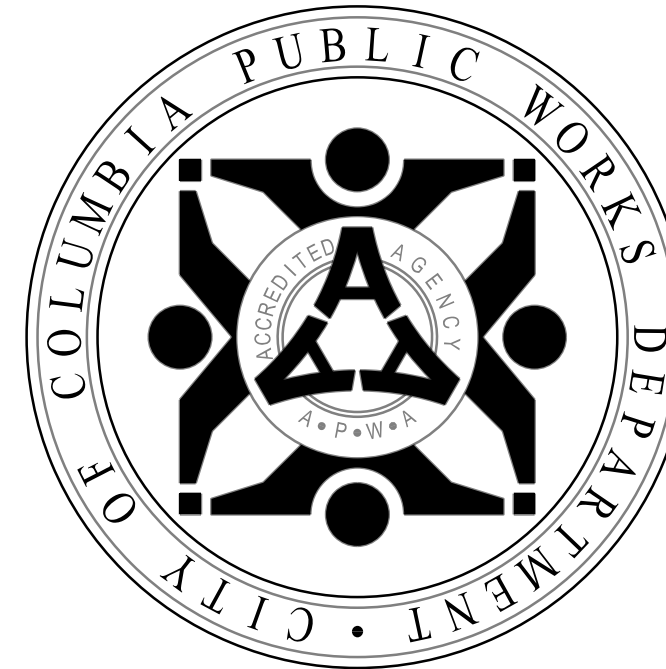


LOCATION MAP
(NOT TO SCALE)

City of Columbia, Missouri

Department of Public Works



ROUTE K & SINCLAIR RD.

ROUNDAABOUT

RFQ: XXXXX

BMCD PROJ. NO. 110855

PRELIMINARY PLANS (60%)
JANUARY 13TH, 2020

LEGEND OF SYMBOLS & ABBREVIATIONS

POWER POLE	UP
TELEPHONE POLE	●
GUY ANCHOR	→
GUY POLE	○
STREET LIGHT POLE	⊗
YARD LIGHT (SOLAR)	⊗
WATER METER	⊕
GAS METER	⊕
GAS VALVE	⊕
WATER VALVE	⊕
FIRE HYDRANT	⊕
PIPE BREAKRANT	⊕
SANITARY MANHOLE	○
SANITARY CLEANOUT	○
SANITARY LATERAL CLEANOUT	○
TRAVERSE POINT	△
MoDOT ROW MARKER	⊕
BENCHMARK	⊕
BORING LOCATION	⊕
SIGN	⊕
MAIL BOX	⊕
PROPERTY IRON	⊕
BUSH	⊕
STUMP	⊕
TREE REMOVAL	⊕
TREE	⊕
TREE LINE	⊕
SILT FENCE/TREE PROTECT	⊕
EXISTING PUBLIC SANITARY SEWER	SAN
EXISTING SANITARY SEWER LATERAL	LAT
EXISTING SANITARY SEWER TO BE ABANDONED	///
PROPOSED SEWER MAIN AND LATERALS	x
EXISTING FENCE	○
PROPOSED FENCE	○
CABLE TELEVISION	C
TELEPHONE	T
ELECTRIC	E
TELEPHONE OR ELECTRIC MANHOLE	T
WATER MAIN	W
GAS MAIN	G
FIBER OPTIC	FO
FLOW LINE	---
PROPERTY LINE	---
LOT LINE	---
EXISTING RIGHT OF WAY LINE	---
EXISTING EASEMENT	---
PERMANENT UTILITY EASEMENT	PGUE
PROPOSED SANITARY SEWER EASEMENT	PSSE
PROPOSED PERMANENT DRAINAGE EASEMENT	PDE
PROPOSED PERMANENT ROADWAY EASEMENT	P/E
TEMPORARY ACCESS EASEMENT	IAE
TEMPORARY CONSTRUCTION EASEMENT	TCE
GRADING LIMIT	GL
FLAT BOTTOM DITCH	5' F.B.D.
USE IN PLACE	UIP
ABANDONED IN PLACE	AIP
DO NOT DISTURB	DND

UTILITY COMPANIES:

AMEREN UE Chad Warren 876-3063 cwarren@ameren.com	CHARTER COMMUNICATIONS Adrell Miller 442-7044 ext 1020 573-219-0005 cell adrell.miller@charter.com	CPWSD #1 David Lee 449-0324 dlee@consh20.org
CENTURY LINK Tim Dishman 573-886-3505 tim.dishman@centurylink.com	SEWER (CITY) Lindsey Schaefer 441-5481 lindseyschaefer@como.gov	SHO-ME TECHNOLOGIES LLC Brad McGoon 417-830-6717 dmcgoon@shomepower.com
WATER David Mathon 874-7794 david.mathon@como.gov	BOONE COUNTY SEWER DISTRICT-BCSD Tom Ratermann 443-2765 tratermann@bcbsd.com	BOONE ELECTRIC Andrew Petri 441-7243 apetri@booneelectric.com
LIGHT Dan Clark 874-7794 dan.clark@como.gov	SOCKET TELECOM, LLC Matt Kohly 573-777-1991 ext 551 vmkohly@sockettelecom.com	Robert Welsh rwelsh@booneelectric.com
MEDIACOM Bob Boner 443-1536 ext 354 489-1937 cell bboner@mediacomcc.com		

DESIGN DATA:

Route K	Design Speed	55mph
	Functional Classification	Minor Arterial
	Construction Beginning Station	07+75.00
	Construction Ending Station	12+11.50
	Project Length	436.50 LF
Sinclair Road	Design Speed	45mph
	Functional Classification	Collector
	Construction Beginning Station	04+18.37
	Construction Ending Station	10+00.00
	Project Length	581.63 LF
Old Plank Road	Design Speed	45mph
	Functional Classification	Collector
	Construction Beginning Station	10+00.00
	Construction Ending Station	12+74.85
	Project Length	275.85 LF

TRAVERSE POINTS:

.Num	Northing	Easting	Elevation	Description
TP 1	1105949.4236	1674194.7534	597.86	PK Nail
TP 2	1106397.2637	1674141.4632	609.49	Drill Hole
TP 3	1106412.6600	1673877.3440	604.82	Drill Hole
TP 4	1105664.9405	1673855.3236	596.86	Drill Hole
TP 5	1105698.0645	1673904.6335	567.57	Chiseled Square

INDEX OF SHEETS	
Description	Sheet No.
Cover Sheet	1
Typical Section Sheet	2
Plan / Profile Sheets	3 - 8
Standard Details	9 - 11
Pavement Marking	12 - 14
Erosion Control Plan	15 - 21
Drainage Map	22 - 23
MOT Plans	24
Cross Section	25 - 30

City of Columbia, Missouri
 Department of Public Works

No.	Date	By	Revision

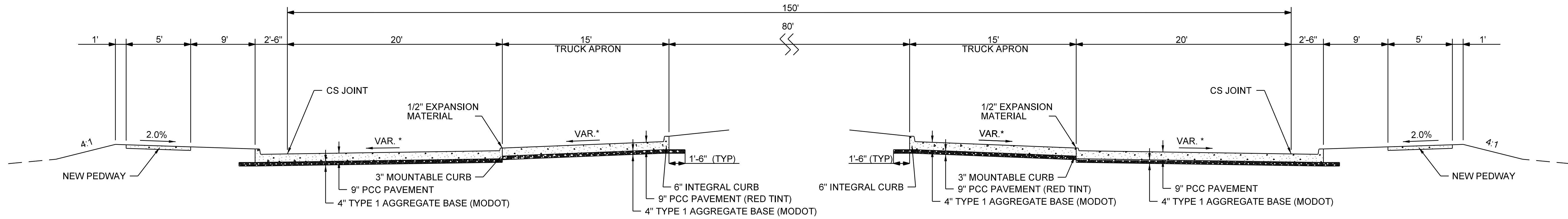
Scale: None
Date: 1/13/2020

Des.: JDD
Dwn.: NMF
Chk.: BV

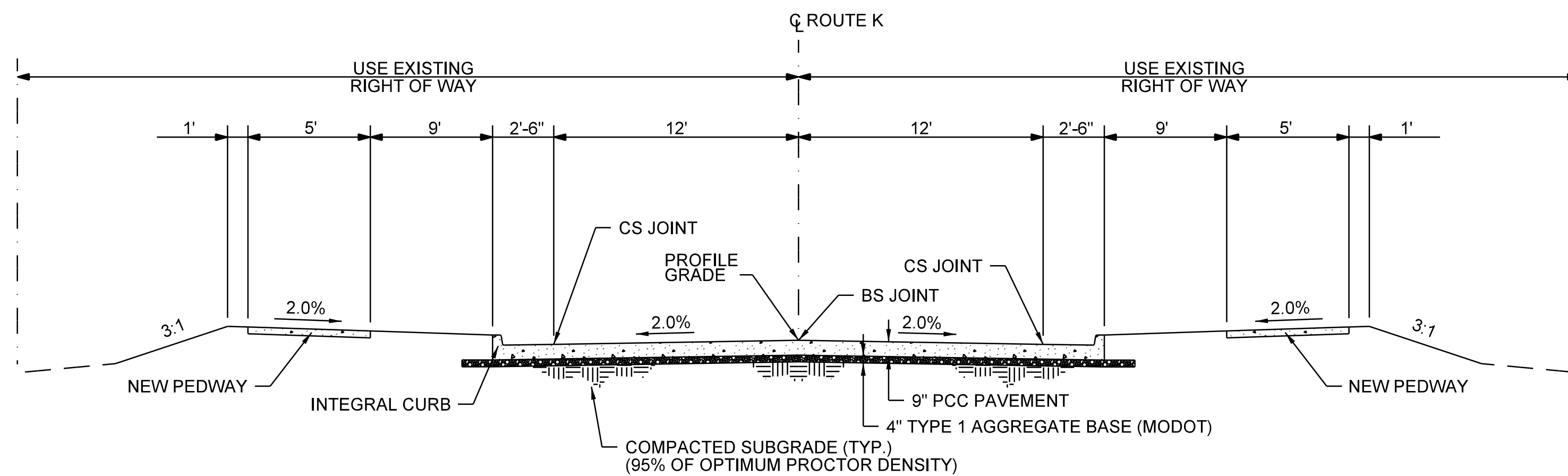
Sheet
1 of 30

SINCLAIR RD. & ROUTE K

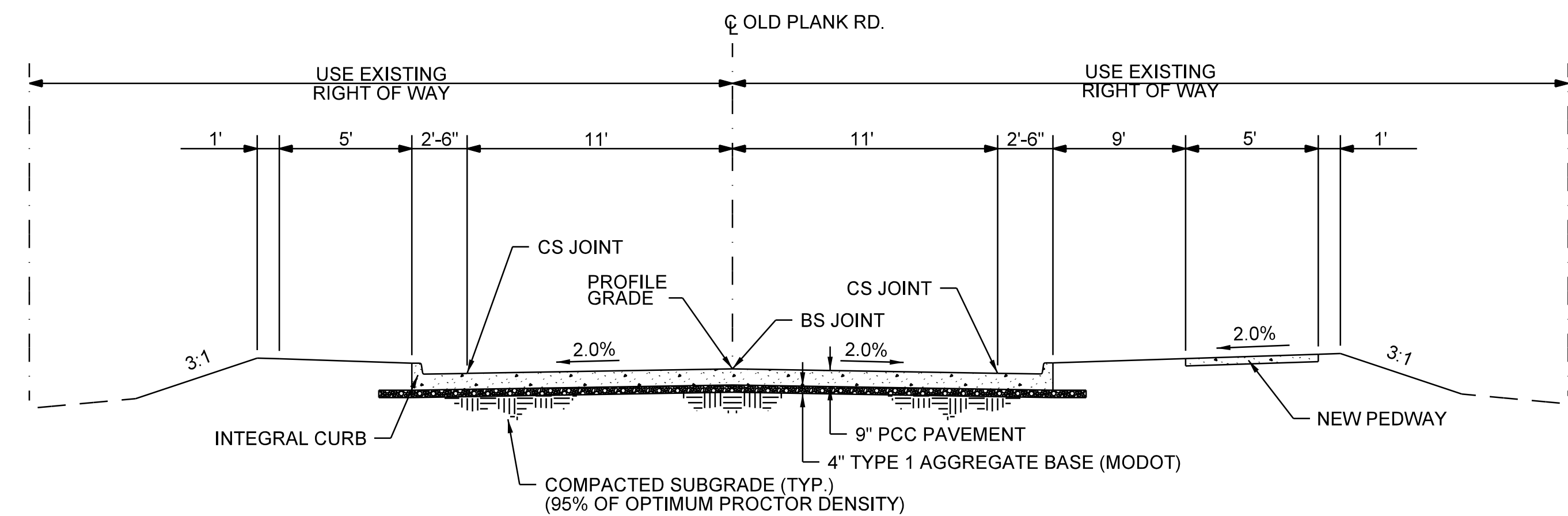
Approved By _____
 Director of Public Works _____ Date _____



SECTION THROUGH ROUNDABOUT
STA. 09+25.00 TO STA. 10+75.00

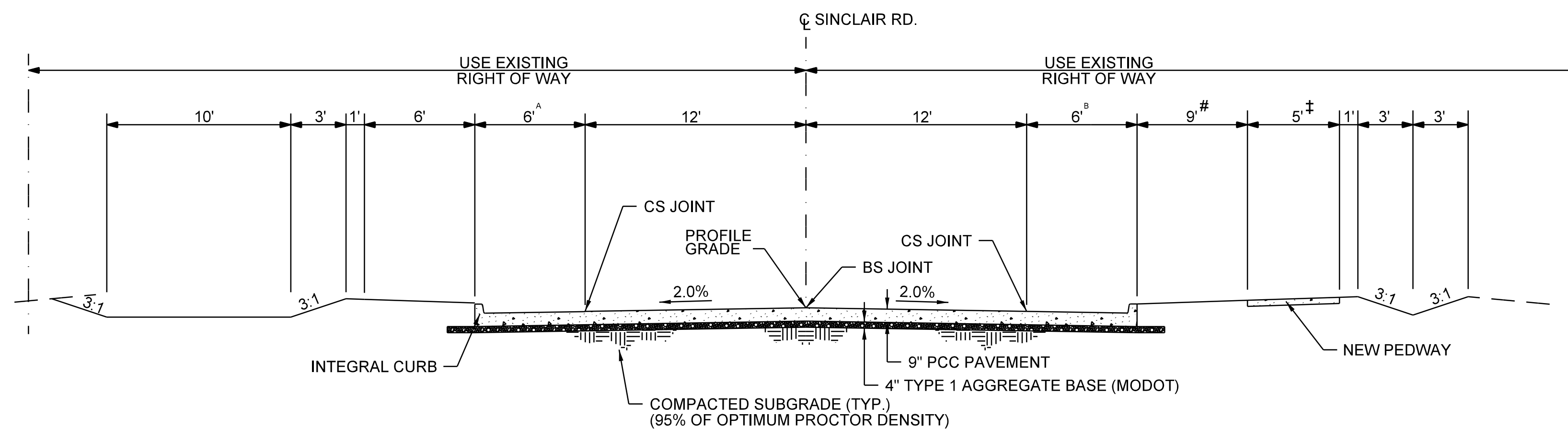


ROUTE K TYPICAL SECTION
 * STA. 07+75.00 TO STA. 9+25.00
 STA. 10+75.00 TO STA. 12+11.50



OLD PLANK RD. TYPICAL SECTION
 * STA. 10+75.00 TO STA. 12+83.42

* Stations range from beginning of construction to edge of roundabout pavement. See plan sheets for splitter island locations and geometry.



SINCLAIR RD. TYPICAL SECTION
 * STA. 04+18.37 TO STA. 09+25.00

‡ 6' BETWEEN STA. 4+18.37 TO 6+13.37

0' BETWEEN STA. 4+18.37 TO 5+20.48
 VARIES 0' TO 9' BETWEEN STA. 5+20.48 TO 6+29.51

A VARIES 0' TO 6' BETWEEN STA. 4+26.95 TO 4+89.12
 B VARIES 0' TO 6' BETWEEN STA. 4+26.95 TO 4+84.92

Revision	
By	
Date	
No.	

SINCLAIR & ROUTE K
ROUNDABOUT

City of Columbia, Missouri
 Department of Public Works

BURNS
MEDONNELL

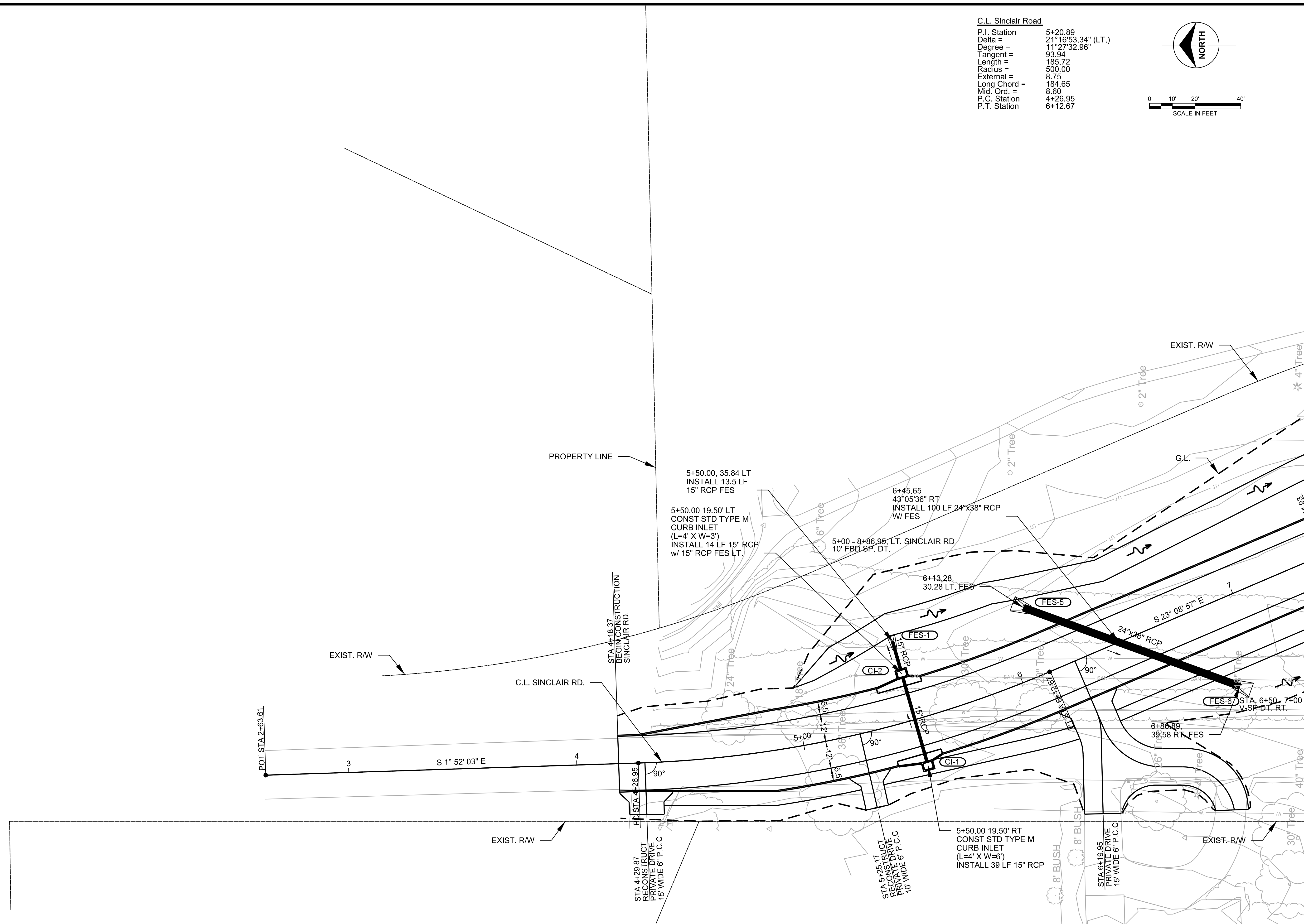
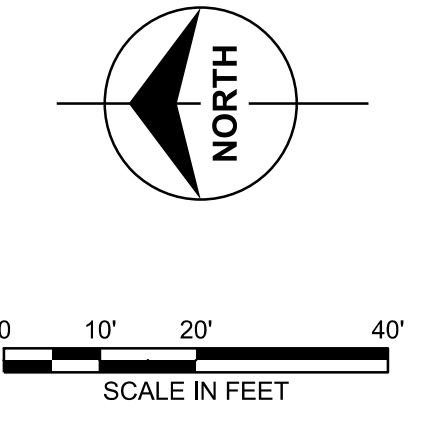
[DAVID A. HURT]
 Registered Professional
 Engineer - MO
 [E-28555]

File No.	XX-XX-XX
Scale:	As Shown
Date:	1/13/2020
Des.	JDD
Dwn.	NMF
Chk.	BV

Sheet

2 of 3

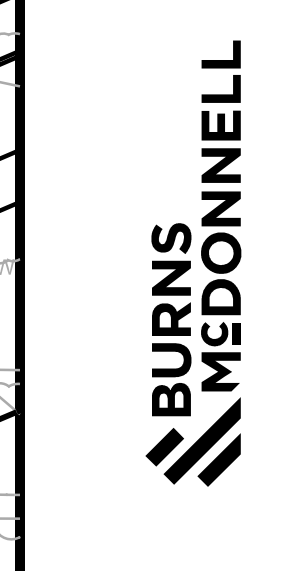
C.L. Sinclair Road
 P.I. Station 5+20.89
 Delta = 21°16'53.34" (LT.)
 Degree = 11°27'32.96"
 Tangent = 93.94
 Length = 185.72
 Radius = 500.00
 External = 8.75
 Long Chord = 184.65
 Mid. Ord. = 8.60
 P.C. Station 4+26.95
 P.T. Station 6+12.67



No.	Date	By	Revision

SINCLAIR & ROUTE K ROUNDABOUT

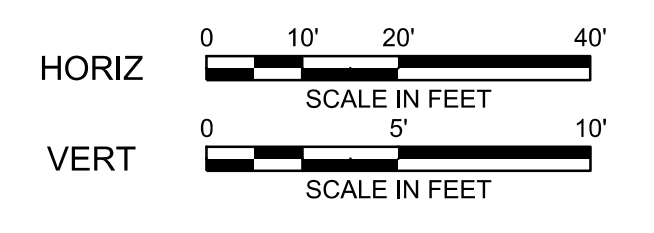
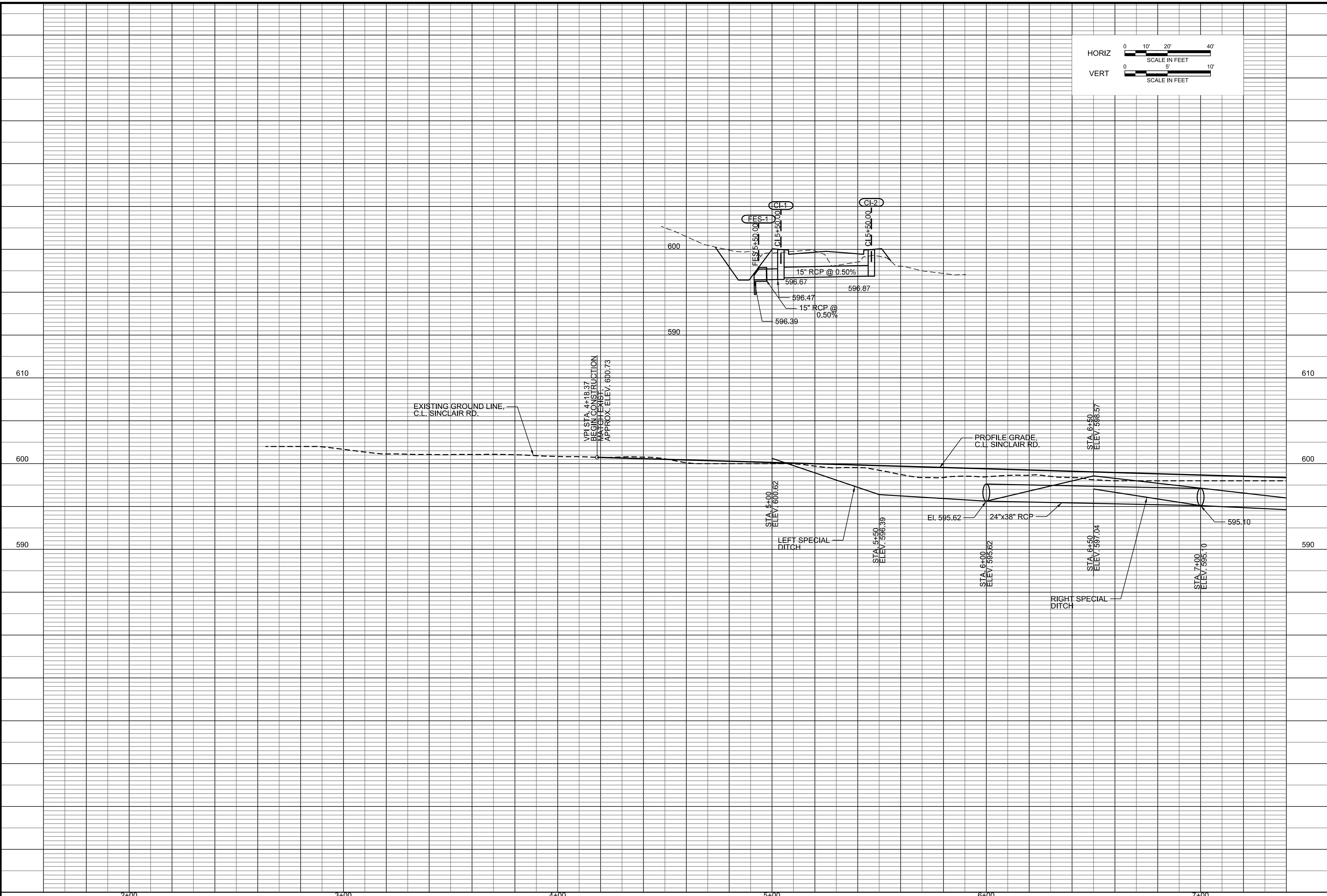
City of Columbia, Missouri
 Department of Public Works



[DAVID A. HURT]
 Registered Professional Engineer - MO
 [E-28555]

File No. XX-XX-XX
 Scale: As Shown
 Date: 1/13/2020
 Des. JDD
 Dwn. NMF
 Chk. BV

1/13/2020

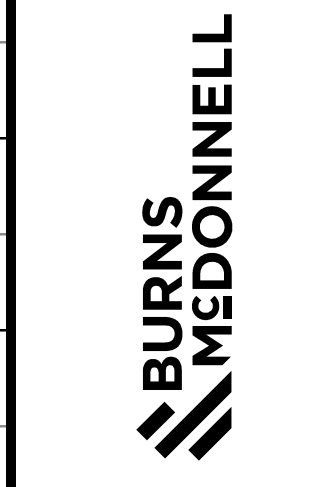


No.	Date	By	Revision

SINCLAIR & ROUTE K ROUNDABOUT

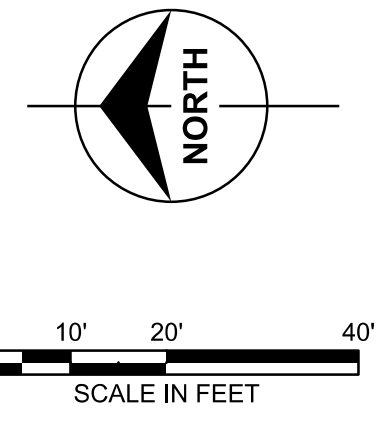
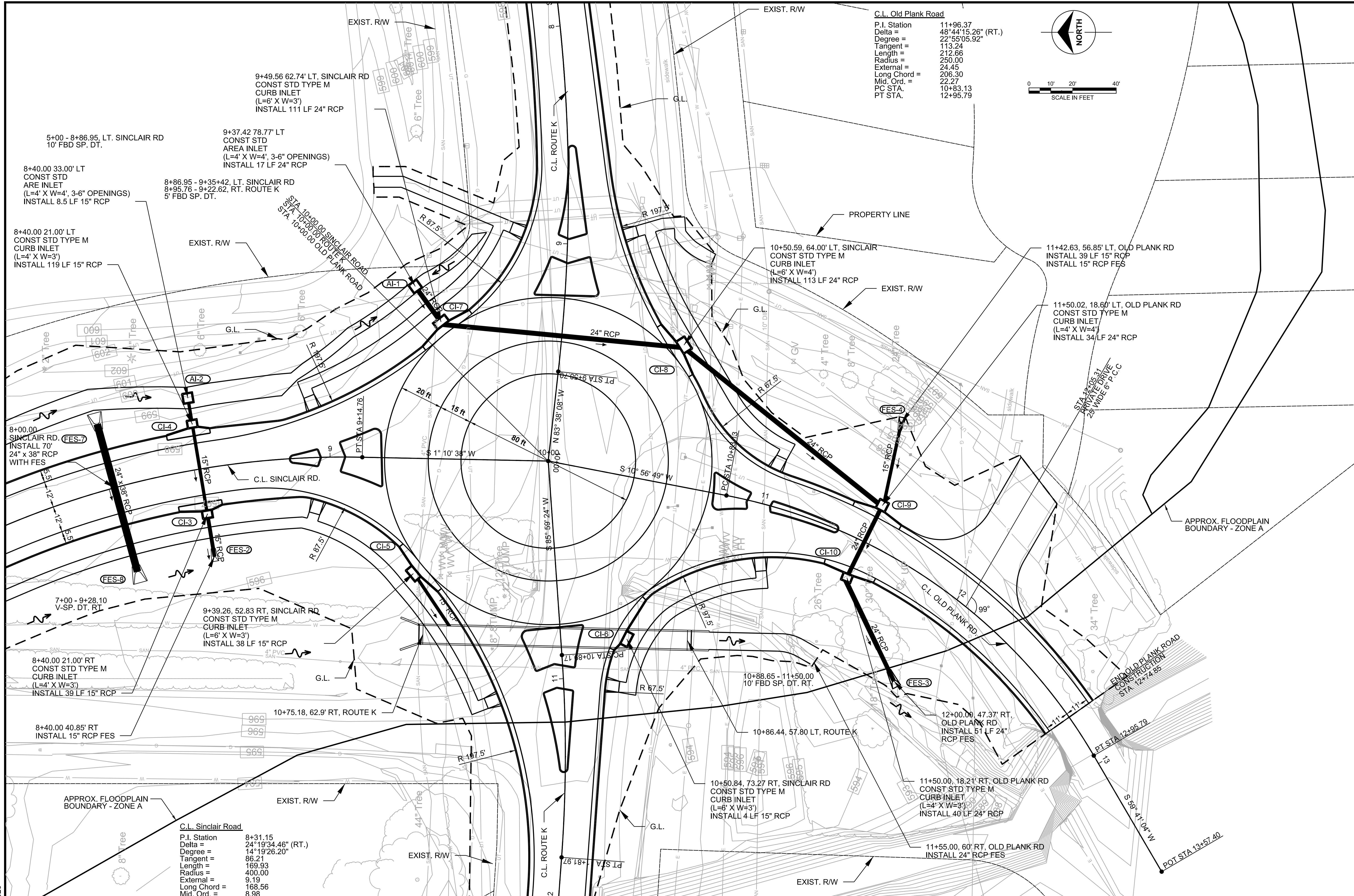
Profile Sheet

City of Columbia, Missouri
Department of Public Works



[DAVID A. HURT]
Registered Professional Engineer - MO
[E-28555]

File No. XX-XX-XX
Scale: As Shown
Date: 1/13/2020
Des. JDD
Dwn. NMF
Chk. BV



No.	Date	By	Revision

SINCLAIR & ROUTE K ROUNDABOUT

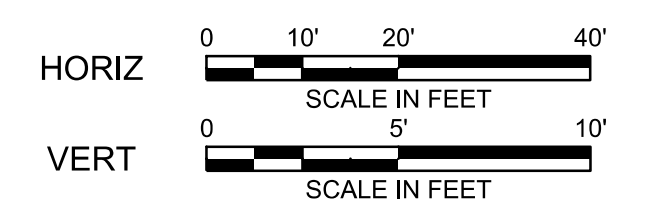
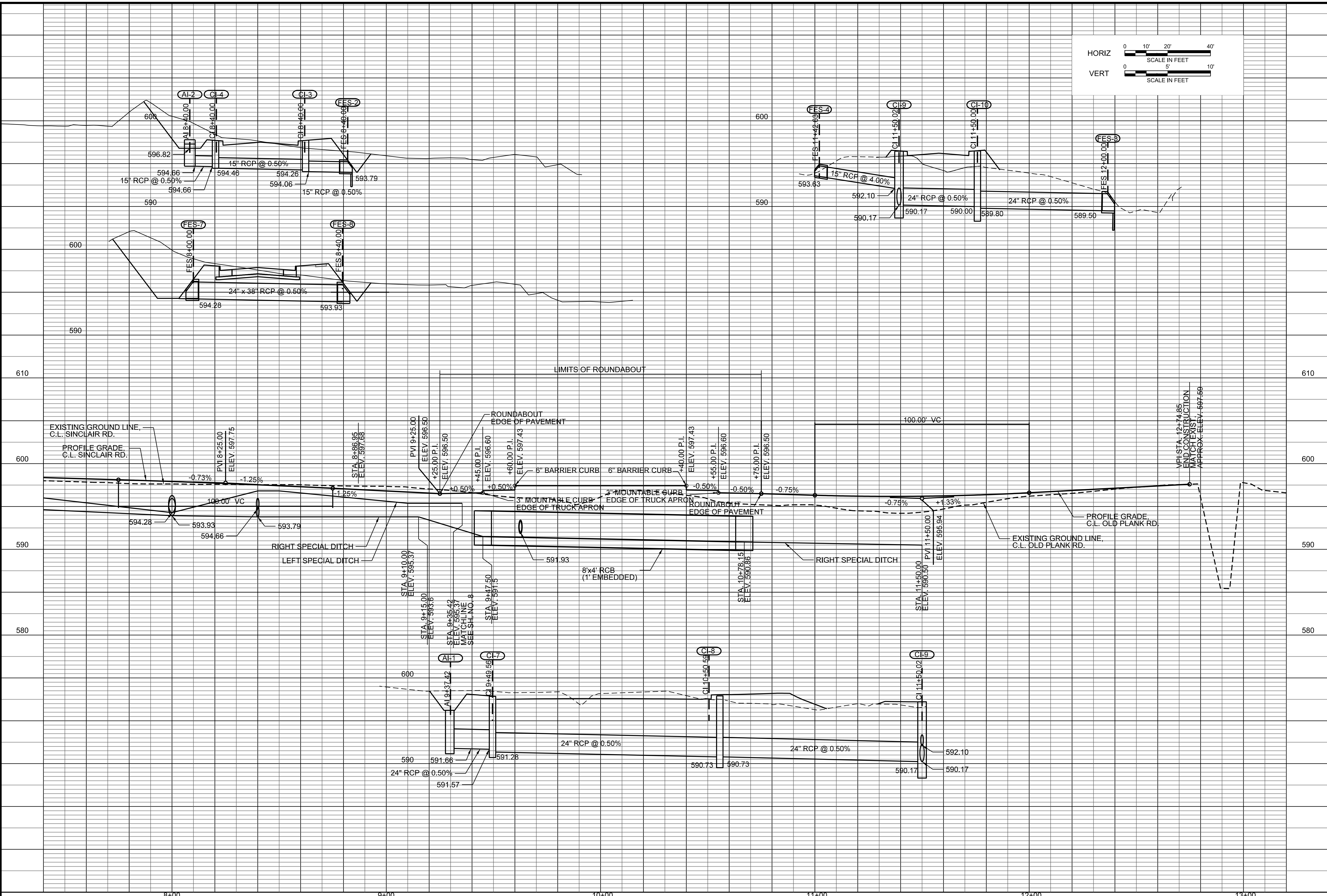
City of Columbia, Missouri
Department of Public Works



[DAVID A. HURT]
Registered Professional Engineer - MO
[E-28555]

File No. XX-XX-XX
Scale: As Shown
Date: 1/13/2020
Des. JDD
Dwn. NMF
Chk. BV

1/13/2020

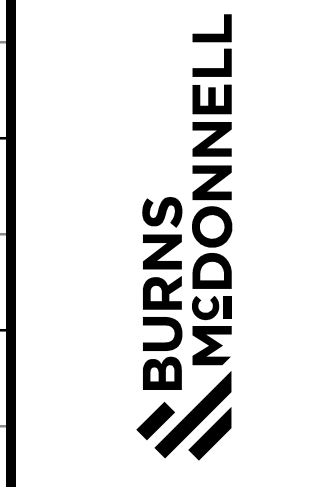


No.	Date	By	Revision

SINCLAIR & ROUTE K ROUNDABOUT

Profile Sheet

City of Columbia, Missouri
Department of Public Works

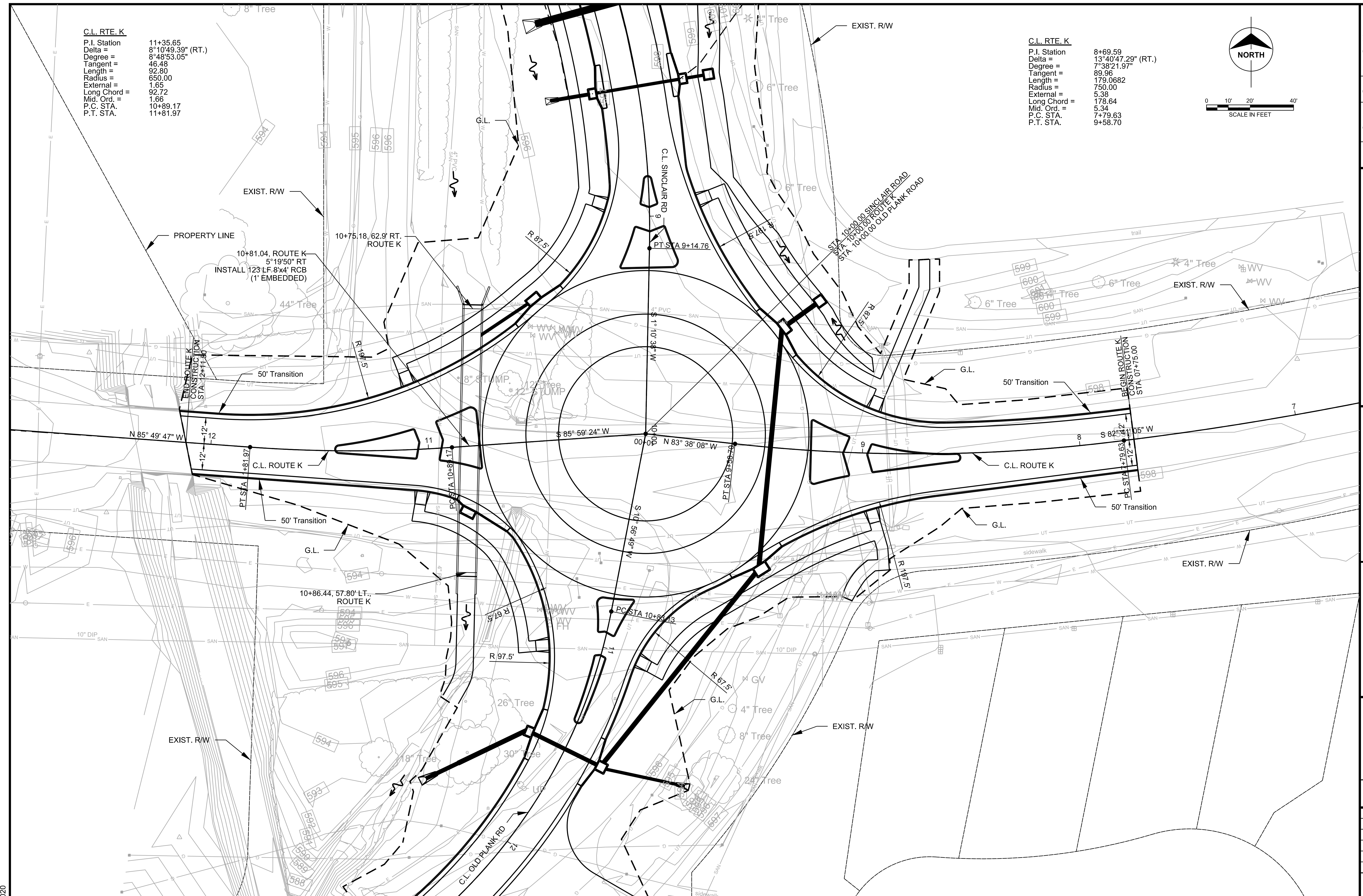
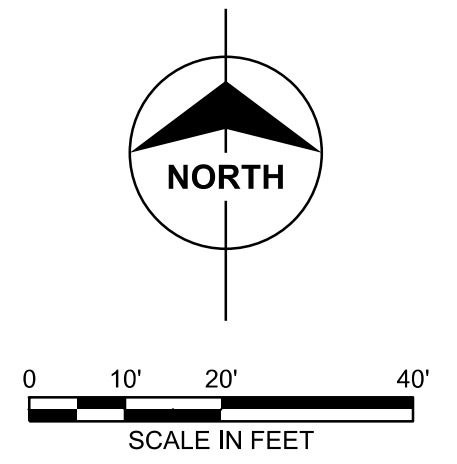


[DAVID A. HURT]
Registered Professional Engineer - MO
[E-28555]

File No. XX-XX-XX
Scale: As Shown
Date: 1/13/2020
Des. JDD
Dwn. NMF
Chk. BV

C.L. RTE. K
 P.I. Station 11+35.65
 Delta = $8^{\circ}10'49.39"$ (RT.)
 Degree = $8^{\circ}48'53.05"$
 Tangent = 46.48
 Length = 92.80
 Radius = 650.00
 External = 1.65
 Long Chord = 92.72
 Mid. Ord. = 1.66
 P.C. STA. 10+89.17
 P.T. STA. 11+81.97

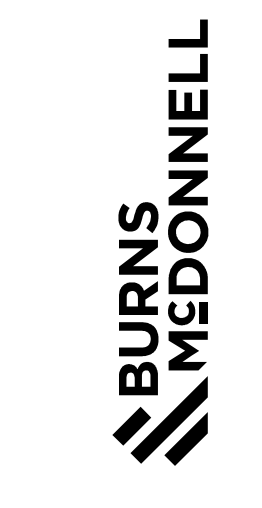
C.L. RTE. K
 P.I. Station 8+69.59
 Delta = $13^{\circ}40'47.29"$ (RT.)
 Degree = $7^{\circ}38'21.97"$
 Tangent = 89.96
 Length = 179.0682
 Radius = 750.00
 External = 5.38
 Long Chord = 178.64
 Mid. Ord. = 5.34
 P.C. STA. 7+79.63
 P.T. STA. 9+58.70



No.	Date	By	Revision

SINCLAIR & ROUTE K ROUNDABOUT

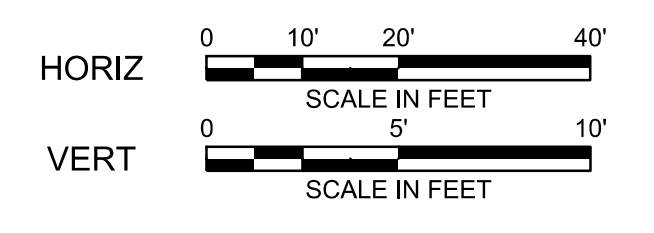
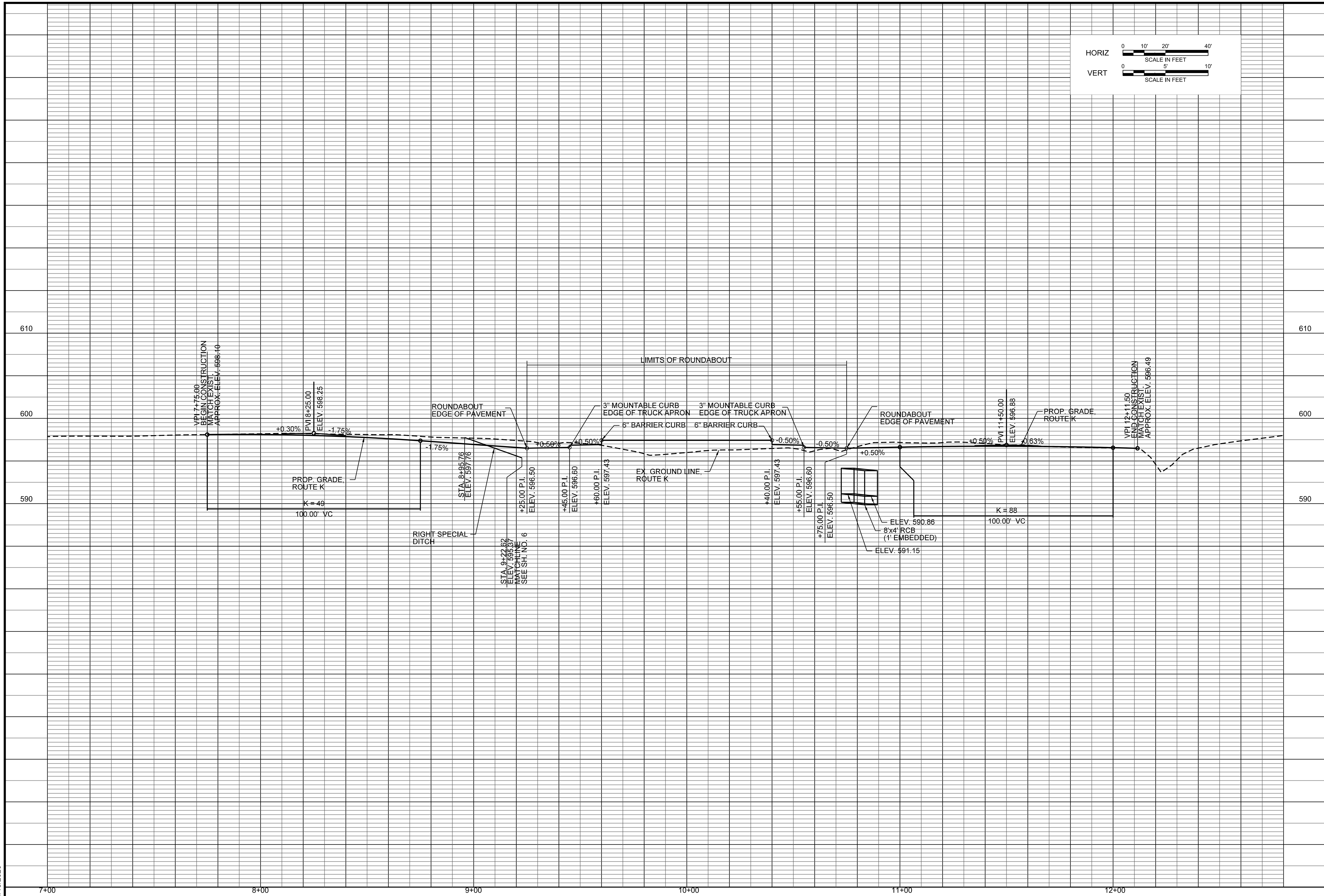
City of Columbia, Missouri
 Department of Public Works



(DAVID A. HURT)
 Registered Professional
 Engineer - MO
 (E-28555)

File No. XX-XX-XX
 Scale: As Shown
 Date: 1/13/2020
 Des. JDD
 Dwn. NMF
 Chk. BV

1/13/2020

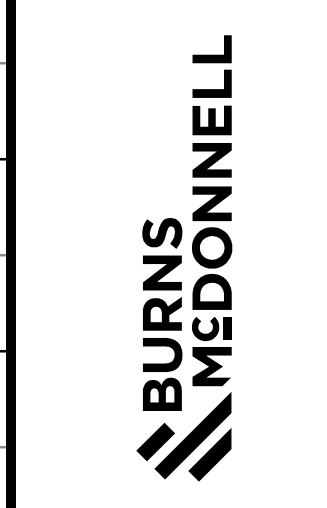


No.	Date	By	Revision

SINCLAIR & ROUTE K ROUNDABOUT

Profile Sheet

City of Columbia, Missouri
Department of Public Works



[DAVID A. HURT]
Registered Professional Engineer - MO
[E-28555]

File No. XX-XX-XX
Scale: As Shown
Date: 1/13/2020
Des. JDD
Dwn. NMF
Chk. BV