



Public Notice

US ARMY CORPS
OF ENGINEERS
St. Louis District
Gateway to Excellence

Reply To:
U.S. Army Corps of Engineers
Attn: CEMVS-OD-F
1222 Spruce Street
St. Louis, Missouri 63103-2833

Public Notice No.
P-2983

Public Notice Date:
March 1, 2017

Expiration Date:
March 21, 2017

Postmaster Please Post Conspicuously Until:

File Number: MVS-2016-870

Interested parties are hereby notified that an application has been received for a Department of the Army permit for certain work in waters of the United States, as described below and shown on the attached maps.

COMMENTS AND ADDITIONAL INFORMATION: Comments on the described work should reference the U.S. Army Corps of Engineers File Number shown above and must reach this office no later than the above expiration date of the Public Notice to become part of the record and be considered in the decision. Comments should be mailed to the following address:

U.S. Army Corps of Engineers
Regulatory Branch
1222 Spruce Street
St. Louis, Missouri 63103-2833
ATTN: Jennifer L. Skiles

APPLICANT: City of St. Peters. Attention: William Benesek, 1 St. Peters Centre Boulevard, St. Peters, MO. 63376.

LOCATION: The project area is located east of Jungermann Road, in St. Peters, Missouri. The site is located from Horstmeier Trail to Spencer Creek. The project is located in Section 4, Township 46 North, Range 4 East, St. Charles County.

PROJECT DESCRIPTION: The applicant seeks authorization to conduct grading and filling operations in waters of the United States to provide trail improvements and improve hydrology conveyance through the project area. The City of St. Peters plans to build the new section of trail along the east side of Jungermann Road but the construction of the trail requires realignment and widening of approximately 1,228 linear feet of stream channel. Therefore, the applicant proposes to relocate the channel further east into an existing wooded corridor and to restore the area to a bio-engineered natural channel design incorporating a mix of various sized cobble, large boulders, and native vegetation in all disturbed areas. The stream channels are primary and secondary tributaries to Spencer Creek.

Although the applicant is in the process of researching alternatives, reducing the size of the footprint and

minimizing proposed impacts to the unnamed tributaries, they believe that the remaining impacts are unavoidable to meet safety and design standards. The applicant is currently pursuing onsite and offsite mitigation/restoration options for stream impacts determined to be unavoidable.

LOCATION MAPS AND DRAWINGS: See attached. In addition, the project plans may be viewed in color and in more detail by visiting the Public Notice section of our website at:

<http://www.mvs.usace.army.mil/Missions/Regulatory/PublicNotices/OpenNotices.aspx>

ADDITIONAL INFORMATION: Additional information may be obtained by contacting Jennifer L. Skiles, Project Manager, U.S. Army Corps of Engineers, at (314) 331-8579. Your inquiries may also be sent by electronic facsimile to (314) 331-8741 or by e-mail to Jennifer.L.Skiles@usace.army.mil.

AUTHORITY: This permit will be processed under Section 404 of the Clean Water Act (33 U.S.C. 1344).

WATER QUALITY CERTIFICATION: Section 401 of the Clean Water Act (33 USC 1341) requires that all discharges of dredged or fill material must be certified by the appropriate state agency as complying with applicable effluent limitations and water quality standards. The project plans will be submitted to the Missouri Department of Natural Resources, Water Protection Program (the Agency) in accordance with Section 401. While the Corps of Engineers may provide all relevant information to DNR and request Section 401 review on behalf of the applicant, the applicant assumes final responsibility to ensure that both agencies receive all information required to complete their independent review. If issued, Certification will express the Agency's opinion that the proposed activities will not violate applicable water quality standards. Written comments concerning possible impacts to waters of Missouri should be addressed to: Water Protection Program, P.O. Box 176, Jefferson City, Missouri 65102-0176, with a copy provided to the Corps of Engineers.

SECTION 404 (b)(1) EVALUATION: The impact of the activity on the public interest will be evaluated in accordance with the Environmental Protection Agency guidelines pursuant to Section 404 (b)(1) of the Clean Water Act.

PUBLIC HEARING: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the applicant's proposal. Any request for a public hearing shall state, with particularity, the reason for the hearing, and must be based on issues that would warrant additional public review.

ENDANGERED SPECIES: The proposed project is within the range of the endangered Indiana bat (**Myotis sodalis**) and the northern long-eared bat (**Myotis septentrionalis**) that currently a threatened species and is a proposed candidate for endangered status. A preliminary determination, in compliance with the Endangered Species Act as amended, has been made that this activity may affect the habitat of these listed and candidate species. The Corps is coordinating with the U.S. Fish and Wildlife Service and the applicant is taking measures to minimize potential effects of the project during construction. In order to further complete our evaluation, written comments are solicited by this public notice from the U.S. Fish and Wildlife Service and other interested agencies and individuals.

CULTURAL RESOURCES: The St. Louis District will evaluate information provided by the State Historic Preservation Officer and the public in response to this public notice and we may conduct, or require a reconnaissance survey of the project area. The Corps will continue to coordinate with SHPO and Native American Tribes as appropriate.

EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the described activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit that may reasonably be expected to accrue from the described activity must be balanced against its reasonably foreseeable detriments. All factors, which may be relevant to the activity described, will be considered including the cumulative effects. Among factors considered are: conservation; economics; aesthetics; general environmental concerns; wetlands; historic properties; fish and wildlife values; flood hazards; flood plain values; land use; navigation; shoreline erosion and accretion; recreation; water supply and conservation; water quality; energy needs; safety; food and fiber production; mineral needs; consideration of property ownership; and in general the needs and welfare of the people.

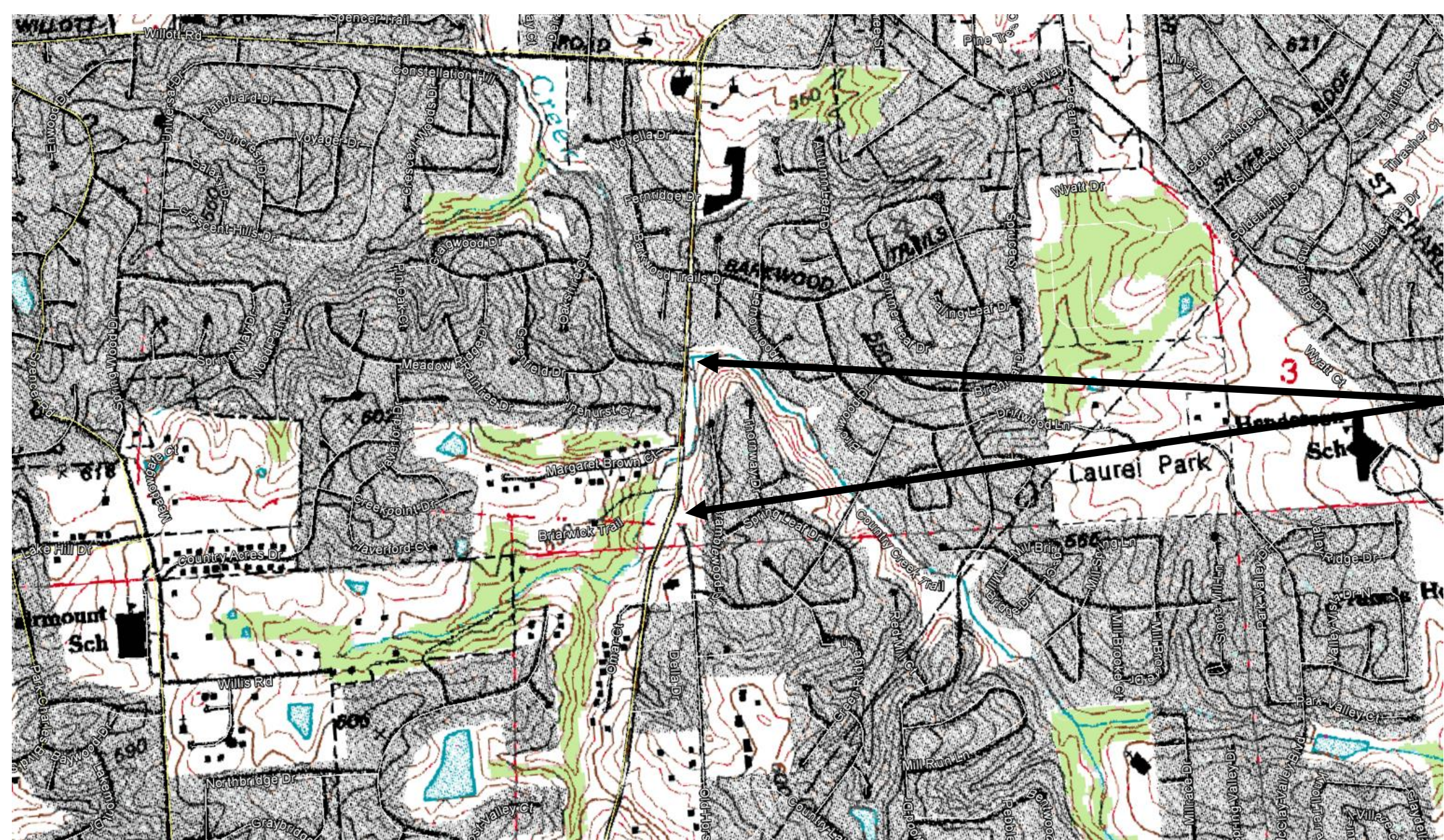
SOLICITATION OF COMMENTS: The U.S. Army Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of the proposed activity. Any comments received will be considered by the U.S. Army Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

DANNY D. MCCLENDON
Chief, Regulatory Branch

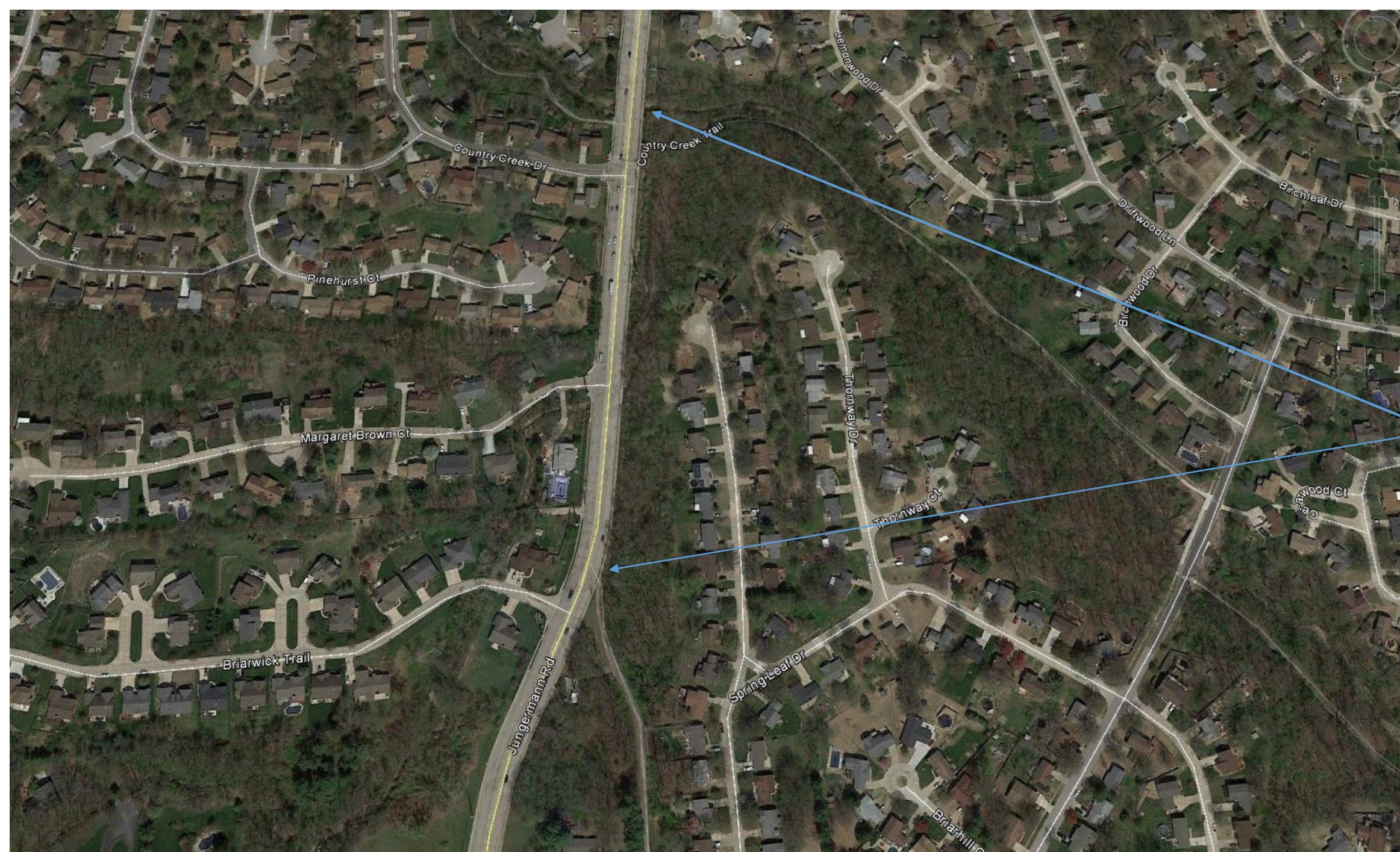
Attachments

NOTICE TO POSTMASTERS:

It is requested that this notice be conspicuously and continually placed for 21 days from the date of this issuance of this notice.



Project Location



Project Location



Unnamed Tributary to
Spencer Creek

Drainage to Unnamed
Tributary

1/10/2017 6:56:41 AM
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PRELIMINARY PLANS

PROJECT #P-28 JUNGERMANN ROAD

STREAM AND TRAIL IMPROVEMENTS

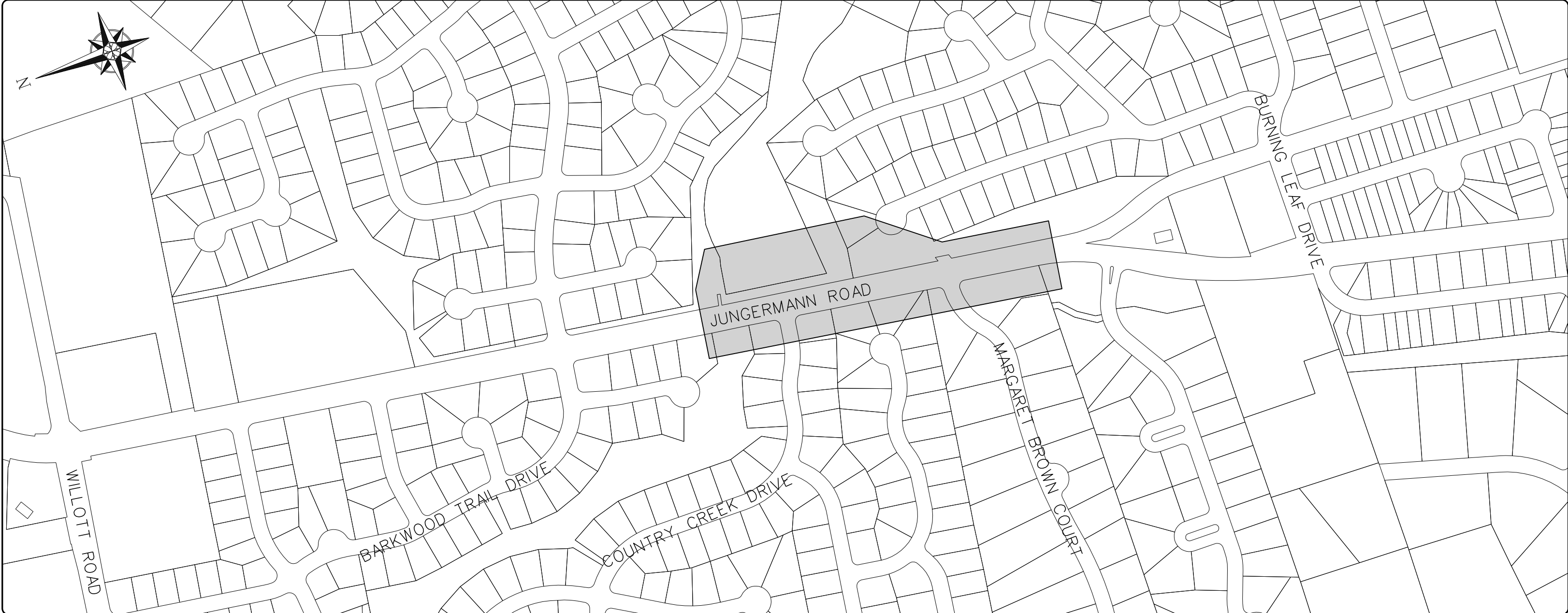
CITY OF ST. PETERS, MISSOURI

"NOT FOR
CONSTRUCTION"

GENERAL LEGEND

DESCRIPTION	SYMBOL
RIGHT-OF-WAY NEW	---
RIGHT-OF-WAY EXISTING	---
PROPERTY LINE	---
UNDERGROUND UTILITY (TYPE SPECIFIED)	---
T-TELE/CATV G-GAS W-WATER E-ELECTRIC	---
STORM SEWER	SS
SANITARY SEWER	S
CONSTRUCTION LIMITS	---
TREE OR SHRUB (DESIGNATE DIA. & TYPE)	---
TREE/VEGETATION LINE	---
FENCE (DESIGNATE TYPE)	---
GUARDRAIL	---
SIGN	---
PERMANENT DRAINAGE EASEMENT	P.D.E.
TEMPORARY SLOPE AND CONSTRUCTION LICENSE	T.C.E.
ROADWAY, MAINTENANCE AND UTILITY EASEMENT	R.M.U.E.
TO BE REMOVED	(T.B.R.)
TO BE ABANDONED	(T.B.A.)
USE IN PLACE	(U.I.P.)
TO BE REMOVED AND REPLACED	(T.B.R.&R.)
TO BE REMOVED AND REPLACED BY OTHERS	(T.B.R.&R.B.O.)
ADJUST TO GRADE	(A.T.G.)
ADJUST TO GRADE BY OTHERS	(A.T.G.B.O.)
TO BE ABANDONED AND FILLED	(T.B.A.&F.)
TANGENT TO CURVE	(T.C.)

PROJECT LIMITS



INDEX OF SHEETS

SHEET NUMBER	DESCRIPTION
1	TITLE AND INDEX SHEET
2	REFERENCE TIES AND ALIGNMENT INFO
3	TYPICAL SECTIONS
4-6	MAINLINE PLAN FOR STORM SEWERS, SAN. SEWERS, CHANNELS, AND WATERLINES
7-8	PLAN AND PROFILE SHEET FOR SHARED USE PATH
9-10	WALL SHEET
11-13	GRADING PLANS
14	PROFILE SHEET FOR CHANNEL
15	PROFILE SHEET FOR STORM SEWERS AND WATER LINES
16-17	PROFILE SHEET FOR SANITARY SEWERS
18-20	LANDSCAPING PLANS
21-27	DETAILS
28-33	CHANNEL CROSS SECTIONS
34-37	TRAIL CROSS SECTIONS
38	GENERAL PLAN AND ELEVATION
39	GENERAL NOTES AND QUANTITIES
40-42	BORINGS
43	PEDESTAL DETAILS
44-45	WING DETAILS
46-47	ARCH CULVERT DETAILS
48	BAR LIST

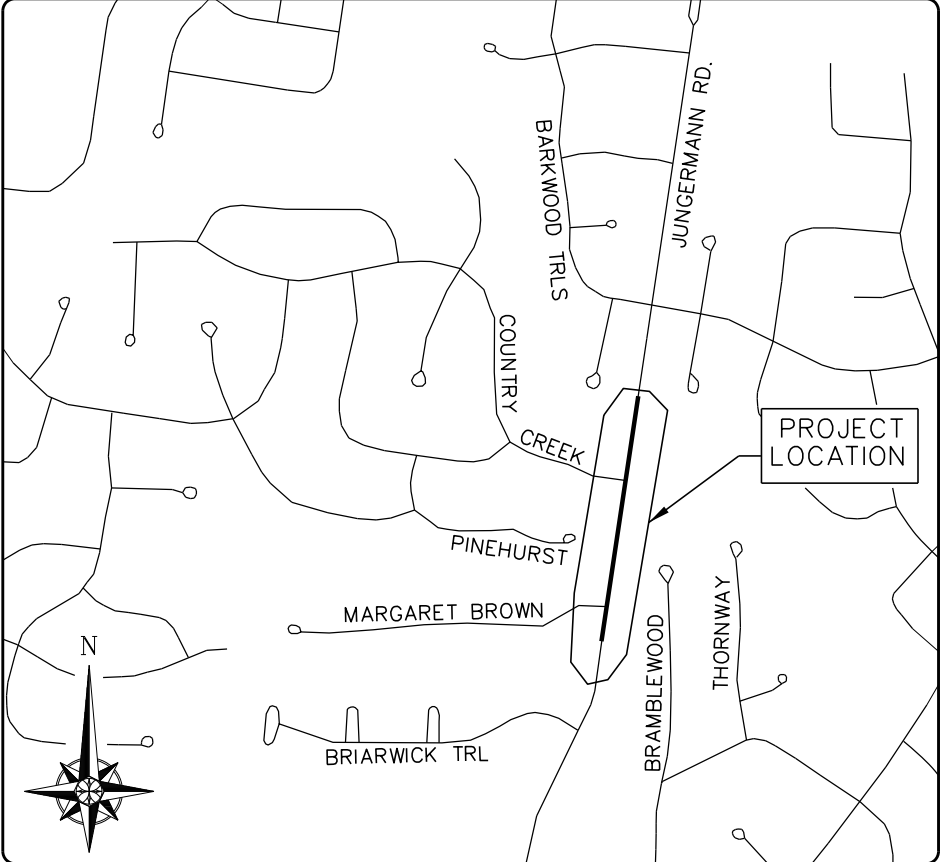
PROJECT SPECIFIC INFORMATION

PROJECT NOTES

- THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE METROPOLITAN ST. LOUIS SEWER DISTRICT STANDARD DRAWINGS (LATEST VERSION) AS WELL AS THE PROJECT'S JOB SPECIAL PROVISIONS INCLUDED IN THE BID PROPOSAL.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT BOTH MISSOURI ONE CALL (DIGRITE) AND EACH INDIVIDUAL UTILITY THAT MAY NOT BE PART OF THE MISSOURI ONE-CALL PROGRAM TO ARRANGE FOR INDIVIDUAL UTILITY LOCATES.



LOCATOR MAP



CITY OF ST. PETERS, MISSOURI
1 ST. PETERS CENTRE BOULEVARD
ST. PETERS, MISSOURI 63376

SCALES

PLAN: 1" = 20'
PROFILE: 1" = 20' HORIZ. & 5' VERT.
CROSS SECTION: 1" = 5' HORIZ. & 5' VERT.
PIPE PROFILE: 1" = 20' HORIZ. & 5' VERT.
SPECIAL DETAILS: NOT TO SCALE UNLESS NOTED OTHERWISE

UTILITY NOTE

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THERETO.

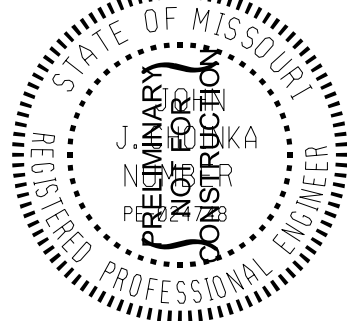
APPROVED: _____
AMY HADDOCK, P.E.
CIVIL ENGINEER
DATE: _____

CONSULTANT PROJECT NO.
75150045

FEDERAL PROJECT NO.

REVISIONS
REV. DATE BY APP. DESCRIPTION

DISCLAIMER OF LIABILITY
I hereby specify that the documents intended to be authorized by my seal are preliminary and I hereby disclaim any responsibility for all other drawings, specifications, documents or instruments relating to or intended to be used for any part of the engineering project or survey.



DATE: 1/10/17

PREPARED BY: Hrgreen
JOHN J. CHOINKA
PROFESSIONAL ENGINEER
LICENSE NO. 024748



JUNGERMANN ROAD
STREAM AND
TRAIL IMPROVEMENTS

TITLE AND INDEX SHEET

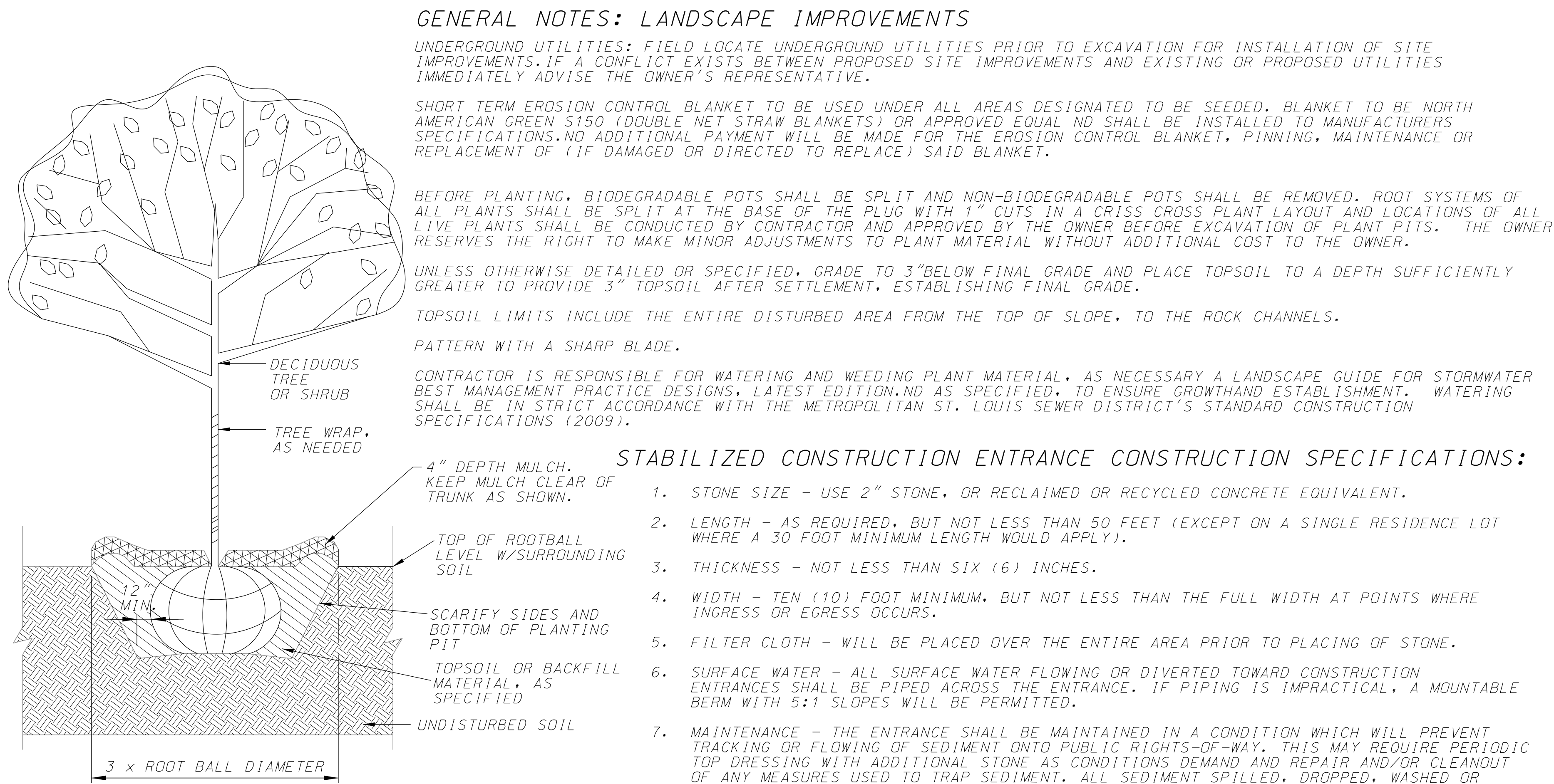
DESIGNED: G. STANGER

DRAWN: G. STANGER

CHECKED: J. CHOINKA

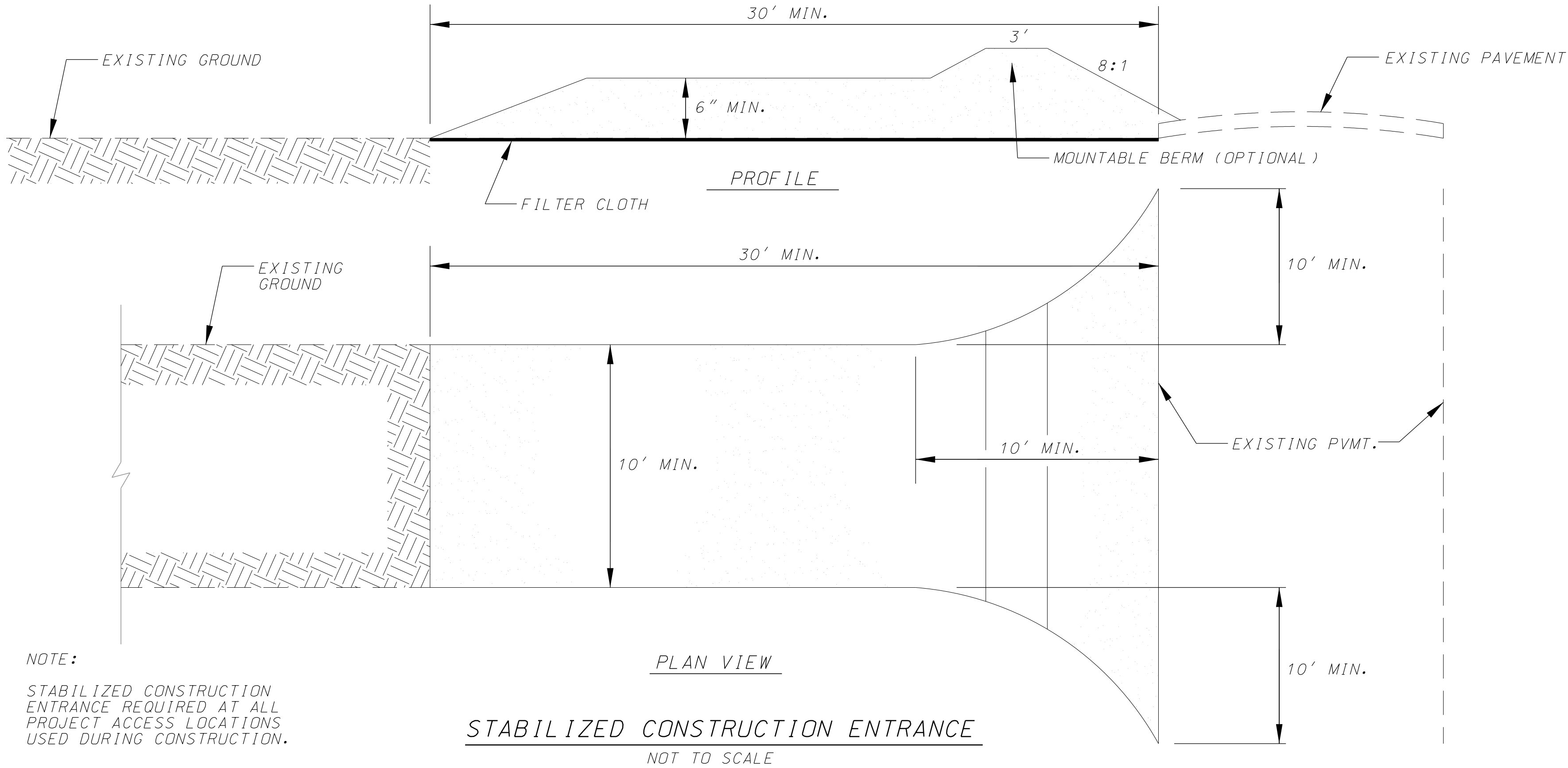
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**TYPICAL SECTION UNDERSTORY/
OVERSTORY OR SHRUB TREE PLANTING**

NOT TO SCALE



NATIVE SPECIES FOR REVEGETATION BLANKET		
TREES (SPACED RANDOMLY) – REVEGETATION BLANKET UPPER BANK		
SPECIES	SIZE	SPACING
ACER SACCHARUM (SUGAR MAPLE)	7–GAL POTTED STOCK	20 – 30 FOOT SPACING
QUERCUS RUBRA (RED OAK)	7–GAL POTTED	20 – 30 FOOT SPACING
CARYN LACINIOSA (HICKORY)	7–GAL POTTED	20 – 30 FOOT SPACING
QUERCUS MACROCARPA (BUR OAK)	7–GAL POTTED	20 – 30 FOOT SPACING
SHRUBS (SPACED RANDOMLY AMONG TREE PLANTING AREA) – REVEGETATION BLANKET BENCH		
SPECIES	SIZE	SPACING
AMELANCHIER ARBOREA (SERVICEBERRY)	2–5 GAL POTTED	8 – 20 FOOT SPACING
ARONIA MELANOCARPA (BLACK CHOKEBERRY)	2–5 GAL POTTED	8 – 20 FOOT SPACING
CORNUS FLORIDA (FLOWERING DOGWOOD)	2–5 GAL POTTED	8 – 20 FOOT SPACING
HAMEMELIS VERNALIS (OZARK WITCH HAZEL)	2–5 GAL POTTED	8 – 20 FOOT SPACING
CORNUS ALTERNIFOLIA (PAGODADOGWOOD)	2–5 GAL POTTED	8 – 20 FOOT SPACING
OSTRYA VIRGINIANA (HOP HORNBEE)	2–5 GAL POTTED	8 – 20 FOOT SPACING
VIBURNUM MOLLE (KENTUCKY VIBURNUM)	2–5 GAL POTTED	8 – 20 FOOT SPACING
V. RUFIDULUM (RUSTY BLACKAW)	2–5 GAL POTTED	8 – 20 FOOT SPACING
SHADE TOLERANT PLANT SPECIES – REVEGETATION BLANKET BENCH		
SPECIES	SIZE	SPACING
AMELANCHIER ARBOREA (SERVICEBERRY)	2 GAL POTTED STOCK	6 – 8 FOOT SPACING
CALLICARPA AMERICANA (BEAUTYBERRY)	2 GAL POTTED STOCK	6 – 8 FOOT SPACING
CORNUS ALTERNIFOLIA (PAGODA DOGWOOD)	2 GAL POTTED STOCK	6 – 8 FOOT SPACING
CORNUS FLORIDA (FLOWERING DOGWOOD)	2 GAL POTTED STOCK	6 – 8 FOOT SPACING
DIRCA PALUSTRIS (LEATHERWOOD)	2 GAL POTTED STOCK	6 – 8 FOOT SPACING
HAMAMELIS VIRGINIANA (EASTER WITCH HAZEL)	2 GAL POTTED STOCK	6 – 8 FOOT SPACING
SALIX NIGRA (BLACK WILLOW)	2 GAL POTTED OR 2" DIAMETER DORMANT LIVE STAKE	20 FOOT SPACING
SAMBUCUS NIGRA (COMMON ELDERBERRY)	2 GAL POTTED STOCK	6 – 8 FOOT SPACING
LIVE STAKES – ROCK TOE PROTECTION		
SPECIES	SIZE	SPACING
SALIX NIGRA (BLACK WILLOW)	2" DIAMETER DORMANT LIVE STAKES	3 FOOT SPACING
SALIX INTERIOR ROWLER (SANDBAR WILLOW)	2" DIAMETER DORMANT LIVE STAKES	3 FOOT SPACING
NATIVE SEED – ENTIRE REVEGETATION BLANKET		
NOTE:		
GRASS SEED MIX TO BE BROADCAST WITH TACTIFIER AT A RATE OF 3LBS./100 SQ. FT.		
COMMON NAME	SCIENTIFIC NAME	
LITTLE BLUESTEM	SCHIZACHYRIUM SCOPARIUM	
PATH RUSH	JUNCUS TENUIS	
VIRGINIA WILD RYE	ELYMUS VIRGINICUS	
SIDEOTS GRAMA	BOULETELOUA CURTIPENDULA	
PLUGS – REVEGETATION BLANKET UPPER BANK		
NOTES:		
ALL PLANTS LISTED SHALL BE RANDOMLY INSTALLED IN PLUG FORM WITH A MINIMUM OF 4 INCHES OF GROWTH ON 2–FOOT CENTERS		
COMMON NAME	SCIENTIFIC NAME	
BEE BALM	MONARDA FISTULOSA	
BLUE LOBELIA	LOBELIA SIPHILITICA	
COLUMBINE	AQUILEGIA CANADENSIS	
CRESTED IRIS	IRIS CRISTATA	
PURPLE CONEFLOWER	ECHINACEA PURPUREA	
WILD GERANIUM	GERANIUM MACULATUM	
BLACK–EYED SUSAN	RUDBECKIA HIRTA	
GARDEN PHLOX	PHLOX PANICULATA	
SLENDER MOUNTAIN MINT	PYCNANTHEMUM TENUIFOLIUM	
WINGSTEM	VERBESINA HELIANTHOIDES	
PLUGS – REVEGETATION BLANKET BENCH		
NOTES:		
ALL PLANTS LISTED SHALL BE RANDOMLY INSTALLED IN PLUG FORM WITH A MINIMUM OF 4 INCHES OF GROWTH ON 2–FOOT CENTERS		
COMMON NAME	SCIENTIFIC NAME	
AMERICAN WATER–WILLOW	JUSTICIA AMERICANA	
GREATER STRAW SEDGE	CAREX NORMALIS	
FRANK’S SEDGE	CAREX FRANKII	
GRAY’S SEDGE	CAREX GRAYI	
ROSEY SEDGE	CAREX ROSEA	
MARSH FLATSEDGE	CYPERUS PSEUDOVEGETUS	
COVER CROP – ENTIRE REVEGETATION BLANKET		
NOTES:		
COVER CROP TO BE BROADCAST WITH TACTIFIER WITH NATIVE SEED GRASS MIX AT RATES GIVEN		
SPECIES TO BE SELECTED AND APPROVED BY MSD BASED ON THE TIME OF PLANTING		
COMMON NAME	APPLICATION RATE	
OATS	90 LBS./ACRE	
ANNUAL RYE	90 LBS./ACRE	

CONSULTANT PROJECT NO.
75150045

FEDERAL PROJECT NO.

REV. DATE BY APP. DESCRIPTION

DISCLAIMER OF LIABILITY
I hereby certify that the documents intended to be authorized by my seal are the work of me and I hereby disclaim any responsibility for all other drawings, specifications, or documents or instruments relating to or intended to be used for any part of the survey engineering project to survey

STATE OF MISSOURI
J. CHOINKA
PROFESSIONAL LANDSCAPE ARCHITECT
LICENSE NO. 024748

DATE: 1/10/17

PREPARED BY:
HRGreen
HRGreen
J. CHOINKA
PROFESSIONAL LANDSCAPE ARCHITECT
LICENSE NO. 024748

ST. PETERS MISSOURI

JUNGERMANN ROAD
STREAM AND
TRAIL IMPROVEMENTS
MISCELLANEOUS
DETAILS
(SHEET 1 OF 7)

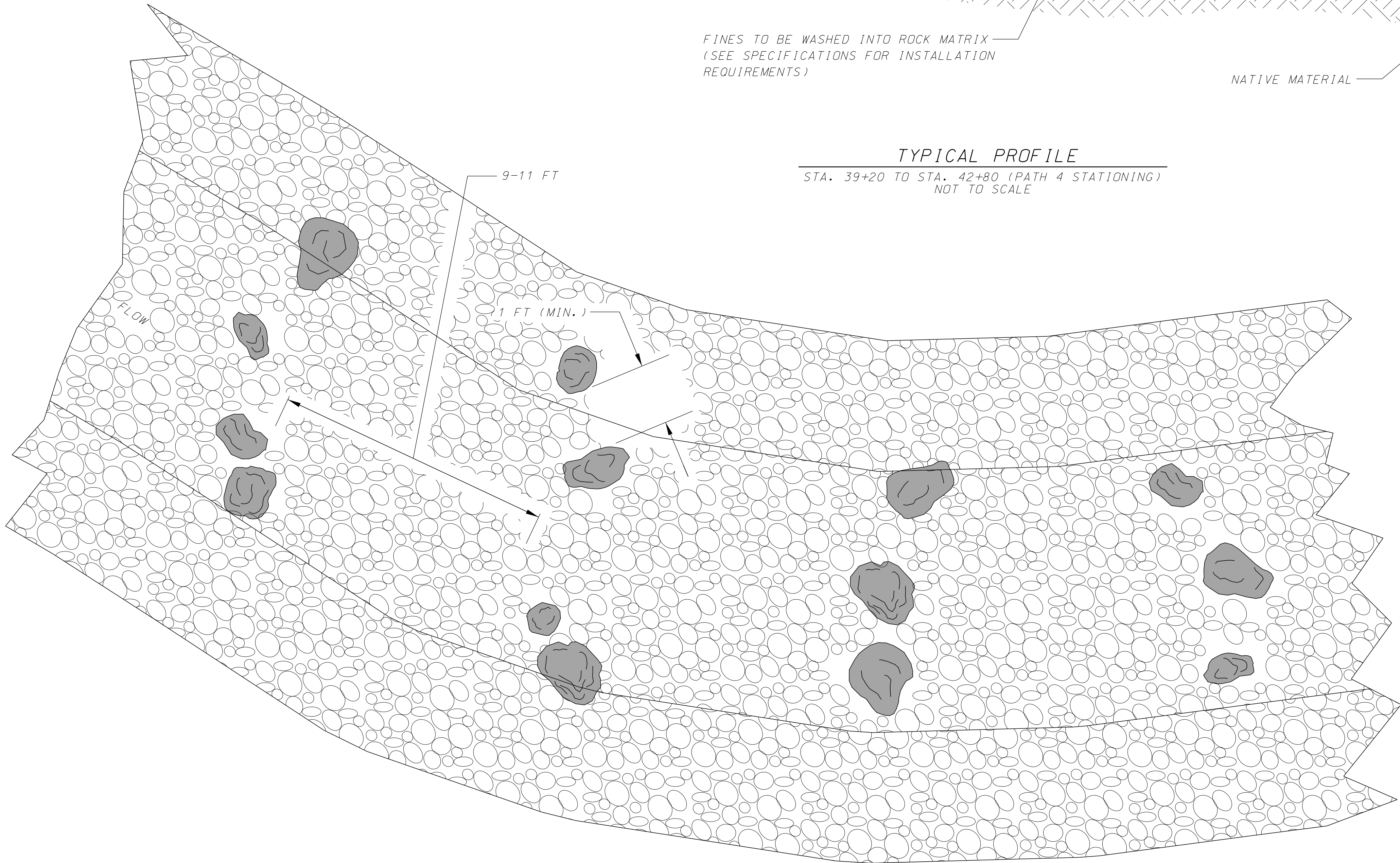
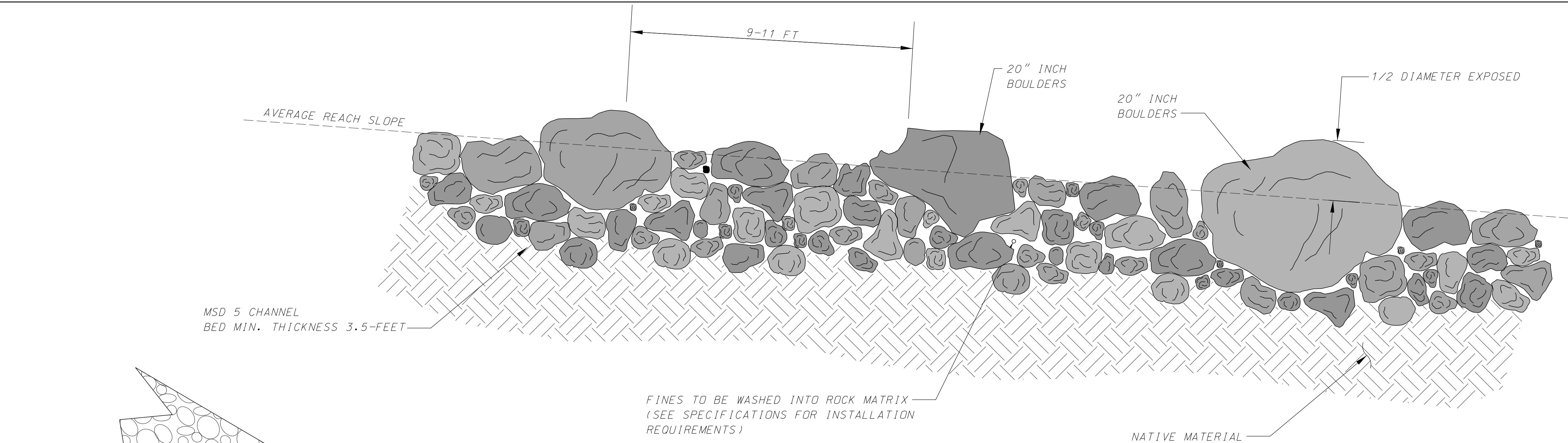
DESIGNED: J. CHOINKA

DRAWN: G. STANGER

CHECKED: J. CHOINKA

SHEET SEQUENCE:
21 OF 48

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TYPICAL PROFILE
STA. 39+20 TO STA. 42+80 (PATH 4 STATIONING)
NOT TO SCALE

MSD 5 NOTES:

BOULDERS SHALL BE INCORPORATED INTO THE CHANNEL BED.

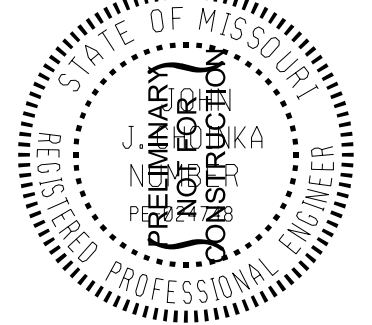
THE FINE FRACTION OF THE GRADATION WILL NEED TO BE WASHED INTO THE COARSE FRACTION. SEE SPECIFICATIONS.

CONSULTANT PROJECT NO.
75150045

FEDERAL PROJECT NO.

REVISIONS
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PREPARED BY:
HRGreen
HRGreen
JOHN J. CHOINKA
PROJECT NO. 024748
LICENSE NO. 024748



JUNGERMANN ROAD
STREAM AND
TRAIL IMPROVEMENTS
MISCELLANEOUS
DETAILS
(SHEET 5 OF 7)

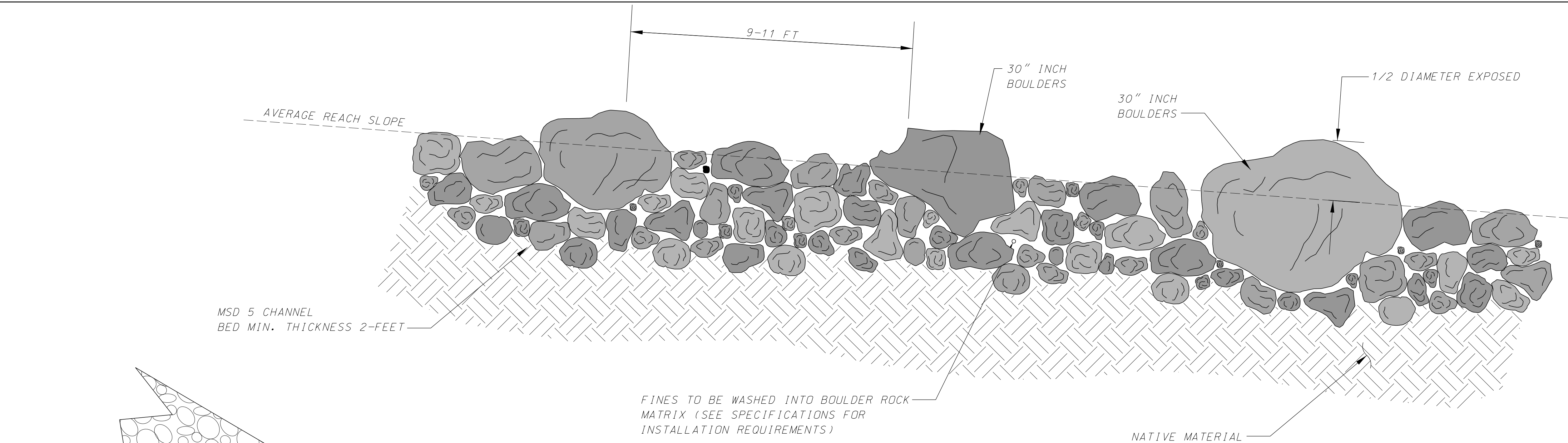
DESIGNED: J. CHOINKA

DRAWN: G. STANGER

CHECKED: J. CHOINKA

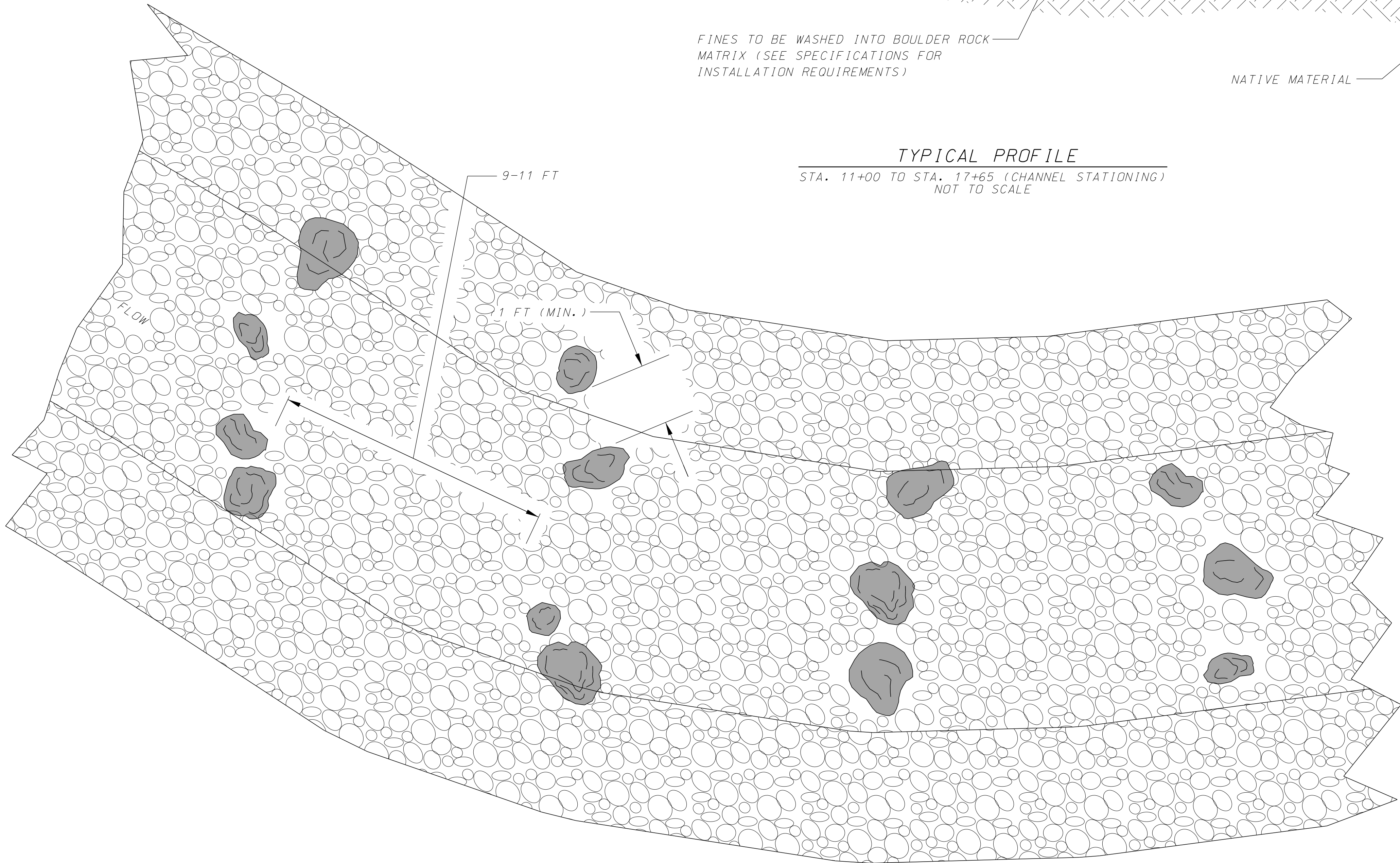
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TYPICAL PROFILE

STA. 11+00 TO STA. 17+65 (CHANNEL STATIONING)
NOT TO SCALE



TYPICAL PROFILE

STA. 11+00 TO STA. 17+65 (CHANNEL STATIONING)
NOT TO SCALE

MSD 8 NOTES:

BOULDERS SHALL BE INCORPORATED INTO THE CHANNEL BED.

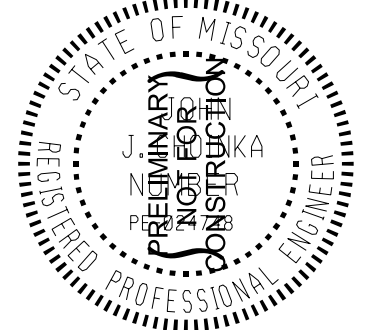
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JUNGERMANN ROAD
STREAM AND
TRAIL IMPROVEMENTS
MISCELLANEOUS
DETAILS
(SHEET 6 OF 7)

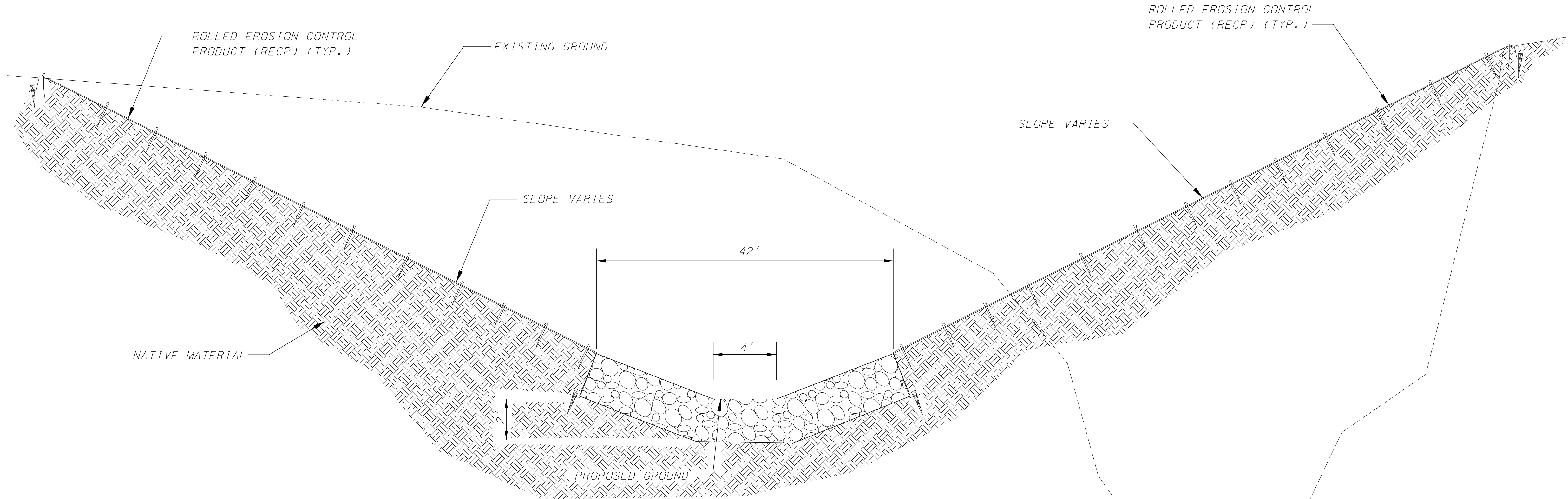
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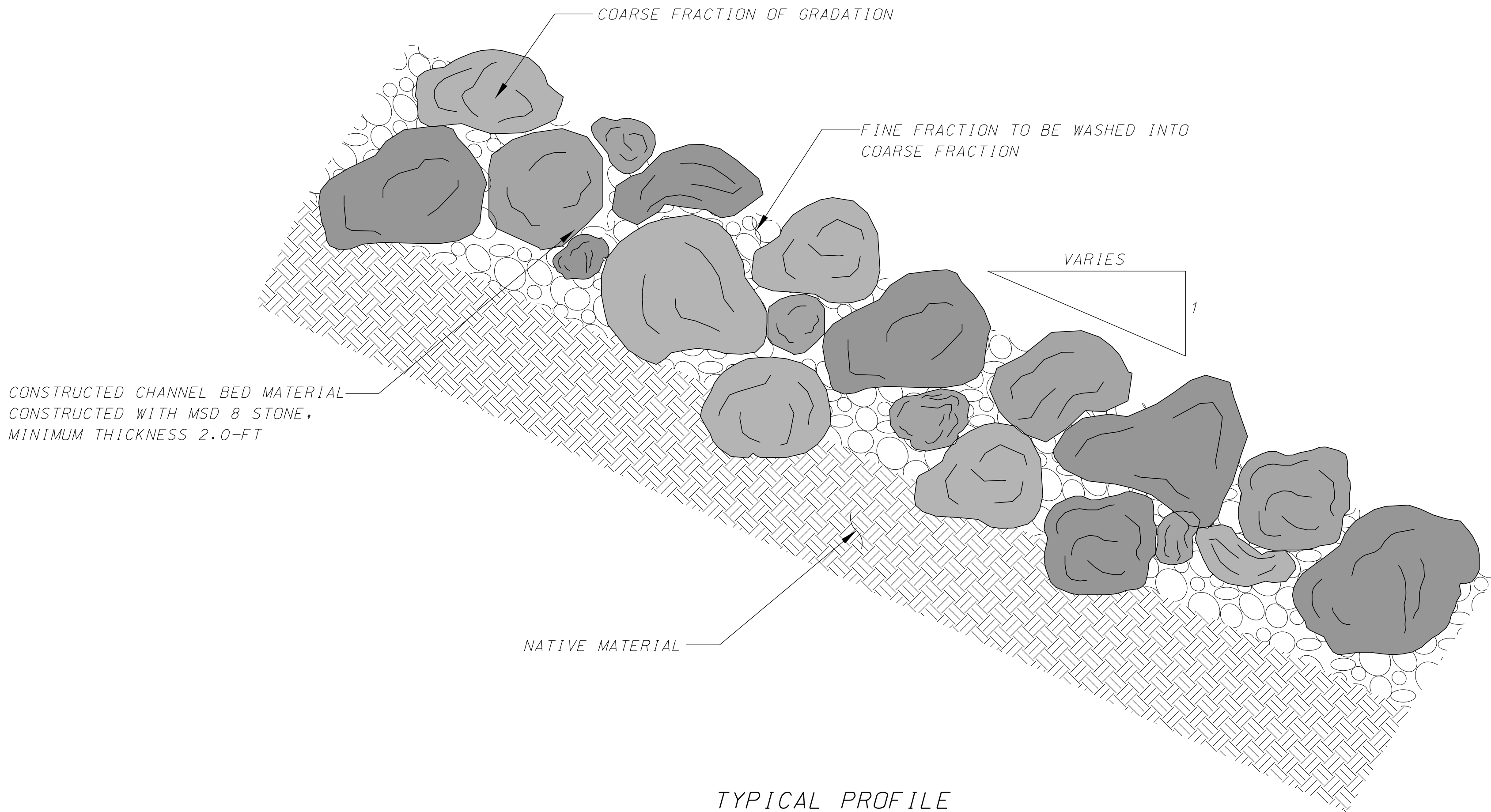
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TYPICAL PROFILE

STA. 11+00 TO STA. 17+65 (CHANNEL STATIONING)
NOT TO SCALE



TYPICAL PROFILE

STA. 11+00 TO STA. 17+65 (CHANNEL STATIONING)
NOT TO SCALE

NOTES:

CHANNEL BED WILL HAVE A BOULDER CASCADE APPEARANCE.

THE FINE FRACTION OF THE GRADATION WILL NEED TO BE WASHED INTO THE COARSE FRACTION. SEE SPECIFICATIONS.

CONSULTANT PROJECT NO.
75150045

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PREPARED BY:
HRGreen
JOHN J. CHOINKA
PROFESSIONAL ENGINEER
LICENSE NO. 024748



JUNGERMANN ROAD
STREAM AND
TRAIL IMPROVEMENTS
MISCELLANEOUS
DETAILS
(SHEET 7 OF 7)

DESIGNED: J. CHOINKA

DRAWN: G. STANGER

CHECKED: J. CHOINKA

SHEET SEQUENCE:
27 OF 48