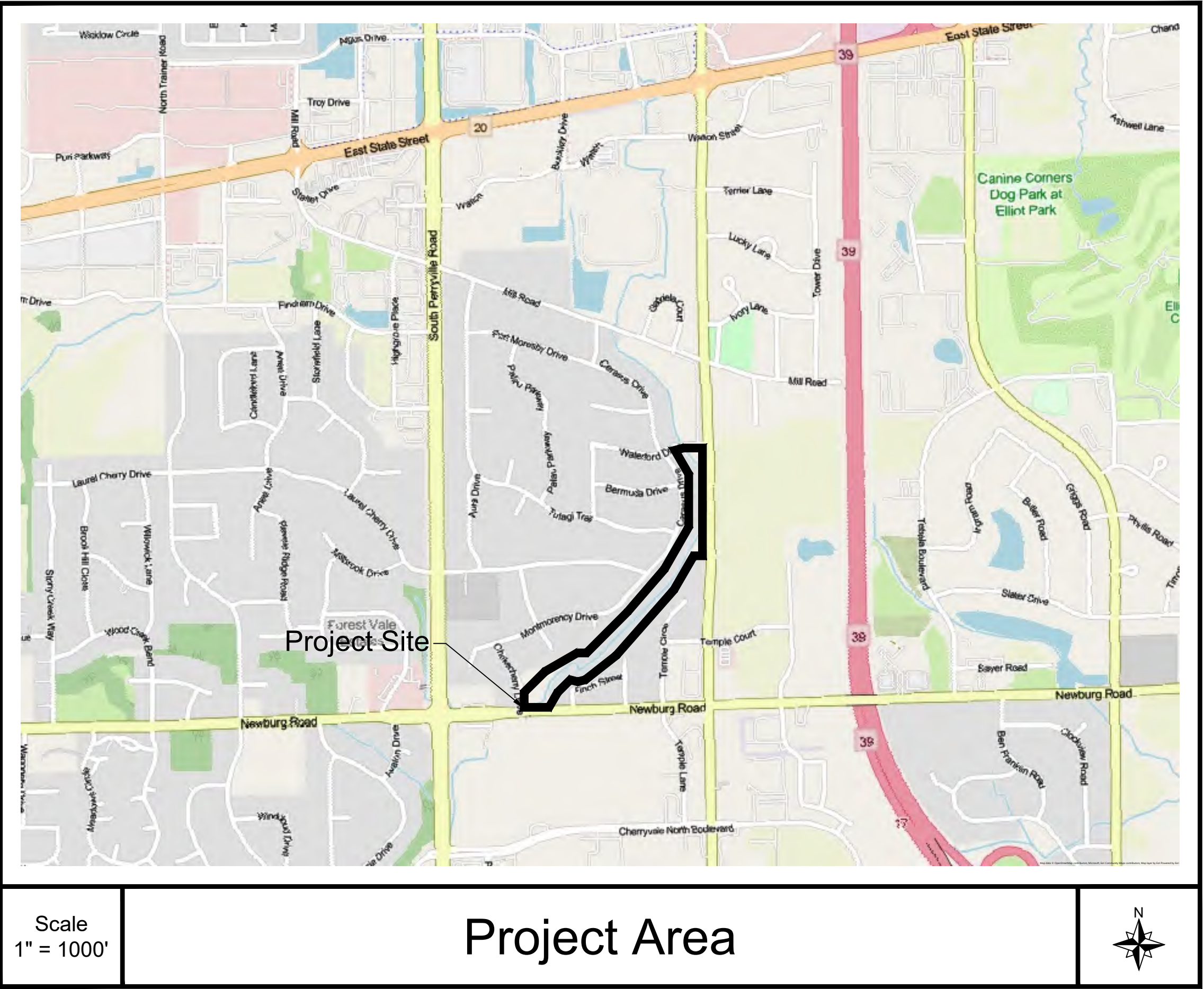
Winnebago County
Highway Department
Sean Von Bergen
424 North Springfield Avenue
Rockford, Illinois 61101
Office (815) 319-4000

Engineer:

Hey and Associates, Inc.
26575 West Commerce Drive, Suite 601
Volo, Illinois 60073
Office (847) 740-0888
Fax (847) 740-2888

Benchmark:

No.1: Chiseled Square on S.E. Corner of Headwall.
Headwall is located at the S.E. corner of the intersection
of Newburg Road and Perryville Road. ELEV. 802.16



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Call J.U.L.I.E. 811 or (800) 892-0123 at least 48 hours before start of construction with the following:

County: Winnebago
City or Township: Rockford Township
Tier, Range & Section: T44N, R2E, Sec. 26
Address (if applicable): N/A

The information shown on this drawing concerning type and location of underground utilities is not guaranteed to be accurate or all inclusive. The Contractor is responsible for making their own determinations as to the type and location of underground utilities as may be necessary to avoid damage thereto.

PROFESSIONAL SEAL

Signature: _____
Date: 07/16/26
License Expires: 11/30/26

This document shall not be considered a valid technical submittal unless it bears an original seal and signature.

Base Survey Information provided by:
Winnebago County Highway Department
Winnebago County GIS

No.	Revision/Issue	Date

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PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-002429

Madigane Creek Restoration -
Phase I
Rockford Township, Winnebago
County, Illinois

Cover Sheet

PROJECT NO: 25-0276		SHEET NO:
DESIGNED BY	AEP/ANJ	C1.0
DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

Bid Set

File P:\25000\25-0276\WCHD - Madigan Creek Restoration\05 CAD\25-0276 Madigan Creek Restoration.dwg Plot Date: 7/15/2026 12:59 PM Plotted by: Alex Jorgensen

GENERAL NOTES AND CONSTRUCTION SPECIFICATIONS

- All construction shall be in accordance with the applicable sections of the following, except as modified herein or on the plans:
 - "Standard Specifications for Road and Bridge Construction" (Latest Edition), by the Illinois Department of Transportation (SSRBC) and "Supplemental Specifications and Recurring Special Provisions" (Latest Edition) for all improvements except for sanitary sewer, watermain and plumbing construction;
 - Standard Specifications for Water and Sewer Main Construction in Illinois" (Latest Edition) (SSWS) for sanitary and water main construction;
 - The Winnebago County Surface Water Management Ordinance;
 - Illinois Plumbing Code;
 - International Mechanical Code;
 - In case of conflict between the applicable ordinances noted, the more stringent shall take precedence and shall control all construction.
- The Contractor shall examine all plans and specifications, visit the site of the work and inform themself fully with the work involved, general and local conditions, all Federal, State and local laws, ordinances, rules and regulations and all other pertinent items which may affect the cost and time of completion of this project before submitting a proposal.
- Prior to submitting a bid and beginning construction, the Contractor shall verify the lines and grades shown on the plans. If there are any discrepancies from what is shown on the plans, the Contractor shall immediately report them to the Owner prior to performing the work. The Contractor shall be responsible for coordination of work as required.
- Prior to submitting his bid, the Contractor shall call the attention of the Engineer to any material or equipment he deems inadequate and to any item of work omitted.
- Location of above and belowground utilities shown on plans are for information only and represent the best knowledge of the Engineer. Contractor shall make his own investigations as to location and elevation of all utilities, existing underground structures, cables and pipe lines prior to the start of construction operations.
- If existing utility lines of any nature are encountered which conflict in location with new construction, the Contractor shall notify the Engineer and Owner so that the conflict may be resolved.
- The Contractor shall notify the J.U.L.I.E. (811 or 1-800-892-0123) at least ten days prior to construction so that each utility company can stake out any underground improvements that they may have which might interfere with the proposed construction.
- The Contractor shall be responsible for providing the necessary protection of all existing private and public utilities in conformance with the affected utility company's requirements as may be required to perform the work. Any utility that is damaged during construction shall be repaired or replaced by the Contractor at their own expense to the satisfaction of the Engineer, Owner and/or utility company.
- The Contractor shall be required to make arrangements for the proper bracing, shoring and other required protection of all roadways, buildings, structures, poles, cables and pipe lines, before construction begins. Contractor shall be responsible for any damage to the site, streets, roadway, structures and shall make repairs as necessary to the satisfaction of the Engineer and Owner at the Contractor's own expense.
- The work performed under this contract shall in no way interfere with the normal operation of any existing utility service. The Contractor shall furnish all necessary items of equipment required to maintain such normal operations at no additional expense to the Owner.
- The Contractor shall obtain, erect, maintain and remove all signs, barricades, flagmen and other control devices as may be necessary for the purpose of regulating, warning or guiding traffic. Placement and maintenance of all traffic control devices shall be in accordance with the applicable parts of Article 1106 of the SSRBC, the "Standard Specifications for Traffic Control Items", and IDOT District 2 standards.
- The Contractor shall restore any area disturbed outside the construction site to a condition equal to or better than its original use. This shall include finish grading, establishment of a vegetative cover (seeding or sod), general cleanup and pavement replacement.
- All new and existing utility structures on site and in areas disturbed during construction shall be adjusted to final grade prior to final inspection. No additional compensation shall be paid and said adjustments shall be considered incidental.
- All trenches caused by the construction of sewers, service sewers, piping, utilities, and the excavation around catch basins, manholes, inlets and other appurtenances which occur within the limits of existing or proposed pavements, sidewalks and curb and gutters or where the edge of the trench shall be within two feet (2') of said improvements shall be backfilled with approved suitable select material and properly compacted.
- The Contractor shall be responsible for providing safe and healthful working conditions throughout the construction of the proposed improvements.
- The Contractor shall protect and carefully preserve all section or subsection monuments, lot irons, or other property or reference markers until the Engineer, his agent or an authorized surveyor has witnessed or otherwise referenced their location. Any damages shall be replaced by the Contractor and said cost of replacement shall be paid by the Contractor.
- The Contractor shall provide a written work schedule and shall update said schedule as required. A minimum twenty-four (24) hour notice shall be given for any item that requires approval or inspection.
- The Owner, Owner's Representative, municipality, or regulatory agency shall have the authority to inspect, approve and reject the construction improvements.
- Before acceptance by the Owner and final payment, all work shall be inspected and approved by the Engineer and Owner. Final payments shall be made after all of the Contractor's work has been approved and accepted.
- The Contractor is responsible for coordinating any required inspections with the Owner, Engineer and other agencies.
- If any approved equal items are proposed, the Contractor shall contact the Engineer

for written approval prior to use or installation.

- The Engineer and Owner are not responsible for the construction means, methods, techniques, sequences or procedures, time of performance, programs or for any safety precautions used by the Contractor. The Contractor is solely responsible for execution of his work in accordance with the contract documents and specifications.
- Permits and licenses of a temporary nature necessary for the prosecution of the work shall be secured and paid for by the Contractor.
- The Contractor will have in his possession on the job site a copy of the plans and specifications during construction.
- Special attention is drawn to the fact that Article 105.06 of the SSRBC requires the Contractor to have a competent superintendent on the project site at all times, irrespective of the amount of work sublet. The superintendent shall be capable of reading and understanding the plans and specifications, shall have full authority to execute orders to expedite the project, shall be responsible for scheduling and have control of all work as the agent of the Contractor. Failure to comply with this provision will result in a suspension of work as provided in Article 108.07.
- Record drawings shall be kept by the Contractor and submitted to the Engineer within 30 days of completion of the project, or as mutually agreed upon by the Engineer. Final payments to the Contractor shall be held until they are received. Any changes in length, location or alignment shall be shown in red.
- The Contractor(s) shall indemnify the Owner, Engineer, and their agents, etc. from all liability involved with the construction, installation, or testing of work on the project.
- Contractor is responsible for all site layout, including verification of benchmarks provided within the plans. If the Contractor identifies a discrepancy, it shall be brought to the attention of the Engineer immediately. Winnebago County is not responsible for any rework on the project required due to improper grade stakes or failure of Contractor to verify existing benchmarks.
- Any modifications of a drainage tile shall comply with the Illinois Drainage Code, and Section 15-77.

EARTHWORK AND GRADING CONSTRUCTION

All work done under this heading will be done in accordance with applicable provisions of the "Standard Specifications for Road and Bridge Construction", State of Illinois, Department of Transportation, adopted January 1, 2022.

- Work under this section shall include, but not be limited to, the following:
 - Clearing and removal of all undesirable vegetative growth within the construction area except as noted otherwise on the plans.
 - Excavation and grading of the entire site per plan, including construction of banks, swales, stream meanders, etc. as shown on the plans.
 - Placement and construction of structural and non-structural fills.
 - Removal from site and disposal of any excess or unsuitable material upon completion of mass grading.
 - Movement and compaction of spoil material from the construction of underground utilities.
 - Final shaping and trimming to the lines, grades and cross-sections shown in these plans, and topsoil placement to design finish grade elevations.
 - Soil erosion control measures in accordance with the applicable specifications and county requirements.
- Rolled erosion control products as shown in the construction plans shall be erected prior to commencing earthwork. If deemed necessary or required by a regulatory agency, silt curtains and/or cofferdams shall be used and erected prior to commencing earthwork.
- It is the Contractor's responsibility to determine all material quantities and the Contractor should be familiar with all site conditions. No claims for extra work will be recognized unless ordered in writing by the Owner.
- The grading and construction of the site improvements shall not cause ponding of stormwater except as noted on the plans. All areas adjacent to these improvements shall be graded to allow positive drainage.
- The proposed grading elevations shown on the plans are finish grade. Topsoil is to be placed before finish grade elevations are achieved, except where noted otherwise.
- All disturbed areas are to be seeded or planted as specified on the Landscape Restoration Plans. Any disturbed areas not specified on the Restoration Plans shall be replaced in kind.
- Detailed drawings for any sheeting and bracing shall be provided for review to the Owner's representative prior to implementation of the method. A trench box shall be available on the job site at all times and be utilized in accordance with OSHA standards.
- Suitable excavated materials subject to the review of the Owner's representative may be used to backfill the excavated areas of the site; unless shown otherwise.
- No underground work shall be covered until it has been reviewed by Engineer.

IN-STREAM WORK

Contractor shall submit an in-stream work plan to be reviewed by the Owner and/or Engineer. No work shall begin within the creek until the plan has been approved.

The in-stream work plan shall include detail on how the work associated with the proposed stream re-alignments and meanders will be completed, specifically related to water management in the meander areas during construction and introduction of upstream flow into the meanders upon completion.

The in-stream work plan shall also include details on how in-stream earthwork shall be completed during a dry period, with no rain anticipated, so as to minimize the amount of water management required and the potential for damage to adjacent structures/ground.

STORM DRAIN CONSTRUCTION

All work done under this heading will be done in accordance with applicable provisions of the "Standard Specifications for Road and Bridge Construction", State of Illinois, Department of Transportation, adopted January 1, 2022, and the notes in the plan.

- Storm sewers shall be Corrugated High Density Polyethylene (HDPE) or Reinforced Concrete Pipe (RCP), as indicated on the plans. HDPE pipes shall be constructed in accordance with AASHTO Specification M252 and M294, or ASTM F2306. RCP shall be constructed in accordance with AASHTO M170 or ASTM C76.
- Where storm sewer extensions are shown, end section shall be removed and reinstalled as indicated with approval of Engineer. Pipe shall be removed to next upstream joint and new pipe installed per SSRBC/SSWS.
- Where Contractor encounters buried private yard drains during earthwork activities, Contractor shall trim pipes back to the proposed bank surface. If said pipes are damaged during construction, Contractor shall replace existing pipes by a method approved by the Owner and Engineer. The cost of this work shall be considered incidental to the cost of construction.
- Structures for storm drains shall be in accordance with the plans and the applicable standard specifications. Where granular trench backfill is required around these structures, the cost shall be considered as incidental and shall be included in the contract unit price for the structure.

SEDIMENTATION AND EROSION CONTROL NOTES

All soil erosion and sedimentation control measures shall be in accordance with the "Standard Specifications for Road and Bridge Construction", State of Illinois, Department of Transportation, adopted January 1, 2022, and the codes and ordinances of the local municipal and county agencies.

- Soil disturbance shall be conducted in such a manner as to minimize erosion. Soil stabilization measures shall consider the time of year, site conditions and the use of temporary or permanent measures.
- Soil erosion and sediment control features shall be constructed prior to the commencement of disturbance.
- Temporary soil stabilization shall be applied to disturbed areas within 7 calendar days of the end of the active hydrologic disturbance. Permanent stabilization shall be completed within 14 days after completion of final grading of the soil.
- All storm sewer facilities that are or will be functioning during construction shall be protected, filtered or otherwise treated to remove sediment.
- All temporary erosion and sediment control measures shall be removed within 30 days after final site stabilization is achieved or after temporary measures are no longer needed. Trapped sediment and other disturbed soil areas shall be permanently stabilized.
- All temporary and permanent erosion control measures must be maintained and repaired as needed. The Contractor will be responsible for inspection and repair during construction. The Owner will be responsible if erosion control is required after the Contractor has completed the project.
- The erosion control measures indicated on the plans are the minimum requirements. Additional measures may be required as directed by the Engineer, Owner, or governing agency.
- Trees that are not to be removed but are in the vicinity of the disturbed area shall be protected per the tree protection detail. The Owner/Engineer shall mark trees for protection prior to the start of earth disturbance activities. The cost of this work shall be considered incidental to the cost of construction.
- No spoils, building materials, backfill, dumpsters, construction equipment, etc... shall be stored or parked within the parkway tree drip lines.
- Project shall be constructed from downstream to upstream so that the proposed grade control structures can act as sediment traps for subsequent upstream work.

LANDSCAPING NOTES

All work done under this heading will be done in accordance with applicable provisions of the "Standard Specifications for Road and Bridge Construction", State of Illinois, Department of Transportation, adopted January 1, 2022, and the notes in the plan.

- Contractor shall provide material certificates for each mix, container, and/or batch, signed by supplier.
- All plant materials used during this portion of the work shall meet or exceed applicable federal, state, county and local laws and regulations. Native species shall be true to their botanic name as specified, and shall follow the USDA PLANTS Database.
- All native species shall be of local ecotype, and have a genetic origin within a 200-mile radius of the project site.
- All trees shall be grown nursery stock, at least two years old.
- If area to be seeded or planted was treated with herbicide, seed and plant installation shall occur no less than 14 days after herbicide application.
- Trees shall be planted at the direction of the Owner/Engineer. Payment shall be granted on a per tree basis. Final quantities of each of the four tree species shall be provided by the Owner/Engineer.

DEMOLITION NOTES

- Fence removal and replacement, as shown on the plans, shall be in-kind. Fence materials may be re-used as replacement fencing if approved by the Owner/Engineer. Replacement fences shall be constructed 12" house-ward of the drainage easement limit.
- Trees with drip lines within the grading limits that are not otherwise marked for protection shall be removed by the Contractor. Contractor shall note that the removed trees are intended for use elsewhere in the project in the Root Wad Bank Stabilization and Coarse Woody Debris Grade Control structures and that tree removal means and methods should reflect the material needs for tree re-use, such as length of material and presence or absence of the tree roots. The cost of harvesting material for the Root Wad Bank Stabilization and the Coarse Woody Debris Grade Control structures shall be included in their respective pay items. The cost of the remaining tree removal shall be reflected in the tree removal pay items.

STANDARD LINETYPES	
	Property Line
	Right-of-Way Line
	Contours (Existing - County)
	Contours (Existing - Surveyed)
	Contours (Proposed)
	FEMA Floodway
	FEMA Floodplain
	Edge of Water
	High Water Line
	Normal Water Line
	Ordinary High Water Mark
	Wetland Boundary
	Wetland Buffer
	Storm Sewer (Existing)
	Storm Sewer (Proposed)
	Underdrain (Existing)
	Underdrain (Proposed)
	Sanitary Sewer (Existing)
	Sanitary Sewer (Proposed)
	Sanitary Force Main (Existing)
	Sanitary Force Main (Proposed)
	Combined Sewer (Existing)
	Combined Sewer (Proposed)
	Water Main (Existing)
	Water Main (Proposed)
	Gas Main
	Electric Line
	Telephone Line
	Cable TV Line
	Fiber Optic Line
	Aerial/Overhead Wire
	Tree/Vegetation Line
	Demolition - Remove
	Fence - Chain Link
	Fence - Metal (Non-Chain Link)
	Fence - Wood
	Guardrail
	Silt Fence
	Perimeter Erosion Barrier
	Floating Silt Curtain
	Tree Protection Fence
	Grading Limits
	Construction Fence
	Construction Access Route

STANDARD SYMBOLS		
EX.	PR.	
		Inlet (INL)
		Catch Basin (CB)
		Storm Manhole (MH)
		Flared End Section (FES) - RCP
		Flared End Section (FES) - Metal
		Sanitary Manhole
		Utility Pole
		Light
		Benchmark
		Control Point
		Demolition - Removal
		Inlet Protection

LEGEND

No.	Revision/Issue	Date
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Hey and Associates, Inc.

Engineering, Ecology and Landscape Architecture

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PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-002429

Madigan Creek Restoration - Phase I

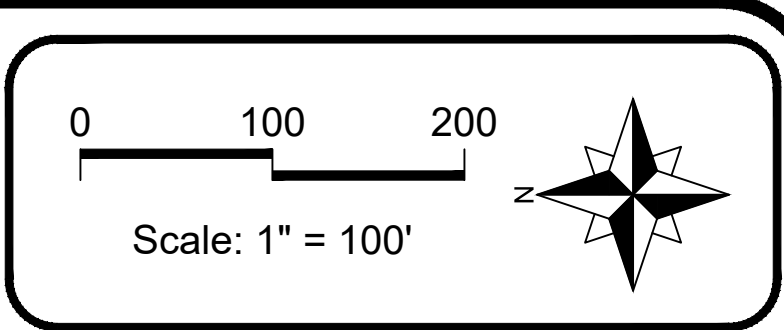
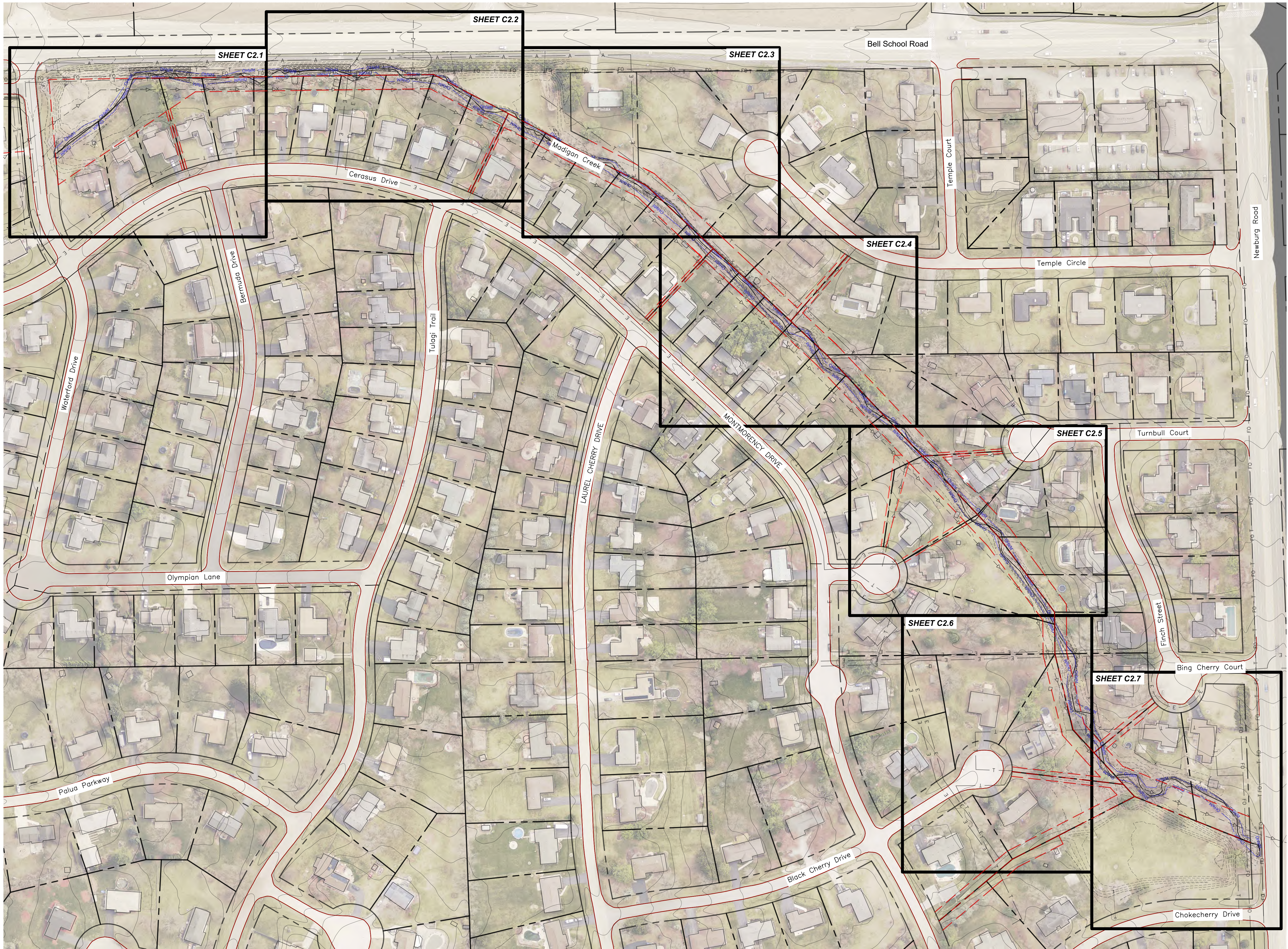
Rockford Township, Winnebago County, Illinois

Notes

PROJECT NO: 25-0276		SHEET NO:	
DESIGNED BY	AEP/ANJ	C1.1	
DRAWN BY	ANJ		
CHECKED BY	AEP		
APPROVED BY	DAK		
ISSUE DATE	07/16/2026		

Bid Set

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LEGEND	
	Parcel Boundary
	Drainage Easement
	1ft Existing Surveyed Contours
	2ft Existing County Contours
	Existing Edge of Pavement
	Existing Underground Electric
	Existing Fiber Optic
	Existing Overhead Electric
	Ordinary High Water Mark
	Existing Sanitary Sewer
	Existing Storm Sewer
	Existing Telecommunications
	Existing Fence
	Existing Riprap
	Existing Manhole
	Existing Flared End Section (FES)

No.	Revision/Issue	Date
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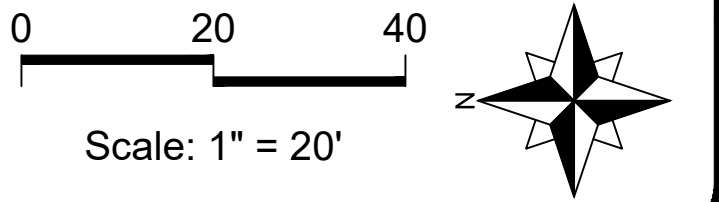
Overall Existing Conditions

PROJECT NO: 25-0276		SHEET NO:
DESIGNED BY	AEP/ANJ	C2.0
DRAWN BY	ANJ	
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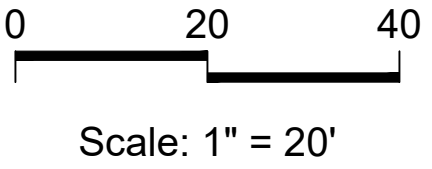
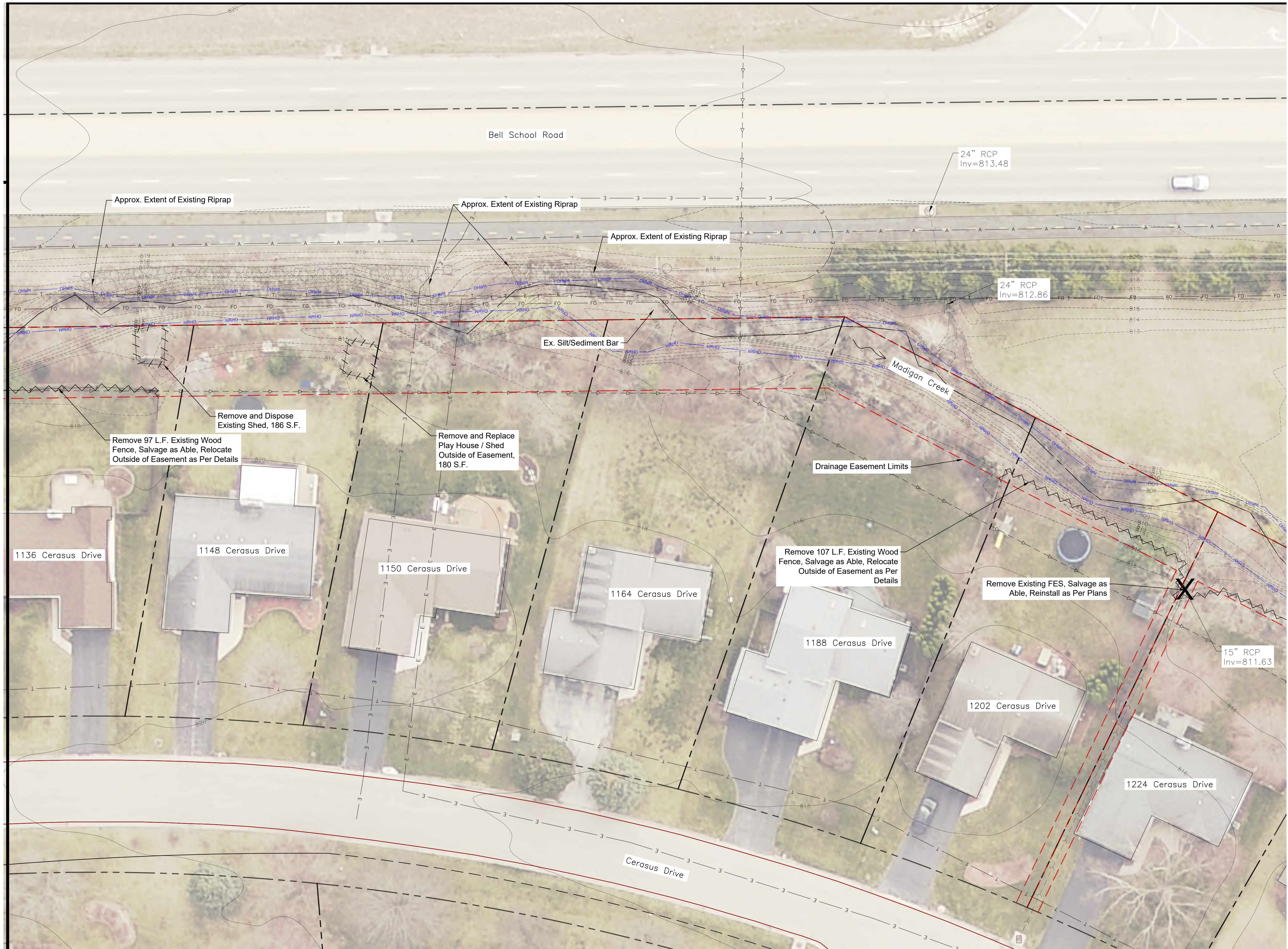
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Existing Conditions and Demolition Plan

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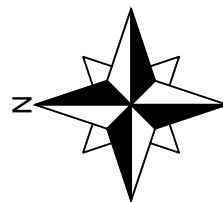
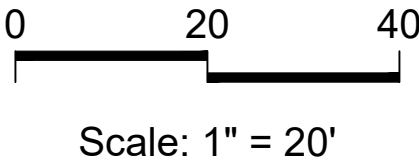
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Existing Conditions and Demolition Plan

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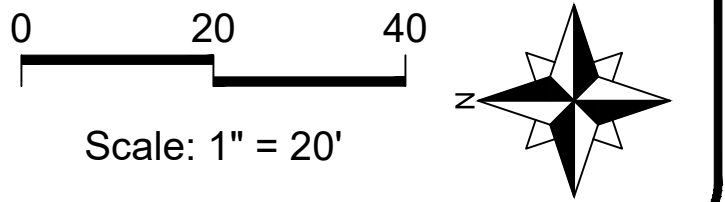
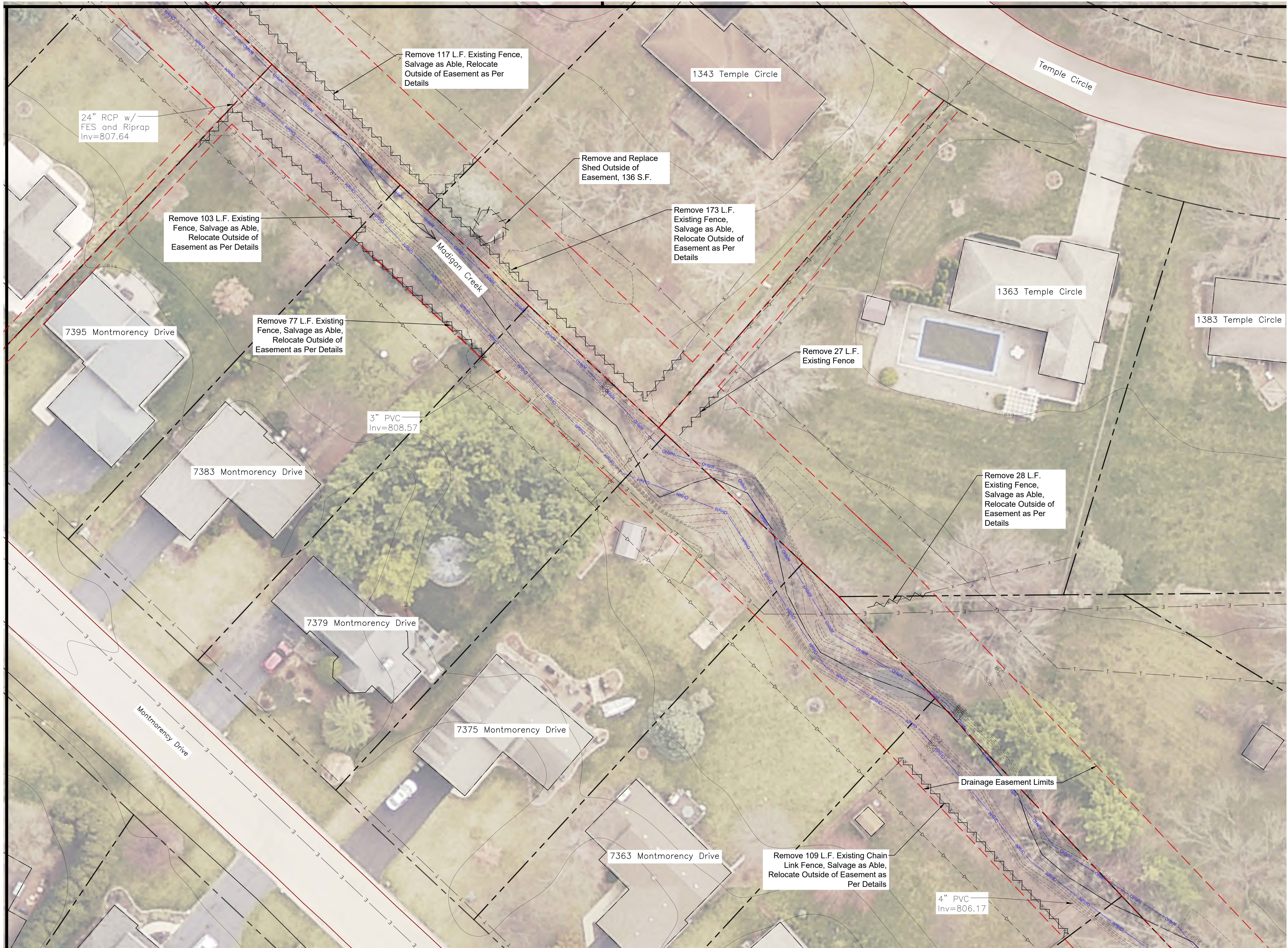
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Existing Conditions and Demolition Plan

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- 2ft Existing County Contours
- Existing Edge of Pavement
- Existing Underground Electric
- Existing Fiber Optic
- Existing Overhead Electric
- Ordinary High Water Mark
- Existing Sanitary Sewer
- Existing Storm Sewer
- Existing Telecommunications
- Existing Riprap
- Existing Manhole
- Existing Flared End Section (FES)

No.	Revision/Issue	Date
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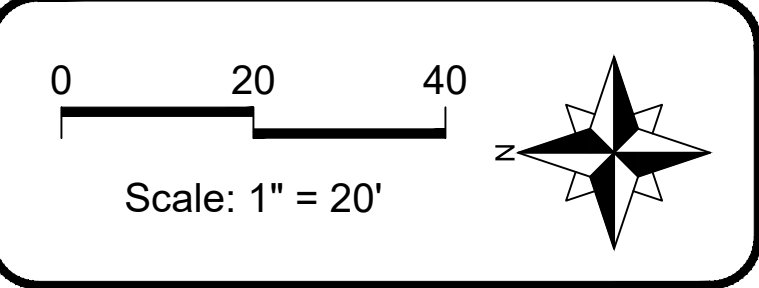
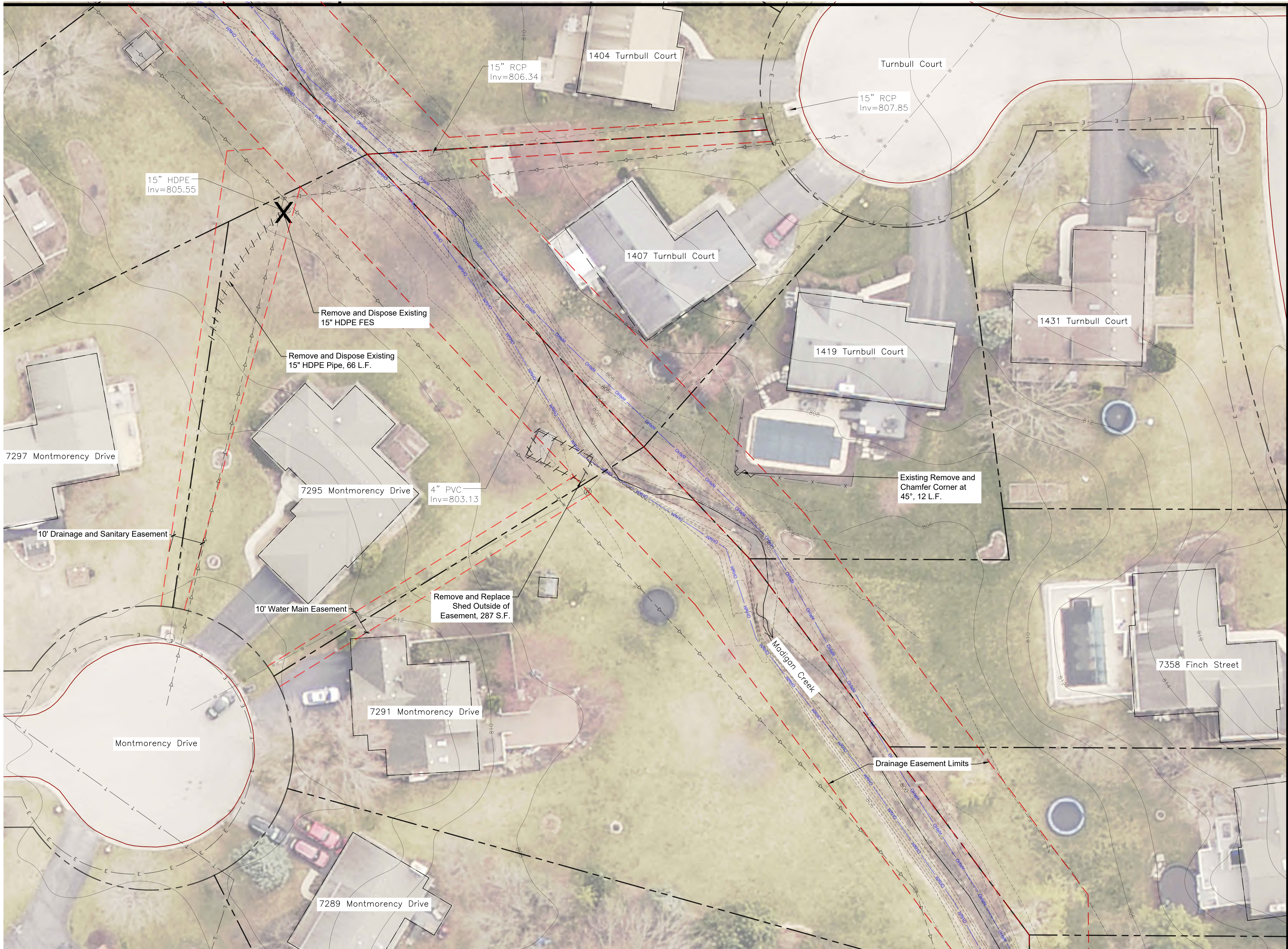
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26575 WEST COMMERCE DRIVE, SUITE 601
VOLO, ILLINOIS 60073
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FAX (847) 740-2888
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PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-002429

Madigan Creek Restoration - Phase I
Rockford Township, Winnebago County, Illinois

Existing Conditions and Demolition Plan

PROJECT NO:	25-0276	SHEET NO:
DESIGNED BY:	AEP/ANJ	C2.4
DRAWN BY:	ANJ	
CHECKED BY:	AEP	
APPROVED BY:	DAK	
ISSUE DATE:	07/16/2026	

Bid Set



LEGEND	
	Parcel Boundary
	Drainage Easement
	1ft Existing Surveyed Contours
	2ft Existing County Contours
	Existing Edge of Pavement
	Existing Underground Electric
	Existing Fiber Optic
	Existing Overhead Electric
	Ordinary High Water Mark
	Existing Sanitary Sewer
	Existing Storm Sewer
	Existing Telecommunications
	Existing Watermain
	Existing Riprap
	Existing Manhole
	Existing Flared End Section (FES)
	Existing Water Vault Valve

No.	Revision/Issue	Date
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LICENSE NO. 184-002429

Madigan Creek Restoration - Phase I
Rockford Township, Winnebago County, Illinois

Existing Conditions and Demolition Plan

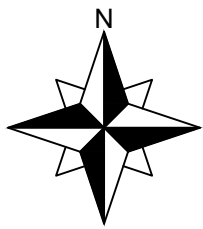
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DESIGNED BY	AEP/ANJ	C2.5
DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

Bid Set



0 20 40

Scale: 1" = 20'



LEGEND

- Parcel Boundary
- Drainage Easement
- 1ft Existing Surveyed Contours
- 2ft Existing County Contours
- Existing Edge of Pavement
- Existing Underground Electric
- Existing Fiber Optic
- Existing Overhead Electric
- Ordinary High Water Mark
- Existing Sanitary Sewer
- Existing Storm Sewer
- Existing Telecommunications
- Existing Riprap
- Existing Manhole
- Existing Flared End Section (FES)

No.	Revision/Issue	Date
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LICENSE NO. 184-002429

Madigan Creek Restoration - Phase I

Rockford Township, Winnebago County, Illinois

Existing Conditions and Demolition Plan

PROJECT NO: 25-0276		SHEET NO:	
DESIGNED BY	AEP/ANJ	C2.6	
DRAWN BY	ANJ		
CHECKED BY	AEP		
APPROVED BY	DAK		
ISSUE DATE	07/16/2026		

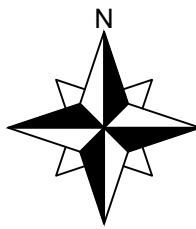
Bid Set

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0 20 40

Scale: 1" = 20'



LEGEND

- Parcel Boundary
- Drainage Easement
- 1ft Existing Surveyed Contours
- 2ft Existing County Contours
- Existing Edge of Pavement
- Existing Underground Electric
- Existing Fiber Optic
- Existing Overhead Electric
- Ordinary High Water Mark
- Existing Sanitary Sewer
- Existing Storm Sewer
- Existing Telecommunications
- Existing Riprap
- Existing Manhole
- Existing Flared End Section (FES)

No.	Revision/Issue	Date
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PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-002429

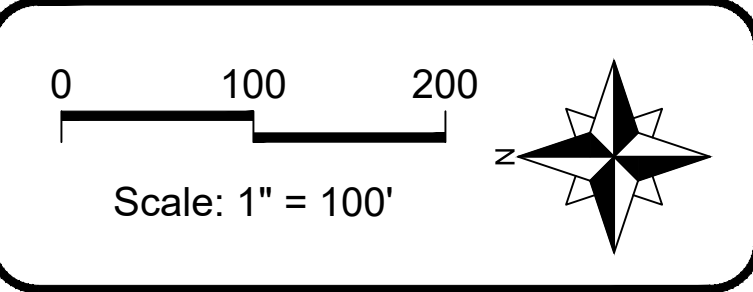
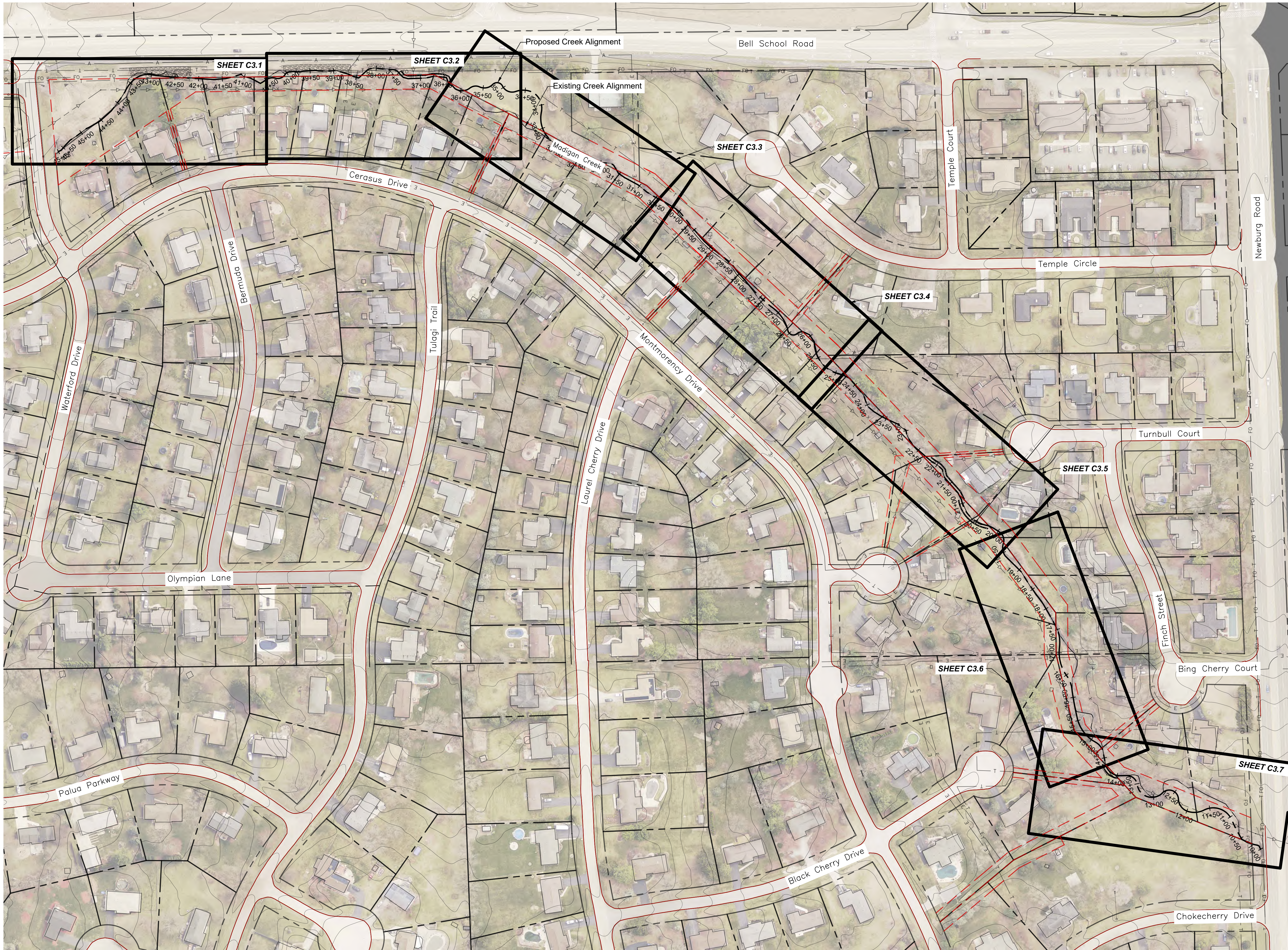
Madigan Creek Restoration - Phase I

Rockford Township, Winnebago County, Illinois

Existing Conditions and Demolition Plan

PROJECT NO: 25-0276		SHEET NO:
DESIGNED BY	AEP/ANJ	C2.7
DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

Bid Set



LEGEND		
	Parcel Boundary	
	Drainage Easement	
	1ft Existing Surveyed Contours	
	2ft Existing County Contours	
	Existing Edge of Pavement	
	Existing Underground Electric	
	Existing Fiber Optic	
	Existing Overhead Electric	
	Ordinary High Water Mark	
	Existing Storm Sewer	
	Existing Sanitary	
	Existing Telecommunications	
	Existing Fence	
	Existing Riprap	
	Existing Manhole	
	Existing Flared End Section (FES)	
	Proposed Channel Centerline	

No.	Revision/Issue	Date
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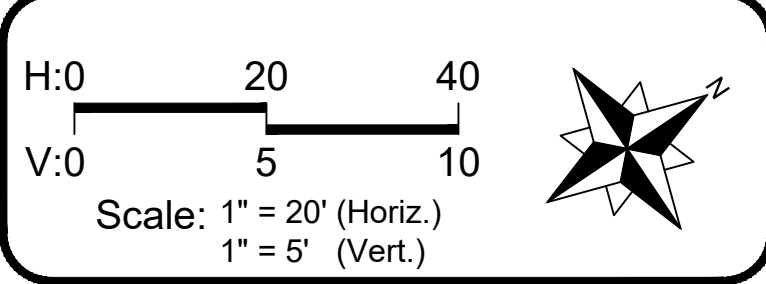
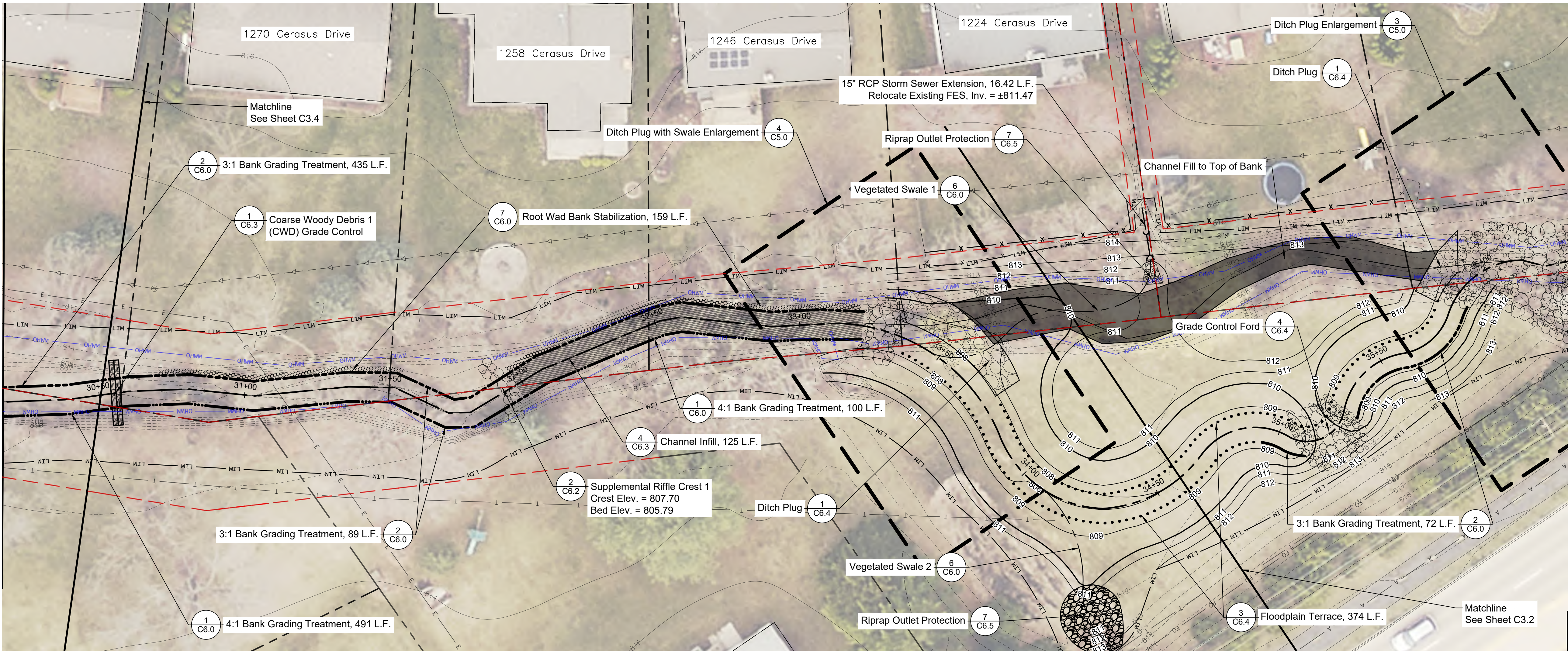
Madigan Creek Restoration -
Phase I

Rockford Township, Winnebago
County, Illinois

Overall Layout Plan

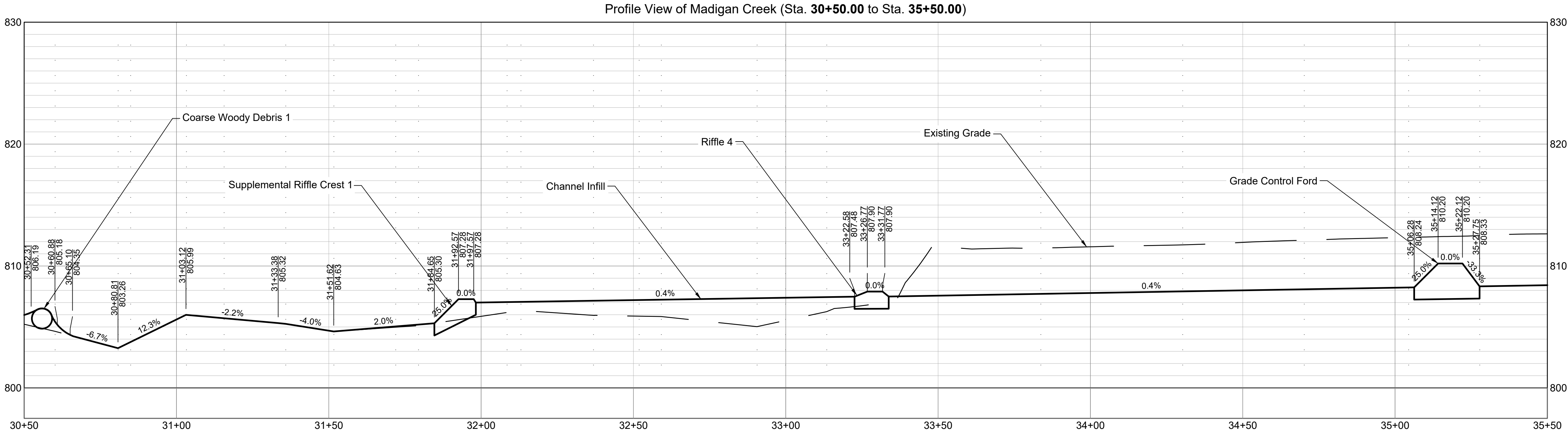
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DESIGNED BY	AEP/ANJ	C3.0
DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

Bid Set



LEGEND		
	Parcel Boundary	
	Drainage Easement	
	1ft Existing Surveyed Contours	
	Ordinary High Water Mark	
	Grading Limits	
	Existing Sanitary	
	1ft Proposed Contours	
	3:1 Bank Grading Treatment	
	4:1 Bank Grading Treatment	
	Top Dress Riprap	
	Floodplain Terrace	
	Proposed Channel Centerline	
	Proposed Fence Line	
	Stone Toe and Bank Re-Grading	
	Root-Wad Toe	
	Grade Control Riffle	

No.	Revision/Issue	Date



Note: Stationing Shown is Proposed Creek Alignment. Elevations Shown are Proposed.

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LICENSE NO. 184-002429

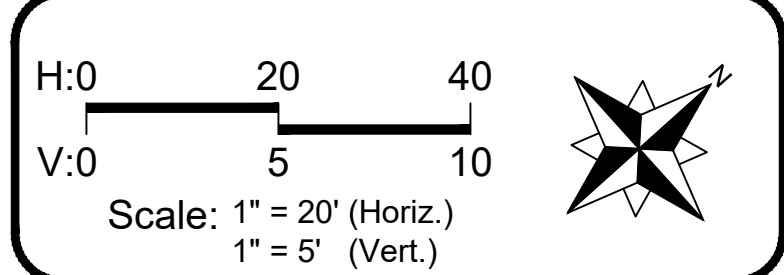
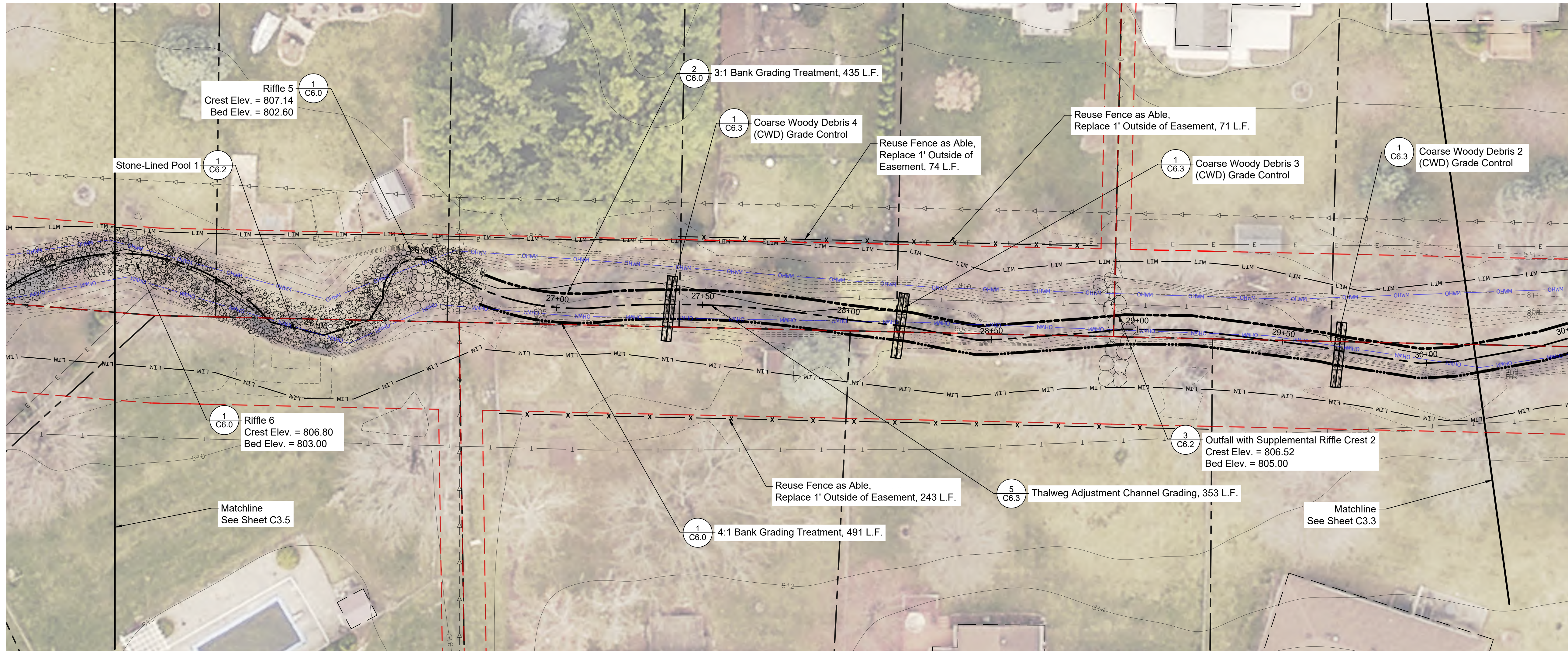
Madigan Creek Restoration - Phase I
Rockford Township, Winnebago County, Illinois

Plan and Profile

PROJECT NO: 25-0276		SHEET NO: C3.3
DESIGNED BY	AEP/ANJ	
DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

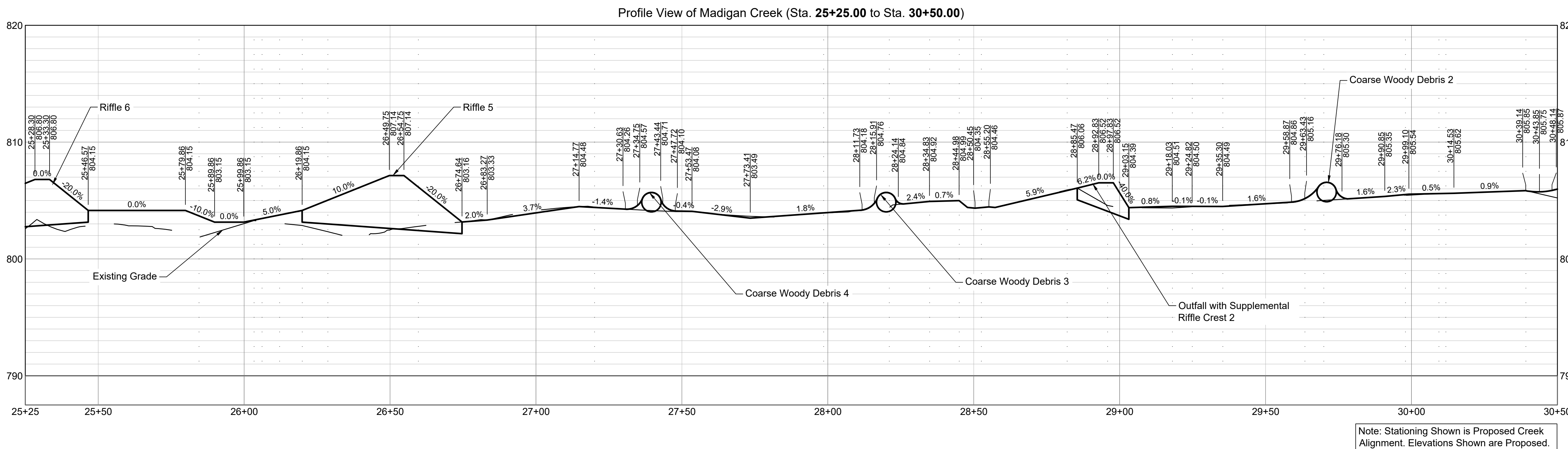
Bid Set

File P:\25000\25-0276 WCHD - Madigan Creek Restoration\05 CAD\25-0276 Madigan Creek Restoration.dwg Plot Date: 7/15/2026 12:59 PM Plotted by: Alex Jorgensen



LEGEND		
---	Parcel Boundary	
- - -	Drainage Easement	
- - -	1ft Existing Surveyed Contours	
OHWM	Ordinary High Water Mark	
LIM	Grading Limits	
- - -	Existing Sanitary	
- - -	1ft Proposed Contours	
---	3:1 Bank Grading Treatment	
---	4:1 Bank Grading Treatment	
---	Top Dress Riprap	
---	Floodplain Terrace	
---	Proposed Channel Centerline	
X X	Proposed Fence Line	
---	Stone Toe and Bank Re-Grading	
---	Root-Wad Toe	
---	Grade Control Riffle	

No.	Revision/Issue	Date



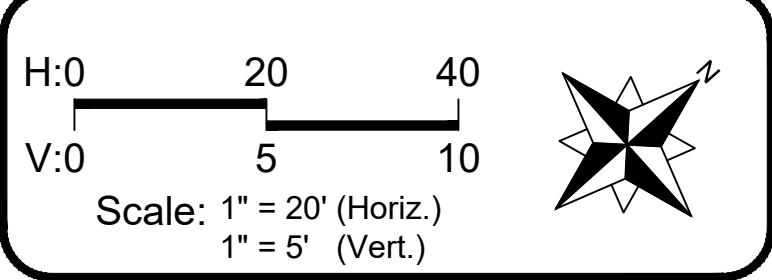
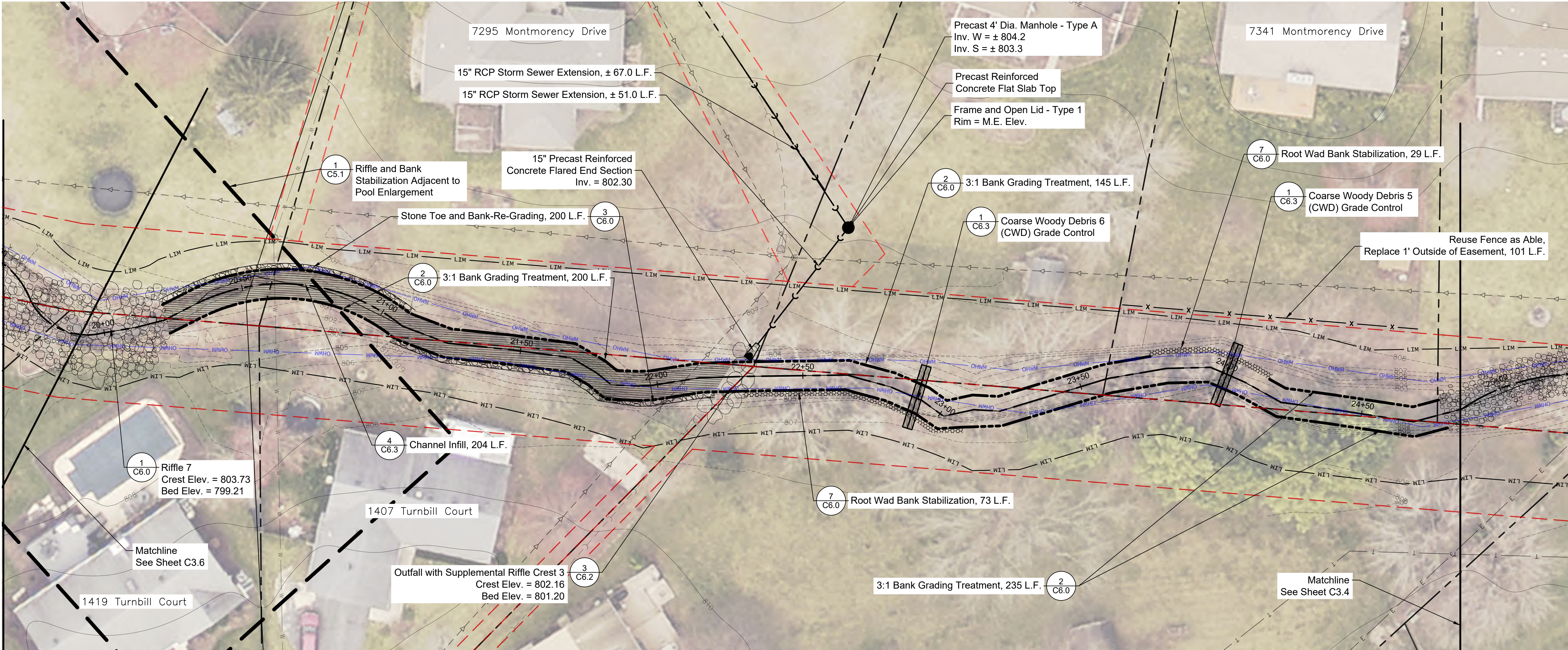
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LICENSE NO. 184-002429

Madigan Creek Restoration - Phase I
Rockford Township, Winnebago County, Illinois

Plan and Profile

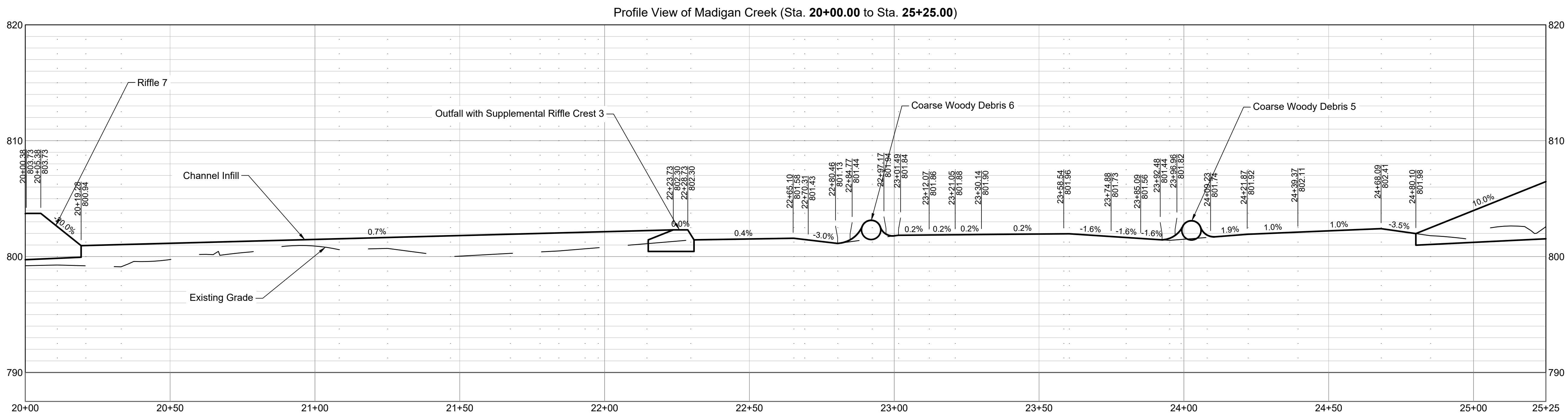
PROJECT NO: 25-0276		SHEET NO: C3.4
DESIGNED BY	AEP/ANJ	
DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

Bid Set



LEGEND		
	Parcel Boundary	
	Drainage Easement	
	1ft Existing Surveyed Contours	
	Ordinary High Water Mark	
	Grading Limits	
	Existing Sanitary	
	1ft Proposed Contours	
	3:1 Bank Grading Treatment	
	4:1 Bank Grading Treatment	
	Top Dress Riprap	
	Floodplain Terrace	
	Proposed Channel Centerline	
	Proposed Fence Line	
	Stone Toe and Bank Re-Grading	
	Root-Wad Toe	
	Grade Control Riffle	

No.	Revision/Issue	Date



Note: Stationing Shown is Proposed Creek Alignment. Elevations Shown are Proposed.

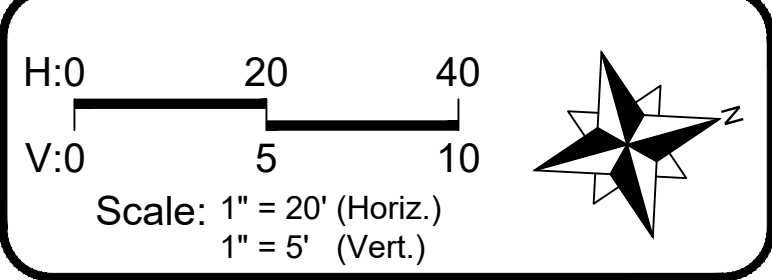
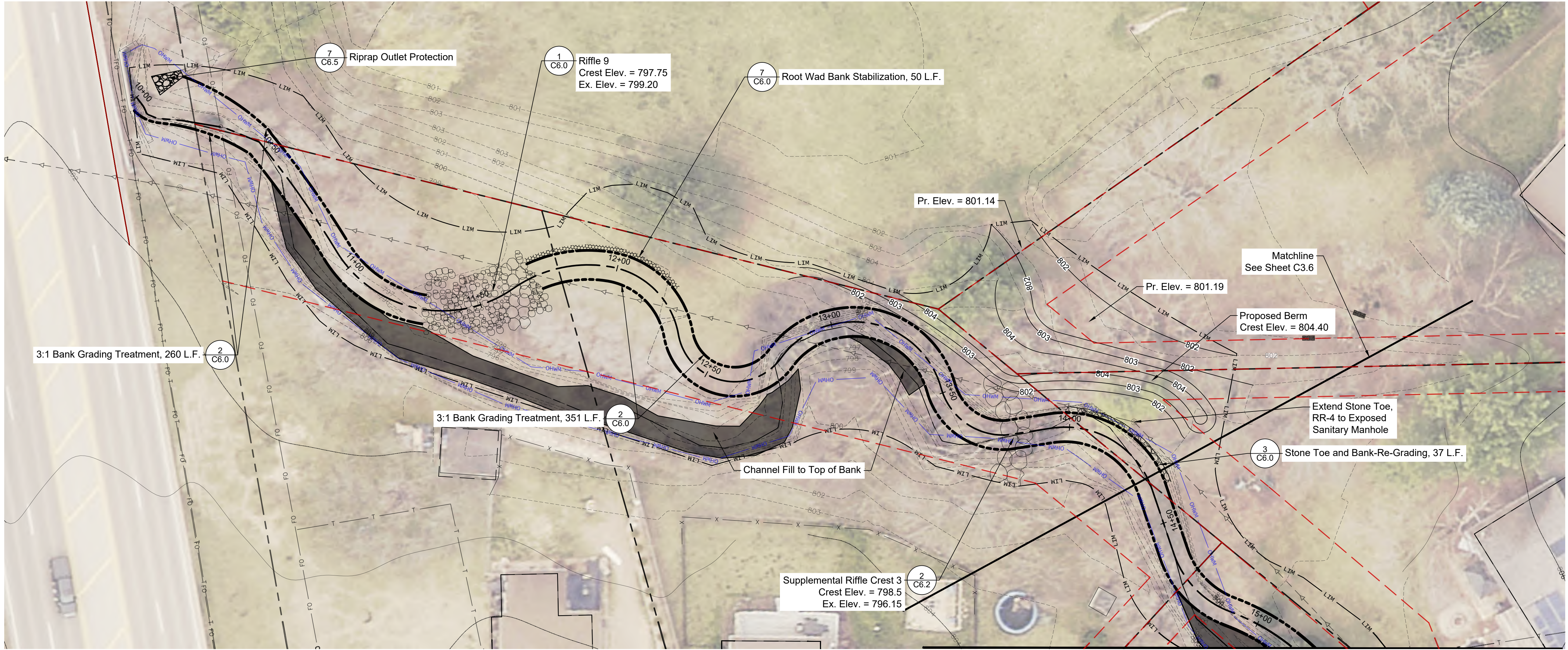
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LICENSE NO. 184-002429

Madigan Creek Restoration - Phase I
Rockford Township, Winnebago County, Illinois

Plan and Profile

PROJECT NO: 25-0276		SHEET NO: C3.5
DESIGNED BY	AEP/ANJ	
DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

Bid Set



LEGEND		
	Parcel Boundary	
	Drainage Easement	
	1ft Existing Surveyed Contours	
	Ordinary High Water Mark	
	Grading Limits	
	Existing Sanitary	
	1ft Proposed Contours	
	3:1 Bank Grading Treatment	
	4:1 Bank Grading Treatment	
	Top Dress Riprap	
	Floodplain Terrace	
	Proposed Channel Centerline	
	Proposed Fence Line	
	Stone Toe and Bank Re-Grading	
	Root-Wad Toe	
	Grade Control Riffle	

No.	Revision/Issue	Date

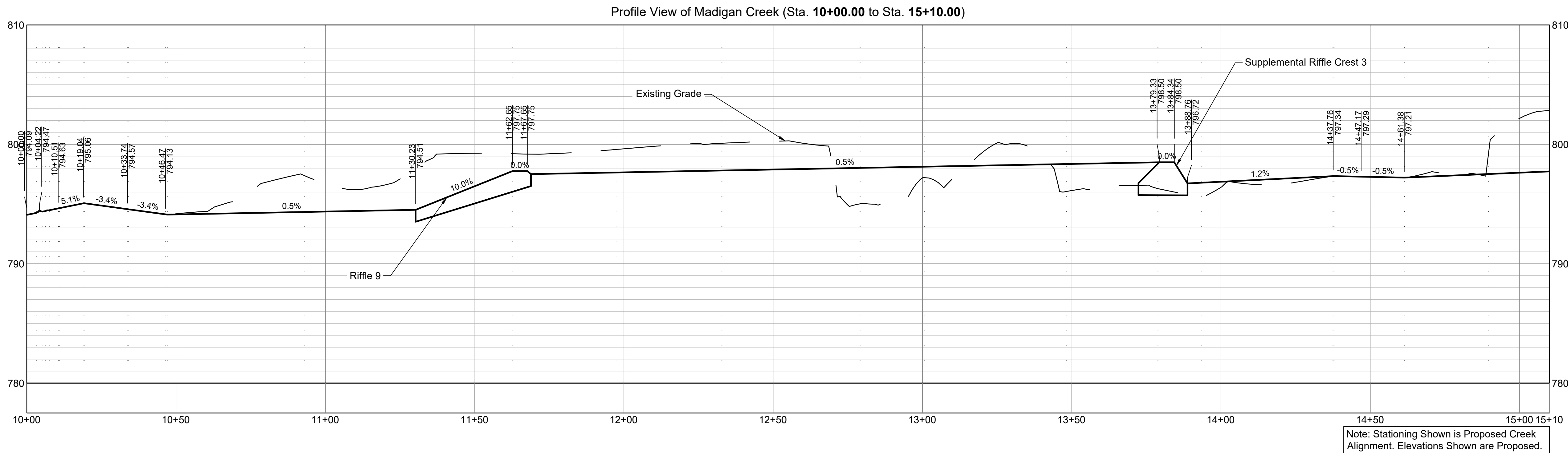
Hey and Associates, Inc.
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OFFICE (847) 740-0888
FAX (847) 740-2888
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LICENSE NO. 184-002429

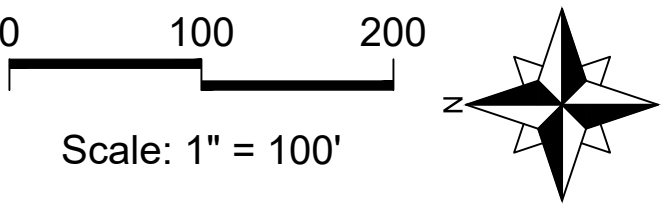
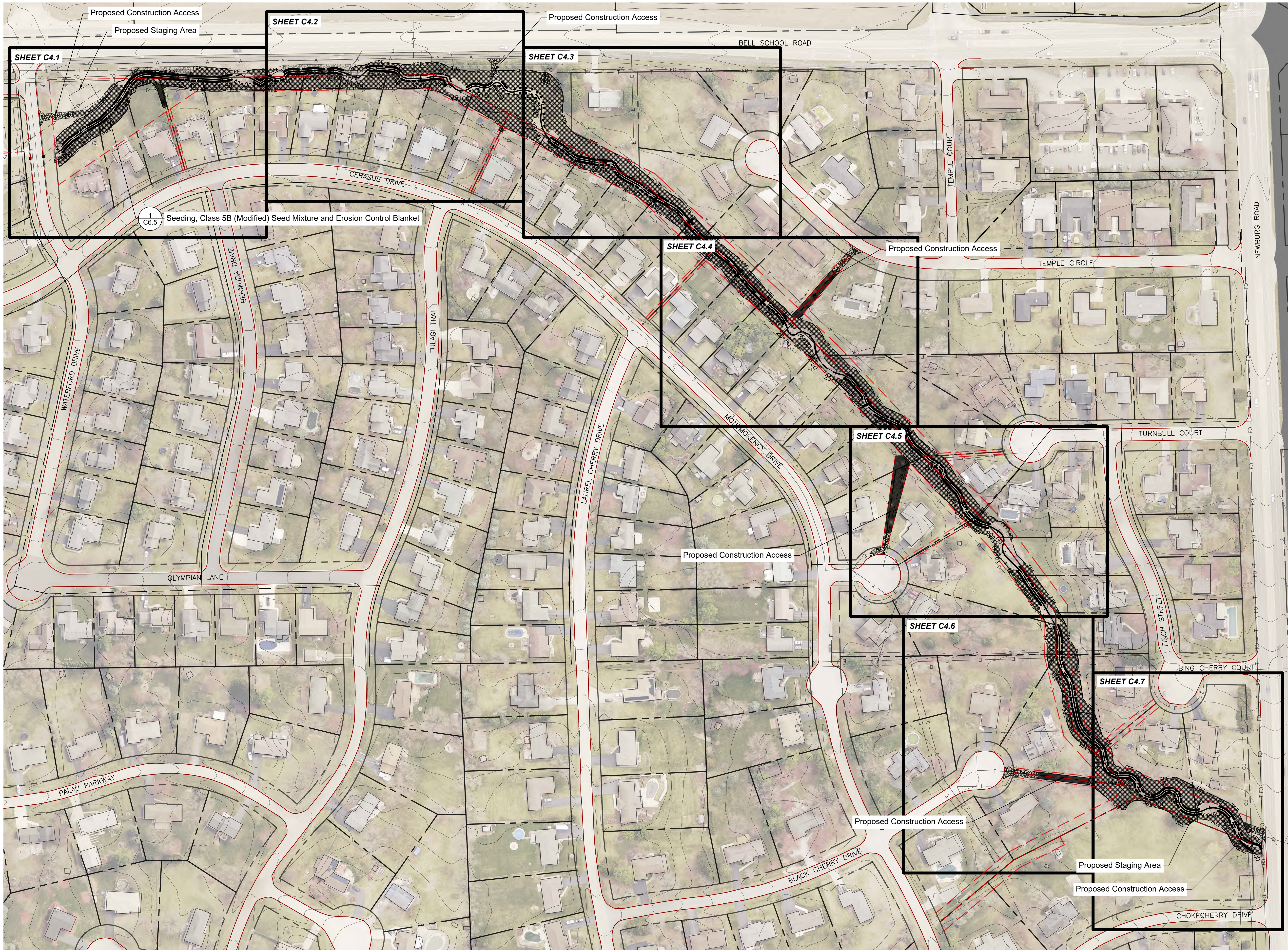
Madigan Creek Restoration - Phase I
Rockford Township, Winnebago County, Illinois

Plan and Profile

PROJECT NO: 25-0276		SHEET NO:
DESIGNED BY	AEP/ANJ	C3.7
DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

Bid Set





LEGEND

- Parcel Boundary
- Drainage Easement
- 1ft Existing County Contours
- 1ft Existing Surveyed Contours
- Existing Edge of Pavement

No.	Revision/Issue	Date

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LICENSE NO. 184-002429

Madigan Creek Restoration -
Phase I

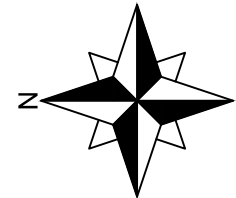
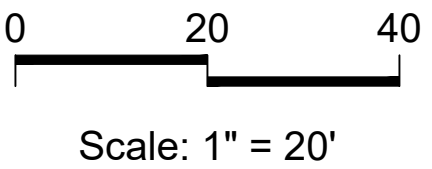
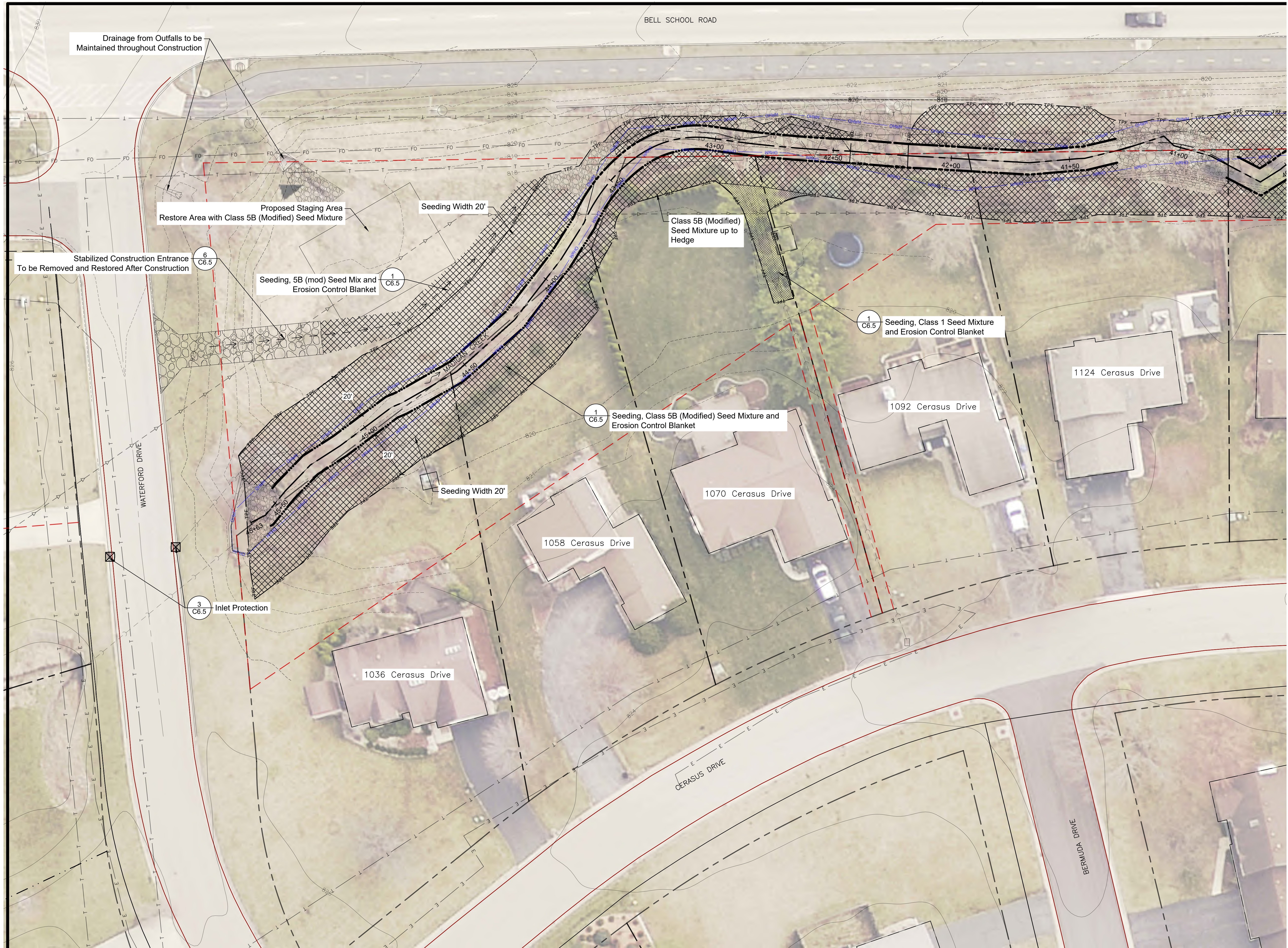
Rockford Township, Winnebago
County, Illinois

Overall Landscape
Restoration and SESC Plan

PROJECT NO: 25-0276		SHEET NO: C4.0
DESIGNED BY	AEP/ANJ	
DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

Bid Set

File: P:\25000\25-0276\WCHD - Madigan Creek Restoration\05 CAD\25-0276 Madigan Creek Restoration.dwg Plot Date: 7/15/2026 12:59 PM Plotted by: Alex Jorgensen



LEGEND

- Parcel Boundary
- Drainage Easement
- 1ft Existing County Contours
- 1ft Existing Surveyed Contours
- Existing Edge of Pavement
- Construction Access Route

Access Notes:
A proposed staging and access plan is shown. Contractor may prepare an alternate staging and access plan for approval by the Owner/Engineer.

No.	Revision/Issue	Date

Hey and Associates, Inc.

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VOLO, ILLINOIS 60073
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PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-002429

Madigan Creek Restoration - Phase I

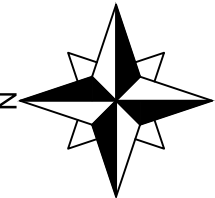
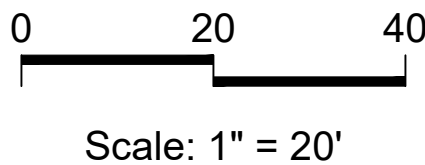
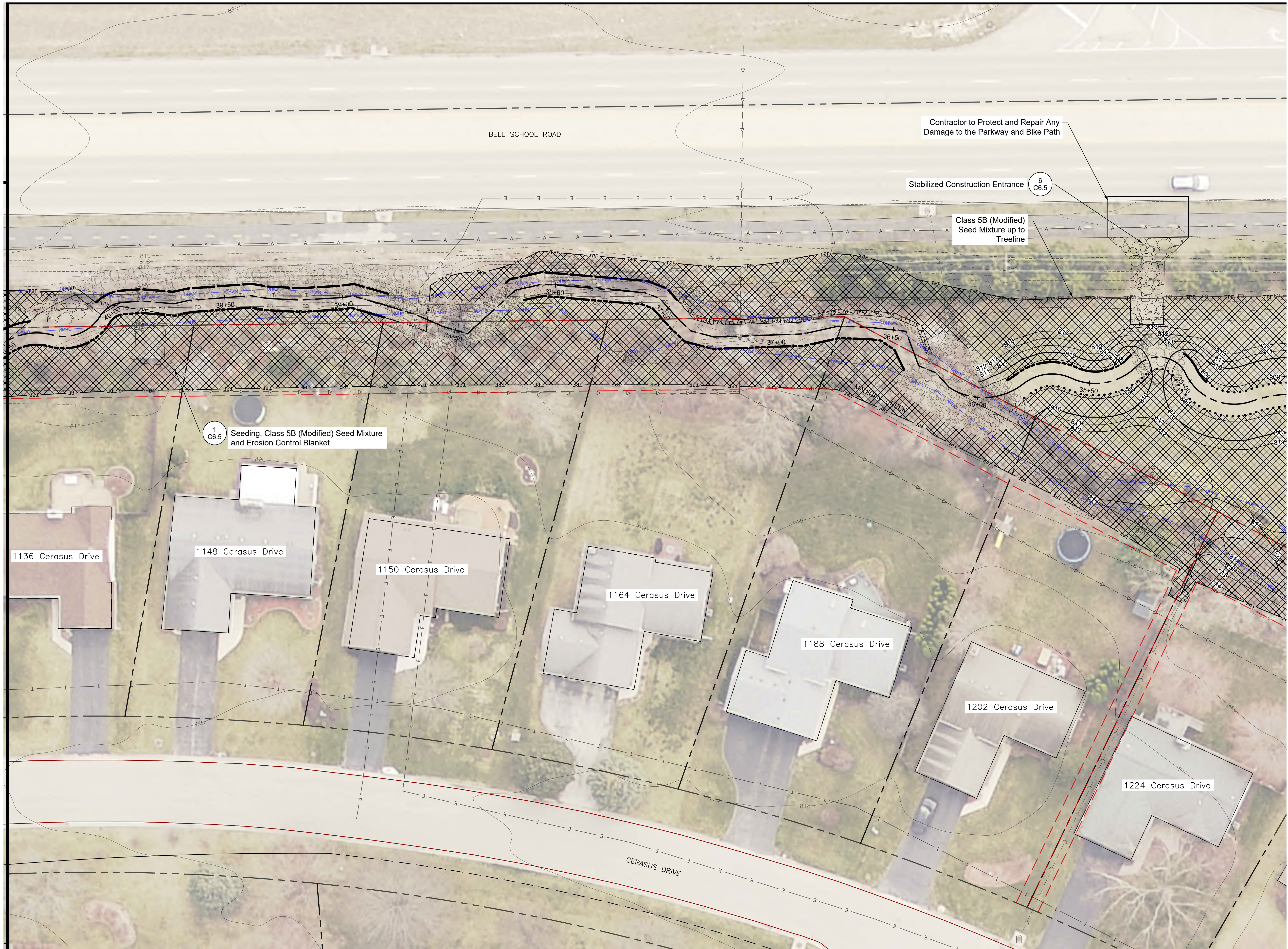
Rockford Township, Winnebago County, Illinois

Landscape Restoration and SESC Plan

PROJECT NO: 25-0276		SHEET NO:
DESIGNED BY	AEP/ANJ	C4.1
DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

Bid Set

File P:\25000\25-0276 WCHD - Madigan Creek Restoration\05 CAD\25-0276 Madigan Creek Restoration.dwg Plot Date: 7/15/2026 12:59 PM Plotted by: Alex Jorgensen



LEGEND

- Parcel Boundary
- Drainage Easement
- 1ft Existing County Contours
- 1ft Existing Surveyed Contours
- Existing Edge of Pavement
- Construction Access Route

Access Notes:
A proposed staging and access plan is shown. Contractor may prepare an alternate staging and access plan for approval by the Owner/Engineer.

No.	Revision/Issue	Date
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Hey and Associates, Inc.

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PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-002429

Madigan Creek Restoration -
Phase I

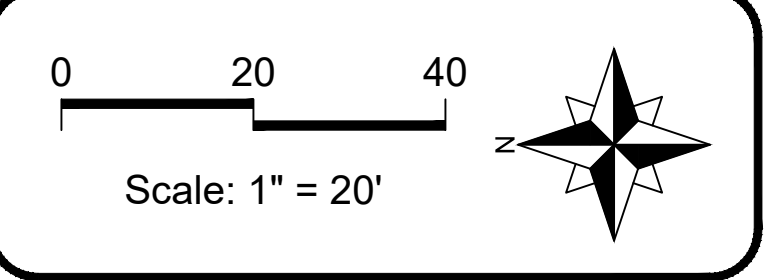
Rockford Township, Winnebago
County, Illinois

Landscape Restoration and
SESC Plan

PROJECT NO: 25-0276		SHEET NO:
DESIGNED BY	AEP/ANJ	C4.2
DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

Bid Set

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LEGEND	
	Parcel Boundary
	Drainage Easement
	1ft Existing County Contours
	1ft Existing Surveyed Contours
	Existing Edge of Pavement
	Construction Access Route

Access Notes:
A proposed staging and access plan is shown. Contractor may prepare an alternate staging and access plan for approval by the Owner/Engineer.

No.	Revision/Issue	Date

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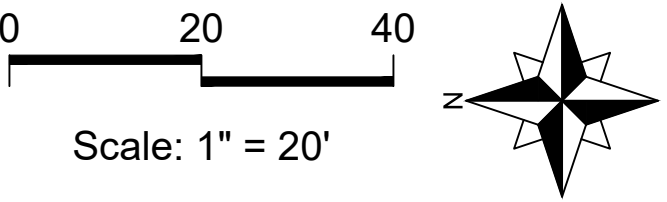
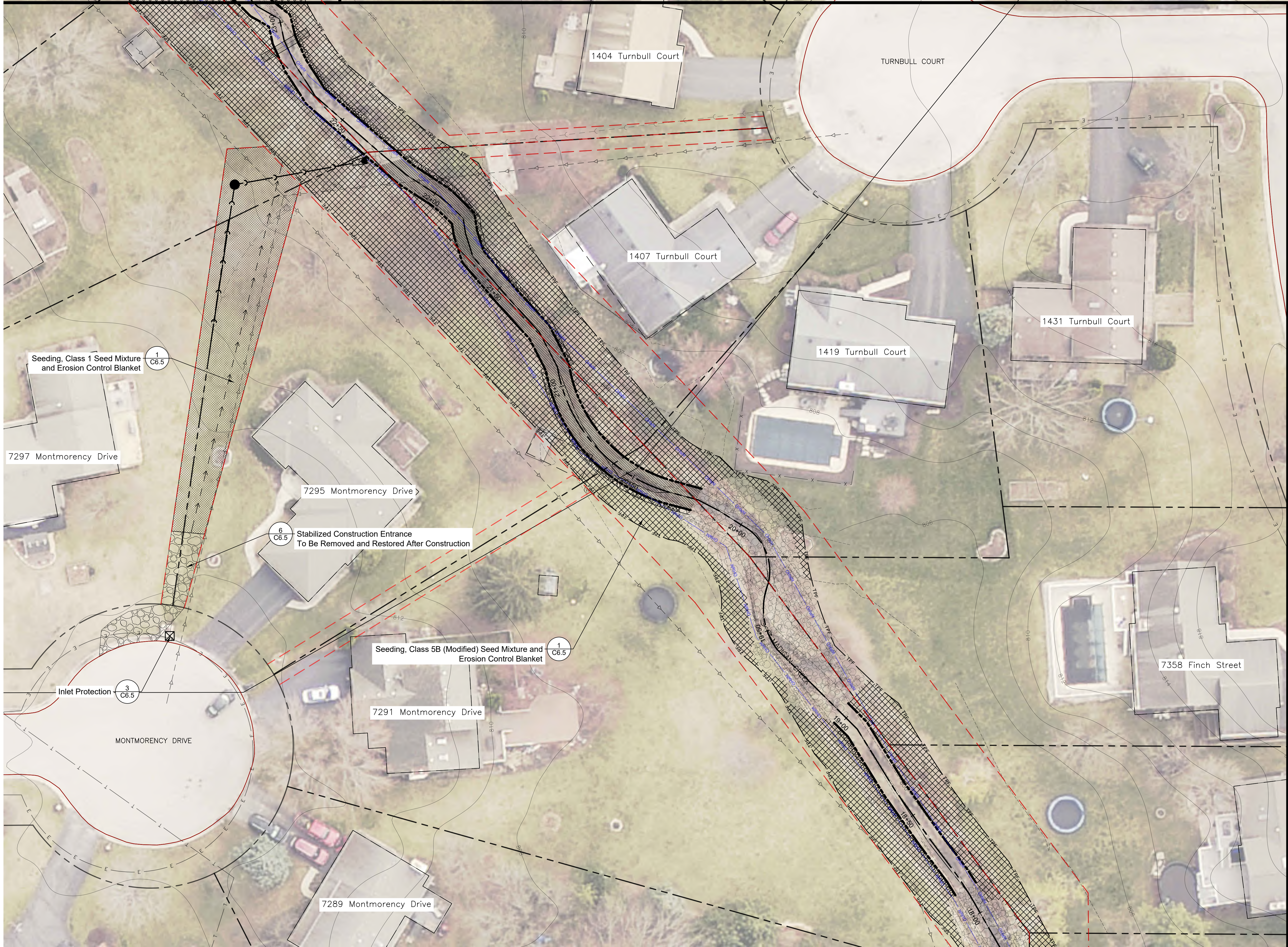
PROFESSIONAL DESIGN FIRM
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Madigan Creek Restoration - Phase I
Rockford Township, Winnebago County, Illinois

Landscape Restoration and SESC Plan

PROJECT NO: 25-0276		SHEET NO:
DESIGNED BY	AEP/ANJ	C4.3
DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

Bid Set



LEGEND

- Parcel Boundary
- Drainage Easement
- 1ft Existing County Contours
- 1ft Existing Surveyed Contours
- Existing Edge of Pavement
- Construction Access Route

Access Notes:
A proposed staging and access plan is shown. Contractor may prepare an alternate staging and access plan for approval by the Owner/Engineer.

No.	Revision/Issue	Date
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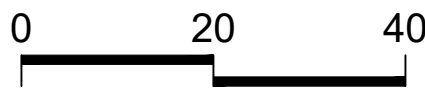
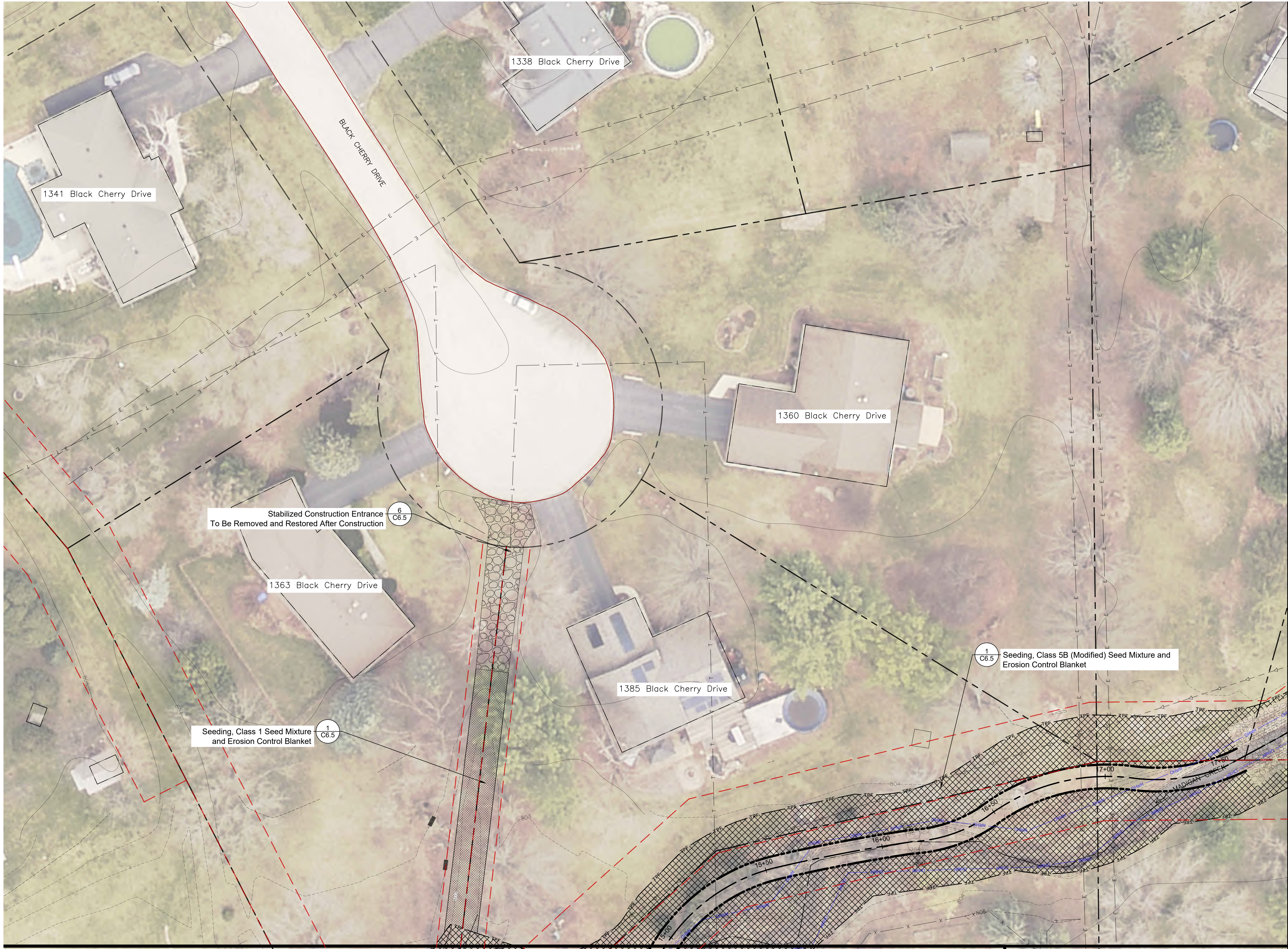
Madigan Creek Restoration - Phase I

Rockford Township, Winnebago County, Illinois

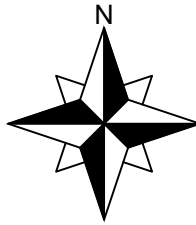
Landscape Restoration and SESC Plan

PROJECT NO: 25-0276		SHEET NO:
DESIGNED BY	AEP/ANJ	C4.5
DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

Bid Set



Scale: 1" = 20'



LEGEND

- Parcel Boundary
- Drainage Easement
- 1ft Existing County Contours
- 1ft Existing Surveyed Contours
- Existing Edge of Pavement
- Construction Access Route

Access Notes:
A proposed staging and access plan is shown. Contractor may prepare an alternate staging and access plan for approval by the Owner/Engineer.

No.	Revision/Issue	Date
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26575 WEST COMMERCE DRIVE, SUITE 601
VOLO, ILLINOIS 60073
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FAX (847) 740-2888
VOLO@HEYASSOC.COM

PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-002429

Madigan Creek Restoration - Phase I

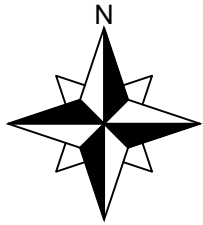
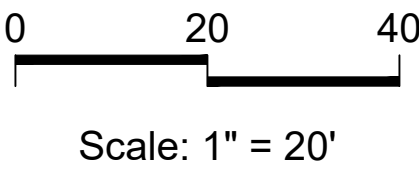
Rockford Township, Winnebago County, Illinois

Landscape Restoration and SESC Plan

PROJECT NO: 25-0276		SHEET NO:
DESIGNED BY	AEP/ANJ	C4.6
DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

Bid Set

File P:\25000\25-0276\WCHD - Madigan Creek Restoration\05 CAD\25-0276 Madigan Creek Restoration.dwg Plot Date: 7/15/2026 12:59 PM Plotted by: Alex Jorgensen



LEGEND

- Parcel Boundary
- Drainage Easement
- 1ft Existing County Contours
- 1ft Existing Surveyed Contours
- Existing Edge of Pavement
- Construction Access Route

Access Notes:
A proposed staging and access plan is shown. Contractor may prepare an alternate staging and access plan for approval by the Owner/Engineer.

No.	Revision/Issue	Date
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Madigan Creek Restoration - Phase I

Rockford Township, Winnebago County, Illinois

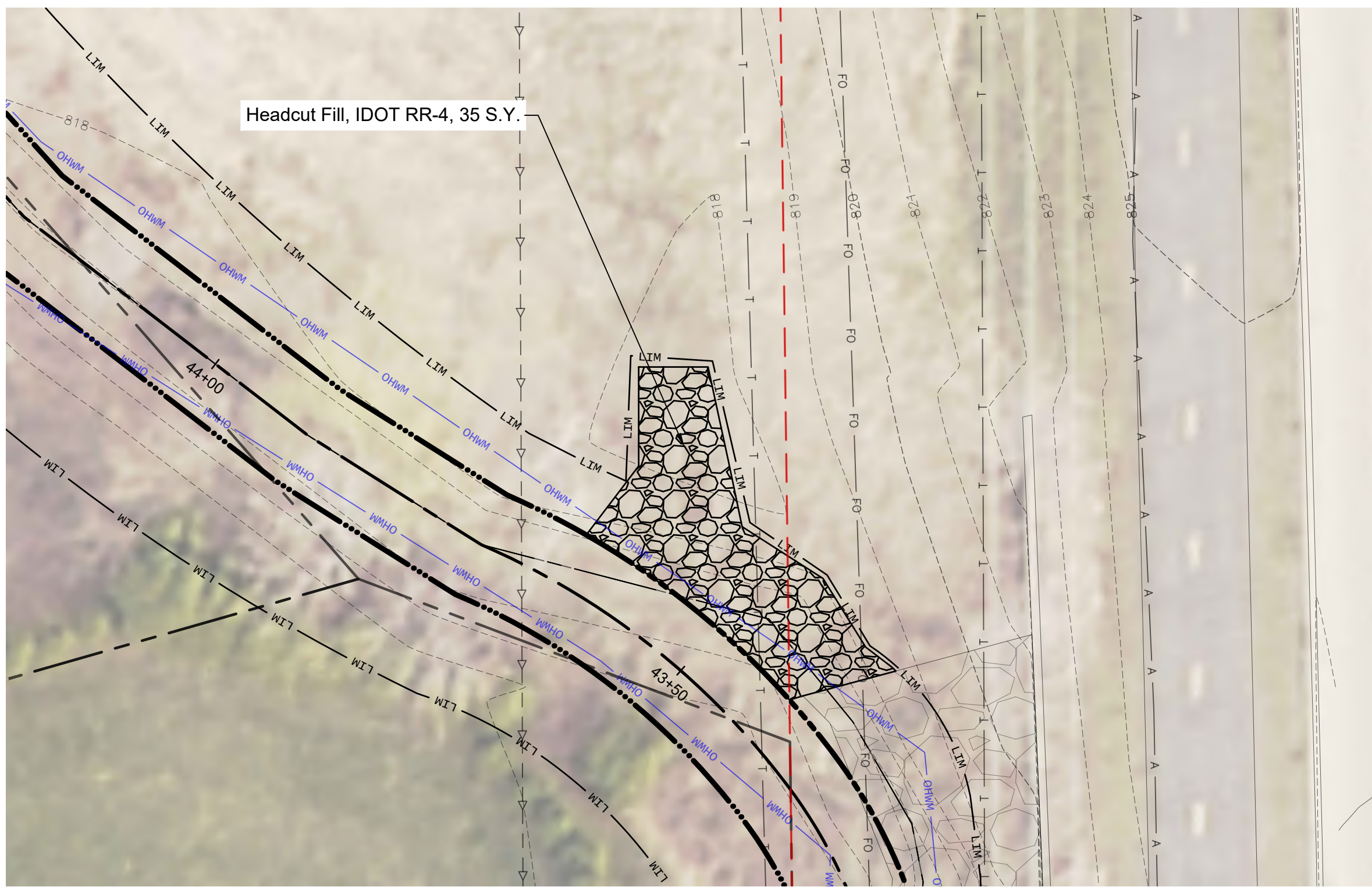
Landscape Restoration and SESC Plan

PROJECT NO: 25-0276		SHEET NO:
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DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

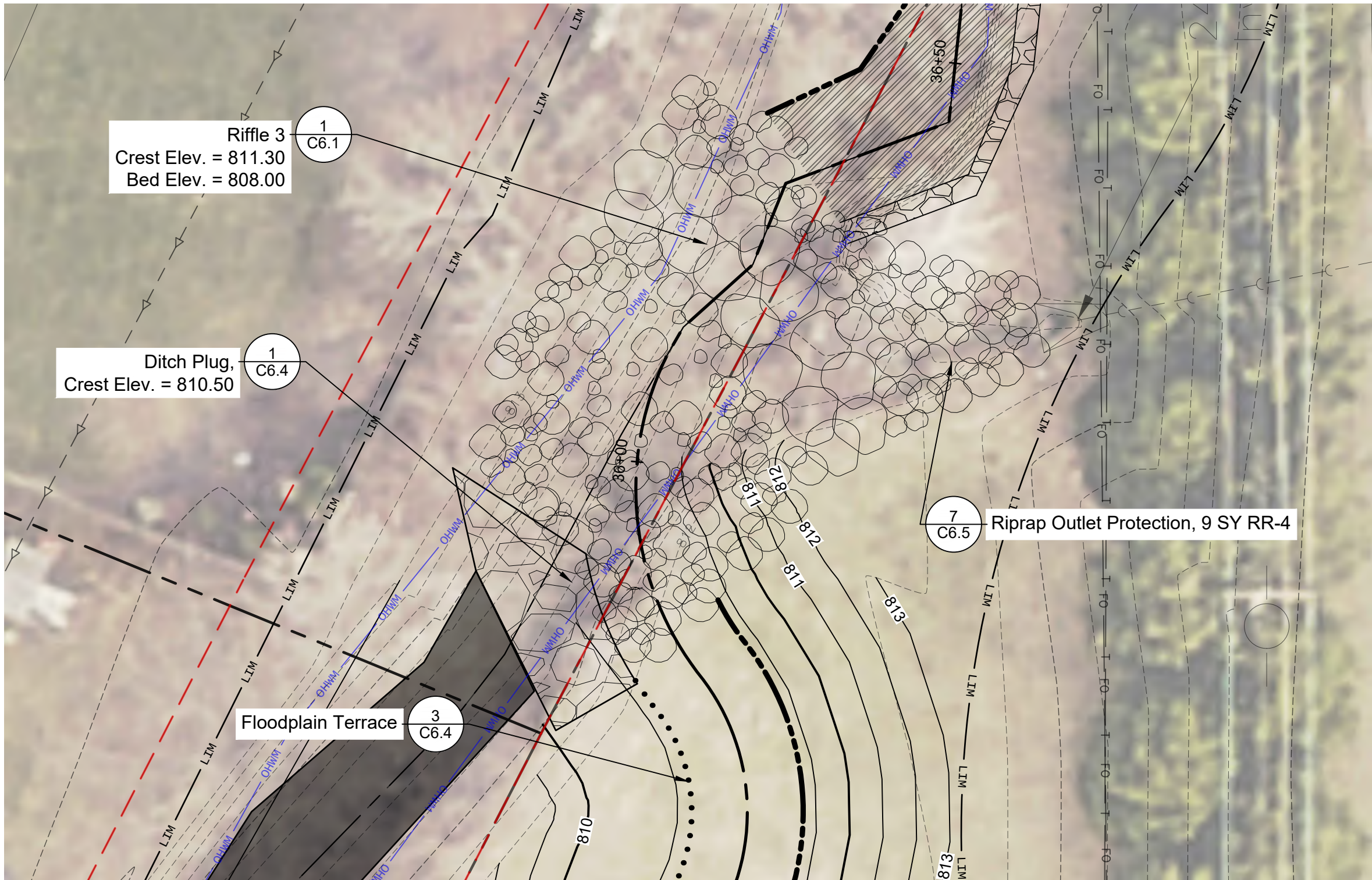
Bid Set



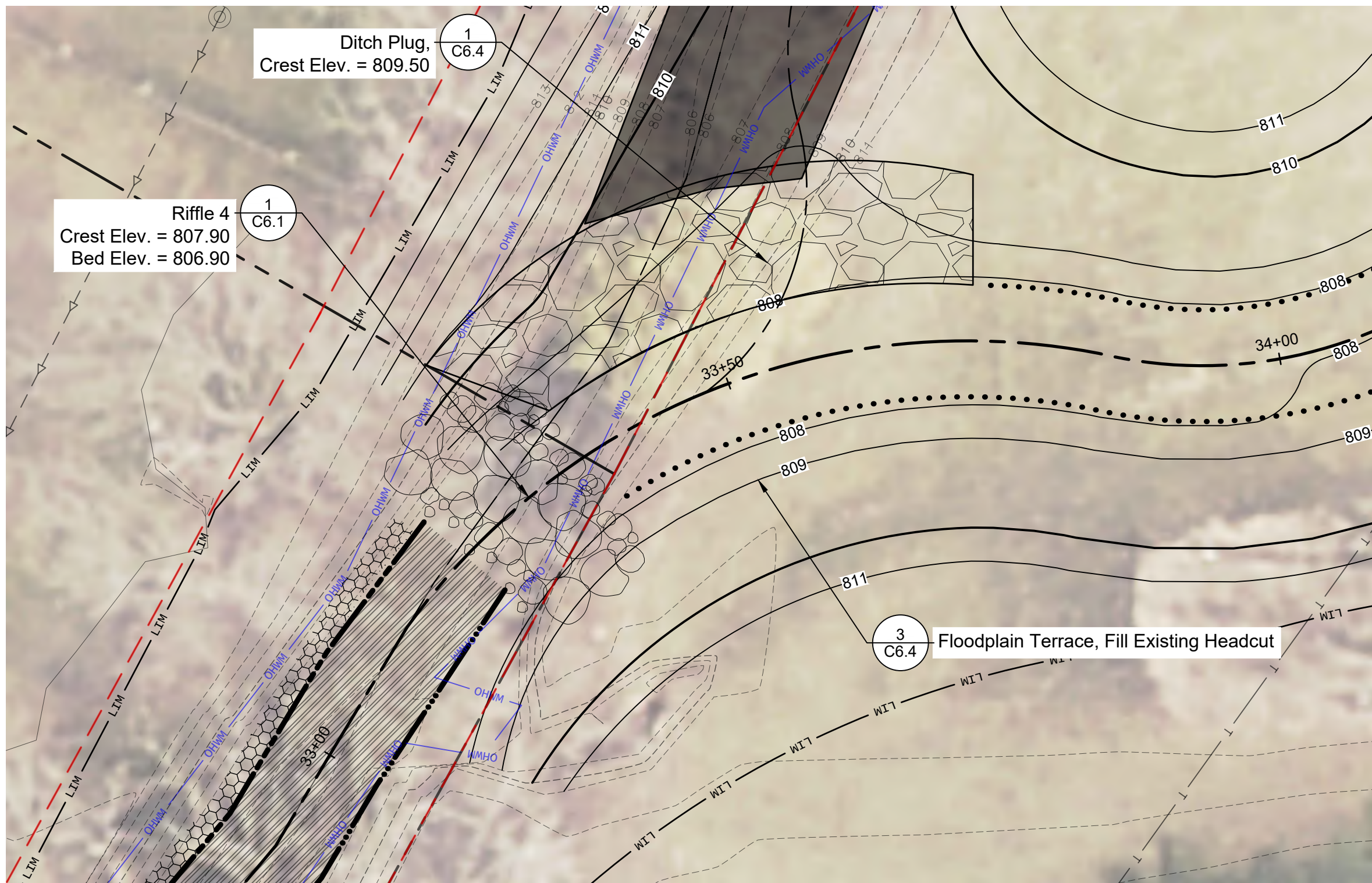
① Riprap Stabilization at Culvert - Sheet C3.1
1"=10'



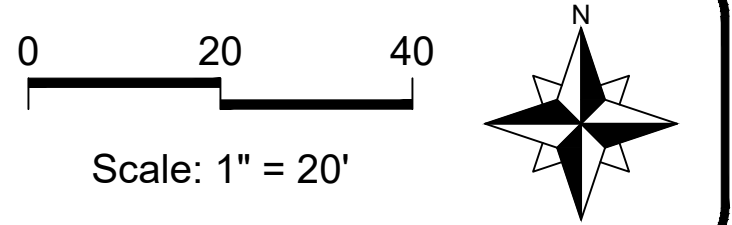
② Headcut Stabilization - Sheet C3.1
1"=10'



③ Ditch Plug - Sheet C3.2
1"=10'



④ Ditch Plug - Sheet C3.3
1"=10'



LEGEND		
	Parcel Boundary	
	Drainage Easement	
	1ft Existing County Contours	
	1ft Existing Surveyed Contours	
	Existing Edge of Pavement	
	1ft Proposed Contours	

No.	Revision/Issue	Date

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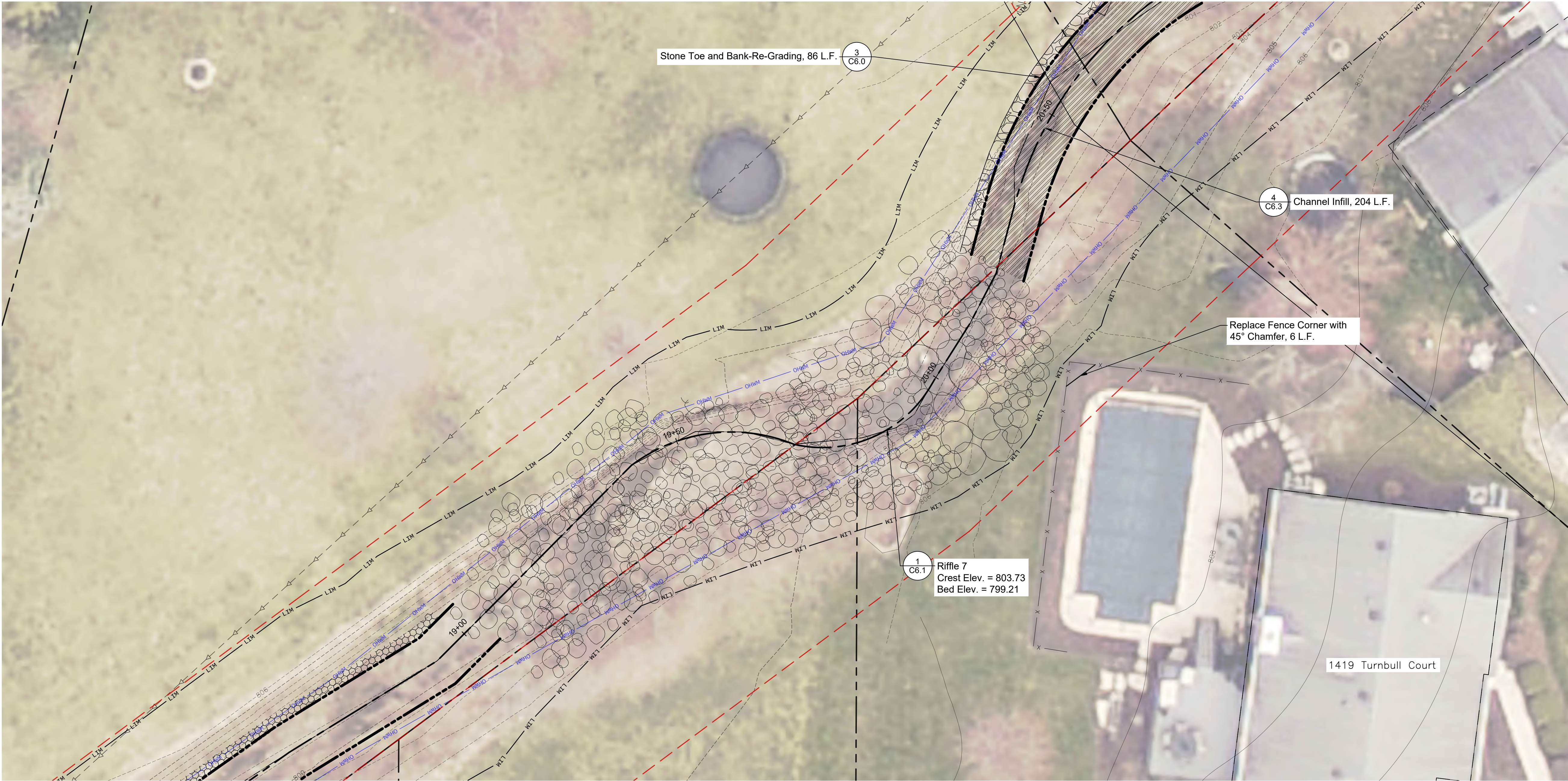
PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-002429

Madigan Creek Restoration -
Phase I
Rockford Township, Winnebago
County, Illinois

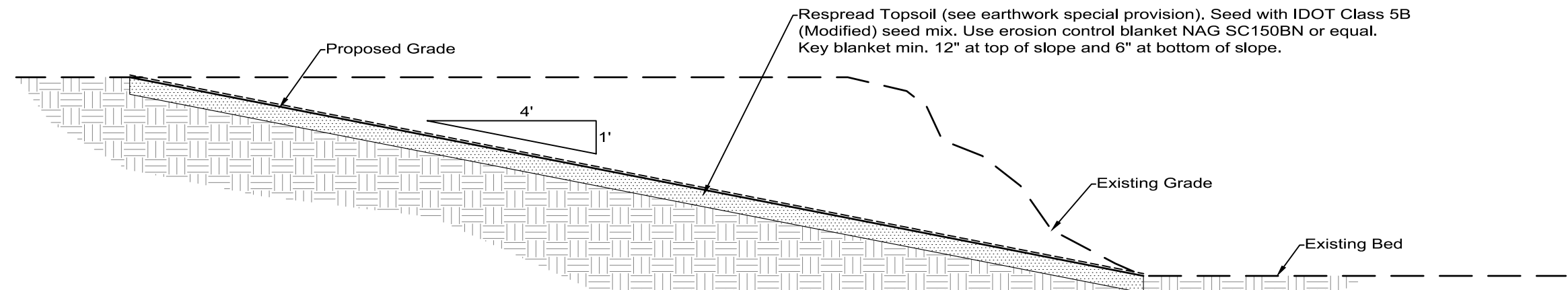
Enlargements

PROJECT NO: 25-0276		SHEET NO: C5.0
DESIGNED BY	AEP/ANJ	
DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

Bid Set

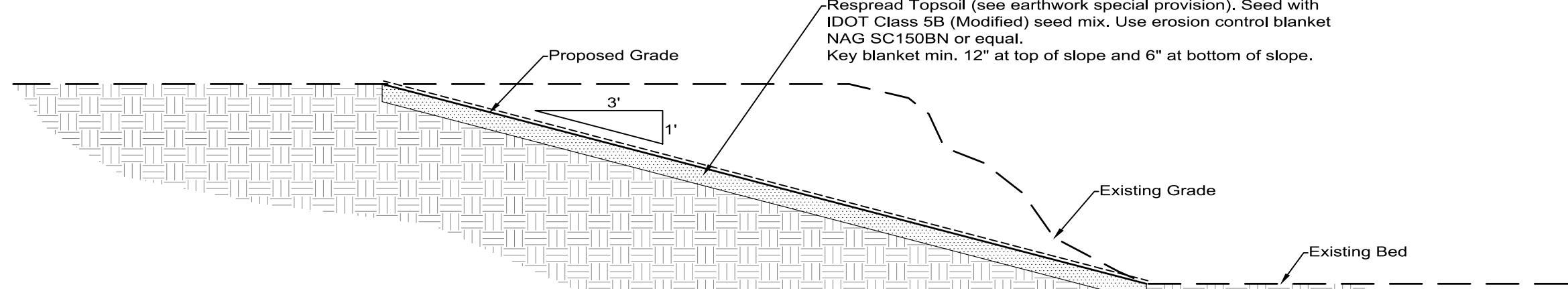


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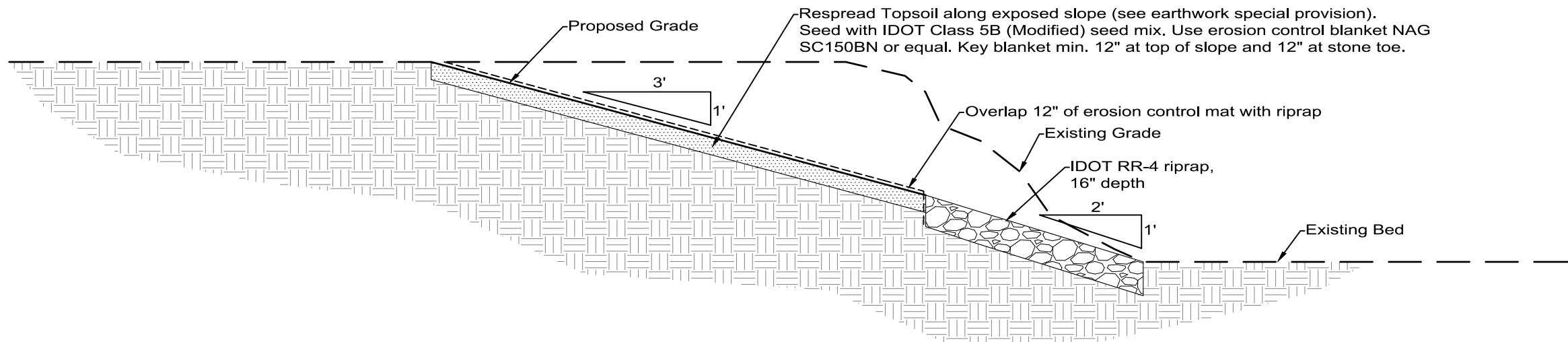
- The Following Pay Items Pertain to this Detail:
- 18 - Earth Excavation
 - 26 - Erosion Control Blanket (Special)
 - 33 - Seeding, Class 5B (Modified)

① 4:1 Bank Re-Grading Detail
(Not to Scale)



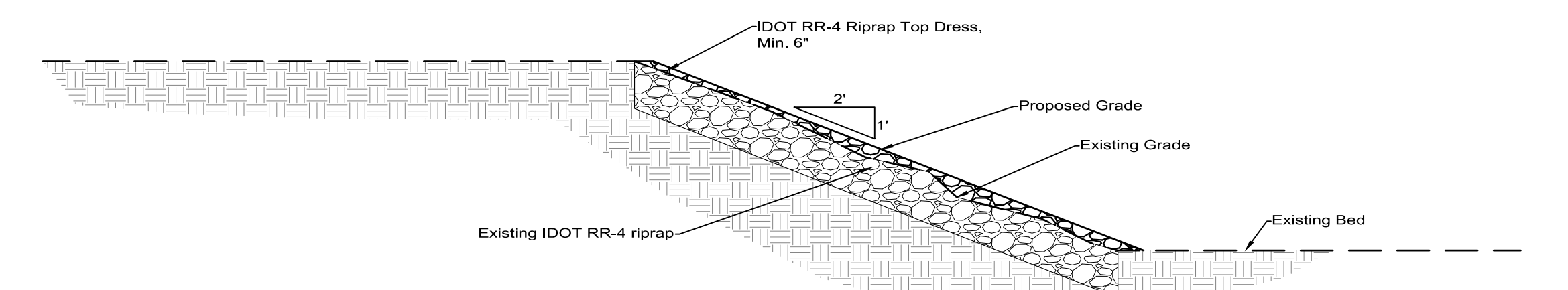
- The Following Pay Items Pertain to this Detail:
- 18 - Earth Excavation
 - 26 - Erosion Control Blanket (Special)
 - 33 - Seeding, Class 5B (Modified)

② 3:1 Bank Re-Grading Detail
(Not to Scale)



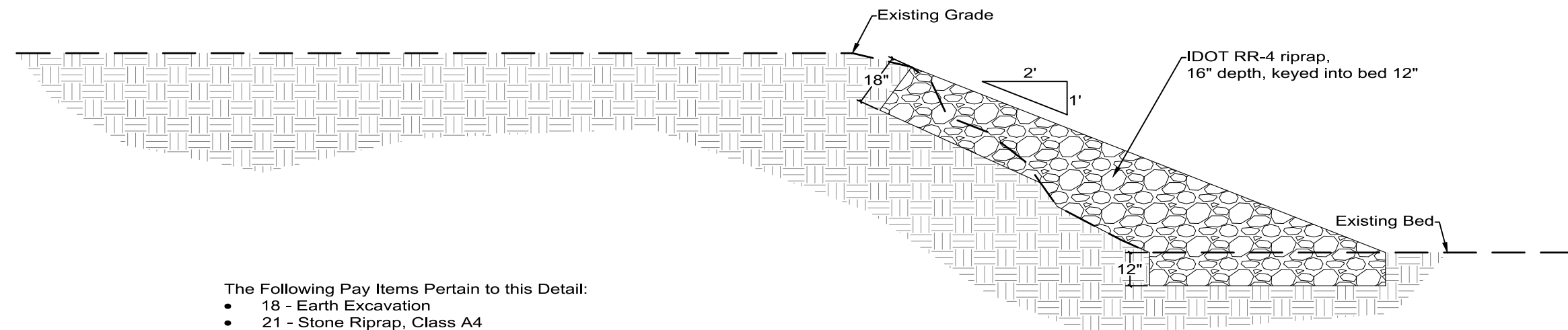
- The Following Pay Items Pertain to this Detail:
- 18 - Earth Excavation
 - 21 - Stone Riprap, Class A4
 - 26 - Erosion Control Blanket (Special)
 - 33 - Seeding, Class 5B (Modified)

③ Stone Toe and Bank Re-Grading Detail
(Not to Scale)



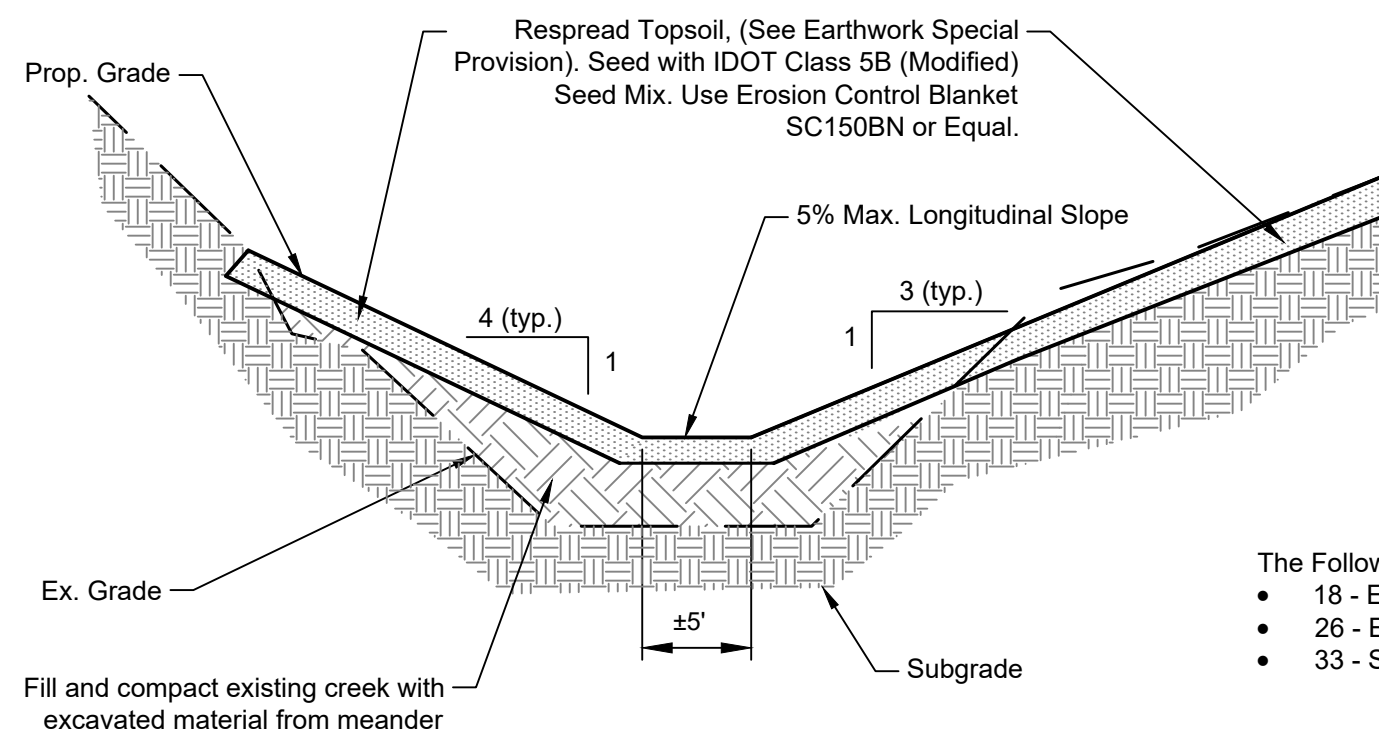
- The Following Pay Items Pertain to this Detail:
- 21 - Stone Riprap, Class A4

④ Rip-Rap Top Dress Bank Stabilization Detail
(Not to Scale)



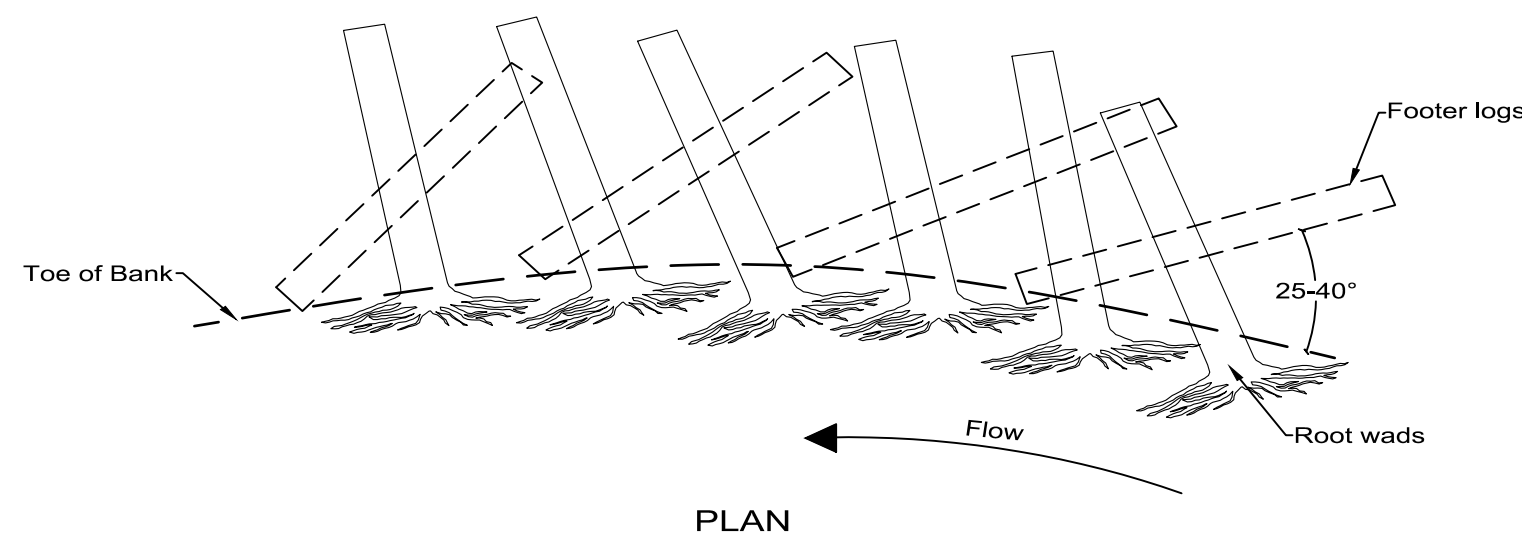
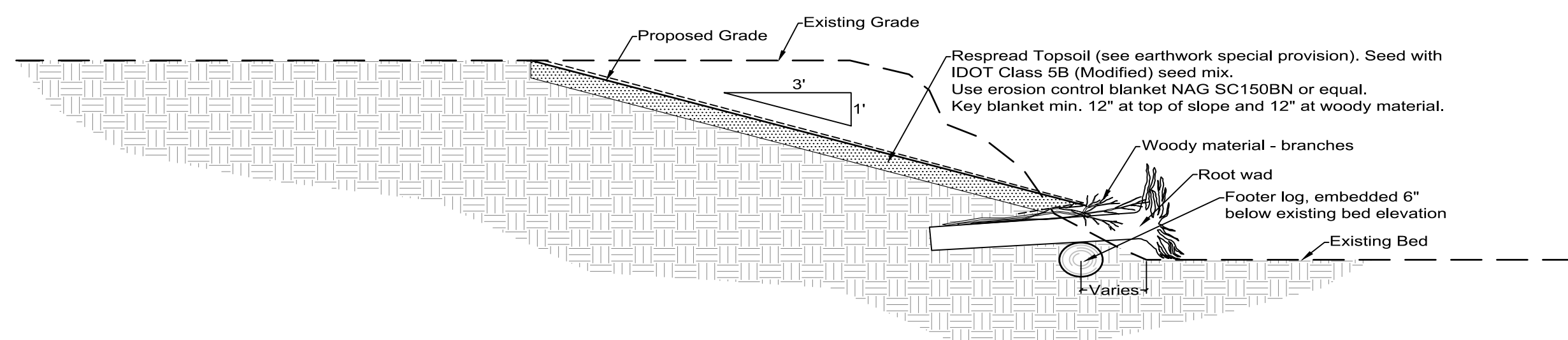
- The Following Pay Items Pertain to this Detail:
- 18 - Earth Excavation
 - 21 - Stone Riprap, Class A4

⑤ Rip Rap Bank Infill Detail
(Not to Scale)



- The Following Pay Items Pertain to this Detail:
- 18 - Earth Excavation
 - 26 - Erosion Control Blanket (Special)
 - 33 - Seeding, Class 5B (Modified)

⑥ Vegetated Swale Typ. Section
(Not to Scale)



- The Following Pay Items Pertain to this Detail:
- 18 - Earth Excavation
 - 24 - Root Wad Bank Stabilization
 - 26 - Erosion Control Blanket (Special)
 - 33 - Seeding, Class 5B (Modified)

- Notes:
1. Root wads and woody material should be sourced from on-site.
 2. Woody material should be comprised of branches of trees and shrubs grubbed on-site as part of the project demolition plan.

⑦ Root Wad Bank Stabilization Detail
(Not to Scale)

Scale bar measures 1" at full scale



LEGEND

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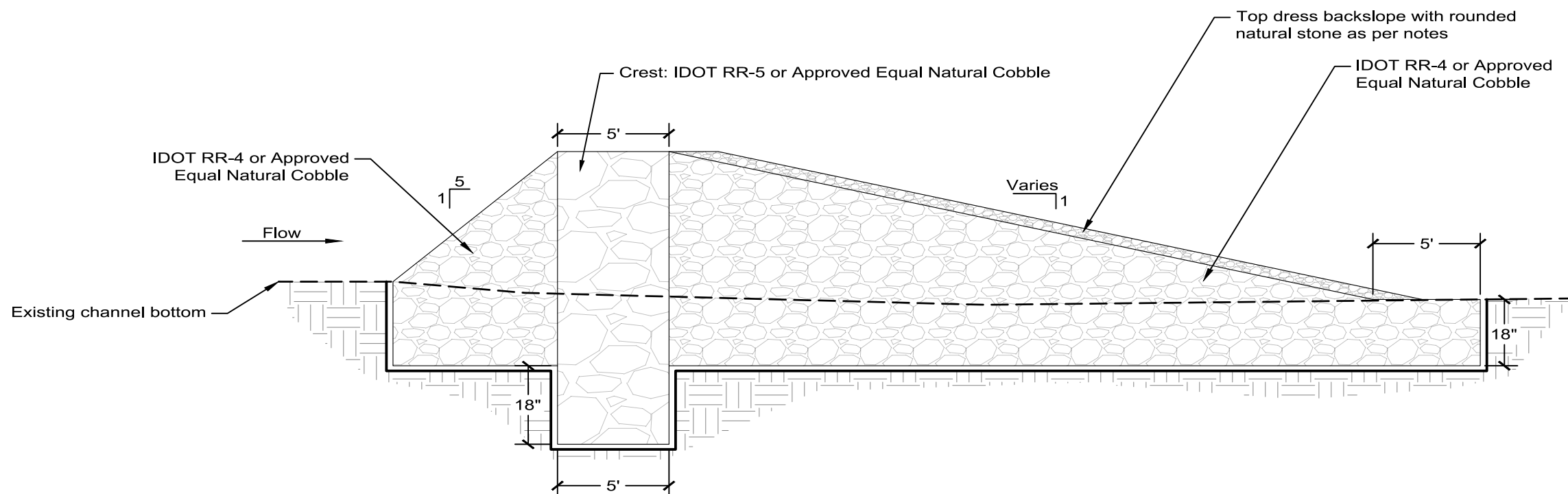
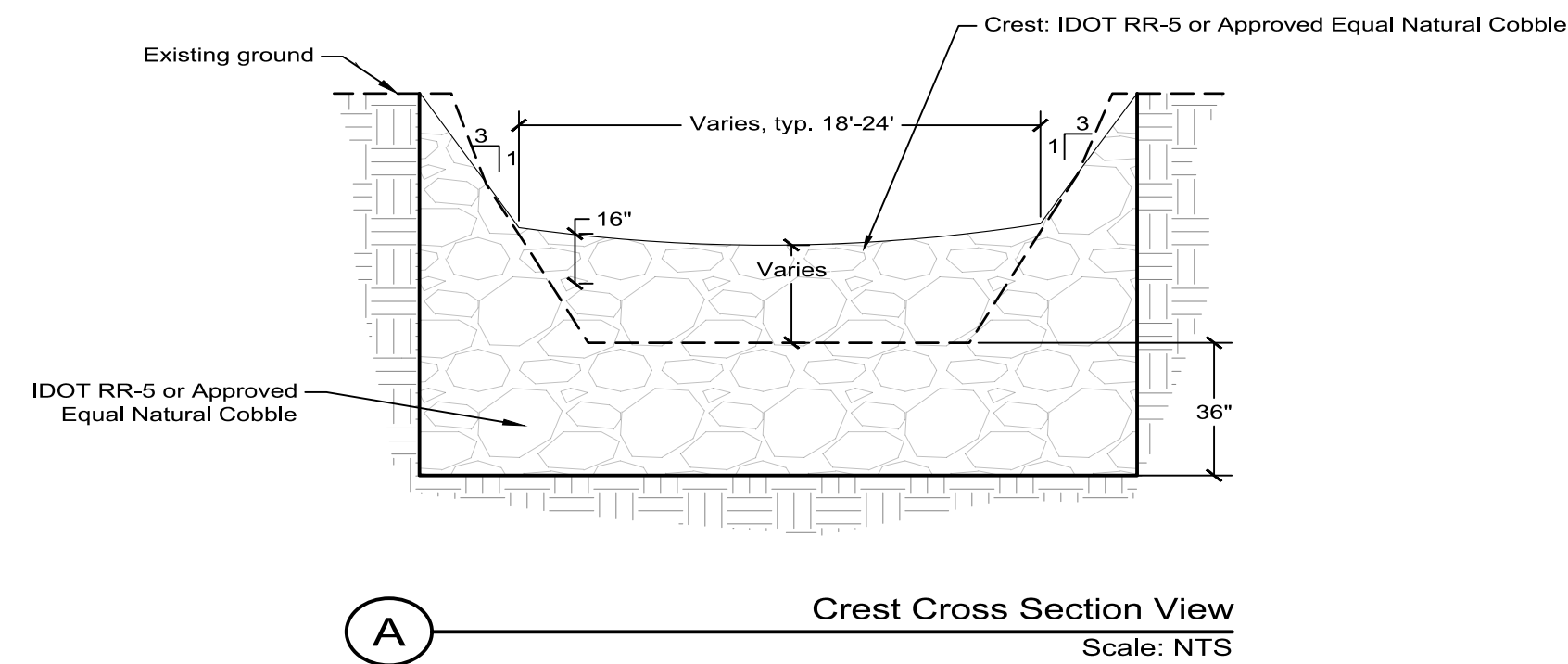
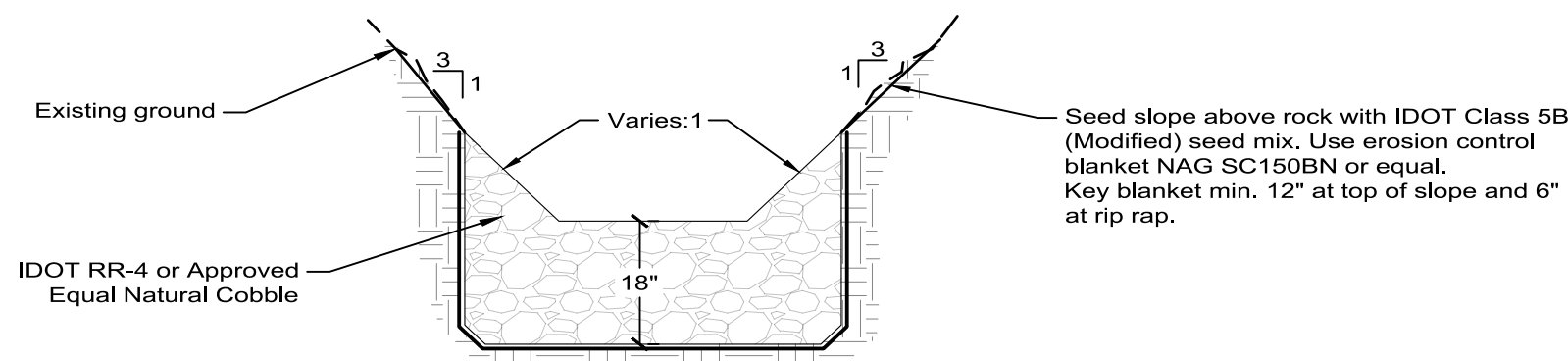
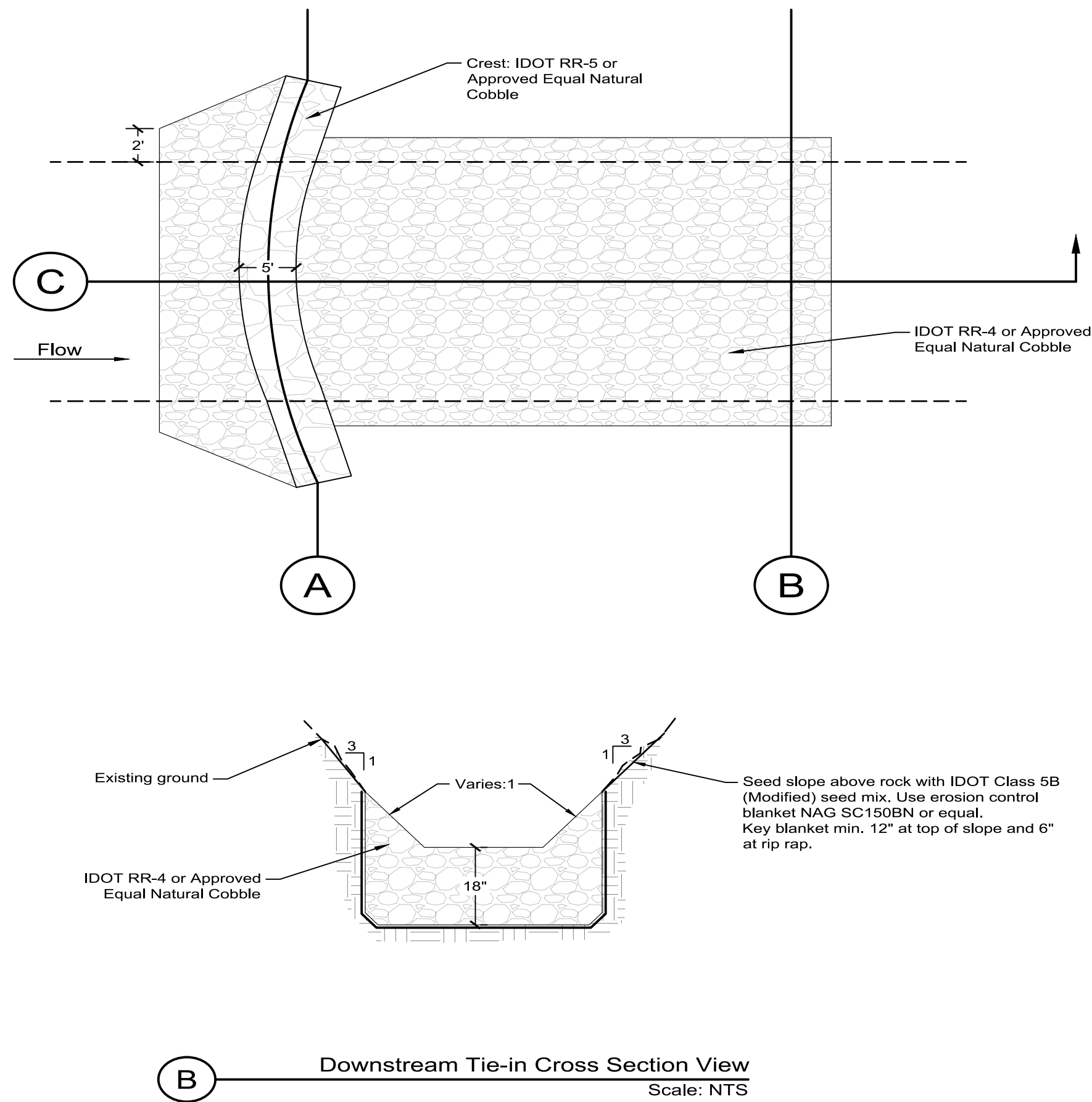
Madigan Creek Restoration - Phase I
Rockford Township, Winnebago County, Illinois

Details

PROJECT NO: 25-0276		SHEET NO:
DESIGNED BY	AEP/ANJ	C6.0
DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

Bid Set

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Notes:

- All stone shall be as specified in the Illinois Department of Transportation (IDOT) "Standard Specifications for Road and Bridge Construction" (Current Edition)(Standard Specifications), with specific attention directed to Sections 281 and 1005. All natural rounded stone shall have samples and documentation provided to the Engineer for approval.
- Structures shall be top dressed with 0.5-2 tons of $\frac{3}{4}$ to 2" rounded natural stone depending on structure size.
- Where storm outfalls are in the proximity of Grade Control Riffles, pipes shall outfall to the stone structure.
- Final shaping and direction shall be provided in field by Engineer to accommodate location specific needs at the time of construction.
- Material excavated from stream bed and banks for bedding and keying can be placed immediately upstream the structure or used in adjacent bank stabilization reaches at the direction of the Engineer.
- No bedding stone or filter fabric required for treatment.

- Engineer/Contractor to review bed conditions prior to riffle construction. Where stream bed material consists of gravel or existing rip rap, excavation of stream bed to be eliminated and RR-4 to be placed over existing bed per specified geometry. Where erodable material is present in the stream bed, excavation and placement of specified material to be included.

The Following Pay Items Pertain to this Detail:

- 18 - Earth Excavation
- 21 - Stone Riprap, Class A4
- 22 - Stone Riprap, Class A5
- 23 - Top Dressing Stone
- 26 - Erosion Control Blanket (Special)
- 33 - Seeding, Class 5B (Modified)

1

Grade Control Riffle Detail
(Not to Scale)

Scale bar measures 1" at full scale

0 1"

LEGEND

No.	Revision/Issue	Date
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PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-002429

**Madigan Creek Restoration -
Phase I**

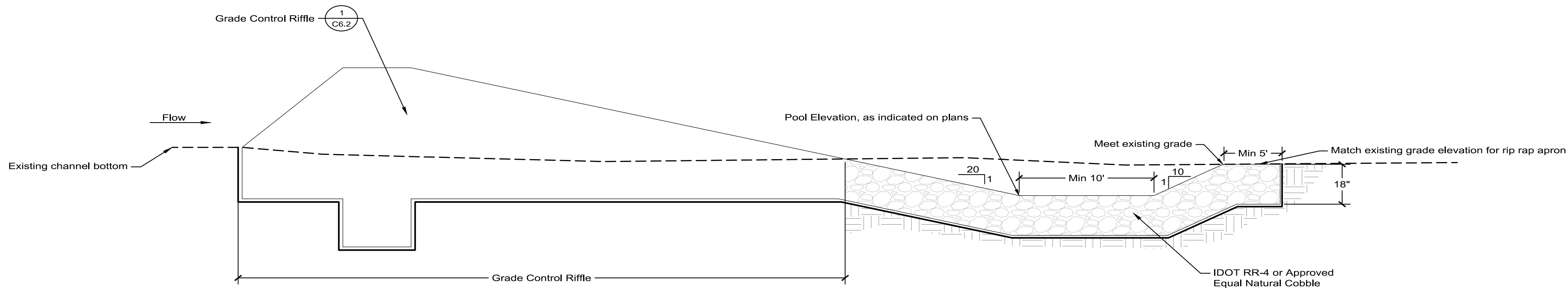
Rockford Township, Winnebago
County, Illinois

Details

PROJECT NO: 25-0276		SHEET NO:
DESIGNED BY	AEP/ANJ	C6.1
DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

Bid Set

File: P:\25000\25-0276\WCHD - Madigan Creek Restoration\05 CAD\25-0276 Madigan Creek Restoration.dwg Plot Date: 7/15/2026 12:59 PM Plotted by: Alex Jorgensen



Notes:

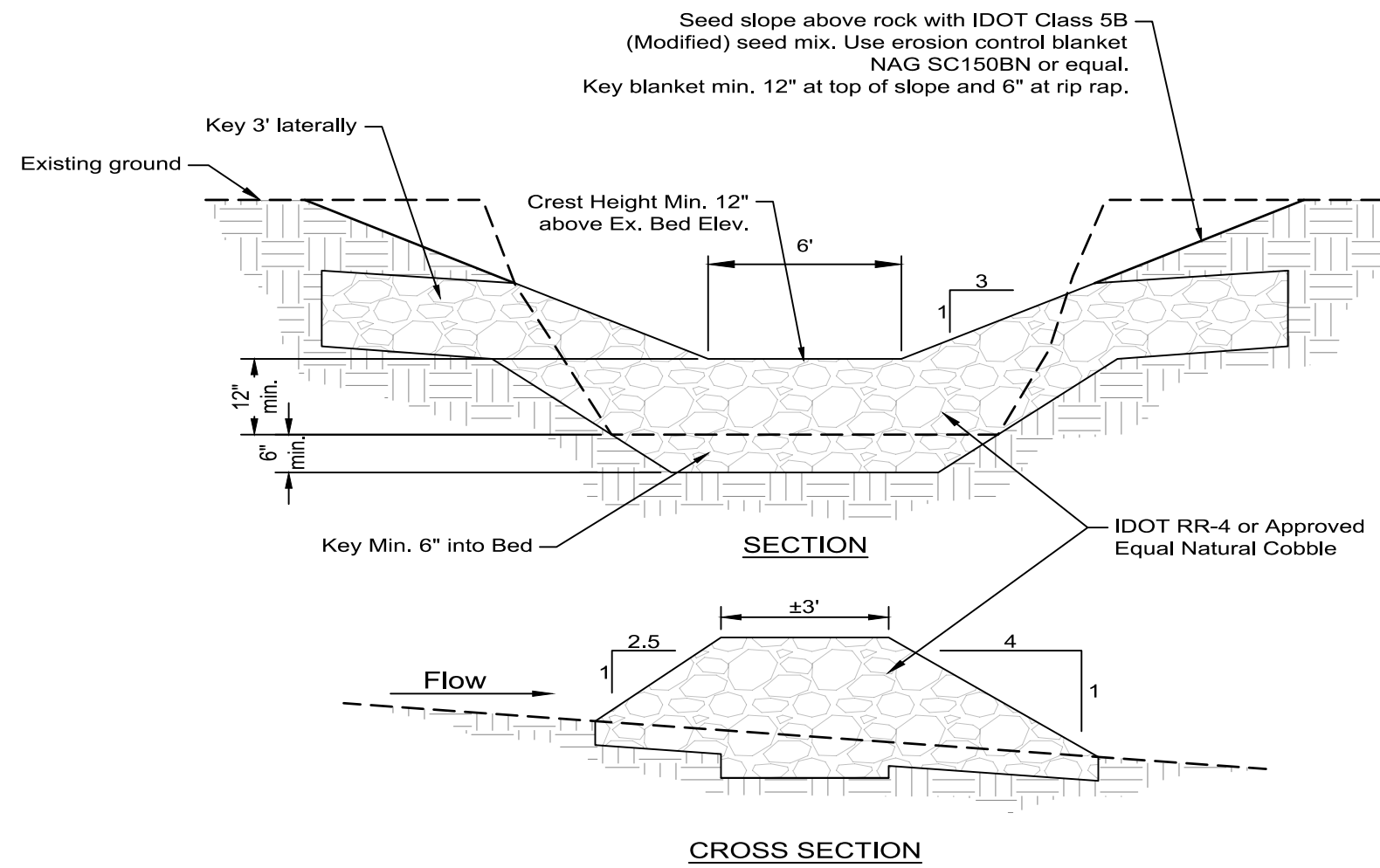
1. All stone shall be as specified in the Illinois Department of Transportation (IDOT) "Standard Specifications for Road and Bridge Construction" (Current Edition)(Standard Specifications), with specific attention directed to Sections 281 and 1005. All natural rounded stone shall have samples and documentation provided to the Engineer for approval.
2. No bedding stone or filter fabric required for treatment.
3. Final shaping and direction shall be provided in field by Engineer to accommodate location specific needs at the time of construction.
4. Material excavated from stream bed and banks for bedding and keying can be placed immediately upstream the structure, as riffle structure massing, or used in adjacent bank stabilization reaches at the direction of the Engineer.
5. Engineer/Contractor to review bed conditions prior to riffle construction. Where stream bed material consists of gravel or existing rip rap, excavation of stream bed to be eliminated and RR-4 to be placed over existing bed per specified geometry. Where erodable material is present in the stream bed, excavation and placement of specified bedding material to be included.

The Following Pay Items Pertain to this Detail:

- 18 - Earth Excavation
- 21 - Stone Riprap, Class A4

①

Stone-Lined Pool Detail
(Not to Scale)



The Following Pay Items Pertain to this Detail:

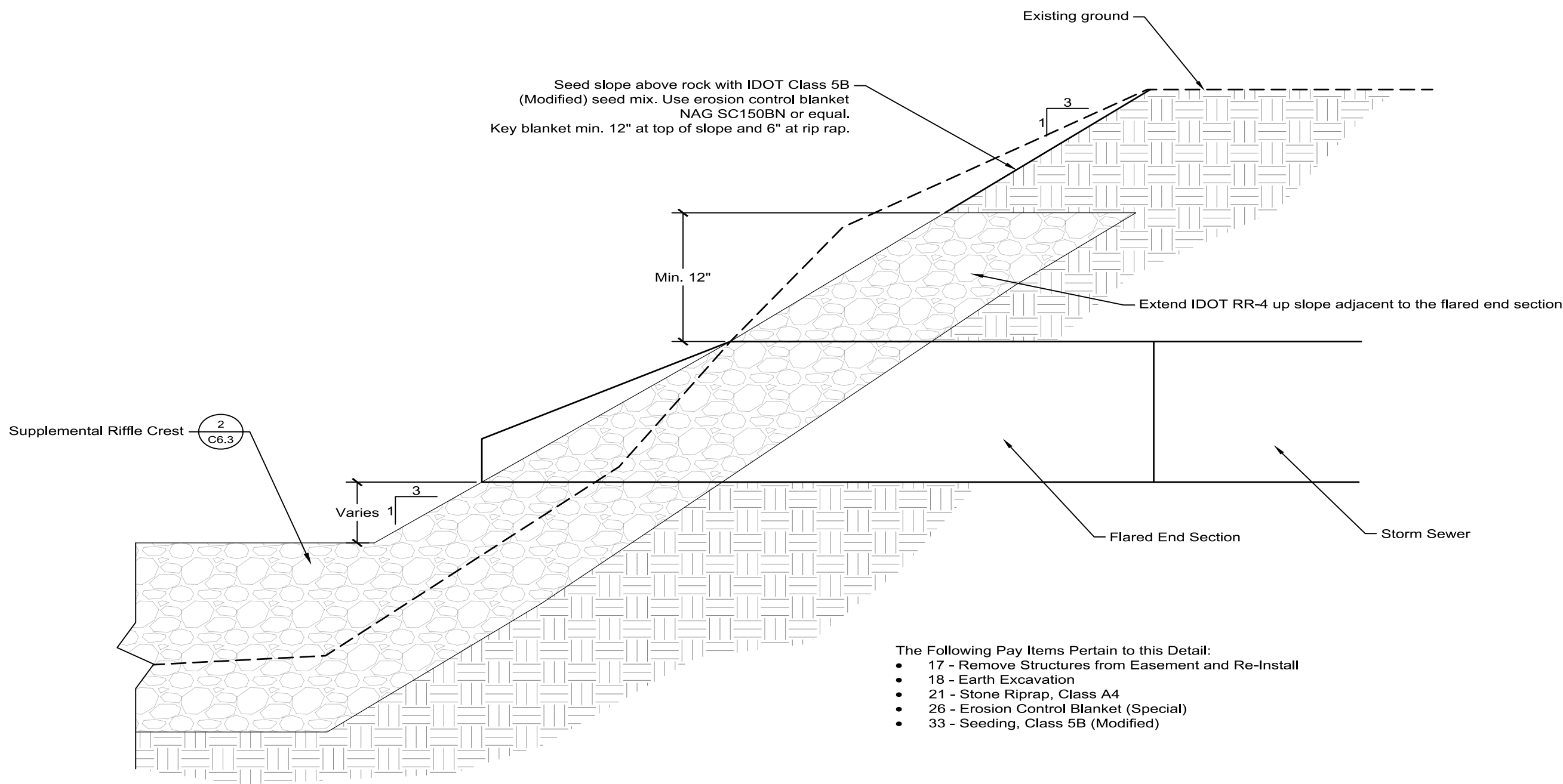
- 18 - Earth Excavation
- 21 - Stone Riprap, Class A4
- 26 - Erosion Control Blanket (Special)
- 33 - Seeding, Class 5B (Modified)

Notes:

1. No bedding stone or filter fabric required for treatment.
2. All stone shall be as specified in the Illinois Department of Transportation (IDOT) "Standard Specifications for Road and Bridge Construction" (Current Edition) (Standard Specifications), with specific attention directed to Sections 281 and 1005.
3. Key in treatment into bank slope 3' min. on each bank to secure.
4. Structure height shall be location specific and vary from bed grade to the crest height as shown on the plans, as directed by the Engineer and determined by Owner.
5. Material from keying can be placed in the channel upstream of the riffle enhancement or nearby grade control riffles.

②

Supplemental Riffle Crest Detail
(Not to Scale)



The Following Pay Items Pertain to this Detail:

- 17 - Remove Structures from Easement and Re-Install
- 18 - Earth Excavation
- 21 - Stone Riprap, Class A4
- 26 - Erosion Control Blanket (Special)
- 33 - Seeding, Class 5B (Modified)

③

Outfall with Supplemental Riffle Crest Detail
(Not to Scale)

Scale bar measures 1" at full scale

0 1"

LEGEND

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Madigan Creek Restoration - Phase I

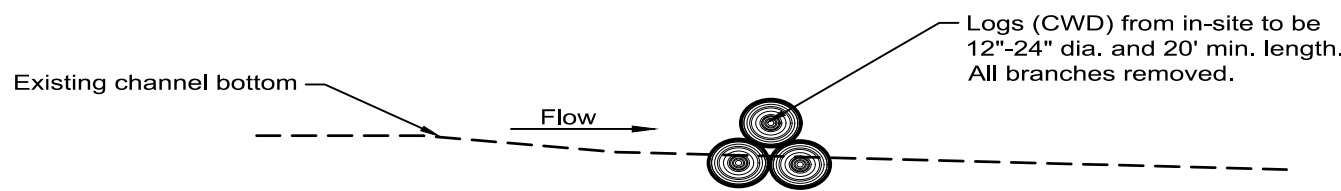
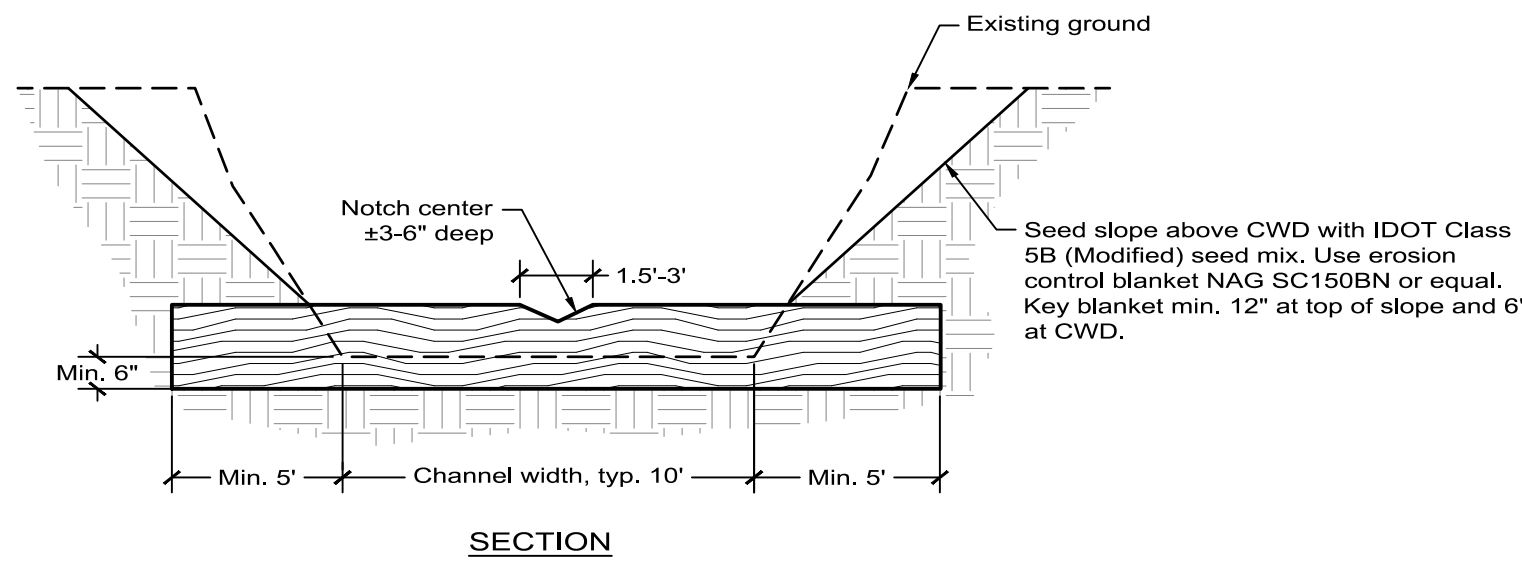
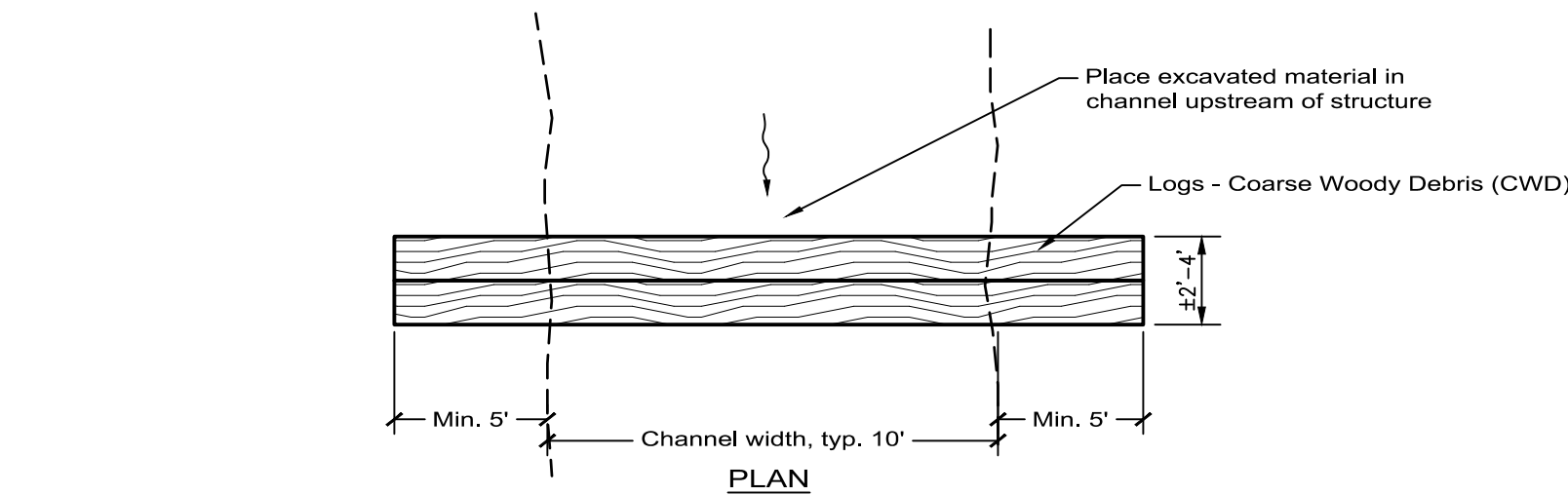
Rockford Township, Winnebago County, Illinois

Details

PROJECT NO: 25-0276		SHEET NO:
DESIGNED BY	AEP/ANJ	C6.2
DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

Bid Set

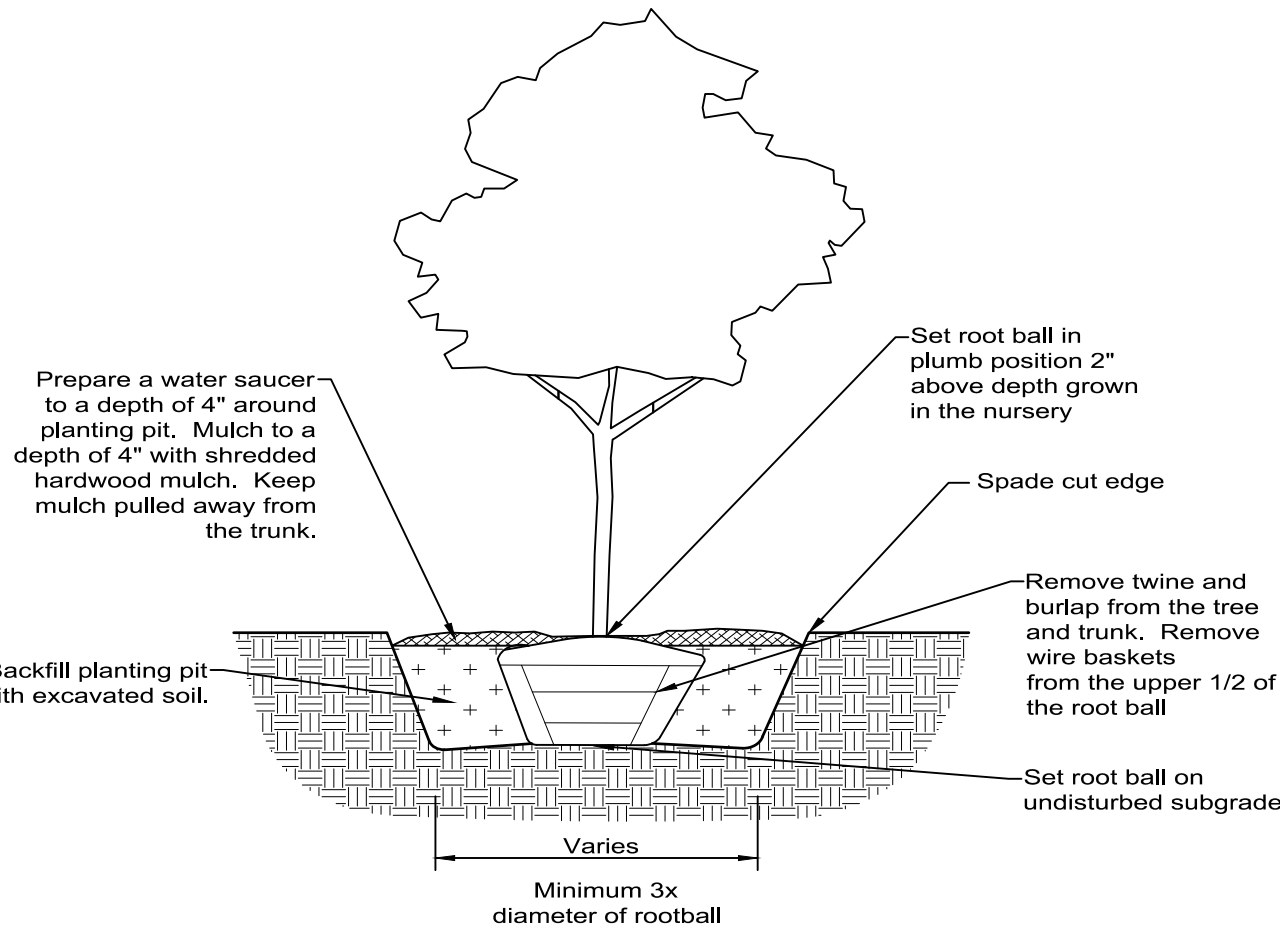
File: P:\25000\25-0276\WCHD - Madigan Creek Restoration\05 CAD\25-0276 Madigan Creek Restoration.dwg Plot Date: 7/16/2026 12:59 PM Plotted by: Alex Jorgensen



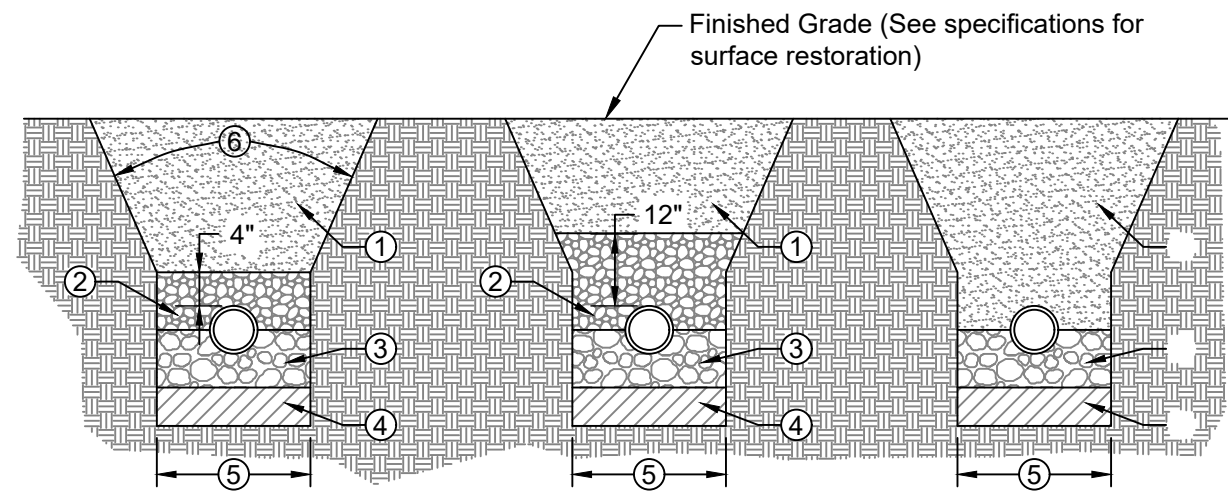
- The Following Pay Items Pertain to this Detail:
- 18 - Earth Excavation
 - 21 - Stone Riprap, Class A4
 - 25 - Coarse Woody Debris Grade Control
 - 26 - Erosion Control Blanket (Special)
 - 33 - Seeding, Class 5B (Modified)

- Notes:
1. All CWD material shall be sourced from on-site tree removal.
 2. Trees >24" dia. may be used with prior approval by the Engineer.
 3. Spoil material generated during installation shall be placed in the channel upstream of the logs.

1 Coarse Woody Debris (CWD) Grade Control Detail (Not to Scale)



2 Tree Planting Detail (Not to Scale)



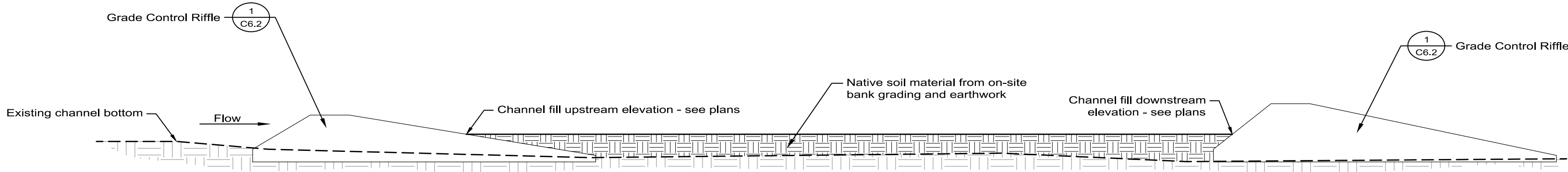
~~SECTION A~~
Water Main (DIP)
Force Main (DIP)
Sanitary Sewer Main & Services (ESVCP, DIP)

SECTION B
Sanitary Sewer Main & Services (PVC)
Storm Sewer (PVC, HDPE)
Sanitary Sewer Main & Water Main (HDPE)
Utility Sleeve (PVC)

SECTION C
Storm Sewer (RCP)

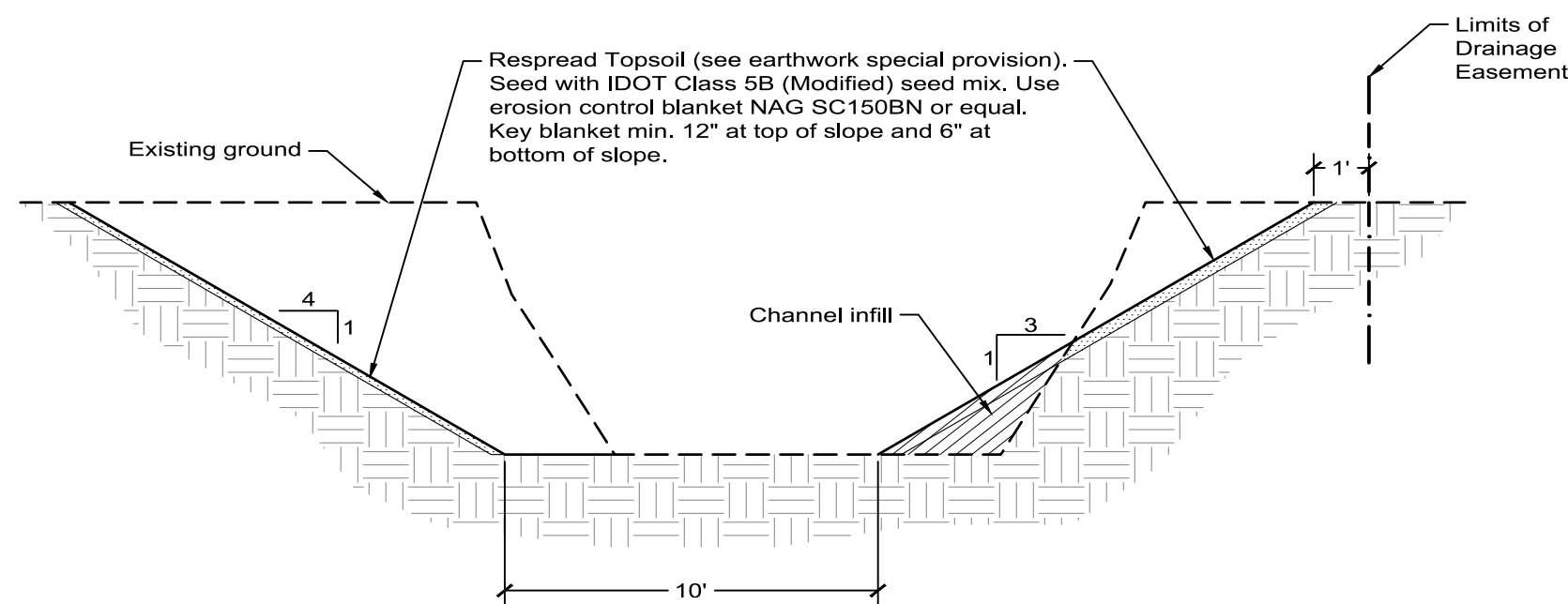
1. Trench backfill to subgrade and within 2 feet of proposed pavement, driveway, curb and gutter or sidewalk. Trench backfill materials shall be IDOT approved gradation:
 - FA 1, FA 2, FA 6 or FA 21
 - CA 6, CA 10 or CA 18Compacted to 90% of modified proctor density. In non-structural areas backfill with approved excavated materials.
2. Initial backfill to depth as indicated. Material shall be IDOT approved gradation:
 - FA 6
 - CA 6, CA 7 or CA 11
3. Pipe bedding shall be fractured granular material IDOT gradation CA-7 or CA-11 from 4 inches below horizontal center of pipe
4. Unsuitable material to be removed where directed by the Engineer and replaced with compacted suitable material.
5. Trench Width:
 - Pipe O.D. + 12 inches min. (for payment purposes)
 - Pipe I.D. + 18 inches max. (for payment purposes)
 - Or as noted in Standard Specifications for Water and Sewer Main Construction in Illinois
6. Contractors shall comply with the latest OSHA standards including, but not limited to:
 - Sloping and benching trenching walls
 - Trench support and shoring systems
 - Shield systems and Hazardous atmospheres.

3 Typical Trench Cross Section Detail (Not to Scale)



- The Following Pay Items Pertain to this Detail:
- 18 - Earth Excavation

4 Channel Infill Detail (Not to Scale)



- Notes:
1. This detail shall be used from STA. 26+75 to STA. 30+12
 2. The typical section is shown facing downstream.

- The Following Pay Items Pertain to this Detail:
- 18 - Earth Excavation
 - 26 - Erosion Control Blanket (Special)
 - 33 - Seeding, Class 5B (Modified)

5 Thalweg Adjustment Channel Grading Detail (Not to Scale)

Scale bar measures 1" at full scale

0 1"

LEGEND

No.	Revision/Issue	Date
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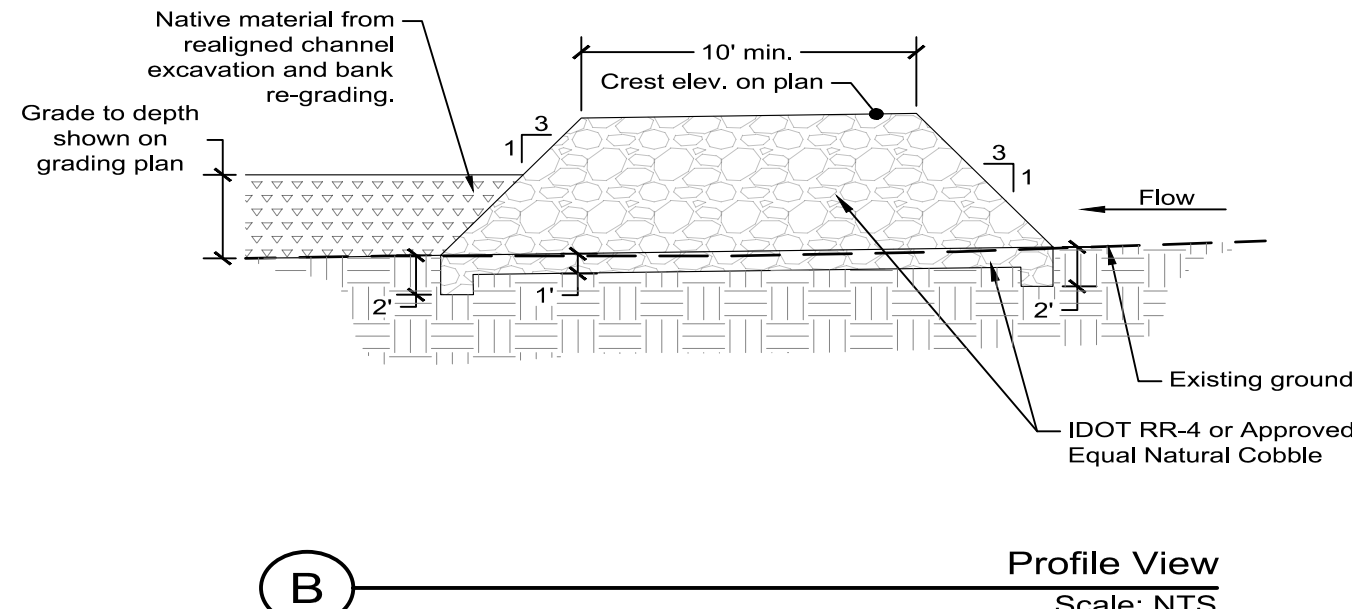
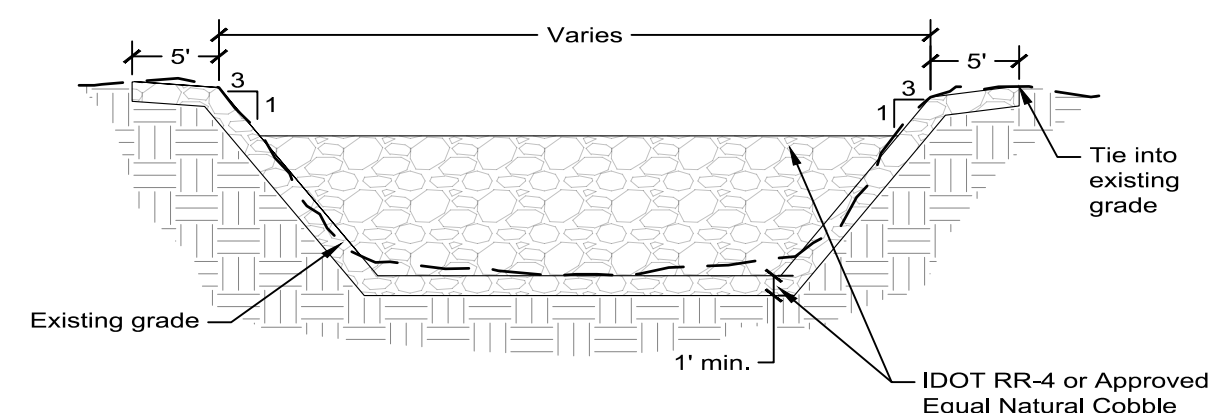
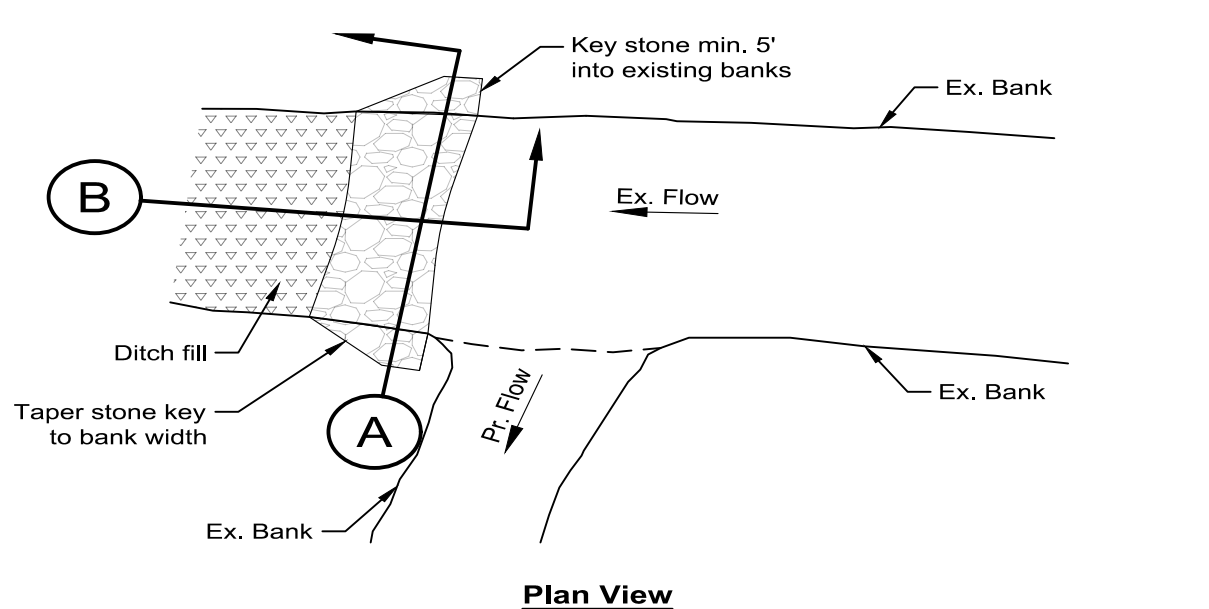
Rockford Township, Winnebago County, Illinois

Details

PROJECT NO: 25-0276		SHEET NO:
DESIGNED BY	AEP/ANJ	C6.3
DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

Bid Set

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Notes:

- All stone shall be as specified in the Illinois Department of Transportation (IDOT) "Standard Specifications for Road and Bridge Construction" (Current Edition) (Standard Specifications), with specific attention directed to Sections 281 and 1005.
- Material excavated from stream bed and banks for bedding and keying shall be placed in the existing main channel downstream of the ditch plug in the area shown as 'Ditch fill'.
- No bedding stone or filter fabric required for treatment.

The Following Pay Items Pertain to this Detail:

- 18 - Earth Excavation
- 21 - Stone Riprap, Class A4

SEEDING, CLASS 5B (MODIFIED)

Botanical Name	Common Name	Rate (Oz/acre)	Notes
Cover Crop			
<i>Avena sativa</i>	Seed Oats	800	Use April - May
<i>Lolium multiflorum</i>	Annual Rye	800	Use June - September
<i>Wheat x wheatgrass hybrid</i>	ReGreen	800	Use October - March
Grasses			
<i>Bouteloua curtipendula</i>	Side-oats Grama	60	PLS
<i>Elymus canadensis</i>	Canada Wild Rye	76	PLS
<i>Elymus virginicus</i>	Virginia Wild Rye	48	PLS
<i>Panicum virgatum</i>	Switchgrass	24	PLS
<i>Schizachyrium scoparium</i>	Little Bluestem	80	PLS
<i>Sorghastrum nutans</i>	Indian Grass	32	PLS
Forbs			
<i>Asclepias incarnata</i>	Swamp Milkweed	4	PLS
<i>Coreopsis lanceolata</i>	Lance-leaf Tickseed	6	PLS
<i>Echinaceae pallida</i>	Pale Purple Coneflower	5	PLS
<i>Euthamia graminifolia</i>	Grass-leaved Goldenrod	3	PLS
<i>Heliopsis helianthoides</i>	False Sunflower	5	PLS
<i>Monarda fistulosa</i>	Wild Bergamot	5	PLS
<i>Oligoneuron riddellii</i>	Riddell's Goldenrod	4	PLS
<i>Pycnanthemum virginianum</i>	Virginia Mountain Mint	3	PLS
<i>Rudbeckia hirta</i>	Black-Eyed Susan	6	PLS
<i>Symphyotrichum lateriflorum</i>	Calico Aster	5	PLS
<i>Zizia aurea</i>	Golden Alexander	4	PLS

Scale bar measures 1" at full scale



LEGEND

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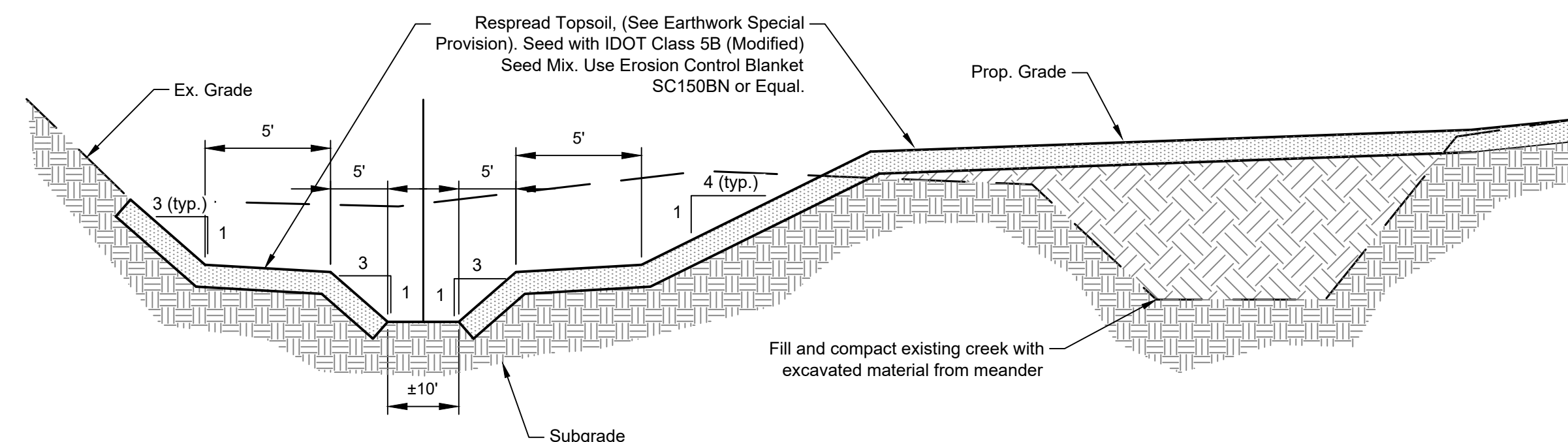
Madigan Creek Restoration - Phase I

Rockford Township, Winnebago County, Illinois

Details

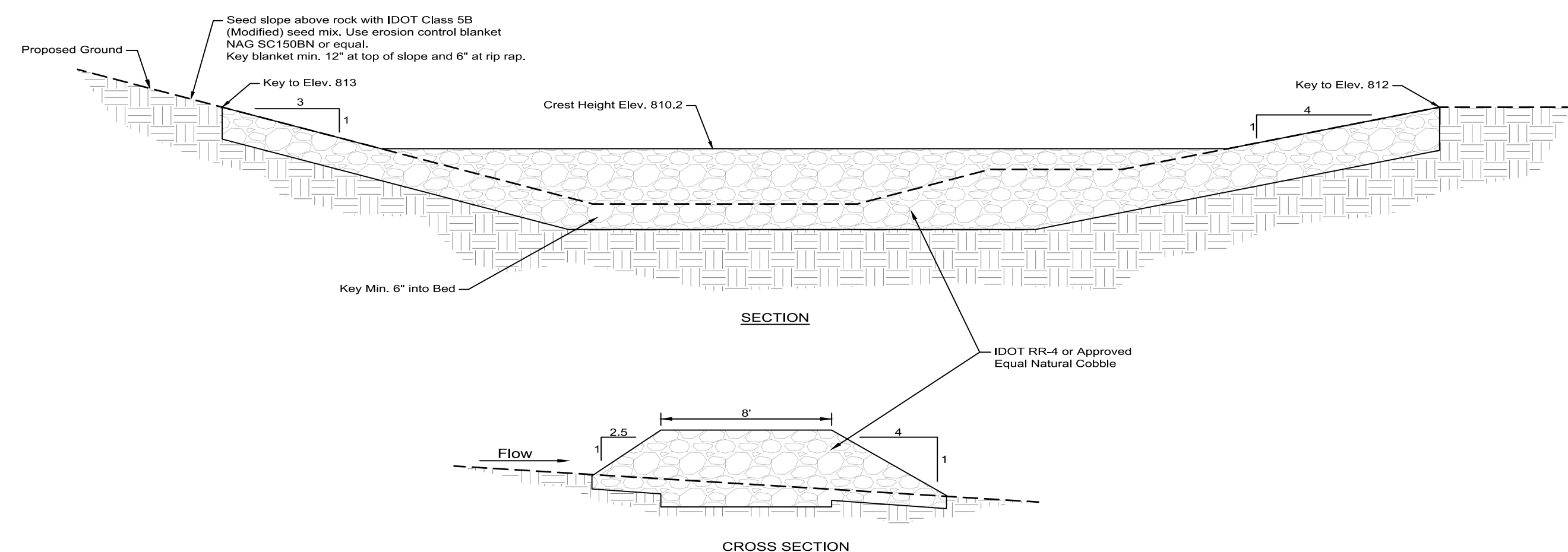
PROJECT NO: 25-0276		SHEET NO:
DESIGNED BY	AEP/ANJ	C6.4
DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

Bid Set



The Following Pay Items Pertain to this Detail:

- 18 - Earth Excavation
- 26 - Erosion Control Blanket (Special)
- 33 - Seeding, Class 5B (Modified)

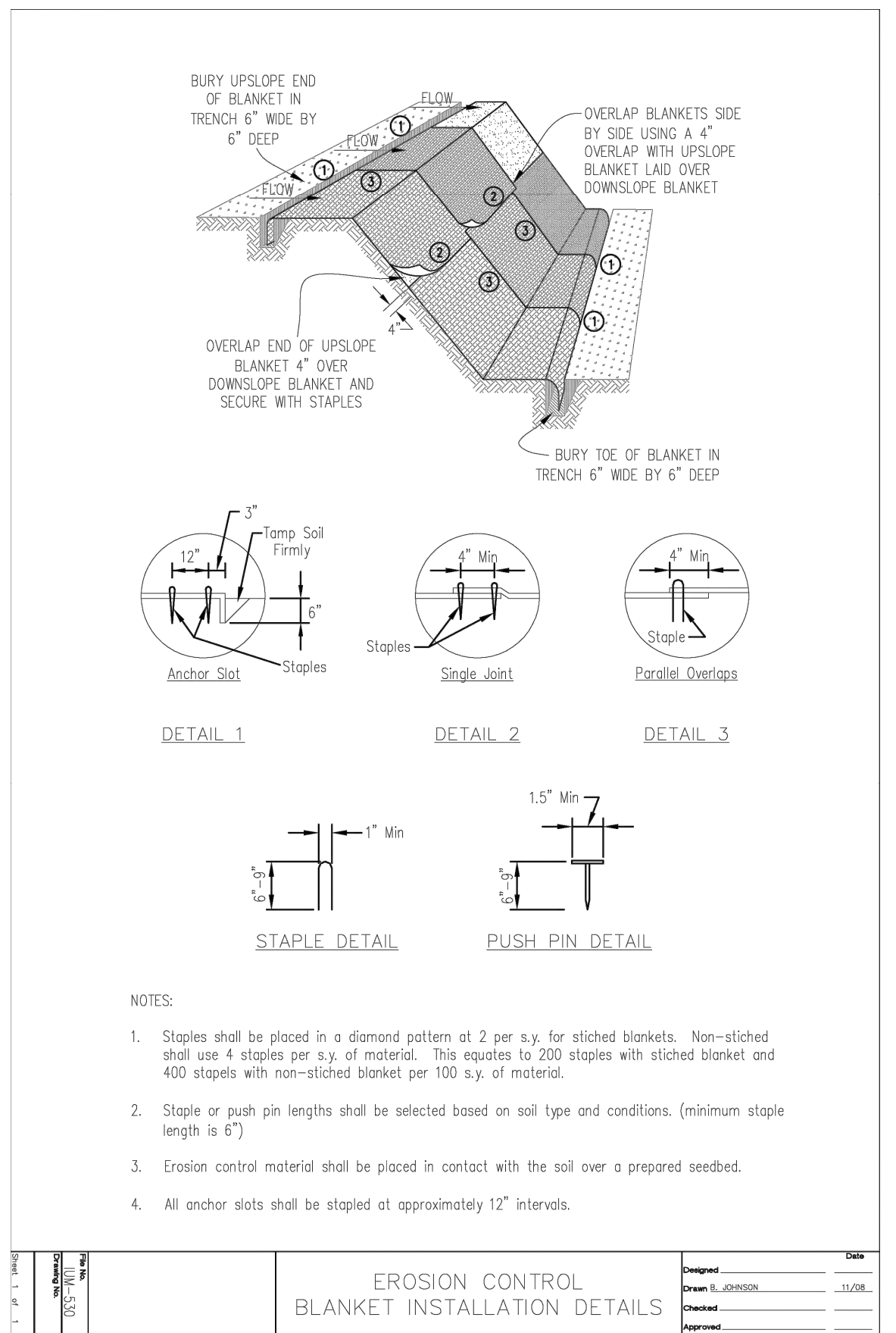


The Following Pay Items Pertain to this Detail:

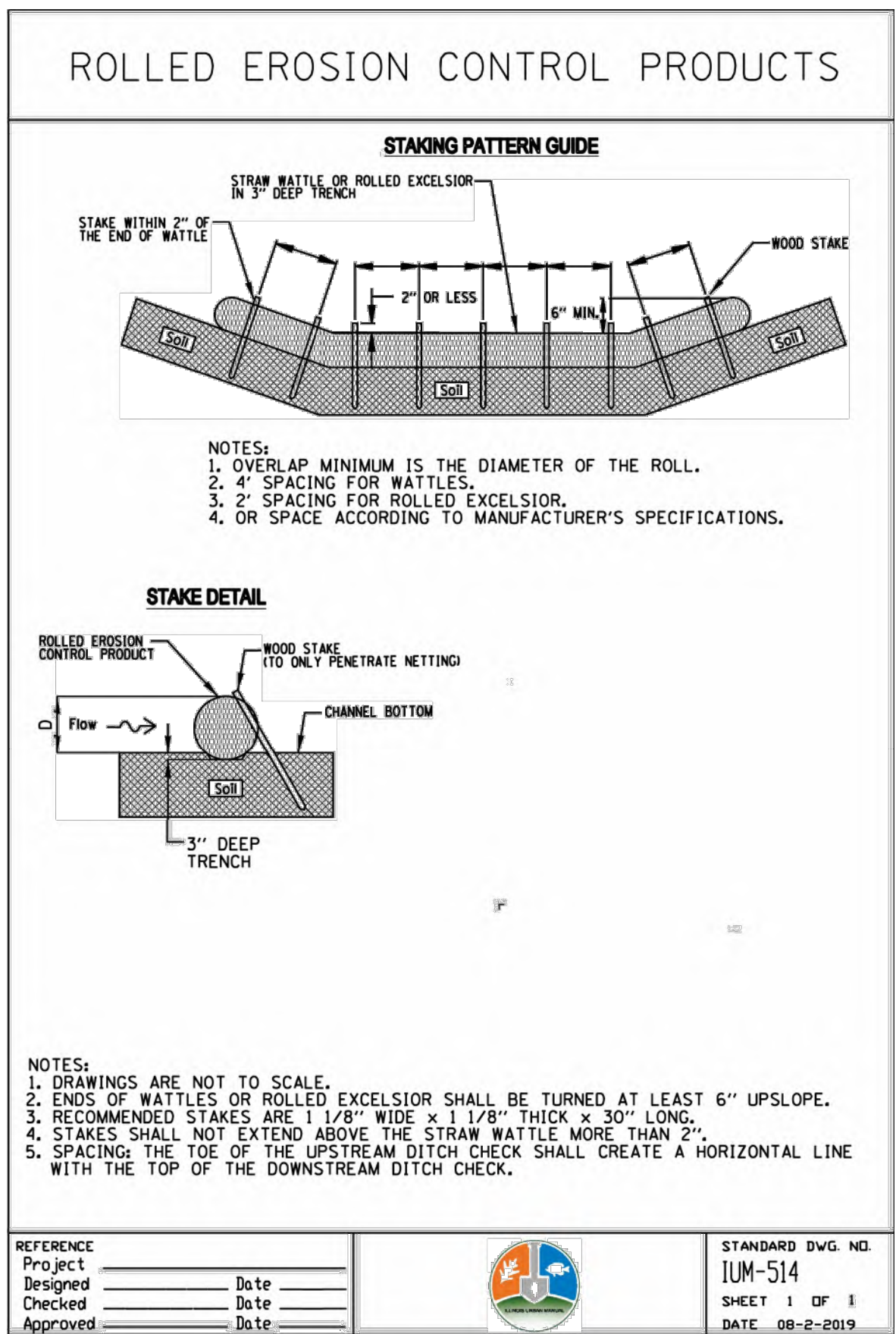
- 18 - Earth Excavation
- 21 - Stone Riprap, Class A4
- 26 - Erosion Control Blanket (Special)
- 33 - Seeding, Class 5B (Modified)

Notes:

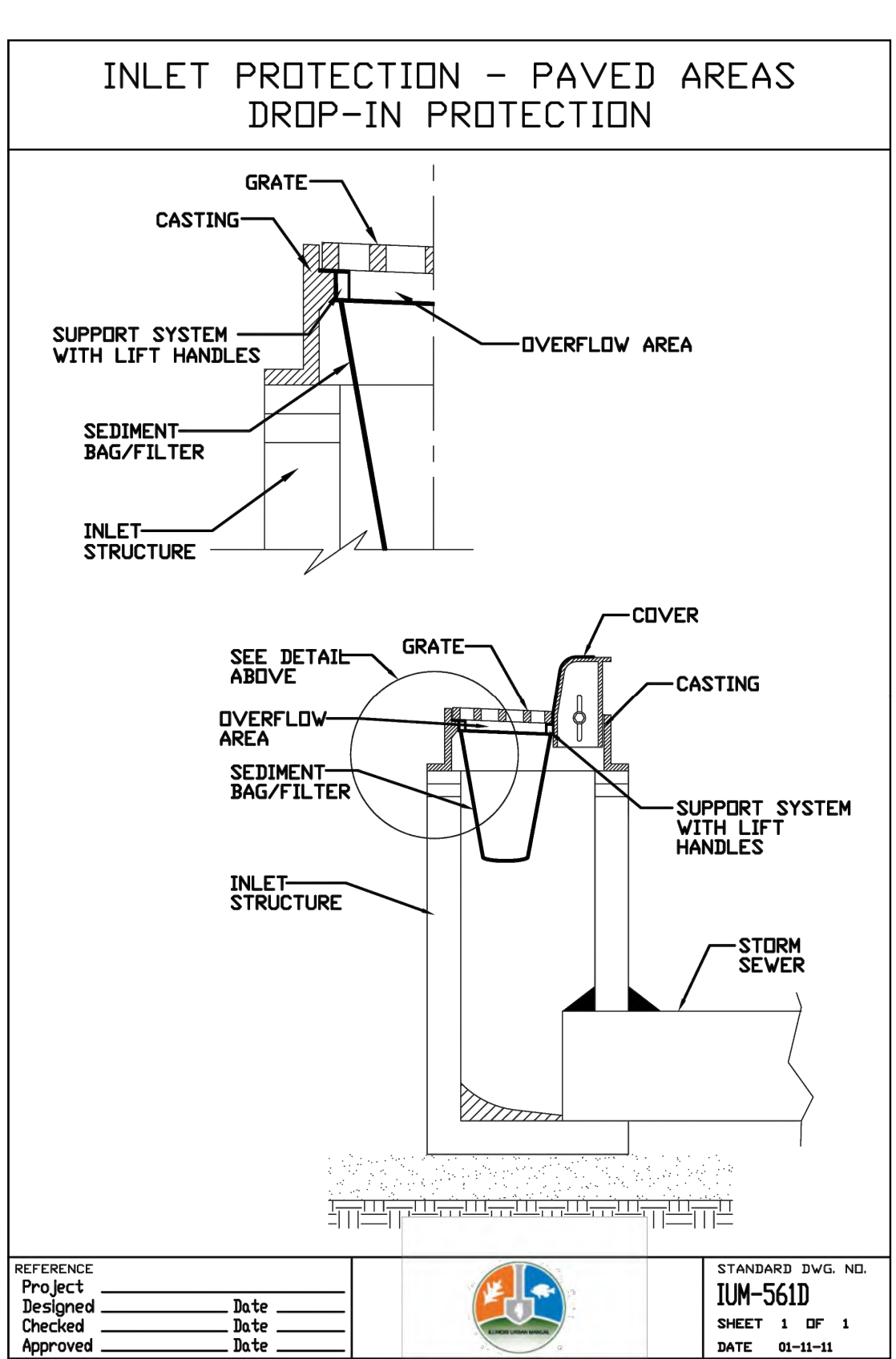
- No bedding stone or filter fabric required for treatment.
- All stone shall be as specified in the Illinois Department of Transportation (IDOT) "Standard Specifications for Road and Bridge Construction" (Current Edition) (Standard Specifications), with specific attention directed to Sections 281 and 1005.
- Material from keying can be placed in the channel upstream of the structure or nearby grade control riffles.



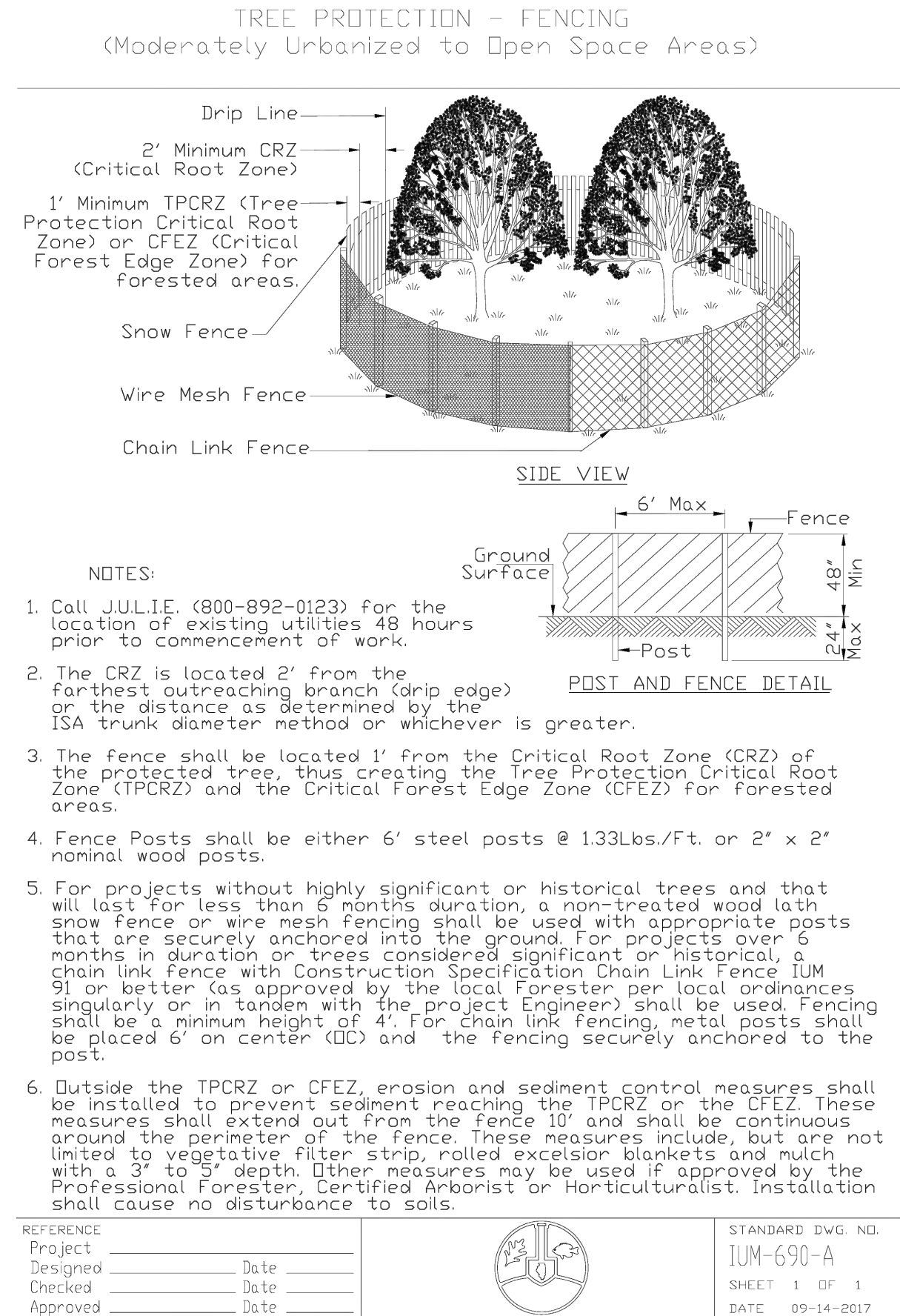
① Erosion Control Blanket Detail (Not to Scale)



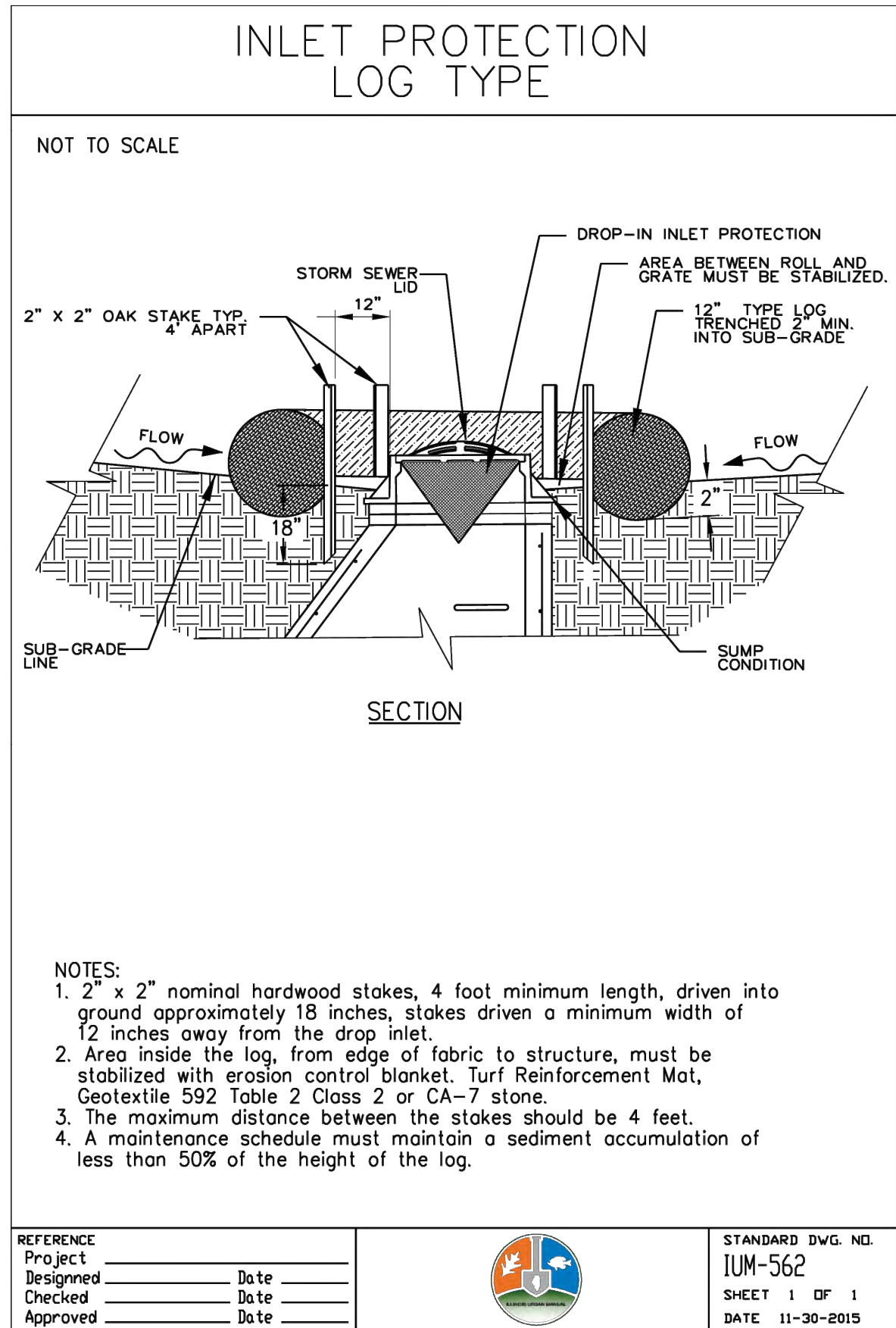
② Perimeter Erosion Control Barrier Detail (Not to Scale)



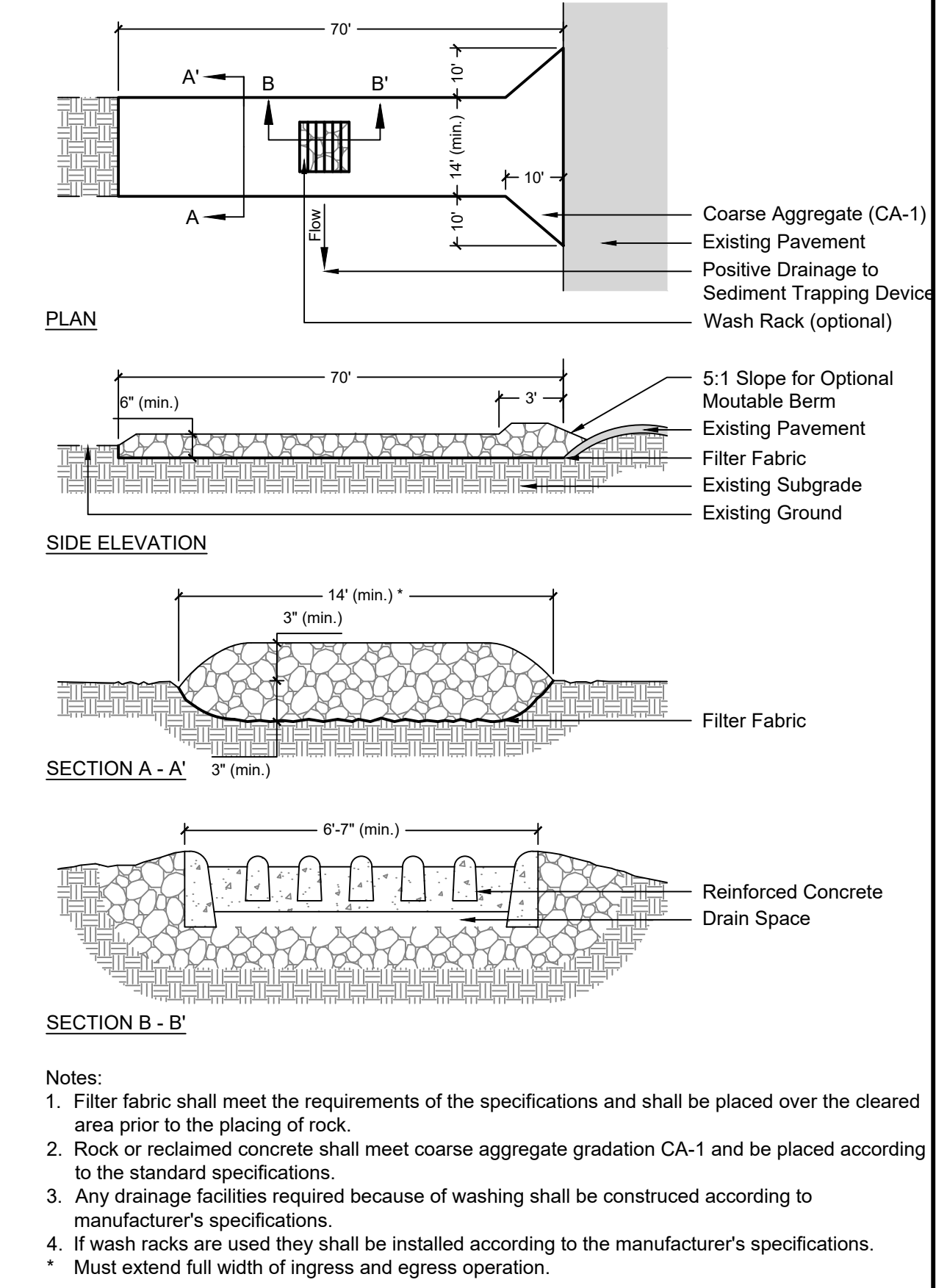
③ Paved Area Inlet Protection Detail (Not to Scale)



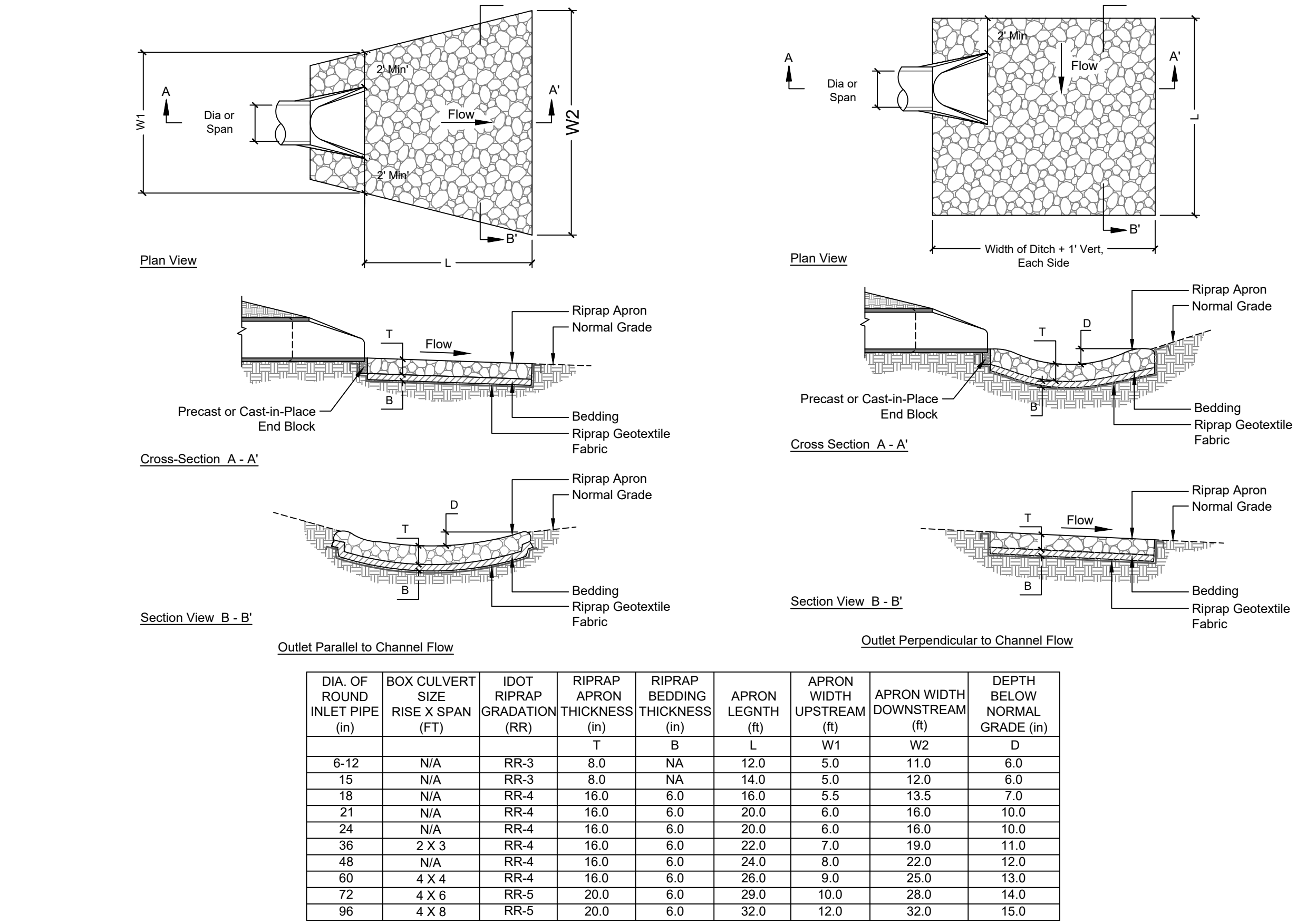
④ Tree Protection Detail (Not to Scale)



⑤ Unpaved Area Inlet Protection Detail (if needed) (Not to Scale)



⑥ Stabilized Construction Entrance Detail (Not to Scale)



⑦ Riprap Outlet Protection Detail (Not to Scale)

Scale bar measures 1" at full scale

LEGEND

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PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-002429

Madigan Creek Restoration - Phase I
Rockford Township, Winnebago County, Illinois

Details

PROJECT NO: 25-0276		SHEET NO:
DESIGNED BY	AEP/ANJ	C6.5
DRAWN BY	ANJ	
CHECKED BY	AEP	
APPROVED BY	DAK	
ISSUE DATE	07/16/2026	

Bid Set