

REQUEST FOR PROPOSAL FORM

PROJECT: Pedestrian Bridge Erosion Repair
 OWNER: Town of Palmer Lake
 DUE DATE: Monday May 2, 2022, 5:00 p.m. MST

THE UNDERSIGNED PROPOSER, having familiarized himself with the conditions affecting the performance of the work and with the Contract Drawings, as prepared by GMS, Inc., Consulting Engineers and others, all of which are attached and made a part hereof, hereby proposes to furnish all plant, equipment, labor, materials and supervision to perform the work summarized hereafter for each proposal amount inserted.

The total proposal cost for each item includes all work necessary to complete that portion of the project described in each item and given on the Contract Drawings, and the total of all proposal costs represents the entire scope of work covered by the Contract Drawings. The proposal shall include all safety, protection and temporary containment measures necessary to preclude pedestrian traffic from interfering with work activities and to maintain public safety around the work site. The attached Contract Drawings Include:

1. Sheet 1 of 3 – West Abutment Plan, Pedestrian Bridge Erosion Repair, prepared by GMS, Inc. dated April 25, 2022
2. Sheet 2 of 3 – Section and Elevation, Pedestrian Bridge Erosion Repair, prepared by GMS, Inc. dated April 25, 2022
3. Sheet 3 of 3 – Riprap Plan, Pedestrian Bridge Erosion Repair, prepared by GMS, Inc. dated April 25, 2022
4. Sheet 1 – Temporary Clearance Envelope, Bridge Standards, prepared by UP/BNSF Railway, Inc. dated January 5, 2016

The Proposer certifies that this Proposal is genuine and is not made in the interest of, or on the behalf of, any undisclosed person, firm or corporation, and that this Proposal has been arrived at independently, without consultation, communication or agreement as to any matter relating to this Proposal with any other Proposer or competitor.

The Owner may select the proposal that best suits the Owner's needs for the project. The Owner reserves the right to reject a proposal if it does not support the Owner's best interest in completing the work.

WORK ITEM	PROPOSAL COST
No. 1: Furnish all labor, equipment and materials to install Flow-Fill erosion repair, including surface cleaning and preparation of existing soil and concrete footing; placement and support of formwork; placement, curing and finishing of Flow-Fill with fiber reinforcement and all miscellaneous items, complete in place.	\$ _____
No. 2: Furnish all labor, equipment and materials to install Riprap Erosion Protection, including installation and anchoring of filter fabric; placement of riprap; finishing and cleanup of disturbed areas and all miscellaneous items, complete in place.	\$ _____
TOTAL OF ALL PROPOSAL ITEMS	\$ _____

The Proposer will initiate construction activities by the following date: _____

The Proposer will complete construction activities by the following date: _____

Firm Name: _____ Phone Number: _____

Business Address: _____ By (title): _____

Signature: _____

Date: _____

GENERAL

1. THE LOCATIONS OF EXISTING UTILITIES AND OTHER UNDERGROUND APPURTENANCES HAVE NOT BEEN RESEARCHED OR SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL COORDINATE AS NECESSARY TO IDENTIFY POTENTIAL UNDERGROUND UTILITIES AND APPURTENANCES THAT MAY BE IMPACTED BY THE WORK AND PROTECT THOSE ITEMS FROM DAMAGE OR INTERRUPTION DURING THE COURSE OF CONSTRUCTION. THE ENGINEER AND/OR OWNER ASSUMES NO RESPONSIBILITY FOR ANY UNDERGROUND UTILITIES OR APPURTENANCES.
2. THE CONTRACTOR SHALL NOT DISTURB ANY EXISTING UTILITIES, PIPING OR APPURTENANCES UNLESS SPECIFICALLY NOTED ON THE DRAWINGS. ALL UTILITIES, PIPING AND APPURTENANCES SHALL REMAIN IN SERVICE AT ALL TIMES DURING CONSTRUCTION UNLESS OTHER ARRANGEMENTS, ACCEPTABLE TO THE OWNER, ARE MADE BETWEEN THE CONTRACTOR AND THE RESPECTIVE ITEM'S OWNER(S).
3. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH APPLICABLE STANDARDS AND REGULATIONS AS SET FORTH BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).
4. THE INFORMATION SHOWN ON THE DRAWINGS WERE OBTAINED FROM THE SIGNED AND SEALED BID DRAWINGS FOR THE BRIDGE FOUNDATIONS PREPARED BY HCDA ENGINEERING, INC. ISSUED SEPTEMBER 9, 2019. THE CONTRACTOR SHALL REVIEW AND VERIFY THE EXISTING SITE CHARACTERISTICS AND INFORM HIMSELF OF THE CONDITIONS TO BE ENCOUNTERED DURING CONSTRUCTION.
5. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION LAYOUT FOR BOTH HORIZONTAL AND VERTICAL DATA. THE DRAWINGS CONTAIN DIMENSIONS ON KEY FEATURES TOGETHER WITH ELEVATION INFORMATION THROUGHOUT THE PROJECT FOR THE CONTRACTOR'S USE IN LAYOUT OF THE THE PROJECT WORK. ALL LAYOUT SHALL BE COORDINATED WITH THE ENGINEER AND IS SUBJECT TO REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
6. SOIL BORINGS HAVE NOT BEEN UNDERTAKEN ON THE PROJECT. EACH BIDDER MUST FORM HIS OWN OPINION OF THE CHARACTER OF THE MATERIALS THAT WILL BE ENCOUNTERED FROM A FIELD INSPECTION AND FROM SUCH OTHER INVESTIGATIONS AS HE MAY DESIRE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LEGAL DISPOSAL OF ANY EXCESS SOIL, DEBRIS AND WASTE MATERIAL OFF THE PROJECT SITE. THOSE COMPONENTS REMOVED BY THE CONTRACTOR AND DEEMED AS SALVAGE BY THE OWNER SHALL BE DELIVERED TO THE OWNER BY THE CONTRACTOR.
8. EXISTING SOIL MATERIAL EXCAVATED FOR THE WORK SHALL BE BACKFILLED AND USED ON SITE TO AVOID THE NEED TO REMOVE IT FROM THE SITE. FINAL GRADING SHALL NEATLY BLEND INTO SURROUNDING AREAS AND PROVIDE FOR COMPLETE DRAINAGE AWAY FROM STRUCTURES. RESTORE DRAINAGE PATTERNS TO AS GOOD AS, OR BETTER THAN, ORIGINALLY FOUND.
9. SOIL COMPACTION SHALL BE TO A MINIMUM OF 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D698. COMPACTION TESTING WILL BE CONDUCTED AT THE DISCRETION OF THE OWNER.
10. DO NOT PLACE ANY FILL MATERIALS OR PERFORM COMPACTION ACTIVITIES IN UNACCEPTABLE CONDITIONS OF FROST, EXCESS MOISTURE, UNSTABLE MATERIAL, ETC. PROTECT ALL EXISTING STRUCTURES AND NEW WORK FROM DAMAGE DURING COMPACTION ACTIVITIES.
11. SEEDING OF THE CONSTRUCTION AREA IS NOT REQUIRED, THE OWNER SHALL COMPLETE SEEDING AT A LATER TIME. LIMIT THE AREAS OF DISTURBANCE TO THE ABSOLUTE MINIMUM REQUIRED TO COMPLETE THE WORK.
12. DO NOT DISTURB OR REMOVE ANY EXISTING TREES OR VEGETATION WITHOUT PRIOR AUTHORIZATION FROM THE OWNER.
13. COORDINATE ALL WORK WITH THE ENGINEER AND OWNER. WORK TIMES AND WORK AREAS SHALL BE CLOSELY MONITORED TO LIMIT THE DISRUPTION OR IMPACT TO PUBLIC USE OF THE BRIDGE, AND TO AVOID ANY CONFLICTS WITH THE NORMAL OPERATIONS OF THE PUBLIC FACILITIES.
14. ANY SIGNS, FENCING, OR OTHER APPURTENANCES REMOVED DURING CONSTRUCTION SHALL BE REINSTALLED IN THE SAME LOCATION AND CONDITION AS ORIGINALLY FOUND.
15. LIMIT WORK TO THE IMMEDIATE AREA NECESSARY. UNDER NO CIRCUMSTANCES SHALL PERSONNEL ENTER, OR WORK ACTIVITIES TAKE PLACE WITHIN, RAILROAD RIGHT-OF-WAY. ALL WORK SHALL BE PERFORMED WITHOUT DISTURBANCE OR DISRUPTION TO RAILROAD OPERATIONS.

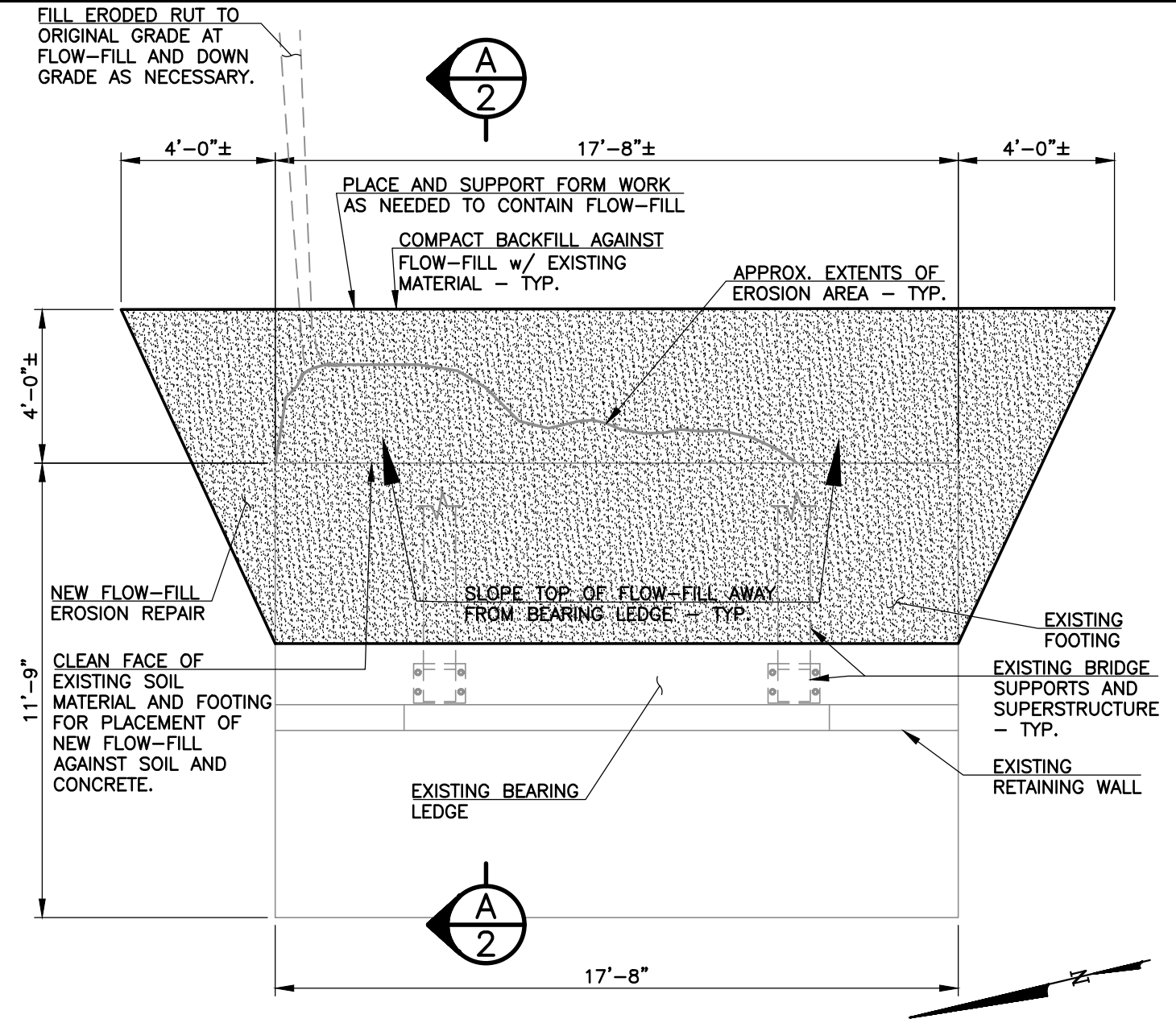
WORK ACTIVITIES

1. ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, AND THE 2015 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC), AS ADOPTED AND AMENDED BY THE AUTHORITY HAVING JURISDICTION.
2. THE WORK IS DESIGNED TO BE STABLE AND SELF SUPPORTING AT THE COMPLETION OF CONSTRUCTION. TEMPORARY BRACES, GUYS, TIE-DOWNS, SHORING, ETC. DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. WORK CONDITIONS WHERE SECTIONS OR DETAILS ARE CUT SHALL ALSO APPLY TO COMPARABLE SIMILAR LOCATIONS ELSEWHERE ON THE PLANS REGARDLESS IF THE SECTION MARK IS NOT INDICATED. DETAILS SHOWN APPLY TO ALL SIMILAR CONDITIONS UNLESS NOTED OTHERWISE.
4. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS, QUANTITIES, ETC., IN THE FIELD PRIOR TO THE BEGINNING OF ANY NEW CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES FOUND IMMEDIATELY.
5. CONTRACTOR SHALL VERIFY AND COORDINATE THE FINAL LOCATION, LAYOUT, DIMENSION, AND DETAILS OF ALL WORK. THE CONTRACTOR SHALL CONSULT WITH THE SUBCONTRACTORS AND SUPPLIERS TO OBTAIN THE REQUIREMENTS FOR EQUIPMENT AND/OR MATERIALS THAT WILL BE PROVIDED FOR THE PROJECT. VARIATIONS TO THE WORK INDICATED ON THE CONSTRUCTION DOCUMENTS SHALL BE COORDINATED AND INSTALLED AT NO ADDITIONAL COST, AFTER REVIEW AND APPROVAL BY THE ENGINEER IS OBTAINED.
6. THE DRAWINGS REPRESENT THE FINISHED WORK, NOT THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE EXISTING STRUCTURES DURING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, BRACING, SHORING, UNDERPINNING FOR CONSTRUCTION LOADS AND EQUIPMENT, ETC. THE ENGINEER IS NOT RESPONSIBLE FOR THE CONTRACTOR'S MEANS AND METHODS, SEQUENCES OF CONSTRUCTION, OR THE SAFETY PROGRAM. OBSERVATION VISITS TO THE SITE BY THE ENGINEER WILL NOT INVOLVE REVIEW OF THESE ITEMS.
7. ALL RIPRAP SHALL MEET CDOT SPECIFICATIONS FOR NOMINAL SIZE OF 12" AND ALL FILTER FABRIC SHALL MEET CDOT SPECIFICATION 712 FOR WOVEN GEOTEXTILES USED FOR PERMANENT EROSION CONTROL, CLASS 3.

CONCRETE AND FLOW-FILL

1. ALL FLOW-FILL WORK SHALL BE COMPLETED IN ACCORDANCE WITH CDOT SPECIFICATIONS. FLOW-FILL SHALL MEET CDOT SPECIFICATION 206.02(a)2 FOR STRUCTURAL BACKFILL (FLOW-FILL) MATERIAL AND CDOT SPECIFICATION 206.03 FOR CONSTRUCTION REQUIREMENTS OF STRUCTURAL BACKFILL (FLOW-FILL).
2. FLOW-FILL SPECIFICATIONS
 - A. CEMENT: TYPE I/II
 - B. MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS: 50 PSI
 - C. MAXIMUM WATER/CEMENT RATIO: 0.7
 - D. SLUMP: 7" - 10"
 - E. AIR ENTRAINMENT: 6% ±1%
 - F. CONFORM TO CDOT SPECIFICATION 206.02(a)2
3. FIBER REINFORCEMENT SHALL BE PROVIDED FOR ALL FLOW-FILL APPLICATIONS
 - A. POLYPROPYLENE FIBERS: FIBERMESH 150
 - B. CELLULOSE FIBERS: BUCKEYE ULTRAFIBER 500
 - C. OR EQUAL FIBERS
 - D. SUPPLY 1.5 CUBIC FEET PER CUBIC YARD OF FLOW-FILL IN MANUFACTURER'S STANDARD VOLUMETRIC PACKAGING
4. FLOW-FILL SHALL BE COMPLETELY CONSOLIDATED IN PLACE BY VIBRATORY METHODS OR EQUAL TO ENSURE AIR VOIDS AND HONEYCOMBING DO NOT EXIST.
5. FLOW-FILL FORMS SHALL BE OF PLYWOOD OR SIMILAR MATERIAL TO SUITABLY SUPPORT THE FLOW-FILL DURING THE CURING PROCESS. ONLY THE THREE EXPOSED SIDES SHALL BE FORMED. THE SIDE UNDER/AT THE FACE OF FOOTING SHALL BE POURED AGAINST EXISTING SOIL MATERIAL. CLEAN THE VERTICAL SURFACE OF THE EXISTING SOIL MATERIAL UNDER/AT THE FOOTING FACE OF LOOSE MATERIAL, BUT DO NOT OVER-EXCAVATE OR UNDERMINE THE FOOTING IN ANY WAY. POUR FLOW-FILL AGAINST THE CLEANED VERTICAL SURFACE OF EXISTING SOIL MATERIAL.

FILL ERODED RUT TO ORIGINAL GRADE AT FLOW-FILL AND DOWN GRADE AS NECESSARY.



1 WEST ABUTMENT PLAN
1 SCALE: 1/4" = 1'-0"

BRIDGE EROSION REPAIR SHT 1.DWG

TOWN OF PALMER LAKE
PEDESTRIAN BRIDGE EROSION REPAIR
WEST ABUTMENT PLAN

GMS, INC.

CONSULTING ENGINEERS
611 N. WEBER, SUITE 300
COLORADO SPRINGS, COLORADO 80903

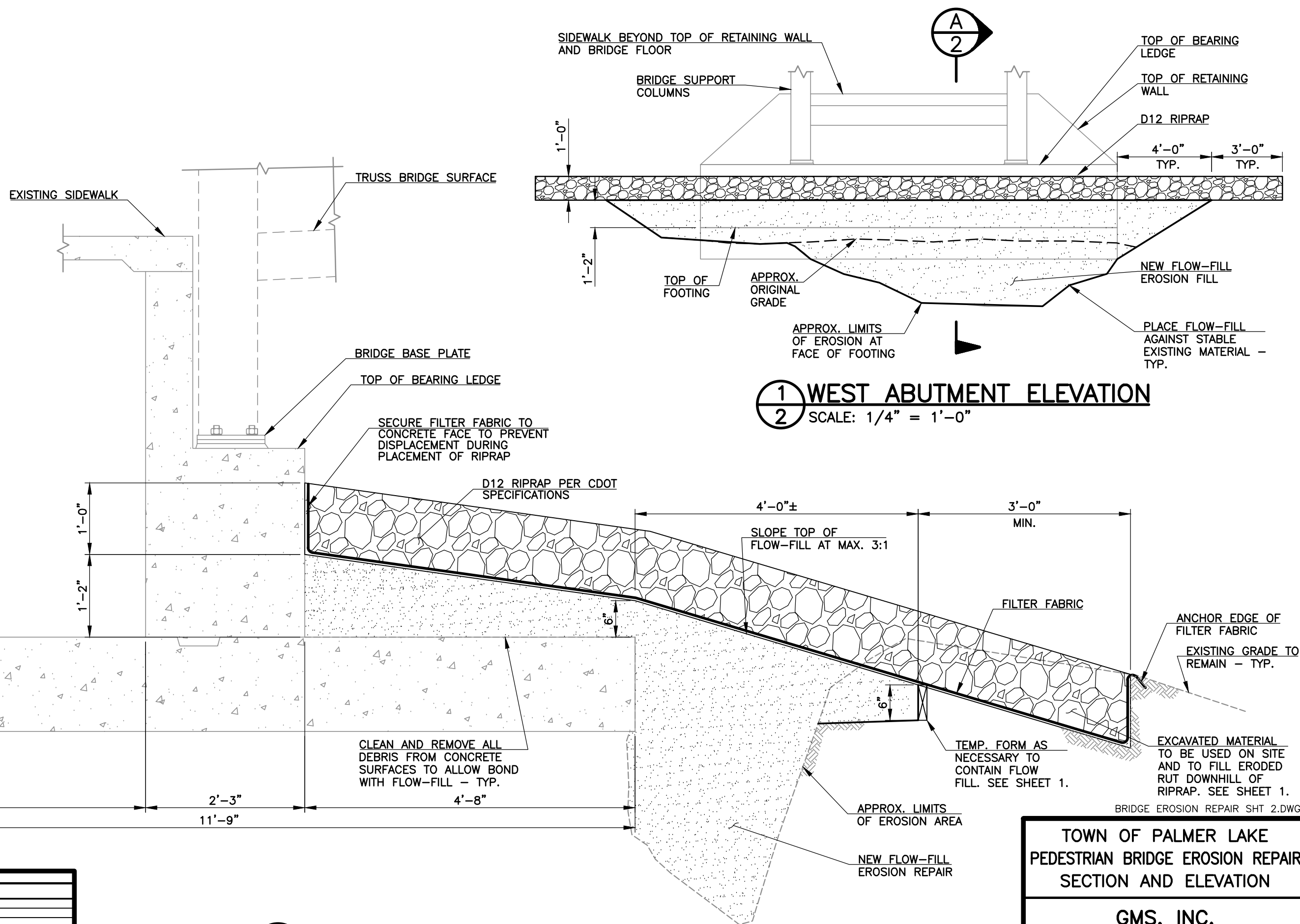
MARCH 2022

SHEET 1 OF 3

REVISIONS

NO.	DATE	DESCRIPTION
1	03/04/2022	PRELIMINARY DRAWINGS ISSUED FOR REVIEW
2	04/15/2022	REVISED PER BNSF AND UP COMMENTS
3	04/25/2022	ISSUED FOR PROPOSALS

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1 WEST ABUTMENT ELEVATION
2 SCALE: 1/4" = 1'-0"

A WEST ABUTMENT SECTION
2 SCALE: 3/4" = 1'-0"

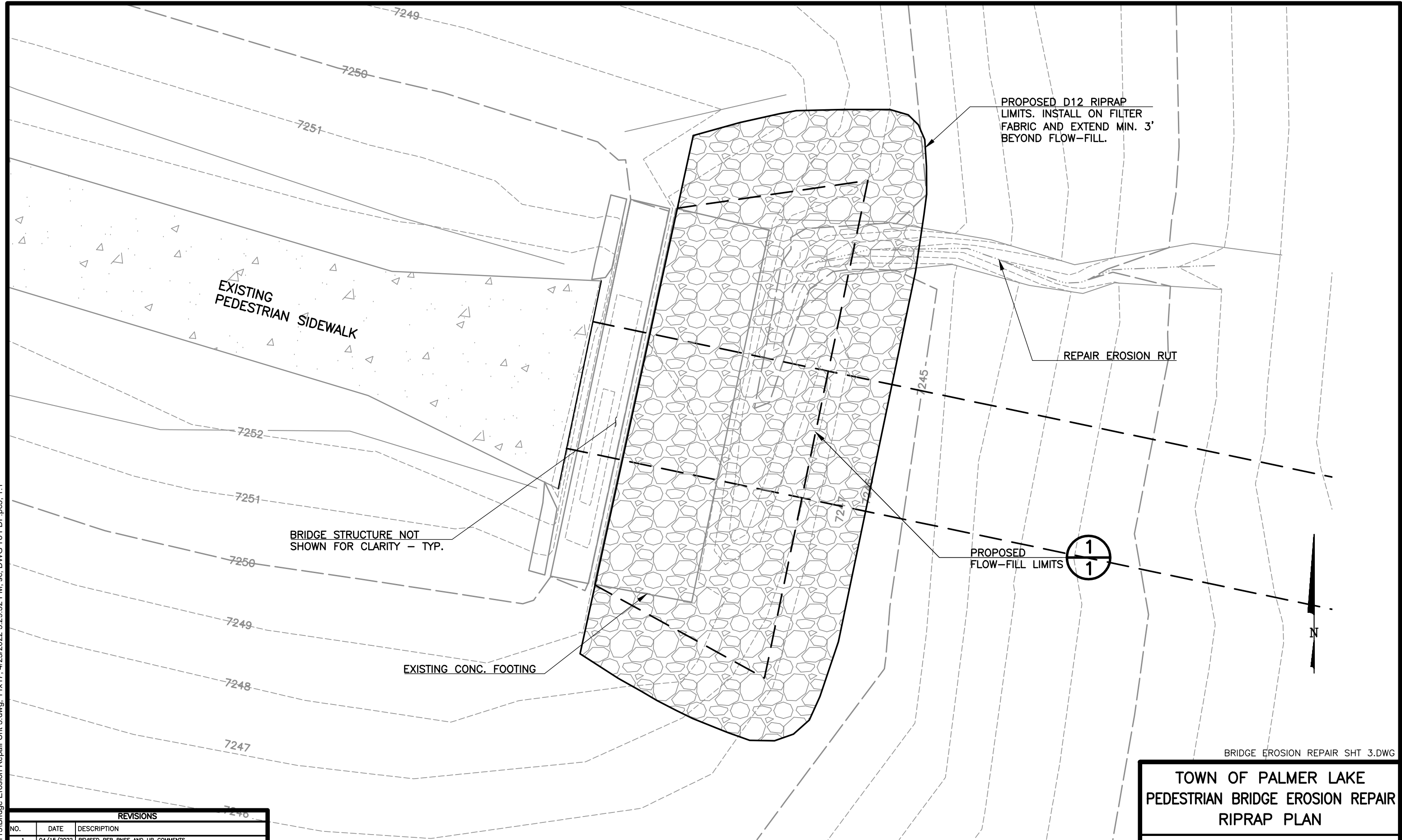
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**TOWN OF PALMER LAKE
 PEDESTRIAN BRIDGE EROSION REPAIR
 SECTION AND ELEVATION**

GMS, INC.
 CONSULTING ENGINEERS
 611 N. WEBER, SUITE 300
 COLORADO SPRINGS, COLORADO 80903
 MARCH 2022

BRIDGE EROSION REPAIR SHT 2.DWG

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BRIDGE EROSION REPAIR SHT 3.DWG

**TOWN OF PALMER LAKE
PEDESTRIAN BRIDGE EROSION REPAIR
RIPRAP PLAN**

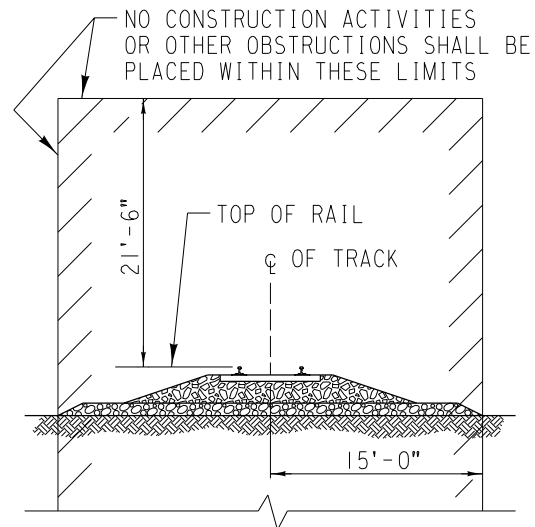
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1 RIPRAP PLAN
3 SCALE: 1/4" = 1'-0"

SHEET 3 OF 3



MINIMUM CONSTRUCTION CLEARANCE ENVELOPE
(NORMAL TO RAILROAD)



BRIDGE STANDARDS

GRADE SEPARATION GUIDELINES

TEMPORARY CLEARANCE ENVELOPE

DESIGN BY: RAF	CHECKED BY: AMH
APPROVED:	
<i>Rick Friesen</i>	
UPRR - SENIOR MANAGER STRUCTURES DESIGN	
<i>Auston M. Huest</i>	
BNSF - ASSISTANT DIRECTOR STRUCTURES DESIGN	

FILE OWNER: UPRR	DATE: 1/05/16
PLAN NO.: 711000	SHEET: 1

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