Repair Logan Creek Slide Katy Trail State Park - MP 117.9 Portland, Missouri

OWNER:

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR

DEPARTMENT OF NATURAL RESOURCES **DIVISION OF MISSOURI STATE PARKS**

PROJECT MANAGEMENT:

OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSTRUCTION**



FULTON PROJECT HOLTS SUMMIT LOCATION JEFFERSON CITY

CALLAWAY COUNTY, MISSOURI

DESIGNER:

X2120-01 **PROJECT NUMBER:**

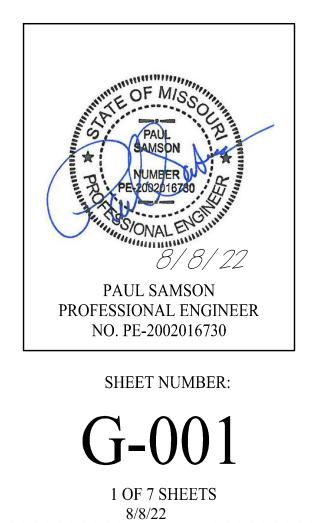
5501 SITE NUMBER: 7815501002 **ASSET NUMBER:**

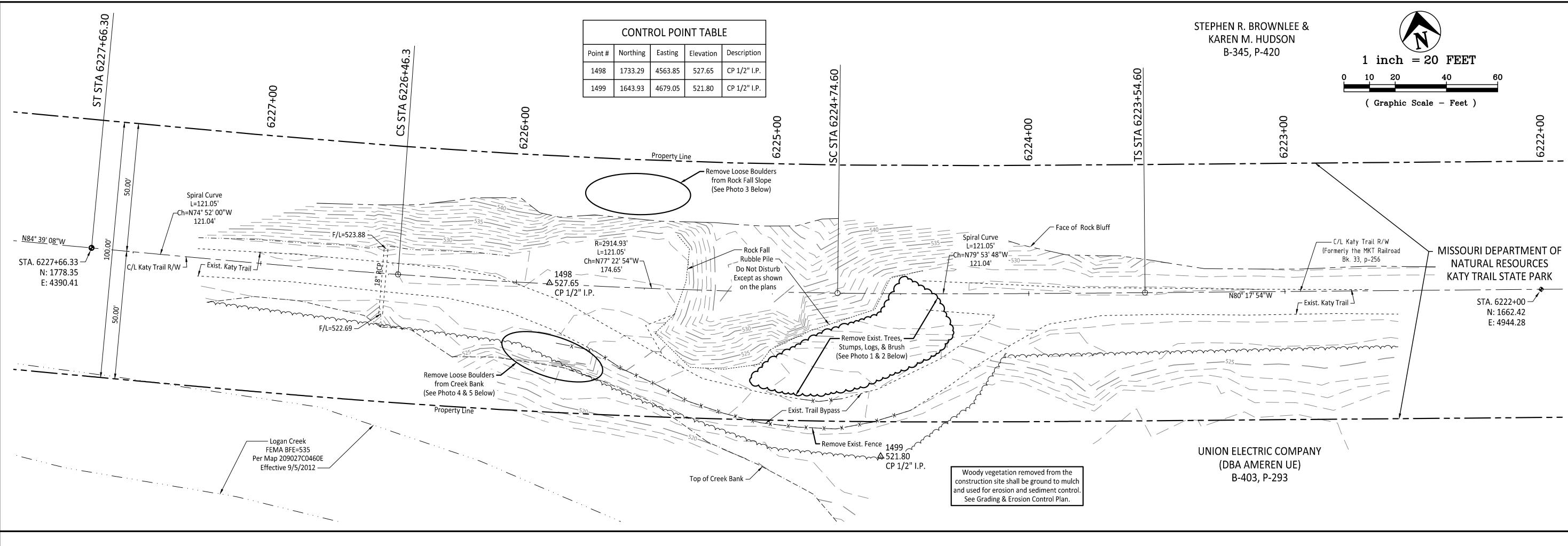
G-001 C-001 C-101 C-102 C-103 C-301 C-501

PAUL SAMSON, PE psamson@cmps-inc.com 573-634-3455 CENTRAL MISSOURI PROFESSIONAL SERVICES, INC.

INDEX OF SHEETS

COVER SHEET **TOPOGRAPHIC SURVEY & DEMOLITION PLAN** PLAN AND PROFILE SHEET GRADING & EROSION CONTROL PLAN TRAFFIC CONTROL & SITE ACCESS PLAN **CROSS SECTIONS** FENCE DETAILS





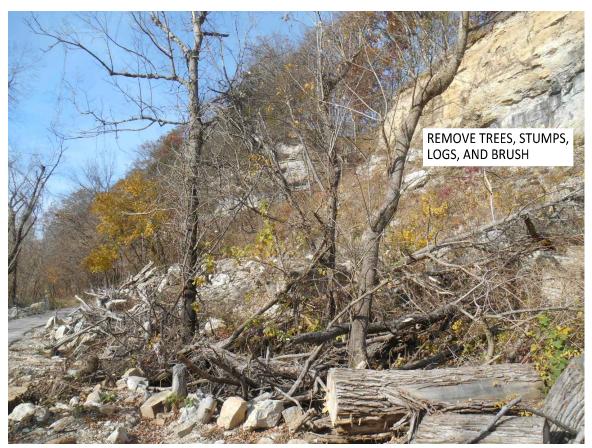


PHOTO 1



REMOVE TEMPORARY FENCE



PHOTO 2



PHOTO 4

PHOTO 3



PHOTO 5

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THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ADJACENT PROPERTY AND IMPROVEMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO ADJACENT PROPERTIES. THE CONTRACTOR SHALL REMOVE ALL DEMOLITION MATERIAL FROM THE SITE. EXCESS EXCAVATION MATERIAL MAY BE

4.

ON PLAN NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISSOURI ONE CALL TO HAVE UTILITIES LOCATED PRIOR TO IG CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE ANY REQUIRED UTILITY ADJUSTMENT OR RELOCATION ECTED UTILITY COMPANIES.

TRACTOR SHALL NOTIFY MISSOURI STATE PARKS A MINIMUM OF TWO WEEKS PRIOR TO BEGINNING CONSTRUCTION. TRACTOR SHALL MAINTAIN POSITIVE DRAINAGE DURING CONSTRUCTION AND SHALL BE RESPONSIBLE FOR ALL DEWATERING NECESSARY FOR CONSTRUCTION.

DISPOSED OF ON SITE AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING BARRICADES AND ANY ADDITIONAL MEASURES NECESSARY TO

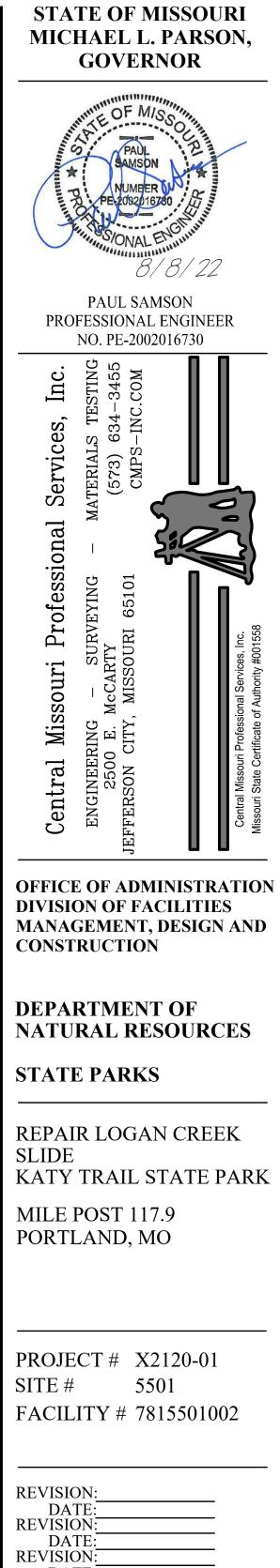
PREVENT TRAIL USERS FROM ACCESSING THE CONSTRUCTION SITE.



CALL BEFORE YOU DIG – DRILL – BLAST 1–800–344–7483 (TOLL FREE)

MISSOURI ONE CALL SYSTEM, INC. NOTE: The Contractor will be responsible to call the MIssouri One Call System 1-800-344-7483 and have the underground utilities marked or remarked prior to any construction.

NOTE: UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES, HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN.



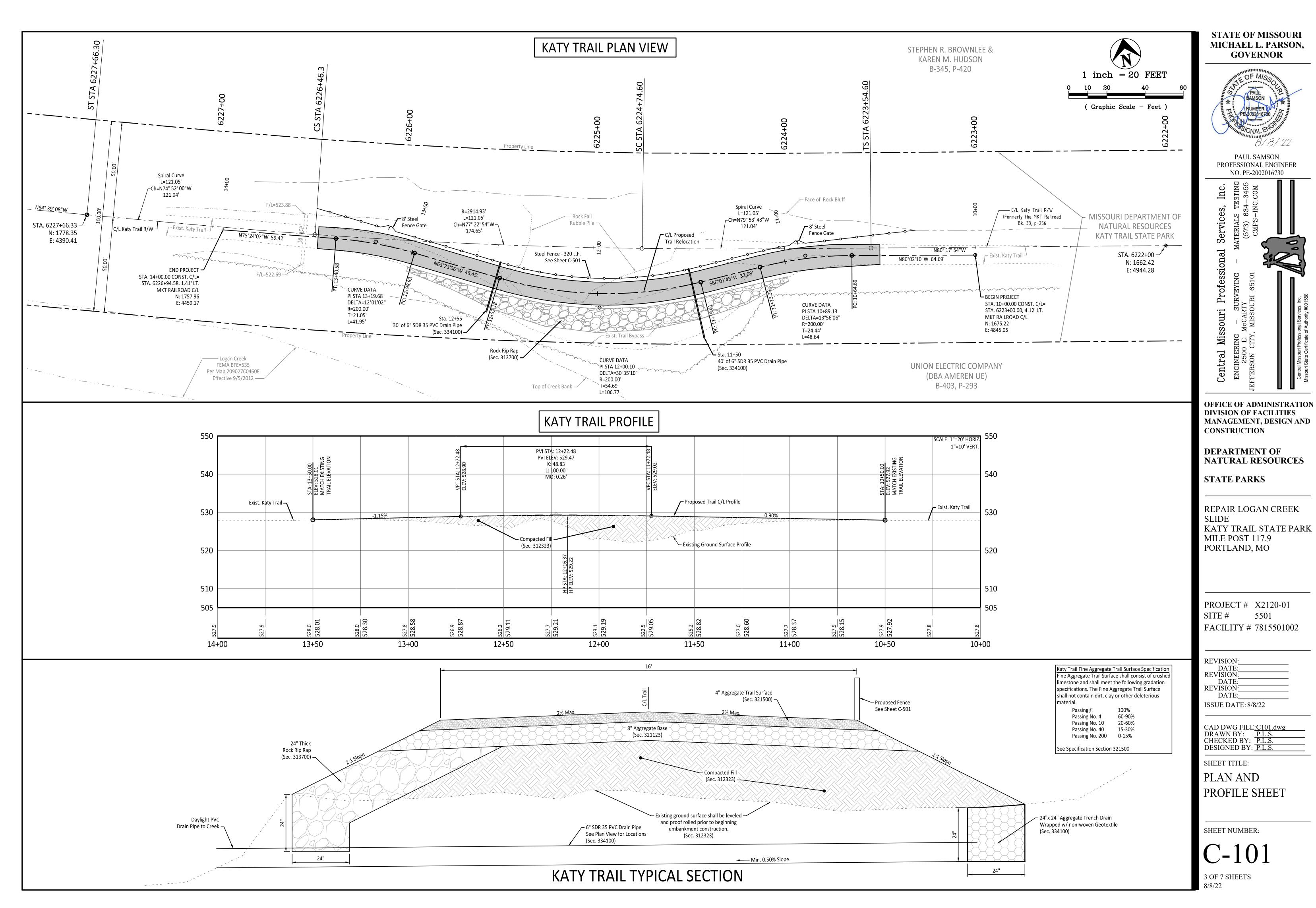
DATE: ISSUE DATE: 8/8/22

CAD DWG FILE:C001.d DRAWN BY: CHECKED BY: P.L.S. DESIGNED BY: P.L.S.

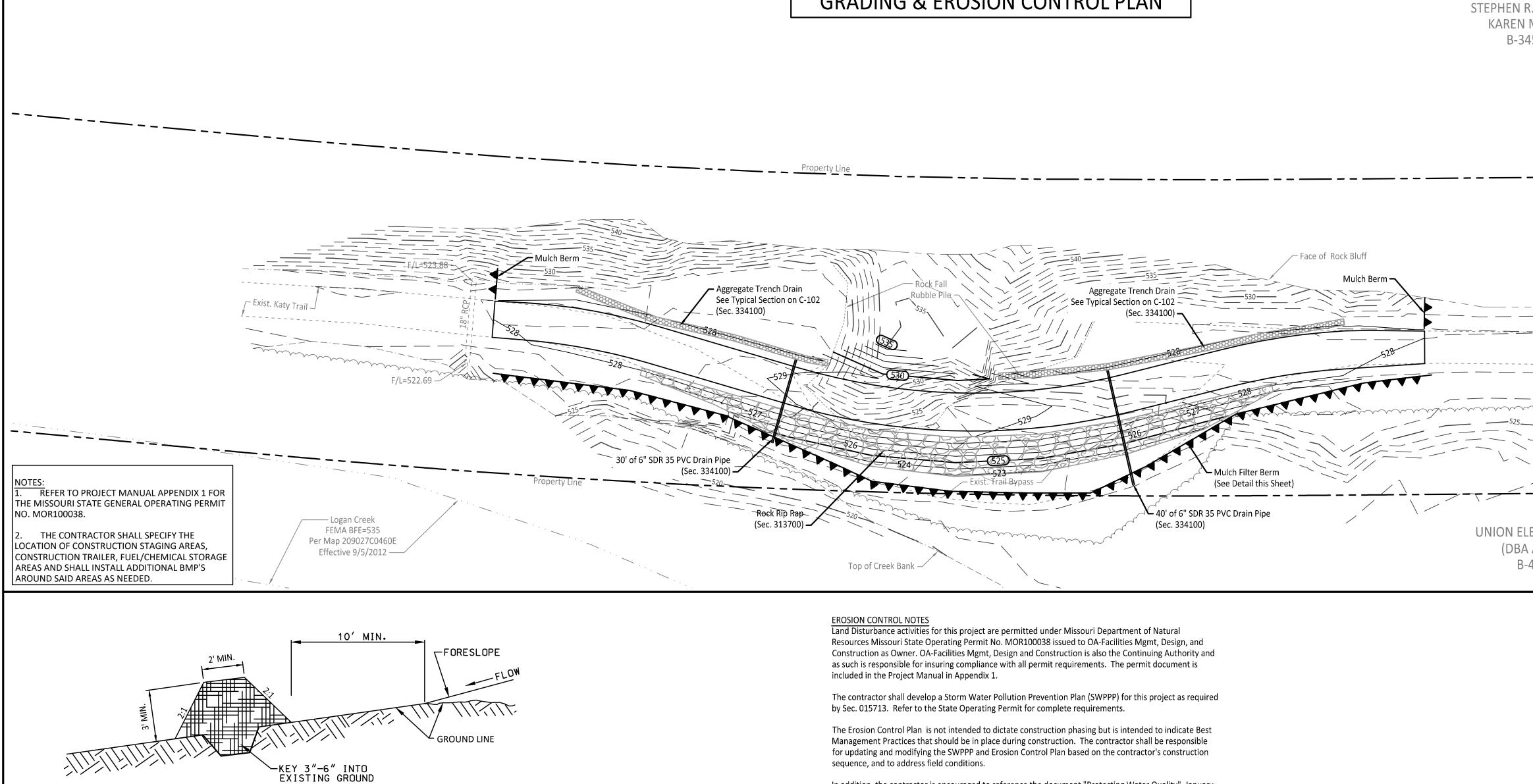
SHEET TITLE: TOPOGRAPHIC SURVEY & DEMOLITION PLAN

SHEET NUMBER:

C-0012 OF 7 SHEETS 8/8/22



21/21-116 FMDC-Katy Trail Relocation/21-116 Katy Trail-CD-Final.dwg, 8/8/2022 10:31:43 AM



MULCH FILTER BERM

NOTES 1. The Mulch Filter Berm shall be placed uncompacted in a windrow at

- locations shown on the plans or as directed by the Engineer.
- 2. Place Mulch Filter Berm parallel to the base of the slope, or around the
- perimeter of other affected areas. 3. If the berm is to be left as permanent or part of the natural landscape,
- the berm may be seeded during application of permanent vegetation.
- 4. Do not use Mulch Filter Berm in any runoff Channels.

GRADING & EROSION CONTROL PLAN

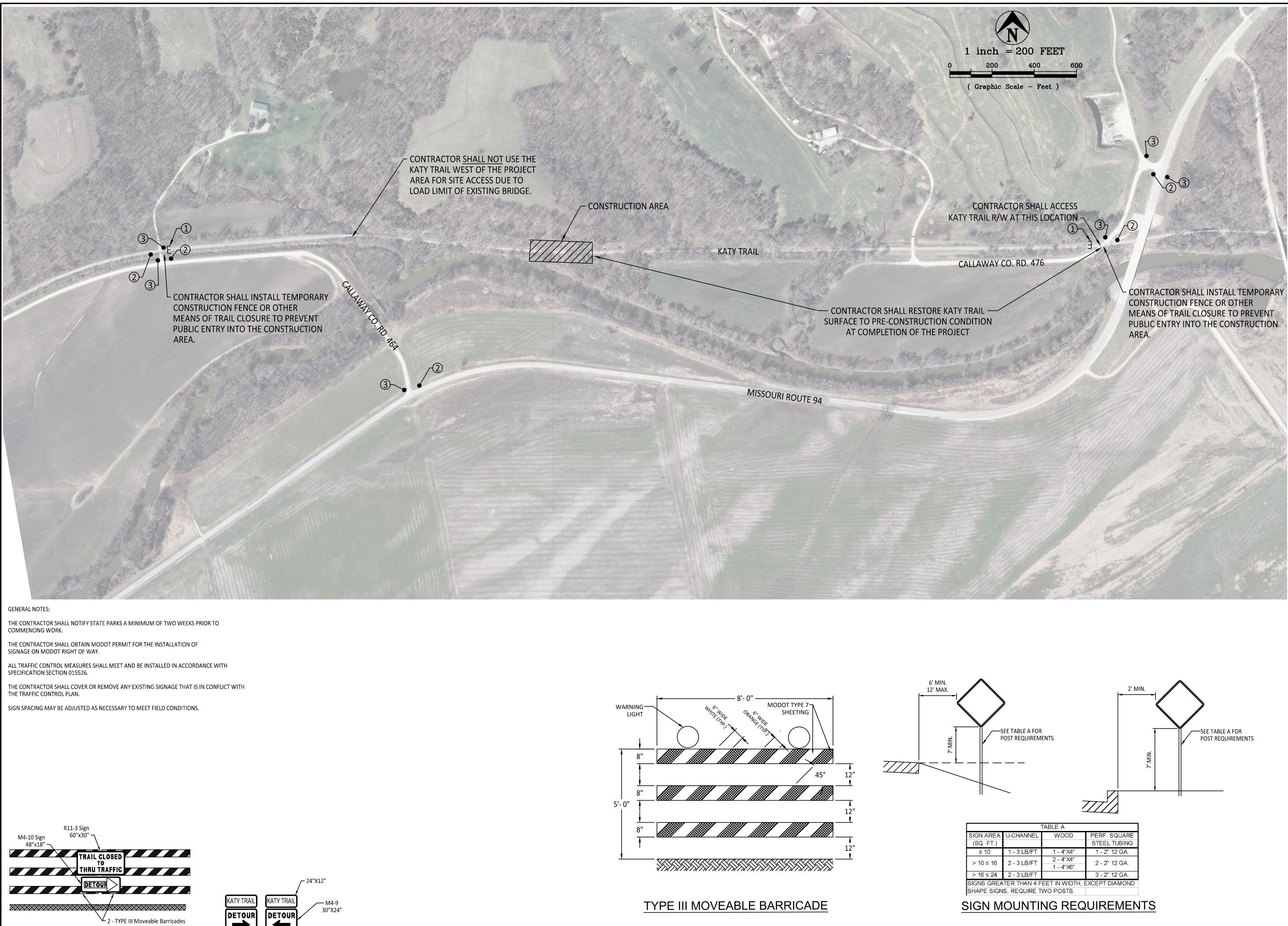
In addition, the contractor is encouraged to reference the document "Protecting Water Quality", January 2011 edition, as Prepared by the Missouri Department of Natural Resources for further guidance on installation and maintenance of construction site erosion, sediment and storm water control practices.

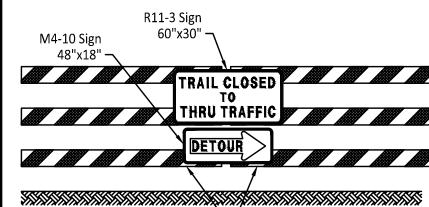
- 1. Contractor shall provide all materials, tools, equipment and labor as necessary to install and maintain adequate erosion and siltation controls required to prevent soil erosion from leaving the project site. It shall be the Contractor's sole responsibility to ensure that methods utilized are adequate and comply with requirements of the Missouri DNR Land Disturbance Permit, specifications and other governmental agencies having jurisdiction over the work.
- 2. The Contractor shall have the responsibility for resolving complaints in the event that complaints or damage claims are filed due to damages occurring adjacent to or downstream from property by sediment resulting from erosion on the project site.
- 3. The Contractor shall install erosion control measures as shown on the drawings prior to beginning earthwork operations.
- 4. The Contractor shall inspect and maintain all BMPs as required by the permit during construction. The Contractor shall also keep logs of all inspections and maintenance performed as required by the permit. Required inspection frequency is described on page 11 of the permit.
- 5. All sediment shall remain on site and surrounding roads shall be kept clear of all mud and debris.
- 6. The contractor shall phase grading operations to minimize the amount of disturbed area.
- 7. Perimeter Sediment Barrier, is to be installed as shown on the plans. The barrier shall be constructed of a Mulch Filter Berm as detailed on this sheet.
- 8. Accumulated sediment shall be removed and the sedimentation barriers maintained when accumulated sediment reaches 70% of the capacity of the BMP. Removed sediment shall be disposed of in a location where sediment will not again erode into the construction area or into natural waterways.
- 9. Slopes shall be left in a rough condition during grading operations.
- 10. Mulch Filter Berms shall remain in place following the completion of the project.
- 11. Contractor shall be responsible for installing any additional erosion control measures as he/she deems necessary. Upon installing additional erosion control measures, or making modifications to the erosion control plan, the contractor shall update the SWPPP and Erosion Control Plan.
- 12. At completion of site grading and other related construction activities, all disturbed areas with exposed soil shall be seeded, mulched, and fertilized per Sec. 329219.

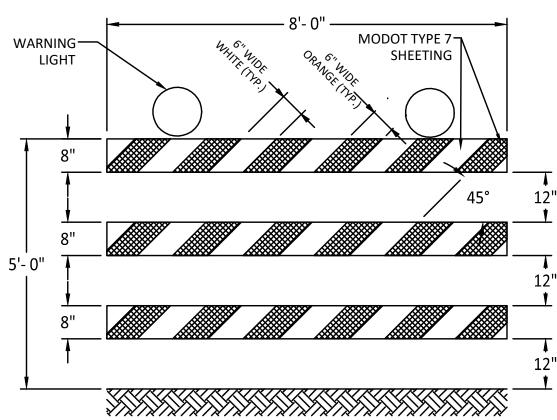
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		PAUL SAMSON PROFESSIONAL ENGINEER NO. PE-2002016730
Exist. Katy Trail	MISSOURI DEPARTMENT OF NATURAL RESOURCES KATY TRAIL STATE PARK	Central Missouri Professional Services, Inc. ENGINEERING – SURVEYING – MATERIALS TESTING 2500 E. McCARTY JEFFERSON CITY, MISSOURI 65101 CMPS-INC.COM Contal Missouri Professional Services, Inc.
B-403, P-293		OFFICE OF ADMINISTRATIC DIVISION OF FACILITIES MANAGEMENT, DESIGN AN CONSTRUCTION
		DEPARTMENT OF NATURAL RESOURCES STATE PARKS
		REPAIR LOGAN CREEK SLIDE KATY TRAIL STATE PAR MILE POST 117.9 PORTLAND, MO
		PROJECT # X2120-01 SITE # 5501 FACILITY # 7815501002
		REVISION: DATE: REVISION: DATE: REVISION: DATE: DATE: ISSUE DATE: 8/8/22
		CAD DWG FILE: <u>C102.dwg</u> DRAWN BY: <u>P.L.S.</u> CHECKED BY: <u>P.L.S.</u> DESIGNED BY: <u>P.L.S.</u>
		SHEET TITLE: GRADING & EROSION CONTROL PLAN
		SHEET NUMBER:
		C-102
		4 OF 7 SHEETS

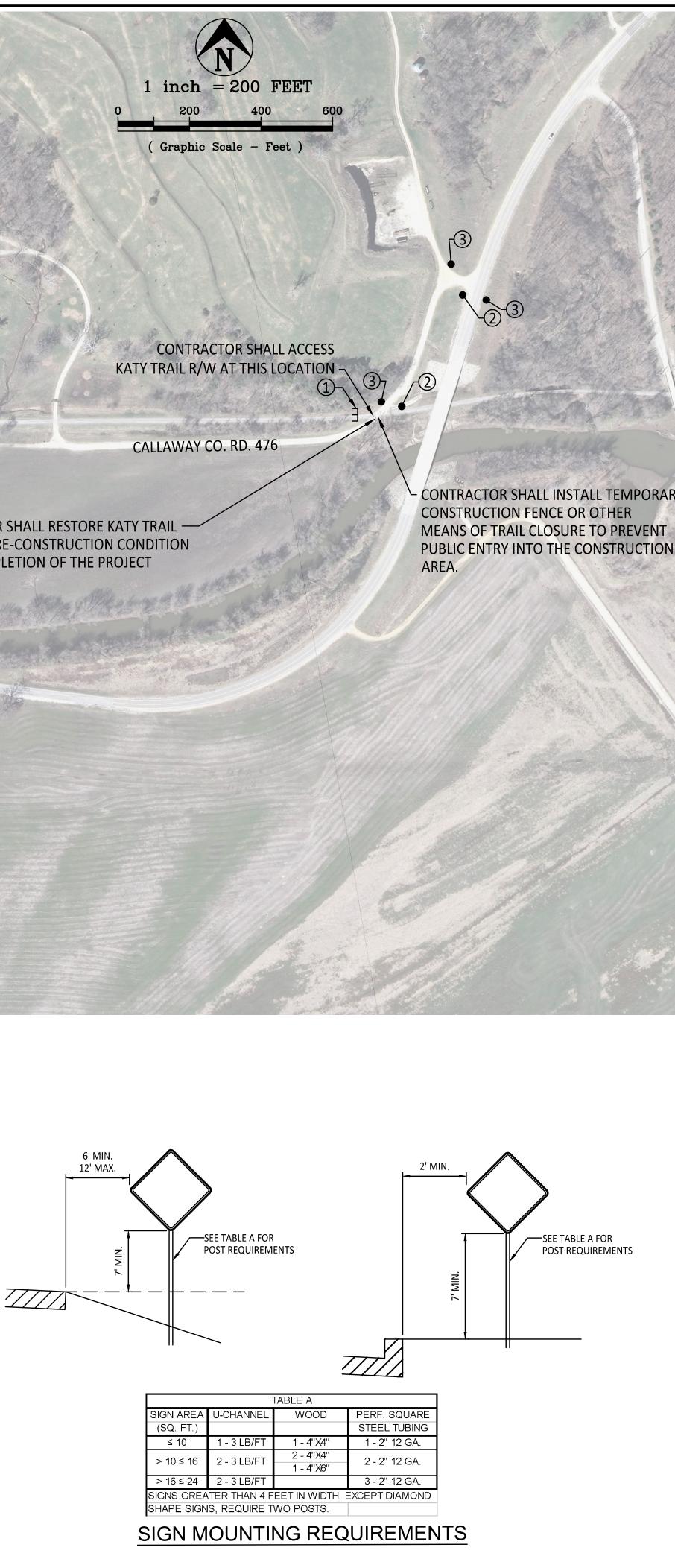
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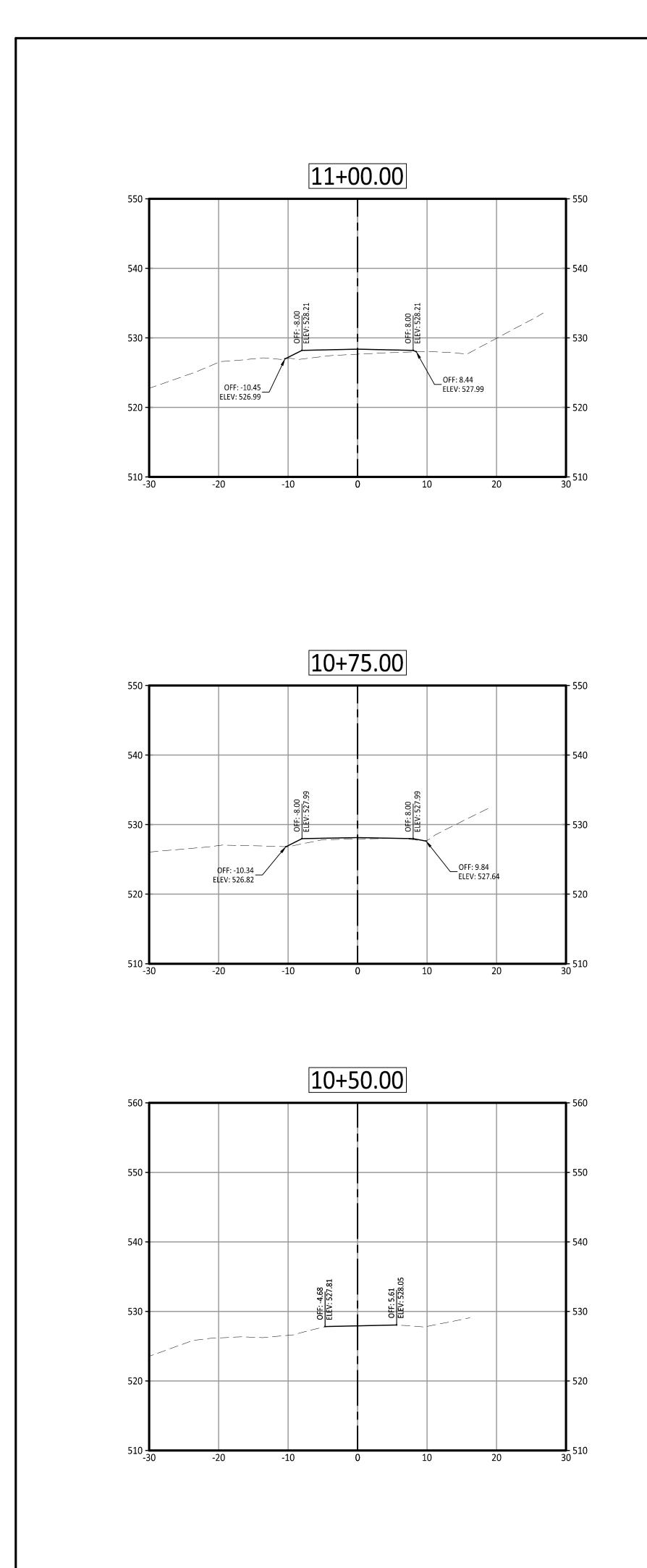




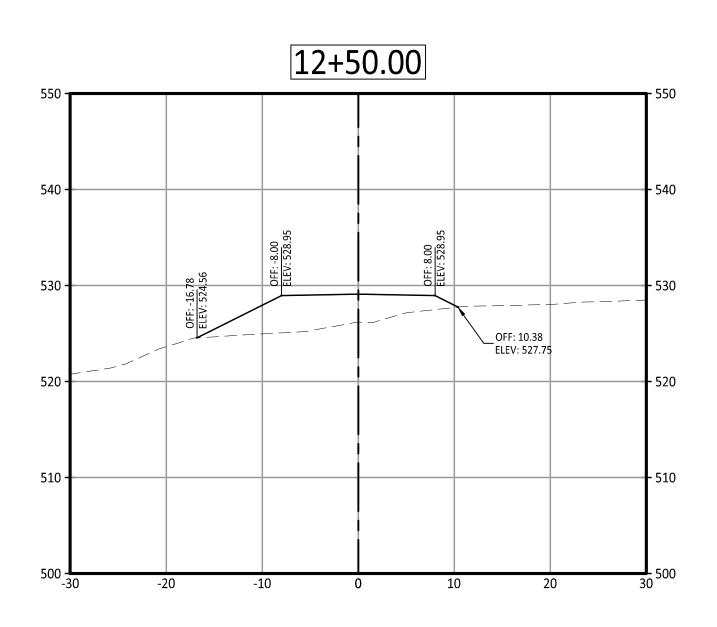
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PAUL SAMSON PROFESSIONAL ENGINEER NO. PE-2002016730
iessional Services, Inc. TNG - MATERIALS TESTING (573) 634-3455 (573) 634-3455 CMPS-INC.COM CMPS-INC.COM
Central Missouri Profession ENGINEERING – SURVEYING – 2500 E. McCARTY JEFFERSON CITY, MISSOURI 65101 JEFFERSON CITY, MISSOURI 65101 Central Missouri Professional Services, Inc. Missouri State Certificate of Authority #001558
VISION OF FACILITIES ANAGEMENT, DESIGN AND ONSTRUCTION EPARTMENT OF ATURAL RESOURCES FATE PARKS EPAIR LOGAN CREEK LIDE ATY TRAIL STATE PARK ILE POST 117.9
ORTLAND, MO ROJECT # X2120-01 TE # 5501 ACILITY # 7815501002
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AD DWG FILE: <u>C103.dwg</u> AWN BY: <u>P.L.S.</u> IECKED BY: <u>P.L.S.</u> ESIGNED BY: <u>P.L.S.</u> IEET TITLE: RAFFIC CONTROL & TE ACCESS LAN
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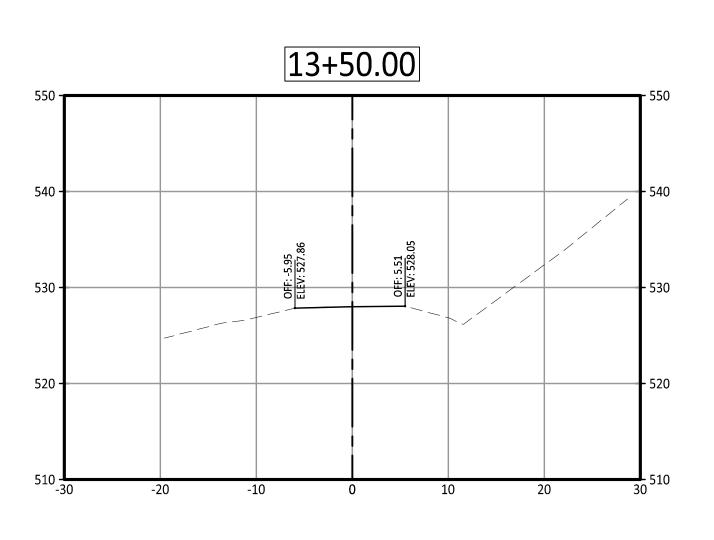
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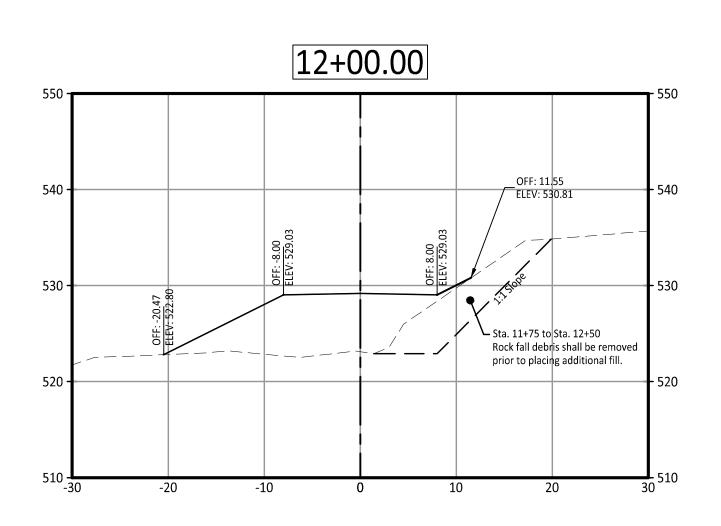
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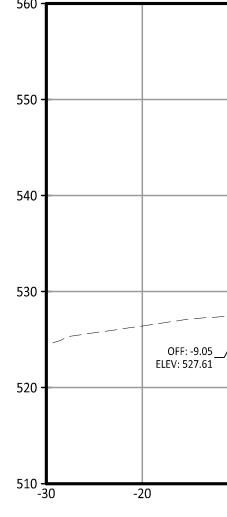


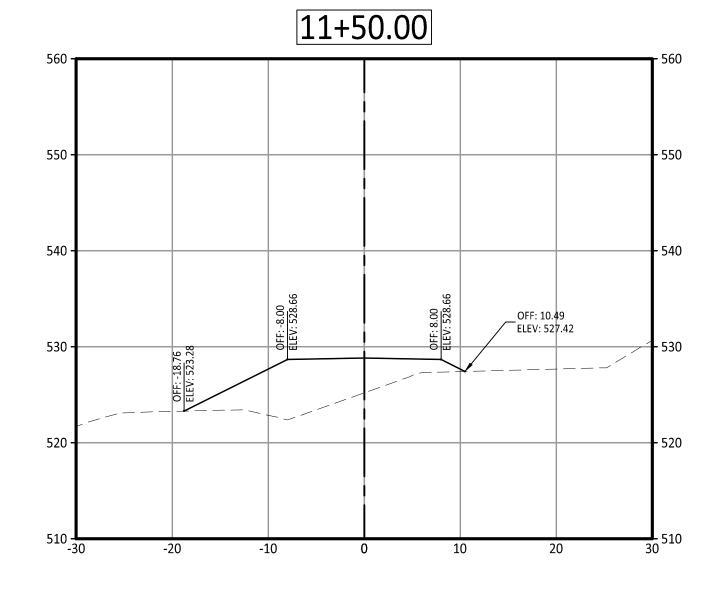
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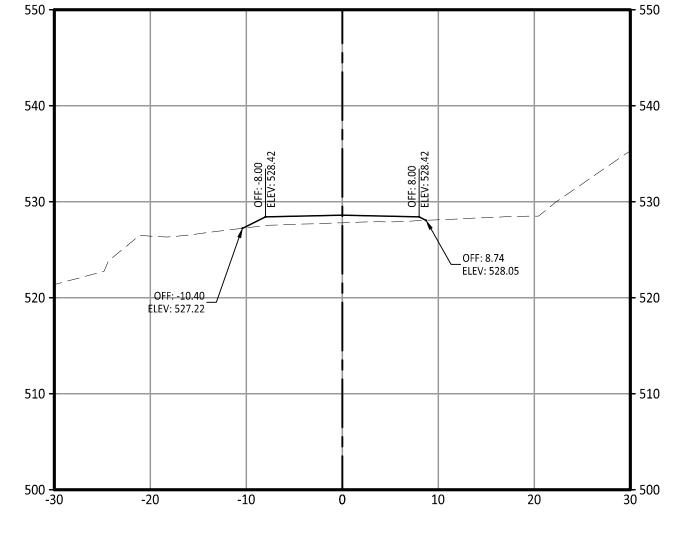


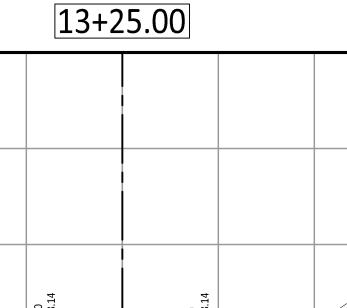


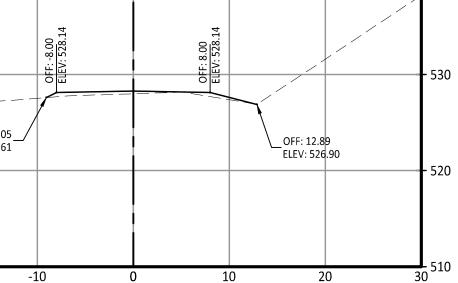


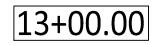




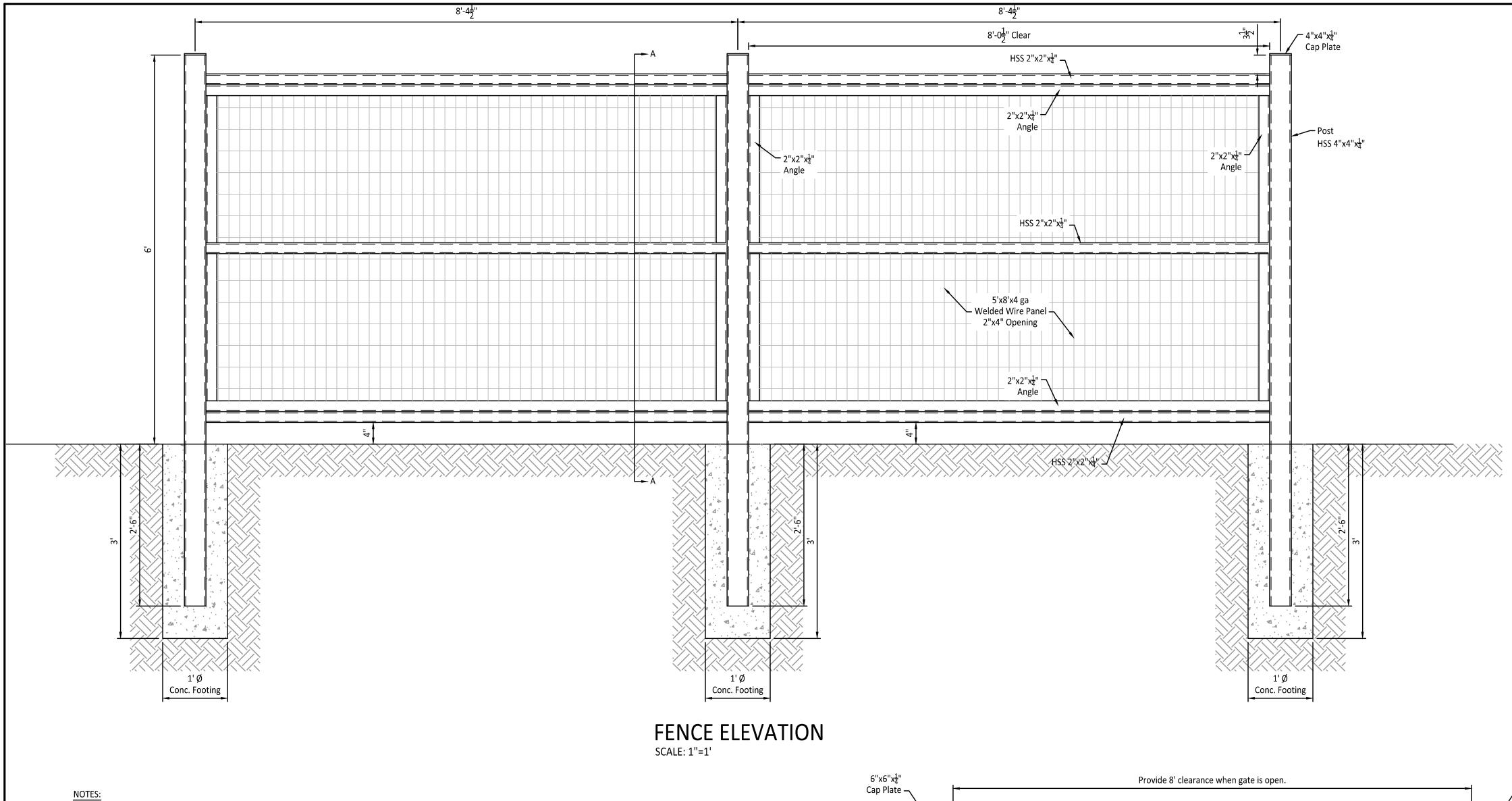












1. Steel Fence material and fabrication shall be in accordance with Specification Section 051200.

2. Concrete Footings shall be in accordance with Specification Section 0333000.

3. The contractor shall submit fabrication shop drawings for fence panels and gate construction as required by Specification Section 051200.

