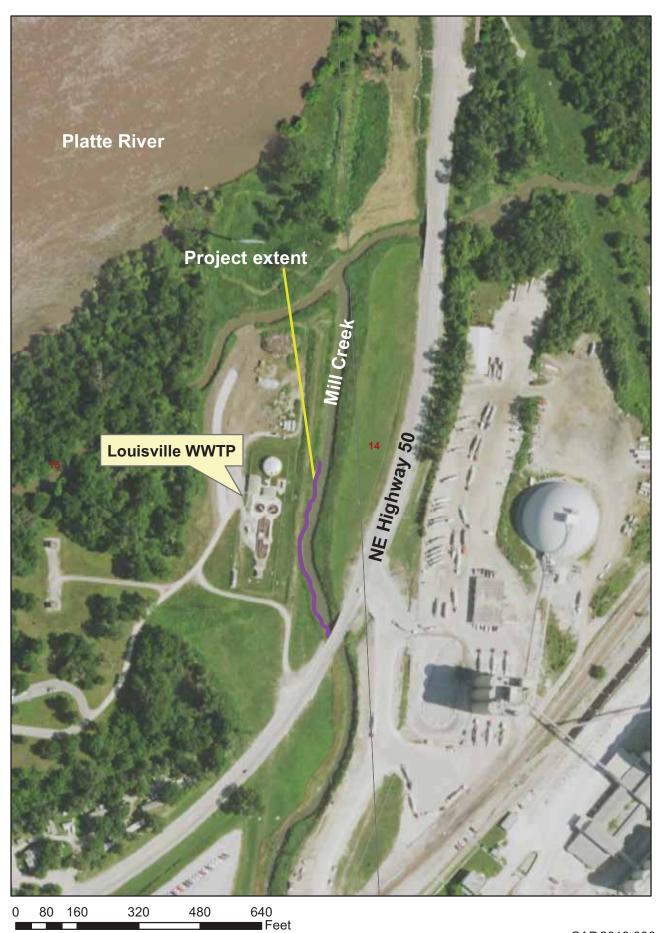
City of Louisville Mill Creek project



Document Page #37 CAP.2019.006

2019 MILL CREEK BANK STABILIZATION LOUISVILLE, NEBRASKA

JEO PROJECT # 190576.00

OWNER:

NAME: CITY OF LOUISVILLE PHONE: 402-234-7705 EMAIL: city@louisvillene.com CONTACT: DEE ARIAS, CITY CLERK/TREASURER

ENGINEER:

NAME: JOHN PETERSEN, P.E. TITLE: PROJECT MANAGER

COMPANY: JEO CONSULTING GROUP, INC.

SHEET NAME:

PHONE: 402-392-9923; 2115 EMAIL: jpetersen@jeo.com

INDEX OF SHEETS:

SHEET NO:

C0.1	COVER SHEET & LOCATION MAP
C0.2	SYMBOLS SHEET
C0.3	GENERAL NOTES, QUANTITIES, & SPECIFICATIONS
C0.4	CONTROL SHEET
C1.1	EXISTING SITE PLAN
C2.1	PROPOSED SITE PLAN
XS.1	CROSS SECTIONS



PROJECT LOCATION, LOUISVILLE, NEBRASKA

Know what's below.
Call before you dig.

<NAME>

UTILITIES:

COMPANY: PHONE: EMAIL:

<NAME>

PHONE:

EMAIL:

COMPANY:

<NAME>

COMPANY: PHONE: EMAIL:

<NAME>

COMPANY: PHONE: EMAIL:

NOTE

NEITHER THE OWNER (CLIENT) NOR JEO CONSULTING GROUP, INC. ASSUMES ANY RESPONSIBILITY FOR UTILITY LOCATIONS BEING ACCURATELY SHOWN OR NOT SHOWN ON THE PLANS. A REQUEST FOR UTILITY LOCATES WAS MADE FOR THIS LOCATION AS PER THE ONE-CALL NOTIFICATION SYSTEM ACT. (DATE: OC DATE. TICKET NO: TICKET NO.)

UTILITIES SHOWN ARE FROM FIELD MARKINGS PROVIDED IN THE FIELD BY THE UTILITY PROVIDERS.

THE EXACT LOCATION AND/OR SIZE OF UNDERGROUND FEATURES MAY NOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED FIELD VERIFICATION OF UTILITIES MAY BE REQUIRED. CONTRACTOR(S) SHALL NOTIFY THE RESPECTIVE UTILITY COMPANIES BEFORE COMMENCING ANY WORK.

SCALE: 1" = 1000'

Document Page #26

C0.1

LINESTYLES	
ITEM	SYMBOL
BREAK LINE	
CABLE TELEVISION	-TV $ -$
CENTERLINE OF ROAD	
CONTOUR MINOR (EX)	— — 1202— —
CONTOUR MAJOR (EX)	1200
CONTOUR MINOR (EX SCREENED)	— — 1202— —
CONTOUR MAJOR (EX SCREENED)	1200
CONTOUR MINOR (PR)	1202
CONTOUR MAJOR (PR)	1200
LIMITS OF CONSTRUCTION	—LOC———
CULVERT	
ELECTRIC (OVERHEAD)	—— OHE— — —
ELECTRIC (UNDERGROUND)	—— UGE— — —
FENCE (WOODEN)	
FENCE (WIRE OR UNKNOWN)	xxx
FENCE (CHAINLINK)	
FENCE (SECURITY)	ΔΔΔ
FIBER OPTIC LINE	——FO——
FLOWLINE (BREAKLINE)	
GAS LINE	
GUARDRAIL	. 0 0 0 0 0 0
PROPERTY BOUNDARY	
PROPERTY LOT LINES (PR)	
RIGHT-OF-WAY LINE	ROW
RAILROAD RIGHT-OF-WAY	
RAILROAD RIGHT-OF-WAY RAILROAD TRACKS	
RAILROAD TRACKS	
RAILROAD TRACKS RETAINING WALL	
RAILROAD TRACKS RETAINING WALL SANITARY SEWER (EXIST)	
RAILROAD TRACKS RETAINING WALL SANITARY SEWER (EXIST) SANITARY SEWER (PROP)	- RR ROW
RAILROAD TRACKS RETAINING WALL SANITARY SEWER (EXIST) SANITARY SEWER (PROP) SAN SEWER FORCE MAIN (EX) SAN SEWER FORCE MAIN (PR)	- RR ROW
RAILROAD TRACKS RETAINING WALL SANITARY SEWER (EXIST) SANITARY SEWER (PROP) SAN SEWER FORCE MAIN (EX)	
RAILROAD TRACKS RETAINING WALL SANITARY SEWER (EXIST) SANITARY SEWER (PROP) SAN SEWER FORCE MAIN (EX) SAN SEWER FORCE MAIN (PR)	- RR ROW
RAILROAD TRACKS RETAINING WALL SANITARY SEWER (EXIST) SANITARY SEWER (PROP) SAN SEWER FORCE MAIN (EX) SAN SEWER FORCE MAIN (PR) STORM SEWER (EXIST) STORM SEWER (PROP)	- RR ROW 8" SAN 8" SAN 8" FM 6" FM 12"ST - (OFFSET TO PIPE SIZE) - 12" ST - (OFFSET TO PIPE SIZE)
RAILROAD TRACKS RETAINING WALL SANITARY SEWER (EXIST) SANITARY SEWER (PROP) SAN SEWER FORCE MAIN (EX) SAN SEWER FORCE MAIN (PR) STORM SEWER (EXIST) STORM SEWER (PROP) TELEPHONE LINE (UGND)	- RR ROW 8" SAN 8" SAN 8" FM 6" FM 12"ST - (OFFSET TO PIPE SIZE) - 12" ST - (OFFSET TO PIPE SIZE)
RAILROAD TRACKS RETAINING WALL SANITARY SEWER (EXIST) SANITARY SEWER (PROP) SAN SEWER FORCE MAIN (EX) SAN SEWER FORCE MAIN (PR) STORM SEWER (EXIST) STORM SEWER (PROP) TELEPHONE LINE (UGND) TELEPHONE LINE (OVERHEAD)	- RR ROW 8" SAN 8" SAN 8" FM 6" FM 12"ST (OFFSET TO PIPE SIZE) - 12" ST - (OFFSET TO PIPE SIZE) - UGT OT -
RAILROAD TRACKS RETAINING WALL SANITARY SEWER (EXIST) SANITARY SEWER (PROP) SAN SEWER FORCE MAIN (EX) SAN SEWER FORCE MAIN (PR) STORM SEWER (EXIST) STORM SEWER (PROP) TELEPHONE LINE (UGND) TELEPHONE LINE (OVERHEAD) TERRACE	- RR ROW 8" SAN 8" SAN 8" FM 6" FM 12"ST (OFFSET TO PIPE SIZE) - UGT OT OT
RAILROAD TRACKS RETAINING WALL SANITARY SEWER (EXIST) SANITARY SEWER (PROP) SAN SEWER FORCE MAIN (EX) SAN SEWER FORCE MAIN (PR) STORM SEWER (EXIST) STORM SEWER (PROP) TELEPHONE LINE (UGND) TELEPHONE LINE (OVERHEAD)	- RR ROW 8" SAN 8" SAN 8" FM 6" FM 12"ST (OFFSET TO PIPE SIZE) - 12" ST - (OFFSET TO PIPE SIZE) - UGT OT -
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RAILROAD TRACKS RETAINING WALL SANITARY SEWER (EXIST) SANITARY SEWER (PROP) SAN SEWER FORCE MAIN (EX) SAN SEWER FORCE MAIN (PR) STORM SEWER (EXIST) STORM SEWER (PROP) TELEPHONE LINE (UGND) TELEPHONE LINE (OVERHEAD) TERRACE CROPLINE TRAVELED WAY WATER (EXIST)	- RR ROW + + + + + + + + + + + + + + + + + +
RAILROAD TRACKS RETAINING WALL SANITARY SEWER (EXIST) SANITARY SEWER (PROP) SAN SEWER FORCE MAIN (EX) SAN SEWER FORCE MAIN (PR) STORM SEWER (EXIST) STORM SEWER (PROP) TELEPHONE LINE (UGND) TELEPHONE LINE (OVERHEAD) TERRACE CROPLINE TRAVELED WAY WATER (EXIST) WATER (PROP)	- RR ROW + + + + + + + + + + + + + + + + + +
RAILROAD TRACKS RETAINING WALL SANITARY SEWER (EXIST) SANITARY SEWER (PROP) SAN SEWER FORCE MAIN (EX) SAN SEWER FORCE MAIN (PR) STORM SEWER (EXIST) STORM SEWER (PROP) TELEPHONE LINE (UGND) TELEPHONE LINE (OVERHEAD) TERRACE CROPLINE TRAVELED WAY WATER (EXIST)	- RR ROW + + + + + + + + + + + + + + + + + +

SWPPP

• • • • • • • • • • • • • • • • • • • •	
ITEM	SYMBOL
SILT FENCE	SF
INLET PROTECTION	
STRAW WATTLE CHECK	
STRAW BALE CHECK	
FLOW ARROW (PLAN)	-
AREA INLET FILTER PROTECTION	$\otimes \boxtimes$
RIP RAP	
SEEDING	* * * *
MATTING	

PAVING FEATURES

ITEM	SYMBOL
EXISTING PAVEMENT JOINT	
TRANSVERSE JOINT	
LONGITUDINAL JOINT	
EXPANSION/KEYED JOINT	
PAVEMENT MARKING	
PAVEMENT REBAR	
HANDICAP SYMBOL	Ė

UTILITIES

ITEM	SYMBOL
	OTIVIDOL
STORM SEWER	
CURB INLET	
GRATE INLET	
CATCH BASIN	(D)
STORM SEWER MANHOLE SANITARY	
CLEANOUT	
SEPTIC TANK	(S)
SANITARY MANHOLE	0
POWER, ELECTRICAL, LIGHT, AN	
AIR CONDITIONING UNIT	A
ANTENNA	<u> </u>
ANCHOR POLE/POST	0
GUY POLE	-0:
GUY WIRE ANCHOR	\rightarrow
ELECTRICAL HIGHLINE TOWER	====
(METAL OR CONCRETE) POWER POLE (EXISTING)	
POWER POLE (EXISTING) POWER POLE (PROPOSED)	<u> </u>
POWER (ELEC) PEDESTAL	P
POWER (ELEC) PULL BOX	
OR MANHOLE	(P)
POWER (ELEC) METER	Þ
LIGHT POLE	*
TRAFFIC SIGNAL	8
TRAFFIC SIGNAL BOX	SB
TELEVISION PEDESTAL	TV
TELEVISION MANHOLE	10
WATER	
WATER MANHOLE	<u> </u>
WATER VALVE WATER SHUT OFF OR	\bowtie
CURB STOP	\otimes
WELL	\Leftrightarrow
WATER METER	W
WATER METER PIT	WP
YARD HYDRANT	Α
WATER ELEVATION	<u></u>
WATER TOWER	
FIRE HYDRANT (EXISTING)	~~~
FIRE HYDRANT (PROPOSED)	*
FIRE HYDRANT IN PROFILE	<u> </u>
WATER FITTINGS	т
11- 1/4° 22- 1/2°	<u>I</u>
45°	<u>1</u>
90°	<u> </u>
CROSS	#
PLUG]
REDUCER	五
TEE	
GAS METER	[6]
GAS METER	<u>G</u>
GAS MANHOLE	<u> </u>
GAS FILL PIPE	
GAS PUMP	<u> </u>
GAS VALVE	 ∅
GAS VENT	
GAS VENT TELEPHONE	ובהו
GAS VENT TELEPHONE FIBER OPTICS PULL BOX	FO
GAS VENT TELEPHONE	ø
GAS VENT TELEPHONE FIBER OPTICS PULL BOX TELEPHONE POLE	
GAS VENT TELEPHONE FIBER OPTICS PULL BOX TELEPHONE POLE TELEPHONE PULL BOX OR	ø
GAS VENT TELEPHONE FIBER OPTICS PULL BOX TELEPHONE POLE TELEPHONE PULL BOX OR MANHOLE	ģ T
GAS VENT TELEPHONE FIBER OPTICS PULL BOX TELEPHONE POLE TELEPHONE PULL BOX OR MANHOLE TELEPHONE PEDESTAL	ø T

VEGETATION

ITEM	SYMBOL
BUSH	٥
CONIFEROUS TREE	W.W.
DECIDUOUS TREE	\odot
MARSH/WETLAND	عللد
TREE MASS LINE	. ~~~ .
TREE STUMP	<i>A</i>

SITE & SIGNAGE

ITEM SYME SIGN BARRICADE ROAD SIGNS COUNTY ROAD INTERSTATE HIGHWAY STATE HIGHWAY U.S. HIGHWAY MILE MARKER POST RIGHT OF WAY MARKER RAILROAD CROSSING SIGNAL	
BARRICADE ROAD SIGNS COUNTY ROAD INTERSTATE HIGHWAY STATE HIGHWAY U.S. HIGHWAY MILE MARKER POST RIGHT OF WAY MARKER	BOL
ROAD SIGNS COUNTY ROAD INTERSTATE HIGHWAY STATE HIGHWAY U.S. HIGHWAY MILE MARKER POST RIGHT OF WAY MARKER	-
COUNTY ROAD INTERSTATE HIGHWAY STATE HIGHWAY U.S. HIGHWAY MILE MARKER POST RIGHT OF WAY MARKER	- }-
INTERSTATE HIGHWAY STATE HIGHWAY U.S. HIGHWAY MILE MARKER POST RIGHT OF WAY MARKER	
STATE HIGHWAY U.S. HIGHWAY MILE MARKER POST RIGHT OF WAY MARKER	
U.S. HIGHWAY MILE MARKER POST RIGHT OF WAY MARKER)
MILE MARKER POST RIGHT OF WAY MARKER]
RIGHT OF WAY MARKER	3
]
RAILROAD CROSSING SIGNAL]
)
RAILROAD SWITCH	b .
FLAG POLE]
MAILBOX	
PROPANE TANK	\supset
SATELLITE TV DISH)
WINDMILL	

CONTROL & ELEVATION

CONTROL & ELEVATION			
ITEM	SYMBOL		
BENCHMARK	₩		
CONTROL POINT (NON-PROPERTY)	0		
MONUMENT FOUND (PROPERTY)	•		
MONUMENT SET	•		
TEMPORARY POINT	0		
TEST BORING	+		
POINT ELEVATION (EXISTING)	× 0.00		
POINT ELEVATION (PROPOSED)	+ 1000 00 TC 00 TC		
TOP OF PAVEMENT	TP		
TOP OF CURB	TC		
GROUND	GR		
TOP OF WALL	TW		
BOTTOM OF WALL	BW		
FLOWLINE	FL		
GRID TICK	+		
·			

MISC FEATURES

ITEM	SYMBOL
CENTER PIVOT	8
CEMETERY	T
GRAVE	G
CHURCH	Å
CAVE	(<u>©</u>)
CISTERN	G
LATRINE	Ŷ
OIL WELL	ð
GUARD POST	0

PAVEMENT SYMBOLS AND HATCH

ITEM	SYMBOL	HATCH
ASPHALT PAVEMENT (EX.)		
CONCRETE PAVEMENT (EX.)		, A , A , A
GRAVEL (EX.)		
BRICK PAVEMENT (EX.)		
ASPHALT PAVEMENT (PR.)		
CONCRETE PAVEMENT (PR.)		4 4 A
CONCRETE SIDEWALK (PR)		
GRAVEL (PR.)		
GRAVEL (PR.)		
BRICK PAVEMENT (PR.)		

GENERAL

OLINLIVAL					
ITEM	SYMBOL				
PLAN REVISION	\triangle				
NORTH ARROW	-7-				
GRAPHIC SCALE	GRAPHIC SCALE 0 10 20 40 HORIZ.= UNIT OF MEASURE IS FEET O 0 00 0 00 VERT.=				

ARCHITECTURAL MATERIALS

ITEM	SYMBOL	ITEM	SYMBOL	ITEM	SYMBOL
UNDISTURBED EARTH		CONCRETE BLOCK		LVL - GLU-LAM	
EARTH		METAL		GYPSUM BOARD (DBL LINE OMITTED AT SMALL SCALE)	
GRANULAR FILL		WOOD, FINISH	Z//))	INSULATION, BATT	WWWWW
SAND MORTAR, PLASTER		WOOD, FRAMING		GLASS - ELEVATION	#
CONCRETE		WOOD, FRAMING INTERRUPTED MEMBER		INSULATION, RIGID	
BRICK		PLYWOOD			

ARCHITECTURAL SYMBOLS

ITEM	SYMBOL	ITEM	SYMBOL
DATUM POINT	+	REFERENCED NOTE	4
EXISTING COLUMN LINE	A	ELEVATION	♦ XXX'-XX"
REFERENCED DEMOLITION NOTE	22	BUILDING SECTION	1 (A101) (A101)
REFERENCED PHOTOGRAPH TAG	07>		
COLUMN REFERENCE GRID LINES	B——	WALL SECTION	1 A101
ROOM NAME & NO.	OFFICE 101	DETAIL	X XX-X
DOOR NO.	(101)	INTERIOR	
WINDOW NO.	2	ELEVATION(S)	A101 A101
WALL TYPE	× -	ENLARGED DETAIL	1 A101
EQUIPMENT OR FIXTURE	TA-01	REVISION	3

2019 MILL CREEK BANK STABILIZATION LOUISVILLE, NEBRASKA

SYMBOLS SHEET

PRELIMINARY NOT FOR CONSTRUCTION 30% DATE: **TYAANIMIJBA9**

10/2/2019 FIELD CREW SURVEY FILE NO. SV-190576.00_Topo

C0.2

- The project shall be constructed within the limits of construction shown on the drawings.
 Any utilities shown on the plans are approximate locations only. Contractor shall be responsible for utility locates prior to construction.
 Contractor is responsible for any necessary traffic control, road closures,
- Contractor is responsible for any necessary traffic control, road closures, and additional permits.
 Contractor shall follow conditions of any and all permits. Contractor shall use good housekeeping practices and Best Management Practices as necessary to prevent sediment and other pollutants from entering the
- All disturbed areas shall be properly restored and seeded. Riprap shall be a mixture of 75% NDOT Type B and 25% Pit Run. Riprap can be mixed onsite.
 - a. No filter fabric is required under the riprap.
 - b. All riprap shall be covered above the Ordinary High Water mark with topsoil and seeded as shown on the drawings.
- 7. Seed mix shall be:
 - a. On streambank: Floodplain Mixture as supplied by United Seed, or
 - b. On overbank areas: Little Buckaroo Native Mixture as supplied by United Seed, or equivalent.
 - c. Seeding shall be applied per manufacturer recommendations
 - d. Seed tags shall be saved and supplied to the Corps of Engineers as per 404 Permit requirements.

QUANTITIES TABLE			
DESCRIPTION	QUANTITY		
EMBANKMENT	210		
EXCAVATION	400		
ROCK RIPRAP	980 TONS		
ROCK KEY	20 TONS		
*EARTHWORK DOES NOT HAVE COMPACTION FACTOR			



2019 MILL CREEK BANK STABILIZATION LOUISVILLE, NEBRASKA

GENERAL NOTES, QUANTITIES, & SPECIFICATIONS

PRELIMINARY NOT FOR \S CONSTRUCTION \sqsubseteq 30% DATE: 10/2/2019 PRELIMINARYT

190576.00 10/2/2019 GL FILE NAME S-190576.00.dwg FIELD BOOK SARPY CO. #1 FIELD CREW K. TAFT SURVEY FILE NO. SV-190576.00_Topo PLAN IN HAND INITIALS DATE 70 PERCENT REVIEW INITIALS DATE 5 PERCENT REVIEW INITIALS DATE REVISIONS



C_{0.4}

GRAPHIC SCALE

20 40 80

OF MEASURE IS FEET

S-18
FIELD GREW
S,
FIELD CREW
SU-190
SU-190
PLAN IN HAND
NITIALS
DATE
70 PERCENT REVE
70 PERCENT REVE
70 PERCENT REVE
70 PERCENT REVE

UNIT OF MEASURE IS FEET

Know what's below.
Call before you dig.

LEGEND

DESCRIPTION

BASELINE ALIGNMENT CURVE TAG LABEL

BASELINE ALIGNMENT LINE TAG LABEL

POINT OF CURVATURE OR TANGENCY

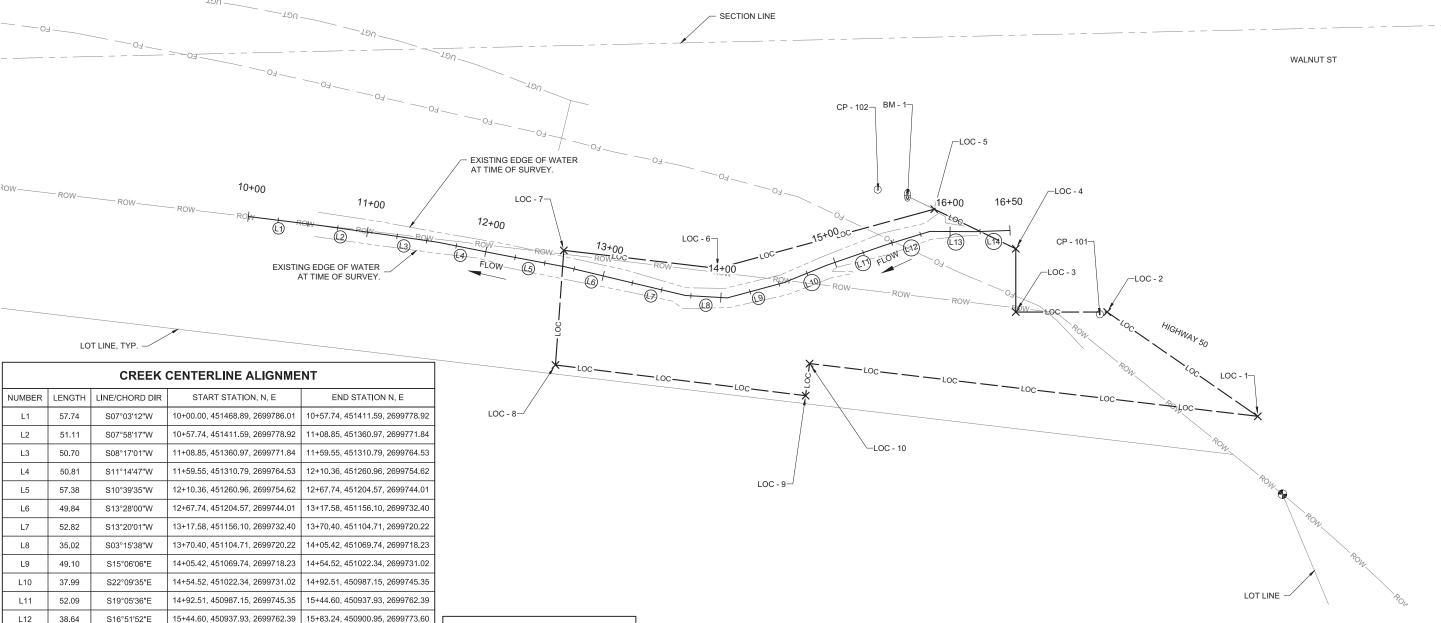
BASELINE ALIGNMENT (DESIGN)

BASELINE ALIGNMENT PI POINT

SYMBOL

(C1)

0+00



LIMITS OF CONSTRUCTION

EASTING

2699619.56

2699706.46

2699706.46

2699759.18

2699792.18

2699742.78

2699757.83

2699662.30

2699636.74

2699663.48

NORTHING

450627.80

450753.28

450829.42

450829.42

450897.39

451077.94

451206.05

451213.00

451004.55

451001.27

POINT#

LOC - 1

LOC - 2

LOC - 3

LOC - 4

LOC - 5

LOC - 6

LOC - 7

LOC - 8

LOC - 9

LOC - 10

L13

L14

POINT NAME

CP-101

CP-102

NAME

38.52

28.19

S00°17'46"W

S02°05'34"E

NORTHING EASTING

450759.36 2699704.55

450944.48 2699808.44

NORTHING EASTING

450920

15+83.24, 450900.95, 2699773.60

HORIZONTAL SURVEY CONTROL - NEBRASKA STATE PLANES

COORDINATE SYSTEM - NE83F

BENCHMARKS - **NAVD 88**

1226.40

16+21.76, 450862.43, 2699773.40

16+21.76, 450862.43, 2699773.40 | 16+49.94, 450834.27, 2699774.43

LONG DESCRIPTION

*CHANGE**(NE COR TRAFFIC LIGHT FOOTING

@ SW COR OF SOUTH B STREET AND 9TH AVE)

LONG DESCRIPTION



2019 MILL CREEK BANK STABILIZATION LOUISVILLE, NEBRASKA

EXISTING SITE PLAN

PRELIMINARYTO TO THE PROPERTY OF THE PROPERTY

PROJECT NO.

190576.00

DATE
10/2/2019

DRAWN BY
FILE NAME
S-190576.00.dwg
FIELD BOOK
SARPY CO. #1
FIELD CREW
K. TAFT
SURVEY FILE NO.
SV-190576.00_Topo
PLAN IN HAND.
DATE
90 PERCENT REVIEW
INTRIALS
DATE
90 PERCENT REVIEW
DATE
100 PERCENT REVIEW
D

C1.1







PRELIMINARYT NOT FOR CONSTRUCTION 30% DATE: 10/2/2019

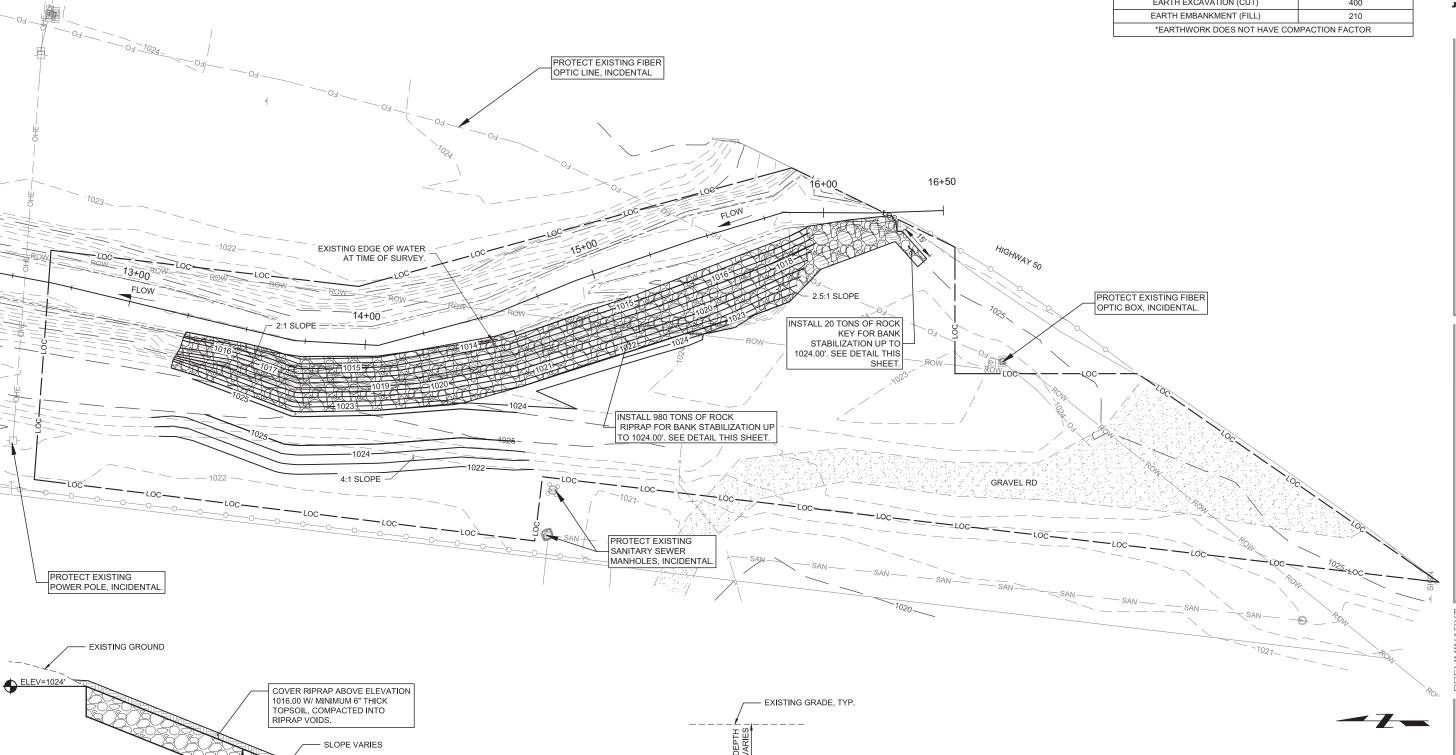
PRELIMINARY

GRAPHIC SCALE

UNIT OF MEASURE IS FEET

Know what's **below**. **Call** before you dig.

C2.1



5'-0"

ROCK KEY #) SCALE: N.T.S.

WATER SURFACE ELEV= ± 1013.5

EXISTING GROUND

TYPICAL BANK STABILIZATION SCALE: N.T.S.

