Index Of Sheets

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CITY OF FRANKLIN	YEAR	SHEET NO.
	2021	1
FED. AID PROJ. NO.	STP-M-NH-6(110)	
STATE PROJ. NO.	94LPLM-F2-078	

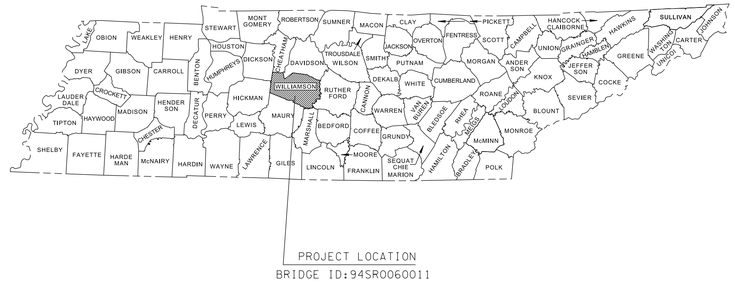
LOCALLY MANAGED PROJECT
LOCALLY LET PROJECT

CITY OF FRANKLIN
WILLIAMSON COUNTY, TENNESSEE

COLUMBIA AVENUE (S.R. 6/U.S. 31) WIDENING AND IMPROVEMENTS

FROM SR-397 (MACK HATCHER PARKWAY)
TO DOWNS BOULEVARD

RIGHT - OF - WAY



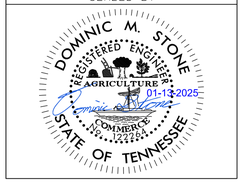


N

NO EXCLUSIONS
NO EQUATIONS

R.O.W.
PLANS

SEALED BY



94LPLM-F2-078
BEGIN PROJECT NO. STP-M-NH-6(110) R.O.W.
STA. 7+85.95
N 567555.7715 E 1708739.1847

94LPLM-F2-078
END PROJECT NO. STP-M-NH-6(110) R.O.W.
STA. 80+68.73
N 574783.9882 E 1709624.8984

APPROVED: _____
MAYOR

DATE: _____

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE OWNER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO FOLLOW THE GUIDELINES AS SET FORTH BY THE LOCAL GOVERNMENT GUIDELINES FOR THE MANAGEMENT OF FEDERAL AND STATE FUNDED TRANSPORTATION PROJECTS MANUAL, SEVENTH EDITION, DATED MARCH 15, 2019.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2015 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

R.O.W. LENGTH 1.379 MILES
PROJECT LENGTH 1.379 MILES

SURVEY 12-15-2016	TRAFFIC DATA	
UPDATED 6-1-2018	ADT (2019)	19,603
UPDATED 1-28-2019	ADT (2044)	26,803
	DHV (2044)	2,381
	D	52 - 48
	T (ADT)	7 %
	T (DHV)	4 %
	V (DESIGN)	40 MPH

DESIGNER : Dominic Stone, P.E.

PIN : 121454.00

BARGE DESIGN SOLUTIONS
615 3rd Avenue South // Suite 700 // Nashville, Tennessee 37210
PHONE (615) 254-1500 // FAX (615) 255-6572

1/13/2025
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	1A

REV. 07-29-2024
ADDED SHEET 3C TO ACQUISITION SHEET INDEX. RENUMBERED PROPERTY MAP SHEET INDEX.

SHEET NO. DESCRIPTION

1 ..... TITLE SHEET
1B ..... PROJECT COMMITMENTS
2B-2B10 ..... TYPICAL SECTIONS
2B11 ..... PAVEMENT SCHEDULE
2E-2E4..... TABULATED QUANTITIES
3 ..... RIGHT-OF-WAY NOTES, UTILITY NOTES, & UTILITY OWNERS
3A-3C ..... RIGHT-OF-WAY ACQUISITION TABLES
3D-3F ..... PROPERTY MAPS
4-10 ..... PRESENT LAYOUTS
4A-10A ..... RIGHT OF WAY DETAILS
4B-10B ..... PROPOSED LAYOUTS
4C-9C..... PROPOSED PROFILES & DRAINAGE LEFT
4D-9D..... PROPOSED PROFILES & DRAINAGE RIGHT
11-15 ..... SIDEROAD PROFILES
16-19 ..... PRIVATE DRIVE PROFILES
20-21 ..... DRAINAGE MAPS
22 ..... CULVERT SECTIONS
23 ..... EROSION PREVENTION AND SEDIMENT CONTROL NOTES
24-26F ..... EROSION PREVENTION AND SEDIMENT CONTROL PLANS
27-33 ..... SIGNING AND PAVEMENT MARKING SHEETS
34-36 ..... SIGN SCHEDULE SHEETS
37-117 ..... CROSS SECTIONS
T-1 ..... PAVEMENT EDGE DROP OFF NOTES
T-2 ..... TRAFFIC CONTROL NOTES, LEGEND, AND TABULATION
T-3 - T-5F ..... TRAFFIC CONTROL PLANS
S1 - S20 ..... SIGNAL PLANS
U1-01 ..... UTILITIES INDEX AND ESTIMATED QUANTITIES
U1-02 ..... UTILITY GENERAL NOTES
U1-03 - U1-08 ..... UTILITIES - PLAN - WATER
U1-09 - U1-16 ..... UTILITIES - PROFILE - WATER
U1-17 - U1-22 ..... UTILITIES - PLAN - RECLAIMED WATER
U1-23 - U1-28 ..... UTILITIES - PROFILE - RECLAIMED WATER
U1-29 - U1-34 ..... UTILITIES - PLAN - GAS
U1-35 - U1-41 ..... UTILITIES - PROFILE - GAS
U1-42 - U1-47 ..... UTILITIES - PLAN - SEWER
U1-48 ..... UTILITIES - PROFILE - SANITARY SEWER

R.O.W.

PLANS

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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	1B

PROJECT COMMITMENTS

COMMITMENT ID	SOURCE DIVISION	DESCRIPTION	STA. / LOCATION
	ENVIRONMENTAL DIVISION: ARCHAEOLOGY	CONSTRUCTION CONTRACTORS MUST AVOID ALL EARTHMOVING AND GROUND DISTURBING ACTIVITIES, INCLUDING STAGING OF HEAVY EQUIPMENT, EXCAVATION OF BORROW MATERIALS, AND VEGETATION REMOVAL BELOW THE NATURAL GROUN DSURFACEIN THE AREAS DESIGNATED "SENSITIVE ENVIRONMENTAL AREA" ON SHEETS 4 AND 4B.	STA. 12+38.65 TO STA. 13+96.33 / RIGHT

R.O.W.

PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROJECT COMMITMENTS

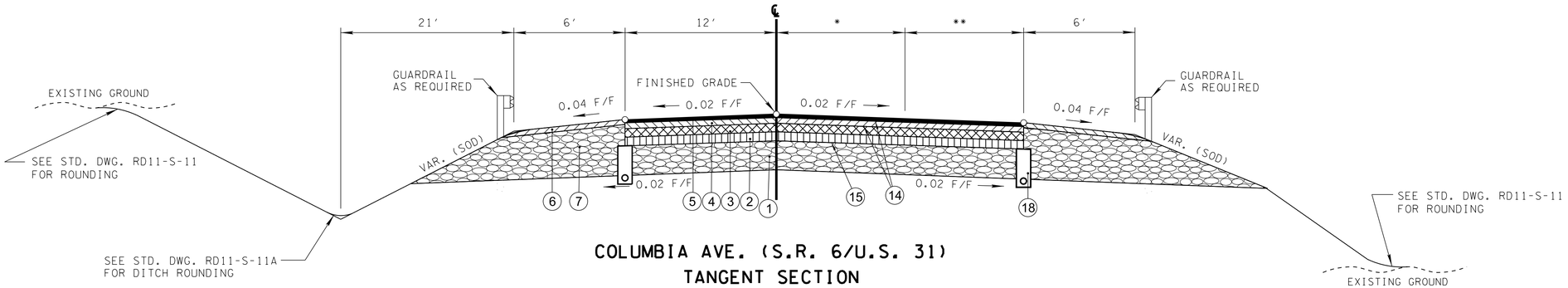
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	2B

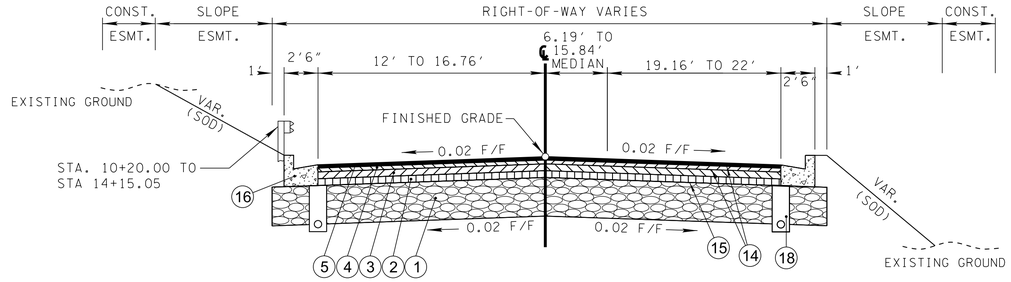


COLUMBIA AVE. (S.R. 6/U.S. 31)
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-3)

STA. 7+85.95 TO STA. 10+21.17

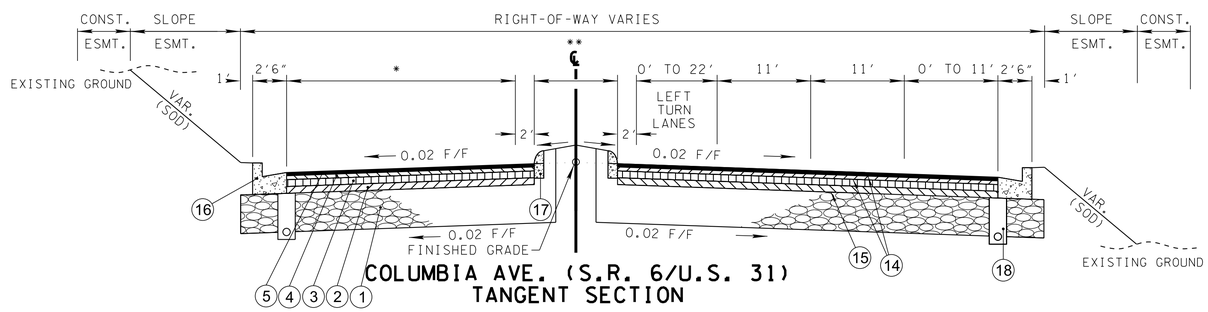
* 0′ TO 6.19′ STA. 8+60.28 TO STA. 10+21.28 RT, STA. 10+21.12 LT
** 12.29′ TO 19.16′ STA. 7+85.95 TO STA. 10+21.17



COLUMBIA AVE. (S.R. 6/U.S. 31)
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

STA. 10+21.28 RT, STA. 10+21.12 LT TO STA. 11+63.35



COLUMBIA AVE. (S.R. 6/U.S. 31)
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

STA. 11+63.35 TO STA. 13+37.31

* 16.73′ TO 22′ STA. 11+63.35 TO STA. 13+24.55
22′ STA. 13+24.55 TO STA. 13+37.31

** 15.84′ TO 2′

R.O.W.

PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TYPICAL SECTIONS

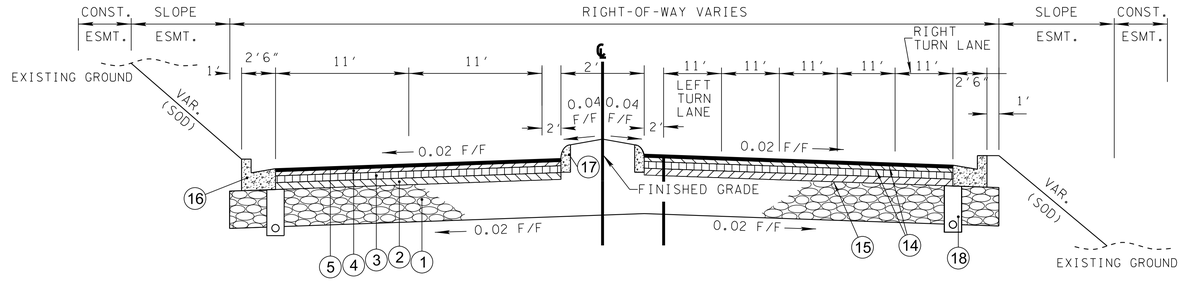
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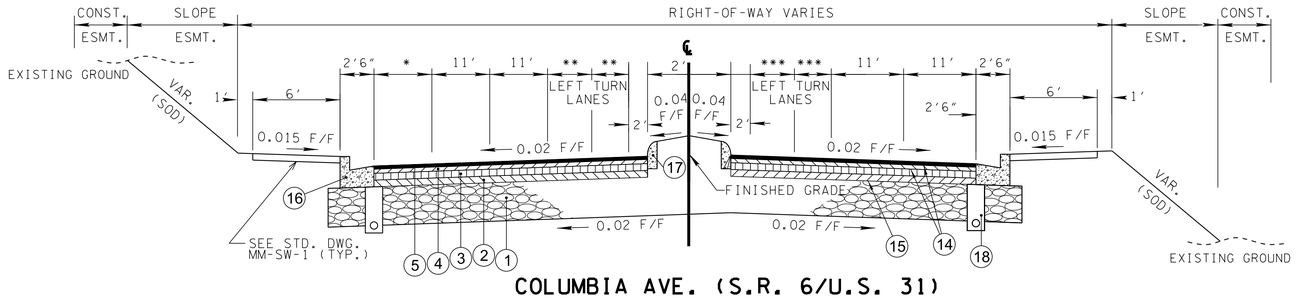
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	2B1



COLUMBIA AVE. (S.R. 6/U.S. 31)
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

STA. 13+37.31 TO STA. 15+45.16



COLUMBIA AVE. (S.R. 6/U.S. 31)
TANGENT SECTION

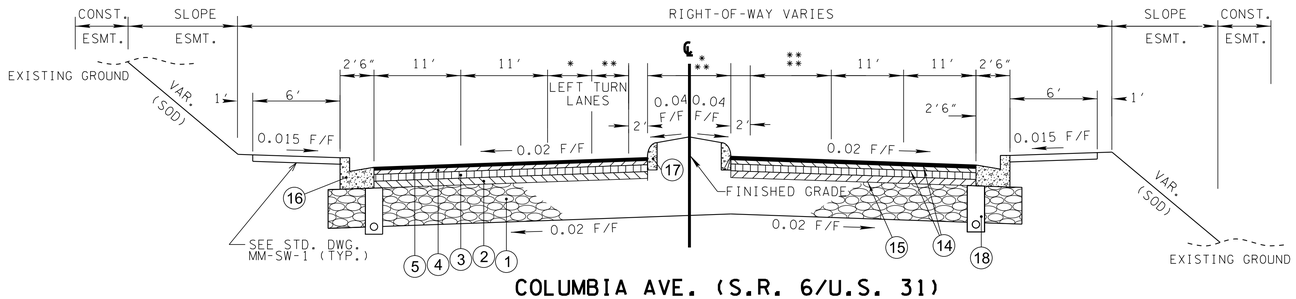
(BASED ON STD. DWG. RD11-TS-6A)

STA. 15+45.16 TO STA. 22+98.48

* 11′ STA. 15+45.16 TO STA. 21+14.76
11′ TO 0′ STA. 21+14.76 TO STA. 21+65.19
0′ STA. 21+65.19 TO STA. 22+98.48

** 11′ STA. 15+45.16 TO STA. 19+65.65
11′ TO 0′ STA. 19+65.65 TO STA. 22+91.33
0′ STA. 20+91.33 TO STA. 22+98.48

*** 0′ STA. 15+45.16 TO STA. 19+65.65
0′ TO 11′ STA. 19+65.65 TO STA. 22+91.33
11′ STA. 20+91.33 TO STA. 22+98.48



COLUMBIA AVE. (S.R. 6/U.S. 31)
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

STA. 22+98.48 TO STA. 28+52.24

* 6.77′ STA. 22+98.48 TO STA. 24+55.13
6.77′ TO 0′ STA. 24+55.13 TO STA. 24+91.12
0′ STA. 24+91.12 TO STA. 28+52.24

** 12′ STA. 22+98.48 TO STA. 24+91.12
12′ TO 0′ STA. 24+91.12 TO STA. 25+56.02
0′ STA. 25+56.02 TO STA. 28+52.24

** VARIES - SEE PROPOSED LAYOUT FOR ADDITIONAL DETAILS

** 12′ STA. 22+98.48 TO STA. 24+56.72
12′ TO 0′ STA. 24+56.72 TO STA. 25+27.95
0′ STA. 25+27.95 TO STA. 28+52.24

R.O.W.

PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TYPICAL SECTIONS

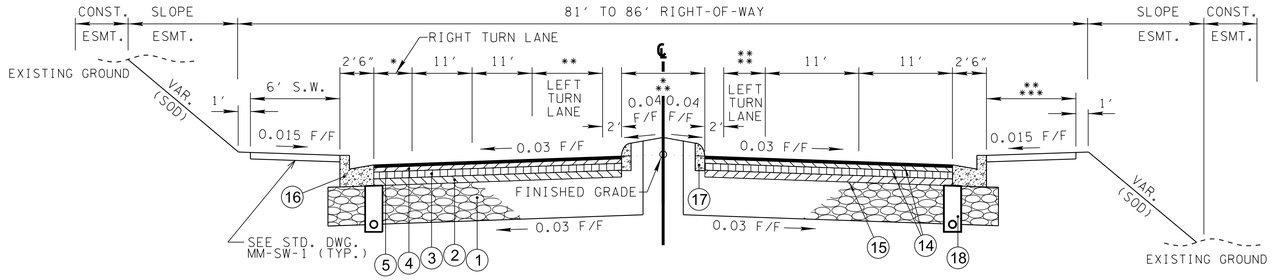
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	2B2

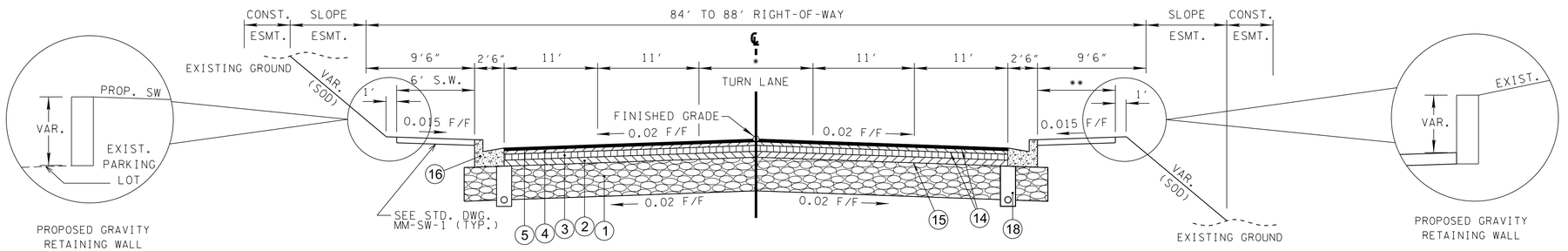


COLUMBIA AVE. (S.R. 6/U.S. 31)
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

STA. 28+52.24 TO STA. 32+30.16
STA. 48+55.29 TO STA. 68+08.48

*	11′	STA. 28+52.24 TO STA. 29+95.24
	11′ TO 0′	STA. 29+95.24 TO STA. 30+45.46
	0′	STA. 30+45.46 TO STA. 32+30.16
		STA. 48+55.29 TO STA. 68.08.48
**	11′	STA. 28+52.24 TO STA. 30+34.61
		STA. 53+40.50 TO STA. 55.53.36
		STA. 65+31.95 TO STA. 66+88.10
**	11′ TO 0′	STA. 30+34.61 TO STA. 30+84.61
		STA. 55+53.36 TO STA. 56+03.36
		STA. 66+88.10 TO STA. 67+38.10
**	0′	STA. 30+84.61 TO STA. 32+30.16
		STA. 48+55.29 TO STA. 53.40.50
		STA. 56+03.36 TO STA. 65+31.95
		STA. 67+38.10 TO STA. 68+08.48
***	2′	STA. 28+52.24 TO STA. 30+34.83
		STA. 52+04.59 TO STA. 55+53.79
		STA. 63+73.20 TO STA. 66+88.53
***	2′ TO 13′	STA. 30+34.83 TO STA. 30+84.83
		STA. 55+53.79 TO STA. 56+03.58
		STA. 66+88.53 TO STA. 67+38.32
***	13′	STA. 30+84.83 TO STA. 32+30.16
		STA. 48+55.29 TO STA. 51+54.59
		STA. 56+03.58 TO STA. 63+22.98
		STA. 67+38.32 TO STA. 68+08.48
***	13′ TO 2′	STA. 51+54.59 TO STA. 52+04.59
		STA. 63+22.98 TO STA. 63+73.20
**	0′	STA. 28+52.24 TO STA. 32+30.16
		STA. 48+55.29 TO STA. 51+54.81
		STA. 53+40.50 TO STA. 63+23.20
		STA. 65+31.95 TO STA. 68+08.48
**	0′ TO 11′	STA. 51+54.81 TO STA. 52+04.81
		STA. 63+23.20 TO STA. 63+73.20
**	11′	STA. 52+04.81 TO STA. 53+40.50
		STA. 63+73.20 TO STA. 65+31.95
***	6′	STA. 28+52.24 TO STA. 32+30.16
		STA. 48+55.29 TO STA. 64+04.19
		STA. 65+31.95 TO STA. 68+08.48
***	0′	STA. 64+04.19 TO STA. 65+31.95



PROPOSED GRAVITY RETAINING WALL

WALL #1: STA. 33+26.31 TO STA. 35+09.29
OFFSET: 37.4′ TO 36.5′
HEIGHT: 0.5′ TO 2.5′

WALL #2: STA. 35+59.31 TO STA. 36+15.00
OFFSET: OFFSET 36.5′
HEIGHT: 1′ TO 1.5′

PROPOSED GRAVITY RETAINING WALL

WALL #3: STA. 39+99.05 TO STA. 41+55.79
OFFSET: 37.5′
HEIGHT: 3′ TO 5′

COLUMBIA AVE. (S.R. 6/U.S. 31)
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

STA. 32+30.16 TO STA. 48+55.29
STA. 68+08.48 TO STA. 75+85.58

*	17′ TO 12′	STA. 32+30.16 TO STA. 33+82.16
		STA. 68+08.48 TO STA. 69+58.56
*	12′	STA. 33+82.16 TO STA. 47+03.47
		STA. 69+5856 TO STA. 75+85.58
*	12′ TO 17′	STA. 47+03.47 TO STA. 48+55.29
**	6′	STA. 32+30.16 TO STA. 35+33.82
		STA. 39+99.05 TO STA. 48+55.29
		STA. 68+08.48 TO STA. 69+06.87
**	0′	STA. 35+33.82 TO STA. 39+99.05
		STA. 69+06.87 TO STA. 75+85.58

R.O.W.

PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TYPICAL SECTIONS

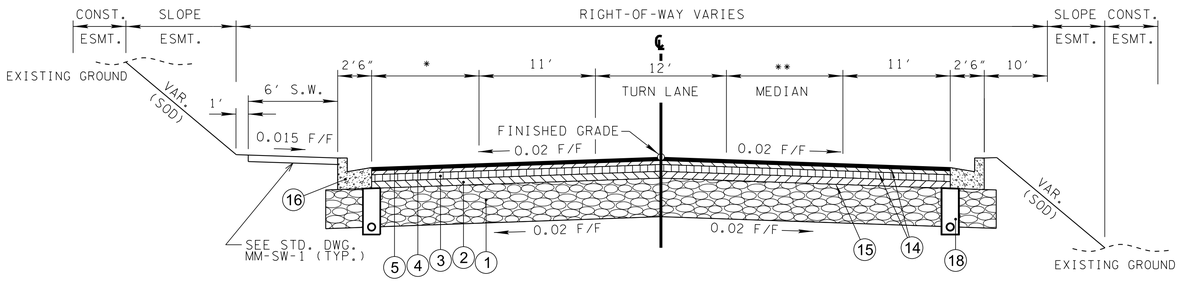
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	2B3



COLUMBIA AVE. (S.R. 6/U.S. 31)
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

STA. 75+85.58 TO STA. 80+65.40

* 11' STA. 68+06.48 TO STA. 69+58.56
11' TO 0' STA. 79+90.24 TO STA. 80+65.40

** 6.43' STA. 75+85.58 TO STA. 76+46.68
6.43' TO 0' STA. 76+46.68 TO STA. 78+27.07
0' STA. 78+27.07 TO STA. 80+65.40

R.O.W.

PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TYPICAL SECTIONS

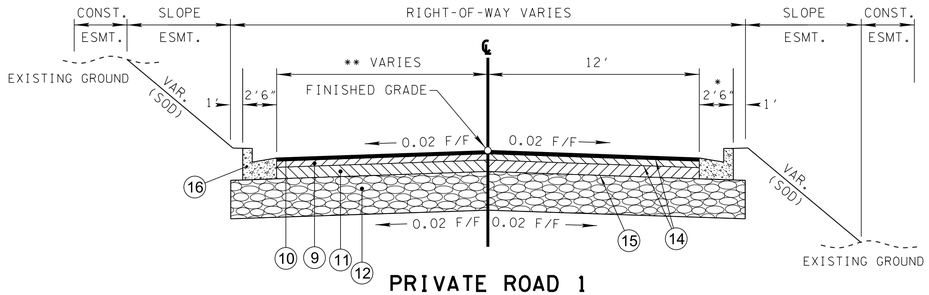
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	2B4

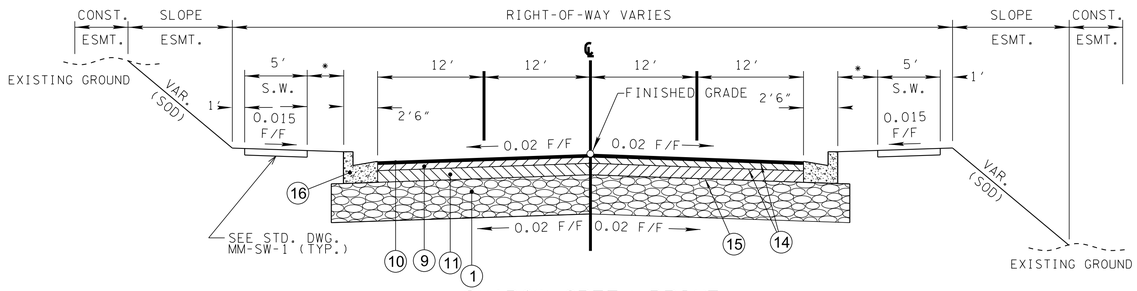


PRIVATE ROAD 1
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

STA. 120+25.00 TO STA. 121+44.10

* EXIST. STA. 120+25.00 TO STA. 120+73.36
** 24' TO 12' STA. 120+25.00 TO STA. 120+73.83

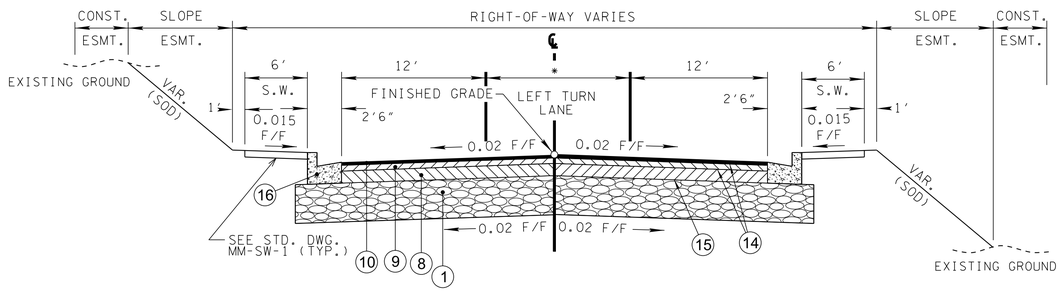


SHADOW GREEN DRIVE
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

STA. 125+15.00 TO STA. 126+29.60

* VARIES - SEE PROPOSED LAYOUT FOR ADDITIONAL DETAILS



SOUTHEAST PARKWAY
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

STA. 130+00.00 TO STA. 133+44.15

* 12' STA. 130+00.00 TO STA. 132+54.14
12' TO 0' STA. 132+54.14 TO STA. 133+44.15

R.O.W.

PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TYPICAL SECTIONS

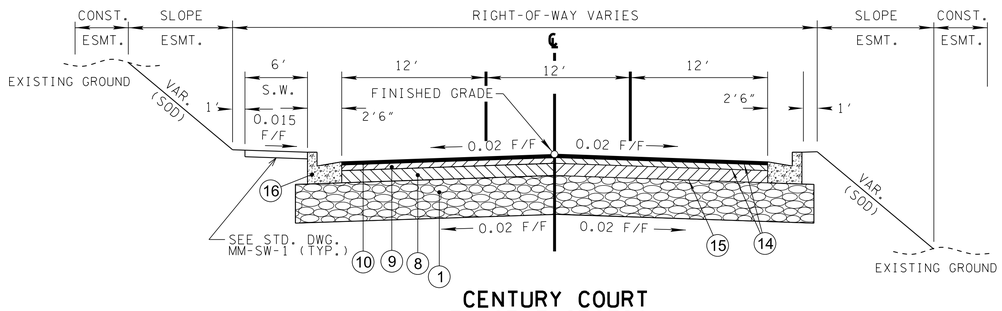
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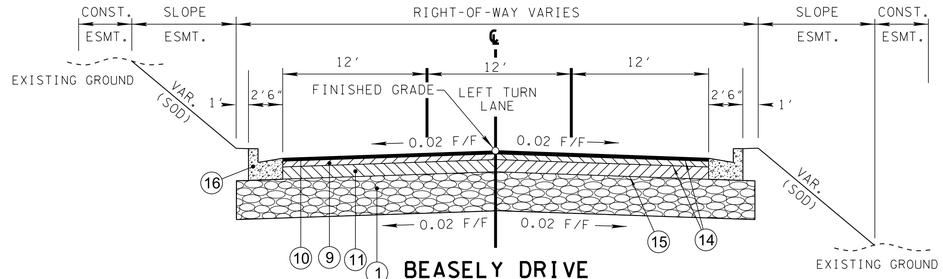
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	2B5



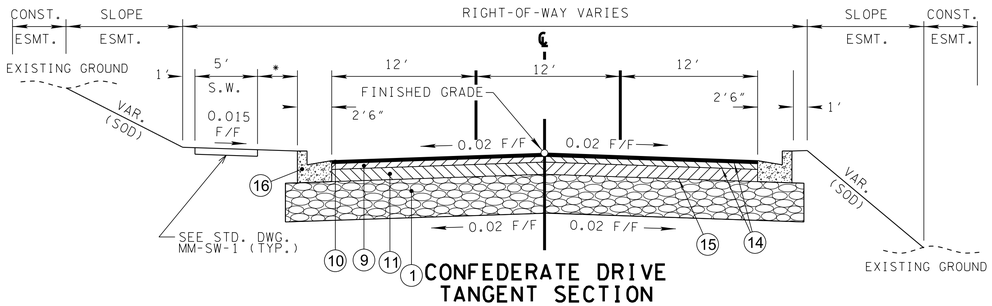
CENTURY COURT TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)
STA. 140+25.00 TO STA. 142+60.53



BEASELY DRIVE TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)
STA. 145+25.00 TO STA. 148+08.56



CONFEDERATE DRIVE TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)
STA. 175+00.00 TO STA. 176+72.20

* VARIES - SEE PROPOSED LAYOUT FOR ADDITIONAL DETAILS

R.O.W.

PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TYPICAL SECTIONS

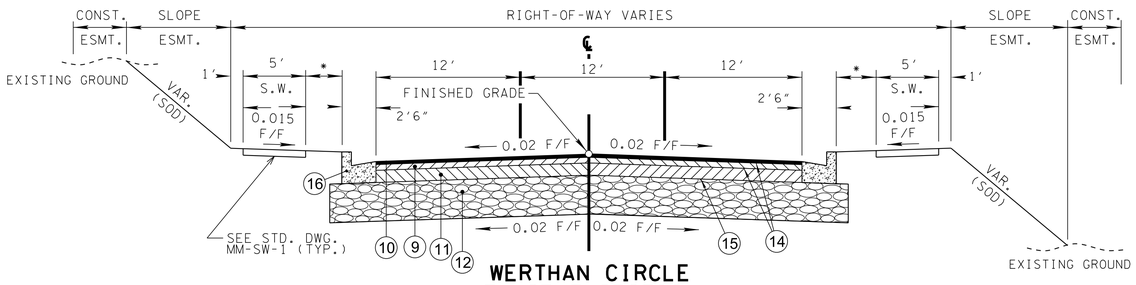
BARGE DESIGN SOLUTIONS

11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	2B6



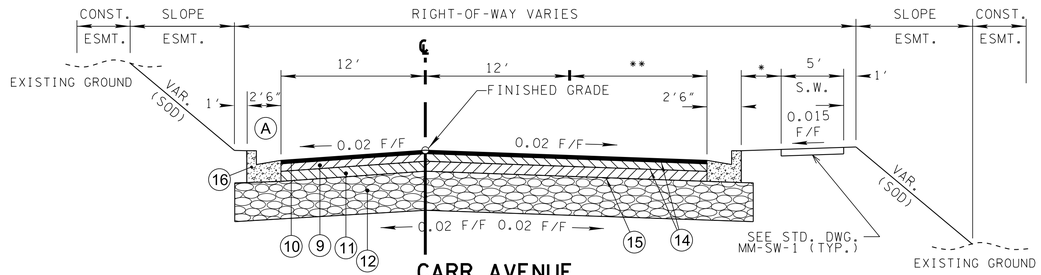
WERTHAN CIRCLE TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

STA. 170+10.00 TO STA. 170+95.35

* VARIES - SEE PROPOSED LAYOUT FOR ADDITIONAL DETAILS

* EXIST. STA. 170+10.00 TO STA.170+34.14



CARR AVENUE TANGENT SECTION

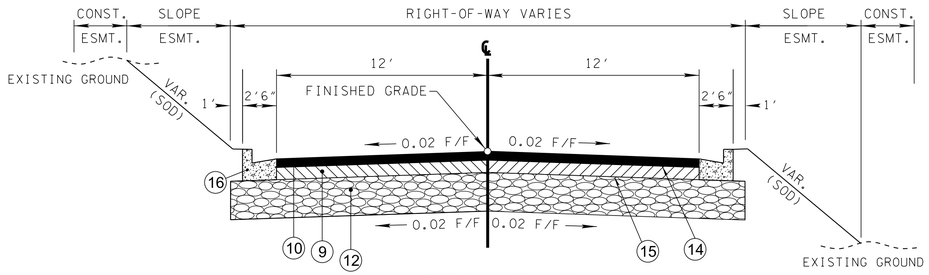
(A) CURB & GUTTER
STA. 180+27.63 TO STA. 180+67.63

(BASED ON STD. DWG. RD11-TS-6A)

STA. 180+00.00 TO STA. 181+68.36

* VARIES - SEE PROPOSED LAYOUT FOR ADDITIONAL DETAILS

** 0' TO 8' STA. 180+76.28 TO STA. 180+84.28
8' STA. 180+84.28 TO STA. 181+68.36



JAMES AVENUE TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

STA. 205+00.00 TO STA. 206+80.92

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TYPICAL SECTIONS

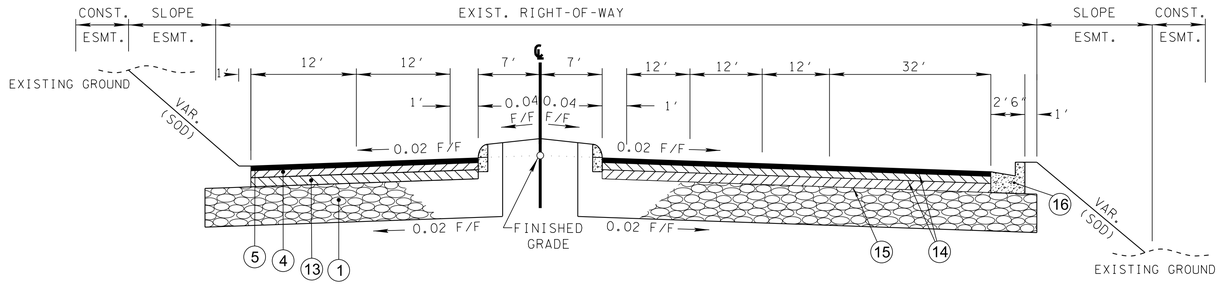
BARGE DESIGN SOLUTIONS

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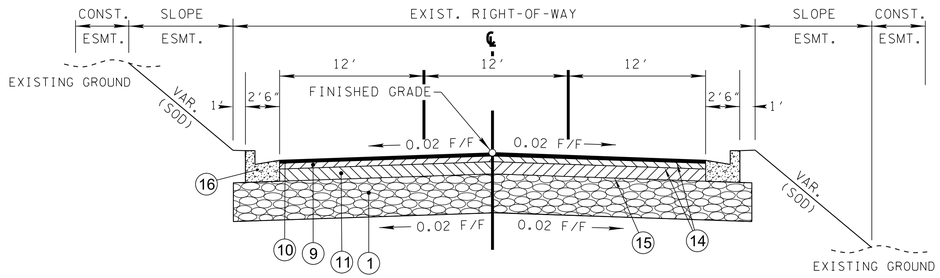
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	2B7



MACK HATCHER PARKWAY
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

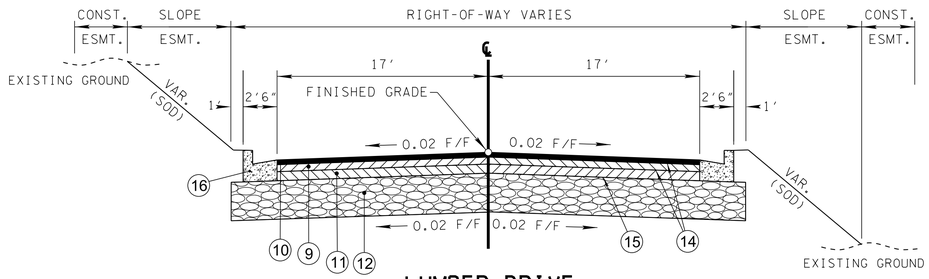
STA. 105+00.00 TO STA. 106+63.45



ALPHA DRIVE
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

STA. 135+00.00 TO STA. 135+68.38



LUMBER DRIVE
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

STA. 150+00.00 TO STA. 150+72.56

R.O.W.

PLANS

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WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TYPICAL SECTIONS

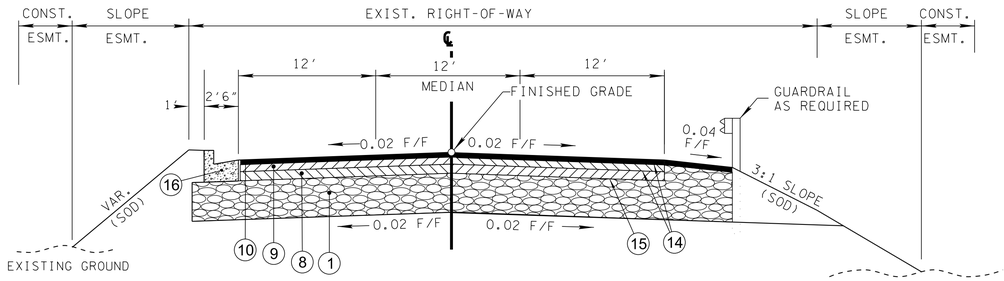
BARGE DESIGN SOLUTIONS

11/12/2024
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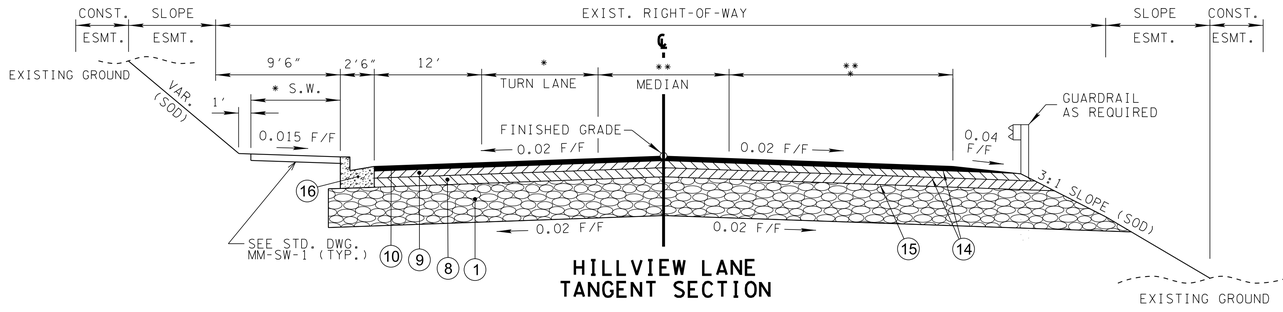
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	2B8



HILLVIEW LANE
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

STA. 100+40.00 TO STA. 101+01.03



HILLVIEW LANE
TANGENT SECTION

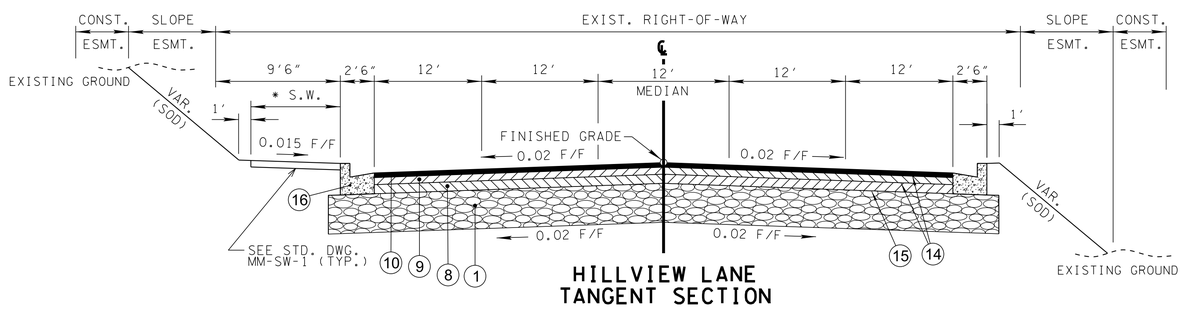
(BASED ON STD. DWG. RD11-TS-6A)

STA. 101+01.03 TO STA. 102+19.36

* 0' TO 12' STA. 101+01.03 TO STA. 101+56.52
12' STA. 101+56.52 TO STA. 102+19.36

** 12' TO 24' STA. 101+01.03 TO STA. 102+19.36

** 0' STA. 101+01.03 TO STA. 101+56.52
0' TO 12' STA. 101+56.52 TO STA. 102+19.36



HILLVIEW LANE
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

STA. 102+19.36 TO STA. 103+58.29

* 0' STA. 102+19.36 TO STA. 102+61.03
6' STA. 102+61.03 TO STA. 103+58.29

R.O.W. PLANS

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WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TYPICAL SECTIONS

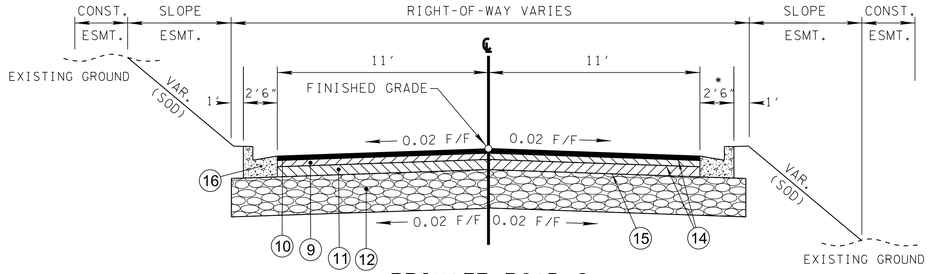
BARGE DESIGN SOLUTIONS

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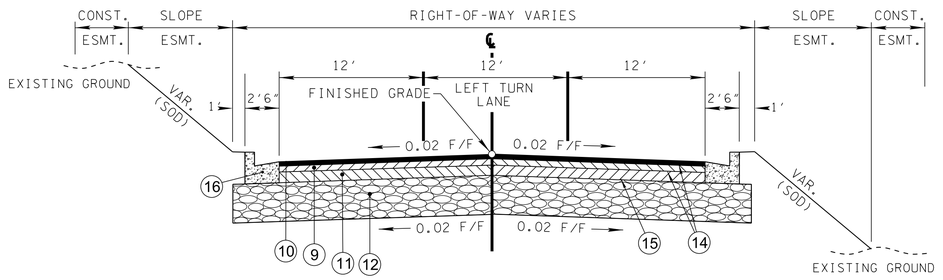
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	2B9



PRIVATE ROAD 2
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

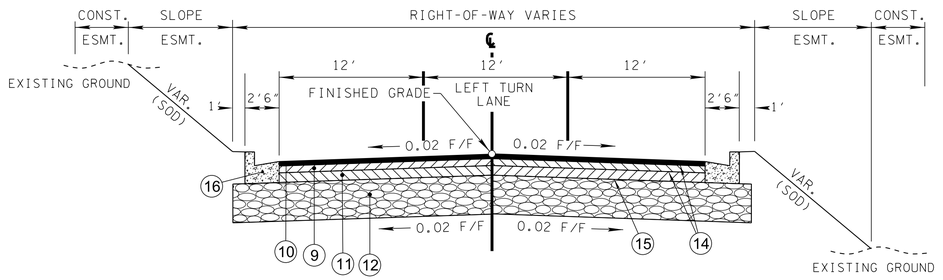
STA. 155+00.00 TO STA. 155+85.00



PRIVATE ROAD 3
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

STA. 160+25.00 TO STA. 160+95.50



PRIVATE ROAD 4
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

STA. 165+00.00 TO STA. 165+98.75

R.O.W.

PLANS

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WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TYPICAL SECTIONS

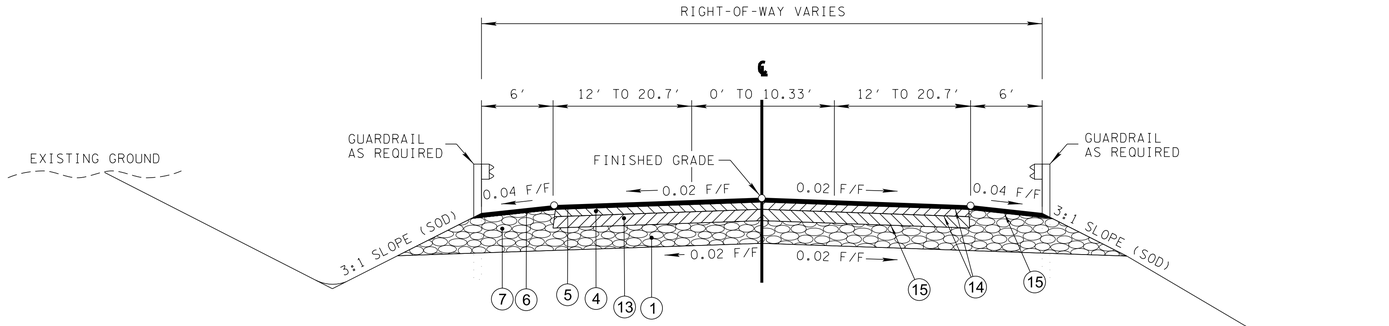
BARGE DESIGN SOLUTIONS

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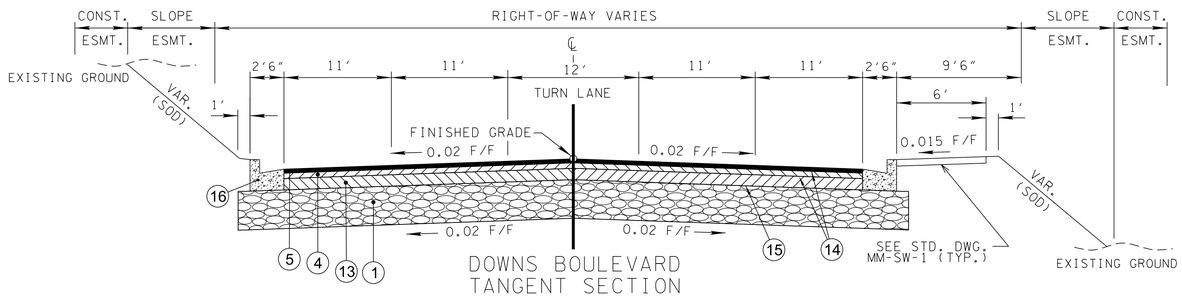
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	2B10



DOWNS BOULEVARD
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-1)

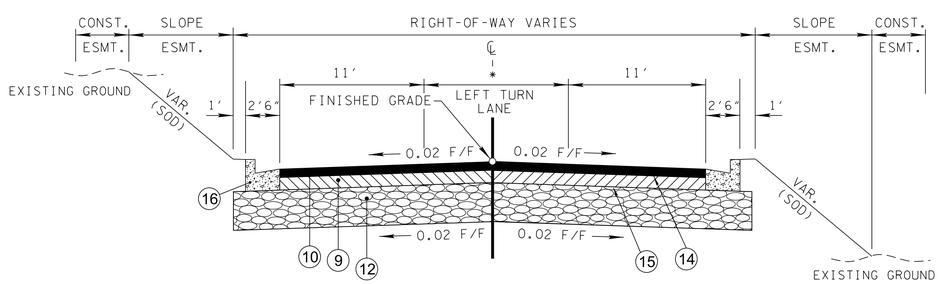
STA. 185+50.00 TO STA. 188+51.22



DOWNS BOULEVARD
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

STA. 188+51.22 TO STA. 193+14.90

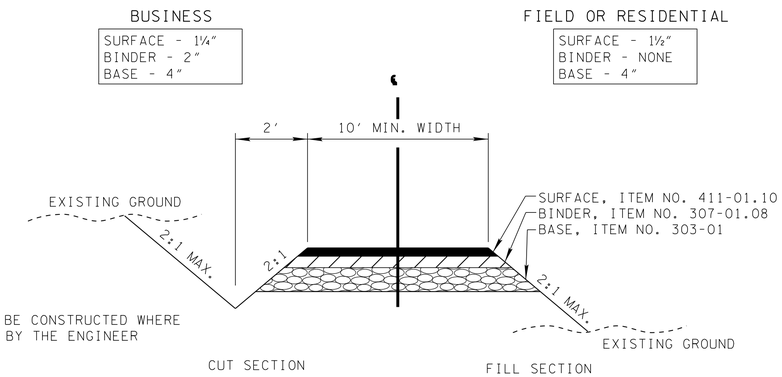


NEW ROAD
TANGENT SECTION

(BASED ON STD. DWG. RD11-TS-6A)

STA. 195+00.00 TO STA. 198+99.83

* 11' STA. 195+00.00 TO STA. 196+29.04
11' TO 0' STA. 196+29.04 TO STA. 198+04.05
0' STA. 198+04.05 TO STA. 198+99.83



NOTE: DITCH TO BE CONSTRUCTED WHERE DIRECTED BY THE ENGINEER

TYPICAL SECTION

PRIVATE DRIVE TO BUSINESS,
FIELD, OR RESIDENTIAL PROPERTY

R.O.W.

PLANS

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WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TYPICAL SECTIONS

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	2B11

PROPOSED PAVEMENT SCHEDULE

(1) MINERAL AGGREGATE BASE (10") ITEM NO. 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D	(2) BASE (3" THICK) (APPROX. 270 LBS./S.Y.) ITEM NO. 307-01.21 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A-S	(3) BASE (3" THICK) (APPROX. 345 LBS./S.Y.) ITEM NO. 307-02.01 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A
(4) BINDER (2" THICK) (APPROX. 226 LBS./S.Y.) ITEM NO. 307-02.08 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	(5) SURFACE (ROADWAY) (1.25" THICK) (APPROX. 132.5 LBS./S.Y.) ITEM NO. 411-02.10 ASPHALT CONCRETE MIX (PG70-22) (ACS) GRADING D	(6) SURFACE (SHOULDERS) (1.5" THICK) (APPROX. 154.5 LBS/S.Y.) ITEM NO. 411-01.07 ASPHALT CONCRETE MIX (PG64-22) (ACS) GRADING E
(7) MINERAL AGGREGATE BASE (17.75") SHOULDER ITEM NO. 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D	(8) BASE (4" THICK) (APPROX. 460 LBS./S.Y.) ITEM NO. 307-01.01 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	(9) BITUMINOUS BINDER (2" THICK) (APPROX. 226 LBS./S.Y.) ITEM NO. 307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2
(10) SURFACE (ROADWAY) (1.25" THICK) (APPROX. 132.5 LBS./S.Y.) ITEM NO. 411-01.10 ASPHALT CONCRETE MIX (PG64-22) (ACS) GRADING D	(11) BASE (3" THICK) (APPROX. 345 LBS./S.Y.) ITEM NO. 307-01.01 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	(12) MINERAL AGGREGATE BASE (8") ITEM NO. 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D
(13) BASE (6" THICK) (APPROX. 690 LBS./S.Y.) ITEM NO. 307-02.01 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	(14) TACK COAT ITEM NO. 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) @ 0.05 - 0.10 GAL./S.Y. (GENERAL USE) @ 0.08 - 0.12 GAL./S.Y. (MILLING - COLD PLANING)	(15) PRIME COAT ITEM NO. 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (TC) @ 0.30 - 0.35 GAL./S.Y. (GENERAL USE)
(16) CURB AND GUTTER ITEM NO. 702-03 CONCRETE COMBINED CURB AND GUTTER TYPE 6-30	(17) MOUNTABLE CURB (6" SLOPING DETACHED CONCRETE CURB) ITEM NO. 702-01 SEE STANDARD DRAWING RP-SC-1	(18) AGGREGATE UNDERDRAIN (WITH PIPE) ITEM NO. 710-02 SEE STANDARD DRAWING RD-UD-3

R.O.W.

PLANS

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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PAVEMENT SCHEDULE

BARGE DESIGN SOLUTIONS

11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	2E

CATCH BASINS AND MANHOLES

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSIONS	DEPTH (FT.)	STANDARD DRAWING	PAY ITEMS																
										TYPE 10 611-10.01 0' - 4'	TYPE 10 611-10.02 4' - 8'	TYPE 12 611-12.01 0' - 4'	TYPE 12 611-12.02 4' - 8'	TYPE 12 611-12.03 8' - 12'	TYPE 14 611-14.01 0' - 4'	TYPE 14 611-14.02 4' - 8'	TYPE 14 611-14.03 8' - 12'	TYPE 26 611-26.02 4' - 8'	TYPE 42 611-42.01 0' - 4'	TYPE 42 611-42.02 4' - 8'	TYPE 43 611-43.01 0' - 4'	TYPE 43 611-43.02 4' - 8'	TYPE 44 611-44.02 4' - 8'	MANHOLES 611-01.01 0' - 4'	MANHOLES 611-01.02 4' - 8'	MANHOLES 611-01.03 8' - 12'
4B	COLUMBIA	13+45.00	57.00	1	731.62	14		4.22	D-CB-14S							1										
4B	COLUMBIA	14+50.00	57.00	2	727.25	14		4.75	D-CB-14S							1										
4B	MACK HATCHER	106+69.00	39.00	3	721.03	42		3.63	D-CB-42S										1							
4B	MACK HATCHER	106+69.00	6.09	4	721.45	14		4.34	D-CB-14S							1										
4B	MACK HATCHER	106+32.00	-5.97	5	721.54	14		4.73	D-CB-14S							1										
4B	COLUMBIA	15+40.79	80.84	6	722.02	42		5.89	D-CB-42S											1						
4B	COLUMBIA	14+50.00	-30.00	7	727.25	14		9.97	D-CB-14S								1									
4B	HILLVIEW	102+75.00	30.00	8	721.71	14		5.47	D-CB-14S							1										
4B	HILLVIEW	102+75.00	-34.16	9	721.71	14		3.72	D-CB-14S						1											
4B	HILLVIEW	102+07.80	24.16	10	721.5	MH		6.64	D-MH-5																	1
4B	COLUMBIA	16+70.00	43.50	11	716.79	12		4.29	D-CB-12S				1													
4B	COLUMBIA	16+70.00	-43.50	19	716.44	14		4.22	D-CB-14S							1										
5B	COLUMBIA	18+75.00	43.50	12	707.05	14		4.17	D-CB-14S							1										
5B	COLUMBIA	18+75.00	-43.50	20	706.72	10		4.43	D-CB-10SB		1															
5B	COLUMBIA	20+17.40	58.00	12B	699.00	43		4.48	D-CB-43SB													1				
5B	COLUMBIA	22+20.00	43.50	12A	699.80	12		5.49	D-CB-12S				1													
5B	COLUMBIA	22+20.00	43.50	13A	688.50	43		5.41	D-CB-43SB													1				
5B	COLUMBIA	22+36.65	43.40	13	690.44	10		7.56	D-CB-10SB		1															
5B	COLUMBIA	21+62.00	-33.20	22	693.54	12		6.08	D-CB-12S				1													
5B	COLUMBIA	22+12.00	-32.50	23	691.62	14		4.11	D-CB-14S							1										
5B	COLUMBIA	23+54.00	42.35	14	687.85	14		7.18	D-CB-14RB							1										
5B	COLUMBIA	24+75.00	8.78	26	687.04	26		4.04	D-CB-26S									1								
5B	COLUMBIA	24+95.93	39.51	15	686.17	14		6.21	D-CB-14SE							1										
5B	COLUMBIA	25+73.00	37.96	16	686.54	12		7.03	D-CB-12SC				1													
5B	COLUMBIA	26+80.00	35.82	17	686.76	12		7.83	D-CB-12SC				1													
5B	COLUMBIA	27+79.00	33.84	18	687.06	12		8.68	D-CB-12SC					1												
5B	COLUMBIA	29+20.00	32.50	54	687.41	14		9.75	D-CB-14SE								1									
5B	COLUMBIA	29+20.00	4.50	53	688.16	12		4.01	D-CB-12S				1													
5B	COLUMBIA	29+20.00	-43.50	37	686.88	14		4.21	D-CB-14S							1										
5B	COLUMBIA	29+87.00	-43.50	38	687.04	12		4.78	D-CB-12S				1													
5B	COLUMBIA	29+90.00	32.50	55	687.57	14		10.33	D-CB-14RB								1									
5B	SHADOW GREEN	125+39.00	26.00	49	688.15	14		5.26	D-CB-14S							1										
5B	SHADOW GREEN	125+38.00	-26.00	50	688.15	14		4.67	D-CB-14S							1										
5B	SOUTHEAST	130+85.00	20.00	51	686.25	12		3.98	D-CB-12S			1														
5B	SOUTHEAST	130+82.00	-20.00	52	686.27	14		4.31	D-CB-14S							1										
5B	SOUTHEAST	132+60.00	20.00	52B	686.82	12		3.59	D-CB-12S			1														
5B	SOUTHEAST	132+60.00	-20.00	52A	686.82	10		3.9	D-CB-10S	1																
6B	COLUMBIA	32+30.00	-32.50	40	687.46	12		9.2	D-CB-12S					1												
6B	COLUMBIA	32+30.00	32.50	56	687.43	12		6.09	D-CB-12S				1													
6B	COLUMBIA	33+65.00	-30.29	41	687.18	12		5.23	D-CB-12S				1													
6B	COLUMBIA	33+65.01	30.29	57	687.18	12		5.13	D-CB-12S				1													
6B	COLUMBIA	34+64.46	-30.00	42	687.00	14		4.50	D-CB-14S							1										
6B	COLUMBIA	34+64.46	30.00	58	686.99	14		4.4	D-CB-14S							1										
6B	COLUMBIA	36+00.00	-30.00	43	687.57	14		4.39	D-CB-14S							1										
6B	COLUMBIA	35+95.00	30.00	59	687.54	14		4.29	D-CB-14S							1										
6B	COLUMBIA	37+10.00	-30.00	44	688.90	12		4.4	D-CB-12S				1													
6B	COLUMBIA	37+10.00	30.00	60	688.91	10		4.41	D-CB-10S		1															
6B	COLUMBIA	37+65.00	-30.00	45	689.81	14		4.39	D-CB-14S							1										
6B	COLUMBIA	39+07.00	-30.00	48	691.72	12		4.22	D-CB-12S				1													
6B	COLUMBIA	38+88.00	-52.57	47A	691.31	14		4.11	D-CB-14S							1										
6B	COLUMBIA	39+07.00	30.00	61	691.72	12		4.42	D-CB-12S				1													
6B	COLUMBIA	41+30.00	30.00	62	691.73	12		4.01	D-CB-12S				1													
6B	COLUMBIA	42+05.00	30.00	63	690.89	12		4.19	D-CB-12S				1													
6B	COLUMBIA	42+80.31	-30.00	89	689.66	12		3.71	D-CB-12S			1														
6B	COLUMBIA	42+80.00	30.00	64	689.65	12		4.19	D-CB-12S				1													
6B	CENTURY	142+02.00	23.63	46	690.73	12		4.61	D-CB-12S				1													
6B	CENTURY	142+02.00	-25.11	47	691.37	12		4.44	D-CB-12S				1													
7B	COLUMBIA	43+02.60	-64.15	90	689.26	14		4.18	D-CB-14S							1										
7B	BEASLEY	147+29.00	23.68	94	687.97	12		4.37	D-CB-12S				1													
7B	BEASLEY	147+55.02	30.59	96	687.88	12		4.54	D-CB-12S				1													
7B	BEASLEY	146+64.31	20.00	93	688.28	12		4.19	D-CB-12S				1													
7B	BEASLEY	146+15.00	-20.00	95	688.52	12		3.91	D-CB-12S			1														
7B	BEASLEY	146+30.25	20.00	92	688.44	12		4.14	D-CB-12S				1													
7B	COLUMBIA	43+05.42	54.23	65	689.21	MH		3.33	D-MH-5																1	
7B	LUMBER	150+50.00	27.05	66	688.78	12		3.98	D-CB-12S			1														
SUBTOTAL THIS PAGE										**1**	**3**	**5**	**22**	**2**	**1**	**21**	**3**	**1**	**1**	**1**	**0**	**2**	**0**	**1**	**1**	**0**

R.O.W.

PLANS

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COLUMBIA AVENUE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	2E1

CATCH BASINS AND MANHOLES

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSIONS	DEPTH (FT.)	STANDARD DRAWING	PAY ITEMS																	
										TYPE 10 611-10.01 0' - 4'	TYPE 10 611-10.02 4' - 8'	TYPE 12 611-12.01 0' - 4'	TYPE 12 611-12.02 4' - 8'	TYPE 12 611-12.03 8' - 12'	TYPE 14 611-14.01 0' - 4'	TYPE 14 611-14.02 4' - 8'	TYPE 14 611-14.03 8' - 12'	TYPE 26 611-26.02 4' - 8'	TYPE 42 611-42.01 0' - 4'	TYPE 42 611-42.02 4' - 8'	TYPE 43 611-43.01 0' - 4'	TYPE 43 611-43.02 4' - 8'	TYPE 44 611-44.02 4' - 8'	MANHOLES 611-01.01 0' - 4'	MANHOLES 611-01.02 4' - 8'	MANHOLES 611-01.03 8' - 12'
7B	LUMBER	150+50.00	-26.56	67	688.07	12		4.16	D-CB-12S				1													
7B	COLUMBIA	44+06.00	-34.94	97	687.78	14		4.92	D-CB-14S							1										
7B	COLUMBIA	44+30.00	30.00	68	687.18	12		4.93	D-CB-12S				1													
7B	COLUMBIA	44+91.36	-30.00	98	686.36	14		4.19	D-CB-14S							1										
7B	COLUMBIA	45+31.00	-30.00	99	685.88	14		4.72	D-CB-14S							1										
7B	COLUMBIA	45+96.23	-91.16	100	686.08	42		4.3	D-CB-42S											1						
7B	COLUMBIA	46+00.00	-30.00	101	685.12	12		4.46	D-CB-12S				1													
7B	COLUMBIA	46+00.00	30.00	69	685.15	12		4.46	D-CB-12S				1													
7B	COLUMBIA	46+79.00	-30.00	103	684.46	14		5.15	D-CB-14SE							1										
7B	COLUMBIA	46+80.00	30.00	70	684.46	12		4.72	D-CB-12S				1													
7B	COLUMBIA	49+22.00	-43.43	104	683.63	42		3.63	D-CB-42S										1							
7B	COLUMBIA	48+15.00	-31.86	105	683.77	14		5.3	D-CB-14SE							1										
7B	COLUMBIA	48+15.00	31.86	71	683.77	14		4.73	D-CB-14S							1										
7B	COLUMBIA	49+23.00	-32.50	107	683.63	14		6.06	D-CB-14SE							1										
7B	COLUMBIA	49+23.00	32.50	72	683.63	12		5.17	D-CB-12S				1													
7B	COLUMBIA	50+32.00	-42.94	108	683.34	42		3.63	D-CB-42S										1							
7B	COLUMBIA	50+32.00	-32.50	109	683.34	14		6.34	D-CB-14SE							1										
7B	COLUMBIA	50+32.00	32.50	73	683.34	14		5.46	D-CB-14S							1										
7B	COLUMBIA	51+50.00	-32.50	110	683.03	12		6.64	D-CB-12SC				1													
7B	COLUMBIA	51+50.00	32.50	74	683.03	14		5.76	D-CB-14S							1										
7B	COLUMBIA	52+64.00	-32.50	111	682.39	12		6.61	D-CB-12SC				1													
7B	COLUMBIA	52+64.00	32.50	75	682.4	12		5.73	D-CB-12S				1													
7B	COLUMBIA	54+01.00	-32.50	112	682.02	14		7.69	D-CB-14SE							1										
7B	COLUMBIA	54+01.00	32.50	76	682.03	12		8.76	D-CB-12S					1												
7B	COLUMBIA	54+60.00	-32.50	113	681.87	14		6.9	D-CB-14S							1										
7B	COLUMBIA	54+60.00	32.50	77	682.2	12		7.04	D-CB-12S				1													
7B	COLUMBIA	55+19.58	-32.50	114	681.76	14		4.21	D-CB-14S							1										
7B	COLUMBIA	55+19.58	32.50	78	682.09	14		4.44	D-CB-14S							1										
7B/8B	COLUMBIA	56+00.00	-32.50	115	682.34	12		4.05	D-CB-12S				1													
7B/8B	COLUMBIA	56+00.00	32.50	79	682.34	14		4.23	D-CB-14S							1										
8B	COLUMBIA	58+00.00	-32.50	116	685.11	14		4.21	D-CB-14S							1										
8B	COLUMBIA	58+00.00	32.50	80	685.11	14		4.19	D-CB-14S							1										
8B	COLUMBIA	60+50.00	-32.50	117	692.87	12		4.17	D-CB-12S				1													
8B	COLUMBIA	60+50.00	32.50	81	692.87	12		4.18	D-CB-12S				1													
8B	COLUMBIA	62+70.00	-32.50	118	694.63	12		3.93	D-CB-12S			1														
8B	COLUMBIA	62+70.00	32.50	82	699.04	12		4.01	D-CB-12S				1													
8B	COLUMBIA	64+68.00	-32.50	119	699.06	12		3.96	D-CB-12S			1														
8B	COLUMBIA	64+68.00	32.50	83	699.19	12		4.21	D-CB-12S				1													
8B	COLUMBIA	65+85.00	-32.86	124	697.14	12		6.72	D-CB-12S				1													
8B	COLUMBIA	65+95.00	32.50	84	696.92	12		4.38	D-CB-12S				1													
8B	WERTHAN	170+28.84	23.30	120	697.99	42		3.64	D-CB-42S										1							
8B	WERTHAN	170+43.80	-25.19	123	698.23	14		7.6	D-CB-14S							1										
8B/9B	COLUMBIA	68+49.99	-31.81	125	691.24	12		4.69	D-CB-12S				1													
8B/9B	COLUMBIA	68+50.00	31.81	85	691.24	12		4.38	D-CB-12S				1													
9B	COLUMBIA	69+21.68	-44.69	126	689.89	44		4.91	D-CB-44SE															1		
9B	COLUMBIA	69+28.00	-30.51	127	689.99	12		5.12	D-CB-12S				1													
9B	COLUMBIA	69+58.76	-30.00	128	689.45	10		4.67	D-CB-10S		1															
9B	COLUMBIA	69+81.57	-51.09	129	689.17	42		5.29	D-CB-42S											1						
9B	COLUMBIA	70+00.00	-30.00	130	688.97	14		6.77	D-CB-14SE							1										
9B	COLUMBIA	70+00.00	30.00	86	688.97	12		4.38	D-CB-12S				1													
9B	COLUMBIA	70+45.00	-30.00	131	688.59	14		6.7	D-CB-14SE							1										
9B	COLUMBIA	70+77.48	-30.00	132	688.39	14		6.6	D-CB-14SE							1										
9B	COLUMBIA	71+10.00	-30.00	133	688.27	14		6.58	D-CB-14SE							1										
9B	COLUMBIA	71+27.00	-30.00	134	688.23	12		6.59	D-CB-12SC				1													
9B	COLUMBIA	71+49.94	-30.00	135	688.22	14		6.81	D-CB-14SE							1										
9B	COLUMBIA	71+49.94	30.00	87	688.22	14		4.39	D-CB-14S							1										
9B	COLUMBIA	71+75.00	-30.00	136	688.24	12		7.07	D-CB-12SC				1													
9B	COLUMBIA	71+90.89	-36.84	138	688.26	42		5.89	D-CB-42SB											1						
9B	COLUMBIA	72+16.73	-30.00	139	688.31	14		7.79	D-CB-14SE							1										
9B	COLUMBIA	72+82.00	-30.00	140	688.42	14		8.3	D-CB-14S								1									
9B	COLUMBIA	73+10.00	30.00	146	688.47	12		10.4	D-CB-12SE					1												
9B	COLUMBIA	73+44.00	-30.00	141	688.52	12		5.33	D-CB-12S				1													
9B	COLUMBIA	73+64.00	-52.45	142	688.12	42		3.63	D-CB-42S										1							
9B	COLUMBIA	73+94.00	-30.00	143	688.61	12		5.07	D-CB-12S				1													
9B	COLUMBIA	73+95.29	30.00	147	688.61	12		5.04	D-CB-12S				1													
SUBTOTAL THIS PAGE										**0**	**1**	**2**	**26**	**2**	**0**	**25**	**1**	**0**	**4**	**3**	**0**	**0**	**1**	**0**	**0**	**0**

R.O.W.

PLANS

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COLUMBIA AVENUE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	2E2

CATCH BASINS AND MANHOLES

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSIONS	DEPTH (FT.)	STANDARD DRAWING	PAY ITEMS																	
										TYPE 10 611-10.01 0' - 4'	TYPE 10 611-10.02 4' - 8'	TYPE 12 611-12.01 0' - 4'	TYPE 12 611-12.02 4' - 8'	TYPE 12 611-12.03 8' - 12'	TYPE 14 611-14.01 0' - 4'	TYPE 14 611-14.02 4' - 8'	TYPE 14 611-14.03 8' - 12'	TYPE 26 611-26.02 4' - 8'	TYPE 42 611-42.01 0' - 4'	TYPE 42 611-42.02 4' - 8'	TYPE 43 611-43.01 0' - 4'	TYPE 43 611-43.02 4' - 8'	TYPE 44 611-44.02 4' - 8'	MANHOLES 611-01.01 0' - 4'	MANHOLES 611-01.02 4' - 8'	MANHOLES 611-01.03 8' - 12'
9B	COLUMBIA	74+68.28	30.00	148	688.73	14		4.72	D-CB-14S							1										
9B	COLUMBIA	74+65.16	-30.00	144	688.73	12		4.75	D-CB-12S				1													
9B	COLUMBIA	75+08.00	-30.00	145	688.8	12		4.5	D-CB-12S				1													
9B	COLUMBIA	75+61.99	29.32	160	688.97	MH		11.92	D-MH-5																	1
9B	COLUMBIA	76+33.00	25.93	161	689.05	12		11.57	D-CB-12SC					1												
9B	COLUMBIA	76+67.00	-30.00	162	688.8	12		4.21	D-CB-12S				1													
9B	COLUMBIA	77+20.00	-30.00	163	688.7	10		4.47	D-CB-10S		1															
9B	COLUMBIA	77+19.00	22.86	164	688.9	12		10.92	D-CB-12S					1												
9B	COLUMBIA	78+30.00	19.00	168	688.79	12		10.22	D-CB-12S				1													
9B	COLUMBIA	78+30.00	-30.00	173	688.46	12		9.56	D-CB-12S				1													
9B	COLUMBIA	78+95.00	19.00	169	688.2	14		4.76	D-CB-14S							1										
9B	COLUMBIA	78+95.00	-30.50	174	688.42	14		9.37	D-CB-14S								1									
9B	COLUMBIA	79+52.00	-30.00	175	688.71	14		9.09	D-CB-14S							1										
9B	COLUMBIA	79+53.00	19.00	170	688.72	12		4.76	D-CB-12S				1													
9B	COLUMBIA	79+88.00	-30.37	176	688.72	12		8.77	D-CB-12S					1												
9B	COLUMBIA	79+95.00	19.00	171	688.86	10		4.55	D-CB-10S		1															
9B	COLUMBIA	80+66.49	-28.22	177	688.82	43		8.41	D-CB-43R D-CB-43SB D-CB-43SC													1				
9B	COLUMBIA	80+58.00	19.00	172	688.8	14		4.09	D-CB-14S							1										
9B	COLUMBIA	75+14.00	-51.17	149	688.37	43		3.59	D-CB-43SB												1					
9B	DOWNS	192+36.56	47.73	150	689.05	42		4.58	D-CB-42S											1						
9B	DOWNS	192+30.76	30.00	159	689.11	14		6.5	D-CB-14SE							1										
9B	DOWNS	192+31.17	-30.00	158	689.11	14		4.09	D-CB-14S							1										
9B	JAMES	206+00.00	14.00	165	688.41	12		6.74	D-CB-12S				1													
9B	JAMES	206+00.00	-14.00	166	686.24	12		3.9	D-CB-12S			1														
9B	NEW ROAD	196+05.00	-18.50	178	685.57	12		3.98	D-CB-12S			1														
9B	NEW ROAD	196+50.00	17.86	179	684.68	12		8.22	D-CB-12SD					1												
9B	NEW ROAD	196+50.00	-17.85	180	684.68	12		5.27	D-CB-12S				1													
9B	NEW ROAD	197+75.00	13.91	181	682.8	12		6.96	D-CB-12SD				1													
9B	NEW ROAD	197+40.00	-15.01	182	683	12		6.18	D-CB-12S				1													
9B	NEW ROAD	200+00.36	-39.14	183	682.43	12		6.45	D-CB-12SD				1													
10B	DOWNS	188+95.00	-30.00	151	695.57	14		10.53	D-CB-14S								1									
10B	DOWNS	188+95.00	30.00	152	695.57	14		11.37	D-CB-14SE								1									
10B	DOWNS	190+70.76	-30.00	153	690.67	14		4.22	D-CB-14S							1										
10B	DOWNS	190+70.76	51.27	154	690.08	42		3.63	D-CB-42S										1							
10B	DOWNS	190+70.76	30.00	155	690.67	14		7.13	D-CB-14SE							1										
10B	DOWNS	191+11.76	-30.00	156	690.25	14		4.22	D-CB-14S							1										
10B	DOWNS	191+11.76	30.00	157	690.25	14		7.02	D-CB-14SE							1										
SUBTOTAL THIS PAGE										**0**	**2**	**2**	**11**	**4**	**0**	**10**	**3**	**0**	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**1**
TOTALS										**1**	**6**	**9**	**59**	**8**	**1**	**56**	**7**	**1**	**6**	**5**	**1**	**3**	**1**	**1**	**1**	**1**

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STORM DRAINAGE PIPES

SHEET NO.	FROM		TO		% GRADE	REINFORCED CONC. PIPE - CLASS III SIZE & LENGTH (L.F.)							RIP-RAP 709-05.06 (TON)
	CODE	OUTLET ELEV.	CODE	INLET ELEV.		18"	24"	30"	36"	42"	60"	*HORIZONTAL OVAL PIPE	
4B	1	727.4	2	722.67	4.88	97							
4B	2	722.5	6	718.35	4.83	85.93							
4B	3	717.4	4	717.28	0.40	30.52							
4B	4	717.11	5	716.98	0.40	32.19							
4B	5	716.81	6	716.63	0.40	45.75							
4B	6	716.13	6A	715.73	0.40		99.01						
4B	7	717.28	8	716.44	0.99	84.44							
4B	9	717.99	8	717.75	0.40	61.7							
4B	8	716.24	10	714.86	2.29	60.18							
4B	10	714.66	10A	712.47	2.58		106.75						
4B	10B	715.22	10	714.86	2.06	17.44							
4B/5B	19	712.22	20	702.27	4.91	199.38							
4B/5B	11	712.5	12	703.05	4.76	198.62							
5B	12A	694.31	13	685.45	3.17		222.67						
5B	12	702.88	12A	694.48	6.10	137.71							
5B	12B	694.52	12A	694.48	0.42		9.62						
5B	13	682.88	14	680.84	1.83			111.63					
5B	13A	683.09	13	683.05	0.40			10.2					
5B	14	680.67	15	680.13	0.40							133.95	
5B	15	679.96	16	679.68	0.40							71.09	
5B	16	679.51	17	679.1	0.40					103.02			
5B	16A	682.8	16	681.5	8.13			16					
5B	17	678.93	18	678.55	0.40					94.52			
5B	18A	679.84	18	678.55	2.14			60.19					
5B	18	678.38	54	677.83	0.41					134.52			
5B	51	682.27	52	682.11	0.45	35.21							
5B	52	681.43	52D	680.97	0.98	46.94							
5B	52D	680.8	54	680.7	0.61	16.43							
5B	52A	682.42	52	681.61	0.47	173.3							
5B	52B	682.73	52A	682.59	0.41	34.54							
5B	52C	685.91	52B	682.9	9.61	31.31							
5B	53	684.15	54	683.66	2.13	22.83							
5B	54	677.66	55	677.41	0.40					62			
5B/6B	55	677.24	STUB	676.64	0.40					151.73			
5B	20	702.27	22	689.33	4.55		284.25						
5B	23	687.51	22	687.33	0.41	44.26							
5B	22	687.16	22A	687.07	0.40		23.18						
5B	26	682.95	27	682.5	1.25	39.88							
5B	34A	681.62	35	681.27	0.99		35.32						
5B	37	682.67	38	682.43	0.40	61							
5B	38	682.26	39	682.45	0.40	2.59							
5B	50	683.48	49	682.89	1.25	47.09							
6B	47	686.93	46	686.29	1.44	44.26							
6B	46	686.12	45	685.59	1.04	51.13							
6B	48	687.5	47A	687.37	0.51	25.4							
6B	47A	687.2	47	687.1	0.51	25.4							
6B	45	685.42	44	684.67	1.53	49							
6B	44	684.5	43	683.35	1.11	104							
6B	43	683.18	42	682.67	0.40	127.54							
6B	42	682.5	41	682.12	0.41	93.48							
6B	41	681.95	40	681.43	0.40	131							
6B	40	678.26	STUB	675.5	3.95	69.79							
6B	61	687.3	60	684.67	1.36	193.19							
6B	60	684.5	59	683.42	0.99	109							
6B	59	683.25	58	682.76	0.40	122.54							
6B	58	682.59	57	682.22	0.40	93.47							
6B	57	682.05	56	681.51	0.41	131.01							
6B	56	681.34	56A	681.2	0.42	33.64							
6B	62	687.72	63	686.87	1.21	70.67							
6B	63	686.7	64	685.63	1.50	71							
6B/7B	64	685.16	68	682.62	1.74		146						
6B/7B	89	685.95	96	683.84	4.45	47.37							
7B	65	685.88	66	685.17	3.88	23.45							
7B	66	684.8	67	684.08	1.45	49.63							
SUBTOTAL						**3272.2**	**926.8**	**198.02**	**0**	**545.79**	**0**	**205.04**	**0**

STORM DRAINAGE PIPES

SHEET NO.	FROM		TO		% GRADE	REINFORCED CONC. PIPE - CLASS III SIZE & LENGTH (L.F.)							RIP-RAP 709-05.06 (TON)
	CODE	OUTLET ELEV.	CODE	INLET ELEV.		18"	24"	30"	36"	42"	60"	*HORIZONTAL OVAL PIPE	
7B	67	683.91	68	682.62	2.70	48.25							
7B	68	682.25	69	680.86	0.96		166						
7B	69	680.69	70	679.91	1.03		76						
7B	70	679.74	71	679.21	0.41		129.03						
7B	71	679.04	72	678.63	0.40		101.99						
7B	72	678.46	73	678.05	0.40		103						
7B	73	677.88	74	677.44	0.40		110						
7B	74	677.27	75	676.84	0.40		108						
7B	75	676.67	76	676.14	0.40		133						
7B	76	673.27	STUB	672.54	3.56		20.37						
7B/8B	79	678.11	78	677.82	0.40	72.42							
7B	78	677.65	77	677.34	0.59	53.58							
7B	77	675.16	STUB	672.5	10.00	26.62							
7B	92	684.3	93	684.18	0.40	30.06							
7B	93	684.01	94	683.77	0.39	60.86							
7B	94	683.6	96	683.51	0.40	23.57							
7B	95	684.61	92	684.47	0.41	38.91							
7B	96	683.34	97	683.03	0.40	76.9							
7B	90	685.08	96	683.54	6.63	23.21							
7B	97	682.86	98	682.34	0.66	78.26							
7B	98	682.17	99	681.33	2.65	31.64							
7B	99	681.16	101	680.83	0.54		61						
7B	100	681.78	101	681.65	0.22							54.41	
7B	101	680.66	103	679.48	1.63		71						
7B	103	679.31	105	678.64	0.52							128.02	
7B	104	680	107	679.46	9.63	5.61							
7B	105	678.47	107	678.07	0.40							99.99	
7B	107	677.57	109	677.17	0.40				101				
7B	108	679.71	109	679.17	10.66	5.07							
7B	109	677	110	676.55	0.40				111				
7B	110	676.38	111	675.95	0.40				107				
7B	111A	676	111	675.95	0.55	9.17							
7B	111	675.78	112	675.27	0.40				129				
7B	112	674.33	STUB	672.5	10.00				18.26				
7B/8B	115	678.29	114	677.55	1.01	73.42							
7B	114	677.55	113	675.48	4.02	51.58							
7B	113	674.97	STUB	672.5	10.00	24.74							
8B	118	690.7	117	688.87	0.86	214							
8B	117	688.7	116	680.9	3.21	243							
8B	116	680.9	115	678.46	1.26	193							
8B	82	695.03	81	688.86	2.86	216							
8B	81	688.69	80	681.09	3.12	244							
8B	80	680.92	79	678.28	1.37	192							
8B	83	694.98	84	692.71	1.85	122.95							
8B/9B	84	692.54	85	687.03	2.20	250.99							
8B	119	695.1	120	694.4	1.47	47.74							
8B	120	694.35	123	694.09	0.59	45.11							
	STUB	693.83	123	693.48	3.84	9.12							
8B	123	690.63	124	690.41	0.75		29.07						
8B/9B	124	690.41	125	686.72	1.43		259.07						
8B/9B	125	686.55	127	685.04	2.12		71.02						
8B/9B	85	686.86	86	684.76	1.44	146.03							
9B	86	684.59	87	684	0.41	143.94							
9B	87	683.83	146	683.21	0.40	151.56							
9B	148	684.01	147	683.74	0.40	66.99							
9B	147	683.57	146	683.25	0.41	78.78							
9B	146	678.07	STUB	677.27	0.48		166.73						
9B	145	684.3	144	684.15	0.39	38.84							
9B	144	683.98	143	683.71	0.40	67.16							
9B	143	683.54	141	683.36	0.39	46							
9B	141	683.19	140	682.97	0.39	56							
9B	142	684.49	141	684.38	0.40	28.22							
9B	140	680.12	146	679.87	0.42					59.42			
SUBTOTAL						**3335.3**	**1605.3**	**0**	**466.26**	**59.42**	**0**	**282.42**	**0**

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	2E3

R.O.W.

PLANS

SEALED BY

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TABULATED QUANTITIES

BARGE DESIGN SOLUTIONS

11/12/2024
$TIME$
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STORM DRAINAGE PIPES

SHEET NO.	FROM CODE	FROM OUTLET ELEV.	TO CODE	TO INLET ELEV.	% GRADE	REINFORCED CONC. PIPE - CLASS III SIZE & LENGTH (L.F.) 18"	24"	30"	36"	42"	60"	*HORIZONTAL OVAL PIPE	RIP-RAP 709-05.06 (TON)
9B	126	684.98	127	684.87	1.38		8.13						
9B	127	684.87	128	684.78	0.40		22.77						
9B	128	684.78	130	682.71	6.23		33.25						
9B	129	683.88	130	682.96	3.51	26.21							
9B	130	682.21	131	682.06	0.40				37				
9B	131	681.89	132	681.79	0.40				24.48				
9B	132	681.79	133	681.69	0.40				24.52				
9B	133	681.69	134	681.65	0.40				11				
9B	134	681.65	135	681.58	0.40				16.94				
9B	135	681.41	136	681.33	0.40				19.06				
9B	136	681.16	139	681.02	0.40				35.73				
9B	138	682.37	139	682.27	0.38			26.59					
9B	139	680.52	140	680.29	0.40					57.27			
9B	149	684.78	150	684.64	0.40	35.91							
9B	150	684.47	159	684.41	0.40	16.24							
9B	158	685.02	159	684.8	0.40	55.08							
9B	158A	687.46	158	685.39	6.43	32.22							
9B	163A	687.23	163	684.99	6.65	33.78							
9B	159	682.79	160	682.19	0.40							107	
9B	161	677.48	160	677.22	0.40				64.74				
9B	160	677.05	179	676.63	0.40							105.55	
9B	179	676.46	181	676.01	0.40							111.91	
9B	178	681.59	180	679.69	4.43	42.9							
9B	180	679.41	179	679.3	0.38	29.13							
9B	182	676.82	181	676.66	0.40							40.17	
9B	182A	677.33	182	676.99	9.42							3.64	
9B	181	675.84	183	675.4	0.39							112.26	
9B	183A	677.65	183	677.48	0.77	21.98							
9B	183	675.23	184	674.8	0.37							115.03	
9B	184A	675.32	184	674.9	0.40							104.61	
9B	184	674.63	184B	674.59	0.40							9.09	
9B	162	684.59	163	684.4	0.40	49							
9B	163	684.23	164	684.03	0.42	48.12							
9B	164	677.98	161	677.65	0.40				82.06				
9B	177	680.4	176	680.12	0.40				71.09				
9B	176	679.95	175	679.79	0.57				28.41				
9B	175	679.62	174	679.47	0.30				49				
9B	174	679.3	173	679.07	0.40				58.28				
9B	173	678.9	168	678.74	0.40				40.75				
9B	168	678.57	164	678.15	0.40				105.09				
9B	172	684.71	171	684.48	0.40							57	
9B	171	684.31	170	684.13	0.49							36.5	
9B	170	683.96	169	683.61	0.70							50.5	
9B	169	683.44	168	683.21	0.40							57	
9B	166	682.34	165	681.84	2.17	23.08							
9B	165	681.67	165A	681.47	0.28	68.96							
9B	169A	685.86	169	684.03	10.00							18.26	
9B	170A	687.98	170	684.55	10.00							34.23	
9B	171A	688.39	171	685.03	10.00							33.58	
10B	EX. CULVERT	700.58	151	685.21	11.08	138.7							
10B	152A	688.45	152	684.59	33.03			11.69					
10B	151	685.04	152	684.87	0.31	55.08							
10B	152	684.2	155	683.7	0.30			167.8					
10B	153	686.45	155	686.23	0.40	55.08							
10B	154	686.45	155	686.37	0.40	18.73							
10B	155	683.53	157	683.4	0.40			33					
10B	156	686.03	157	685.81	0.40	55.08							
10B	157	683.23	159	682.79	0.40			111					
SUBTOTAL						**805.28**	**64.15**	**350.08**	**668.15**	**57.27**	**0**	**996.33**	**0**
TOTALS						**7412.8**	**2596.2**	**548.1**	**1134.4**	**662.48**	**0**	**1483.79**	**0**

*HORIZONTAL OVAL PIPE DIMENSIONS SHOWN IN PLANS

STORM DRAINAGE ENDWALLS

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	STRUCTURE TYPE	STANDARD DRAWING	CLASS A CONC. 611-07.01 (C.Y.)	REINF. STEEL 611-07.02 (LB.)	STRUC. STEEL 611-07.03 (LB.)
4B	HILLVIEW	101+40.00	-59.42	10A	EW				
5B	COLUMBIA	25+62.50	55.6	16A	EW				
6B	COLUMBIA	32+02.64	53.64	56A	EW				
9B	JAMES	206+73.23	17.94	165A	EW				
4B	COLUMBIA	16+38.55	88.57	6A	HW				
4B	HILLVIEW	102+23.00	38.01	10B	HW				
5B	COLUMBIA	21+67.56	-56.26	22A	HW				
5B	COLUMBIA	22+33.11	-72.50	24A	HW				
5B	COLUMBIA	27+26.29	47.38	18A	HW				
5B	COLUMBIA	26+86.09	-77.50	34A	HW				
5B	SOUTHEAST	132+90.00	30.61	52C	HW				
5B	COLUMBIA	22+43.62	-81.75	30A	HW				
7B	COLUMBIA	52+65.00	-45.00	111A	HW				
9B	NEWROAD	197+37.35	-20.13	182A	HW				
9B	COLUMBIA	77+54.46	-38.57	163A	HW				
9B	DOWNS	191+95.97	-37.10	158A	HW				
9B	COLUMBIA	78+96.29	40.60	169A	HW				
9B	COLUMBIA	79+71.85	51.06	170A	HW				
9B	COLUMBIA	80+07.04	50.90	171A	HW				
9B	NEWROAD	198+91.56	-37.71	183A	HW				
9B	NEWROAD	199+44.66	55.30	184A	HW				
9B	NEWROAD	200+04.49	-51.01	184B	HW				
9B	DOWNS	188+93.08	42.07	152A	HW				
9B	COLUMBIA	69+81.00	-203.11	129A	HW				
TOTALS							**0**	**0**	**0**

PROPOSED GUARDRAIL

SHEET NO.	LOCATION	SIDE LT	SIDE RT	STATION FROM	STATION TO	GUARDRAIL SINGLE TYPE 2 705-06.01 (L.F.)	GUARDRAIL TYPE 38 705-04.07 (EACH)	REMARKS
4B	COLUMBIA	X		7+53.12	14+15.05	661.93	2	
TOTALS						**661.93**	**2**	

R.O.W. MARKERS

SHEET NO.	QUANTITIES "A"	"B"	"C"	TOTALS
4A			2	**2**
5A	3	8	16	**27**
6A	6	2	11	**19**
7A	4	6	10	**20**
8A	1		10	**11**
9A	6	3	20	**29**
10A		2	1	**3**
TOTALS	**20**	**21**	**70**	**111**

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	2E4

R.O.W.

PLANS

SEALED BY

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TABULATED QUANTITIES

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	3

RIGHT-OF-WAY

(1) IT IS INTENDED THAT ALL BUILDINGS AND/OR PORTIONS OF BUILDINGS THAT ARE WITHIN THE PROPOSED RIGHT-OF-WAY AND/OR EASEMENT LINES FOR THE PROJECT BE REMOVED THERE FROM IN THE PROCESS OF RIGHT-OF-WAY ACQUISITION. IF ANY SUCH BUILDINGS OR IMPROVEMENTS ARE NOT REMOVED IN THE COURSE OF RIGHT-OF-WAY ACQUISITION, CITY OF FRANKLIN TO BE NOTIFIED IN SUFFICIENT TIME TO PERMIT HAVING SUCH REMOVALS DESIGNATED AS A PART OF THE CONSTRUCTION CONTRACT.

(2) ALL RAMPS MUST CONFORM TO THE DEPARTMENT'S "POLICY ON FINANCING CONSTRUCTION OF PUBLIC ROAD INTERSECTIONS AND DRIVEWAYS ON HIGHWAY RESURFACING, RECONSTRUCTION AND CONSTRUCTION PROJECTS ON NEW LOCATIONS", THE MANUAL ON RULES AND REGULATIONS FOR CONSTRUCTING DRIVEWAYS ON STATE HIGHWAY RIGHT-OF-WAY, STANDARD DRAWING RP-R-1, AND OTHER ACCEPTED DESIGN AND SAFETY STANDARDS.

(3) EXISTING PAVED DRIVEWAY PER TRACT REMAINDER WILL BE REPLACED IN KIND TO A TOUCHDOWN POINT.

(4) WHERE THE EXISTING DRIVEWAY IS UNPAVED AND THE PROPOSED DRIVEWAY EXCEEDS 7 PERCENT IN GRADE, EACH DRIVEWAY WILL BE PAVED TO A TOUCHDOWN POINT OR UNTIL THE GRADE IS LESS THAN 7 PERCENT.

(5) WHERE THE EXISTING DRIVEWAY IS UNPAVED AND THE PROPOSED DRIVEWAY IS LESS THAN 7 PERCENT IN GRADE, EACH DRIVEWAY WILL BE PAVED A SHOULDER WIDTH FROM THE EDGE OF PAVEMENT AND THE REMAINDER OF THAT DRIVEWAY REPLACED IN KIND TO A TOUCHDOWN POINT.

(6) ANY NECESSARY PAVING OF DRIVEWAYS WILL BE DONE DURING PAVING OPERATIONS ON THE MAIN ROADWAY.

(7) TRACT REMAINDERS NOT HAVING AN EXISTING DRIVEWAY WILL BE PROVIDED ONE 50-FOOT OPENING IN THE ACCESS CONTROL FENCE AND A DRIVEWAY WILL BE CONSTRUCTED UNLESS ACCESS IS PROVIDED FROM AN INTERSECTING ROAD OR BASED ON PHYSICAL CONDITIONS AND/OR CONFLICTS WITH OTHER DESIGN CONSIDERATIONS WHICH PREVENT AN ACCESS OPENING. PAVING OF THESE NEW DRIVEWAYS WILL BE IN ACCORDANCE TO THE 7 PERCENT CRITERIA PREVIOUSLY MENTIONED FOR EXISTING DRIVEWAYS.

(8) NEW DRIVEWAYS PROVIDED IN THE PLANS WILL BE PAVED BASED ON THE 7 PERCENT CRITERIA. THOSE 7 PERCENT OR STEEPER IN GRADE WILL BE PAVED AND THOSE FLATTER THAN 7 PERCENT WILL BE COVERED WITH BASE STONE.

(9) ON PROJECTS WITHOUT CURB AND GUTTER THAT ARE ON STATE ROUTES, IT WILL BE THE RESPONSIBILITY OF THE OWNER TO SECURE A PERMIT AND TO CONSTRUCT ADDITIONAL DRIVEWAYS AND FIELD ENTRANCES OTHER THAN THOSE PROVIDED IN THE PLANS.

(10) ON PROJECTS WITH CURB AND GUTTER THAT ARE ON STATE ROUTES, IT WILL BE THE RESPONSIBILITY OF THE OWNER TO SECURE A PERMIT. AFTER THE PERMIT HAS BEEN GRANTED, THE CONTRACTOR WILL CONSTRUCT THE DRIVEWAY OR FIELD ENTRANCE THROUGH THE CURB AND SIDEWALK, PROVIDED THE CURB AND SIDEWALK HAVE NOT BEEN CONSTRUCTED. IT WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER TO CONSTRUCT THE DRIVEWAY OR FIELD ENTRANCE FROM BACK OF SIDEWALK TO TOUCHDOWN POINT FOR ANY ADDITIONAL DRIVEWAYS OR FIELD ENTRANCES OTHER THAN THOSE PROVIDED IN THE PLANS.

(11) ON NON-STATE ROUTES, ADDITIONAL DRIVEWAYS AND FIELD ENTRANCES OTHER THAN THOSE PROVIDED IN THE PLANS SHALL REQUIRE A PERMIT ONLY IF THE LOCAL AGENCY SPECIFIES THE NEED FOR THAT PERMIT.

UTILITIES

(1) THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. ABOVE GRADE AND UNDERGROUND UTILITIES SHOWN WERE TAKEN FROM VISIBLE APPURTENANCES AT THE SITE, PUBLIC RECORDS, AND/OR MAPS PREPARED BY OTHERS. THEREFORE, RELIANCE UPON THE TYPE, SIZE, AND LOCATION OF UTILITIES SHOWN SHOULD BE DONE SO WITH THIS CIRCUMSTANCE CONSIDERED. DETAILED VERIFICATION OF EXISTENCE, LOCATION, AND DEPTH SHOULD ALSO BE MADE PRIOR TO ANY DECISION RELATIVE THERETO IS MADE. AVAILABILITY AND COST OF SERVICE SHOULD BE CONFIRMED WITH THE APPROPRIATE UTILITY COMPANY. IN TENNESSEE, IT IS A REQUIREMENT, PER "THE UNDERGROUND UTILITY DAMAGE PREVENTION ACT", THAT ANYONE WHO ENGAGES IN EXCAVATION MUST NOTIFY ALL KNOWN UNDERGROUND UTILITY OWNERS, NO LESS THAN THREE (3) OR NOT MORE THAN TEN (10) WORKING DAYS PRIOR TO THE DATE OF THEIR INTENT TO EXCAVATE AND ALSO TO AVOID ANY POSSIBLE HAZARD OR CONFLICT. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC., AT 1-800-351-1111 AS REQUIRED BY TCA 65-31-106 WILL BE REQUIRED.

(2) UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR ITS REPRESENTATIVE. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT. ON CONTRACTS WHERE CONSTRUCTION STAKES, LINES, AND GRADES ARE CONTRACT ITEMS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE RIGHT-OF-WAY OR SLOPE STAKES, DITCH OR STREAM BED GRADES, OR OTHER ESSENTIAL SURVEY STAKING TO PREVENT CONFLICTS WITH THE HIGHWAY CONSTRUCTION. FREQUENTLY, THIS WILL BE REQUIRED AS THE FIRST ITEM OF WORK AND AT ANY LOCATION ON THE PROJECT DIRECTED BY THE ENGINEER.

(3) THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.

(4) PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED 'AROUND' UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS. ADVANCE CLEAR CUTTING MAY BE REQUIRED BY THE ENGINEER AT ANY LOCATION WHERE CLEARING IS CALLED FOR IN THE SPECIFICATIONS AND CLEAR CUTTING IS NECESSARY FOR A UTILITY RELOCATION. ANY ADDITIONAL COST WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE CLEARING ITEM SPECIFIED IN THE PLANS.

(5) THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY IN ACCORDANCE WITH TCA 65-31-106. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC AT 1-800-331-1111 WILL BE REQUIRED.

UTILITY OWNER

CABLE:
COMCAST
660 Mainstream Drive
Nashville, TN 37228
CONTACT: Chuck Key Jr.
OFFICE PHONE: 615 780 5418
CELL PHONE: 615 218 2307
Email: Charles_keyjr@comcast.com

ELECTRIC:
MTEMC
2156 Bobby Curd Lane
Franklin, TN 37067
CONTACT: Bobby O'Neal
OFFICE PHONE: 615 595 4683
CELL PHONE: ___ ___ ____
Email: bobby.o'neal@mtemc.com

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Franklin, TN 37076
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OFFICE PHONE: 615 771 8369
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Email: Teri.Doss@atmosenergy.com

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WATER MANAGEMENT DIVISION
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CONTACT: Brad Furline
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Evansville, IN 47715
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Email: david.b.dickerson@verizon.com

TELEPHONE:
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R.O.W.

PLANS

SEALED BY

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

RIGHT-OF-WAY
NOTES,
UTILITY NOTES
AND
UTILITY OWNERS

BARGE DESIGN SOLUTIONS

11/12/2024
$TIME$
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F:±36±36291±3629102±04_CAD±TRNS±Plot±3629102_03_ROW Notes.dgn

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REV. 12-16-2021
UPDATED OWNER INFORMATION FOR TRACT 21 AND UPDATED OWNER INFORMATION AND COUNTY RECORD INFORMATION FOR TRACT 35.

REV. 07-29-2024
ADDED PUDE UNDER EASEMENT SECTION TO ACQUISITION TABLE. UPDATED OWNERS NAME AND COUNTY RECORDS FOR TRACT NOS. 7, 8, 21, 27, 28, 29, 35, 36, 39, 40, AND 41. UPDATE AREA ACQUIRED AND AREA REMAINING FOR TRACT NOS. 9, 10, 11, 46, 48, AND 50. UPDATED DRAINAGE EASEMENT FOR TRACT NO. 20. ADDED PROPOSED P.U.D.E. FOR TRACT NOS. 22, 34, 46, 48, AND 50. UPDATED SLOPE EASEMENT FOR TRACT NOS. 1, 7, 8, 10, 11, 13, 18, 20, 36, 42, 45, 46, AND 50. UPDATED CONSTRUCTION EASEMENT FOR TRACT NOS. 1, 7, 8, 9, 10, 11, 13, 14, 17, 18, 20, 21, 22, 29, 30, 31, 32, 33, 34, 36, 42, 43, 44, 45, 46, 47, 49, AND 50. ADDED FOOTNOTE COLUMN TO ACQUISITION TABLE AND FOOTNOTES 1 AND 2.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	3A

REV. 11-15-2024
UPDATED OWNERS NAME TRACT NOS. 6, 9, 10, 11, 12, 14, 18, 29, 30, 34, 36, 37, 42, AND 49.

REV. 01-13-2025
UPDATED FOOTNOTE 1. ADDED FOOTNOTE 1 TO TRACT NOS. 13 AND 18. UPDATED ROW FOR TRACT NOS. 6 AND 9. UPDATED CONSTRUCTION EASEMENT FOR TRACT NO. 13. UPDATED OWNERS NAME FOR TRACT NO. 29.

R.O.W. ACQUISITION TABLE

TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA (ACRES)			AREA TO BE ACQUIRED (ACRES)			AREA REMAINING (ACRES)		EASEMENT (ACRES)				FOOTNOTE
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERMANENT DRAINAGE	PUDE	PERMANENT SLOPE	TEMPORARY CONSTRUCTION	
				BOOK	PAGE													
1	PWU PROPERTIES, LP	90	22	3320	934		80.000	80.000		1770 S.F.	1770 S.F.		79.959			1616 S.F.	0.161	
2	CITY OF FRANKLIN	90	24	1207	880	61.990		61.990				61.990						
3	TSC INDUSTRIES, INC	90	25	802	96	1.830		1.830				1.830						
4	CEMETERY	90	25.01	413	958	1045 S.F.		1045 S.F.				1045 S.F.						
5	TARGET CORPORATION	90	26.07	3108	561	13.400		13.400				13.400						
6	ASHELY OUTLOTS, LLC AND PARKWAY COMMONS LAND ASSOCIATES, LLC	90	26.06	3850	678	1.850		1.850	163 S.F.		163 S.F.	1.846					378 S.F.	
7	PLC TN ASSETS LLC	90	21	8718	620		13.690	13.690		0.121	0.121		13.569			72 S.F.	0.345	
8	PLC TN ASSETS LLC	90	21.01	8718	620		1.570	1.570		559 S.F.	559 S.F.		1.557			3 S.F.	2082 S.F.	
9	ASHELY OUTLOTS, LLC AND PARKWAY COMMONS LAND ASSOCIATES, LLC	90	26.05	3850	678	1.470		1.470	2105 S.F.		2105 S.F.	1.422					2137 S.F.	
10	ASHELY OUTLOTS, LLC AND PARKWAY COMMONS LAND ASSOCIATES, LLC	90	26.04	3850	674	7.890		7.890	1634 S.F.		1634 S.F.	7.852					1964 S.F.	1
11	ASHLEY OUTLOTS, LLC AS A 1/2 UNDIVIDED INTEREST AND PARKWAY COMMONS LAND ASSOCIATES, LLC AS TO A 1/2 UNDIVIDED INTEREST	90	26.03	3850	678	0.850		0.850	236 S.F.		236 S.F.	0.845					498 S.F.	1
12	KROGER LIMITED PARTNERSHIP, I	90	26	3108	565	8.570		8.570				8.570					126 S.F.	
13	NOLAND PROPERTIES INC	90	20.03	1712	918		4.550	4.550		959 S.F.	959 S.F.		4.528			1414 S.F.	2213 S.F.	1
14	PRD OWNER, LLC, A DELEWARE LIMITED LIABILITY CORPORATION	90	26.14	7505	56	1.070		1.070	566 S.F.		566 S.F.	1.057					339 S.F.	1
15	BEL GREENHAVEN, LLC	90	26.15	7327	981	3.230		3.230				3.230						
16	SWHR SHADOW GREEN II, LLC	90	26.17	6366	312	1.360		1.360				1.360						
17	CHICK-FIL-A, INC	90	26.13	4910	509	1.820		1.820	347 S.F.		347 S.F.	1.812				38 S.F.	1314 S.F.	1
18	KEELING COMPANY	90G	1	1937	917		1.900	1.900		546 S.F.	546 S.F.		1.887			493 S.F.	0.132	1
19	SOUTHEAST BUSINESS CENTER	90G	2	711	539		3.160	3.160					3.160					
20	TAYLOR INVESTMENT GROUP, LLC	90G	6	6211	264		1.240	1.240		1147 S.F.	1147 S.F.		1.214	408 S.F.		318 S.F.	3834 S.F.	
21	LITTLETON PINES LLC	90	26.12	8608	447	2.200		2.200				2.200						
22	OLD SOUTH PROPERTIES, INC	90G	6.01	6341	453		0.880	0.880		881 S.F.	881 S.F.		0.860		198 S.F.	96 S.F.	1776 S.F.	2
23	MARY D. WEARY	90G	6.02	6774	33		0.400	0.400					0.400					
24	CIP HOLDINGS, LLC	90G	7	5362	444		0.910	0.910					0.910					
25	JAMES A. PEWITT, TRUSTEE	90G	8	4637	242		0.820	0.820					0.820					
26	B A PROPERTIES, LLC	90G	17	5416	294													
27	COLE ALPHA TRUST	90G	18	9113	456		1.080	1.080					1.080					
28	CUTSFORTH HOLDINGS LLC	90G	19	9300	208		1.020	1.020		421 S.F.	421 S.F.		1.010				288 S.F.	
29	ABBAS ASADSANGABI AND JAVAD RAMEZANIFAR	90G	6	4939	370	0.900		0.900	2458 S.F.		2458 S.F.	0.844				198 S.F.	3266 S.F.	
30	TIMOTHY L. CAMERON, SR., TRUSTEE OF THE TIMOTHY CAMERON JR. FAMILY TRUST U/A/D 12/28/16	90G	5	6973	464	0.330		0.330	624 S.F.		624 S.F.	0.316					648 S.F.	
31	JEFFREY SCOTT DAVIS & MARK ALLEN SWAFFORD	90G	7	1970	610	1.560		1.560	125 S.F.		125 S.F.	1.557					266 S.F.	
32	EARL R. HARRIS JR. & BARBARA G. HARRIS	90G	4	334	189	0.480		0.480	760 S.F.		760 S.F.	0.463					2012 S.F.	
33	FITZ ENTERPRISES, LLC	90G	20	3309	594		0.425	0.425		768 S.F.	768 S.F.		0.407				1841 S.F.	
34	ERNEST K. FAUST AND WIFE, CAROL A. FAUST	90G	3	301	128	0.175		0.175	565 S.F.		565 S.F.	0.162			501 S.F.		1194 S.F.	1, 2
35	GULF RESIDENTIAL PROP LLC	90G	22	7967	294		0.419	0.419		2000 S.F.	2000 S.F.		0.373				137 S.F.	
36	THE GILBERT WELLS THIBEDORE AND RENATA ELIZABETH BLUHM TRUST	90G	2	7708	648	0.228		0.228	655 S.F.		655 S.F.	0.213				72 S.F.	1906 S.F.	1
37	MILTON D. CRUTCHER AND WIFE, BRENDA G. CRUTCHER	90G	19	1071	581	0.350		0.350	16 S.F.		16 S.F.	0.350					15 S.F.	
38	DISCOUNT PLUMBING & ELECTRIC SUPPLY	90G	9	1431	667	0.554		0.554				0.554						
39	LONNY D. HAZELWOOD, SR.	90G	18	1201	838	0.700		0.700				0.700						
40	MMA HOLDINGS LLC	90G	10	8529	262	0.557		0.557				0.557						
41	LEWIS GLASS CO.	90G	16	5759	289	0.350		0.350				0.350						
42	MILTON DALE CRUTCHER AND WIFE, BRENDA GAYLE CRUTCHER	90G	1	842	544	0.470		0.470	735 S.F.		735 S.F.	0.453				38 S.F.	1036 S.F.	
43	DEE RICHARDSON	90G	23	5910	3		1.150	1.150		1108 S.F.	1108 S.F.		1.125			123 S.F.	2587 S.F.	
44	CAMERON PROPERTIES	90G	1.01	3565	107	0.860		0.860	1305 S.F.		1305 S.F.	0.830					1443 S.F.	
45	SUSAN COX FRANKLIN, LLC	90G	10	6074	162		1.550	1.550		1128 S.F.	1128 S.F.		1.524			122 S.F.	0.165	
46	O'REILLY AUTOMOTIVE, INC	90G	2	3084	522		0.840	0.840		969 S.F.	969 S.F.		0.818		1216 S.F.	245 S.F.	2412 S.F.	1, 2
47	CAMERON PROPERTIES	90G	1	1210	950	0.876		0.876	1291 S.F.		1291 S.F.	0.846				66 S.F.	2403 S.F.	1
48	THE CITY OF FRANKLIN	90	9	5444	425		15.810	15.810		990 S.F.	990 S.F.		15.787		256 S.F.			1, 2
49	CENTURY PLACE, LLC	90G	29	3457	450	1.459		1.459	1824 S.F.		1824 S.F.	1.417				104 S.F.	2878 S.F.	1
50	CHEROKEE LUMBER, LLC	90G	1	7048	191		1.440	1.440		1373 S.F.	1373 S.F.		1.408		1127 S.F.	5 S.F.	1813 S.F.	1, 2

FOOTNOTES
1 TRACT INCLUDES ROW AND/OR EASEMENTS FOR THE CITY OF FRANKLIN. SEE SHEET 3C FOR MORE INFORMATION. IF TRACT DOES NOT HAVE FOOTNOTE 1, THEN ALL THE ACQUISITON IS FOR THE STATE OF TENNESSEE.
2 TRACT HAS PERMANENT DRAINAGE AND UTILITY EASEMENT (PUDE). THIS EASEMENT IS TO BE ACQUIRED BY THE CITY OF FRANKLIN.

R.O.W.

PLANS

SEALED BY

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

RIGHT-OF-WAY ACQUISITION TABLE

BARGE DESIGN SOLUTIONS

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REV. 12-16-2021
UPDATED COUNTY RECORD INFORMATION FOR TRACT 56 AND TRACT 60. UPDATED OWNER INFORMATION AND COUNTY RECORD INFORMATION FOR TRACT 57, TRACT 59, TRACT 82, TRACT 83, AND TRACT 92. COMBINED TRACT 87 AND TRACT 89 AND UPDATED COUNTY RECORD INFORMATION. UPDATED EASEMENTS FOR TRACT 84 AND TRACT 87.

REV. 07-29-2024
ADDED PUDE UNDER EASEMENT SECTION TO ACQUISITION TABLE. UPDATED THE DISTURBED AREA TABLE. UPDATED OWNER NAMES AND COUNTY RECORDS FOR TRACT NOS. 57, 58, 59, 62, 65, 67, 69, 72, 75, 78, 80, 82, 83, 84, 88, 92, AND 102. UPDATED COUNTY RECORDS FOR TRACT NO. 60. UPDATED AREA TO BE ACQUIRED AND AREA REMAINING FOR TRACT NOS. 82, 86, AND 87. UPDATED PERMANENT DRAINAGE EASEMENT FOR TRACT NOS. 84 AND 85. UPDATED SLOPE EASEMENT FOR TRACT NOS. 56, 57, 58, 59, 60, 76, 82, 84, 85, 86, 87, 90, AND 91. UPDATED CONSTRUCTION EASEMENT FOR TRACT NOS. 56, 58, 59, 62, 64, 74, 75, 76, 77, 82, 84, 85, 86, 87, 90, 91, 92, AND 93. ADDED FOOTNOTE COLUMN TO ACQUISITION TABLE AND FOOTNOTES 1 AND 2.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	3B

REV. 11-15-2024
UPDATED OWNER NAMES TRACT NOS. 62, 71, 82, AND 102.

REV. 01-13-2025
UPDATED FOOTNOTE 1. ADDED FOOTNOTE 1 TO TRACT NO. 88. UPDATED CONSTRUCTION EASEMENT FOR TRACT NOS. 87 AND 91.

R.O.W. ACQUISITION TABLE

TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA (ACRES)			AREA TO BE ACQUIRED (ACRES)			AREA REMAINING (ACRES)		EASEMENT (ACRES)				FOOTNOTE
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERMANENT DRAINAGE	PUDE	PERMANENT SLOPE	TEMPORARY CONSTRUCTION	
				BOOK	PAGE													
51	FRANKLIN KUBOTA INC.	90G	1.02	492	320	0.841		0.841				0.841						
52	C & M PROPERTIES	90G	28	764	218	1.109		1.109				1.109						
53	FRANKLIN KUBOTA INC.	90G	2	550	604	0.715		0.715				0.715						
54	C & M HEATING & COOLING, INC.	90G	28.01	457	231	1.409		1.409				1.409						
55	DON R. CAMERON, ETAL	90G	3	1500	18	0.701		0.701				0.701						
56	ROLLING HILLS COMMUNITY CHURCH, INC.	90	6	7802	476	11.860		11.860	0.126		0.126	11.734				22 S.F.	2959 S.F.	
57	AGNL BLADE LP	90	9.01	7005	255		12.030	12.030		1531 S.F.	1531 S.F.		11.995			374 S.F.	1244 S.F.	
58	FRANKLIN 240 LLC	90	7.01	6709	270	7.960		7.960	0.179		0.179	7.781		680 S.F.		1081 S.F.	0.198	1
59	AGNL BLADE LP	90	8	7005	255		64.540	64.540		0.317	0.317		64.223	680 S.F.		3800 S.F.	0.502	1
60	ROLLING HILLS COMMUNITY CHURCH, INC.	90	6	7802	476	27.390		27.390	0.120		0.120	27.270				747 S.F.	3997 S.F.	
61	CVHC6, LLC	90	6.11	6683	557	0.790		0.790				0.790						
62	FARHAD DAVACHI AND MEHRNOOSH DAVACHI	90C	15.01	8547	790		0.478	0.478		1952 S.F.	1952 S.F.		0.433				2254 S.F.	1
63	CVHC6, LLC	90	6.08	6683	557	1.480		1.480	245 S.F.		245 S.F.	1.474						1
64	CONRAD ASSOCIATES, L.P.	90C	14.01	3165	483		0.939	0.939		236 S.F.	236 S.F.		0.934			340 S.F.	1536 S.F.	1
65	BEARD DALLAS	90C	15	8821	25		0.208	0.208					0.208					
66	MCCLAIN ROSE	90C	14	1989	317		0.394	0.394					0.394					
67	JONES WILLIAM H ETAL	90C	16	8031	178		0.506	0.506					0.506					
68	RICHARD HORN & VIRGINIA LEE STORY	90C	13	3470	775													
69	ERWIN ALBERT S JR	90C	17	8870	234													
70	DONNY R. HORTON & BETTY K. HORTON	90C	18	1281	745													
71	CORNERSTONE FINANCIAL CREDIT UNION, INC.	90	6.07	7113	70	1.500		1.500	304 S.F.		304 S.F.	1.493						1
72	FRANKLIN 240 LLC	90	6.1	6705	935													
73	MSP FRANKLIN, LLC	90	6.06	7645	53	3.320		3.320				3.320						
74	DEBORAH K. MOODY	78	42	5758	354	2.240		2.240	3000 S.F.		3000 S.F.	2.171					3197 S.F.	
75	WNR31-FRANKLIN LLC	90C	8	8701	394		1.010	1.010					1.010					
76	BUTLER VENTURES, LLC	90C	5	6366	728		4.160	4.160		0.213	0.213		3.947	2994 S.F.		432 S.F.	0.172	1
77	WILLIAMSON COUNTY	78	40	2835	468	3.400		3.400	2935 S.F.		2935 S.F.	3.333					3460 S.F.	
78	MEGAN LANE GAUTSCHE	90C	5.01	8832	649		0.815	0.815					0.815					
79	CAMERON PROPERTIES	90C	8.01	1834	254		0.611	0.611					0.611					
80	CARR AVE LLC	90C	4	9435	184													
81	CAMERON PROPERTIES	90C	9	1834	254		0.601	0.601					0.601					
82	STOKES REAL ESTATE	90C	7	6671	285		0.807	0.807		2411 S.F.	2411 S.F.		0.752	635 S.F.		24 S.F.	0.130	1
83	1552 FRANKLIN LLC	78	39	8045	915	0.900		0.900	3429 S.F.		3429 S.F.	0.821					858 S.F.	
84	203 DOWNS AVE LLC	78	37	9026	599	4.000		4.000	0.125		0.125	3.875		285 S.F.		1768 S.F.	0.161	1
85	GERALD W. ROBESON & GENETTE C. ROBESON, CO-TRUSTEES	78N	11	7600	761		4.430	4.430		0.574	0.574		3.856	250 S.F.		746 S.F.	0.107	1
86	CAMERON PROPERTIES	78N	1	1440	78		0.916	0.916		0.116	0.116		0.800			372 S.F.	0.103	1
87	WELTON INVESTMENTS, LLC	78O	20	6735	334	2.347		2.347	0.105		0.105	2.242				258 S.F.	2450 S.F.	1
88	DOWNS PARTNERS LLC	78	35	8445	285	2.460		2.460				2.460					118 S.F.	1
90	HYUN T. SHIN & CHANG SUG CHIN	78N	19	5520	869		0.394	0.394		955 S.F.	955 S.F.		0.372			14 S.F.	2275 S.F.	1
91	WELTON INVESTMENTS, LLC	78O	19	1843	225	2.390		2.390	815 S.F.		815 S.F.	2.371				14 S.F.	2608 S.F.	
92	CAMERON RENTALS LLC	78N	20	8354	645		0.853	0.853		385 S.F.	385 S.F.		0.844				3219 S.F.	
93	WELTON INVESTMENTS, LLC	78O	18	2854	314		0.686	0.686					0.686				219 S.F.	
94	BRIDGES OF WILLIAMSON COUNTY	78N	21	3403	620													
102	KARLA B. ROOS	78N	2	8981	222		0.393	0.393		123 S.F.	123 S.F.		0.390			176 S.F.	448 S.F.	1
ACQUISITION TOTALS (ACRES)									**3.10**					**0.14**	**0.00**	**0.35**	**3.86**	

FOOTNOTES
1 TRACT INCLUDES ROW AND/OR EASEMENTS FOR THE CITY OF FRANKLIN. SEE SHEET 3C FOR MORE INFORMATION. IF TRACT DOES NOT HAVE FOOTNOTE 1, THEN ALL THE ACQUISITON IS FOR THE STATE OF TENNESSEE.
2 TRACT HAS PERMANENT DRAINAGE AND UTILITY EASEMENT (PUDE). THIS EASEMENT IS TO BE ACQUIRED BY THE CITY OF FRANKLIN.

DISTURBED AREA		
IN BETWEEN SLOPE LINES	19.740	(AC)
15 FOOT WIDE STRIP (OUT SIDE SLOPE LINES)	8.490	(AC)
TOTAL DISTURBED AREA	28.230	(AC)

R.O.W. PLANS

SEALED BY

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

RIGHT-OF-WAY ACQUISITION TABLE

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	3C

REV. 07-29-2024
ADDED SHEET 3C.

STATE AND CITY R.O.W. ACQUISITION TABLE

TRACT NO.	AREA TO BE ACQUIRED (ACRES)		PERMANENT DRAINAGE EASEMENT (ACRES)		PUDE		PERMANENT SLOPE EASEMENT (ACRES)	
	STATE OF TENNESSEE	CITY OF FRANKLIN	STATE OF TENNESSEE	CITY OF FRANKLIN	STATE OF TENNESSEE	CITY OF FRANKLIN	STATE OF TENNESSEE	CITY OF FRANKLIN
10		1634 S.F.						
11		236 S.F.						
14	377 S.F.	190 S.F.						
17		347 S.F.					22 S.F.	16 S.F.
22						198 S.F.		
34	190 S.F.	375 S.F.				501 S.F.		
36	256 S.F.	400 S.F.					12 S.F.	60 S.F.
46	645 S.F.	325 S.F.				1216 S.F.	131 S.F.	114 S.F.
47	1186 S.F.	106 S.F.						66 S.F.
48	240 S.F.	750 S.F.				256 S.F.		
49	1451 S.F.	374 S.F.						104 S.F.
50	1084 S.F.	290 S.F.				1127 S.F.		
58	0.143	1567 S.F.						
59	0.248	3020 S.F.						
62	1463 S.F.	490 S.F.						
63		246 S.F.						
64		237 S.F.						340 S.F.
71		305 S.F.						
76	2265 S.F.	0.162	2155 S.F.	839 S.F.				432 S.F.
82	1197 S.F.	1215 S.F.		635 S.F.				24 S.F.
84	1928 S.F.	3506 S.F.		285 S.F.				1768 S.F.
85	276 S.F.	0.568		250 S.F.				746 S.F.
86	481 S.F.	0.106						372 S.F.
87	1435 S.F.	3141 S.F.						
90	218 S.F.	737 S.F.						
102		123 S.F.						176 S.F.

1. THE PURPOSE OF THIS TABLE IS TO:
   A. SHOW TRACTS THAT HAVE ACREAGE TO BE ACQUIRED BY THE STATE OF TENNESSEE AND ACREAGE TO BE ACQUIRED THE CITY OF FRANKLIN.
   B. SHOW TRACTS THAT HAVE ACREAGE TO AQUIRED BY ONLY THE CITY OF FRANKLIN.

R.O.W.

PLANS

SEALED BY

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

RIGHT-OF-WAY ACQUISITION TABLE

BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
$INSTR$
$USER$
TBL

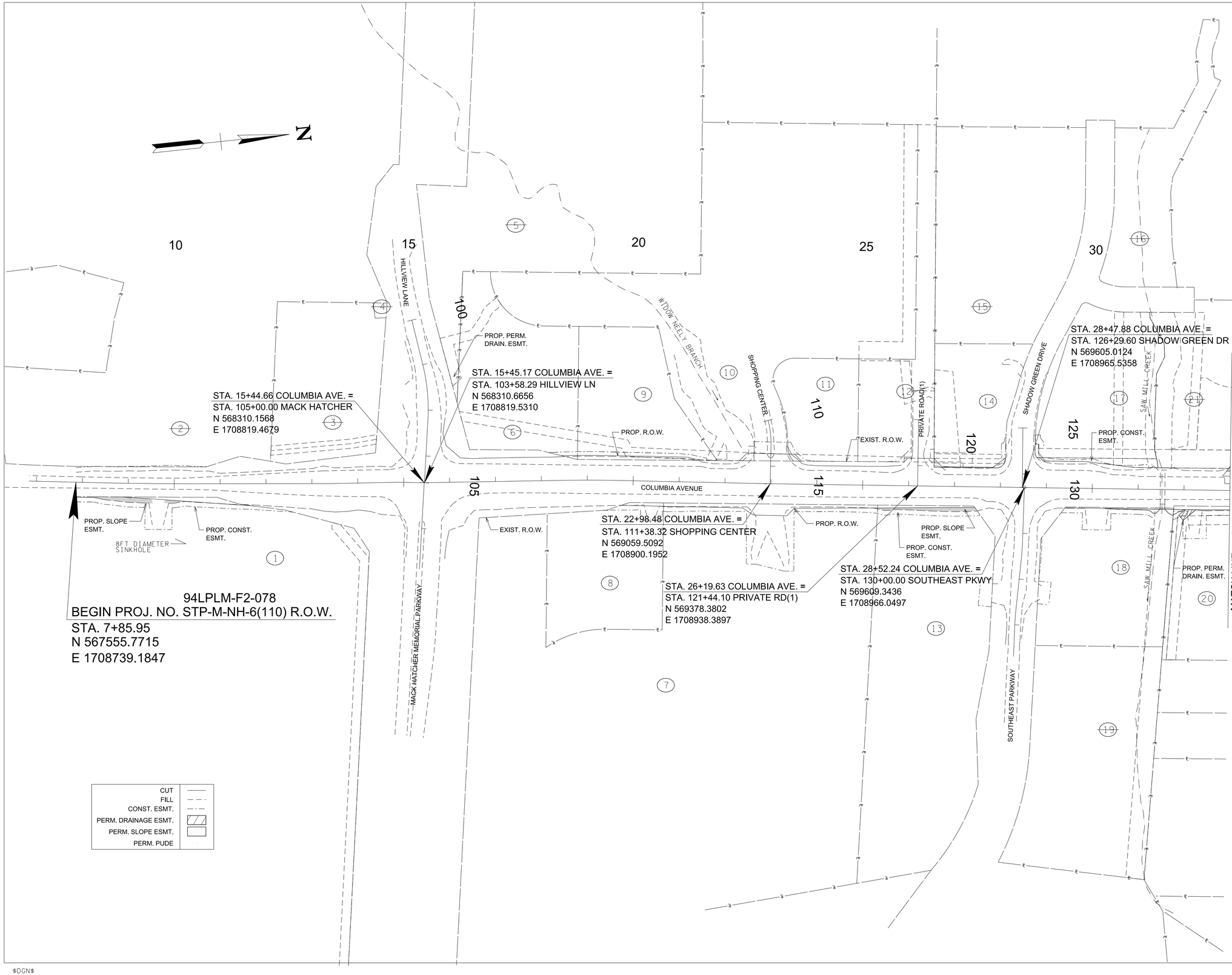
DGN

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	3D

REV. 07-29-2024
UPDATED PROP. R.O.W. FOR TRACT NOS. 9, 10, AND 11. UPDATED DRAINAGE EASEMENT FOR TRACT NO. 20. UPDATED SLOPE EASEMENT FOR TRACT NOS. 1, 7, 8, 10, 11, 13, 18, AND 20. UPDATED CONSTRUCTION EASEMENT FOR TRACT NOS. 1, 7, 8, 9, 10, 11, 13, 14, 17, 18, 20, AND 21. UPDATED SHEET NUMBER TO 3D.

REV. 01-13-2025
STRUCK THROUGH TRACT NO. 21.



R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPERTY MAP

7+85.95 TO STA. 33+00
SCALE: 1"=100'

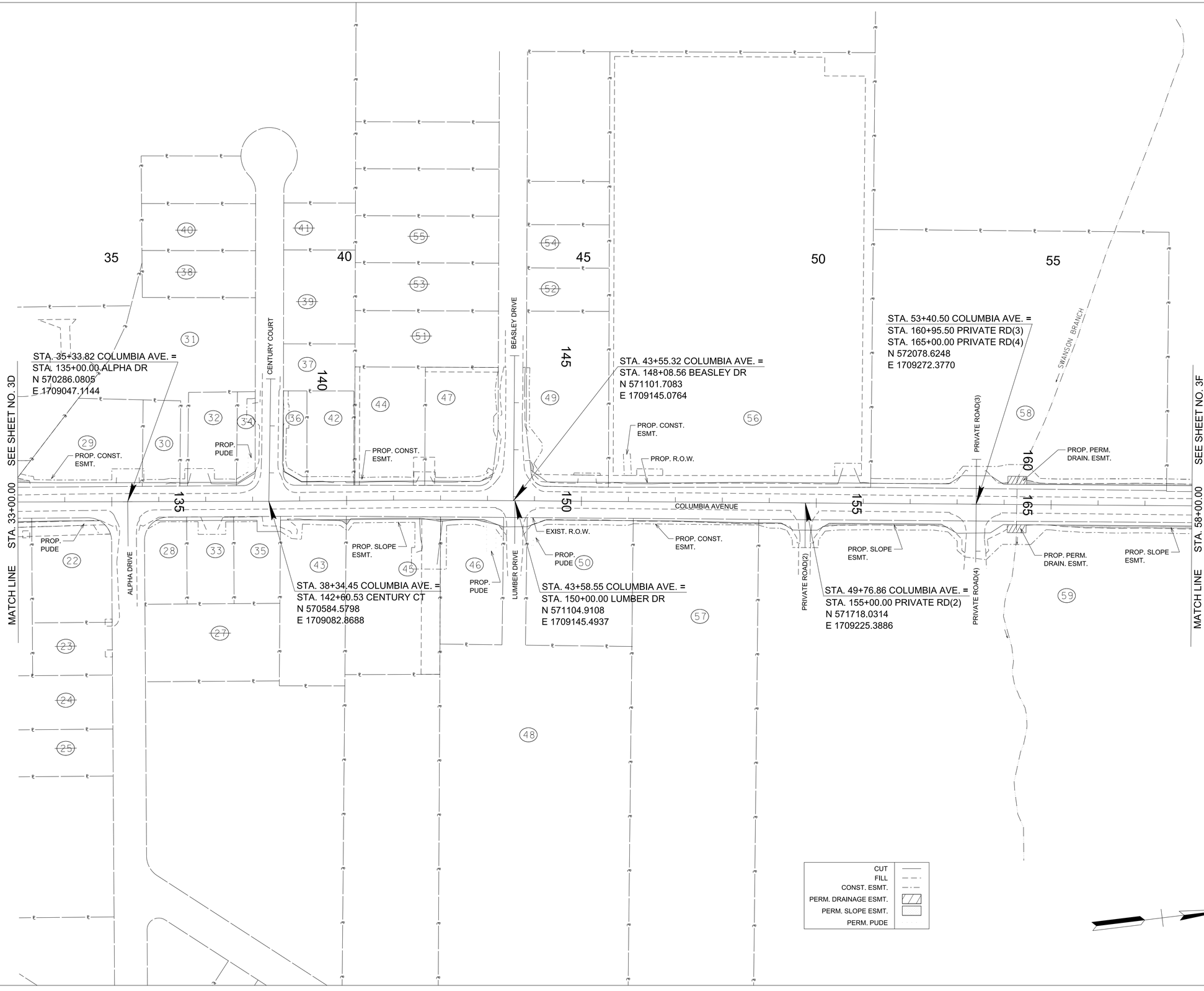
BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
$INSTR$
$USER$
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DGN

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	3E

REV. 07-29-2024
ADDED PROP. PUDE EASEMENTS TO TRACT NOS. 22, 34, 46, 48, AND 50. UPDATED PROP. R.O.W. FOR TRACT NOS. 46, 48, AND 50. UPDATED SLOPE EASEMENT FOR TRACT NOS. 36, 42, 45, 46, 50, 56, 57, 58, AND 59. UPDATED CONSTRUCTION EASEMENT FOR TRACT NOS. 22, 29, 30, 31, 32, 33, 34, 36, 42, 43, 44, 45, 46, 47, 49, 50, 56, 58, AND 59. UPDATED SHEET NUMBER TO 3E.



R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPERTY MAP

STA. 33+00 TO STA. 58+00
SCALE: 1"=100'

BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
$INSTR$
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DGN

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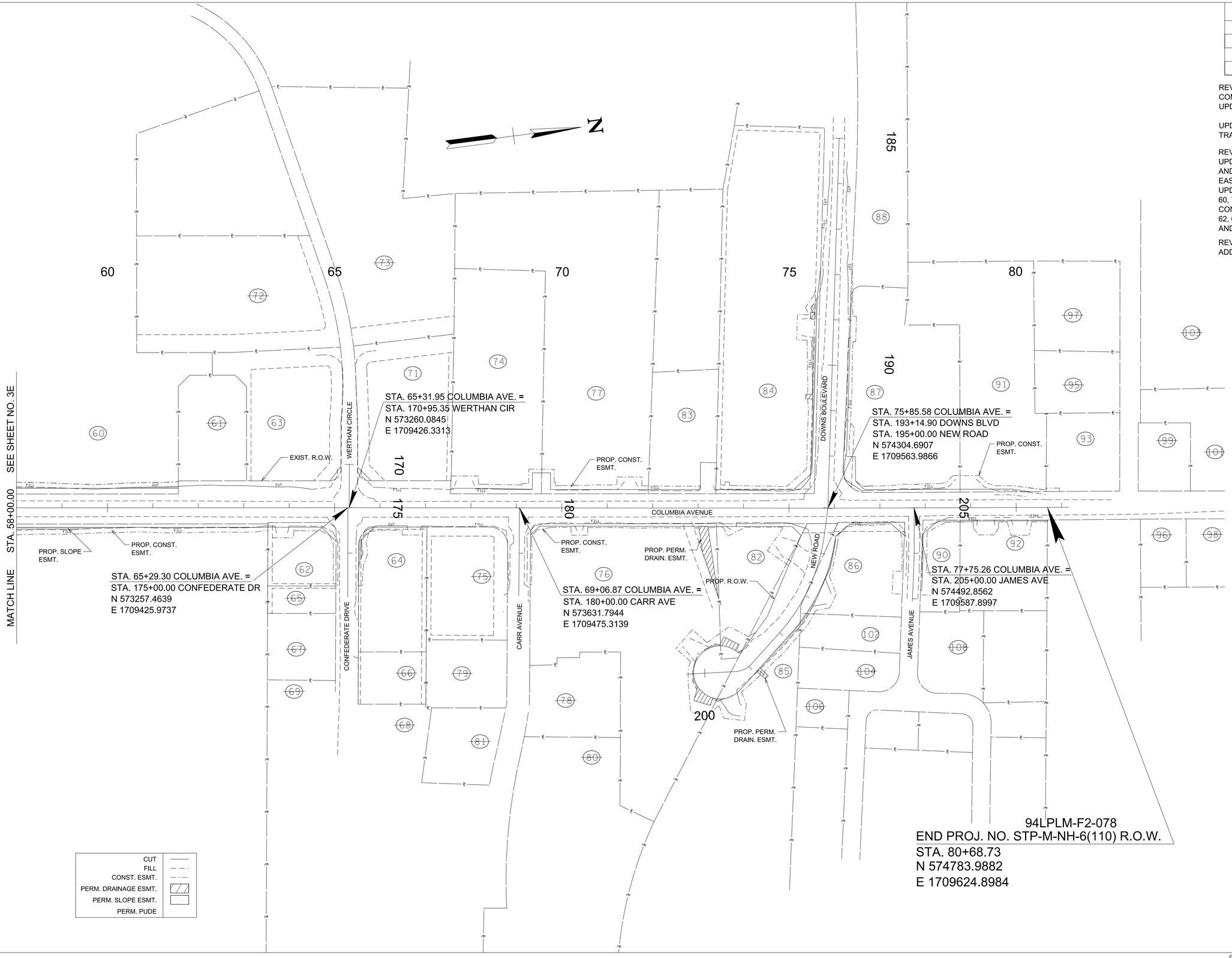
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	3F

REV. 12-16-2021
COMBINED TRACT 87 AND TRACT 89 AND UPDATED COUNTY RECORD INFORMATION.

UPDATED EASEMENTS FOR TRACT 84 AND TRACT 87.

REV. 07-29-2024
UPDATED PROP. R.O.W. TRACT NOS. 82, 86, AND 87. UPDATED PERMANENT DRAINAGE EASEMENT FOR TRACT NOS. 84 AND 85. UPDATED SLOPE EASEMENT FOR TRACT NOS. 60, 76, 82, 84, 85, 86, 87, 90, AND 91. UPDATED CONSTRUCTION EASEMENT FOR TRACT NOS. 62, 64, 74, 75, 76, 77, 82, 84, 85, 86, 87, 90, 91, 92, AND 93. UPDATED SHEET NUMBER TO 3F.

REV. 11-15-2024
ADDED STRIKE THROUGH LINE TO TRACK NO. 75.



R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPERTY MAP

STA. 58+00 TO STA. 80+68.72
SCALE: 1"=100'

BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
$INSTR$
$USER$
TBL
DGN

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	4

REV. 02-11-2021
UPDATED EASEMENT LINEWORK AND LABELS FROM BEGIN OF PROJECT TO 11+00.00 AND ADDED DRIVEWAY AT 9+65.00 RT.

REV. 07-29-2024
UPDATED SLOPE EASEMENT FOR TRACT NO. 1.
UPDATED CONSTRUCTION EASEMENT FOR TRACT NO. 1.

R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PRESENT LAYOUT

STA. 7+85.95 TO STA. 17+00.00

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

94LPLM-F3-079
BEGIN PROJ. NO. STP-M-NH-6(110) R.O.W.
STA. 7+85.95
N 567555.7715
E 1708739.1847

STA. 15+45.17 COLUMBIA AVE =
STA. 103+58.29 HILLVIEW LN
N 568310.6656
E 1708819.5310

STA. 15+44.66 COLUMBIA AVE =
STA. 105+00.00 MACK HATCHER
N 568310.1568
E 1708819.4679

CURVE D001
PI 9+24.80
N 567,693.4594
E 1,708,757.1092
Δ 1° 30' 07" (LT)
D 0° 34' 23"
R 10,000.00
L 262.11
T 131.06
SE N.C.
DESIGN SPEED 40 MPH

CURVE D021
PI 101+60.63
N 568,342.1434
E 1,708,623.5126
Δ 16° 56' 57" (RT)
D 14° 19' 26"
R 400.00
L 118.33
T 59.60
SE 3.800 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 120'

CONTROL POINTS						
POINT	NORTH	EAST	ELEV.	STATION	CENTERLINE	OFFSET
CP-S1	567786.6770	1708789.1930	747.16	10+20.81	COLUMBIA	22.31' (RT)
CP-S2	568376.5900	1708777.2200	720.37	16+07.17	COLUMBIA	47.88' (LT)

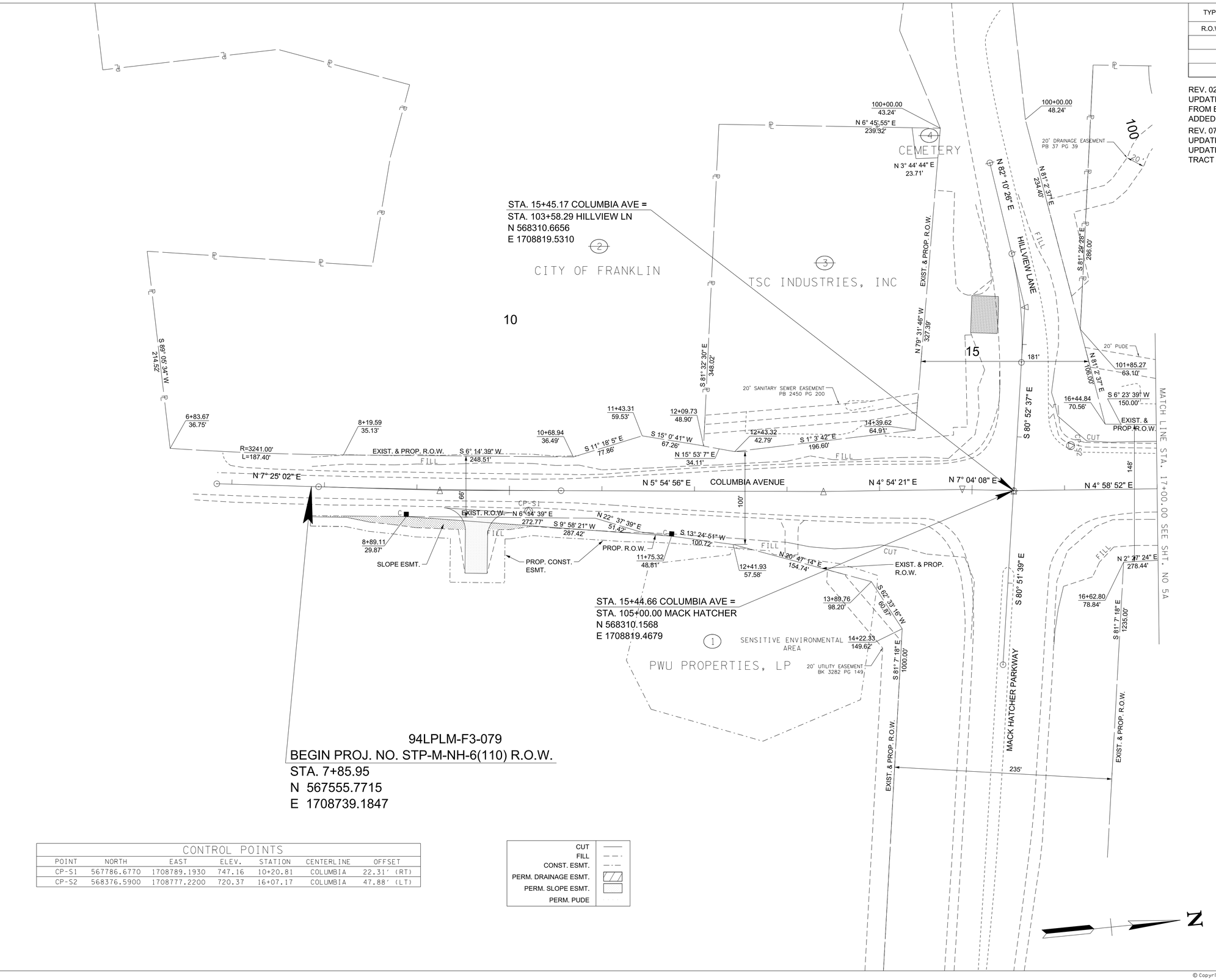
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	4A

REV. 02-11-2021
UPDATED EASEMENT LINEWORK AND LABELS FROM BEGIN OF PROJECT TO 11+00.00 AND ADDED DRIVEWAY AT 9+65.00 RT.

REV. 07-29-2024
UPDATED SLOPE EASEMENT FOR TRACT NO. 1.
UPDATED CONSTRUCTION EASEMENT FOR TRACT NO. 1.



CONTROL POINTS						
POINT	NORTH	EAST	ELEV.	STATION	CENTERLINE	OFFSET
CP-S1	567786.6770	1708789.1930	747.16	10+20.81	COLUMBIA	22.31' (RT)
CP-S2	568376.5900	1708777.2200	720.37	16+07.17	COLUMBIA	47.88' (LT)

CUT
FILL
CONST. ESMT.
PERM. DRAINAGE ESMT.
PERM. SLOPE ESMT.
PERM. PUDE

R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

RIGHT OF WAY DETAILS

STA. 7+85.95 TO STA. 17+00.00

SCALE: 1"= 50'

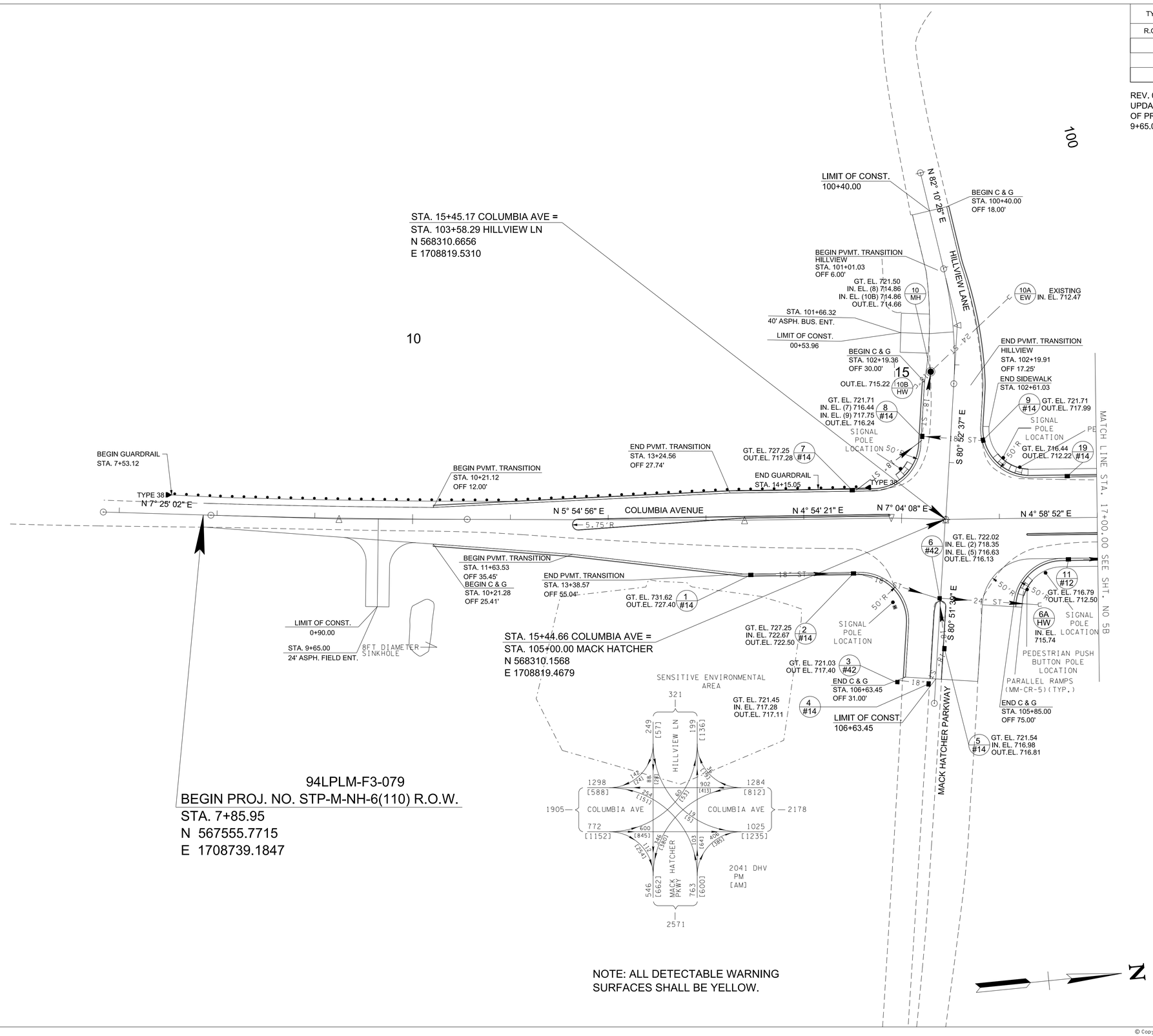
BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	4B

REV. 02-11-2021
UPDATED PROPOSED GUARDRAIL AT BEGIN OF PROJECT AND ADDED DRIVEWAY AT 9+65.00 RT.



R.O.W.

PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED LAYOUT

STA. 7+85.95 TO STA. 17+00.00

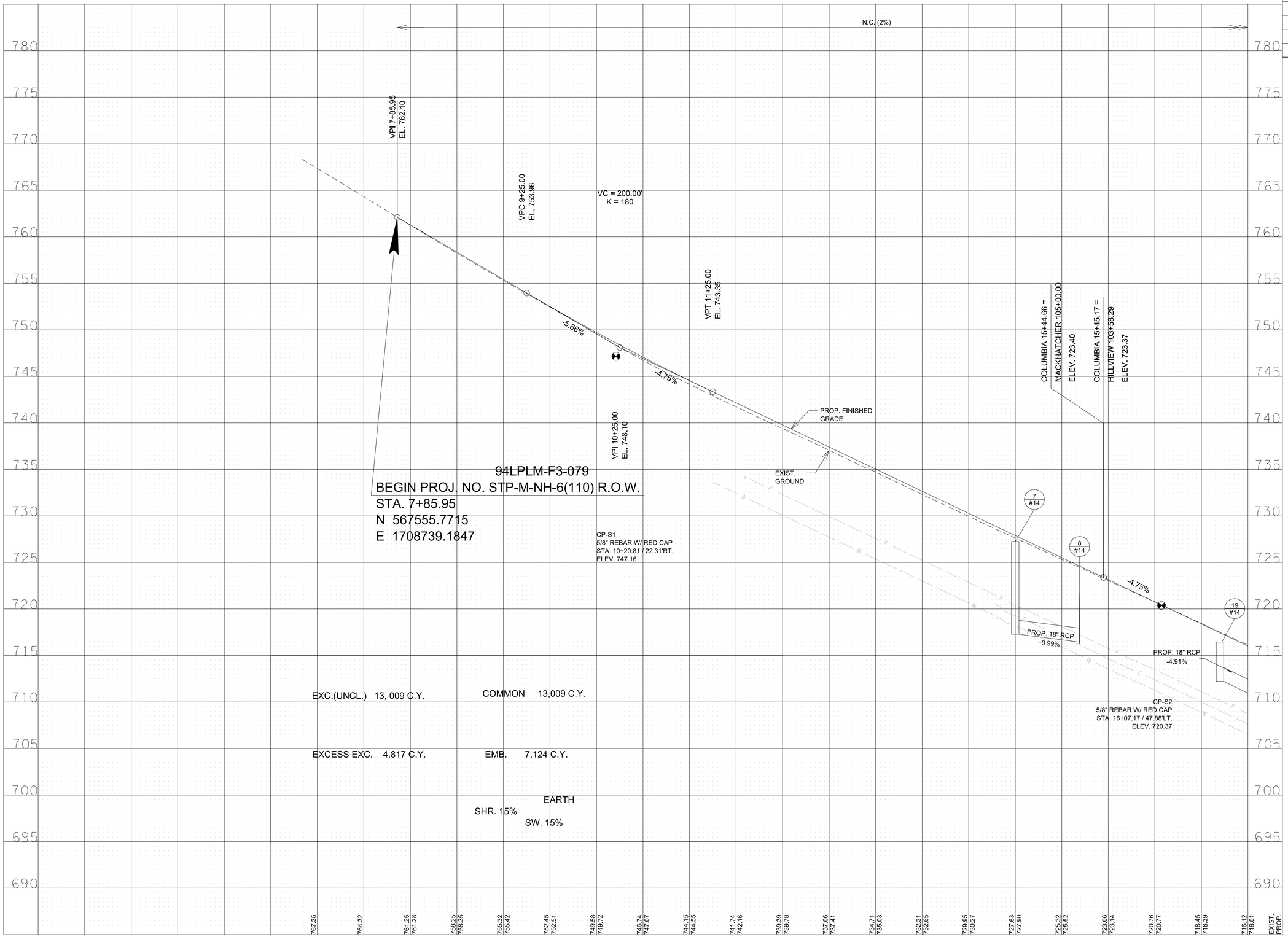
SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	4C



R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED PROFILE & DRAINAGE LEFT

STA. 7+85.95 TO STA. 17+00.00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

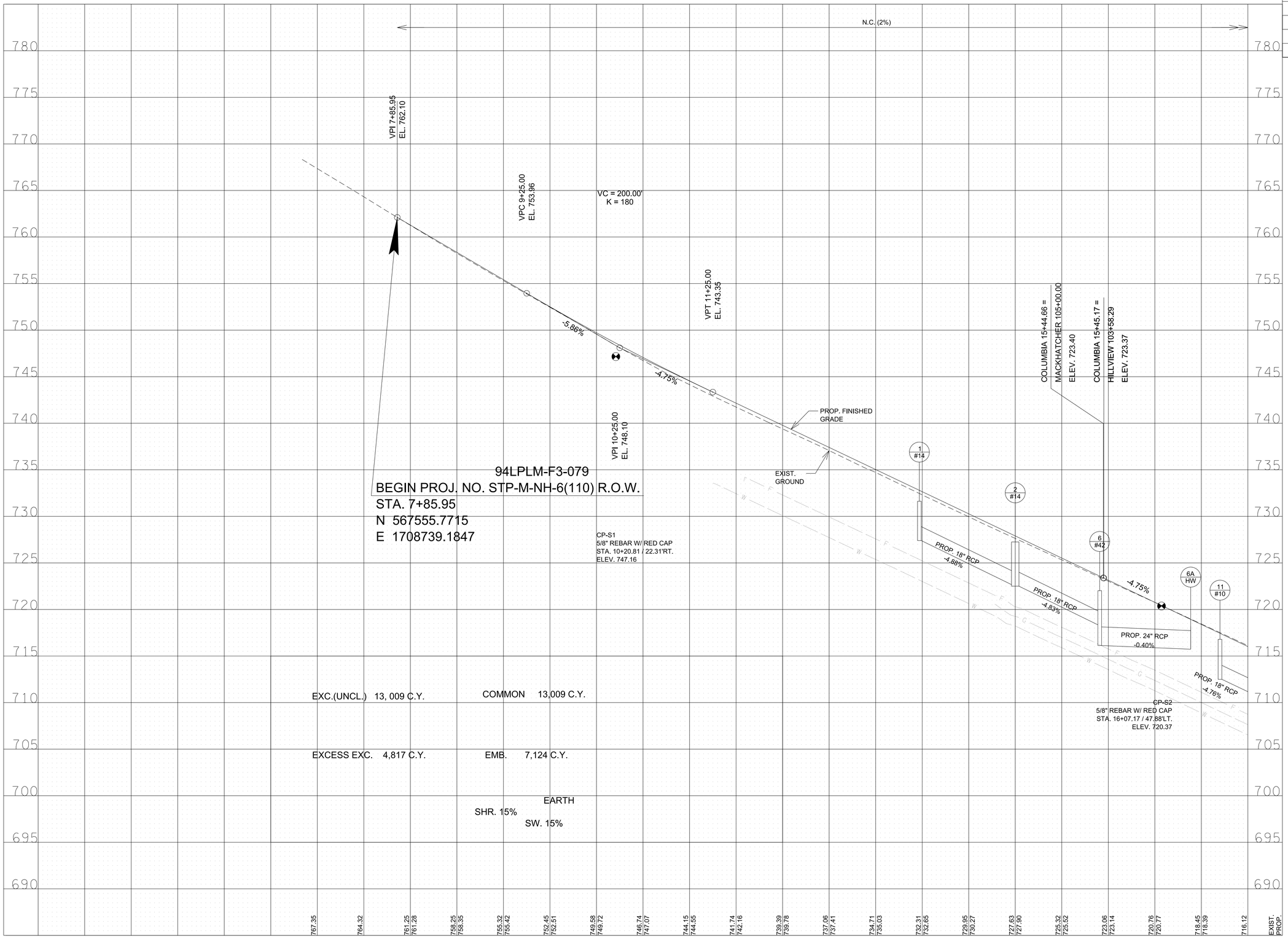
BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	4D



R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED PROFILE & DRAINAGE RIGHT

STA. 7+85.95 TO STA. 17+00.00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

BARGE DESIGN SOLUTIONS

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$TIME$
$INSTR$
$USER$
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DGN

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	5

REV. 07-29-2024
UPDATED PROP. R.O.W. FOR TRACT NOS. 9, 10, AND 11. UPDATED SLOPE EASEMENT FOR TRACT NOS. 7, 8, 13, AND 18. REMOVED SLOPE EASEMENT FOR TRACT NOS. 10 AND 11. UPDATE CONSTRUCTION EASEMENT FOR TRACT NOS. 7, 8, 9, 10, 11, 13, 14, 17, AND 18. UPDATED OWNER NAMES FOR TRACT NOS. 7 AND 8.

REV. 11-15-2024
UPDATED OWNER NAMES FOR TRACT NOS. 6, 9, 10, 11, 12, 14, AND 18.

CONTROL POINTS						
POINT	NORTH	EAST	ELEV.	STATION	CENTERLINE	OFFSET
CP-S3	568905.8020	1708917.9640	693.77	21+48.22	COLUMBIA	36.96' (RT)
CP-S4	569432.3133	1708915.1175	687.35	26+70.41	COLUMBIA	29.52' (LT)

CURVE D041
PI 110+27.67
N 569,073.4719
E 1,708,790.0711
Δ 15° 45' 07" (RT)
D 28° 38' 52"
R 200.00
L 54.98
T 27.67
SE EXIST.

STA. 22+98.48 COLUMBIA AVE =
STA. 111+38.32 SHOPPING CENTER
N 569059.5092
E 1708900.1952

CURVE D005
PI 19+06.89
N 568,671.0192
E 1,708,850.9382
Δ 2° 14' 42" (RT)
D 1° 54' 35"
R 3,000.00
L 117.54
T 58.78
SE N.C.
DESIGN SPEED 40 MPH

STA. 28+47.88 COLUMBIA AVE =
STA. 126+29.60 SHADOW GREEN DR
N 569605.0124
E 1708965.5358

STA. 26+19.63 COLUMBIA AVE =
STA. 121+44.10 PRIVATE RD(1)
N 569378.3802
E 1708938.3897

STA. 28+52.24 COLUMBIA AVE =
STA. 130+00.00 SOUTHEAST PKWY
N 569609.3436
E 1708966.0497

CURVE D082
PI 132+82.53
N 569,559.9503
E 1,709,244.0574
Δ 3° 43' 52" (LT)
D 11° 27' 33"
R 500.00
L 32.56
T 16.29
SE N/C
DESIGN SPEED 30 MPH

CURVE D081
PI 131+36.87
N 569,590.4526
E 1,709,101.6142
Δ 4° 09' 12" (RT)
D 11° 27' 33"
R 500.00
L 36.25
T 18.13
SE N/C
DESIGN SPEED 30 MPH

ASHLEY OUTLOTS, LLC AND PARKWAY COMMONS LAND ASSOCIATES, LLC
ASHLEY OUTLOTS, LLC AS A 1/2 UNDIVIDED INTEREST AND PARKWAY COMMONS LAND ASSOCIATES, LLC AS TO A 1/2 UNDIVIDED INTEREST
KROGER LIMITED PARTNERSHIP, I
PRD OWNER, LLC, A DELEWARE LIMITED LIABILITY CORPORATION
PLC TN ASSETS LLC
NOLAND PROPERTIES INC
KEELING COMPANY

COLUMBIA AVENUE
SHOPPING CENTER
PRIVATE ROAD(1)
SHADOW GREEN DRIVE
SOUTHEAST PARKWAY
WIDOW NEELY BRANCH

3054 COLUMBIA AVE. UNDERGROUND STORAGE TANKS
WQ DEVICE TOP-691.62 BOTTOM INV-678.62 (NO OUTFALL FOUND)
FORCE MAIN LIFT STATION TOP-690.23 INV-684.23

PRIVATE SIGN TO REMAIN IN PLACE AND PROTECTED DURING CONSTRUCTION
STREET SIGNS TO BE REMOVED & RELOCATED
EXIST. TO BE REMOVED
AREA TO BE SCARIFIED
PRIVATE SIGN TO BE REMOVED & RELOCATED
MAILBOX TO BE REMOVED & RELOCATED

MATCH LINE STA. 17+00.00 SEE SHT. NO 4
MATCH LINE STA. 30+00.00 SEE SHT. NO 6

R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PRESENT LAYOUT

STA. 17+00.00 TO STA. 30+00.00

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

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$DATE$
$TIME$
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DGN

CONTROL POINTS						
POINT	NORTH	EAST	ELEV.	STATION	CENTERLINE	OFFSET
CP-S3	568905.8020	1708917.9640	693.77	21+48.22	COLUMBIA	36.96' (RT)
CP-S4	569432.3133	1708915.1175	687.35	26+70.41	COLUMBIA	29.52' (LT)

STA. 22+98.48 COLUMBIA AVE =
STA. 111+38.32 SHOPPING CENTER
N 569059.5092
E 1708900.1952

STA. 28+47.88 COLUMBIA AVE =
STA. 126+29.60 SHADOW GREEN DR
N 569605.0124
E 1708965.5358

STA. 26+19.63 COLUMBIA AVE =
STA. 121+44.10 PRIVATE RD(1)
N 569378.3802
E 1708938.3897

STA. 28+52.24 COLUMBIA AVE =
STA. 130+00.00 SOUTHEAST PKWY
N 569609.3436
E 1708966.0497

ASHLEY OUTLOTS, LLC AS A 1/2 UNDIVIDED INTEREST AND PARKWAY COMMONS LAND ASSOCIATES, LLC AS TO A 1/2 UNDIVIDED INTEREST

ASHELY OUTLOTS, LLC AND PARKWAY COMMONS LAND ASSOCIATES, LLC

PRD OWNER, LLC, A DELAWARE LIMITED LIABILITY CORPORATION

KROGER LIMITED PARTNERSHIP, I

PLC TN ASSETS LLC

NOLAND PROPERTIES INC

KEELING COMPANY

COLUMBIA AVENUE

SHOPPING CENTER

PRIVATE ROAD(1)

SHADOW GREEN DRIVE

SOUTHEAST PARKWAY

WIDOW WEELY BRANCH

MATCH LINE STA. 17+00.00 SEE SHT. NO 4A

MATCH LINE STA. 30+00.00 SEE SHT. NO 6A

CUT	
FILL	
CONST. ESMT.	
PERM. DRAINAGE ESMT.	
PERM. SLOPE ESMT.	
PERM. PUDE	

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	5A

REV. 07-29-2024
UPDATED PROP. R.O.W. FOR TRACT NOS. 9, 10, AND 11. UPDATED SLOPE EASEMENT FOR TRACT NOS. 7, 8, 13, AND 18. REMOVED SLOPE EASEMENT FOR TRACT NOS. 10 AND 11. UPDATE CONSTRUCTION EASEMENT FOR TRACT NOS. 7, 8, 9, 10, 11, 13, 14, 17, AND 18. UPDATED OWNER NAMES FOR TRACT NOS. 7 AND 8.

REV. 11-15-2024
UPDATED OWNER NAMES FOR TRACT NOS. 6, 9, 10, 11, 12, 14, AND 18.

R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

RIGHT OF WAY DETAILS

STA. 17+00.00 TO STA. 30+00.00

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
$INSTR$
$USER$
TBL
DGN

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	5B

REV. 02-11-2021
UPDATED STORM DRAINAGE PIPES AND STORM DRAINAGE ENDWALLS AND ADDED STORM DRAINAGE STRUCTURES FROM 16+00.00 TO 29+50.00

REV. 07-29-2024
REVISED CURB RAMPS ACROSS FROM SHOPPING CENTER ENTRANCE.

STA. 22+98.48 COLUMBIA AVE =
STA. 111+38.32 SHOPPING CENTER
N 569059.5092
E 1708900.1952

STA. 28+47.88 COLUMBIA AVE =
STA. 126+29.60 SHADOW GREEN DR
N 569605.0124
E 1708965.5358

WIDOW WEELY BRANCH

MATCH LINE STA. 17+00.00 SEE SHT. NO 4B

MATCH LINE STA. 30+00.00 SEE SHT. NO 6B

20

110

25

30

125

6' SIDEWALK (TYP.)

PEDESTRIAN PUSH BUTTON POLE LOCATION

GT. EL. 706.72
IN. EL. 702.27
OUT.EL. 702.27
20 #10

GT. EL. 707.05
IN. EL. 702.17
OUT.EL. 702.00
21 MH

BEGIN PVMT. TRANSITION
STA. 19+65.66
OFF 13.50'

END PVMT. TRANSITION
STA. 20+91.33
OFF 8.50'

GT. EL. 693.54
IN. EL. (21) 689.33
IN. EL. (23) 687.33
OUT.EL. 687.46
22 #12

PARALLEL RAMP (MM-CR-7)

GT. EL. 691.62
OUT.EL. 687.51
23 #14

22A HW
OUT EL. 687.37

IN. EL. 684.07

24A HW

30A HW

LIMIT OF CONST.
110+57.25

TIE TO EXIST. SIDEWALK
STA 110+57.28

IN. EL. 684.10

SHOPPING CENTER

S 82° 46' 26" E

EXIST. STRUCTURE TO BE MODIFIED

END C & G
STA. 110+57.25
OFF 35.50'

PARALLEL RAMP (MM-CR-7)

END PVMT. TRANSITION
STA. 25+56.02
OFF 8.50'

BEGIN PVMT. TRANSITION
STA. 24+56.25
OFF 10.27'

26 #26
GT. EL. 687.04
OUT.EL. 682.95

LIMIT OF RESURFACING
119+54.54

LIMIT OF CONST.
120+25.00

PARALLEL RAMP (MM-CR-5)(TYP.)

S 83° 10' 11" E

PRIVATE ROAD(1)

EXIST. STRUCT. TO BE MOD.

EXIST. 60" TO REMAIN

BEGIN PVMT. TRANSITION
PRIVATE1
STA. 120+24.91
OFF 23.21'

END PVMT. TRANSITION
PRIVATE1
STA. 120+73.83
OFF 11.87'

OUT EL. 681.62

34A HW

PARALLEL RAMP (MM-CR-5)

EXIST. STRUCTURE TO BE MODIFIED

IN. EL. 680.75
STUB

GT. EL. 688.15
IN. EL. 683.48
OUT.EL. 682.89
49 #14

PED. PUSH BUTTON POLE LOCATION

SHADOW GREEN DRIVE

S 83° 32' 36" E

GT. EL. 687.04
IN. EL. 682.43
OUT.EL. 682.26
38 #12

GT. EL. 688.15
OUT.EL. 683.48
50 #14

LIMIT OF CONST.
125+15.00

PARALLEL RAMP (MM-CR-7)

GT. EL. 686.88
OUT.EL. 682.67
37 #14

EXIST. MH TO BE MODIFIED

EXIST. TO BE REMOVED

EXIST. TO REMAIN

COLUMBIA AVENUE

N 4° 58' 52" E

N 7° 13' 34" E

GT. EL. 699.80
IN. EL. 694.48
OUT.EL. 694.31
12A #12

GT. EL. 707.05
IN. EL. 703.05
OUT.EL. 702.88
12 #14

GT. EL. 699.00
OUT.EL. 694.52
12B #43

BEGIN PVMT. TRANSITION
STA. 19+66.18
OFF 19.50'

6' SIDEWALK (TYP.)

LIMIT OF CONST.
00+75.00

STA. 20+41.02
30' ASPH. BUS. ENT.

END PVMT. TRANSITION
STA. 20+91.85
OFF 2.50'

GT. EL. 690.44
IN. EL. (12A) 685.45
IN. EL. (13A) 683.05
OUT.EL. 682.88
13 #10

SIGNAL POLE LOCATION (TYP.)

PEDESTRIAN PUSH BUTTON POLE LOCATION

GT. EL. 688.50
OUT.EL. 683.09
13A #43

LIMIT OF CONST.
1+78.83

STA. 22+90.15
12'ASPH. BUS. ENT.

PARALLEL RAMPS (MM-CR-5 (TYP.)

STA. 22+98.15
24' ASPH. BUS. ENT.

LIMIT OF CONST.
1+96.28

BEGIN PVMT. TRANSITION
STA. 24+56.72
OFF 16.29'

GT. EL. 686.17
IN. EL. 680.13
OUT.EL. 679.96
15 #14

GT. EL. 687.85
IN. EL. 680.84
OUT.EL. 680.67
14 #14

STA. 26+19.63 COLUMBIA AVE =
STA. 121+44.10 PRIVATE RD(1)
N 569378.3802
E 1708938.3897

GT. EL. 686.54
IN. EL. 679.68
OUT.EL. 679.51
16 #12

16A HW
OUT EL. 682.80

END PVMT. TRANSITION
STA. 25+28.11
OFF 2.86'

GT. EL. 686.76
IN. EL. 679.10
OUT.EL. 678.93
17 #12

OUT.EL. 682.66
18A HW

PARALLEL RAMP (MM-CR-5)

STA. 28+52.24 COLUMBIA AVE =
STA. 130+00.00 SOUTHEAST PKWY
N 569609.3436
E 1708966.0497

GT. EL. 687.06
IN. EL. (17) 678.55
IN. EL. (18A) 681.90
OUT.EL. 678.38
18 #12

GT. EL. 686.25
OUT.EL. 682.27
51 #12

GT. EL. 686.27
IN. EL. (51) 682.11
IN. EL. (52A) 681.61
OUT.EL. 681.43
52 #14

GT. EL. 686.82
IN. EL. 682.59
OUT.EL. 682.42
52A #10

SIGNAL POLE LOCATION (TYP.

GT. EL. 687.57
IN. EL. 677.41
OUT.EL. 677.24
55 #14

GT. EL. 688.16
OUT.EL. 684.15
53 #12

GT. EL. 687.41
IN. EL. (52D) 680.70
IN. EL. (53) 683.66
IN. EL. (18) 677.83
OUT.EL. 677.66
54 #14

PARALLEL RAMP (MM-CR-7)
52D #14

GT. EL. 685.61
IN. EL. 680.97
OUT.EL. 680.80
52E #10

STA. 132+36.83
30' ASPH. BUS. ENT.

STA. 132+52.52
24' ASPH. BUS. ENT.

LIMIT OF CONST.
0+72.79

END C & G
STA. 132+54.14
OFF 18.00'

GT. EL. 686.82
IN. EL. 682.90
OUT.EL. 682.73
52B #12

END PVMT. TRANSITION
SOUTHEAST
STA. 132+54.14
OFF 6.00'

OUT.EL. 685.91
52C HW

RIP-RAP DITCH

SOUTHEAST PARKWAY

S 77° 54' 48" E

S 81° 38' 40" E

END C & G
STA. 132+54.14
OFF 18.00'

LIMIT OF CONST.
0+60.00

BEGIN PVMT. TRANSITION
SOUTHEAST
STA. 133+44.15
OFF 0.00'

LIMIT OF CONST.
133+44.15

323
PARKWAY COMMONS
249 [127]
228 [122]
1284 [813]
1313 [853]
1161 [776]
2179 COLUMBIA AVE
COLUMBIA AVE 2298
1025 [1235]
1150 [1280]
948 [1189]
CEMETERY
3 [3]
2041 DHV
PM
[AM]
6

631
SHADOW GREEN DR
291 [363]
400 [207]
1441 [927]
1441 [904]
1216 [767]
2396 COLUMBIA AVE
COLUMBIA AVE 2442
1142 [1281]
1147 [1392]
890 [1110]
SOUTHEAST PKWY
146 [220]
260 [198]
2041 DHV
PM
[AM]
412

NOTE: ALL DETECTABLE WARNING SURFACES SHALL BE YELLOW.

N

R.O.W.

PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED LAYOUT

STA. 17+00.00 TO STA. 30+00.00

SCALE: 1"= 50'

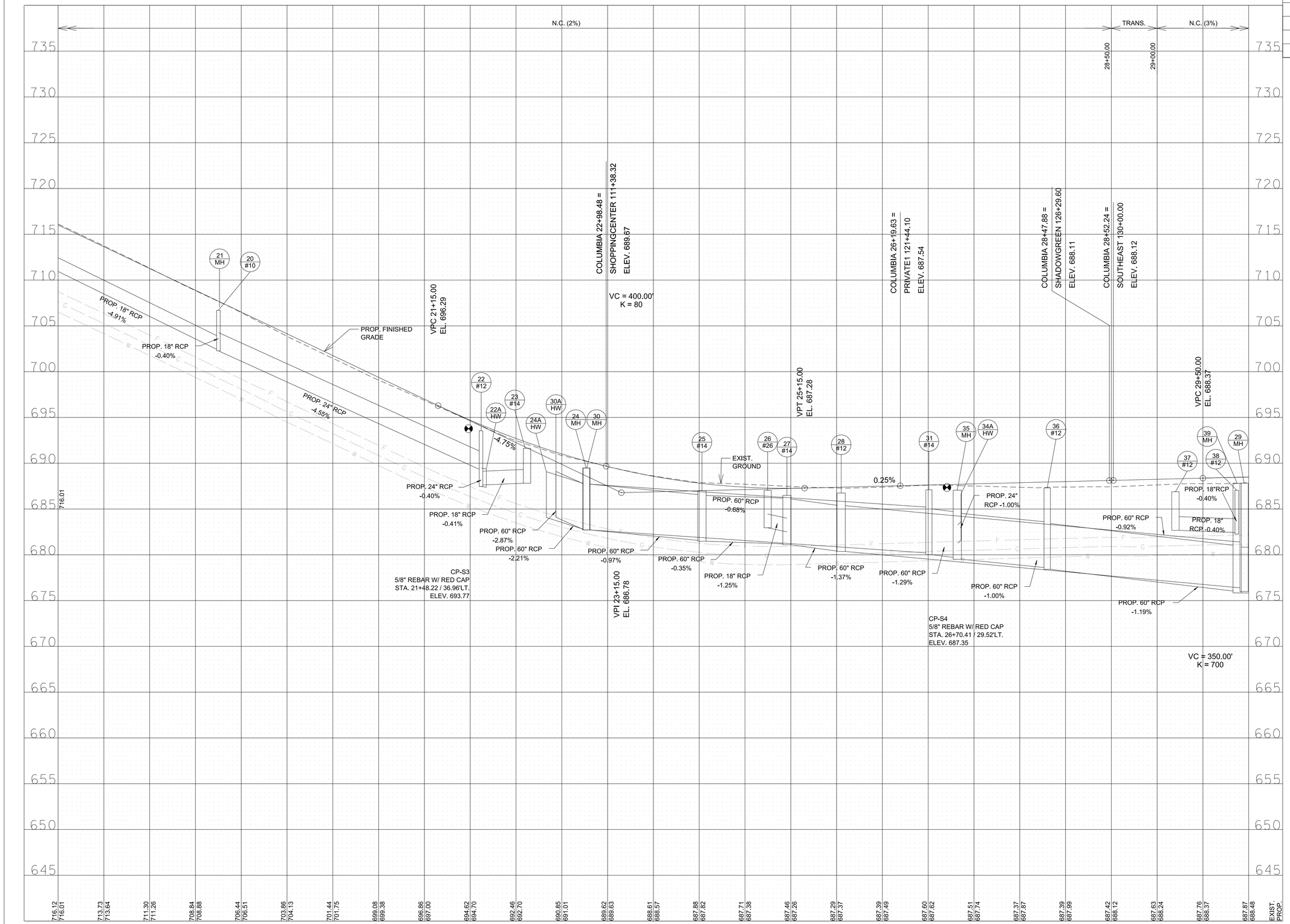
BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	5C



R.O.W. PLANS

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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED PROFILE & DRAINAGE LEFT

17+00.00 TO STA. 30+00.00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

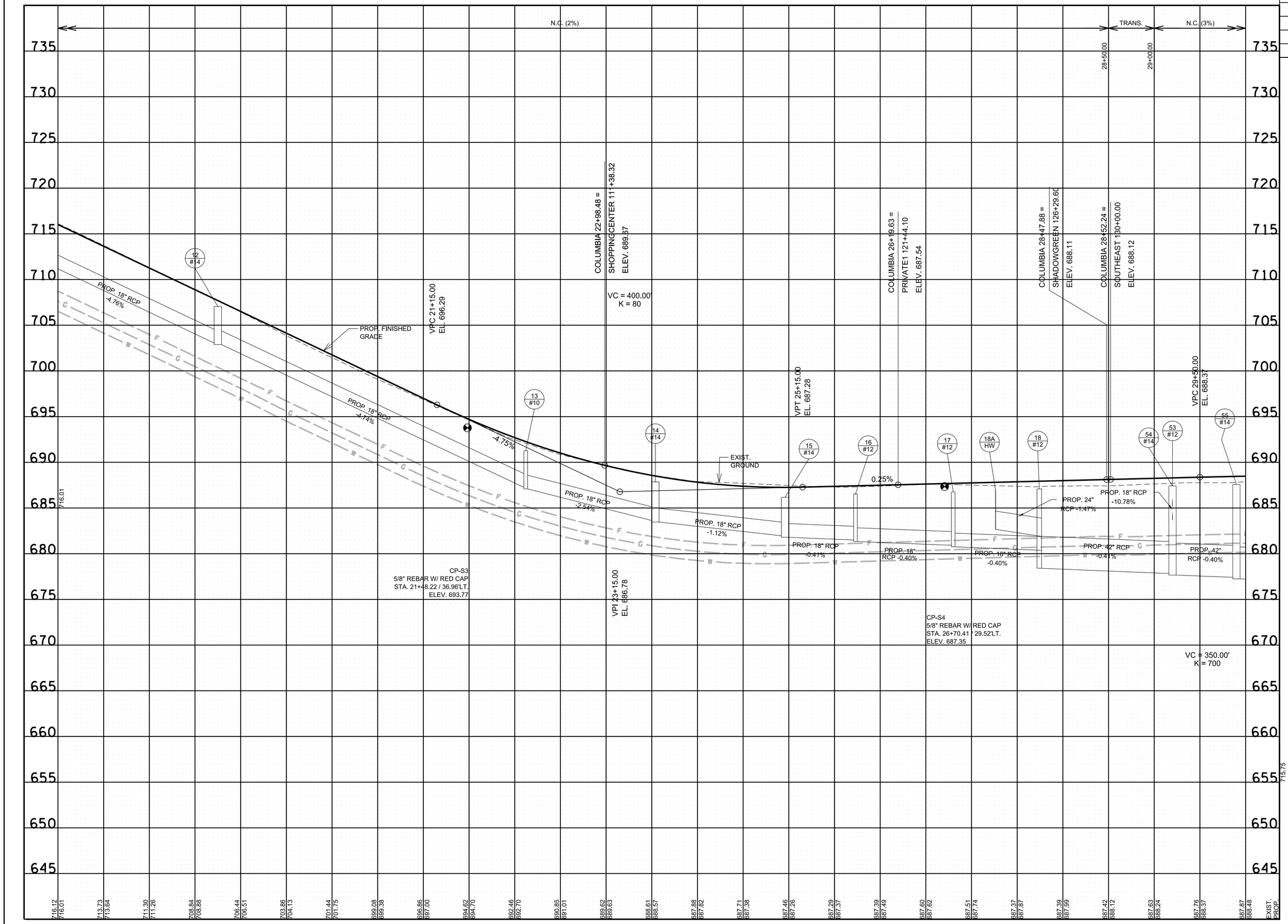
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	5D



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED PROFILE & DRAINAGE RIGHT

17+00.00 TO STA. 30+00.00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

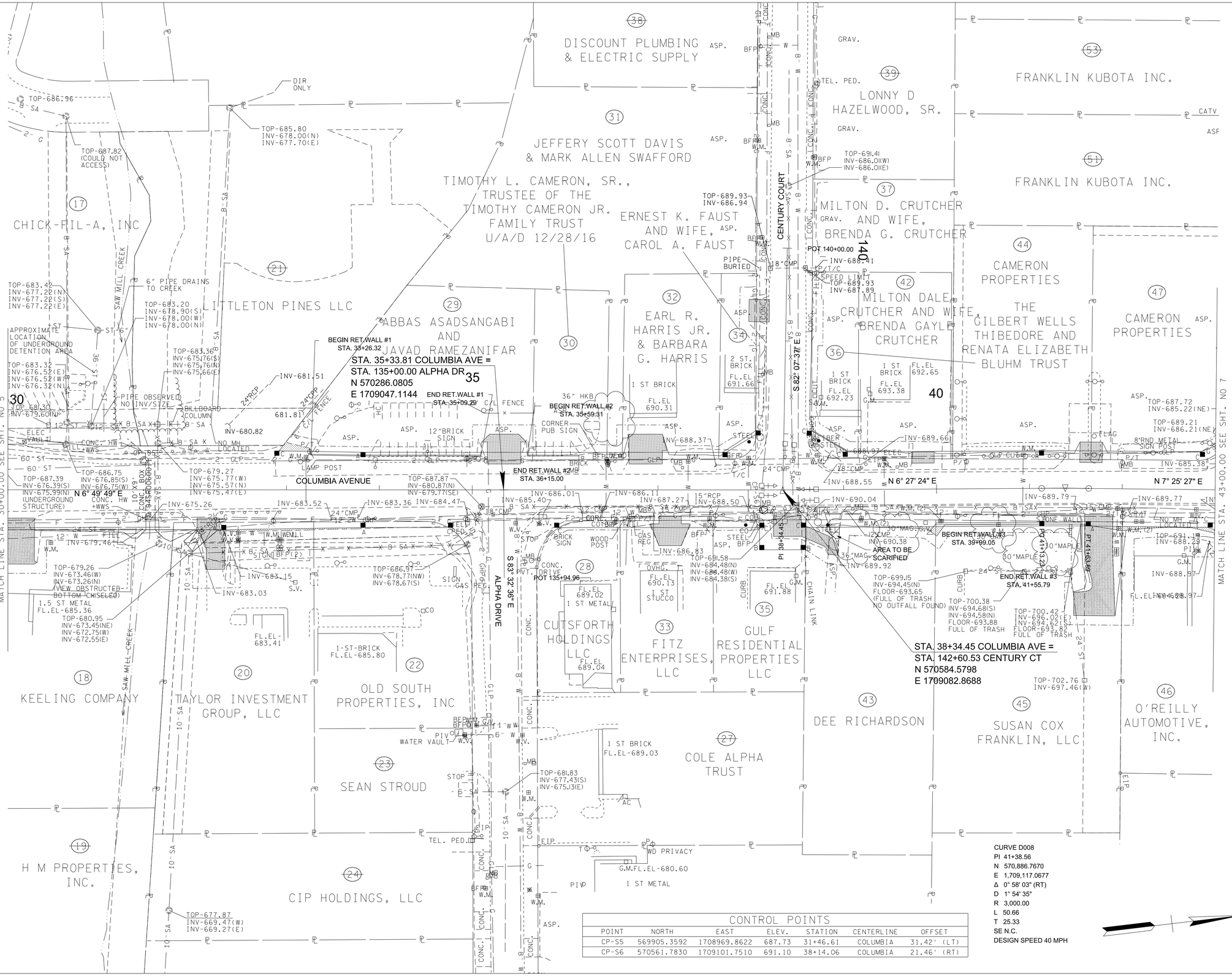
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	6

REV. 12-16-2021
UPDATED OWNER INFORMATION FOR TRACT 21 AND UPDATED OWNER INFORMATION AND COUNTY RECORD INFORMATION FOR TRACT 35.
REV. 07-29-2024
UPDATED PROPOSED R.O.W. FOR TRACT NO. 46. ADDED PROPOSED PUDE EASEMENTS TO TRACT NOS. 22, 34, AND 46. UPDATED DRAINAGE EASEMENT FOR TRACT NO. 20. UPDATED SLOPE EASEMENT FOR TRACT NOS. 18, 20, 36, 42, 45, AND 46. UPDATED CONSTRUCTION EASEMENT FOR TRACT NOS. 17, 18, 20, 22, 29, 30, 31, 32, 33, 34, 36, 42, 43, 44, 45, 46, AND 47. REMOVED CONSTRUCTION EASEMENT FOR TRACT NO. 21. UPDATED OWNER NAMES FOR TRACT NOS. 21, 27, 28, 29, 35, 36, AND 39.
REV. 11-15-2024
UPDATED OWNER NAMES FOR TRACT NOS. 18, 29, 30, 34, 36, 37 AND 42.
REV. 01-13-2025
STRUCK THROUGH TRACT NO. 21. UPDATED OWNER NAME FOR TRACT 29.



CONTROL POINTS						
POINT	NORTH	EAST	ELEV.	STATION	CENTERLINE	OFFSET
CP-S5	569905.3592	1708969.8622	687.73	31+46.61	COLUMBIA	31.42' (LT)
CP-S6	570561.7830	1709101.7510	691.10	38+14.06	COLUMBIA	21.46' (RT)

CURVE D008
PI 41+38.56
N 570,886.7670
E 1,709,117.0677
Δ 0° 58' 03" (RT)
D 1° 54' 35"
R 3,000.00
L 50.66
T 25.33
SE N.C.
DESIGN SPEED 40 MPH

R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PRESENT LAYOUT

STA. 30+00.00 TO STA. 43+00.00

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

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$DATE$
$TIME$
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DGN

CONTROL POINTS						
POINT	NORTH	EAST	ELEV.	STATION	CENTERLINE	OFFSET
CP-S5	569905.3592	1708969.8622	687.73	31+46.61	COLUMBIA	31.42' (LT)
CP-S6	570561.7830	1709101.7510	691.10	38+14.06	COLUMBIA	21.46' (RT)

POINT	BEARING	DISTANCE
D	N 34° 14' 44" W	5.81'
E	N 83° 10' 11" W	24.00'
F	S 82° 34' 56" E	24.00'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	6A

REV. 12-16-2021
UPDATED OWNER INFORMATION FOR TRACT 21 AND UPDATED OWNER INFORMATION AND COUNTY RECORD INFORMATION FOR TRACT 35.

REV. 07-29-2024
UPDATED PROPOSED R.O.W. FOR TRACT NO. 46. ADDED PROPOSED PUDE EASEMENTS TO TRACT NOS. 22, 34, AND 46. UPDATED DRAINAGE EASEMENT FOR TRACT NO. 20. UPDATED SLOPE EASEMENT FOR TRACT NOS. 18, 20, 36, 42, 45, AND 46. UPDATED CONSTRUCTION EASEMENT FOR TRACT NOS. 17, 18, 20, 22, 29, 30, 31, 32, 33, 34, 36, 42, 43, 44, 45, 46, AND 47. REMOVED CONSTRUCTION EASEMENT FOR TRACT NO. 21. UPDATED OWNER NAMES FOR TRACT NOS. 21, 27, 28, 29, 35, 36, AND 39.

REV. 11-15-2024
UPDATED OWNER NAMES FOR TRACT NOS. 18, 29, 30, 34, 36, 37 AND 42.

REV. 01-13-2025
STRUCK THROUGH TRACT NO. 21. UPDATED OWNER NAME FOR TRACT 29.

R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

RIGHT OF WAY DETAILS

STA. 30+00.00 TO STA. 43+00.00

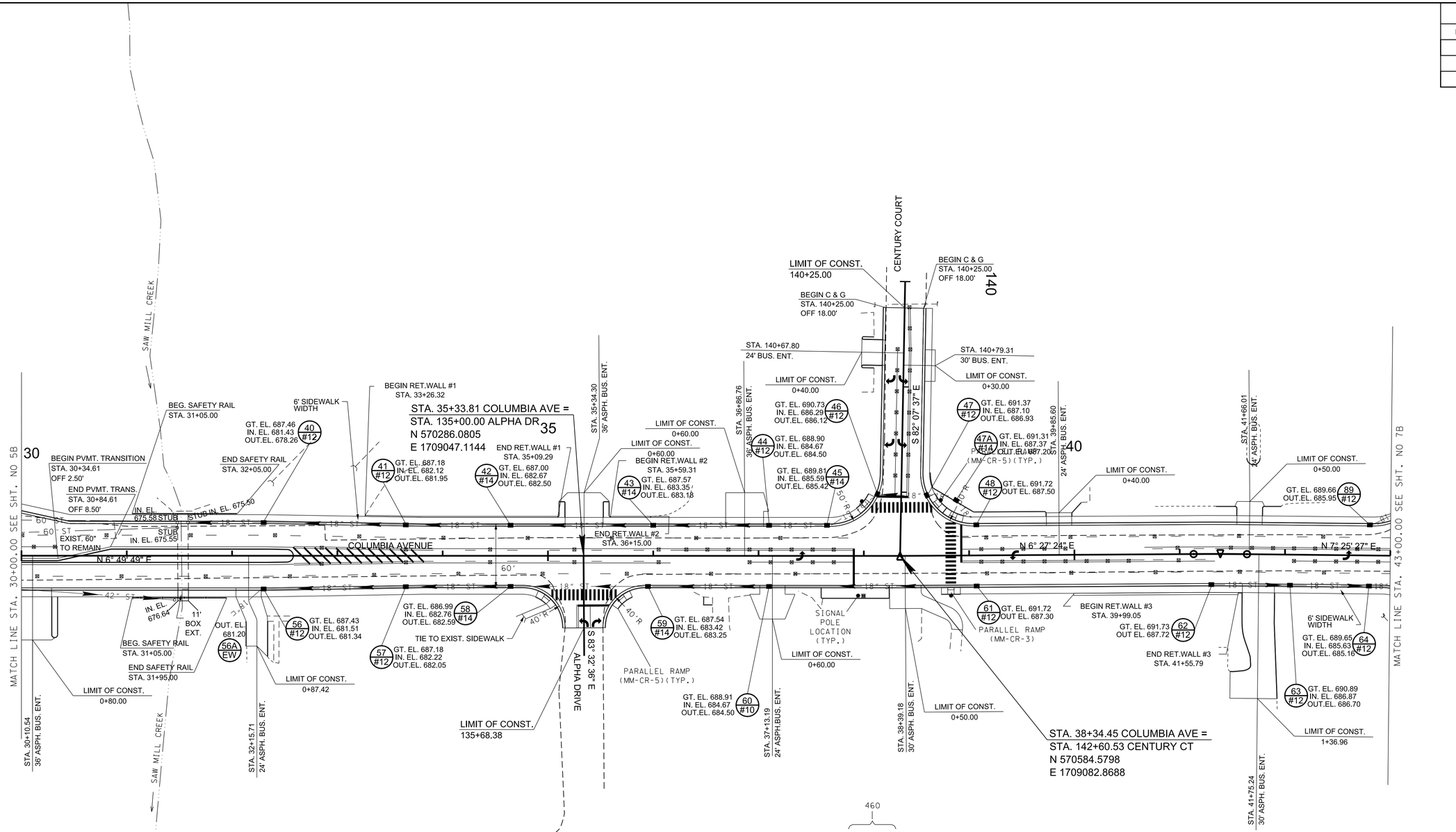
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BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	6B



NOTE: ALL DETECTABLE WARNING SURFACES SHALL BE YELLOW.

R.O.W.

PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED LAYOUT

STA. 30+00.00 TO STA. 43+00.00

SCALE: 1"= 50'

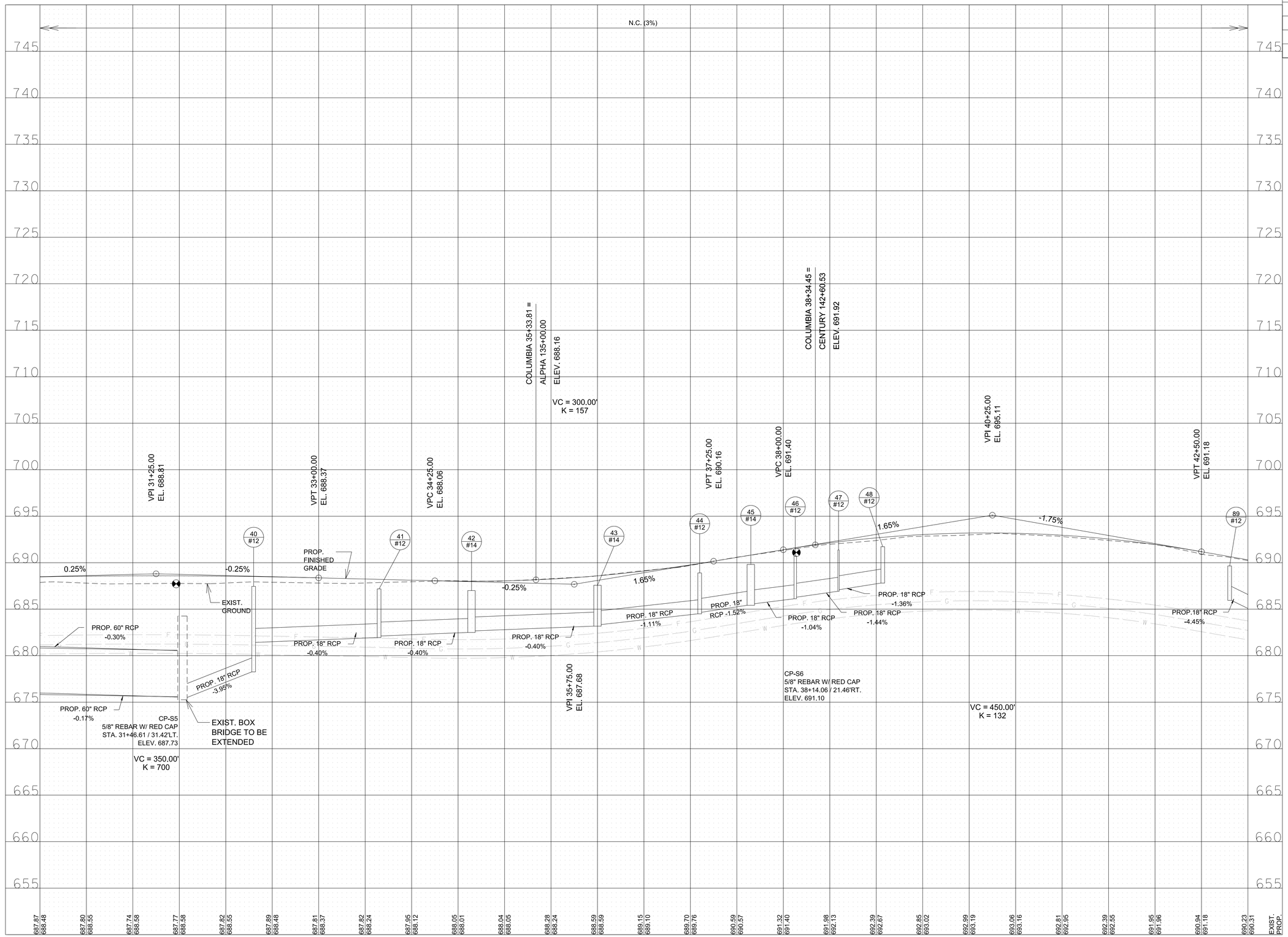
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	6C



R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED PROFILE & DRAINAGE LEFT

30+00.00 TO STA. 43+00.00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

BARGE DESIGN SOLUTIONS

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$TIME$
$INSTR$
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	6D

N.C. (3%)

COLUMBIA 35+33.81 =
ALPHA 135+00.00
ELEV. 688.16

COLUMBIA 38+34.45 =
CENTURY 142+60.53
ELEV. 691.92

VPI 31+25.00
EL. 688.81

VPT 33+00.00
EL. 688.37

VPC 34+25.00
EL. 688.06

VPT 37+25.00
EL. 690.16

VPC 38+00.00
EL. 691.40

VPI 40+25.00
EL. 695.11

VPT 42+50.00
EL. 691.18

VPI 35+75.00
EL. 687.68

VC = 300.00'
K = 157

VC = 350.00'
K = 700

VC = 450.00'
K = 132

0.25%
-0.25%
-0.25%
1.65%
1.65%
-1.75%

56A EW
56 #12
57 #12
58 #14
59 #14
60 #12
61 #12
62 #12
63 #12
64 #12

PROP. FINISHED GRADE

EXIST. GROUND

PROP. 42" RCP -0.40%

PROP. 18" RCP -0.42%

PROP. 18" RCP -0.41%

PROP. 18" RCP 0.40%

PROP. 18" RCP -0.40%

PROP. 18" RCP -0.99%

PROP. 18" RCP -1.36%

PROP. 18" RCP -1.21%

PROP. 18" RCP -1.50%

PROP. 18" RCP -1.95%

CP-S5
5/8" REBAR W/ RED CAP
STA. 31+46.61 / 31.42'LT.
ELEV. 687.73

EXIST. BOX BRIDGE TO BE EXTENDED

CP-S6
5/8" REBAR W/ RED CAP
STA. 38+14.06 / 21.46'RT.
ELEV. 691.10

| | | |

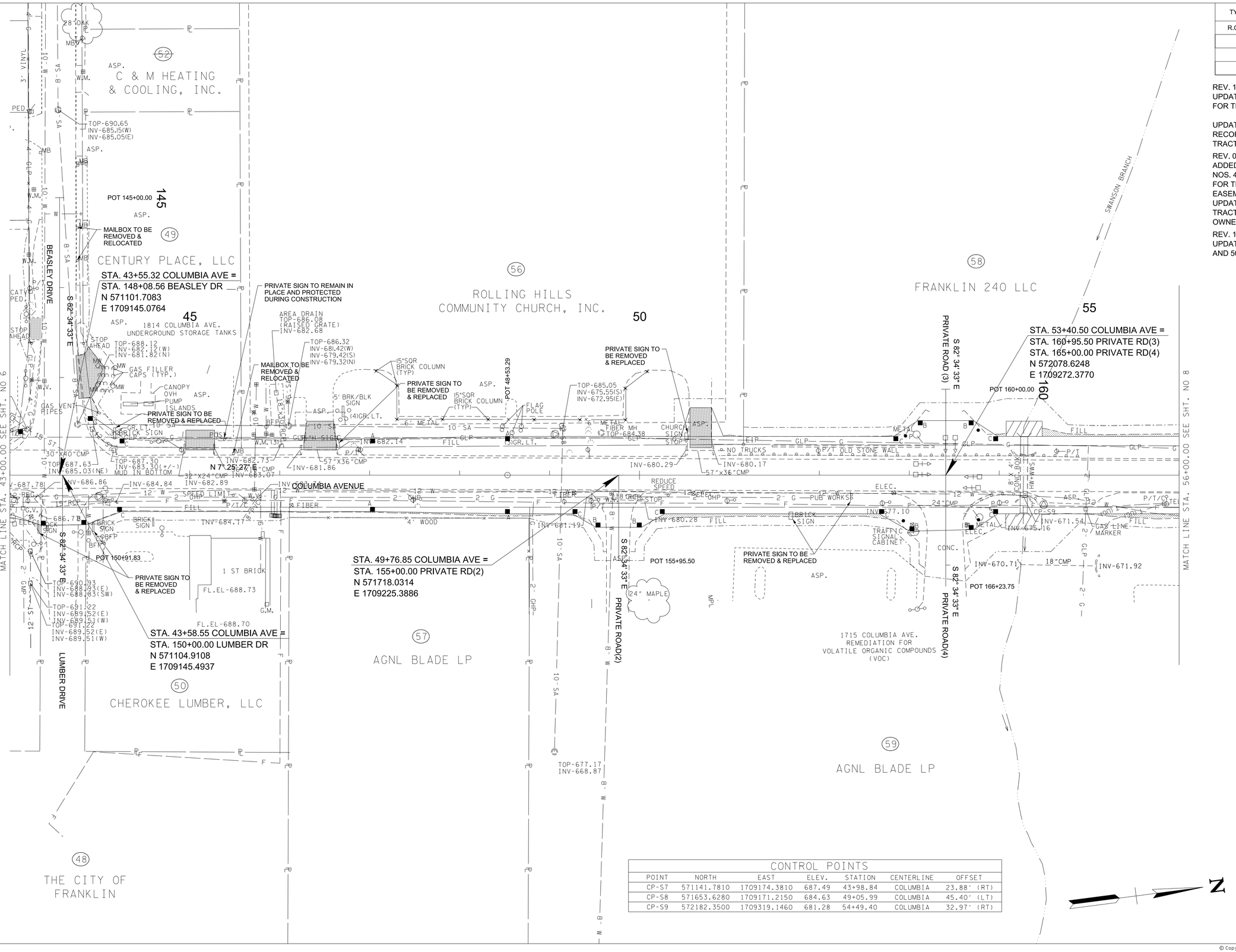
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	7

REV. 12-16-2021
UPDATED COUNTY RECORD INFORMATION FOR TRACT 56 AND TRACT 60.

UPDATED OWNER INFORMATION AND COUNTY RECORD INFORMATION FOR TRACT 57 AND TRACT 59.

REV. 07-29-2024
ADDED PROPOSED PUDE EASEMENTS TO TRACT NOS. 46, 48, AND 50. UPDATED PROP. R.O.W. FOR TRACT NOS. 48, AND 50. UPDATED SLOPE EASEMENT FOR TRACT NO. 50, 56, 57, 58, AND 59. UPDATED CONSTRUCTION EASEMENT FOR TRACT NOS. 49, 50, 56, 58, AND 59. UPDATED OWNER NAMES FOR TRACT NOS. 57, 58, AND 59.

REV. 11-15-2024
UPDATED OWNER NAMES FOR TRACT NOS. 49, AND 50.



CONTROL POINTS

POINT	NORTH	EAST	ELEV.	STATION	CENTERLINE	OFFSET
CP-S7	571141.7810	1709174.3810	687.49	43+98.84	COLUMBIA	23.88' (RT)
CP-S8	571653.6280	1709171.2150	684.63	49+05.99	COLUMBIA	45.40' (LT)
CP-S9	572182.3500	1709319.1460	681.28	54+49.40	COLUMBIA	32.97' (RT)

R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PRESENT LAYOUT

STA. 43+00.00 TO STA. 56+00.00

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	7A

REV. 12-16-2021
UPDATED COUNTY RECORD INFORMATION FOR TRACT 56 AND TRACT 60.

UPDATED OWNER INFORMATION AND COUNTY RECORD INFORMATION FOR TRACT 57 AND TRACT 59.

REV. 07-29-2024
ADDED PROPOSED PUDE EASEMENTS TO TRACT NOS. 46, 48, AND 50. UPDATED PROP. R.O.W. FOR TRACT NOS. 48, AND 50. UPDATED SLOPE EASEMENT FOR TRACT NO. 50, 56, 57, 58, AND 59. UPDATED CONSTRUCTION EASEMENT FOR TRACT NOS. 49, 50, 56, 58, AND 59. UPDATED OWNER NAMES FOR TRACT NOS. 57, 58, AND 59.

REV. 11-15-2024
UPDATED OWNER NAMES FOR TRACT NOS. 49, AND 50.

POINT	BEARING	DISTANCE
G	N 82° 34' 33" W	17.00'
H	N 7° 25' 27" E	40.00'
I	N 82° 34' 33" W	17.00'

C & M HEATING & COOLING, INC.

CENTURY PLACE, LLC

ROLLING HILLS COMMUNITY CHURCH, INC.

FRANKLIN 240 LLC

AGNL BLADE LP

AGNL BLADE LP

CHEROKEE LUMBER, LLC

THE CITY OF FRANKLIN

COLUMBIA AVENUE

BEASLEY DRIVE

LUMBER DRIVE

PRIVATE ROAD (3)

PRIVATE ROAD(2)

PRIVATE ROAD(4)

SWANSON BRANCH

STA. 43+55.32 COLUMBIA AVE =
STA. 148+08.56 BEASLEY DR
N 571101.7083
E 1709145.0764

STA. 43+58.55 COLUMBIA AVE =
STA. 150+00.00 LUMBER DR
N 571104.9108
E 1709145.4937

STA. 49+76.85 COLUMBIA AVE =
STA. 155+00.00 PRIVATE RD(2)
N 571718.0314
E 1709225.3886

STA. 53+40.50 COLUMBIA AVE =
STA. 160+95.50 PRIVATE RD(3)
STA. 165+00.00 PRIVATE RD(4)
N 572078.6248
E 1709272.3770

CONTROL POINTS						
POINT	NORTH	EAST	ELEV.	STATION	CENTERLINE	OFFSET
CP-S7	571141.7810	1709174.3810	687.49	43+98.84	COLUMBIA	23.88' (RT)
CP-S8	571653.6280	1709171.2150	684.63	49+05.99	COLUMBIA	45.40' (LT)
CP-S9	572182.3500	1709319.1460	681.28	54+49.40	COLUMBIA	32.97' (RT)

CUT
FILL
CONST. ESMT.
PERM. DRAINAGE ESMT.
PERM. SLOPE ESMT.
PERM. PUDE

R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

RIGHT OF WAY DETAILS

STA. 43+00.00 TO STA. 56+00.00

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

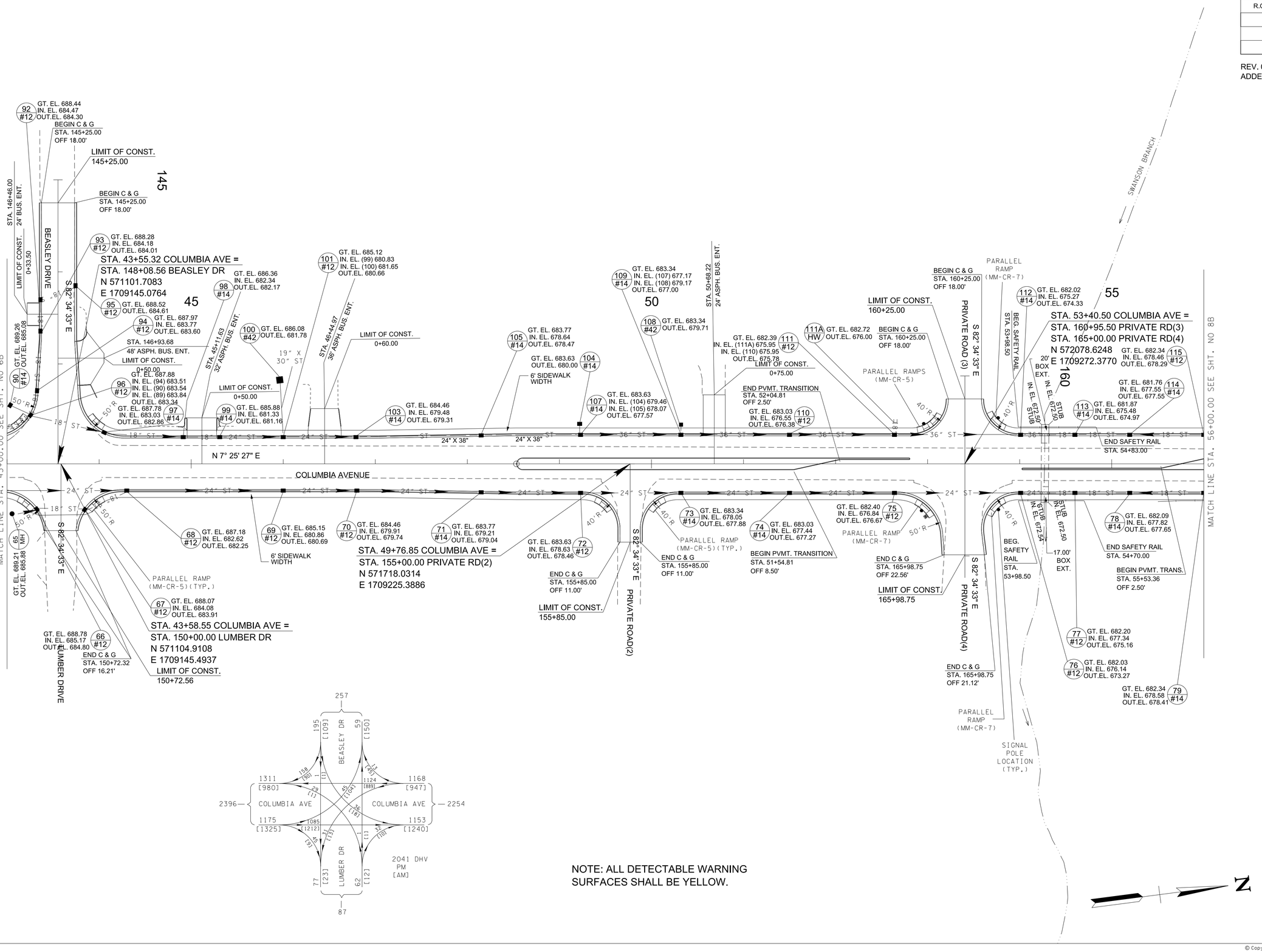
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	7B

REV. 02-11-2021
ADDED DRIVEWAY AT 146+46.00 RT.



NOTE: ALL DETECTABLE WARNING SURFACES SHALL BE YELLOW.

R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED LAYOUT

STA. 43+00.00 TO STA. 56+00.00

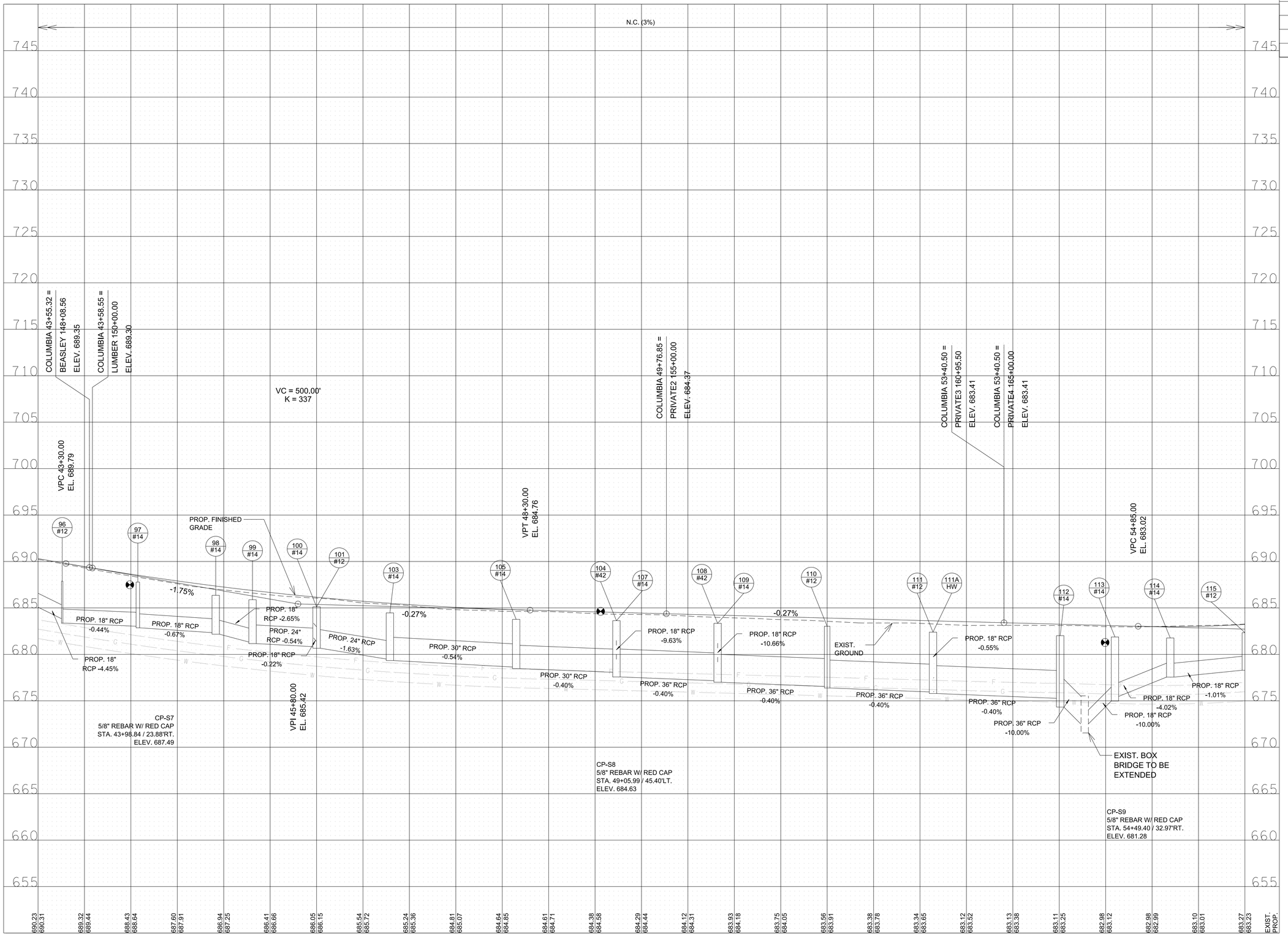
SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	7C



R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED PROFILE & DRAINAGE LEFT

43+00.00 TO STA. 56+00.00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

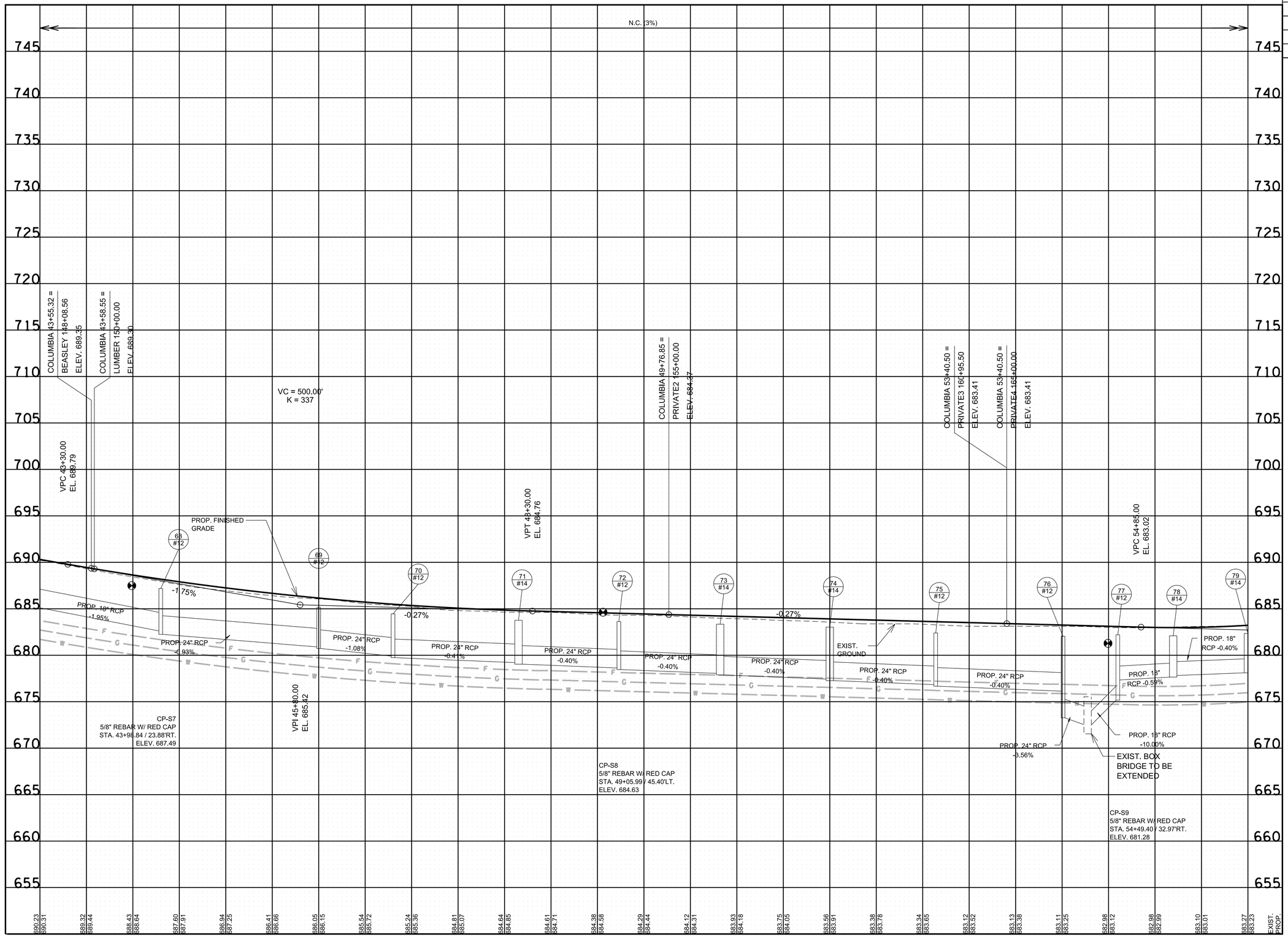
BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
$INSTR$
$USER$
TBL

DGN

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	7D



R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED PROFILE & DRAINAGE RIGHT

43+00.00 TO STA. 56+00.00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
$INSTR$
$USER$
TBL

DGN

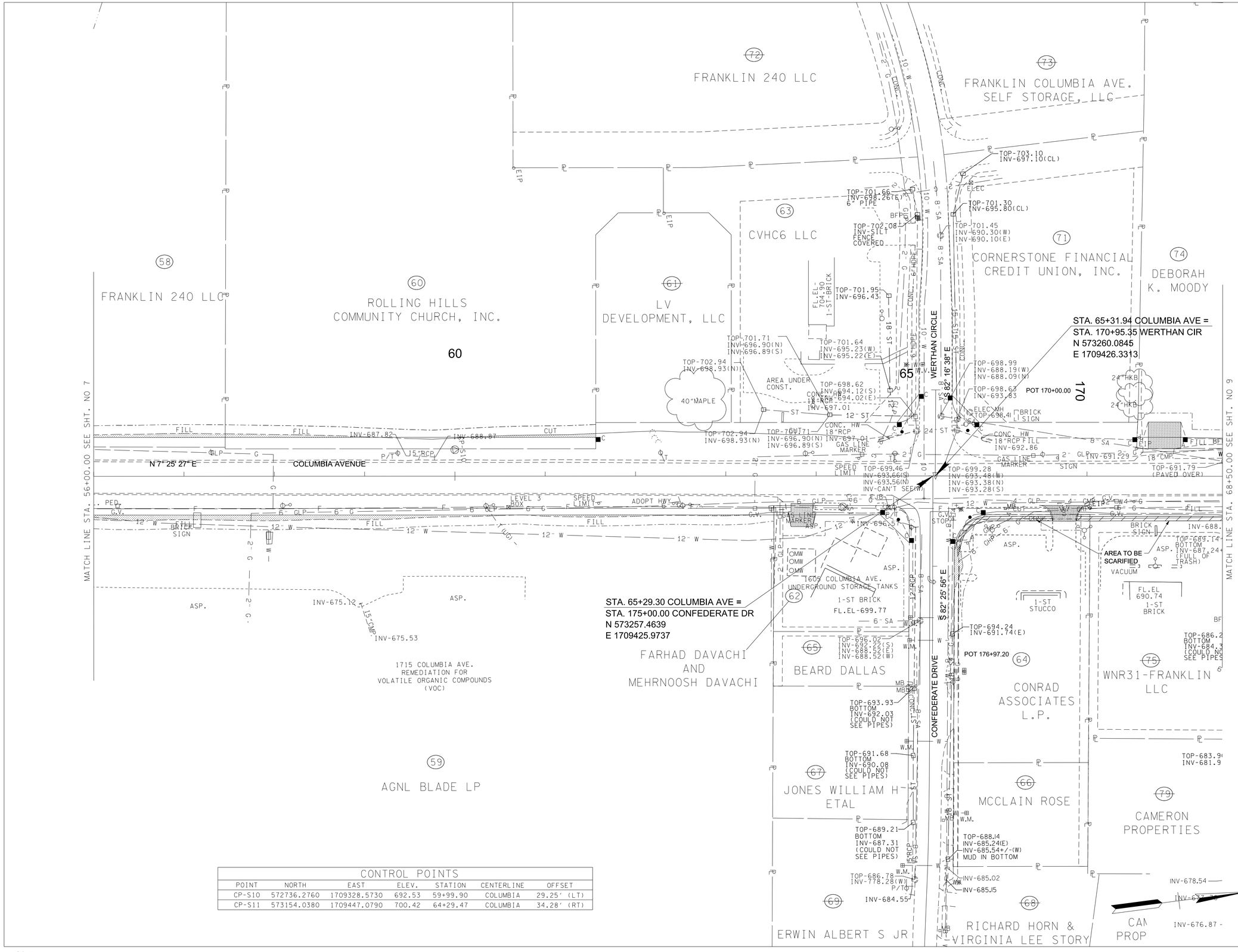
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	8

REV. 12-16-2021
UPDATED COUNTY RECORD INFORMATION FOR TRACT 60 AND UPDATED OWNER INFORMATION AND COUNTY RECORD INFORMATION FOR TRACT 59.

REV. 07-29-2024
UPDATED SLOPE EASEMENT FOR TRACT NOS. 58, 59, AND 60. UPDATED CONSTRUCTION EASEMENT FOR TRACT NOS. 58, 59, 62, 64, AND 74. REMOVED CONSTRUCTION EASEMENT FOR TRACT NO. 75. UPDATED OWNER NAMES FOR TRACT NOS. 58, 59, 62, 65, 67, 69, 72, AND 75.

REV. 11-15-2024
UPDATED OWNER NAMES FOR TRACT NOS. 62, 63, 64, AND 71. ADDED STRIKE THROUGH LINE TO TRACT NO. 75.



CONTROL POINTS						
POINT	NORTH	EAST	ELEV.	STATION	CENTERLINE	OFFSET
CP-S10	572736.2760	1709328.5730	692.53	59+99.90	COLUMBIA	29.25' (LT)
CP-S11	573154.0380	1709447.0790	700.42	64+29.47	COLUMBIA	34.28' (RT)

R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PRESENT LAYOUT

STA. 56+00.00 TO STA. 68+50.00

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
$INSTR$
$USER$
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DGN

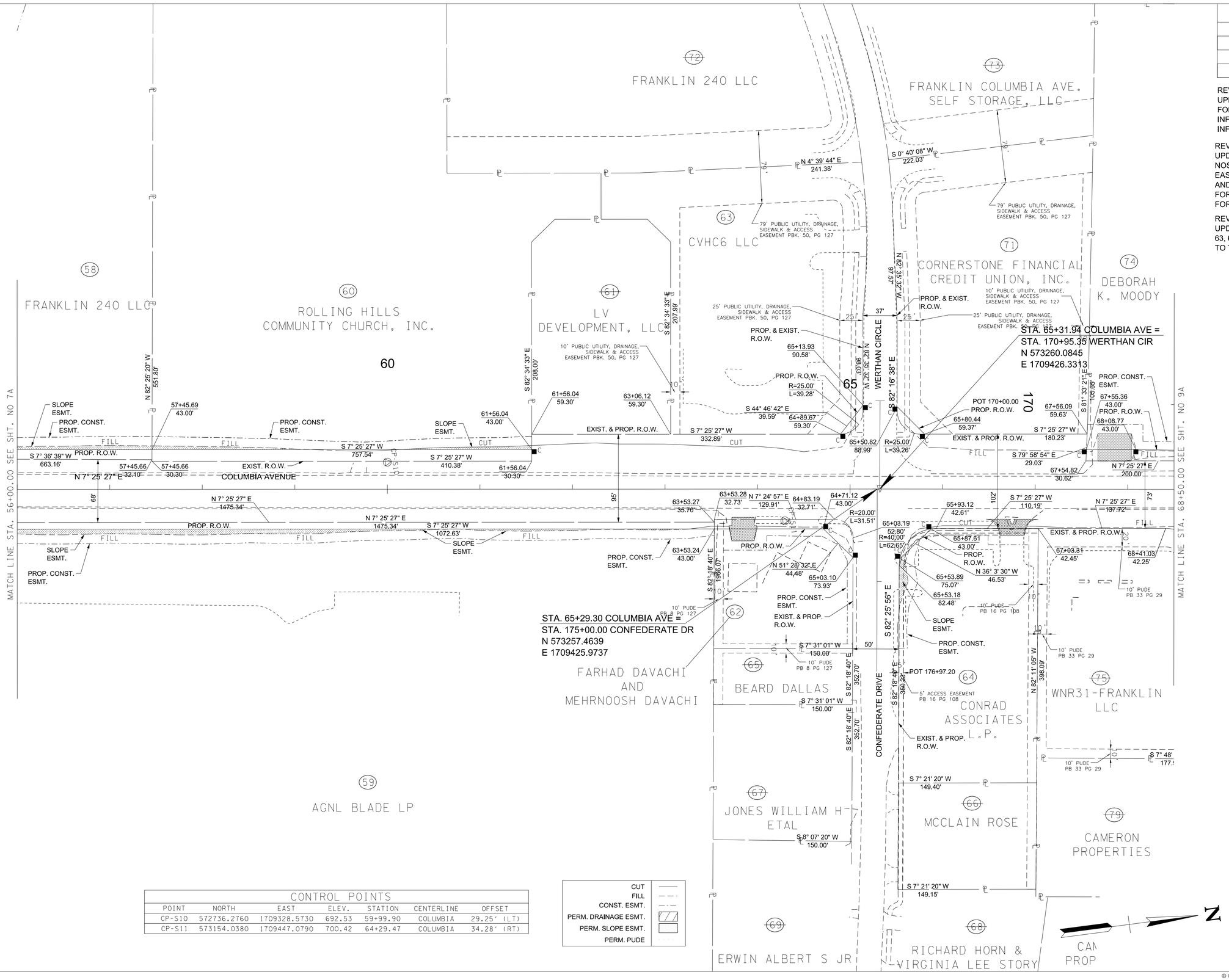
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	8A

REV. 12-16-2021
UPDATED COUNTY RECORD INFORMATION FOR TRACT 60 AND UPDATED OWNER INFORMATION AND COUNTY RECORD INFORMATION FOR TRACT 59.

REV. 07-29-2024
UPDATED SLOPE EASEMENT FOR TRACT NOS. 58, 59, AND 60. UPDATED CONSTRUCTION EASEMENT FOR TRACT NOS. 58, 59, 62, 64, AND 74. REMOVED CONSTRUCTION EASEMENT FOR TRACT NO. 75. UPDATED OWNER NAMES FOR TRACT NOS. 58, 59, 62, 65, 67, 69, 72, AND 75.

REV. 11-15-2024
UPDATED OWNER NAMES FOR TRACT NOS. 62, 63, 64, AND 71. ADDED STRIKE THROUGH LINE TO TRACT NO. 75.



R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

RIGHT OF WAY DETAILS

STA. 56+00.00 TO STA. 68+50.00

SCALE: 1"= 50'

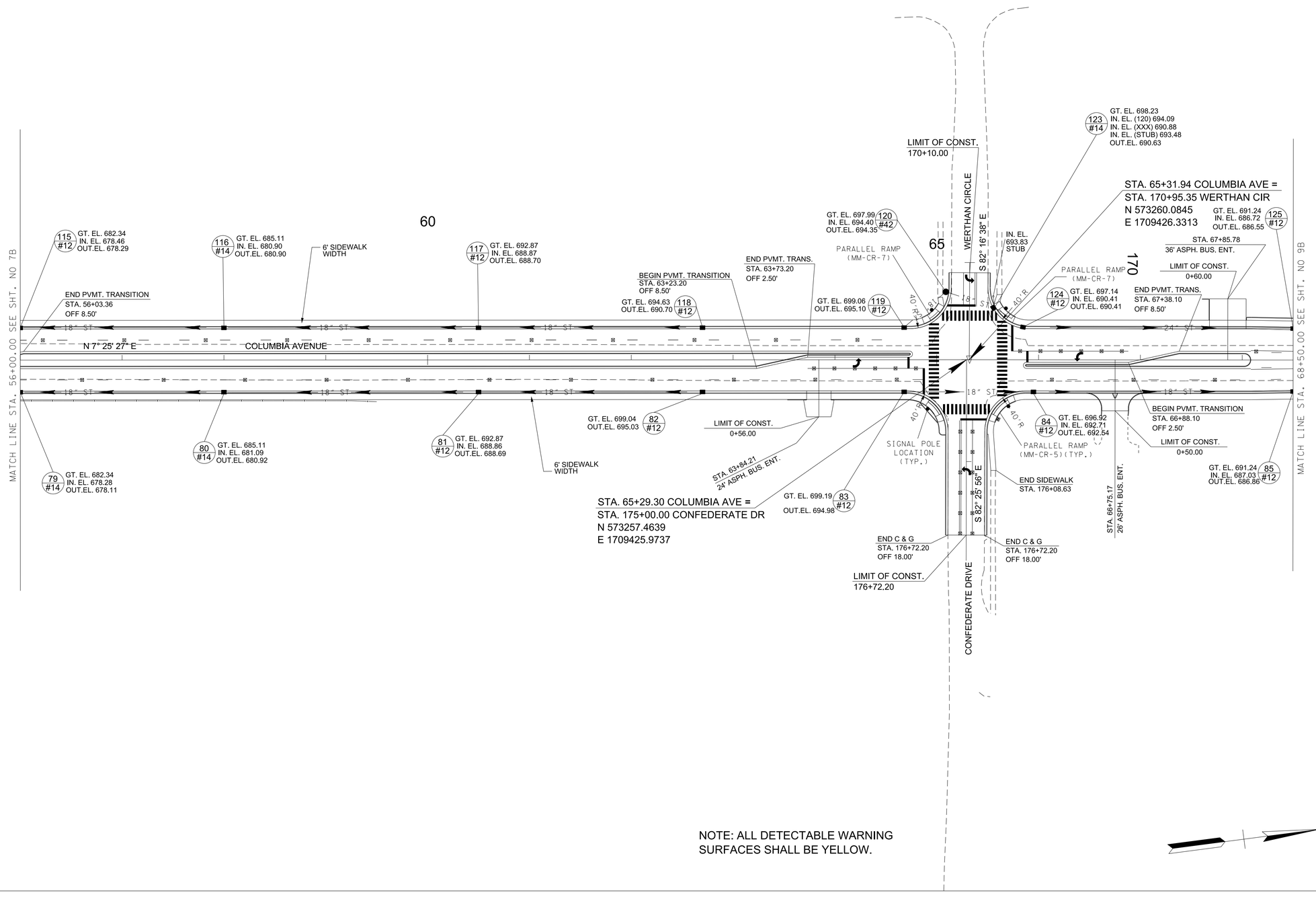
BARGE DESIGN SOLUTIONS

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$TIME$
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	8B

REV. 07-29-2024
REVISED CURB RAMPS AT CONFEDERATE DRIVE.



NOTE: ALL DETECTABLE WARNING SURFACES SHALL BE YELLOW.

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED LAYOUT

STA. 56+00.00 TO STA. 68+50.00

SCALE: 1"= 50'

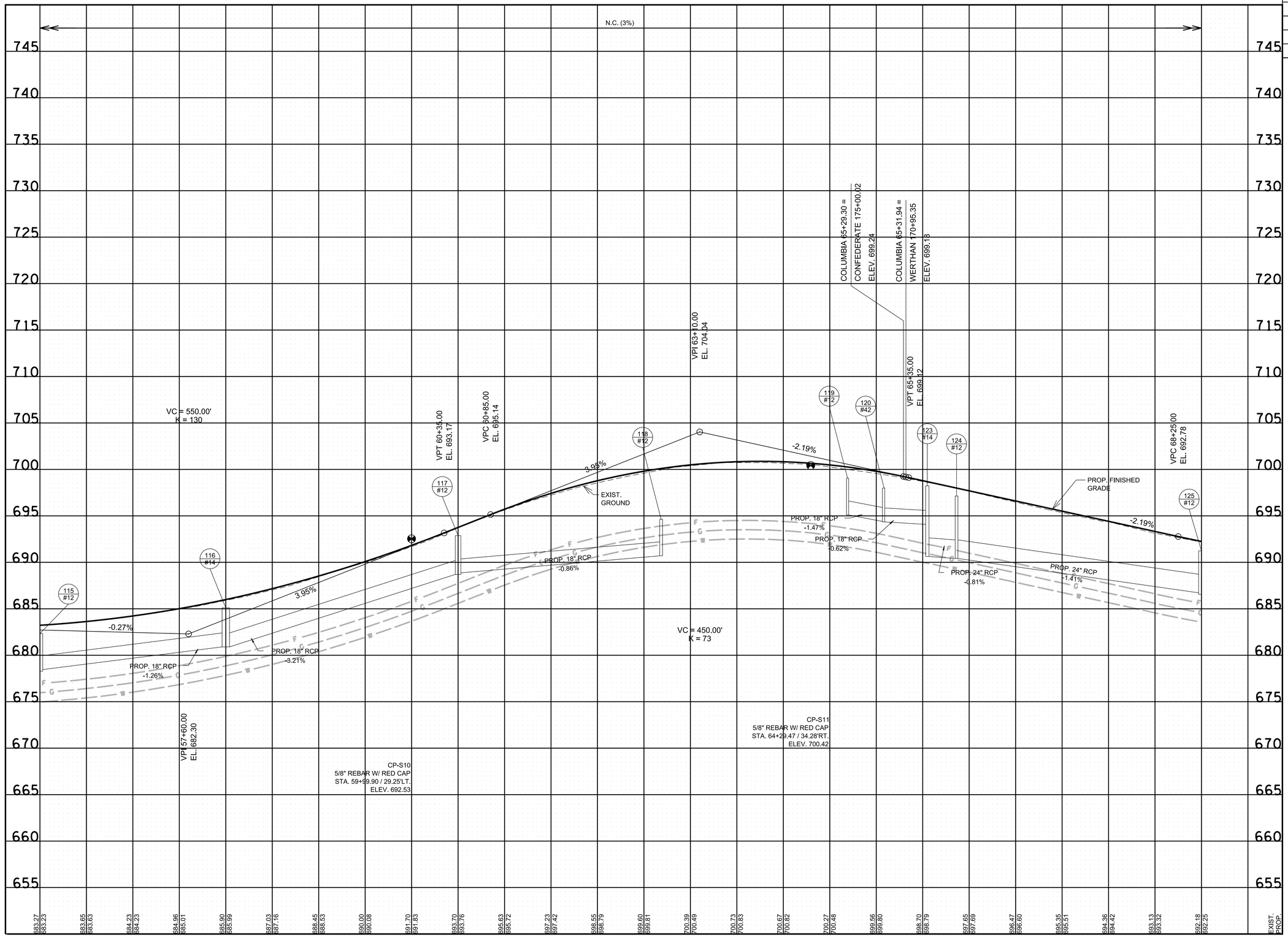
BARGE DESIGN SOLUTIONS

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$INSTR$
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	8C



R.O.W.

PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED PROFILE & DRAINAGE LEFT

56+00.00 TO STA. 68+50.00

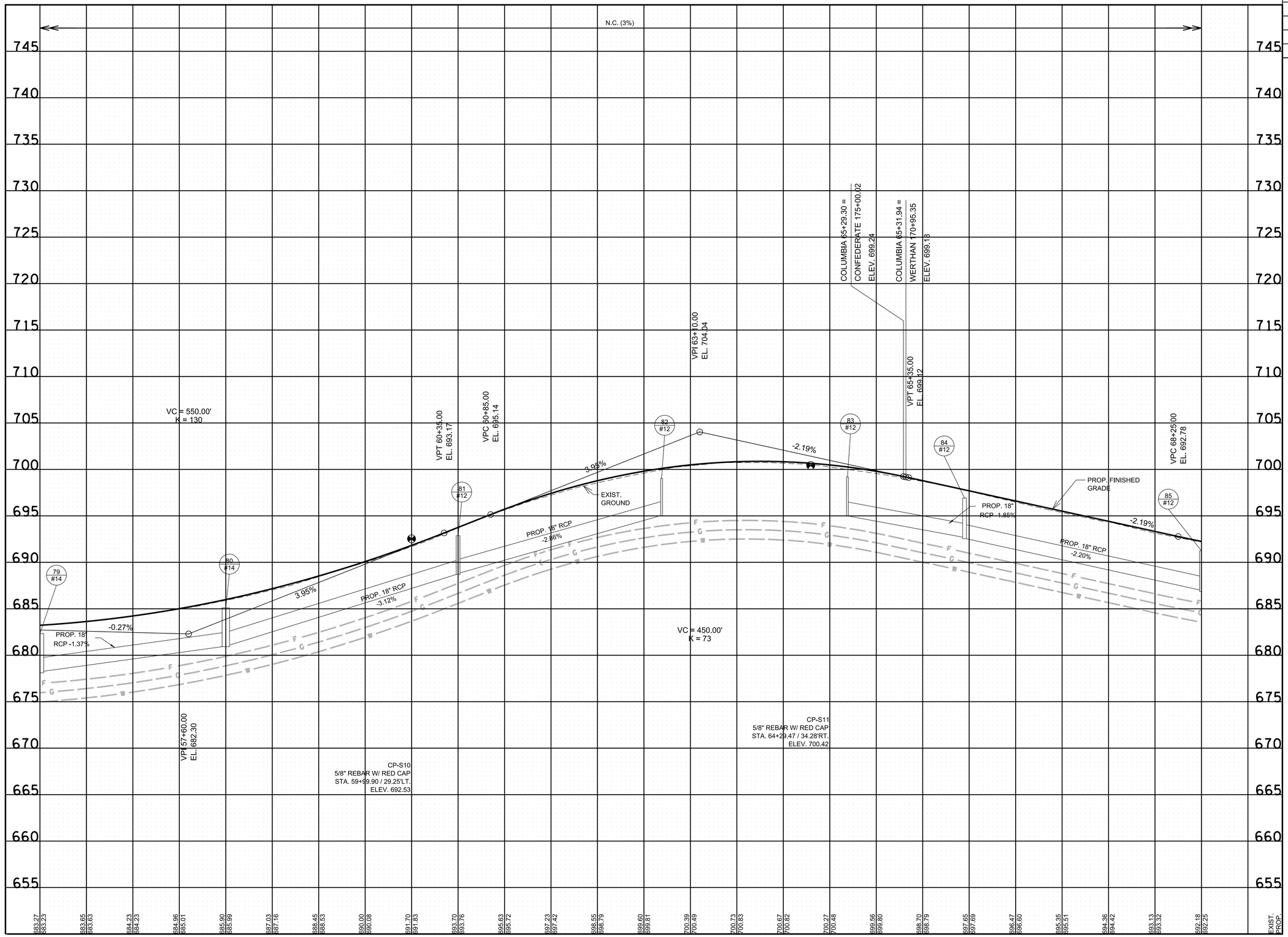
SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

BARGE DESIGN SOLUTIONS

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$TIME$
$INSTR$
$USER$
TBL
DGN

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	8D



R.O.W. PLANS

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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED PROFILE & DRAINAGE RIGHT

56+00.00 TO STA. 68+50.00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
$INSTR$
$USER$
TBL

DGN

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CONTROL POINTS						
POINT	NORTH	EAST	ELEV.	STATION	CENTERLINE	OFFSET
CP-S12	573721.4150	1709435.6270	690.81	69+90.54	COLUMBIA	51.06' (LT)
CP-S13	574204.9570	1709518.1030	688.68	74+80.71	COLUMBIA	32.46' (LT)
CP-S14	574775.3360	1709653.4040	689.01	80+63.74	COLUMBIA	29.37' (RT)

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	9

94LPLM-F2-078
END PROJ. NO. STP-M-NH-6(110) R.O.W.
STA. 80+68.73
N 574783.9882
E 1709624.8984

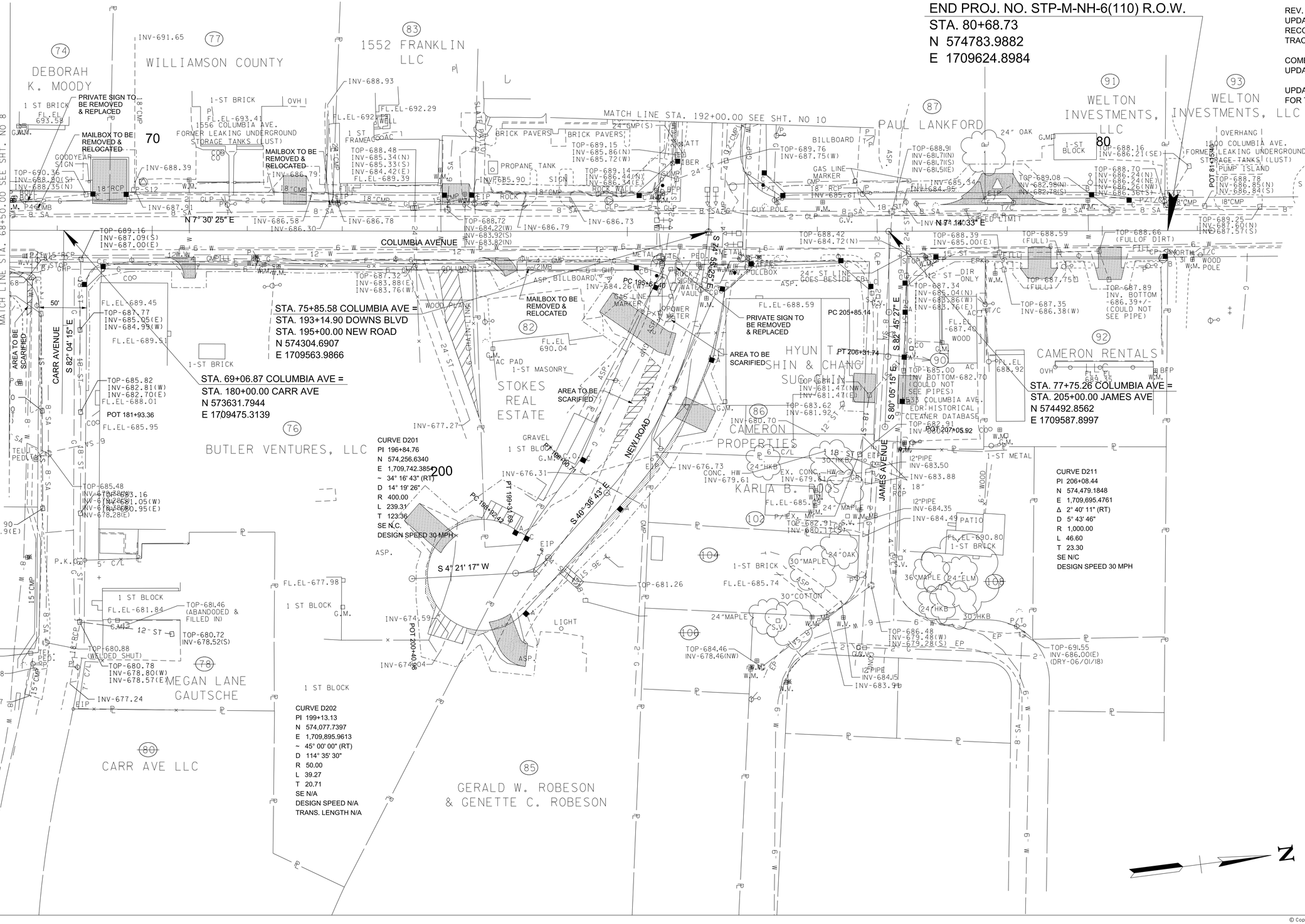
REV. 12-16-2021
UPDATED OWNER INFORMATION AND COUNTY RECORD INFORMATION FOR TRACT 57, TRACT 59, TRACT 82, TRACT 83, AND TRACT 92.

COMBINED TRACT 87 AND TRACT 89 AND UPDATED COUNTY RECORD INFORMATION.

UPDATED EASEMENTS AND EASEMENT LABELS FOR TRACT 84 AND TRACT 87.

REV. 07-29-2024
UPDATED PROPOSED R.O.W. FOR TRACT NOS. 82, 86, AND 87. UPDATED PERMANENT DRAINAGE EASEMENT FOR TRACT NOS. 84 AND 85. UPDATED SLOPE EASEMENT FOR TRACT NOS. 76, 82, 84, 85, 86, 87, 90, AND 91. UPDATED CONSTRUCTION EASEMENT FOR TRACT NOS. 74, 76, 77, 82, 84, 85, 86, 87, 90, 91, 92, AND 93. UPDATED OWNER NAMES FOR TRACT NOS. 78, 80, 82, 83, 92, AND 102.

REV. 11-15-2024
UPDATED OWNER NAMES FOR TRACT NOS. 82, AND 102.



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PRESENT LAYOUT

STA. 68+50.00 TO STA. 80+68.74

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
$INSTR$
$USER$
TBL
DGN

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CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	CENTERLINE	OFFSET
CP-S12	573721.4150	1709435.6270	690.81	69+90.54	COLUMBIA	51.06' (LT)
CP-S13	574204.9570	1709518.1030	688.68	74+80.71	COLUMBIA	32.46' (LT)
CP-S14	574775.3360	1709653.4040	689.01	80+63.74	COLUMBIA	29.37' (RT)

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	9A

94LPLM-F2-078
END PROJ. NO. STP-M-NH-6(110) R.O.W.
STA. 80+68.73
N 574783.9882
E 1709624.8984

REV. 12-16-2021
UPDATED OWNER INFORMATION AND COUNTY RECORD INFORMATION FOR TRACT 57, TRACT 59, TRACT 82, TRACT 83, AND TRACT 92.

COMBINED TRACT 87 AND TRACT 89 AND UPDATED COUNTY RECORD INFORMATION.

UPDATED EASEMENTS AND EASEMENT LABELS FOR TRACT 84 AND TRACT 87.

REV. 07-29-2024
UPDATED PROPOSED R.O.W. FOR TRACT NOS. 82, 86, AND 87. UPDATED PERMANENT DRAINAGE EASEMENT FOR TRACT NOS. 84 AND 85. UPDATED SLOPE EASEMENT FOR TRACT NOS. 76, 82, 84, 85, 86, 87, 90, AND 91. UPDATED CONSTRUCTION EASEMENT FOR TRACT NOS. 74, 76, 77, 82, 84, 85, 86, 87, 90, 91, 92, AND 93. UPDATED OWNER NAMES FOR TRACT NOS. 78, 80, 82, 83, 92, AND 102.

REV. 11-15-2024
UPDATED OWNER NAMES FOR TRACT NOS. 82, AND 102.

MATCH LINE STA. 68+50.00 SEE SHT. NO 8A

MATCH LINE STA. 192+00.00 SEE SHT. NO 10A

COLUMBIA AVENUE

CARR AVENUE

JAMES AVENUE

NEW ROAD

STA. 75+85.58 COLUMBIA AVE =
STA. 193+14.90 DOWNS BLVD
STA. 195+00.00 NEW ROAD
N 574304.6907
E 1709563.9866

STA. 69+06.87 COLUMBIA AVE =
STA. 180+00.00 CARR AVE
N 573631.7944
E 1709475.3139

STA. 77+75.26 COLUMBIA AVE =
STA. 205+00.00 JAMES AVE
N 574492.8562
E 1709587.8997

(76) BUTLER VENTURES, LLC

(78) MEGAN LANE GAUTSCHE

(80) CARR AVE LLC

(82) STOKES REAL ESTATE

(85) GERALD W. ROBESON & GENETTE C. ROBESON

(86) CAMERON PROPERTIES

(90) HYUN T. SHIN & CHANG SUG CHIN

(92) CAMERON RENTALS LLC

(102) KARLA B. ROOS

POINT	BEARING	DISTANCE
J	N 89° 08' 48" E	58.06'
K	N 78° 05' 22" E	104.28'
L	S 89° 08' 48" W	157.47'
M	S 55° 12' 21" E	15.82'
R	S 84° 35' 17" E	5.27'
S	S 84° 35' 17" E	29.38'

POINT	RADIUS	LENGTH
N	58.50'	36.37'
O	58.50'	41.50'
P	58.50'	55.64'
Q	58.50'	2.92'
T	58.50'	10.37'
U	422.11'	22.96'

CUT	
FILL	
CONST. ESMT.	
PERM. DRAINAGE ESMT.	
PERM. SLOPE ESMT.	
PERM. PUDE	

R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

RIGHT OF WAY DETAILS

STA. 68+50.00 TO STA. 80+68.74

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
$INSTR$
$USER$
TBL
DGN

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	9B

REV. 02-11-2021
UPDATED DRAINAGE STRUCTURES ALONG NEW ROAD FROM 199+00.00 TO 200+30.00

REV. 07-29-2024
UPDATED CURB AND GUTTER FROM 80+65.39 TO 80+90.84

94LPLM-F2-078
END PROJ. NO. STP-M-NH-6(110) R.O.W.
STA. 80+68.73
N 574783.9882
E 1709624.8984

MATCH LINE STA. 68+50.00 SEE SHT. NO 8B

MATCH LINE STA. 192+00.00 SEE SHT. NO 10B

70

80

200

COLUMBIA AVENUE

CARR AVENUE

JAMES AVENUE

NEW ROAD

DOWNS BLVD

PARALLEL RAMP (MM-CR-5)(TYP.)

PARALLEL RAMP (MM-CR-5)(TYP.)

SIGNAL POLE LOCATION (TYP.)

PARALLEL RAMP (MM-CR-5)(TYP.)

STA. 75+85.58 COLUMBIA AVE =
STA. 193+14.90 DOWNS BLVD
STA. 195+00.00 NEW ROAD
N 574304.6907
E 1709563.9866

STA. 69+06.87 COLUMBIA AVE =
STA. 180+00.00 CARR AVE
N 573631.7944
E 1709475.3139

STA. 77+75.26 COLUMBIA AVE =
STA. 205+00.00 JAMES AVE
N 574492.8562
E 1709587.8997

BEGIN PVMT. TRANSITION
STA. 79+88.03
OFF 28.35'

END PVMT. TRANSITION
STA. 80+65.39
OFF 17.00'

TIE TO EXIST. PAVEMENT

TIE TO EXIST. STA. 180+91.90

END C & G
STA. 181+68.36
OFF 20.00'

LIMIT OF CONST.
181+68.36

END C & G
STA. 193+14.90
OFF 664.92'

BEGIN PVMT. TRANSITION
NEW ROAD
STA. 196+29.20
OFF 4.73'

END PVMT. TRANSITION
NEW ROAD
STA. 196+79.05
OFF 3.94'

END C & G
STA. 206+80.92
OFF 12.00'

LIMIT OF CONST.
206+80.92

END C & G
STA. 206+80.92
OFF 12.00'

LIMIT OF CONST.
0+32.00

LIMIT OF CONST.
0+55.50

LIMIT OF CONST.
0+50.00

LIMIT OF CONST.
0+50.00

LIMIT OF CONST.
1+00.00

LIMIT OF CONST.
0+35.00

LIMIT OF CONST.
0+50.00

LIMIT OF CONST.
1+00.00

LIMIT OF CONST.
0+90.00

LIMIT OF CONST.
0+51.27

LIMIT OF CONST.
0+75.00

LIMIT OF CONST.
0+58.00

STA. 199+66.13
24' ASPH. BUS. ENT.

STA. 199+49.80
24' ASPH. BUS. ENT.

STA. 196+84.45
24' ASPH. BUS. ENT.

STA. 196+25.53
24' ASPH. BUS. ENT.

STA. 73+65.00
28' ASPH. BUS. ENT.

STA. 79+33.83
24' ASPH. BUS. ENT.

STA. 80+07.83
24' ASPH. BUS. ENT.

STA. 78+89.75
33' ASPH. BUS. ENT.

STA. 71+50.09
24' ASPH. BUS. ENT.

STA. 69+55.07
36' ASPH. BUS. ENT.

STA. 70+39.33
24' ASPH. BUS. ENT.

STA. 73+19.41
28' ASPH. BUS. ENT.

30' ASPH. BUS. ENT.

N 7° 30' 25" E

N 7° 14' 33" E

S 74° 55' 25" E

S 82° 04' 15" E

S 82° 35' 27" E

S 80° 05' 15" E

N 71° 30' 25" E
329.92'

S 40° 38' 43" E

S 4° 21' 17" W

GT. EL. 689.17 IN. EL. 688.39 OUT.EL. 683.88 — 129 #42
GT. EL. 689.45 IN. EL. (127) 684.78 OUT.EL. 684.78 — 128 #10
OUT.EL. 691.01 — 129A HW
GT. EL. 689.89 OUT.EL. 684.98 — 126 #44
GT. EL. 689.99 IN. EL. (125) 685.04 IN. EL. (126) 684.87 OUT.EL. 684.87 — 127 #12
GT. EL. 688.97 IN. EL. (128) 682.71 IN. EL. (129) 682.96 OUT.EL. 682.21 — 130 #14
GT. EL. 688.59 IN. EL. 682.06 OUT.EL. 681.89 — 131 #14
GT. EL. 688.23 IN. EL. 681.65 OUT.EL. 681.65 — 134 #12
GT. EL. 688.39 IN. EL. 681.79 OUT.EL. 681.79 — 132 #14
GT. EL. 688.22 IN. EL. 681.58 OUT. EL. 681.41 — 135 #14
GT. EL. 688.24 IN. EL. (135) 681.33 IN. EL. (138) 683.27 OUT.EL. 681.16 — 136 #12
GT. EL. 688.37 OUT EL. 688.93 — 137 #44
GT. EL. 688.26 IN. EL. 686.78 OUT.EL. 682.37 — 138 #42
GT. EL. 688.31 IN. EL. (138) 682.27 IN. EL. (136) 681.02 OUT.EL. 680.52 — 139 #14
GT. EL. 688.42 IN. EL. (139) 680.29 IN. EL. (141) 682.97 OUT.EL. 680.12 — 140 #14
GT. EL. 688.52 IN. EL. (142) 684.38 IN. EL. (143) 683.36 OUT.EL. 683.19 — 141 #12
GT. EL. 688.12 OUT EL. 684.49 — 142 #42
GT. EL. 688.61 IN. EL. 683.71 OUT.EL. 683.54 — 143 #12
GT. EL. 688.73 IN. EL. 684.15 OUT.EL. 683.98 — 144 #12
GT. EL. 688.80 OUT.EL. 684.30 — 145 #12
GT. EL. 689.05 IN. EL. 684.64 OUT.EL. 684.47 — 150 #42
GT. EL. 688.37 OUT.EL. 684.78 — 149 #43
GT. EL. 689.11 IN. EL. (150) 684.41 IN. EL. (157) 682.79 IN. EL. (158) 684.80 OUT.EL. 682.62 — 159 #14
GT. EL. 688.80 OUT.EL. 684.59 — 162 #12
GT. EL. 689.11 IN. EL. 685.39 OUT.EL. 685.02 — 158 #14
GT. EL. 688.70 IN. EL. (162) 684.40 IN. EL. (163A) 684.99 OUT.EL. 684.23 — 163 #10
GT. EL. 688.46 IN. EL. 679.07 OUT.EL. 678.90 — 173 #12
163A HW — OUT.EL. 687.23
6" SIDEWALK WIDTH
GT. EL. 688.42 IN. EL. 679.47 OUT.EL. 679.30 — 174 #14
GT. EL. 688.71 IN. EL. 679.79 OUT.EL. 679.62 — 175 #14
GT. EL. 688.72 IN. EL. 680.12 OUT.EL. 679.95 — 176 #12
GT. EL. 688.82 OUT.EL. 680.40 — 177 #43
GT. EL. 688.97 IN. EL. 684.76 OUT.EL. 684.59 — 86 #12
GT. EL. 688.27 IN. EL. 681.69 OUT.EL. 681.69 — 133 #14
GT. EL. 688.22 IN. EL. 684.00 OUT.EL. 683.83 — 87 #14
GT. EL. 688.97 IN. EL. (159) 682.18 IN. EL. (161) 677.22 OUT.EL. 677.05 — 160 MH
GT. EL. 688.73 OUT.EL. 684.01 — 148 #14
GT. EL. 689.05 IN. EL. 677.65 OUT.EL. 677.48 — 161 #12
GT. EL. 685.57 OUT.EL. 681.59 — 178 #12
GT. EL. 688.90 IN. EL. (163) 684.03 IN. EL. (168) 678.15 OUT.EL. 677.98 — 164 #12
GT. EL. 684.68 IN. EL. 679.69 OUT.EL. 679.41 — 180 #12
GT. EL. 688.61 IN. EL. 683.74 OUT.EL. 683.57 — 147 #12
GT. EL. 688.47 IN. EL. (87) 683.21 IN. EL. (140) 679.87 IN. EL. (147) 683.25 OUT.EL. 678.07 — 146 #12
IN. EL. 677.27 STUB
GT. EL. 684.68 IN. EL. (160) 676.63 IN. EL. (180) 679.30 OUT.EL. 676.46 — 179 #12
GT. EL. 682.8 IN. EL. (179) 676.01 IN. EL. (182) 676.66 OUT.EL. 675.84 — 181 #12
GT. EL. 688.41 IN. EL. 681.84 OUT.EL. 681.67 — 165 #12
165A EW — IN. EL. 681.47
182A HW — IN.EL. 677.33
184A HW — IN. EL. 675.32
GT. EL. 683.51 IN. EL. 676.99 OUT.EL. 676.82 — 182 #12
GT. EL. 682.43 IN. EL. (181) 675.40 IN. EL. (183A) 677.48 OUT.EL. 675.23 — 183 #12
183A HW — IN. EL. 677.65
GT. EL. 681.08 IN. EL. (183) 674.80 IN. EL. (184A) 674.90 OUT.EL. 674.63 — 184 #14
184B EW — OUT. EL. 674.59
GT. EL. 688.20 IN. EL. (170) 683.61 IN. EL. (169A) 684.03 OUT.EL. 683.44 — 169 #14
169A HW — IN. EL. 688.65
GT. EL. 688.79 IN. EL. (169) 683.21 IN. EL. (173) 678.74 OUT.EL. 678.57 — 168 #12
GT. EL. 686.24 OUT.EL. 682.34 — 166 #12
GT. EL. 688.72 IN. EL. (171) 684.13 IN. EL. (170) 684.55 OUT.EL. 683.96 — 170 #12
170A HW — IN. EL. 687.88
171A HW — IN. EL. 688.06
GT. EL. 688.80 OUT.EL. 684.71 — 172 #14
GT. EL. 688.86 IN. EL. (172) 684.48 IN. EL. (171A) 685.03 OUT.EL. 684.31 — 171 #10

1156
555 [670] DOWNS BLVD 620 [467]
1140 [1067] 778 [568]
2255 — COLUMBIA AVE — COLUMBIA AVE — 1461
1157 [1145] 730 [846]
13 [10] DOWNS BLVD 13 [7]
22
2041 DHV
PM
[AM]

NOTE: ALL DETECTABLE WARNING SURFACES SHALL BE YELLOW.

R.O.W.

PLANS

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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED LAYOUT

STA. 68+50.00 TO STA. 80+68.74

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	9C

N.C. (3%)

COLUMBIA 69+06.87 =
CARR 180+00.00
ELEV. 691.21

VC = 350.00'
K = 148

VPI 70+00.00
EL. 688.95

VPT 71+75.00
EL. 689.24

COLUMBIA 75+85.58 =
NEWROAD 195+00.00
ELEV. 689.87

COLUMBIA 75+85.58 =
DOWNS 193+14.90
ELEV. 689.87

COLUMBIA 77+75.26 =
JAMES 205+00.00
ELEV. 689.57

94LPLM-F3-079
END PROJ. NO. STP-M-NH-6(110) R.O.W.
STA. 80+68.73
N 574783.9882
E 1709624.8984

VC = 200.00'
K = 425

VPC 75+00.00
EL. 689.79

VPI 76+00.00
EL. 689.96

VPT 77+00.00
EL. 689.74

VPC 78+00.00
EL. 689.52

VPT 80+00.00
EL. 689.55

VPI 80+65.40
EL. 689.71

129A HW
125 #12
127 #12
126 #44
128 #12
129 #42
130 #14
131 #14
132 #14
133 #14
134 #12
136 #12
137 #12
135 #14
138 #42
139 #14
140 #14
141 #12
142 #42
143 #12
144 #12
145 #12
162 #12
163 #10
163A HW
173 #12
174 #14
175 #14
176 #12
177 #43

EXIST. GROUND
PROP. FINISHED GRADE

2.19%
0.17%
0.17%
-0.22%
0.25%

PROP. 24" RCP -1.82%
PROP. 24" RCP -0.40%
PROP. 24" RCP -1.37%
PROP. 18" RCP -3.51%
PROP. 24" RCP -6.23%
PROP. 36" RCP -0.40%
PROP. 36" RCP -0.40%
PROP. 36" RCP -0.40%
PROP. 30" RCP -0.38%
PROP. 42" RCP -0.42%
PROP. 42" RCP -0.40%
PROP. 18" RCP -0.40%
PROP. 18" RCP -0.40%
PROP. 18" RCP -0.40%
PROP. 18" RCP 6.65%
PROP. 18" RCP -0.40%
PROP. 36" RCP -0.40%
PROP. 36" RCP -0.30%
PROP. 36" RCP -0.57%
PROP. 36" RCP -0.40%

CP-S12
5/8" REBAR W/ RED CAP
STA. 69+90.54 / 51.06'LT.
ELEV. 690.81

CP-S13
5/8" REBAR W/ RED CAP
STA. 74+80.71 / 32.46'LT.
ELEV. 688.68

CP-S14
5/8" REBAR W/ RED CAP
STA. 80+63.74 / 29.37'RT.
ELEV. 689.01

VPI 79+00.00
EL. 689.30

VC = 200.00'
K = 512

	69+00	70+00	71+00	72+00	73+00	74+00	75+00	76+00	77+00	78+00	79+00	80+00	81+00	
EXIST.	692.18	691.35	690.69	690.15	689.79	689.60	689.53	689.54	689.54	689.57	689.62	689.63	689.70	689.78
PROP.	692.25	691.32	690.57	689.98	689.56	689.31	689.22	689.29	689.37	689.46	689.54	689.62	689.71	689.79
EXIST.	689.74	689.75	689.69	689.74	689.75	689.58	689.48	689.42	689.40	689.44	689.53	689.66	689.90	
PROP.	689.85	689.86	689.74	689.85	689.83	689.63	689.52	689.44	689.42	689.45	689.55	689.67		

R.O.W.
PLANS

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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED PROFILE & DRAINAGE LEFT

68+50.00 TO STA. EOP

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	9D

N.C. (3%)

COLUMBIA 69+06.87 =
CARR 180+00.00
ELEV. 691.21

VC = 350.00'
K = 148

VPI 70+00.00
EL. 688.95

VPT 71+75.00
EL. 689.24

COLUMBIA 75+85.58 =
NEWROAD 195+00.00
ELEV. 689.87

COLUMBIA 75+85.58 =
DOWNS 193+14.90
ELEV. 689.87

COLUMBIA 77+75.26 =
JAMES 205+00.00
ELEV. 689.57

94LPLM-F3-079
END PROJ. NO. STP-M-NH-6(110) R.O.W.
STA. 80+68.73
N 574783.9882
E 1709624.8984

VC = 200.00'
K = 425

VPC 75+00.00
EL. 689.79

VPI 76+00.00
EL. 689.96

VPT 77+00.00
EL. 689.74

VPC 78+00.00
EL. 689.52

VPT 80+00.00
EL. 689.55

VPI 80+65.40
EL. 689.71

EXIST. GROUND

PROP. FINISHED GRADE

PROP. 18" RCP -10.00%

85 #12 | 86 #12 | 87 #14 | 140 #12 | 146 #12 | 147 #12 | 148 #14 | 160 #43 | 161 #12 | 164 #12 | 168 #12 | 169 #14 | 169A HW | 170 #12 | 170A HW | 171 #12 | 171A HW | 172 #14

2.19%
PROP. 18" RCP -1.44%
0.17%
PROP. 18" RCP -0.41%
PROP. 18" RCP -0.41%
PROP. 18" RCP -0.40%
0.17%
-0.22%
0.25%
PROP. 18" RCP -10.00%
PROP. 18" RCP -10.00%
PROP. 18" -0.40%
PROP. 24" -0.40%
PROP. 24" -0.70%
PROP. 24" RCP -0.49%
PROP. 42" -0.40%
PROP. 24" -0.48%
PROP. 36" RCP -0.40%
PROP. 36" RCP -0.40%
PROP. 36" RCP -0.40%

VPI 79+00.00
EL. 689.30

CP-S12
5/8" REBAR W/ RED CAP
STA. 69+90.54 / 51.06'LT.
ELEV. 690.81

CP-S13
5/8" REBAR W/ RED CAP
STA. 74+80.71 / 32.46'LT.
ELEV. 688.68

CP-S14
5/8" REBAR W/ RED CAP
STA. 80+63.74 / 29.37'RT.
ELEV. 689.01

VC = 200.00'
K = 512

	69+00	70+00	71+00	72+00	73+00	74+00	75+00	76+00	77+00	78+00	79+00	80+00	81+00	
EXIST.	692.18	691.35	690.69	690.15	689.79	689.60	689.53	689.54	689.54	689.57	689.62	689.63	689.70	689.78
PROP.	692.25	691.32	690.57	689.98	689.56	689.31	689.22	689.29	689.37	689.46	689.54	689.62	689.71	689.79
EXIST.	689.74	689.75	689.75	689.69	689.58	689.48	689.42	689.40	689.44	689.53	689.66	689.90		
PROP.	689.85	689.86	689.83	689.74	689.63	689.52	689.44	689.42	689.45	689.55	689.67			

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED PROFILE & DRAINAGE RIGHT

68+50.00 TO STA. EOP

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	10

REV. 12-16-2021
UPDATED OWNER INFORMATION AND COUNTY RECORD INFORMATION FOR TRACT 83.

COMBINED TRACT 87 AND TRACT 89 AND UPDATED COUNTY RECORD INFORMATION.

UPDATED EASEMENTS AND EASEMENT LABELS FOR TRACT 84 AND TRACT 87.

REV. 07-29-2024
UPDATED PROPOSED R.O.W. FOR TRACT NO. 87. UPDATED PERMANENT DRAINAGE EASEMENT FOR TRACT NO. 84. UPDATED SLOPE EASEMENT FOR TRACT NOS. 84 AND 87. UPDATED CONSTRUCTION EASEMENT FOR TRACT NOS. 84 AND 87. UPDATED OWNER NAMES FOR TRACT NOS. 83, 84, AND 88.

185

190

24"PINE

12" W

72'

CUT

FILL

CRT

NO DUMPING

88

DOWNS PARTNERS LLC

18"PINE

TEL. PED.

INV-700.58

1-ST METAL

6' C/L

C

EIP

12" W

CUT

6' C/L

418 CMP

CONC.

EIP

EIP

S 89° 47' 57" E

W

B

B

INV-696.64

INV-688.45

INV-690.62

24"REDBUD

1-ST WOOD

15" CMP

24" W

12" RW

6' C/L

65'

INV-688.21

84

203 DOWNS AVE LLC

FILL

DOWNS BOULEVARD

87

PAUL LANKFORD

FL.EL-694.33

INV-687.94

64'

91

WELTON INVESTMENTS, LLC

97

95

TOP-690.74
INV-687.24
TO FLOOR
INLET UNDER
SIDEWALK
FULL OF TRASH

BF

74

DEBORAH K. MOODY

INV-691.65

77

WILLIAMSON COUNTY

1-ST BRICK

OVH

INV-688.93

FL.EL-692.29

83

1552 FRANKLIN LLC

DOWNS AVE

24" MASONRY

FL.EL-693.84

FDC

75

INV-687.77

INV-687.21

TOP-689.67

W

TRUCK ROUTE

DITCH

CMP

INV-688.47

TEL. PED.

93

WELTON INVESTMENTS, LLC

OVERHANG

24" OAK

MATCH LINE STA. 192+00.00 SEE SHT. NO 9

N

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PRESENT LAYOUT

STA. 185+50.00 TO STA. 192+00.00

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	10A

REV. 12-16-2021
UPDATED OWNER INFORMATION AND COUNTY RECORD INFORMATION FOR TRACT 83.

COMBINED TRACT 87 AND TRACT 89 AND UPDATED COUNTY RECORD INFORMATION.

UPDATED EASEMENTS AND EASEMENT LABELS FOR TRACT 84 AND TRACT 87.

REV. 07-29-2024
UPDATED PROPOSED R.O.W. FOR TRACT NO. 87. UPDATED PERMANENT DRAINAGE EASEMENT FOR TRACT NO. 84. UPDATED SLOPE EASEMENT FOR TRACT NOS. 84 AND 87. UPDATED CONSTRUCTION EASEMENT FOR TRACT NOS. 84 AND 87. UPDATED OWNER NAMES FOR TRACT NOS. 83, 84, AND 88.



CUT	
FILL	
CONST. ESMT.	
PERM. DRAINAGE ESMT.	
PERM. SLOPE ESMT.	
PERM. PUDE	

R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

RIGHT OF WAY DETAILS

STA. 185+50.00 TO STA. 192+00.00

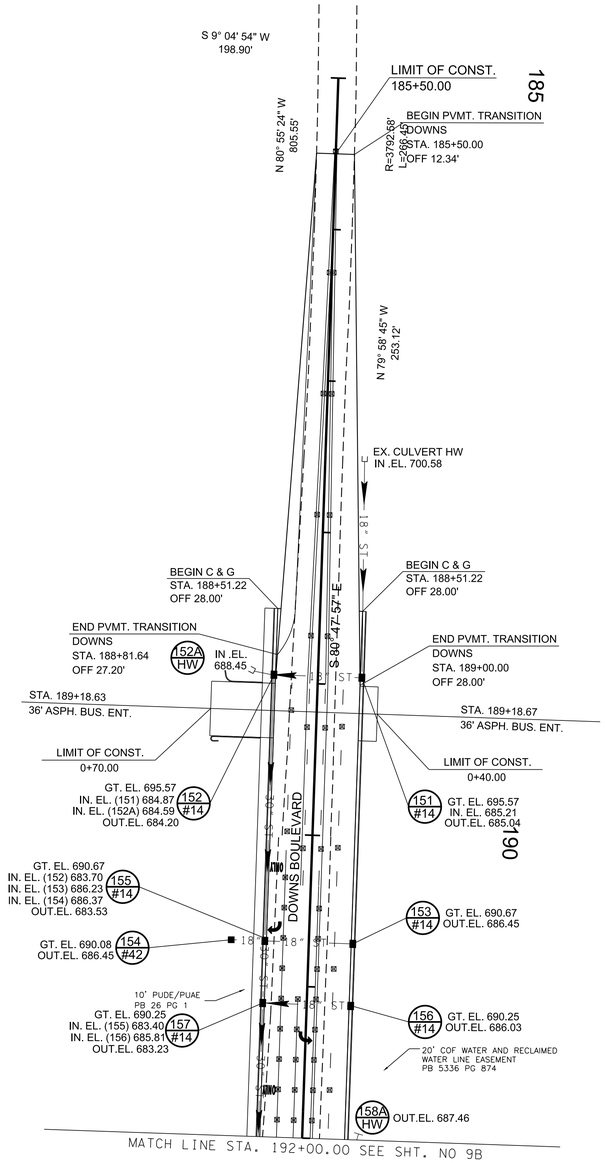
SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

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$TIME$
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DGN

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	10B



R.O.W.

PLANS

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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED
LAYOUT

STA. 185+50.00 TO STA. 192+00.00

SCALE: 1"= 50'

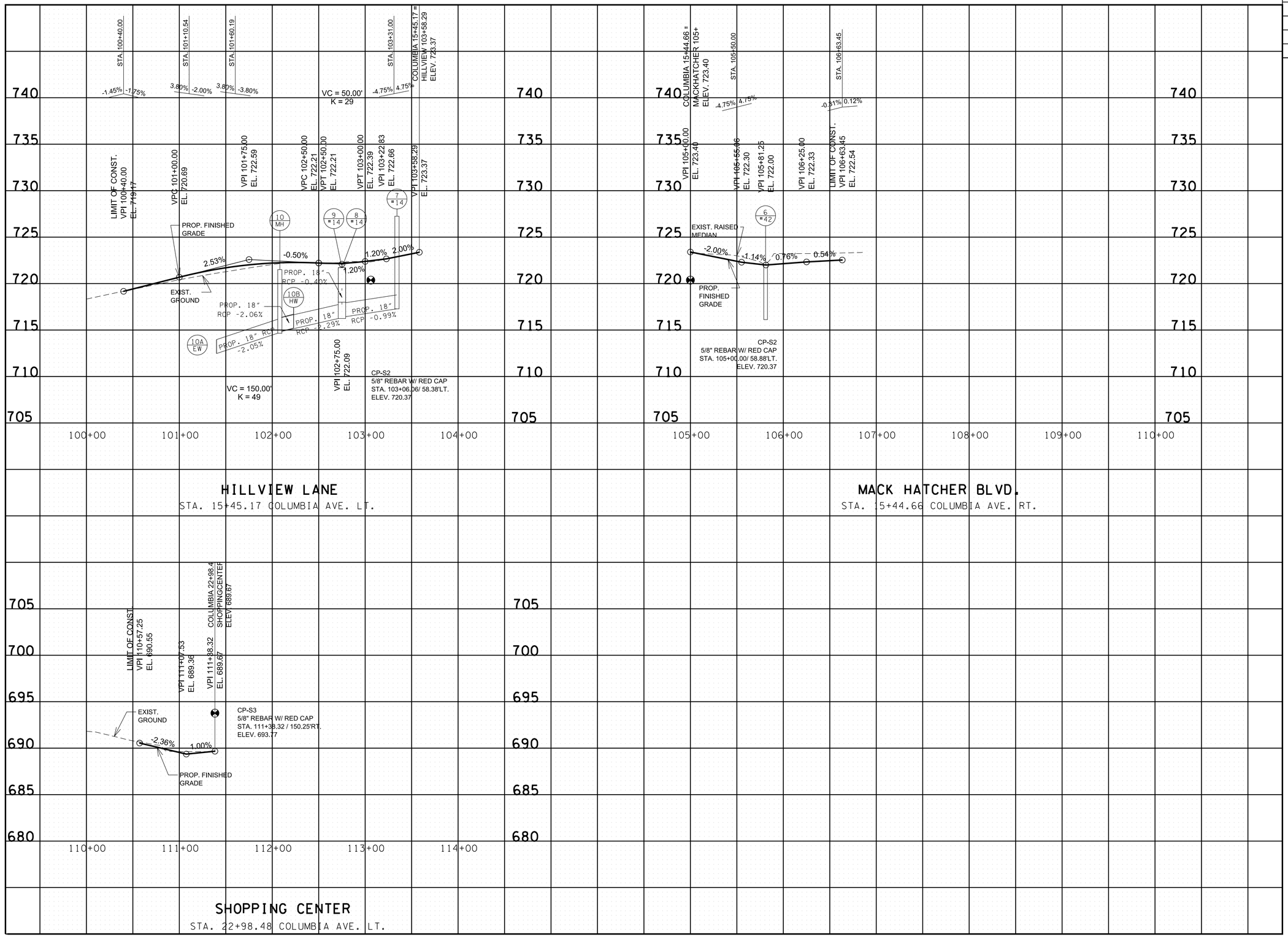
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	11



R.O.W. PLANS

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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIDEROAD PROFILES

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

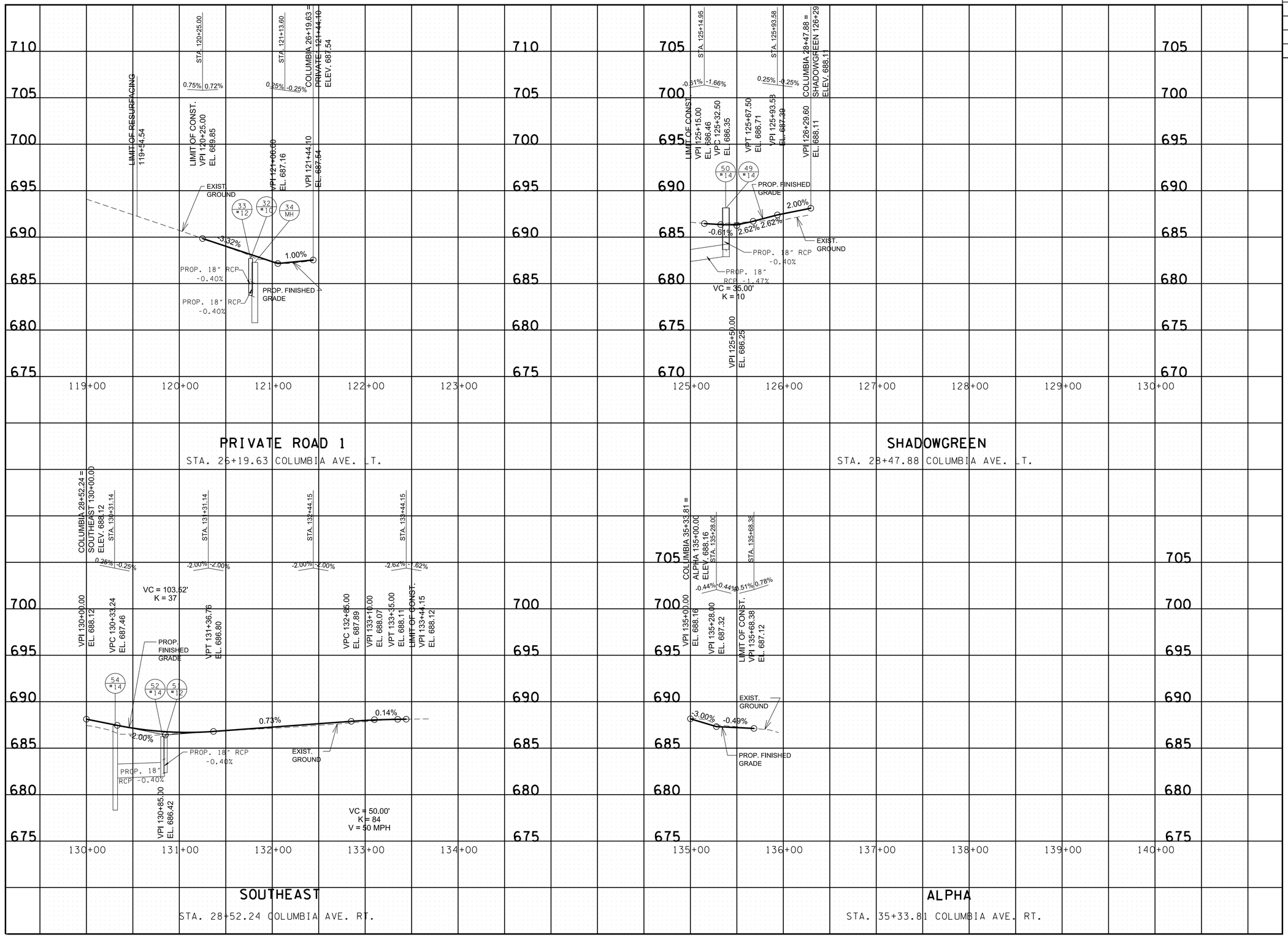
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$TIME$
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	12



R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIDEROAD PROFILES

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

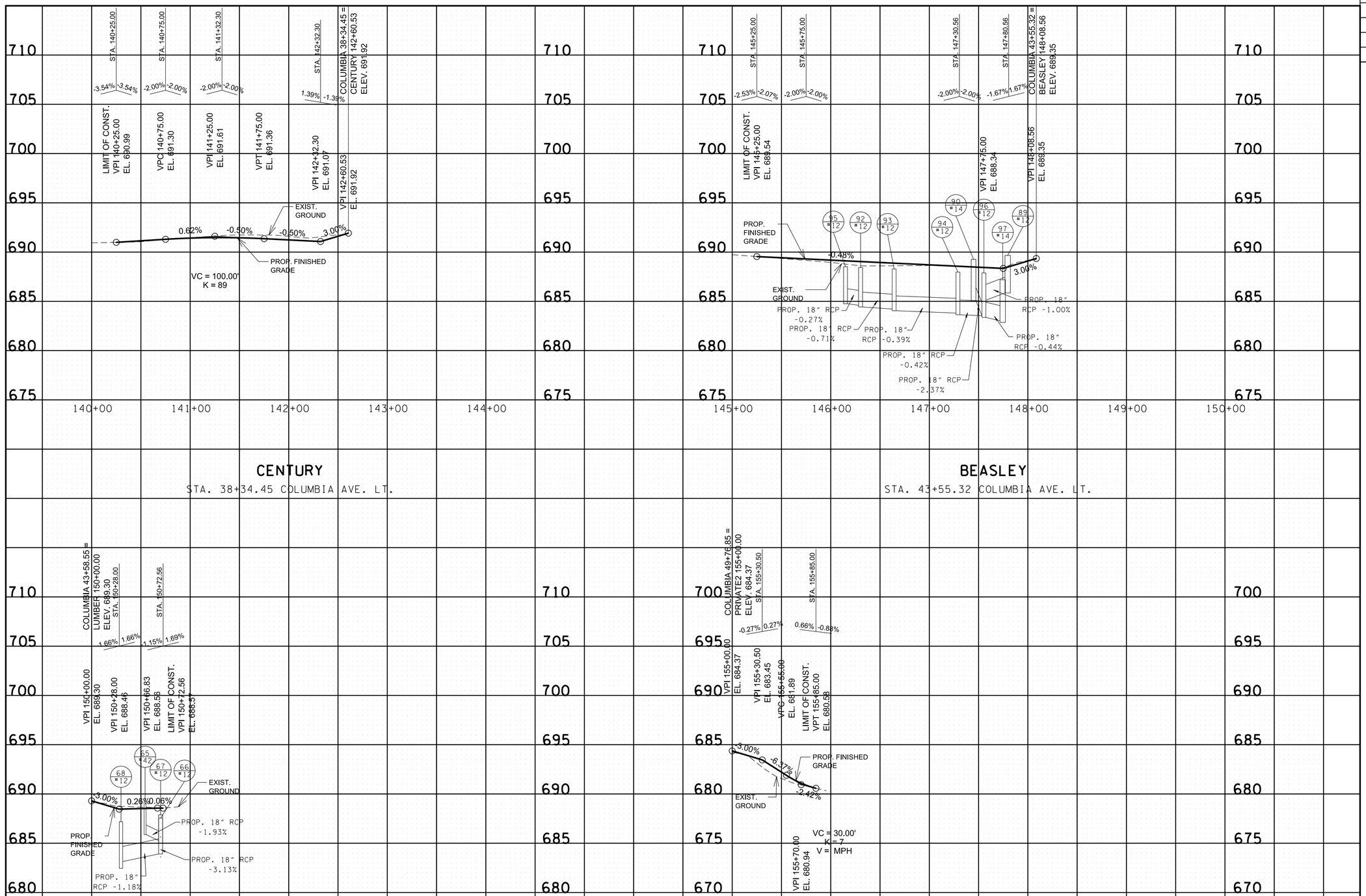
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	13



R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIDEROAD PROFILES

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

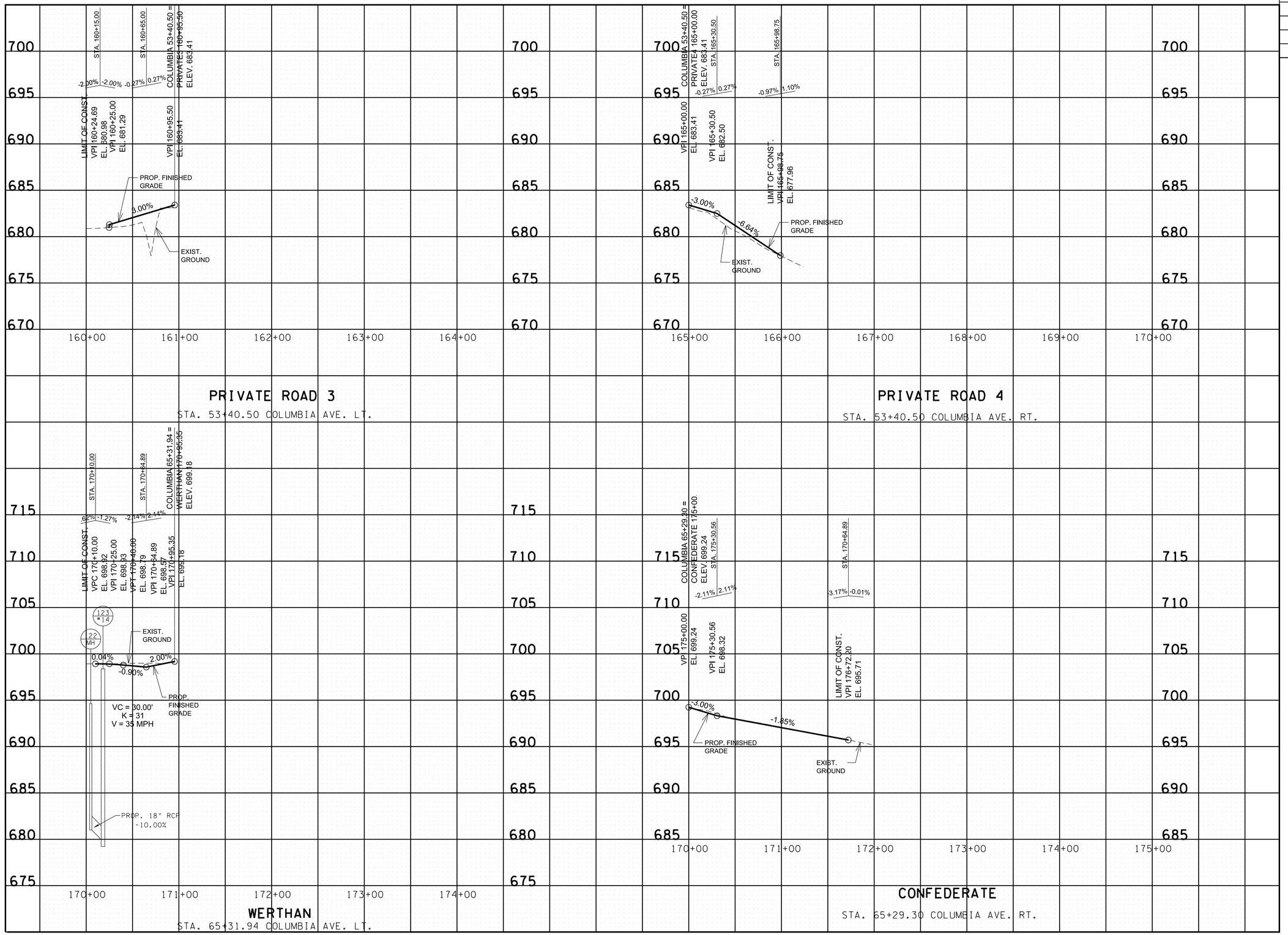
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	14



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIDEROAD PROFILES

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

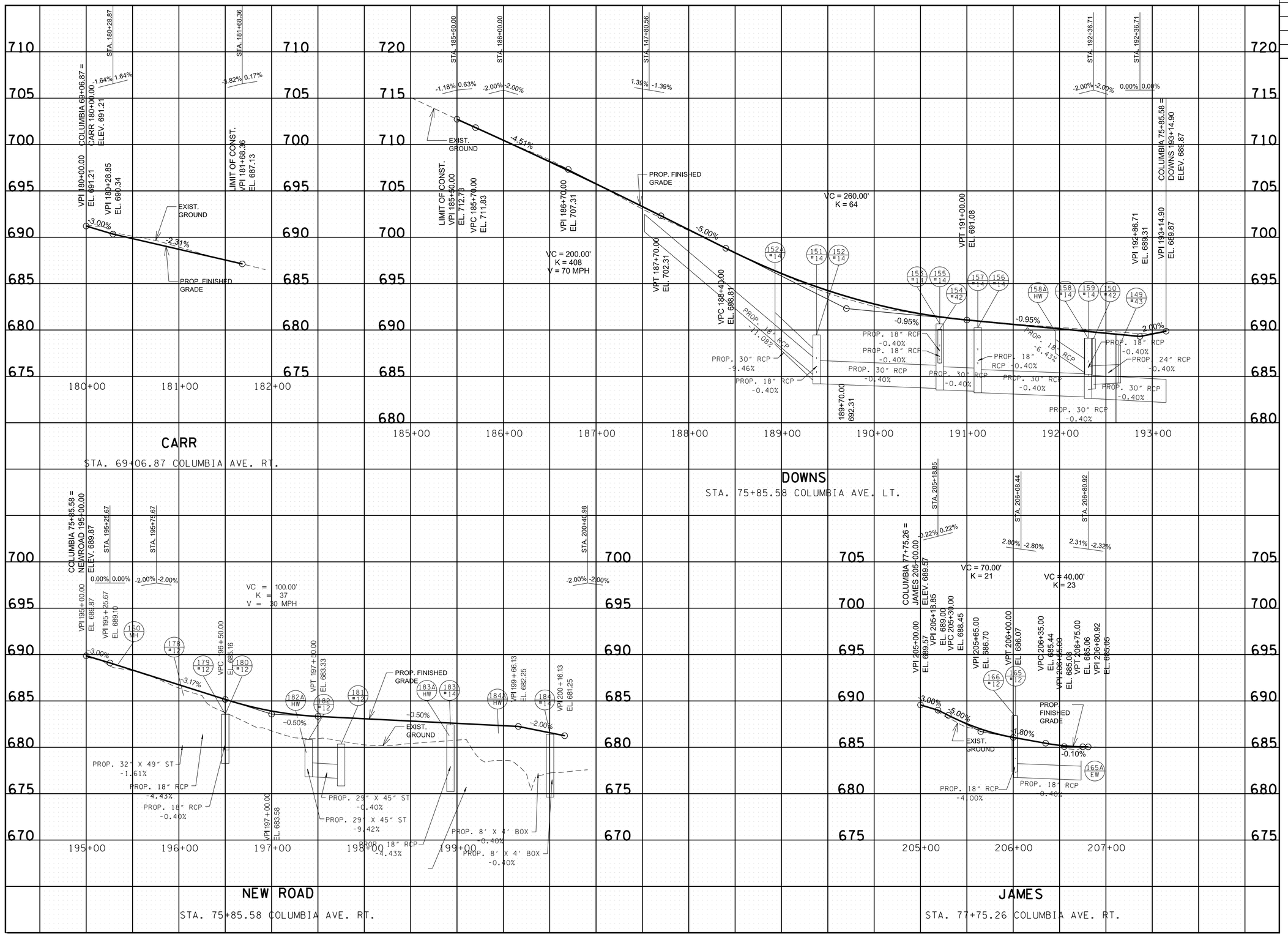
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	15



R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIDEROAD PROFILES

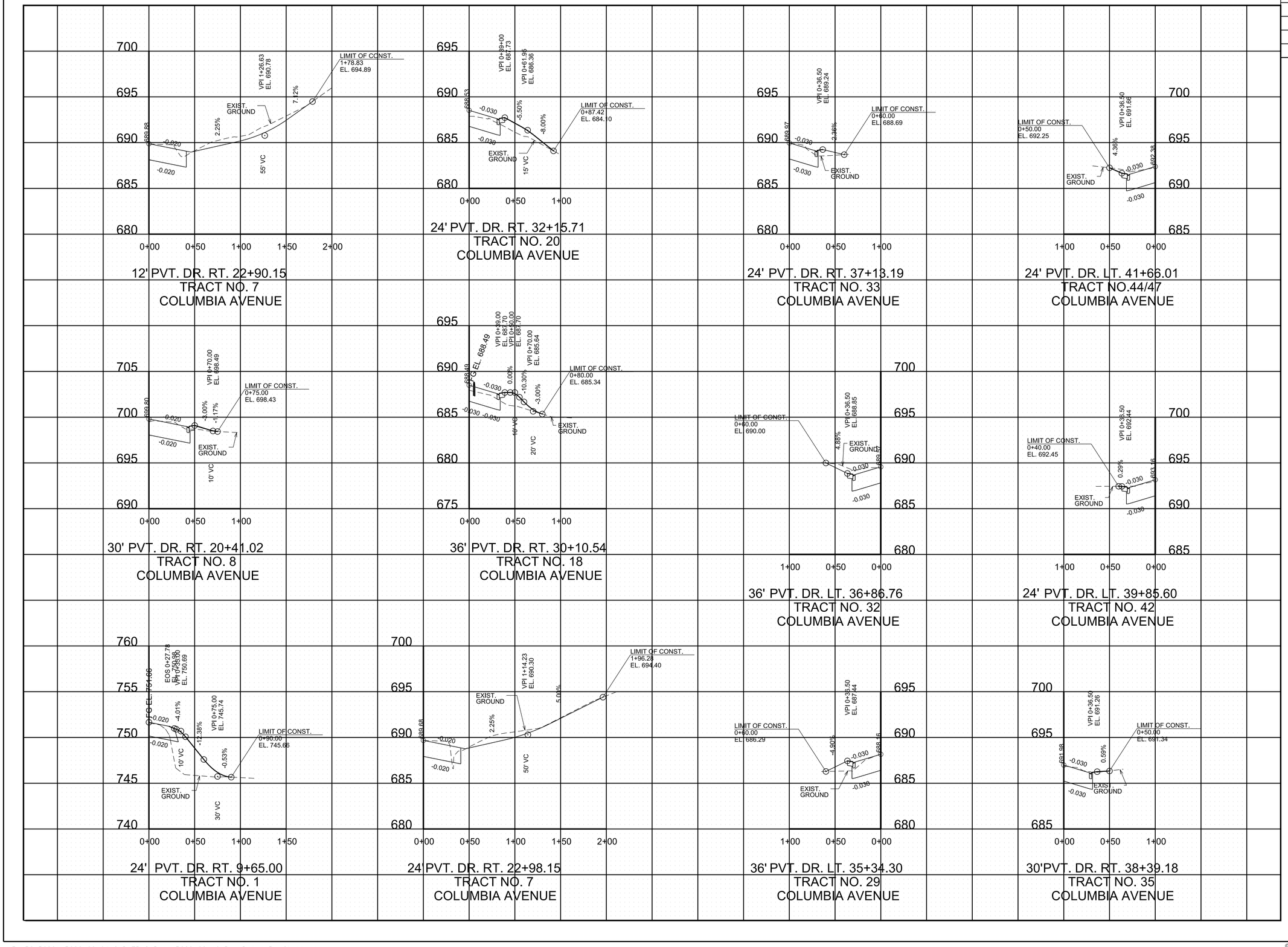
SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

BARGE DESIGN SOLUTIONS

11/12/2024
$TIME$
$INSTR$
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	16

R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PRIVATE DRIVE PROFILES

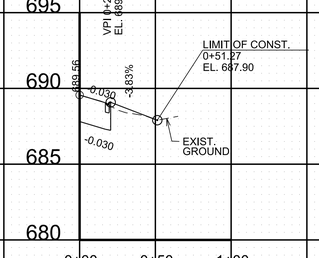
SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

BARGE DESIGN SOLUTIONS

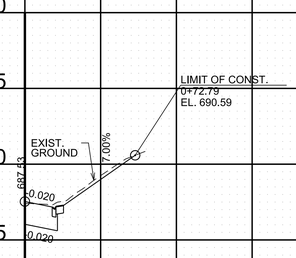
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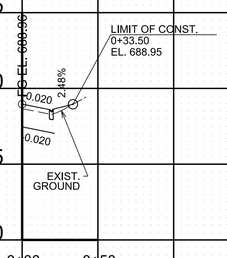
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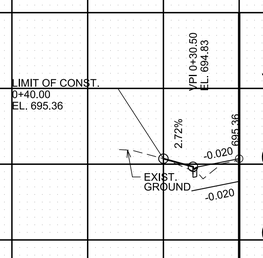
24' PVT. DR. RT. 80+07.86
TRACT NO. 92
COLUMBIA AVENUE



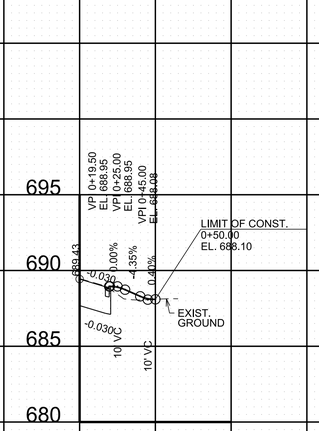
30' PVT. DR. RT. 132+36.83
TRACT NO. 13
SOUTHEAST PARKWAY



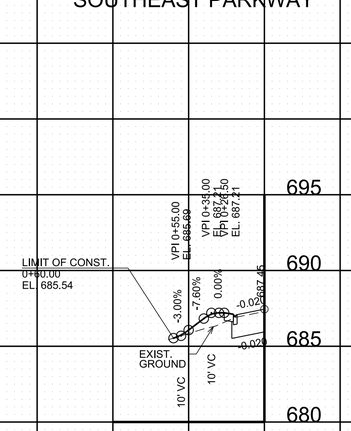
24' PVT. DR. RT. 146+46.00
TRACT NO. 29B
BEASLEY DRIVE



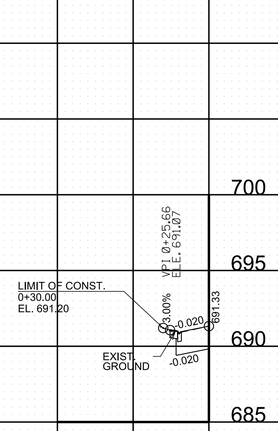
36' PVT. DR. LT. 189+18.67
TRACT NO. 87
DOWNS BOULEVARD



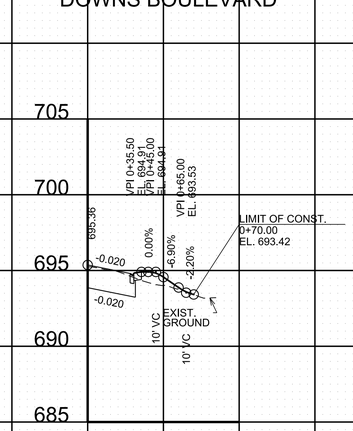
24' PVT. DR. RT. 79+33.83
TRACT NO. 92
COLUMBIA AVENUE



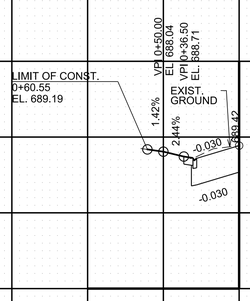
24' PVT. DR. LT. 132+25.09
TRACT NO. 18
SOUTHEAST PARKWAY



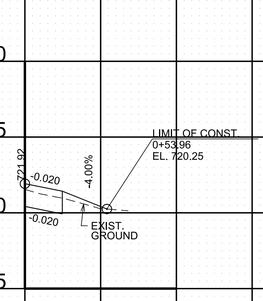
30' PVT. DR. LT. 140+79.31
TRACT NO. 34
CENTURY COURT



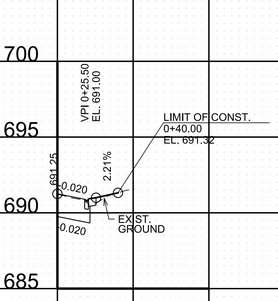
36' PVT. DR. RT. 189+18.63
TRACT NO. 84
DOWNS BOULEVARD



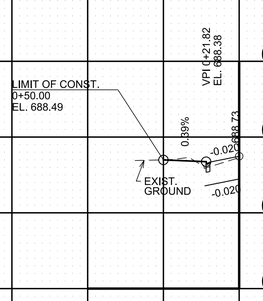
33' PVT. DR. LT. 78+89.75
TRACT NO. 91
COLUMBIA AVENUE



40' PVT. DR. RT. 101+66.32
TRACT NO. 3
HILLVIEW LANE



24' PVT. DR. RT. 140+67.80
TRACT NO. 34
CENTURY COURT



48' PVT. DR. LT. 146+93.68
TRACT NO. 49
BEASLEY DRIVE

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	18

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PRIVATE DRIVE PROFILES

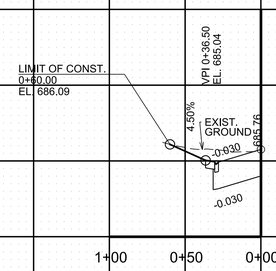
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1" = 5' VERT.

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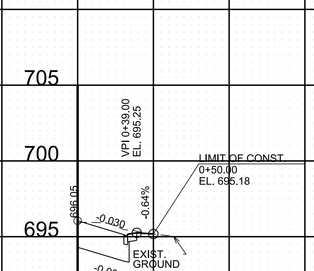
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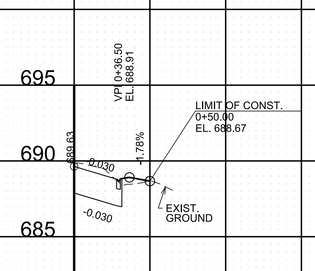
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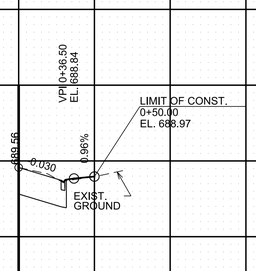
36' PVT. DR. LT. 46+44.97
TRACT NO. 56
COLUMBIA AVENUE



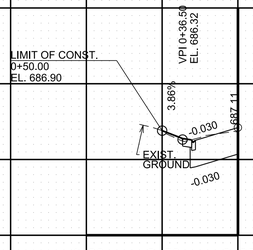
26' PVT. DR. RT. 66+75.17
TRACT NO. 64
COLUMBIA AVENUE



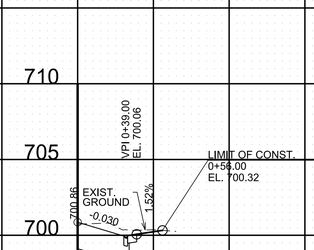
24'PVT. DR. RT. 70+39.33
TRACT NO. 76
COLUMBIA AVENUE



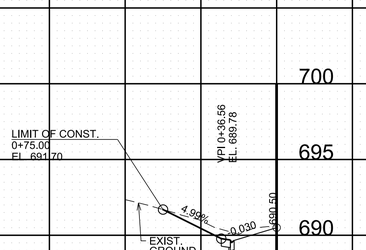
28' PVT. DR. RT. 73+65.00
TRACT NO. 82
COLUMBIA AVENUE



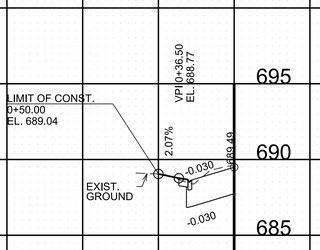
32' PVT. DR. LT. 45+11.63
TRACT NO. 49
COLUMBIA AVENUE



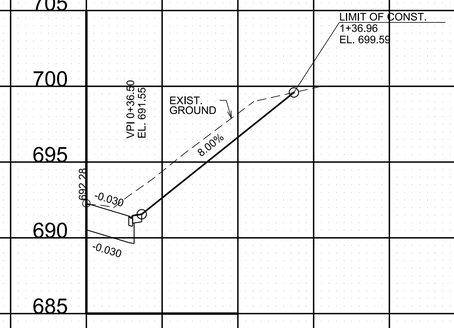
24'PVT. DR. RT. 63+84.21
TRACT NO. 62
COLUMBIA AVENUE



36'PVT. DR. LT. 69+55.07
TRACT NO. 74/77
COLUMBIA AVENUE



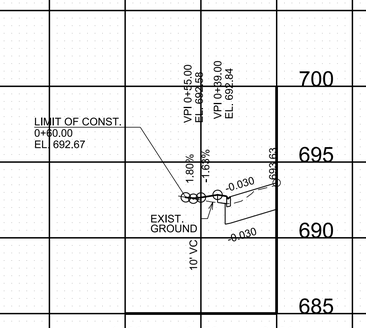
28' PVT. DR. LT. 73+19.41
TRACT NO. 83
COLUMBIA AVENUE



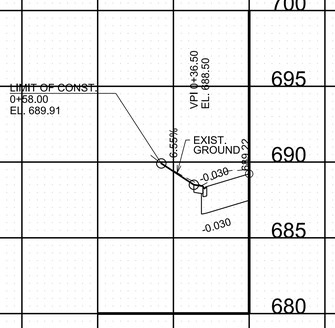
30' PVT. DR. RT. 41+75.24
TRACT NO. 45
COLUMBIA AVENUE



24'PVT. DR. LT. 50+68.22
TRACT NO. 56
COLUMBIA AVENUE



36' PVT. DR. LT. 67+85.78
TRACT NO. 74
COLUMBIA AVENUE



24' PVT. DR. LT. 71+50.09
TRACT NO. 77
COLUMBIA AVENUE

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	17

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PRIVATE DRIVE PROFILES

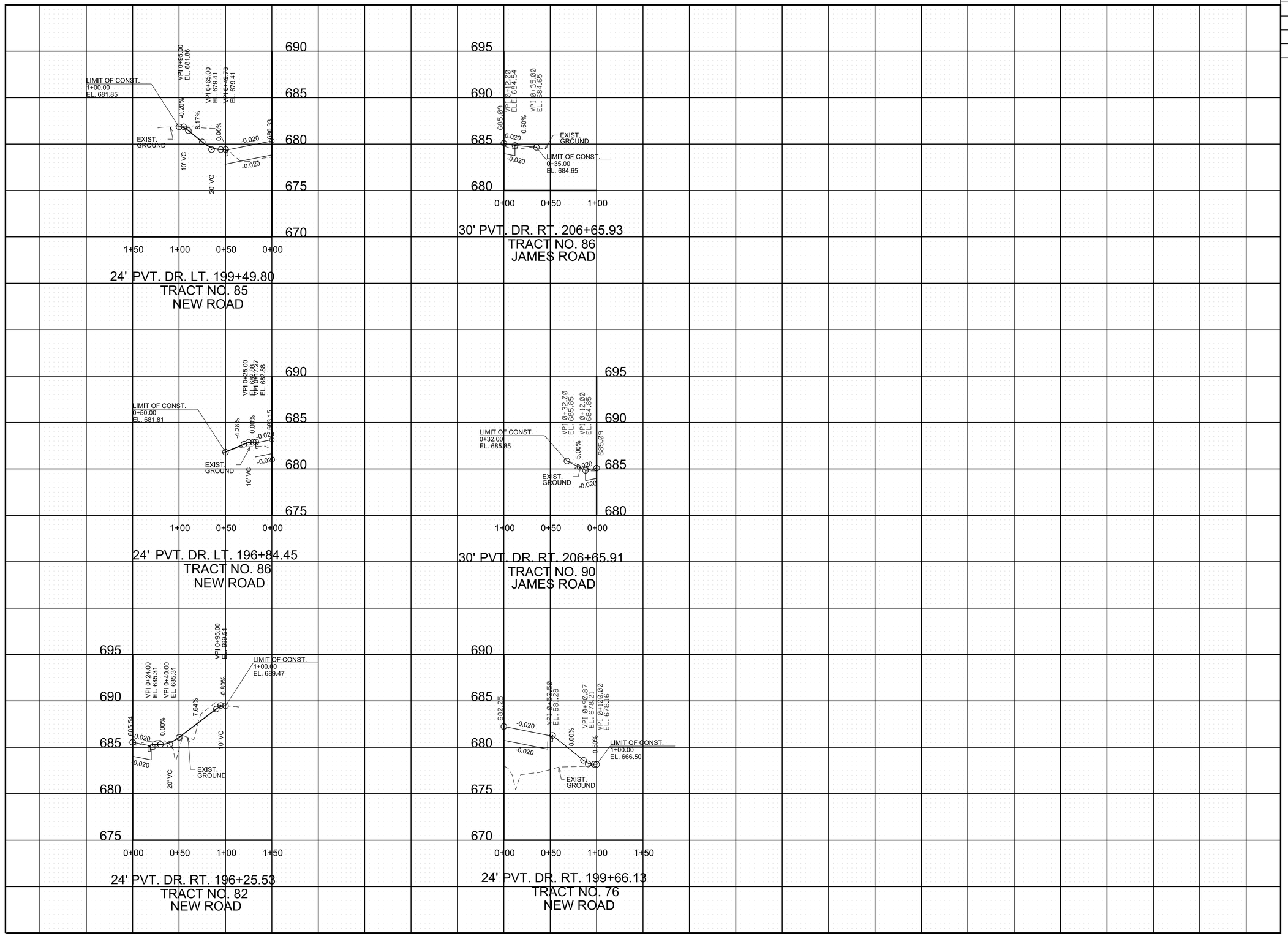
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1" = 5' VERT.

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	19

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PRIVATE DRIVE PROFILES

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

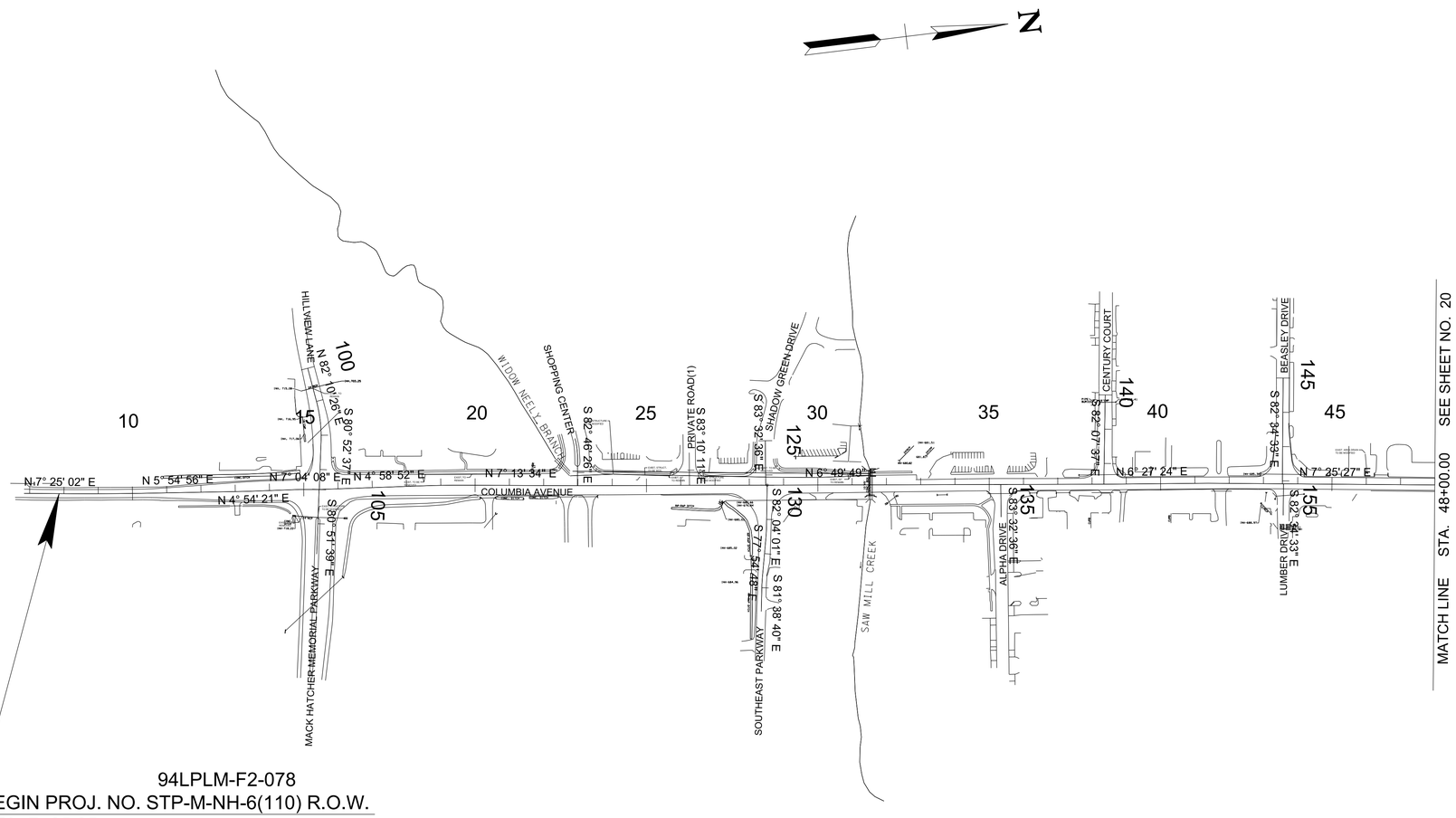
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	20



94LPLM-F2-078
BEGIN PROJ. NO. STP-M-NH-6(110) R.O.W.
STA. 7+85.95
N 567555.7715
E 1708739.1847

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

DRAINAGE MAP

BOP TO STA. 48+00.00
SCALE: 1"=200'

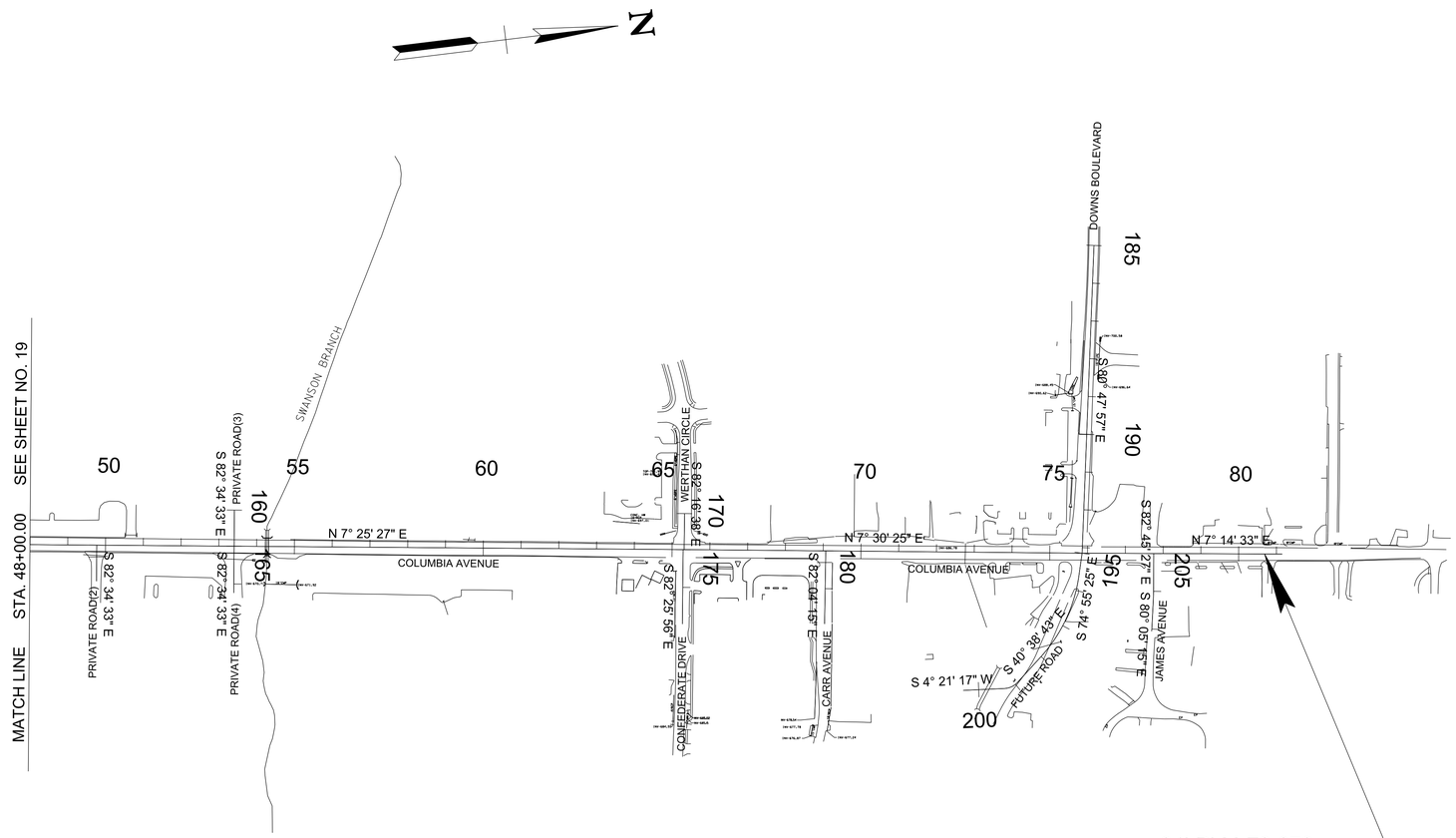
BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	21



94LPLM-F2-078
END PROJ. NO. STP-M-NH-6(110) R.O.W.
STA. 80+68.73
N 574783.9882
E 1709624.8984

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

DRAINAGE MAP

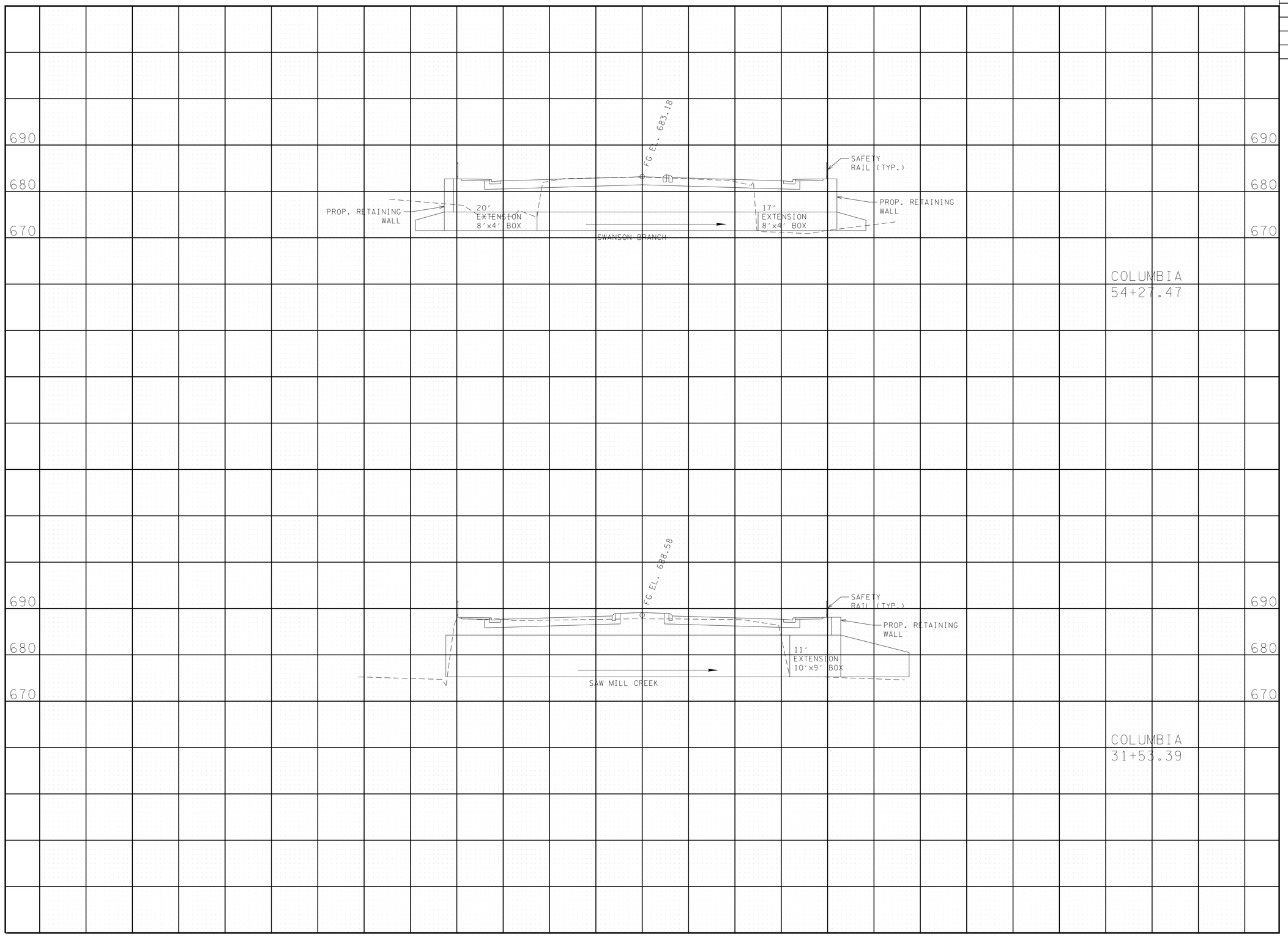
BOP TO STA. 48+00.00
SCALE: 1"=200'

BARGE DESIGN SOLUTIONS

11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	22

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

CULVERT SECTION

SCALE: 1" = 10' HORIZ.
1" = 1' VERT.

BARGE DESIGN SOLUTIONS

TBL $

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	23

EPSC NOTES

STREAMS, WETLANDS & BUFFER ZONES

(1) ANY WORK WITHIN THE STREAM CHANNEL AREA (E.G., PIER FOOTING, RIP-RAP PLACEMENT, CULVERT/BRIDGE CONSTRUCTION, ETC.) SHALL BE SEPARATED FROM FLOWING WATER OR EXPECTED FLOW PATH AND PERFORMED DURING LOW FLOW CONDITIONS. ALL ITEMS USED WITHIN THE STREAM CHANNEL AREA FOR DIVERSION OF FLOW (OR EXPECTED FLOW), UNLESS SPECIFIED IN THE PLANS, SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE COST OF OTHER ITEMS. THIS NOTE EXCLUDES ANY ITEMS SPECIFIED IN THE PLANS FOR THE TEMPORARY DIVERSION CHANNELS (EC-STR-31) AND TEMPORARY DIVERSION CULVERTS (EC STR-32) FOR SINGLE BARREL CULVERT CONSTRUCTION.

UTILITY RELOCATION

(1) STORMWATER WHICH COLLECTS IN THE UTILITY TRENCH SHALL BE PUMPED INTO A DEWATERING STRUCTURE OR SEDIMENT FILTER BAG AND TREATED PRIOR TO DISCHARGE.

(2) SILT FENCE SHALL BE INSTALLED ON THE DOWNGRADIENT SIDE OF STOCKPILED SOIL. TRENCHING ACROSS WET WEATHER CONVEYANCES SHALL BE DONE DURING DRY CONDITIONS AND STABILIZED BY THE END OF THE WORK DAY.

(3) UTILITY CROSSINGS IN ENVIRONMENTAL FEATURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH TDOT STANDARDS AND NO WORK SHALL BE CONDUCTED IN FLOWING WATERS. ENVIRONMENTAL PERMITS APPLY TO UTILITIES IN THIS PROJECT. THE STATE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE PERMITS.

(4) IT IS THE RESPONSIBILITY OF THE STATE UTILITY CONTRACTOR TO PROTECT EXPOSED EARTH FROM EROSION AND TO PROVIDE FOR CONTAINMENT OF SEDIMENT THAT MAY RESULT FROM THEIR WORK. PRIOR TO BEGINNING WORK, ADEQUATE MEASURES MUST BE IN PLACE TO TRAP ANY SEDIMENT THAT MAY TRAVEL OFFSITE IN THE EVENT OF RAIN. DURING THE PROGRESSION OF THEIR WORK, EXPOSED EARTH AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE TO PREVENT EROSION. AT NO TIME SHALL EXPOSED EARTH RESULTING FROM THEIR OPERATIONS HAVE UNPROTECTED ACCESS TO FLOWING OFFSITE AND ENTERING WATERS OF THE STATE/U.S.

(5) FOR THE INSTALLATION OF BURIED UTILITIES (PIPES AND CABLES), TRENCHES SHALL BE BACKFILLED DAILY AS CONSTRUCTION PROCEEDS. BACKFILLED TRENCHES SHALL BE SEEDED AND MULCHED OR SODDED DAILY IF POSSIBLE, BUT NO LATER THAN SEVEN DAYS AFTER BEING BACKFILLED. ANY TEMPORARY SPOILS OF EXCAVATED EARTH SHALL BE LOCATED WITHIN EPSC MEASURES OR RECEIVE SEPARATE EPSC MEASURES. IF TRENCHES ARE NOT BACKFILLED OVERNIGHT, APPROPRIATE EPSC MEASURES WILL BE INSTALLED BY THE UTILITY CONTRACTOR UNTIL SUCH TIME AS THE TRENCH IS BACKFILLED.

(6) IN REGARD TO EPSC, TDEC REGULATIONS APPLY TO THE STATE UTILITY CONTRACTORS ON THIS PROJECT. THE STATE CONTRACTOR IS RESPONSIBLE FOR EPSC MEASURES RELATED TO UTILITY CONSTRUCTION INCLUDED IN THE STATE CONTRACT.

(7) TRENCHES FORMED FOR THE INSTALLATION OF BURIED UTILITIES MAY CAUSE STORMWATER RUNOFF TO CONCENTRATE AT THE TRENCH LINE. ADDITIONAL EPSC MEASURES MAY BE REQUIRED TO BE INSTALLED AS APPROVED BY THE ENGINEER.

(8) FOR THE INSTALLATION OF UNDERGROUND UTILITIES OUTSIDE OF THE TDOT RIGHT-OF-WAY, EPSC MEASURES SHALL BE INSTALLED PRIOR TO CLEARING (TRENCHING AND ASSOCIATED BLASTING) IN THOSE AREAS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION AREA. THESE EPSC MEASURES SHALL REMAIN UNTIL THE BACKFILLED TRENCH IS STABILIZED WITH FINAL VEGETATIVE COVER.

(9) THE UTILITY CONTRACTOR SHALL RESTORE ALL AFFECTED WET WEATHER CONVEYANCES TO THE EXISTING TOPOGRAPHIC CONDITIONS AS APPROVED BY THE ENGINEER.

(10) THE UTILITY CONTRACTOR WILL PROVIDE APPROPRIATE EPSC MEASURES TO REPLACE ONSITE EPSC MEASURES REMOVED TO FACILITATE THE INSTALLATION OF UTILITIES. REPLACEMENT OF EPSC MEASURES WILL BE COORDINATED WITH THE ENGINEER BEFORE COMMENCING WORK.

ENVIRONMENTAL

(1) EXCEPT AS OTHERWISE SPECIFIED, THERE ARE NO KNOWN SPECIAL ENVIRONMENTAL FACTORS PRESENT ON THIS PROJECT THAT INDICATE A NEED FOR SEASONAL LIMITATIONS ON THE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING OPERATIONS OR ON THE TOTAL AREA OF EXPOSED SOIL.

DISTURBED AREA = 29.96 ACRES

EROSION CONTROL QUANTITIES

	ITEM NO.	DISCRIPTION	QUANTITY	UNIT
	203-01	ROAD AND DRAINAGE EXCAVATION (UNCLASSIFIED)	40	C.Y.
	209-05	SEDIMENT REMOVAL	343	C.Y.
	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	1,151	L.F.
	209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	15,100	L.F.
(4)	209-08.07	ROCK CHECK DAM	34	EACH
(3)	209-09.01	SANDBAGS	3,420	BAG
(3)	209-09.04	SEDIMENT FILTER BAG (15 FT X 10 FT)	3	EACH
	209-09.43	CURB INLET PROTECTION (TYPE 4)	189	EACH
(3)	209-20.03	POLYETHYLENE SHEETING (6 MIL. MINIMUM)	125	SQ. YD.
	209-40.33	CATCH BASIN PROTECTION (TYPE D)	20	EACH
(5)	303-10.01	MINERAL AGGREGATE (SIZE 57)	596	TON
(3)	621-03.07	48" TEMPORARY DRAINAGE PIPE	94	L.F.
(3)	621-03.09	60" TEMPORARY DRAINAGE PIPE	90	L.F.
(6)	709-05.06	MACHINED RIP-RAP (CLASS A-1)	1,050	TONS
(7)	740-10.03	GEOTEXTILE (TYPE III) (EROSION CONTROL)	7,740	SQ. YD.
	740-11.01	TEMPORARY SEDIMENT TUBE (8 INCH)	2,100	L.F.

1 SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT. (ALL EPSC ITEMS)

2 ALL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER (ALL EPSC ITEMS)

3 FOR CHANNEL DIVISION.

4 FOR 29 V-DITCH CHEDK DAMS AND 5 TRAPEZOIDAL CHECK DAMS.

5 500 TONS FOR TYPE 1 CULVERT PROTECTION AND 96 TONS FOR SEDIMENT FILTER BAGS 15' X 10'.

6 1,022 TONS FOR TYPE 1 CULVERT PROTECTION AND 28 TONS FOR CHANNEL DIVISION SPLASH PAD.

7 7,312 SQ. YD. FOR TYPE 1 CULVERT PROTECTION AND 225 SQ. YD. FOR SEDIMENT FILTER BAGS 15' X 10'.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
✱SFB✱ ✱SFB✱ ✱SFB✱ ✱SFB✱	SEDIMENT FILTER BAG	EC-STR-2
✱ SF ✱ SF ✱ SF ✱	SILT FENCE	EC-STR-3B
✱ SFB✱ SFB✱ SFB✱	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
D	CATCH BASIN PROTECTION (TYPE D)	EC-STR-19
	SUSPENDED PIPE DIVERSION	EC-STR-33 EC-STR-33A
✱✱ TUBE 8" ✱✱ TUBE 8" ✱✱	8 INCH SEDIMENT TUBE	EC-STR-37
4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A

R.O.W.

PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

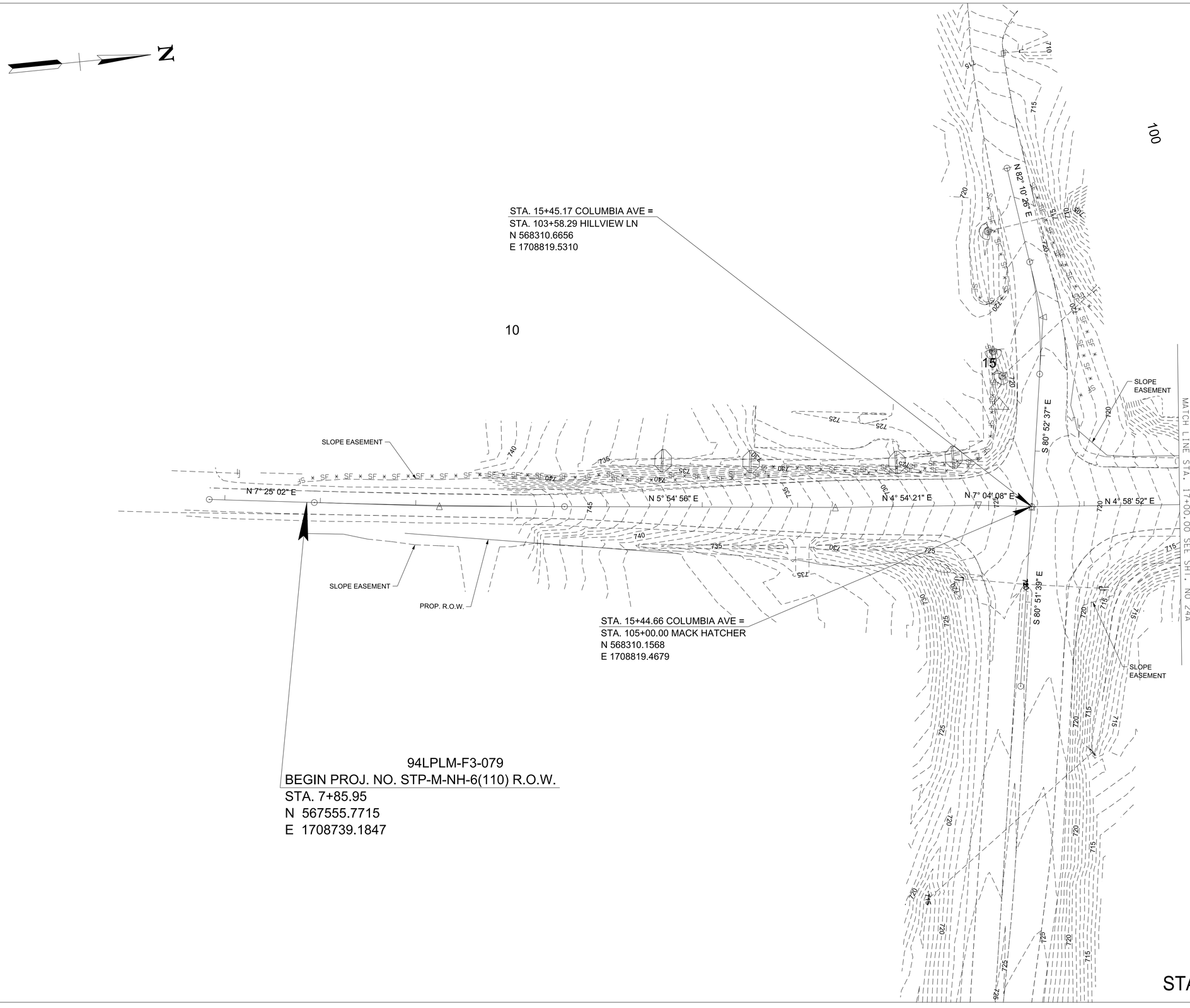
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	24



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 7+85.95 TO STA. 17+00.00

SCALE: 1"= 50'

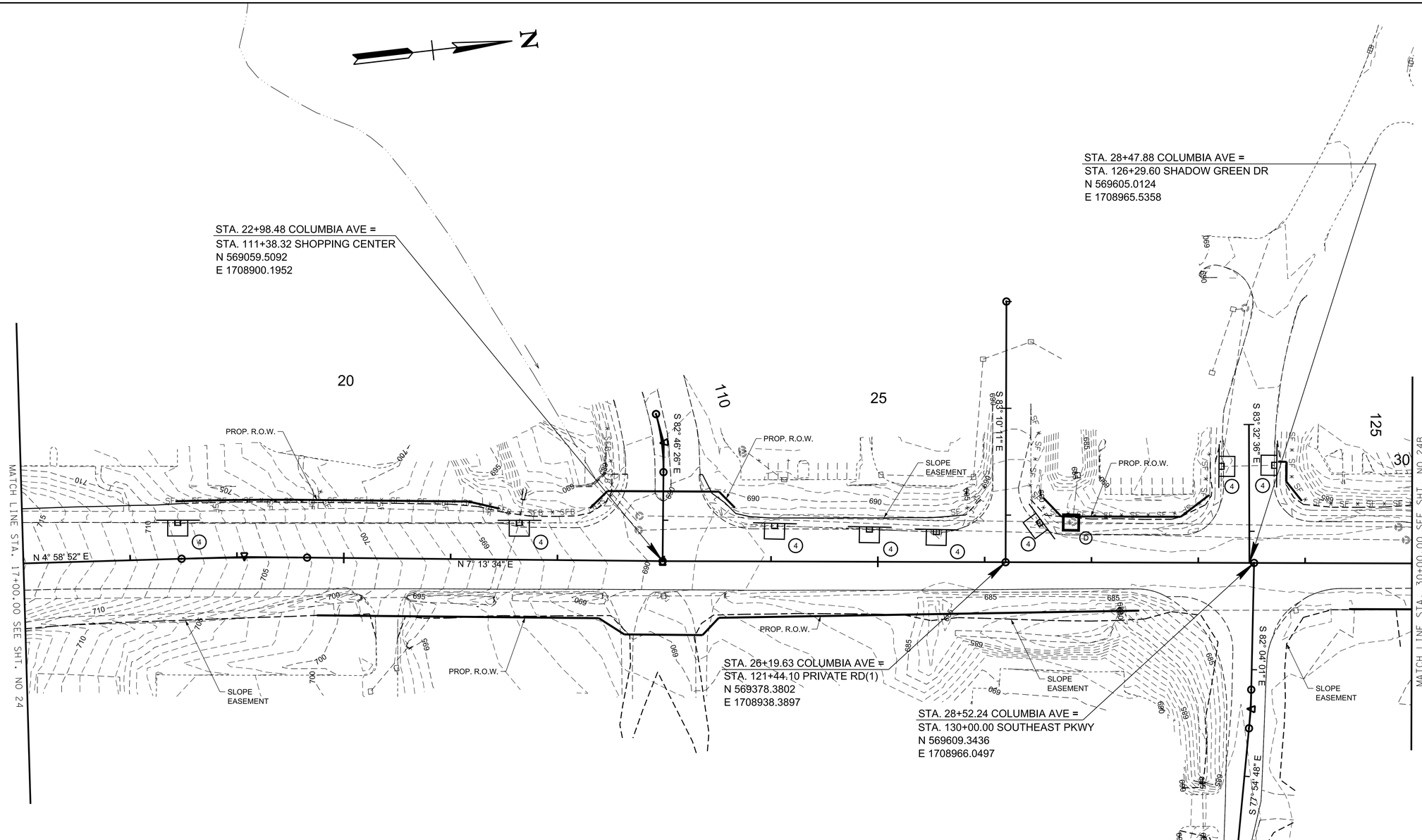
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	24A



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 17+00.00 TO STA. 30+00.00

SCALE: 1"= 50'

STAGE I

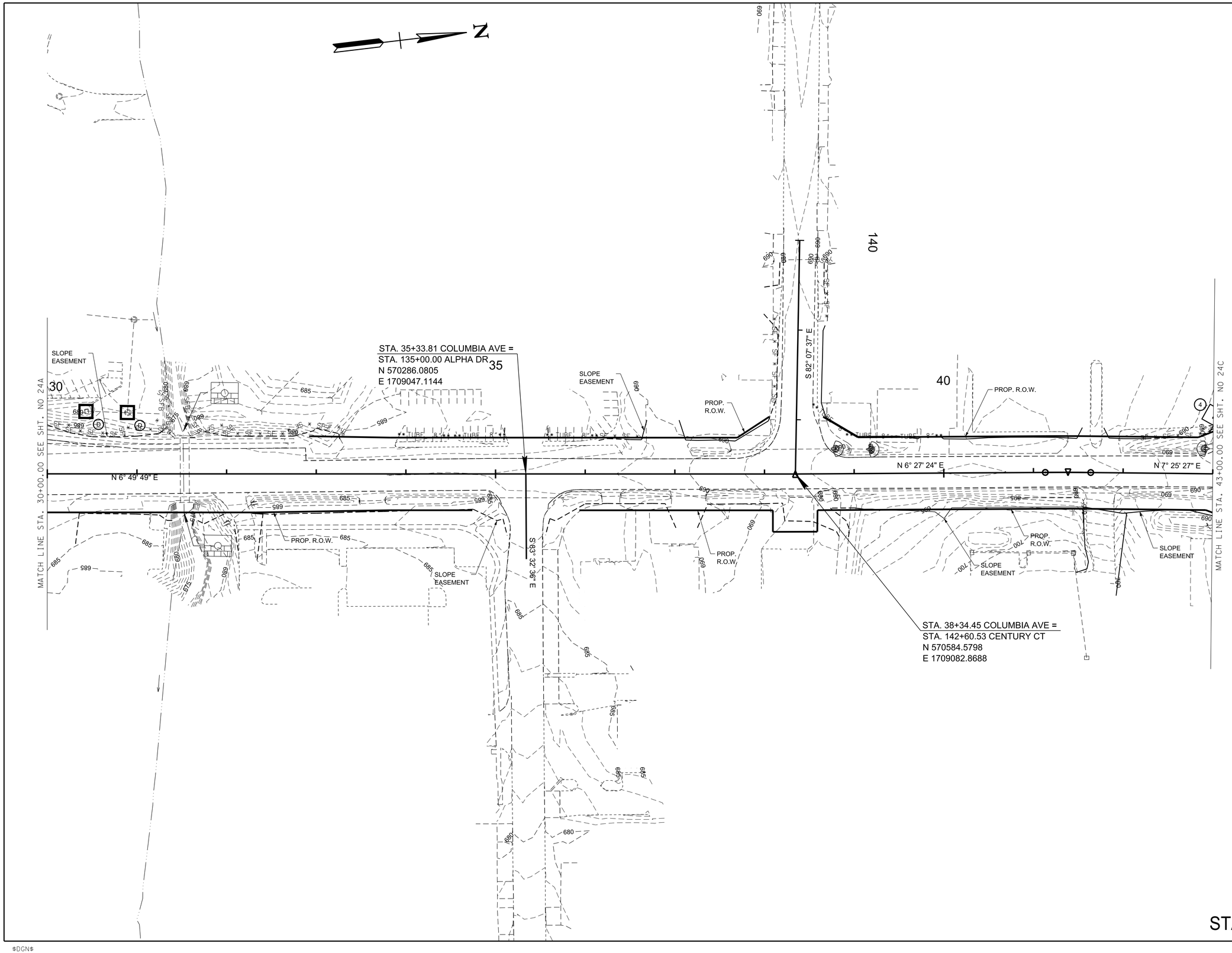
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	24B



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 30+00.00 TO STA. 43+00.00

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

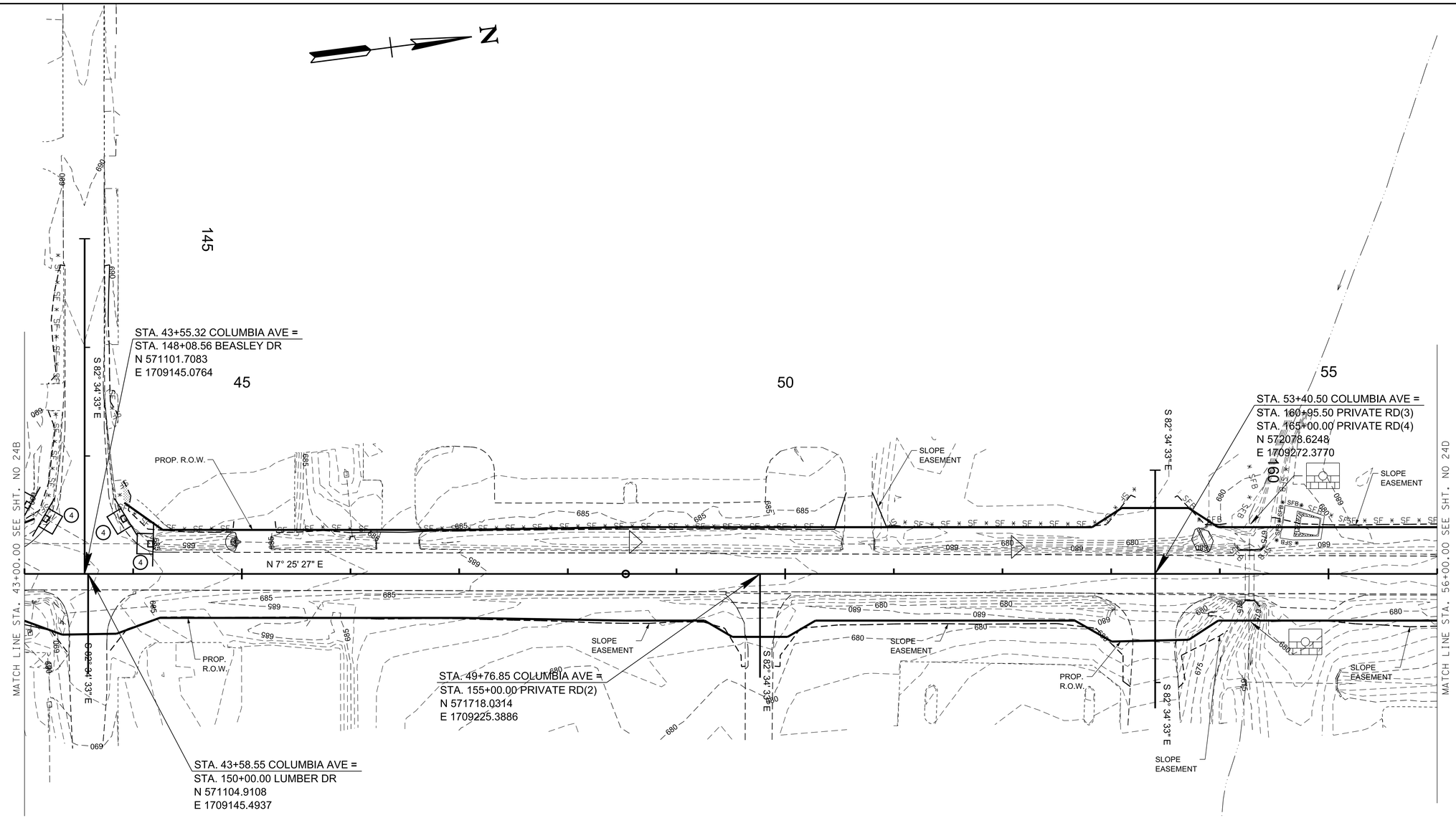
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	24C



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 43+00.00 TO STA. 56+00.00

SCALE: 1"= 50'

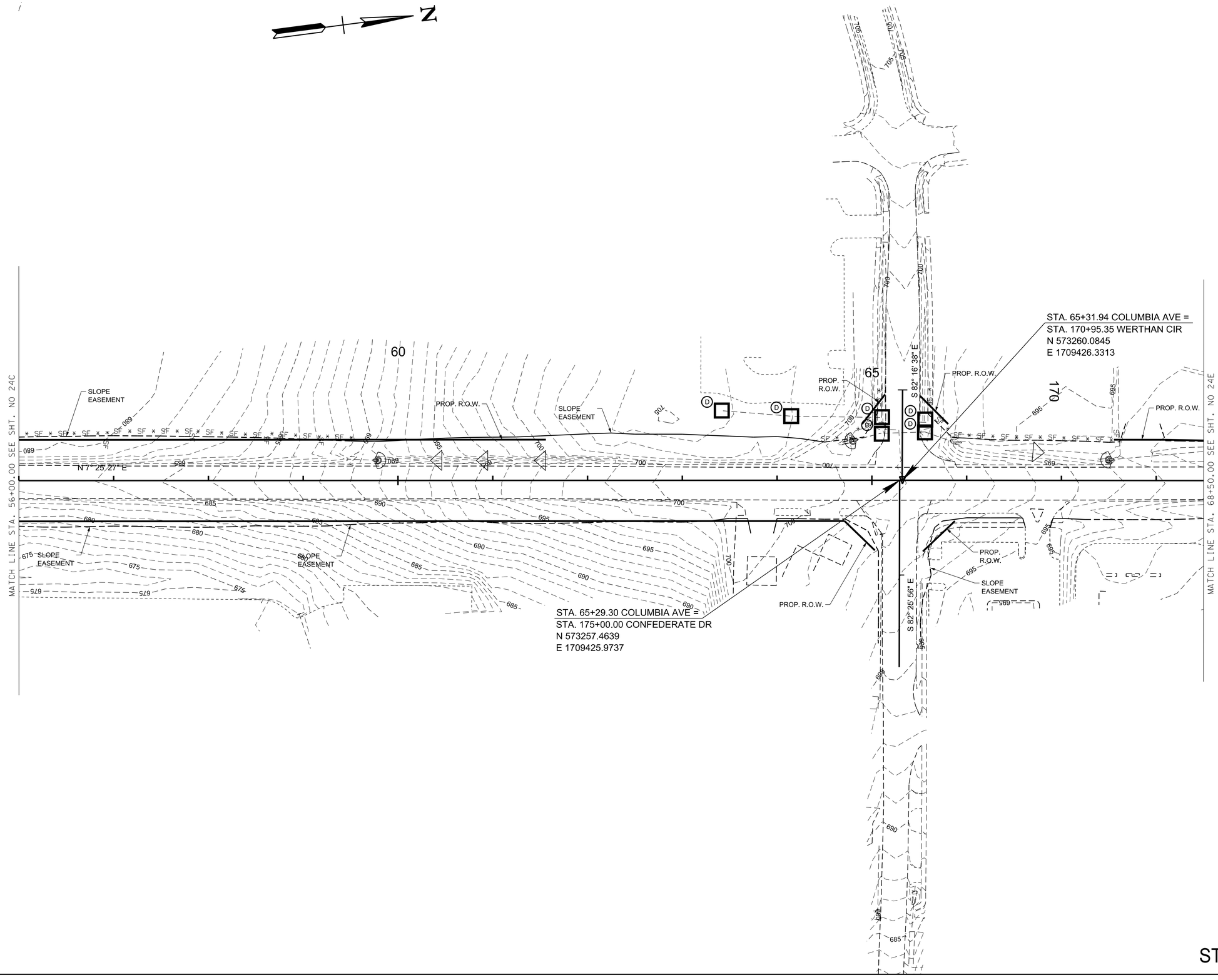
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	24D



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 56+00.00 TO STA. 68+50.00

SCALE: 1"= 50'

STAGE I

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TBL
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	24E

N

94LPLM-F1-077
END PROJ. NO. STP-M-NH-6(110) PRELIM.
STA. 80+68.74
N 574783.9882
E 1709624.8984

MATCH LINE STA. 68+50.00 SEE SHT. NO 24D

MATCH LINE STA. 192+00.00 SEE SHT. NO 24F

70

80

200

PROP. R.O.W.

SLOPE EASEMENT

SLOPE ESMNT.

N 7° 30' 25" E

N 7° 14' 33" E

S 74° 55' 25" E

S 82° 04' 15" E

S 82° 45' 27" E

S 80° 05' 15" E

S 40° 38' 43" E

S 4° 21' 17" W

STA. 69+06.87 COLUMBIA AVE =
STA. 180+00.00 CARR AVE
N 573631.7944
E 1709475.3139

STA. 75+85.58 COLUMBIA AVE =
STA. 193+14.90 DOWNS BLVD
STA. 195+00.00 NEW ROAD
N 574304.6907
E 1709563.9866

STA. 77+75.26 COLUMBIA AVE =
STA. 205+00.00 JAMES AVE
N 574492.8562
E 1709587.8997

R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 68+50.00 TO STA. 80+68.74

SCALE: 1"= 50'

STAGE I

BARGE DESIGN SOLUTIONS

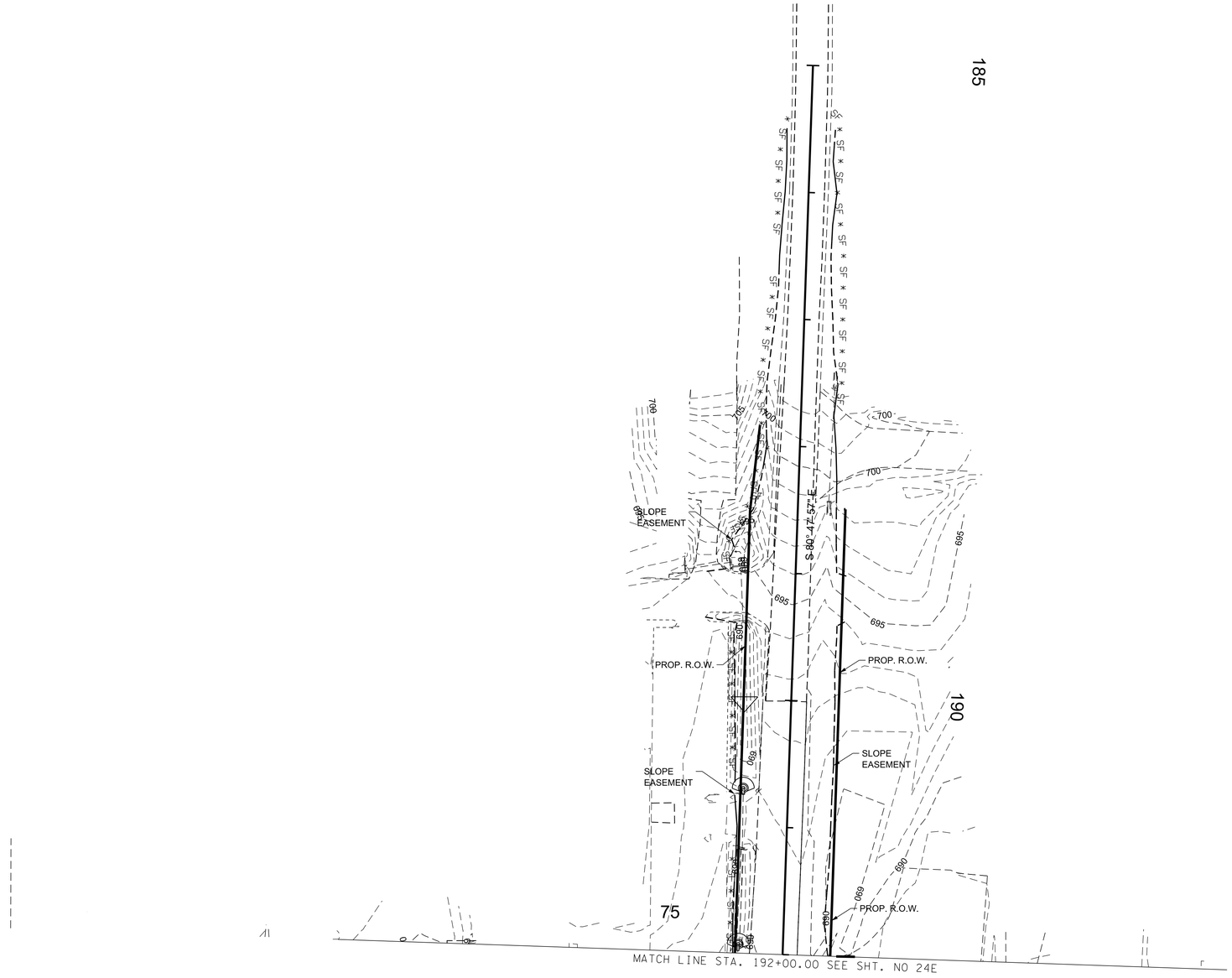
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	24F

N



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 185+00.00 TO STA. 192+00.00

SCALE: 1"= 50'

STAGE I

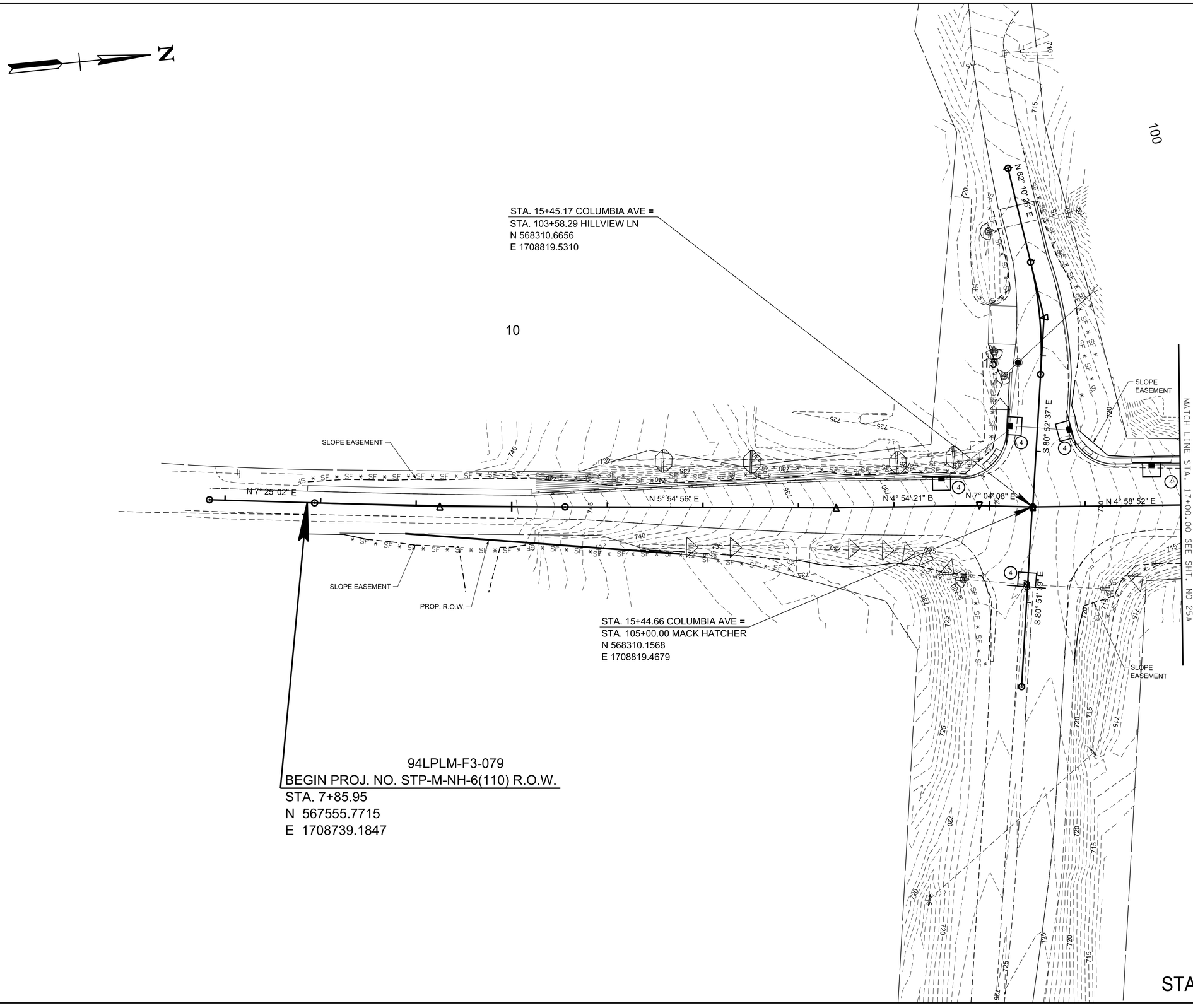
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	25



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 7+85.95 TO STA. 17+00.00

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
$INSTR$
$USER$
TBL
DGN

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	25A

N

STA. 22+98.48 COLUMBIA AVE =
STA. 111+38.32 SHOPPING CENTER
N 569059.5092
E 1708900.1952

STA. 28+47.88 COLUMBIA AVE =
STA. 126+29.60 SHADOW GREEN DR
N 569605.0124
E 1708965.5358

STA. 26+19.63 COLUMBIA AVE =
STA. 121+44.10 PRIVATE RD(1)
N 569378.3802
E 1708938.3897

STA. 28+52.24 COLUMBIA AVE =
STA. 130+00.00 SOUTHEAST PKWY
N 569609.3436
E 1708966.0497

20 | 110 | 25 | 125 | 30

PROP. R.O.W.

SLOPE EASEMENT

N 4° 58' 52" E

N 7° 13' 34" E

S 82° 46' 26" E

S 83° 10' 11" E

S 83° 32' 36" E

S 82° 04' 01" E

S 77° 54' 48" E

S 81° 38' 40" E

MATCH LINE STA. 17+00.00 SEE SHT. NO 25

MATCH LINE STA. 30+00.00 SEE SHT. NO 25B

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 17+00.00 TO STA. 30+00.00

SCALE: 1"= 50'

STAGE II

BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
$INSTR$
$USER$
TBL
DGN

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	25B

N

MATCH LINE STA. 30+00.00 SEE SHT. NO 25A

MATCH LINE STA. 43+00.00 SEE SHT. NO 25C

SLOPE EASEMENT

PROP. R.O.W.

CURB

STA. 35+33.81 COLUMBIA AVE =
STA. 135+00.00 ALPHA DR
N 570286.0805
E 1709047.1144

STA. 38+34.45 COLUMBIA AVE =
STA. 142+60.53 CENTURY CT
N 570584.5798
E 1709082.8688

N 6° 49' 49" E

S 83° 32' 36" E

S 82° 07' 37" E

N 6° 27' 24" E

N 7° 25' 27" E

30

35

40

140

STAGE II

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 30+00.00 TO STA. 43+00.00

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
$INSTR$
$USER$
TBL

DGN

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	25C

N

MATCH LINE STA. 43+00.00 SEE SHT. NO 25B

MATCH LINE STA. 56+00.00 SEE SHT. NO 25D

145

45

50

55

STA. 43+55.32 COLUMBIA AVE =
STA. 148+08.56 BEASLEY DR
N 571101.7083
E 1709145.0764

S 82° 34' 33" E

N 7° 25' 27" E

PROP. R.O.W.

SLOPE EASEMENT

STA. 53+40.50 COLUMBIA AVE =
STA. 160+95.50 PRIVATE RD(3)
STA. 165+00.00 PRIVATE RD(4)
N 572078.6248
E 1709272.3770

STA. 49+76.85 COLUMBIA AVE =
STA. 155+00.00 PRIVATE RD(2)
N 571718.0314
E 1709225.3886

STA. 43+58.55 COLUMBIA AVE =
STA. 150+00.00 LUMBER DR
N 571104.9108
E 1709145.4937

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 43+00.00 TO STA. 56+00.00

SCALE: 1"= 50'

STAGE II

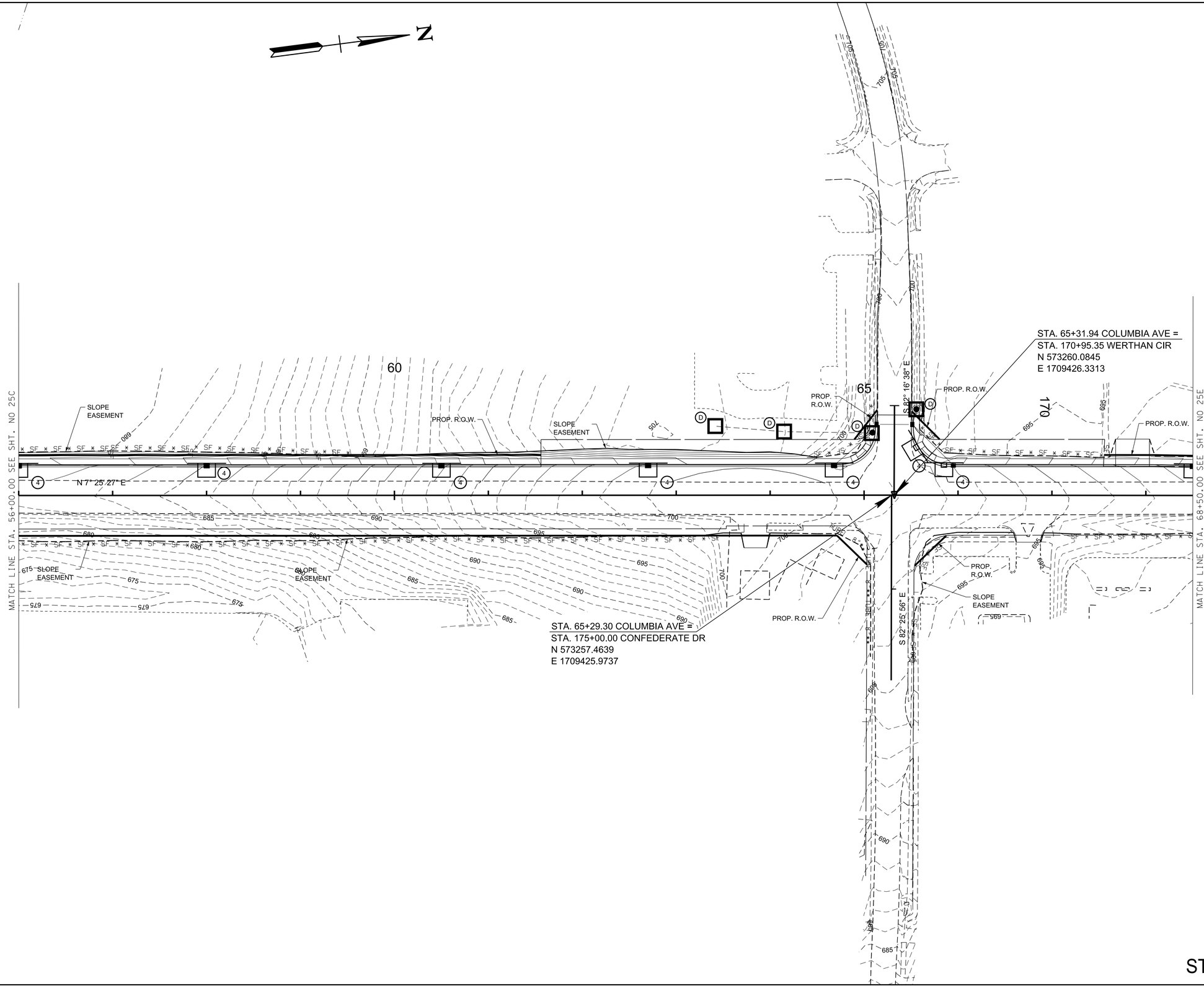
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	25D



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 56+00.00 TO STA. 68+50.00

SCALE: 1"= 50'

STAGE II

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	25E

94LPLM-F1-077
END PROJ. NO. STP-M-NH-6(110) PRELIM.
STA. 80+68.74
N 574783.9882
E 1709624.8984

MATCH LINE STA. 68+50.00 SEE SHT. NO 25D

MATCH LINE STA. 192+00.00 SEE SHT. NO 25F

70

80

200

PROP. R.O.W.

SLOPE EASEMENT

SLOPE ESMNT.

N 7° 30' 25" E

N 7° 14' 33" E

S 47° 55' 25" E

S 82° 04' 15" E

S 82° 45' 27" E

S 80° 05' 15" E

S 40° 38' 43" E

S 4° 21' 17" W

STA. 75+85.58 COLUMBIA AVE =
STA. 193+14.90 DOWNS BLVD
STA. 195+00.00 NEW ROAD
N 574304.6907
E 1709563.9866

STA. 69+06.87 COLUMBIA AVE =
STA. 180+00.00 CARR AVE
N 573631.7944
E 1709475.3139

STA. 77+75.26 COLUMBIA AVE =
STA. 205+00.00 JAMES AVE
N 574492.8562
E 1709587.8997

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 68+50.00 TO STA. 80+68.74

SCALE: 1"= 50'

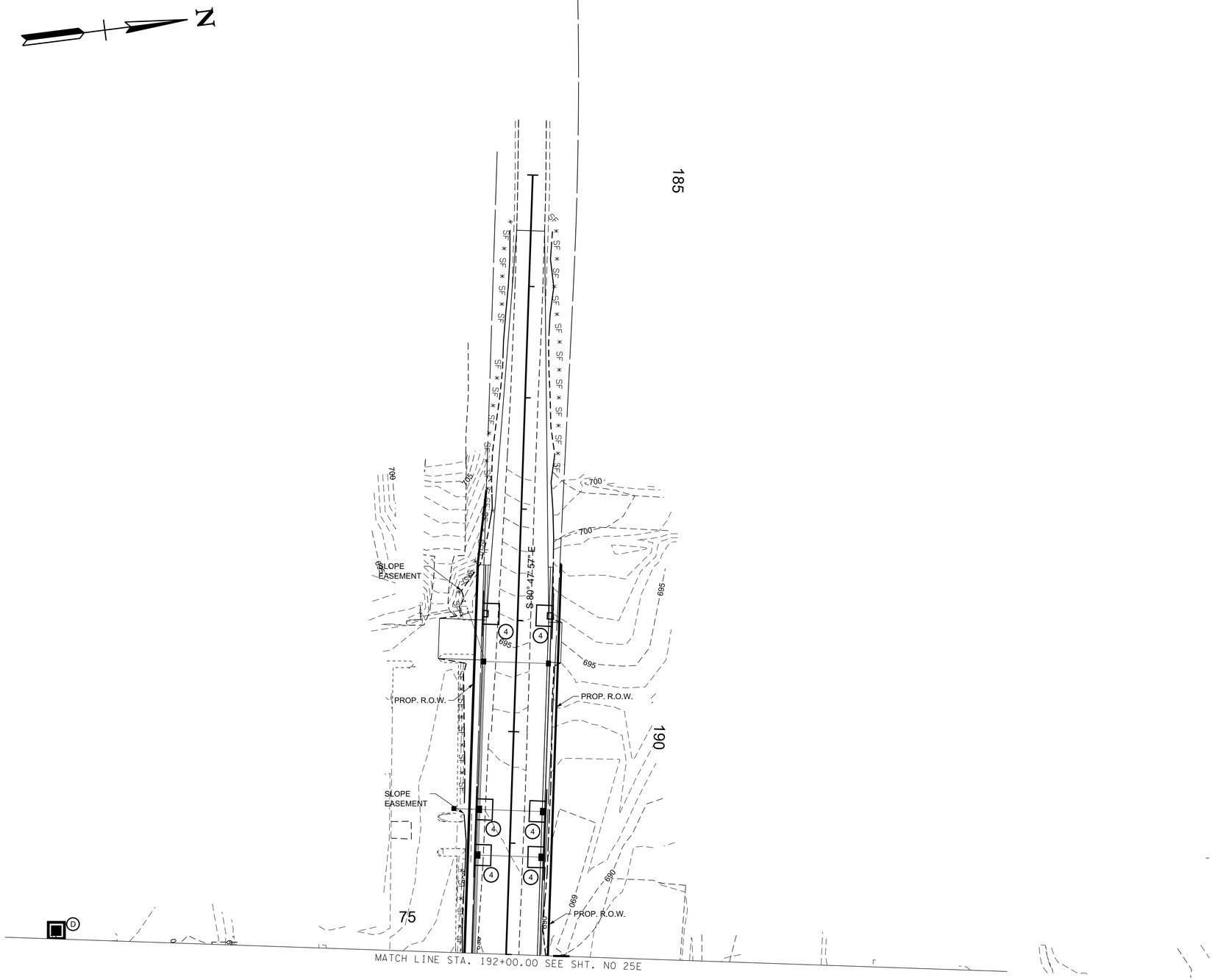
STAGE II

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	25F



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 185+00.00 TO STA. 192+00.00

SCALE: 1"= 50'

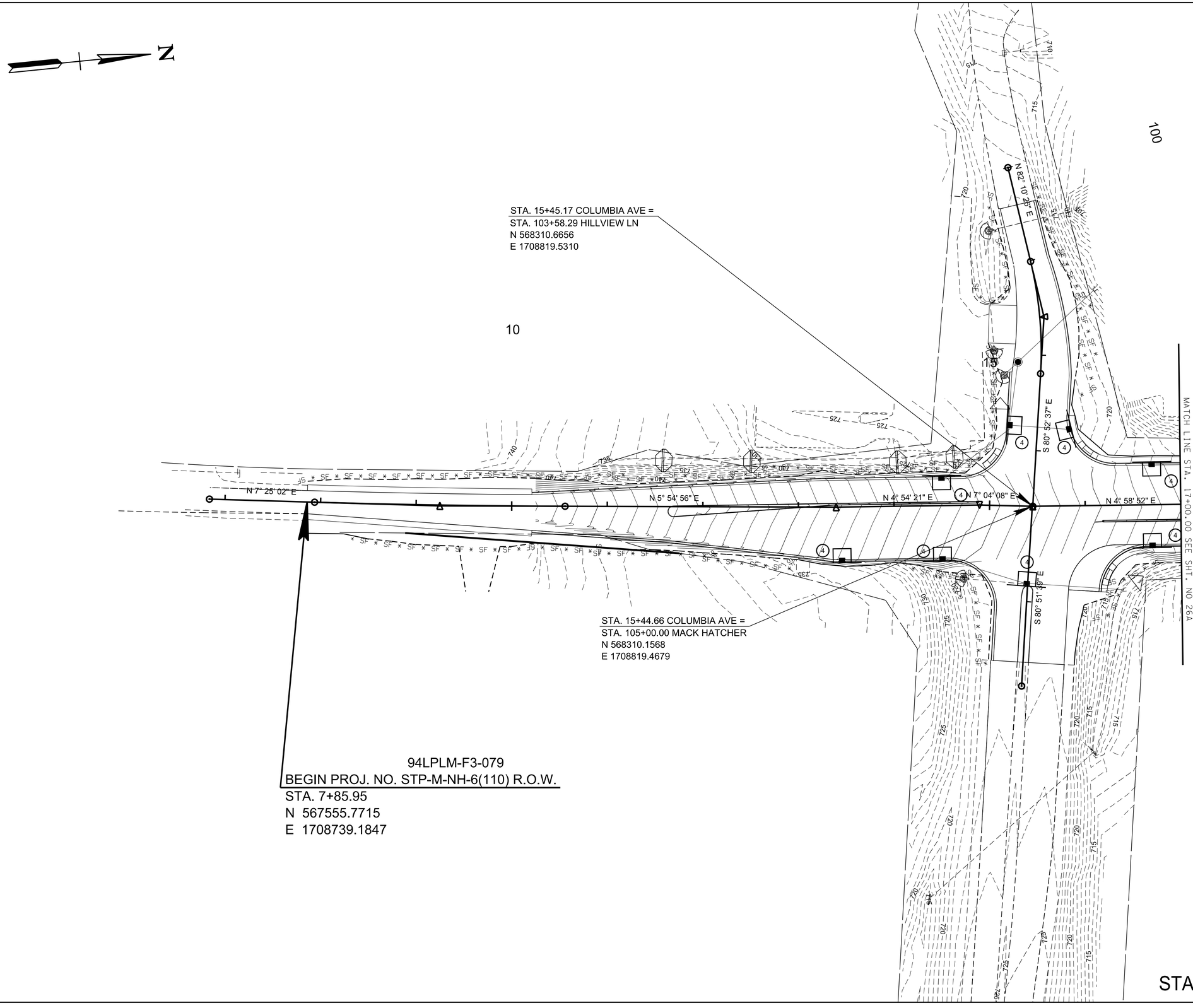
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	26



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 7+85.95 TO STA. 17+00.00

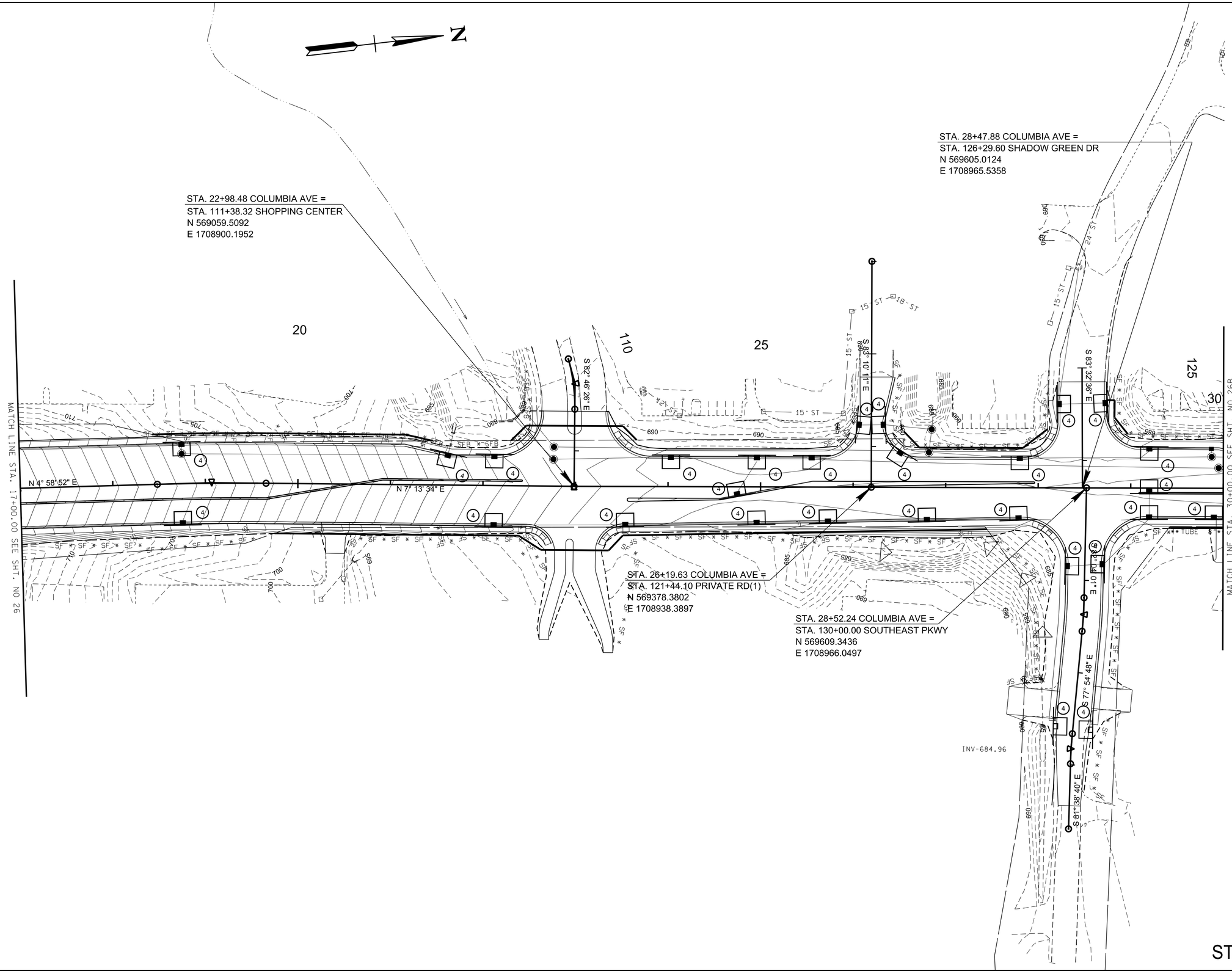
SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	26A



R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 17+00.00 TO STA. 30+00.00

SCALE: 1"= 50'

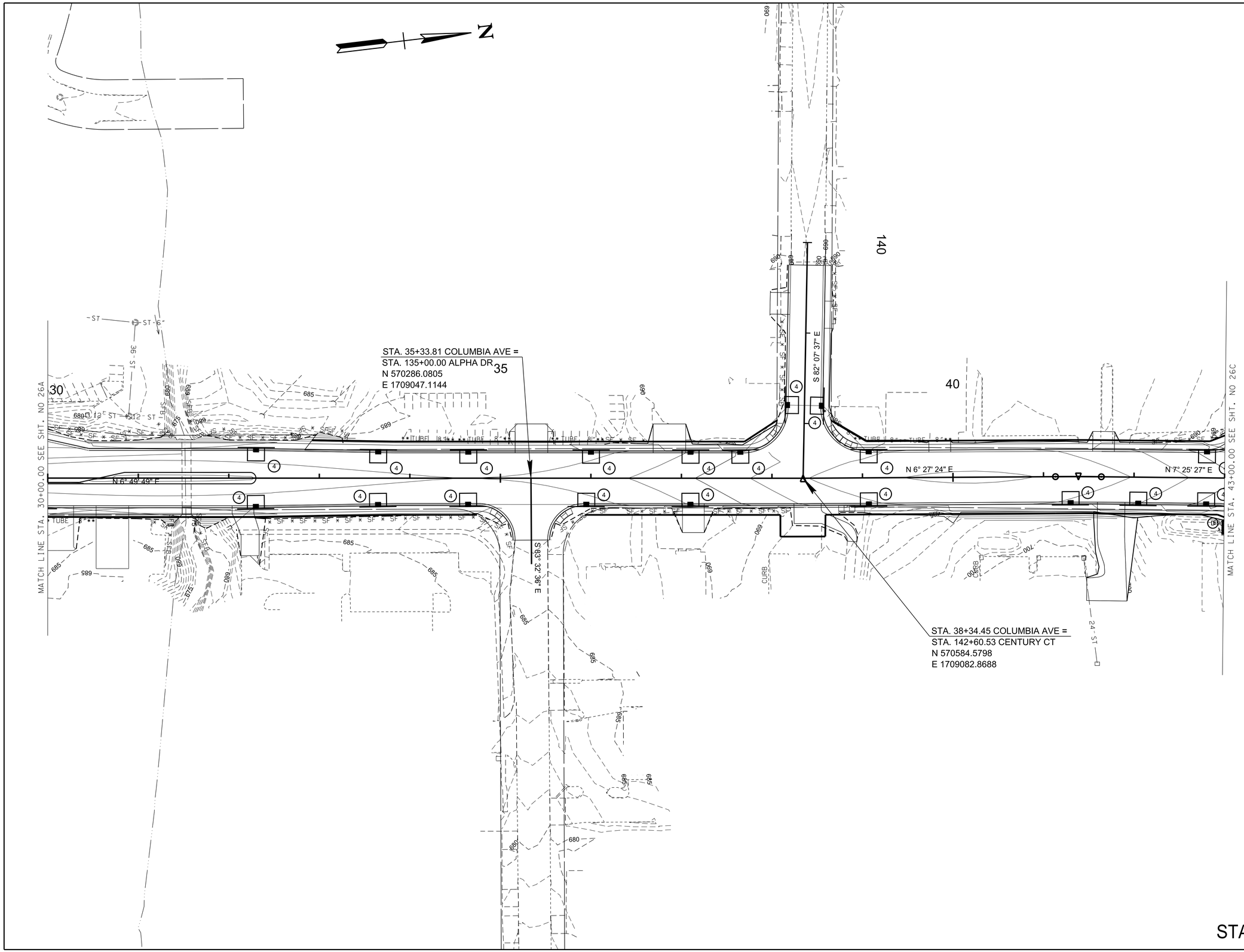
STAGE III

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	26B



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 30+00.00 TO STA. 43+00.00

SCALE: 1"= 50'

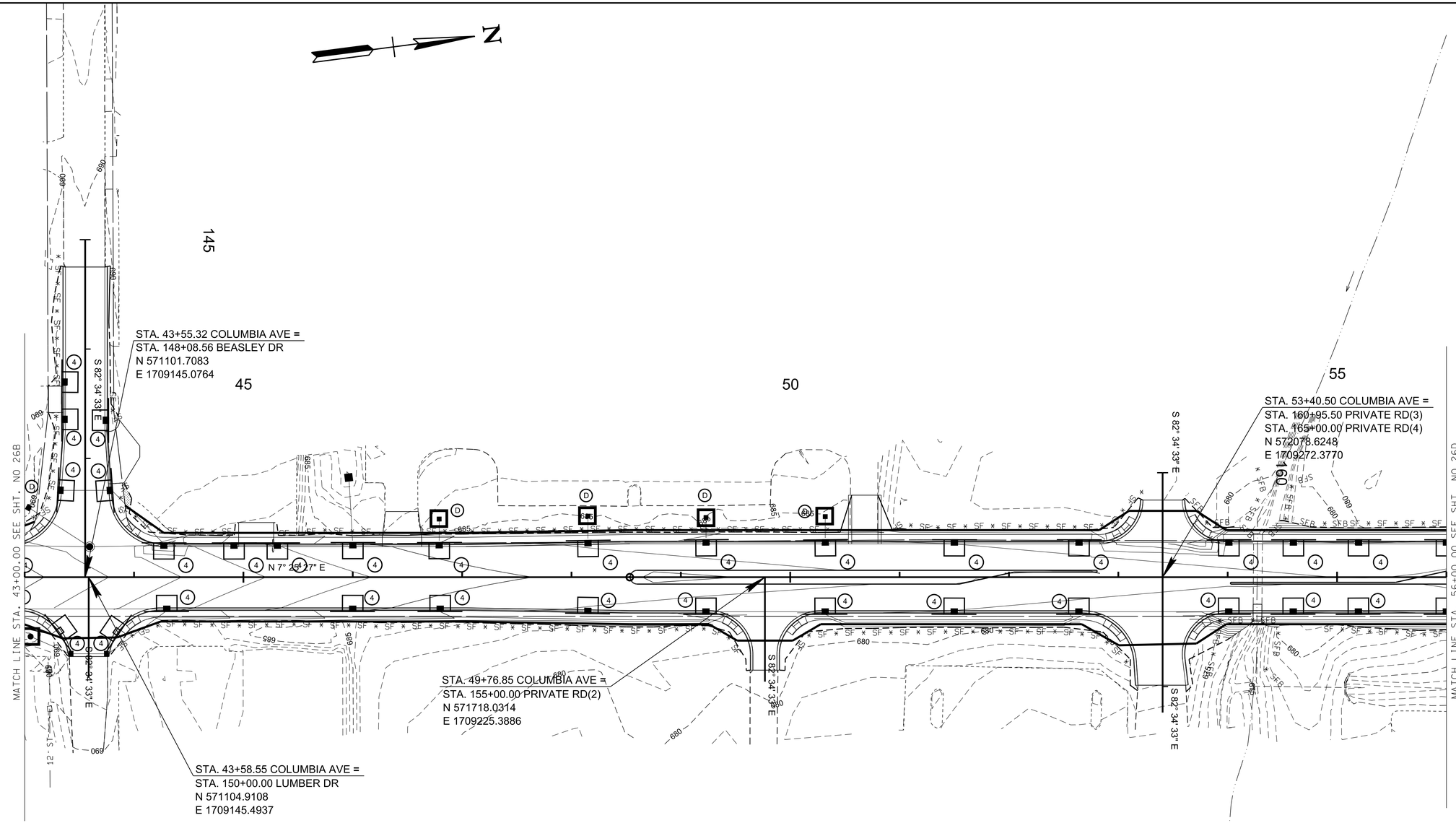
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	26C



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 43+00.00 TO STA. 56+00.00

SCALE: 1"= 50'

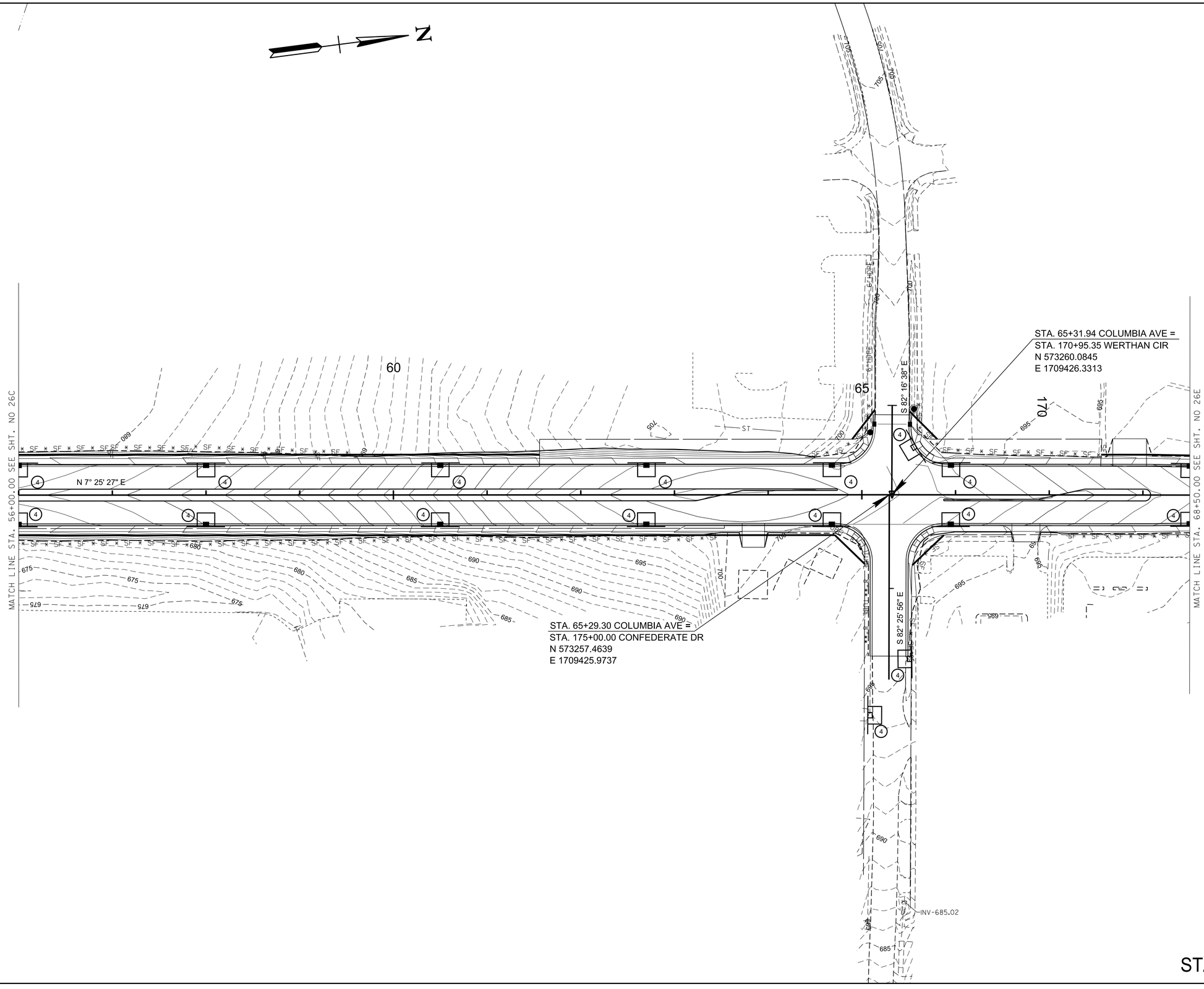
STAGE III

BARGE DESIGN SOLUTIONS

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$TIME$
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	26D



R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 56+00.00 TO STA. 68+50.00

SCALE: 1"= 50'

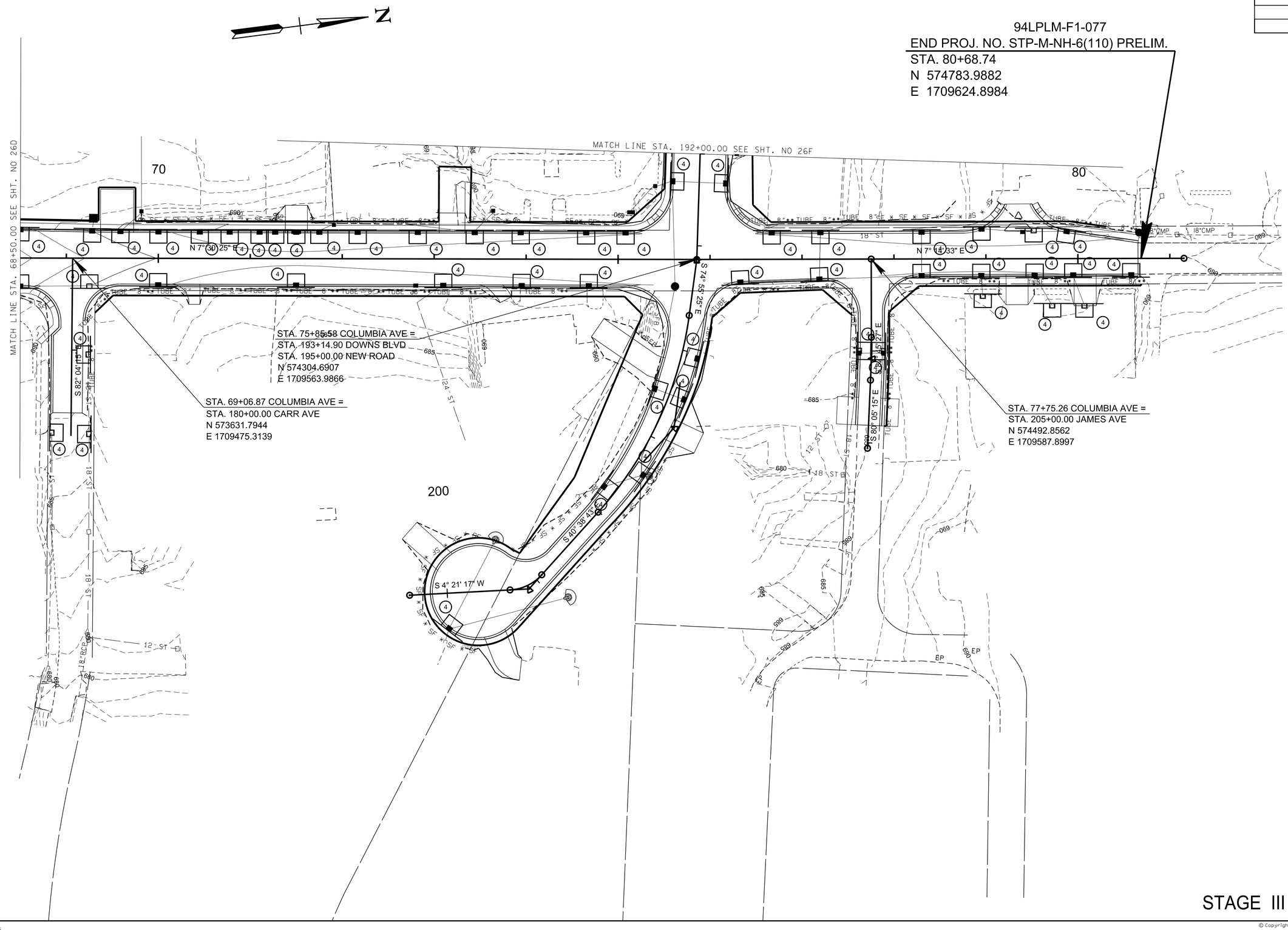
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	26E



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 68+50.00 TO STA. 80+68.74

SCALE: 1"= 50'

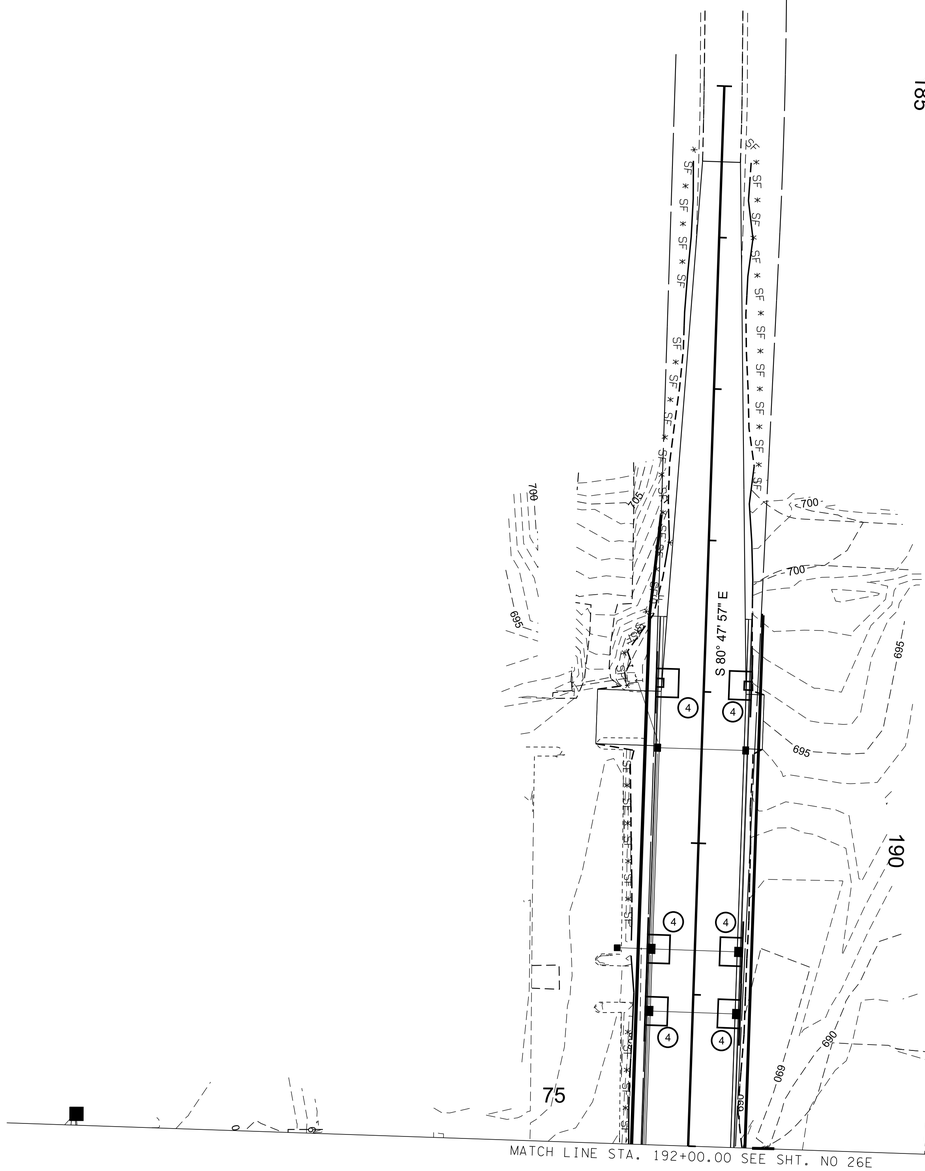
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	26F



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 185+00.00 TO STA. 192+00.00

SCALE: 1"= 50'

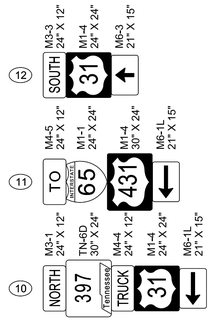
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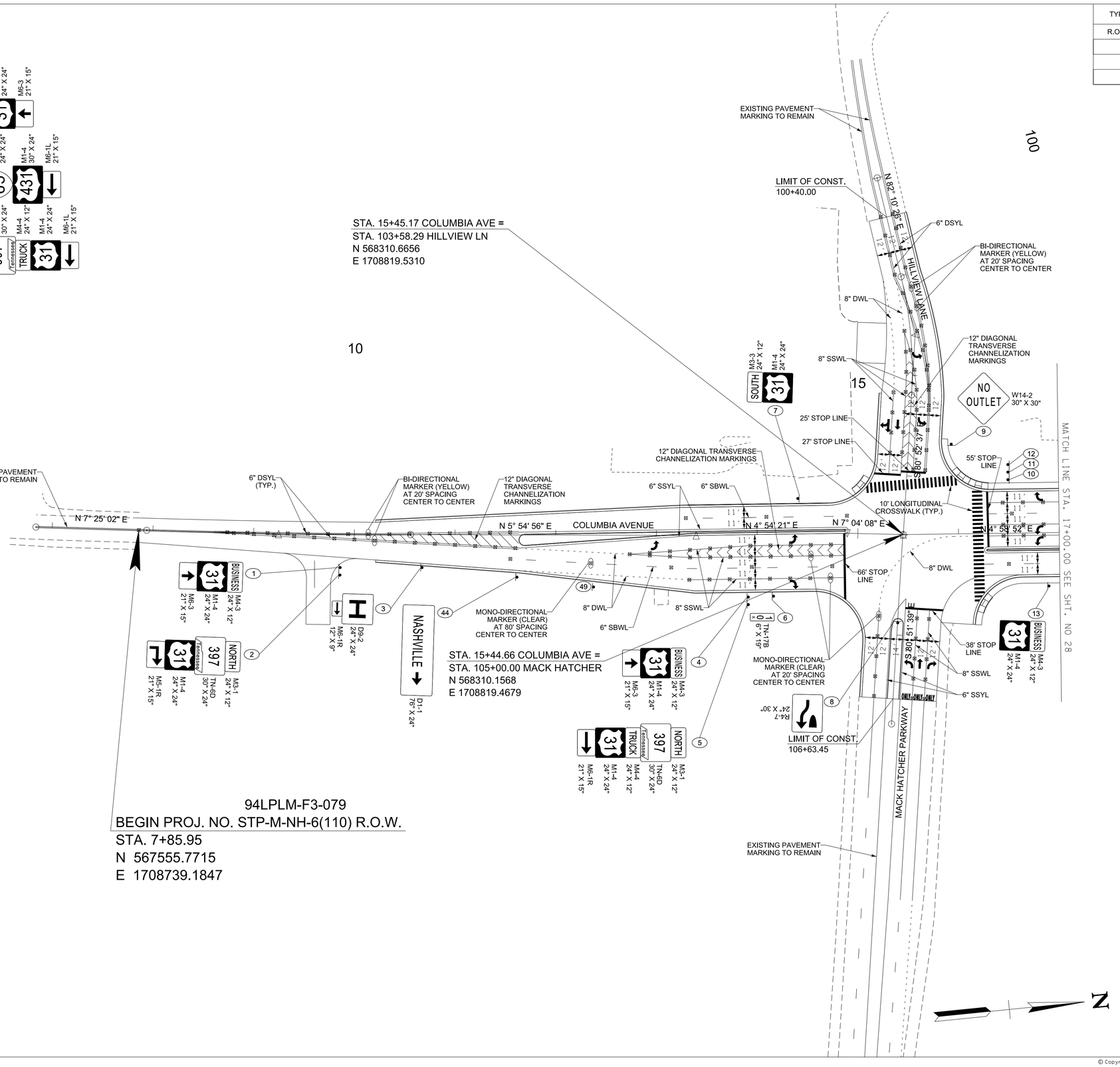
BARGE DESIGN SOLUTIONS

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$INSTR$
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DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	27





R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNING AND PAVEMENT MARKING PLAN
STA. 7+85.95 TO STA. 17+00.00

SCALE: 1"= 50'

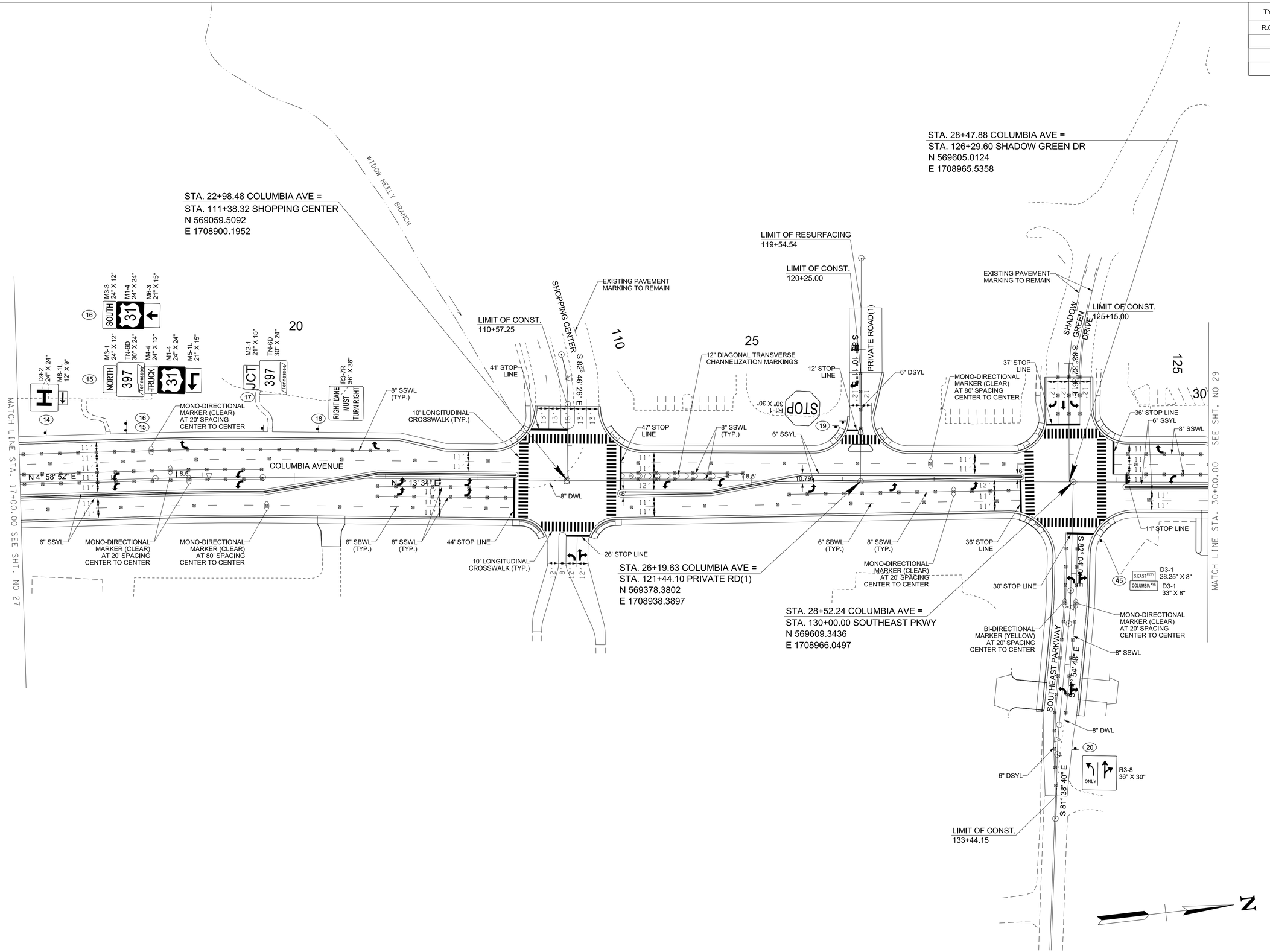
BARGE DESIGN SOLUTIONS

11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	28



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNING AND PAVEMENT MARKING PLAN
STA. 17+00.00 TO STA. 30+00.00

SCALE: 1"= 50'

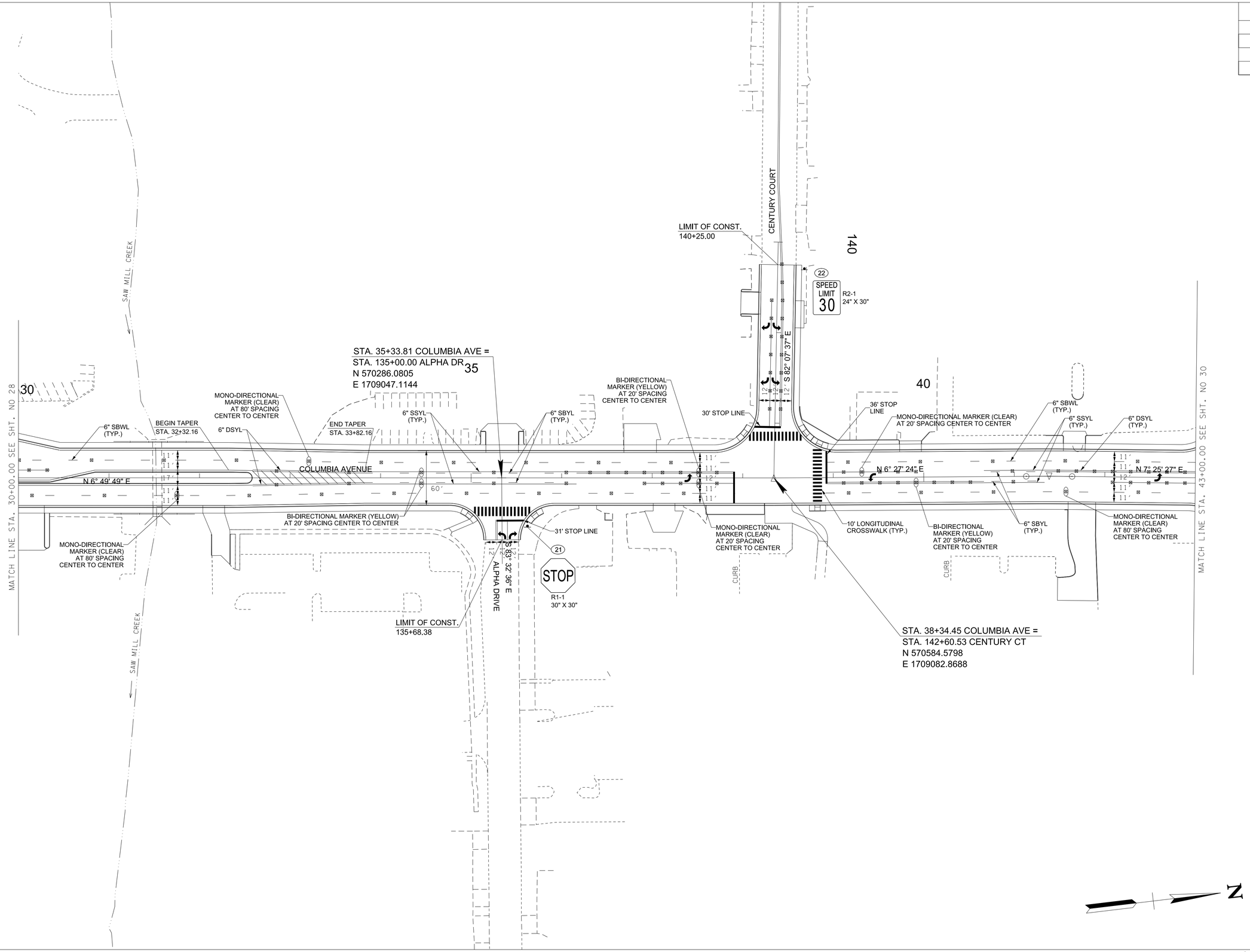
BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	29



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNING AND PAVEMENT MARKING PLAN
STA. 30+00.00 TO STA. 43+00.00

SCALE: 1"= 50'

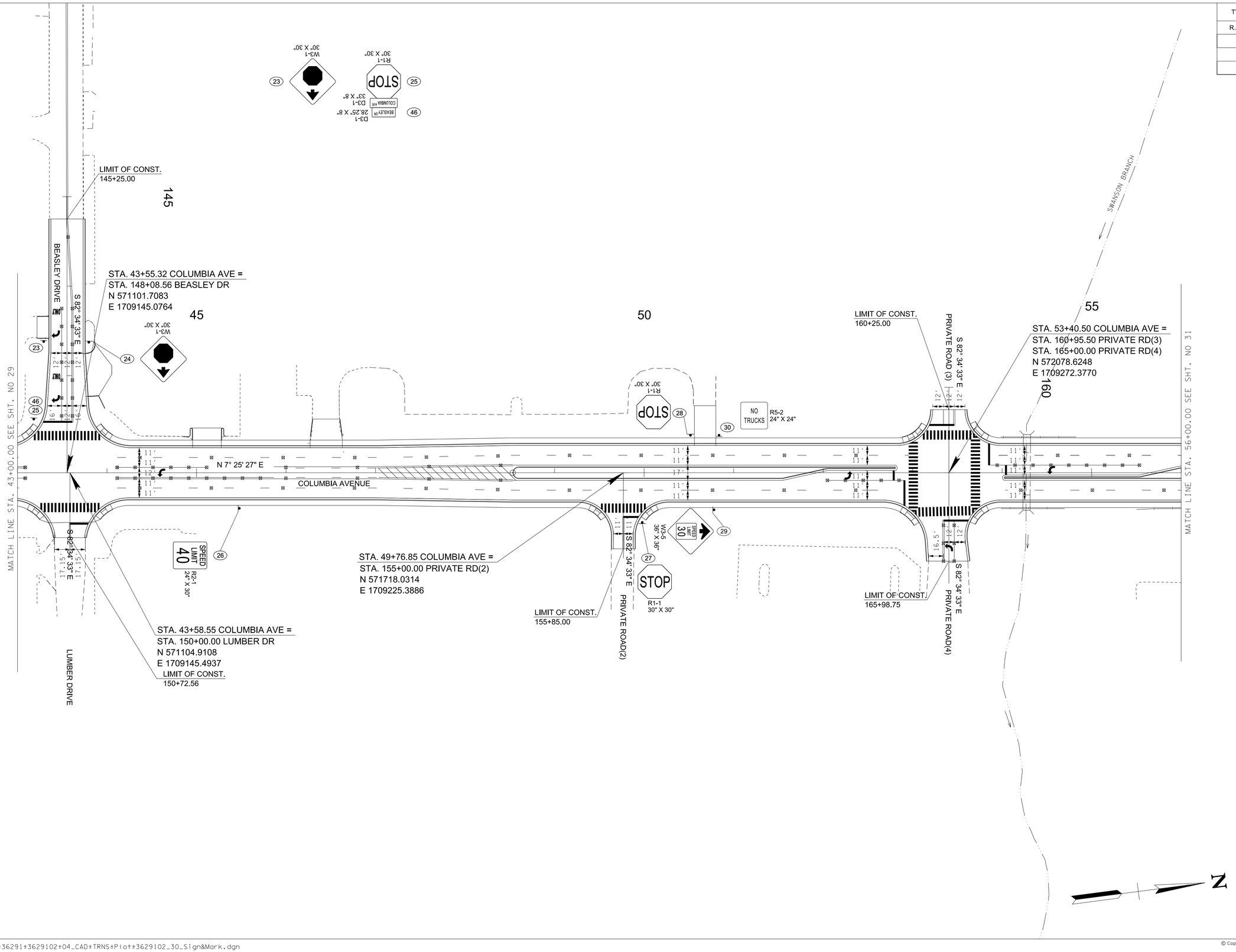
BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	30



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNING AND PAVEMENT MARKING PLAN

STA. 43+00.00 TO STA. 56+00.00

SCALE: 1"= 50'

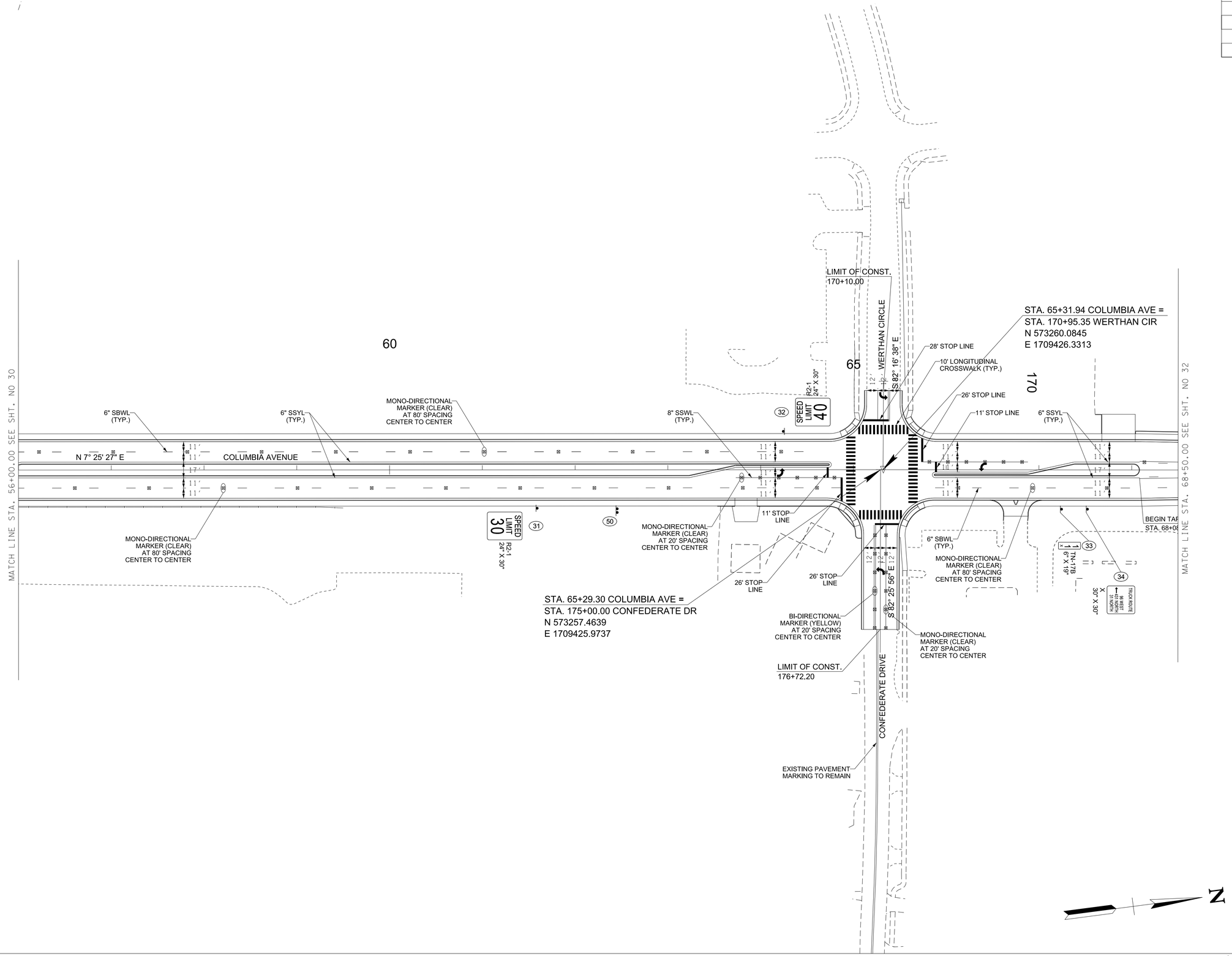
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	31



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNING AND PAVEMENT MARKING PLAN

STA. 56+00.00 TO STA. 68+50.00

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

11/12/2024
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$INSTR$
$USER$
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	32

94LPLM-F2-078
END PROJ. NO. STP-M-NH-6(110) R.O.W.
STA. 80+68.73
N 574783.9882
E 1709624.8984

MATCH LINE STA. 68+50.00 SEE SHT. NO 31

70

80

MATCH LINE STA. 192+00.00 SEE SHT. NO 33

M3-3 24" X 12"
M4-4 24" X 12"
SOUTH TRUCK
M1-4 24" X 24"
31

M3-3 24" X 12"
M1-4 30" X 24"
M6-3 21" X 15"
SOUTH
431

R2-1 24" X 30"
SPEED LIMIT 30

N 7° 30' 25" E

COLUMBIA AVENUE

N 7° 14' 33" E

S 74° 55' 25" E

CARR AVE
COLUMBIA AVE
D3-1 24" X 8"
D3-1 33" X 8"
STOP R1-1 30" X 30"

STA. 75+85.58 COLUMBIA AVE =
STA. 193+14.90 DOWNS BLVD
STA. 195+00.00 NEW ROAD
N 574304.6907
E 1709563.9866

STA. 69+06.87 COLUMBIA AVE =
STA. 180+00.00 CARR AVE
N 573631.7944
E 1709475.3139

CARR AVENUE
S 82° 04' 15" E

LIMIT OF CONST.
181+68.36

AVONDALE DR
JAMES AVE
COLUMBIA AVE
D3-1 31.5" X 8"
D3-1 26.25" X 8"
D3-1 33" X 8"
STOP R1-1 30" X 30"

31 NORTH
M1-4 24" X 24"
M3-1 24" X 12"

STA. 77+75.26 COLUMBIA AVE =
STA. 205+00.00 JAMES AVE
N 574492.8562
E 1709587.8997

S 82° 45' 27" E
S 80° 05' 15" E

JAMES AVENUE

LIMIT OF CONST.
206+80.92

NEW ROAD

S 40° 38' 43" E

S 4° 21' 17" W

EP

200

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNING AND PAVEMENT MARKING PLAN
STA. 68+50.00 TO STA. 80+68.74

SCALE: 1"= 50'

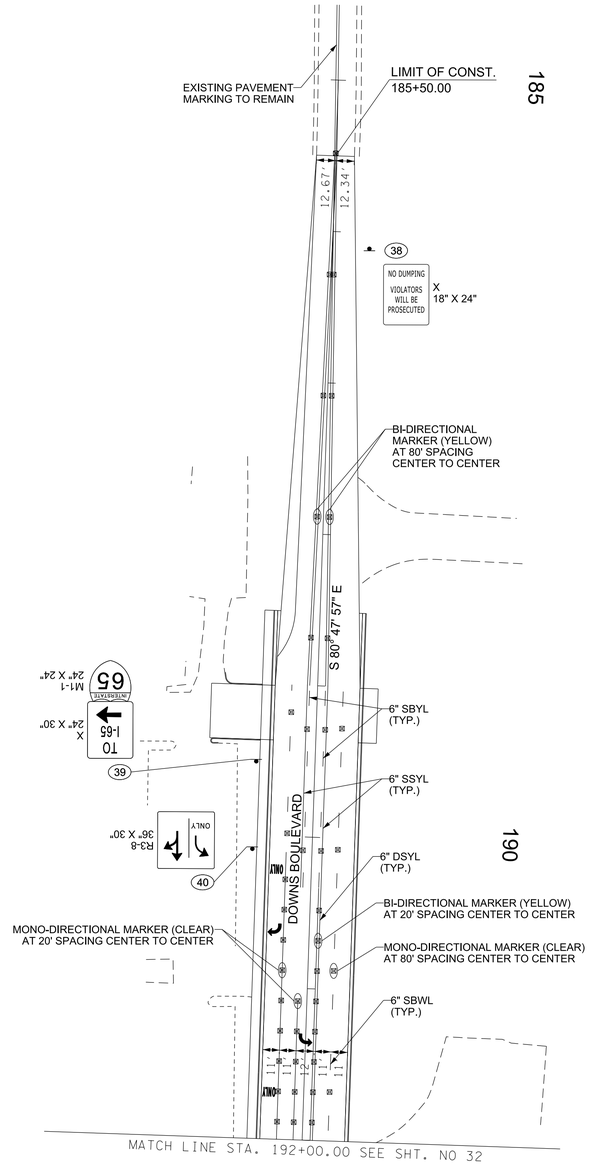
BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	33



R.O.W. PLANS

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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNING AND PAVEMENT MARKING PLAN

STA. 185+50.00 TO STA. 192+00.00

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

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THE FOLLOWING STANDARD DRAWINGS APPLY UNLESS OTHERWISE NOTED IN THE REMARKS; FLAT SHEET (T-S SERIES 10, 12, 16, 17, 19, 20); EXTRUDED PANEL (T-S SERIES 6, 9, 13, 14); WALL/BARRIER MOUNTED (T-S-21), MULTI-DIRECTIONAL BASE (T-S SERIES 23A, 23B, 23C); RAILROAD (T-S-16)

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	34

SIGN NO	LEGEND	SHEET NO	SIZE				COPY				SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					MINIMUM VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL	SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. CU. YD.	REIN STEEL LBS.		
1 4	BUSINESS M4-3 31 M1-4 M6-3	27	24"	12"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P8	12' - 9"				5' - 0"	
			24"	24"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
			21"	15"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
2	NORTH M3-1 397 TN-6D Tennessee 31 M1-4 M5-1R	27	24"	12"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P8	14' - 9"				5' - 0"	
			30"	24"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
			24"	24"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
			21"	15"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
3	H D9-2 M6-1R	27	24"	24"									WHITE	BLUE (REF.)	0.080" SHEET ALUMINUM	P8	13' - 3"				7' - 0"	
			12"	9"									WHITE	BLUE (REF.)	0.080" SHEET ALUMINUM							
5	NORTH M3-1 397 TN-6D Tennessee TRUCK M4-4 31 M1-4 M6-1R	27	24"	12"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P8	17' - 9"				7' - 0"	
			30"	24"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
			24"	12"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
			24"	24"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
			21"	15"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
6	10 TN-17B	27	6"	19"									WHITE	GREEN (REF.)	0.080" SHEET ALUMINUM	U3	12' - 3"				7' - 0"	
7	SOUTH M3-3 31 M1-4	27	24"	12"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P8	13' - 6"				7' - 0"	
			24"	24"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
8	R4-7	27	24"	30"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	U6	13' - 0"				7' - 0"	
9	NO OUTLET W14-2	27	30"	30"									BLACK	YELLOW (REF.)	0.080" SHEET ALUMINUM	U6	13' - 0"				7' - 0"	
10	NORTH TN-6D 397 TN-6D Tennessee TRUCK M4-4 31 M1-4 M6-1L	27	24"	12"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P8	17' - 9"				7' - 0"	
			30"	24"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
			24"	12"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
			24"	24"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
			21"	15"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
11	TO M4-5 INTERSTATE 65 M1-1 431 M1-4 M6-1L	27	24"	12"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P8	16' - 9"				7' - 0"	
			24"	24"									WHITE	BLUE (REF.)	0.080" SHEET ALUMINUM							
			30"	24"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
			21"	15"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
12 16	SOUTH M3-3 31 M1-4 M6-3	27, 28	24"	12"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P8	13' - 6"				7' - 0"	
			24"	24"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
			21"	15"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							

U-POST SUBSTITUTION TABLE

BID ITEM 713-11.01	SUBSTITUTION ALLOWED
2 LBS/FT. U1	2 LBS/FT. MUI OR 2 LBS/FT. R1
2.5 LBS/FT. U3	2.5 LBS/FT. MU3 OR 3 LBS/FT. R2*
3 LBS/FT. U6	
4 LBS/FT. U7	NO SUBSTITUTES

* PAID AT A RATE OF 2.5 /FT.

R.O.W.

PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGN SCHEDULE SHEET

BARGE DESIGN SOLUTIONS

11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	35

SIGN NO	LEGEND	SHEET NO	SIZE				COPY				SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					MINIMUM VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL	SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC.	REIN STEEL		
(13)	BUSINESS M4-3 31 M1-4	27	24"	12"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P8	13' - 3"				7' - 0"	
			24"	24"									WHITE	BLUE (REF.)	0.080" SHEET ALUMINUM							
(14)	H D9-2 M6-1L	28	24"	24"									WHITE	BLUE (REF.)	0.080" SHEET ALUMINUM	U6	17' - 9"				7' - 0"	
			12"	9"									WHITE	BLUE (REF.)	0.080" SHEET ALUMINUM							
(15)	NORTH M3-1 397 TN-6D Tennessee	28	24"	12"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P8	14' - 9"				7' - 0"	
			30"	24"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
	TRUCK M4-4 31 M1-4		24"	12"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
	M6-1R		24"	24"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
			21"	15"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
(17)	JCT M2-1 397 TN-6D Tennessee	28	21"	15"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P8	13' - 9"				7' - 0"	
			30"	24"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
(18)	RIGHT LANE MUST TURN RIGHT R3-7R	28	36"	36"									BLACK	WHITE (REF.)	0.100" SHEET ALUMINUM	U6	13' - 6"				7' - 0"	
(19) (21) (25) (27) (28) (35) (41)	STOP R1-1	28 - 30, 31	30"	30"									WHITE	RED (REF.)	0.080" SHEET ALUMINUM	U6	13' - 0"				7' - 0"	
(20)	ONLY R3-8	28	36"	30"									BLACK	WHITE (REF.)	0.100" SHEET ALUMINUM	U6	11' - 0"				5' - 0"	
(22) (31) (42)	SPEED LIMIT 30 R2-1	29, 31 - 32	24"	30"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	U6	13' - 0"				7' - 0"	
(23) (24)	W3-1	30	30"	30"									BLACK WHITE, RED (REF.)	YELLOW (REF.)	0.080" SHEET ALUMINUM	P8	13' - 0"				7' - 0"	
(26) (32)	SPEED LIMIT 40 R2-1	30 - 31	24"	30"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	U6	13' - 0"				7' - 0"	
(29)	SPEED LIMIT 30 W3-5	30	36"	36"									BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	P8	13' - 6"				7' - 0"	
(30)	NO TRUCKS R5-2	30	24"	24"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	U6	12' - 6"				7' - 0"	
(33)	1 1 X TN-17B	31	6"	19"									WHITE	GREEN (REF.)	0.080" SHEET ALUMINUM	U3	12' - 3"				7' - 0"	
(34)	TRUCK ROUTE 96 WEST ← 431 NORTH 31 NORTH	31	30"	30"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	U6	13' - 0"				7' - 0"	

U-POST SUBSTITUTION TABLE

BID ITEM 713-11.01	SUBSTITUTION ALLOWED
2 LBS/FT. U1	2 LBS/FT. MUI OR 2 LBS/FT. R1
2.5 LBS/FT. U3	2.5 LBS/FT. MU3 OR 3 LBS/FT. R2*
3 LBS/FT. U6	
4 LBS/FT. U7	NO SUBSTITUTES

* PAID AT A RATE OF 2.5 /FT.

R.O.W.

PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGN SCHEDULE SHEET

BARGE DESIGN SOLUTIONS

11/12/2024
$TIME$
$INSTR$
$USER$
TBL

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ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)

THE FOLLOWING STANDARD DRAWINGS APPLY UNLESS OTHERWISE NOTED IN THE REMARKS; FLAT SHEET (T-S SERIES 10, 12, 16, 17, 19, 20); EXTRUDED PANEL (T-S SERIES 6, 9, 13, 14); WALL/BARRIER MOUNTED (T-S-21), MULTI-DIRECTIONAL BASE (T-S SERIES 23A, 23B, 23C); RAILROAD (T-S-16)

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	36

SIGN NO	LEGEND	SHEET NO	SIZE				COPY				SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					MINIMUM VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL	SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC.	REIN STEEL		
36	SOUTH M3-3 TRUCK M4-4 31 M1-4	32	24"	12"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P8	14' - 6"				7' - 0"	
			24"	12"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
			24"	24"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
37	SOUTH M3-3 431 M1-4 M6-3	32	24"	12"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P8	14' - 9"				7' - 0"	
			30"	24"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
			21"	15"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
38	NO DUMPING VIOLATORS WILL BE PROSECUTED	33	18"	24"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	U3	10' - 6"				5' - 0"	
39	TO I-65 M1-1	33	24"	30"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P8	13' - 0"				5' - 0"	
			24"	24"									WHITE	BLUE (REF.)	0.080" SHEET ALUMINUM							
40	R3-8 ONLY	33	36"	30"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	U6	13' - 0"				7' - 0"	
43	NORTH TN-6D 31 M1-4	32	24"	12"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P8	13' - 6"				7' - 0"	
			24"	24"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM							
44	NASHVILLE → D1-1	27	76"	24"									WHITE (REF.)	GREEN (REF.)	0.100" SHEET ALUMINUM	2 @ U6	12' - 6"				7' - 0"	
45	S.EAST PKWY D3-1 COLUMBIA AVE D3-1	28	28.25"	8"									WHITE (REF.)	GREEN (REF.)	0.080" SHEET ALUMINUM	U6	11' - 10"				7' - 0"	
			33"	8"									WHITE (REF.)	GREEN (REF.)	0.080" SHEET ALUMINUM							
46	BEASLEY DR D3-1 COLUMBIA AVE D3-1	30	28.25"	8"									WHITE (REF.)	GREEN (REF.)	0.080" SHEET ALUMINUM	**	**				9' - 6"	** STREET SIGNS TO BE ATTACHED TO STOP SIGN (R1-1); SIGN NO. 25
			33"	8"									WHITE (REF.)	GREEN (REF.)	0.080" SHEET ALUMINUM							
47	CARR AVE D3-1 COLUMBIA AVE D3-1	32	24"	8"									WHITE (REF.)	GREEN (REF.)	0.080" SHEET ALUMINUM	**	**				9' - 6"	** STREET SIGNS TO BE ATTACHED TO STOP SIGN (R1-1); SIGN NO. 35
			33"	8"									WHITE (REF.)	GREEN (REF.)	0.080" SHEET ALUMINUM							
48	AVONDALE DR D3-1 JAMES AVE D3-1 COLUMBIA AVE D3-1	32	31.5"	8"									WHITE (REF.)	GREEN (REF.)	0.080" SHEET ALUMINUM	**	**				9' - 6"	** STREET SIGNS TO BE ATTACHED TO STOP SIGN (R1-1); SIGN NO. 41
			26.25"	8"									WHITE (REF.)	GREEN (REF.)	0.080" SHEET ALUMINUM							
				8"									WHITE (REF.)	GREEN (REF.)	0.080" SHEET ALUMINUM							
49	RELOCATE "DISCOVER TENNESSEE", "OLD TENNESSEE", "RIGHT ARROW"	27																				
50	RELOCATE "ADOPT-A-HIGHWAY, NEXT 2 MILES", "MAGNOLIA HOUSE, BED AND BREAKFAST"	31																				

U-POST SUBSTITUTION TABLE

BID ITEM 713-11.01	SUBSTITUTION ALLOWED
2 LBS/FT. U1	2 LBS/FT. MUI OR 2 LBS/FT. R1
2.5 LBS/FT. U3	2.5 LBS/FT. MU3 OR 3 LBS/FT. R2*
3 LBS/FT. U6	
4 LBS/FT. U7	NO SUBSTITUTES

* PAID AT A RATE OF 2.5 /FT.

R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGN SCHEDULE SHEET

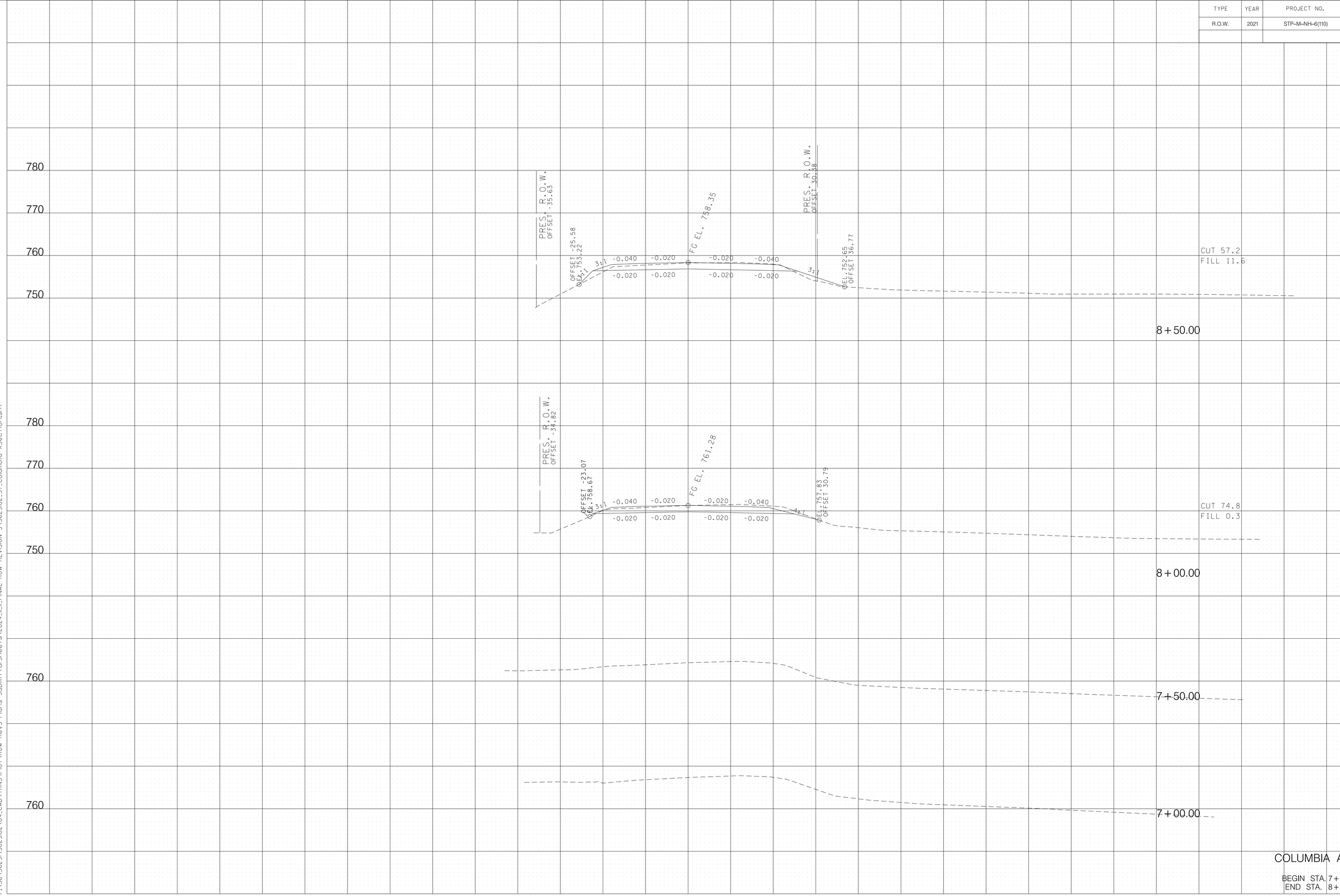
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11/12/2024
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TBL

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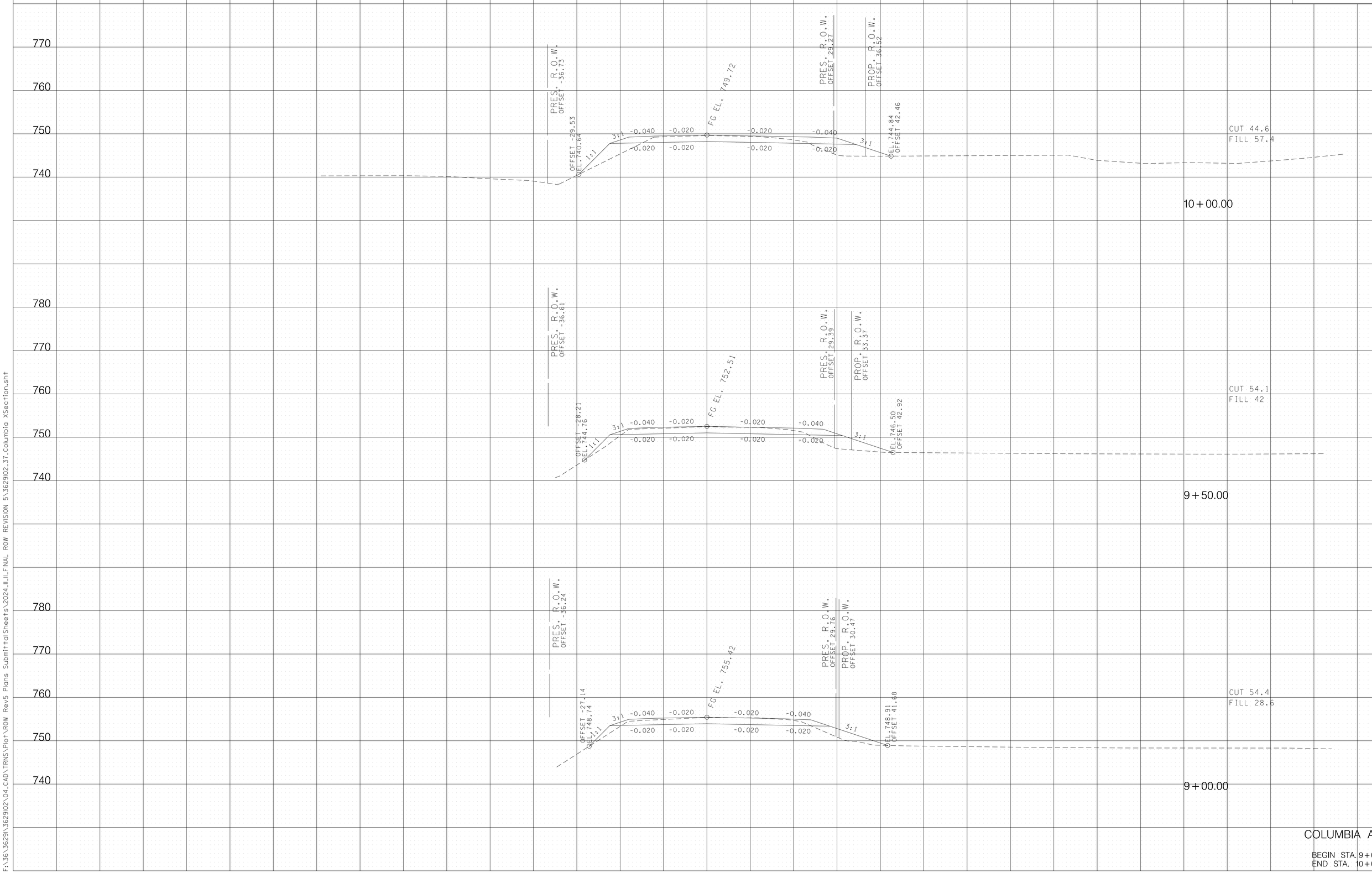
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	37



11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	38

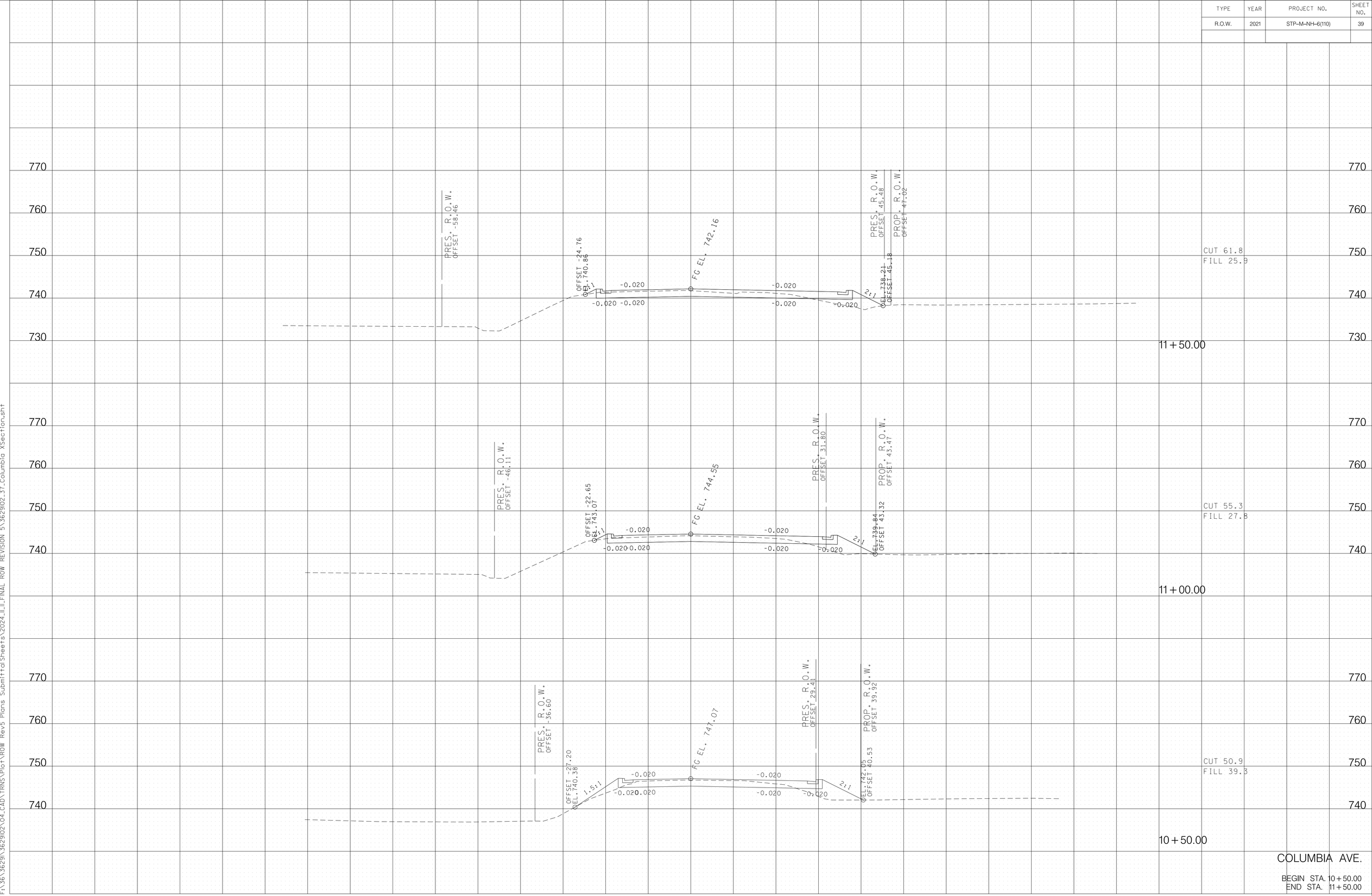


COLUMBIA AVE.

BEGIN STA. 9+00.00
END STA. 10+00.00

11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	39



COLUMBIA AVE.

BEGIN STA. 10+50.00
END STA. 11+50.00

11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	40

760
750
740
730

PRES. R.O.W.
OFFSET -49.73

OFFSET -32.58
ΦEL. 733.54

-0.020
-0.020
-0.020
-0.020
-0.020
-0.020

PROFG EL. 735.03

ΦEL. 734.07
OFFSET 55.09

PRES. R.O.W.
OFFSET 73.00

CUT 118
FILL 2.6

13+00.00

760
750
740
730

PRES. R.O.W.
OFFSET -43.61

OFFSET -29.99
ΦEL. 735.97

-0.020
-0.020
-0.020
-0.020
-0.020
-0.020

PROFG EL. 737.41

ΦEL. 735.60
OFFSET 51.34

PRES. R.O.W.
OFFSET 59.72

CUT 75.8
FILL 16.4

12+50.00

760
750
740
730

PRES. R.O.W.
OFFSET -50.48

OFFSET -27.40
ΦEL. 738.40

-0.020
-0.020
-0.020
-0.020
-0.020
-0.020

PROFG EL. 739.78

ΦEL. 736.86
OFFSET 48.14

PRES. R.O.W.
OFFSET 52.06

CUT 64
FILL 23.8

12+00.00

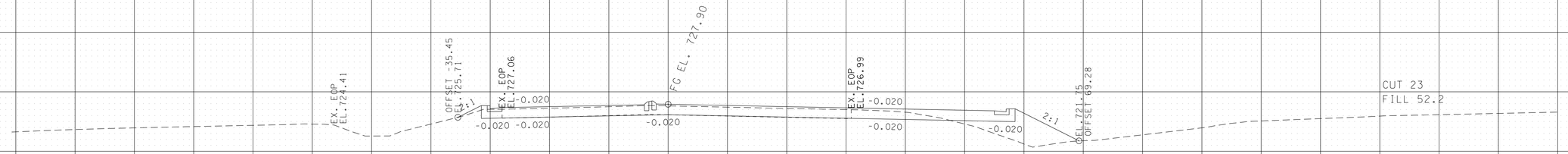
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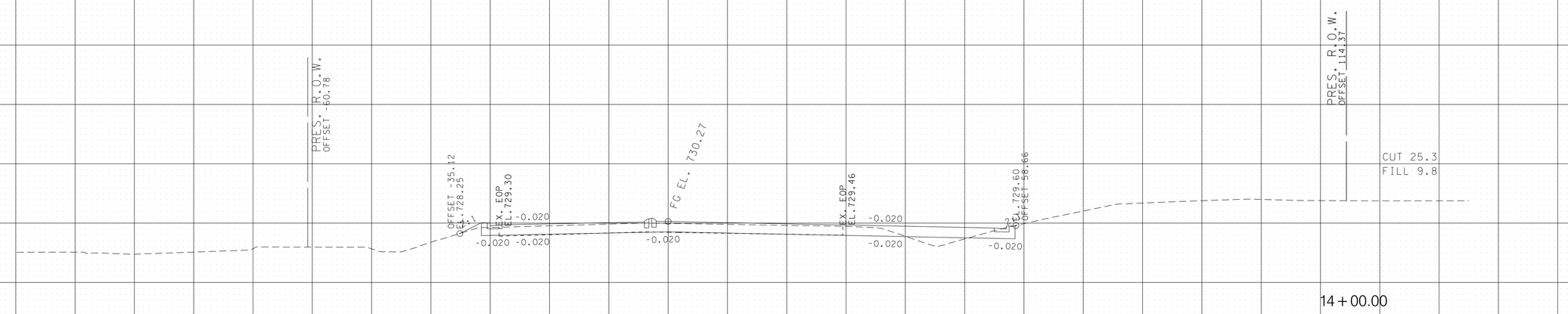
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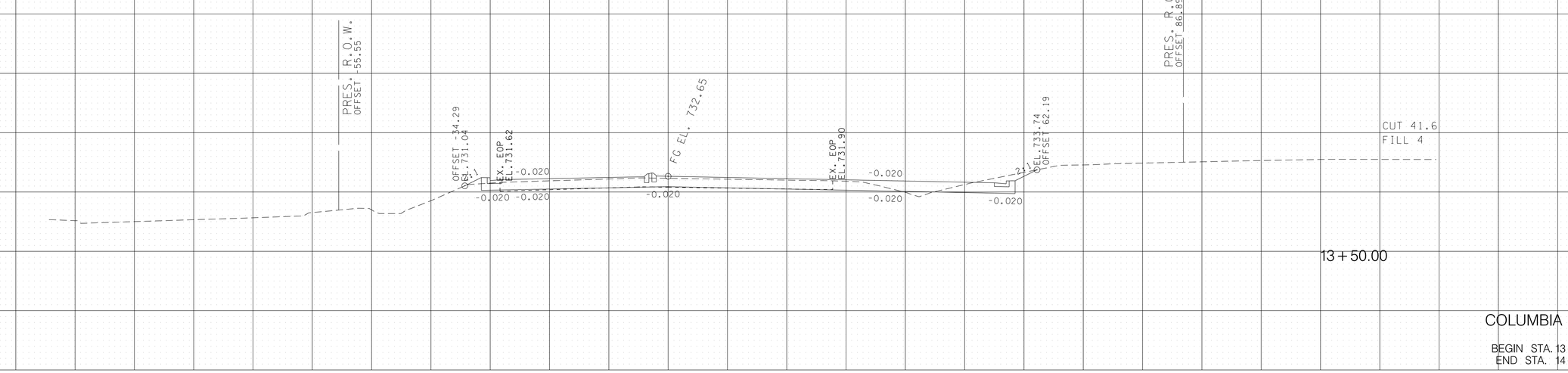
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	41







COLUMBIA AVE.

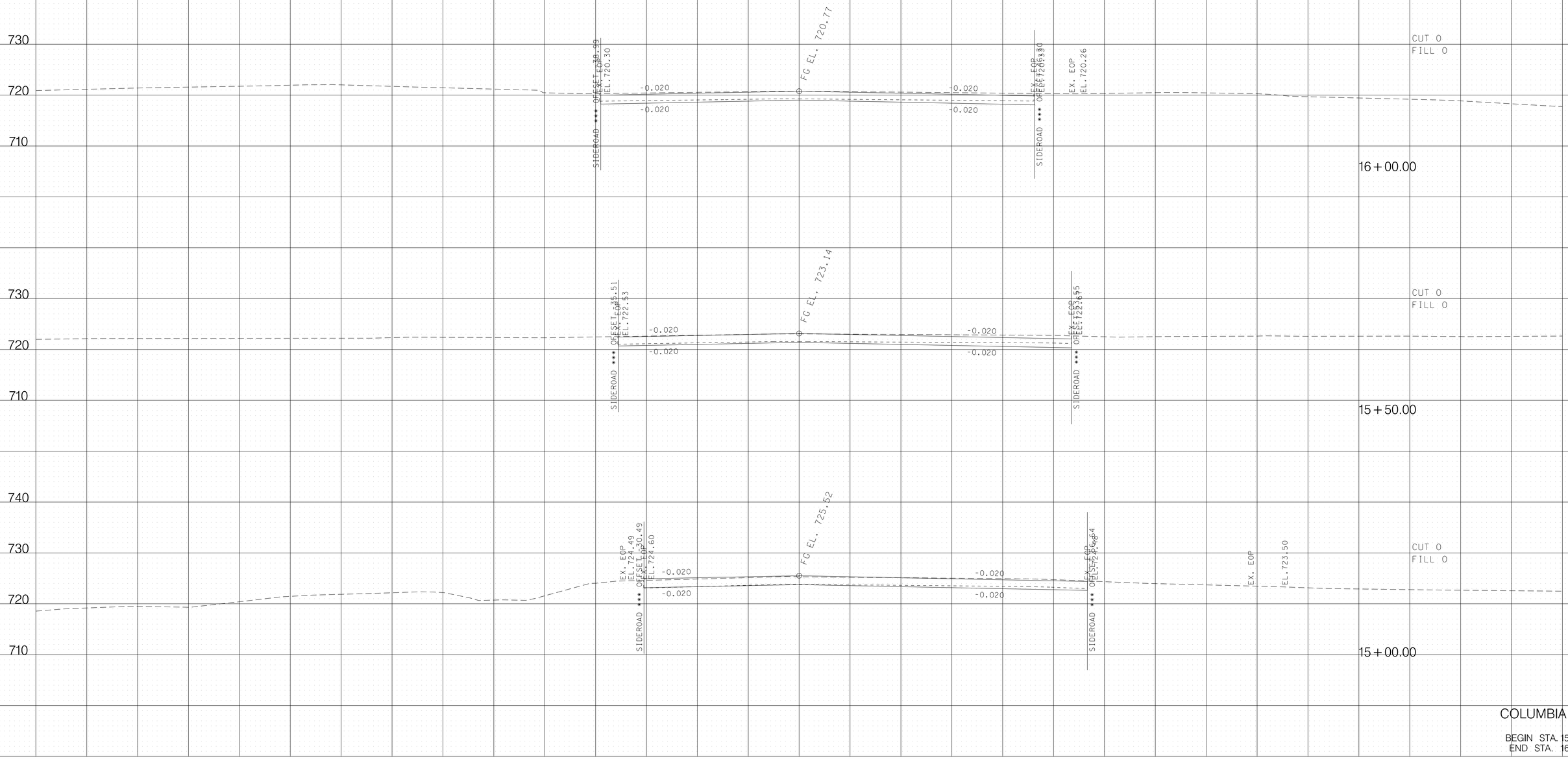
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740 730 720 760 750 740 730 720 760 750 740 730 720

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	42

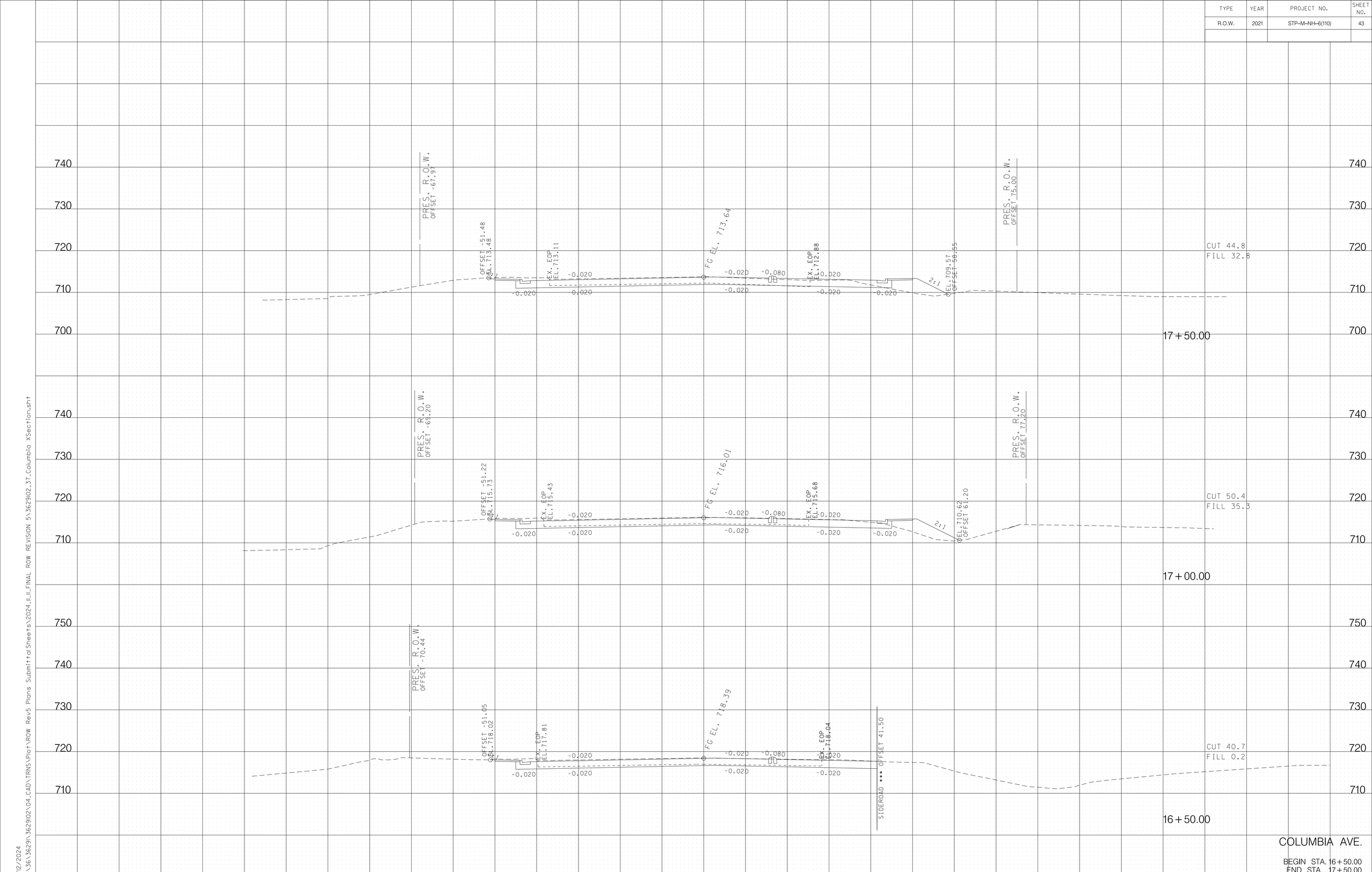


COLUMBIA AVE.

BEGIN STA. 15+00.00
END STA. 16+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	43

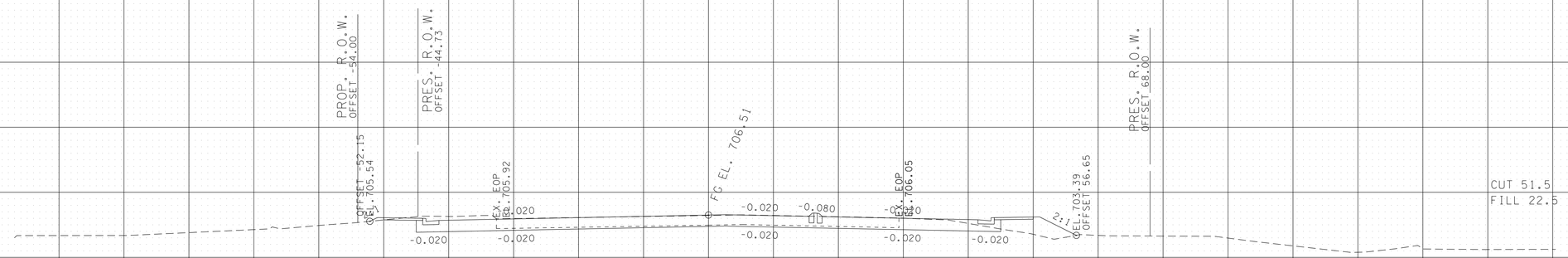


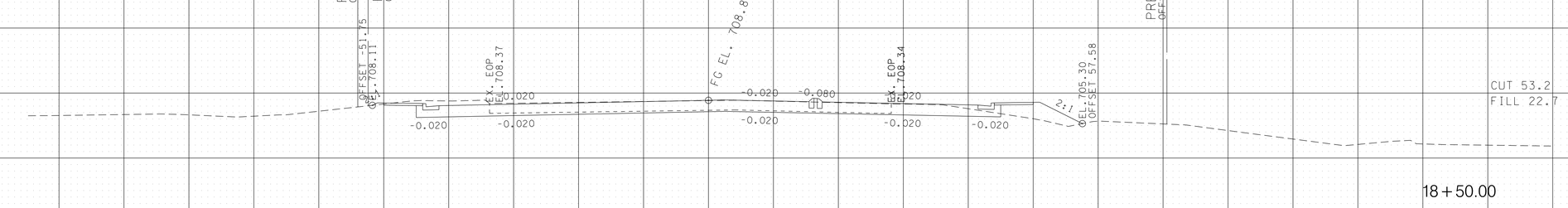
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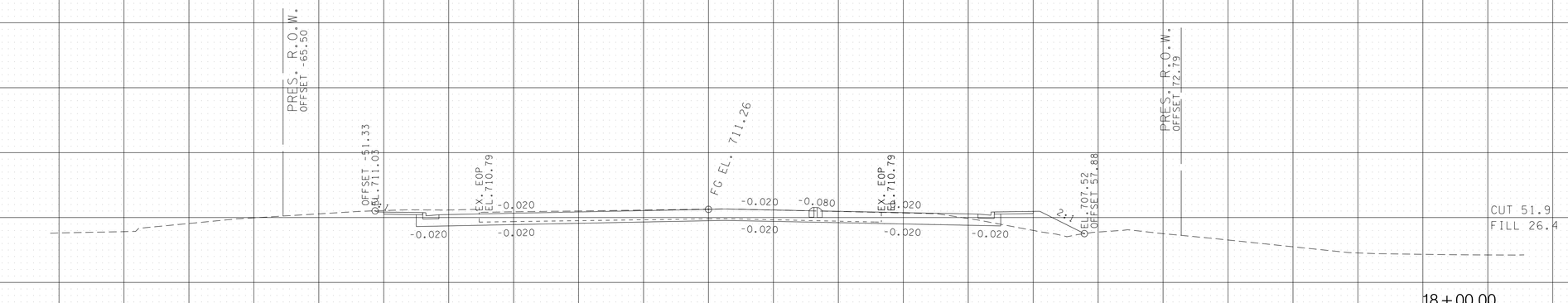
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	44





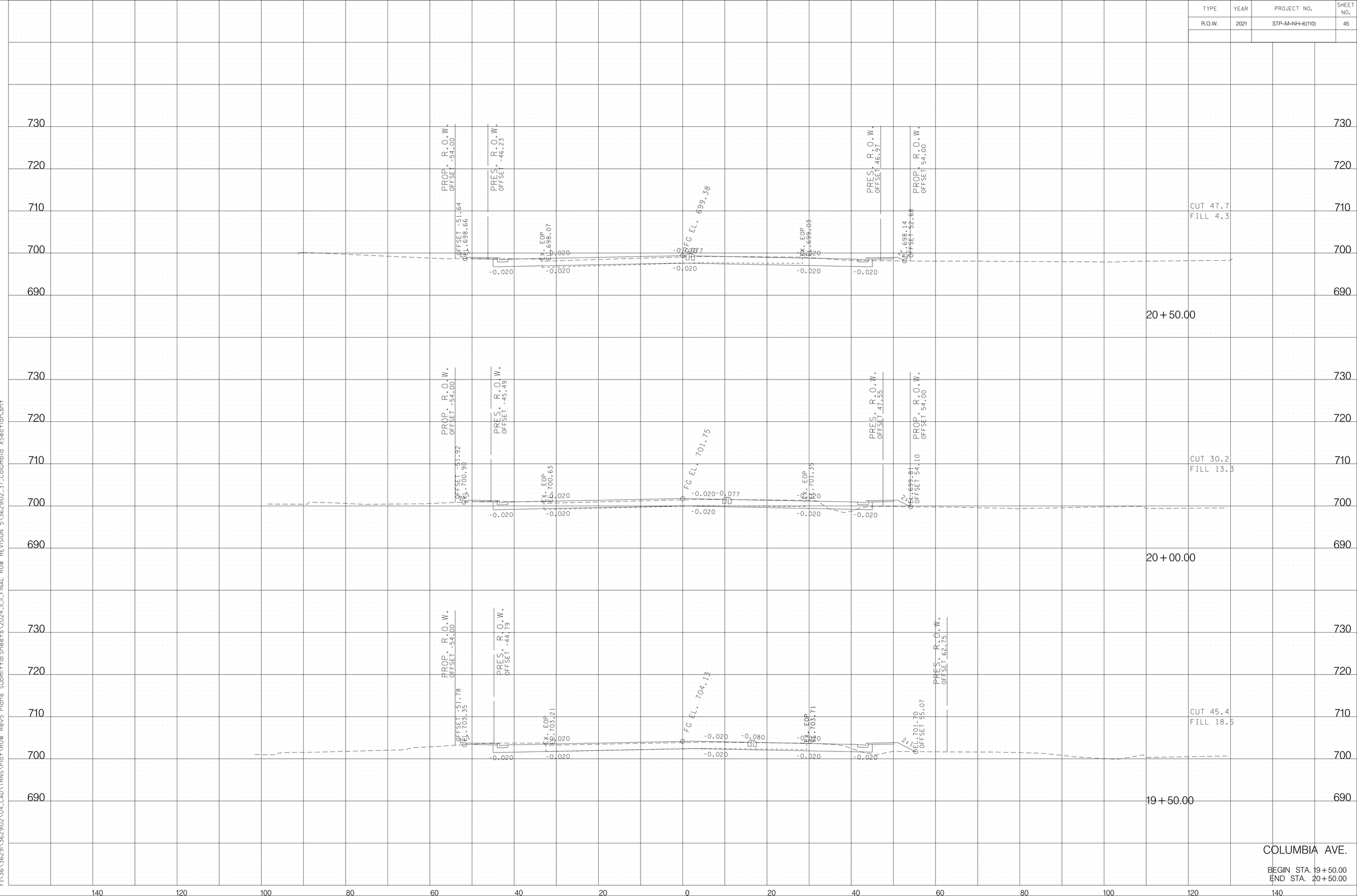


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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	45

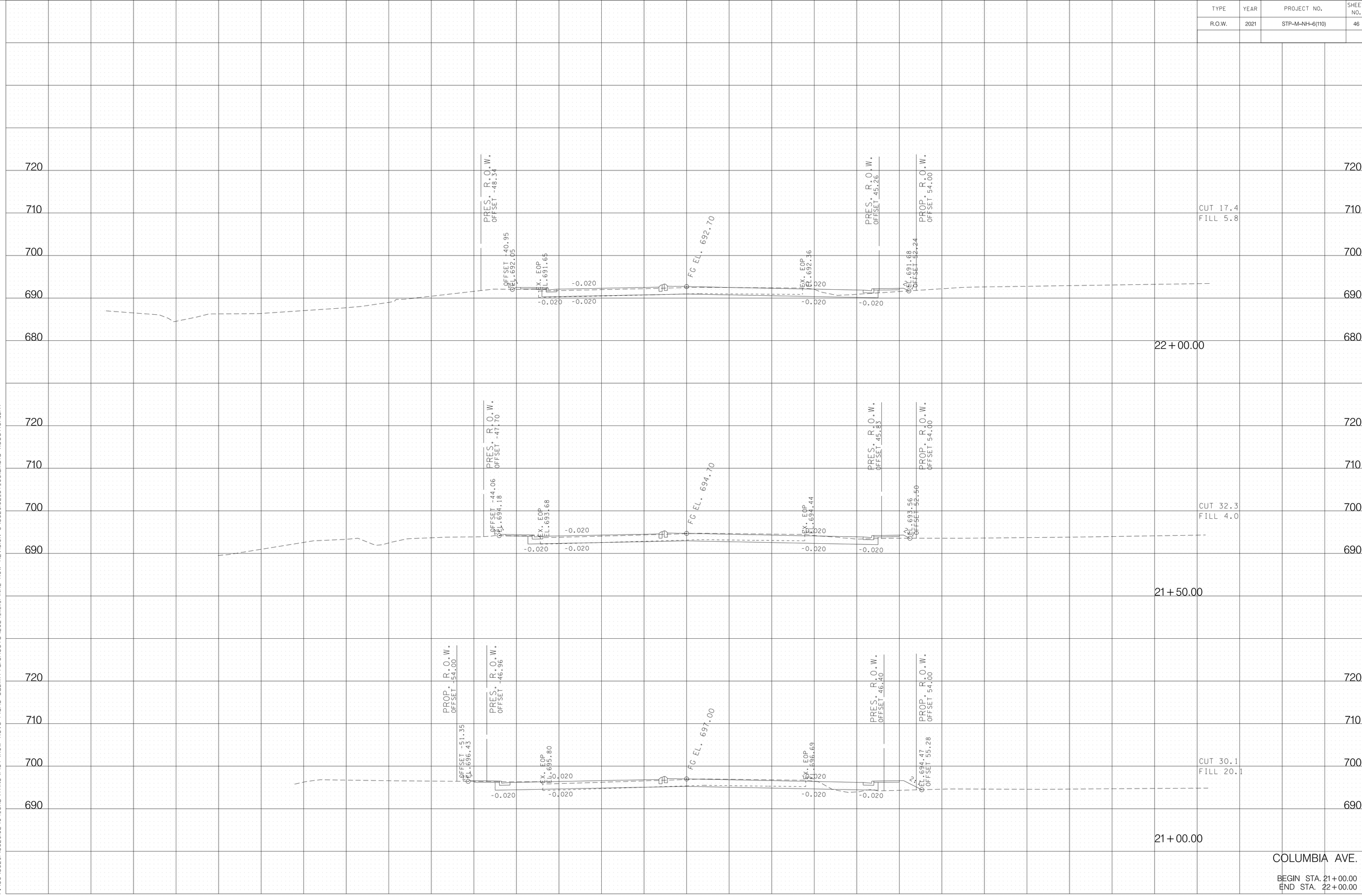


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11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	46

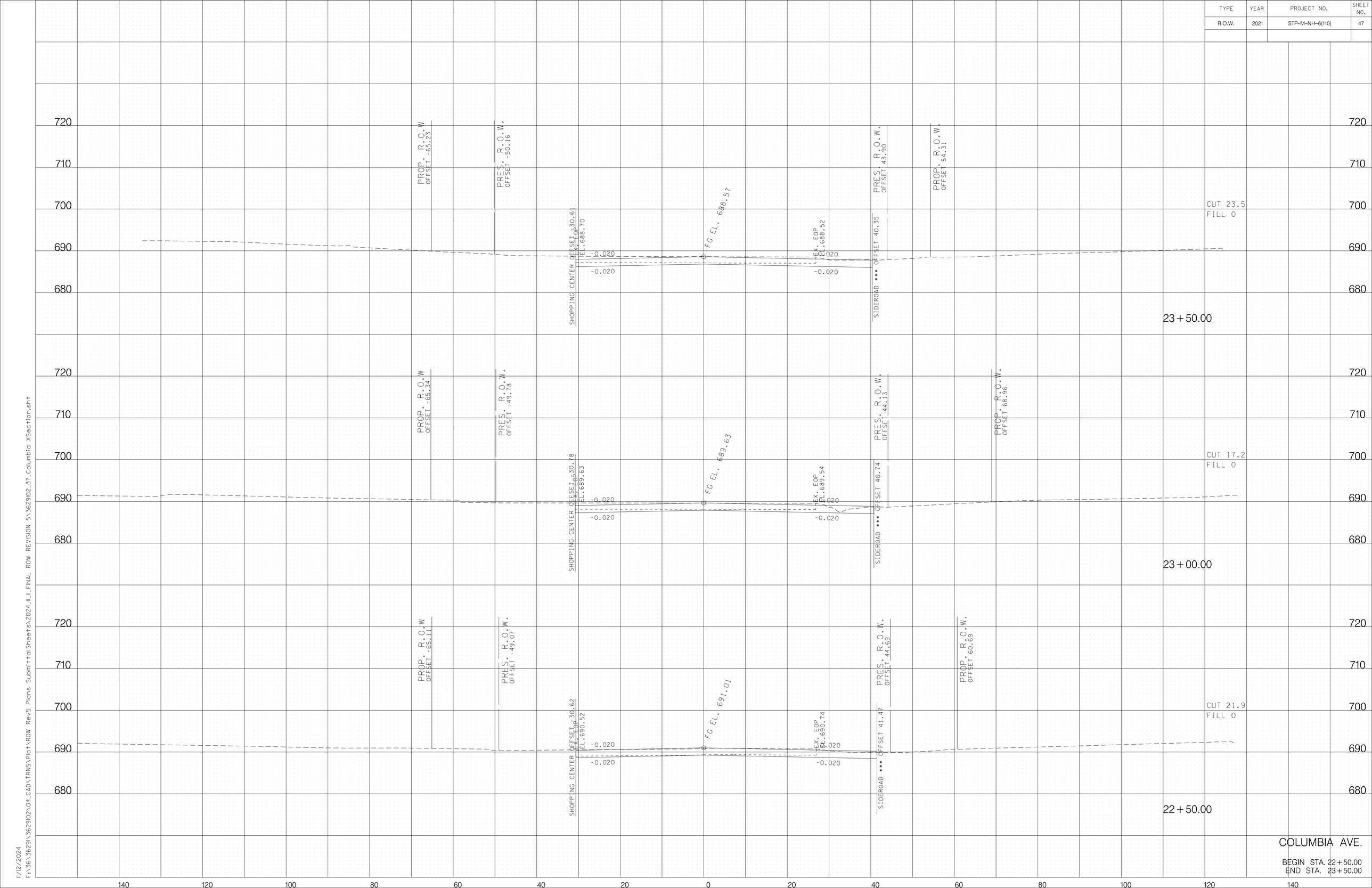


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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	47

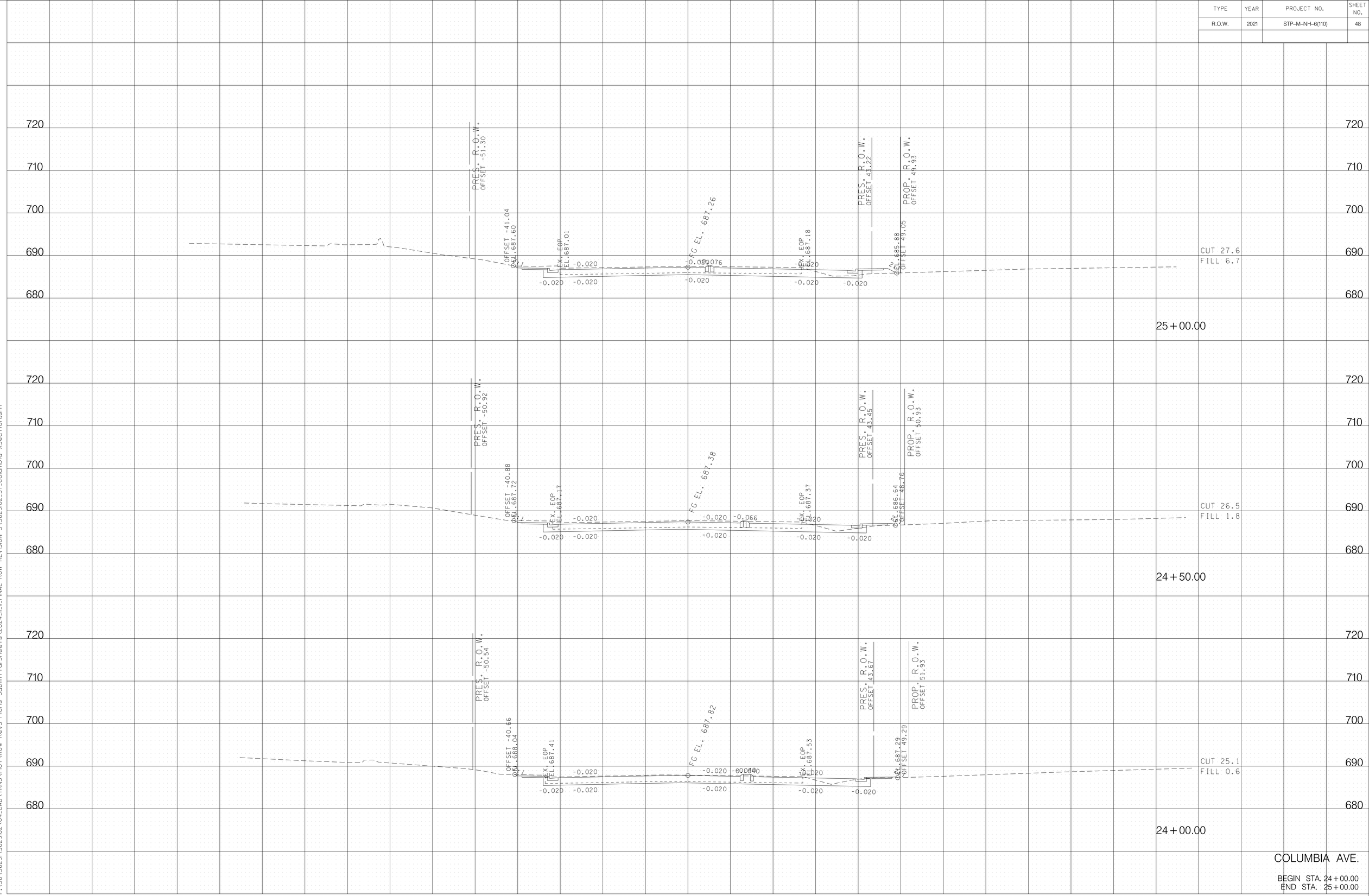


COLUMBIA AVE.

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	48

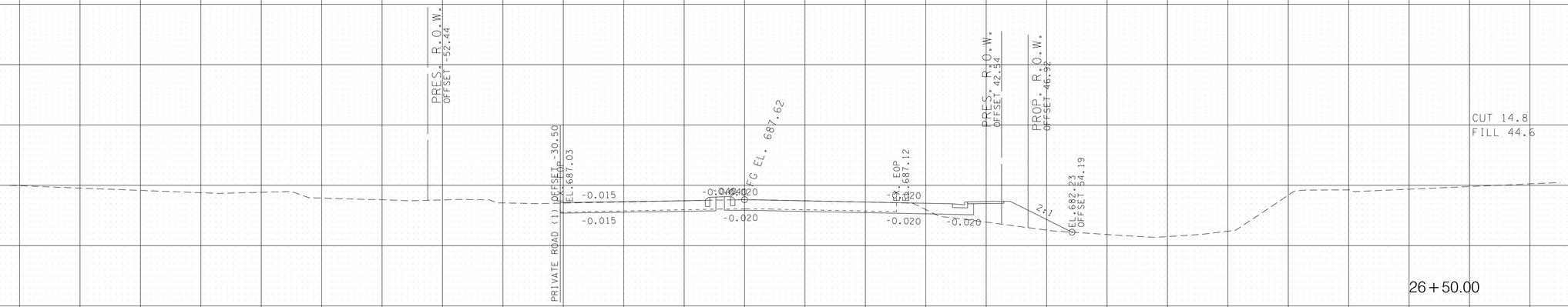


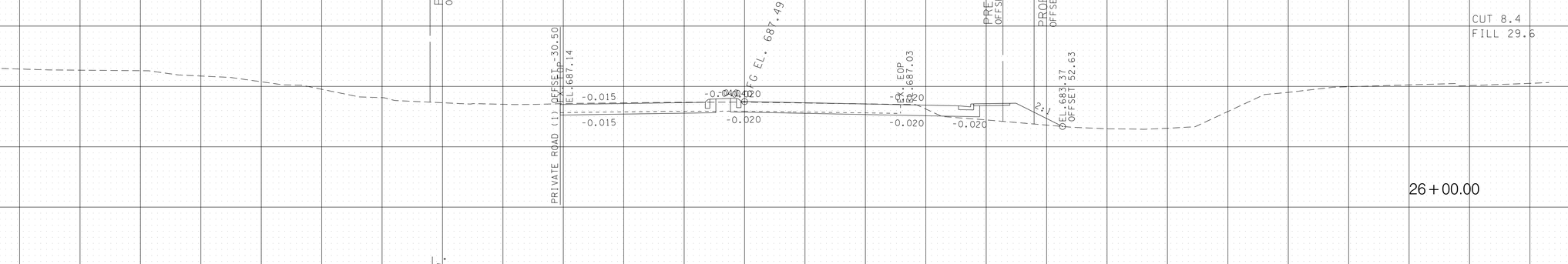
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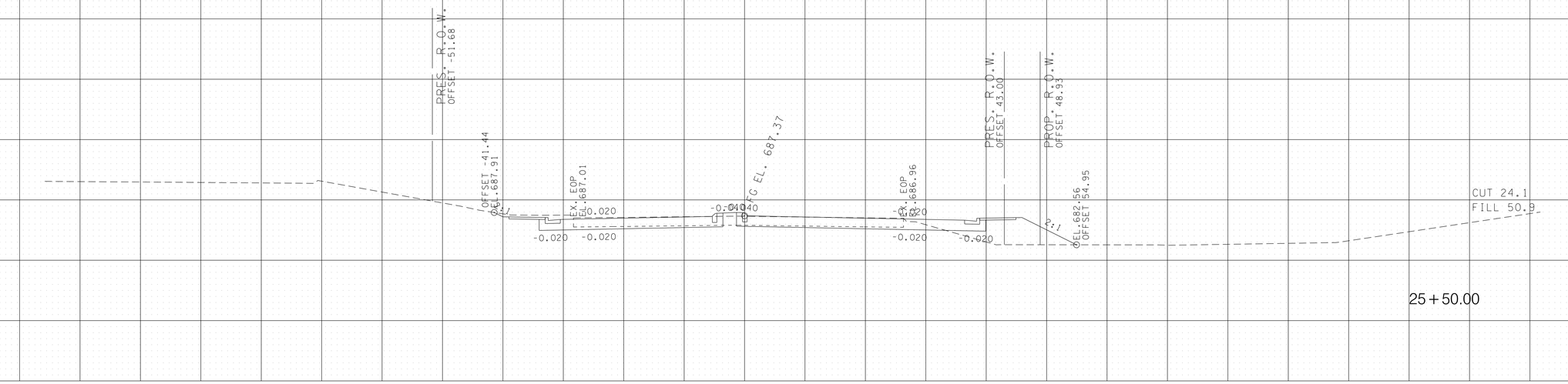
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	49





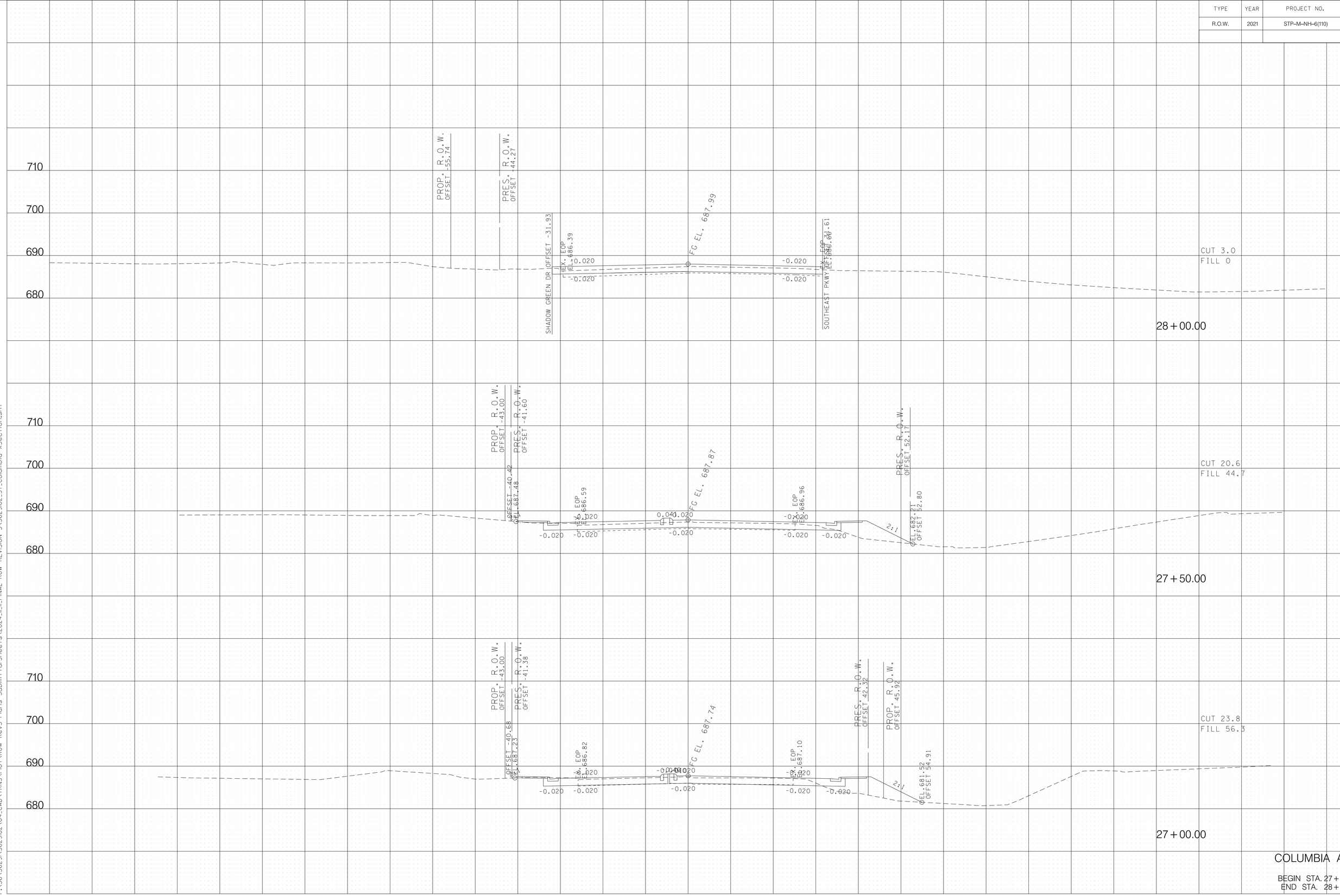


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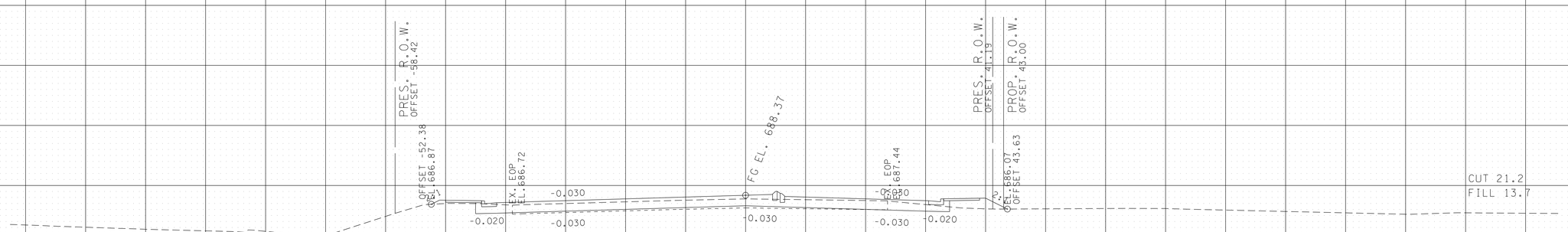
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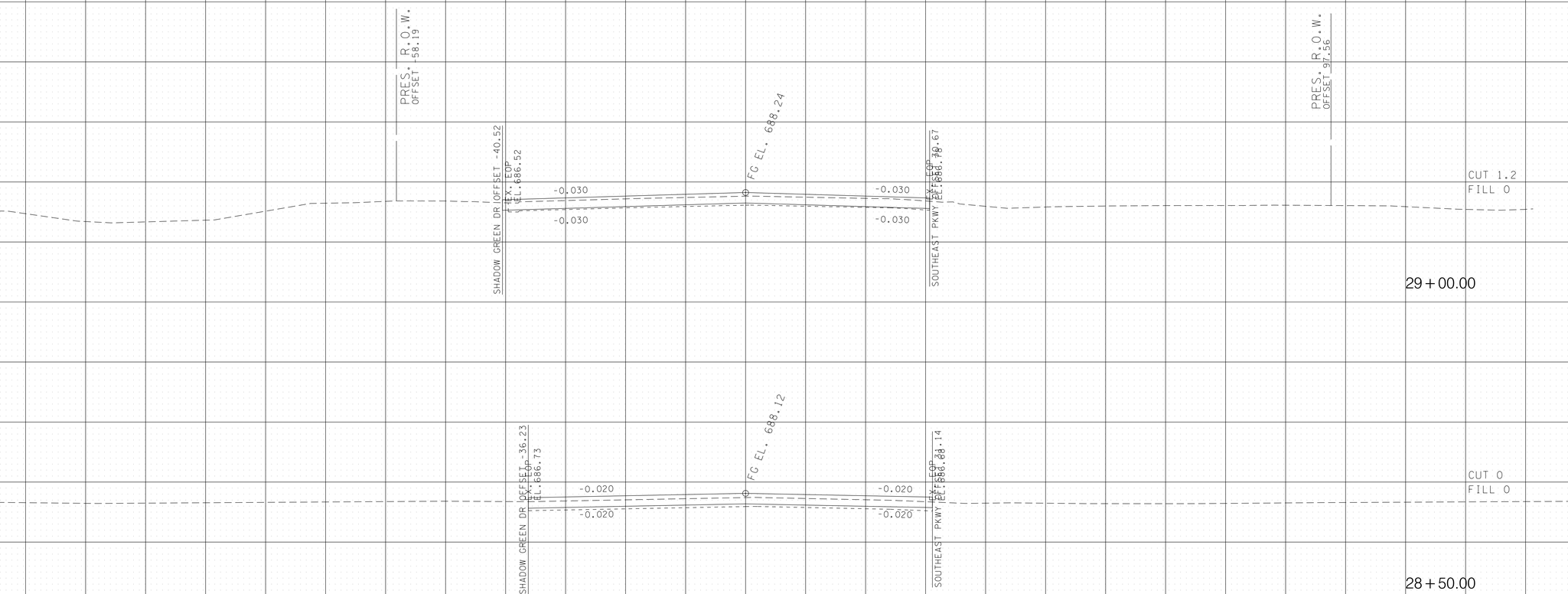
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R.O.W.	2021	STP-M-NH-6(110)	50



11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	51





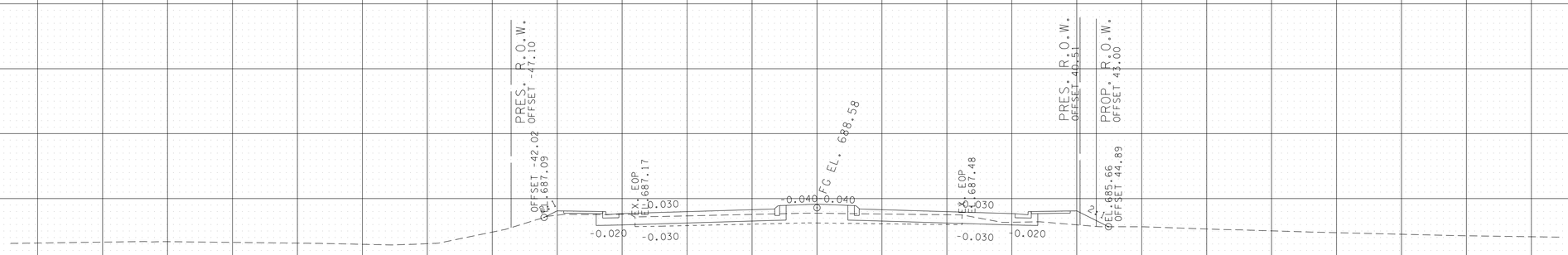
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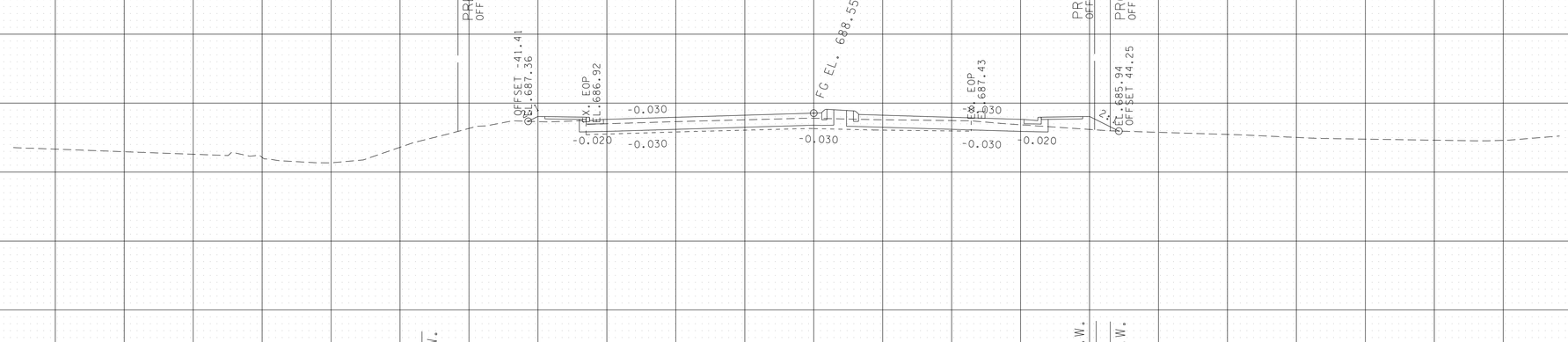
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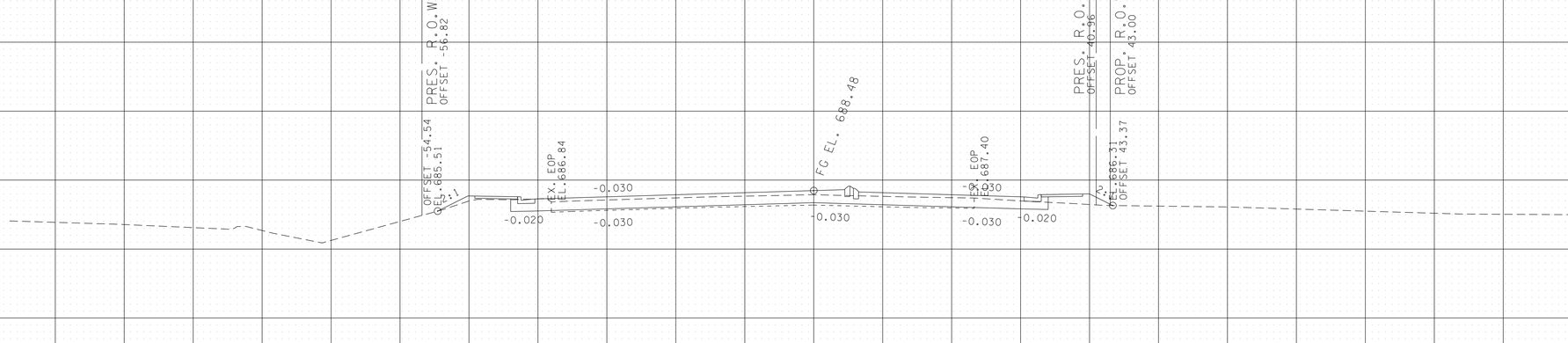
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	52





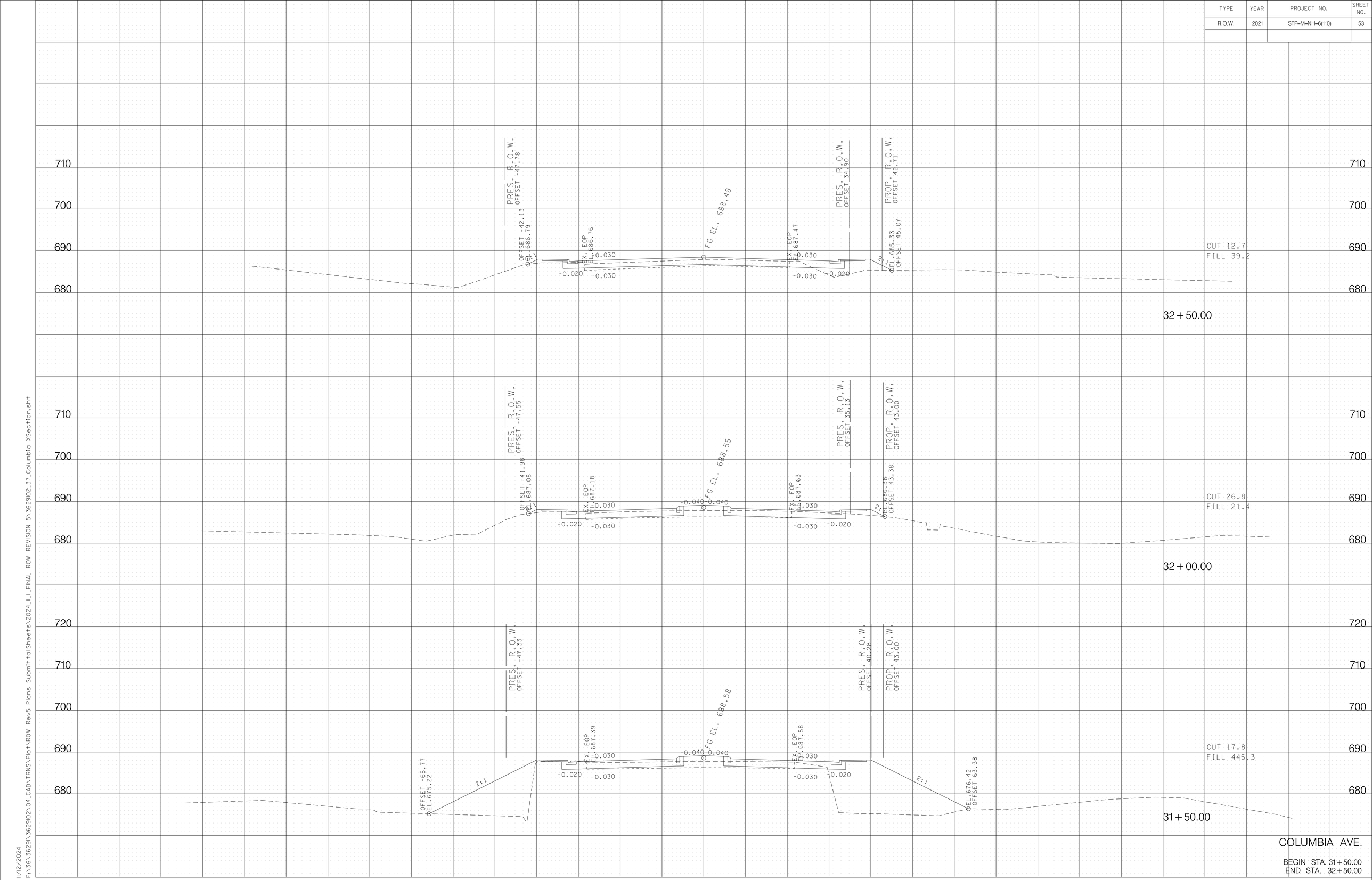


COLUMBIA AVE.

BEGIN STA. 30+00.00
END STA. 31+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	53

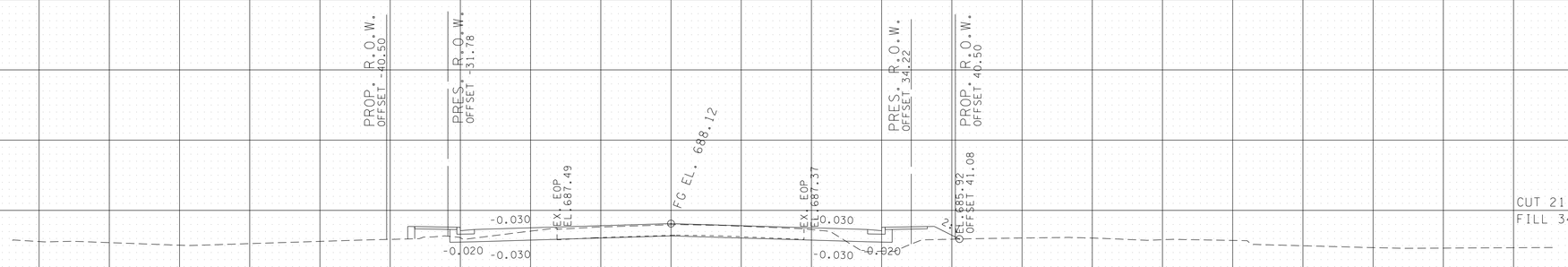


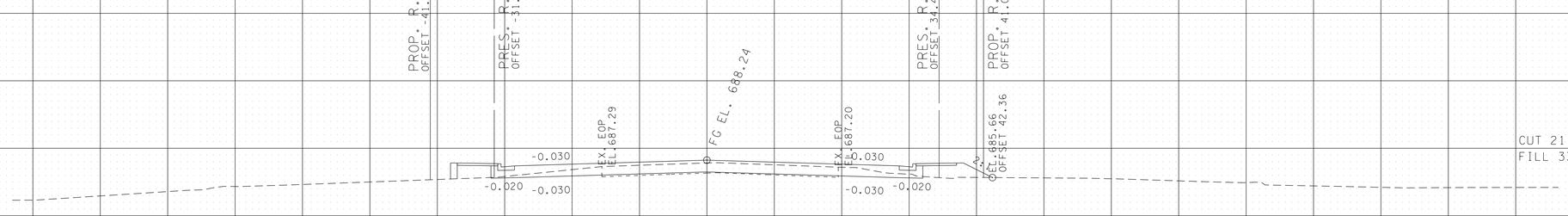
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BEGIN STA. 31+50.00
END STA. 32+50.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	54





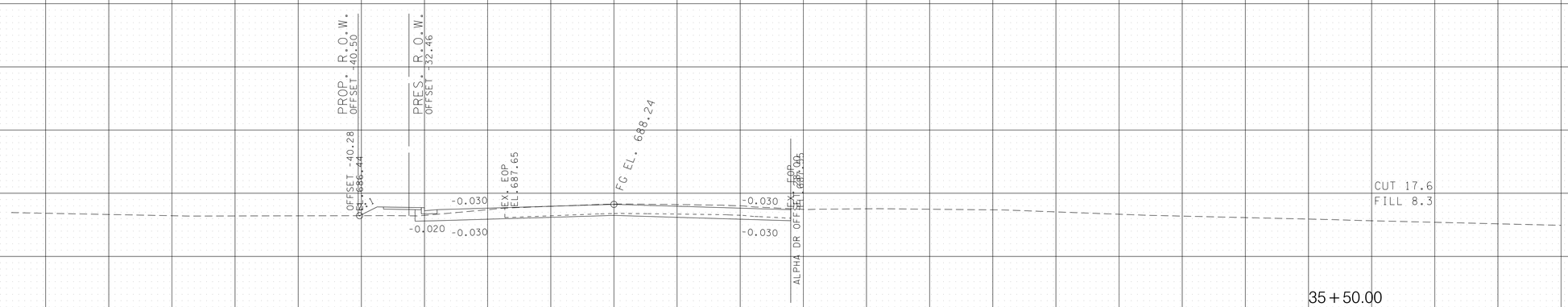
COLUMBIA AVE.

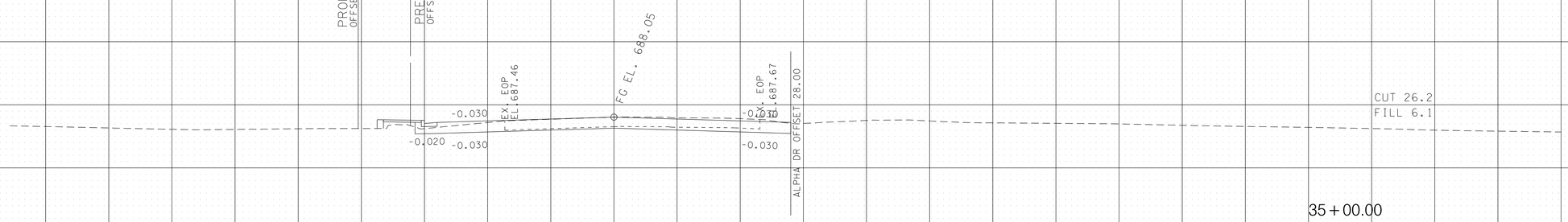
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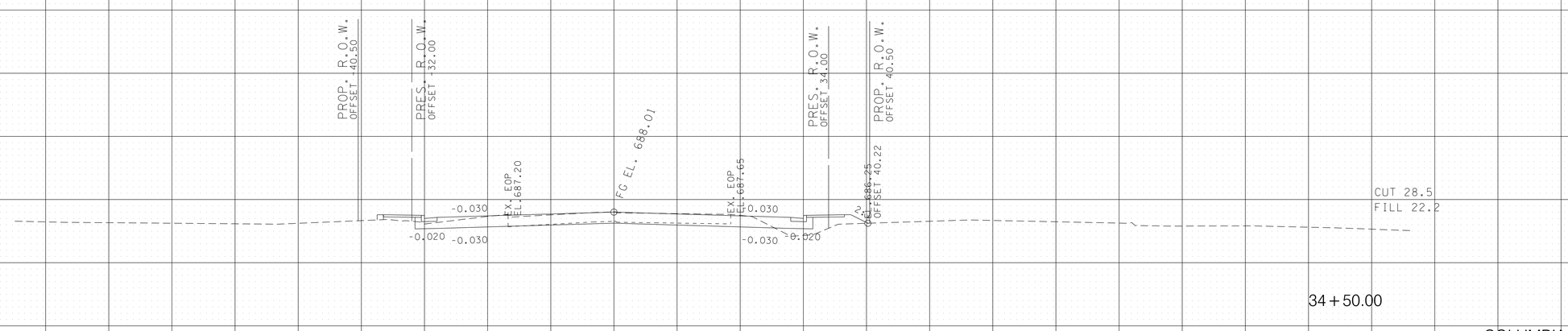
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	55





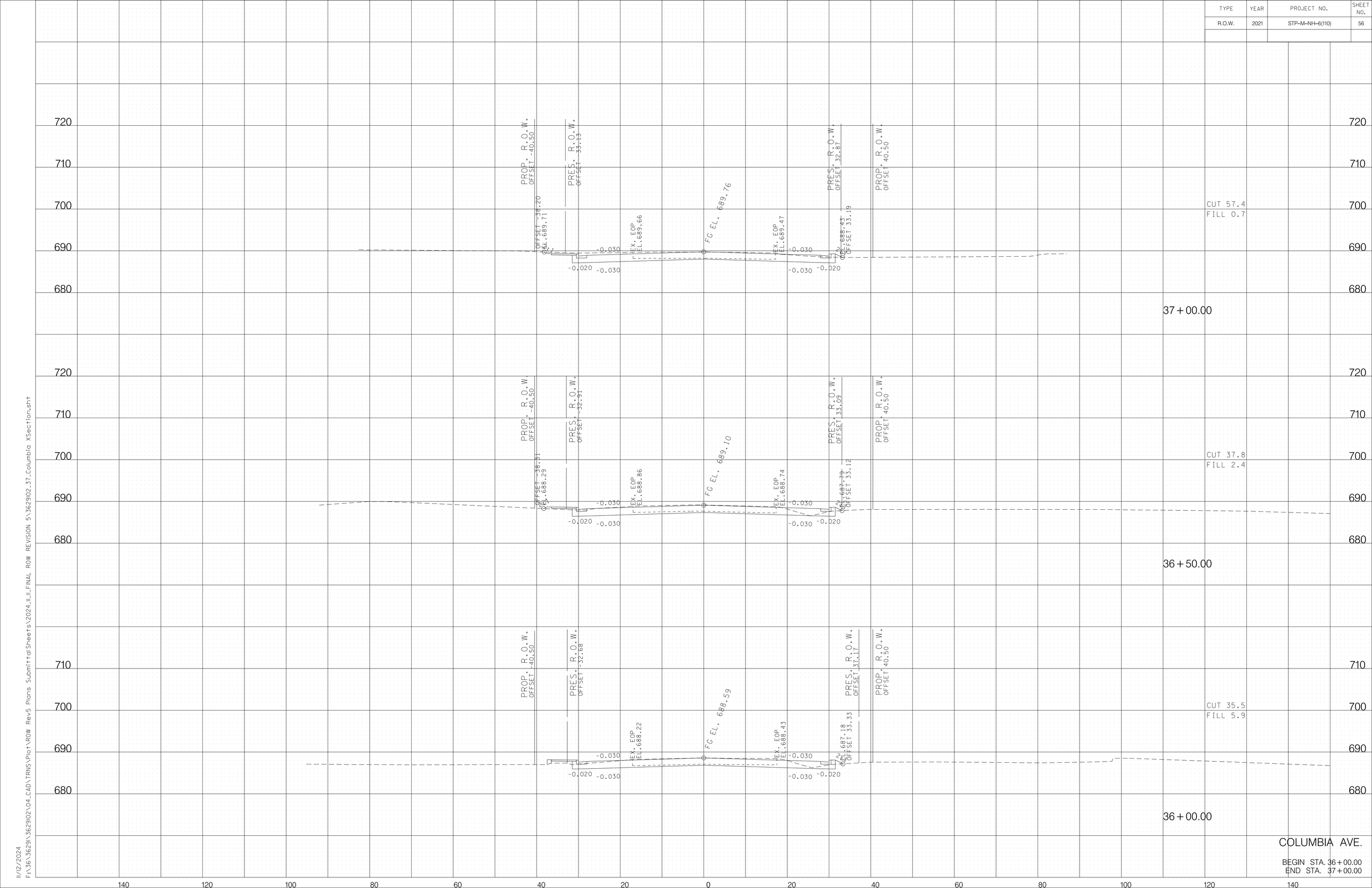


COLUMBIA AVE.

BEGIN STA. 34+50.00
END STA. 35+50.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	56

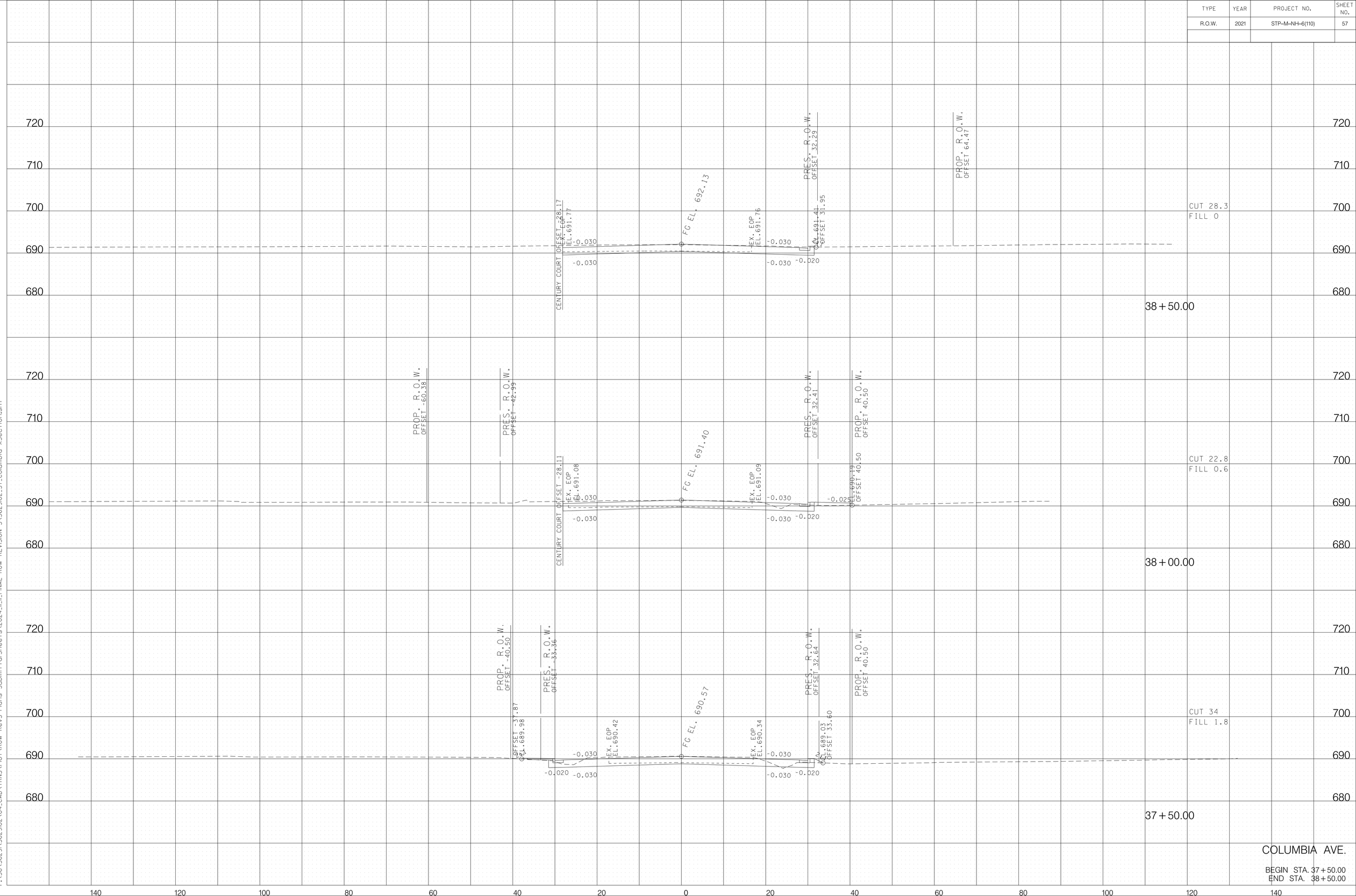


COLUMBIA AVE.

BEGIN STA. 36+00.00
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	57



COLUMBIA AVE.

BEGIN STA. 37+50.00
END STA. 38+50.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	58

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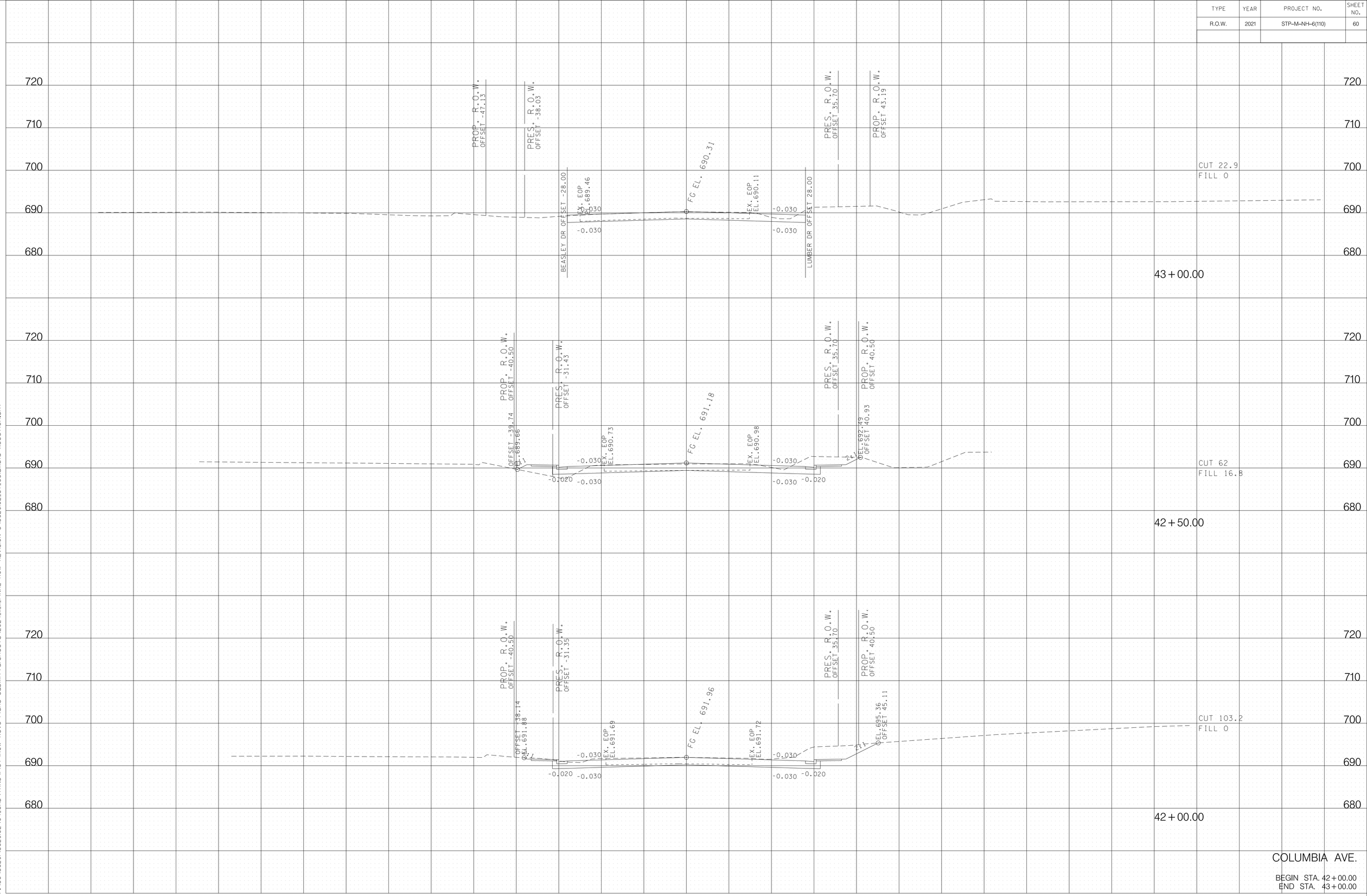
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	59

COLUMBIA AVE.

BEGIN STA. 40+50.00
END STA. 41+50.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	60

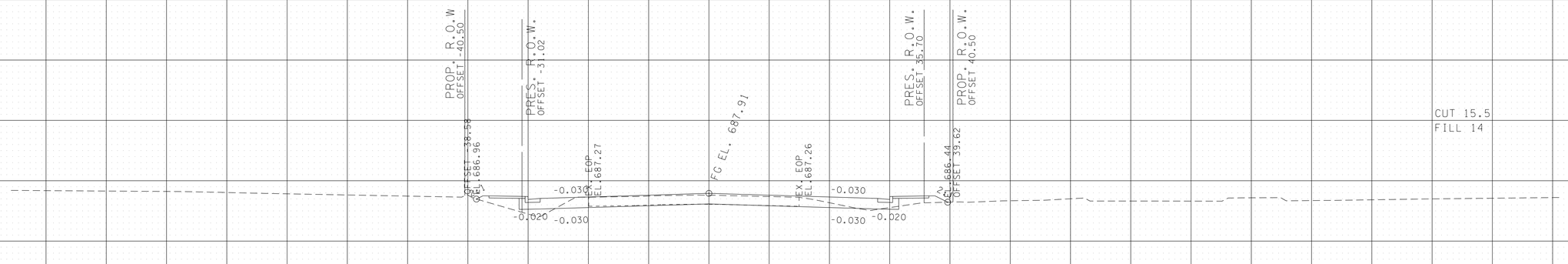


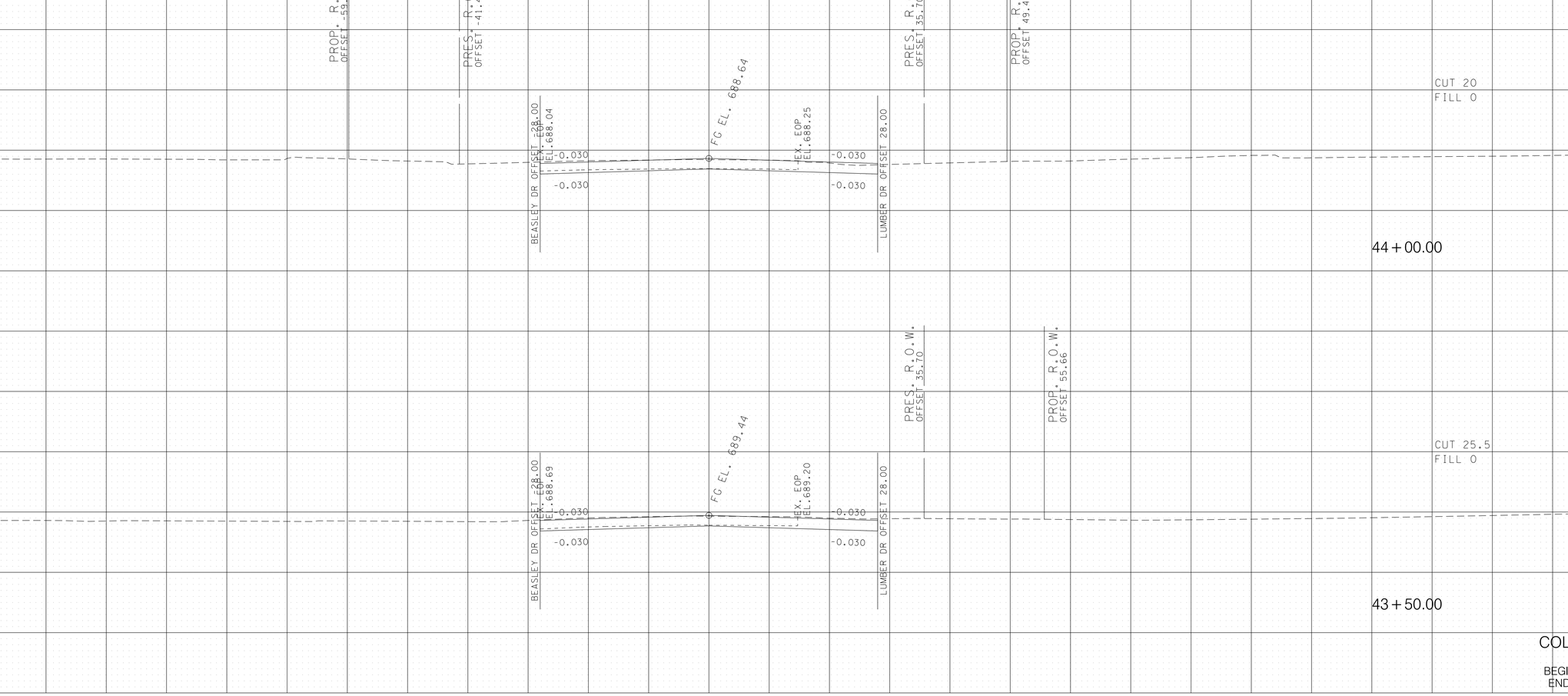
COLUMBIA AVE.

BEGIN STA. 42+00.00
END STA. 43+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	61



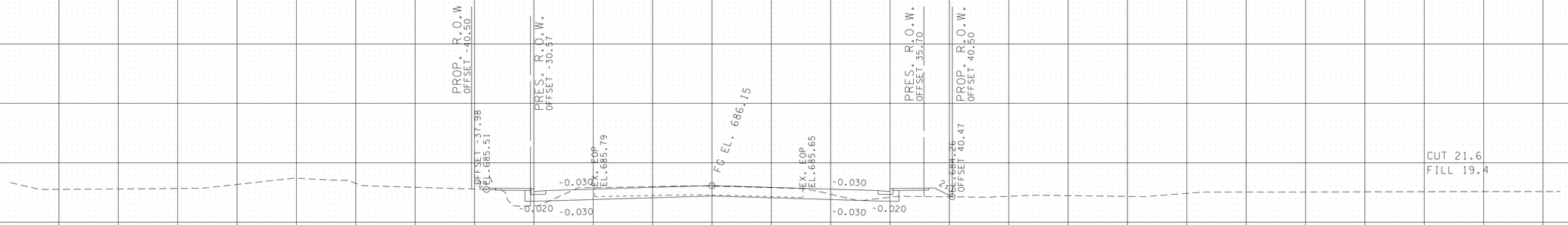


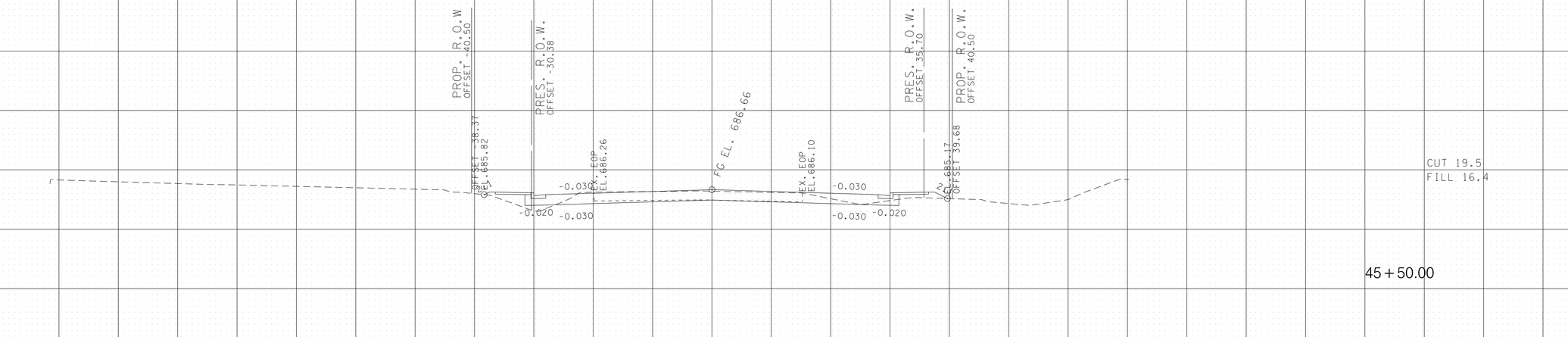
COLUMBIA AVE.

BEGIN STA. 43+50.00
END STA. 44+50.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	62







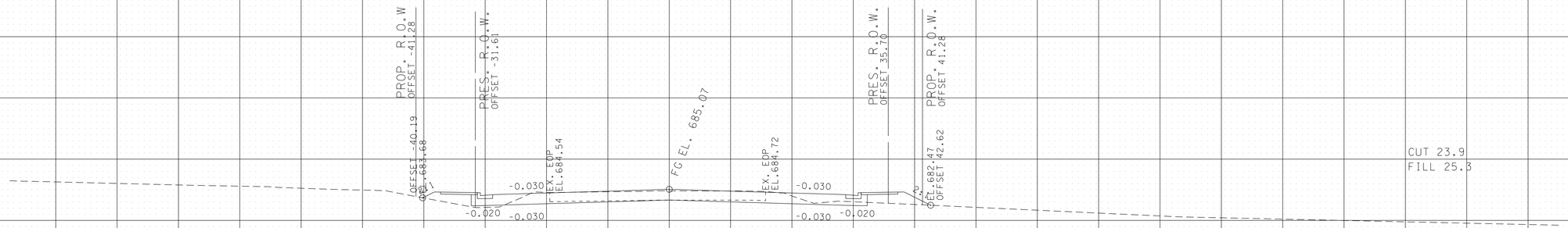
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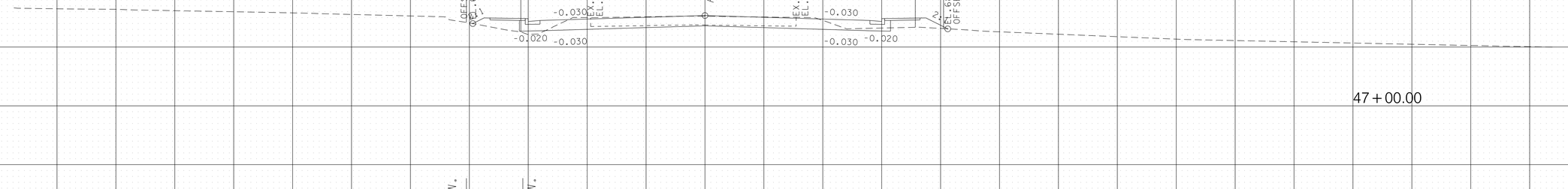
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END STA. 46+00.00

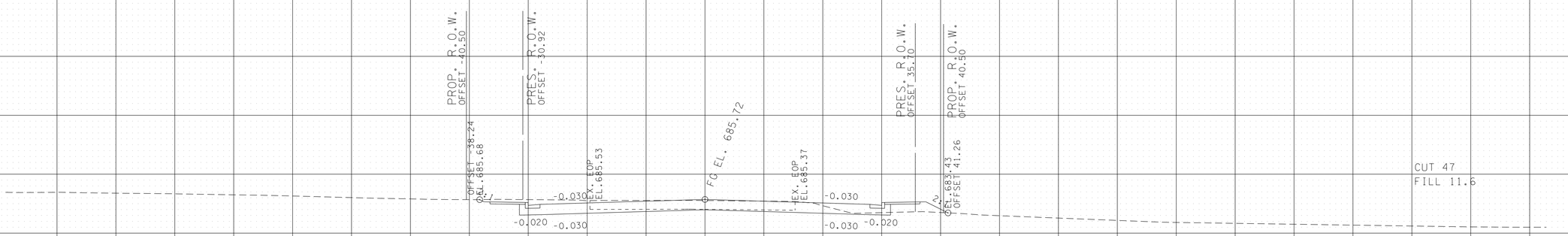
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	63





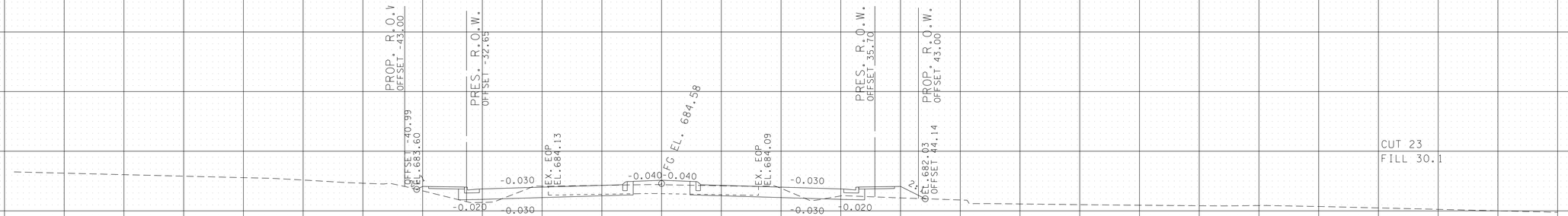


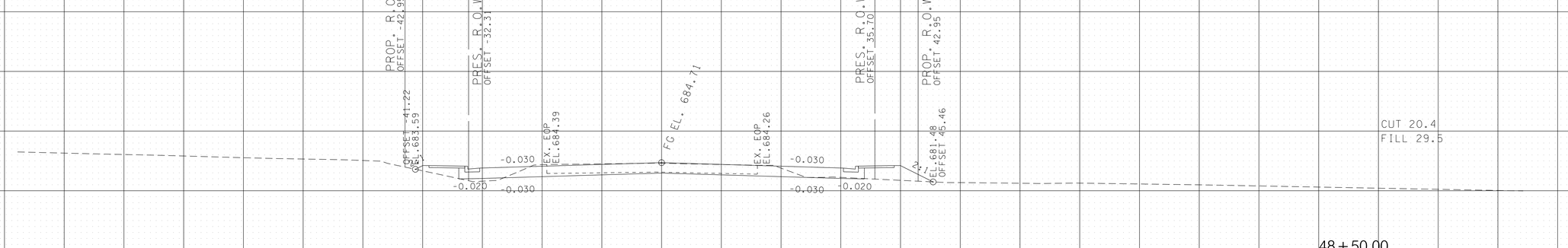
COLUMBIA AVE.

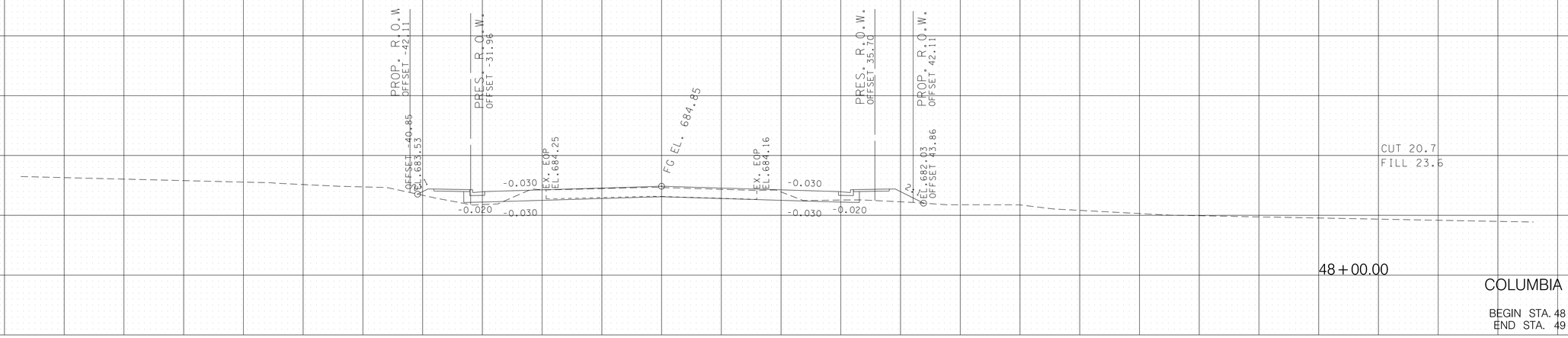
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END STA. 47+50.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	64







COLUMBIA AVE.

BEGIN STA. 48+00.00
END STA. 49+00.00

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

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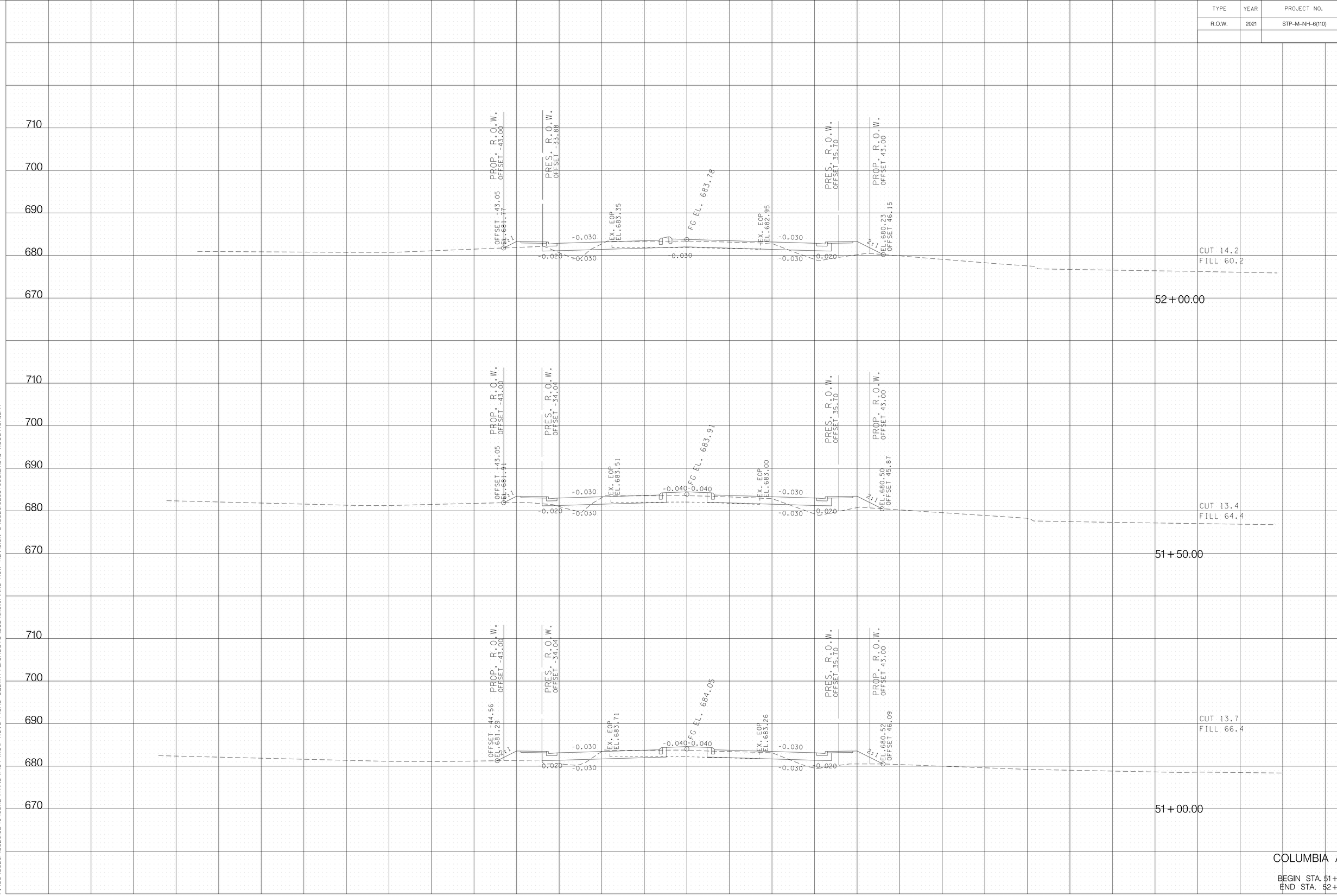
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	65

COLUMBIA AVE.

BEGIN STA. 49+50.00
END STA. 50+50.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	66

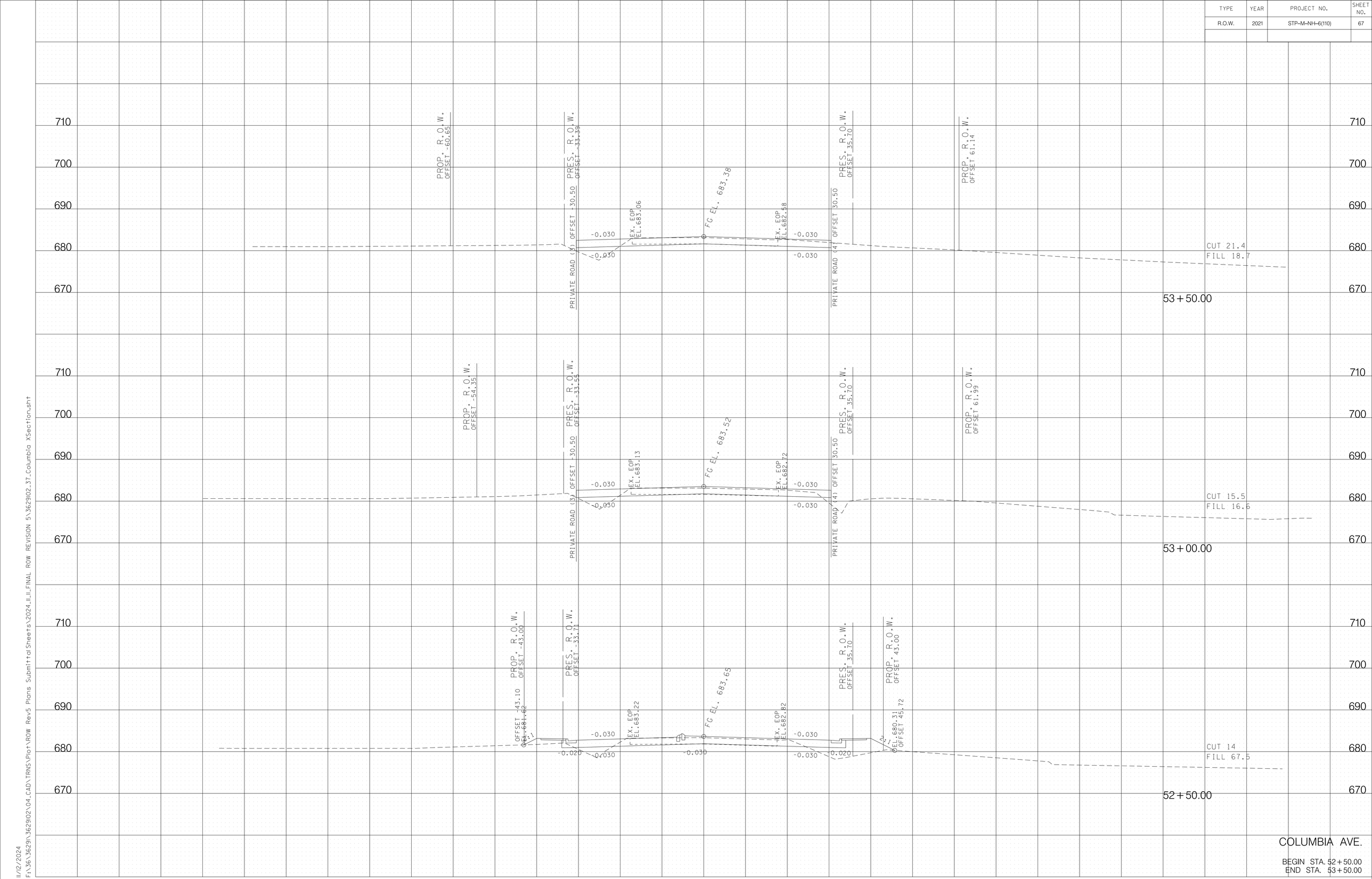


COLUMBIA AVE.

BEGIN STA. 51+00.00
END STA. 52+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	67

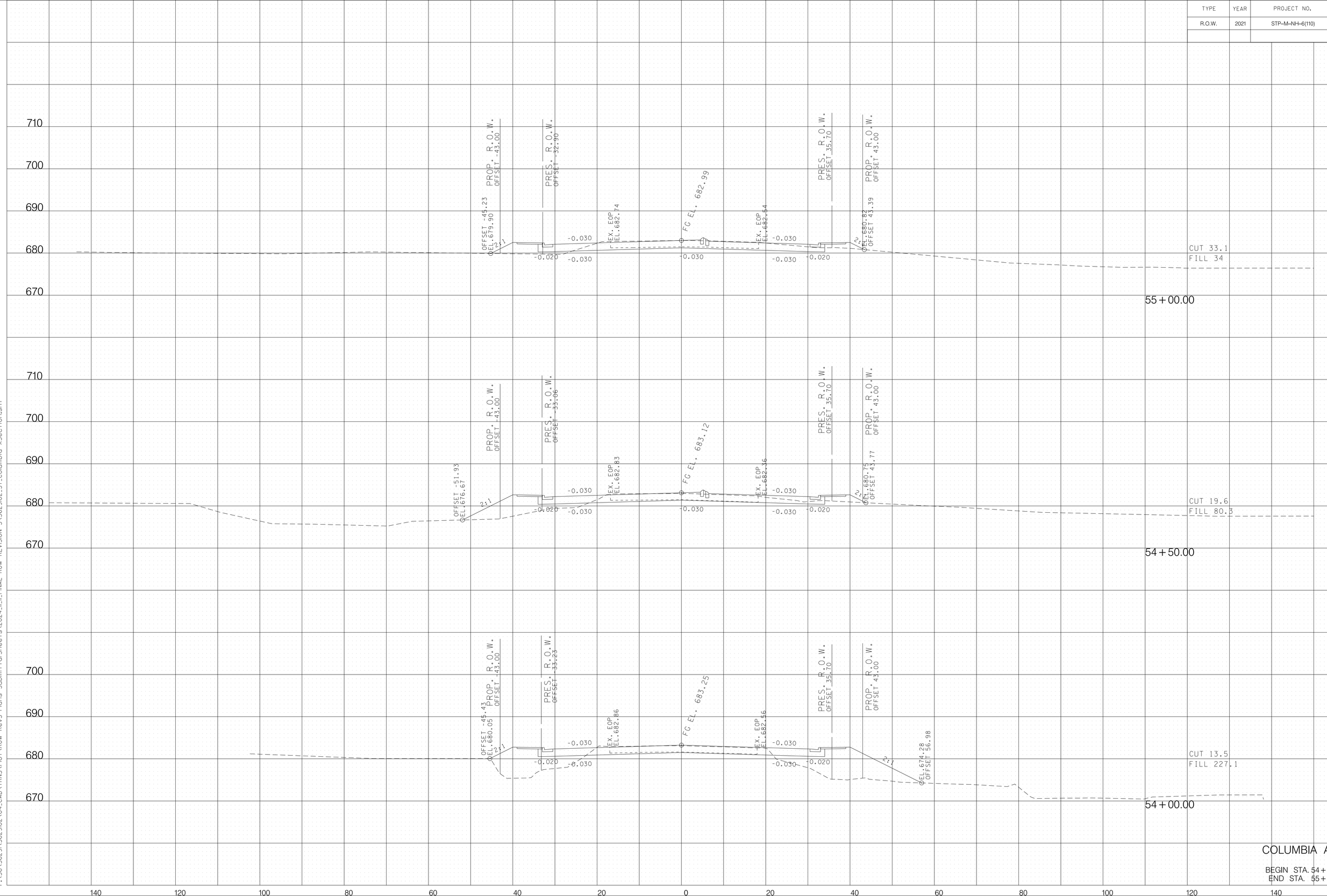


COLUMBIA AVE.

BEGIN STA. 52+50.00
END STA. 53+50.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	68



COLUMBIA AVE.

BEGIN STA. 54+00.00
END STA. 55+00.00

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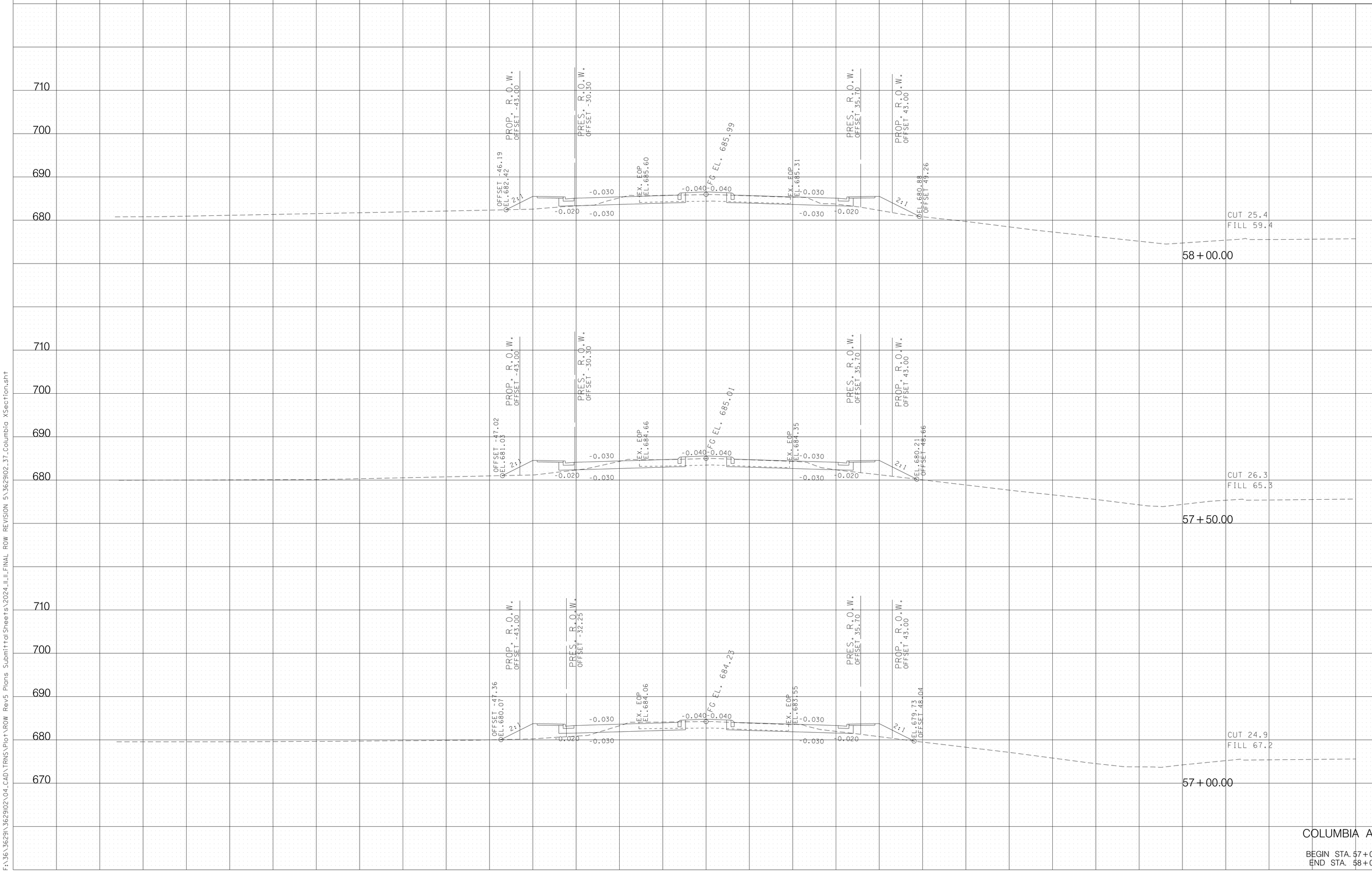
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	69

COLUMBIA AVE.

BEGIN STA. 55+50.00
END STA. 56+50.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	70

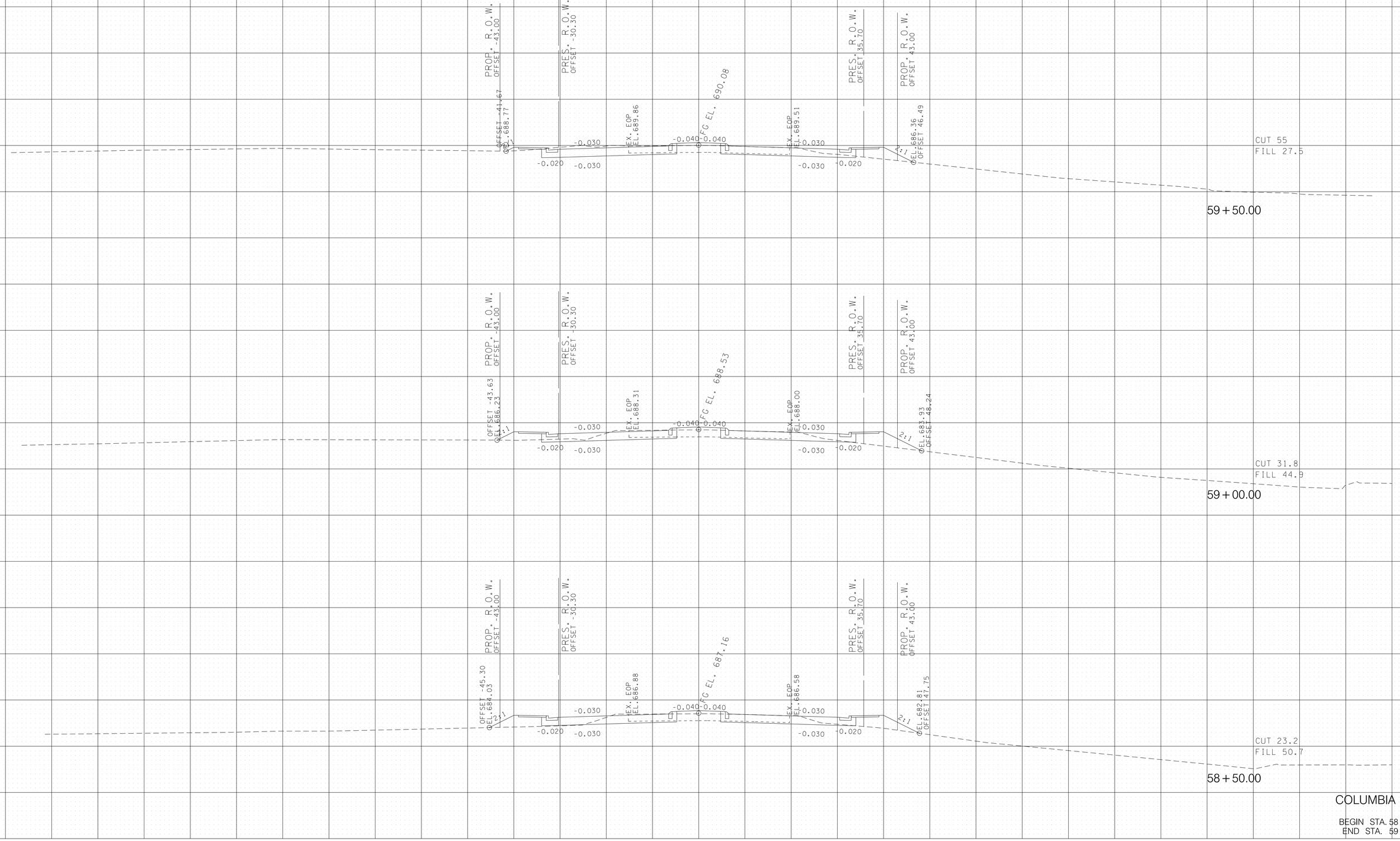


COLUMBIA AVE.

BEGIN STA. 57+00.00
END STA. 58+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	71



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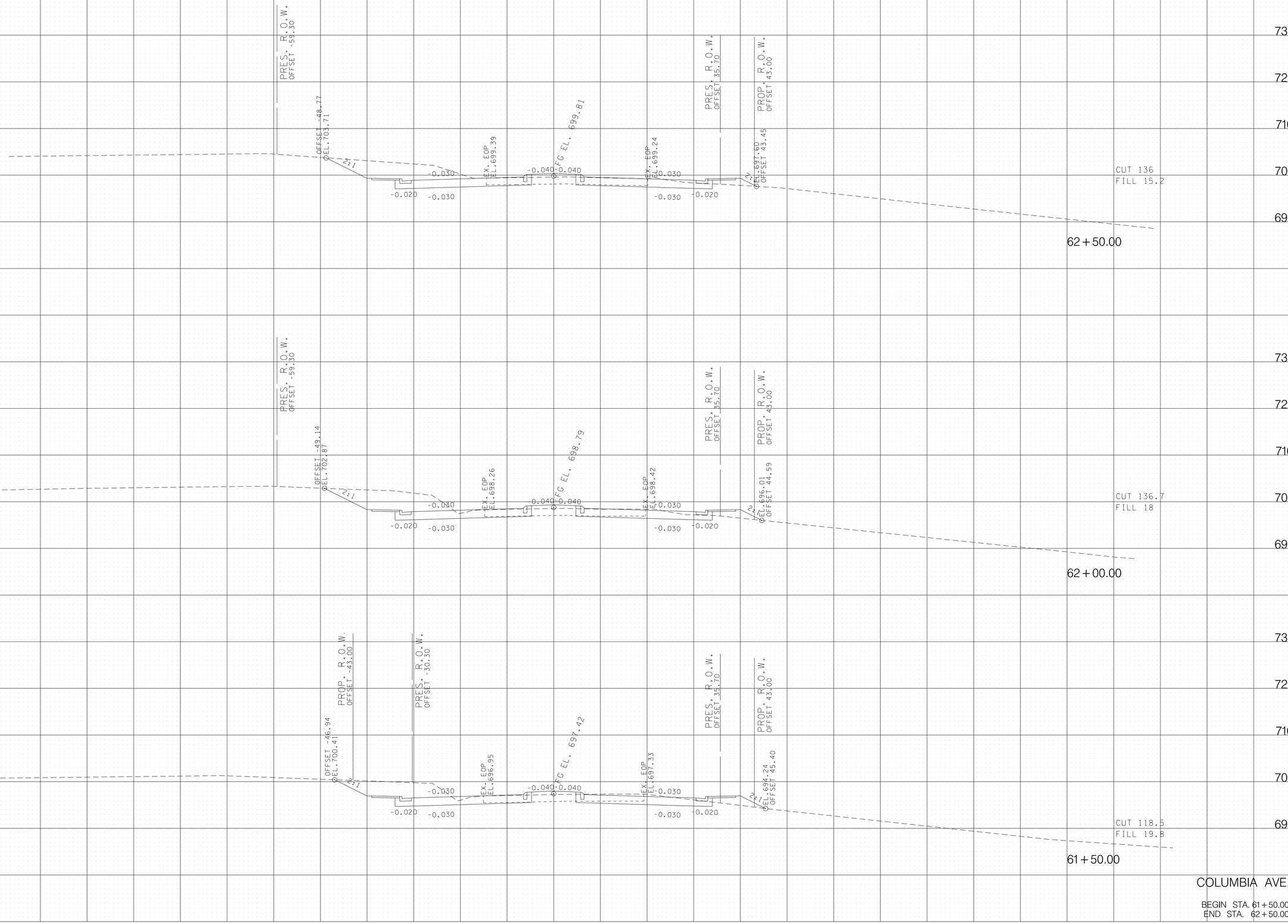
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	72

COLUMBIA AVE.

BEGIN STA. 60+00.00
END STA. 61+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	73

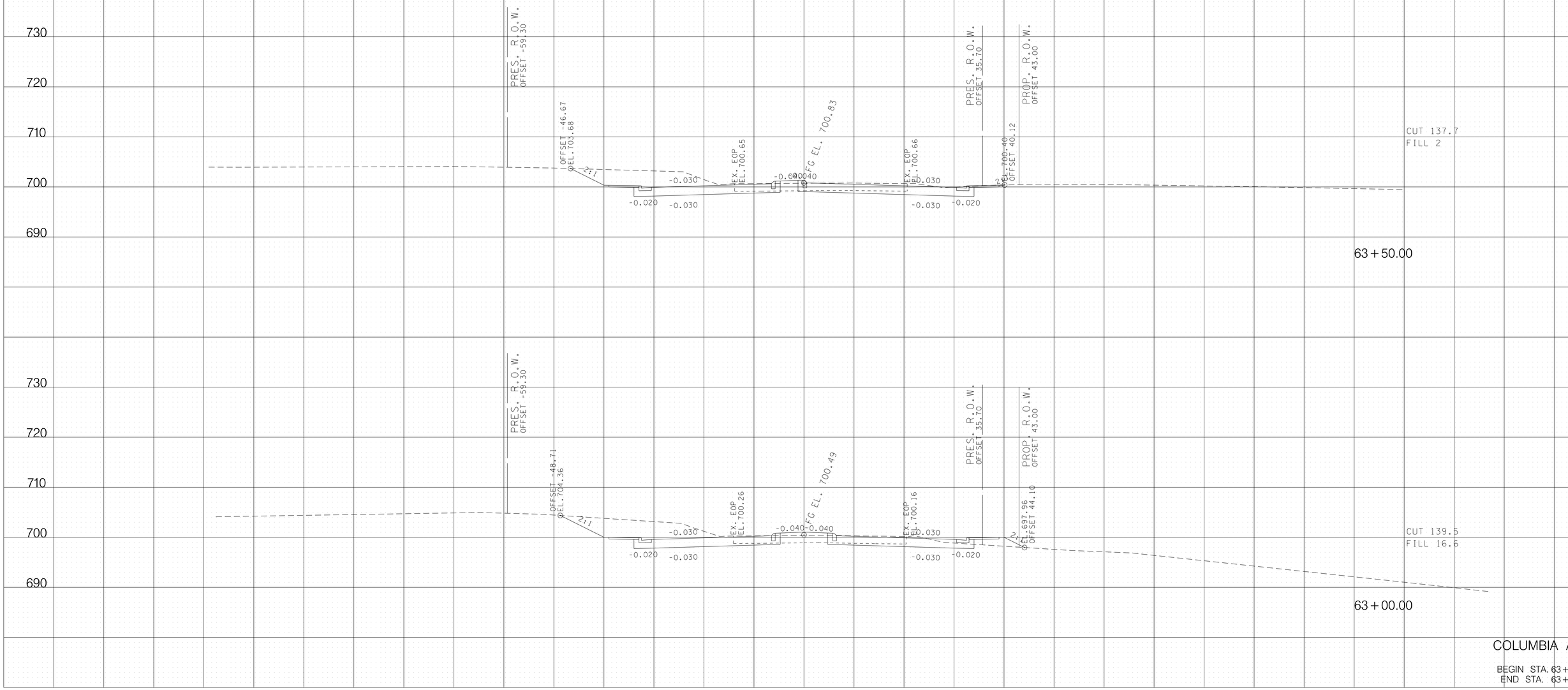


COLUMBIA AVE.

BEGIN STA. 61+50.00
END STA. 62+50.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	74

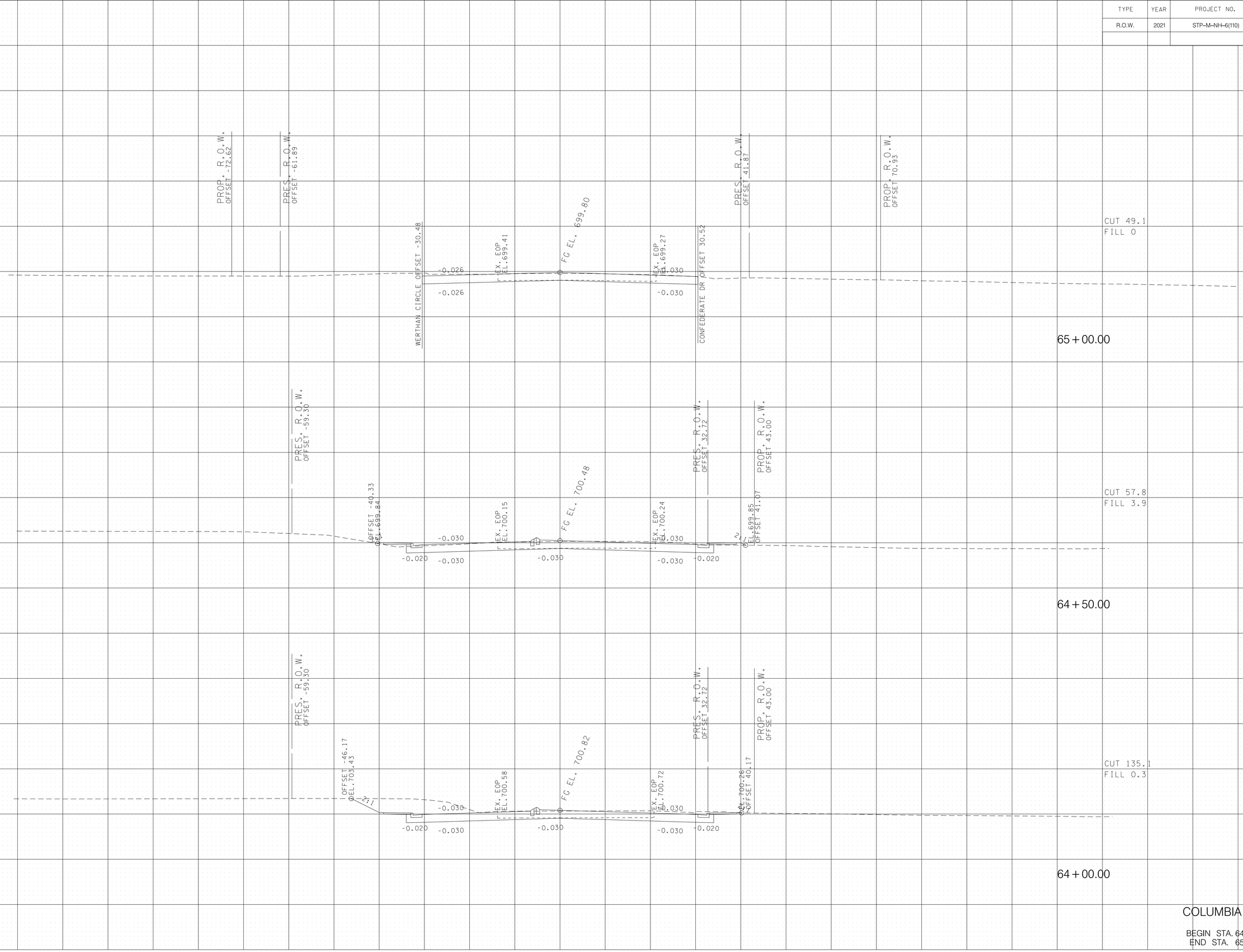


COLUMBIA AVE.

BEGIN STA. 63+00.00
END STA. 63+50.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	75

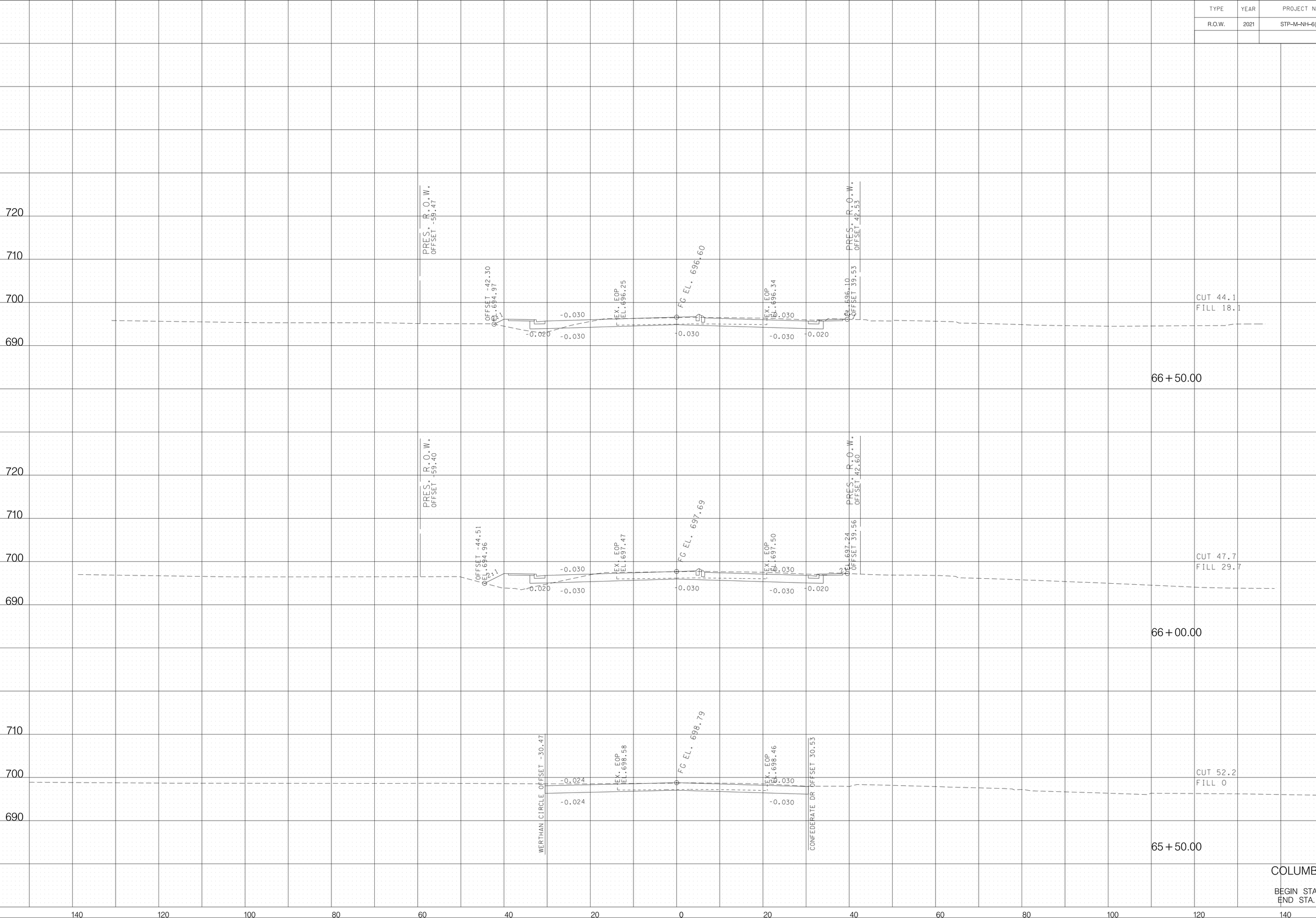


COLUMBIA AVE.

BEGIN STA. 64+00.00
END STA. 65+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	76

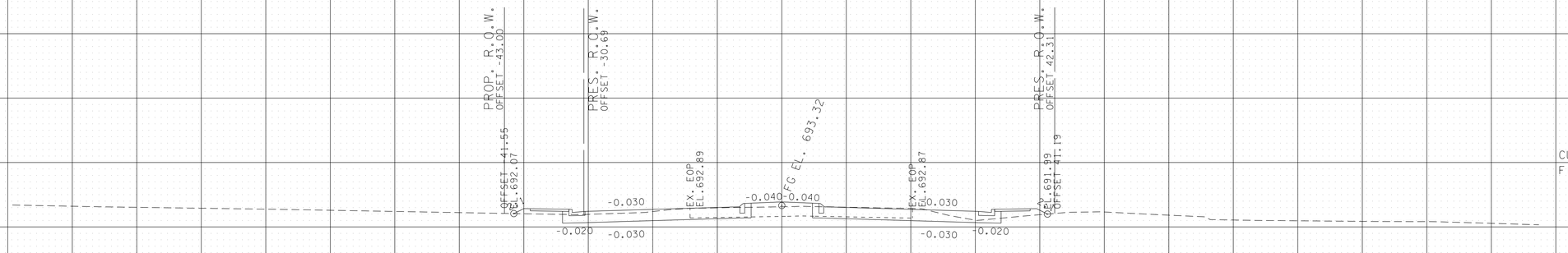


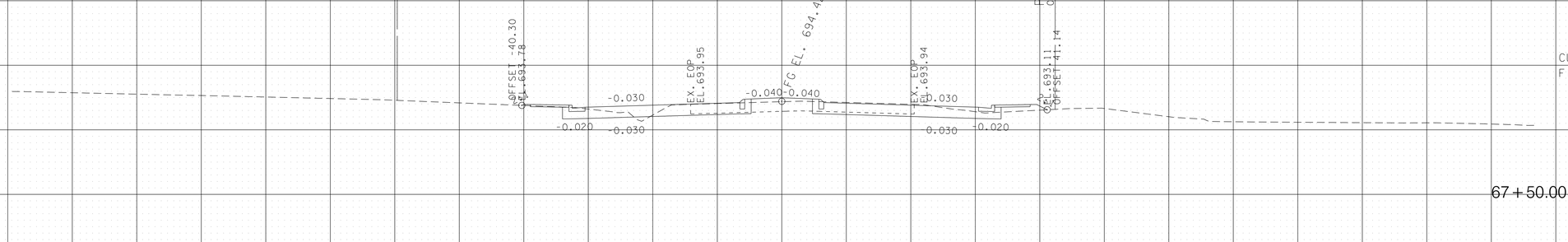
COLUMBIA AVE.

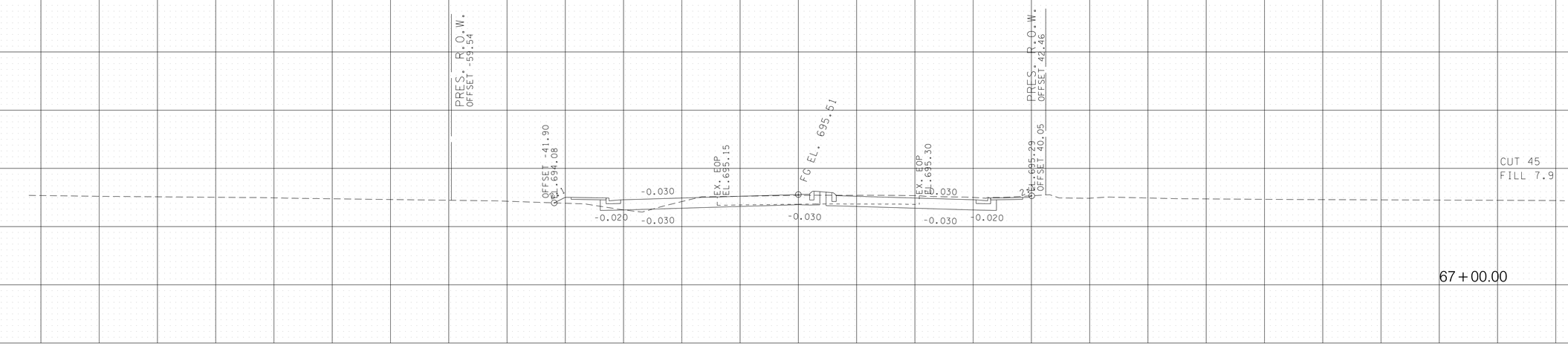
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	77







COLUMBIA AVE.

BEGIN STA. 67+00.00
END STA. 68+00.00

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F:\36\36291\36291102\04_CAD\TRNS\Plot\ROW Rev5 Plans Submittal Sheets\2024_IL_FINAL ROW REVISION 5\36291102_37_Columbia XSection.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	78

720
710
700
690
680

PROP. R.O.W.
OFFSET -77.00

PRES. R.O.W.
OFFSET -30.91

OFFSET -38.33
EL. 690.50

EX. EOP
EL. 690.55

FG EL. 690.57

EX. EOP
EL. 690.35

PRES. R.O.W.
OFFSET 35.14

PROP. R.O.W.
OFFSET 41.38

-0.030
-0.020
-0.030
-0.030
-0.030

CARR AVENUE OFFSET 28.14

CUT 55.2
FILL 0

69+50.00

720
710
700
690
680

PROP. R.O.W.
OFFSET -41.48

PRES. R.O.W.
OFFSET -30.83

OFFSET -40.48
EL. 691.26

EX. EOP
EL. 691.13

FG EL. 691.32

EX. EOP
EL. 691.22

-0.030
-0.020
-0.030
-0.030
-0.030

CARR AVENUE OFFSET 28.38

CUT 59.7
FILL 0

69+00.00

720
710
700
690
680

PROP. R.O.W.
OFFSET -42.31

PRES. R.O.W.
OFFSET -30.76

OFFSET -41.31
EL. 691.69

EX. EOP
EL. 692.00

FG EL. 692.25

EX. EOP
EL. 691.98

OFFSET 691.14
OFFSET 40.10

PRES. R.O.W.
OFFSET 43.26

-0.030
-0.020
-0.030
-0.030
-0.020

CUT 52.4
FILL 4.7

68+50.00

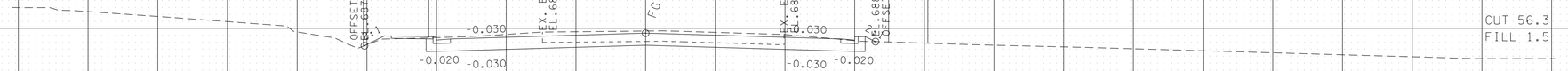
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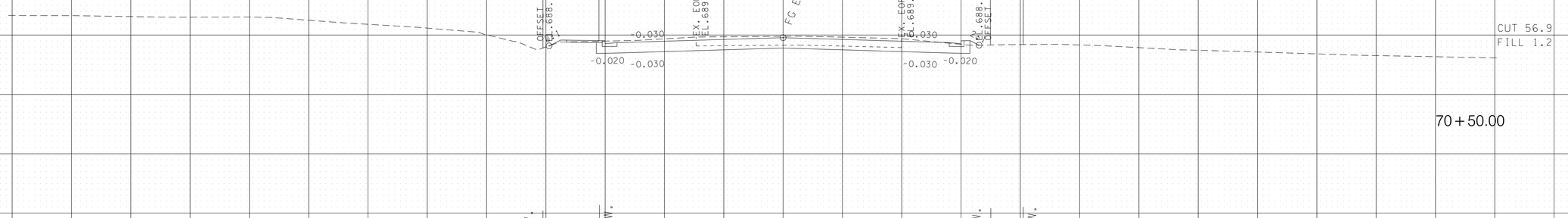
COLUMBIA AVE.

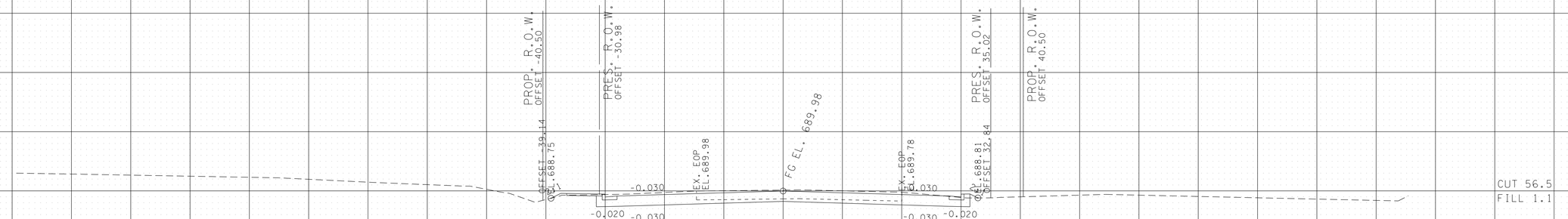
BEGIN STA. 68+50.00
END STA. 69+50.00

11/12/2024
F:\36\362901\362902\04_CAD\TRNS\Plot\ROW Rev5 Plans Submittal Sheets\2024_11_11_FINAL ROW REVISION 5\362902_37_Columbia XSection.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	79





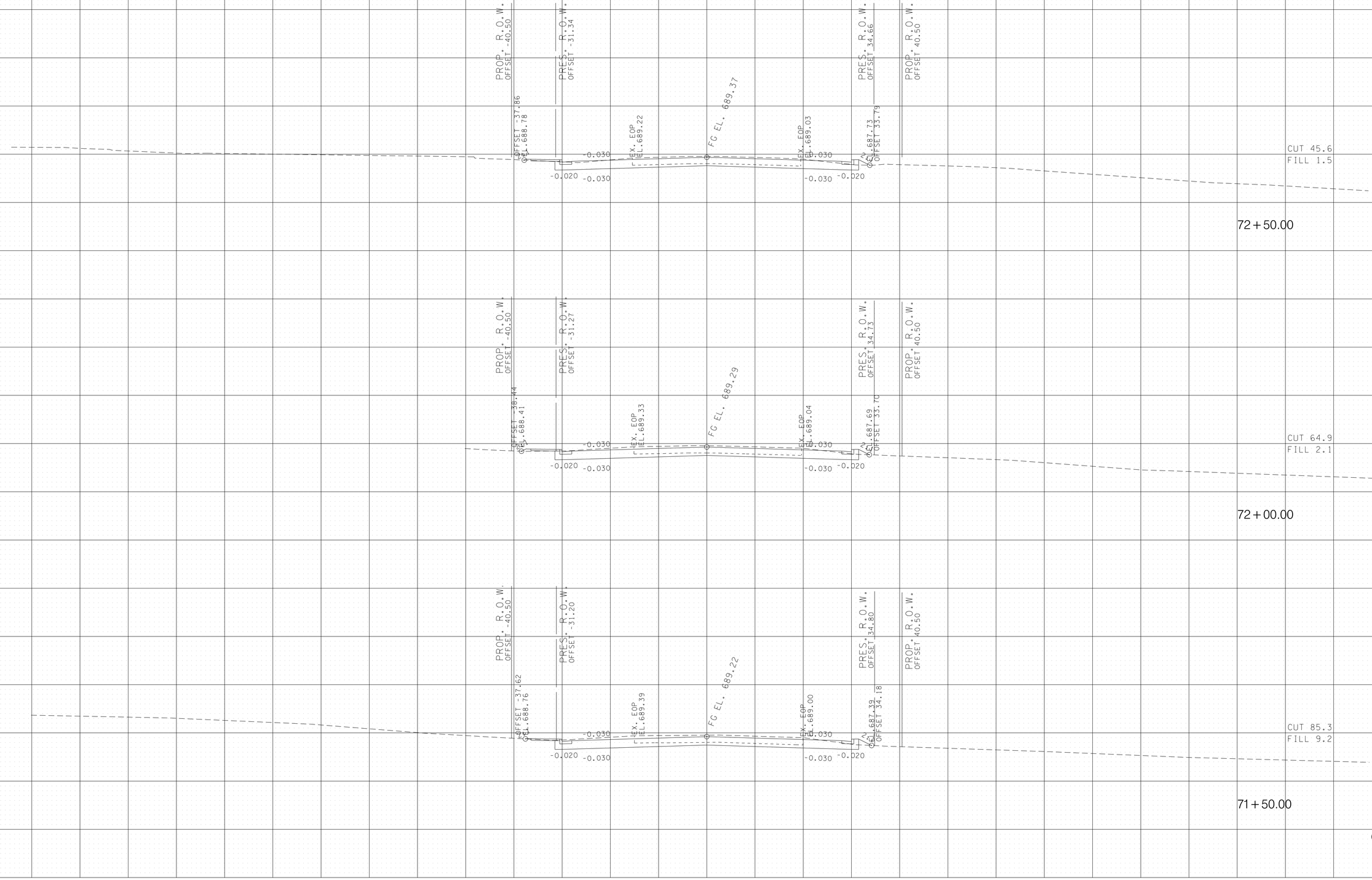


COLUMBIA AVE.

BEGIN STA. 70+00.00
END STA. 71+00.00

11/12/2024
F:\36\3629\3629102\04_CAD\TRNS\Plot\ROW Rev5 Plans Submittal Sheets\2024_11_FINAL ROW REVISION 5\3629102_37_Columbia XSection.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	80

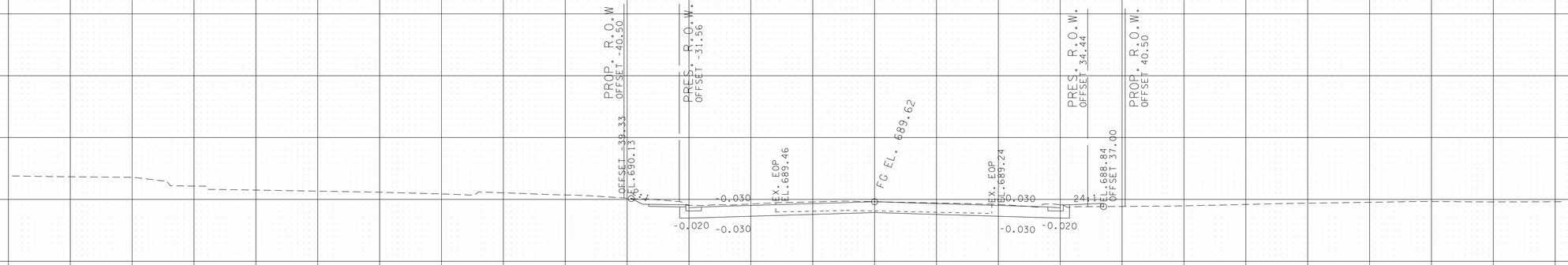


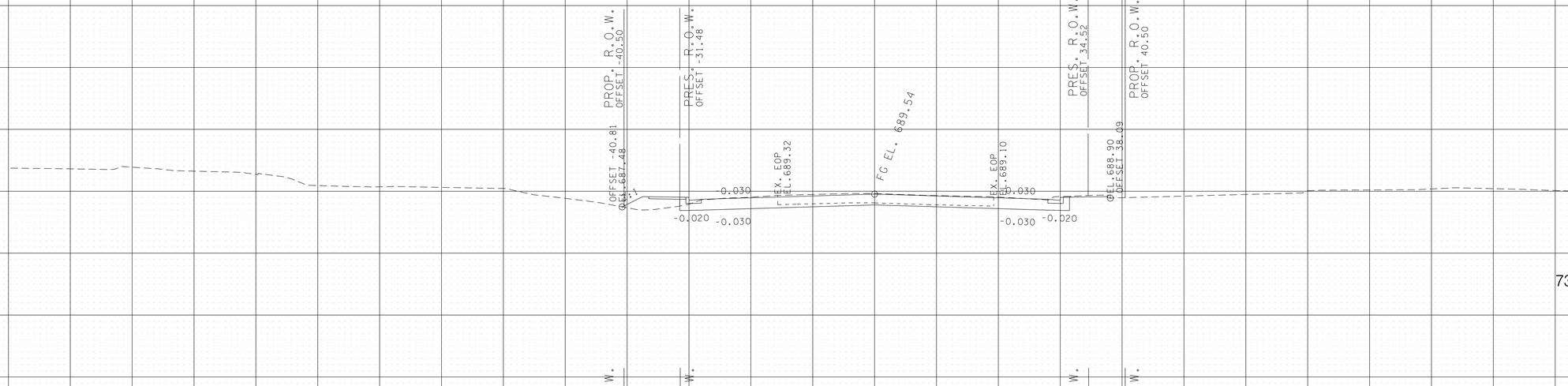
COLUMBIA AVE.

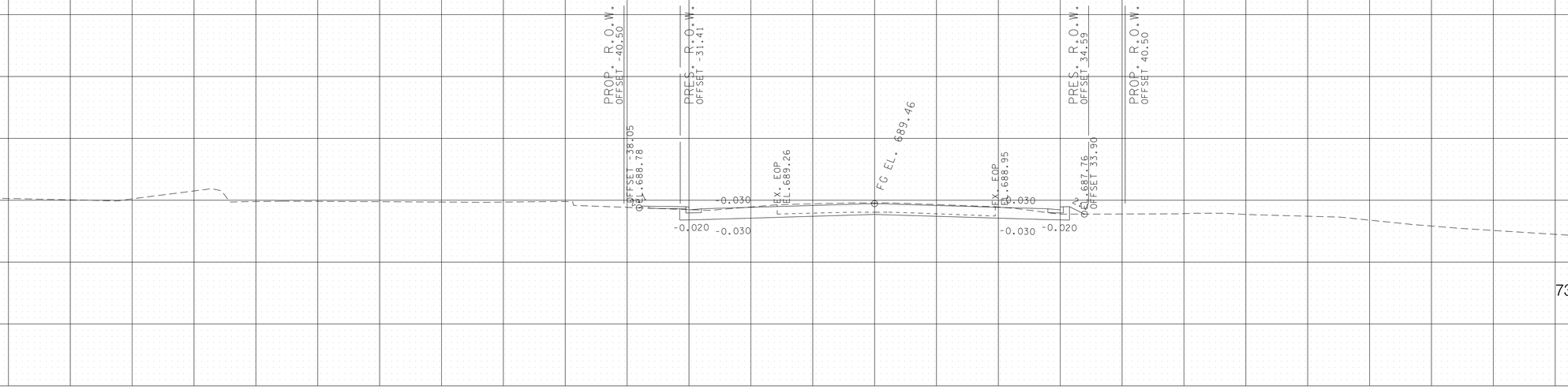
BEGIN STA. 71+50.00
END STA. 72+50.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	81





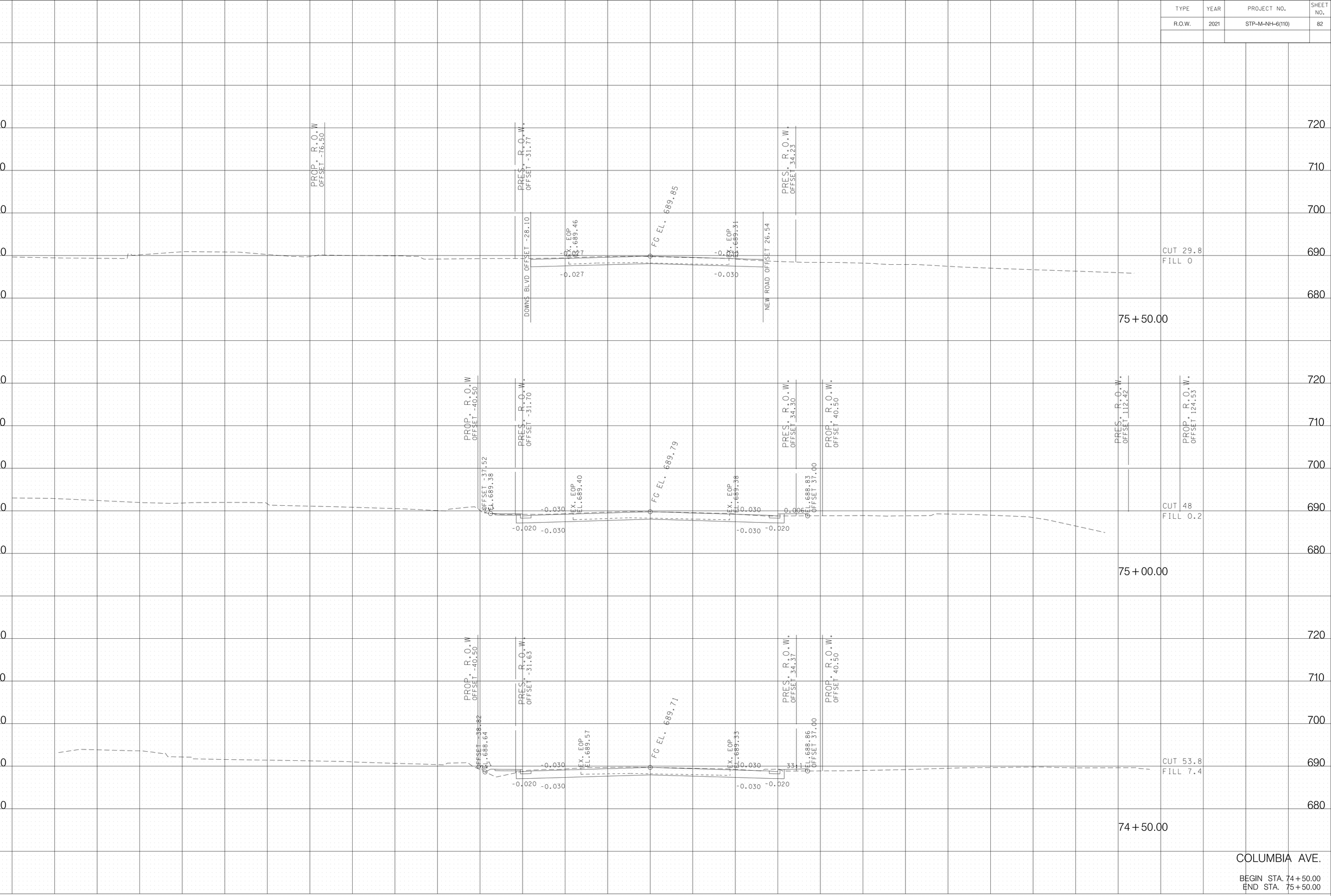


COLUMBIA AVE.

BEGIN STA. 73 + 00.00
END STA. 74 + 00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	82

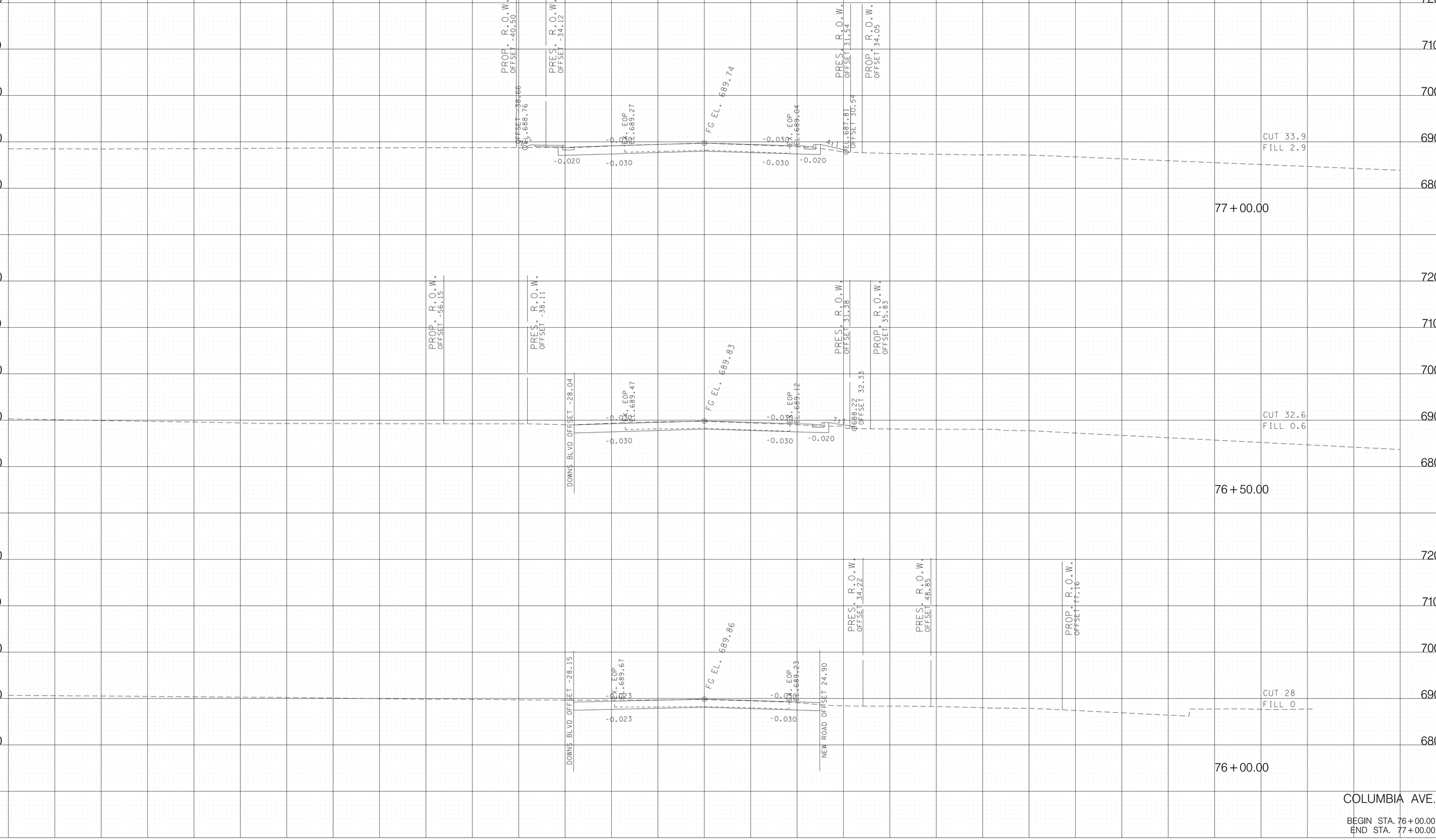


COLUMBIA AVE.

BEGIN STA. 74+50.00
END STA. 75+50.00

11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	83

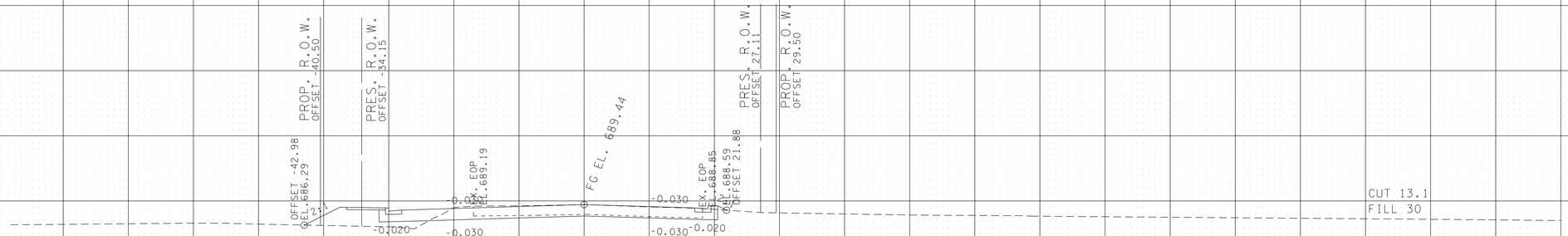


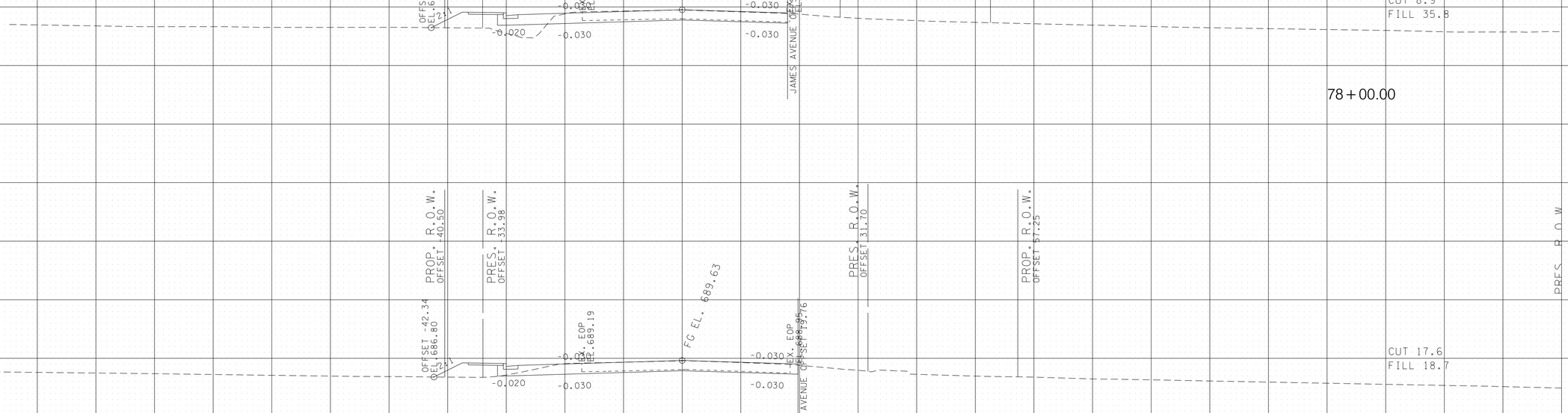
COLUMBIA AVE.

BEGIN STA. 76+00.00
END STA. 77+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	84



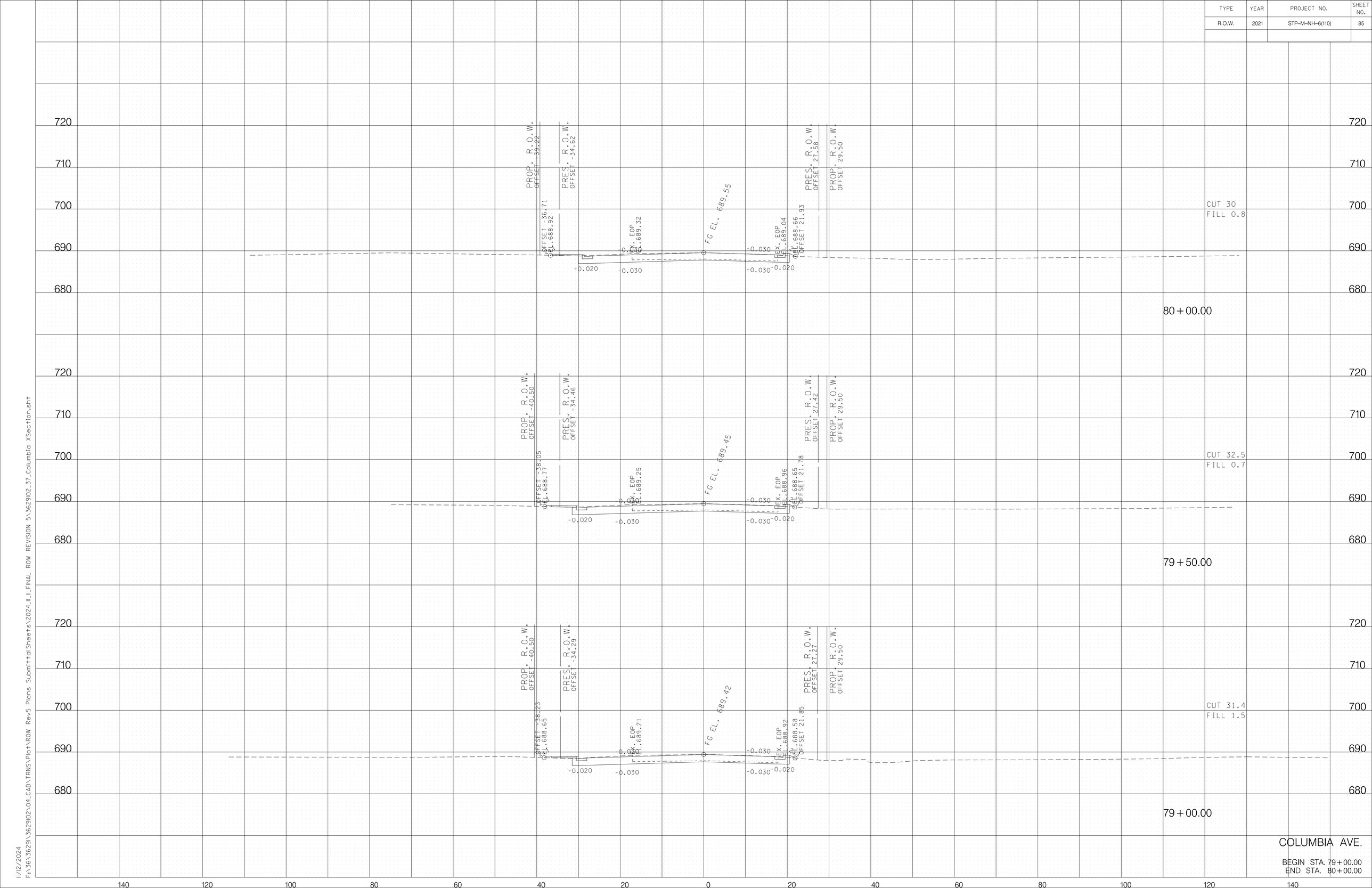


COLUMBIA AVE.

BEGIN STA. 77+50.00
END STA. 78+50.00

11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	85

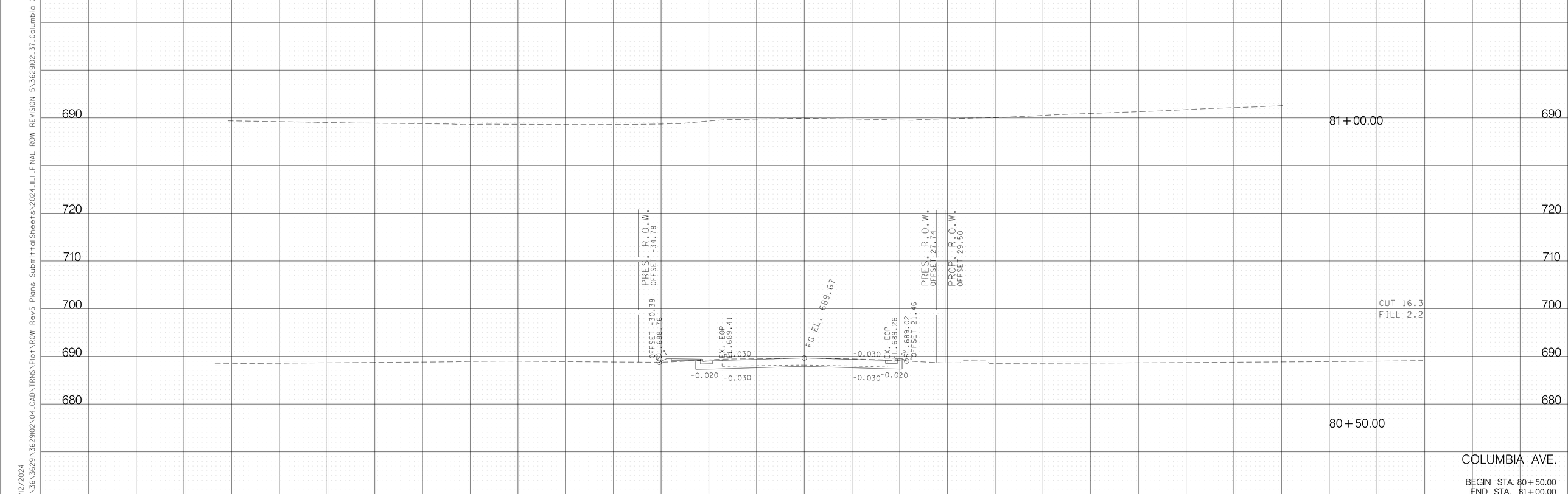


COLUMBIA AVE.

BEGIN STA. 79+00.00
END STA. 80+00.00

11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	86

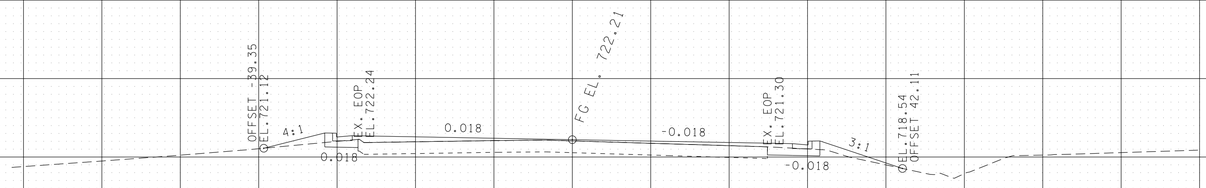


COLUMBIA AVE.

BEGIN STA. 80+50.00
END STA. 81+00.00

11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	87



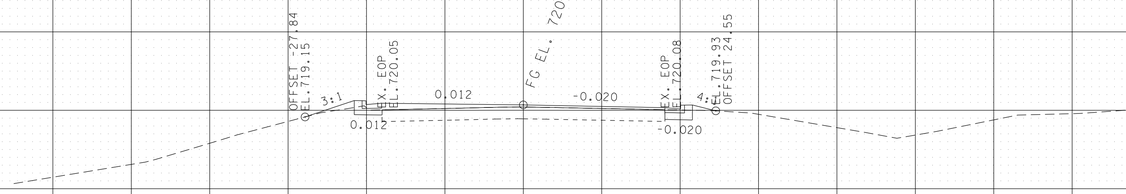
CUT 9.6
FILL 10.7

102+00.00



CUT 6
FILL 12.7

101+50.00



CUT 7.3
FILL 3.3

101+00.00



CUT 10.6
FILL 1.1

100+50.00

100+00.00

HILLVIEW LANE

BEGIN STA. 100+00.00
END STA. 102+00.00

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F:\36\3629\3629102\04_CAD\TRNS\Plot\ROW Rev5 Plans Submittal Sheets\2024_11_11_FINAL ROW REVISION 5\3629102_87_Hillview XSection.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	88

720

103 + 50.00

720

730

720

710

OFFSET -75.48
EL. 719.40

4:1

EX. EOP
EL. 721.07

-0.032

-0.032

FG EL. 722.39

0.032

EX. EOP
EL. 723.24

0.032

3:1

EL. 720.72
OFFSET 45.35

CUT 28.3
FILL 24.8

730

720

710

103 + 00.00

730

720

710

OFFSET -34.39
EL. 722.57

EX. EOP
EL. 722.18

-0.007

-0.007

FG EL. 722.21

0.007

EX. EOP
EL. 722.06

0.007

3:1

EL. 718.83
OFFSET 45.31

CUT 9.6
FILL 42.8

102 + 50.00

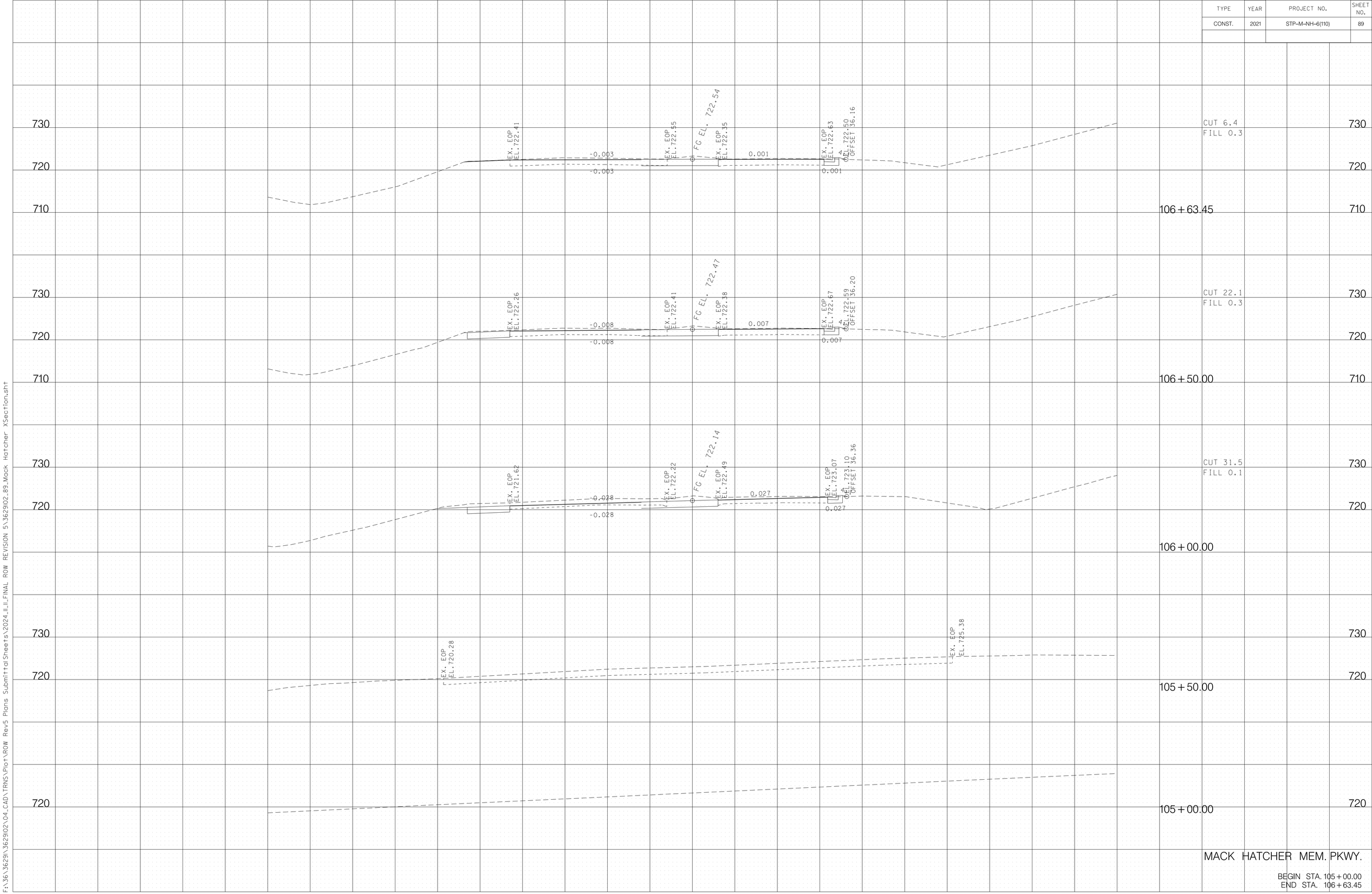
HILLVIEW LANE

BEGIN STA. 102 + 50.00
END STA. 103 + 50.00

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

11/12/2024
F:\36\36291\36291002\04_CAD\TRNS\Plot\ROW Rev5 Plans Submittal Sheets\2024_11_11_FINAL ROW REVISION 5\36291002_87_Hillview XSection.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	89



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F:\36\3629\3629102\04_CAD\TRNS\Plot\ROW Rev5 Plans Submittal Sheets\2024_11_FINAL ROW REVISION 5\3629102_89_Mack Hatcher XSection.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	90

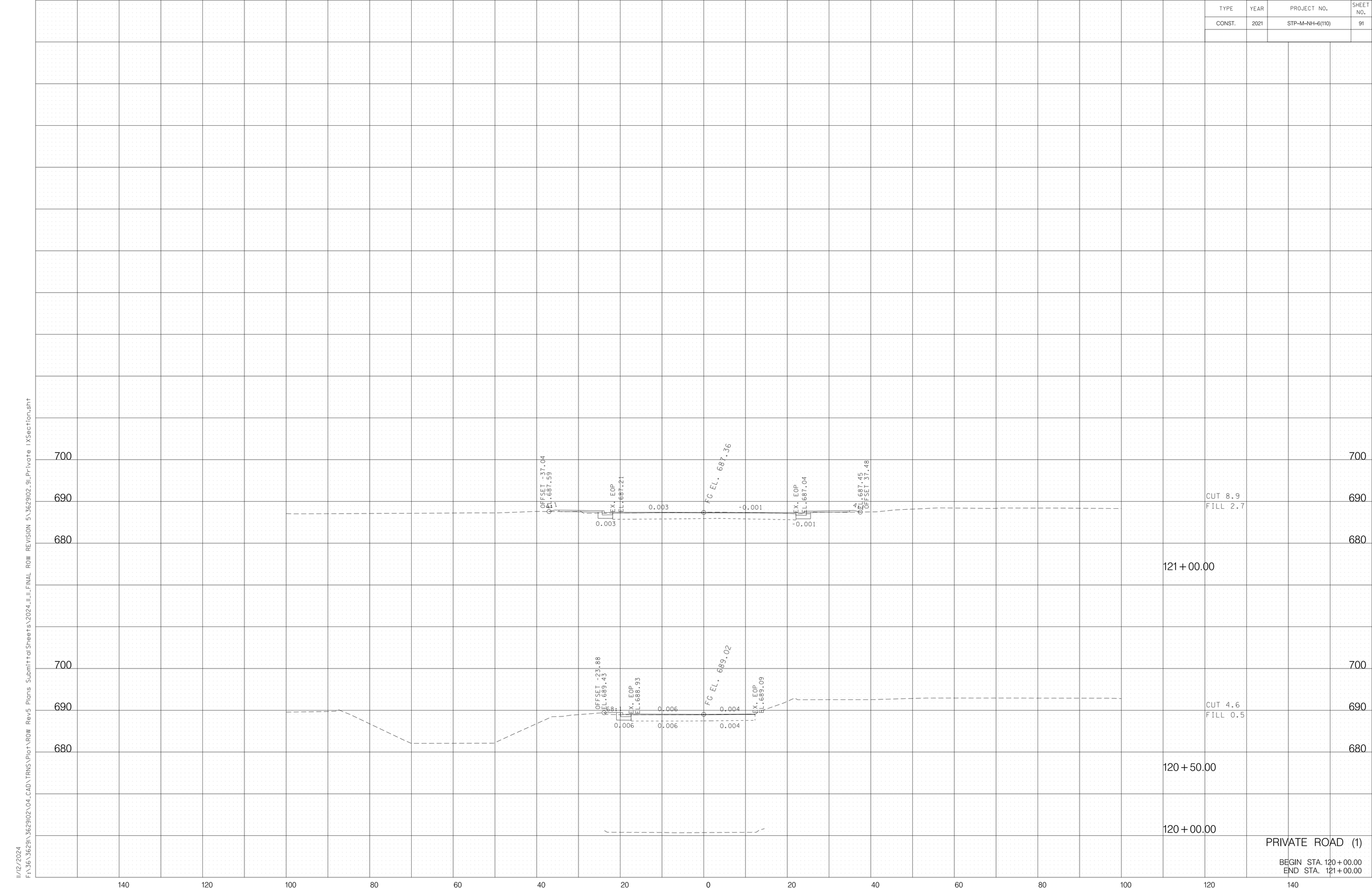


SHOPPING CENTER

BEGIN STA. 110 + 00.00
END STA. 111 + 00.00

11/12/2024
F:\36\3629\3629102\04_CAD\TRNS\Plot\ROW Rev5 Plans Submittal Sheets\2024_11_FINAL ROW REVISION 5\3629102_90_Shopping Center XSection.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	91

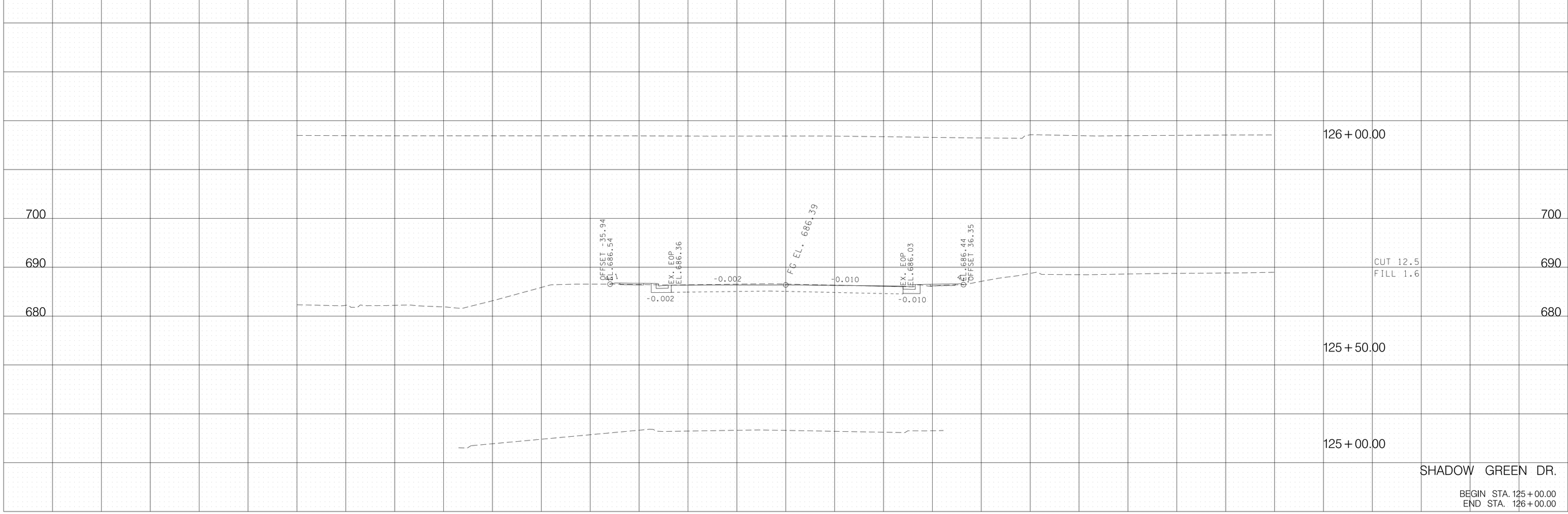


PRIVATE ROAD (1)

BEGIN STA. 120+00.00
END STA. 121+00.00

11/12/2024
F:\36\362902\04_CAD\TRNS\Plot\ROW Rev5 Plans Submittal Sheets\2024_11_11_FINAL ROW REVISION 5\362902_9i_Private IXSection.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	92



SHADOW GREEN DR.

BEGIN STA. 125+00.00
END STA. 126+00.00

11/12/2024
F:\36\3629\3629102\04_CAD\TRNS\Plot\ROW Rev5 Plans Submittal Sheets\2024_11_FINAL ROW REVISION 5\3629102_92_Shadowgreen XSection.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	93

700
690
680

CUT 15.6
FILL 43.7

131+50.00

700
690
680

OFFSET -30.86
EL. 686.07
4:1
-0.013
EX. EOP
EL. 686.25
FG EL. 686.71
-0.015
EX. EOP
EL. 686.54
4:1
EL. 684.99
OFFSET 35.05

CUT 14.4
FILL 8

131+00.00

700
690
680

OFFSET -47.29
EL. 685.83
4:1
-0.002
EX. EOP
EL. 686.20
FG EL. 687.16
-0.006
EX. EOP
EL. 686.33
4:1
EL. 686.29
OFFSET 46.08

CUT 4.9
FILL 29.3

130+50.00

130+00.00

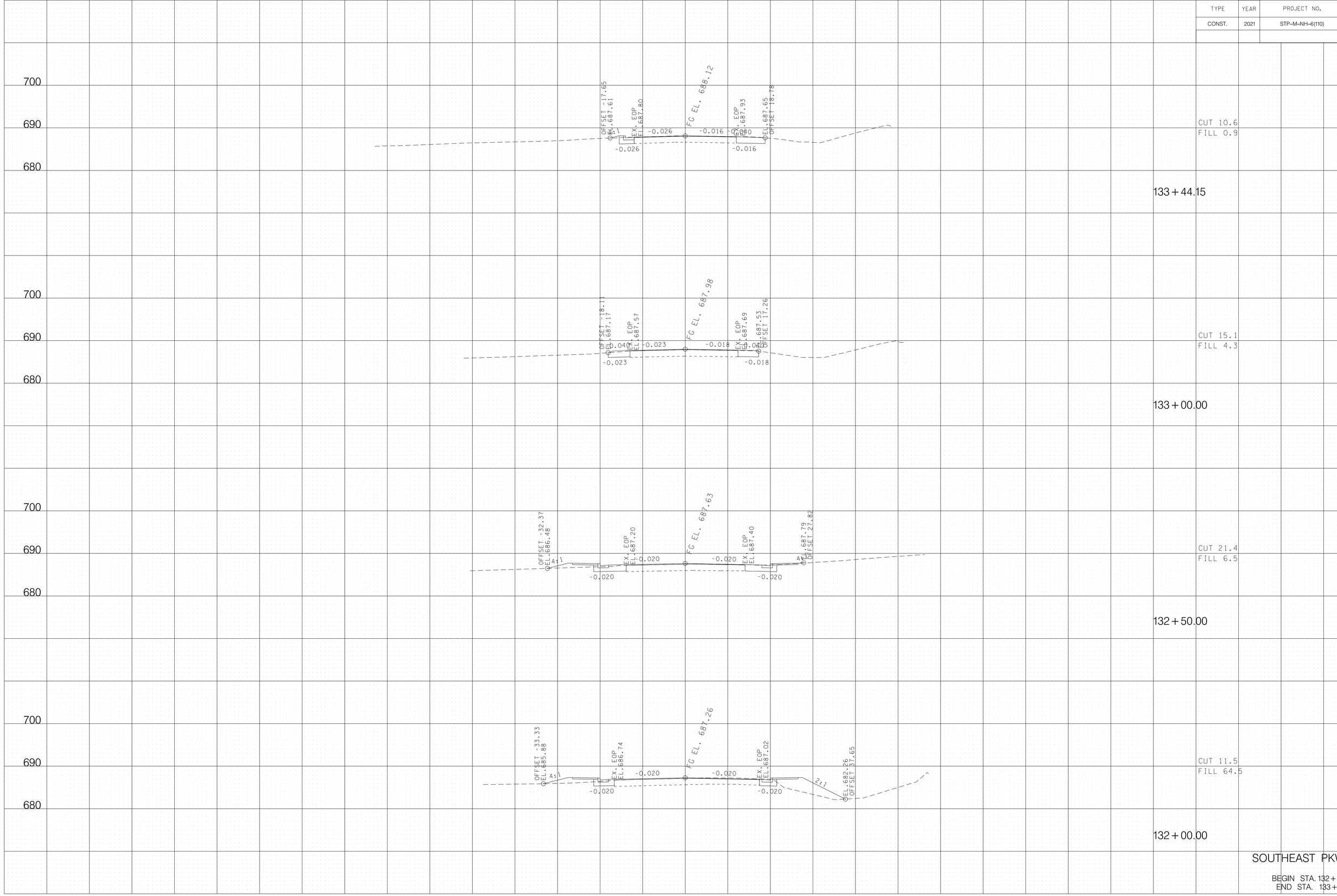
SOUTHEAST PKWY.

BEGIN STA. 130+00.00
END STA. 131+50.00

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

11/12/2024
F:\36\3629\3629102\04_CAD\TRNS\Plot\ROW Rev5 Plans Submittal Sheets\2024_11_11_FINAL ROW REVISION 5\3629102_93_Southeast XSection.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	94

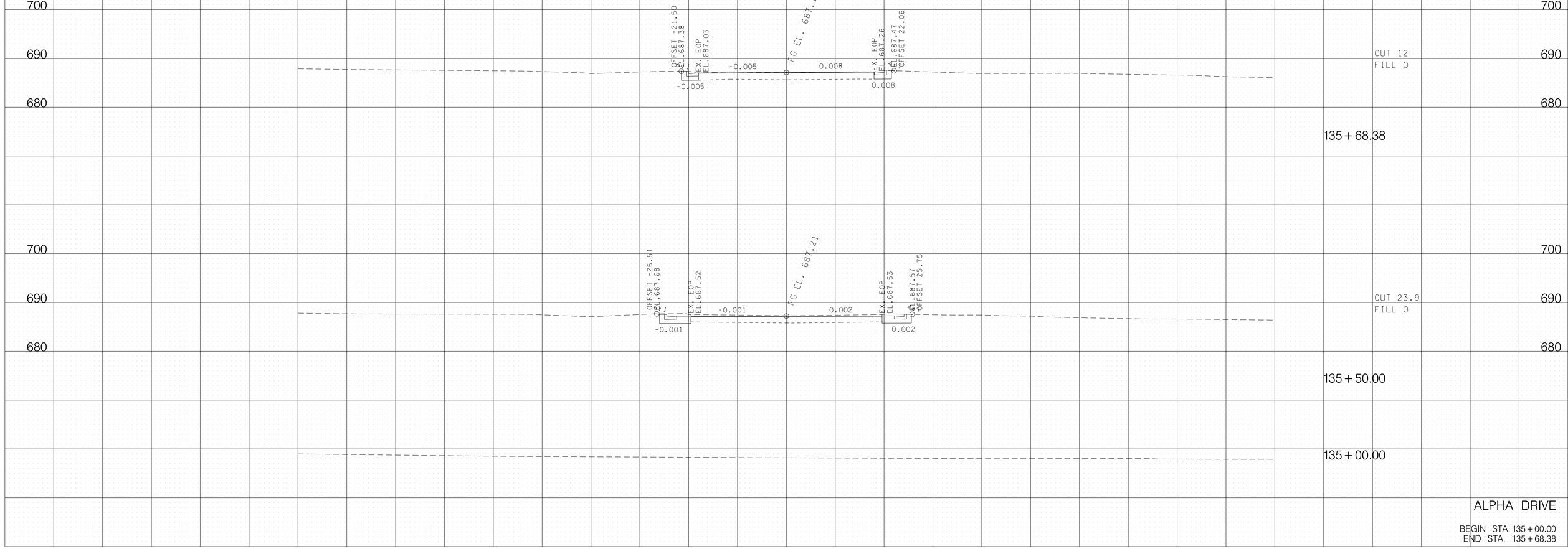


SOUTHEAST PKWY.

BEGIN STA. 132 + 00.00
END STA. 133 + 44.15

11/12/2024
F:\36\3629\3629102\04_CAD\TRNS\Plot\ROW Rev5 Plans Submittal Sheets\2024_11_FINAL ROW REVISION 5\3629102_93_Southeast XSection.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	95

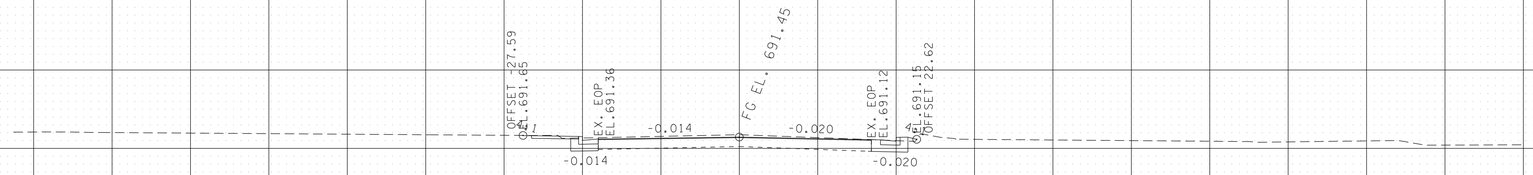


ALPHA DRIVE

BEGIN STA. 135+00.00
END STA. 135+68.38

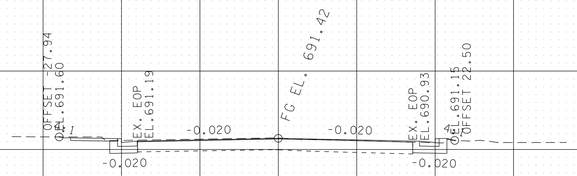
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	96



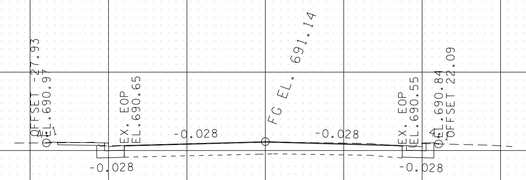
CUT 14.2
FILL 0.4

141 + 50.00



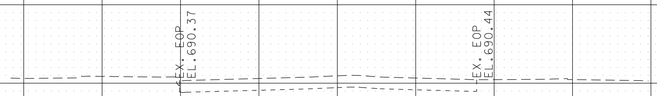
CUT 13.9
FILL 0.1

141 + 00.00



CUT 13.5
FILL 0.2

140 + 50.00



140 + 00.00

700
690
680

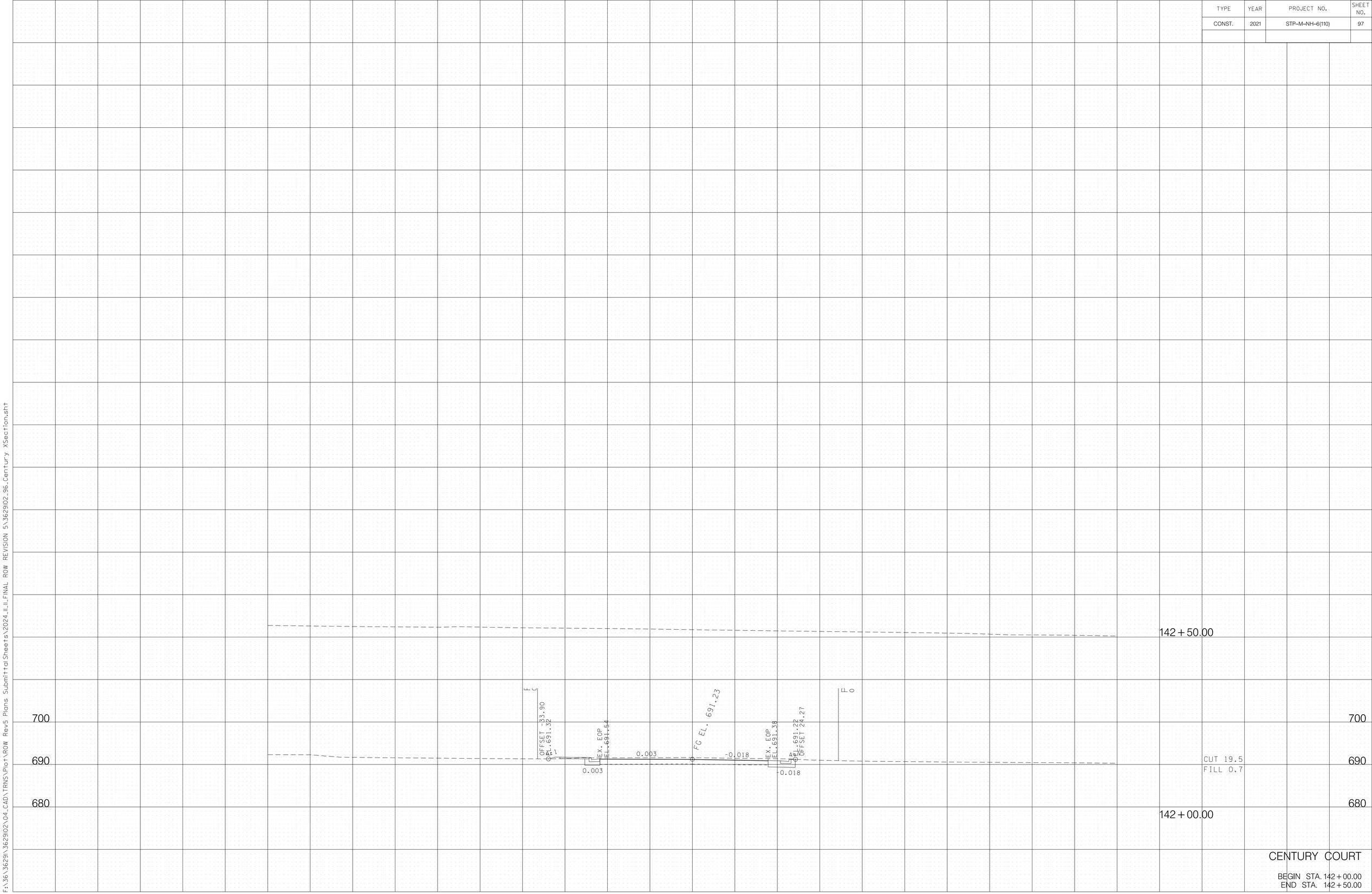
140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

CENTURY COURT

BEGIN STA. 140 + 00.00
END STA. 141 + 50.00

11/12/2024
F:\36\3629\3629102\04_CAD\TRNS\Plot\ROW Rev5 Plans Submittal Sheets\2024_11_11_FINAL ROW REVISION 5\3629102_96_Century XSection.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	97

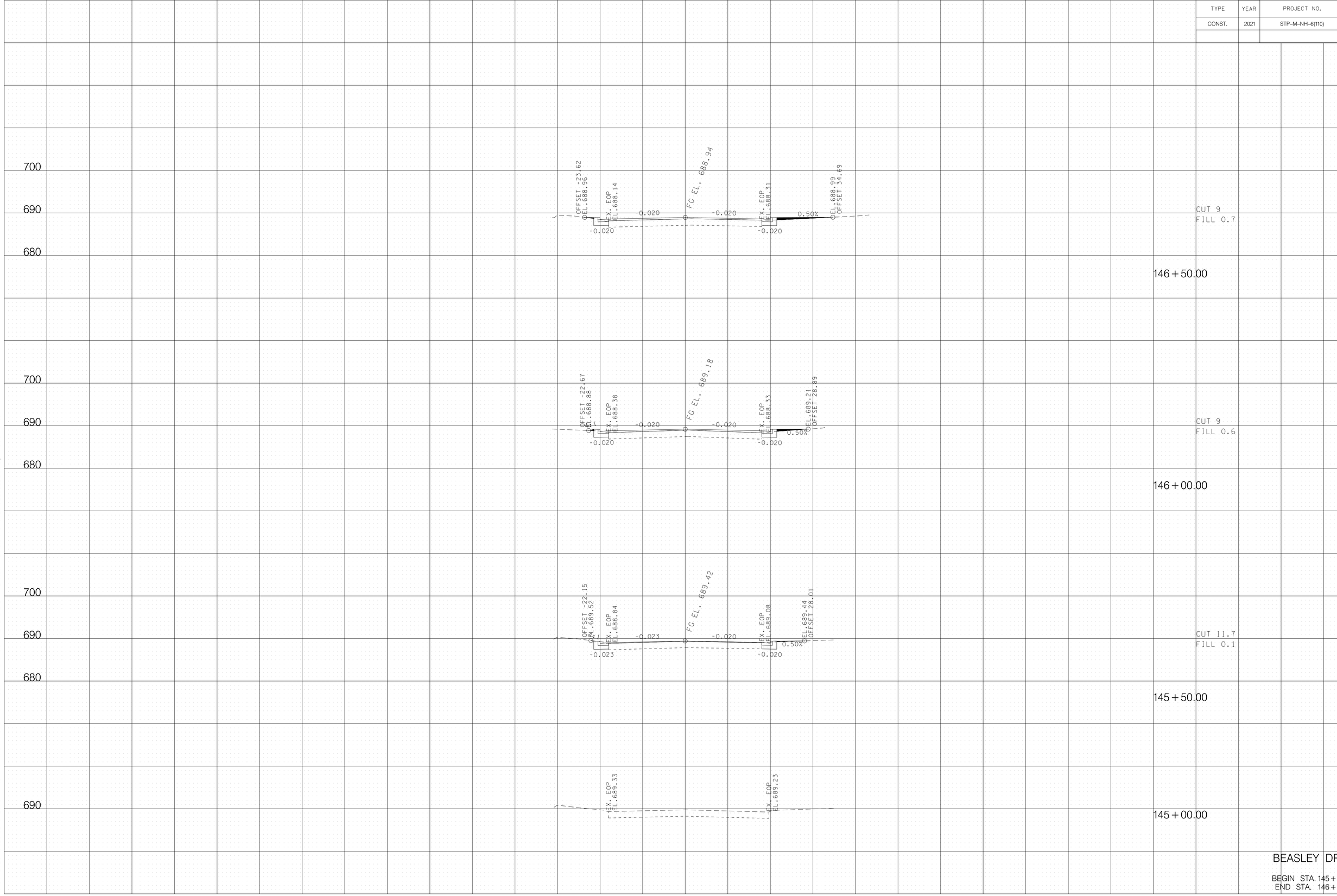


CENTURY COURT

BEGIN STA. 142+00.00
END STA. 142+50.00

11/12/2024
F:\36\36291\362902\04_CAD\TRNS\Plot\ROW Rev5 Plans Submittal Sheets\2024_11_11_FINAL ROW REVISION 5\362902_96_Century XSection.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	98

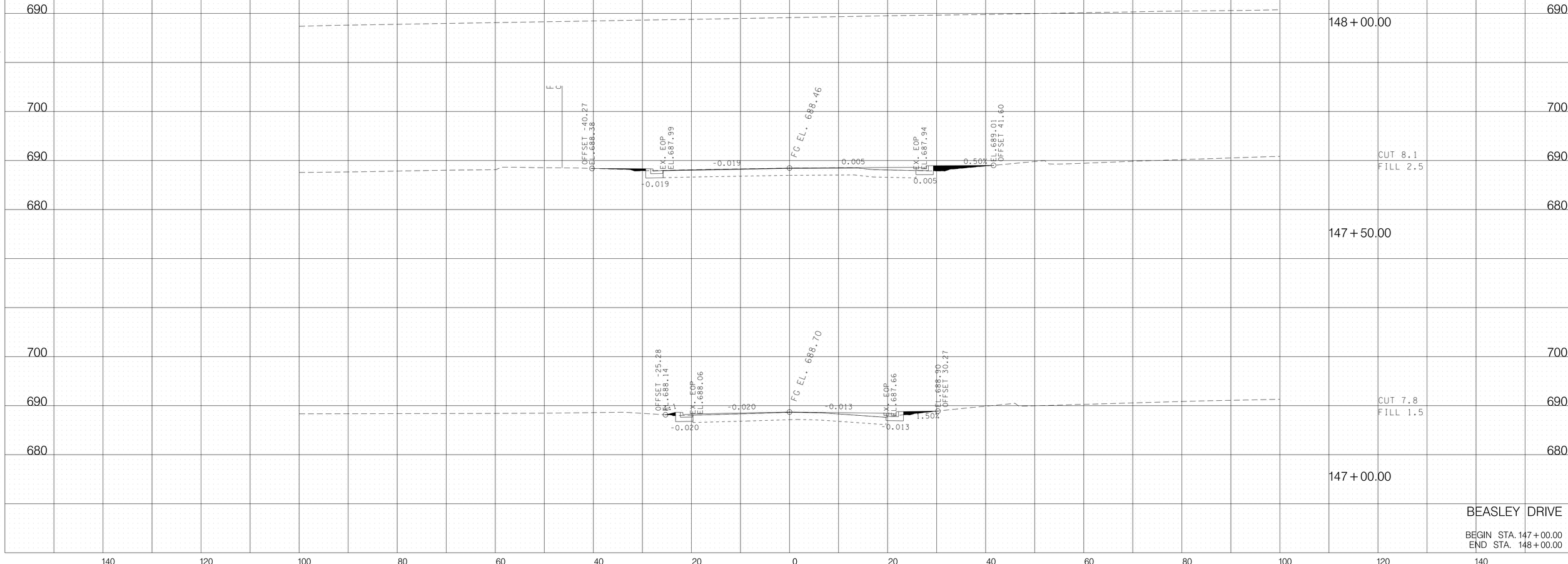


BEASLEY DRIVE

BEGIN STA. 145+00.00
END STA. 146+50.00

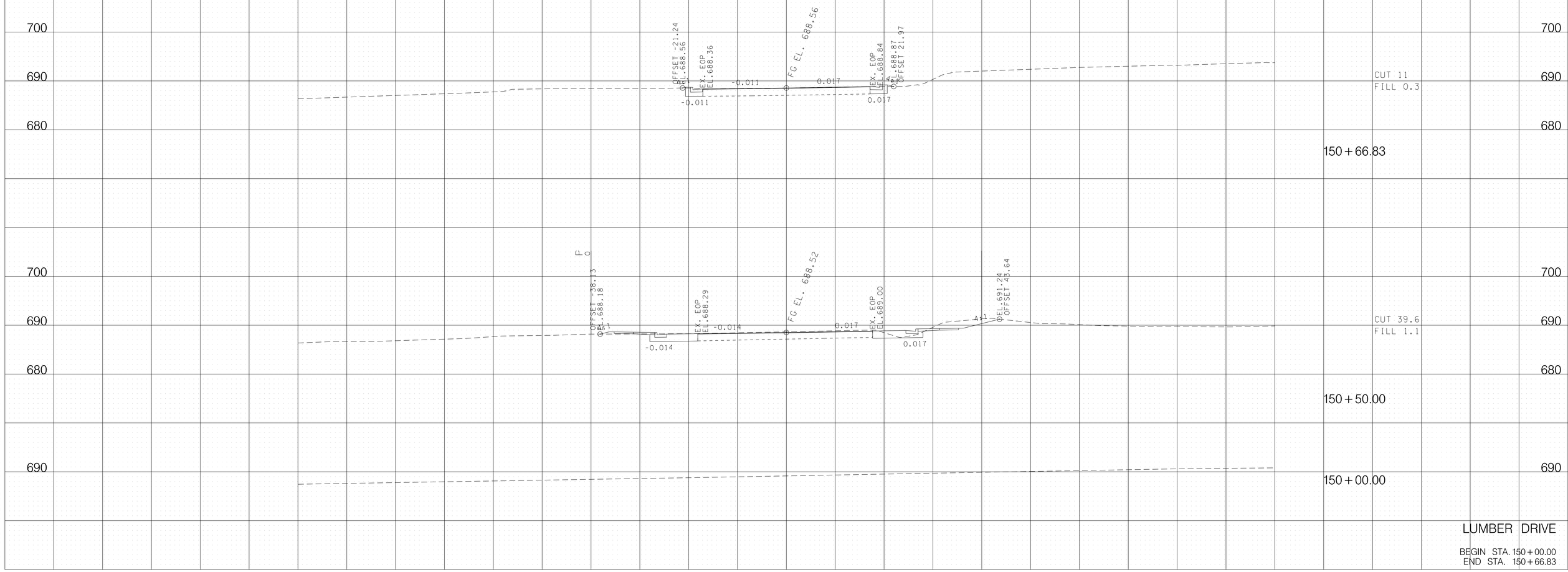
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F:\36\3629\3629102\04_CAD\TRNS\Plot\ROW Rev5 Plans Submittal Sheets\2024_11_FINAL ROW REVISION 5\3629102_98_Beasley XSection.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	99



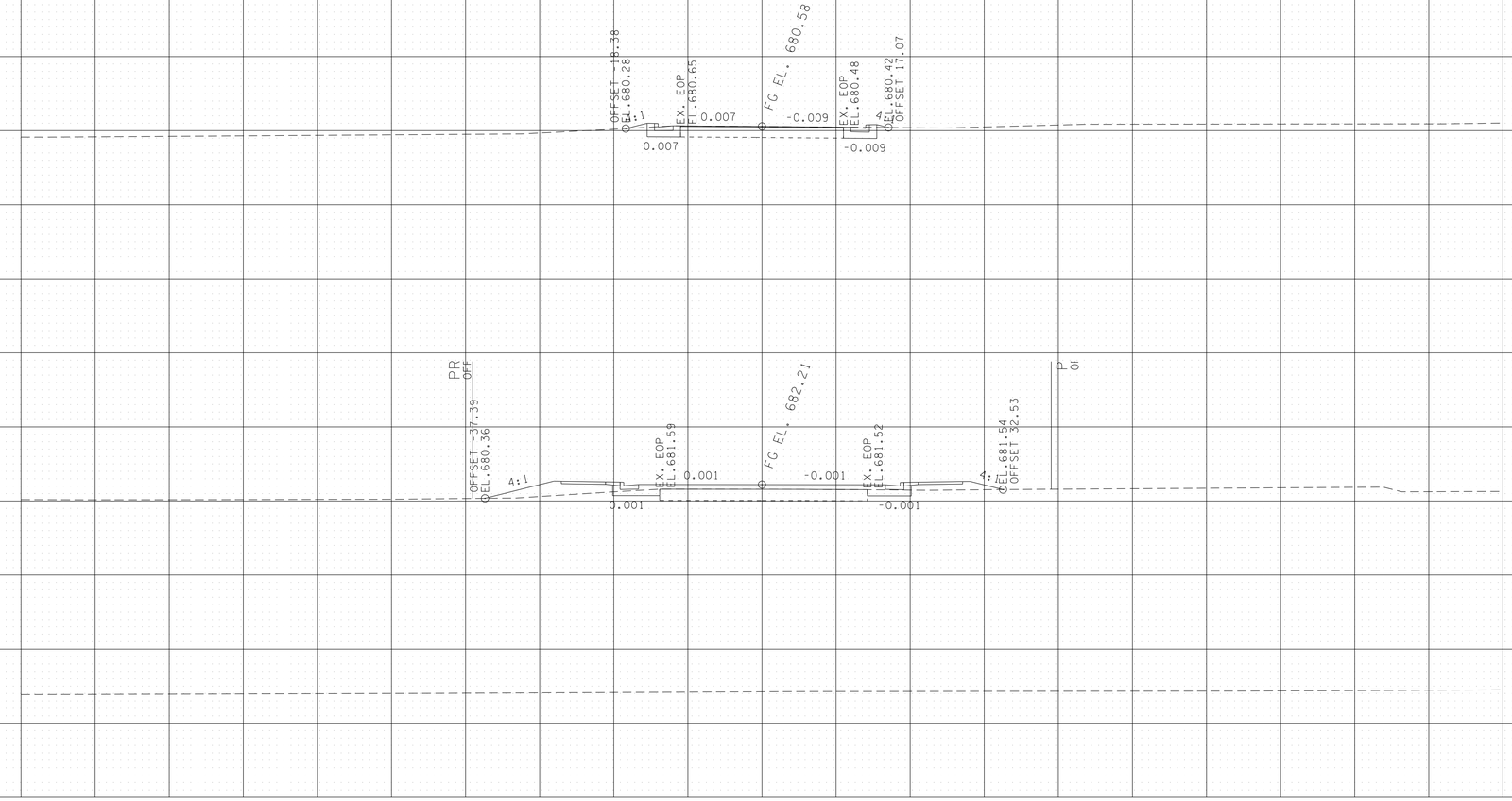
11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	100



11/12/2024
F:\36\3629\3629102\04_CAD\TRNS\Plot\ROW Rev5 Plans Submittal Sheets\2024_11_FINAL ROW REVISION 5\3629102_100_Lumber XSection.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	101

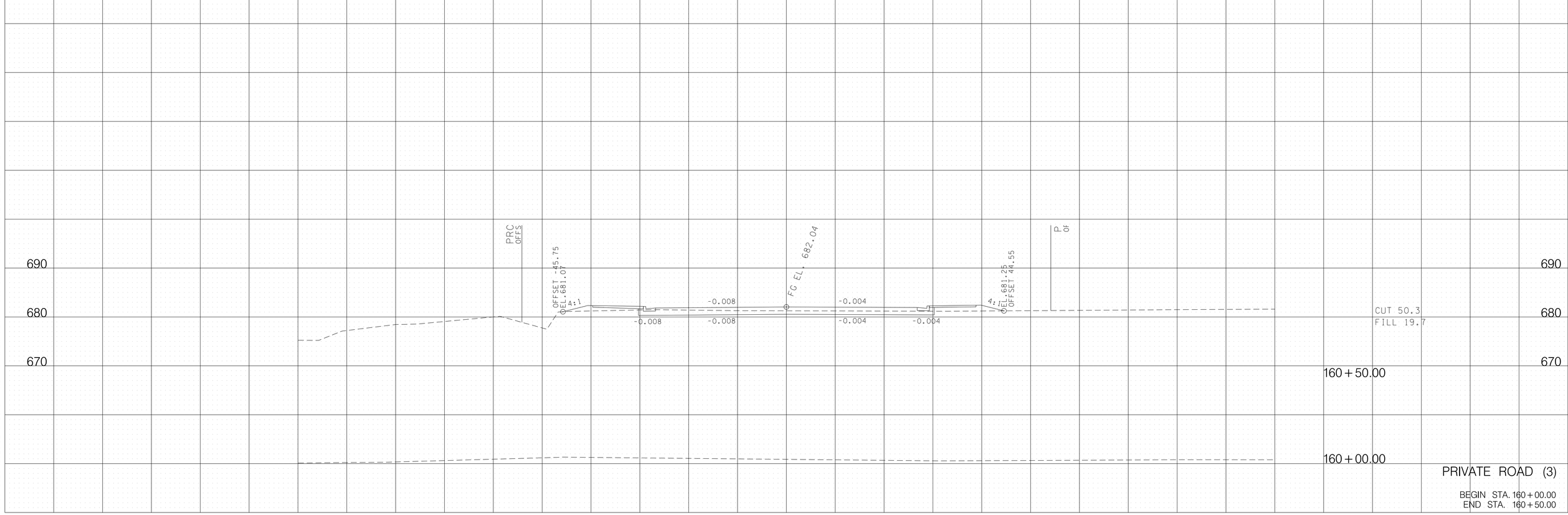


PRIVATE ROAD (2)

BEGIN STA. 155 + 00.00
END STA. 155 + 85.00

11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	102

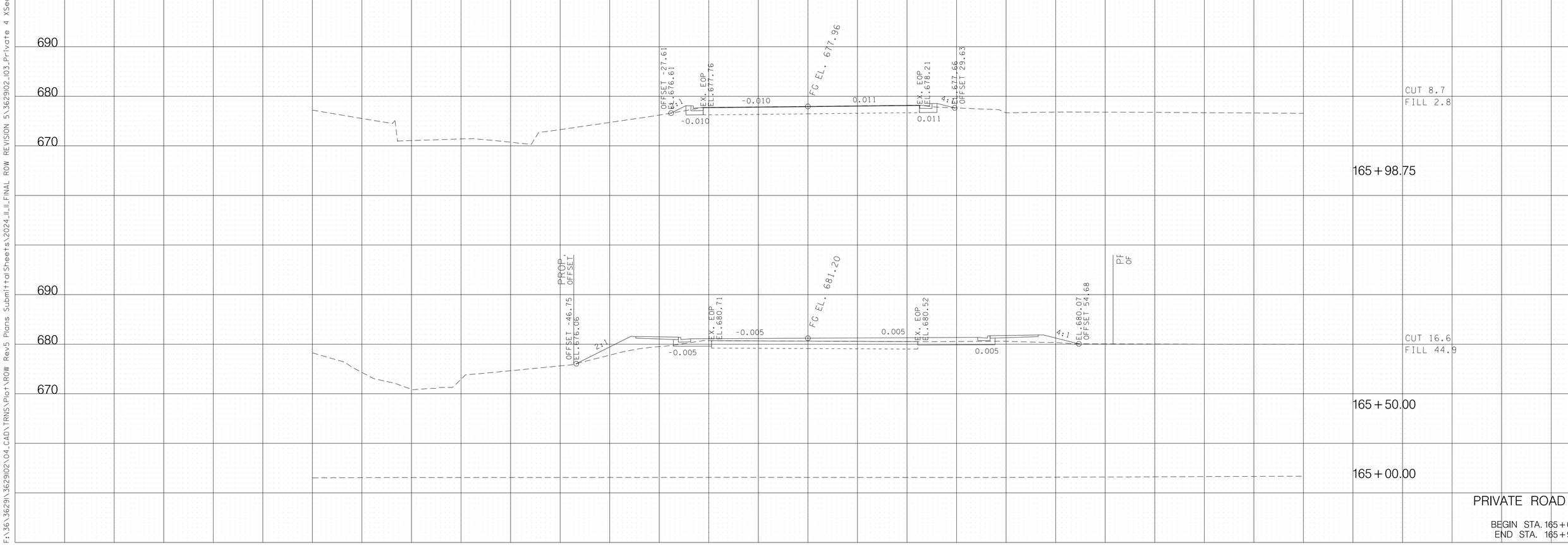


PRIVATE ROAD (3)

BEGIN STA. 160+00.00
END STA. 160+50.00

11/12/2024
F:\36\3629IN\3629I02\04_CAD\TRNS\Plot\ROW Rev5 Plans Submittal Sheets\2024_11_FINAL ROW REVISION 5\3629I02_I02_Private 3 XSection.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	103

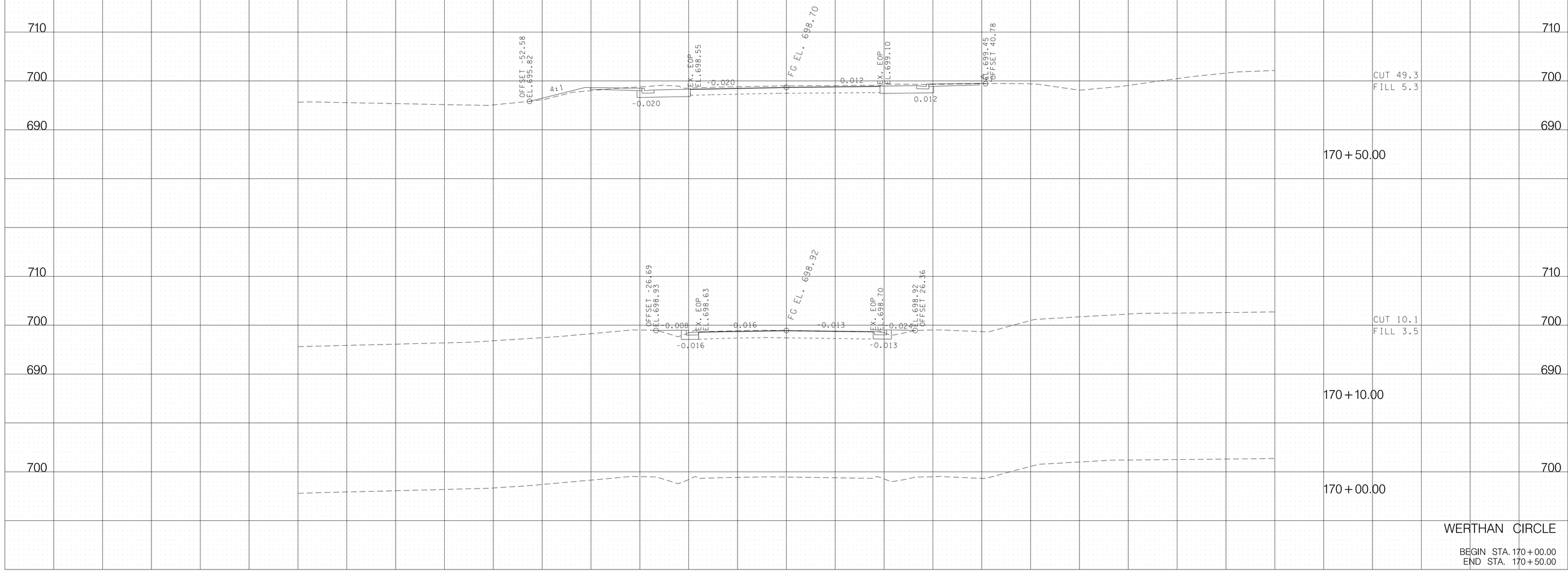


PRIVATE ROAD (4)

BEGIN STA. 165+00.00
END STA. 165+98.75

11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	104

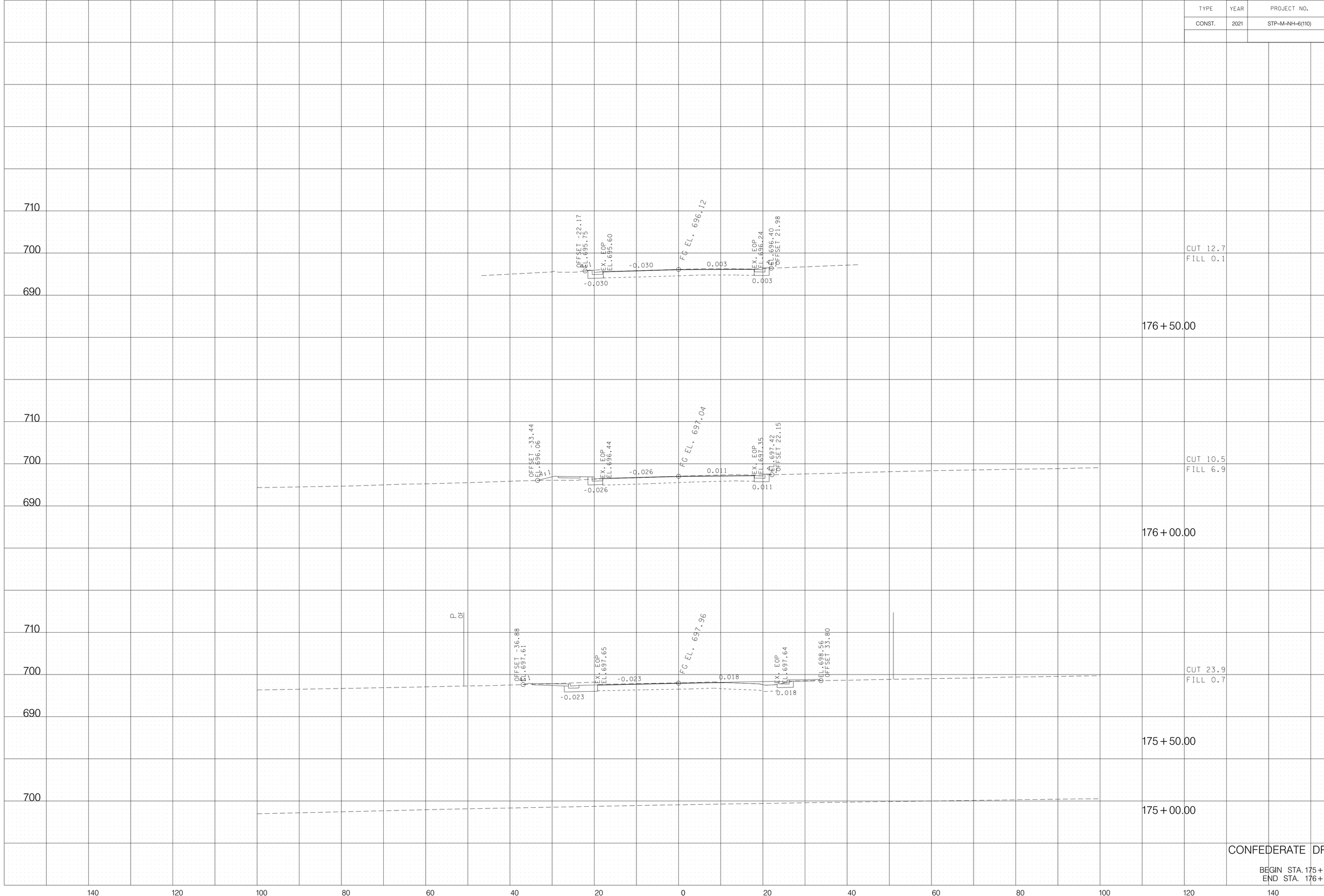


WERTHAN CIRCLE

BEGIN STA. 170+00.00
END STA. 170+50.00

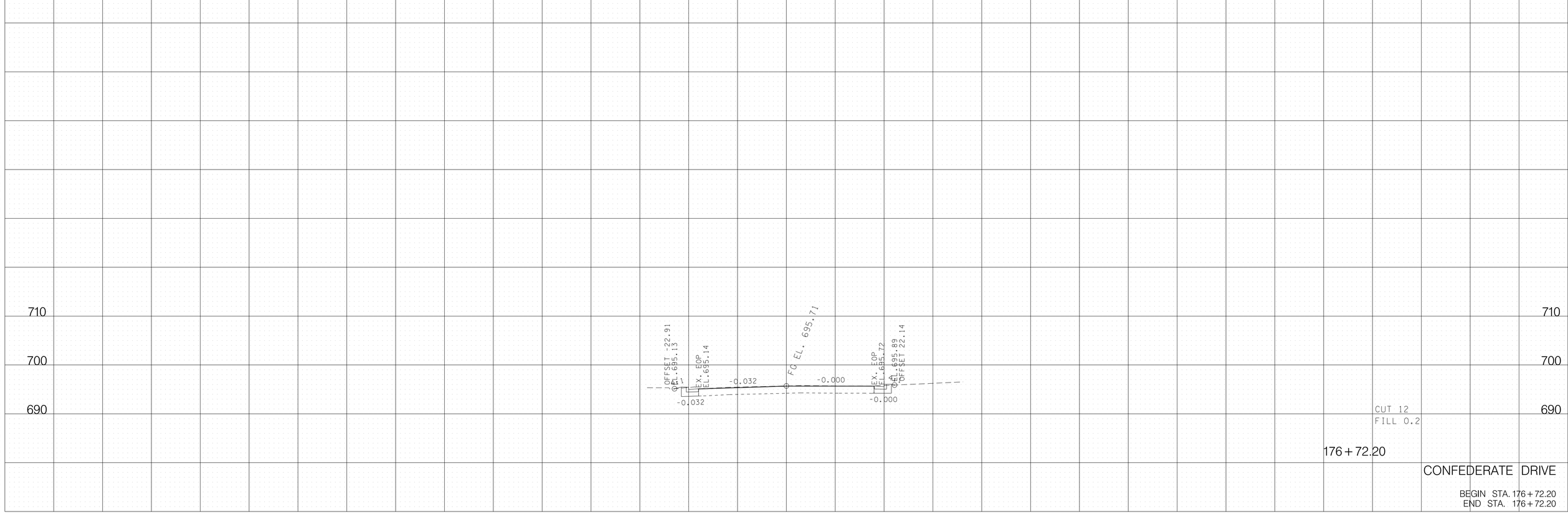
11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	105



11/12/2024
F:\36\3629\3629102\04_CAD\TRNS\Plot\ROW Rev5 Plans Submittal Sheets\2024_11_FINAL ROW REVISION 5\3629102_105_Confederate XSection.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	106

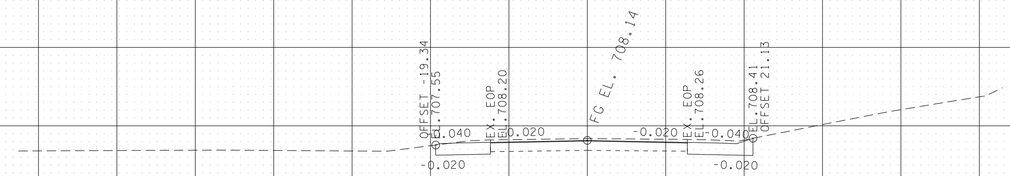


CONFEDERATE DRIVE

BEGIN STA. 176+72.20
END STA. 176+72.20

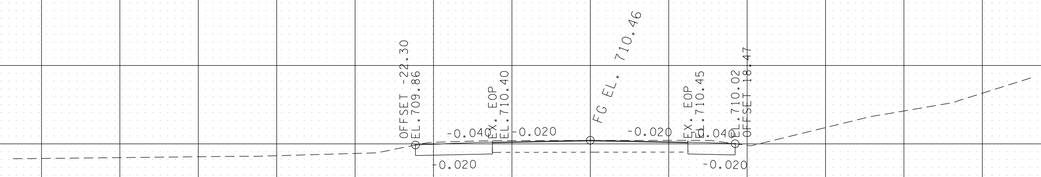
11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	107



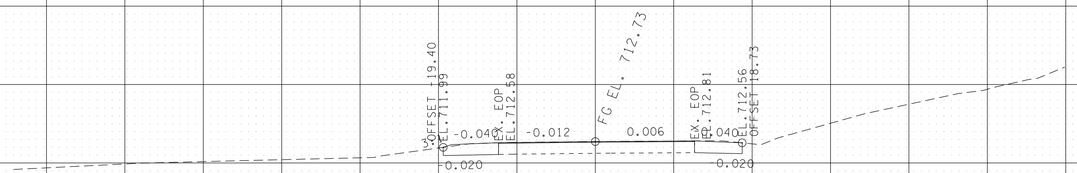
CUT 27.4
FILL 2.1

186 + 50.00



CUT 19.4
FILL 0.9

186 + 00.00



CUT 10.3
FILL 1.3

185 + 50.00

185 + 00.00

DOWNS BOULEVARD

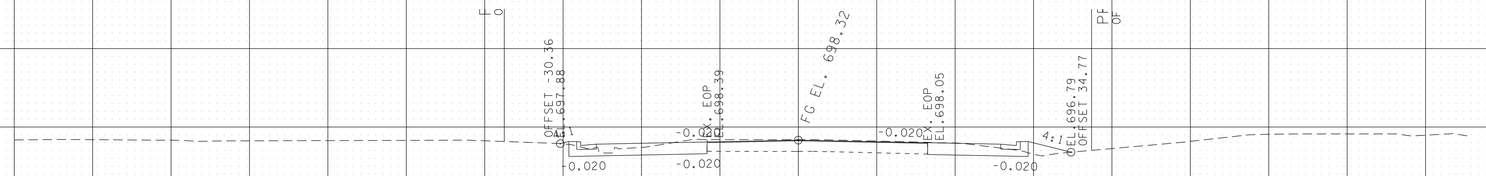
BEGIN STA. 185 + 00.00
END STA. 186 + 50.00

720
710
700

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

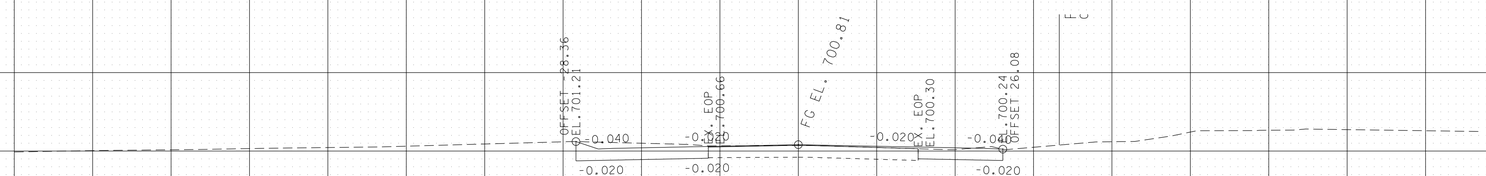
11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	108



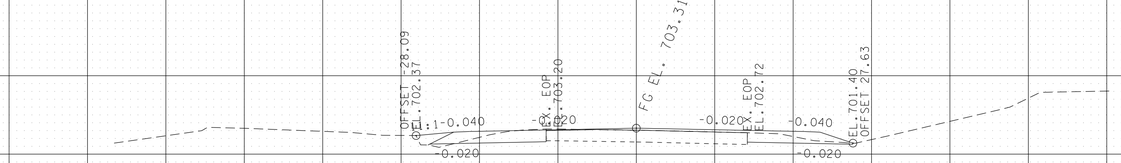
CUT 36.4
FILL 5

188 + 50.00



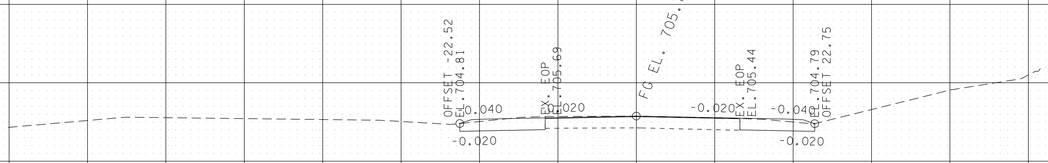
CUT 48.9
FILL 0.3

188 + 00.00



CUT 21.5
FILL 11.1

187 + 50.00



CUT 27.4
FILL 2.7

187 + 00.00

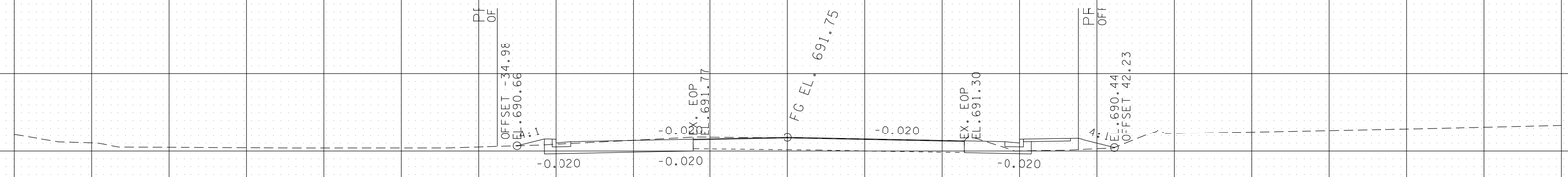
DOWNS BOULEVARD

BEGIN STA. 187 + 00.00
END STA. 188 + 50.00

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

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F:\36\3629\3629102\04_CAD\TRNS\Plot\ROW Rev5 Plans Submittal Sheets\2024_11_FINAL ROW REVISION 5\3629102_107_Downs XSection.sht

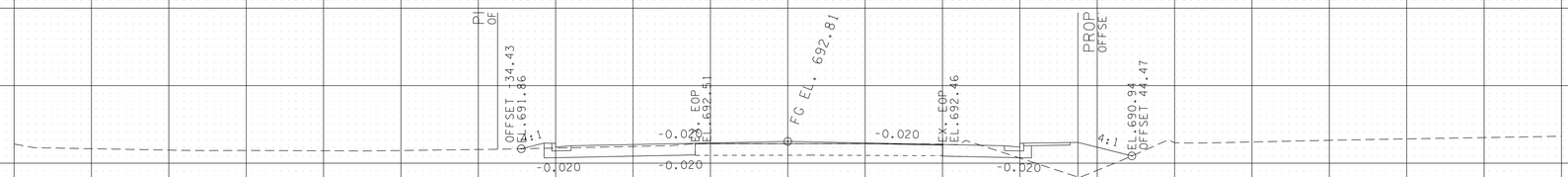
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	109



700
690
680

CUT 37.2
FILL 12.2

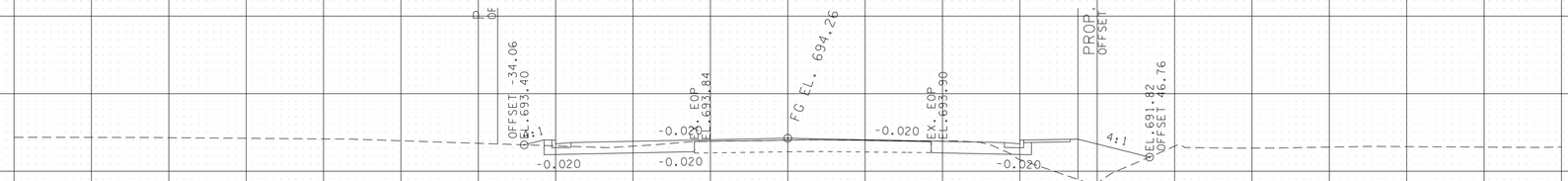
190+50.00



700
690
680

CUT 36.7
FILL 36.5

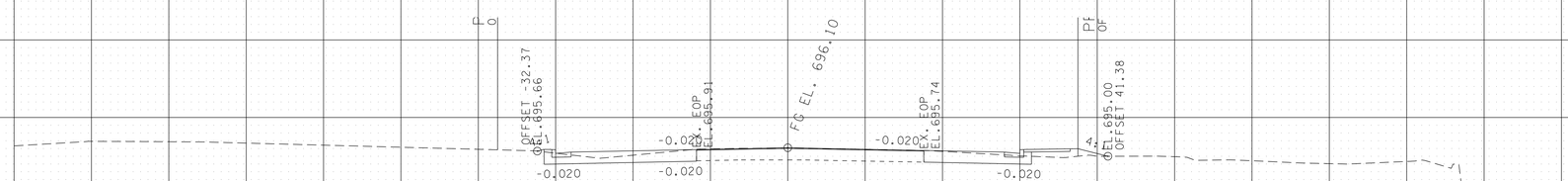
190+00.00



710
700
690

CUT 32.3
FILL 54.8

189+50.00



710
700
690

CUT 39.1
FILL 6.3

189+00.00

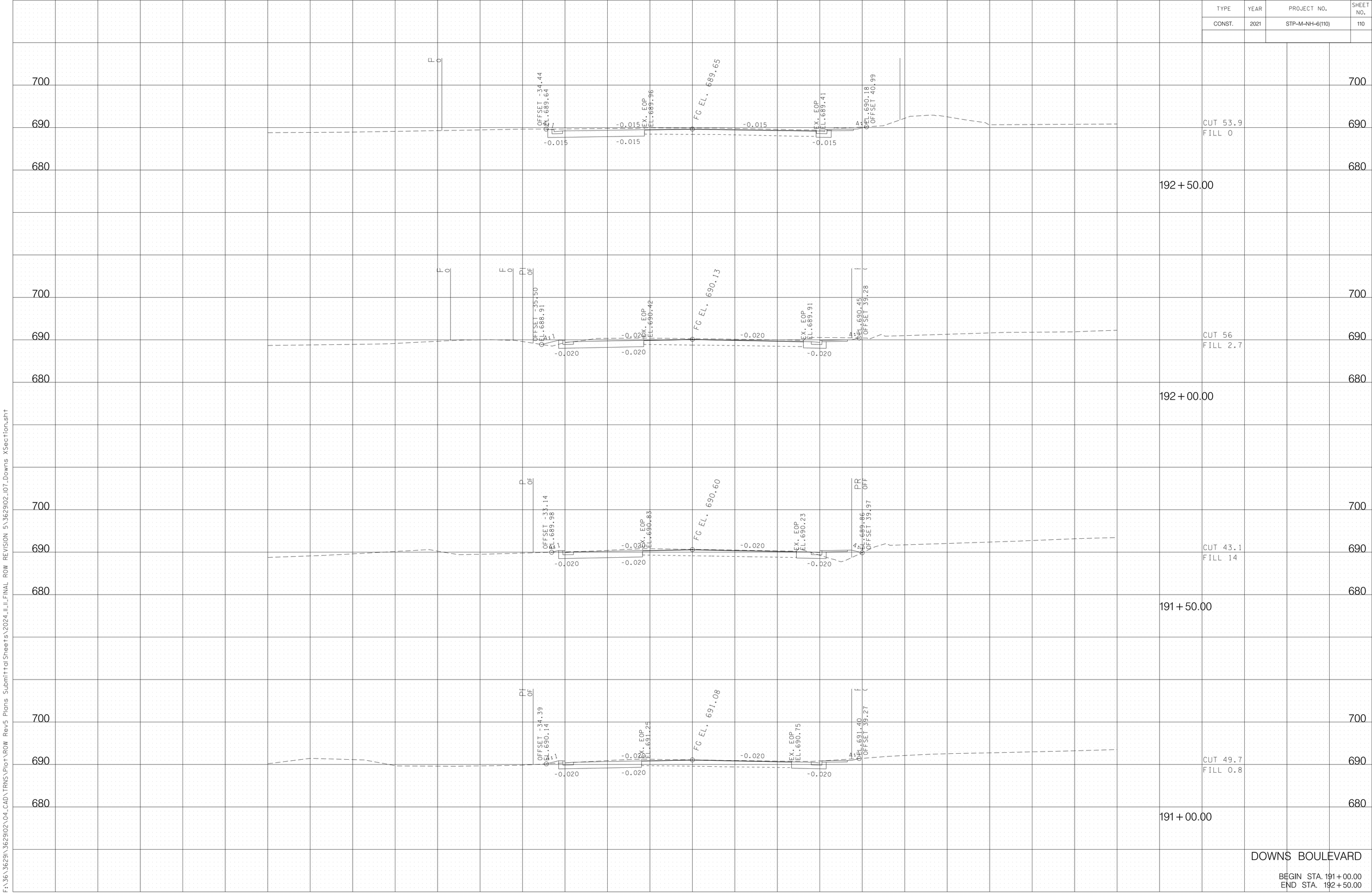
DOWNS BOULEVARD

BEGIN STA. 189+00.00
END STA. 190+50.00

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

11/12/2024
F:\36\3629\3629102\04_CAD\TRNS\Plot\ROW Rev5 Plans Submittal Sheets\2024_11_FINAL ROW REVISION 5\3629102_107_Downs XSection.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	110



11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	111

700
690
680

OFFSET -20.69
EL.685.64
1
-0.020 -0.020 -0.020 -0.020
FG EL. 685.16
OFFSET 20.60
EL. 684.78
-0.020 -0.020 -0.020 -0.020
P O
CUT 65.5
FILL 0
196 + 50.00

700
690
680

OFFSET -26.51
EL.687.52
1
-0.020 -0.020 -0.020 -0.020
FG EL. 686.75
OFFSET 20.72
EL. 686.52
-0.020 -0.020 -0.020 -0.020
CUT 66.5
FILL 0
196 + 00.00

700
690
680

OFFSET -21.48
EL.688.21
-0.010 -0.010 -0.010 -0.010
FG EL. 688.33
OFFSET 38.20
EL. 688.35
-0.010 -0.010 -0.010 -0.010
CUT 95.2
FILL 0
195 + 50.00
195 + 00.00

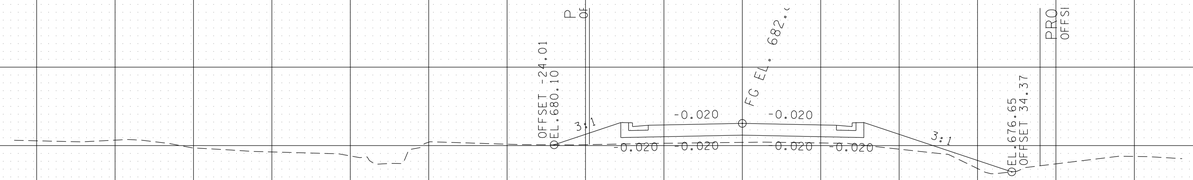
NEW ROAD

BEGIN STA. 195 + 00.00
END STA. 196 + 50.00

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

11/12/2024
F:\36\362902\04_CAD\TRNS\Plot\ROW Rev5 Plans Submittal Sheets\2024_11_FINAL ROW REVISION 5\362902_III_New Road XSection.sht

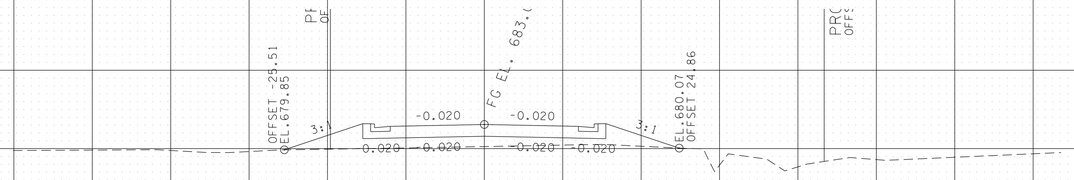
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	112



690 680 670

CUT 35.7
FILL 4.1

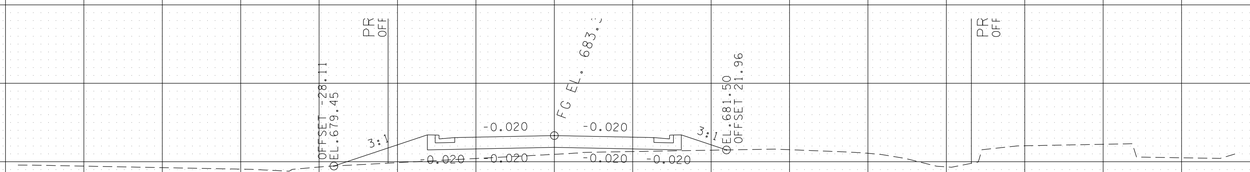
198 + 50.00



690 680 670

CUT 26.1
FILL 4.1

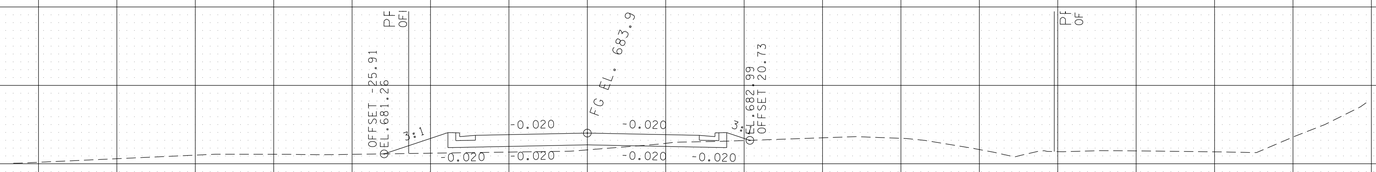
198 + 00.00



690 680 670

CUT 32.1
FILL 6.2

197 + 50.00



690 680 670

CUT 35.5
FILL 3.8

197 + 00.00

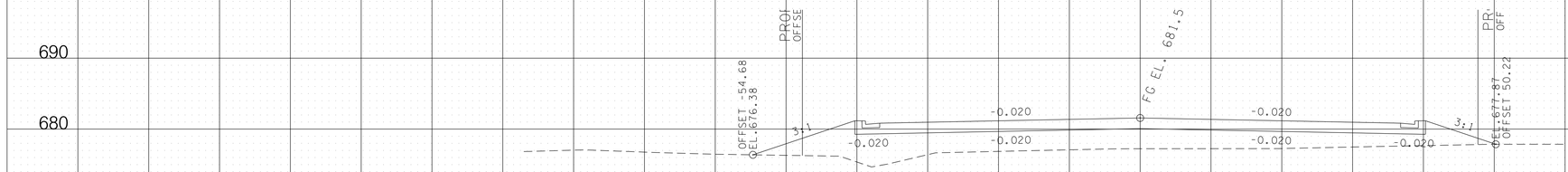
NEW ROAD

BEGIN STA. 197 + 00.00
END STA. 198 + 50.00

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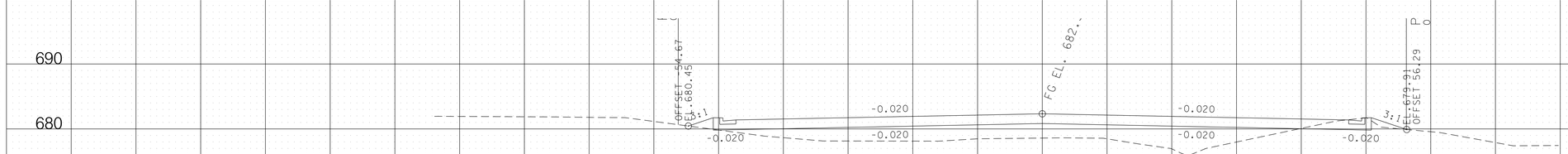
11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	113



CUT 0
FILL 129.7

200+00.00



CUT 60.7
FILL 31.1

199+50.00



CUT 44
FILL 35.7

199+00.00

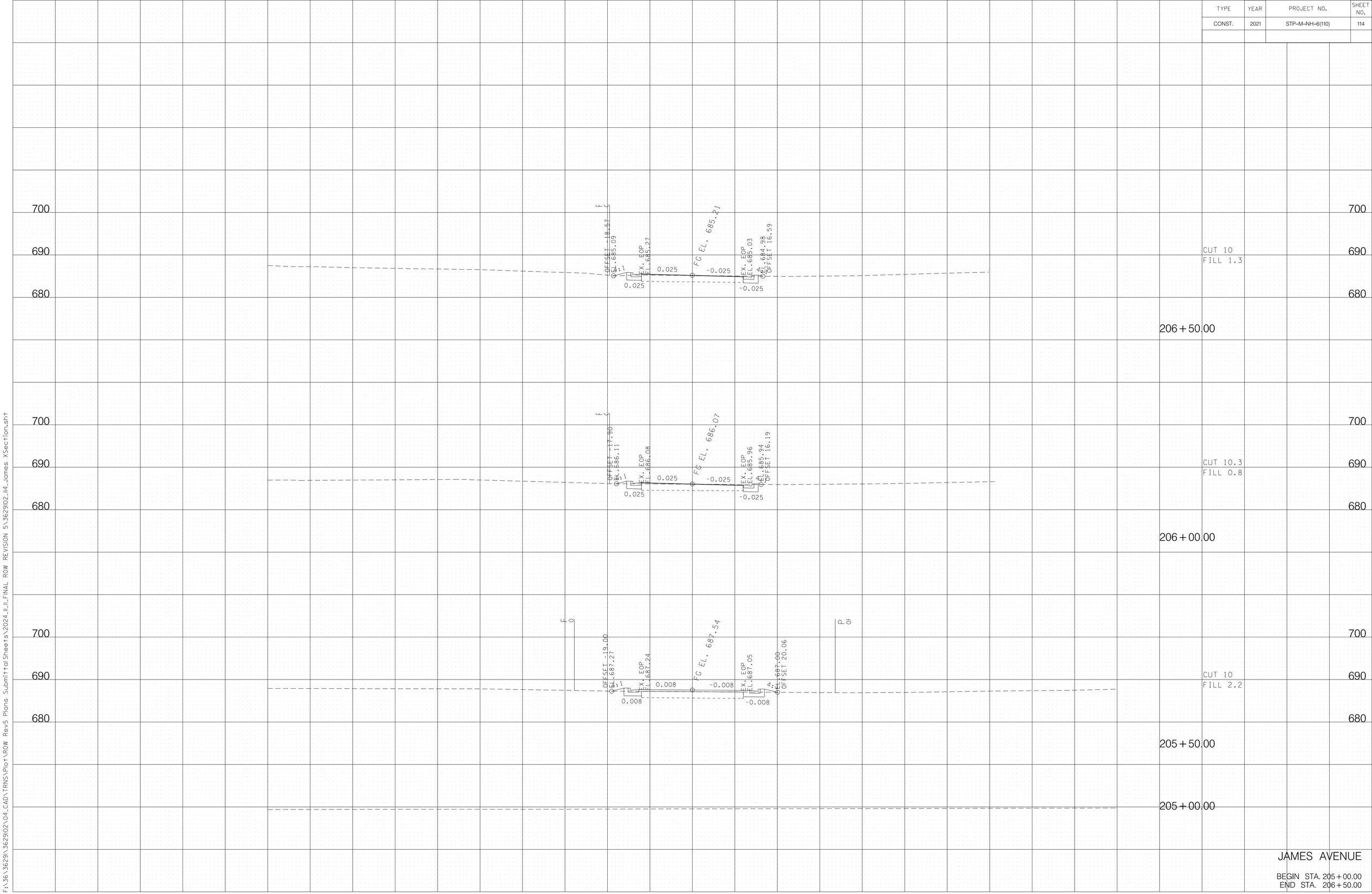
NEW ROAD

BEGIN STA. 199+00.00
END STA. 200+00.00

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

11/12/2024
F:\36\36291\362902\04_CAD\TRNS\Plot\ROW Rev5 Plans Submittal Sheets\2024_IL11_FINAL ROW REVISION 5\362902_111_New Road XSection.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	114

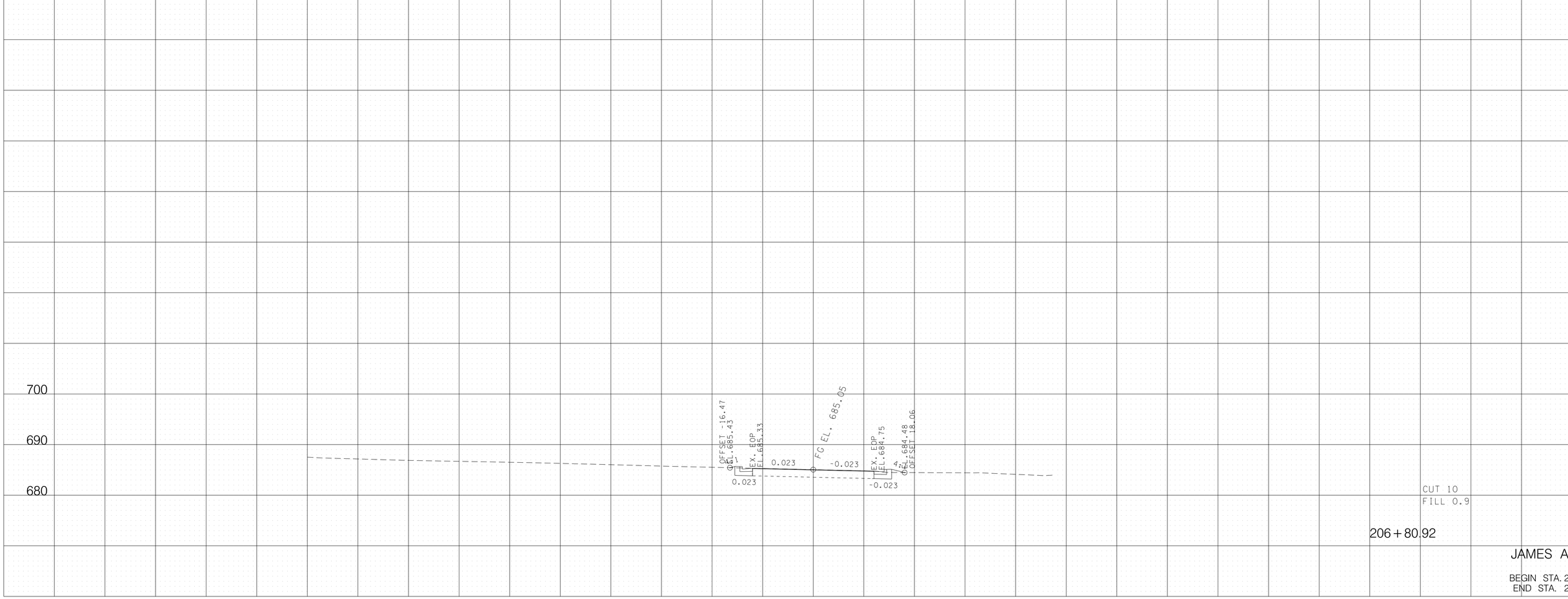


JAMES AVENUE

BEGIN STA. 205+00.00
END STA. 206+50.00

11/12/2024
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2021	STP-M-NH-6(110)	115



JAMES AVENUE

BEGIN STA. 206+80.92
END STA. 206+80.92

11/12/2024
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PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

A. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES OR TRAFFIC LANE AND SHOULDER WHERE THE TRAFFIC LANE IS BEING USED BY TRAFFIC, CAUSED BY BASE, PAVING OR RESURFACING:

1. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 0.75 INCH AND NOT EXCEEDING 1.75 INCHES:

   a. WARNING SIGNS, UNEVEN LANES (W8-11) AND/OR SHOULDER DROP-OFF WITH PLAQUE (W8-17 AND W8-17P), SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

   b. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY ADDED PAVEMENT SHALL BE ELIMINATED WITHIN THREE WORKDAYS.

   c. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY COLD PLANING SHALL BE ELIMINATED WITHIN THREE WORKDAYS.

   d. WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE TRAFFIC LANE BEING UTILIZED BY TRAFFIC AND SHOULDER THE DIFFERENCE IN ELEVATION SHALL BE ELIMINATED WITHIN SEVEN WORKDAYS AFTER THE CONDITION IS CREATED.

2. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 1.75 INCHES AND NOT EXCEEDING 6 INCHES, TRAFFIC IS NOT TO BE ALLOWED TO TRAVERSE THIS DIFFERENCE IN ELEVATION.

   a. SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

      (1) WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

      (2) WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

   b. IF THE DIFFERENCE IN ELEVATION IS ELIMINATED OR DECREASED TO 2 INCHES OR LESS BY THE END OF EACH WORKDAY, CONES MAY BE USED DURING DAYLIGHT HOURS IN LIEU OF DRUMS, BARRICADES OR OTHER APPROVED PROTECTIVE DEVICES MENTIONED IN PARAGRAPH a, PROVIDED WARNING SIGNS ARE ERECTED. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

   c. WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE THROUGH TRAFFIC LANE AND THE SHOULDER AND THE ELEVATION DIFFERENCE IS LESS THAN 3 INCHES, THE CONTRACTOR MAY USE WARNING SIGNS AND/OR PROTECTIVE DEVICES AS APPLICABLE AND APPROVED BY THE ENGINEER. SEE PARAGRAPH a REGARDING USE OF DRUMS, BARRICADES OR OTHER APPROVED PROTECTIVE DEVICES. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) WILL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

   IN THESE SITUATIONS, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 2 MILES IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

3. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 6 INCHES BUT NOT EXCEEDING 18 INCHES, THE CONTRACTOR, WITH THE ENGINEER'S APPROVAL, MAY UTILIZE ONE OF THE FOLLOWING:

   a. THE CONTRACTOR SHALL ACCOMPLISH SEPARATION BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

      (1) WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

      (2) WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

   IN ORDER TO USE THIS METHOD, THE CONTRACTOR MUST REDUCE THE DIFFERENCE IN ELEVATION TO 6 INCHES OR LESS BY THE END OF THE WORKDAY THAT THE CONDITION IS CREATED.

   b. THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH a, AND CONSTRUCT A STONE WEDGE WITH A 4:1 SLOPE, OR FLATTER, TO ELIMINATE THE VERTICAL OFFSET IF THE LOWER ELEVATION IS AT OR BELOW SUBGRADE AT THE END OF EACH DAY.

   c. THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH a AND IF THE LOWER ELEVATION IS BASE STONE OR ASPHALT PAVEMENT, PLACEMENT OF SUBSEQUENT LAYERS OF PAVEMENT MUST BEGIN THE NEXT WORK DAY AND PROGRESS CONTINUOUSLY UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED OR REDUCED TO SIX INCHES OR LESS.

   d. THE CONTRACTOR SHALL PROVIDE SEPARATION BY PORTABLE BARRIER RAIL.

   FOR PRECEDING CONDITIONS a, b, AND c, THE CONTRACTOR SHALL USE THE SHOULDER DROP-OFF WARNING SIGN WITH PLAQUE (W8-17 AND W8-17P). IT SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN THE SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. IN THESE SITUATIONS, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 1 MILE IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

4. FOR DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 18 INCHES.

   SEPARATION WILL BE PROVIDED BY USE OF PORTABLE BARRIER RAIL.

   IN THIS SITUATION THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 1 MILE IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

B. IF THE DIFFERENCE IN ELEVATION IS WITHIN 30 FEET OF THE NEAREST TRAFFIC LANE BEING USED BY TRAFFIC CAUSED BY GRADING, EXCAVATION FOR UTILITIES, DRAINAGE STRUCTURES, UNDERCUTTING, ETC.:

1. IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 3/4 INCH AND NOT EXCEEDING 2 INCHES.

   a. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

2. IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 2 INCHES AND NOT EXCEEDING 6 INCHES:

   a. SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

      (1) WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

      (2) WHERE POSTED SPEEDS ARE LESS THAN 50 MPH THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

3. IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 6 INCHES:

   a. SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

      (1) WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

      (2) WHERE POSTED SPEEDS ARE LESS THAN 50 MPH THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

   b. ELIMINATE VERTICAL OFFSET BY CONSTRUCTING A STONE WEDGE OR GRADING TO A 4:1 SLOPE, OR FLATTER, OR USE PORTABLE BARRIER RAIL.

   THE CONTRACTOR SHALL SCHEDULE THE WORK SO AS TO MINIMIZE THE TIME TRAFFIC IS EXPOSED TO AN ELEVATION DIFFERENCE. ONCE THE CONTRACTOR BEGINS AN ACTIVITY THAT CREATES AN ELEVATION DIFFERENCE WITHIN 8 FEET OF A TRAFFIC LANE, THE ACTIVITY SHALL BE PURSUED AS A CONTINUOUS OPERATION UNTIL THE ELEVATION DIFFERENCE IS ELIMINATED.

C. IF THE DIFFERENCE IN ELEVATION IS FARTHER THAN 8 FEET FROM THE NEAREST TRAFFIC LANE BUT NOT MORE THAN 30 FEET FROM THE NEAREST TRAFFIC LANE:

SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

1. WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

2. WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

THE CONTRACTOR SHALL SCHEDULE THE WORK SO AS TO MINIMIZE THE TIME TRAFFIC IS EXPOSED TO AN ELEVATION DIFFERENCE. ONCE THE CONTRACTOR BEGINS AN ACTIVITY THAT CREATES AN ELEVATION DIFFERENCE, THE ACTIVITY SHALL BE PURSUED AS A CONTINUOUS OPERATION UNTIL THE ELEVATION DIFFERENCE IS ELIMINATED.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-1

R.O.W.

PLANS

SEALED BY

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PAVEMENT EDGE DROP-OFF NOTES FOR TRAFFIC CONTROL

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-2

TABULATED TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-06	SIGNS (CONSTRUCTION)	S.F.	1,016
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	902
713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	2
716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	8
716-05.02	PAINTED PAVEMENT MARKING (8" BARRIER LINE)	L.F.	47,121
716-05.05	PAINTED PAVEMENT MARKING (STOP LINE)	L.F.	1,181

SIGNS (CONSTRUCTION) (712-06)

SIGN	DESCRIPTION	SIZE	EACH	S.F.
G20-2	END ROAD WORK	36" X 18"	20	90
R2-1	SPEED LIMIT 30	30" X 36"	18	135
TN-64	GROOVED PAVEMENT	48" X 48"	23	368
W8-11	UNEVEN LANES	36" X 36"	7	63
W8-17	SHOULDER DROP-OFF	36" X 36"	6	54
W8-17P	SHOULDER DROP-OFF	24" X 18"	6	18
W20-1	ROAD WORK AHEAD	36" X 36"	20	180
W20-1	ROAD WORK 1500 FT.	36" X 36"	7	63
W20-1	ROAD WORK 1000 FT.	36" X 36"	3	27
W20-7	FLAGGER	36" X 36"	2	18
TOTAL				**1016**

TRAFFIC CONTROL NOTES

1. THE TRAFFIC CONTROL PLAN IS TO SERVE AS A GUIDE ONLY. THIS PLAN DOES NOT RELIEVE THE DESIGN-BUILDER OF THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE CURRENT EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND THE TDOT STANDARD DRAWINGS.
2. IF ADDITIONAL SIGNS ARE DEEMED NECESSARY DURING CONSTRUCTION, THE COST SHALL BE INCLUDED IN THE COST OF ITEM NO. 712-06 SIGNS (CONSTRUCTION).
3. NO TRAFFIC SHALL BE DETOURED OR ROADWAY CLOSED, ABANDONED, OR REMOVED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.
4. ADVANCE WARNING SIGNS ARE TO BE PLACED PRIOR TO BEGINNING OF CONSTRUCTION AND REMAIN IN PLACE UNTIL THE COMPLETION OF THIS PROJECT.
5. SEE THE CURRENT EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", THE TDOT SUPPLEMENT TO "STANDARD HIGHWAY SIGNS", AND THE CONSTRUCTION WORK ZONE AND TRAFFIC CONTROL GENERAL NOTES FOR TRAFFIC DETAILS NOT SHOWN.
6. CONTRACTOR IS TO COVER ALL CONFLICTING SIGNS DURING CONSTRUCTION. COVERINGS SHALL BE REMOVED AT COMPLETION OF CONSTRUCTION. COST ASSOCIATED WITH COVERING AND UNCOVERING SIGNS TO BE INCLUDED IN ITEM 712-06, SIGNS (CONSTRUCTION).
7. THE CONTRACTOR IS TO COORDINATE ALL LANE CLOSURES WITH THE TDOT REGIONAL OFFICE AND THE CITY ENGINEER.
8. IF INGRESS/EGRESS IS REQUIRED FOR PRIVATE ENTRANCE, THE CONTRACTOR SHALL USE A FLAGMAN TO DIRECT ANY TRAFFIC FOR THE PRIVATE ENTRANCE. ALL COST FOR THE FLAGMAN SHALL BE INCLUDED IN THE COST OF ITEM NO. 712-01, TRAFFIC CONTROL, (LS).
9. ALL EXISTING EMERGENCY REFERENCE MARKERS, HOSPITAL SIGNS, AND TOURIST ORIENTED DIRECTIONAL SIGNS SHALL BE MAINTAINED WITHIN FULL VIEW OF THE MOTORING PUBLIC THROUGHOUT ALL PHASES OF CONSTRUCTION.
10. THE CONTRACTOR SHALL NOTIFY THE CITY OF FRANKLIN TRAFFIC OPERATIONS CENTER (TOC) AT 615-550-6675 AND BY EMAIL TOCMAIL@FRANKLINTN.GOV AT LEAST THREE (3) BUSINESS DAYS PRIOR TO ANY CHANGE IN TRAFFIC CONTROL.

R.O.W.

PLANS

SEALED BY

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL NOTES, LEGEND, & TABULATION

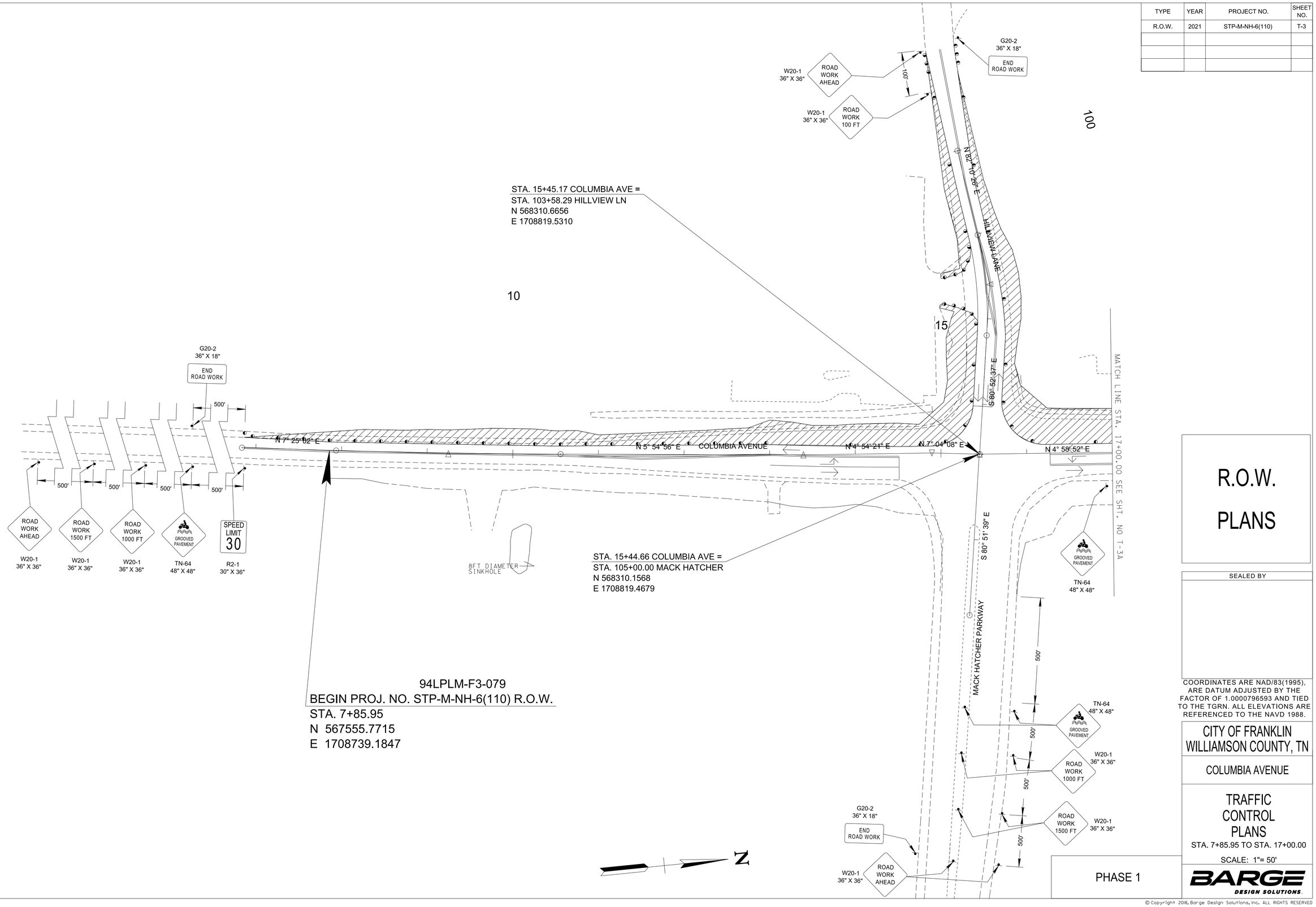
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-3



R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL PLANS

STA. 7+85.95 TO STA. 17+00.00

SCALE: 1"= 50'

PHASE 1

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-3A

STA. 22+98.48 COLUMBIA AVE =
STA. 111+38.32 SHOPPING CENTER
N 569059.5092
E 1708900.1952

STA. 28+47.88 COLUMBIA AVE =
STA. 126+29.60 SHADOW GREEN DR
N 569605.0124
E 1708965.5358

STA. 26+19.63 COLUMBIA AVE =
STA. 121+44.10 PRIVATE RD(1)
N 569378.3802
E 1708938.3897

STA. 28+52.24 COLUMBIA AVE =
STA. 130+00.00 SOUTHEAST PKWY
N 569609.3436
E 1708966.0497

WIDOW WEELY BRANCH

W20-1 36" X 36" ROAD WORK AHEAD

G20-2 36" X 18" END ROAD WORK

R2-1 30" X 36" SPEED LIMIT 30

SHOPPING CENTER

S 82° 48' 26" E

PRIVATE ROAD(1)

S 88° 10' 11" E

SHADOW GREEN DRIVE

S 83° 32' 36" E

COLUMBIA AVENUE

N 4° 58' 52" E

N 7° 13' 34" E

20 | 110 | 25 | 125 | 30

MATCH LINE STA. 17+00.00 SEE SHT. NO T-3

MATCH LINE STA. 30+00.00 SEE SHT. NO T-3B

SOUTHEAST PARKWAY

S 82° 04' 01" E

S 77° 54' 48" E

S 81° 38' 40" E

ROAD WORK 100 FT

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL PLANS

STA. 17+00.00 TO STA. 30+00.00

SCALE: 1"= 50'

PHASE 1

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-3B

W20-1
36" X 36"
ROAD WORK AHEAD

W20-1
36" X 36"
ROAD WORK 100 FT

100'

500'

END ROAD WORK
G20-2
36" X 18"

CENTURY COURT

S 82° 07' 37" E

140

SAW MILL CREEK

TN-64
48" X 48"
GROOVED PAVEMENT

STA. 35+33.81 COLUMBIA AVE =
STA. 135+00.00 ALPHA DR
N 570286.0805
E 1709047.1144

35

R2-1
30" X 36"
SPEED LIMIT 30

30

40

COLUMBIA AVENUE

N 6° 49' 49" E

N 83° 27' 24" E

N 7° 29' 27" E

MATCH LINE STA. 30+00.00 SEE SHT. NO T-3A

MATCH LINE STA. 43+00.00 SEE SHT. NO T-3C

GROOVED PAVEMENT
TN-64
48" X 48"

SAW MILL CREEK

S 83° 32' 36" E

ALPHA DRIVE

SPEED LIMIT 30
R2-1
30" X 36"

ROAD WORK 100 FT
W20-1
36" X 36"

ROAD WORK AHEAD
W20-1
36" X 36"

END ROAD WORK
G20-2
36" X 18"

STA. 38+34.45 COLUMBIA AVE =
STA. 142+60.53 CENTURY CT
N 570584.5798
E 1709082.8688

N

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL PLANS

STA. 30+00.00 TO STA. 43+00.00

SCALE: 1"= 50'

PHASE 1

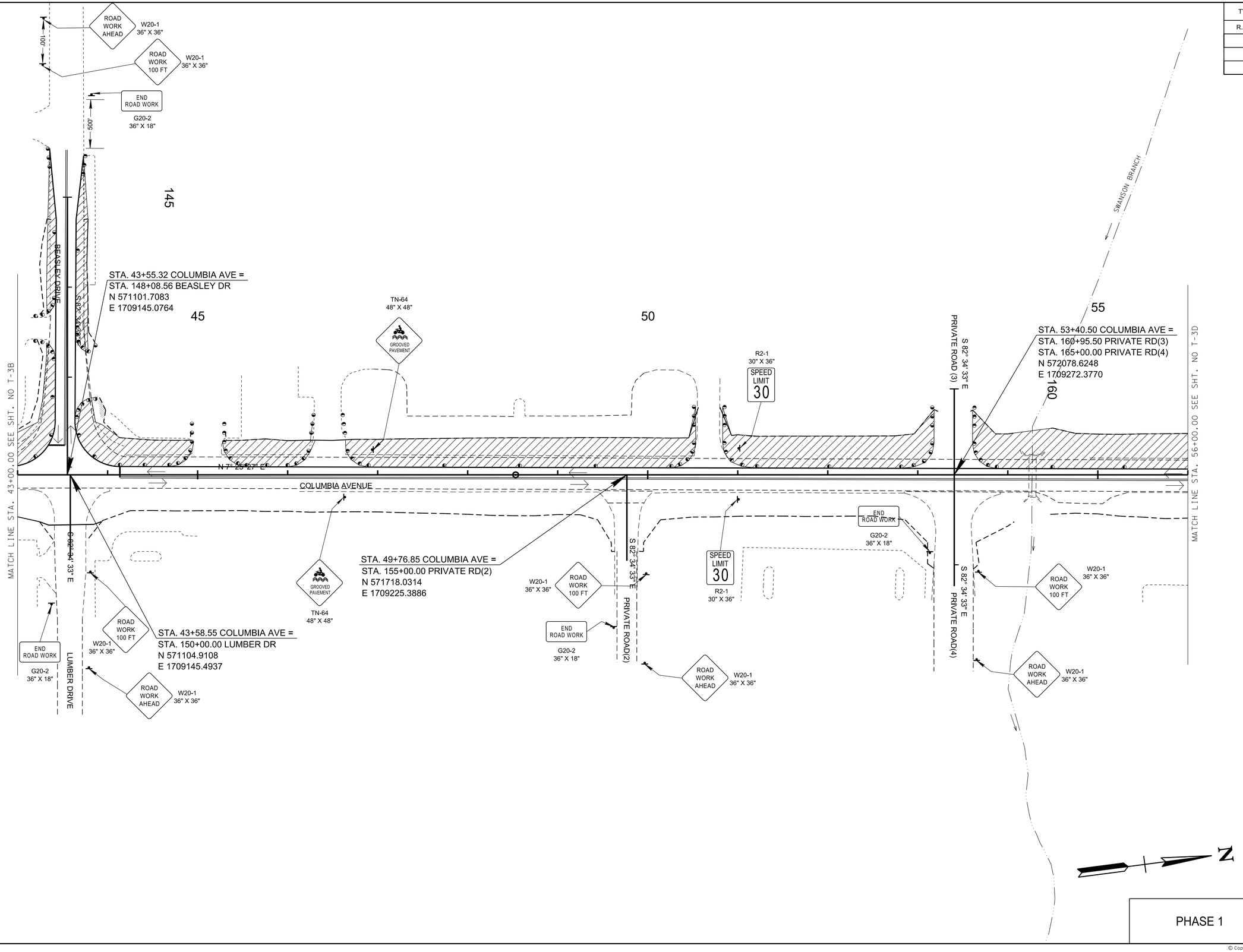
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-3C



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL PLANS

STA. 43+00.00 TO STA. 56+00.00

SCALE: 1"= 50'

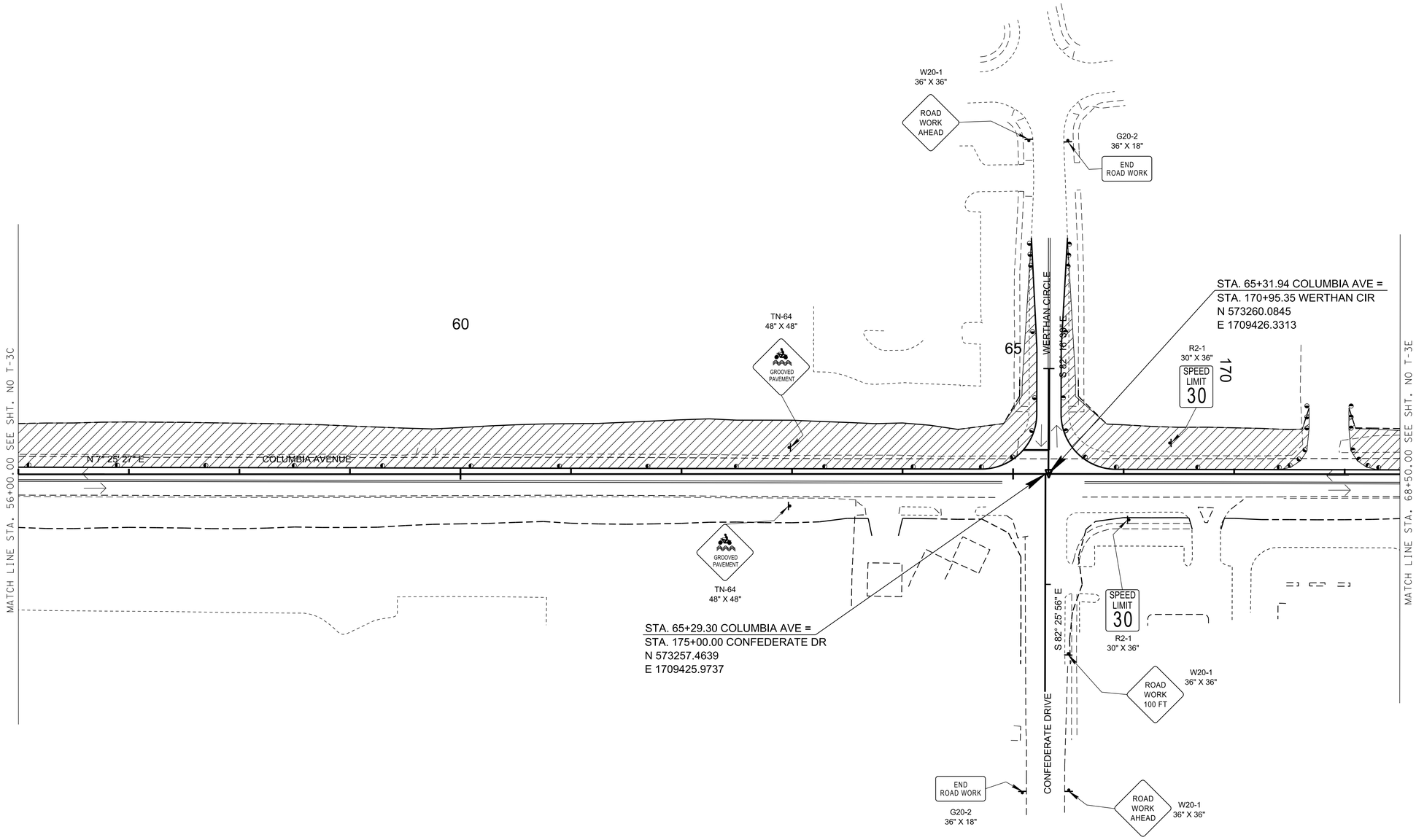
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-3D



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL PLANS

STA. 56+00.00 TO STA. 68+50.00

SCALE: 1"= 50'

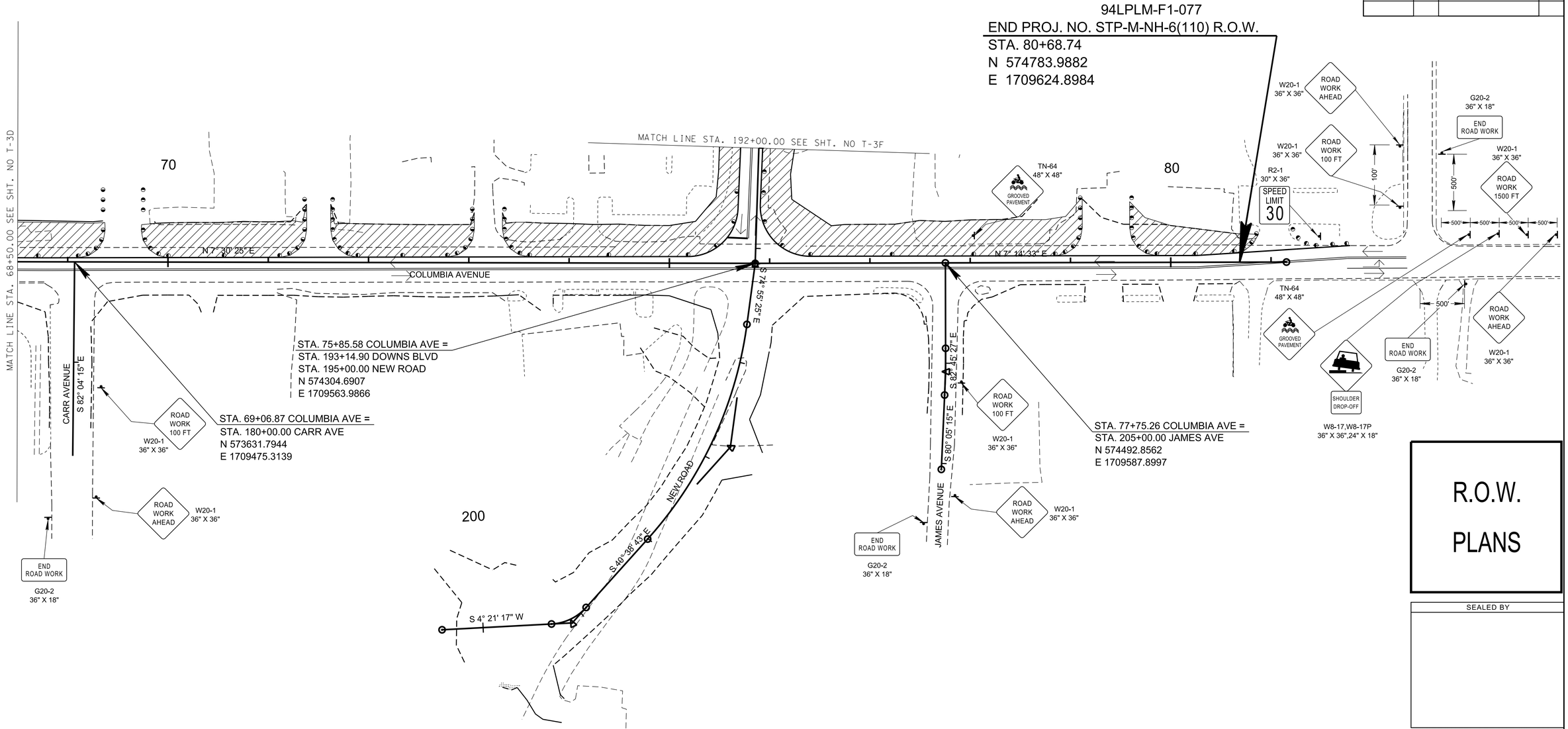
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-3E



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL PLANS

STA. 68+50.00 TO STA. 80+68.74

SCALE: 1"= 50'

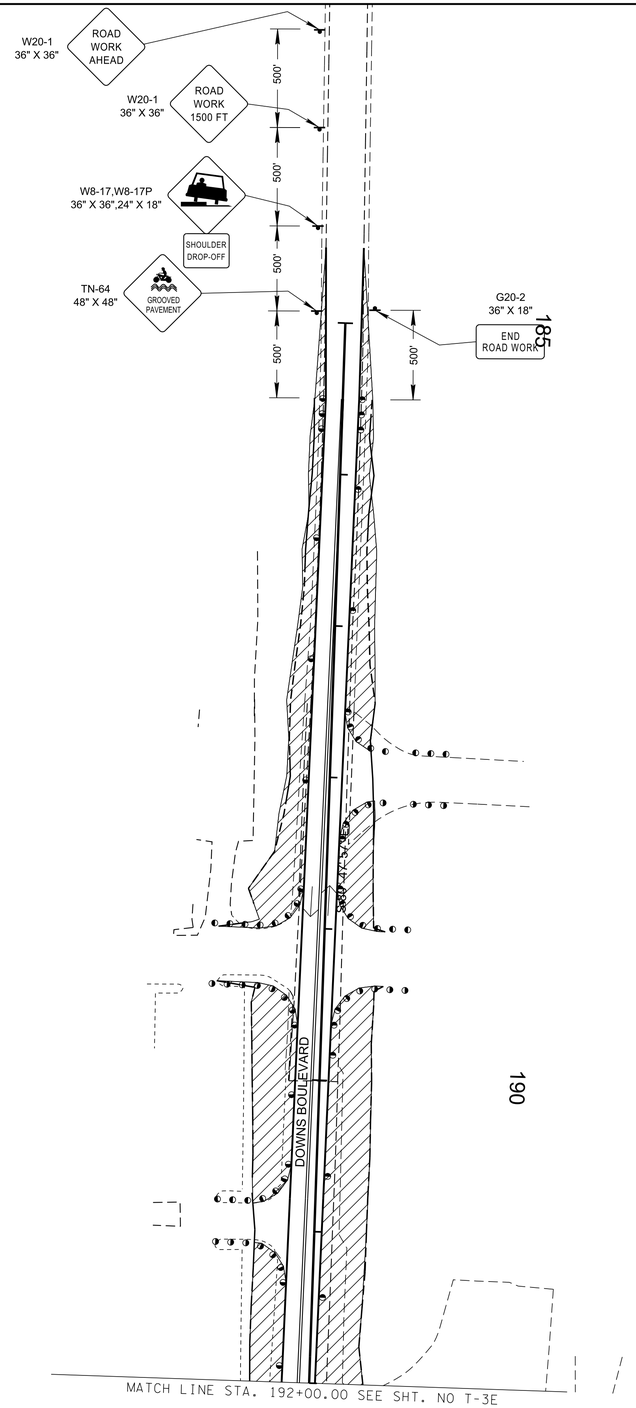
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-3F

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL PLANS

STA. 185+50.00 TO STA. 192+00.00

SCALE: 1"= 50'

PHASE 1

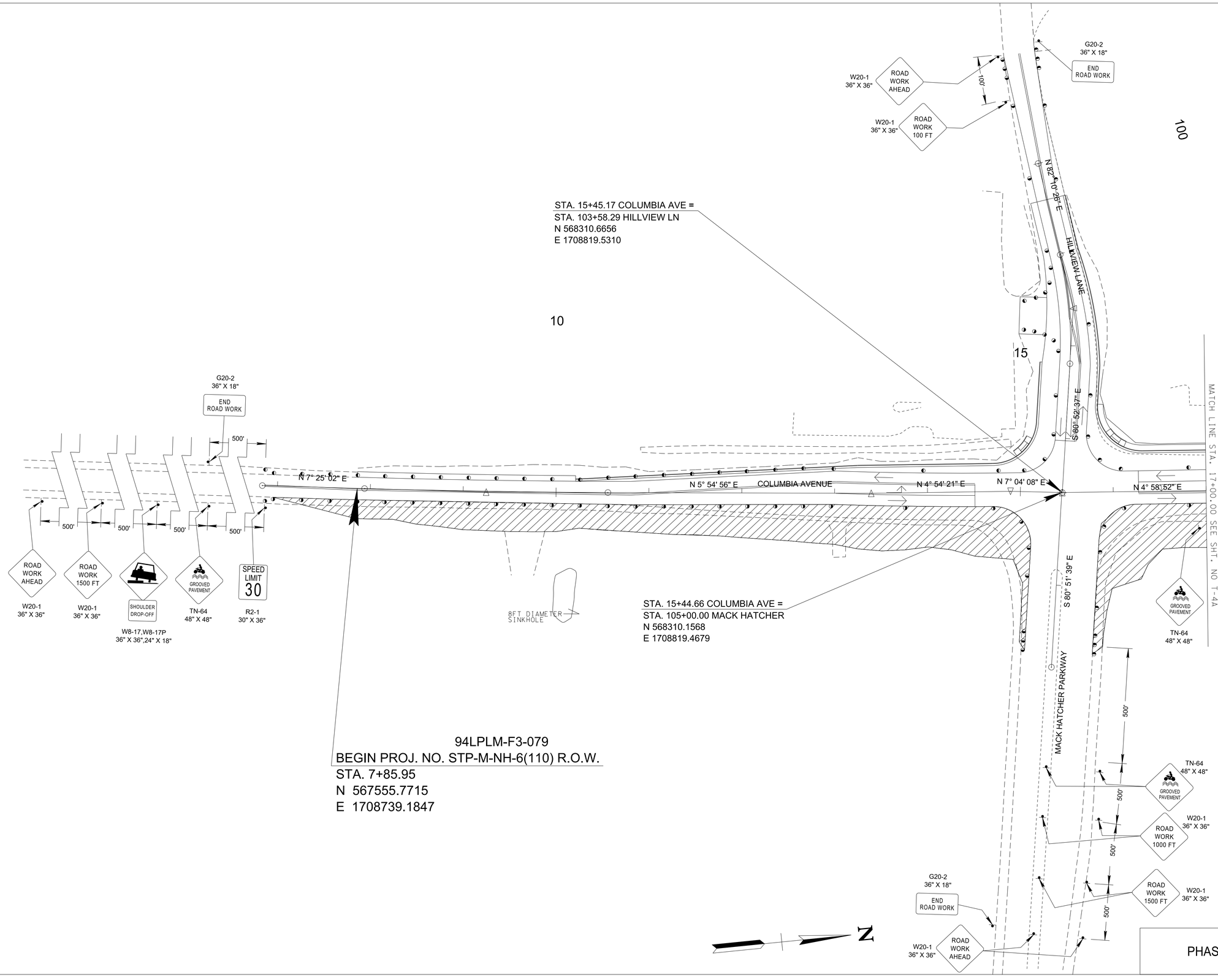
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-4



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL PLANS

STA. 7+85.95 TO STA. 17+00.00

SCALE: 1"= 50'

PHASE 2

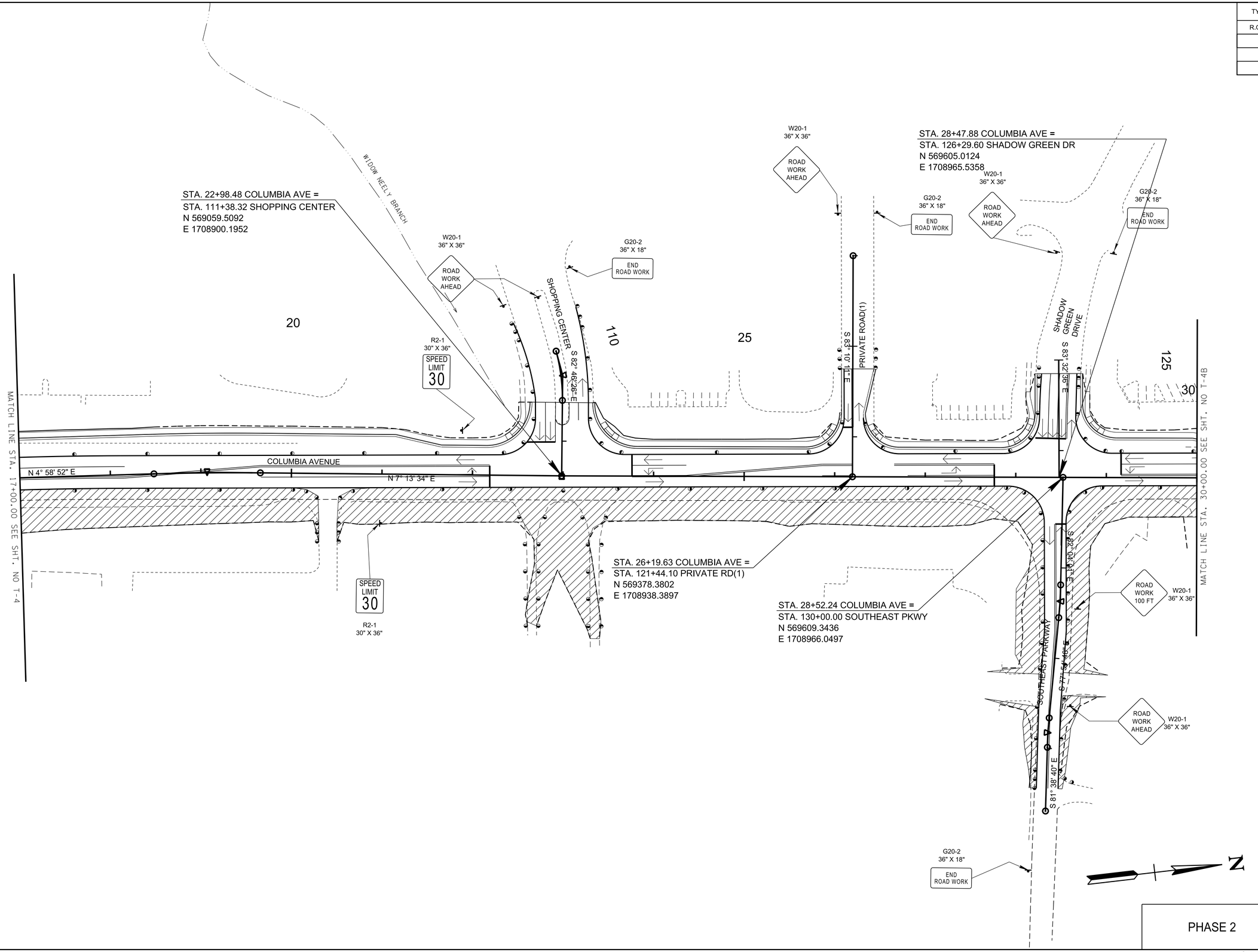
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-4A



R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL PLANS

STA. 17+00.00 TO STA. 30+00.00

SCALE: 1"= 50'

PHASE 2

BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
$INSTR$
$USER$
TBL
DGN

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-4B

W20-1
36" X 36"
ROAD WORK AHEAD

W20-1
36" X 36"
ROAD WORK 100 FT

100'

500'

END ROAD WORK
G20-2
36" X 18"

CENTURY COURT

140

S 82° 07' 37" E

SAW MILL CREEK

TN-64
48" X 48"
GROOVED PAVEMENT

STA. 35+33.81 COLUMBIA AVE =
STA. 135+00.00 ALPHA DR
N 570286.0805
E 1709047.1144

R2-1
30" X 36"
SPEED LIMIT 30

30

35

40

COLUMBIA AVENUE

N 6° 49' 49" E

N 6° 27' 24" E

N 7° 25' 27" E

MATCH LINE STA. 30+00.00 SEE SHT. NO T-4A

MATCH LINE STA. 43+00.00 SEE SHT. NO T-4C

S 83° 32' 36" E

ALPHA DRIVE

SPEED LIMIT 30
R2-1
30" X 36"

ROAD WORK 100 FT
W20-1
36" X 36"

ROAD WORK AHEAD
W20-1
36" X 36"

GROOVED PAVEMENT
TN-64
48" X 48"

SAW MILL CREEK

END ROAD WORK
G20-2
36" X 18"

STA. 38+34.45 COLUMBIA AVE =
STA. 142+60.53 CENTURY CT
N 570584.5798
E 1709082.8688

N

R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL PLANS

STA. 30+00.00 TO STA. 43+00.00

SCALE: 1"= 50'

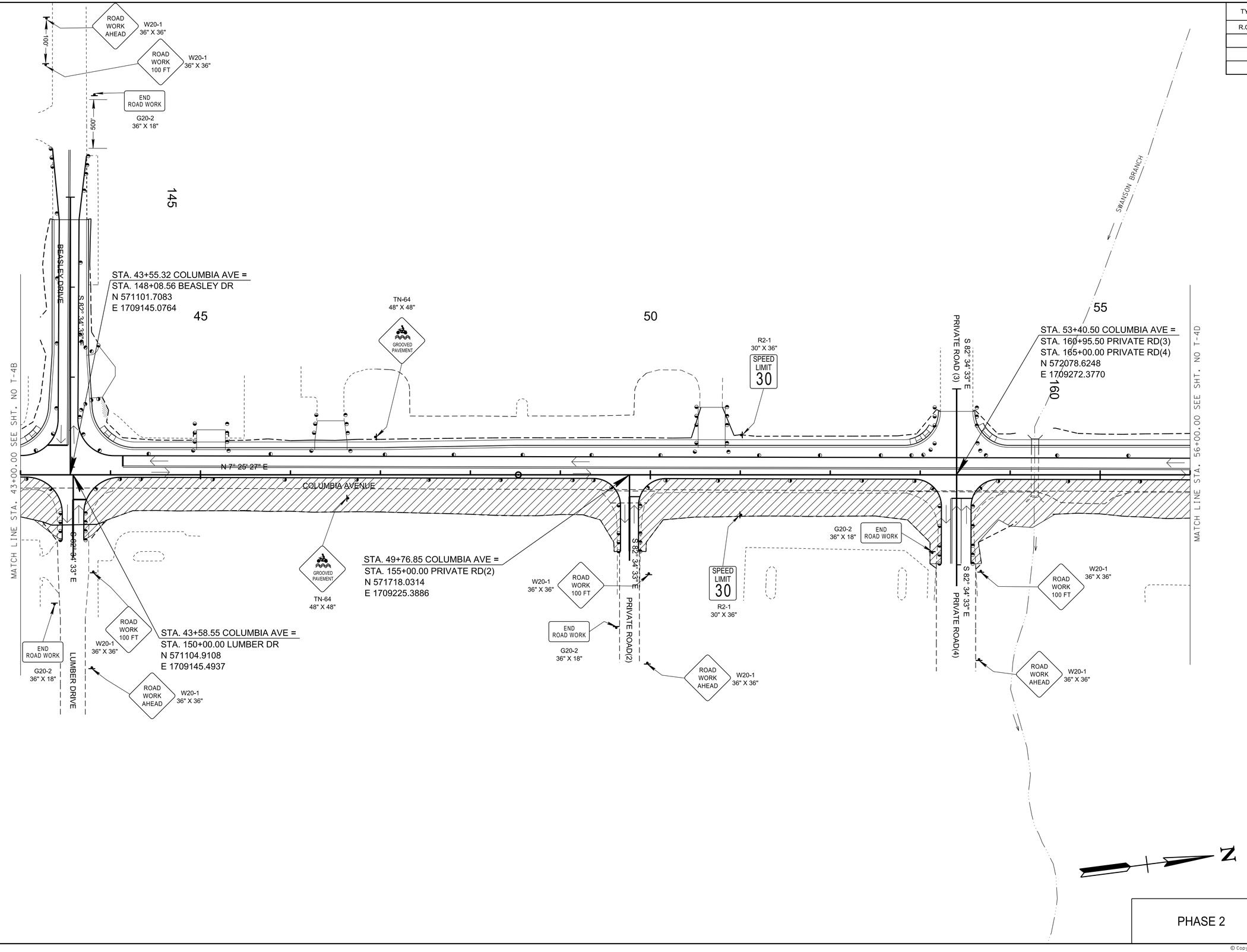
PHASE 2

BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
$INSTR$
$USER$
TBL
DGN

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-4C



R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL PLANS

STA. 43+00.00 TO STA. 56+00.00

SCALE: 1"= 50'

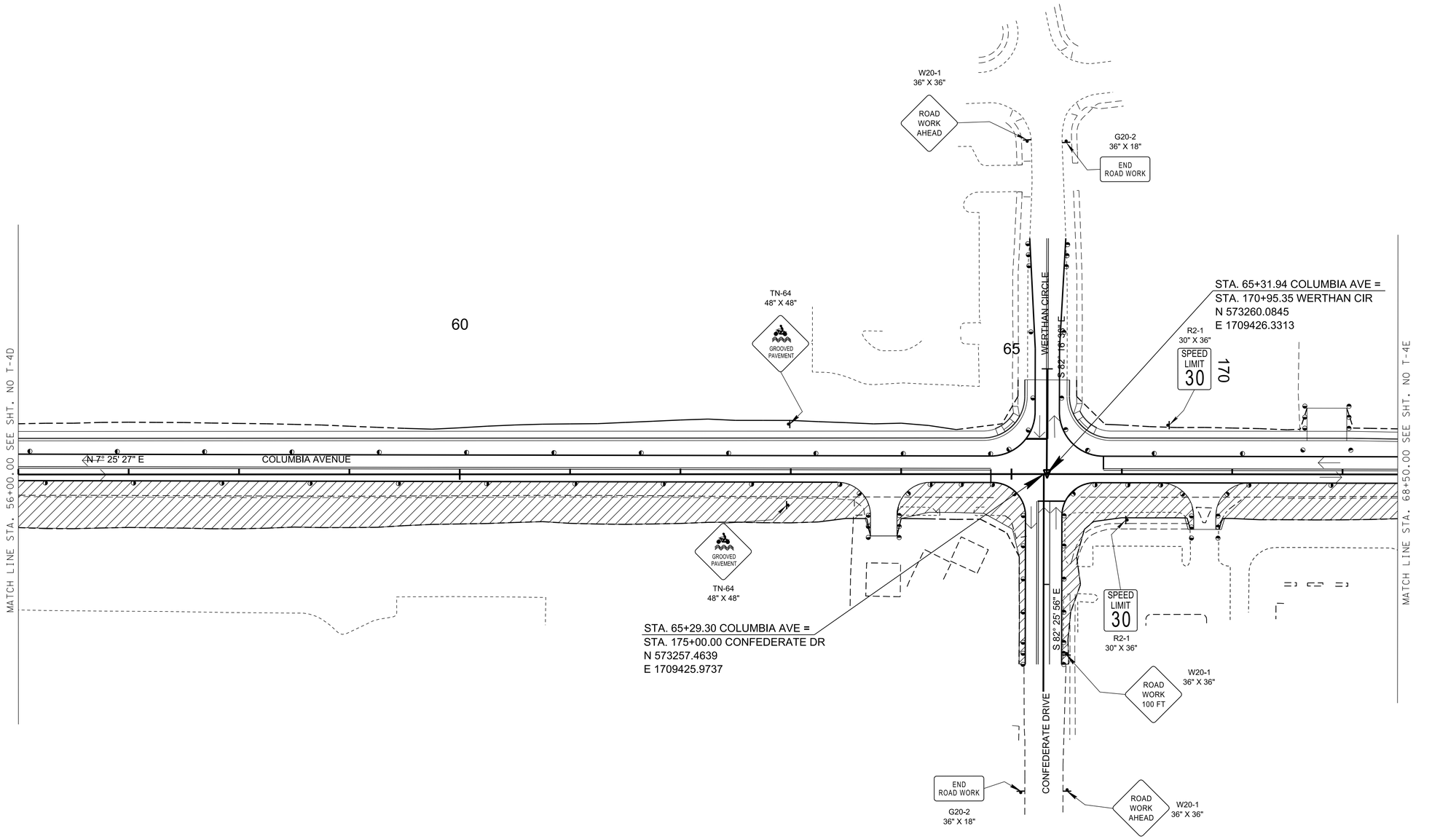
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-4D



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL PLANS

STA. 56+00.00 TO STA. 68+50.00

SCALE: 1"= 50'

PHASE 2

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-4E

94LPLM-F1-077
END PROJ. NO. STP-M-NH-6(110) R.O.W.
STA. 80+68.74
N 574783.9882
E 1709624.8984

MATCH LINE STA. 68+50.00 SEE SHT. NO T-4D

MATCH LINE STA. 192+00.00 SEE SHT. NO T-4F

70

80

200

N 7° 30' 25" E

N 7° 14' 33" E

COLUMBIA AVENUE

CARR AVENUE

S 82° 04' 15" E

JAMES AVENUE

S 80° 05' 15" E

S 80° 05' 15" E

S 30° 08' 43" E

S 4° 21' 17" W

NEW ROAD

STA. 75+85.58 COLUMBIA AVE =
STA. 193+14.90 DOWNS BLVD
STA. 195+00.00 NEW ROAD
N 574304.6907
E 1709563.9866

STA. 69+06.87 COLUMBIA AVE =
STA. 180+00.00 CARR AVE
N 573631.7944
E 1709475.3139

STA. 77+75.26 COLUMBIA AVE =
STA. 205+00.00 JAMES AVE
N 574492.8562
E 1709587.8997

ROAD WORK 100 FT
W20-1 36" X 36"

ROAD WORK AHEAD
W20-1 36" X 36"

END ROAD WORK
G20-2 36" X 18"

TN-64 48" X 48"
GROOVED PAVEMENT

R2-1 30" X 36"
SPEED LIMIT 30

100'

500'

ROAD WORK 1500 FT
W20-1 36" X 36"

500' 500' 500' 500'

600'

SHOULDER DROP-OFF
W8-17,W8-17P 36" X 36",24" X 18"

R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL PLANS

STA. 68+50.00 TO STA. 80+68.74

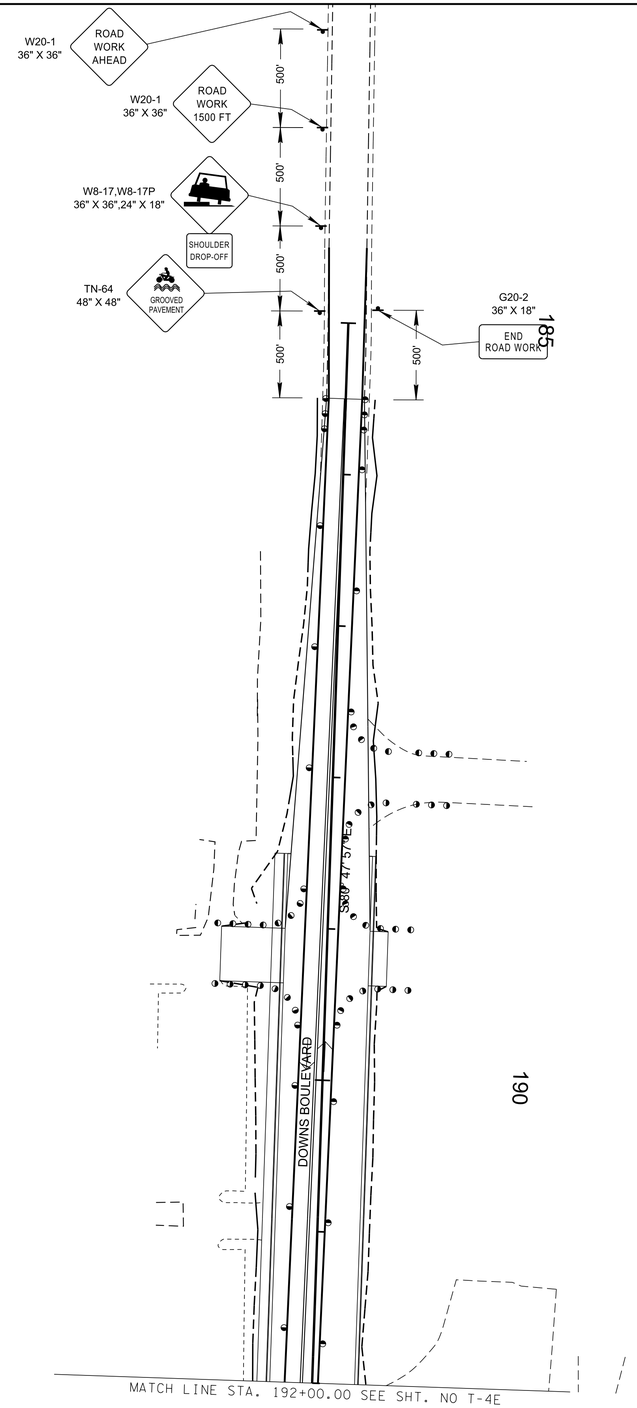
SCALE: 1"= 50'

PHASE 2

BARGE DESIGN SOLUTIONS

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$USER$
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-4F

R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL PLANS

STA. 185+50.00 TO STA. 192+00.00

SCALE: 1"= 50'

PHASE 2

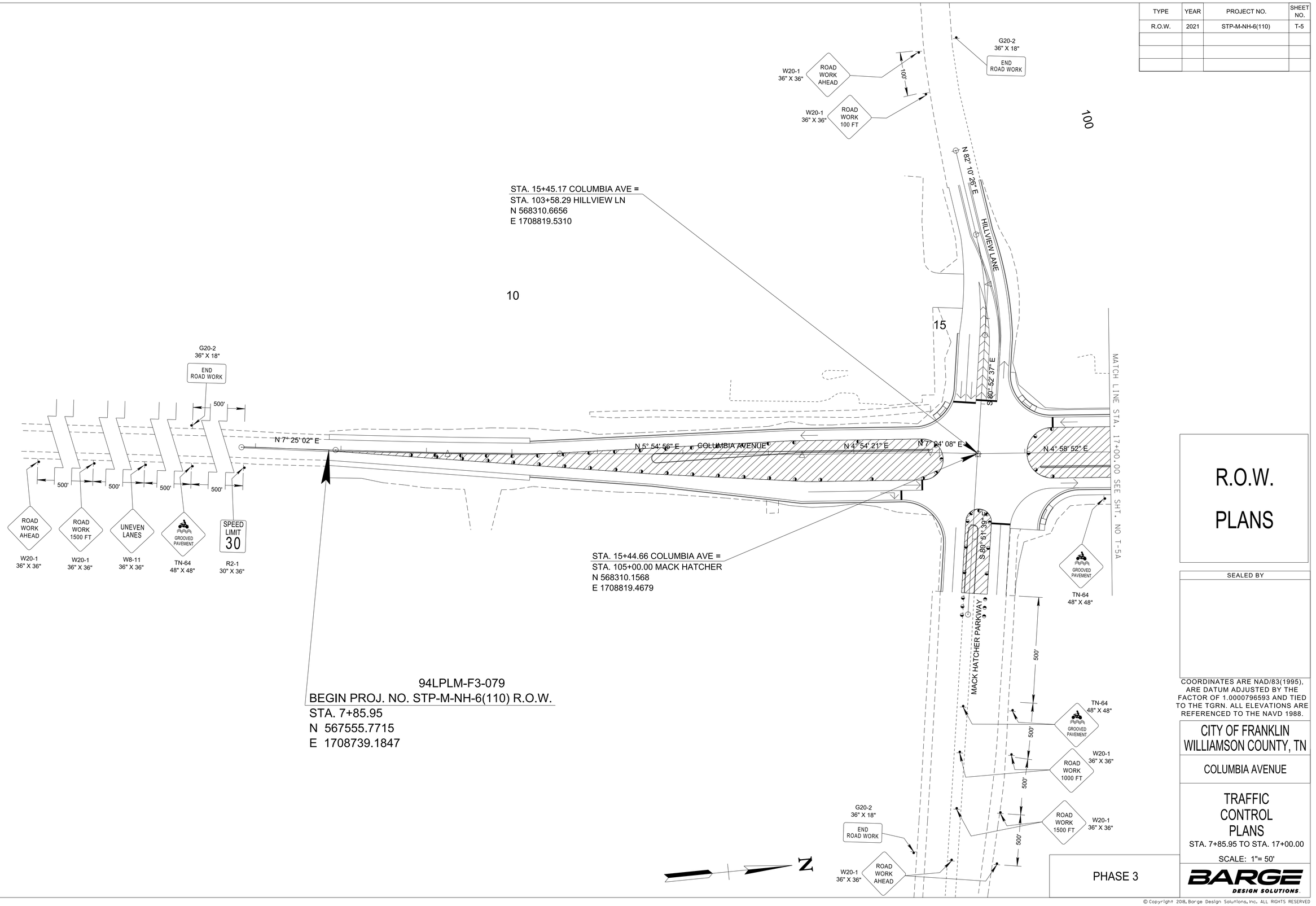
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-5



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL PLANS

STA. 7+85.95 TO STA. 17+00.00

SCALE: 1"= 50'

PHASE 3

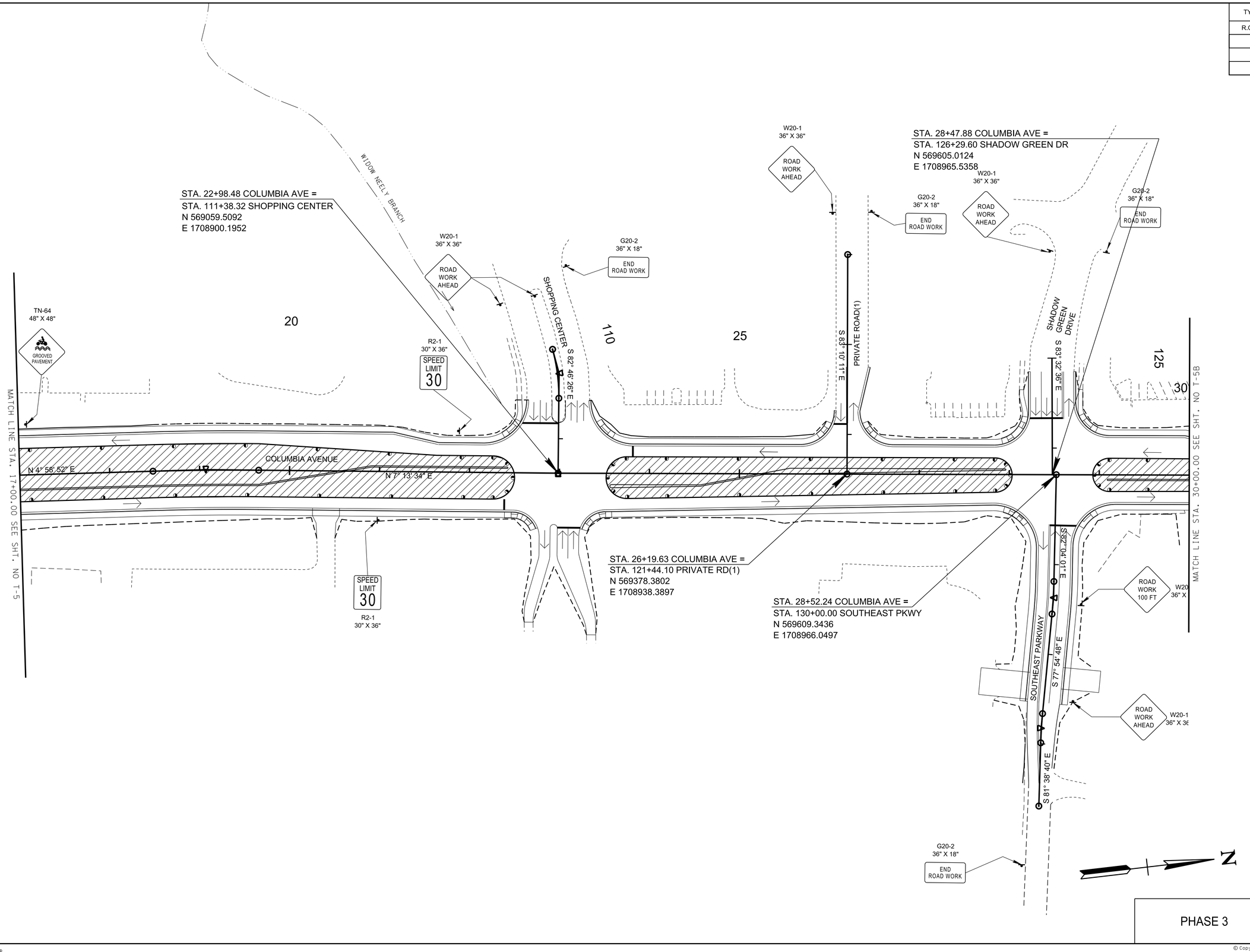
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$INSTR$
$USER$
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-5A



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL PLANS

STA. 17+00.00 TO STA. 30+00.00

SCALE: 1"= 50'

PHASE 3

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-5B

W20-1 36" X 36" ROAD WORK AHEAD

W20-1 36" X 36" ROAD WORK 100 FT

100'

500'

END ROAD WORK G20-2 36" X 18"

CENTURY COURT

140

S 82° 07' 37" E

SAW MILL CREEK

TN-64 48" X 48" GROOVED PAVEMENT

STA. 35+33.81 COLUMBIA AVE =
STA. 135+00.00 ALPHA DR
N 570286.0805
E 1709047.1144

R2-1 30" X 36" SPEED LIMIT 30

30

35

40

MATCH LINE STA. 30+00.00 SEE SHT. NO T-5A

MATCH LINE STA. 43+00.00 SEE SHT. NO T-5C

COLUMBIA AVENUE

N 6° 48' 49" E

N 6° 27' 24" E

N 7° 25' 27" E

S 83° 32' 36" E

ALPHA DRIVE

SPEED LIMIT 30 R2-1 30" X 36"

ROAD WORK 100 FT W20-1 36" X 36"

ROAD WORK AHEAD W20-1 36" X 36"

GROOVED PAVEMENT TN-64 48" X 48"

SAW MILL CREEK

END ROAD WORK G20-2 36" X 18"

STA. 38+34.45 COLUMBIA AVE =
STA. 142+60.53 CENTURY CT
N 570584.5798
E 1709082.8688

N

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL PLANS

STA. 30+00.00 TO STA. 43+00.00

SCALE: 1"= 50'

PHASE 3

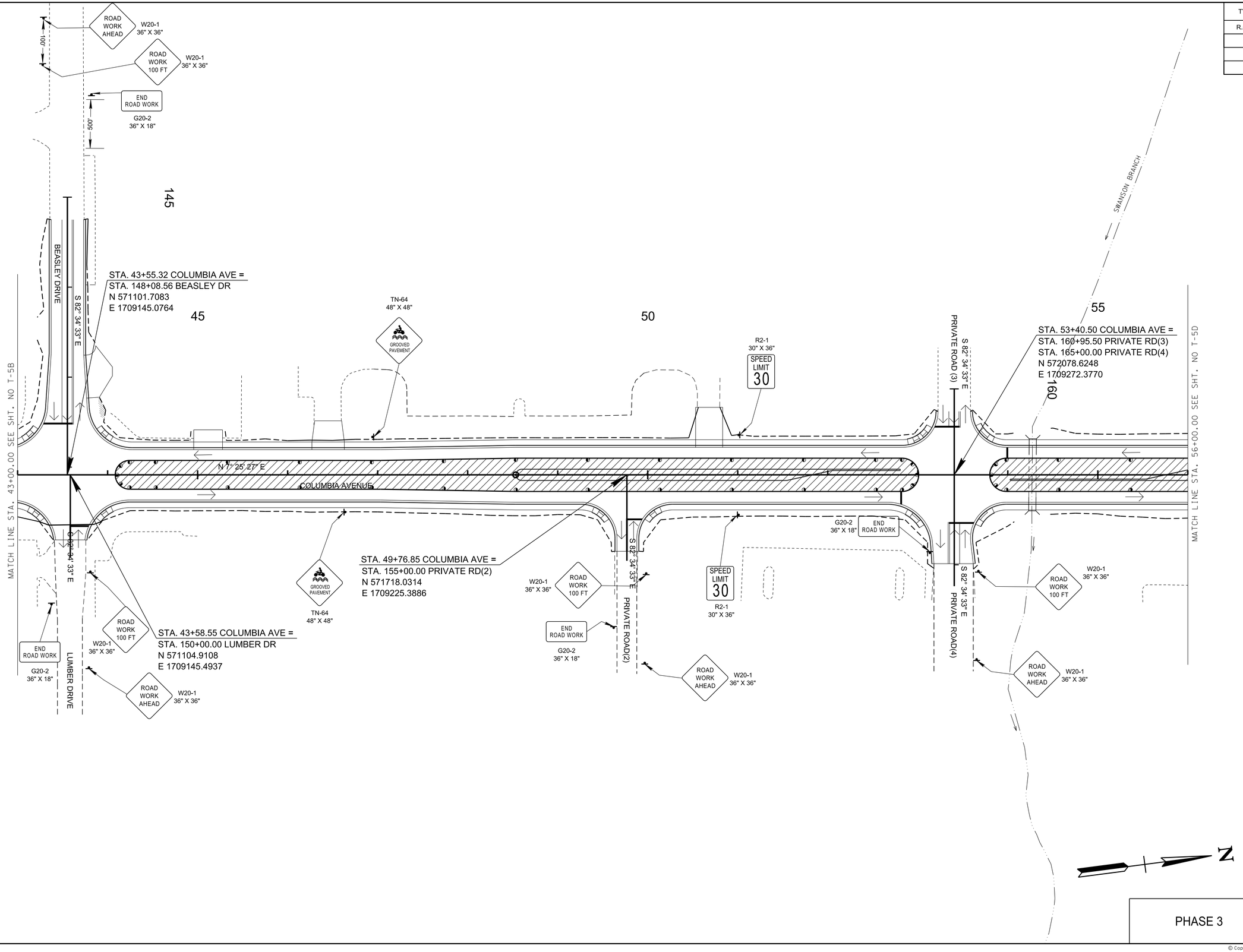
BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-5C



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL PLANS

STA. 43+00.00 TO STA. 56+00.00

SCALE: 1"= 50'

PHASE 3

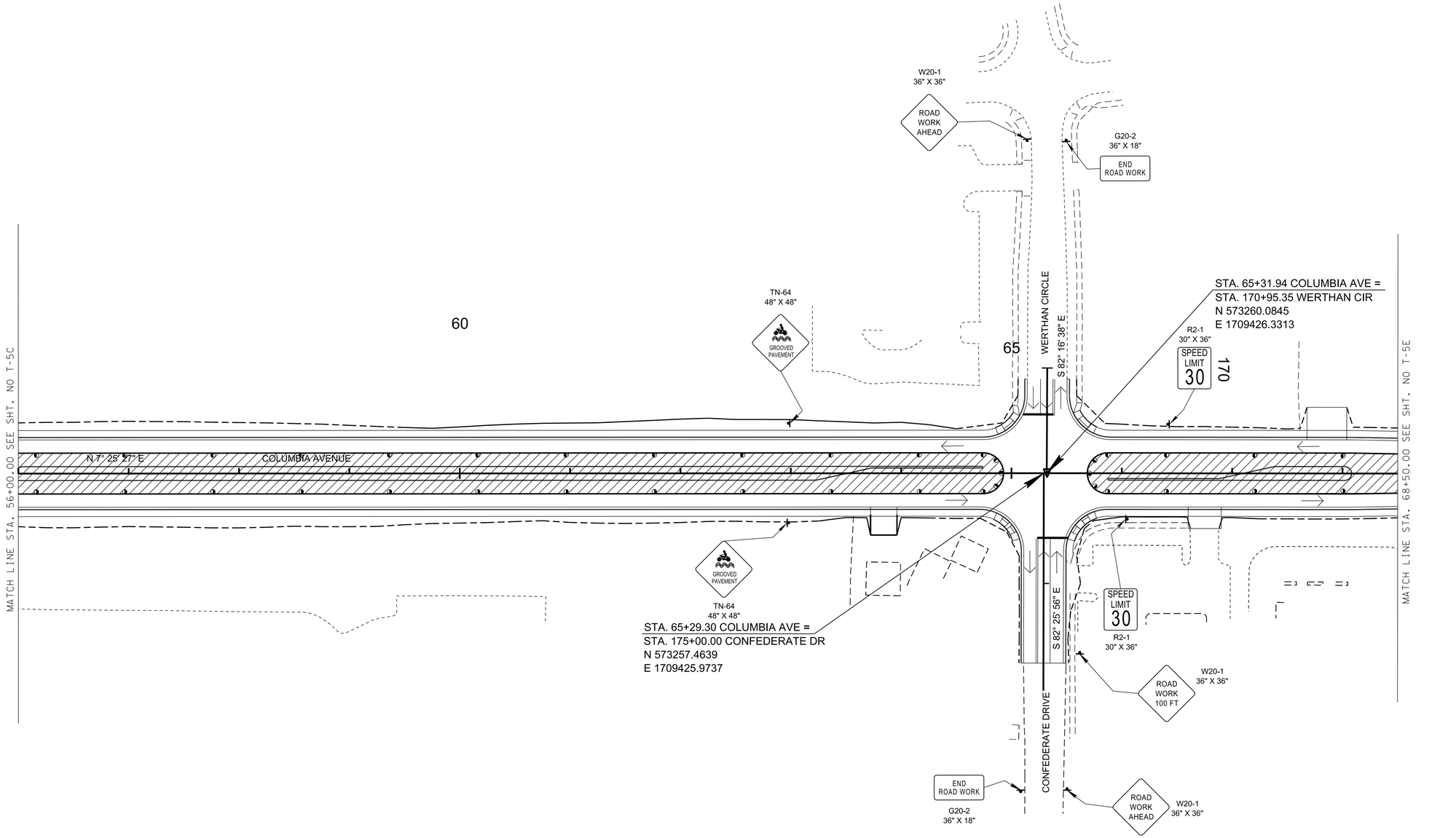
BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-5D



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL PLANS

STA. 56+00.00 TO STA. 68+50.00

SCALE: 1"= 50'

PHASE 3

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$USER$
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-5E

94LPLM-F1-077
END PROJ. NO. STP-M-NH-6(110) R.O.W.
STA. 80+68.74
N 574783.9882
E 1709624.8984

MATCH LINE STA. 68+50.00 SEE SHT. NO T-5D

MATCH LINE STA. 192+00.00 SEE SHT. NO T-5F

70

80

200

N 7° 30' 28" E

COLUMBIA AVENUE

N 7° 14' 33" E

S 74° 55' 52" E

CARR AVENUE

S 82° 04' 15" E

S 82° 45' 21" E

S 80° 05' 15" E

NEW ROAD

S 40° 38' 43" E

S 4° 21' 17" W

JAMES AVENUE

STA. 75+85.58 COLUMBIA AVE =
STA. 193+14.90 DOWNS BLVD
STA. 195+00.00 NEW ROAD
N 574304.6907
E 1709563.9866

STA. 69+06.87 COLUMBIA AVE =
STA. 180+00.00 CARR AVE
N 573631.7944
E 1709475.3139

STA. 77+75.26 COLUMBIA AVE =
STA. 205+00.00 JAMES AVE
N 574492.8562
E 1709587.8997

ROAD WORK 100 FT
W20-1
36" X 36"

ROAD WORK AHEAD
W20-1
36" X 36"

END ROAD WORK
G20-2
36" X 18"

TN-64
48" X 48"
GROOVED PAVEMENT

R2-1
30" X 36"
SPEED LIMIT 30

ROAD WORK 1500 FT
W20-1
36" X 36"

100'

500'

600'

SHOULDER DROP-OFF
W8-17,W8-17P
36" X 36",24" X 18"

R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL PLANS
STA. 68+50.00 TO STA. 80+68.74

SCALE: 1"= 50'

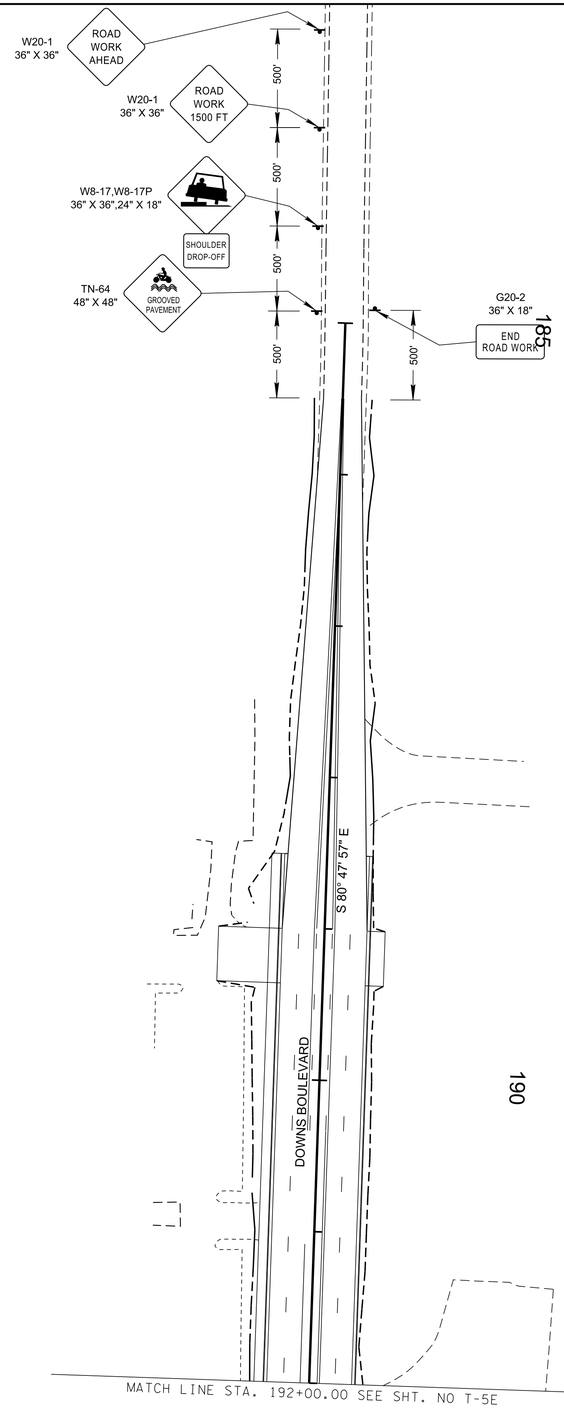
PHASE 3

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$INSTR$
$USER$
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	T-5F



94LPLM-F3-079
END PROJ. NO. STP-M-NH-6(110) PRELIM.
STA. 80+68.74
N 574783.9882
E 1709624.8984

N

R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

TRAFFIC CONTROL PLANS

STA. 185+50.00 TO STA. 192+00.00

SCALE: 1"= 50'

PHASE 3

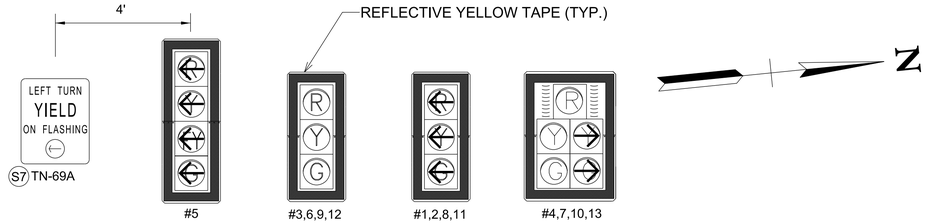
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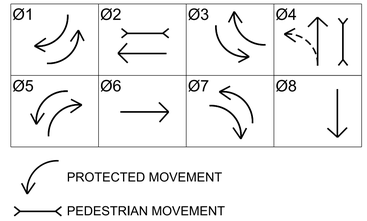
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$TIME$
$INSTR$
$USER$
TBL
DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	S1

SIGNAL HEAD DISPLAYS



PHASING DIAGRAM



INTERNALLY ILLUMINATED OVERHEAD STREET NAME SIGNS

S1 — VARIABLE — Columbia Ave — 24" TYP.

S2 — VARIABLE — ← Hillview Ln — 24" TYP.

S3 — VARIABLE — Hillview Ln → — 24" TYP.

S4 — VARIABLE — ← Mack Hatcher Pkwy — 24" TYP.

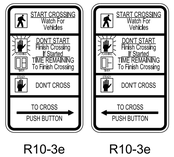
S5 — VARIABLE — Mack Hatcher Pkwy → — 24" TYP.

NOTE:
- 12" U.C. LETTERS (MINIMUM)
- 9" L.C. LETTERS (MINIMUM)
- HIGH INTENSITY REFLECTIVE SHEETING
- REFLECTIVE WHITE COPY
- GREEN BACKGROUND
- SIGNS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY

S6 — LEFT TURN SIGNAL — R10-10

PEDESTRIAN TRAFFIC SIGNS/PB/SIGNALS

NOTE: IN LOCATIONS WHERE PUSHBUTTONS ARE ON THE SAME POLE AN AUDIBLE WALK INDICATION FOR EACH SIGNAL SHALL BE A SPEECH WALK MESSAGE EX."BROADWAY. WALK SIGN IS ON TO CROSS BROADWAY."



R10-3e 9"x15" SIGN S6

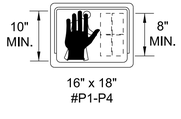
R10-3e 9"x15" SIGN S7





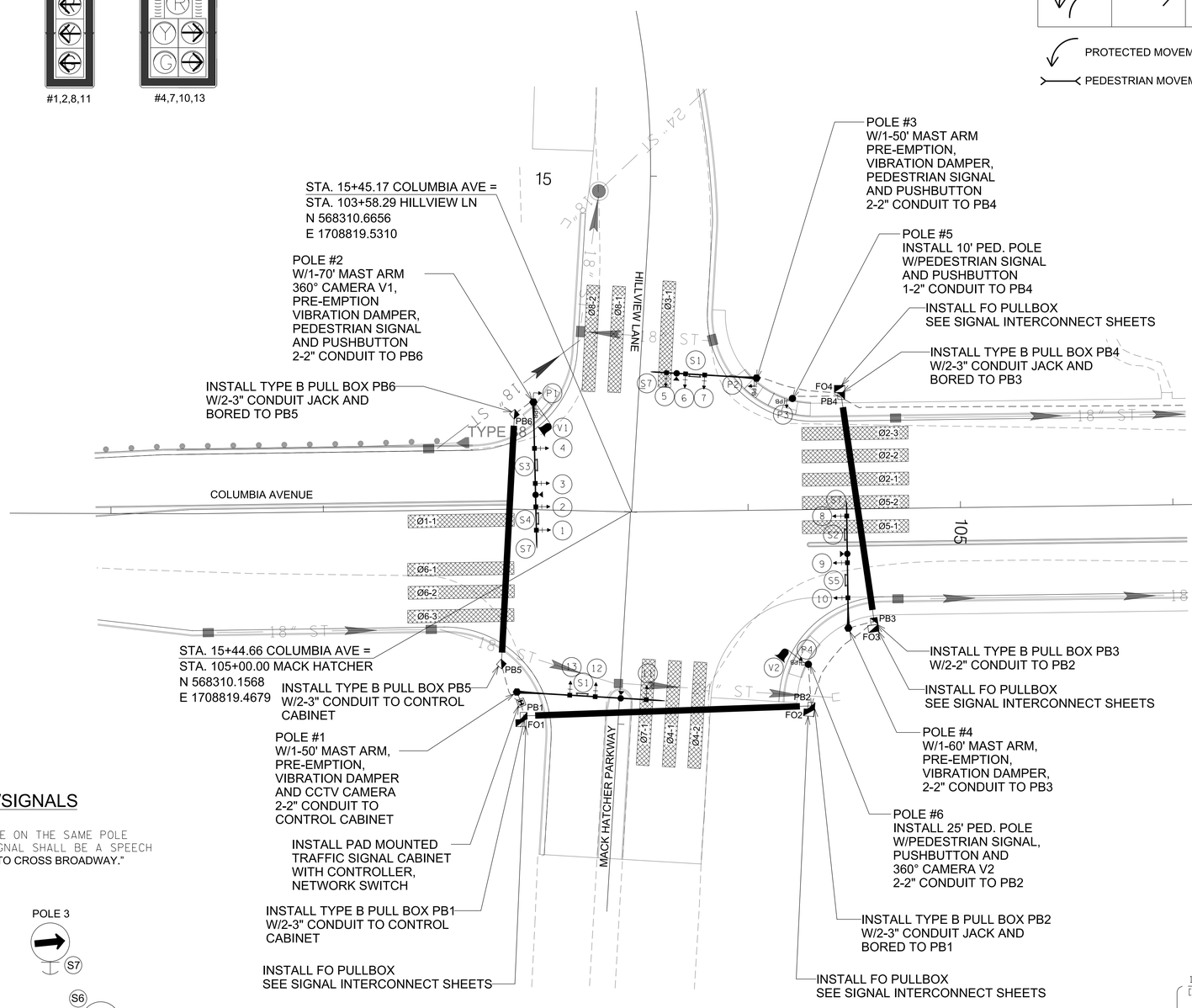


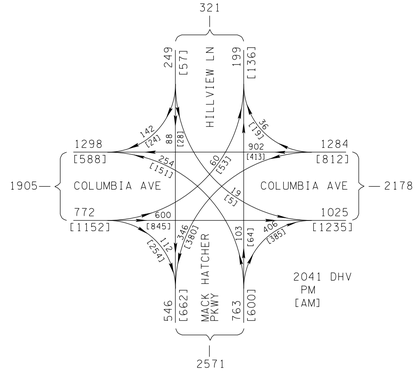




COUNTDOWN TYPE
L.E.D. PED WITH
OVERLAPPING, FULLY POPULATED
SOLID SYMBOLS

COLOR LEGEND
MAN - WHITE
HAND - PORTLAND ORANGE





R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNAL LAYOUT

COLUMBIA AVE. AT
MACK HATCHER BLVD.
SCALE: 1"= 30'

BARGE DESIGN SOLUTIONS

$DATE$ $TIME$ $INSTR$ $USER$ TBL

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	S2

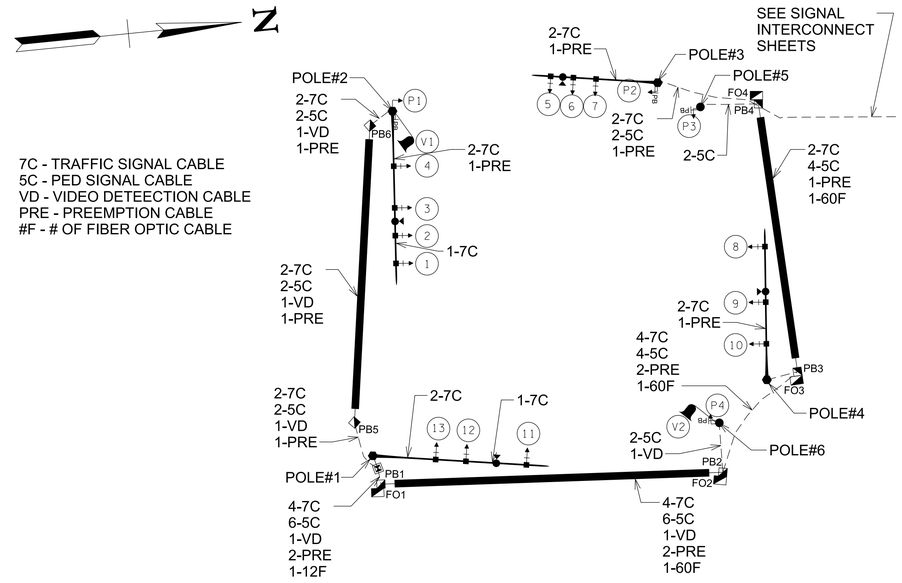
SIGNAL HEAD ASSIGNMENT

SIGNAL HEAD	PHASE(S)	FLASHING MODE
1	Ø5	R
2	Ø5	R
3	Ø2	Y
4	Ø2 & Ø3	Y & R
5	Ø7	R
6	Ø4	R
7	Ø4 & Ø5	R
8	Ø1	R
9	Ø6	Y
10	Ø6 & Ø7	Y & R
11	Ø3	R
12	Ø8	R
13	Ø8 & Ø1	R
P1	Ø2	Y
P2	Ø2	Y
P3	Ø4	R
P4	Ø4	R

VIDEO DETECTION ASSIGNMENTS

ZONE ASSIGNMENT	SIZE	CAMERA	MODE	DISTANCE FROM STOP LINE
Ø1-1	6X50	V1	PRESENCE	-3'
Ø2-1	6X50	V2	PRESENCE	-3'
Ø2-2	6X50	V2	PRESENCE	-3'
Ø2-3	6X50	V1	PRESENCE	-3'
Ø3-1	6X50	V1	PRESENCE	-3'
Ø4-1	6X50	V2	PRESENCE	-3'
Ø4-2	6X50	V2	PRESENCE	-3'
Ø5-1	6X50	V2	PRESENCE	-3'
Ø5-2	6X50	V2	PRESENCE	-3'
Ø6-1	6X50	V1	PRESENCE	-3'
Ø6-2	6X50	V1	PRESENCE	-3'
Ø6-3	6X50	V1	PRESENCE	-3'
Ø7-1	6X50	V2	PRESENCE	-3'
Ø8-1	6X50	V1	PRESENCE	-3'
Ø8-2	6X50	V1	PRESENCE	-3'

WIRING DIAGRAM

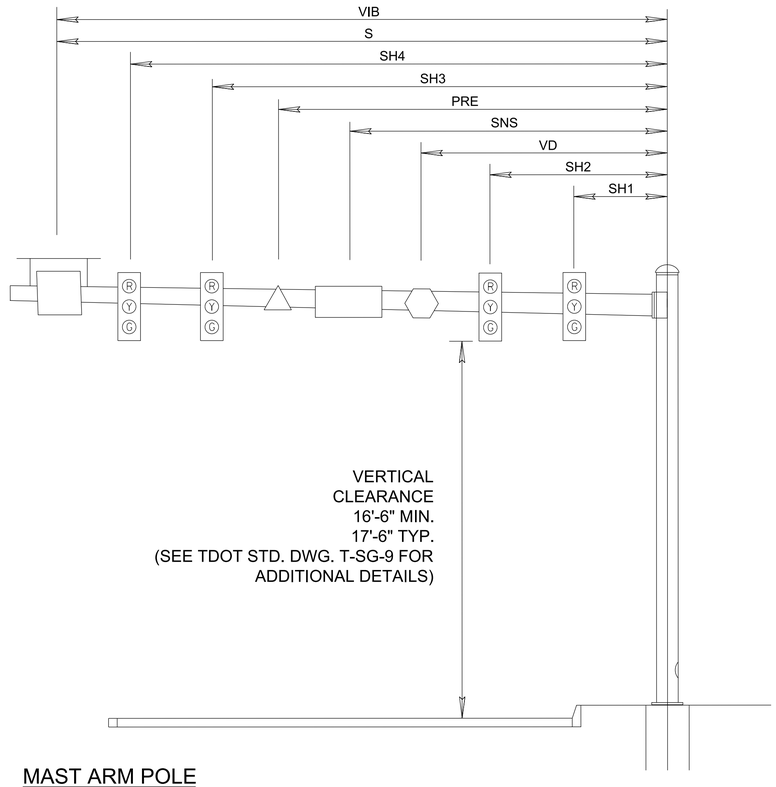


7C - TRAFFIC SIGNAL CABLE
5C - PED SIGNAL CABLE
VD - VIDEO DETEECTION CABLE
PRE - PREEMPTION CABLE
#F - # OF FIBER OPTIC CABLE

LEGEND

- SIGNAL HEAD
- STREET NAME SIGN
- SIGN
- VEHICLE DETECTOR (VIDEO/RADAR)
- PRE-EMPTION

S:	SIGN
SNS:	STREET NAME SIGN
SHX:	SIGNAL HEAD
VD:	VEHICLE DETECTOR (VIDEO/RADAR)
PRE:	PRE-EMPTION

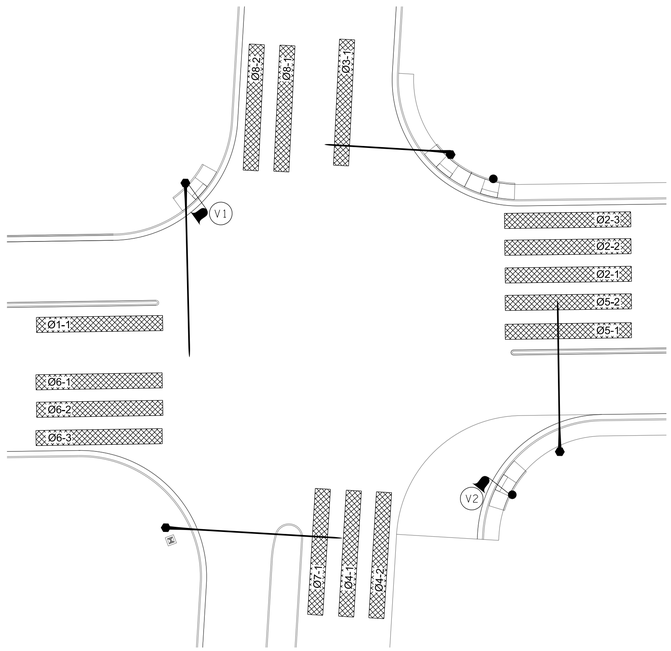


MAST ARM POLE

POLE	STATION	OFFSET	NORTHING	EASTING	ARM LENGTH	SNS	SNS2	SH1	SH2	SH3	SH4	PRE	ELEV.
1	14+93.13	86' RT.	568248.4300	1708898.4800	50'	30'-11"		24'-11"	36'-11"	60'-11"			723.55'
2	14+97.73	51' LT.	568269.8081	1708763.4763	70'	31'-8"	55'-10"	22'-11"	39'-4"	50'-4"	61'-4"	44'-10"	720.69'
3	16+04.77	62' LT.	568375.4399	1708762.7345	50'	29'-11"		24'-5"	33'-5"	42'-5"		38'-11"	720.96'
4	16+46.46	56' RT.	568406.7001	1708884.1616	60'	22'-0"	41'-9"	14'-3"	30'-9"	52'-9"		33'-9"	716.91'
5	16+21.56	52' LT.	568391.3133	1708773.9910	N/A								719.58'
6	16+27.41	73' RT.	568386.2677	1708899.2066	N/A								716.13'

* MAST ARM MOUNTING HEIGHT FOR ALL MAST ARMS IS 20'

DETECTION DIAGRAM



R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNAL LAYOUT

COLUMBIA AVE. AT MACK HATCHER BLVD.

SCALE: 1"= 30'

BARGE DESIGN SOLUTIONS

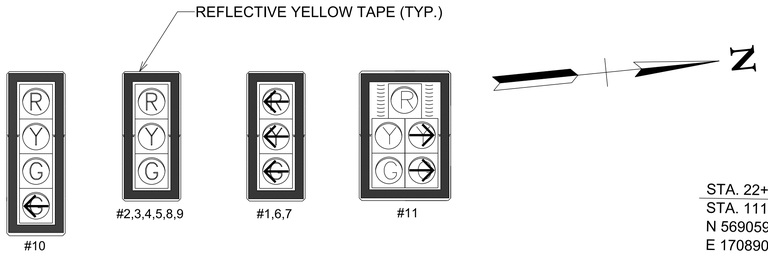
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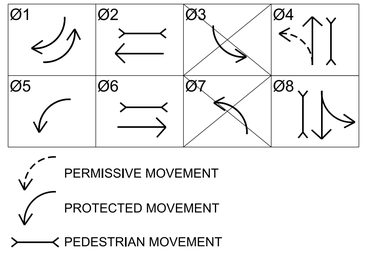
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	S3

SIGNAL HEAD DISPLAYS



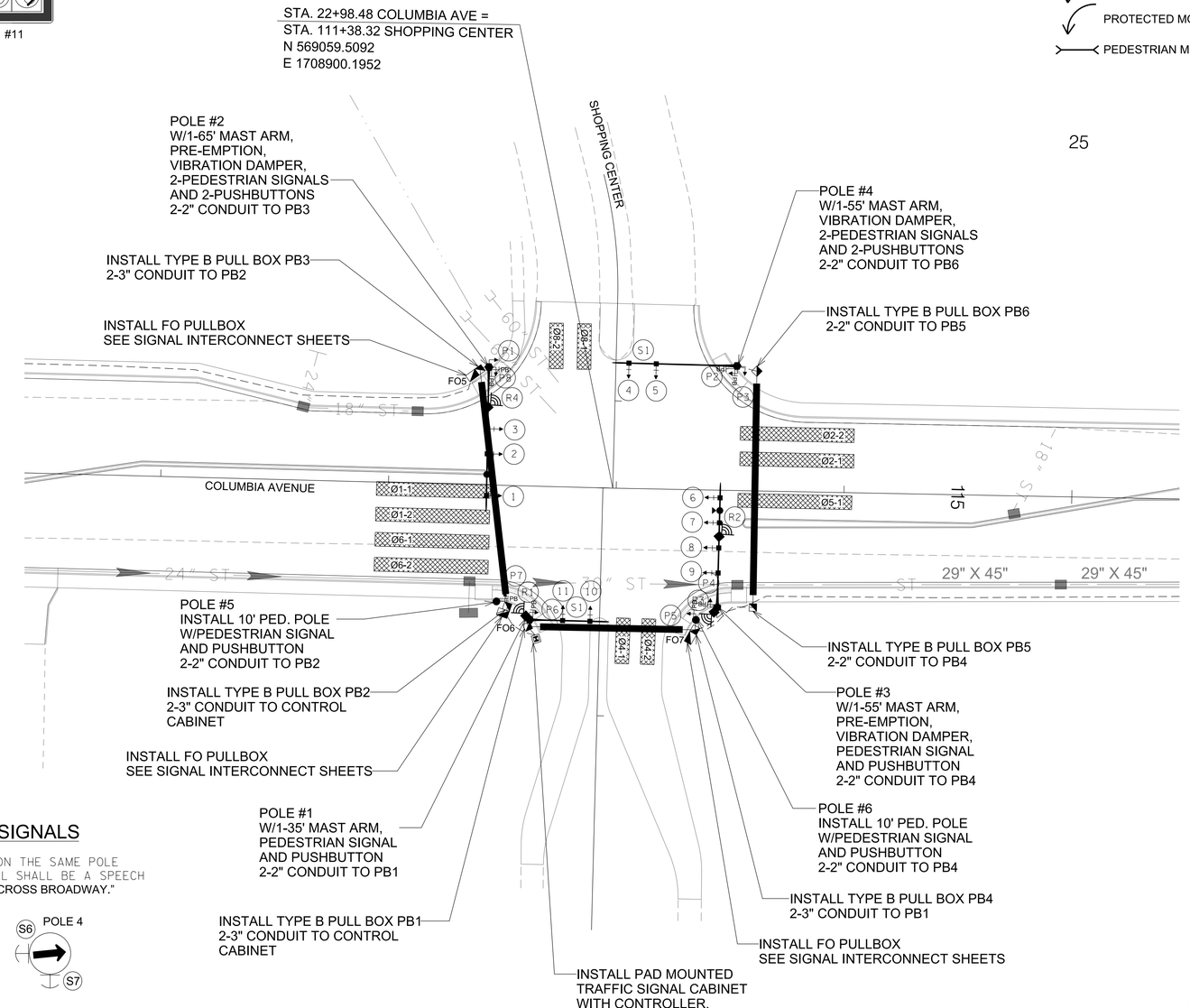
PHASING DIAGRAM



INTERNALLY ILLUMINATED OVERHEAD STREET NAME SIGNS

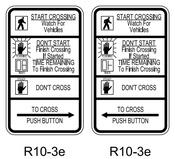


NOTE:
- 12" U.C. LETTERS (MINIMUM)
- 9" L.C. LETTERS (MINIMUM)
- HIGH INTENSITY REFLECTIVE SHEETING
- REFLECTIVE WHITE COPY
- GREEN BACKGROUND
- SIGNS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY



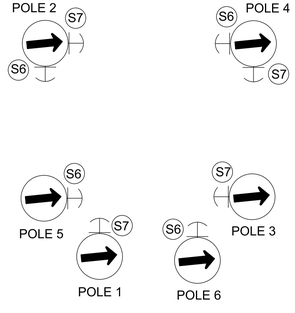
PEDESTRIAN TRAFFIC SIGNS/PB/SIGNALS

NOTE: IN LOCATIONS WHERE PUSHBUTTONS ARE ON THE SAME POLE AN AUDIBLE WALK INDICATION FOR EACH SIGNAL SHALL BE A SPEECH WALK MESSAGE EX."BROADWAY. WALK SIGN IS ON TO CROSS BROADWAY."



R10-3e
9"x15"
SIGN S6

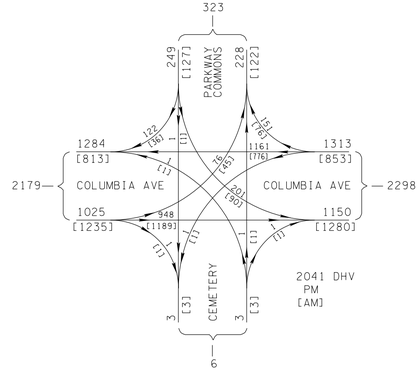
R10-3e
9"x15"
SIGN S7





COUNTDOWN TYPE
L.E.D. PED WITH
OVERLAPPING, FULLY POPULATED
SOLID SYMBOLS

COLOR LEGEND
MAN - WHITE
HAND - PORTLAND ORANGE



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

R.O.W. PLANS

SEALED BY

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNAL LAYOUT

COLUMBIA AVE. AT
PARKWAY COMMONS
SCALE: 1"= 30'

BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
$INSTR$
$USER$
TBL

DGN

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	S4

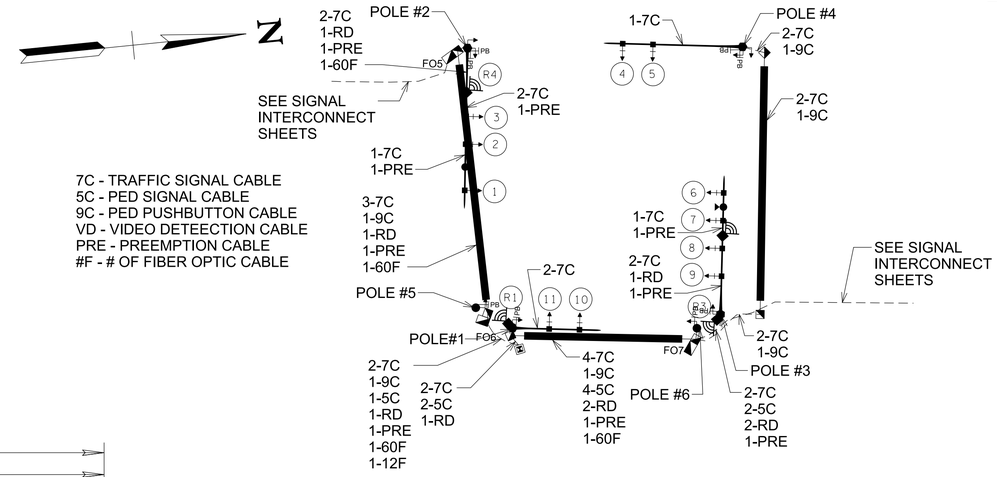
SIGNAL HEAD ASSIGNMENT

SIGNAL HEAD	PHASE(S)	FLASHING MODE
1	Ø5	R
2	Ø2	Y
3	Ø2	Y
4	Ø4	R
5	Ø4	R
6	Ø1	R
7	Ø1	R
8	Ø6	Y
9	Ø6	Y
10	Ø8	R
11	Ø8	R
P1	Ø2	Y
P2	Ø2	Y
P3	Ø4	R
P4	Ø4	R
P5	Ø2	Y
P6	Ø2	Y
P7	Ø4	R
P8	Ø4	R

RADAR DETECTION ASSIGNMENTS

ZONE ASSIGNMENT	SIZE	CAMERA	MODE	DISTANCE FROM STOP LINE
Ø1-1	6X50	R1	PRESENCE	-3'
Ø1-2	6X50	R1	PRESENCE	-3'
Ø2-1	6X50	R2	PRESENCE	-3'
Ø2-2	6X50	R2	PRESENCE	-3'
Ø4-1	6X20	R3	PRESENCE	-3'
Ø4-2	6X20	R3	PRESENCE	-3'
Ø5-1	6X50	R2	PRESENCE	-3'
Ø6-1	6X50	R1	PRESENCE	-3'
Ø6-2	6X50	R1	PRESENCE	-3'
Ø8-1	6X20	R4	PRESENCE	-3'
Ø8-2	6X20	R4	PRESENCE	-3'

WIRING DIAGRAM

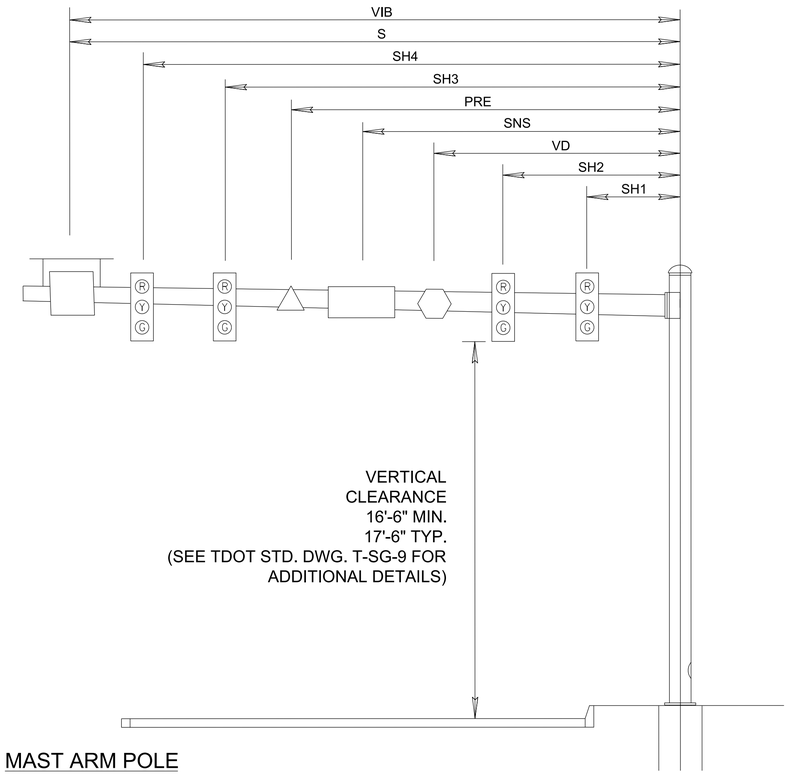


7C - TRAFFIC SIGNAL CABLE
5C - PED SIGNAL CABLE
9C - PED PUSHBUTTON CABLE
VD - VIDEO DETEECTION CABLE
PRE - PREEMPTION CABLE
#F - # OF FIBER OPTIC CABLE

LEGEND

- SIGNAL HEAD
- STREET NAME SIGN
- SIGN
- VEHICLE DETECTOR (VIDEO/RADAR)
- PRE-EMPTION

S:	SIGN
SNS:	STREET NAME SIGN
SHX:	SIGNAL HEAD
VD:	VEHICLE DETECTOR (VIDEO/RADAR)
PRE:	PRE-EMPTION

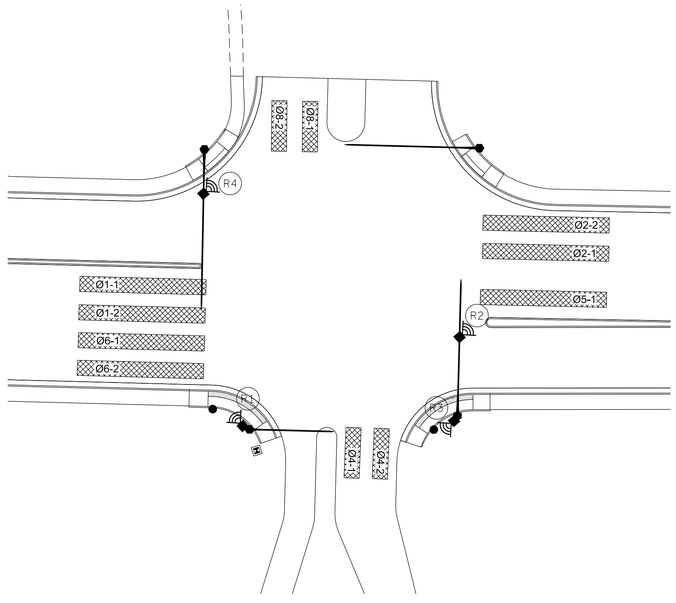


MAST ARM POLE

POLE	STATION	OFFSET	NORTHING	EASTING	ARM LENGTH	SNS	SNS2	SH1	SH2	SH3	SH4	RAD	RAD2	PRE	ELEV.
1	22+63.49	59' RT.	569017.4280	1708953.7900	35'	22'-0"		16'-0"	28'-0"			0'-0"			689.88'
2	22+42.74	52' LT.	569010.7198	1708840.5000	65'			28'-6"	39'-6"	57'-9"		18'-6"		48'-8"	690.68
3	23+45.30	51' RT.	569099.8828	1708841.8774	55'			15'-11"	26'-11"	37'-11"	48'-11"	0-0"	32'-4"	43-4"	688.47
4	23+51.99	55' LT.	569119.1402	1708852.2946	55'			36'-10"	48'-10"						689.37
5	22+48.71	51' RT.	569003.7221	1708944.5378	N/A										690.23
6	23+36.07	57' RT.	569090.0443	1708961.3642	N/A										688.48

* MAST ARM MOUNTING HEIGHT FOR ALL MAST ARMS IS 20'

DETECTION DIAGRAM



R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNAL WIRING

COLUMBIA AVE. AT PARKWAY COMMONS
SCALE: 1"= 30'

BARGE DESIGN SOLUTIONS

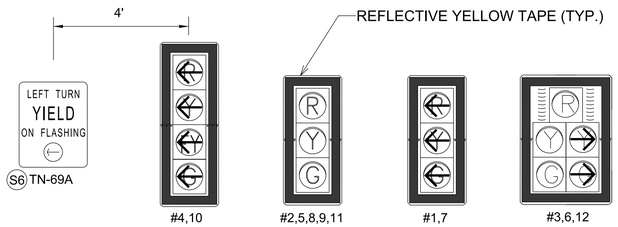
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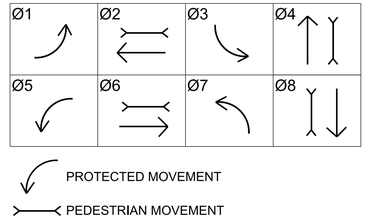
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	S5

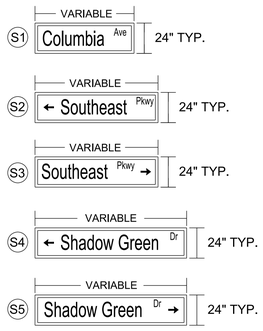
SIGNAL HEAD DISPLAYS



PHASING DIAGRAM



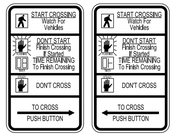
INTERNALLY ILLUMINATED OVERHEAD STREET NAME SIGNS



NOTE:
- 12" U.C. LETTERS (MINIMUM)
- 9" L.C. LETTERS (MINIMUM)
- HIGH INTENSITY REFLECTIVE SHEETING
- REFLECTIVE WHITE COPY
- GREEN BACKGROUND
- SIGNS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY

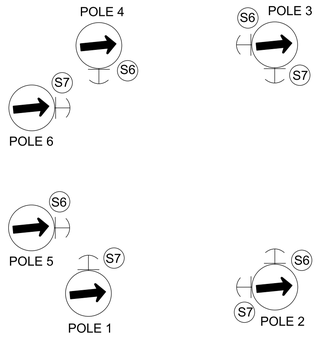
PEDESTRIAN TRAFFIC SIGNS/PB/SIGNALS

NOTE: IN LOCATIONS WHERE PUSHBUTTONS ARE ON THE SAME POLE AN AUDIBLE WALK INDICATION FOR EACH SIGNAL SHALL BE A SPEECH WALK MESSAGE EX."BROADWAY. WALK SIGN IS ON TO CROSS BROADWAY."



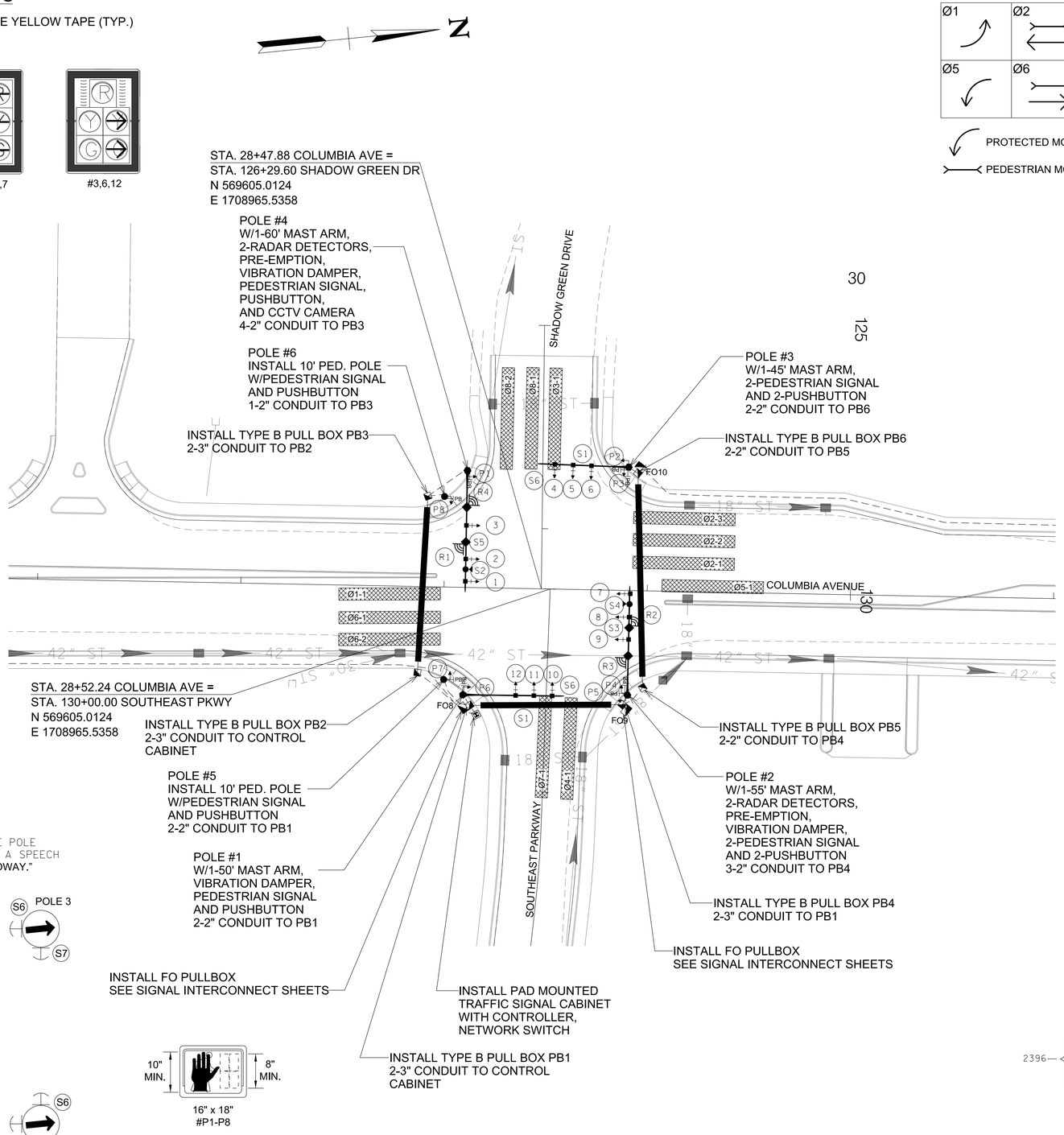
R10-3e 9"x15" SIGN S6

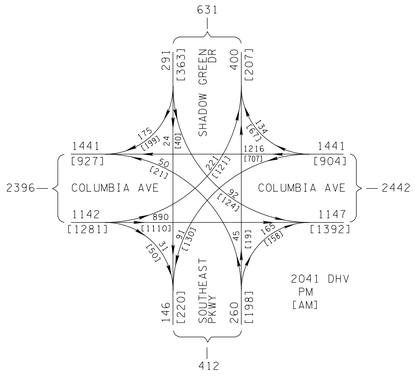
R10-3e 9"x15" SIGN S7



COUNTDOWN TYPE
L.E.D. PED WITH
OVERLAPPING, FULLY POPULATED
SOLID SYMBOLS

COLOR LEGEND
MAN - WHITE
HAND - PORTLAND ORANGE





R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNAL LAYOUT

COLUMBIA AVE. AT PARKWAY COMMONS
SCALE: 1"= 30'

BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
$INSTR$
$USER$
TBL

DGN

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	S6

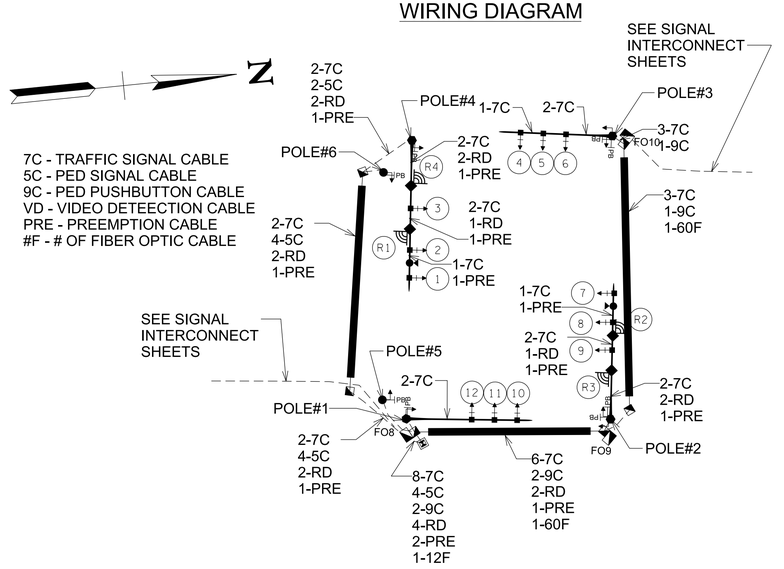
SIGNAL HEAD ASSIGNMENT

SIGNAL HEAD	PHASE(S)	FLASHING MODE
1	Ø5	R
2	Ø2	Y
3	Ø2	Y
4	Ø7	R
5	Ø4	R
6	Ø4	R
7	Ø1	R
8	Ø6	Y
9	Ø6	Y
10	Ø3	R
11	Ø8	R
12	Ø8	R
P1	Ø2	Y
P2	Ø2	Y
P3	Ø4	R
P4	Ø4	R
P5	Ø2	Y
P6	Ø2	Y
P7	Ø4	R
P8	Ø4	R

RADAR DETECTION ASSIGNMENTS

ZONE ASSIGNMENT	SIZE	CAMERA	MODE	DISTANCE FROM STOP LINE
Ø1-1	6X50	R1	PRESENCE	-3'
Ø2-1	6X50	R2	PRESENCE	-3'
Ø2-2	6X50	R2	PRESENCE	-3'
Ø2-3	6X50	R2	PRESENCE	-3'
Ø3-1	6X50	R4	PRESENCE	-3'
Ø4-1	6X50	R3	PRESENCE	-3'
Ø5-1	6X50	R2	PRESENCE	-3'
Ø6-1	6X50	R1	PRESENCE	-3'
Ø6-2	6X50	R1	PRESENCE	-3'
Ø8-1	6X50	R4	PRESENCE	-3'
Ø8-2	6X50	R4	PRESENCE	-3'

WIRING DIAGRAM



LEGEND

SIGNAL HEAD

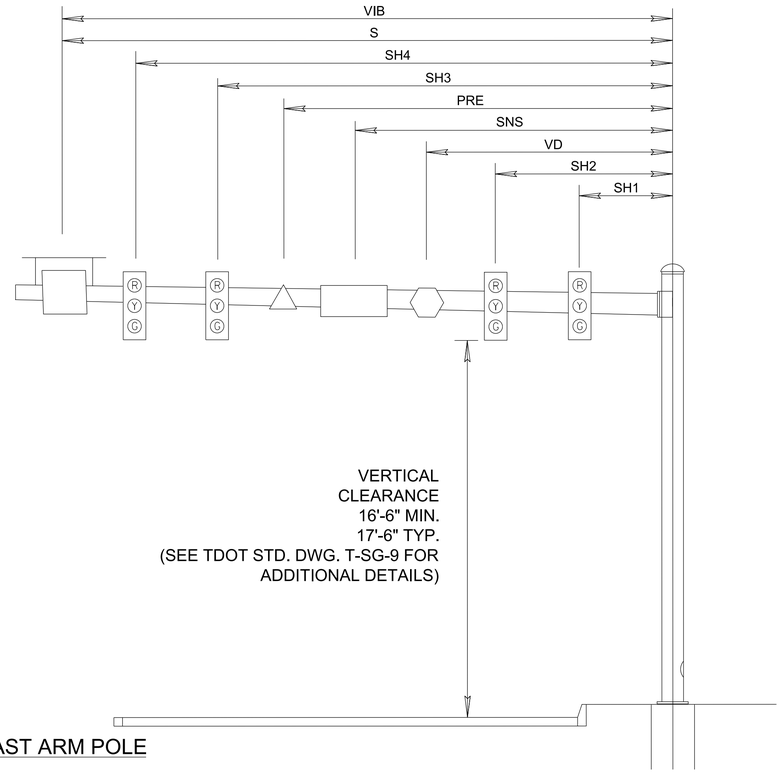
STREET NAME SIGN

SIGN

VEHICLE DETECTOR (VIDEO/RADAR)

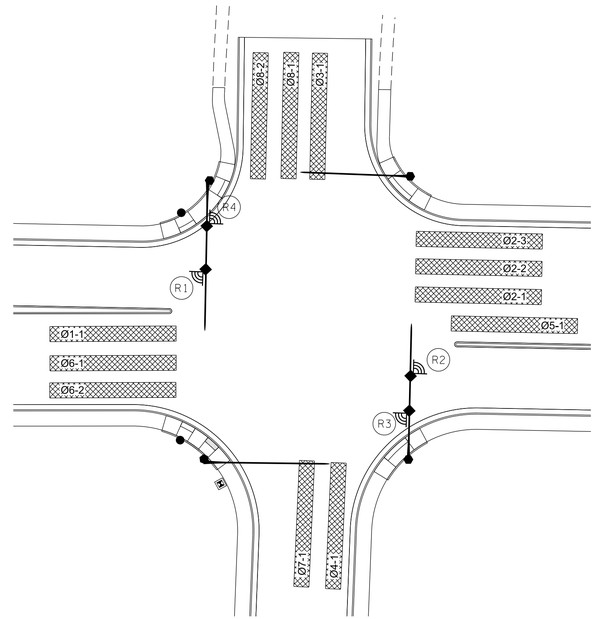
PRE-EMPTION

S:	SIGN
SNS:	STREET NAME SIGN
SHX:	SIGNAL HEAD
VD:	VEHICLE DETECTOR (VIDEO/RADAR)
PRE:	PRE-EMPTION



MAST ARM POLE

DETECTION DIAGRAM



POLE	STATION	OFFSET	NORTHING	EASTING	ARM LENGTH	SNS	SNS2	SH1	SH2	SH3	SH4	RAD	RAD2	PRE	ELEV.
1	28+10.29	54' RT.	569561.4076	1709013.5510	50'	31'-7"		26'-1"	35'-1"	44'-1"					686.18'
2	28+91.20	51' RT.	569641.9000	1709021.7961	55'	33'-11"		28'-5"	39'-5"	50'-11"		18'-5"	33'-11"	45'-3"	685.75'
3	28+89.77	61' LT.	569653.8264	1708910.2885	45'	24'-3"		19'-9"	28'-9"	37'-9"					686.92'
4	28+10.44	58' LT.	569574.6729	1708904.0344	60'	34'-9"		27'-5"	43'-11"	54'-11"		17'-5"	34'-0"	49'-5"	686.45'
5	28+00.70	46' RT.	569552.7519	1709005.1157	N/A										686.35'
6	27+99.42	45' LT.	569562.1983	1708915.5516	N/A										686.78

* MAST ARM MOUNTING HEIGHT FOR ALL MAST ARMS IS 20'

R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNAL LAYOUT

COLUMBIA AVE. AT PARKWAY COMMONS

SCALE: 1"= 30'

BARGE DESIGN SOLUTIONS

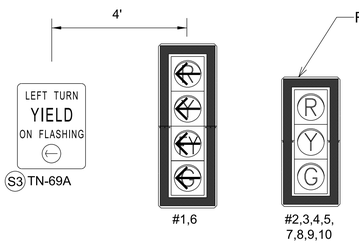
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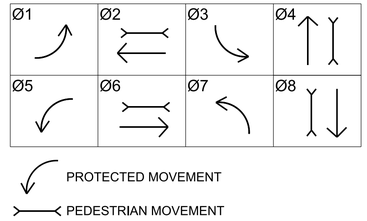
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	S7

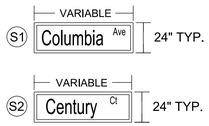
SIGNAL HEAD DISPLAYS



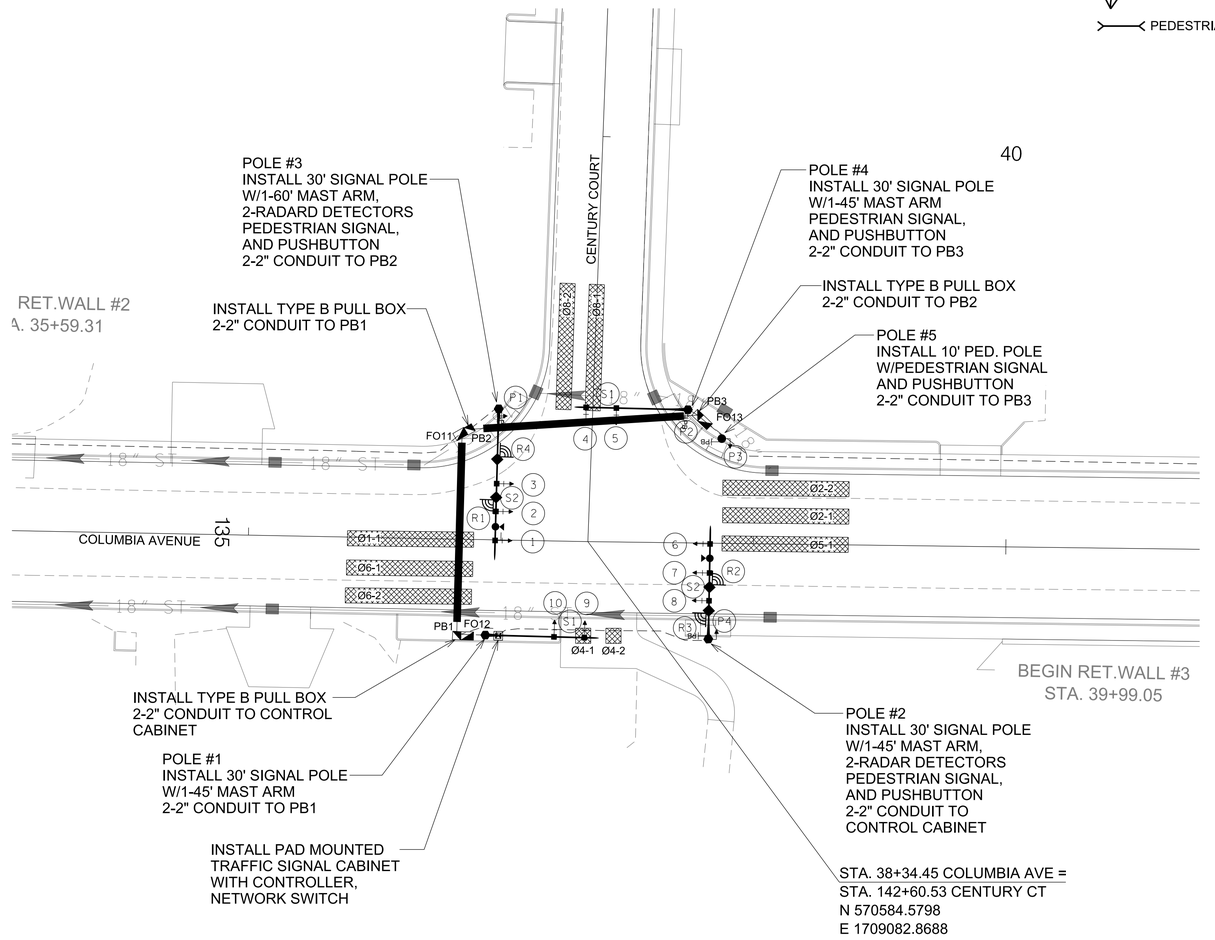
PHASING DIAGRAM



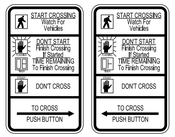
INTERNALLY ILLUMINATED OVERHEAD STREET NAME SIGNS



NOTE:
- 12" U.C. LETTERS (MINIMUM)
- 9" L.C. LETTERS (MINIMUM)
- HIGH INTENSITY REFLECTIVE SHEETING
- REFLECTIVE WHITE COPY
- GREEN BACKGROUND
- SIGNS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY



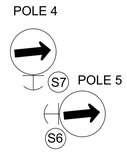
PEDESTRIAN TRAFFIC SIGNS/PB/SIGNALS



R10-3e
9"x15"
SIGN S6

R10-3e
9"x15"
SIGN S7





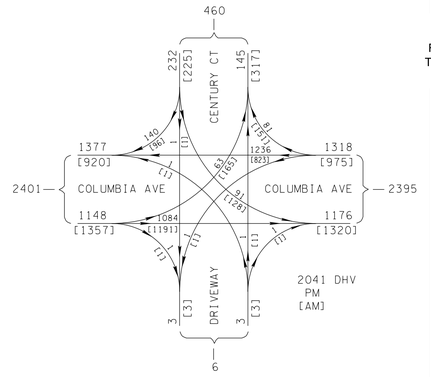




16" x 18"
#P1-P4

COUNTDOWN TYPE
L.E.D. PED WITH
OVERLAPPING, FULLY POPULATED
SOLID SYMBOLS

COLOR LEGEND
MAN - WHITE
HAND - PORTLAND
ORANGE



R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNAL LAYOUT

COLUMBIA AVE. AT
CENTURY COURT
SCALE: 1"= 30'

BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
$INSTR$
$USER$
TBL

DGN

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	S8

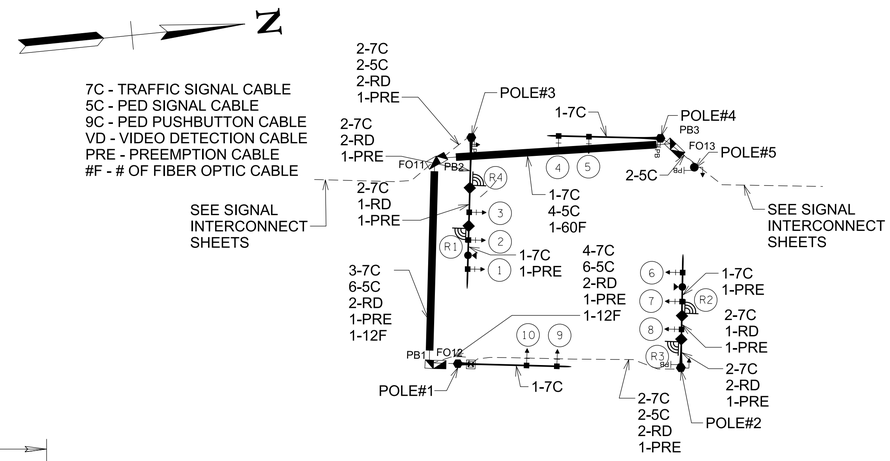
SIGNAL HEAD ASSIGNMENT

SIGNAL HEAD	PHASE(S)	FLASHING MODE
1	Ø5	R
2	Ø2	Y
3	Ø2	Y
4	Ø4	R
5	Ø4	R
6	Ø1	R
7	Ø6	Y
8	Ø6	Y
9	Ø8	R
10	Ø8	R
P1	Ø2	Y
P2	Ø2	Y
P3	Ø4	R
P4	Ø4	R

RADAR DETECTION ASSIGNMENTS

ZONE ASSIGNMENT	SIZE	CAMERA	MODE	DISTANCE FROM STOP LINE
Ø1-1	6X50	R1	PRESENCE	-3'
Ø2-1	6X50	R2	PRESENCE	-3'
Ø2-2	6X50	R2	PRESENCE	-3'
Ø4-1	6X50	R3	PRESENCE	-3'
Ø4-2	6X50	R3	PRESENCE	-3'
Ø5-1	6X50	R2	PRESENCE	-3'
Ø6-1	6X50	R1	PRESENCE	-3'
Ø6-2	6X50	R1	PRESENCE	-3'
Ø8-1	6X50	R4	PRESENCE	-3'
Ø8-2	6X50	R4	PRESENCE	-3'

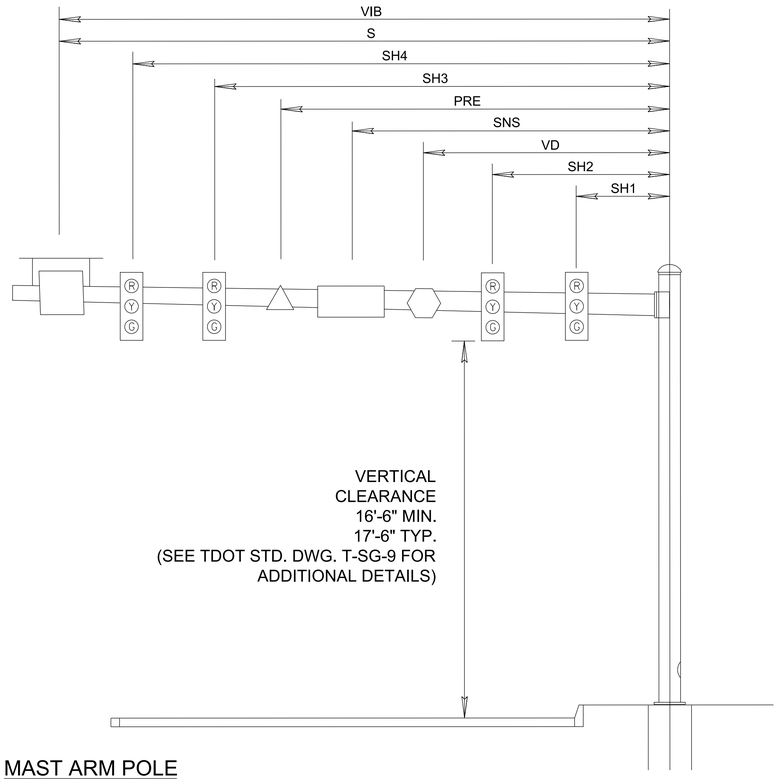
WIRING DIAGRAM



LEGEND

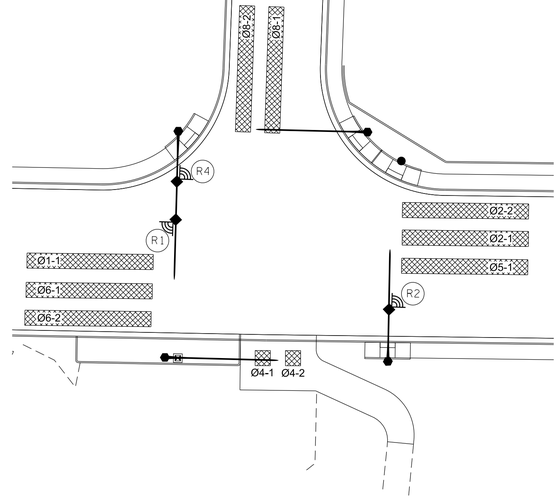
- SIGNAL HEAD
- STREET NAME SIGN
- SIGN
- VEHICLE DETECTOR (VIDEO/RADAR)
- PRE-EMPTION

S:	SIGN
SNS:	STREET NAME SIGN
SHX:	SIGNAL HEAD
VD:	VEHICLE DETECTOR (VIDEO/RADAR)
PRE:	PRE-EMPTION



MAST ARM POLE

DETECTION DIAGRAM



POLE	STATION	OFFSET	NORTHING	EASTING	ARM LENGTH	SNS	SNS2	SH1	SH2	SH3	SH4	RAD	RAD2	PRE	ELEV.
1	37+94.55	38' RT.	570540.4721	1709115.6309	45'	33'-3"		27'-3"	39'-3"						689.95
2	38+82.62	38' RT.	570628.1737	1709126.0268	45'	21'-3"		15'-9"	26'-9"	38'-3"		10'-6"	21'-3"	32'-6"	691.59
3	37+98.16	52' LT.	570554.7221	1709027.0178	60'	36'-3"		30'-9"	41'-9"	53'-3"		20'-0"	36'-3"	47'-6"	690.73
4	38+73.41	53' LT.	570629.2238	1709034.8551	45'	35'-1"		29'-1"	41'-1"						691.25
5	38+86.97	41' LT.	570641.4235	1709047.5934	N/A										691.32

* MAST ARM MOUNTING HEIGHT FOR ALL MAST ARMS IS 20'

R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNAL WIRING

COLUMBIA AVE. AT CENTURY COURT

SCALE: 1"= 30'

BARGE DESIGN SOLUTIONS

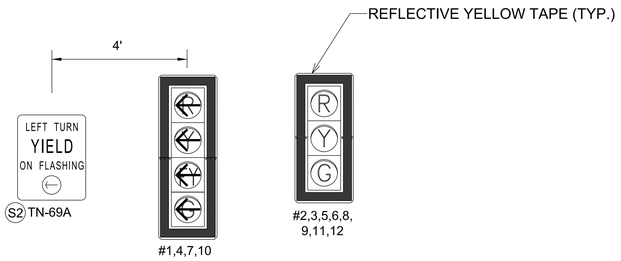
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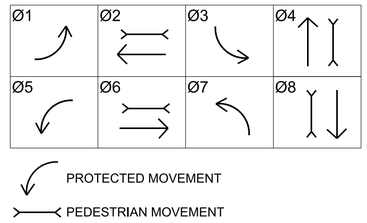
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	S9

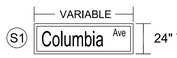
SIGNAL HEAD DISPLAYS



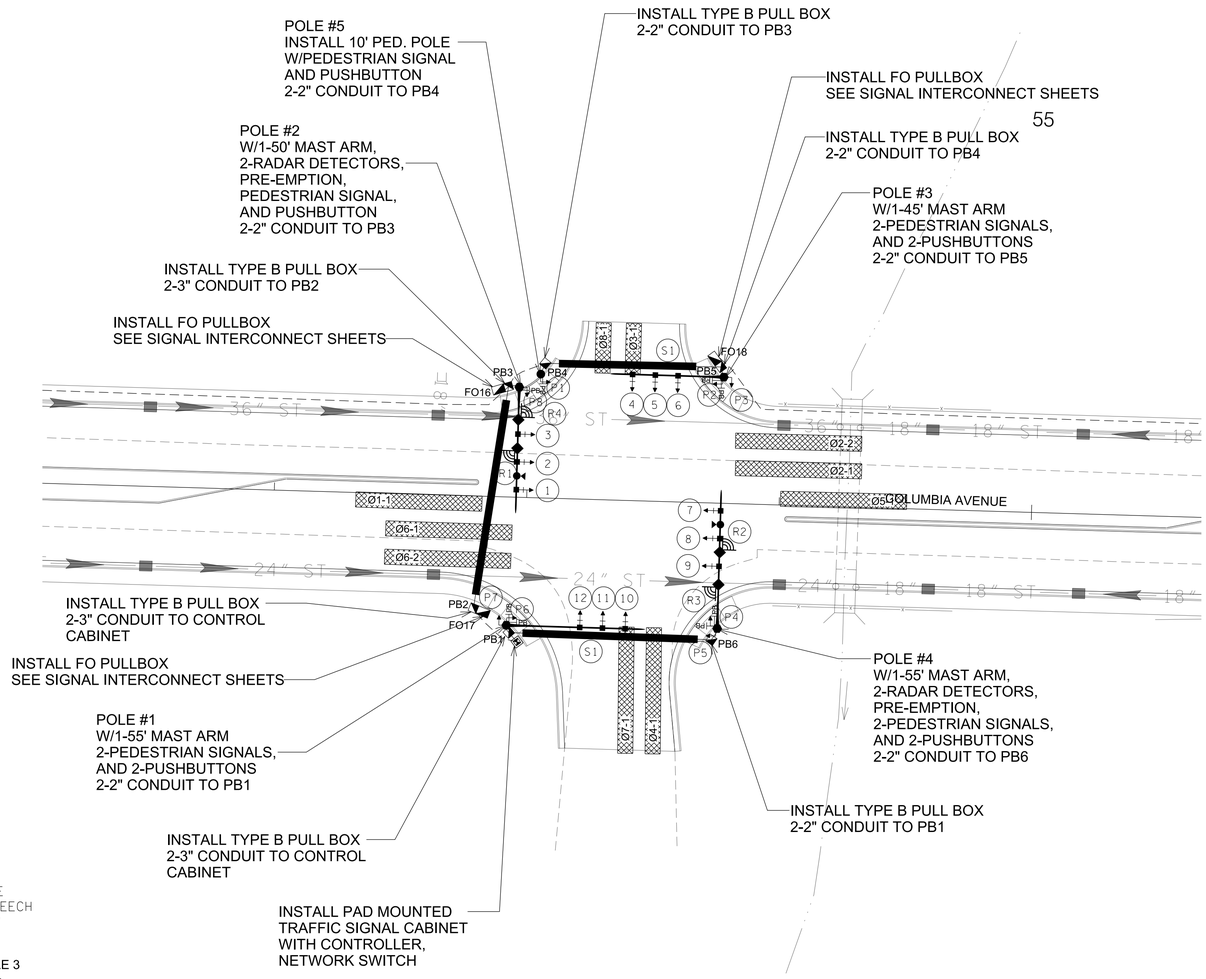
PHASING DIAGRAM



INTERNALLY ILLUMINATED OVERHEAD STREET NAME SIGNS

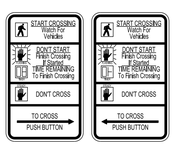


NOTE:
- 12" U.C. LETTERS (MINIMUM)
- 9" L.C. LETTERS (MINIMUM)
- HIGH INTENSITY REFLECTIVE SHEETING
- REFLECTIVE WHITE COPY
- GREEN BACKGROUND
- SIGNS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY



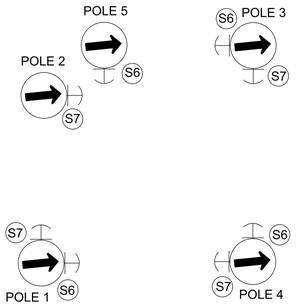
PEDESTRIAN TRAFFIC SIGNS/PB/SIGNALS

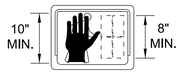
NOTE: IN LOCATIONS WHERE PUSHBUTTONS ARE ON THE SAME POLE AN AUDIBLE WALK INDICATION FOR EACH SIGNAL SHALL BE A SPEECH WALK MESSAGE EX."BROADWAY. WALK SIGN IS ON TO CROSS BROADWAY."



R10-3e
9"x15"
SIGN S6

R10-3e
9"x15"
SIGN S7





16" x 18"
#P1-P8

COUNTDOWN TYPE
L.E.D. PED WITH
OVERLAPPING, FULLY POPULATED
SOLID SYMBOLS

COLOR LEGEND
MAN - WHITE
HAND - PORTLAND
ORANGE

R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNAL LAYOUT

COLUMBIA AVE. AT BUSINESS PARK
SCALE: 1"= 30'

BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
$INSTR$
$USER$
TBL
DGN

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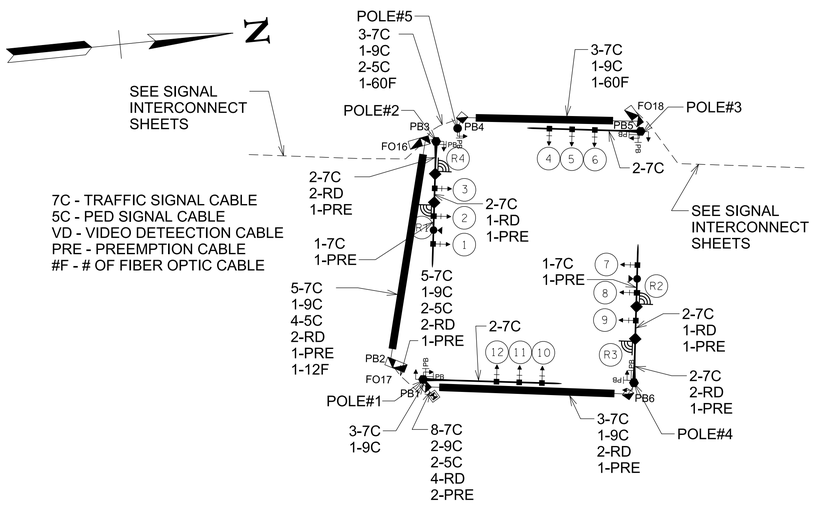
SIGNAL HEAD ASSIGNMENT

SIGNAL HEAD	PHASE(S)	FLASHING MODE
1	Ø5	R
2	Ø2	Y
3	Ø2	Y
4	Ø7	R
5	Ø4	R
6	Ø4	R
7	Ø1	R
8	Ø6	Y
9	Ø6	Y
10	Ø3	R
11	Ø8	R
12	Ø8	R
P1	Ø2	Y
P2	Ø2	Y
P3	Ø4	R
P4	Ø4	R
P5	Ø2	Y
P6	Ø2	Y
P7	Ø4	R
P8	Ø4	R

RADAR DETECTION ASSIGNMENTS

ZONE ASSIGNMENT	SIZE	CAMERA	MODE	DISTANCE FROM STOP LINE
Ø1-1	6X50	R1	PRESENCE	-3'
Ø2-1	6X50	R2	PRESENCE	-3'
Ø2-2	6X50	R2	PRESENCE	-3'
Ø3-1	6X50	R4	PRESENCE	-3'
Ø4-1	6X50	R3	PRESENCE	-3'
Ø5-1	6X50	R2	PRESENCE	-3'
Ø6-1	6X50	R1	PRESENCE	-3'
Ø6-2	6X50	R1	PRESENCE	-3'
Ø7-1	6X50	R3	PRESENCE	-3'
Ø8-1	6X50	R4	PRESENCE	-3'

WIRING DIAGRAM

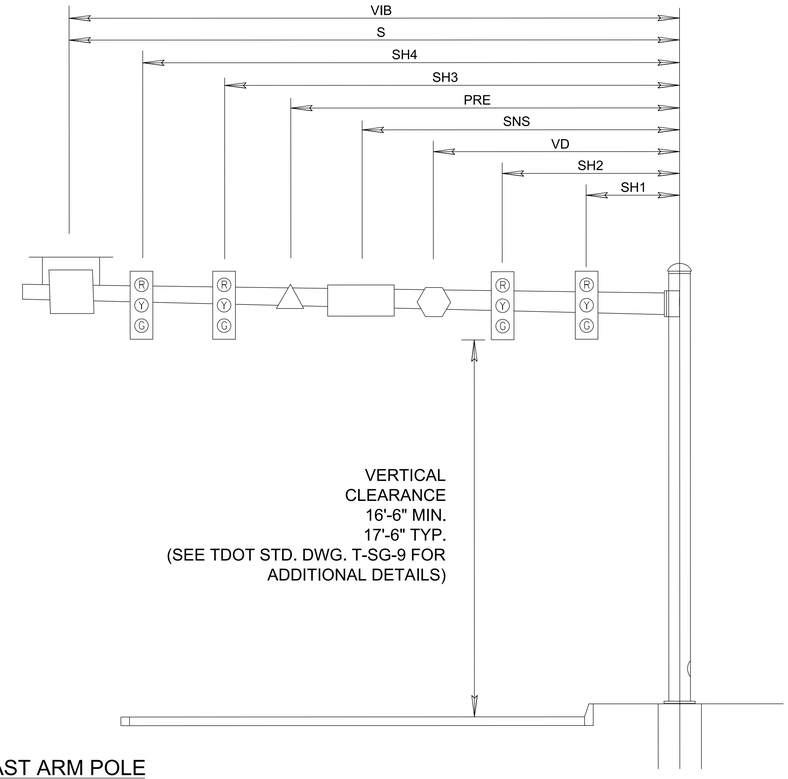


TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	S10

LEGEND

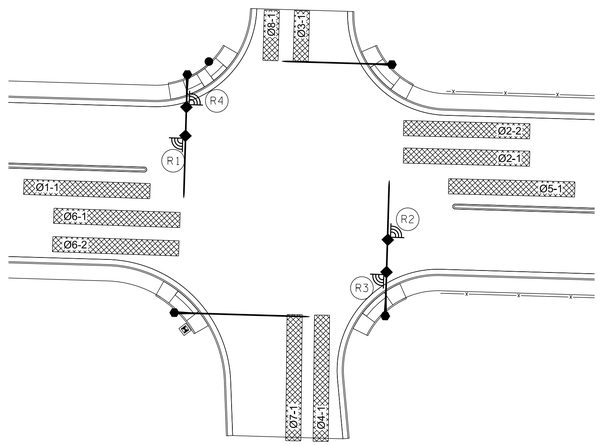
- SIGNAL HEAD
- STREET NAME SIGN
- SIGN
- VEHICLE DETECTOR (VIDEO/RADAR)
- PRE-EMPTION

S:	SIGN
SNS:	STREET NAME SIGN
SHX:	SIGNAL HEAD
VD:	VEHICLE DETECTOR (VIDEO/RADAR)
PRE:	PRE-EMPTION



MAST ARM POLE

DETECTION DIAGRAM



POLE	STATION	OFFSET	NORTHING	EASTING	ARM LENGTH	SNS	SNS2	SH1	SH2	SH3	SH4	RAD	RAD2	PRE	ELEV.
1	52+93.41	51' RT.	572025.3667	1709316.6657	55'	34'-11"		30'-5"	39'-5"	48'-5"					680.31
2	52+95.79	44' LT.	572039.9270	1709223.3450	45'	25'-2"		19'-8"	30'-8"	41'-8"		15'-0"	25'-2"	36'2"	681.27
3	53+76.62	50' LT.	572120.8957	1709227.5089	40'	24'-0"		19'-6"	28'-6"	37'-6"					681.3
4	53+76.93	50' RT.	572108.3368	1709326.3039	55'	31'-4"		25'-10"	36'-10"	47'-10"		20'-0"	31'-4"	42'-4"	678.34
5	53+04.15	49' LT.	572048.9170	1709219.0712	N/A										681.09

* MAST ARM MOUNTING HEIGHT FOR ALL MAST ARMS IS 20'

R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNAL WIRING

COLUMBIA AVE. AT BUSINESS PARK

SCALE: 1"= 30'

BARGE DESIGN SOLUTIONS

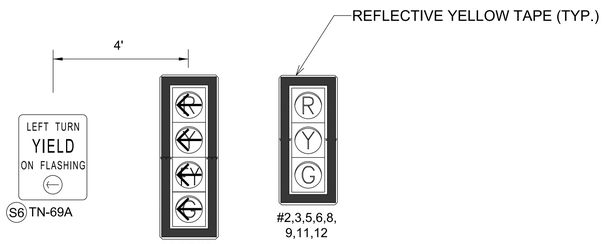
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DGN

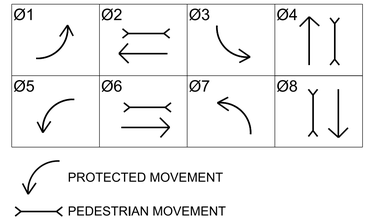
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	S11

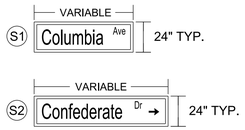
SIGNAL HEAD DISPLAYS



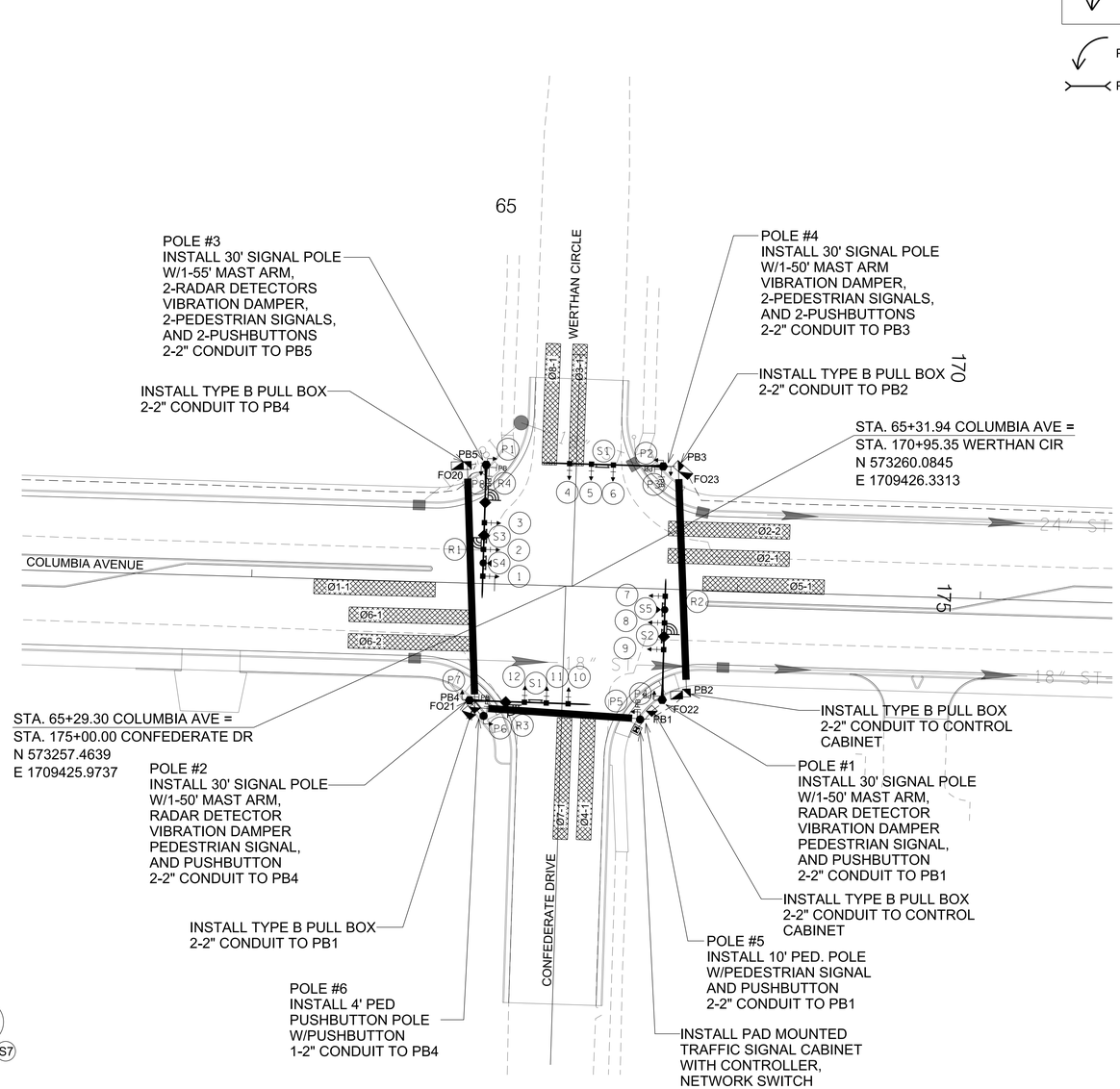
PHASING DIAGRAM



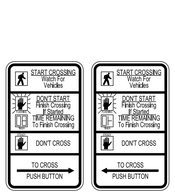
INTERNALLY ILLUMINATED OVERHEAD STREET NAME SIGNS



NOTE:
- 12" U.C. LETTERS (MINIMUM)
- 9" L.C. LETTERS (MINIMUM)
- HIGH INTENSITY REFLECTIVE SHEETING
- REFLECTIVE WHITE COPY
- GREEN BACKGROUND
- SIGNS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY

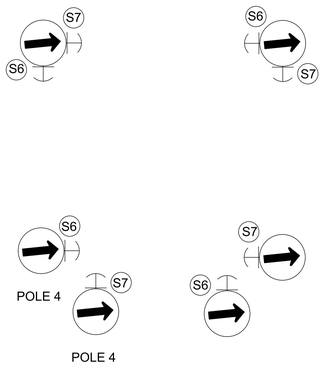


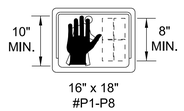
PEDESTRIAN TRAFFIC SIGNS/PB/SIGNALS



R10-3e
9"x15"
SIGN S6

R10-3e
9"x15"
SIGN S7





16" x 18"
#P1-P8

COUNTDOWN TYPE
L.E.D. PED WITH
OVERLAPPING, FULLY POPULATED
SOLID SYMBOLS

COLOR LEGEND
MAN - WHITE
HAND - PORTLAND
ORANGE

R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNAL LAYOUT

COLUMBIA AVE. AT CONFEDERATE DR

SCALE: 1"= 30'

BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
$INSTR$
$USER$
TBL
DGN

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	S12

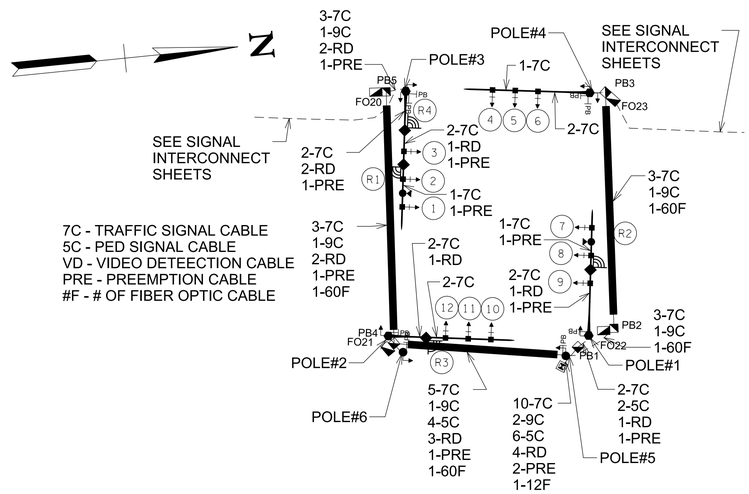
SIGNAL HEAD ASSIGNMENT

SIGNAL HEAD	PHASE(S)	FLASHING MODE
1	Ø5	R
2	Ø2	Y
3	Ø2	Y
4	Ø7	R
5	Ø4	R
6	Ø4	R
7	Ø1	R
8	Ø6	Y
9	Ø6	Y
10	Ø3	R
11	Ø8	R
12	Ø8	R
P1	Ø2	Y
P2	Ø2	Y
P3	Ø4	R
P4	Ø4	R
P5	Ø2	Y
P6	Ø2	Y
P7	Ø4	R
P8	Ø4	R

RADAR DETECTION ASSIGNMENTS

ZONE ASSIGNMENT	SIZE	CAMERA	MODE	DISTANCE FROM STOP LINE
Ø1-1	6X50	R1	PRESENCE	-3'
Ø2-1	6X50	R2	PRESENCE	-3'
Ø2-2	6X50	R2	PRESENCE	-3'
Ø3-1	6X50	R4	PRESENCE	-3'
Ø4-1	6X50	R3	PRESENCE	-3'
Ø5-1	6X50	R2	PRESENCE	-3'
Ø6-1	6X50	R1	PRESENCE	-3'
Ø6-2	6X50	R1	PRESENCE	-3'
Ø7-1	6X50	R3	PRESENCE	-3'
Ø8-1	6X50	R4	PRESENCE	-3'

WIRING DIAGRAM



LEGEND

SIGNAL HEAD

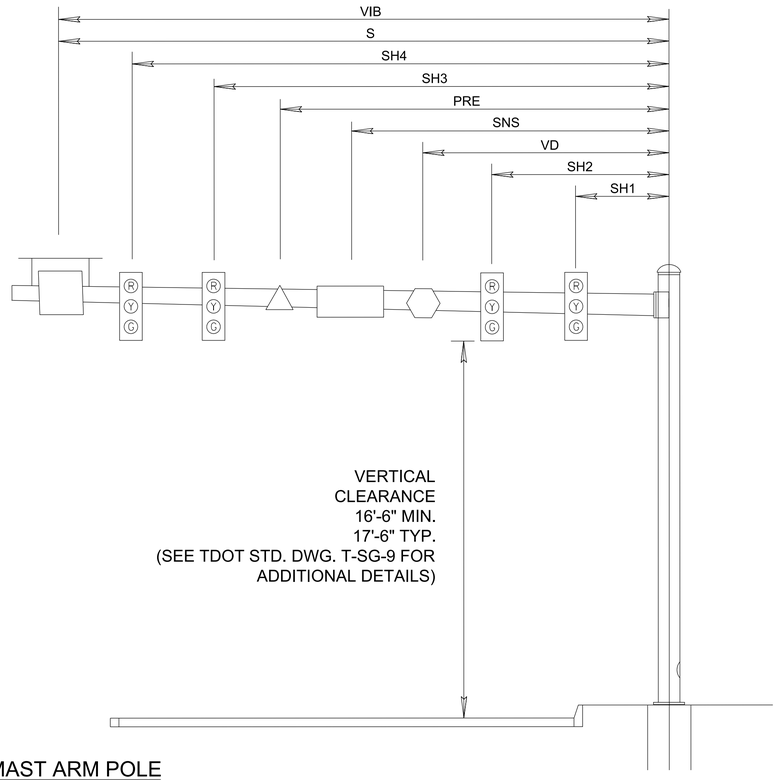
STREET NAME SIGN

SIGN

VEHICLE DETECTOR (VIDEO/RADAR)

PRE-EMPTION

S:	SIGN
SNS:	STREET NAME SIGN
SHX:	SIGNAL HEAD
VD:	VEHICLE DETECTOR (VIDEO/RADAR)
PRE:	PRE-EMPTION

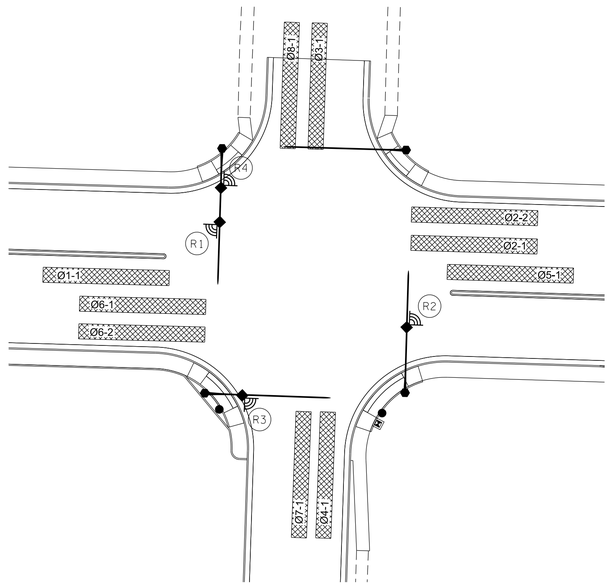


MAST ARM POLE

POLE	STATION	OFFSET	NORTHING	EASTING	ARM LENGTH	SNS	SNS2	SH1	SH2	SH3	SH4	RAD	RAD2	PRE	ELEV.
1	65+70.42	46' RT.	573292.2614	1709476.6036	50'	27'-7"		22'-1"	33'-1"	44'-1"		27'-7"		28'-7"	697.56
2	64+91.08	48' RT.	573213.3268	1709468.8594	45'	28'-1"		22'-7"	31'-7"	40'-7"		16'-0"			698.64
3	64+95.11	49' LT.	573229.8699	1709373.0924	55'	30'-5"		24'-11"	35'-11"	46'-11"		16'-11"	30'-5"	41'-5"	699.27
4	65+67.88	50' LT.	573302.2978	1709381.0079	45'	26'-3"		21'-10"	30'-10"	39'-10"					698.36
5	65+61.60	54' RT.	573282.4314	1709483.7072	N/A										697.58
6	64+97.05	55' RT.	573218.4499	1709475.8057	N/A										698.47

* MAST ARM MOUNTING HEIGHT FOR ALL MAST ARMS IS 20'

DETECTION DIAGRAM



R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNAL WIRING

COLUMBIA AVE. AT CONFEDERATE DR

SCALE: 1"= 30'

BARGE DESIGN SOLUTIONS

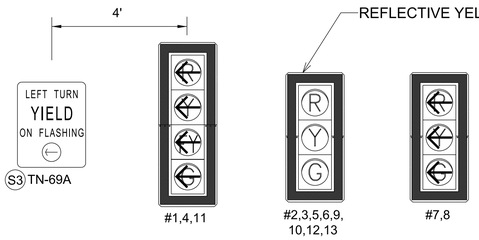
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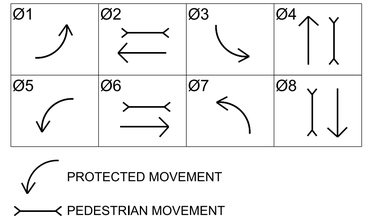
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	S13

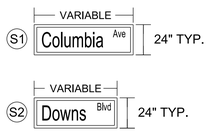
SIGNAL HEAD DISPLAYS



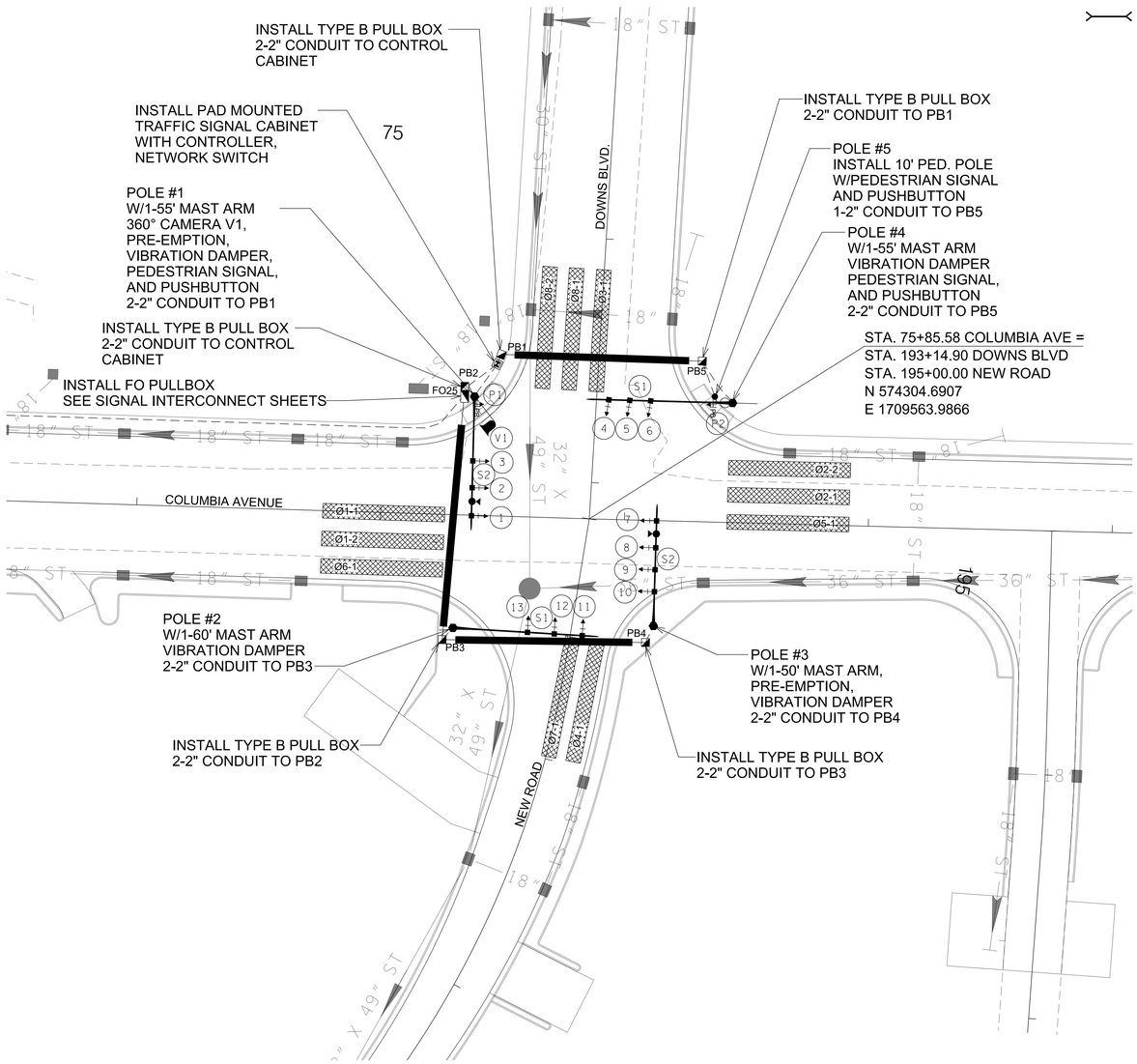
PHASING DIAGRAM



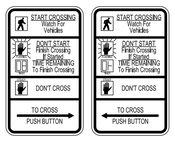
INTERNALLY ILLUMINATED OVERHEAD STREET NAME SIGNS



NOTE:
- 12" U.C. LETTERS (MINIMUM)
- 9" L.C. LETTERS (MINIMUM)
- HIGH INTENSITY REFLECTIVE SHEETING
- REFLECTIVE WHITE COPY
- GREEN BACKGROUND
- SIGNS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY



PEDESTRIAN TRAFFIC SIGNS/PB/SIGNALS



R10-3e
9"x15"
SIGN S6

R10-3e
9"x15"
SIGN S7

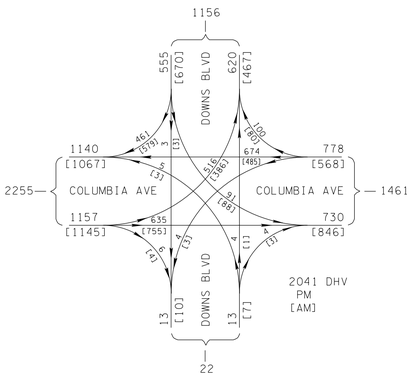




16" x 18"
#P1-P2

COUNTDOWN TYPE
L.E.D. PED WITH
OVERLAPPING, FULLY POPULATED
SOLID SYMBOLS

COLOR LEGEND
MAN - WHITE
HAND - PORTLAND
ORANGE



R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNAL LAYOUT

COLUMBIA AVE. AT
DOWNS BLVD.
SCALE: 1"= 30'

BARGE DESIGN SOLUTIONS

$DATE$
$TIME$
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	S14

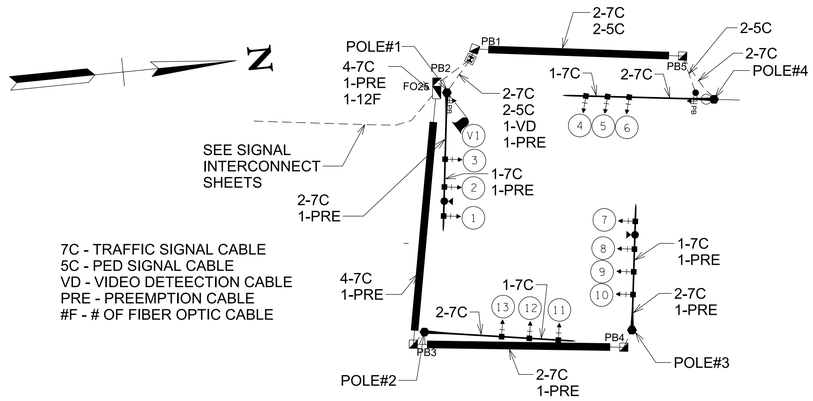
SIGNAL HEAD ASSIGNMENT

SIGNAL HEAD	PHASE(S)	FLASHING MODE
1	Ø5	R
2	Ø2	Y
3	Ø2	Y
4	Ø7	R
5	Ø4	R
6	Ø4	R
7	Ø1	R
8	Ø1	R
9	Ø6	Y
10	Ø6	Y
11	Ø3	R
12	Ø8	R
13	Ø8	R
P1	Ø2	Y
P2	Ø2	Y

VIDEO DETECTION ASSIGNMENTS

ZONE ASSIGNMENT	SIZE	CAMERA	MODE	DISTANCE FROM STOP LINE
Ø1-1	6X50	V1	PRESENCE	-3'
Ø1-2	6X50	V1	PRESENCE	-3'
Ø2-1	6X50	V1	PRESENCE	-3'
Ø2-2	6X50	V1	PRESENCE	-3'
Ø3-1	6X50	V1	PRESENCE	-3'
Ø4-1	6X50	V1	PRESENCE	-3'
Ø5-1	6X50	V1	PRESENCE	-3'
Ø6-1	6X50	V1	PRESENCE	-3'
Ø7-1	6X50	V1	PRESENCE	-3'
Ø8-1	6X50	V1	PRESENCE	-3'
Ø8-2	6X50	V1	PRESENCE	-3'

WIRING DIAGRAM



7C - TRAFFIC SIGNAL CABLE
5C - PED SIGNAL CABLE
VD - VIDEO DETEECTION CABLE
PRE - PREEMPTION CABLE
#F - # OF FIBER OPTIC CABLE

LEGEND

SIGNAL HEAD

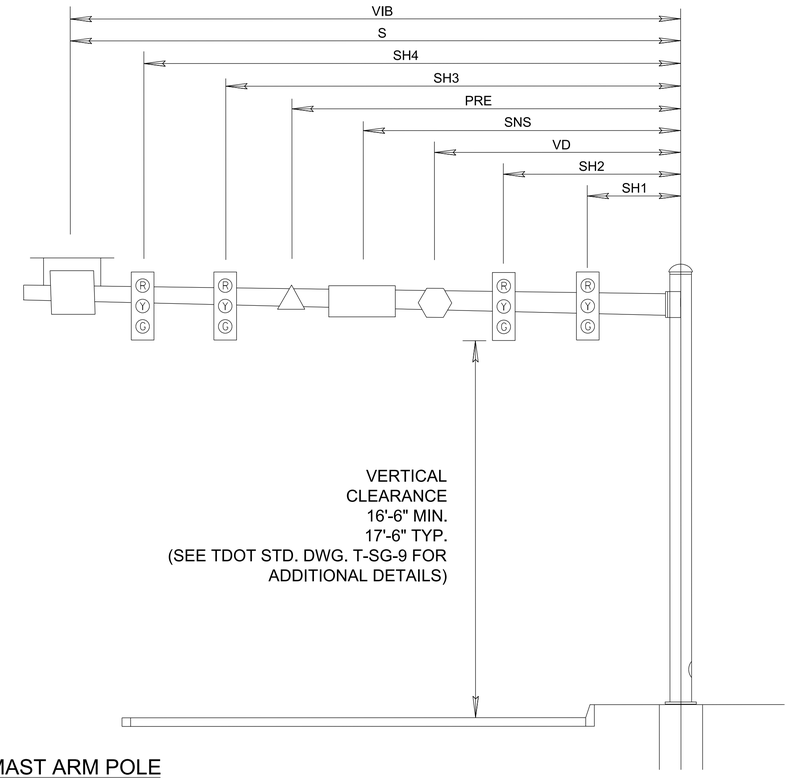
STREET NAME SIGN

SIGN

VEHICLE DETECTOR (VIDEO/RADAR)

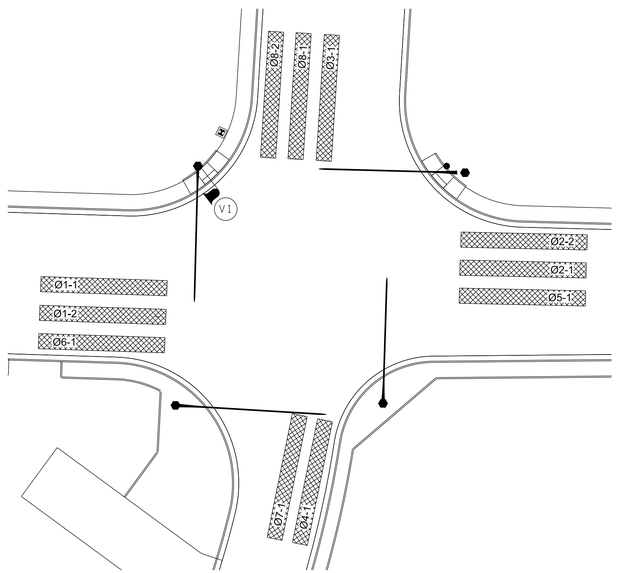
PRE-EMPTION

S:	SIGN
SNS:	STREET NAME SIGN
SHX:	SIGNAL HEAD
VD:	VEHICLE DETECTOR (VIDEO/RADAR)
PRE:	PRE-EMPTION



MAST ARM POLE

DETECTION DIAGRAM



POLE	STATION	OFFSET	NORTHING	EASTING	ARM LENGTH	SNS	SH1	SH2	SH3	SH4	PRE	ELEV.
1	75+37.02	49' LT.	574262.9004	1709509.4186	55'	33'-10"	27'-4"	38'-4"	49'-10"		44'-1"	689.99
2	75+31.09	46' RT.	574244.6064	1709602.8333	60'	36'-3"	30'-7"	41'-7"	53'-1"			687.97
3	76+12.98	43' RT.	574326.4259	1709610.2975	50'	18'-7"	14'-1"	23'-1"	32'-1"	43'-1"	37'-7"	688.18
4	76+43.06	49' LT.	574367.8839	1709522.6468	55'	34'-9"	30'-6"	39'-1"	47'-8"			689.39

* MAST ARM MOUNTING HEIGHT FOR ALL MAST ARMS IS 20'

R.O.W.

PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNAL WIRING

COLUMBIA AVE. AT DOWNS BLVD.
SCALE: 1"= 30'

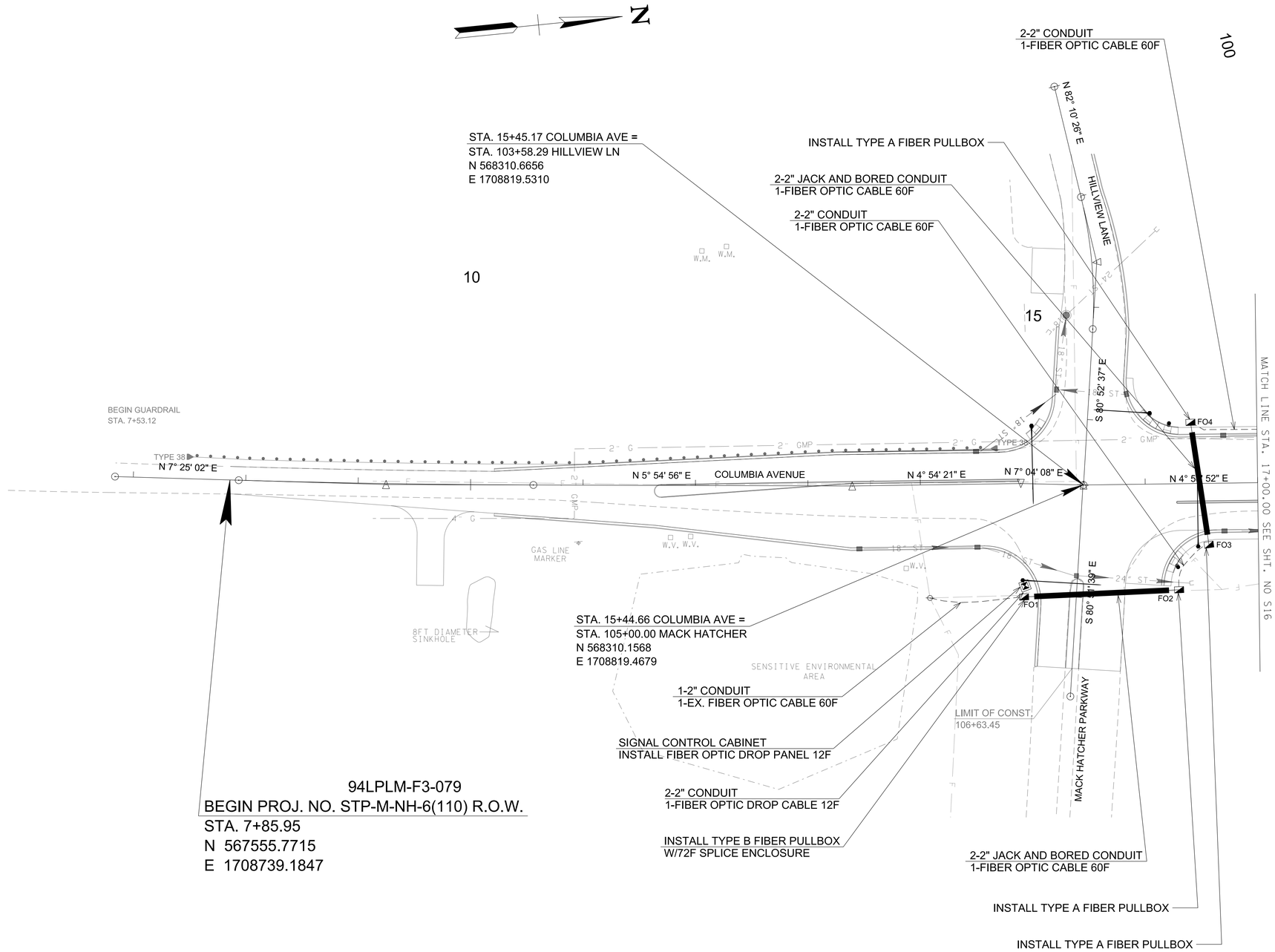
BARGE DESIGN SOLUTIONS

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$TIME$
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	S15



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNAL INTERCONNECT

STA. 7+85.95 TO STA. 17+00.00

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	S16

STA. 22+98.48 COLUMBIA AVE =
STA. 111+38.32 SHOPPING CENTER
N 569059.5092
E 1708900.1952

STA. 28+47.88 COLUMBIA AVE =
STA. 126+29.60 SHADOW GREEN DR
N 569605.0124
E 1708965.5358

WIDOW NEELY BRANCH

INSTALL TYPE A FIBER PULLBOX

INSTALL TYPE A FIBER PULLBOX

2-2" CONDUIT
1-FIBER OPTIC CABLE 60F

2-2" JACK AND BORED CONDUIT
1-FIBER OPTIC CABLE 60F

2-2" JACK AND BORED CONDUIT
1-FIBER OPTIC CABLE 60F

LIMIT OF CONST.
110+57.25

LIMIT OF RESURFACING
119+54.54

LIMIT OF CONST.
120+25.00

SHOPPING CENTER S 82° 46' 26" E

S 83° 10' 11" E

PRIVATE ROAD(1)

SHADOW GREEN DRIVE

S 83° 32' 36" E

20

110

25

125

30

MATCH LINE STA. 17+00.00 SEE SHT. NO S15

MATCH LINE STA. 30+00.00 SEE SHT. NO S17

COLUMBIA AVENUE

N 4° 58' 52" E

N 7° 13' 34" E

FO5

FO6

FO7

FO8

FO9

FO10

STOP-686.54

29" X 45"

29" X 45"

INSTALL TYPE B FIBER PULLBOX
W/12F SPLICE ENCLOSURE

2-2" CONDUIT
1-FIBER OPTIC DROP CABLE 12F

SIGNAL CONTROL CABINET
INSTALL FIBER OPTIC DROP PANEL 12F

2-2" JACK AND BORED CONDUIT
1-FIBER OPTIC CABLE 60F

INSTALL TYPE A FIBER PULLBOX

STA. 26+19.63 COLUMBIA AVE =
STA. 121+44.10 PRIVATE RD(1)
N 569378.3802
E 1708938.3897

2-2" CONDUIT
1-FIBER OPTIC CABLE 60F

STA. 28+52.24 COLUMBIA AVE =
STA. 130+00.00 SOUTHEAST PKWY
N 569609.3436
E 1708966.0497

INSTALL TYPE B FIBER PULLBOX
W/12F SPLICE ENCLOSURE

2-2" CONDUIT
1-FIBER OPTIC DROP CABLE 12F

SIGNAL CONTROL CABINET
INSTALL FIBER OPTIC DROP PANEL 12F

2-2" JACK AND BORED CONDUIT
1-FIBER OPTIC CABLE 60F

SOUTHEAST PARKWAY

S 77° 54' 48" E

S 81° 38' 40" E

S 82° 04' 01" E

2-2" CONDUIT
1-FIBER OPTIC CABLE 60F

INSTALL TYPE A FIBER PULLBOX

N

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNAL INTERCONNECT

STA. 17+00.00 TO STA. 30+00.00

SCALE: 1"= 50'

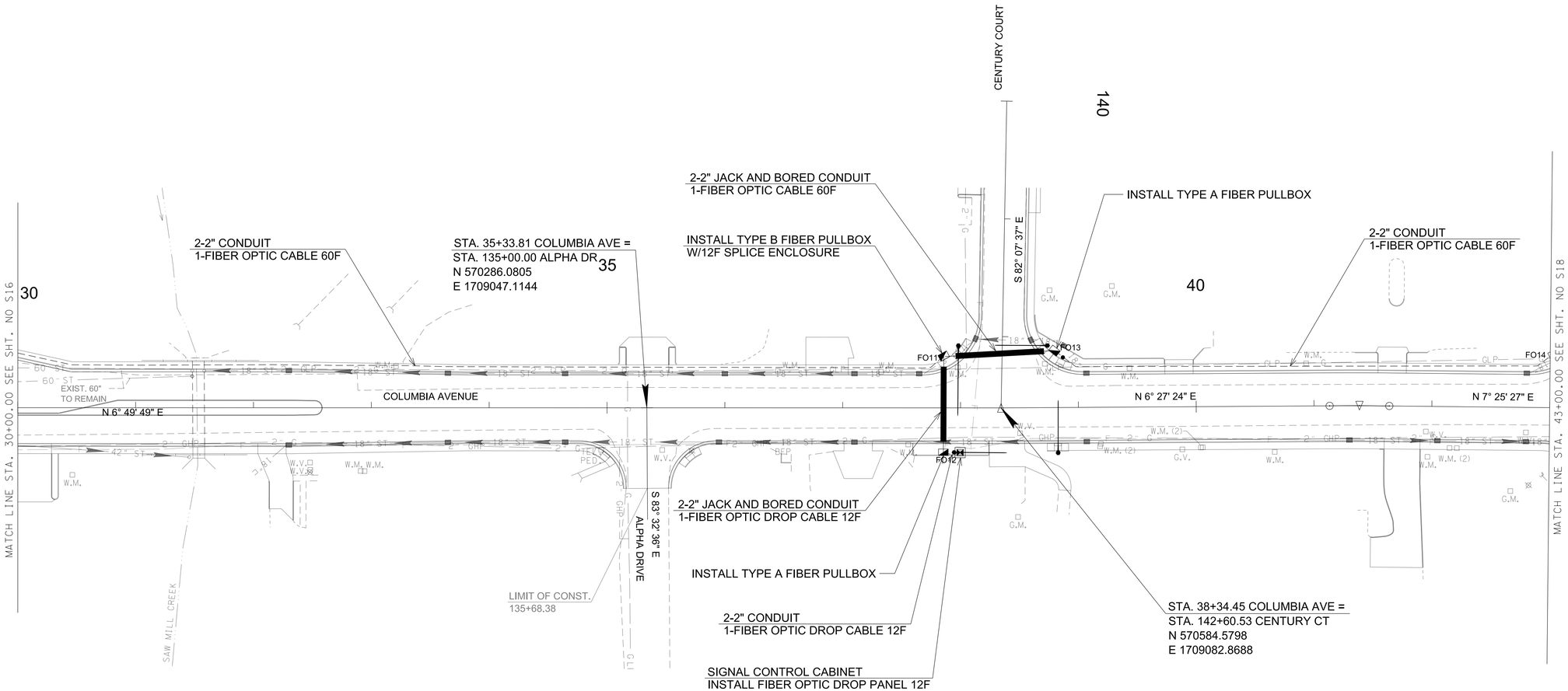
BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	S17



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNAL INTERCONNECT

STA. 30+00.00 TO STA. 43+00.00

SCALE: 1"= 50'

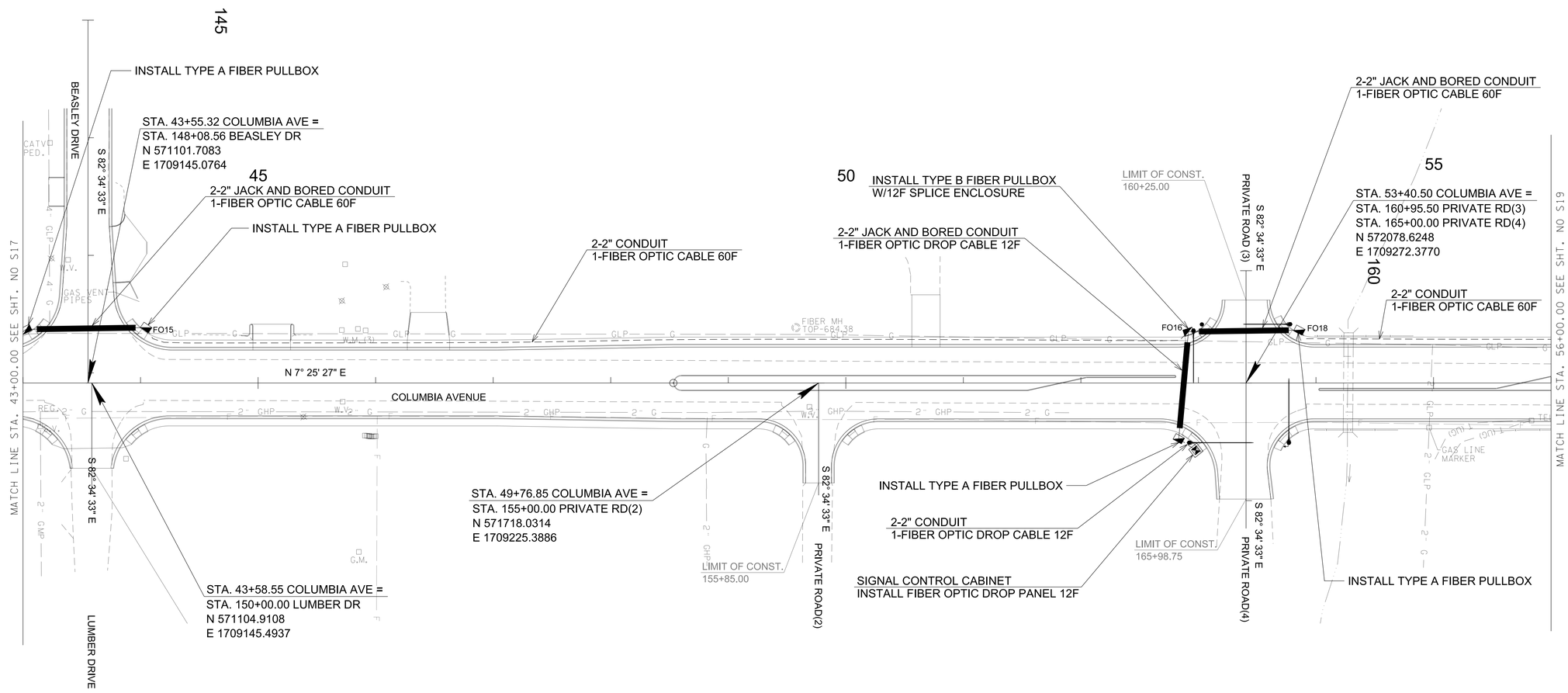
BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	S18



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNAL INTERCONNECT

STA. 43+00.00 TO STA. 56+00.00

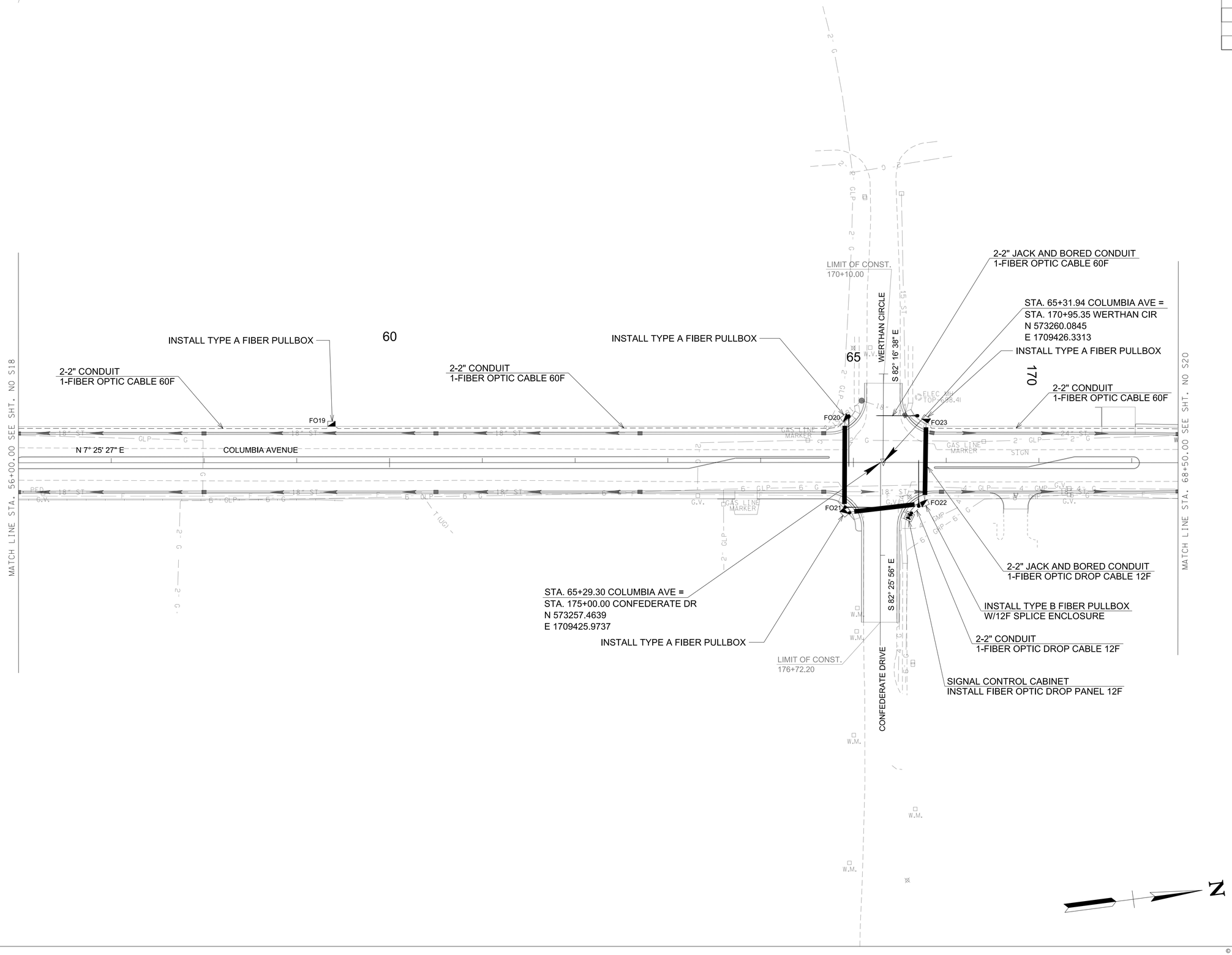
SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

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$INSTR$
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	S19



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNAL INTERCONNECT

STA. 56+00.00 TO STA. 68+50.00

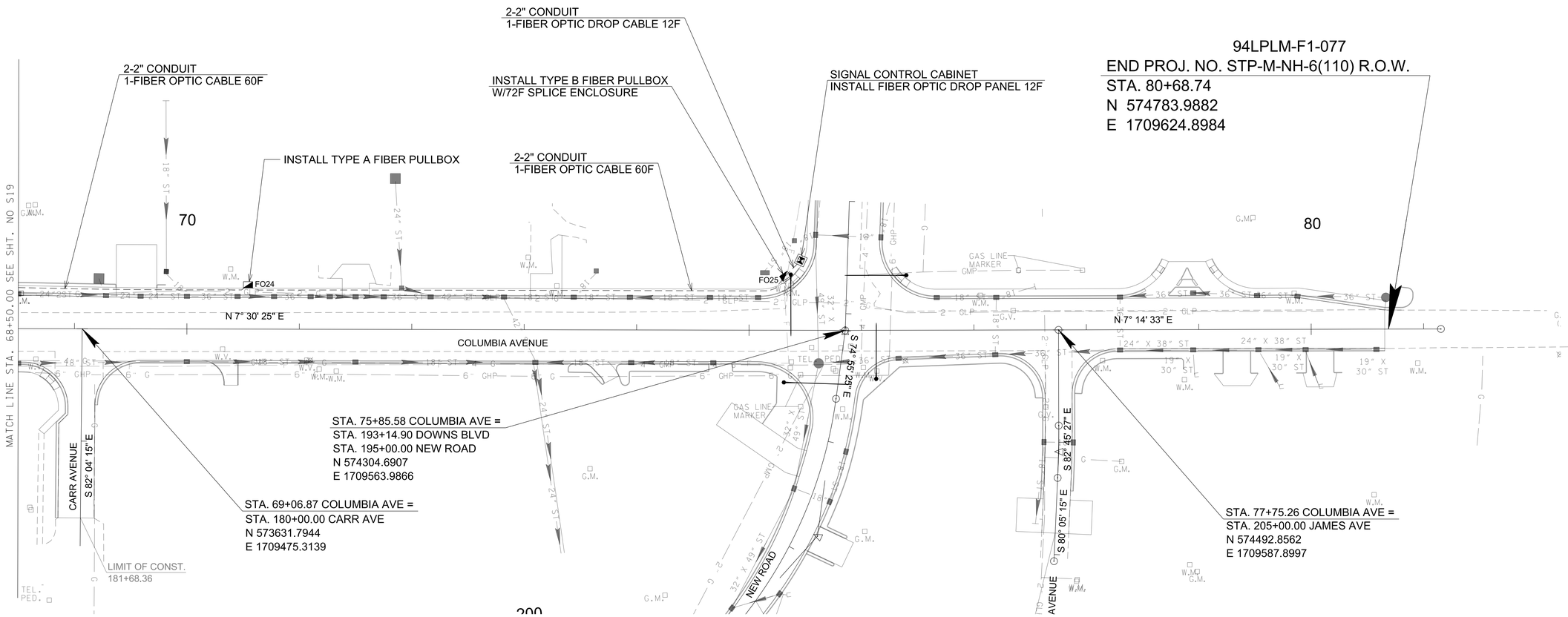
SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	S20



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

SIGNAL INTERCONNECT

STA. 68+50.00 TO STA. 80+68.74

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-01

UTILITY SHEET INDEX

SHEET NUMBER	SHEET NAME
U1-1	UTILITIES INDEX AND ESTIMATED QUANTITIES
U1-2	GENERAL NOTES
U1-3 - U1-16	UTILITIES - WATER - PLAN AND PROFILE VIEW
U1-17 - U1-28	UTILITIES - RECLAIMED WATER - PLAN AND PROFILE VIEW
U1-29 - U1-41	UTILITIES - GAS - PLAN AND PROFILE VIEW
U1-42 - U1-48	UTILITIES - SANITARY SEWER - PLAN AND PROFILE VIEW

ESTIMATED QUANTITIES

R.O.W.

PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

UTILITIES INDEX AND ESTIMATED QUANTITIES

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7/10/2024
10:46:54
dmstone
TDOTFull.pen

F:±36±36291±3629102±04_CAD±TRNS±Plot±90% Utility Plans±3629102_U1-01_Utilities Title.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-02

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE ENGINEER FOR THE LATEST, UPDATED SPECIFICATIONS FOR THE UTILITY.

GENERAL NOTES

1. THE CONTINUED OPERATION OF THE EXISTING UTILITIES DURING INSTALLATION OF NEW UTILITIES IS PARAMOUNT. BRIEF INTERRUPTIONS IN UTILITY OPERATIONS ARE POSSIBLE WITH ADEQUATE NOTIFICATION. CONTRACTOR MUST COORDINATE ANY ACTIVITY THAT MAY REQUIRE INTERRUPTION IN UTILITY OPERATION WITH OWNER AND ENGINEER.

2. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. ADDITIONAL UTILITIES MAY NOT BE SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR LOCATIONS SHOWN. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES (INCLUDING STORM DRAIN PIPES AND STRUCTURES) BEFORE COMMENCING WORK. THE CONTRACTOR AGGREES TO BE FULLY RESPOSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES.

3. IF EXISTING UTILITIES ARE FOUND TO BE IN CONFLICT WITH NEW UTILIITES AND MUST REMAIN IN SERVICE, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO TEMPORARILY RELOCATE THE EXISTING UTILITY IF REQUIRED. NO SEPARATE PAYMENT WILL BE MADE FOR TEMPORARILY RELOCATING UTILITIES.

4. CONTRACTOR SHALL VERIFY EXISTING PIPE MATERIAL, SIZE, LENGTH AND ELEVATION SHOWN ON DRAWINGS.

5. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER WORK UNDER CONSTRUCTION AND THE OWNER. THE CONTRACTOR SHALL NOTIFY THE OWNER 48 HOURS PRIOR TO ANY TIE-IN OF THE NEW WORK TO EXISTING LINES.

6. FILL MATERIAL REQUIRED, IF ANY, SHALL BE FURNISHED AT THE CONTRACTOR'S EXPENSE.

7. IN THE EVENT OF ANY DISCREPANCIES AND/OR ERRORS FOUND IN THE DRAWINGS, OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE OWNER/ENGINEER BEFORE PROCEEDING WITH THE WORK. IF OWNER/ENGINEER IS NOT NOTIFIED, THE CONTRACTOR SHALL TAKE RESPONSIBILITY FOR THE COST OF ANY REVISION.

8. CONTRACTOR TO FURNISH AND INSTALL FITTINGS AS REQUIRED.

9. ALL OF THE EXCESS MATERIAL WHICH IS UNSUITABLE FOR USE IN THE CONSTRUCTION OF THIS PROJECT SHALL BE REMOVED AND LEGALLY DISPOSED OF BY THE CONTRACTOR IN WASTE AREAS FURNISHED BY THE CONTRACTOR AFTER APPROVAL OF THE ENGINEER.

10. PIPES 4" IN DIAMETER AND GREATER TO BE ABANDONED AS SHOWN ON DRAWINGS SHALL BE FILLED WITH FLOWABLE FILL. PIPES LESS THAN 4" IN DIAMETER SHALL BE CAPPED OR PLUGGED ON EACH OPEN END.

11. ALL SECTIONS OF THE EXISTING UTILITIES SHOWN TO BE ABANDONED ON THE DRAWINGS SHALL BE REMOVED AS NECESSARY TO AVOID CONFLICTS WITH THE NEW UTILITIES. IF A NEW LINE CROSSES AN EXISTING UTILITY WITH LESS THAN ONE FOOT VERTICAL SEPARATION, THE EXISTING UTILITY SHALL BE REMOVED FOR A LENGTH GREATER THAN THE TRENCH WIDTH. NO SEPARATE PAYMENT WILL BE MADE FOR THE REMOVAL OF THE EXISTING UTILITIES.

SEWER NOTES

1. THE NEW SANITARY SEWER LINES AND MANHOLES MUST BE INSTALLED, TESTED, APPROVED, AND PLACED INTO SERVICE PRIOR TO THE INSTALLATION OF THE OTHER NEW UTILITIES.

2. ALL SEWER LINE CONSTRUCTION SHALL CONFORM TO THE CURRENT REQUIREMENTS OF THE CITY OF FRANKLIN.

3. ALL SEWER SERVICE LATERALS / CLEANOUTS MAY NOT BE SHOWN. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF ALL LATERALS PRIOR TO INSTALLATION OF NEW UTILITIES. CONTRACTOR SHALL RECONNECT ALL SEWER LATERALS TO THE NEW GRAVITY SEWER WHERE THE EXISTING SEWER IS REPLACED. CONTRACTOR SHALL REPLACE ALL LATERALS IN CONFLICT WITH NEW UTILITIES. CONTRACTOR SHALL CONSULT OWNER / ENGINEER IF ADJUSTMENTS TO NEW UTILITIES IS REQUIRED TO REMOVE CONFLICT PRIOR TO INSTALLATION OF UTILITY.

4. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SEWER FLOW DURING ALL PHASES OF CONSTRUCTION. A FLOW MANAGEMENT PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

5. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT NO OVERFLOWS OR SPILLAGE OF SEWER OCCURS. SHOULD THIS OCCUR, THE CONTRACTOR SHALL:

A. IDENTIFY THE SOURCEOF SPILL AND ATTEMPT TO ELIMINATE ANY ADDITIONAL SPILLAGE.
B. CONTAIN THE SPILL IN PLACE AND PREVENT CONTIMATION OF STREAMS.
C. CLEAN UP SPILL AND DISPOSE OF CONTAMINATED MATERIALS.
D. DISINFECT THE AREA OF THE SPILL WITH A MIXTURE OF HTH CHLORINE AND WATER.
E. IDENTIFY AND TRAIN PERSONNEL RESPONSIBLE FOR SPILLAGE PREVENTATION AND CONTROL.

6. NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE FOR THIS WORK. ALL WORK SHALL BE DONE ACCORDING TO GUIDELINES SET BY TDEC.

WATER NOTES

1. ALL WATER LINE CONSTRUCTION SHALL CONFORM TO THE CURRENT REQUIREMENTS OF THE CITY OF FRANKLIN.

2. NEW WATER MAIN SHALL BE INSTALLED, TESTED, AND APPROVED PRIOR TO COMPLETION OF SERVICE CHANGEOVERS. EXISTING LINES SHALL NOT BE ABANDONED UNTIL ALL SERVICES ARE CONNECTED TO THE NEW LINES.

3. EXISTING WATER METERS AND BOXES SHALL BE REPLACED WITH NEW METERS AND BOXES.

4. LOCATIONS OF WATER SERVICE LINES SHOWN ARE APPROXIMATE. ALL SERVICE LINES MAY NOT BE SHOWN OR MAY REQUIRE ADDITIONAL LENGTH OF REPLACEMENT THAN WHAT IS SHOWN.

5. IF VERTICAL BENDS ARE REQUIRED TO INSTALL 8"TO 12"WATER LINES, APPROVAL IS REQUIRED FROM OWNER/ENGINEER PRIOR TO INSTALLATION.

6. CONTRACTOR SHALL PROVIDE NEW WATER SERVICE ASSEMBLIES TO ALL PROPERTIES PER CITY OF FRANKLIN STANDARDS. RECONNECT EXISTING PRIVATE SERVICE LINES BEHIND EXISTING METER TO NEW METER BOXES. EXACT LOCATION OF SERVICE AND MATERIAL TYPE TO BE COORDINATED WITH THE CITY OF FRANKLIN. CON TRACTOR SHALL ENSURE SERVICE ROUTING AVOIDS CONFLICTS WITH PROPOSED UTILITIES.

GAS GENERAL NOTES

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE ENGINEER FOR THE LATEST, UPDATED SPECIFICATIONS FOR THE UTILITY. REFER TO "ATMOS ENERGY SPECIFICATIONS FOR CONTRACTORS", PART FOUR, FOR COMPLETE MATERIAL SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO PIPE STENCIL REQUIREMENTS, SURFACE PREPARATION, TOLERANCES, ETC.

2. CONSULT ATMOS ENERGY FOR LIST OF APPROVED MANUFACTURERS AND COMPLIANCE WITH "BUY-AMERICA ACT" BEFORE ORDERING MATERIALS.

3. WELDING OF GAS PIPELINES:

a. 100% OF THE MAINLINE WELDS ON THIS PROJECT ARE TO BE NON-DESTRUCTIVELY TESTED.

b. THE CONTRACTOR SHALL SUBMIT HIS NDT SUBCONTRACTOR'S CREDENTIALS TO THE ENGINEER, AT THE ADDRESS GIVEN ABOVE, PRIOR TO BEGINNING ANY WORK ON THE PROJECT. GENERALLY, BUTT WELDS SHALL BE TESTED BY RADIOGRAPHIC EXAMINATION. FILLET WELDS (SUCH AS AT TIE-INS) ARE GENERALLY TESTED BY MAGNETIC PARTICLE FLUX EXAMINATION.

c. EACH CONTRACTOR EMPLOYEE JOINING STEEL PIPE MUST BE CERTIFIED AS AN API-1104 WELDER, PER ATMOS ENERGY'S WELDING PROCEDURES. THE WELDING SPECIFICATION FOR BUTT WELDS IS WPS-S62GA. THE FILLET WELD SPECIFICATION FOR LINESTOPPERS IS WPS-S62FA. THE FILLET WELD SPECIFICATION FOR TAPPING TEES IS WPS-S62FA.

4. BENDS AND ELBOWS:
a. ALL BENDING SHALL BE DONE BY AN APPROVED, SMOOTH, COLD BENDING METHOD, USING AN APPROVED BENDING MACHINE WITH FULL ENCIRCLEMENT BENDING SHOE.

b. CARE SHALL BE TAKEN TO PREVENT ANY WRINKLE BENDS. ALL WRINKLE BENDS SHALL BE REMOVED, NO EXCEPTIONS.

c. WHEN TRIMMING AN ELBOW, A MINIMUM OF ONE INCH OF ARC, MEASURED ALONG THE CROTCH, SHALL BE MAINTAINED.

5. COATING OF FIELD JOINTS:
a. THE WELDED JOINTS SHALL BE SANDBLASTED, PER NACE STANDARD NO. 2, SSPC-SP10, NEAR-WHITE BLAST CLEANING WITH THE USE OF ABRASIVES. JOINTS WILL BE COVERED USING TWO-PART EPOXY, FOLLOW MANUFACTURER'S INSTRUCTIONS ON APPLYING THE TWO-PART EPOXY.

b. TAPPING FITTINGS MAY BE CLEANED WITH POWER BRUSH, AND WRAPPED WITH PRIMER AND WAX TAPE.

c. PIPE SHALL BE CHECKED WITH MEDIUM VOLTAGE HOLIDAY DETECTOR BEFORE AND AFTER LOWERING INTO THE TRENCH.

6. TESTING, POLYETHYLENE PIPE:
a. PRIOR TO TESTING, THE PIPELINE SHALL BE CLEANED BY BLOWING PIGS WITH COMPRESSED AIR THROUGH THE PIPELINE TO REMOVE CONSTRUCTION DIRT, SCALE, AND FOREIGN MATERIAL FROM THE PIPELINE.

b. TEST PRESSURE FOR POLYETHYLENE MAIN SHALL BE 150 (+25, -0) PSIG FOR TWELVE HOURS, PLUS A RECORDING CHART. THE CHART SHALL SHOW THE PRESSURE INCREASE, FROM ZERO TO THE TEST PRESSURE, AND THE PRESSURE DECREASE BACK TO ZERO, AFTER THE TEST IS JUDGED SUCCESSFUL.

7. TESTING, STEEL PIPE:
a. PLEASE NOTE, THE TEST MEDIUM FOR THE STEEL PIPE SHALL BE NITROGEN.

b. PRIOR TO TESTING, PIPELINE MUST BE CLEANED BY BLOWING PIGS WITH COMPRESSED AIR A SUFFICIENT NUMBER OF TIMES TO ENSURE THE REMOVAL OF ALL CONSTUCTION DIRT, RUST, SCALE, AND ALL FOREIGN MATTER IN THE PIPELINE.

c. TEST PRESSURE SHALL BE 1110 PSIG (+15, -0) FOR 12 HOURS, PLUS A RECORDING CHART. THE TEST SHALL CONFORM TO DOT 192.507, NAMELY,

(1) THE CONTRACTOR MUST USE A TEST PROCEDURE THAT WILL ENSURE DISCOVERY OF ALL POTENTIALLY HAZARDOUS LEAKS IN THE SEGMENT BEING TESTED;
(2) DURING THE TEST, IF NATURAL GAS, INERT GAS, OR AIR IS THE TEST MEDIUM,
(A) A LEAK TEST MUST BE MADE AT A PRESSURE BETWEEN 100 PSIG AND 775 PSIG; OR
(B) THE LINE MUST BE WALKED TO CHECK FOR LEAKS WHILE THE TEST PRESSURE IS HELD AT APPROXIMATELY 775 PSIG.

d. THE RECORDING CHART SHALL SHOW BOTH THE PRESSURE INCREASE, AS THE LINE IS BEING PRESSURIZED, AND THE PRESSURE DECREASE, AFTER THE TEST IS JUDGED TO BE SUCCESSFUL.

8. TESTING, SERVICE LINES: THE EXISTING PE SERVICE LINES SHALL BE TESTED TO A PRESSURE OF 125 (+5, -0) PSIG FOR AT LEAST FIFTEEN MINUTES. CONSULT THE ATMOS INSPECTOR FOR GUIDANCE ON TESTING EXISTING SERVICES.

9. CATHODIC PROTECTION: ATMOS ENERGY WILL INSTALL CATHODIC PROTECTION TEST STATIONS, IN COORDINATION WITH THE CONTRACTOR. THE CONTRACTOR WILL CONTACT ATMOS ENERGY ENGINEERING DEPARTMENT TO SCHEDULE THIS WORK. IN NO EVENT SHOULD THE AREAS OF TEST STATIONS (AS SHOWN ON THE PLANS) BE BACKFILLED PRIOR TO THE INSTALLATION OF THE TEST STATIONS.

10. TIE-INS TO EXISTING MAIN:
a. PLEASE NOTE, THE GAS CONTRACTOR IS RESPONSIBLE FOR ALL TAPPING OPERATIONS.

b. THE TIE-INS TO THE EXISTING MAIN SHALL BE DONE IN THE PRESENCE OF AN ATMOS INSPECTOR, WITHOUT EXCEPTION.

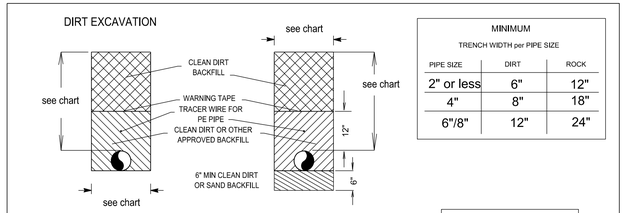
c. THE ATMOS INSPECTOR IS NECESSARY TO DETERMINE THAT ALL AIR AND TEST MEDIUM IS PURGED FROM THE PIPELINE, AND THAT NO HAZARDOUS GAS-AIR MIXTURE IS PRESENT.

d. ATMOS ENERGY WILL BE RESPONSIBLE FOR TURNING THE GAS BACK ON TO INDIVIDUAL CUSTOMERS. THE CONTRACTOR SHALL COORDINATE WITH THE ATMOS INSPECTOR TO RESTORE SERVICE IN A SAFE, TIMELY MANNER.

11. DITCH:
a. THE PIPE SHALL BE LAID ON UNDISTURBED OR WELL COMPACTED SOIL, NOT ON CLODS OR ROCKS. WHERE ROCK IS ENCOUNTERED, IT SHALL BE REMOVED FOR A DISTANCE OF SIX INCHES (6") BELOW THE PIPE. SUITABLE PADDING SHALL BE PLACED FOR A DEPTH OF AT LEAST SIX INCHES (6") BELOW THE PIPE.

b. WHERE THE NATURAL BACKFILL MATERIAL IS DEEMED INJURIOUS TO THE PIPE, THE PIPE SHALL BE PADDED WITH SUITABLE PADDING TO A DEPTH OF AT LEAST EIGHTEEN INCHES (18") ABOVE THE PIPE.

c. BACKFILL MATERIAL SHALL BE FREE FROM LARGE ROCKS AND SHARP ROCKS FOR AT LEAST THE FIRST EIGHTEEN INCHES (18") COVERING THE PIPE. WHEN COMPACTING BACKFILL, SPECIAL CARE MUST BE EXERCISED TO PREVENT DAMAGE TO THE PIPE. WHEN HEAVY EQUIPMENT, SUCH AS HYDRO-HAMMERS AND VEHICLE WHEELS, IS USED TO COMPACT BACKFILL, A CUSHION OF TWENTY-FOUR INCHES (24") SHALL BE PROVIDED.



PROJECT-SPECIFIC TRENCH - 2", 4", 6", & 8" MAINS

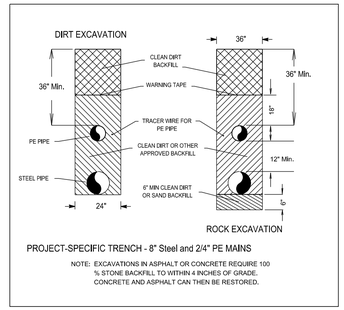
NOTE: EXCAVATIONS IN ASPHALT OR CONCRETE REQUIRE 100 % STONE BACKFILL TO WITHIN 4 INCHES OF GRADE. CONCRETE AND ASPHALT CAN THEN BE RESTORED.

MINIMUM TRENCH WIDTH per PIPE SIZE

PIPE SIZE	DIRT	ROCK
2" or less	6"	12"
4"	8"	18"
6"/8"	12"	24"

MINIMUM COVER

PIPE	COVER
PE	36"
STEEL	48"



PROJECT-SPECIFIC TRENCH - 8" Steel and 2/4" PE MAINS

NOTE: EXCAVATIONS IN ASPHALT OR CONCRETE REQUIRE 100 % STONE BACKFILL TO WITHIN 4 INCHES OF GRADE. CONCRETE AND ASPHALT CAN THEN BE RESTORED.

12. DO NOT EXCEED PIPE MANUFACTURER'S RECOMMENDATIONS FOR MAXIMUM ALLOWED BENDING RADII.

13. ALL GAS LINE CONSTRUCTION SHALL BE COMPLETED BY AN ATMOS ENERGY APPROVED CONTRACTOR.

14. ALL GAS LINE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF FRANKLIN'S AND TDOT'S STANDARD SPECIFICATIONS AND DETAILS. TDOT SPECIFICATIONS AND DETAILS AVAILABLE UPON REQUEST TO ATMOS ENERGY.

15. CONTRACTOR TO FIELD VERIFY ALL UTILITIES.

16. LOCATIONS OF GAS SERVICE LINES SHOWN ARE APPROXIMATE. ALL SERVICE LINES MAY NOT BE SHOWN.

17. REPLACE ALL SERVICE LINES WITH ¾" HDPE. INSTALL RISERS AND CUSTOMER METER LOOPS, COORDINATE AND ASSIST WITH THE CUSTOMER TIE OVERS WITH THE ATMOS ENERGY REPRESENTATIVE

OPERATOR QUALIFICATIONS

THE NATURAL GAS WORK IS REGULATED BY THE CODE OF FEDERAL REGULATIONS, TITLE 49, PARTS 192 AND 199.
TO COMPLY WITH THE REGULATIONS, THE CONTRACTOR MUST BE A SUBSCRIBER TO ISNETWORLD ("ISN"),
WITHOUT EXCEPTION.

ISNETWORLD
3232 MCKINNEY AVENUE, SUITE 1500
DALLAS, TEXAS 75204
1.800.976.1303
WWW.ISNETWORLD.COM

IN ADDITION, THE CONTRACTOR, UTILIZING AN OPERATOR QUALIFICATION (OQ) PLAN APPROVED BY ATMOS ENERGY, MUST USE THE SERVICES OF AN APPROVED OQ ASSESSMENT PROVIDER TO ADMINISTER AND MANAGE THEIR TRAINING AND QUALIFICATION ASSESSMENT PROCESS, TO ENSURE COMPLIANCE WITH THE OQ PLAN, AND TO ENSURE RECORDS ARE SUBMITTED TO ISN BY THE PROCESS ESTABLISHED BY ISN.

THE FOLLOWING OQ ASSESSMENT PROVIDERS ARE APPROVED BY ATMOS ENERGY:

ENERGY WORLDNET, INC.
940.626.1941
WWW.ENERGYWORLDNET.COM

TWO OF THE OQ COVERED TASKS ARE SUPPORTED WITH CERTIFICATIONS: WELDING OF STEEL PIPELINES; JOINING PLASTIC PIPE WITH HEAT. THESE CERTIFICATIONS WILL BE PERFORMED BY ATMOS ENERGY. CONTACT THE ENGINEER, AT THE ADDRESS GIVEN, TO SCHEDULE THESE CERTIFICATIONS.

IN ADDITION, TO COMPLY WITH CFR, TITLE 49, PART 199, THE CONTRACTOR MUST SUBMIT THEIR SUBSTANCE ABUSE PLAN TO NATIONAL COMPLIANCE MANAGEMENT SERVICE, INC. FOR REVIEW AND APPROVAL.

NATIONAL COMPLIANCE MANAGEMENT SERVICE, INC.
7 COMPOUND DRIVE
HUTCHINSON, KANSAS 67502-4349
620.669.4428
WWW.NATIONALCOMPLIANCE.COM

MINIMUM OPERATOR QUALIFICATION (OQ) TASKS

TASK	SPAN OF CONTROL
E01 - WELDING IN A FIXED POSITION USING MANUAL METAL ARC WELD	1 TO 0
E02 - WELDING BRANCH CONNECTIONS USING MANUAL METAL ARC WELD	1 TO 0
E06 - VISUAL INSPECTION OF STEEL WELDS	1 TO 0
F01 - JOINING OR CAPPING OF POLYETHYLENE PIPE WITH ELECTROFUSION (COUPLING FUSION)	1 TO 0
F02 - JOINING OF POLYETHYLENE PIPE WITH ELECTROFUSION (SADDLE FUSION)	1 TO 0
F03 - JOINING OR CAPPING OF POLYETHYLENE PIPE WITH HEAT FUSION (BUTT FUSION)	1 TO 0
F06 - JOINING OF POLYETHYLENE PIPE WITH MECHANICAL COMPRESSION COLLAR FITTING	1 TO 0
F08 - JOINING OF POLYETHYLENE PIPE WITH BOLT ON TAPPING TEE	1 TO 0
F12 - JOINING DISSIMILAR PIPE TYPES	1 TO 0
G01 - REPAIRING STEEL PIPE - DISTRIBUTION	1 TO 3
G03 - INSTALLATION / EXCAVATION OF PIPELINE	1 TO 1
H03 - INSTALLING / REPLACING SERVICE LINES	1 TO 3
I05 - INSTALLING / REPLACING CP TEST LEADS TO PIPE	1 TO 1
I06 - INSTALLING ANODES AND INSULATING DEVICES	1 TO 1
I07 - INSPECTING FOR EXTERNAL CORROSION AND INSPECTING, INSTALLING AND REPAIRING PIPE COATING	1 TO 3
I09 - INTERNAL CORROSION CONTROL	1 TO 3
L01 - TAPPING STEEL PIPELINES UNDER PRESSURE	1 TO 1
L02 - ACTIVATING AND PURGING / BLOWDOWN PIPELINE	1 TO 1
L04 - TAPPING PIPELINES UNER PRESSURE WITH SELF-TAPPING TEE	1 TO 1
M03 - LOCATING AND MARKING LINES	1 TO 1
M04 - TESTING SERVICE LINES (NEW AND REINSTATING)	1 TO 1
M05 - TESTING MAINS AND TRANSMISSION LINES	1 TO 1
M08 - PREVENTING ACCIDENTAL IGNITION	1 TO 1
M11 - ABANDONING / DEACTIVATING OR SHUTTING DOWN GAS FACILITIES	1 TO 3
M14 - DAMAGE PREVENTION DURING EXCAVATION OR ENCROACHMENT	1 TO 1
M16 - RECOGNIZE AND REACT TO GENERIC ABNORMAL OPERATING CONDITIONS (AOC)	1 TO 1
M17 - INSTALLING / MAINTAINING PIPELINE MARKERS	1 TO 3

R.O.W.

PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

GENERAL NOTES

BARGE DESIGN SOLUTIONS

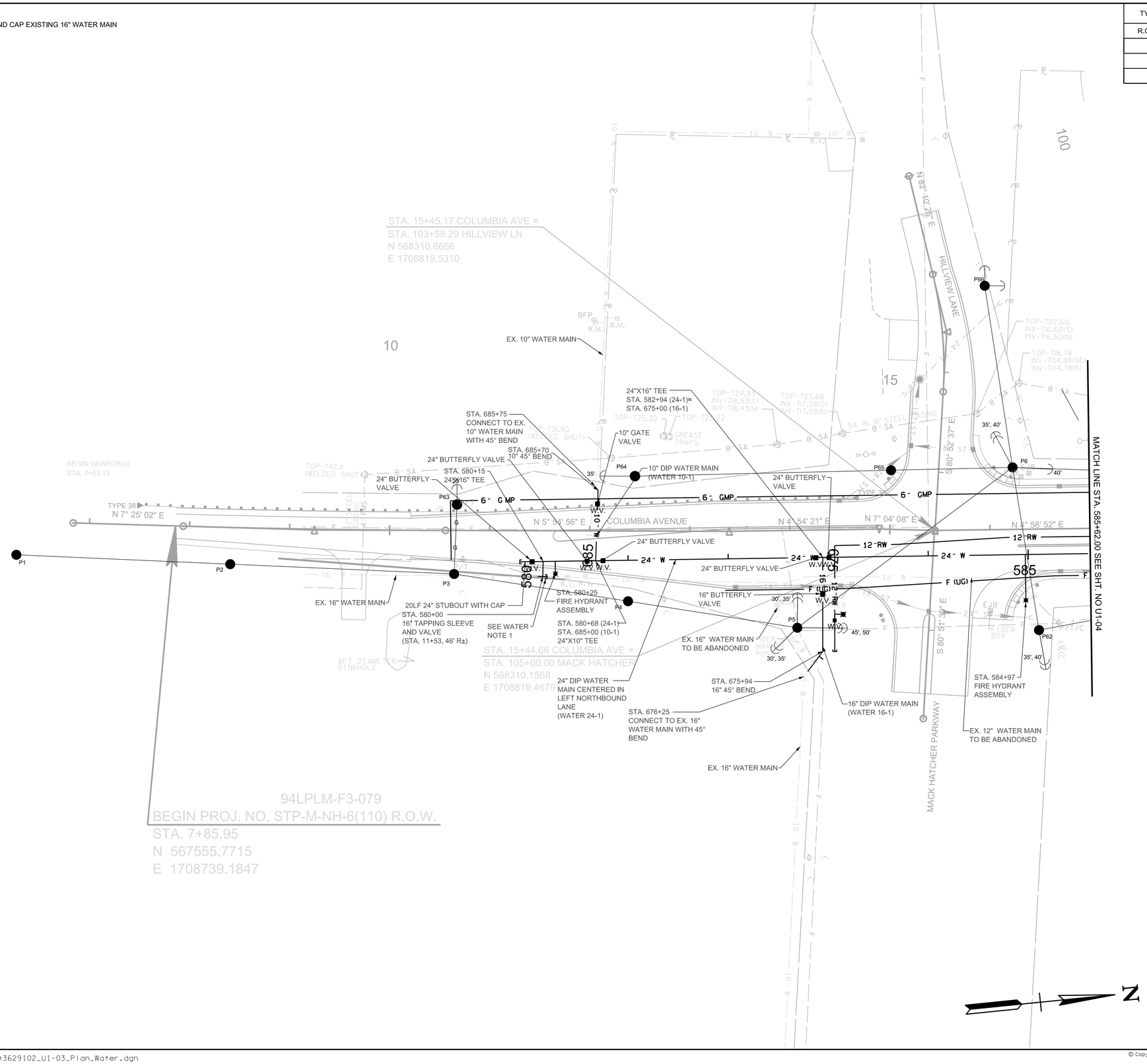
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WATER NOTE:
1) AFTER NEW WATER MAIN IS INSTALLED, TESTED, AND APPROVED, CUT AND CAP EXISTING 16" WATER MAIN ON NORTH SIDE OF EXISTING VALVE.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-03



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - WATER

STA. 580+00.00 TO STA. 585+62.00

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-04

STA. 22+98.48 COLUMBIA AVE =
STA. 111+38.32 SHOPPING CENTER
N 569059.5092
E 1708900.1952

STA. 28+47.88 COLUMBIA AVE =
STA. 126+29.60 SHADOW GREEN DR
N 569605.0124
E 1708965.5358

STA. 26+19.63 COLUMBIA AVE =
STA. 121+44.10 PRIVATE RD(1)
N 569378.3802
E 1708938.3897

STA. 28+52.24 COLUMBIA AVE =
STA. 130+00.00 SOUTHEAST PKWY
N 569609.3436
E 1708966.0497

MATCH LINE STA. 585+62.00 SEE SHT. NO U1-03

MATCH LINE STA. 598+61.00 SEE SHT. NO U1-05

STA. 682+83
8" 45° BEND

STA. 682+93
CONNECT TO EX. 8"
WATER MAIN WITH 45°
BEND

8" GATE VALVE

STA. 587+28 (24-1)=
STA. 682+00 (8-2)
24"X8" TEE

8" DIP WATER MAIN
(WATER 8-2)

24" DIP WATER MAIN
CENTERED IN LEFT
NORTHBOUND LANE
(WATER 24-1)

24" BUTTERFLY VALVE (2)

EX. 12" WATER MAIN
TO BE ABANDONED

STA. 589+27
FIRE HYDRANT
ASSEMBLY

RECONNECT 3/4"
SERVICE LINE

STA. 595+03 (24-1)=
STA. 651+00 (10-2)
24"X10" TEE

STA. 652+52
CONNECT TO EX. 10"
WATER MAIN WITH 10"
45° BEND

STA. 652+49
10" 45° BEND

10" DIP
WATER MAIN
(WATER 10-2)

10" GATE
VALVE

RELOCATE AND
REPLACE EX. 2"
WATER METER

STA. 593+95
FIRE HYDRANT
ASSEMBLY

24" BUTTERFLY
VALVE (2)

REPLACE EX. 1"
WATER METER

INSTALL POLYETHYLENE ENCASEMENT
FROM STA. 595+00 TO STA. 621+00

STA. 654+38
CONNECT TO EX.
10" WATER MAIN
WITH 10" 45° BEND

STA. 654+16
10" 45° BEND

24" BUTTERFLY
VALVE

RECONNECT 1 ½"
SERVICE LINE

10" DIP WATER
MAIN (WATER 10-3)

10" GATE
VALVE

STA. 597+92 (24-1)=
STA. 680+00 (12-3)
24"X12" TEE

24" BUTTERFLY
VALVE

12"
BUTTERFLY
VALVE

12" DIP WATER
MAIN WITH
POLYETHYLENE
ENCASEMENT
(WATER 12-3)

STA. 680+54
12" 45° BEND

STA. 680+72
CONNECT TO EX.
12" WATER MAIN
WITH 12" 45° BEND

24" BUTTERFLY
VALVE

STA. 597+17 (24-1)=
STA. 653+00 (10-3)
24"X10" TEE

EX. 12" WATER
MAIN

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - WATER

STA. 585+62.00 TO STA. 598+61.00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-05

MATCH LINE STA. 598+61.00 SEE SHT. NO U1-04

MATCH LINE STA. 611+61.00 SEE SHT. NO U1-06

RECONNECT 6" FIRE SERVICE LINE

RELOCATE AND REPLACE EX. 2" WATER METER

RECONNECT 1" IRRIGATION LINE

RECONNECT 1" SERVICE LINE

20LF JACK AND BORE 36" STEEL CASING 24" DIP CARRIER

STA. 599+00 FIRE HYDRANT ASSEMBLY

RELOCATE AND REPLACE EX. 3/4" WATER METER

STA. 603+50 FIRE HYDRANT ASSEMBLY

24" BUTTERFLY VALVE

STA. 655+57 10" 45° BEND

RELOCATE AND REPLACE EX. 3/4" METER AND BACKFLOW PREVENTER

STA. 604+04 (24-1)= STA. 655+00 (10-4) 24"X10" TEE

24" BUTTERFLY VALVE

10" GATE VALVE

10" DIP WATER LINE WITH POLYETHYLENE ENCASEMENT (WATER 10-4)

STA. 655+65 CONNECT TO EX. 8" WATER MAIN WITH 10" 45° BEND AND REDUCER

EX. 8" WATER MAIN

INSTALL POLYETHYLENE ENCASEMENT FROM STA. 595+00 TO STA. 621+00

RELOCATE AND REPLACE EX. 3/4" WATER METER AND BACKFLOW PREVENTERS

24" DIP WATER MAIN CENTERED IN LEFT NORTHBOUND LANE (WATER 24-1)

RELOCATE AND REPLACE EX. 3/4" WATER METER

24" BUTTERFLY VALVE

24" BUTTERFLY VALVE

EX. 12" WATER MAIN TO BE ABANDONED

RELOCATE AND REPLACE EX. 3/4" WATER METER

EX. 8" WATER MAIN

STA. 657+50 CONNECT TO EX. 8" WATER MAIN WITH 12" 45° BEND AND REDUCER

STA. 657+34 12" 45° BEND

RELOCATE AND REPLACE EX. 3/4" WATER METER

12" BUTTERFLY VALVE

STA. 607+01 (24-1)= STA. 656+00 (12-4) 24"X12" TEE

RELOCATE AND REPLACE EX. 3/4" WATER METER

RELOCATE AND REPLACE EX. 3/4" WATER METER

STA. 609+00 FIRE HYDRANT ASSEMBLY

STA. 608+75 ± AIR RELEASE VALVE LOCATE AT HIGH POINT

RELOCATE AND REPLACE EX. 3/4" WATER METER

8" GATE VALVE

RECONNECT 8" FIRE SERVICE LINE, 2-45° BENDS

STA. 610+52 24" X 8" TEE

STA. 611+48 24" X 6" TEE

6" GATE VALVE

RECONNECT EX. 6" FIRE SERVICE LINE, 2-45° BENDS

6" DOUBLE DETECTOR CHECK VALVE ASSEMBLY

RECONNECT EX. 3/4" WATER METER

STA. 35+33.81 COLUMBIA AVE = STA. 135+00.00 ALPHA DR
N 570286.0805
E 1709047.1144

STA. 38+34.45 COLUMBIA AVE = STA. 142+60.53 CENTURY CT
N 570584.5798
E 1709082.8688

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - WATER

STA. 598+61.00 TO STA. 611+61.00

SCALE: 1"= 50'

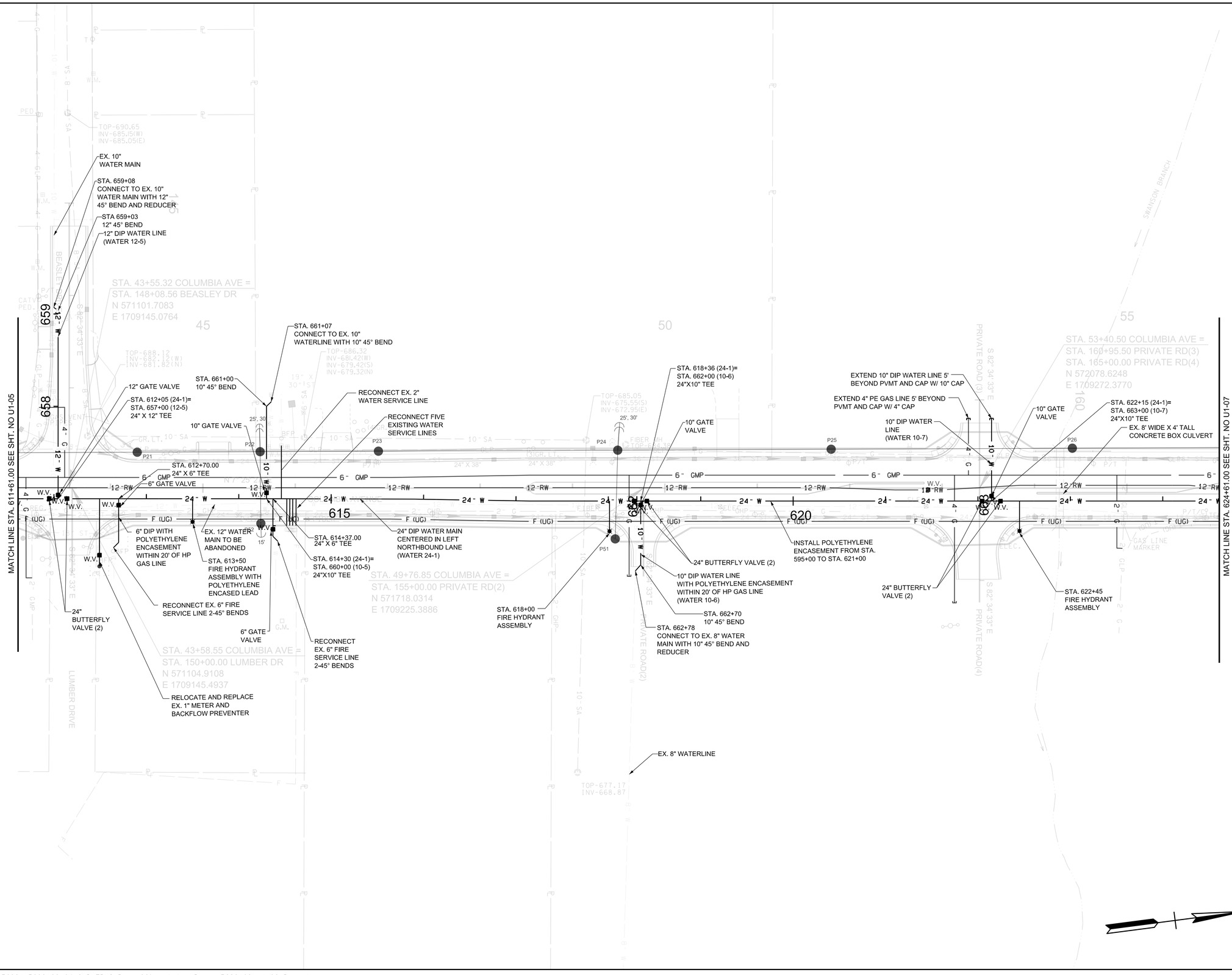
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-06



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - WATER

STA. 611+61.00 TO STA. 624+61.00

SCALE: 1"= 50'

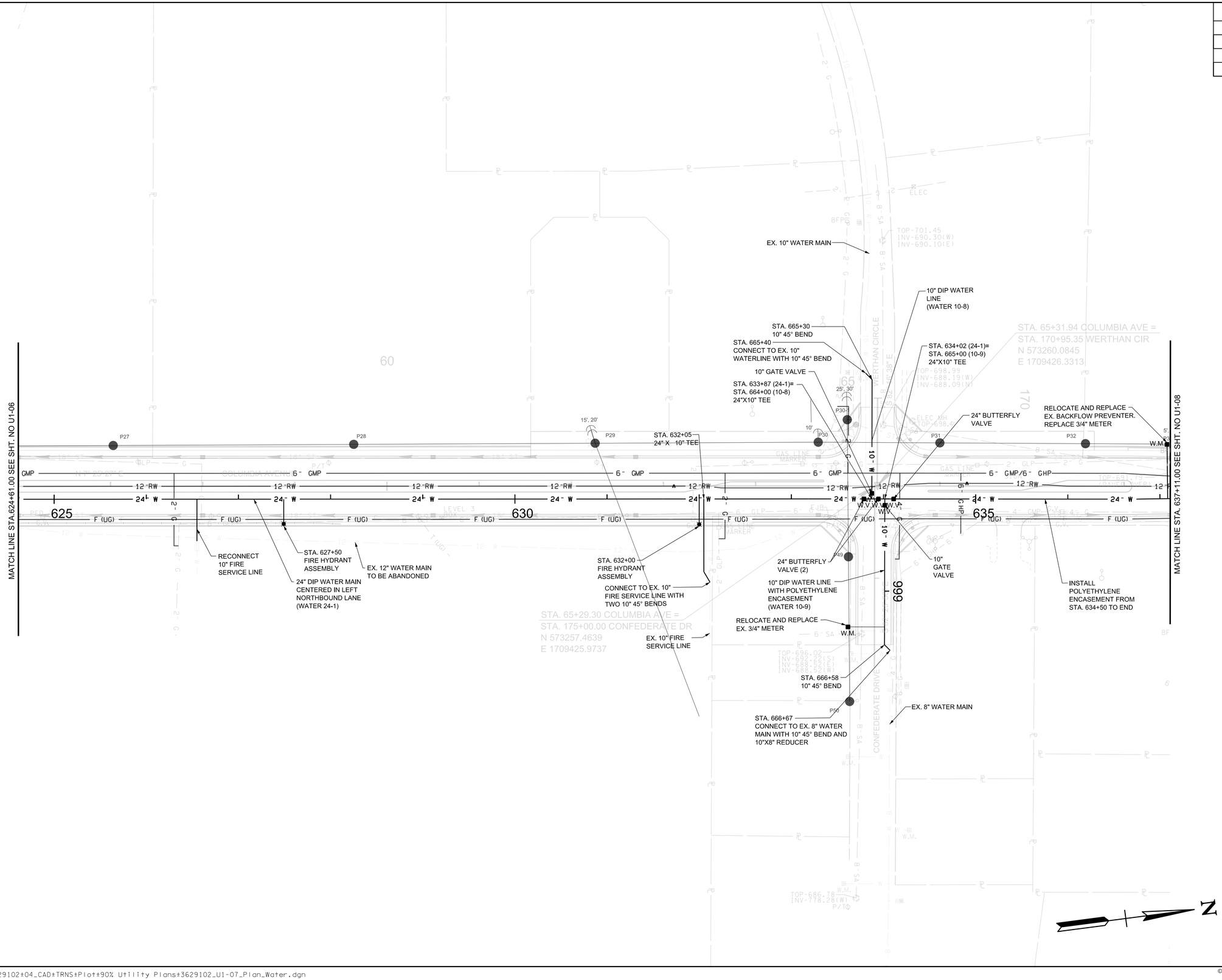
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-07



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - WATER

STA. 624+61.00 TO STA. 637+11.00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-08

STA. 648+56
24" 45° BEND

EX. 12" RECLAIMED WATERLINE

STA. 648+92.30
CONNECT TO EX. 24" WATERLINE WITH 45° BEND

24" BUTTERFLY VALVE

STA. 648+41
FIRE HYDRANT ASSEMBLY WITH POLYETHYLENE ENCASED LEAD

STA. 646+00 (24-1)=
STA. 668+00 (12-1)
24"X12" TEE

12" GATE VALVE

12" DIP WATER MAIN (WATER 12-1)

24" BUTTERFLY VALVE (2)

STA. 668+44
CONNECT TO EX. 12" WATERLINE WITH 90° BEND

RELOCATE AND REPLACE EX. 1" METER AND BACKFLOW PREVENTER

INSTALL POLYETHYLENE ENCASEMENT FROM STA. 634+50 TO END

24"X12" REDUCER

RELOCATE AND REPLACE EX. 3/4" METER

12" GATE VALVE

RECONNECT EX. 3/4" WATER METER

RELOCATE AND REPLACE EX. 3/4" METER

STA. 643+25 ± ARV LOCATE AT HIGHEST POINT

24" BUTTERFLY VALVE (3)

12" BUTTERFLY VALVE (2)

RELOCATE AND REPLACE EX. 3/4" WATER METER

STA. 674+95
12"X6" TEE

20 LF 12" DIP STUBOUT WITH PLUG

24" BUTTERFLY VALVE

STA. 637+29 (24-1)=
STA. 667+00 (10-10)
24"X10" TEE

24" BUTTERFLY VALVE

RECONNECT EX. 1.5" WATER METER

MATCH LINE STA. 637+11.00 SEE SHT. NO U1-07

EX. 12" WATER MAIN TO BE ABANDONED

RELOCATE EX. 2" METER

12" DIP WATER MAIN CENTERED IN CENTER TURN LANE
EX. 6" WATER MAIN TO BE ABANDONED

12" GATE VALVE

6" GATE VALVE

STA. 673+02
FIRE HYDRANT ASSEMBLY

CONNECT TO EX. 6" WATER MAIN WITH 90° BEND

10" DIP WATER MAIN WITH POLYETHYLENE ENCASEMENT (WATER 10-10)

RELOCATE AND REPLACE EX. 3/4" METER

STA. 643+36
FIRE HYDRANT ASSEMBLY

24" DIP WATER MAIN CENTERED IN LEFT NORTHBOUND LANE (WATER 24-1)

RELOCATE AND REPLACE EX. 3/4" WATER METER

RELOCATE AND REPLACE EX. 3/4" WATER METER

RELOCATE AND REPLACE EX. 3/4" METER AND BACKFLOW PREVENTER

STA. 672+10 (12-2)=
STA.676+00 (8-1)
12"X8" TEE

RECONNECT EX. 3/4" WATER METER

STA. 667+28
FIRE HYDRANT ASSEMBLY

10" GATE VALVE

CONNECT TO EX. 8" FIRE SERVICE LINE WITH 90° BEND

STA. 670+18.12 (12-2) =
STA. 850+00 (10-11)
12"X10" TEE

8" GATE VALVE

8" DIP WATER MAIN (WATER 8-1)

STA. 667+45
CONNECT TO EX. 8" WATER MAIN WITH 10"X8" REDUCER AND 8" 45° BEND

10" GATE VALVE

STA. 850+48
10" X 8" TEE

STA. 677+86
8" 45° BEND

STA.667+38
10" 45° BEND

STA. 644+35 (24-1)=
STA. 670+00 (12-2)
24" TEE

STA. 677+96
CONNECT TO EX. 6" WATER MAIN WITH 8"X6" REDUCER AND 6" 45° BEND

10" DIP IN WATER MAIN CENTERED IN SE BOUND LANE (WATER 10-11)

EX. 8" WATER MAIN

EX. 6" WATER MAIN

FIRE HYDRANT WITH 6" GATE VALVE AND 10" X 6" REDUCER

94LPLM-F3-079
END PROJ. NO. STP-M-NH-6(110) PRELIM.
STA. 80+68.74
N 574783.9882
E 1709624.8984

STA. 75+85.58 COLUMBIA AVE =
STA. 193+14.90 DOWNS BLVD
STA. 195+00.00 NEW ROAD
N 574304.6907
E 1709563.9866

STA. 69+06.87 COLUMBIA AVE =
STA. 180+00.00 CARR AVE
N 573631.7944
E 1709475.3139

STA. 77+75.26 COLUMBIA AVE =
STA. 205+00.00 JAMES AVE
N 574492.8562
E 1709587.8997

R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - WATER

STA. 637+11.00 TO 648+92.30

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

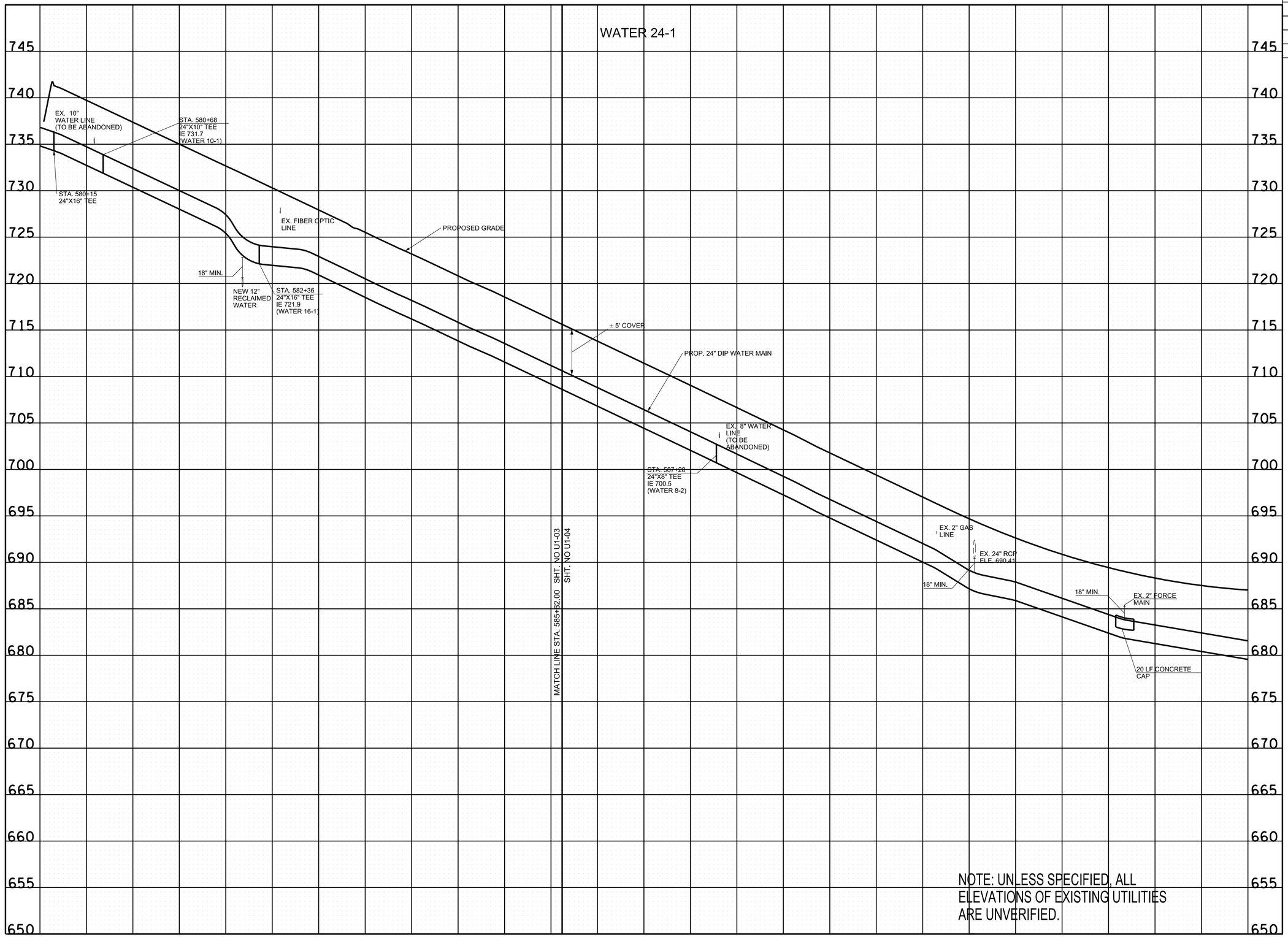
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-09

WATER 24-1



NOTE: UNLESS SPECIFIED, ALL ELEVATIONS OF EXISTING UTILITIES ARE UNVERIFIED.

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - WATER

STA. 580+00 TO STA. 593+00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

BARGE DESIGN SOLUTIONS

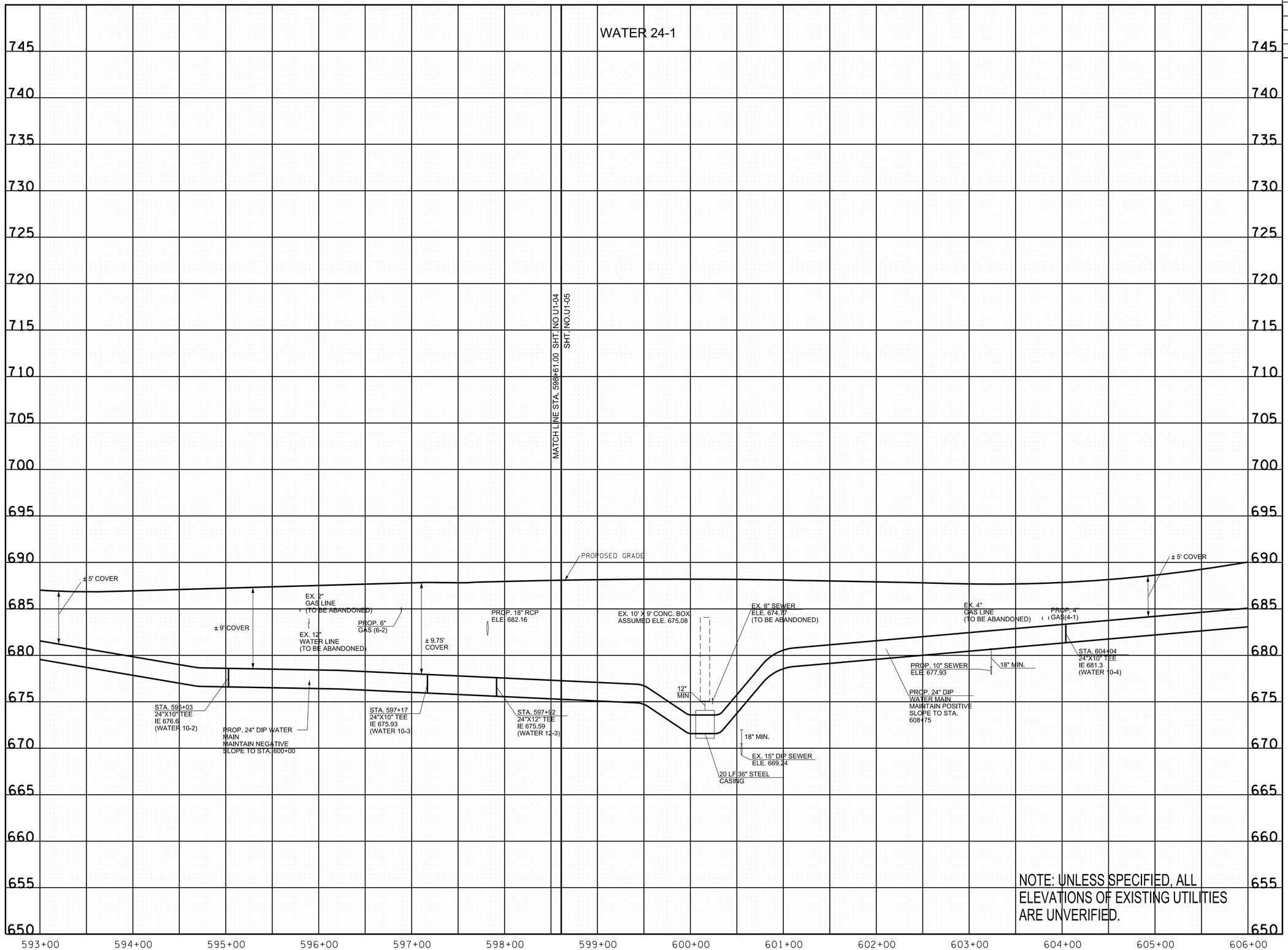
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-10

WATER 24-1



NOTE: UNLESS SPECIFIED, ALL ELEVATIONS OF EXISTING UTILITIES ARE UNVERIFIED.

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - WATER

STA. 593+00 TO STA. 606+00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

BARGE DESIGN SOLUTIONS

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WATER 24-1

MATCH LINE STA. 611+61.00 SHT. NO U1-05
SHT. NO U1-06

STA. 609+75
AIR RELEASE VALVE
LOCATE AT HIGH POINT

± 5' COVER

PROP. 24" DIP
WATER MAIN
MAINTAIN NEGATIVE SLOPE
TO STA. 621+00 ±

EX. FIBER OPTIC
LINE

EX. 8" WATER LINE
(TO BE ABANDONDED)

PROP. 4"
GAS(4-3)

EX. 10"
WATER LINE
(TO BE ABANDONED)

PROPOSED GRADE

STA. 607+01
24"X10" TEE
IE 684.5
(WATER 12-4)

EX. 8" SEWER
ELE. 684.51
(TO BE REMOVED)

PROP. 24" DIP
WATER MAIN
MAINTAIN POSITIVE
SLOPE TO STA.
608+75

STA. 612+05
24"X12" TEE
IE 682.2
(WATER 12-5)

EX. 10"
WATER LINE
(TO BE ABANDONED)

STA. 614+24
24"X10" TEE
IE 679.2
(WATER 10-5)

PROP. 4"
GAS(4-9)

EX. 10" SEWER
ELE. 672.20

STA. 618+36
24"X10" TEE
IE 676.9
(WATER 10-6)

NOTE: UNLESS SPECIFIED, ALL ELEVATIONS OF EXISTING UTILITIES ARE UNVERIFIED.

745 740 735 730 725 720 715 710 705 700 695 690 685 680 675 670 665 660 655 650

606+00 607+00 608+00 609+00 610+00 611+00 612+00 613+00 614+00 615+00 616+00 617+00 618+00 619+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-11

R.O.W.

PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - WATER

STA. 606+00 TO STA. 619+00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

BARGE DESIGN SOLUTIONS

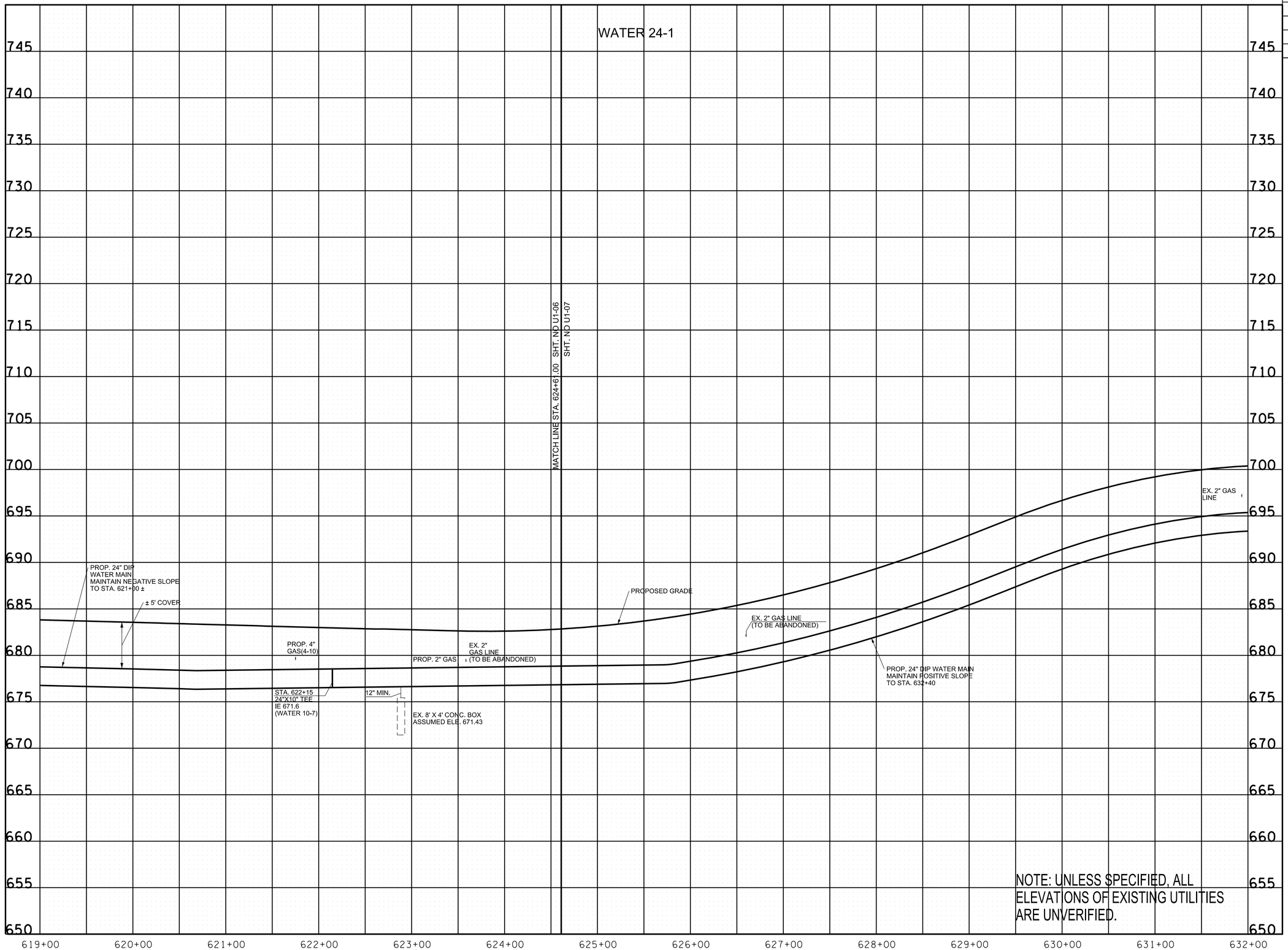
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-12

WATER 24-1



NOTE: UNLESS SPECIFIED, ALL ELEVATIONS OF EXISTING UTILITIES ARE UNVERIFIED.

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - WATER

STA. 619+00 TO STA. 632+00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

BARGE DESIGN SOLUTIONS

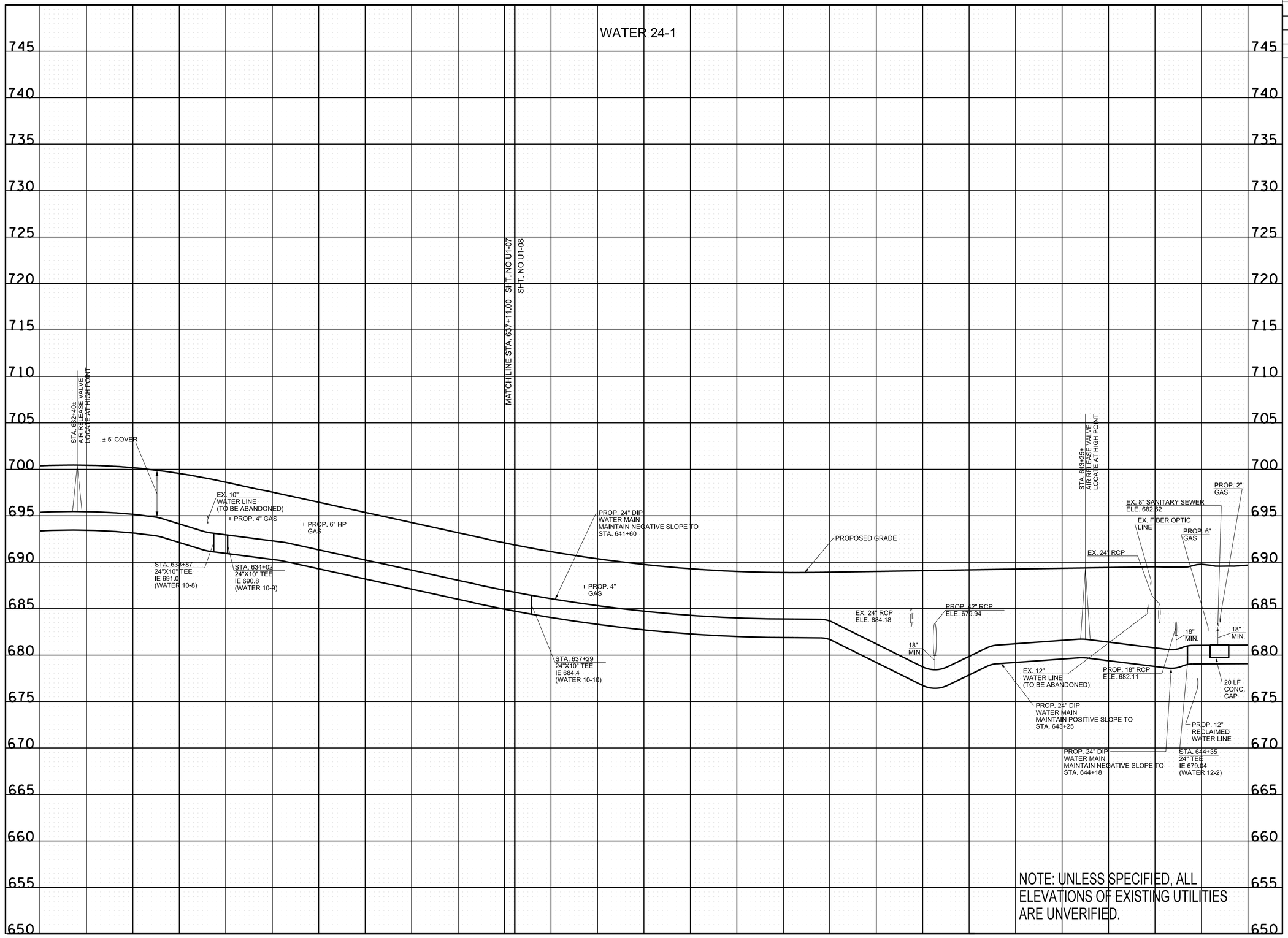
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-13

WATER 24-1



NOTE: UNLESS SPECIFIED, ALL ELEVATIONS OF EXISTING UTILITIES ARE UNVERIFIED.

R.O.W.

PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - WATER

STA. 632+00 TO STA. 645+00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

BARGE DESIGN SOLUTIONS

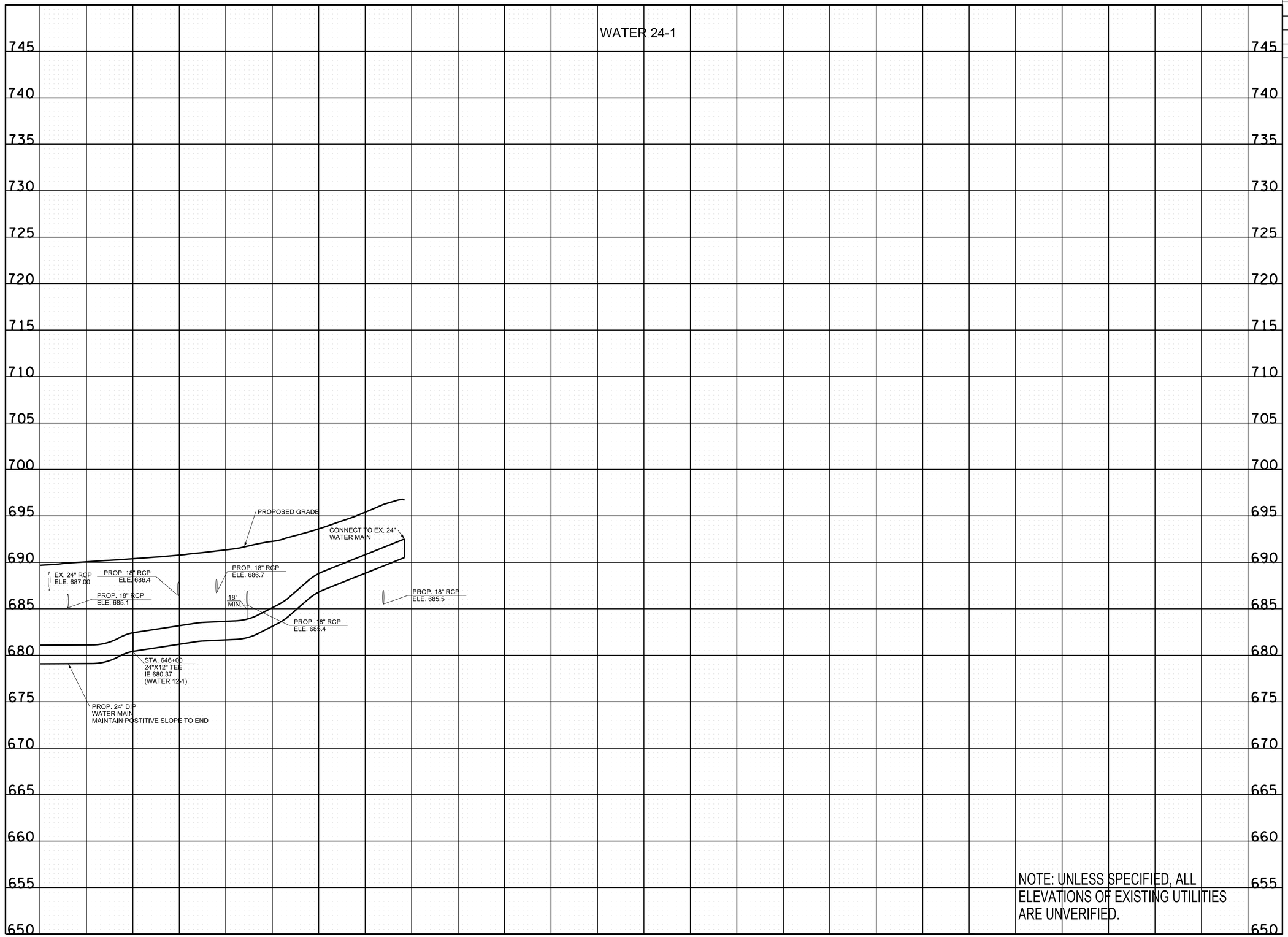
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-14

WATER 24-1



NOTE: UNLESS SPECIFIED, ALL ELEVATIONS OF EXISTING UTILITIES ARE UNVERIFIED.

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - WATER

STA. 645+00 TO STA. 658+00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

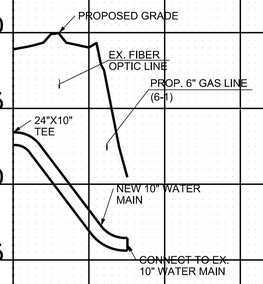
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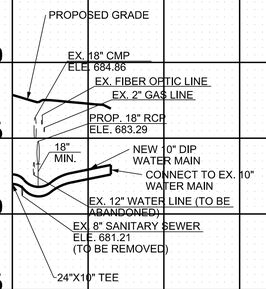
WATER 10-1 (SHT. U1-03)



WATER 10-2 (SHT. U1-04)

WATER 10-3 (SHT. U1-04)

WATER 10-4 (SHT. U1-05)

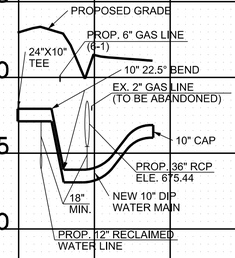


WATER 10-5 (SHT. U1-06)

WATER 10-6 (SHT. U1-06)

NOTE: UNLESS SPECIFIED, ALL ELEVATIONS OF EXISTING UTILITIES ARE UNVERIFIED.

WATER 10-7 (SHT. U1-06)



WATER 10-8 (SHT. U1-07)

WATER 10-9 (SHT. U1-07)

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-15

R.O.W.

PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - WATER

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

BARGE DESIGN SOLUTIONS

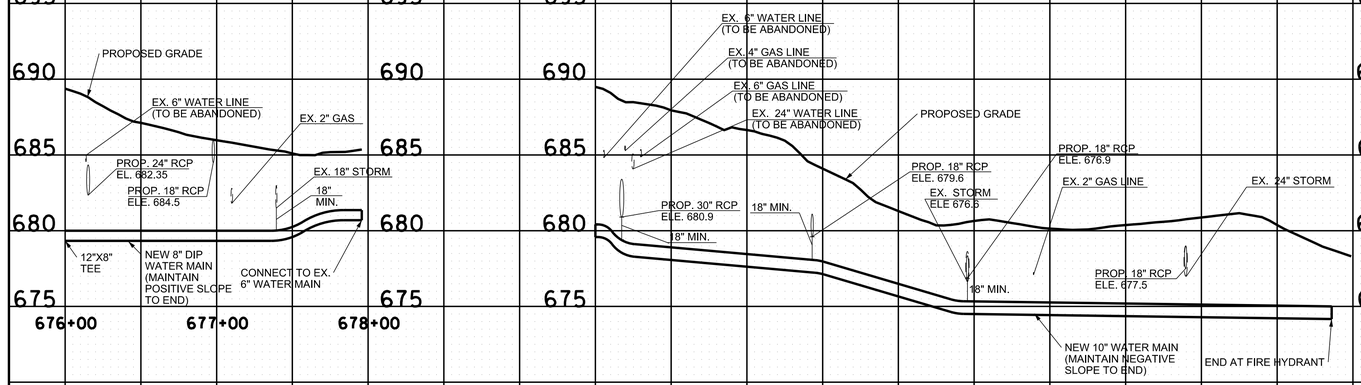
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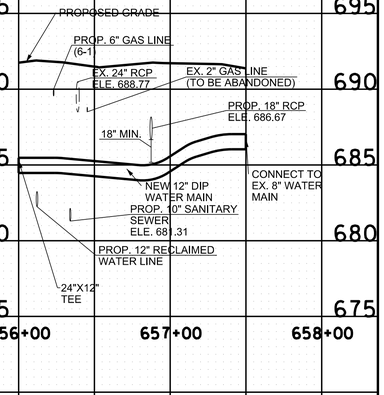
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-16

WATER 10-11 (SHT. U1-08)

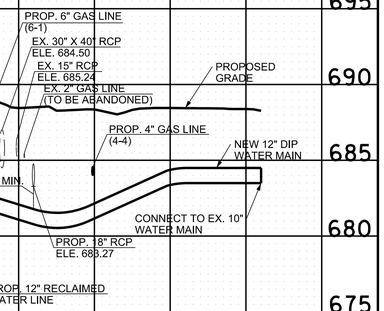


WATER 8-1 (SHT. U1-08)

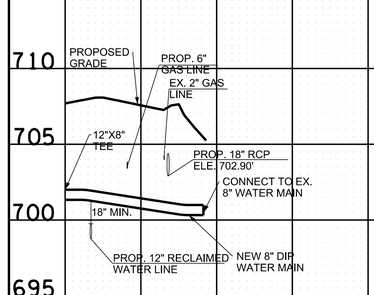
WATER 12-4 (SHT. U1-05)



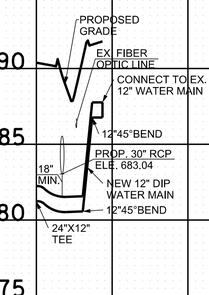
WATER 12-5 (SHT. U1-06)



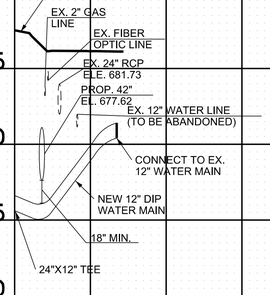
WATER 8-2 (SHT. U1-04)



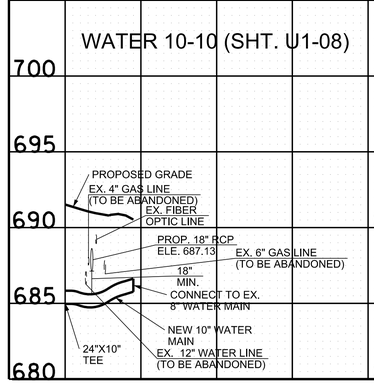
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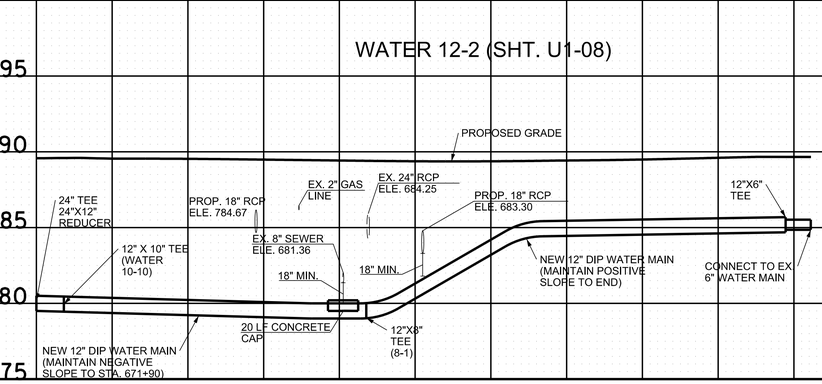
WATER 12-3 (SHT. U1-04)



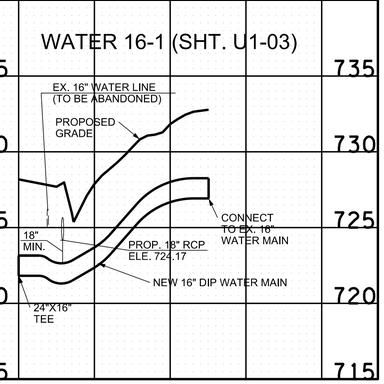
WATER 10-10 (SHT. U1-08)



WATER 12-2 (SHT. U1-08)



WATER 16-1 (SHT. U1-03)



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - WATER

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

BARGE DESIGN SOLUTIONS

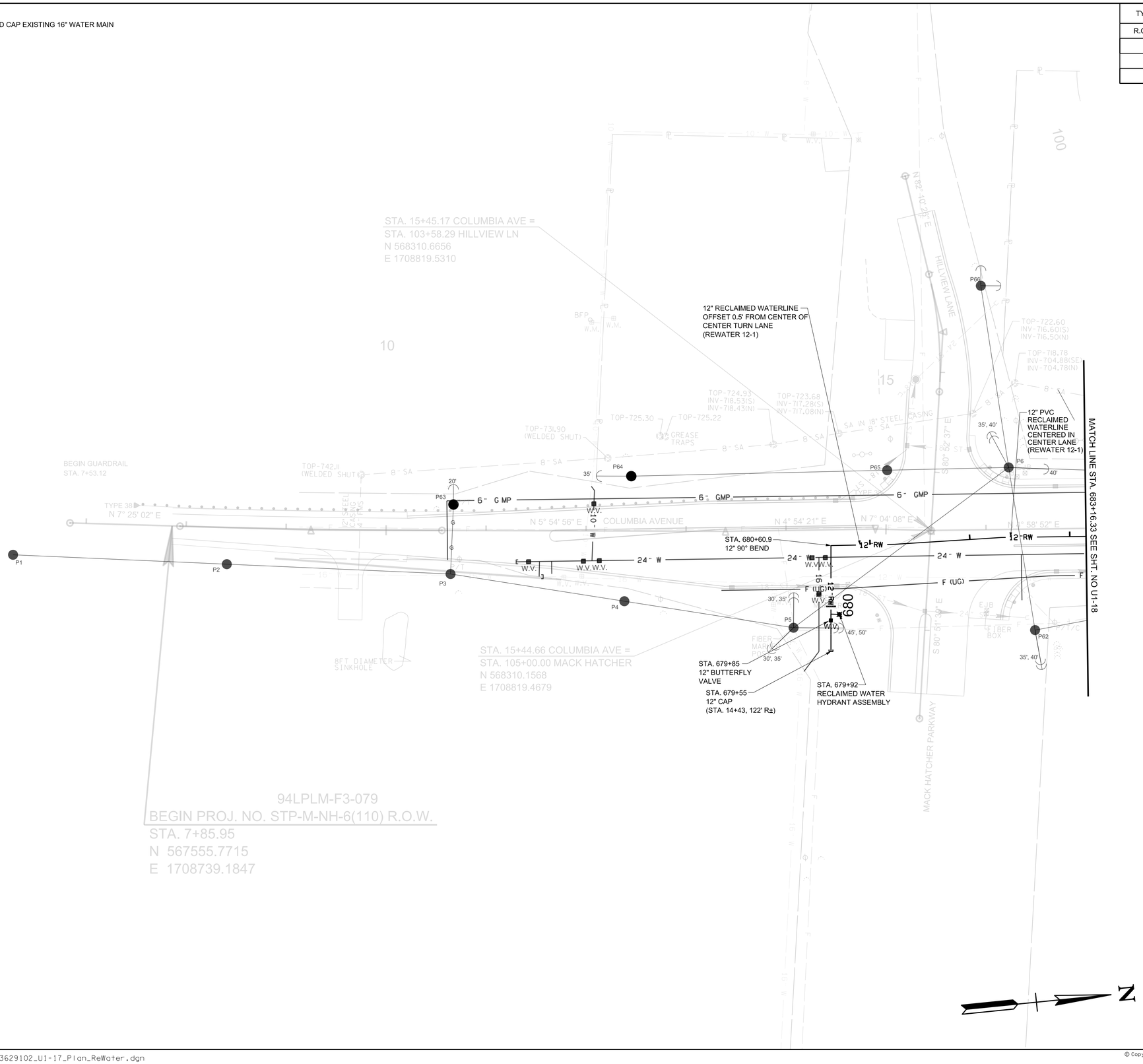
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WATER NOTE:
1) AFTER NEW WATER MAIN IS INSTALLED, TESTED, AND APPROVED, CUT AND CAP EXISTING 16" WATER MAIN ON NORTH SIDE OF EXISTING VALVE.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-17



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - RECLAIMED WATER

STA. 679+55.00 TO STA. 683+16.33

SCALE: 1"= 50'

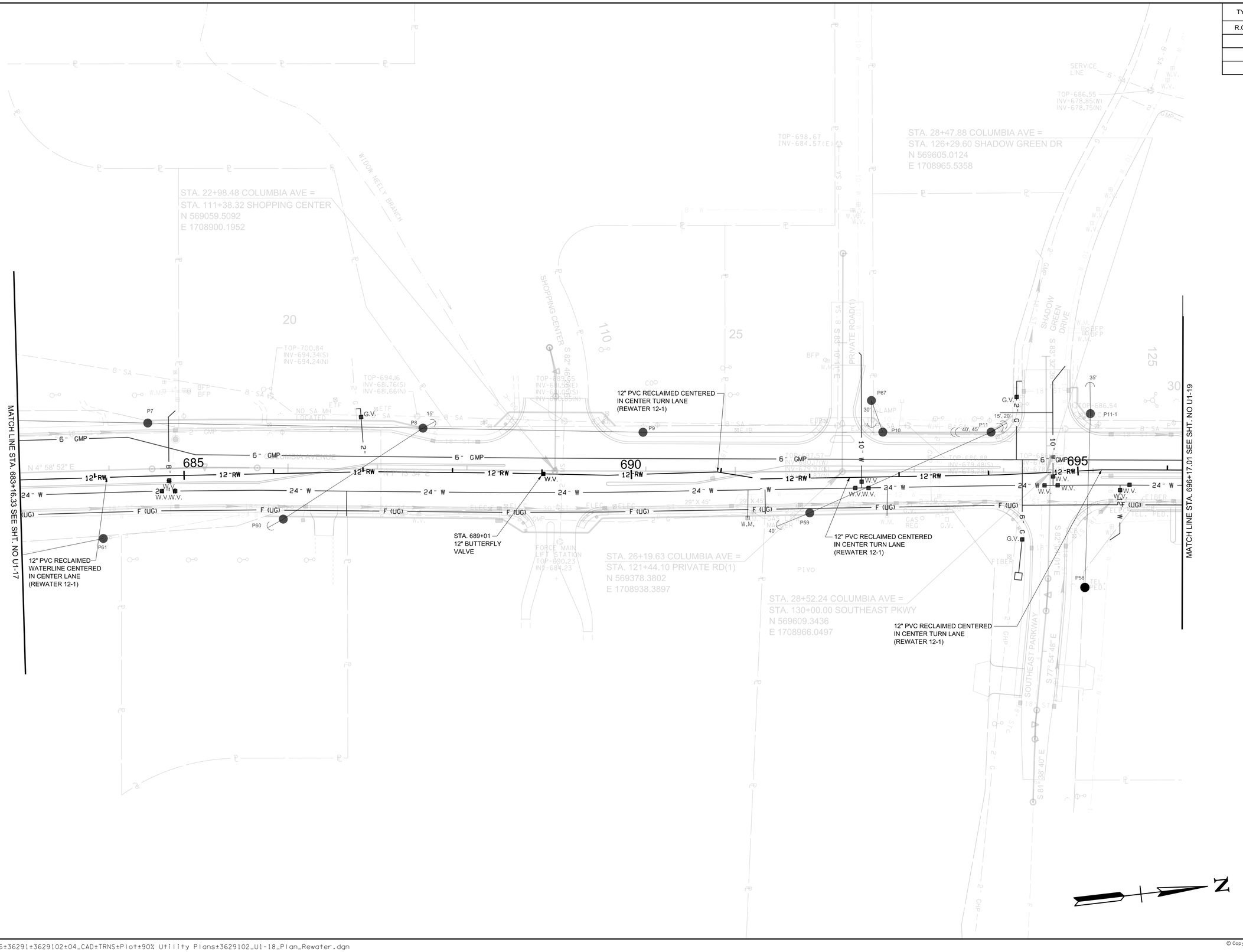
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-18



R.O.W. PLANS

SEALED BY

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - RECLAIMED WATER

STA. 683+16.33 TO STA. 696+17.01

SCALE: 1"= 50'

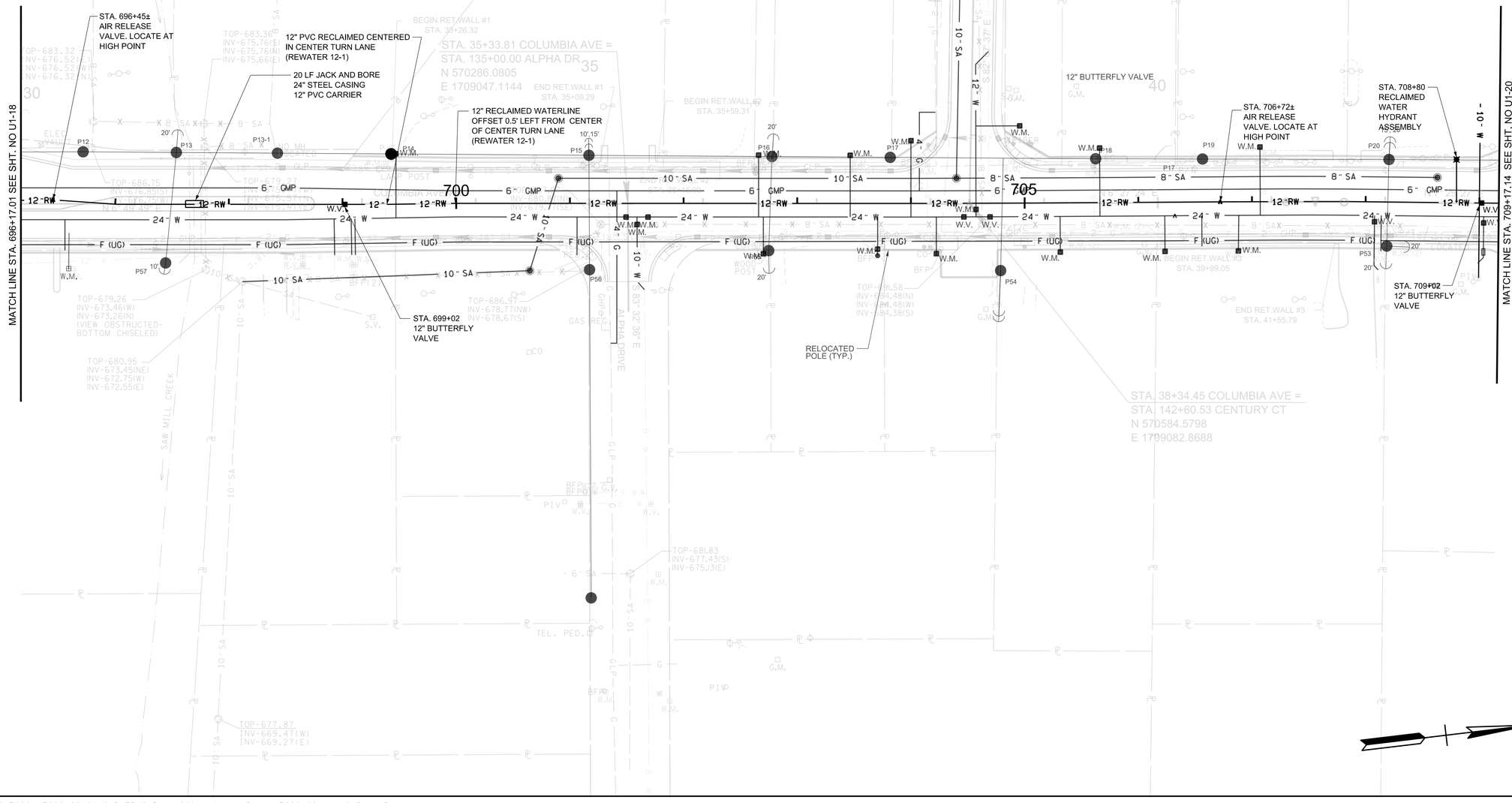
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-19



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - RECLAIMED WATER

STA. 696+17.01 TO STA. 709+17.14

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-20

MATCH LINE STA. 709+17.14 SEE SHT. NO U1-19

MATCH LINE STA. 722+17.42 SEE SHT. NO U1-21

STA. 43+55.32 COLUMBIA AVE =
STA. 148+08.56 BEASLEY DR
N 571101.7083
E 1709145.0764

STA. 53+40.50 COLUMBIA AVE =
STA. 160+95.50 PRIVATE RD(3)
STA. 165+00.00 PRIVATE RD(4)
N 572078.6248
E 1709272.3770

STA. 49+76.85 COLUMBIA AVE =
STA. 155+00.00 PRIVATE RD(2)
N 571718.0314
E 1709225.3886

STA. 43+58.55 COLUMBIA AVE =
STA. 150+00.00 LUMBER DR
N 571104.9108
E 1709145.4937

12" RECLAIMED WATERLINE OFFSET 0.5' LEFT FROM CENTER OF CENTER TURN LANE (REWATER 12-1)

12" PVC RECLAIMED WATERLINE CENTERED IN CENTER TURN LANE (REWATER 12-1)

12" RECLAIMED WATERLINE OFFSET 0.5' LEFT FROM CENTER OF LEFT TURN LANE (REWATER 12-1)

EX. 8' WIDE X 4' TALL CONCRETE BOX CULVERT

STA. 719+02
12" BUTTERFLY VALVE

12" PVC RECLAIMED CENTERED IN CENTER TURN LANE (REWATER 12-1)

R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000796593 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - RECLAIMED WATER

STA. 709+17.14 TO STA. 722+17.42

SCALE: 1"= 50'

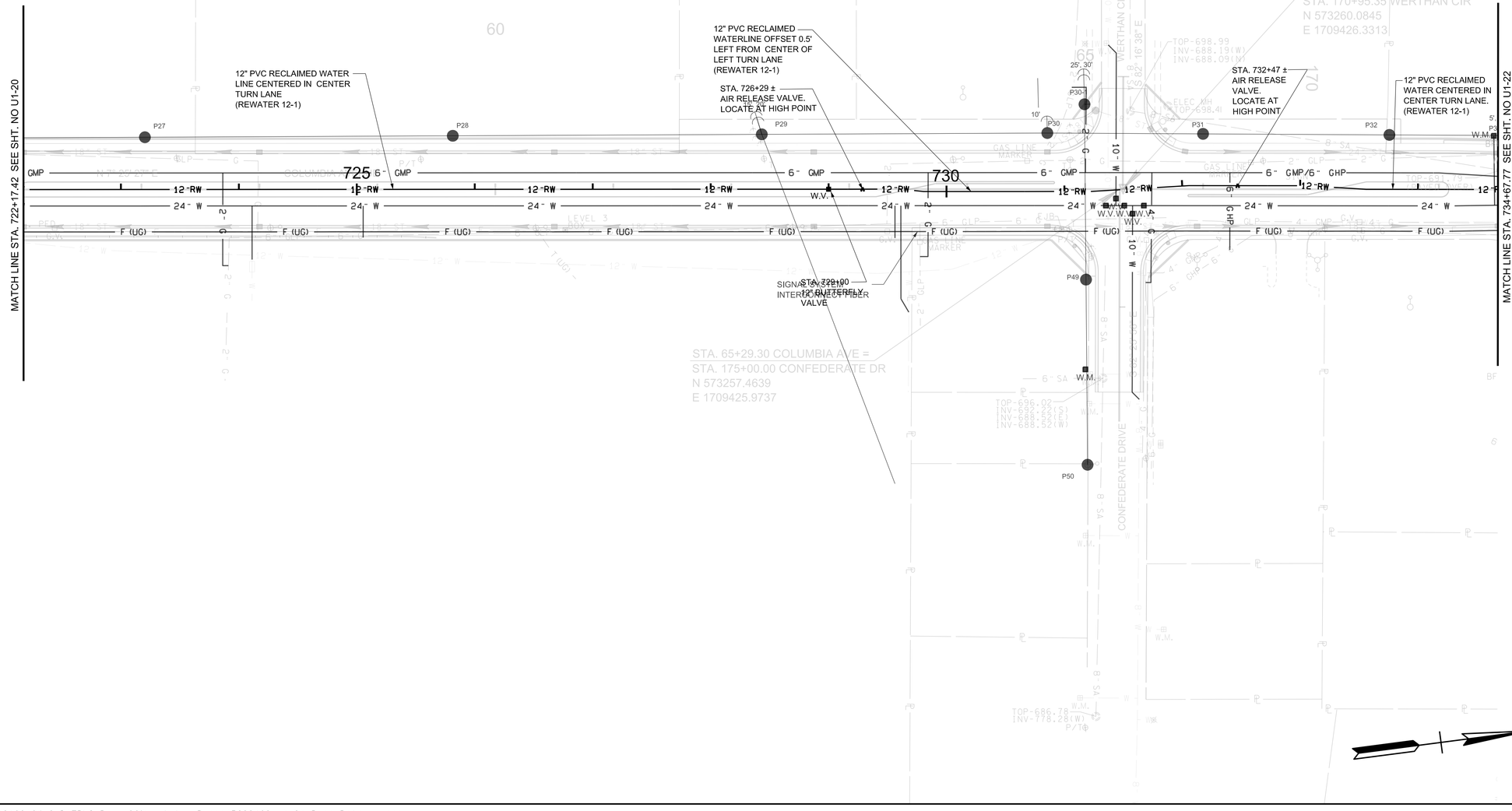
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-21



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - RECLAIMED WATER

STA. 722+17.42 TO STA. 734+67.77

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-22

MATCH LINE STA. 734+67.77 SEE SHT. NO U1-21

12" RECLAIMED WATERLINE CENTERED IN CENTER TURN LANE (REWATER 12-1)

12" PVC RECLAIMED WATERLINE OFFSET 0.5' FROM CENTER OF CENTER TURN LANE (REWATER 12-1)

STA. 739+15
12" BUTTERFLY VALVE

STA. 745+11
12" 45° BEND

STA. 745+00
12" BUTTERFLY VALVE

STA. 745+30 ±
CONNECT TO EX. 12" RECLAIMED WATERLINE

STA. 744+92
RECLAIMED WATER HYDRANT ASSEMBLY

12" RECLAIMED WATERLINE 5' INSIDE PAVEMENT (REWATER 12-1)

STA. 742+26
12" 90° BEND

94LPLM-F3-079
END PROJ. NO. STP-M-NH-6(110) PRELIM.
STA. 80+68.74
N 574783.9882
E 1709624.8984

STA. 75+85.58 COLUMBIA AVE =
STA. 193+14.90 DOWNS BLVD
STA. 195+00.00 NEW ROAD
N 574304.6907
E 1709563.9866

STA. 69+06.87 COLUMBIA AVE =
STA. 180+00.00 CARR AVE
N 573631.7944
E 1709475.3139

STA. 77+75.26 COLUMBIA AVE =
STA. 205+00.00 JAMES AVE
N 574492.8562
E 1709587.8997

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - RECLAIMED WATER
STA. 734+67.77 TO STA. 745+30.00

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

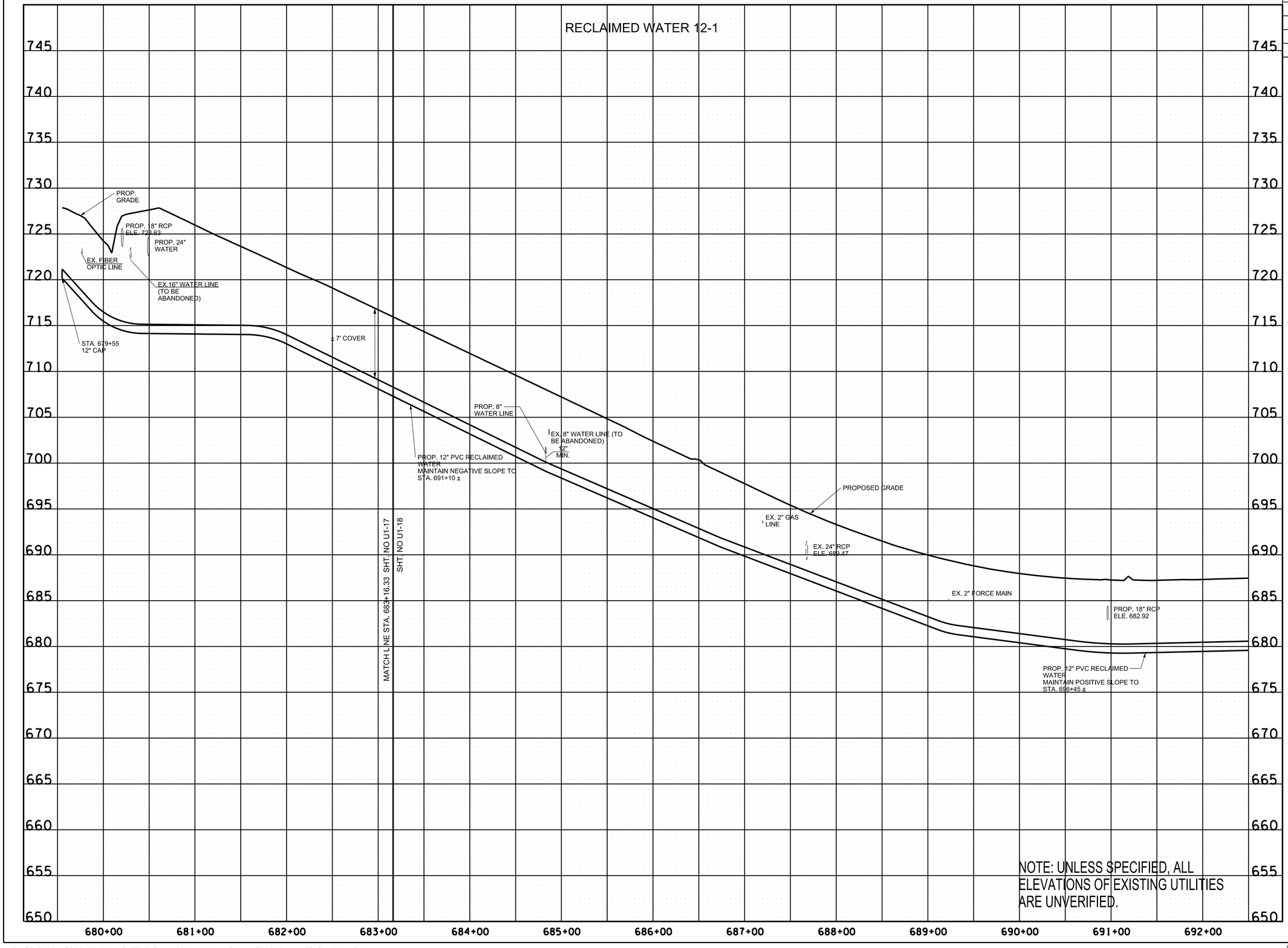
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-23

RECLAIMED WATER 12-1



NOTE: UNLESS SPECIFIED, ALL ELEVATIONS OF EXISTING UTILITIES ARE UNVERIFIED.

R.O.W.

PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - RECLAIMED WATER
STA. 679+58 TO STA. 692+50

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

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RECLAIMED WATER 12-1

MATCH LINE STA. 696+17.01 SHT. NO U1-18
SHT. NO U1-19

STA. 696+45± AIR RELEASE VALVE LOCATE AT HIGH POINT

EX. 2" GAS LINE (TO BE ABANDONED)
EX. 12" WATER LINE (TO BE ABANDONED)
EX. 10" WATER LINE (TO BE ABANDONED)
± 7' COVER
18" MIN.
PROP. 10" WATER LINE (10-1)
PROP. 6" GAS (6-2)
PROP. 10" WATER LINE (10-2)
PROP. 12" PVC RECLAIMED WATER MAINTAIN POSITIVE SLOPE TO STA. 696+45 ±
PROP. 12" PVC RECLAIMED WATER MAINTAIN NEGATIVE SLOPE TO STA. 697+60 ±
20 LF STEEL CASING
12" MIN.
EX. 10' X 9' CONC. BOX ASSUMED ELE. 674.95
EX. 8" SEWER ELE. 674.50 (TO BE ABANDONED)
EX. 15" DIP SEWER ELE. 669.31
PROP. 12" PVC RECLAIMED WATER MAINTAIN POSITIVE SLOPE TO STA. 724+70 ±
12" MIN.
PROP. 10" DIP ELE. 678.08 SEWER
PROPOSED GRADE
EX. GAS LINE
PROP. 4" GAS(4-1)
± 7' COVER
EX. FIBER OPTIC LINE
EX. 8" SEWER ELE. 684.56 (TO BE ABANDONED)
EX. 8" WATER LINE (TO BE ABANDONED)
PROP. 10" WATER LINE (10-4)
12" MIN.

NOTE: UNLESS SPECIFIED, ALL ELEVATIONS OF EXISTING UTILITIES ARE UNVERIFIED.

745 740 735 730 725 720 715 710 705 700 695 690 685 680 675 670 665 660 655 650

693+00 694+00 695+00 696+00 697+00 698+00 699+00 700+00 701+00 702+00 703+00 704+00 705+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-24

R.O.W.
PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - RECLAIMED WATER
STA. 692+50 TO STA. 705+50

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

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RECLAIMED WATER 12-1

MATCH LINE STA. 709+17.14 SHT. NO U1-19
SHT. NO U1-20

STA. 706+24 ± AIR RELEASE VALVE LOCATE AT HIGH POINT

PROPOSED GRADE

± 7' COVER

PROP. 4" GAS (4-3)

EX. 10" WATER LINE (TO BE ABANDONED)

18" MIN.

PROP. 12" WATER LINE (12-5)

PROP. 10" WATER LINE (10-5)

EX. 10" WATER LINE (TO BE ABANDONED)

18" MIN.

PROP. 12" PVC RECLAIMED WATER MAINTAIN POSITIVE SLOPE TO STA. 706+24 ±

PROP. 12" PVC RECLAIMED WATER MAINTAIN NEGATIVE SLOPE TO STA. 719+65 ±

EX. 10" SEWER ELE. 672.37

NOTE: UNLESS SPECIFIED, ALL ELEVATIONS OF EXISTING UTILITIES ARE UNVERIFIED.

745 740 735 730 725 720 715 710 705 700 695 690 685 680 675 670 665 660 655 650

706+00 707+00 708+00 709+00 710+00 711+00 712+00 713+00 714+00 715+00 716+00 717+00 718+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-25

R.O.W.

PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - RECLAIMED WATER
STA. 705+50 TO STA. 718+50

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-26

RECLAIMED WATER 12-1

MATCH LINE STA. 722+17.42 SHT. NO U1-20
SHT. NO U1-21

STA. 729+70 ±
AIR RELEASE VALVE
LOCATE AT HIGH POINT

EX. 10" WATER LINE
(TO BE ABANDONED)

EX. 2" GAS LINE
(TO BE ABANDONED)

PROP. 10"
WATER LINE
(10-9)

18"
MIN.

PROP. 12" PVC RECLAIMED
WATER
MAINTAIN NEGATIVE SLOPE
TO STA. 731+43 ±

PROPOSED GRADE

±7'
COVER

EX. 2" GAS LINE
(TO BE ABANDONED)

± 7'
COVER

18"
MIN.

PROP. 10"
WATER LINE
(10-7)

12"
MIN.

EX. 8' WIDE X 4' TALL CONC. BOX
ASSUMED ELE. 671.26

EX. 2" GAS LINE
(TO BE ABANDONED)

PROP. 12" PVC RECLAIMED
WATER
MAINTAIN POSITIVE SLOPE TO
STA. 729+70 ±

PROP. 12" PVC RECLAIMED
WATER
MAINTAIN NEGATIVE SLOPE
TO STA. 719+65 ±

NOTE: UNLESS SPECIFIED, ALL ELEVATIONS OF EXISTING UTILITIES ARE UNVERIFIED.

745 740 735 730 725 720 715 710 705 700 695 690 685 680 675 670 665 660 655 650

719+00 720+00 721+00 722+00 723+00 724+00 725+00 726+00 727+00 728+00 729+00 730+00 731+00

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - RECLAIMED WATER
STA. 718+50 TO STA. 731+50

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

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RECLAIMED WATER 12-1

MATCH LINE STA. 734+67.77 SHT. NO U1-21
SHT. NO U1-22

STA. 732+48 ±
AIR RELEASE VALVE
LOCATE AT HIGH POINT

PROP. 4" GAS (4-6)

PROP. 12" PVC RECLAIMED WATER MAINTAIN POSITIVE SLOPE TO STA. 732+48 ±

18" MIN.

PROP 6" GAS (HP) SEE PROFILE ON SHEET U1-20 (6-3HP)

PROPOSED GRADE

PROP. 4" GAS (4-7)

± 7' COVER

PROP. 12" PVC RECLAIMED WATER MAINTAIN NEGATIVE SLOPE TO STA. 742+01 ±

EX. 24" RCP ELE. 684.04

PROP. 42" EL. 680.00

18" MIN.

EX. 24" RCP ELE. 685.35

EX. 12" WATER LINE (TO BE ABANDONED)

EX. FIBER OPTIC LINE

EX. 4" GAS LINE

EX. 4" GAS LINE (TO BE ABANDONED)

PROP. 18" RCP ELE. 685.35

EX. 12" CMP ELE. 688.00

PROP. 18" RCP ELE. 682.2

EX. 8" SANITARY SEWER ELE. 682.48

PROP. 6" GAS (HIGH PRESSURE) (6-1)

18" MIN.

PROP. 12" PVC RECLAIMED WATER MAINTAIN POSITIVE SLOPE TO END

PROP. 24" WATER (24-1)

PROP. 18" RCP ELE. 685.91

18" MIN.

PROP. 12" WATER (12-1)

PROP. 12" PVC RECLAIMED WATER MAINTAIN POSITIVE SLOPE TO END

NOTE: UNLESS SPECIFIED, ALL ELEVATIONS OF EXISTING UTILITIES ARE UNVERIFIED.

745 740 735 730 725 720 715 710 705 700 695 690 685 680 675 670 665 660 655 650

732+00 733+00 734+00 735+00 736+00 737+00 738+00 739+00 740+00 741+00 742+00 743+00 744+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-27

R.O.W.

PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - RECLAIMED WATER
STA. 731+50 TO STA. 744+50

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

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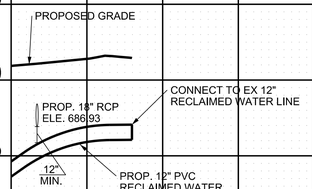
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RECLAIMED WATER 12-1

745 740 735 730 725 720 715 710 705 700 695 690 685 680 675 670 665 660 655 650



745+00 746+00 747+00

NOTE: UNLESS SPECIFIED, ALL ELEVATIONS OF EXISTING UTILITIES ARE UNVERIFIED.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-28

R.O.W.

PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - RECLAIMED WATER

STA. 744+50 TO STA. 746+28

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

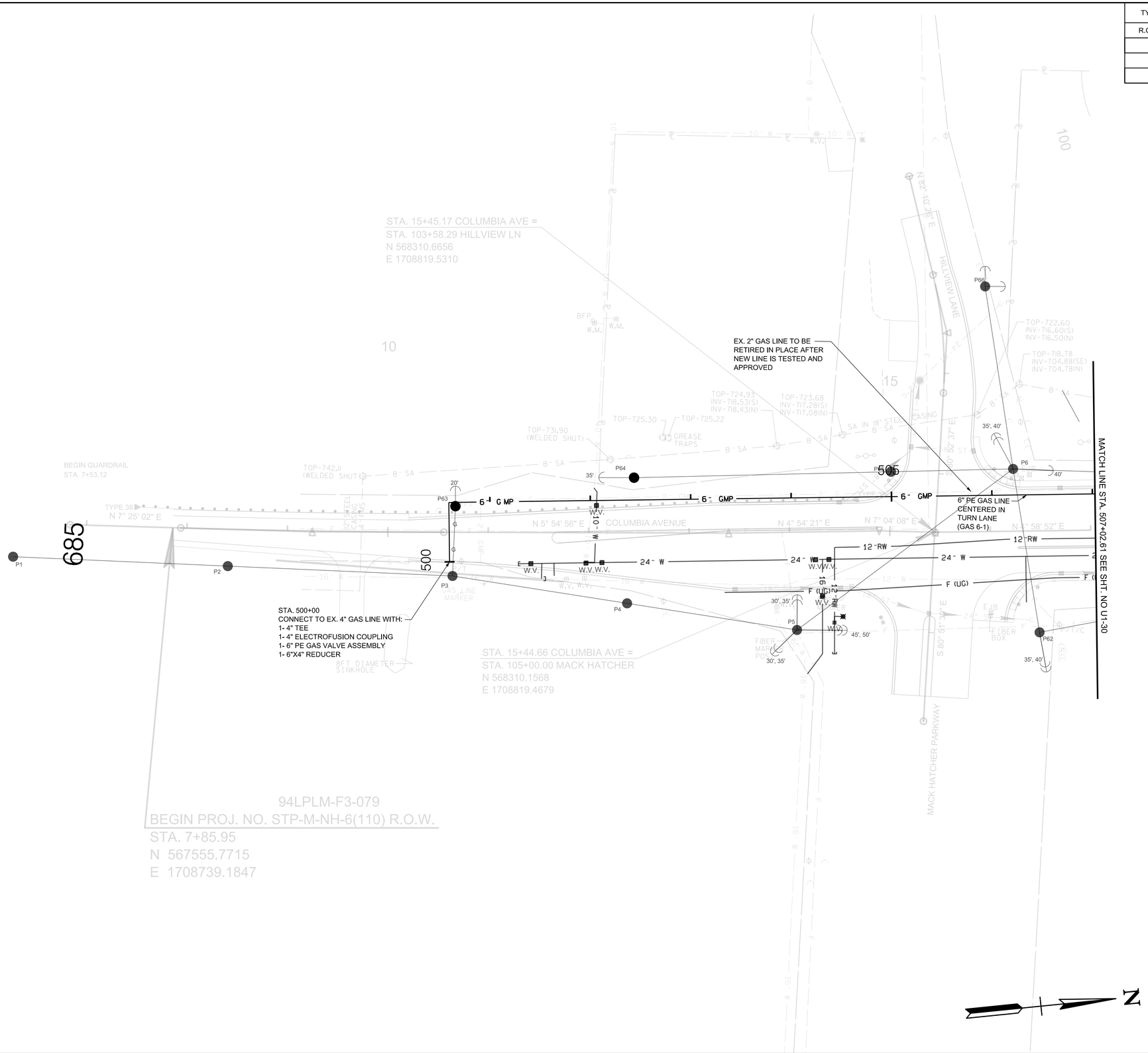
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-29



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - GAS

STA. 500+00.00 TO STA. 507+02.61

SCALE: 1"= 50'

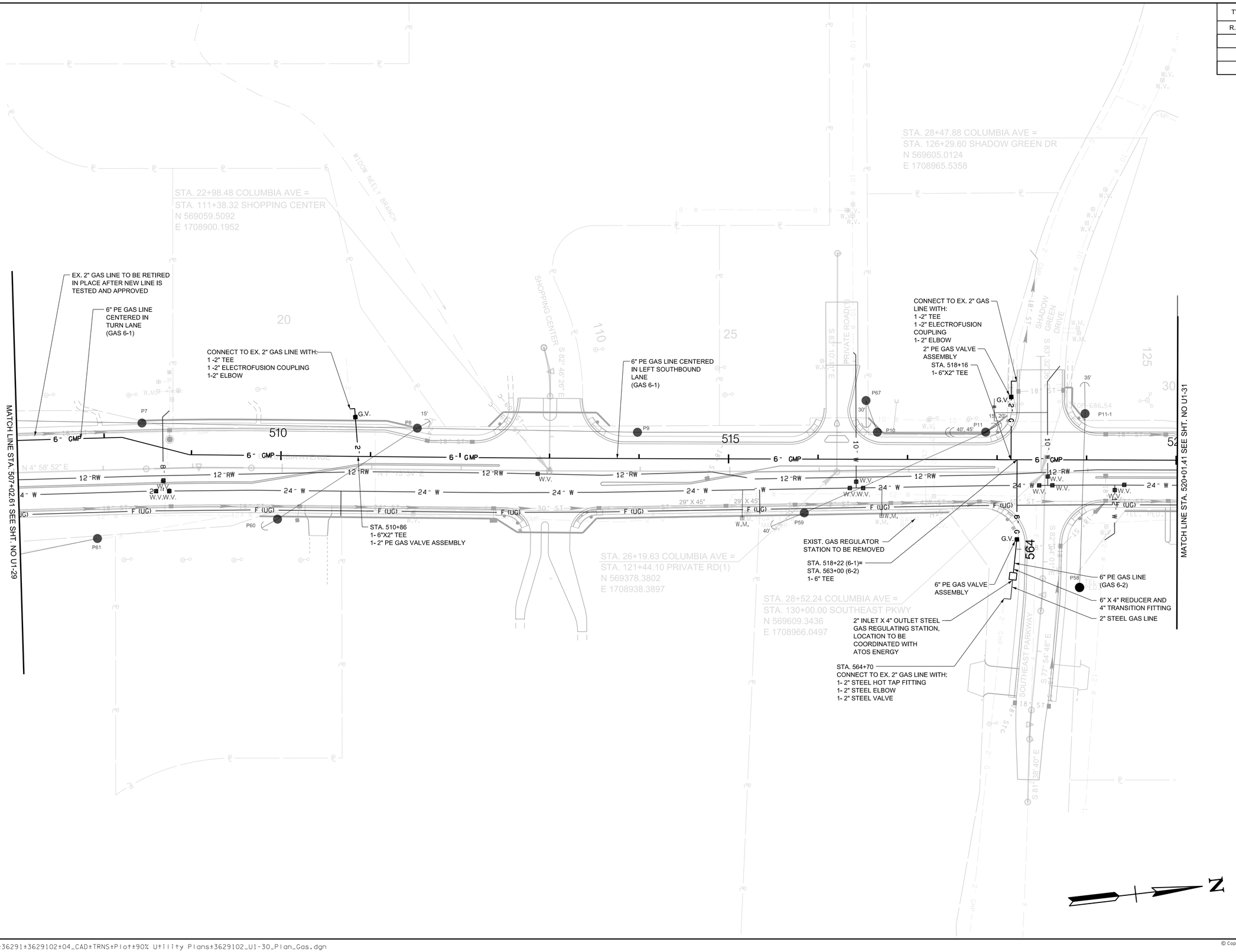
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-30



R.O.W.

PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - GAS

STA. 507+02.61 TO STA. 520+01.41

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-31

MATCH LINE STA. 520+01.41 SEE SHT. NO U1-30

MATCH LINE STA. 533+01.55 SEE SHT. NO U1-32

6" PE GAS LINE CENTERED IN LEFT SOUTHBOUND LANE (GAS 6-1)

CONNECT TO EX. 2" GAS LINE WITH:
1- 2" TEE
1- 2" ELECTROFUSION COUPLING
1- 2" ELBOW
1- 4"X2" REDUCER

4" PE GAS LINE (GAS 4-2)

STA.525+26 (6-1)
STA. 580+00 (4-1)
1 -6"X4" TEE

1 -4" PE GAS VALVE ASSEMBLY

STA. 527+92 (6-1)=
STA. 582+00 (4-2)
1 -6"X4" TEE

12" BUTTERFLY VALVE

1 -4" PE GAS VALVE ASSEMBLY

4" PE GAS LINE (GAS 4-1)

GAS SERVICE LINE (TYP.)

EXIST. GAS REG. STATION TO BE REMOVED

EX. 2" GAS LINE TO BE RETIRED IN PLACE AFTER NEW LINE IS TESTED AND APPROVED

CONNECT TO EX. 4" GAS LINE WITH:
1- 4" TEE
1- 4" ELECTROFUSION COUPLING
1- 4" ELBOW

EX. 2" GAS LINE TO BE RETIRED IN PLACE AFTER NEW LINE IS TESTED AND APPROVED

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - GAS

STA. 520+01.41 TO STA. 533+01.55

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-32

MATCH LINE STA. 533+01.55 SEE SHT. NO U1-31

MATCH LINE STA. 546+01.57 SEE SHT. NO U1-33

STA. 585+03
CONNECT TO EX. 4" GAS LINE WITH:
1- 4" TEE
1- 4" ELECTROFUSION COUPLING
1- 4" ELBOW

STA. 43+55.32 COLUMBIA AVE =
STA. 148+08.56 BEASLEY DR
N 571101.7083
E 1709145.0764

10' PUBLIC UTILITY AND DRAINAGE EASEMENT
BK. 256, PG. 60, R.O.W.C
BK. 274, PG. 159, R.O.W.C

20' PUBLIC UTILITY AND DRAINAGE EASEMENT
BK. 256, PG. 60, R.O.W.C
BK. 274, PG. 159, R.O.W.C

4" PE GAS LINE
(GAS 4-4)

1- 4" PE GAS VALVE
ASSEMBLY

6" PE GAS LINE
CENTERED IN LEFT
SOUTHBOUND LANE
(GAS 6-1)

EX. GAS LINE TO BE RETIRED IN
PLACE AFTER NEW LINE IS TESTED
AND APPROVED

STA. 539+63 (6-1)
STA. 591+00 (4-9)
1- 6" X 4" TEE.

4" PE GAS LINE
(GAS 4-5)

4" PE GAS VALVE
ASSEMBLY

STA. 543+15 (6-1)
STA. 852+00 (4-10)
1- 6" X 4" TEE

STA. 544+91
1- 6"X2" TEE

STA. 53+40.50 COLUMBIA AVE =
STA. 160+95.50 PRIVATE RD(3)
STA. 165+00.00 PRIVATE RD(4)
N 572078.6248
E 1709272.3770

STA. 533+52 (6-1)=
STA. 584+00 (4-4)
1- 6"X4" TEE

GAS SERVICE LINE
(TYP.)

STA. 49+76.85 COLUMBIA AVE =
STA. 155+00.00 PRIVATE RD(2)
N 571718.0314
E 1709225.3886

4" PE GAS VALVE
ASSEMBLY

4" PE GAS LINE
(GAS 4-9)

STA. 592+10
4" CAP

EX. GAS LINE TO BE RETIRED IN
PLACE AFTER NEW LINE IS TESTED
AND APPROVED

4" PE GAS LINE
(GAS 4-10)

4" PE GAS VALVE
ASSEMBLY

STA. 853+38
4" CAP

STA. 543+30 (6-1)=
STA. 585+00 (4-5)
1- 6"X4" TEE

2" PE GAS VALVE
ASSEMBLY

2" PE
GAS LINE

CONNECT TO EX. 2" GAS LINE WITH:
1- 2" TEE
1- 2" ELECTROFUSION COUPLING
1- 2" ELBOW

STA. 43+58.55 COLUMBIA AVE =
STA. 150+00.00 LUMBER DR
N 571104.9108
E 1709145.4937

STA. 533+10 (6-1)=
STA. 583+00 (4-3)
1- 6"X4" TEE

1- 4" PE GAS VALVE ASSEMBLY

4" PE GAS LINE
(GAS 4-3)

STA. 583+15
CONNECT TO EX. 2" GAS LINE WITH:
1- 2" TEE
1- 2" ELECTROFUSION COUPLING
1- 2" ELBOW
1- 4"X2" REDUCER

EX. GAS MAIN TO BE RETIRED IN
PLACE. COORDINATE CAPPING
BEHIND LASKO

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - GAS

STA. 533+01.55 TO STA. 546+01.57

SCALE: 1"= 50'

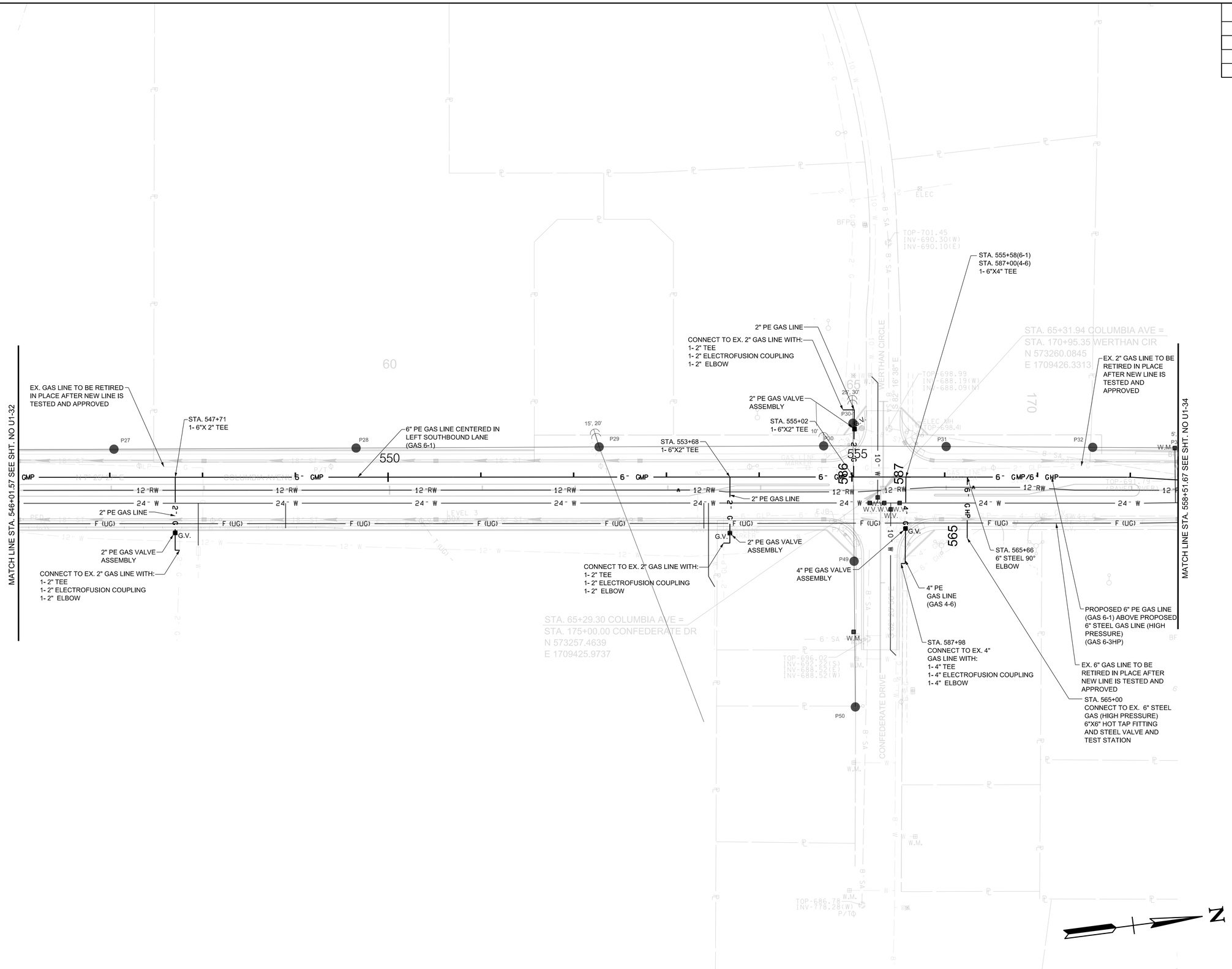
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-33



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - GAS

STA. 546+01.57 TO STA. 558+51.67

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-34

MATCH LINE STA. 558+51.67 SEE SHT. NO U1-33

STA. 559+26(6-1)=
STA. 588+00(4-7)
1- 6"X4" TEE

EX. 2" GAS LINE TO BE RETIRED IN PLACE AFTER NEW LINE IS TESTED AND APPROVED

6" PE GAS LINE (GAS 6-1) ABOVE 6" STEEL GAS LINE (GAS 6-3HP) CENTERED IN LEFT SOUTHBOUND LANE

4" PE GAS LINE (GAS 4-7)

EX. 6" HP GAS LINE TO BE RETIRED IN PLACE

EX. 4" GAS LINE TO BE RETIRED IN PLACE

4" PE GAS LINE (GAS 4-8)

4" PE GAS VALVE ASSEMBLY

STA. 565+99(6-1)=
STA. 589+00 (4-8)
1- 6"X4" TEE

STA. 565+52
1- 6"X 2" TEE

EX. 6" HP GAS LINE

STA. 591+98
CONNECT TO EX. 4" GAS LINE WITH:
1- 4" TEE
1- 4" ELECTROFUSION COUPLING
1- 4" ELBOW

STA. 576+80
CONNECT TO EX. 6" STEEL GAS (HIGH PRESSURE)
6"X6" HOT TAP FITTING AND STEEL VALVE

CONNECT TO EX. 4" GAS LINE WITH:
1-4" TEE
1- 4" ELECTROFUSION COUPLING
1-4" PE GAS VALVE ASSEMBLY

EX. 4" GAS LINE TO BE RETIRED IN PLACE

4" CAP

STA. 567+80
6" CAP

2" CAP

STA. 575+80
6" STEEL 90° ELBOW (GAS 6-3HP)

STA. 566+92
6" X 4" TEE

2" PE GAS VALVE ASSEMBLY

2" PE GAS LINE

GAS SERVICE LINE (TYP.)

CONNECT TO EX. 2" GAS LINE WITH:
1- 2" TEE
1- 2" ELECTROFUSION COUPLING
1- 2" ELBOW

4" PE GAS VALVE ASSEMBLY

STA. 589+02
CONNECT TO EX. 4" GAS LINE WITH:
1- 4" TEE
1- 4" ELECTROFUSION COUPLING
1- 4" ELBOW

94LPLM-F3-079
END PROJ. NO. STP-M-NH-6(110) PRELIM.
STA. 80+68.74
N 574783.9882
E 1709624.8984

STA. 75+85.58 COLUMBIA AVE =
STA. 193+14.90 DOWNS BLVD
STA. 195+00.00 NEW ROAD
N 574304.6907
E 1709563.9866

STA. 69+06.87 COLUMBIA AVE =
STA. 180+00.00 CARR AVE
N 573631.7944
E 1709475.3139

STA. 77+75.26 COLUMBIA AVE =
STA. 205+00.00 JAMES AVE
N 574492.8562
E 1709587.8997

R.O.W. PLANS

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CITY OF FRANKLIN
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COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - GAS

STA. 558+51.67 TO STA. 591+98.00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-35

GAS 6-1

EX. 2" GAS LINE (TO BE ABANDONED)

EX. 10" WATER LINE (TO BE ABANDONED)

PROP. 10" WATER LINE (10-1)

EX. FIBER OPTIC LINE

PROP. 18" RCP ELE. 717.20

PROPOSED GRADE

3.5' COVER (TYP)

PROP. 6" PE GAS (6-1)

PROP. 8" WATER LINE (8-2)

EX. 10" WATER LINE (TO BE ABANDONED)

EX. 2" GAS LINE (TO BE ABANDONED)

STA. 510+86 6"X2" TEE

EX. 24" RCP ELE. 688.74

12" MIN.

MATCH LINE STA. 507+02.61 SHT. NO U1-29

SHT. NO U1-30

NOTE: UNLESS SPECIFIED, ALL ELEVATIONS OF EXISTING UTILITIES ARE UNVERIFIED.

745 740 735 730 725 720 715 710 705 700 695 690 685 680 675 670 665 660 655 650

500+00 501+00 502+00 503+00 504+00 505+00 506+00 507+00 508+00 509+00 510+00 511+00 512+00 513+00

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - GAS

STA. 500+00 TO STA. 513+00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-36

GAS 6-1

MATCH LINE STA. 520+01.41 SHT. NO U1-30

SHT. NO U1-31

EX. 12" WATER LINE (TO BE ABANDONED)

EX. 2" GAS LINE (TO BE ABANDONED)

3.5' COVER (TYP)

2' COVER (MIN)

PROPOSED GRADE

STA. 518+22 6" TEE (6-2)

PROP. 18" RCP ELE. 682.70

12" MIN.

12" MIN

EX. 4" GAS LINE (TO BE ABANDONED)

EX. 2" FORCE MAIN ELE. 682.02

STA. 518+16 6"X2" TEE

EX. 10' X 9' CONC. BOX ASSUMED ELE. 674.80

STA. 525+26 6"X4" TEE (4-1)

PROP. 10" WATER LINE (10-2)

PROP. 10" WATER LINE (10-3)

EX. 8" DIP ELE. 674.20 (TO BE ABANDONED)

PROP. 10" SEWER ELE. 678.32

EX. 15" DIP SEWER ELE. 669.38

NOTE: UNLESS SPECIFIED, ALL ELEVATIONS OF EXISTING UTILITIES ARE UNVERIFIED.

745 740 735 730 725 720 715 710 705 700 695 690 685 680 675 670 665 660 655 650

513+00 514+00 515+00 516+00 517+00 518+00 519+00 520+00 521+00 522+00 523+00 524+00 525+00 526+00

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COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - GAS

STA. 513+00 TO STA. 526+00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

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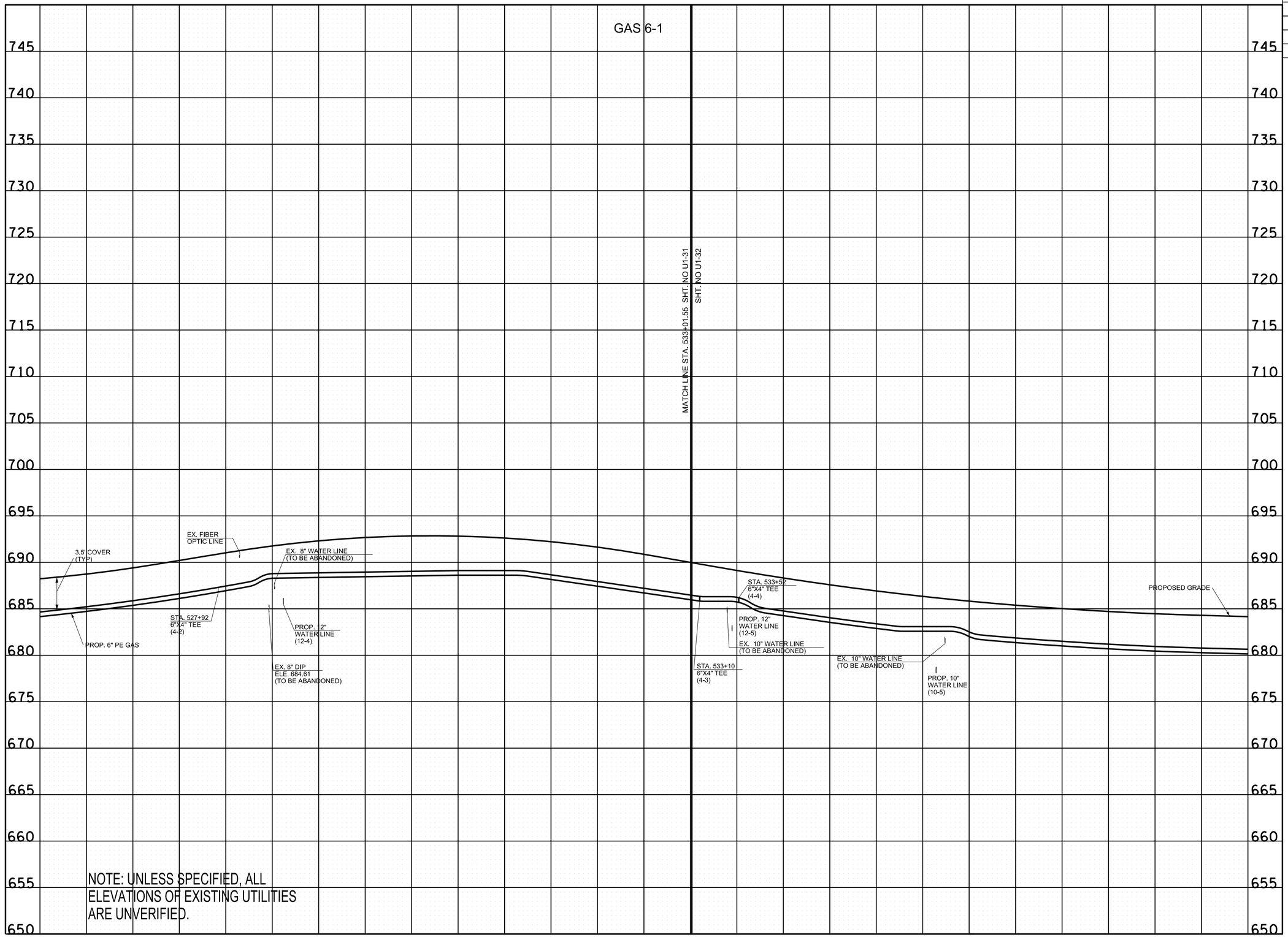
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-37

GAS 6-1



R.O.W. PLANS

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COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - GAS

STA. 526+00 TO STA. 539+00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

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GAS 6-1

MATCH LINE STA. 546+01.57 SHT. NO U1-32

SHT. NO U1-33

PROPOSED GRADE

3.5' COVER (TYP)

PROP. 6" PE GAS

EX. 10" SEWER ELE. 672.52

STA. 539+63 6"X4" TEE (4-9)

STA. 543+15 6"X4" TEE (4-10)

STA. 543+80 6"X4" TEE (4-5)

PROP. 10" WATER LINE (10-7)

EX. 8' X 4' CONC. BOX ASSUMED ELE. 671.15

EX. 2" GAS LINE (TO BE ABANDONED)

STA. 544+91 6"X2" TEE

EX. 2" GAS LINE (TO BE ABANDONED)

STA. 547+71 6"X2" TEE

± 3.5' COVER

PROP. 6" PE GAS

NOTE: UNLESS SPECIFIED, ALL ELEVATIONS OF EXISTING UTILITIES ARE UNVERIFIED.

745 740 735 730 725 720 715 710 705 700 695 690 685 680 675 670 665 660 655 650

539+00 540+00 541+00 542+00 543+00 544+00 545+00 546+00 547+00 548+00 549+00 550+00 551+00 552+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-38

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - GAS

STA. 539+00 TO STA. 552+00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-39

GAS 6-1

MATCH LINE STA. 558+51.67 SH. NO U1-33

SH. NO U1-34

PROPOSED GRADE

STA. 553+68
6"X2" TEE

EX. 2" GAS LINE
(TO BE ABANDONED)

STA. 555+02
6"X2" TEE

EX. 10" WATER LINE
(TO BE ABANDONED)

PROP. 10"
WATER LINE
(10-8)

STA. 555+58
6"X4" TEE
(4-6)

PROP 6" GAS (HP)
(6-3HP)

STA. 559+26
6"X4" TEE
(4-7)

2.5' COVER
(TYP)

PROP. 6" PE GAS

EX. 24" RCP
ELE. 684.18

PROPOSED GRADE

12"
MIN.

PROP. 42"
EL. 680.05

PROP 6" GAS (HP)
SEE PROFILE ON SHEET
U1-40
(6-3HP)

NOTE: UNLESS SPECIFIED, ALL ELEVATIONS OF EXISTING UTILITIES ARE UNVERIFIED.

745 740 735 730 725 720 715 710 705 700 695 690 685 680 675 670 665 660 655 650

552+00 553+00 554+00 555+00 556+00 557+00 558+00 559+00 560+00 561+00 562+00 563+00 564+00 565+00

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - GAS

STA. 552+00 TO STA. 565+00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

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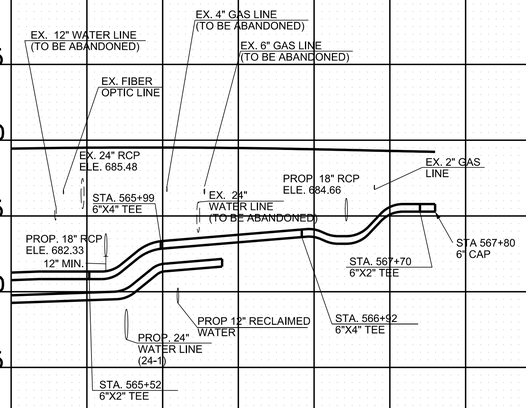
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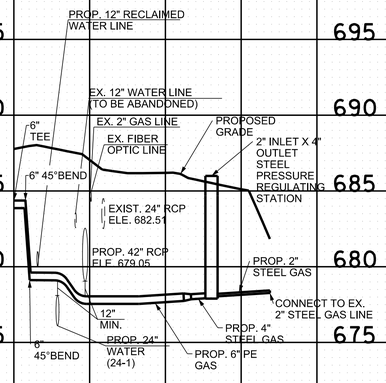
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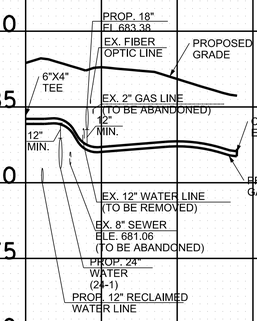
GAS 6-1



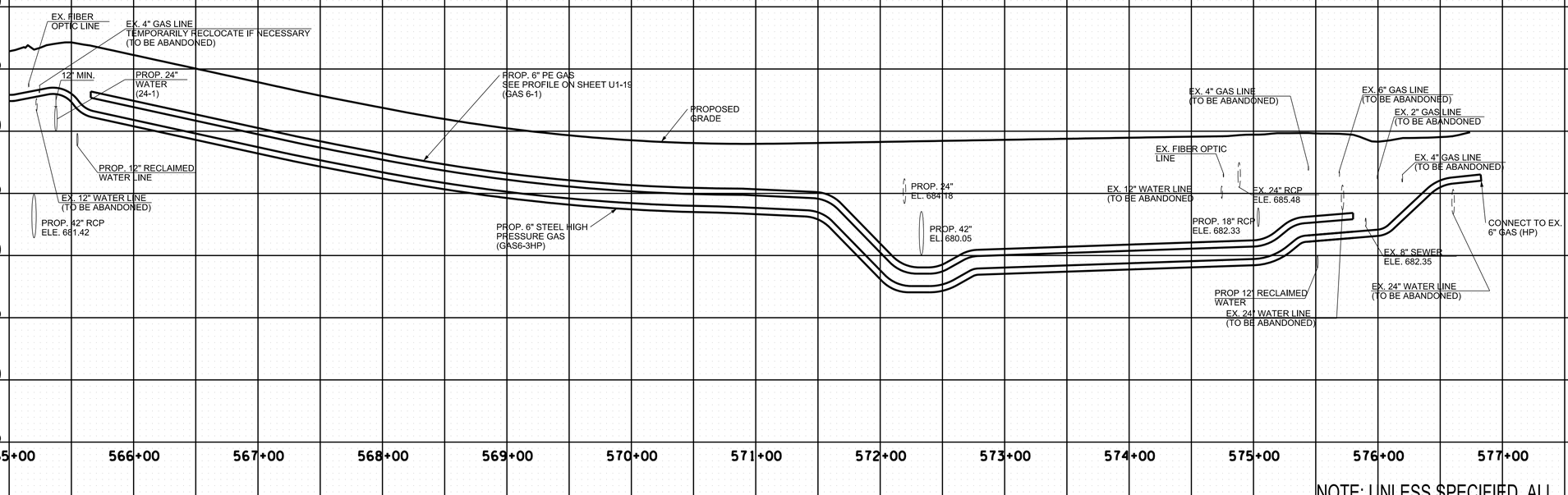
GAS 6-2 (SHT. U1-30)



GAS 4-1 (SHT. U1-31)



GAS 6-3HP (SHTS. U1-33, U1-34)



NOTE: UNLESS SPECIFIED, ALL ELEVATIONS OF EXISTING UTILITIES ARE UNVERIFIED.

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - GAS

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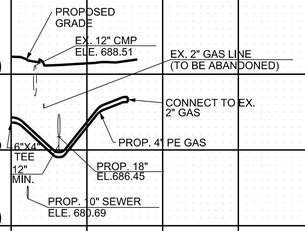
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TYPE	YEAR	PROJECT NO.	SHEET NO.
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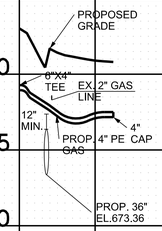
GAS 4-2 (SHT. U1-31)



GAS 4-3 (SHT. U1-32)

GAS 4-4 (SHT. U1-32)

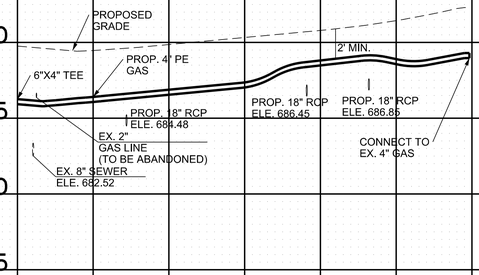
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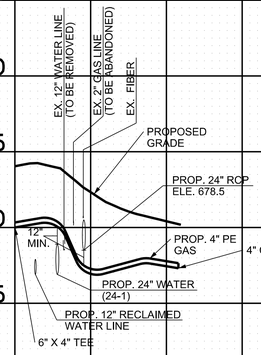
GAS 4-6 (SHT. U1-33)

GAS 4-7 (SHT. U1-34)

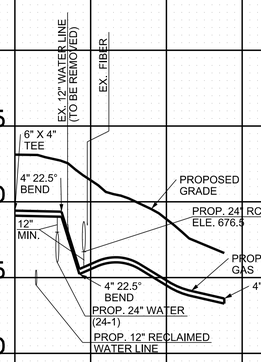
GAS 4-8 (SHT. U1-39)



GAS 4-9 (SHT. U1-32)



GAS 4-10 (SHT. U1-32)



NOTE: UNLESS SPECIFIED, ALL ELEVATIONS OF EXISTING UTILITIES ARE UNVERIFIED.

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - GAS

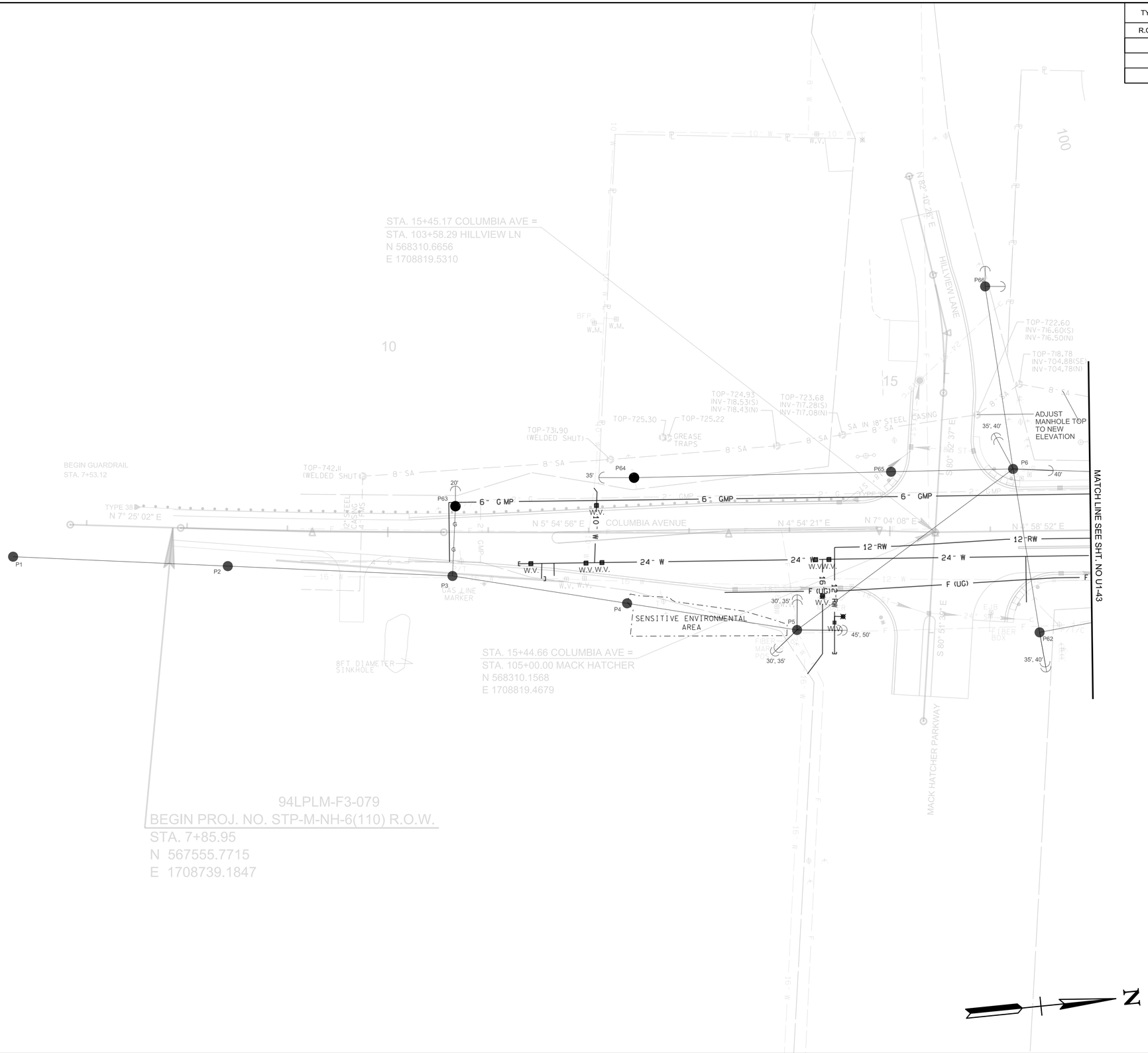
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-42



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - SANITARY SEWER

SCALE: 1"= 50'

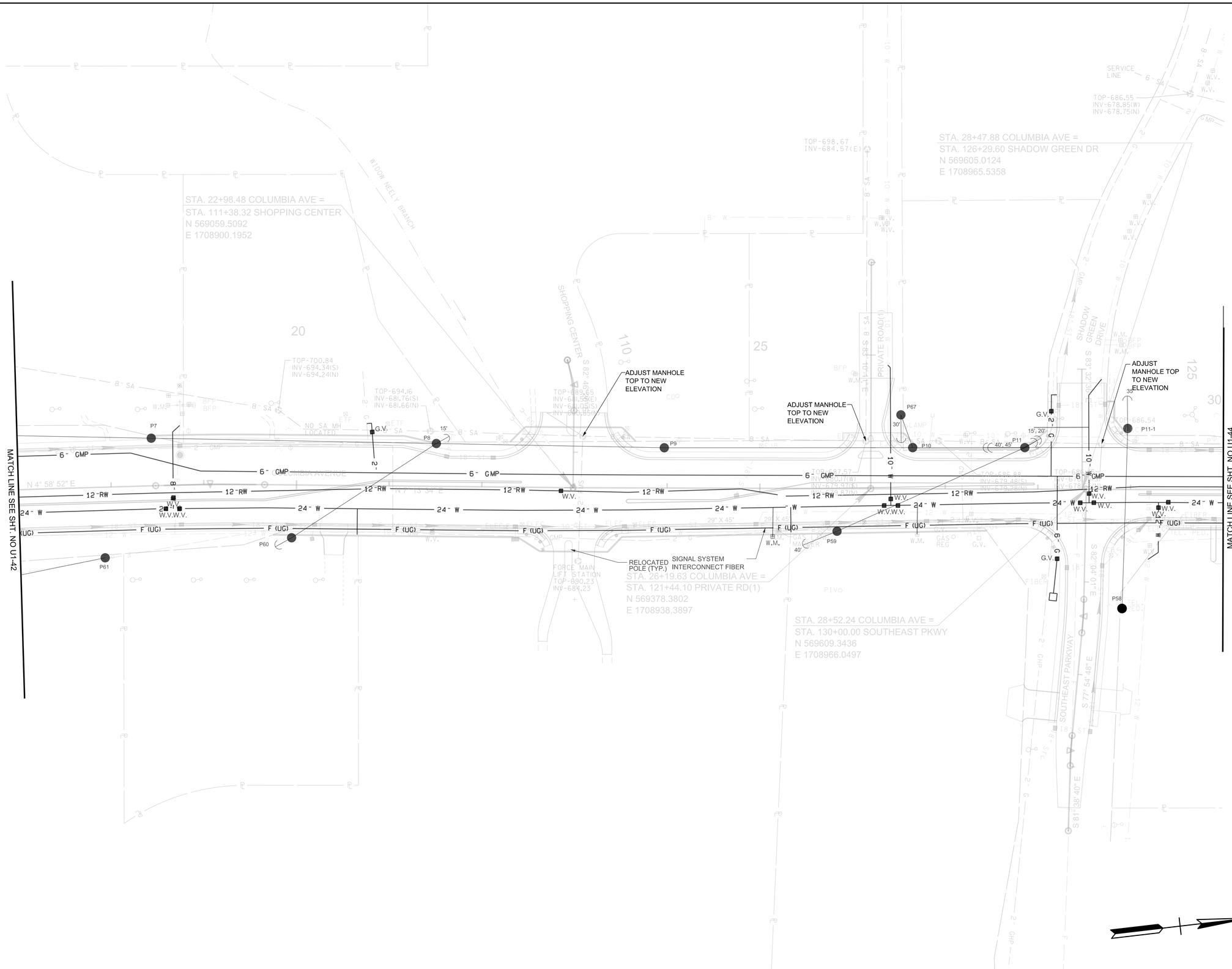
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-43



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - SANITARY SEWER

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-44

MH B-1
N 570615.63
E 1708770.69

EXISTING MH B-2
SEE NOTE 1

MH A-1
N 570193.53
E 1709095.21

MH A-2
N 570228.16
E 1709017.52

MH A-3
N 570575.76
E 1709059.02

MH A-4
N 570995.97
E 1709108.59

EX. SANITARY SEWER
TO BE ABANDONED

EX. 10' WIDE X 9' TALL
CONCRETE BOX CULVERT

EX. MANHOLE
TO BE REMOVED

CONNECT TO EX
MH
N 569941.31
E 1709074.77

EX. 8" SEWER LINE TO BE
REMOVED AND REPLACED
WITH PROP. 10" SEWER
LINE

EX. SANITARY
SEWER TO BE
ABANDONED

12" BUTTERFLY VALVE

NOTES:

1) CONTRACTOR SHALL REFORM INVERT OF EXISTING MH B-2 TO ACCOMODATE NEW OUTLET. OPENING OF EXISTING OUTLET SHALL BE FILLED WITH NON-SHRINK GROUT.

MATCH LINE SEE SHT. NO U1-43

MATCH LINE SEE SHT. NO U1-45

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - SANITARY SEWER

SCALE: 1"= 50'

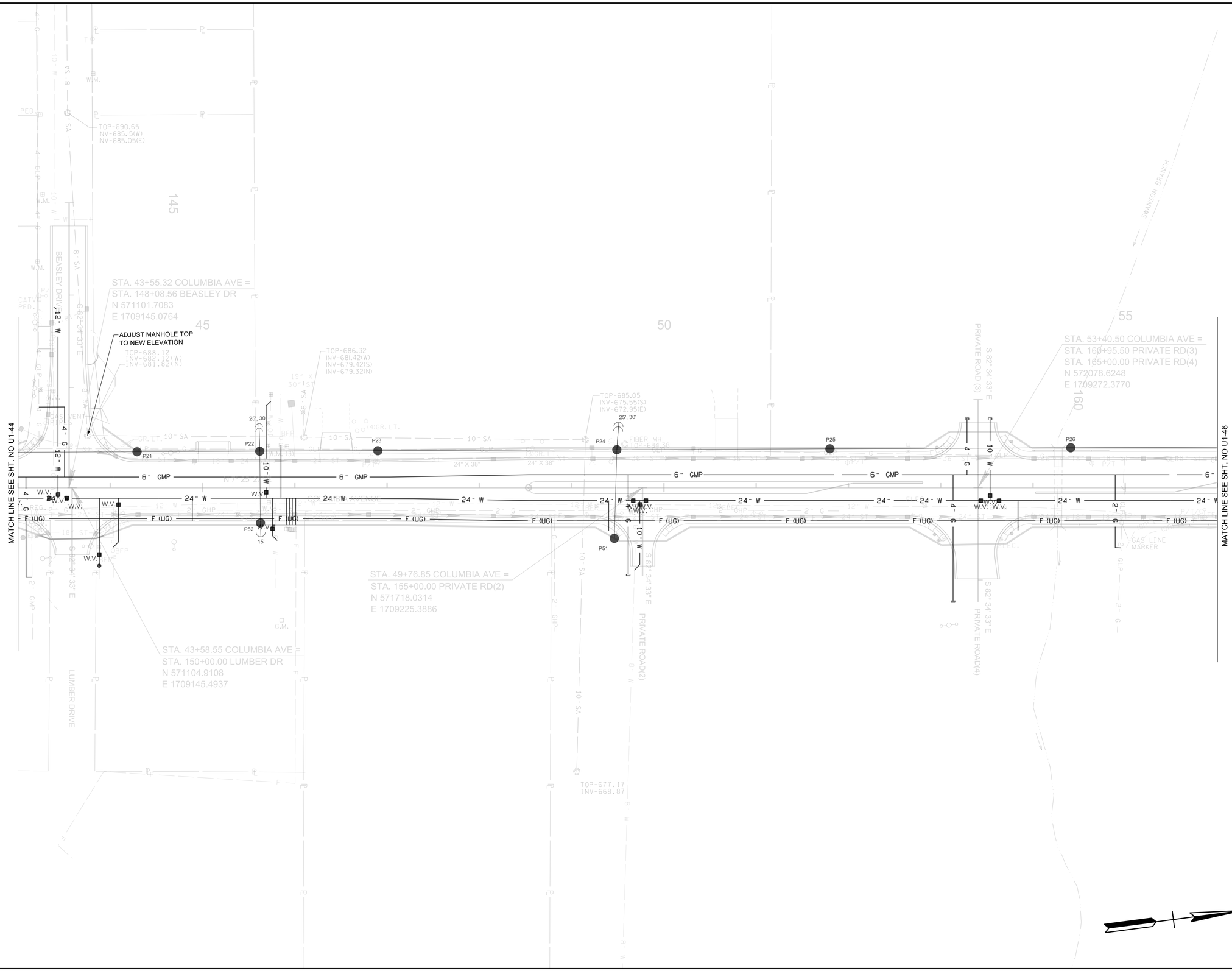
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-45



R.O.W. PLANS

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WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - SANITARY SEWER

SCALE: 1"= 50'

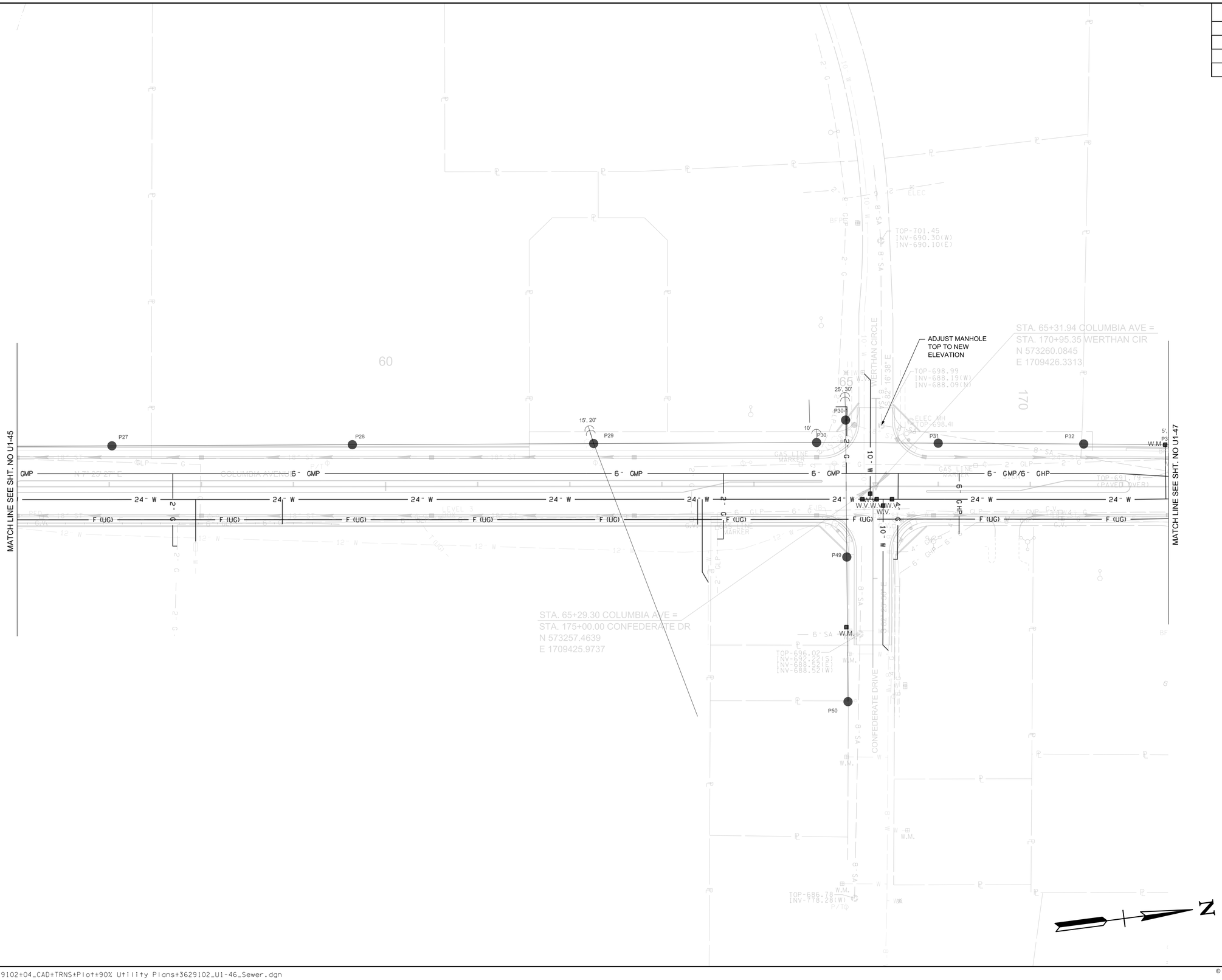
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-46



R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - SANITARY SEWER

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-47

MATCH LINE SEE SHT. NO U1-46

ADJUST MANHOLE TOP TO NEW ELEVATION

EX. SANITARY TO REMAIN

ADJUST MANHOLE TOP TO NEW ELEVATION

RELOCATED POLE (TYP.)

ADJUST MANHOLE TOP TO NEW ELEVATION

ADJUST MANHOLE TOP TO NEW ELEVATION

94LPLM-F3-079
END PROJ. NO. STP-M-NH-6(110) PRELIM.
STA. 80+68.74
N 574783.9882
E 1709624.8984

STA. 75+85.58 COLUMBIA AVE =
STA. 193+14.90 DOWNS BLVD
STA. 195+00.00 NEW ROAD
N 574304.6907
E 1709563.9866

STA. 69+06.87 COLUMBIA AVE =
STA. 180+00.00 CARR AVE
N 573631.7944
E 1709475.3139

STA. 77+75.26 COLUMBIA AVE =
STA. 205+00.00 JAMES AVE
N 574492.8562
E 1709587.8997

R.O.W. PLANS

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CITY OF FRANKLIN
WILLIAMSON COUNTY, TN

COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - SANITARY SEWER

SCALE: 1"= 50'

BARGE DESIGN SOLUTIONS

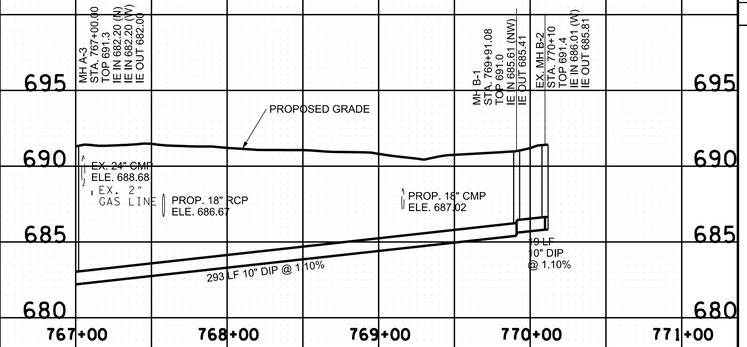
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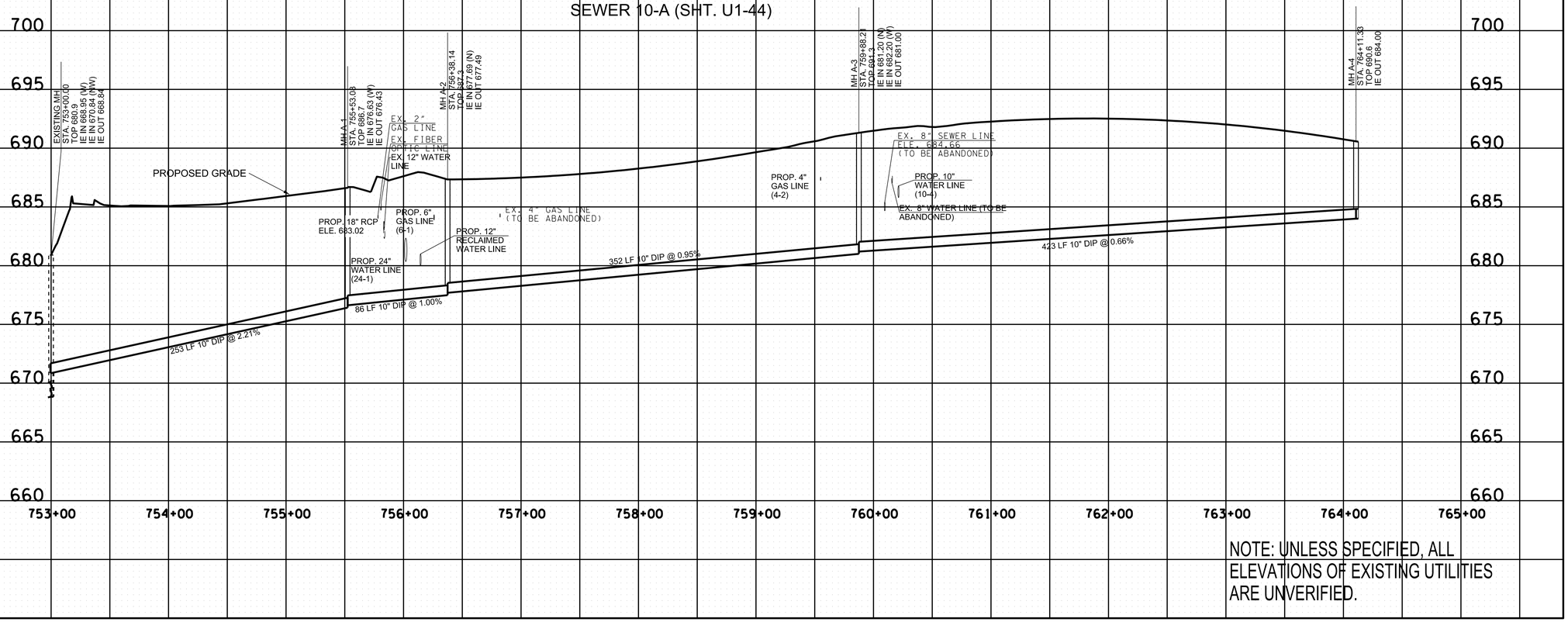
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2021	STP-M-NH-6(110)	U1-48

SEWER 10-B (SHT. U1-44)



SEWER 10-A (SHT. U1-44)



NOTE: UNLESS SPECIFIED, ALL ELEVATIONS OF EXISTING UTILITIES ARE UNVERIFIED.

R.O.W.

PLANS

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CITY OF FRANKLIN
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COLUMBIA AVENUE

PROPOSED UTILITY LAYOUT - SEWER

BARGE DESIGN SOLUTIONS

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