

# 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-3108**  
**Public Notice Date:**  
**September 20, 2018**

**Postmaster Please Post Conspicuously Until:**

**Expiration Date:**  
**October 11, 2018**

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**File Number: MVS-2018-290**

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. Charles Attention: Nicholas Galla, 200 North Second St., St. Charles, MO. 63301.

**LOCATION:** The downstream end of the project begins just downstream of where the Norfolk Southern Railroad crosses over Cole Creek, near Elm Point Road. The project area then extends upstream through the confluence of Cole Creek with East Branch Cole Creek. The project area includes a small portion of East Branch Cole Creek and continues further upstream, approximately 1,000 feet beyond where Runnymede Drive crosses Cole Creek. Cole Creek flows into Dardenne Creek, a primary tributary to the Mississippi River.

**PROJECT DESCRIPTION:** The applicant seeks authorization to conduct grading and filling operations in waters of the United States to reduce the risk of flooding to 11 single-family homes and 7 apartment buildings adjacent to Cole Creek. The project will also provide a stable channel cross section to prevent continued soil erosion and to protect instream infrastructure including pipe crossings and bridges. The project proposes impacts to approximately 4,000 linear feet of Cole Creek and East Branch Cole Creek.

The project includes the removal and replacement of the bridges over Cole Creek at Elm Point and at Runnymede Drive. The structures will be replaced with longer spans and shallower decks for increased flow capacity. In addition, the channel of Cole Creek will be widened at two locations. Widening of the channel will

include four techniques:

- a. Widening of the channel with banks reconstructed at 2H:1V slopes covered with 3-foot thick stone revetment at the two bridge replacements
- b. Widening of the channel with banks reconstructed at 3H:1V slopes and planted with native plants and grass species.
- c. Widening of the channel with banks reconstructed at 2H:1V slopes of wrapped earth comprised of 1-foot thick lifts of soil wrapped in coir fabric with the face of the slope planted with native plants and grass species and willow stakes.
- d. Widening of the channel with composite cross section consisting of heavy stone revetment at the toe of the slope up to a tiered limestone block retaining wall.

The entire project impacts approximately 5-acres of streambank and channel. The applicant has attempted to minimize the use of hard armor and limited its use to areas where they have deemed it necessary as an engineered solution. Rock armor will account for 2-acres of the overall project impacts. The remaining 3-acres of impacts will include bio-stabilized slopes and vegetated, low-flow benches.

**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>

For further information regarding this project, please visit the City of St. Charles webpage at:  
<https://www.stcharlescitymo.gov/657/Cole-Creek---Elm-Point-Rd-to-Runnymede-D>

**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](mailto: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 is 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 the Phase I Survey conducted by Archaeological Research Center of St. Louis. 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.

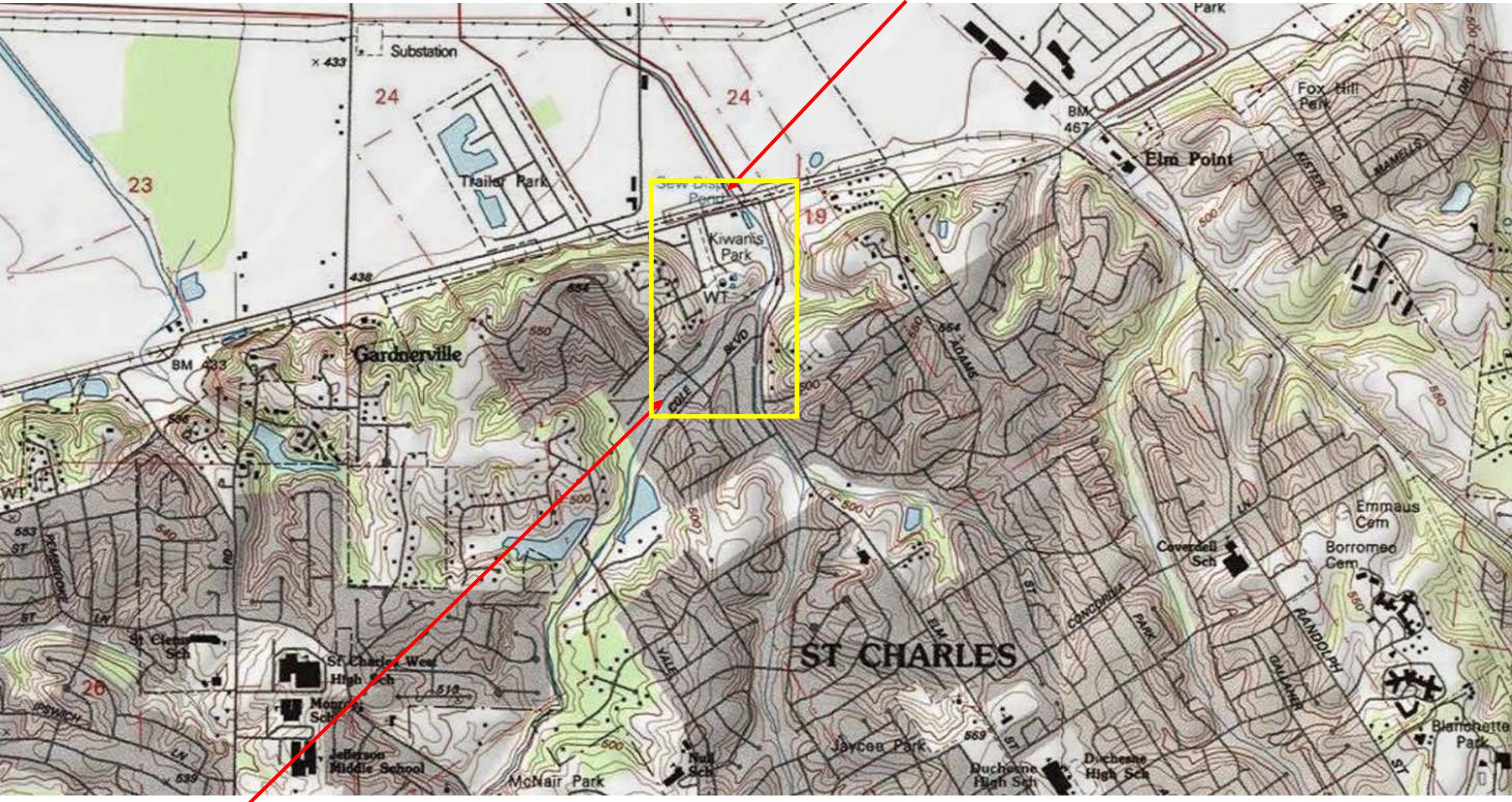
DANNY D. MCCLENDON  
Chief, Regulatory Branch

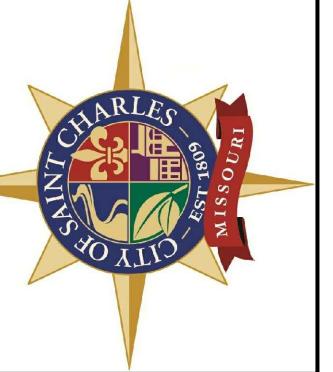
Attachments

**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.







# CITY OF ST.CHARLES, MISSOURI

## COLE CREEK FLOOD REDUCTION PROJECT

65% PLANS

### LEGEND:

FLARED END SECTION	MAILBOX
CURB/AREA INLET	SIGN
DOUBLE CURB/AREA INLET	POWER POLE
GRATE INLET	GUY WIRE
DOUBLE GRATE INLET	LIGHT STANDARD
GRATE MANHOLE	YARD LIGHT
STORM SEWER MANHOLE	BOLLARD
SANITARY SEWER MANHOLE	UTILITY BOX
ELECTRIC MANHOLE	TRAFFIC SYMBOL
TELEPHONE MANHOLE	TREE
CABLE TV BOX	BUSH
ELECTRIC BOX	FOUND PIPE
STREET LIGHT BOX	SET PIPE
TRAFFIC CONTROL BOX	ROW MARKER
TELEPHONE CABLE PEDESTAL	BENCHMARK
ELECTRIC METER	MONUMENT
GAS METER	CONTROL
WATER METER	AXLE
GAS VALVE	CROSS
WATER VALVE	RR SPIKE
FIRE HYDRANT	

### HORIZONTAL CONTROL STATEMENT

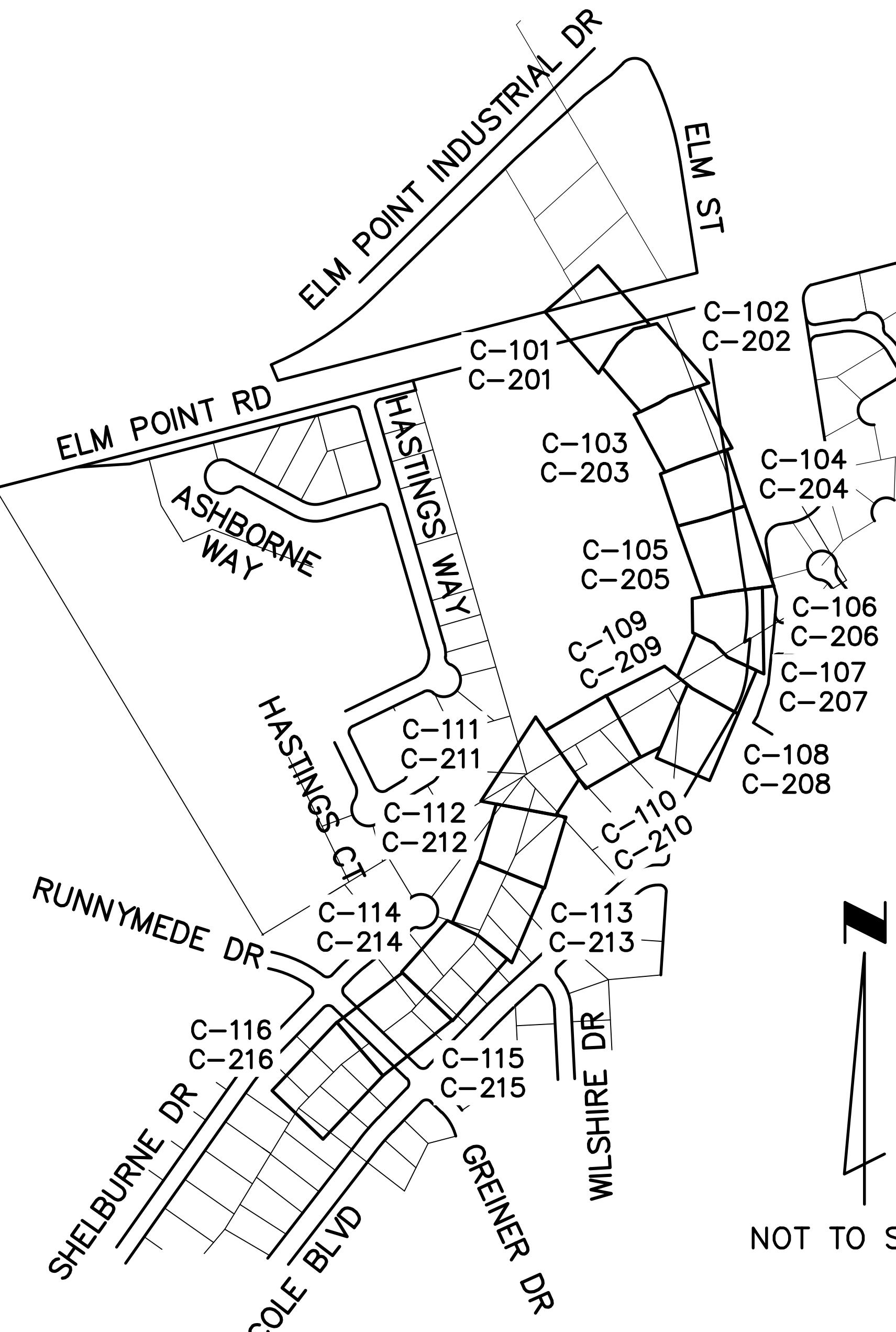
STATE PLANE COORDINATES ON THIS PROJECT WERE ESTABLISHED UTILIZING THE MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION GLOBAL NAVIGATION SATELLITE REAL TIME NETWORK FOR CONTINUOUS OPERATING STATIONS DURING NOVEMBER, 2011, AND ARE BASED ON THE MISSOURI COORDINATE SYSTEM OF 1983, EAST ZONE. GPS OBSERVATIONS WERE MADE ON 17 BASE LINE CONTROL POINTS.

THE AVERAGE COMBINED PROJECT GRID FACTOR IS 0.999914199 AS CALCULATED BY TRIMBLE GEOMATICS OFFICE SOFTWARE.

PROJECT COORDINATES ARE MODIFIED MISSOURI STATE PLANE COORDINATES AND WERE ESTABLISHED BY APPLYING THE INVERSE OF THE PROJECT GRID FACTOR (1.000090858080).

### ABBREVIATIONS:

AHD	AHEAD	FOC	FACE OF CURB	SAN	SANITARY
AI	AREA INLET	GI	GRATE INLET	SE	SUPER ELEVATION
ASPH	ASPHALT	HDPE	HIGH DENSITY POLYETHYLENE	SF	SQUARE FEET
ATG	ADJUST TO GRADE	HOR	HORIZONTAL	SHLD	SHOULDER
BK	BACK	L	LENGTH	SHT	SHEET
BM	BENCHMARK	MAX	MAXIMUM	STA	STATION
BOC	BACK OF CURB	MIN	MINIMUM	STD	STANDARD
CB	CITY BLOCK	N/F	NOW OR FORMER	STM	STORM
CF	CUBIC FEET	NO	NUMBER	SWR	SEWER
CI	CURB INLET	NTS	NOT TO SCALE	SY	SQUARE YARD
CMP	CORRUGATED METAL PIPE	OHE	OVERHEAD ELECTRIC	T	TANGENT
COMB	COMBINED	PC	POINT OF CURVE	TBR	TO BE REMOVED
CONC	CONCRETE	PDE	PERMANENT DRAINAGE EASEMENT	TBR&R	TO BE REMOVED AND REPLACED
CY	CUBIC YARD	PG	PAGE	TREL	TO BE RELOCATED
D	DEGREE OF CURVE	PI	POINT OF INTERSECTION	TCE	TEMPORARY CONSTRUCTION EASEMENT
DIP	DUCTILE IRON PIPE	PT	POINT OF TANGENT	TYP	Typical
DN	DOWN	PVC	POLYVINYLCHLORIDE	UE	UNDERGROUND ELECTRIC
DND	DO NOT DISTURB	PVMT	PAVEMENT	UPI	USE IN PLACE
EL	ELEVATION	R	RADIUS	VCP	VITRIFIED CLAY PIPE
EOP	EDGE OF PAVEMENT	R/W	RIGHT-OF-WAY	VER	VERTICAL
EX	EXISTING	RCP	REINFORCED CONCRETE PIPE	X-SEC	CROSS SECTION
FL	FLOWLINE	RET	RETAINING		



NOT TO SCALE

### INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
G-001	COVER SHEET
G-002	COORDINATES SHEET
C-001 - C-002	STREAM IMPROVEMENTS GENERAL PLAN SHEETS
C-101 - C-116	STREAM GRADING PLAN SHEETS
C-201 - C-216	STREAM IMPROVEMENTS PLAN SHEETS
C-301 - C-302	STREAM IMPROVEMENTS DETAIL SHEETS
C-401 - C-406	STREAM IMPROVEMENTS CROSS SECTION SHEETS
B-001 - B-002	BRIDGE PLAN SHEETS
R-001 - R-002	ROADWAY TYPICAL SECTION SHEETS
R-003 - R-004	ROADWAY PLAN AND PROFILE SHEETS
R-005 - R-010	TRAFFIC CONTROL PLAN SHEETS

### GENERAL NOTES

1. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEY AND RECORDS. THE CITY OF ST. CHARLES DOES NOT WARRANT THE LOCATION OF THESE FACILITIES AS PRECISE. 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 THE EXISTENCE AND PRECISE LOCATION OF ALL FACILITIES AND TO AVOID DAMAGE.
2. ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.
3. ALL CONSTRUCTION AND MATERIALS USED SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF ST. CHARLES.
4. THE CITY OF ST. CHARLES SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO THE START OF ANY CONSTRUCTION. ANY ITEMS CONSTRUCTED WITHOUT PROPER NOTIFICATION AND/OR INSPECTION WILL BE CONSIDERED UNACCEPTABLE.
5. ALL PROPERTY DISTANCES SHOWN HEREON ARE RECORD UNLESS NOTED AS CALCULATED (C).
6. BEARING SYSTEM ADOPTED FROM THE MISSOURI COORDINATE SYSTEM OF 1983, EAST ZONE, GRID NORTH.

### WATER QUALITY PROTECTION NOTES

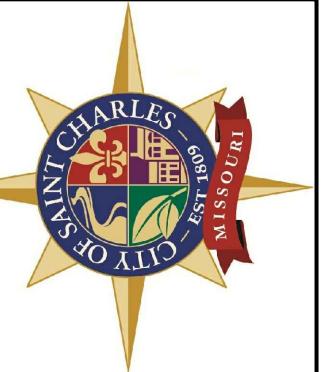
1. NO JURISDICTIONAL SPRINGS SHALL BE FILLED. IF A SUSPECTED SPRING IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE CITY'S INSPECTOR.
2. CONTRACTOR SHALL LIMIT PROJECT ACTIVITY AT LOW FLOWS AND WATER LEVELS TO LIMIT THE AMOUNT OF SEDIMENT DISTURBANCE CAUSED BY HEAVY EQUIPMENT AND SHALL LIMIT THE DURATION AND EXTENT THAT ANY HEAVY EQUIPMENT IS REQUIRED TO BE IN THE STREAM.
3. FUEL, OIL AND OTHER PETROLEUM PRODUCTS, EQUIPMENT, CONSTRUCTION MATERIALS, AND ANY SOLID WASTE SHOULD NOT BE STORED BELOW THE ORDINARY HIGH WATER MARK AT ANY TIME OR IN THE ADJACENT FLOOD-PRONED AREAS BEYOND NORMAL WORKING HOURS. ALL PRECAUTIONS SHOULD BE TAKEN TO AVOID THE RELEASE OF WASTES OR FUEL TO STREAMS AND OTHER ADJACENT WATERS AS A RESULT OF THIS OPERATION.
4. PETROLEUM PRODUCTS SPILLED INTO ANY WATER OR ON THE BANKS WHERE THE MATERIAL MAY ENTER WATERS OF THE STATE SHOULD BE IMMEDIATELY CLEANED UP AND DISPOSED OF PROPERLY. ANY SUCH SPILLS OF PETROLEUM SHOULD BE REPORTED AS SOON AS POSSIBLE, BUT NO LATER THAN 24 HOURS AFTER DISCOVERY TO THE DEPARTMENT'S ENVIRONMENTAL EMERGENCY RESPONSE PHONE LINE AT 573-634-2436 OR WEBSITE AT [HTTP://DNR.MO.GOV/ENV/ESP/ESP-EER.HTM](http://DNR.MO.GOV/ENV/ESP/ESP-EER.HTM).
5. ONLY CLEAN, NONPOLLUTING FILL SHOULD BE USED. THE FOLLOWING MATERIALS ARE NOT SUITABLE WHERE CONTACT WITH WATER IS EXPECTED SUCH AS FOR BANK STABILIZATION AND SHOULD NOT BE USED DUE TO THEIR POTENTIAL TO CAUSE VIOLATIONS OF THE GENERAL CRITERIA OF THE WATER QUALITY STANDARDS (10 CSR 20-7.031(4)(A)-(H)):
  - A. CONCRETE WITH EXPOSED REBAR, BROKEN CONCRETE OR FRAGMENTED ASPHALT.
  - B. TIRES, VEHICLES OR VEHICLE BODIES, AND CONSTRUCTION OR DEMOLITION DEBRIS ARE SOLID WASTE AND ARE EXCLUDED FROM PLACEMENT IN THE WATERS OF THE STATE.
  - C. LIQUID CONCRETE, INCLUDING GROUTED RIPRAP, IF NOT PLACED AS PART OF AN ENGINEERED STRUCTURE.
  - D. ANY MATERIAL CONTAINING CHEMICALS THAT WOULD RESULT IN VIOLATION OF WATER QUALITY STANDARDS.
6. ANY WASTE CONCRETE OR CONCRETE RINSE SHOULD BE DISPOSED OF IN A MANNER THAT DOES NOT RESULT IN ANY DISCHARGE TO THE JURISDICTIONAL WATER WAYS.

CITY OF ST CHARLES, MISSOURI  
COLE CREEK FLOOD REDUCTION PROJECT  
TITLE SHEET

PROGRESS SET  
WORK IN PROGRESS

Drawn By MSM  
Checked By  
Project No. C16-348  
Scale on 22"X34"  
N/A  
Date SEPTEMBER 2018  
Drawing No. G-001

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CITY OF ST. CHARLES, MISSOURI  
CHANNEL GRADING AND IMPROVEMENTS  
By:

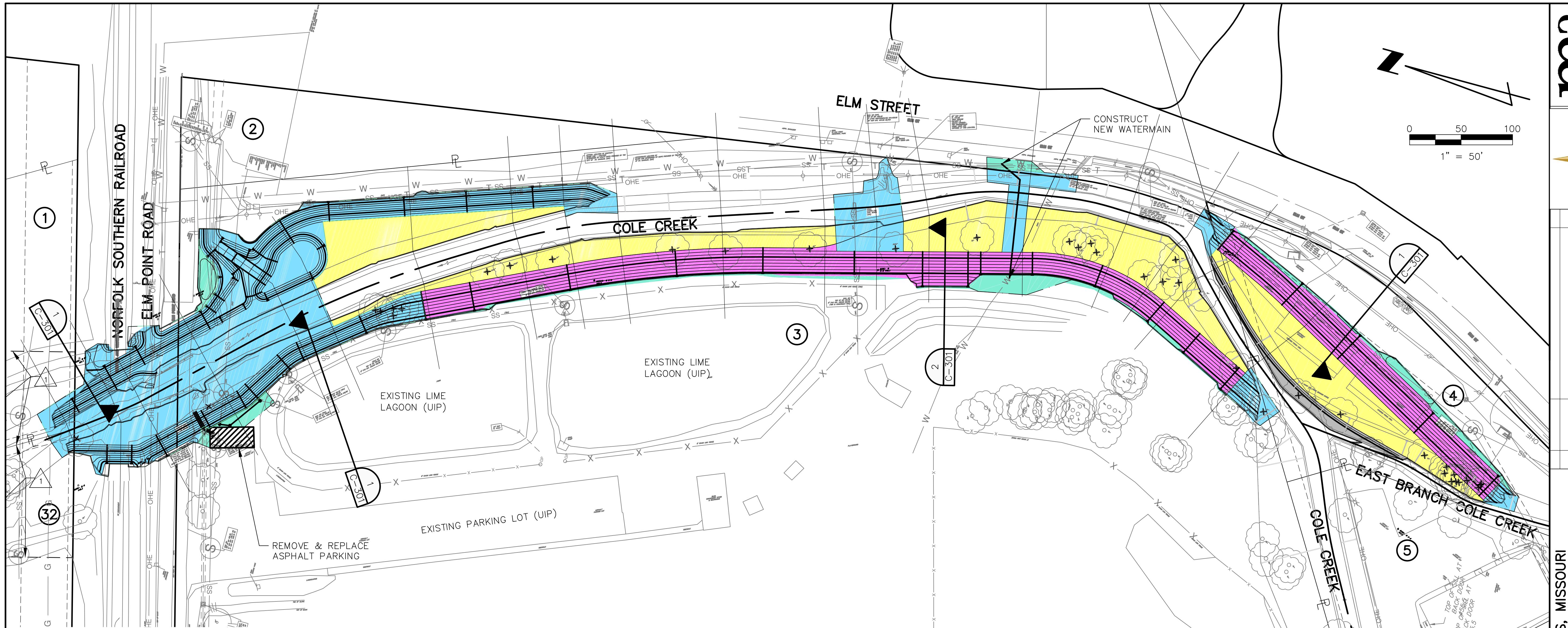
CITY OF ST. CHARLES, MISSOURI PROJECT  
COLE CREEK FLOOD REDUCTION PROJECT  
Rev. Date Description

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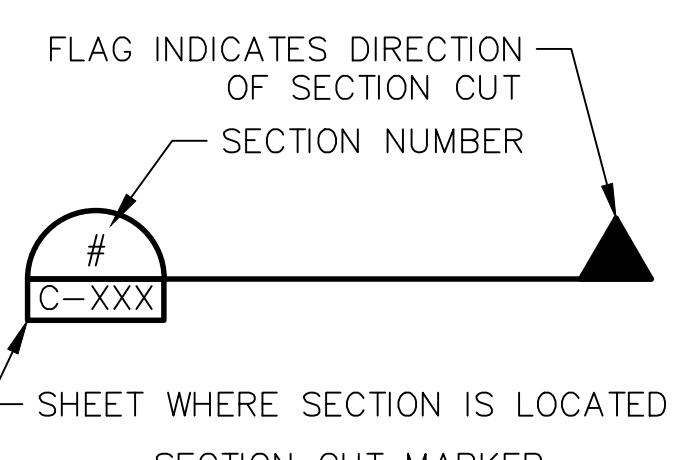
Drawn By Checked By  
MRB MSM  
Project No.  
C16-348  
Scale on 22" x 34"  
1" = 50'  
Date  
SEPTEMBER 2018  
Drawing No.  
C-001



PARCEL ID	PROPERTY N/F	AREAS (SQUARE FEET)		
		COMPLETE TAKING	PDUE	TCE
1	THE PINES AT ELM POINT LLC	—	6,440	—
2	ST. CHARLES COUNTY	—	—	—
3	CITY OF ST. CHARLES	—	—	—
4	BURTON J. BOLLINGER JR. & LOUISE A. BOLLINGER, TRUSTEES	56,280	—	—
5	CREEKSIDE APARTMENTS, LLC	—	—	19,661
32	VET PROPERTY LLC	—	8,560	—

SHEET LEGEND

- CHANNEL GRADING
- HEAVY STONE REVETMENT
- BIO-STABILIZED BANK
- WRAPPED EARTH SLOPE
- WETLAND PLANTINGS
- SOD
- X TREE TO BE REMOVED
- P PROPERTY LINE
- EXISTING EASEMENT LINE
- - - PROPOSED EASEMENT LINE
- 1 PARCEL ID
- 1 PERMANENT DRAINAGE & UTILITY EASEMENT
- 2 TEMPORARY CONSTRUCTION EASEMENT
- 3 STACKED STONE RETAINING WALL



CITY OF ST. CHARLES  
WATER TREATMENT PLANT

MATCHLINE (SEE SHEET C-002)

Drawing No. C-001

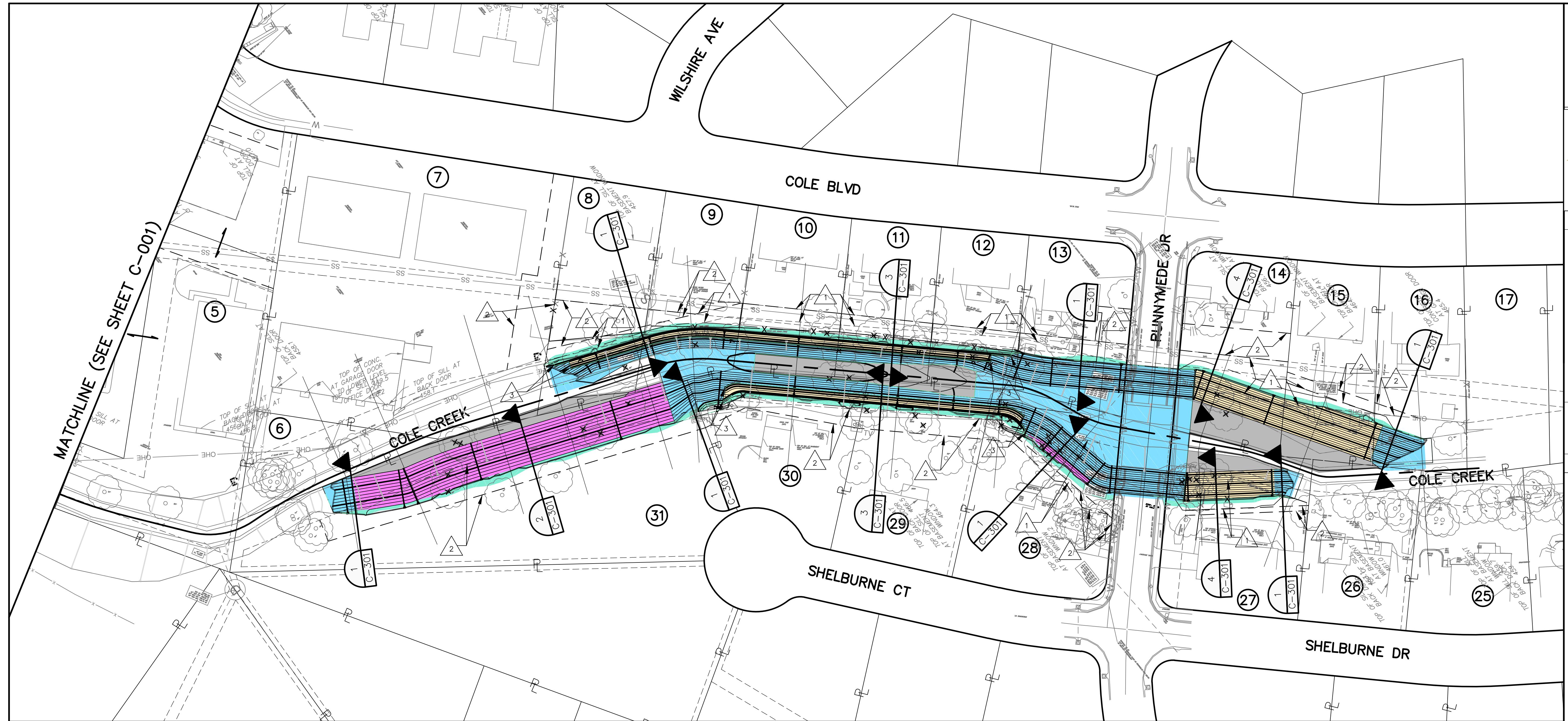


By	Description
By	

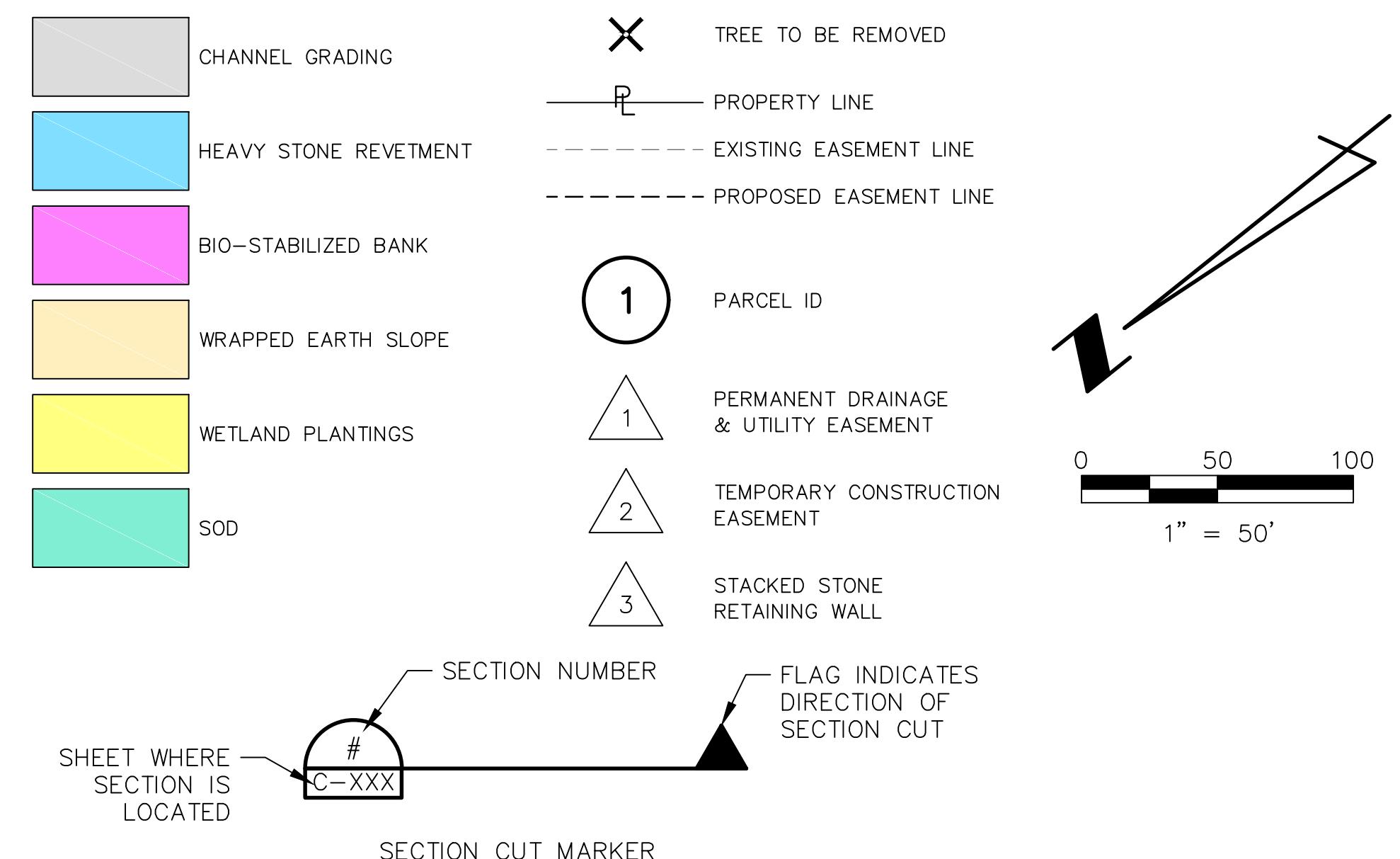
### CITY OF ST CHARLES, MISSOURI COLE CREEK FLOOD REDUCTION PROJECT

### CHANNEL GRADING AND IMPROVEMENTS

MATCHLINE (SEE SHEET C-001)



### SHEET LEGEND



PARCEL ID	PROPERTY N/F	AREAS (SQUARE FEET)		
		COMPLETE TAKING	PDUE	TCE
5	CREEKSIDE APARTMENTS, LLC	-	-	19,661
6	UNKNOWN	-	-	-
7	ROGER F. & SUZANNE J. SCHaub	-	-	5,041
8	DOUGLAS E. & REBECCA A. MEYER	-	972	2,928
9	VICTOR W. ROYAL, JR. & BRENDA C. ROYAL LIVING TRUST DATED JANUARY 23, 2013	-	993	378
10	DAVID PAUL KETCHERSIDE	-	1,193	-
11	CINDY A. SAYLES	-	845	-
12	KIMBERLY M. ZANDER	-	562	-
13	ORLANDO PAEZ	-	1,249	1,093
14	ROBERT D. & LINDA L. SPAULDING	-	3,508	2,800
15	RICHARD & LISA JUNG	-	927	902
16	RONALD J. STRATFORD	-	-	223
17	GERALD W. & JEANETTE M. THWING	-	-	-
18	ROBERT J. & NANCY E. HANNA	-	-	-

PARCEL ID	PROPERTY N/F	AREAS (SQUARE FEET)		
		COMPLETE TAKING	PDUE	TCE
19	ANTHONY C. & PEGGY ROUNTREE	-	-	-
20	ANTHONY WULFERT	-	-	-
21	JOAN CAROL VAN DEVEN	-	-	-
22	SHANNAN & CASEY POHLMAN	-	-	3,020
23	STEVEN & RACHEL SMITH	-	-	4,795
24	CHESTER E. & ELANOR A. RUPP	-	-	-
25	RICHARD E. BRICKELL III & JODI L. BRICKELL	-	-	-
26	DAVID H. & BETTY J. ROBBEN	-	-	-
27	GARY M. & IRENE A. KING	-	3,172	593
28	DAVID H. & CAROL F. ARNS	-	4,221	1,336
29	STEPHEN E. AND LORI A. SHIPMAN FAMILY TRUST	-	-	2,282
30	HOLLI & JON KERCHER	-	-	1,948
31	MARK D. & PATRICIA M. WILLIAMS	-	-	10,153

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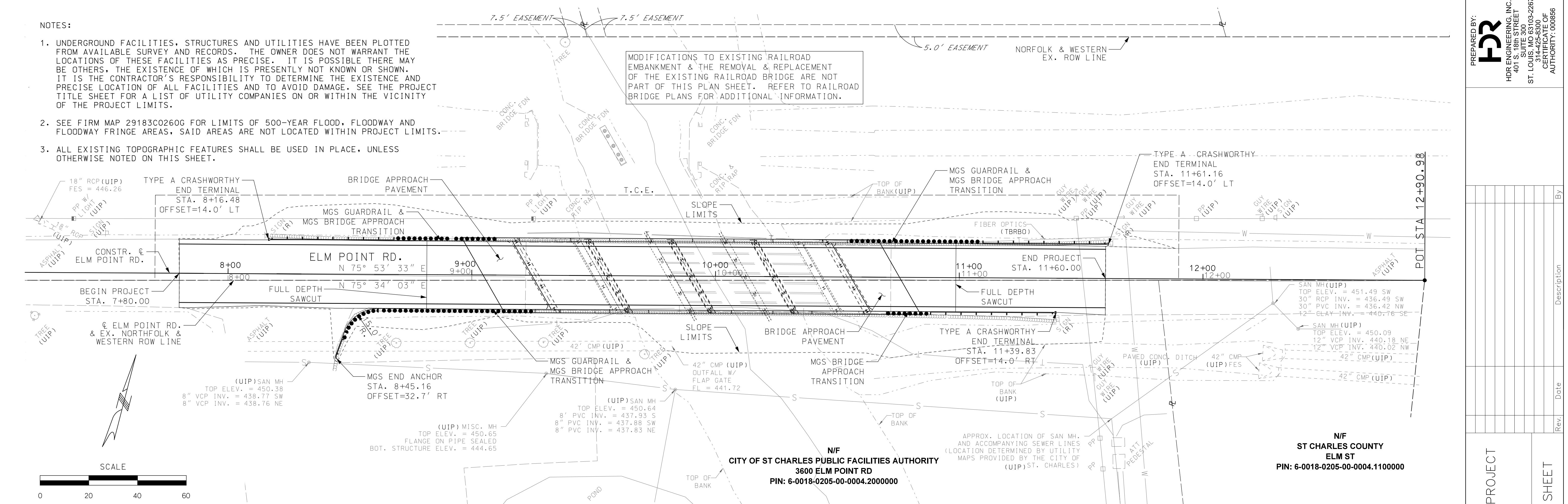
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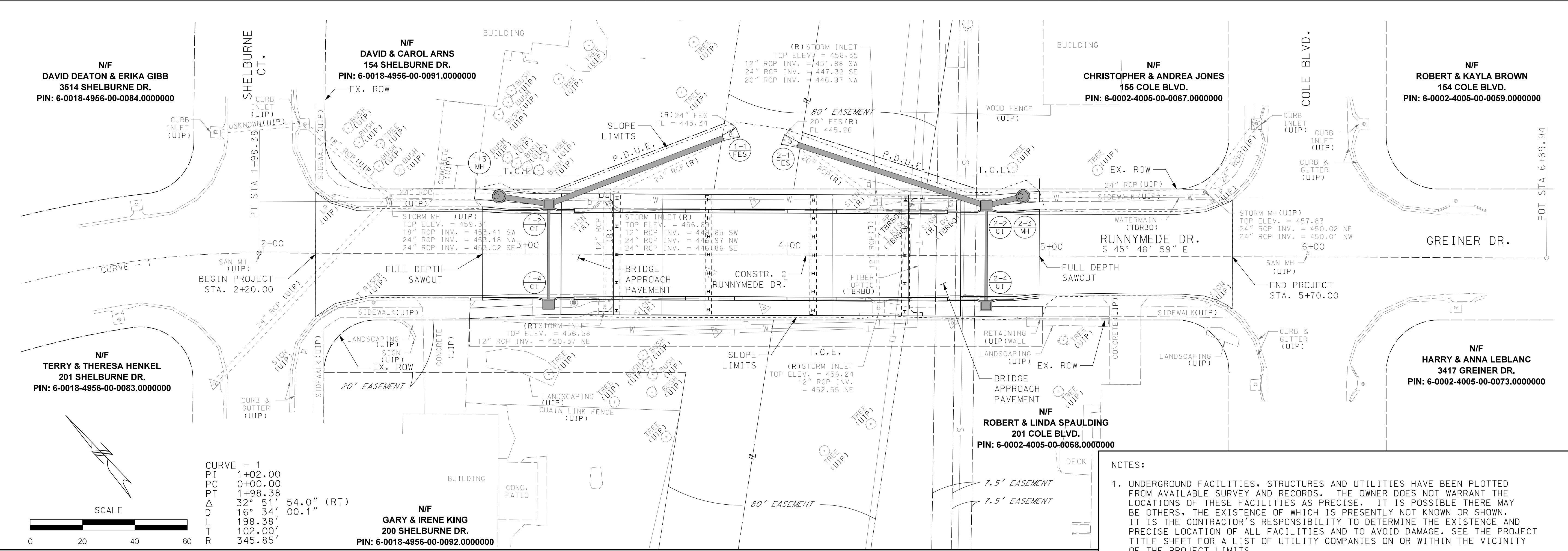
## NOTES:

1. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEY AND RECORDS. THE OWNER DOES NOT WARRANT THE LOCATIONS OF THESE FACILITIES AS PRECISE. 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 THE EXISTENCE AND PRECISE LOCATION OF ALL FACILITIES AND TO AVOID DAMAGE. SEE THE PROJECT TITLE SHEET FOR A LIST OF UTILITY COMPANIES ON OR WITHIN THE VICINITY OF THE PROJECT LIMITS.
2. SEE FIRM MAP 29183C0260G FOR LIMITS OF 500-YEAR FLOOD, FLOODWAY AND FLOODWAY FRINGE AREAS. SAID AREAS ARE NOT LOCATED WITHIN PROJECT LIMITS.
3. ALL EXISTING TOPOGRAPHIC FEATURES SHALL BE USED IN PLACE, UNLESS OTHERWISE NOTED ON THIS SHEET.

MODIFICATIONS TO EXISTING RAILROAD EMBANKMENT & THE REMOVAL & REPLACEMENT OF THE EXISTING RAILROAD BRIDGE ARE NOT PART OF THIS PLAN SHEET. REFER TO RAILROAD BRIDGE PLANS FOR ADDITIONAL INFORMATION.

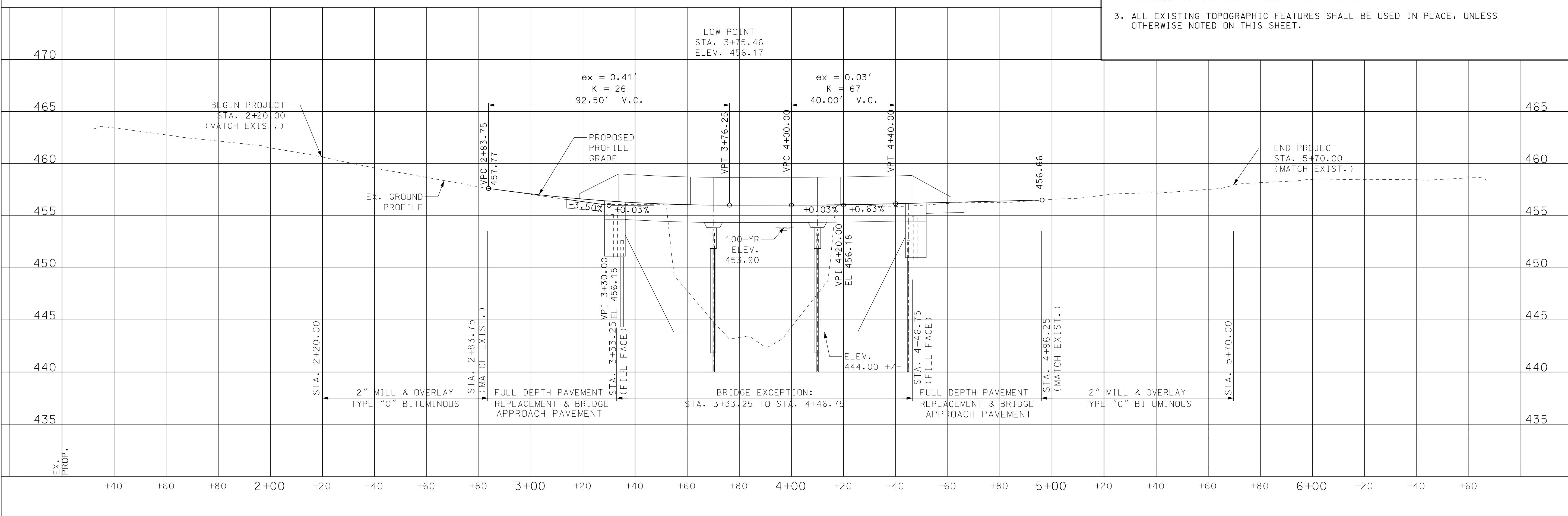
PREPARED BY:  
**HDR**  
 HDR ENGINEERING, INC.  
 401 S. 18th STREET  
 SUITE 300  
 ST. LOUIS, MO 63103-2267  
 314-425-8300  
 CERTIFICATE OF AUTHORITY: 00886





NOTES:

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2. SEE FIRM MAP 29183C0267G FOR LIMITS OF 500-YEAR FLOOD, FLOODWAY AND FLOODWAY FRINGE AREAS, SAID AREAS ARE NOT LOCATED WITHIN PROJECT LIMITS.
3. ALL EXISTING TOPOGRAPHIC FEATURES SHALL BE USED IN PLACE, UNLESS OTHERWISE NOTED ON THIS SHEET.



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Engineer Seal

PROGRESS SET  
WORK IN PROGRESS

Drawn By Checked By  
 KO DSG  
 Project No.  
 10041418  
 Scale on 22"X34"  
 1" = 20'  
 Date NOV 2017  
 Drawing No.  
 R-004