52-400-01-16-02-0-00-000
ORR STREET LOFTS, LLC

STA. 105+02.59
END CURBED
CONCRETE MEDIAN.
CONTINUE TYPICAL
SECTION 10 WITHOUT
CURBED CONCRETE
MEDIAN.

PROPOSED
UTILITY
EASEMENT

50' RADIUS
STA. 104+98.74
85.00' LT.

EXISTING
R.O.W.

PROPOSED
TRAFFIC
SIGNAL POLE

DOUGLAS STREET

CONSTRUCT
MEDIAN
TRANSITION
ISLAND.

1
C-295

CENTERLINE OF
COLBERN EAST
ALIGNMENT

NW COLBERN ROAD

3.5' RADIUS
STA. 105+06.09
7.50' LT.

1576.28'
S88°00'37"E

COLBERN EAST STA. 105+90.42 =
DOUGLAS STREET STA. 134+16.09

115' RADIUS
STA. 107+52.82
150' RT.

PROPOSED R.O.W.

52-400-04-02-00-0-00-000
STAYTON DOROTHY &
HOWARD-TRUSTEE

EXISTING
R.O.W.

PROPOSED
UTILITY
EASEMENT

INSTALL 355 LF OF
WOVEN WIRE FENCE.
SEE MoDOT STANDARD
PLAN No. 607.20G.

PROPOSED T.C.E.

PROPOSED DRAINAGE
EASEMENT

PROPOSED
TRAFFIC
SIGNAL POLE

INSTALL 90 LF
OF CHAIN LINK
FENCE. SEE
MoDOT
STANDARD
PLAN No.
607.10V.

CONSTRUCT
CONCRETE
MEDIAN STRIP
PER MoDOT
STANDARD
PLAN No.
608.30a

STA. 105+49.35
END TYPICAL SECTION 10.
MILL INTERSECTION AS
REQUIRED TO MAINTAIN
MINIMUM 2" ASPHALT
OVERLAY.

PROPOSED
TRAFFIC
SIGNAL POLE

50' RADIUS
STA. 106+69.64
96.00' LT.

EXISTING
UTILITY
EASEMENT

STA. 106+69.64
BEGIN TYPICAL SECTION 11.

A CONSTRUCT A.D.A. SIDEWALK RAMP
(TYPE A) WITH DETECTABLE WARNING
DEVICE WITH ADJACENT TURNING SPACE

1
C-272

M CONSTRUCT A.D.A. SIDEWALK RAMP
(TYPE M) WITH DETECTABLE WARNING
DEVICE

1
C-273

STA. 108+52.86
END TYPICAL SECTION 11.
BEGIN TRANSITION TO
TYPICAL SECTION 12.

52-400-01-15-01-0-00-000
CITY OF LEE'S SUMMIT

100' TAPER

STA. 109+52.86
END TRANSITION. BEGIN
TYPICAL SECTION 12.

EXISTING
R.O.W.

NE COLBERN ROAD

CENTERLINE OF
COLBERN EAST
ALIGNMENT

EXISTING
R.O.W.

PROPOSED
TRAFFIC
SIGNAL POLE

115' RADIUS
STA. 107+52.82
150' RT.

EXISTING
UTILITY

PROPOSED
R.O.W.

50' SHARED-USE PATH
TAPER

PROPOSED
UTILITY
EASEMENT

52-400-04-01-00-0-00-000
CITY OF LEE'S SUMMIT

PROPOSED
TRAFFIC
SIGNAL POLE

0' 10' 20' 40' 60'
(IN FEET)

N

180.00' VC
G1 = 4.56%
G2 = 1.65%
K = 61.95
e=-0.65'

PVT 104+05.00
ELEV. 977.16

PVC 104+15.00
ELEV. 977.61

4.56%

PVI 105+05.00
ELEV. 981.72

PVT 105+95.00
ELEV. 983.21

EXISTING GRADE AT
C.L. CONSTRUCTION

PROFILE GRADE

	104+00	105+00	106+00	107+00	108+00	109+00
EXISTING GRADE ELEVATION AT PROPOSED C.L.	976.93	980.91	983.2	983.9	983.4	981.4
PROPOSED GRADE ELEVATION AT PROPOSED C.L.		980.9				

990 985 980 975 970 965

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STATE OF MISSOURI
ZACH T. MOODY
NUMBER PE-2026044309
12/02/2022

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

REV.	DATE	DESCRIPTION	BY

CITY OF LEE'S SUMMIT
LEE'S SUMMIT, MISSOURI
F.A.P. STP-3301 (527)

COLBERN ROAD RECONSTRUCTION

COLBERN ROAD PLAN AND PROFILE SHEET

JOB NO.: 17177041
DATE: DEC. 2022
DESIGNED BY: ZTM
DRAWN BY: TWM

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
C-220

bernsonmelc 12/2/2022 8:53:32 AM
WORKSPACE:Garver_2012
L:\2017\17177041 - Colbern Road Reconstruction\Drawings\COR_C220_PP.dgn

52-400-01-15-01-0-00-000
CITY OF LEE'S SUMMIT

EXISTING DRAINAGE/UTILITY EASEMENT

300.18' TAPER

2 C-286 STA. 113+90.00 TO 114+30.00 CONSTRUCT SIDWALK WITH INTEGRAL RETAINING WALL

45' MEDIAN TAPER

100' TAPER

EXISTING R.O.W.

NE COLBERN ROAD

CENTERLINE OF COLBERN EAST ALIGNMENT

CURVE NO. 5

STA. 113+00.44 END TYPICAL SECTION 12. BEGIN TYPICAL SECTION 13.

+53.04: 13.20' LT. E.O.P. F.G.=971.31

+07.91: 7.76' LT. E.O.P. F.G.=971.05

6.5' RADIUS STA. 113+08.92 0.88' RT.

+33.99: 14.09' LT. E.O.P. F.G.=972.22

+02.50: 6.25' RT. E.O.P. F.G.=970.50

+46.20: 8.75' RT. E.O.P. F.G.=970.54

+02.50: 31.26' RT. E.O.P. F.G.=969.71

+46.20: 30.75' RT. E.O.P. F.G.=969.83

1576.28' S88°00'37"E

PI STA. 111+52.64

EXISTING R.O.W.

STA. 109+52.86 END TRANSITION. BEGIN TYPICAL SECTION 12.

PROPOSED R.O.W.

52-400-04-01-00-0-00-000
CITY OF LEE'S SUMMIT

INSTALL 83-FT. SPAN TUBULAR SUPPORT STEEL TYPE S OVERHEAD SIGN STRUCTURE PER MODOT STANDARD DRAWINGS 903.06K. SEE PAVEMENT MARKING AND SIGNAGE PLAN.

STA 110+60.00 RT. CONSTRUCT 20' WIDE CONCRETE RESIDENTIAL DRIVEWAY TO BACK OF SIDEWALK THEN PROCEED WITH GRAVEL TO EASEMENT, THEN PROCEED WITH GRASS TO TIE IN.

52-400-04-01-00-0-00-000
CITY OF LEE'S SUMMIT

EXISTING DRAINAGE/UTILITY EASEMENT

PROPOSED DRAINAGE EASEMENT

88.35' SHARED-USE PATH TAPER

STA. 113+02.50 BEGIN 43.70' RIGHT CROSS SLOPE TRANSITION FROM -3.15% TO -3.24%.

STA. 113+46.20 END RIGHT CROSS SLOPE TRANSITION. BEGIN 140.49' CROSS SLOPE TRANSITION FROM -3.24% TO -5.10%

ABANDON MANHOLE BY REMOVING TOP 3 FEET OF MANHOLE AND FILLING WITH #67 STONE. CONTRACTOR SHALL VERIFY WITH OWNER THAT SEWER LINE HAS BEEN ABANDONED BEFORE ABANDONING MANHOLE.

PROPOSED UTILITY EASEMENT

50' SHARED-USE PATH TAPER

800' TAPER

CURVE NO. 5
PI STA. 111+52.64
N = 1012301.2138
E = 2824221.5711
Delta = 1°27'23.44" LT.

0' 10' 20' 40' 60'
(IN FEET)

EXISTING GRADE AT C.L. CONSTRUCTION

EXISTING GRADE ELEVATION AT PROPOSED C.L.

978.0 974.1 971.7 970.8 971.3

985 980 975 970 965 960

109+00 110+00 111+00 112+00 113+00 114+00

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ZACH T. MOORE
NUMBER PE-2021044309
12/02/2022

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

REV.	DATE	DESCRIPTION	BY

CITY OF LEE'S SUMMIT
LEE'S SUMMIT, MISSOURI
F.A.P. STP-3301(527)

COLBERN ROAD RECONSTRUCTION

COLBERN ROAD PLAN AND PROFILE SHEET

JOB NO.: 17177041
DATE: DEC. 2022
DESIGNED BY: ZTM
DRAWN BY: TWM

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
C-221

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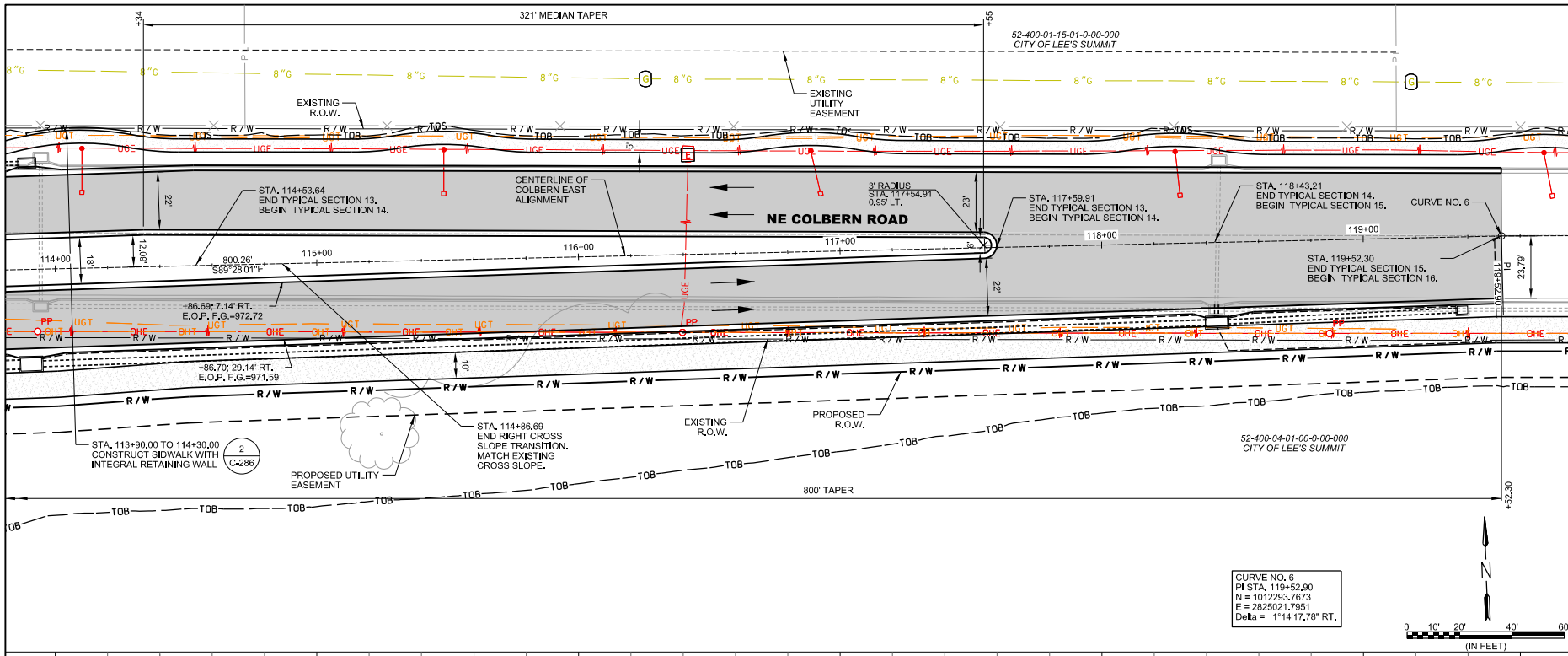
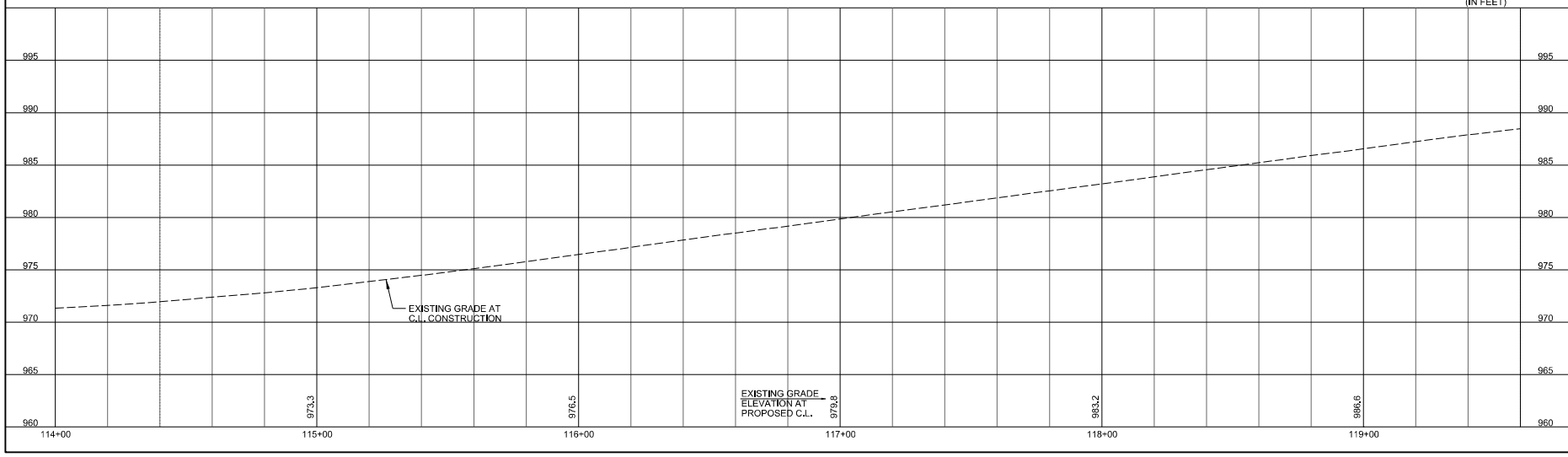
WORKSPACE:Garver_2013
L:\2017\17177041 - Colbern Road Reconstruction\Drawings\COR_C221_PP.dgn





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ZACH T. MOOSE
NUMBER
PE-2002044309
12/02/2022

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REV.	DATE	DESCRIPTION	BY

CITY OF LEE'S SUMMIT
LEE'S SUMMIT, MISSOURI
F.A.P. STP-3301(527)

COLBERN ROAD RECONSTRUCTION

COLBERN ROAD PLAN AND PROFILE SHEET

JOB NO.: 17177041
DATE: DEC. 2022
DESIGNED BY: ZTM
DRAWN BY: TWM

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0 1"
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DRAWING NUMBER
C-222

bernsonmelc 12/5/2022 8:19:23 AM
WORKSPACE:Garver_2012
L:\2017\17177041 - Colbern Road Reconstruction\Drawings\COR_C222_PP.dgn

CURVE NO. 6
PI STA. 119+52.90
N = 1012293.7673
E = 2825021.7951
Delta = 1°14'17.78" RT.

52-500-02-12-02-0-00-000
CITY OF LEE'S SUMMIT

52-500-02-21-00-0-00-000
CENTURION ACQUISITIONS LLC

EXISTING UTILITY EASEMENT

A CONSTRUCT A.D.A. SIDEWALK RAMP (TYPE A) WITHOUT DETECTABLE WARNING DEVICE (1 / C-272)

STA 122+14.08 CONSTRUCT 18' WIDE CONCRETE RESIDENTIAL DRIVEWAY TO R.O.W.

EXISTING SIDEWALK EASEMENT

INSTALL 12 L.F OF 24" CURB AND GUTTER (TYPE CG-1)

34' SIDEWALK TAPER FROM 5' GREENSPACE TO NONE

EXISTING R.O.W.

CENTERLINE OF COLBERN EAST ALIGNMENT

INSTALL 10 L.F. OF 24" CURB AND GUTTER (TYPE CG-1)

STA. 124+12.57 LT. END PROPOSED SIDEWALK WHERE EXISTING SIDEWALK BEGINS

CURVE NO. 6

119+00 120+00 121+00 122+00 123+00 124+00

647.10'
S88°13'43"E

STA. 119+52.30
END TYPICAL SECTION 15.
BEGIN TYPICAL SECTION 16.

NE COLBERN ROAD

EXISTING UTILITY EASEMENT

PROPOSED R.O.W.

PROPOSED UTILITY EASEMENT

EXISTING R.O.W.

52-530-01-03-00-0-00-000
CITY OF LEE'S SUMMIT

STA. 122+60.00 TO 125+35.00 LT. CONSTRUCT M.S.E. RETAINING WALL. SEE M.S.E. WALL PLAN SHEETS.

1-3 / C-281 STA. 122+60.00 TO 125+35.00 LT. INSTALL 275 L.F. OF HANDRAIL BEHIND RETAINING WALL.

0' 10' 20' 40' 60'
(IN FEET)

EXISTING GRADE AT C.L. CONSTRUCTION

EXISTING GRADE ELEVATION AT PROPOSED C.L.

989.6 992.0 993.8 996.0 997.4

1005 1000 995 990 985 980 975 970

119+00 120+00 121+00 122+00 123+00 124+00

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ZACH T. MOORE
NUMBER PE-2021044309
12/02/2022

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REV.	DATE	DESCRIPTION	BY

CITY OF LEE'S SUMMIT
LEE'S SUMMIT, MISSOURI
F.A.P. STP-3301 (527)

COLBERN ROAD RECONSTRUCTION

COLBERN ROAD PLAN AND PROFILE SHEET

JOB NO.: 17177041
DATE: DEC. 2022
DESIGNED BY: ZTM
DRAWN BY: TWM

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
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DRAWING NUMBER
C-223

bernsonmelc 12/5/2022 8:21:28 AM
WORKSPACE-Garver_2012
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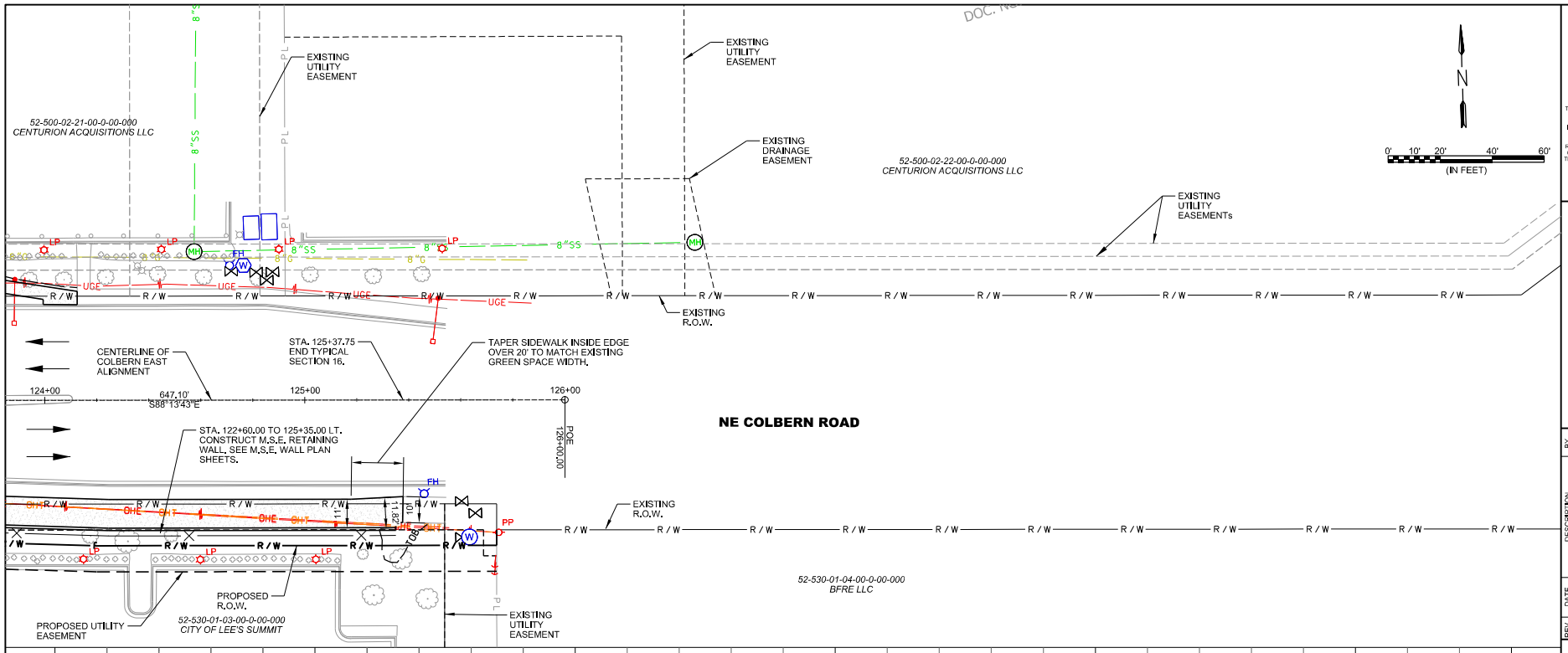

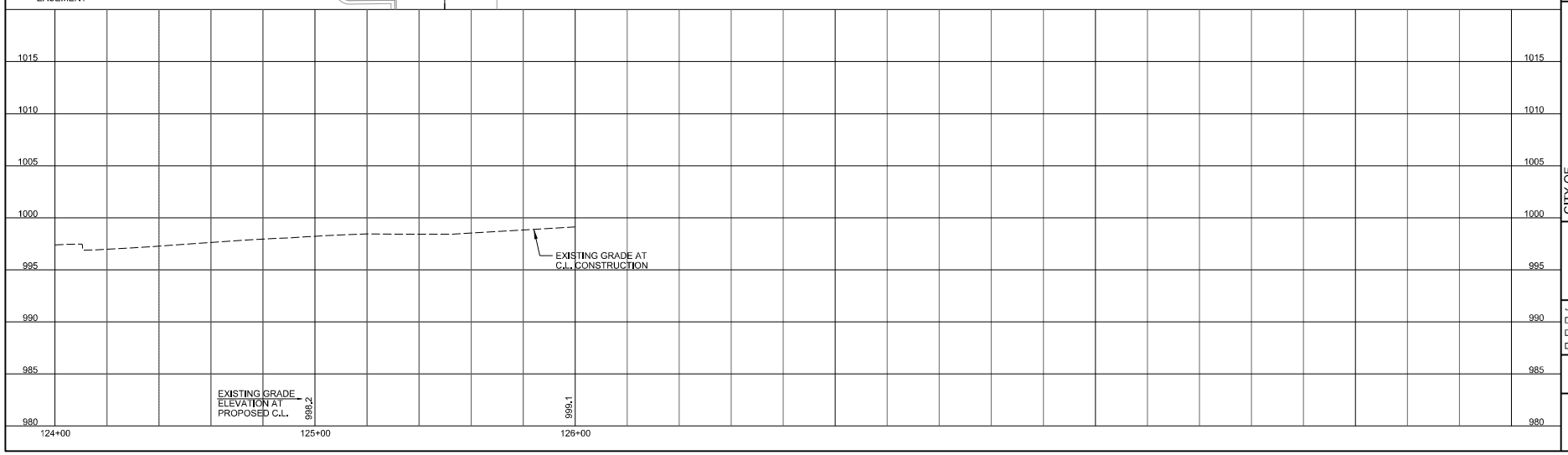

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STATE OF MISSOURI
ZACH T. MOORE
NUMBER: PE-2021044309
12/02/2022

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LEE'S SUMMIT, MISSOURI
F.A.P. STP-3301 (527)

COLBERN ROAD RECONSTRUCTION

COLBERN ROAD PLAN AND PROFILE SHEET

JOB NO.: 17177041
DATE: DEC. 2022
DESIGNED BY: ZTM
DRAWN BY: TWM

BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
C-224

bernsonmelc 12/5/2022 8:23:16 AM
WORKSPACE:Garver_2012
L:\2017\17177041 - Colbern Road Reconstruction\Drawings\COR_C224_PP.dgn