

CITY OF PEORIA, ILLINOIS

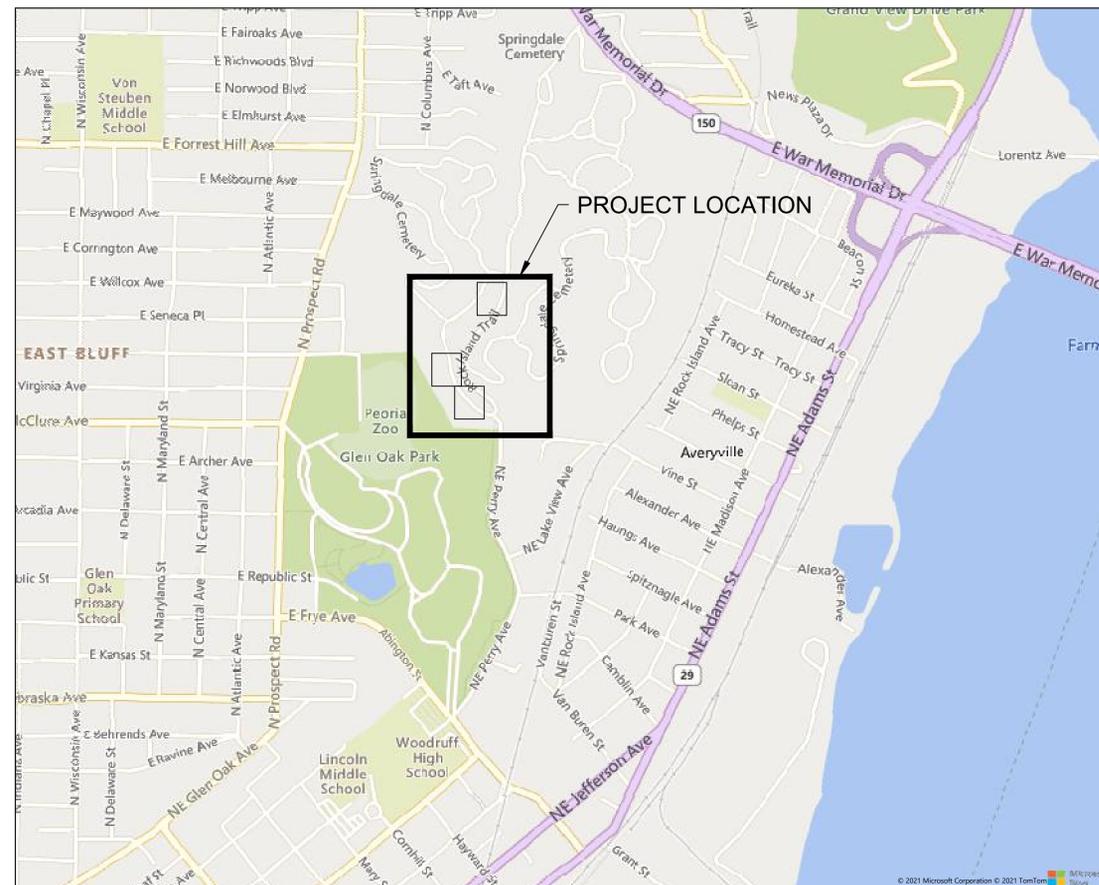
SPRINGDALE CREEK STREAMBANK

STABILIZATION

SPRINGDALE CEMETERY

Section - NW 1/4 OF SEC. 34-9N-8E

LOCATION MAP



INDEX OF DRAWINGS

COVER SHEET	
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C2.3	CROSS SECTIONS
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C3.1	SITE DETAILS
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OWNER

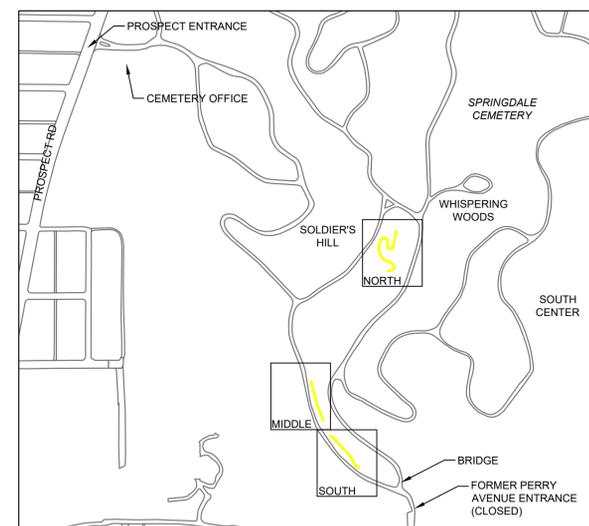
CITY OF PEORIA

NAME: _____

SIGNATURE: _____

DATE: _____

LOCATION DETAIL



APPLICABLE CODES

"STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", CURRENT EDITION, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION

"SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", CURRENT EDITION BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION

ILLINOIS URBAN MANUAL

PROFESSIONAL REGISTRATIONS

THE PORTION OF THIS TECHNICAL SUBMISSION DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION. I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS.

SIGNATURE: _____

NAME: **ROBERT B. LOTT**

DATE: **04/09/2022**

LICENSE RENEWAL DATE: **11/30/2023**

PAGES OR DIVISIONS COVERED: _____

CIVIL: _____

PROJECT NO.: 0181588.145

Design Firm Registration #184001856

DATE: 04/09/2022



GENERAL NOTES

1. THIS CONSTRUCTION SHALL BE IN ACCORDANCE WITH ANY SPECIAL PROVISIONS ACCOMPANYING THESE PLANS AND THE FOLLOWING SPECIFICATIONS:
 - A. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", CURRENT EDITION, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
 - B. "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", CURRENT EDITION BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
 - C. "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", CURRENT EDITION.
 - D. ILLINOIS URBAN MANUAL.
 - E. NRCS ILLINOIS FIELD OFFICE TECHNICAL GUIDE.
2. CONTACT J.U.L.I.E. 1-800-892-0123 FOR UTILITY LOCATE IN ADVANCE OF ANY CONSTRUCTION WORK.
3. SITE CONTRACTOR SHALL NOTIFY THE OWNER A MINIMUM OF 48 HOURS PRIOR TO THE START OF ANY CONSTRUCTION WORK.
4. CONTOURS SHOWN ARE DERIVED FROM PEORIA COUNTY GIS DATA.
5. THE CONTRACTOR SHALL COORDINATE DAILY WITH THE RE AND SPRINGDALE CEMETERY PERSONNEL. NO WORK SHALL BE COMPLETED AND NO CONSTRUCTION ACTIVITIES SHALL BE TAKE PLACE WITHIN SIGHT OF ANY ACTIVE FUNERAL PROCEEDINGS ON SITE.



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ISSUE:

#	DATE:	DESCRIPTION:
1	04/28/22	ADDENDUM #1

BID SET

PROJECT:
CITY OF PEORIA

SPRINGDALE CREEK STREAMBANK STABILIZATION

3014 N. PROSPECT RD.
PEORIA, IL 61603

DATE:	04/09/2022
DESIGNED:	RBL
DRAWN:	TWA
REVIEWED:	RBL
FIELD BOOK NO.:	-

SHEET TITLE:
OVERALL SITE PLAN

SHEET NUMBER:

C1.0

PROJECT NO.: 0181588.145



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- NOTES**
1. RE-USE EXISTING BOULDERS AND RIP RAP STREWN ALONG CREEK TO CONSTRUCT J-HOOK WEIRS, OR INCORPORATE STREAMBANK ARMAMENT.
 2. SEE SPECIAL PROVISIONS REGARDING TREE REMOVAL. ALL LARGE TREES TO REMAIN. CONTRACTOR TO GRADE AND ROCK AROUND ALL EXISTING LARGE TREES. SMALL TREES MAY BE TRIMMED OR REMOVED, BUT ROOTS IN STREAMBANK TO REMAIN TO PROVIDE ADDITIONAL STABILITY.
 3. TEMPORARY SILT FENCE, WADDLE OR OTHER MEASURES SHALL BE INSTALLED IN CHANNEL IF FLOWS AND LEVEL OF DISTURBANCE CREATE HIGH SEDIMENT LOADS IN THE CREEK THAT REQUIRE MITIGATION.
 4. ALL TRUCK AND CONSTRUCTION TRAFFIC TO REMAIN ON EAST SIDE OF CREEK - USE TEMPORARY CROSSING, AS NECESSARY.

PLANTING LEGEND

#	COMMON NAME	SCIENTIFIC NAME
3	AMERICAN SYCAMORE	PLATANUS OCCIDENTALIS
3	SUGAR MAPLE	ACER SACCHARUM
2	AMERICAN HORNBEAM	CARPINUS CAROLINIANA
2	FLOWERING DOGWOOD	CORNUS FLORIDA
6	EASTERN REDBUD	CERCIS CANADENSIS
2	RED OAK	QUERCUS RUBRA
18	TOTAL LIVE PLANTINGS	



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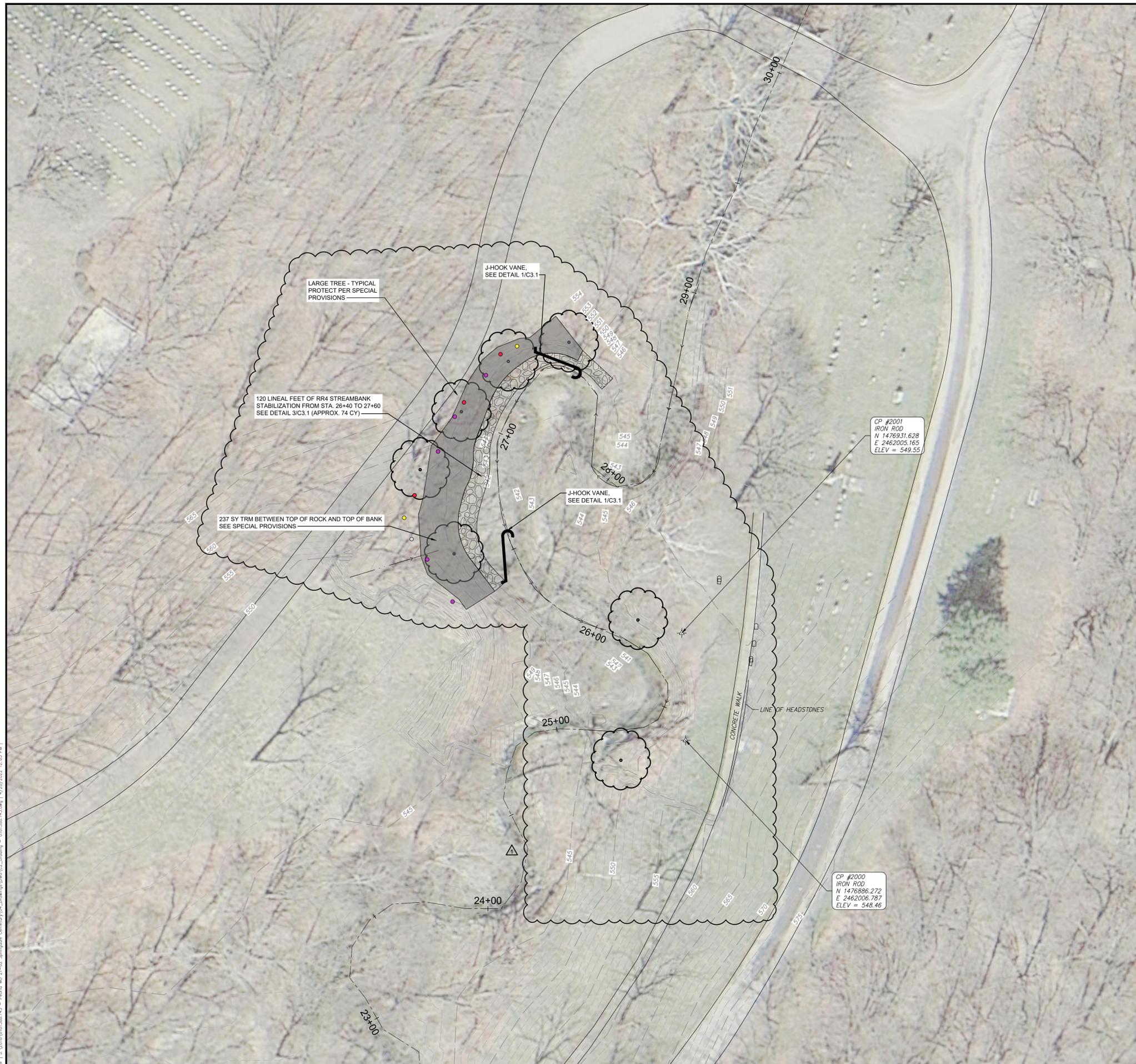
**GRADING AND
EROSION CONTROL
PLAN - SOUTH**

SHEET NUMBER:

C2.1

PROJECT NO.: 0181588.145

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1 GRADING AND EROSION CONTROL PLAN - NORTH
SCALE: 1"=20'

NOTES

- RE-USE EXISTING BOULDERS AND RIP RAP STREWN ALONG CREEK TO CONSTRUCT J-HOOK WEIRS, OR INCORPORATE STREAMBANK ARMAMENT.
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PLANTING LEGEND

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SHEET TITLE:

**GRADING AND
EROSION CONTROL
PLAN - NORTH**

SHEET NUMBER:

C2.2

PROJECT NO.: 0181588.145

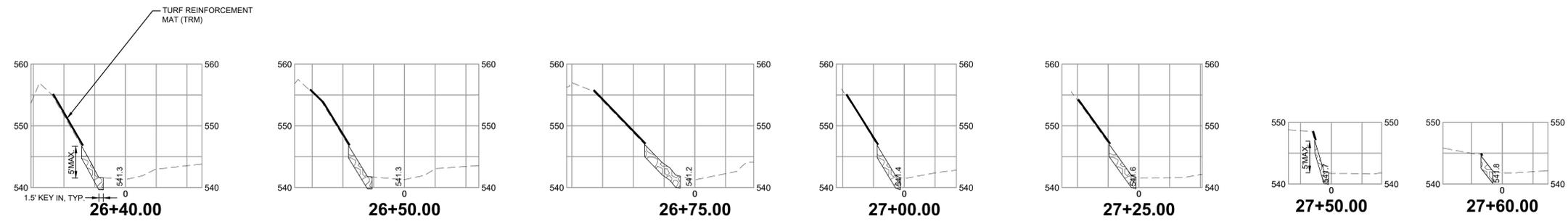


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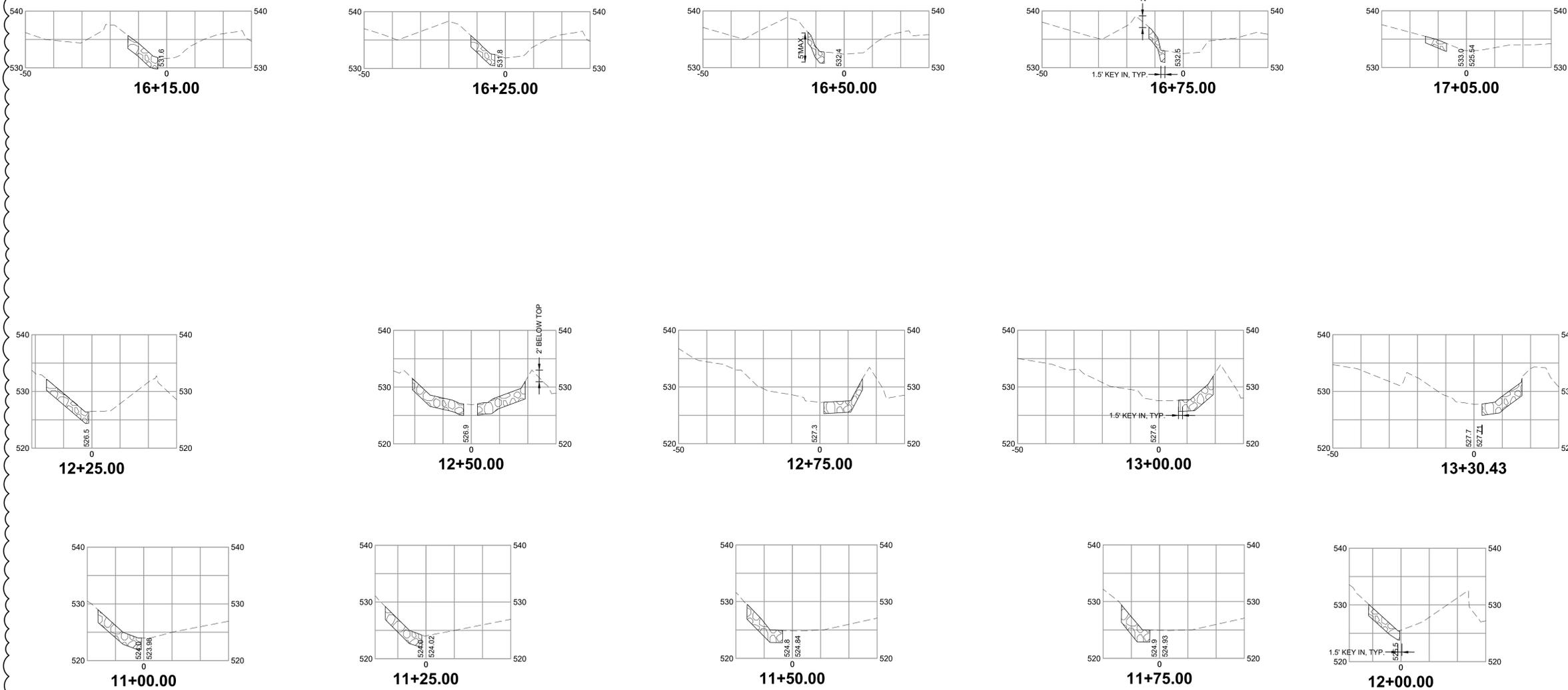
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1 CROSS SECTIONS - NORTH
SCALE: 1"=20'



1 CROSS SECTIONS - SOUTH
SCALE: 1"=20'

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SHEET TITLE:

CROSS SECTIONS

SHEET NUMBER:

C2.3

PROJECT NO.: 0181588.145

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1 DITCH CHECKS (ALTERNATE)
SCALE: 1"=20'



NOTES

1. RE-USE EXISTING BOULDERS AND RIP RAP STREWN ALONG CREEK TO CONSTRUCT J-HOOK WEIRS, OR INCORPORATE STREAMBANK ARMAMENT.
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SHEET TITLE:
**DITCH CHECKS
(ALTERNATE)**

SHEET NUMBER:

C2.4

PROJECT NO.: 0181588.145



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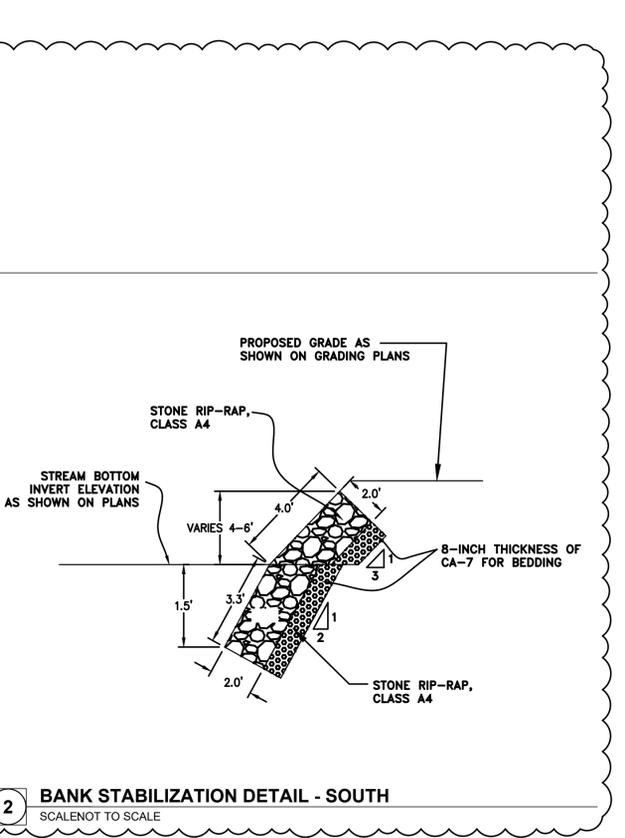
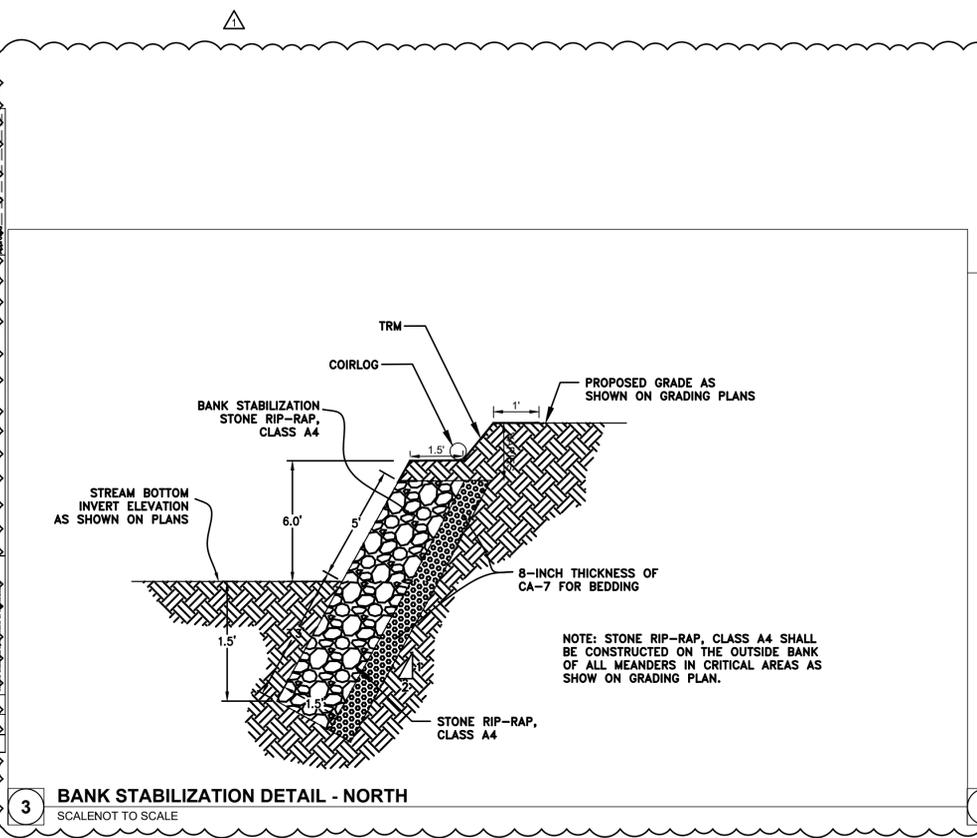
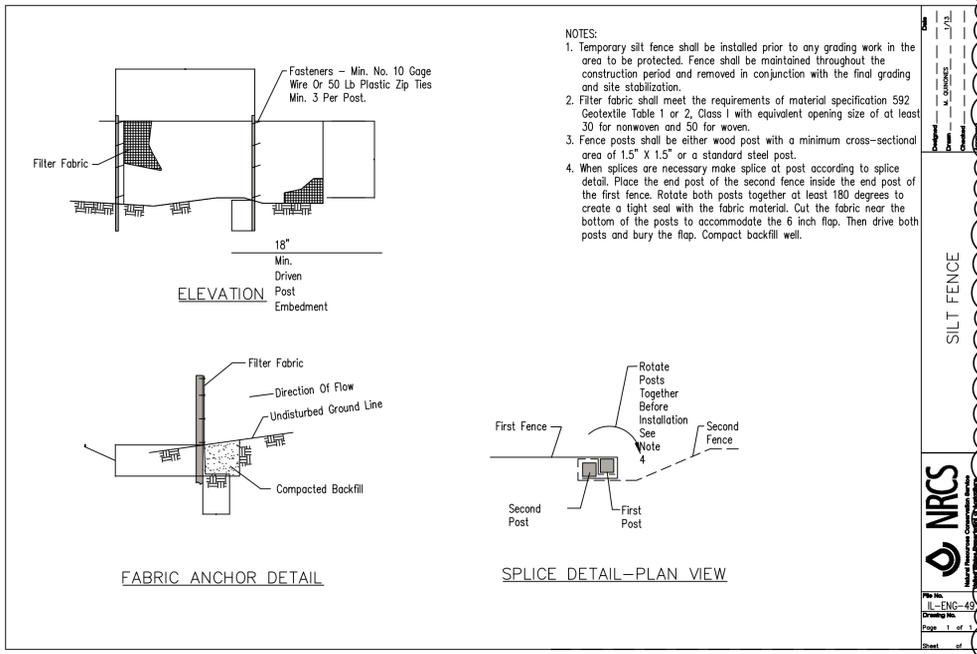
SHEET TITLE:

SITE DETAILS

SHEET NUMBER:

C3.1

PROJECT NO.: 0181588.145



A. GENERAL NOTES

- All construction shall be done in accordance with these plans and the State of Illinois "Standard Specifications for Road and Bridge Construction, Adopted April 1, 2016", including all addenda and supplemental specifications and recurring special provisions adopted April 1, 2016 hereinafter referred to as the Standard Specifications.
- Contractor shall verify location of all existing utilities before beginning construction. Contractor shall call J.U.L.I.E. prior to beginning construction.
- All excess material shall be disposed of off the job site by the Contractor.
- The General Contractor is responsible for construction layout for this project.

B. GENERAL NOTES - AUTHORITY AND RESPONSIBILITY

- The Engineer shall not be responsible for the means, methods, procedures, techniques, or sequences of construction, nor safety on the job site, nor shall the Engineer be responsible for the Contractor's failure to carry out the work in accordance with the contract documents. Neither the professional activities of the Engineer nor the presence of the Engineer at a construction site shall relieve the Contractor of their obligations, duties, and responsibilities including any health and safety precautions required by any regulatory agencies.

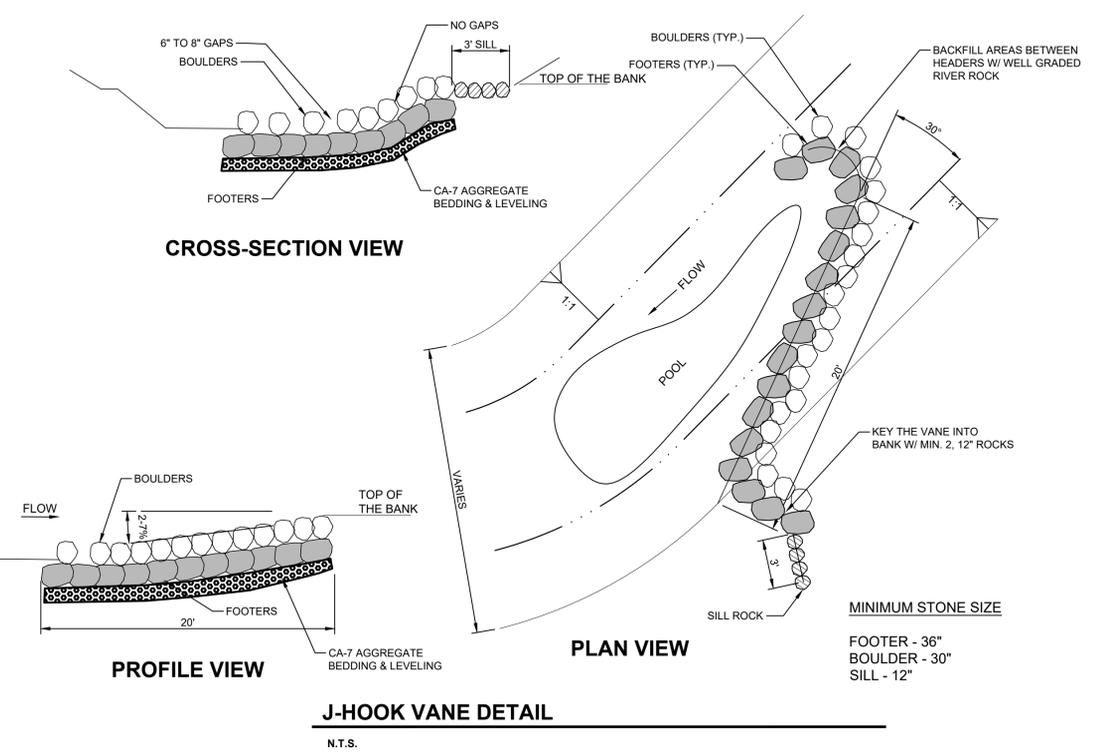
In addition, the standard specifications for road and bridge construction shall be modified as follows:

Under Section 105, add the following sentence:

Nothing contained herein shall relieve Contractor of its duty to observe and comply with all applicable laws, nor shall Engineer be responsible for Contractor's compliance or non-compliance with such laws.

Under Section 107.01, add the following sentence:

Engineer shall not be responsible for Contractor's duty to observe and comply with the provisions of this Section, or for Contractor's failure to do so.



J-HOOK NOTES

- THE CONTRACTOR SHALL DETERMINE ALL MEANS AND METHODS FOR INSTALLING THE J-HOOK VANES. EQUIPMENT IS REQUIRED TO PERFORM ALL WORK FROM THE TOP OF THE BANK WITHOUT ENTERING THE WATERWAY, UNLESS DIRECTED BY THE ENGINEER. ALL STREAM BED AND BANK DISTURBANCE BEYOND THE EXTENTS OF THE J-HOOK CONSTRUCTION MUST BE RESTORED TO PRE-CONSTRUCTION CONDITIONS.
- SEE J-HOOK VANE WEIR SPECIFICATIONS. THE CONTRACTOR SHALL MEASURE LIMESTONE ROCKS AND ADJUST THE TRENCH DIMENSIONS ACCORDINGLY TO MEET THE PROPOSED HEIGHT AND PITCH OF VANE. ROCK DIMENSIONS ARE MEASURED ALONG THEIR INTERMEDIATE AXIS. NUMBER OF ROCKS WILL VARY DEPENDING ON SIZE.
- EXCAVATED TRENCH WIDE ENOUGH FOR ALL COURSES OF FOOTER (BOTTOM) AND HEADER (TOP) ROCKS. OVER-EXCAVATE TO PROVIDE A 4-INCH (MINIMUM) COURSE OF AGGREGATE BEDDING UNDER THE FOOTER ROCKS (PER THE FIELD MEASUREMENT OF ROCKS IN NOTE 2) TO ALLOW FOR MINOR GRADE ADJUSTMENT OF THE FOOTER ROCKS AND TO DETER SETTLE.
- BEGIN AT THE UPSTREAM END OF THE VANE, PLACING FOOTER (BOTTOM) ROCKS FIRST. PLACE HEADER (TOP) ROCKS ABOVE AND BEHIND FOOTERS USING CA-7 AGGREGATE MIX AS BEDDING AND FOR LEVELING TO ADJUST HEADERS TO PROPOSED HEIGHT. ENSURE THAT ROCKS INCREASE IN ELEVATION AS THEY EXTEND FROM THE UPSTREAM END OF THE ROCK VANE INTO THE STREAM BANK.
- CONTINUE INSTALLING CA-7 AGGREGATE AS A LEVELING COURSE UNDER ROCKS AND INSTALL WELL-GRADED RIVER ROCK AS A CHOKE STONE BEHIND BOULDERS, EXTENDING TO THE TOP OF ROCKS AND EXTENDING UPSTREAM OF THE ROCKS (BETWEEN THE VANE LEGS AND THE STREAM BED/BANK). HAND PLACE LARGE RIVER ROCK BETWEEN ROCK BOULDERS TO FILL GAPS.
- ROCKS SHOULD GENERALLY VARY BETWEEN 30" AND 36" IN DIAMETER
- UPSTREAM SIDES OF ROCKS WILL BE BACKFILLED WITH WELL-GRADED RIVER ROCK TO PREVENT PIPING UNDER GRADE CONTROL STRUCTURES
- J-HOOK VANE LEG SHALL BE ANGLED TO DIRECT FLOW TOWARD THE CENTER OF THE STREAM CHANNEL BETWEEN THE LEGS TOWARD THE SCOUR POOL. THE SCOUR POOL SHOULD BE LOCATED SO THAT IT DOES NOT UNDERMINE THE FOOTER ROCKS. THE SCOUR POOL SHOULD BE ADJACENT TO THE J-HOOK LEG AND NOT DOWNSTREAM OF THE J-HOOK STRUCTURE.
- ENGINEER SHALL BE ON SITE DURING CONSTRUCTION OF J-HOOK VANE TO FACILITATE PLACEMENT OF STRUCTURE.

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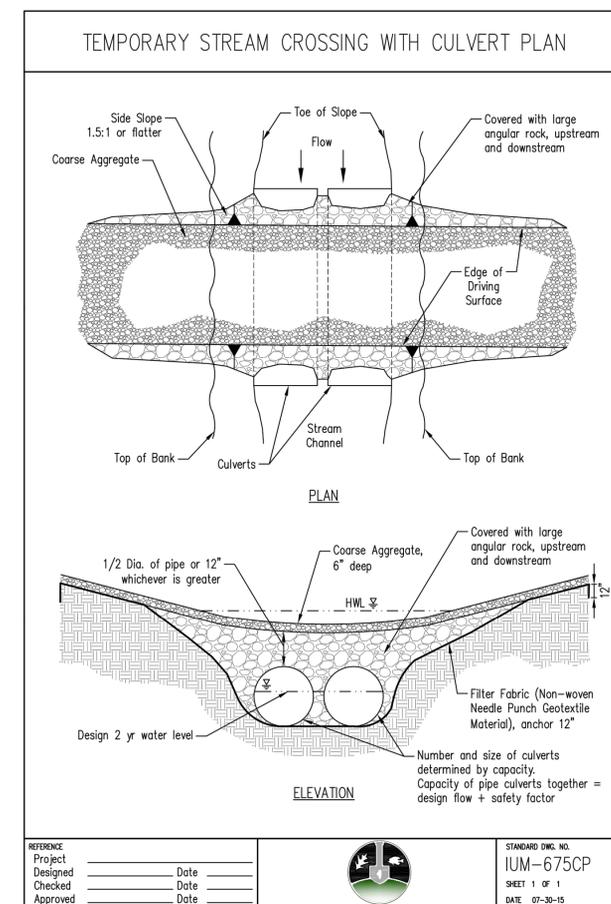
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SITE DETAILS

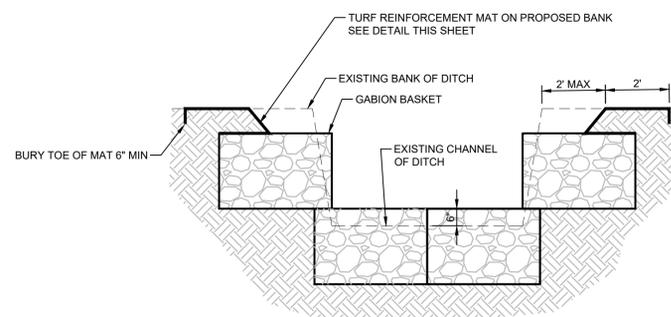
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C3.2

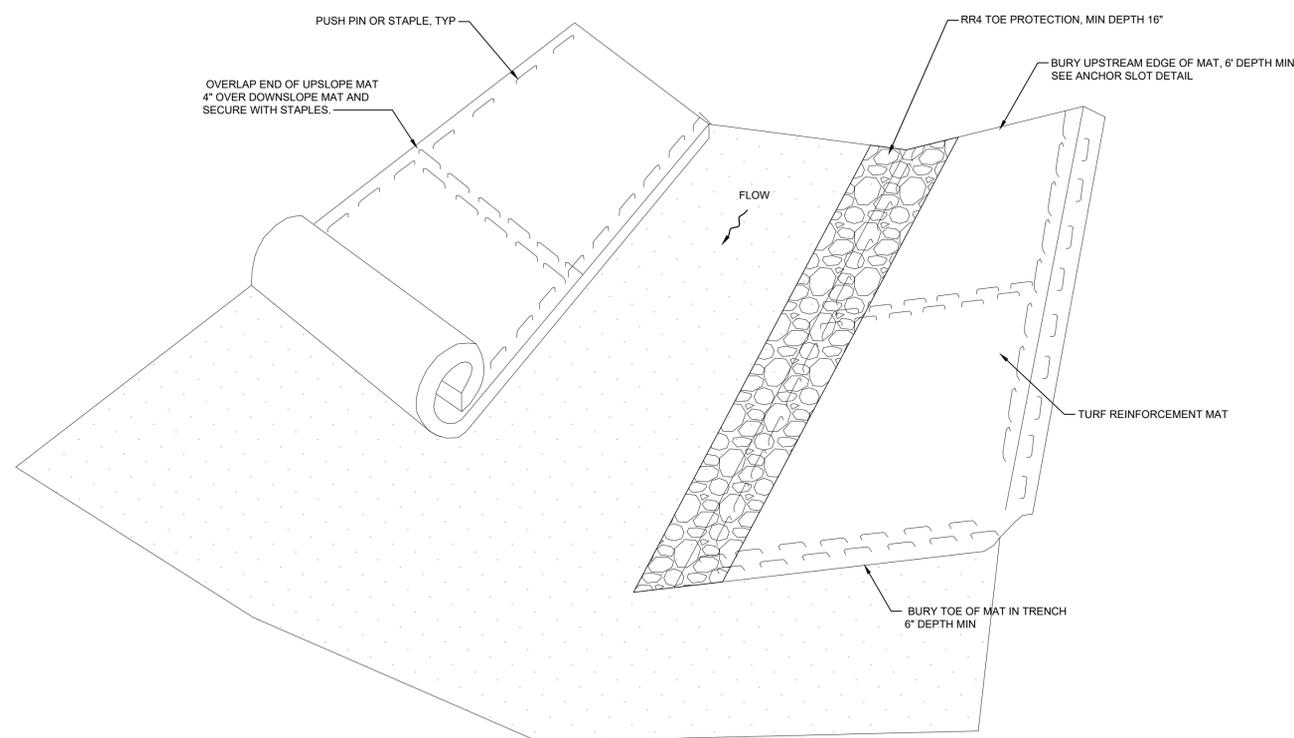
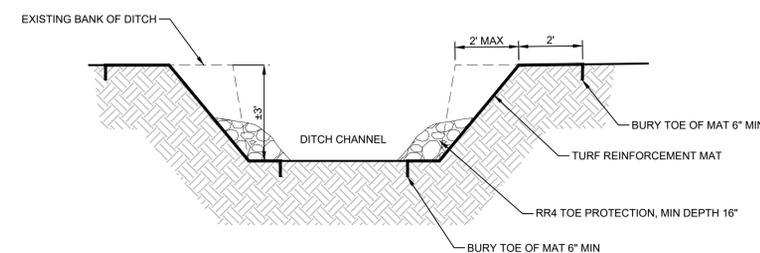
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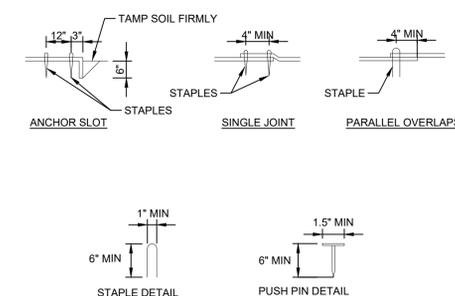
2 TEMPORARY STREAM CROSSING
SCALE: NOT TO SCALE



3 GABION BASKET DITCH CHECK - ALTERNATE
SCALE: NOT TO SCALE



1 DITCH STABILIZATION - ALTERNATE
SCALE: NOT TO SCALE



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