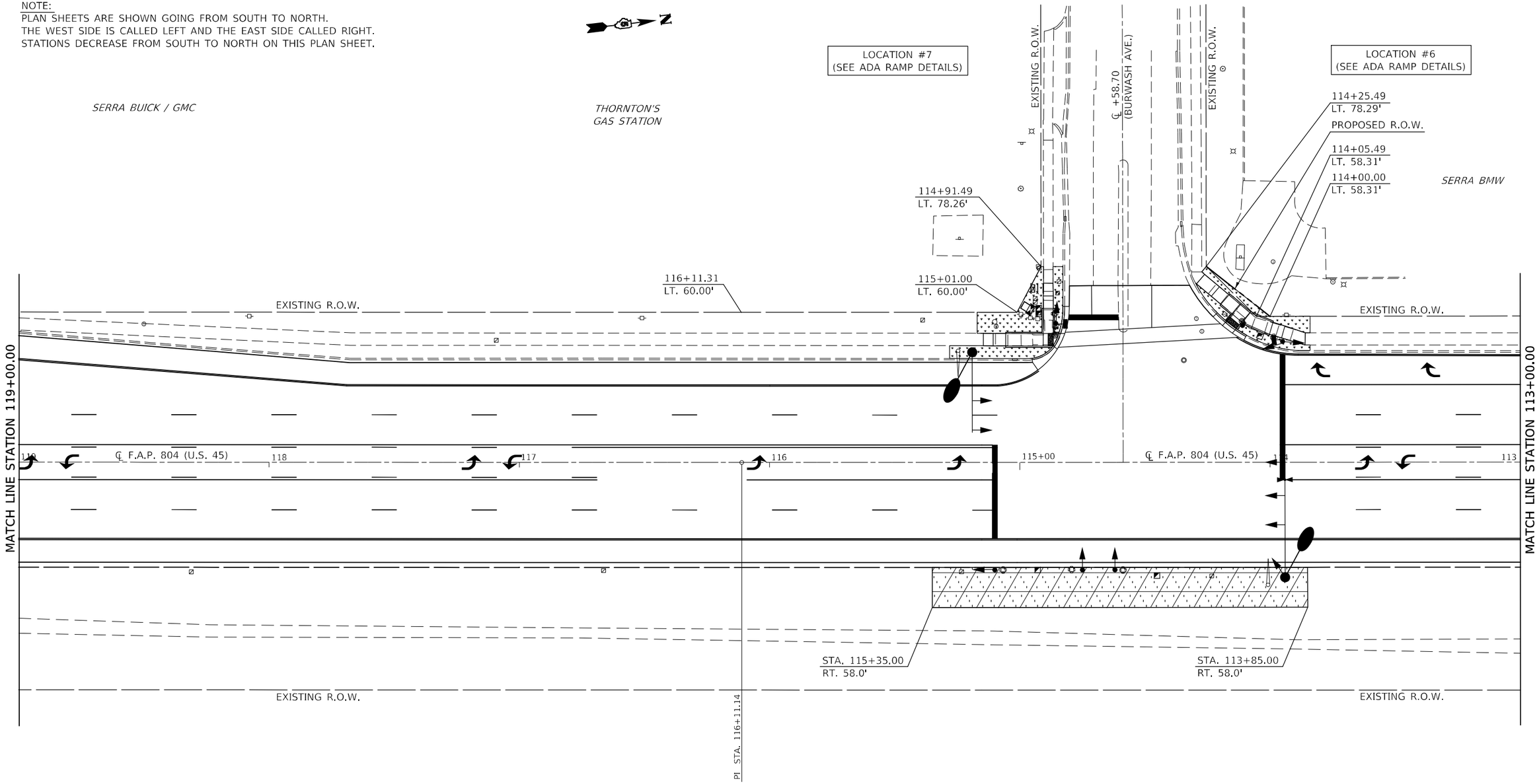
SEC. 25, T.19N., R.8E., 3RD P.M.

SEC. 25, T.19N., R.8E., 3RD P.M.

NOTE:
PLAN SHEETS ARE SHOWN GOING FROM SOUTH TO NORTH.
THE WEST SIDE IS CALLED LEFT AND THE EAST SIDE CALLED RIGHT.
STATIONS DECREASE FROM SOUTH TO NORTH ON THIS PLAN SHEET.



SODDING, SALT TOLERANT

SEEDING CLASS 4 & 5A,
FERTILIZER, MULCH METHOD 2

SEC. 25, T.19N., R.8E., 3RD P.M.

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57099\CADData\CADsheets\D570991-Sht-Seeding.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 4 OF 28 SHEETS | STA. 119+00.00 TO STA. 113+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	201
		CONTRACT NO. 70991		
		ILLINOIS FED. AID PROJECT		

SEC. 25, T.19N., R.8E., 3RD P.M.

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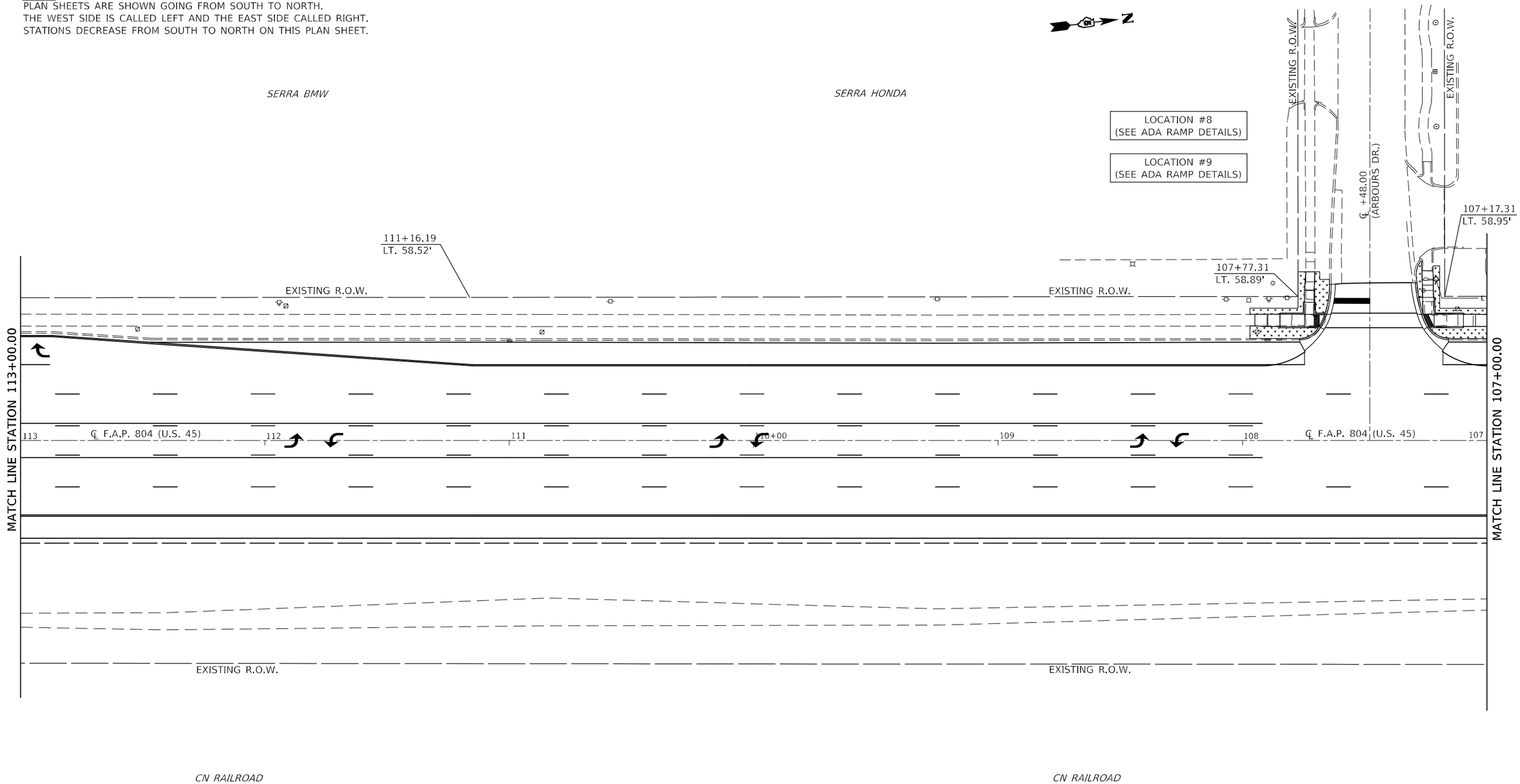
STATIONS DECREASE FROM SOUTH TO NORTH ON THIS PLAN SHEET.



SODDING, SALT TOLERANT

SEEDING CLASS 4 & 5A,
FERTILIZER, MULCH METHOD 2

SEC. 25, T.19N., R.8E., 3RD P.M.

MODEL: $MODELNAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D57099\CADData\CADsheets\D57099-Sht-Seeding.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 5 OF 28 SHEETS | STA. 113+00.00 TO STA. 107+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	202

CONTRACT NO. 70991

ILLINOIS | FED. AID PROJECT

SEC. 25, T.19N., R.8E., 3RD P.M.

NOTE:
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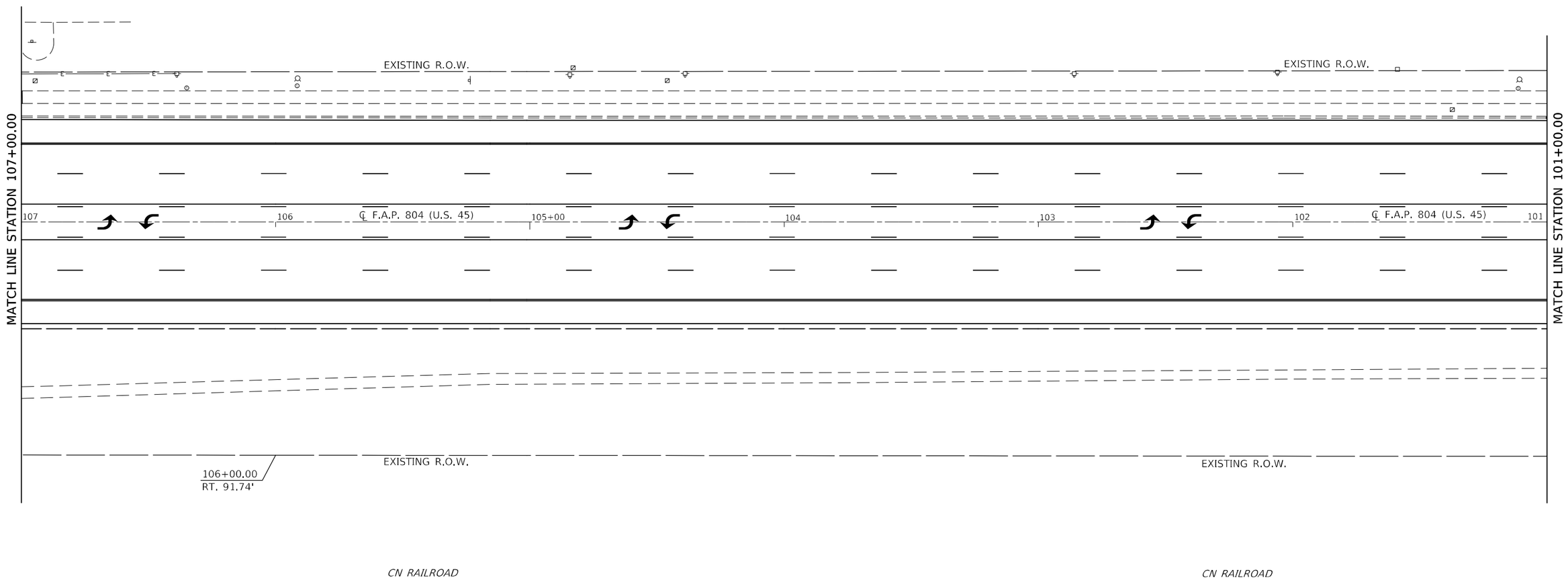
STATIONS DECREASE FROM SOUTH TO NORTH ON THIS PLAN SHEET.



SODDING, SALT TOLERANT

SEEDING CLASS 4 & 5A,
FERTILIZER, MULCH METHOD 2

SEC. 25, T.19N., R.8E., 3RD P.M.

MODEL: $MODELNAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D57099\CADData\CADsheet\D570991-Sht-Seeding.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
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PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 6 OF 28 SHEETS | STA. 107+00.00 TO STA. 101+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	203
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

SEC. 25, T.19N., R.8E., 3RD P.M.

NOTE:
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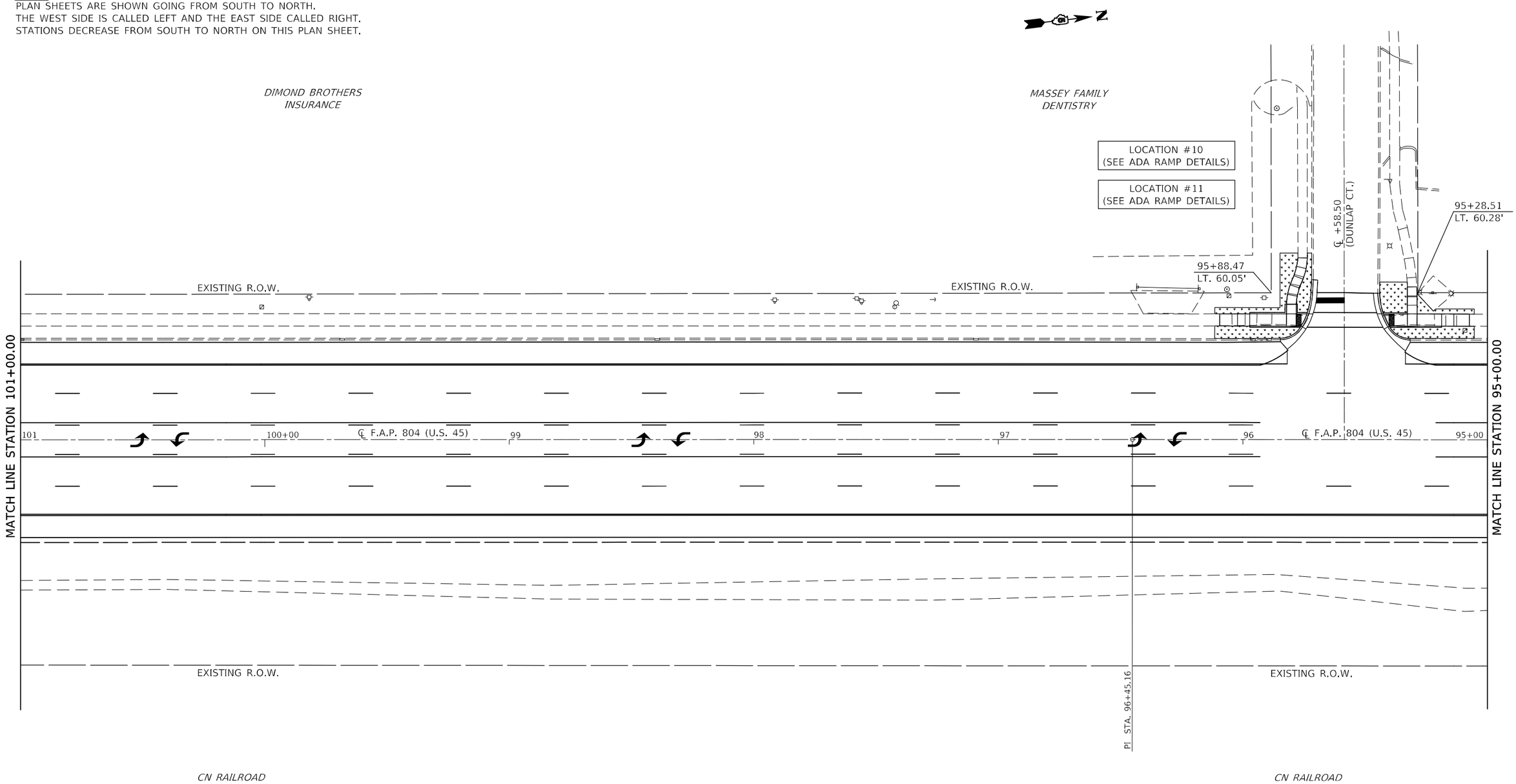
STATIONS DECREASE FROM SOUTH TO NORTH ON THIS PLAN SHEET.



SODDING, SALT TOLERANT

SEEDING CLASS 4 & 5A, FERTILIZER, MULCH METHOD 2

SEC. 25, T.19N., R.8E., 3RD P.M.

MODEL: $MODELNAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57099\CADData\CADsheets\D570991-Sht-Seeding.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 7 OF 28 SHEETS | STA. 101+00.00 TO STA. 95+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	204
		CONTRACT NO. 70991		
		ILLINOIS FED. AID PROJECT		

SEC. 25, T.19N., R.8E., 3RD P.M.

NOTE:
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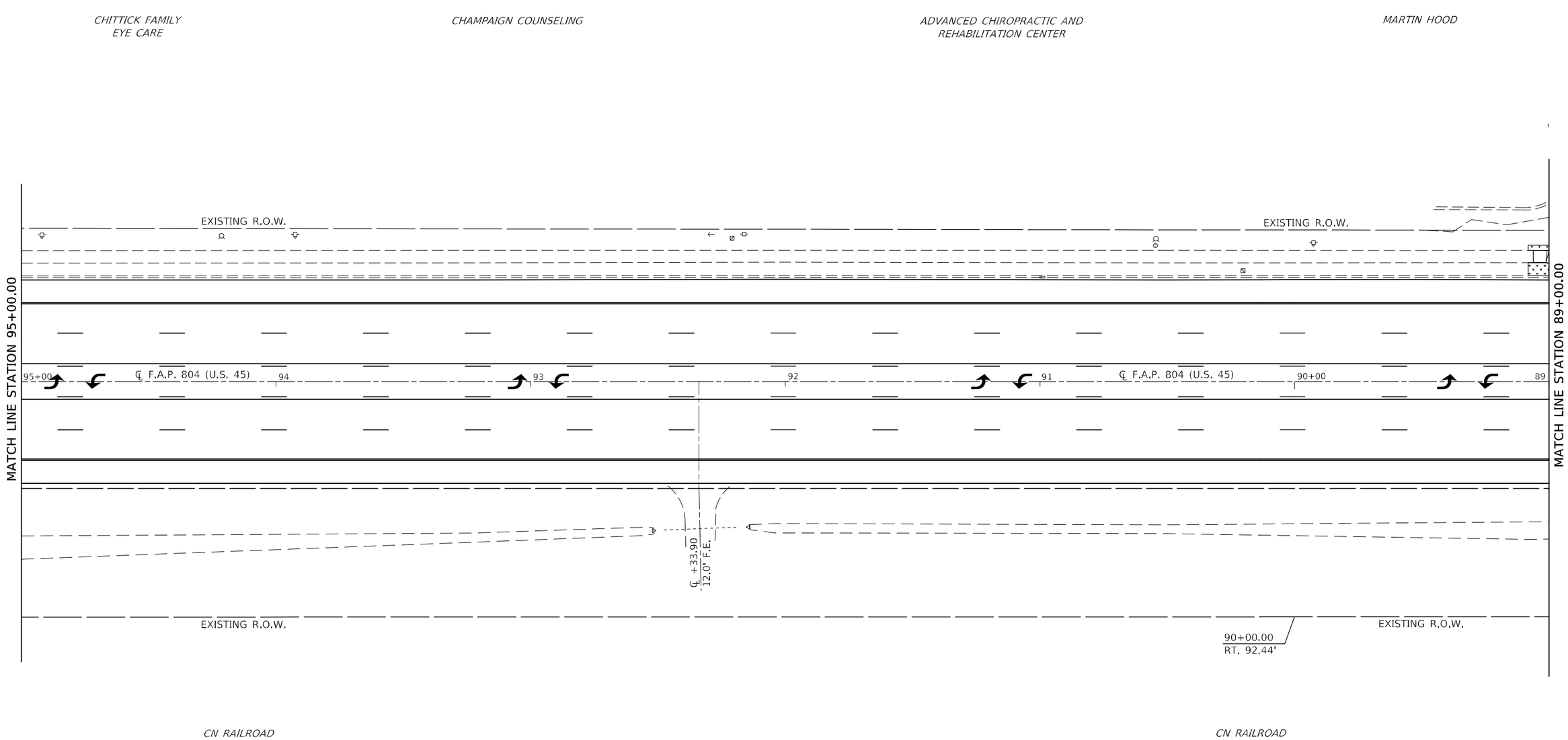
STATIONS DECREASE FROM SOUTH TO NORTH ON THIS PLAN SHEET.



SODDING, SALT TOLERANT

SEEDING CLASS 4 & 5A,
FERTILIZER, MULCH METHOD 2

SEC. 25, T.19N., R.8E., 3RD P.M.

MODEL: $MODELNAME$
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PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 8 OF 28 SHEETS | STA. 95+00.00 TO STA. 89+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	205

CONTRACT NO. 70991

ILLINOIS | FED. AID PROJECT

SEC. 25, T.19N., R.8E., 3RD P.M.

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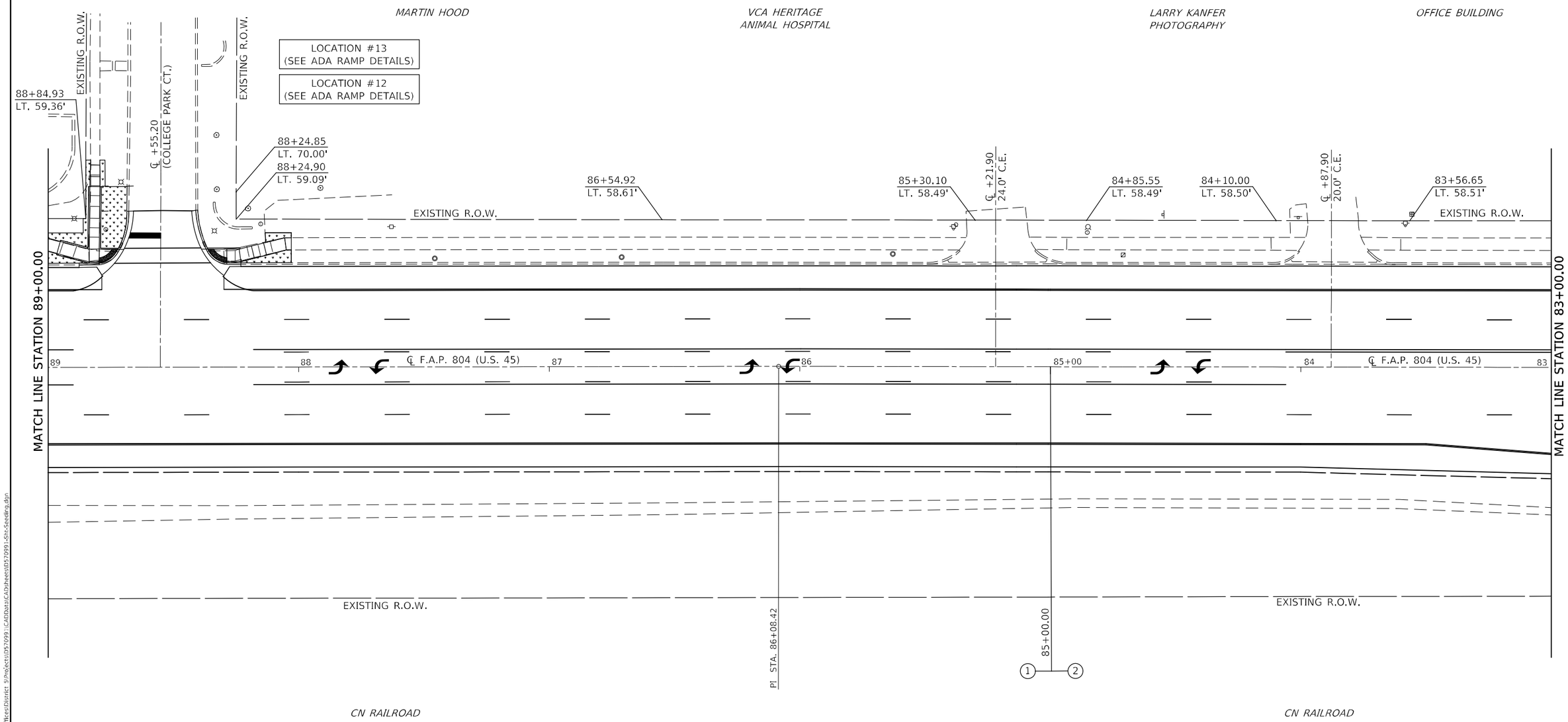

SODDING, SALT TOLERANT

SEEDING CLASS 4 & 5A, FERTILIZER, MULCH METHOD 2

SEC. 25, T.19N., R.8E., 3RD P.M.

MODEL: SMODELNAMES
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USER NAME = Greg.Faglin	DESIGNED -	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 9 OF 28 SHEETS | STA. 89+00.00 TO STA. 83+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	206
		CONTRACT NO. 70991		
		ILLINOIS FED. AID PROJECT		

SEC. 25, T.19N., R.8E., 3RD P.M.

SEC. 24, T.19N., R.8E., 3RD P.M.

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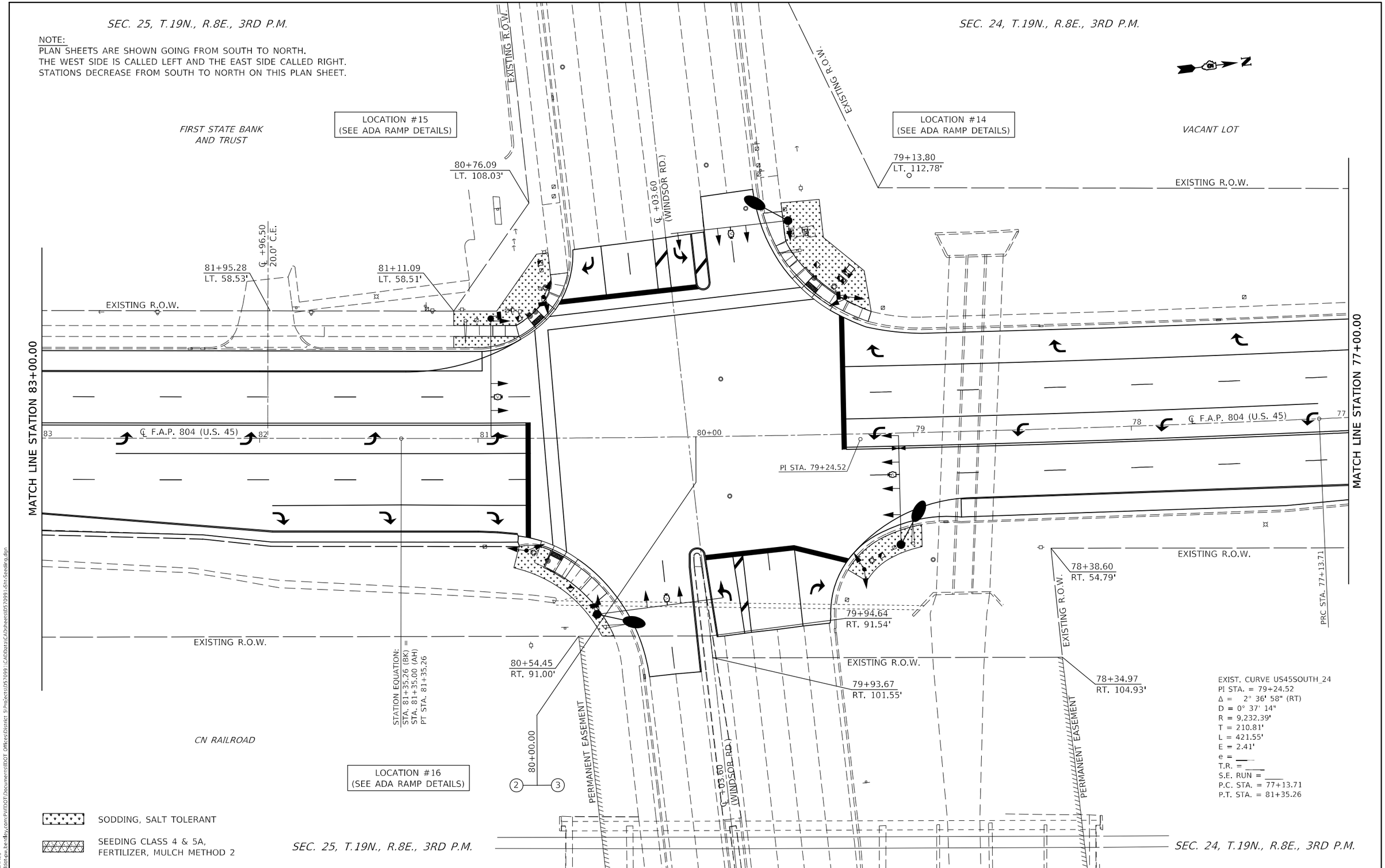

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FILE NAME: pw:\\illinois-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570991\CADData\CADsheets\D570991-Sht-Seeding.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 10 OF 28 SHEETS | STA. 83+00.00 TO STA. 77+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	207
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

SEC. 24, T.19N., R.8E., 3RD P.M.

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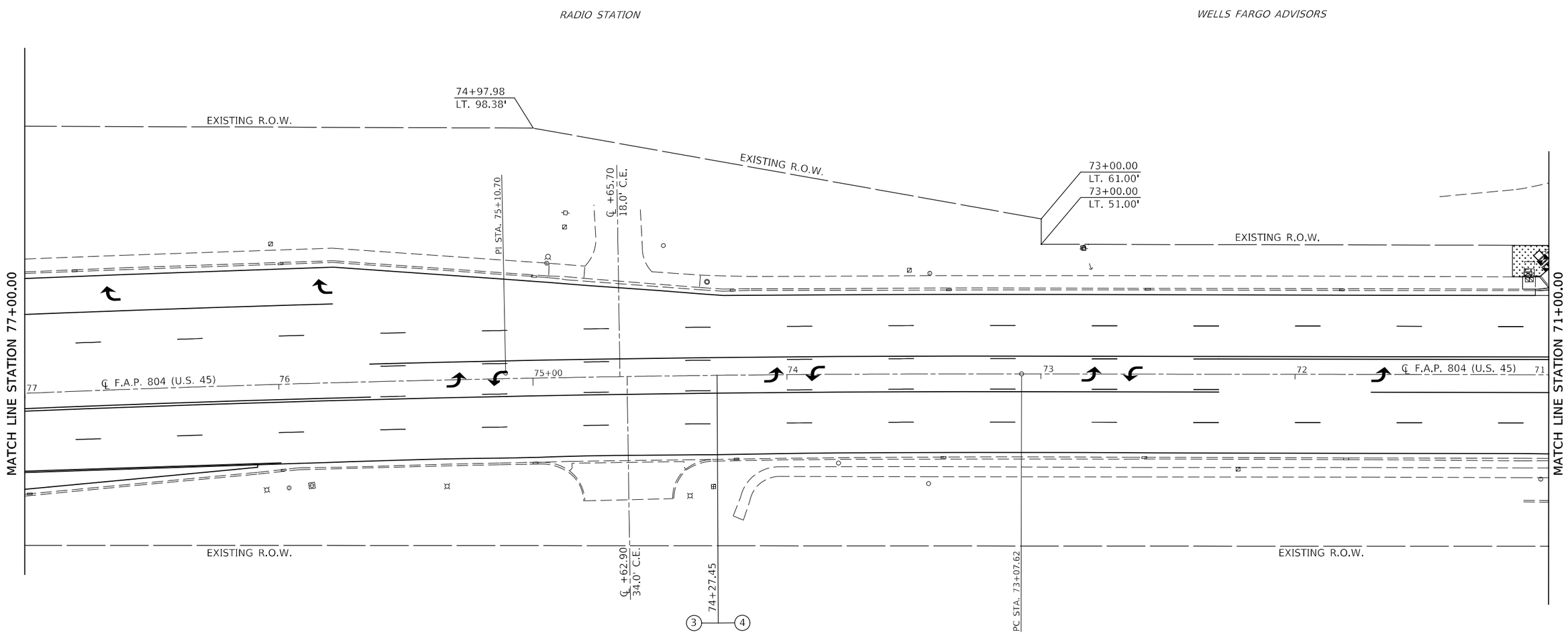

EXIST. CURVE US45SOUTH_23
PI STA. = 75+10.70
Δ = 2° 30' 32" (LT)
D = 0° 37' 04"
R = 9,273.88'
T = 203.08'
L = 406.10'
E = 2.22'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 73+07.62
P.T. STA. = 77+13.71

ARBY'S

CULVER'S

SODDING, SALT TOLERANT

SEEDING CLASS 4 & 5A,
FERTILIZER, MULCH METHOD 2

SEC. 24, T.19N., R.8E., 3RD P.M.

MODEL: $MODEL NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57099\CADData\CADsheets\D570991-Sht-Seeding.dgn

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PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 11 OF 28 SHEETS | STA. 77+00.00 TO STA. 71+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	208
		CONTRACT NO. 70991		
		ILLINOIS FED. AID PROJECT		

SEC. 24, T.19N., R.8E., 3RD P.M.

LOCATION #18
(SEE ADA RAMP DETAILS)

LOCATION #17
(SEE ADA RAMP DETAILS)

US 45 & KNOLLWOOD DRIVE / S.W. QUADRANT
RIGHT-OF-WAY STATION / OFFSETS

N

WELLS FARGO ADVISORS

BIAGGI'S

SHOPPES OF KNOLLWOOD SHOPPING MALL

69+89.06
LT. 90.00'
69+88.51
LT. 84.36'
PROPOSED R.O.W.

69+73.00
LT. 71.59'
69+70.00
LT. 74.23'

PROPOSED T.E.
69+55.06
LT. 51.02'
69+50.00
LT. 51.02'

70+57.50
LT. 89.13'
70+57.85
LT. 82.00'
PROPOSED R.O.W.
PROPOSED T.E.
70+91.00
LT. 50.93'
70+94.00
LT. 50.93'
70+58.00
LT. 79.00'
70+55.95
LT. 73.29'
EXISTING R.O.W.
70+82.89
LT. 50.92'

EXIST. R.O.W.
℄ +18.50 (KNOLLWOOD DR.)
EXISTING R.O.W.

EXISTING R.O.W.

MATCH LINE STATION 71+00.00

℄ F.A.P. 804 (U.S. 45)

71 70+00 69 68 67 66 65+00

MATCH LINE STATION 65+00.00

℄ +16.00
44.0' C.E.

68+00.00

PI STA. 67+41.91

℄ +03.00
34.0' C.E.

EXISTING R.O.W.

4 5

LOCATION #19
(SEE ADA RAMP DETAILS)

CAR-X TIRE & AUTO SERVICE

PATRICIAS

ELEGANT NAILS LOUNGE

SODDING, SALT TOLERANT

SEEDING CLASS 4 & 5A, FERTILIZER, MULCH METHOD 2

SEC. 24, T.19N., R.8E., 3RD P.M.

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STATIONS DECREASE FROM SOUTH TO NORTH ON THIS PLAN SHEET.

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USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 12 OF 28 SHEETS | STA. 71+00.00 TO STA. 65+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	209
		CONTRACT NO. 70991		
		ILLINOIS FED. AID PROJECT		

SEC. 24, T.19N., R.8E., 3RD P.M.

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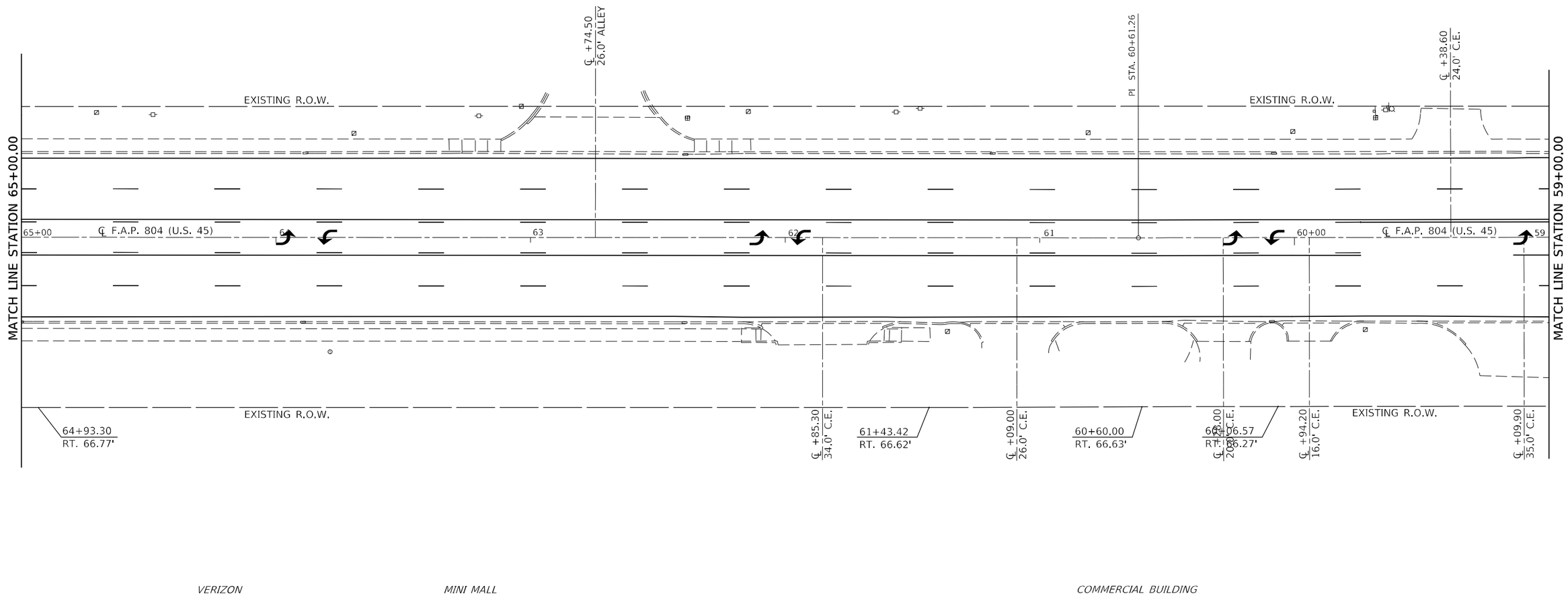

SODDING, SALT TOLERANT

SEEDING CLASS 4 & 5A,
FERTILIZER, MULCH METHOD 2

SEC. 24, T.19N., R.8E., 3RD P.M.

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Districts 5\Project\D570991\CADData\CADsheets\D570991-Sht-Seeding.dgn

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PLOT DATE = 6/26/2024	DATE -	REVISED -	

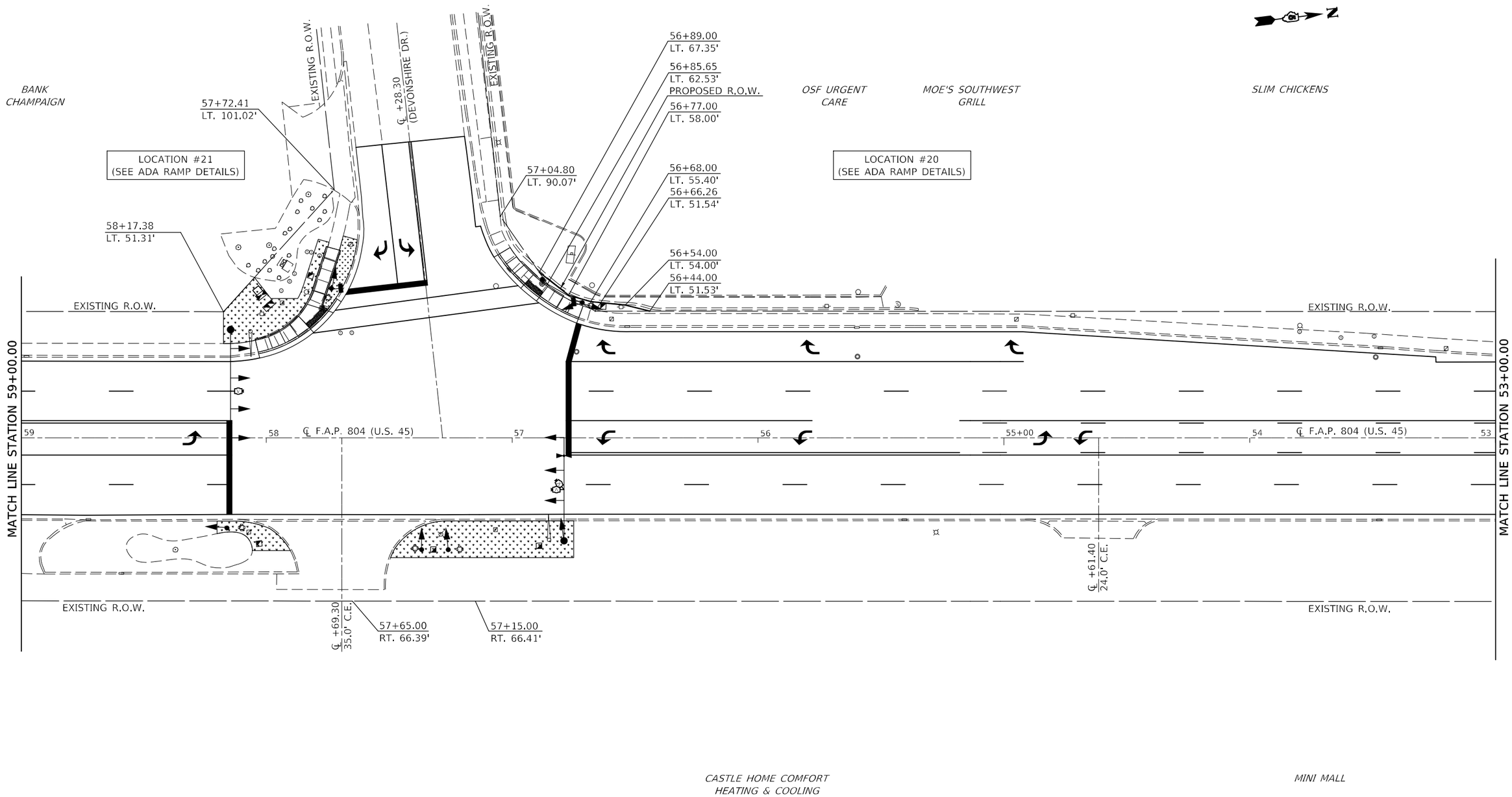
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 13 OF 28 SHEETS | STA. 65+00.00 TO STA. 59+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	210
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

SEC. 24, T.19N., R.8E., 3RD P.M.



SODDING, SALT TOLERANT

SEEDING CLASS 4 & 5A, FERTILIZER, MULCH METHOD 2

SEC. 24, T.19N., R.8E., 3RD P.M.

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STATIONS DECREASE FROM SOUTH TO NORTH ON THIS PLAN SHEET.

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57099\CADData\CADsheets\D57099-SH-Seeding.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 14 OF 28 SHEETS | STA. 59+00.00 TO STA. 53+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	211
		CONTRACT NO. 70991		
		ILLINOIS FED. AID PROJECT		

SEC. 24, T.19N., R.8E., 3RD P.M.

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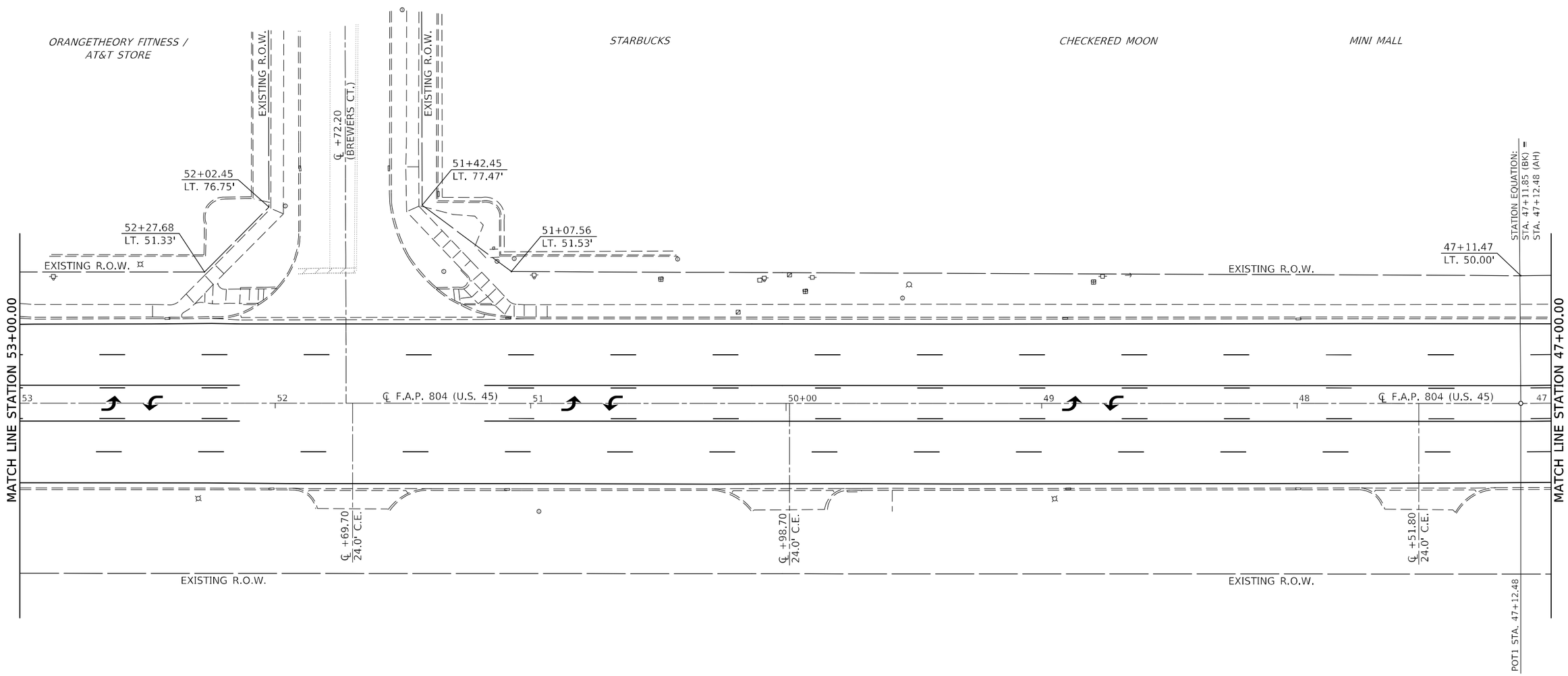

MINI MALL

MINI MALL

SODDING, SALT TOLERANT

SEEDING CLASS 4 & 5A,
FERTILIZER, MULCH METHOD 2

SEC. 24, T.19N., R.8E., 3RD P.M.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 15 OF 28 SHEETS | STA. 53+00.00 TO STA. 47+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	212
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

SEC. 24, T.19N., R.8E., 3RD P.M.

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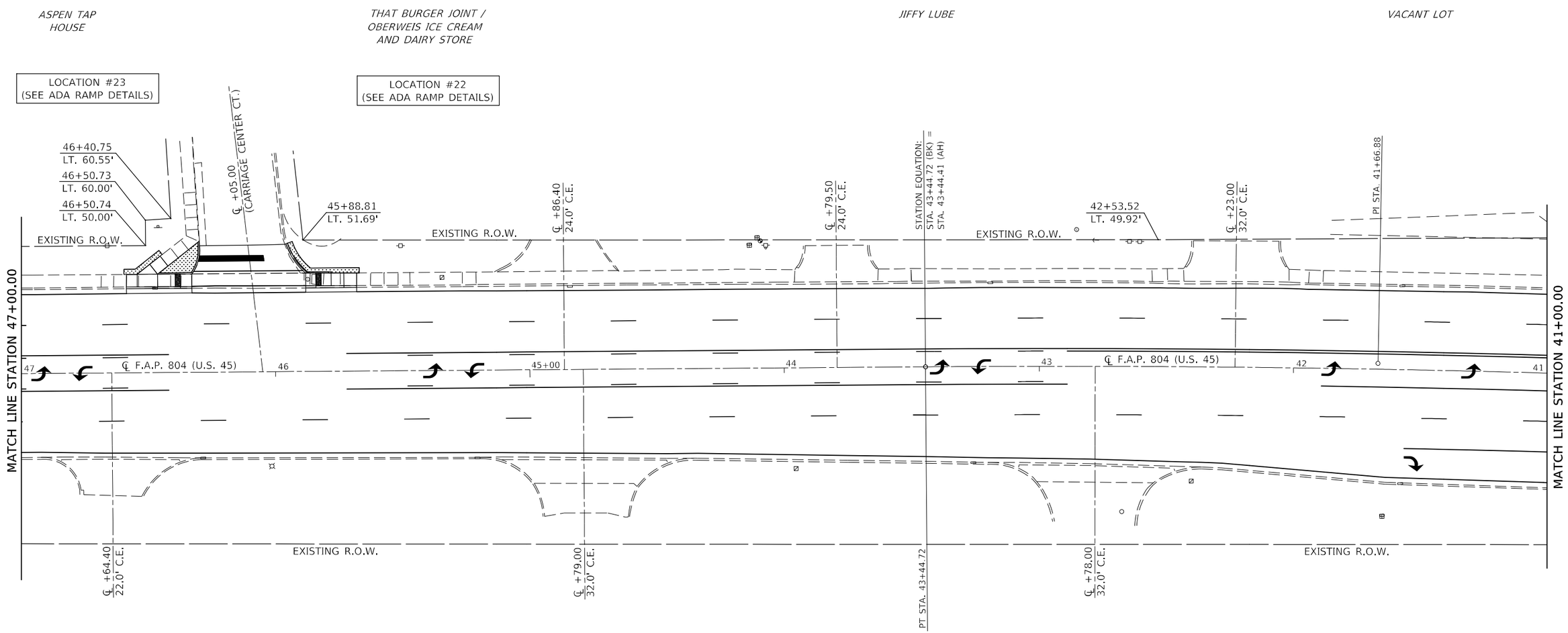

EXIST. CURVE US45SOUTH_12
PI STA. = 41+66.88
Δ = 2° 56' 18" (LT)
D = 0° 49' 33"
R = 6,937.29'
T = 177.92'
L = 355.76'
E = 2.28'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 39+88.96
P.T. STA. = 43+44.72

SODDING, SALT TOLERANT

SEEDING CLASS 4 & 5A, FERTILIZER, MULCH METHOD 2

SEC. 24, T.19N., R.8E., 3RD P.M.

MODEL: $MODEL$NAME
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PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 16 OF 28 SHEETS | STA. 47+00.00 TO STA. 41+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	213
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

SEC. 24, T.19N., R.8E., 3RD P.M.

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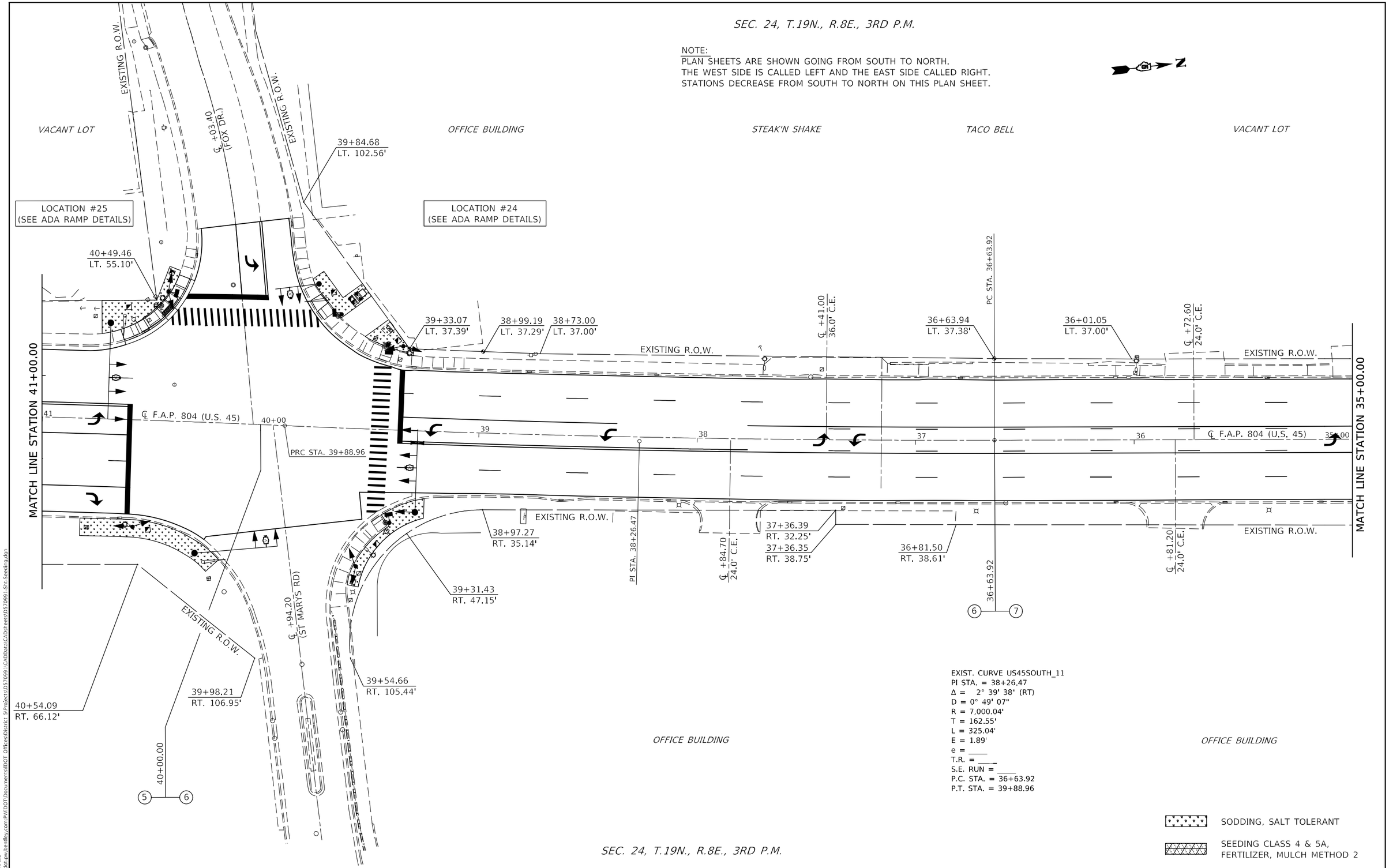


EXIST. CURVE US45SOUTH_11
PI STA. = 38+26.47
Δ = 2° 39' 38" (RT)
D = 0° 49' 07"
R = 7,000.04'
T = 162.55'
L = 325.04'
E = 1.89'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 36+63.92
P.T. STA. = 39+88.96

SODDING, SALT TOLERANT

SEEDING CLASS 4 & 5A, FERTILIZER, MULCH METHOD 2

MODEL: $MODEL$NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D570991\CADData\CADsheets\D570991-Sht-Siedlng.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

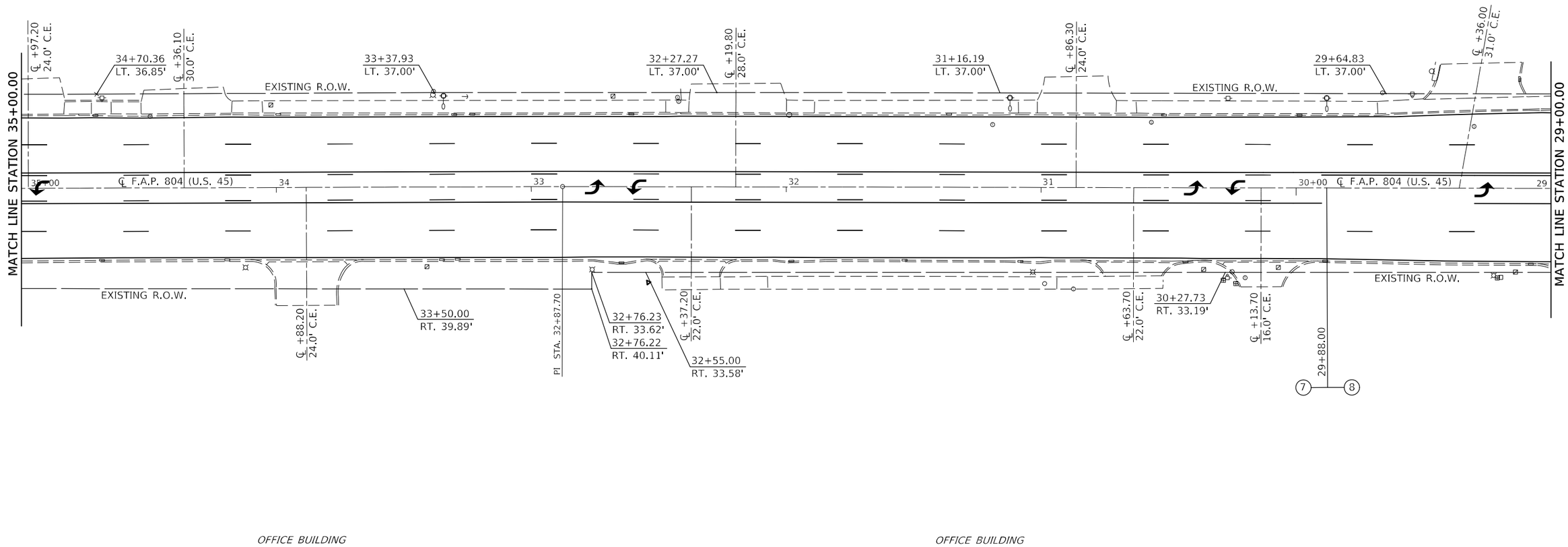
SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 17 OF 28 SHEETS | STA. 41+00.00 TO STA. 35+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	214
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

SEC. 24, T.19N., R.8E., 3RD P.M.

NOTE:
PLAN SHEETS ARE SHOWN GOING FROM SOUTH TO NORTH.
THE WEST SIDE IS CALLED LEFT AND THE EAST SIDE CALLED RIGHT.
STATIONS DECREASE FROM SOUTH TO NORTH ON THIS PLAN SHEET.



SODDING, SALT TOLERANT

SEEDING CLASS 4 & 5A, FERTILIZER, MULCH METHOD 2

SEC. 24, T.19N., R.8E., 3RD P.M.

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D57099\CADData\CADsheets\D57099-Sht-Seeding.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SODDING & SEEDING PLAN SHEETS

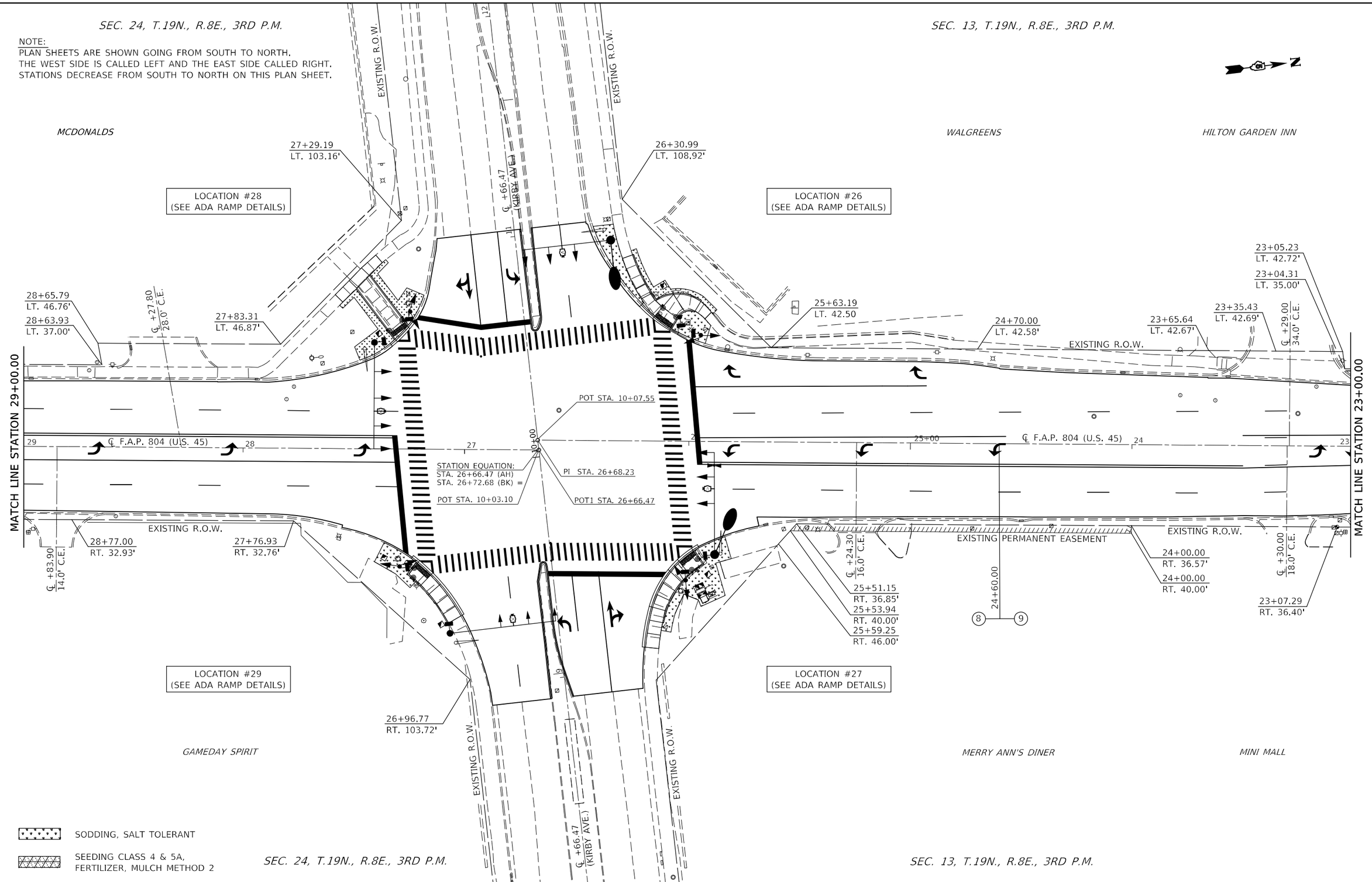
SCALE: 1" = 20' | SHEET 18 OF 28 SHEETS | STA. 35+00.00 TO STA. 29+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	215

CONTRACT NO. 70991

ILLINOIS | FED. AID PROJECT

NOTE:
PLAN SHEETS ARE SHOWN GOING FROM SOUTH TO NORTH.
THE WEST SIDE IS CALLED LEFT AND THE EAST SIDE CALLED RIGHT.
STATIONS DECREASE FROM SOUTH TO NORTH ON THIS PLAN SHEET.



USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SODDING & SEEDING PLAN SHEETS

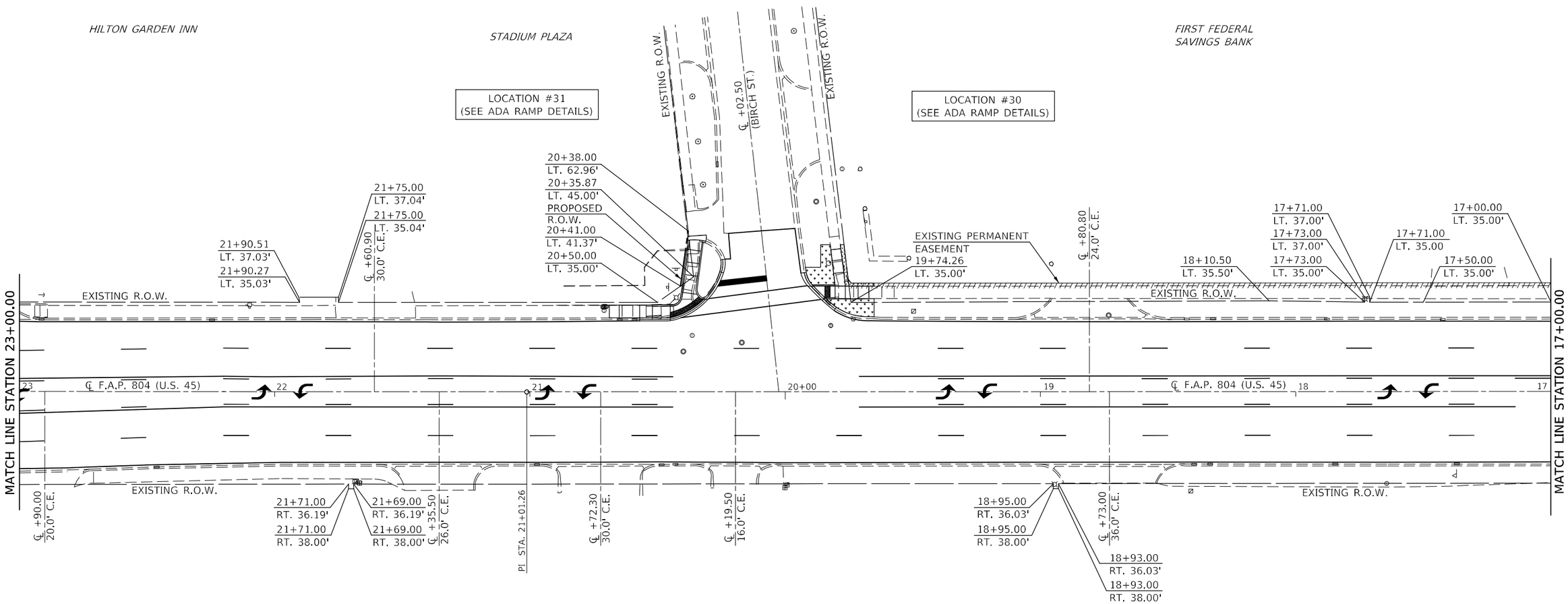
SCALE: 1" = 20' | SHEET 19 OF 28 SHEETS | STA. 29+00.00 TO STA. 23+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	216
		CONTRACT NO. 70991		
		ILLINOIS FED. AID PROJECT		

MODEL: SMODELNAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57099\CADData\CADsheets\D57099-Sht-Seeding.dgn

SEC. 13, T.19N., R.8E., 3RD P.M.

NOTE:
PLAN SHEETS ARE SHOWN GOING FROM SOUTH TO NORTH.
THE WEST SIDE IS CALLED LEFT AND THE EAST SIDE CALLED RIGHT.
STATIONS DECREASE FROM SOUTH TO NORTH ON THIS PLAN SHEET.



SODDING, SALT TOLERANT

SEEDING CLASS 4 & 5A, FERTILIZER, MULCH METHOD 2

SEC. 13, T.19N., R.8E., 3RD P.M.

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57099\CADData\CADsheets\D570991-Sht-Seeding.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

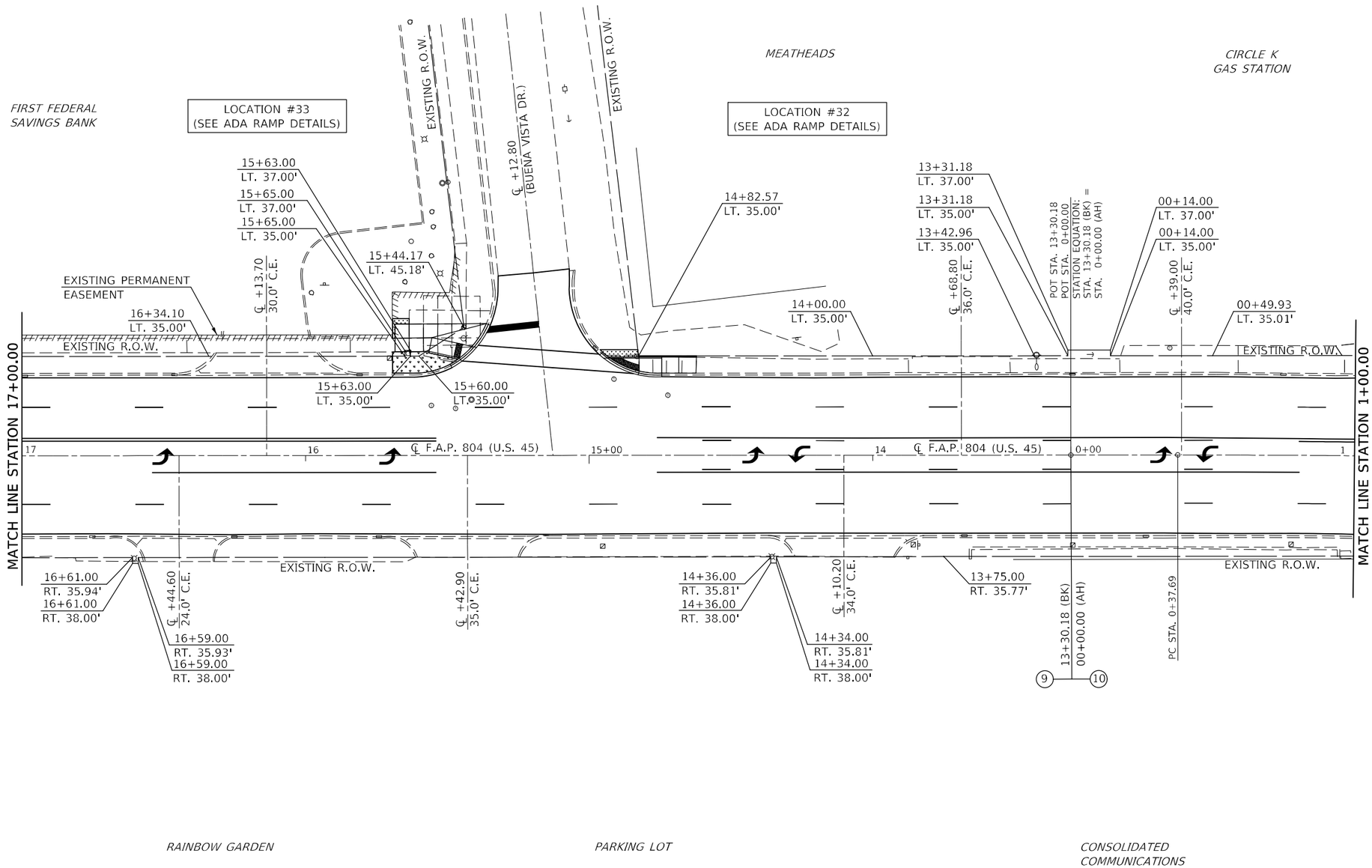
SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 20 OF 28 SHEETS | STA. 23+00.00 TO STA. 17+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	217
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

SEC. 13, T.19N., R.8E., 3RD P.M.

NOTE:
PLAN SHEETS ARE SHOWN GOING FROM SOUTH TO NORTH.
THE WEST SIDE IS CALLED LEFT AND THE EAST SIDE CALLED RIGHT.
STATIONS DECREASE FROM SOUTH TO NORTH ON THIS PLAN SHEET.



SODDING, SALT TOLERANT

SEEDING CLASS 4 & 5A, FERTILIZER, MULCH METHOD 2

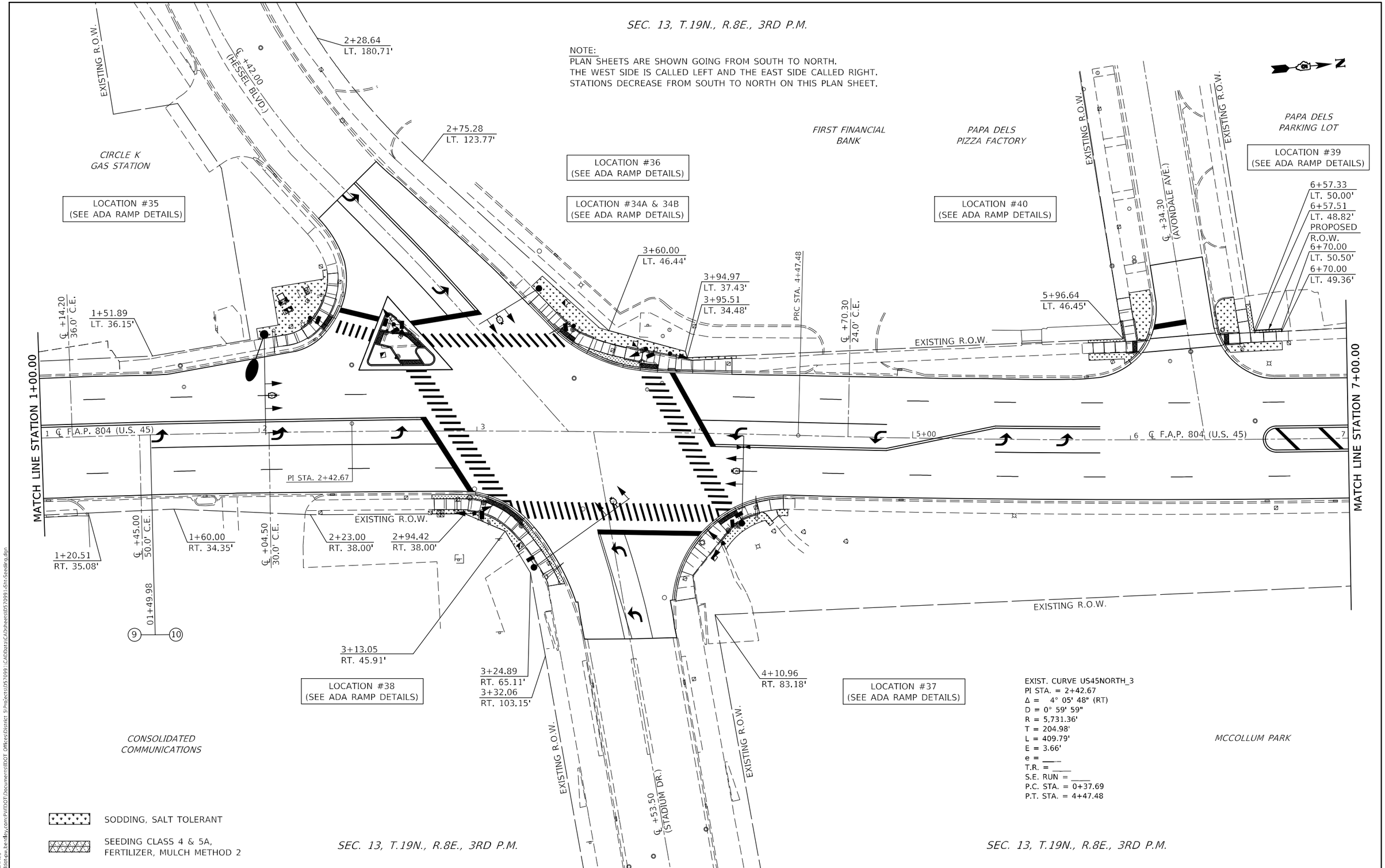
SEC. 13, T.19N., R.8E., 3RD P.M.

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D570991\CADData\CADsheets\D570991-Sht-Seeding.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SODDING & SEEDING PLAN SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
	DRAWN -	REVISED -			804	25RS-6	CHAMPAIGN	306 / 218
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 70991	
PLOT DATE = 6/26/2024	DATE -	REVISED -		SCALE: 1" = 20' SHEET 21 OF 28 SHEETS STA. 17+00.00 TO STA. 1+00.00			ILLINOIS FED. AID PROJECT	

SEC. 13, T.19N., R.8E., 3RD P.M.

NOTE:
PLAN SHEETS ARE SHOWN GOING FROM SOUTH TO NORTH.
THE WEST SIDE IS CALLED LEFT AND THE EAST SIDE CALLED RIGHT.
STATIONS DECREASE FROM SOUTH TO NORTH ON THIS PLAN SHEET.



EXIST. CURVE US45NORTH_3
PI STA. = 2+42.67
Δ = 4° 05' 48" (RT)
D = 0° 59' 59"
R = 5,731.36'
T = 204.98'
L = 409.79'
E = 3.66'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 0+37.69
P.T. STA. = 4+47.48

MODEL: $MODELNAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D57099\CADData\CADsheets\D570991-Sht-Seeding.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/26/2024	DATE -	REVISED -	

SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 22 OF 28 SHEETS | STA. 1+00.00 TO STA. 7+00.00

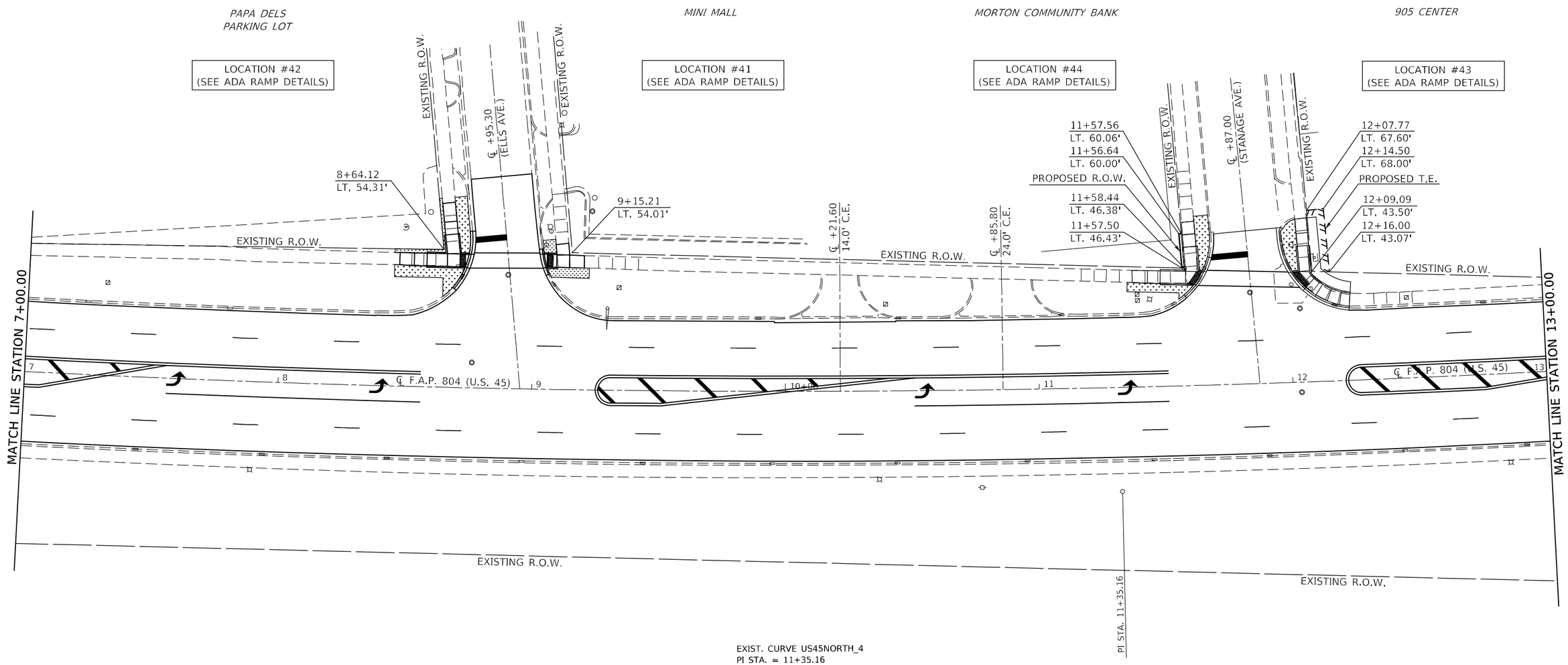
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	219

CONTRACT NO. 70991

ILLINOIS | FED. AID PROJECT

SEC. 13, T.19N., R.8E., 3RD P.M.

NOTE:
PLAN SHEETS ARE SHOWN GOING FROM SOUTH TO NORTH.
THE WEST SIDE IS CALLED LEFT AND THE EAST SIDE CALLED RIGHT.
STATIONS DECREASE FROM SOUTH TO NORTH ON THIS PLAN SHEET.



EXIST. CURVE US45NORTH_4
PI STA. = 11+35.16
Δ = 13° 39' 53" (LT)
D = 0° 59' 54"
R = 5,739.43'
T = 687.68'
L = 1,368.83'
E = 41.05'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 4+47.48
P.T. STA. = 18+16.31

SODDING, SALT TOLERANT

SEEDING CLASS 4 & 5A,
FERTILIZER, MULCH METHOD 2

SEC. 13, T.19N., R.8E., 3RD P.M.

MODEL: $MODEL NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570991\CADData\CADsheets\D570991-Sht-Seeding.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

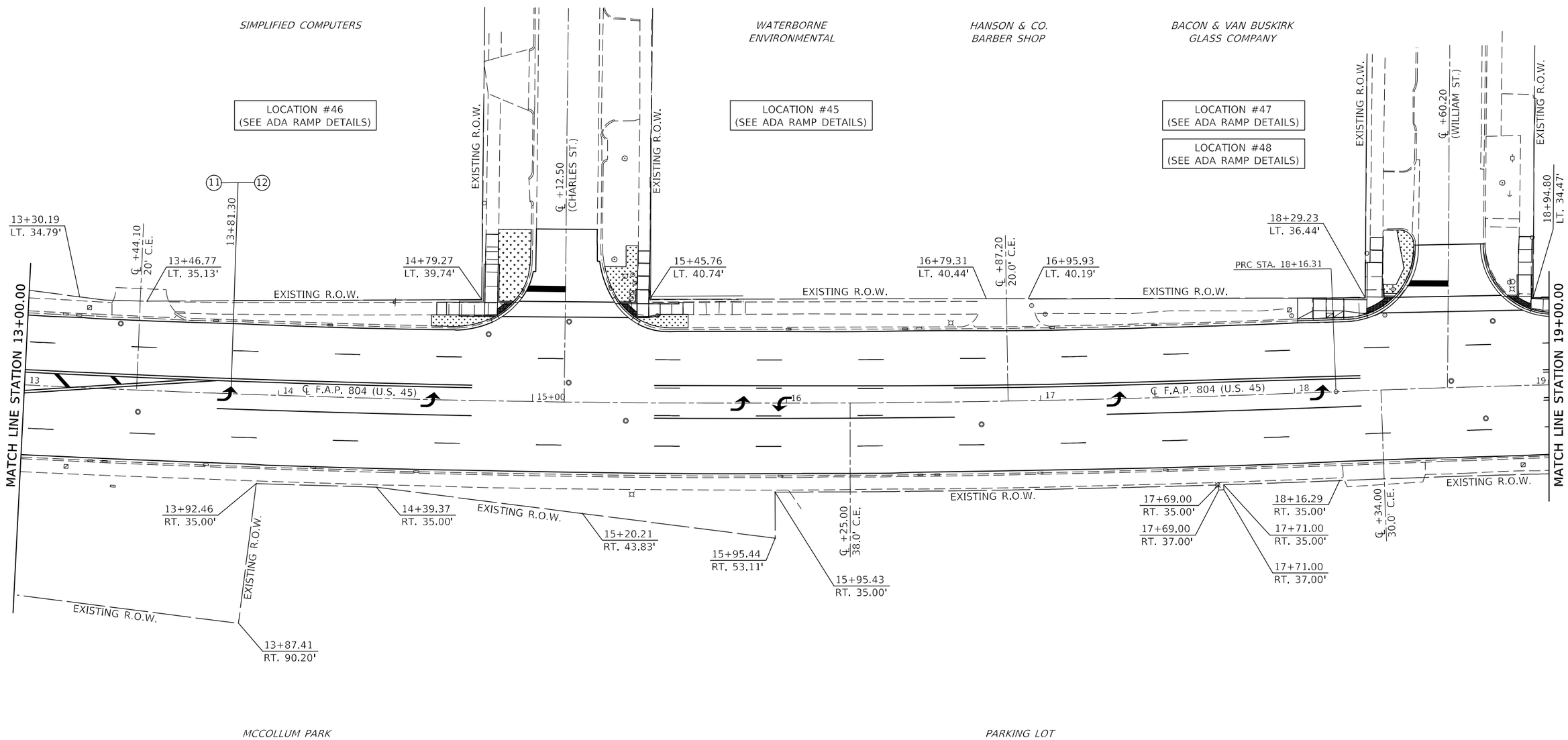
SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 23 OF 28 SHEETS | STA. 7+00.00 TO STA. 13+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	220
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

SEC. 13, T.19N., R.8E., 3RD P.M.

NOTE:
PLAN SHEETS ARE SHOWN GOING FROM SOUTH TO NORTH.
THE WEST SIDE IS CALLED LEFT AND THE EAST SIDE CALLED RIGHT.
STATIONS DECREASE FROM SOUTH TO NORTH ON THIS PLAN SHEET.



SODDING, SALT TOLERANT

SEEDING CLASS 4 & 5A, FERTILIZER, MULCH METHOD 2

SEC. 13, T.19N., R.8E., 3RD P.M.

MODEL: $MODELNAME
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570991\CADData\CADsheets\D570991-Sht-Seeding.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 24 OF 28 SHEETS | STA. 13+00.00 TO STA. 19+00.00

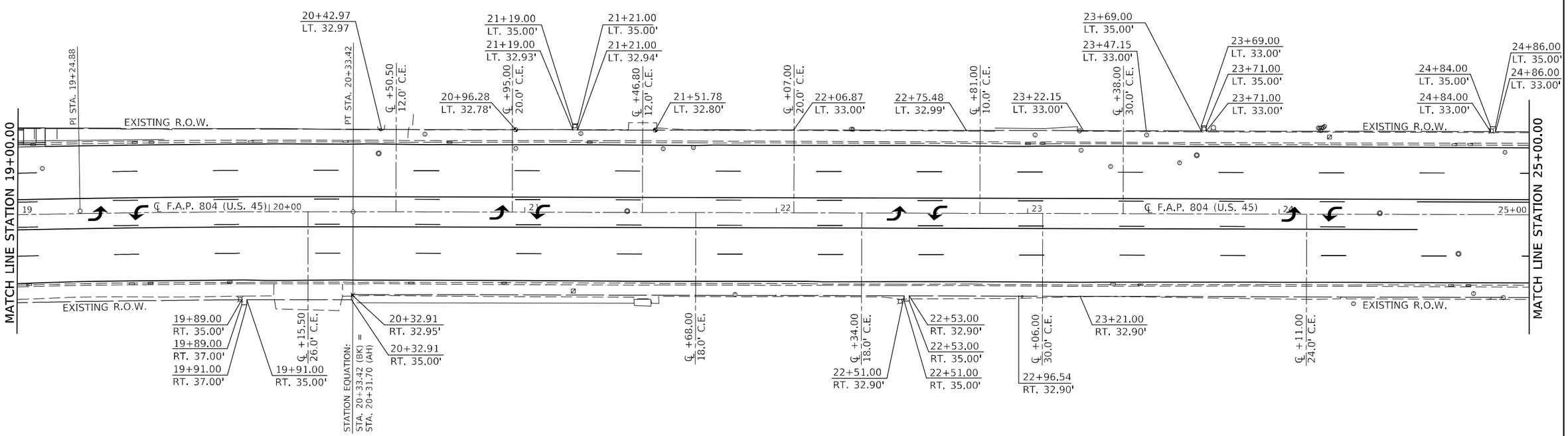
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	221

CONTRACT NO. 70991

ILLINOIS | FED. AID PROJECT

SEC. 13, T.19N., R.8E., 3RD P.M.

NOTE:
PLAN SHEETS ARE SHOWN GOING FROM SOUTH TO NORTH.
THE WEST SIDE IS CALLED LEFT AND THE EAST SIDE CALLED RIGHT.
STATIONS DECREASE FROM SOUTH TO NORTH ON THIS PLAN SHEET.



EXIST. CURVE US45NORTH_5
PI STA. = 19+24.88
Δ = 2° 09' 45" (RT)
D = 0° 59' 46"
R = 5,752.38'
T = 108.57'
L = 217.11'
E = 1.02'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 18+16.31
P.T. STA. = 20+33.42

PARKING LOT

OFFICE BUILDING

VACANT LOT

SODDING, SALT TOLERANT

SEEDING CLASS 4 & 5A, FERTILIZER, MULCH METHOD 2

SEC. 13, T.19N., R.8E., 3RD P.M.

MODEL: $MODELNAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57099\CADData\CADsheets\D57099-Sht-Seeding.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 25 OF 28 SHEETS | STA. 19+00.00 TO STA. 25+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	222

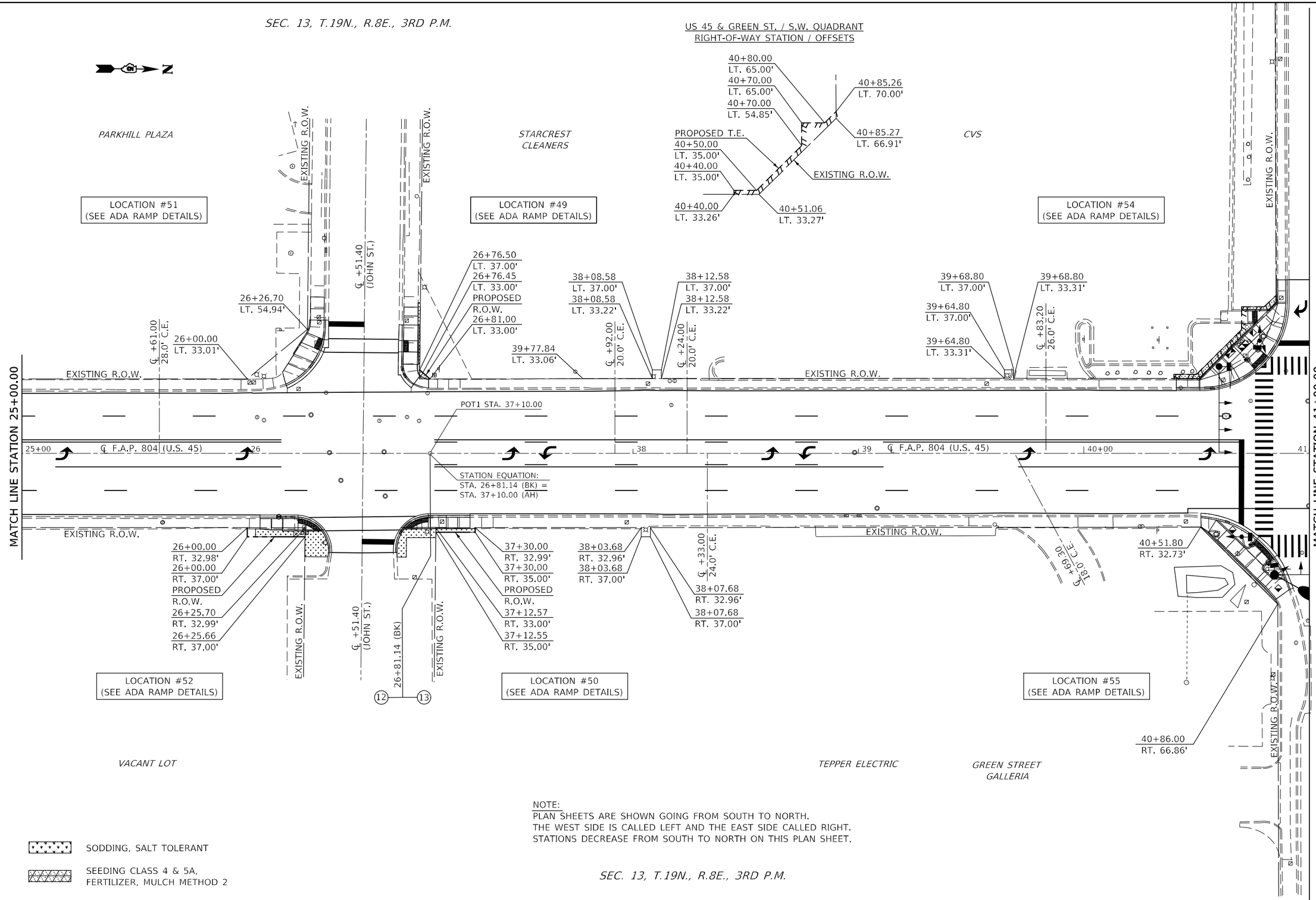
CONTRACT NO. 70991

ILLINOIS | FED. AID PROJECT

SEC. 13, T.19N., R.8E., 3RD P.M.

US 45 & GREEN ST. / S.W. QUADRANT
RIGHT-OF-WAY STATION / OFFSETS

40+80.00
LT. 65.00'
40+70.00
LT. 65.00'
40+70.00
LT. 54.85'
40+85.26
LT. 70.00'
40+85.27
LT. 66.91'
PROPOSED T.E.
40+50.00
LT. 35.00'
40+40.00
LT. 35.00'
EXISTING R.O.W.
40+40.00
LT. 33.26'
40+51.06
LT. 33.27'



NOTE:
PLAN SHEETS ARE SHOWN GOING FROM SOUTH TO NORTH.
THE WEST SIDE IS CALLED LEFT AND THE EAST SIDE CALLED RIGHT.
STATIONS DECREASE FROM SOUTH TO NORTH ON THIS PLAN SHEET.

SODDING, SALT TOLERANT

SEEDING CLASS 4 & 5A,
FERTILIZER, MULCH METHOD 2

SEC. 13, T.19N., R.8E., 3RD P.M.

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57099\CADData\CADsheets\D57099-Sht-Seeding.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 26 OF 28 SHEETS | STA. 25+00.00 TO STA. 41+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	223
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

SEC. 13, T.19N., R.8E., 3RD P.M.

NOTE:
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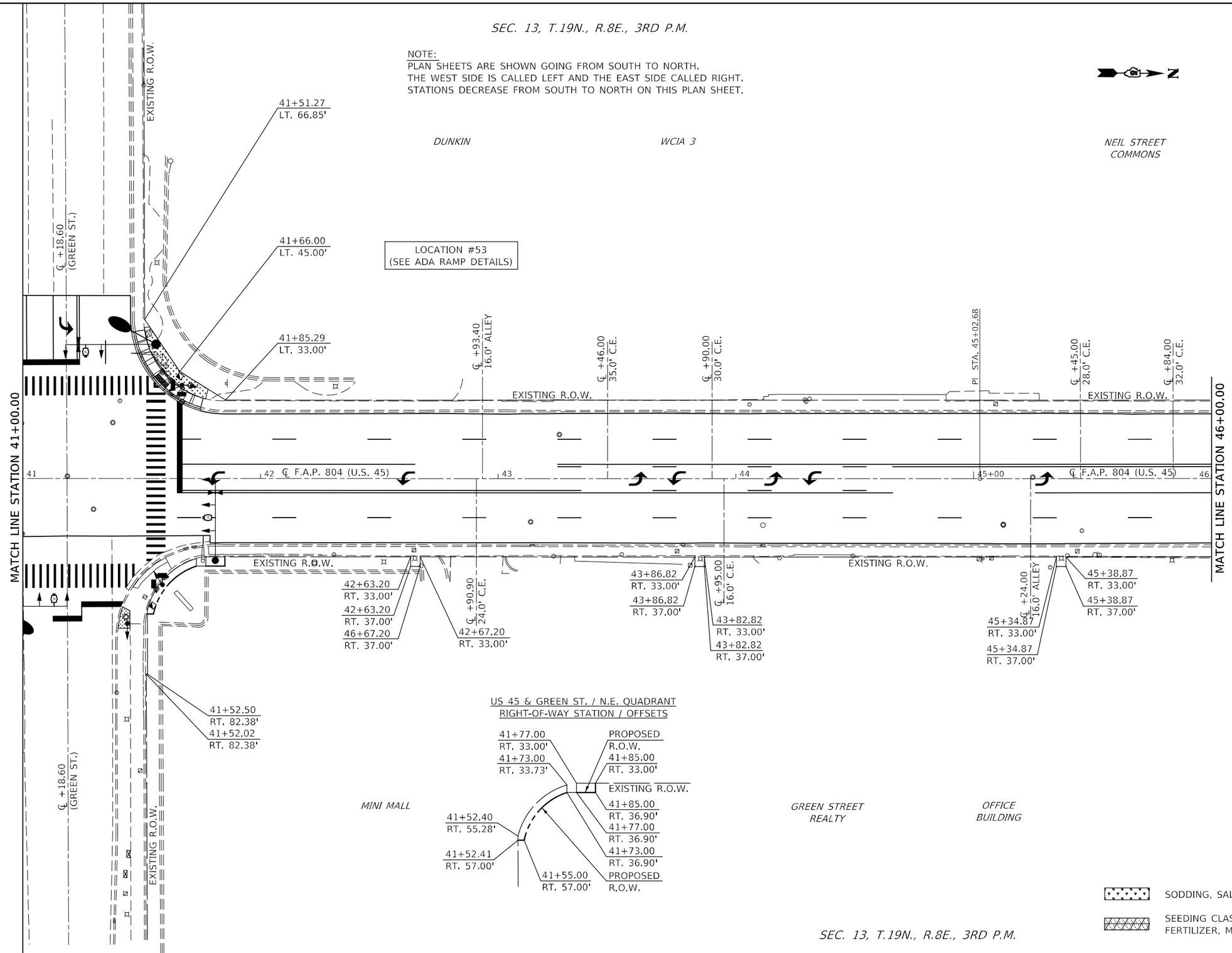
THE WEST SIDE IS CALLED LEFT AND THE EAST SIDE CALLED RIGHT.
STATIONS DECREASE FROM SOUTH TO NORTH ON THIS PLAN SHEET.



SEC. 13, T.19N., R.8E., 3RD P.M.

MODEL: SMODELNAME5
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USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 27 OF 28 SHEETS | STA. 41+00.00 TO STA. 46+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	224
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

SEC. 13, T.19N., R.8E., 3RD P.M.

NOTE:
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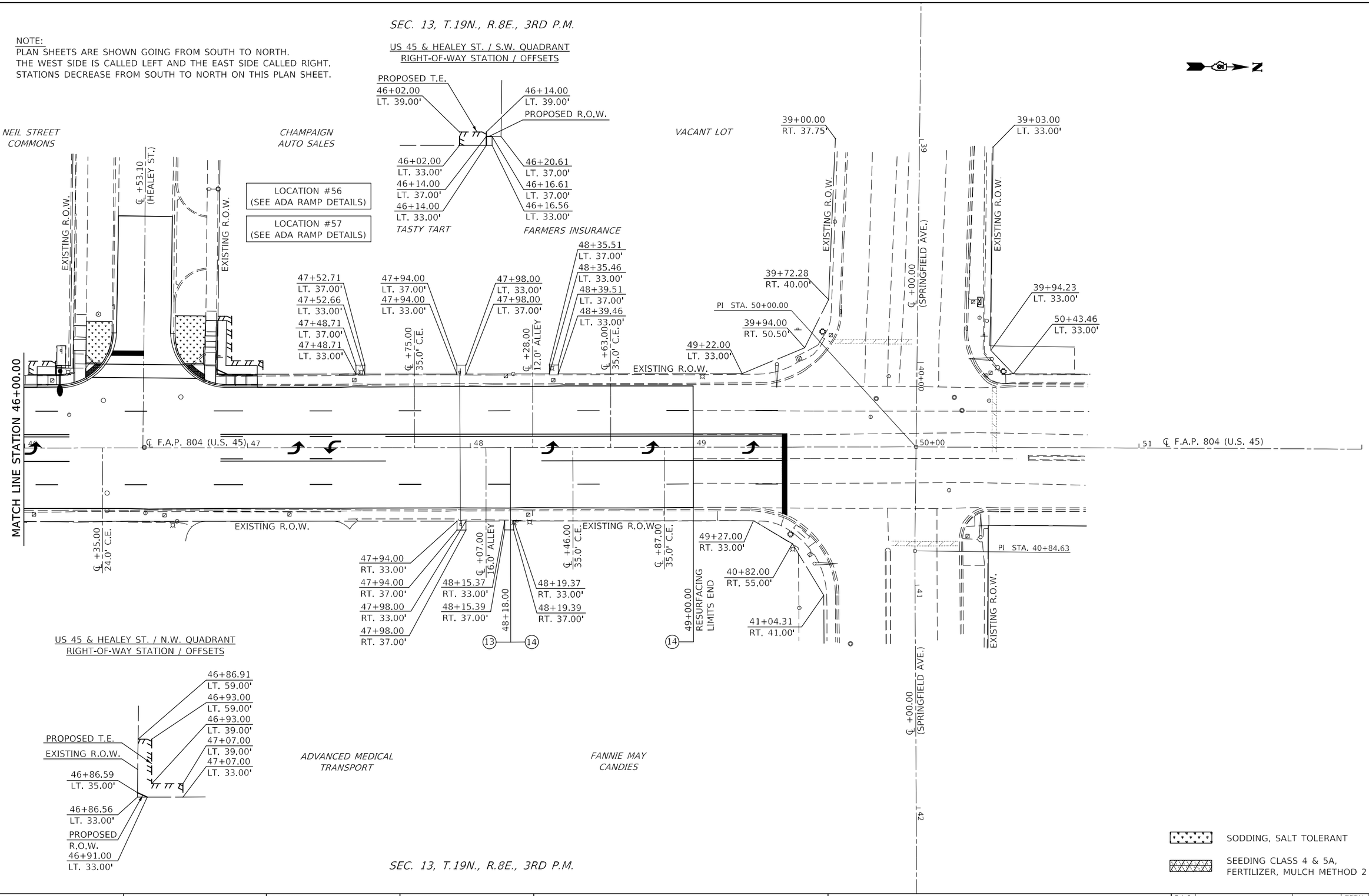
THE WEST SIDE IS CALLED LEFT AND THE EAST SIDE CALLED RIGHT.
STATIONS DECREASE FROM SOUTH TO NORTH ON THIS PLAN SHEET.



MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Districts 5\Project\D57099\CADData\CADsheets\D570991-Sht-Seeding.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SODDING & SEEDING PLAN SHEETS

SCALE: 1" = 20' | SHEET 28 OF 28 SHEETS | STA. 46+00.00 TO STA. 51+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	225
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	12	1
	ILLINOIS	CONTRACT NO. 70991		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
RIGHT OF WAY PLANS

F.A.P. ROUTE 804 (US 45)
SECTION 25RS–6
PROJECT R–95–011–21
RESURFACING, ADA & TRAFFIC SIGNAL IMPROVEMENTS
CHAMPAIGN COUNTY

FOR INDEX OF SHEETS

SHEET NO.	STA. TO STA.	DESCRIPTION
1		COVER
2	126 + 45.00 TO 120 + 65.00	PARCELS 51121002TE & 51121003
3	117 + 80.00 TO 111 + 75.00	PARCEL 51121004
4	72 + 65.00 TO 66 + 30.00	PARCELS 51121005 & TE & 51121023 & TE
5	59 + 00.00 TO 53 + 00.00	PARCEL 51121006
6	23 + 00.00 TO 17 + 00.00	PARCEL 51121009
7	17 + 55.00 TO 1 + 60.00	PARCEL 51121012
8	2 + 55.00 TO 8 + 20.00	PARCEL 51121013
9	8 + 45.00 TO 14 + 35.00	PARCELS 51121014 & 51121015TE
10	23 + 50.00 TO 39 + 75.00	PARCEL 51121016 & 51121017 & 51121018
11	38 + 90.00 TO 44 + 85.00	PARCELS 51121019TE & 51121020
12	44 + 45.00 TO 50 + 50.00	PARCELS 51121021 & TE & 51121022 & TE

SURVEYOR'S STATEMENT

I, STEVEN M. KEIL, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003119, DO HEREBY STATE TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE RIGHT OF WAY PLANS SHOWN HEREON IS A TRUE AND CORRECT REPRESENTATION OF THE PROPOSED RIGHT OF WAY AND EASEMENTS REQUIRED FOR IDOT CONTRACT NUMBER 70991.

PROFESSIONAL LAND SURVEYOR — STEVEN M. KEIL 035-003119 COLLINSVILLE, ILLINOIS — STATE OF ILLINOIS

9/25/2023

STEVEN M. KEIL — *DATE*
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003119
LICENSE EXPIRES: 11/30/2024
RESPONSIBLE FOR THE PREPARATION OF THE R.O.W. PLANS

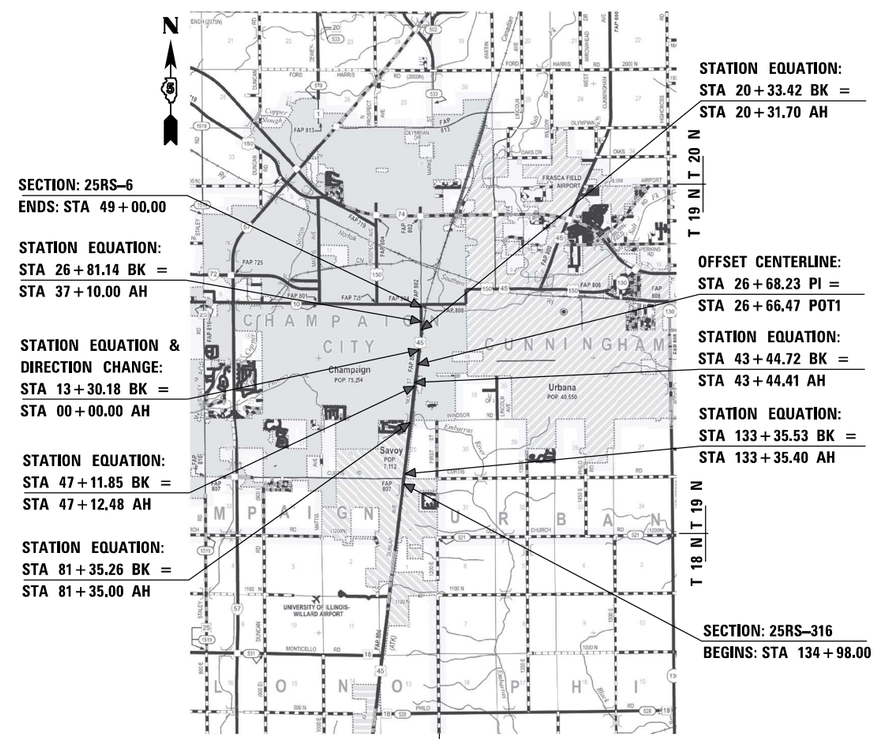
SURVEYOR'S STATEMENT

IN THE LOCATIONS WHERE PROPOSED RIGHT OF WAY AND EASEMENT ACQUISITIONS FOR IDOT CONTRACT NUMBER 70991 OCCUR, THE EXISTING RIGHT OF WAY FOR FAP ROUTE 804 (US 45) SHOWN HEREON WAS PROVIDED TO OATES ASSOCIATES BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT 5 PLATS AND PLANS CHIEF (DOUGLAS CARY) AND WAS USED FOR THE BASIS OF THE RIGHT OF WAY PLANS ASSOCIATED WITH THIS PROJECT.

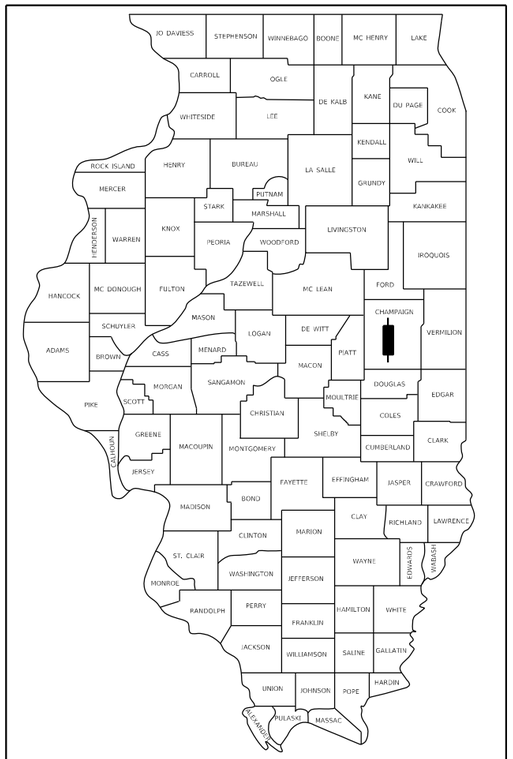
9/29/2023

DOUGLAS E. CARY — PROFESSIONAL LAND SURVEYOR NO 2918 — STATE OF ILLINOIS — ILLINOIS DEPARTMENT OF TRANSPORTATION

DOUGLAS E. CARY — *DATE*
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2918
LICENSE EXPIRES: 11/30/2024



APPROXIMATE SCALE 1" = 7,000'
GROSS LENGTH = 16,042.51 FT. = 3.038 MILES
NET LENGTH = 16,042.51 FT. = 3.038 MILES



LOCATION OF SECTION INDICATED THUS: –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED _____ 20 _____

_____
REGIONAL ENGINEER

_____ 20 _____

_____
ENGINEER OF DESIGN AND ENVIRONMENT

_____ 20 _____

_____
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

CONTRACT NO. 70991

51121002 TE

1325 N DUNLAP OSMER LLC, an Illinois limited liability company, as to an undivided 43.34% interest, 1325 N DUNLAP CARTER LLC, an Illinois limited liability company, as to an undivided 43.34% interest and 1325 N DUNLAP KOLLEY LLC, an Illinois limited liability company, as to an undivided 13.24% interest

Part of Lot 1802A of Lot 1802 and 1803 Replat, Arbour's Subdivision No. 18A Addn. to the Village of Savoy
Situated in Champaign County, Illinois

Part of 03-20-25-365-004
WD Doc. No. 2021R24637

TEMPORARY EASEMENT AREA REQUIRED = 105 SF +/-
EASEMENT PURPOSE: SIDEWALK RE-CONSTRUCTION

SEC. 25, T.19N., R.8E., 3RD P.M.

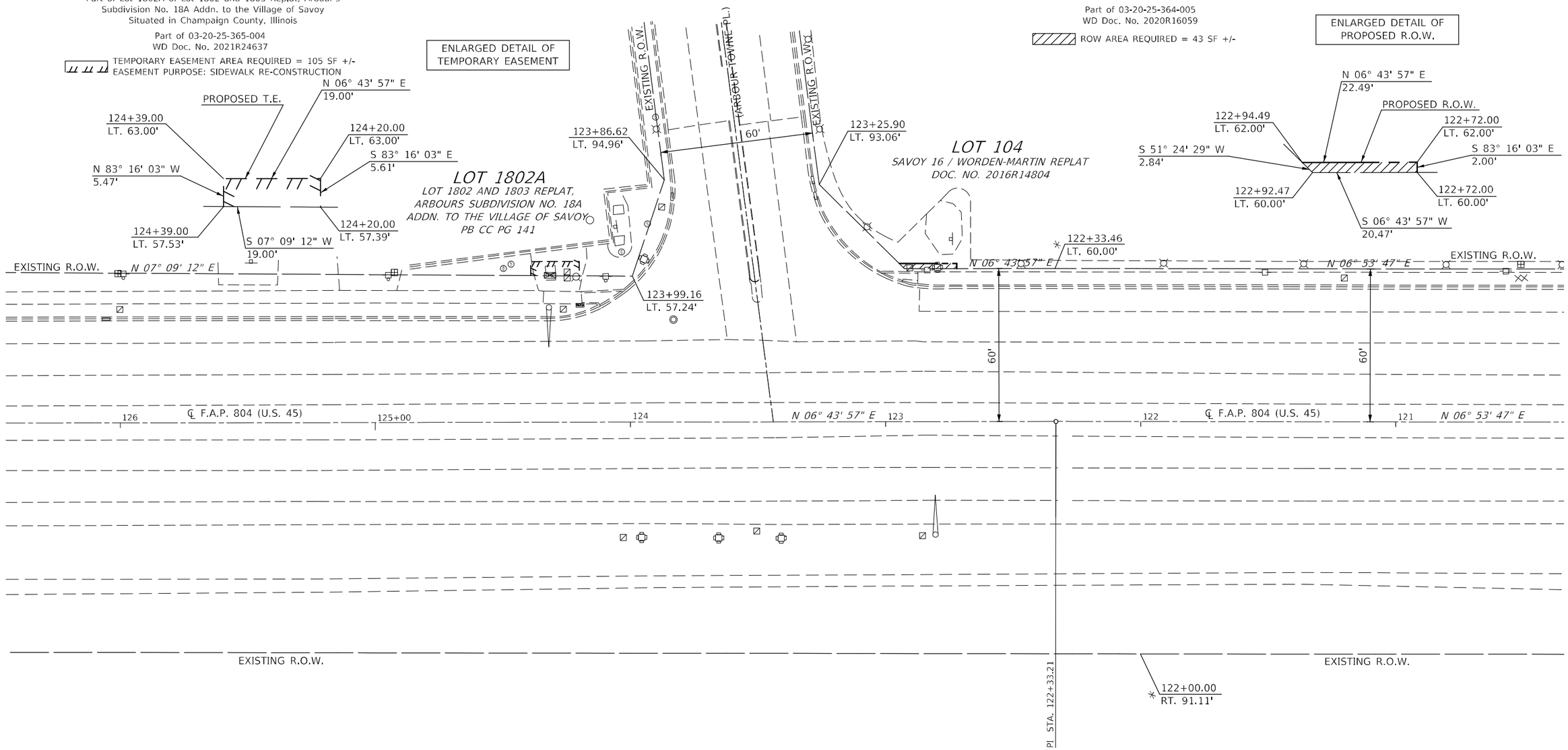
51121003

SERRA WORKS OF SOUTH PARK, LLC

Part of Lot 104 in the Savoy 16 / Worden-Martin Replat
Situated in Champaign County, Illinois

Part of 03-20-25-364-005
WD Doc. No. 2020R16059

ROW AREA REQUIRED = 43 SF +/-



* *INDICATES INFORMATION BASED ON PREVIOUS R.O.W. PLANS (NOT FIELD VERIFIED)*

NOTE:
BEARINGS BASED ON ILLINOIS STATE PLANE CO-ORDINATES, EAST ZONE, NAD 83 (2011 ADJ.)

SEC. 25, T.19N., R.8E., 3RD P.M.

MODEL: SMODELNAME5
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USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/18/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

SCALE: 1" = 20' | SHEET 2 OF 12 SHEETS | STA. 126+45.00 TO STA. 120+65.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	227
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

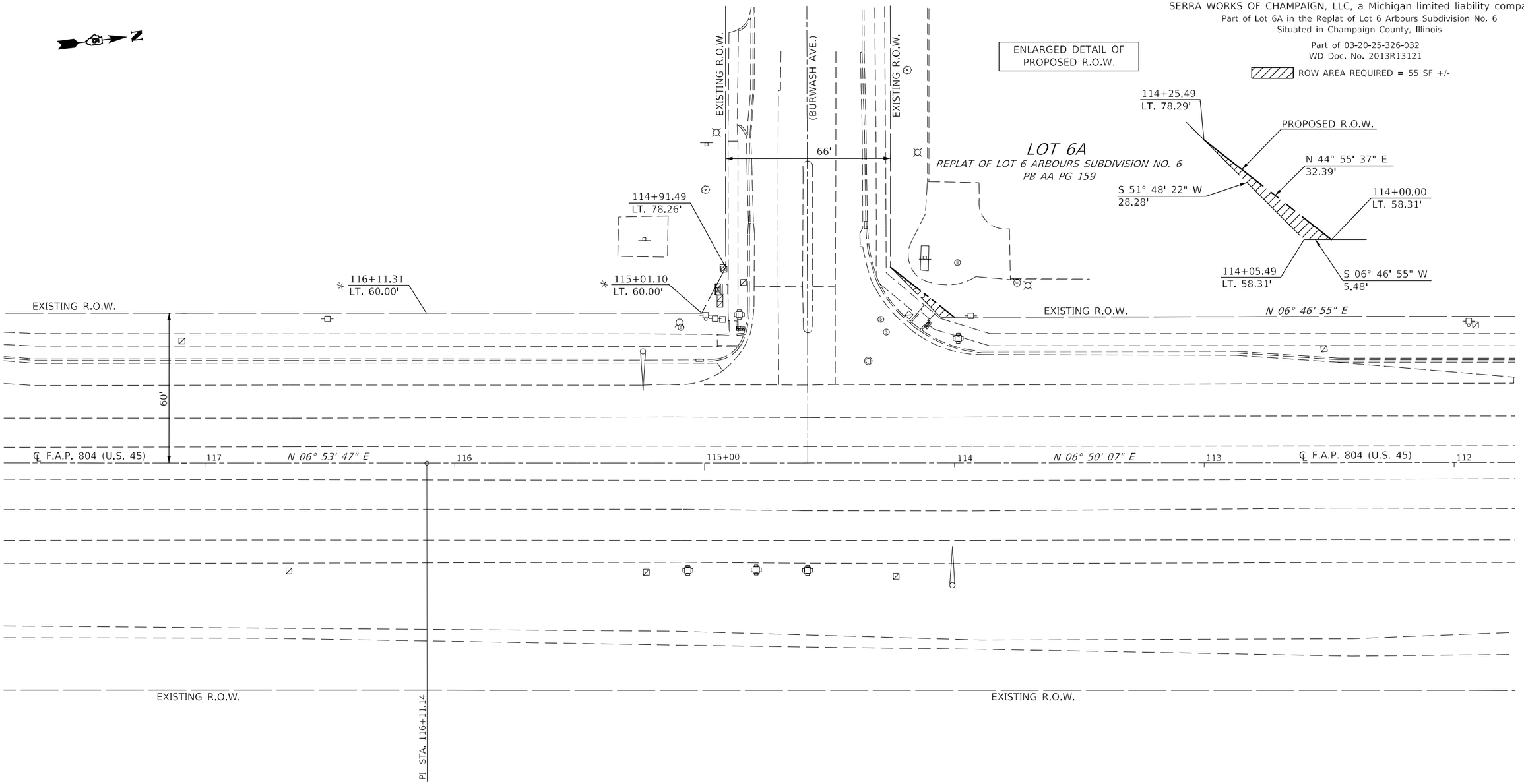
SEC. 25, T.19N., R.8E., 3RD P.M.

51121004

SERRA WORKS OF CHAMPAIGN, LLC, a Michigan limited liability company
Part of Lot 6A in the Replat of Lot 6 Arbours Subdivision No. 6
Situated in Champaign County, Illinois

Part of 03-20-25-326-032
WD Doc. No. 2013R13121

ROW AREA REQUIRED = 55 SF +/-



* INDICATES INFORMATION BASED ON PREVIOUS R.O.W. PLANS (NOT FIELD VERIFIED)

SEC. 25, T.19N., R.8E., 3RD P.M.

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USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/18/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

SCALE: 1" = 20' | SHEET 3 OF 12 SHEETS | STA. 117+80.00 TO STA. 111+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	228
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

51121005 & 51121005 TE

CHICAGO TITLE LAND TRUST COMPANY successor to
BUSEY BANK successor to BUSEY TRUST COMPANY
as Trustee under Trust Agreement dated
June 19, 1998 known as TRUST NO. 5491

Part of Lot 14 of Final Plat of Lot 14
of Par 3 Development
Situated in Champaign County, Illinois

Part of 45-20-24-378-003
DT Doc. No. 1998R22334

ROW AREA REQUIRED = 226 SF +/-

TEMPORARY EASEMENT AREA REQUIRED = 94 SF +/-
EASEMENT PURPOSE: SIDEWALK RE-CONSTRUCTION

ENLARGED DETAIL OF PROPOSED R.O.W. & TEMPORARY EASEMENT

SEC. 24, T.19N., R.8E., 3RD P.M.

51121023 & 51121023 TE

PAR 3 DEVELOPMENT, LLC, an Illinois limited liability company

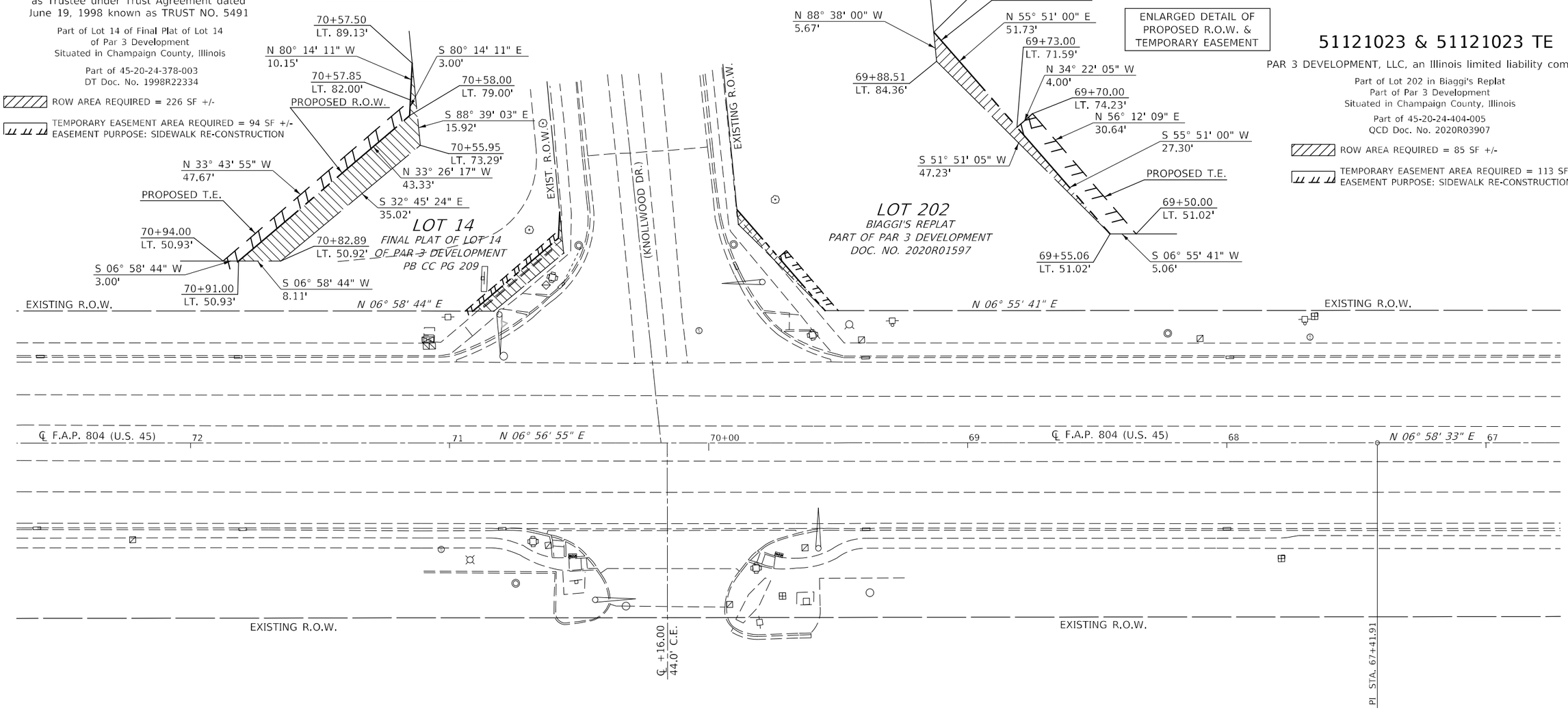
Part of Lot 202 in Biaggi's Replat
Part of Par 3 Development
Situated in Champaign County, Illinois

Part of 45-20-24-404-005
QCD Doc. No. 2020R03907

ROW AREA REQUIRED = 85 SF +/-

TEMPORARY EASEMENT AREA REQUIRED = 113 SF +/-
EASEMENT PURPOSE: SIDEWALK RE-CONSTRUCTION

ENLARGED DETAIL OF PROPOSED R.O.W. & TEMPORARY EASEMENT



* INDICATES INFORMATION BASED ON PREVIOUS R.O.W. PLANS (NOT FIELD VERIFIED)

SEC. 24, T.19N., R.8E., 3RD P.M.

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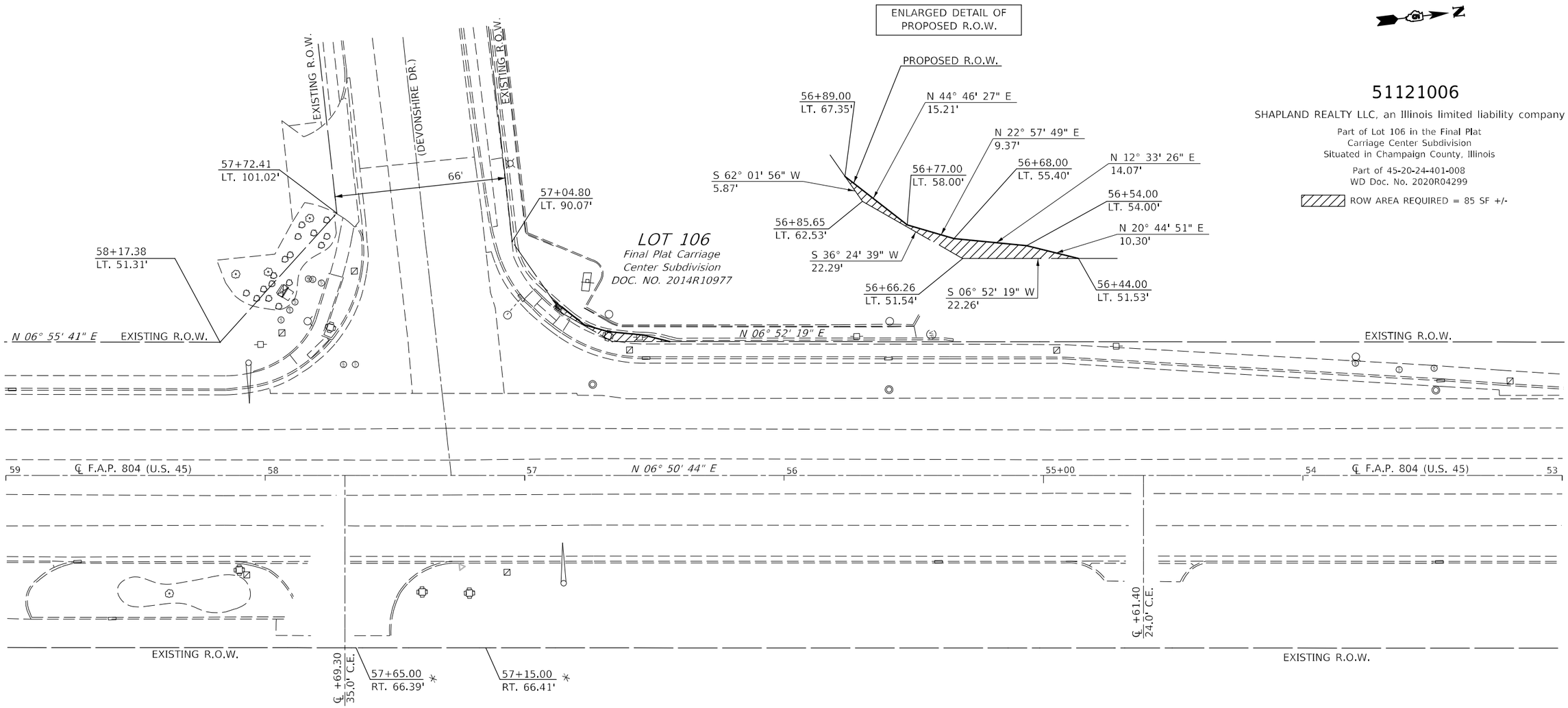
USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIGHT OF WAY PLANS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -			804	25RS-6	CHAMPAIGN	306	229
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 70991		
PLOT DATE = 3/18/2024	DATE -	REVISED -		SCALE: 1" = 20' SHEET 4 OF 12 SHEETS STA. 72+65.00 TO STA. 66+30.00			ILLINOIS FED. AID PROJECT		

SEC. 24, T.19N., R.8E., 3RD P.M.



51121006

SHAPLAND REALTY LLC, an Illinois limited liability company

Part of Lot 106 in the Final Plat
Carriage Center Subdivision
Situated in Champaign County, Illinois

Part of 45-20-24-401-008
WD Doc. No. 2020R04299

ROW AREA REQUIRED = 85 SF +/-

* INDICATES INFORMATION BASED ON PREVIOUS R.O.W. PLANS (NOT FIELD VERIFIED)

SEC. 24, T.19N., R.8E., 3RD P.M.

MODEL: $MODEL NAMES
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	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/18/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

SCALE: 1" = 20' | SHEET 5 OF 12 SHEETS | STA. 59+00.00 TO STA. 53+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	230
		CONTRACT NO. 70991		
		ILLINOIS FED. AID PROJECT		

51121009

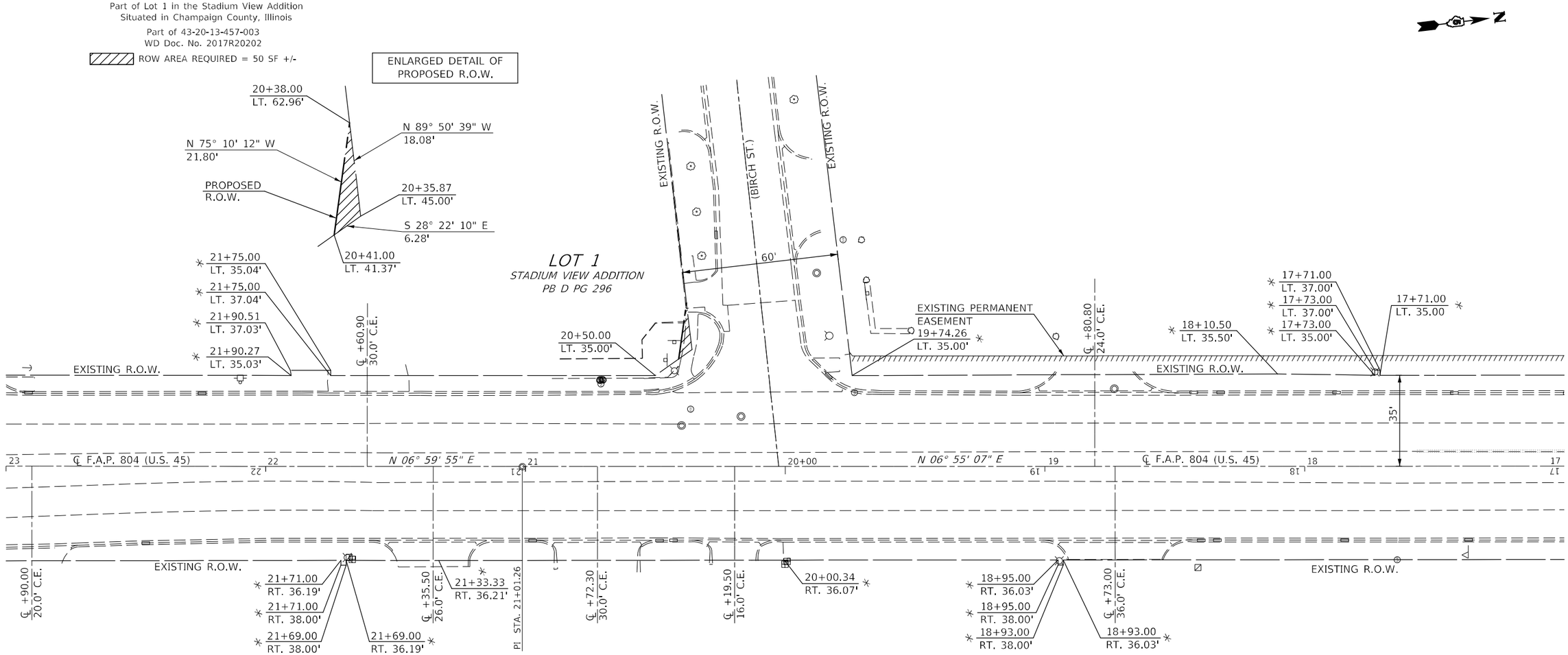
BEAR PROPERTIES LLC, an Illinois Limited Liability Company

Part of Lot 1 in the Stadium View Addition
Situated in Champaign County, Illinois

Part of 43-20-13-457-003
WD Doc. No. 2017R20202

ROW AREA REQUIRED = 50 SF +/-

SEC. 13, T.19N., R.8E., 3RD P.M.



* INDICATES INFORMATION BASED ON PREVIOUS R.O.W. PLANS (NOT FIELD VERIFIED)

SEC. 13, T.19N., R.8E., 3RD P.M.

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USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/18/2024	DATE -	REVISED -	

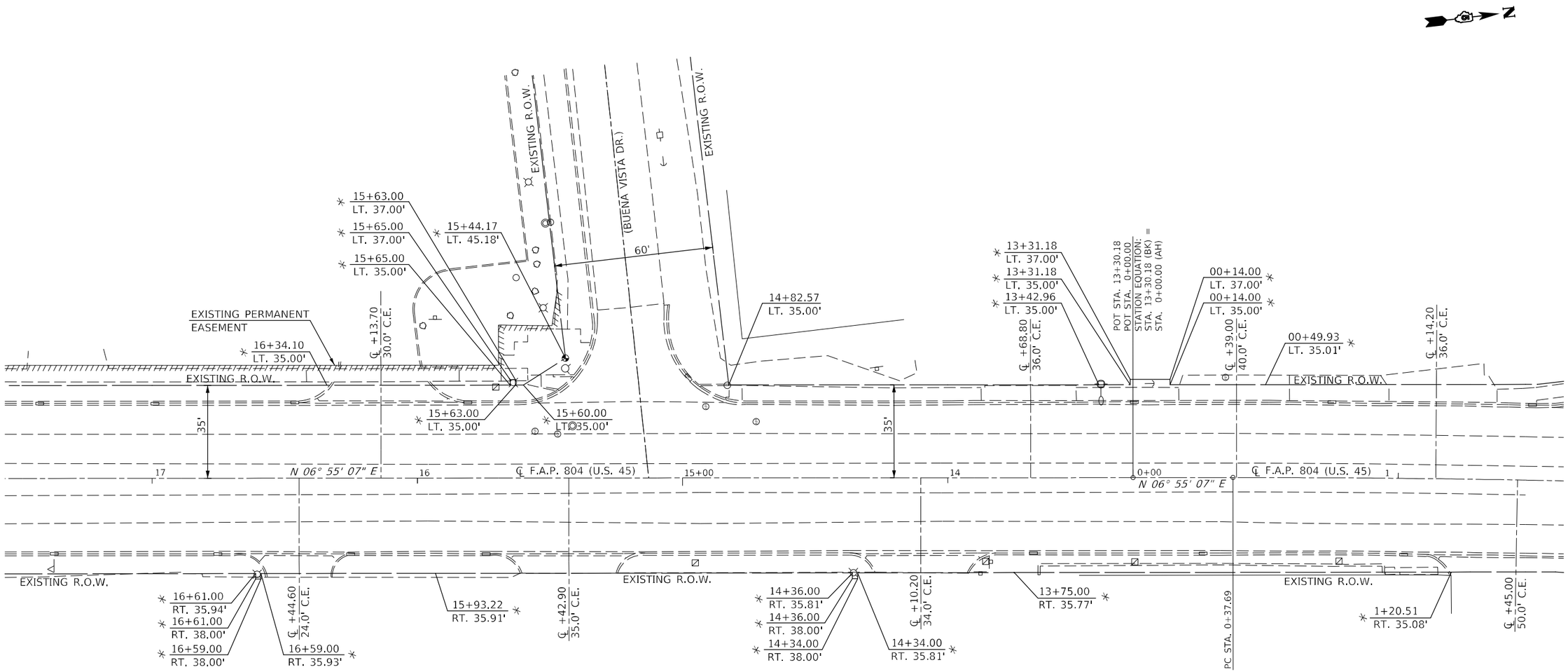
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

SCALE: 1" = 20' | SHEET 6 OF 12 SHEETS | STA. 23+00.00 TO STA. 17+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	231
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

SEC. 13, T.19N., R.8E., 3RD P.M.



* INDICATES INFORMATION BASED ON PREVIOUS R.O.W. PLANS (NOT FIELD VERIFIED)

SEC. 13, T.19N., R.8E., 3RD P.M.

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PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 4/9/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

SCALE: 1" = 20' | SHEET 7 OF 12 SHEETS | STA. 17+55.00 TO STA. 1+60.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	232
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

SEC. 13, T.19N., R.8E., 3RD P.M.

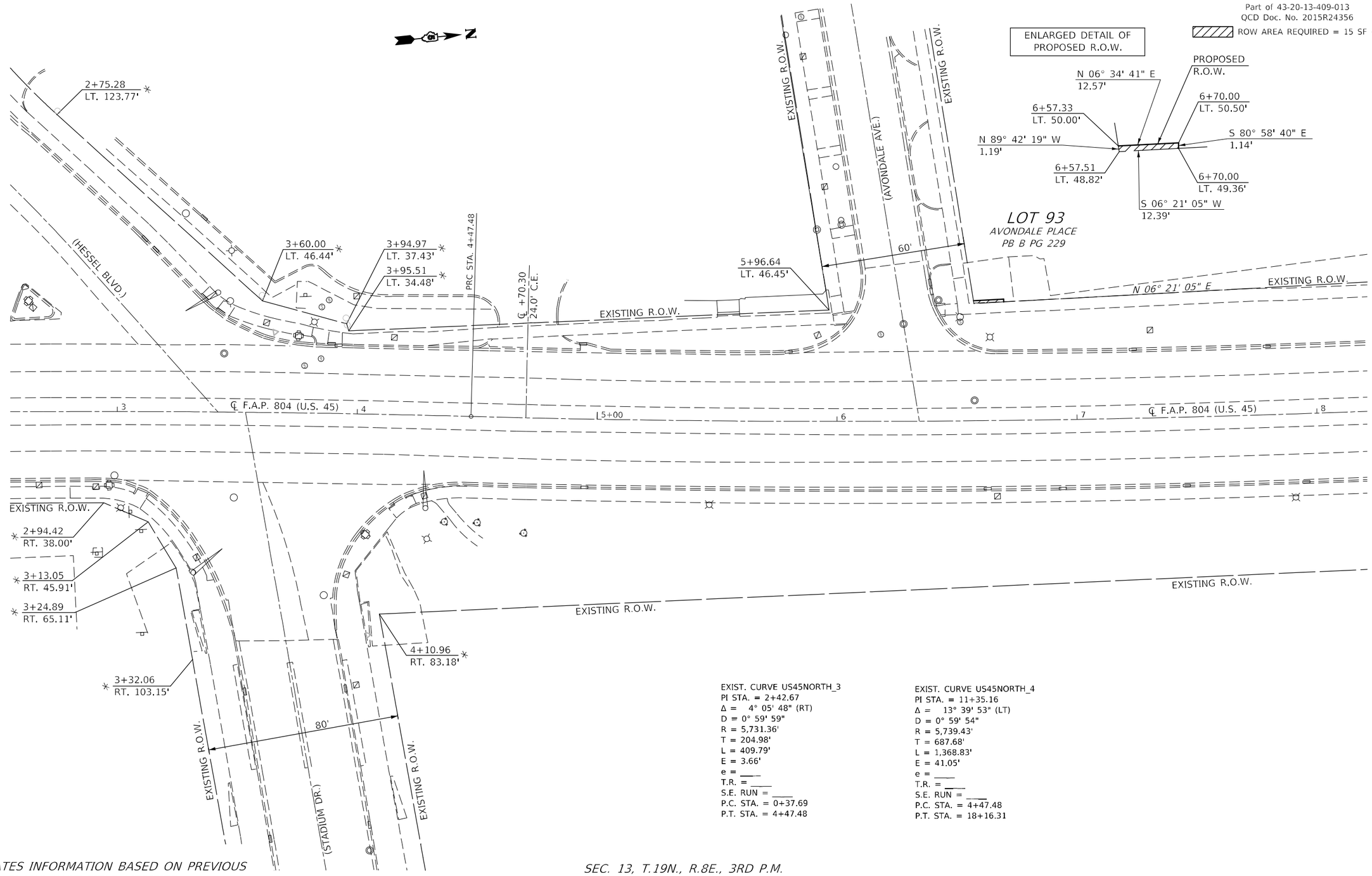
51121013

MONTI ENTERPRISE, LLC, an Illinois limited liability company

Part of Lot 93 of Avondale Place
Situated in Champaign County, Illinois

Part of 43-20-13-409-013
QCD Doc. No. 2015R24356

ROW AREA REQUIRED = 15 SF +/-



EXIST. CURVE US45NORTH_3
PI STA. = 2+42.67
Δ = 4° 05' 48" (RT)
D = 0° 59' 59"
R = 5,731.36'
T = 204.98'
L = 409.79'
E = 3.66'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 0+37.69
P.T. STA. = 4+47.48

EXIST. CURVE US45NORTH_4
PI STA. = 11+35.16
Δ = 13° 39' 53" (LT)
D = 0° 59' 54"
R = 5,739.43'
T = 687.68'
L = 1,368.83'
E = 41.05'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 4+47.48
P.T. STA. = 18+16.31

* INDICATES INFORMATION BASED ON PREVIOUS R.O.W. PLANS (NOT FIELD VERIFIED)

SEC. 13, T.19N., R.8E., 3RD P.M.

MODEL: $MODELNAME
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PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/18/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

SCALE: 1" = 20' | SHEET 8 OF 12 SHEETS | STA. 2+55.00 TO STA. 8+20.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	233

CONTRACT NO. 70991

ILLINOIS | FED. AID PROJECT

SEC. 13, T.19N., R.8E., 3RD P.M.

51121014

MARINE BANK

Part of Lot 7 in Block 2 of T.D. Wilson's Subdivision
Situated in Champaign County, Illinois

Part of 43-20-13-406-013
WD Doc. No. 2011R24680

ROW AREA REQUIRED = 13 SF +/-

ENLARGED DETAIL OF PROPOSED R.O.W.

ENLARGED DETAIL OF TEMPORARY EASEMENT

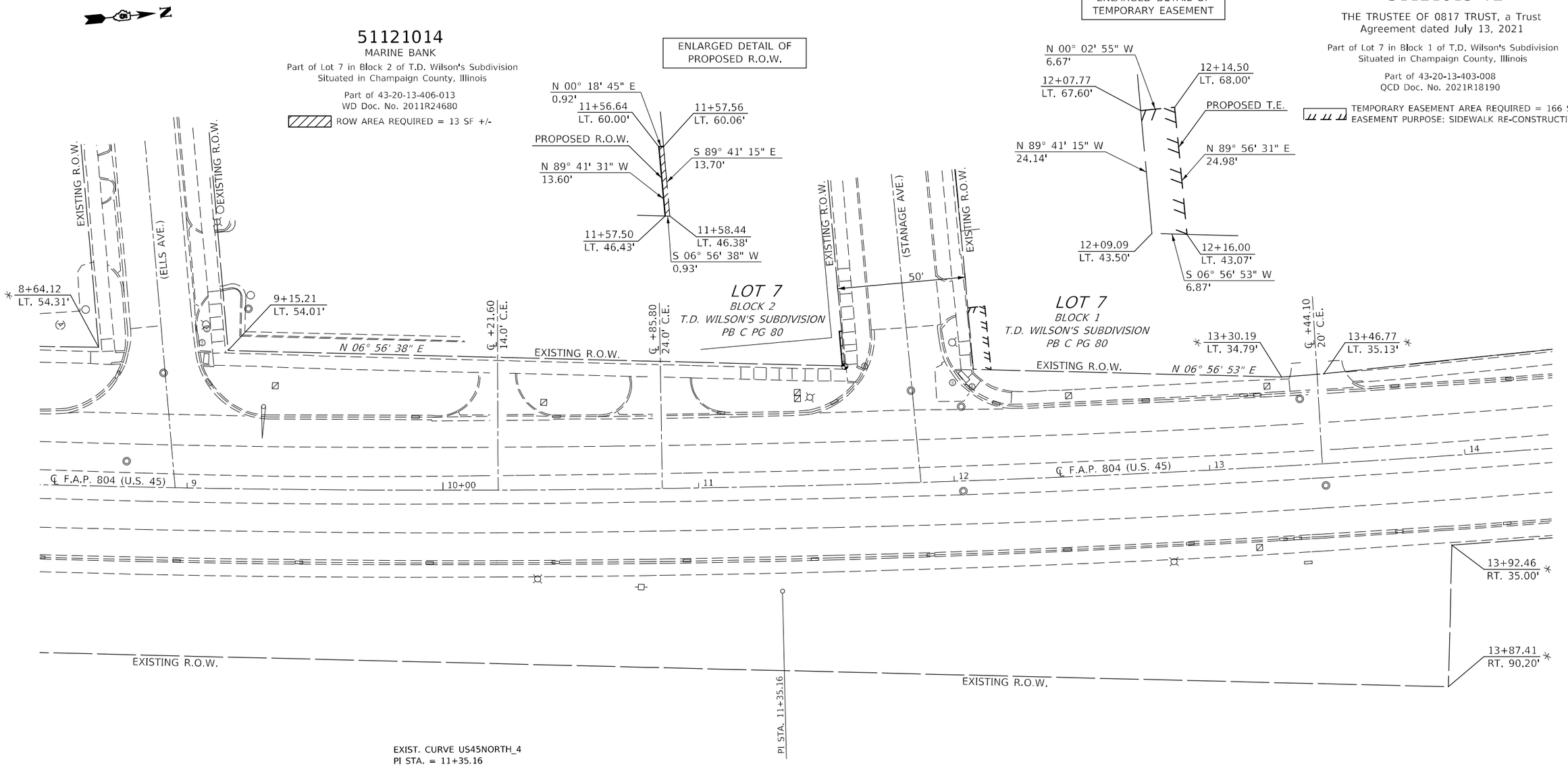
51121015 TE

THE TRUSTEE OF 0817 TRUST, a Trust Agreement dated July 13, 2021

Part of Lot 7 in Block 1 of T.D. Wilson's Subdivision
Situated in Champaign County, Illinois

Part of 43-20-13-403-008
QCD Doc. No. 2021R18190

TEMPORARY EASEMENT AREA REQUIRED = 166 SF +/-
EASEMENT PURPOSE: SIDEWALK RE-CONSTRUCTION



EXIST. CURVE US45NORTH_4
PI STA. = 11+35.16
Δ = 13° 39' 53" (LT)
D = 0° 59' 54"
R = 5,739.43'
T = 687.68'
L = 1,368.83'
E = 41.05'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 4+47.48
P.T. STA. = 18+16.31

* INDICATES INFORMATION BASED ON PREVIOUS R.O.W. PLANS (NOT FIELD VERIFIED)

SEC. 13, T.19N., R.8E., 3RD P.M.

MODEL: $MODEL$NAME$
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PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/18/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

SCALE: 1" = 20' | SHEET 9 OF 12 SHEETS | STA. 8+45.00 TO STA. 14+35.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	234

CONTRACT NO. 70991

ILLINOIS | FED. AID PROJECT

SEC. 13, T.19N., R.8E., 3RD P.M.

ENLARGED DETAIL OF PROPOSED R.O.W.

N 41° 07' 19" E
6.02'
PROPOSED R.O.W.
26+76.50
LT. 37.00'
N 89° 50' 19" W
4.00'
26+81.00
LT. 33.00'
26+76.45
LT. 33.00'
S 00° 31' 51" E
4.55'

51121018

LEO D. HERMES, JOHN P. HERMES, and WILLIE MAE ENTERPRISES LLC, an Illinois Limited Liability Company, each as to an undivided 1/3 interest as Tenants in Common

Part of Lot 5 in Block 8 of John H. Thomas' Addition to Champaign
a.k.a. Lot 1 of M.L. Dunlap's Addition to Champaign
Situated in Champaign County, Illinois

Part of 43-20-13-209-007
WD Doc. No. 2020R16886

ROW AREA REQUIRED = 9 SF +/-

LOT 5
BLOCK 8
JOHN H. THOMAS' ADDITION TO CHAMPAIGN
PB 14 PG 358

ALSO KNOWN AS

LOT 1
M.L. DUNLAP'S ADDITION TO CHAMPAIGN
PB U PG 218

EXISTING R.O.W.
50'
(JOHN ST.)
26+26.70
LT. 54.94'
26+00.00
LT. 33.01'
23+69.00
LT. 35.00'
23+69.00
LT. 33.00'
23+71.00
LT. 35.00'
23+71.00
LT. 33.00'
24+84.00
LT. 35.00'
24+84.00
LT. 33.00'
24+86.00
LT. 35.00'
24+86.00
LT. 33.00'
℄ +61.00
28.0' C.E.
38+08.58
LT. 37.00'
38+08.58
LT. 33.22'
38+12.58
LT. 37.00'
38+12.58
LT. 33.22'
37+77.84
LT. 33.06'
℄ +92.00
20.0' C.E.
℄ +24.00
20.0' C.E.
39+68.80
LT. 37.00'
39+64.80
LT. 37.00'
39+64.80
LT. 33.31'
39+68.80
LT. 33.31'
N 00° 31' 51" W
33'
24
N 00° 29' 13" W
25+00
℄ F.A.P. 804 (U.S. 45)
26
POT1 STA. 37+10.00
STATION EQUATION:
STA. 26+81.14 (BK) =
STA. 37+10.00 (AH)
38
N 00° 29' 13" W
39
℄ F.A.P. 804 (U.S. 45)
37+86.53
RT. 32.94'
℄ +11.00
24.0' C.E.
N 00° 28' 12" W
N 00° 31' 55" W
SE 1/4, NE 1/4
SECT. 13, T19N, R8E
E 1/2, NE 1/4
SECT. 13, T19N, R8E
58'
38+03.68
RT. 32.96'
38+03.68
RT. 37.00'
38+07.68
RT. 37.00'
38+07.68
RT. 32.96'
℄ +33.00
24.0' C.E.

51121016

IYK REALTY CORP., a New York Corporation

Part of the Southeast 1/4 of the Northeast 1/4 of Section 13,
Township 19 North, Range 8 East of the Third Principal Meridian
Situated in Champaign County, Illinois

Part of 43-20-13-276-001
WD Doc. No. 2015R21565

ROW AREA REQUIRED = 103 SF +/-

N 00° 28' 12" W
25.70'
26+00.00
RT. 32.98'
26+25.70
RT. 32.99'
S 89° 30' 47" W
4.02'
S 89° 50' 19" E
4.01'
26+00.00
RT. 37.00'
26+25.66
RT. 37.00'
PROPOSED R.O.W.
S 00° 29' 13" E
25.66'

ENLARGED DETAIL OF PROPOSED R.O.W.

51121017

TEPPER ENTERPRISES, INC., f/k/a TEPPER ELECTRIC SUPPLY CO., a Delaware corporation

Part of the East Half of the Northeast Quarter of Section 13,
Township 19 North, Range 8 East of the Third Principal Meridian
Situated in Champaign County, Illinois

Part of 43-20-13-227-005
WD Doc. No. 1978R16972

ROW AREA REQUIRED = 35 SF +/-

N 00° 31' 55" W
17.43'
37+12.57
RT. 33.00'
37+30.00
RT. 32.99'
N 89° 50' 19" W
2.00'
N 89° 30' 47" E
2.01'
37+12.55
RT. 35.00'
37+30.00
RT. 35.00'
S 00° 29' 13" E
17.45'
PROPOSED R.O.W.

ENLARGED DETAIL OF PROPOSED R.O.W.

* *INDICATES INFORMATION BASED ON PREVIOUS R.O.W. PLANS (NOT FIELD VERIFIED)*

SEC. 13, T.19N., R.8E., 3RD P.M.

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USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/18/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

SCALE: 1" = 20' | SHEET 10 OF 12 SHEETS | STA. 23+50.00 TO STA. 39+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	235
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

51121019 TE

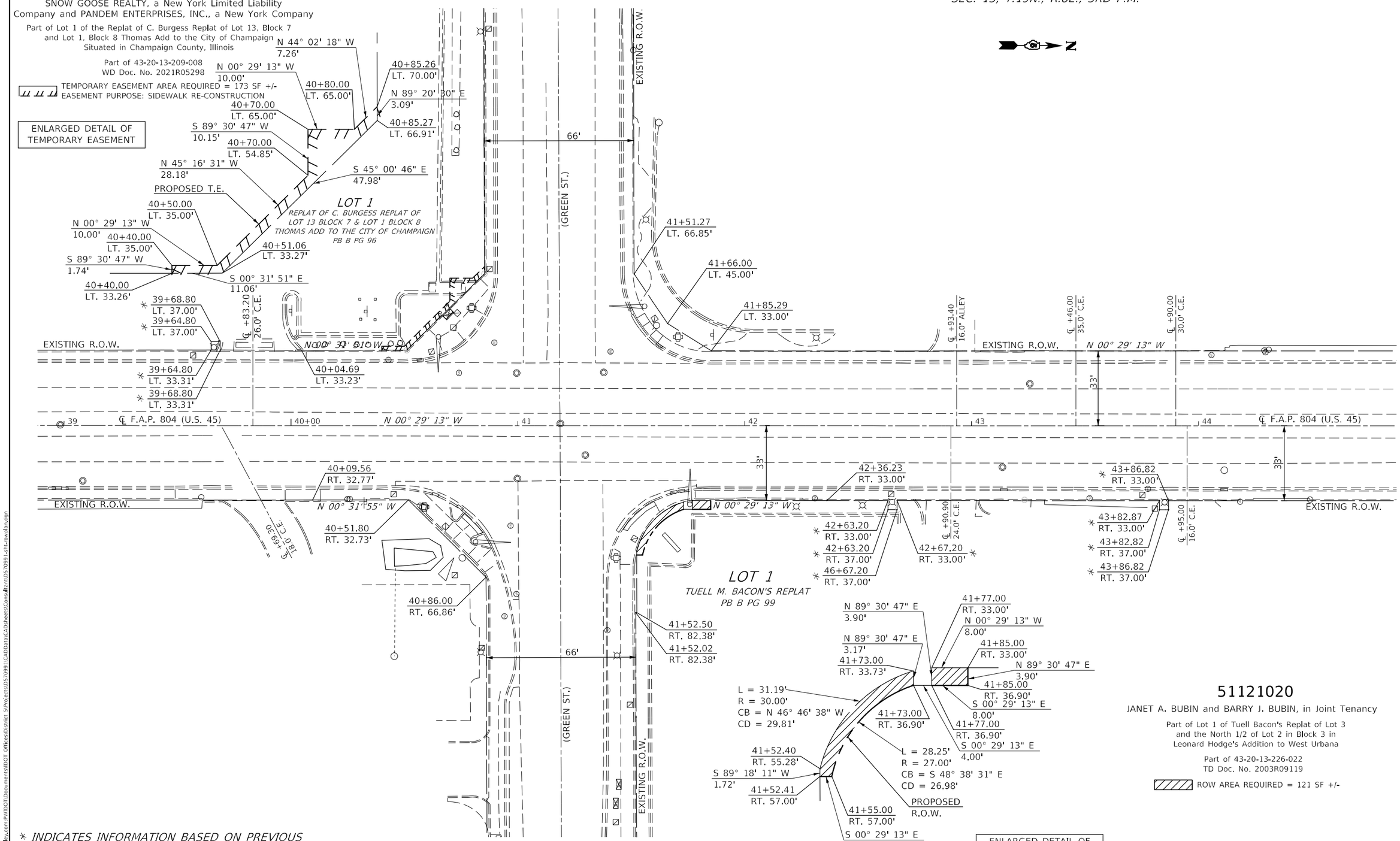
SNOW GOOSE REALTY, a New York Limited Liability Company and PANDEM ENTERPRISES, INC., a New York Company

Part of Lot 1 of the Replat of C. Burgess Replat of Lot 13, Block 7 and Lot 1, Block 8 Thomas Add to the City of Champaign
Situated in Champaign County, Illinois

Part of 43-20-13-209-008
WD Doc. No. 2021R05298

TEMPORARY EASEMENT AREA REQUIRED = 173 SF +/-
EASEMENT PURPOSE: SIDEWALK RE-CONSTRUCTION

SEC. 13, T.19N., R.8E., 3RD P.M.



51121020

JANET A. BUBIN and BARRY J. BUBIN, in Joint Tenancy

Part of Lot 1 of Tuell Bacon's Replat of Lot 3 and the North 1/2 of Lot 2 in Block 3 in Leonard Hodge's Addition to West Urbana

Part of 43-20-13-226-022
TD Doc. No. 2003R09119

ROW AREA REQUIRED = 121 SF +/-

* INDICATES INFORMATION BASED ON PREVIOUS R.O.W. PLANS (NOT FIELD VERIFIED)

SEC. 13, T.19N., R.8E., 3RD P.M.

MODEL: SMODEL NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57099\CADData\CADsheets\Consultant\D57099-sht-rowplan.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/18/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

SCALE: 1" = 20' | SHEET 11 OF 12 SHEETS | STA. 38+90.00 TO STA. 44+85.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	236
		CONTRACT NO. 70991		
		ILLINOIS FED. AID PROJECT		

51121021 & 51121021 TE

CHICAGO TITLE LAND TRUST COMPANY as Successor Trustee under Trust Agreement dated August 27, 1971 known as Trust No. 030-861-009

Part of Lot 2 in Block 6 of J.H. Thomas Addition to Champaign Situated in Champaign County, Illinois

Part of 43-20-13-206-013
WD Doc. No. 1995R26649

ROW AREA REQUIRED = 10 SF +/-

TEMPORARY EASEMENT AREA REQUIRED = 72 SF +/-
EASEMENT PURPOSE: SIDEWALK RE-CONSTRUCTION

ENLARGED DETAIL OF PROPOSED R.O.W. & TEMPORARY EASEMENT

SEC. 13, T.19N., R.8E., 3RD P.M.

51121022 & 51121022 TE

HARPER RENTAL PROPERTIES, LLC, an Illinois Limited Liability Company

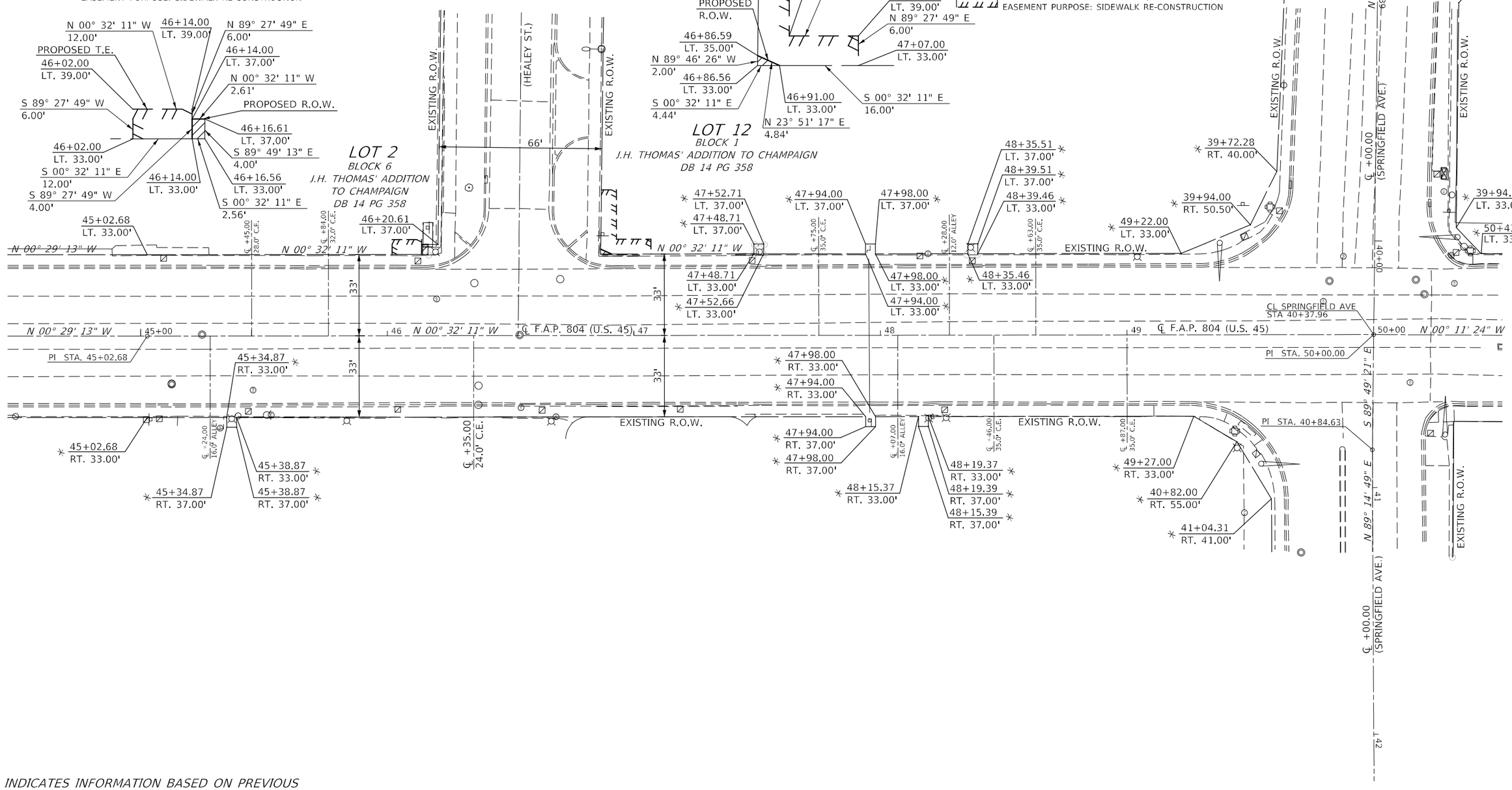
Part of Lot 12 in Block 1 of J.H. Thomas Addition to Champaign Situated in Champaign County, Illinois

Part of 43-20-13-203-011
WD Doc. No. 2017R11089

ROW AREA REQUIRED = 4 SF +/-

TEMPORARY EASEMENT AREA REQUIRED = 242 SF +/-
EASEMENT PURPOSE: SIDEWALK RE-CONSTRUCTION

ENLARGED DETAIL OF PROPOSED R.O.W. & TEMPORARY EASEMENT



* *INDICATES INFORMATION BASED ON PREVIOUS R.O.W. PLANS (NOT FIELD VERIFIED)*

SEC. 13, T.19N., R.8E., 3RD P.M.

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/18/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

SCALE: 1" = 20' | SHEET 12 OF 12 SHEETS | STA. 44+45.00 TO STA. 50+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	237

CONTRACT NO. 70991

ILLINOIS | FED. AID PROJECT

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TRAFFIC SIGNAL MODERNIZATION

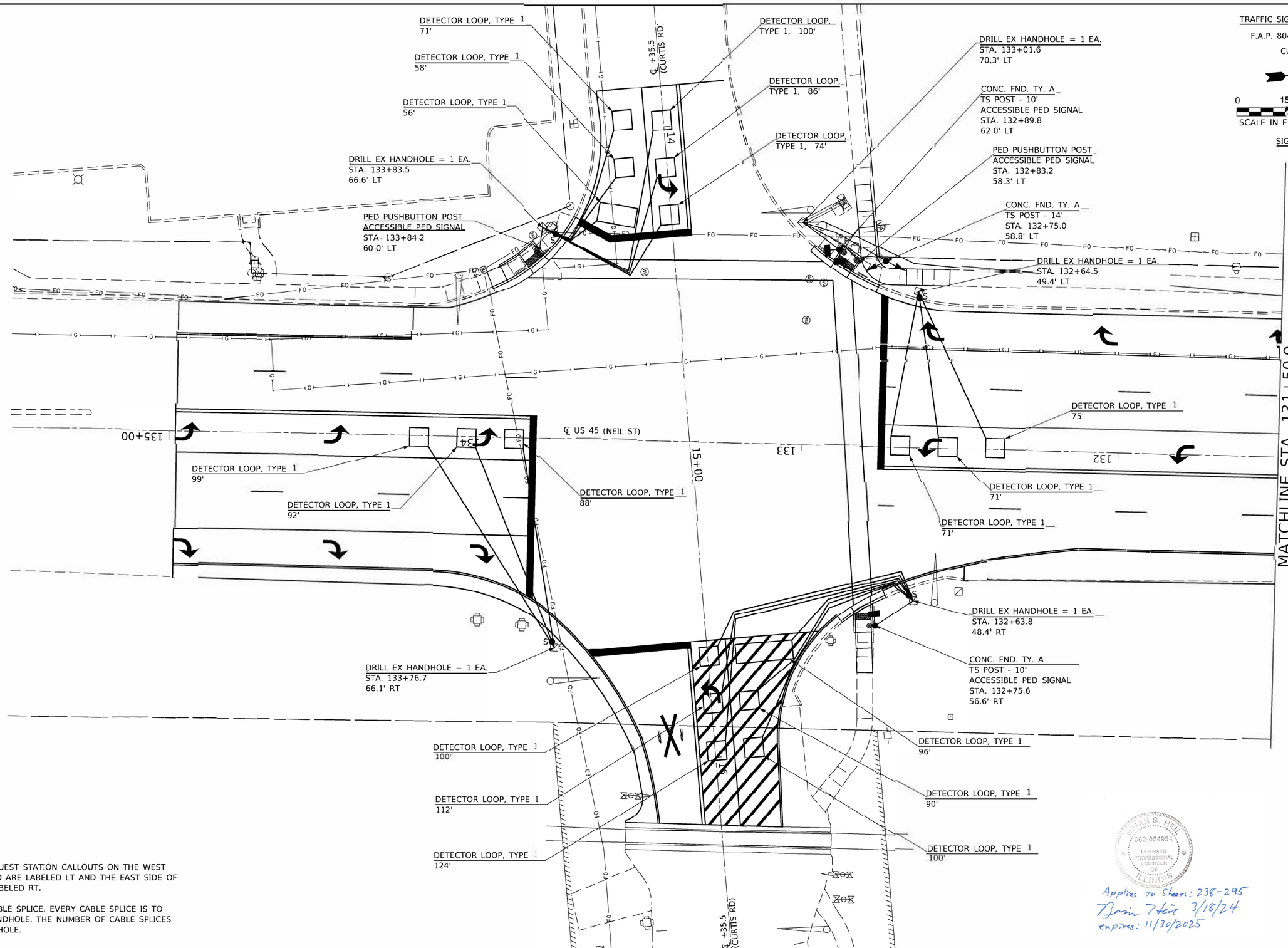
F.A.P. 804 U.S. 45 (NEIL ST)

CURTIS ROAD

0 15 30 45

SCALE IN FEET

SIGNAL LAYOUT



NOTES

1. PER DISTRICT REQUEST STATION CALLOUTS ON THE WEST SIDE OF THE ROAD ARE LABELED LT AND THE EAST SIDE OF THE ROAD ARE LABELED RT.

2. S INDICATES A CABLE SPLICE. EVERY CABLE SPLICE IS TO BE DONE IN A HANDHOLE. THE NUMBER OF CABLE SPLICES VARIES PER HANDHOLE.

BRIAN S. HEIN
062-054934
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

Applies to Sheet: 238-295
Brian Hein 3/18/24
expires: 11/30/2025

MODEL: $MODELNAME$
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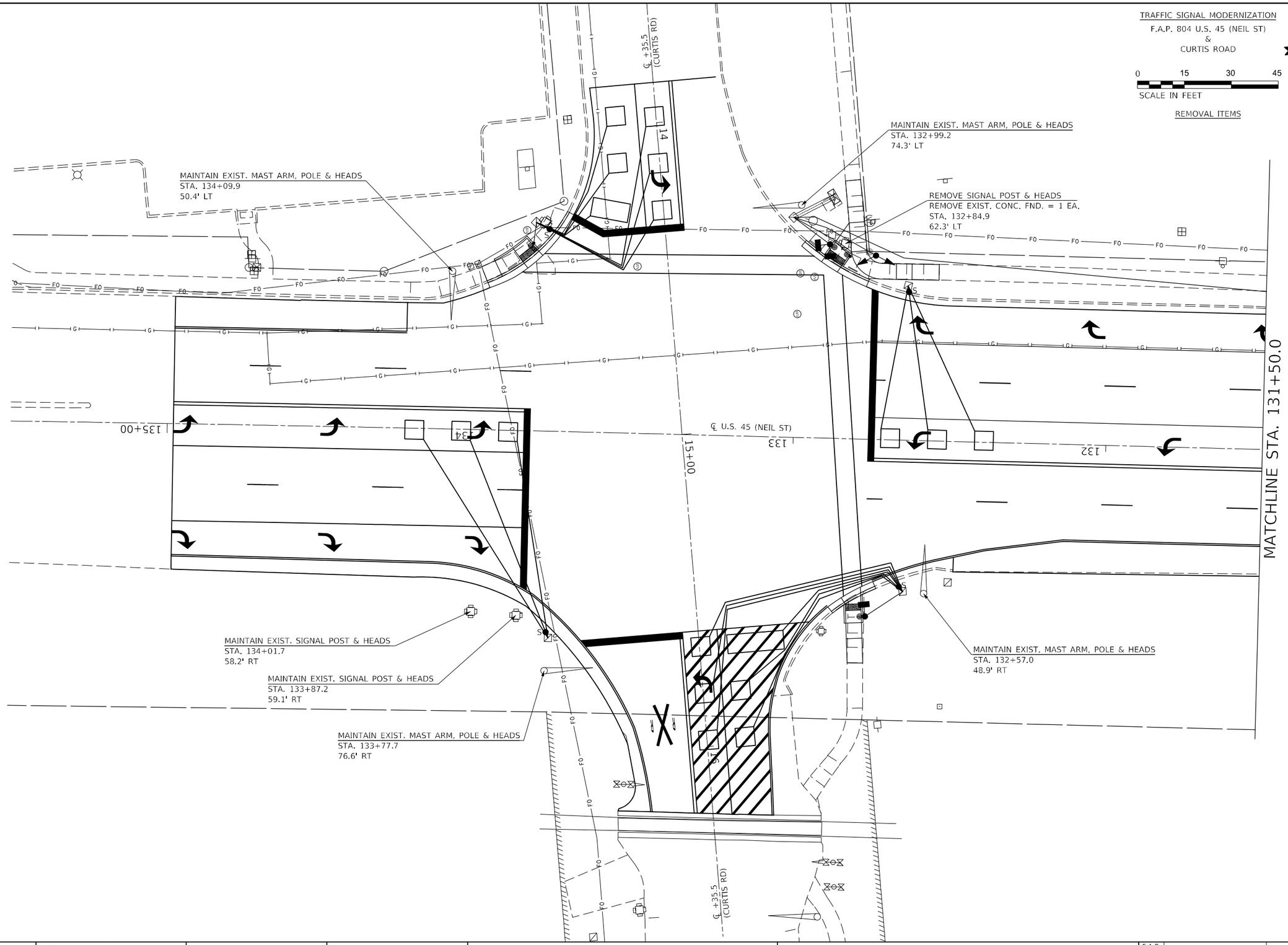
OATES ASSOCIATES www.oatesassociates.com	USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURTIS ROAD SIGNAL LAYOUT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			804	25RS-6	CHAMPAIGN	306 / 238
	PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 70991	
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	PLOT DATE = 3/19/2024	DATE -	REVISED -		SCALE: 1" = 15' / SHEET 1 OF 6 SHEETS / STA. TO STA.			ILLINOIS	FED. AID PROJECT

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
CURTIS ROAD

0 15 30 45
SCALE IN FEET

REMOVAL ITEMS



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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURTIS ROAD
REMOVAL ITEMS

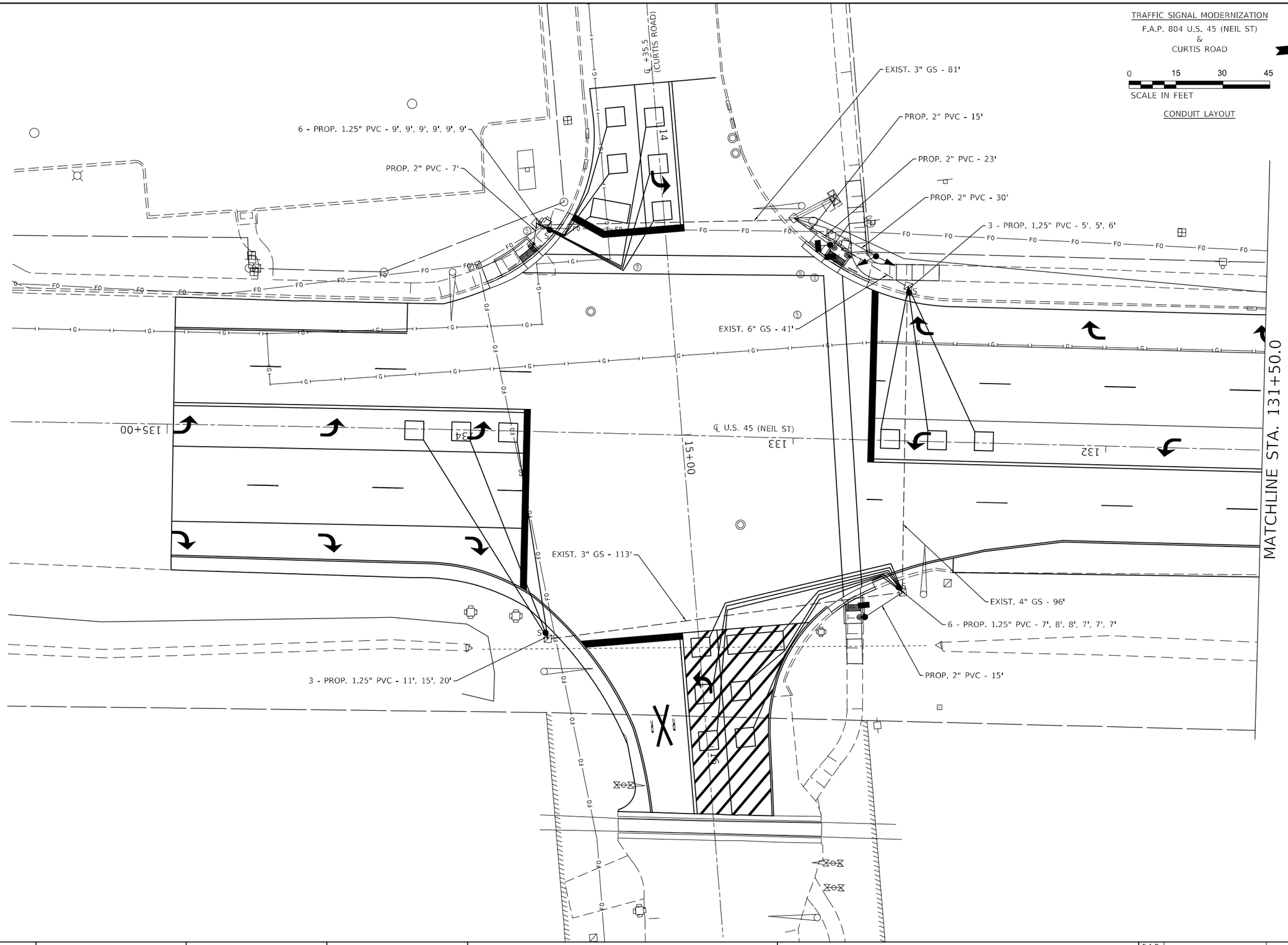
SCALE: 1" = 15' | SHEET 2 OF 6 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	239
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
CURTIS ROAD

0 15 30 45
SCALE IN FEET

CONDUIT LAYOUT



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	DRAWN -	REVISED -
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PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURTIS ROAD
CONDUIT LAYOUT

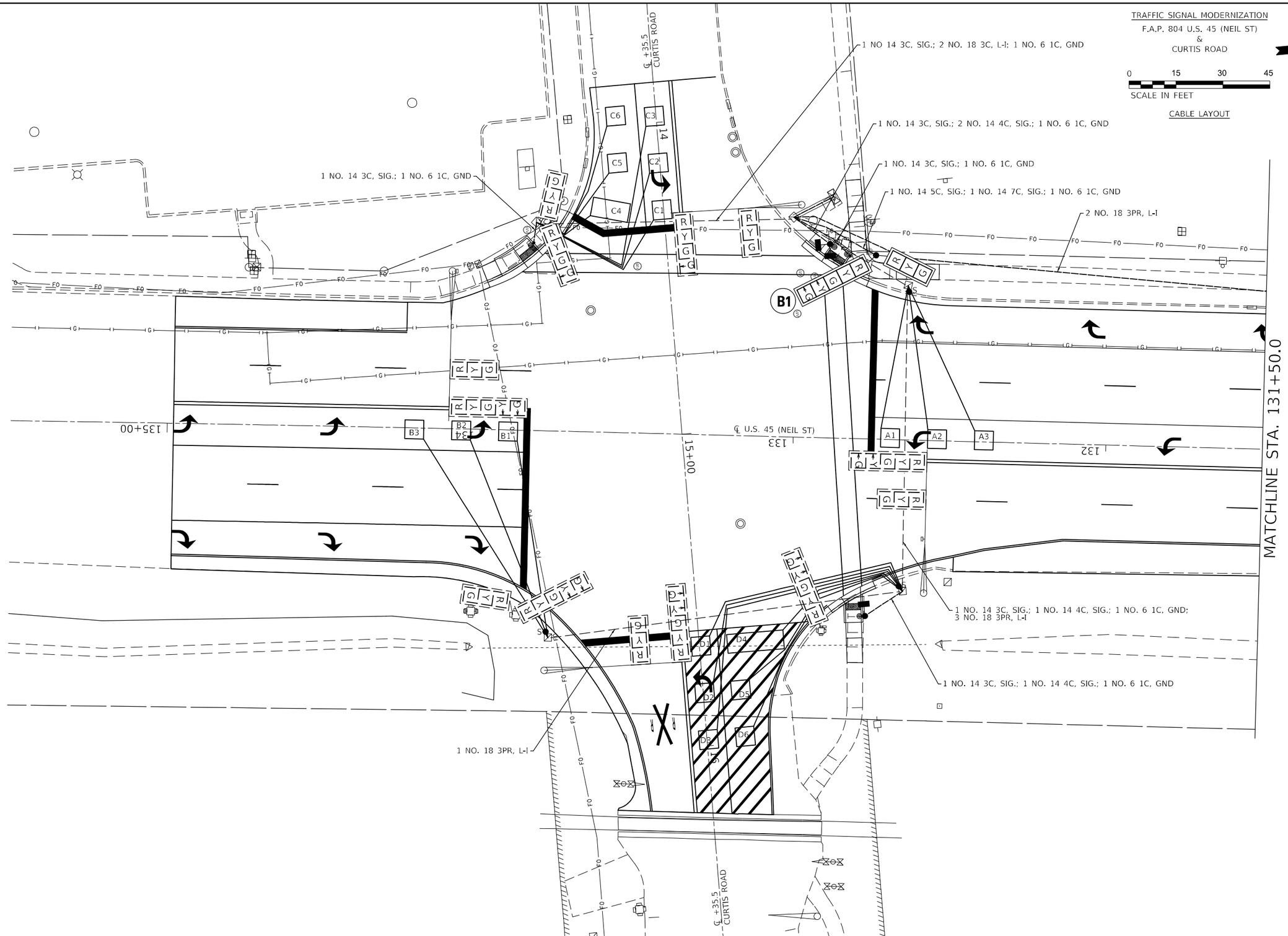
SCALE: 1" = 15' | SHEET 3 OF 6 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	240
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
CURTIS ROAD

0 15 30 45
SCALE IN FEET

CABLE LAYOUT



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		DRAWN -	REVISED -
	PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURTIS ROAD
CABLE LAYOUT

SCALE: 1" = 15' | SHEET 4 OF 6 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	241
		CONTRACT NO. 70991		
		ILLINOIS FED. AID PROJECT		

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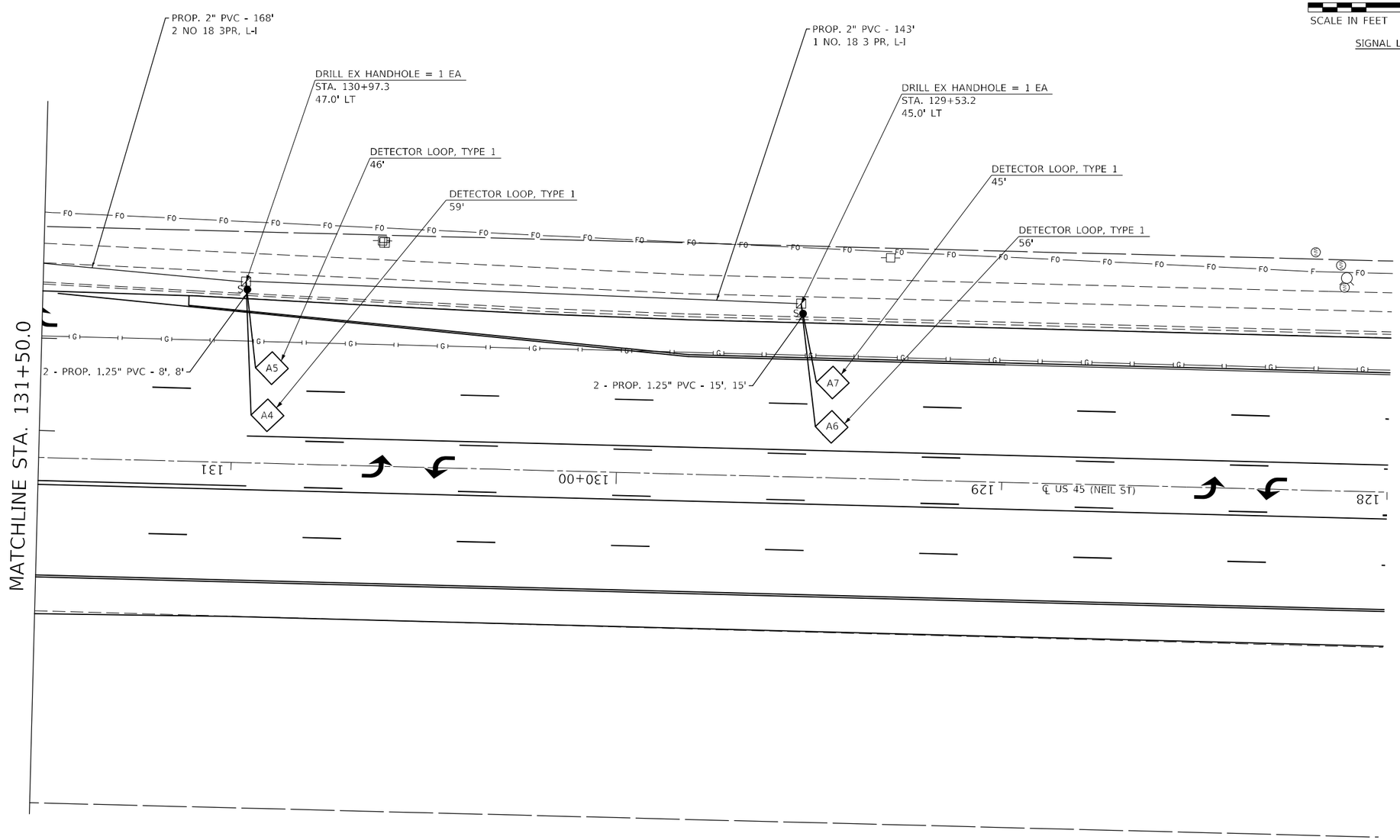
TRAFFIC SIGNAL MODERNIZATION

F.A.P. 804 U.S. 45 (NEIL ST)
&
CURTIS ROAD

0 15 30 45
SCALE IN FEET

SIGNAL LAYOUT



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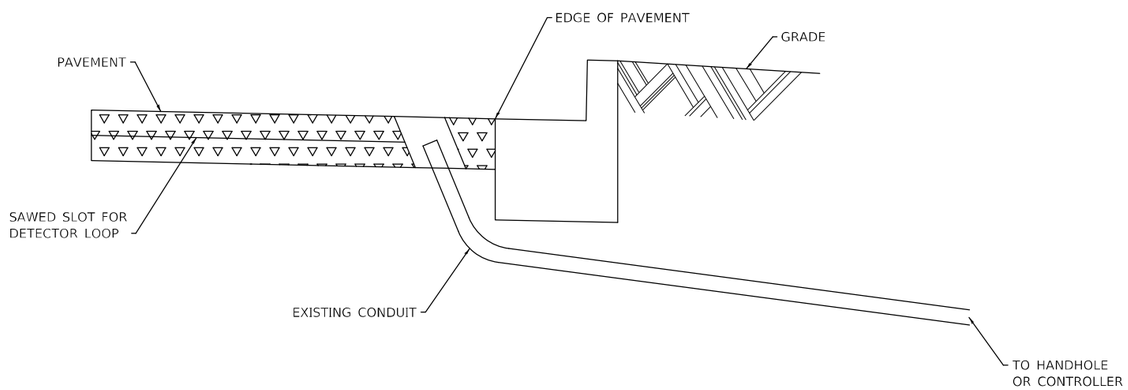
OATES ASSOCIATES www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURTIS ROAD SIGNAL LAYOUT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			804	25RS-6	CHAMPAIGN	306 / 242
	PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 70991	
	PLOT DATE = 6/26/2024	DATE -	REVISED -		SCALE: 1" = 15' SHEET 5 OF 6 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT	

DETECTOR LOOP DATA				
U.S. 45 & Curtis Rd.				
Loop	Length	Width	Number of Turns	Delay (sec.)
A1-3	6	6	4	
A4-5	6	6	5	
A6-7	6	6	6	
B1-3	6	6	4	
C1	6	6	4	
C2	6	6	4	
C3	6	6	4	
C4	6	12	4	8
C5	6	6	4	8
C6	6	6	4	8
D1	6	6	4	
D2	6	6	4	
D3	6	6	4	
D4	6	6	4	8
D5	6	6	4	8
D6	6	6	4	8

THE FOLLOWING LOOPS SHALL BE WIRED TO COMMON AMPLIFIERS: (A1, A2, A3), (A4, A5), (A6, A7), (B1, B2, B3), (C1, C2,C3), (C4, C5, C6), (D1, D2, D3), (D4, D5, D6)

UTILIZE THE EXISTING INDUCTIVE AMPLIFIERS IN PLACE



DETAIL A

(NO SCALE)

RE–USE EXISTING DETECTOR LOOP LEAD–IN CONDUIT

1 DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
2 REMOVE EXISTING CABLE TO HANDHOLE.
3 INSTALL LOOP LEAD-IN CONDUCTORS IN CONDUIT.
4 SPLICE NEW DETECTOR LOOP LEAD-IN CONDUCTORS TO EXISTING LEAD-IN CABLE IN HANDHOLE.
5 FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP, TYPE 1"
THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING THE EXISTING CONDUIT DURING CONSTRUCTION. SHOULD ANY DAMAGE TO THE CONDUIT OCCUR DUE TO THE OPERATIONS, REPAIR SHALL BE MADE TO THE SATISFACTION OF THE ENGINEER AND WILL BE DONE AT THE CONTRACTOR'S EXPENSE.

BILL OF MATERIALS

NEIL STREET & CURTIS ROAD

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 1 1/4" DIA.	FOOT	206
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	401
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	139
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 4C	FOOT	126
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	60
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	60
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	638
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	621
TRAFFIC SIGNAL POST, ALUMINUM 10 FT.	EACH	2
TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
PEDESTRIAN PUSH-BUTTON POST, TYPE II	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	9
DRILL EXISTING HANDHOLE	EACH	7
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	3
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	2
DETECTOR LOOP, TYPE I	FOOT	1,769
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4

87502640 TRAFFIC SIGNAL POST A 10FT	
STA. 132+76 ; 56.6' RT	1 EACH
STA. 132+90 ; 62.0' LT	1 EACH
TOTAL =	2 EACH

87502680 TRAFFIC SIGNAL POST A 14FT	
STA. 132+75 ; 58.8' LT	1 EACH

87600200 PEDESTRIAN PUSH-BUTTON POST, TYPE II	
STA. 132+83 ; 58.3 LT	1 EACH
STA. 133+84 ; 60.0 LT	1 EACH
TOTAL =	2 EACH

87800100 CONCRETE FDN TY A	
STA. 132+75 ; 58.8' LT	3 FEET
STA. 132+76 ; 56.6' RT	3 FEET
STA. 132+90 ; 62.0' LT	3 FEET
TOTAL =	9 FEET

89502385 REMOVE EXISTING CONCRETE FDN	
STA. 132+85 ; 62.3' LT	1 EACH

MODEL: $MODELNAME$
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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURTIS ROAD – PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES & BILL OF MATERIALS

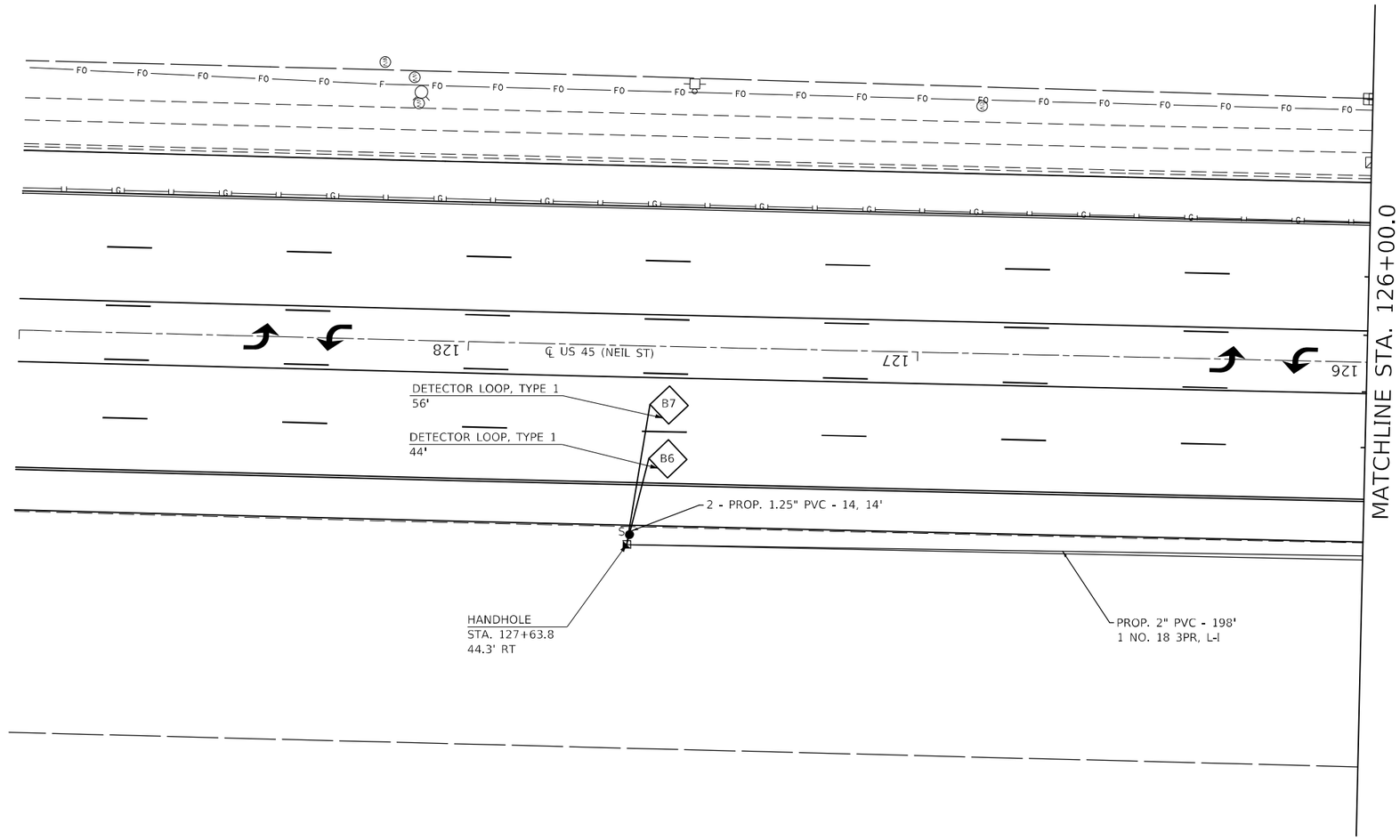
SCALE: 1" = 15' | SHEET 6 OF 6 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	243
		CONTRACT NO. 70991		
	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
ARBOUR TOWNE PLACE

0 15 30 45
SCALE IN FEET

SIGNAL LAYOUT



NOTE

1. PER DISTRICT REQUEST STATION CALLOUTS ON THE WEST SIDE OF THE ROAD ARE LABELED LT AND THE EAST SIDE OF THE ROAD ARE LABELED RT.

2. S INDICATES A CABLE SPLICE. EVERY CABLE SPLICE IS TO BE DONE IN A HANDHOLE. THE NUMBER OF CABLE SPLICES VARIES PER HANDHOLE.

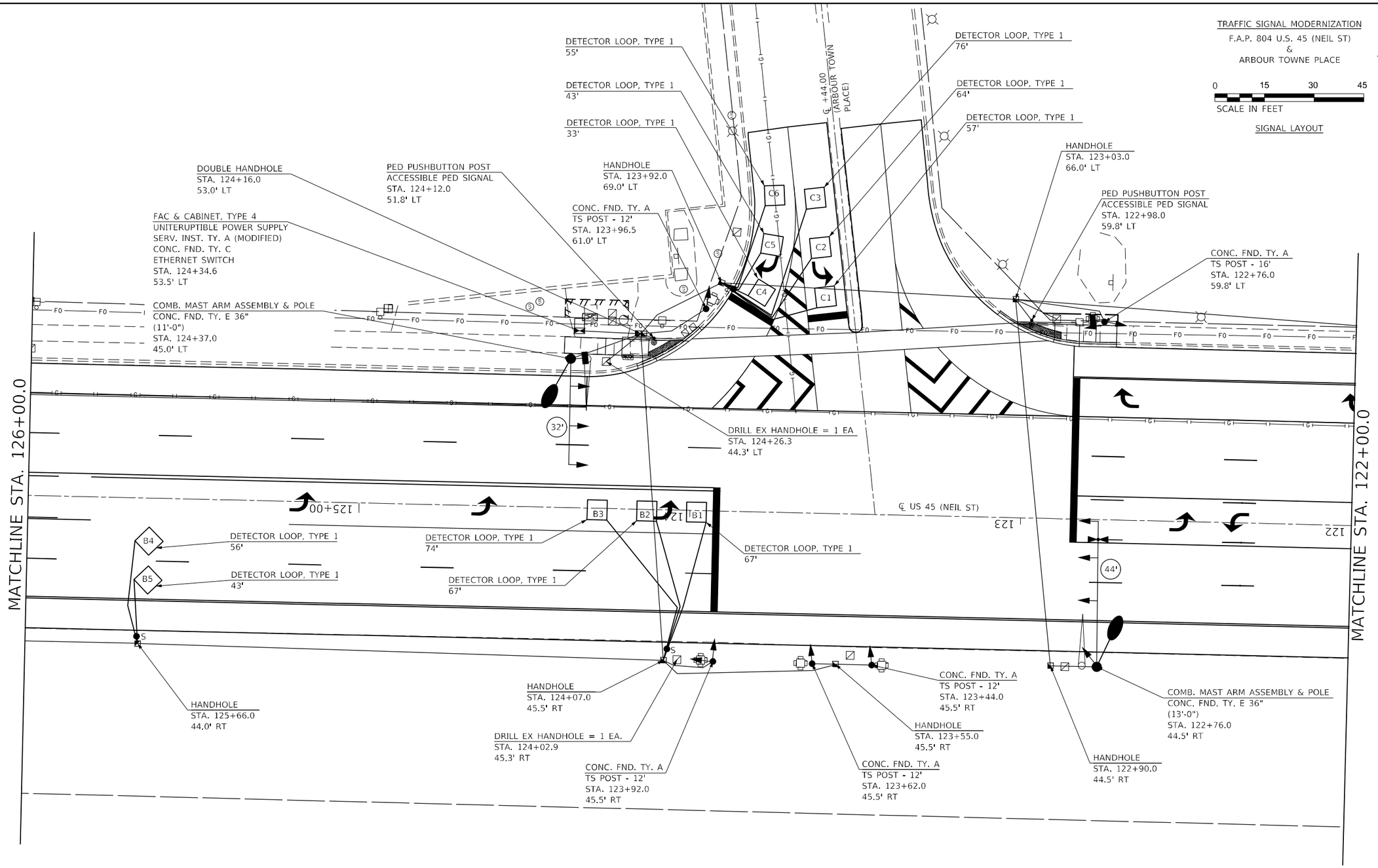
MODEL: SMODELNAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\057099\CADData\CADsheets\Consult\ent057099-sht-1-Arbour Towne.dgn

OATES ASSOCIATES www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARBOUR TOWNE PLACE SIGNAL LAYOUT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			804	25RS-6	CHAMPAIGN	306	244
	PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 70991		
	PLOT DATE = 6/26/2024	DATE -	REVISED -		SCALE: 1" = 15' SHEET 1 OF 7 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
ARBOUR TOWNE PLACE

0 15 30 45
SCALE IN FEET

SIGNAL LAYOUT



NOTE

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PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARBOUR TOWNE PLACE
SIGNAL LAYOUT

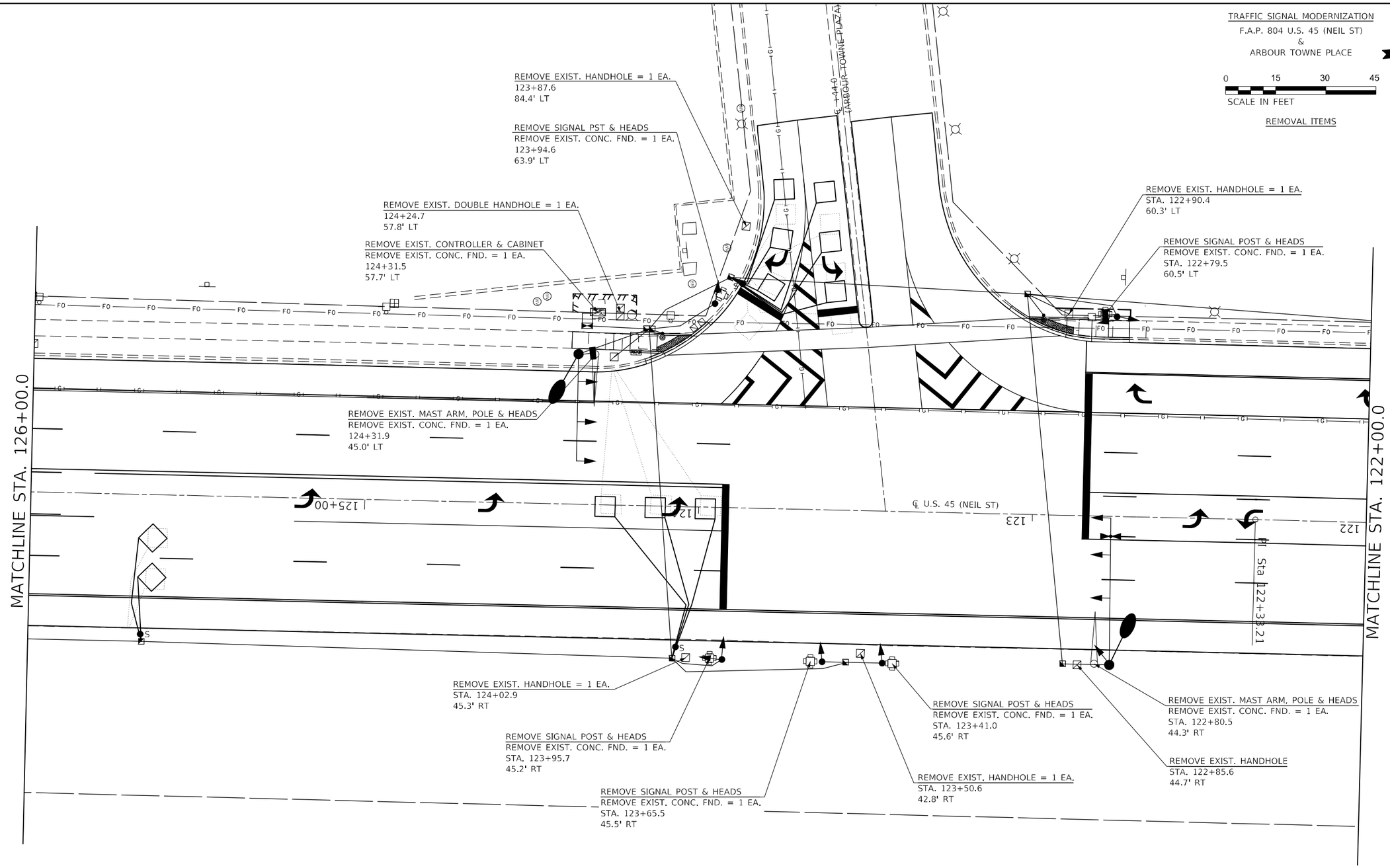
SCALE: 1" = 15' | SHEET 2 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	245
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
ARBOUR TOWNE PLACE

0 15 30 45
SCALE IN FEET

REMOVAL ITEMS



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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

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PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARBOUR TOWNE PLACE
REMOVAL ITEMS

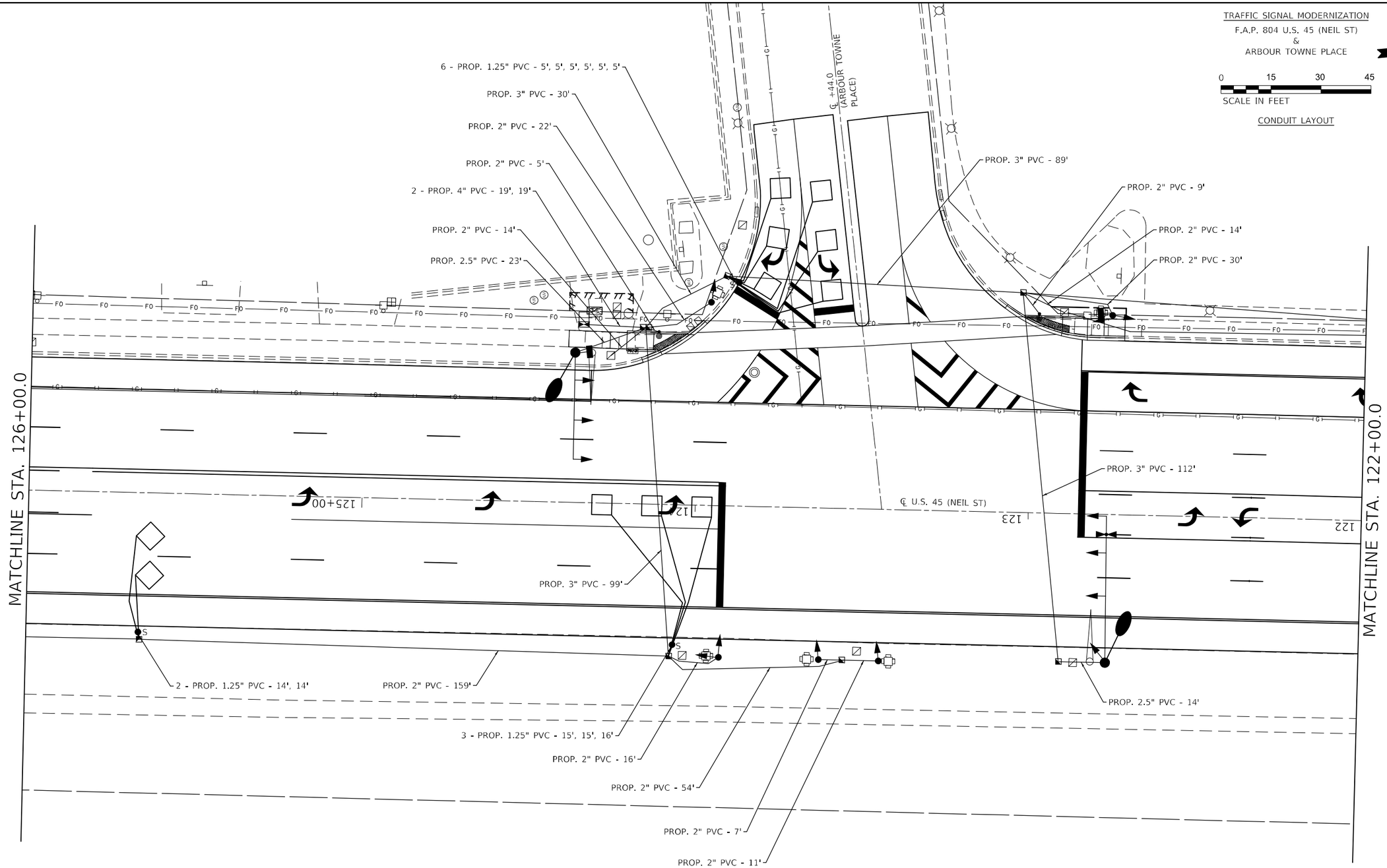
SCALE: 1" = 15' | SHEET 3 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	246
		CONTRACT NO. 70991		
	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
ARBOUR TOWNE PLACE

0 15 30 45
SCALE IN FEET

CONDUIT LAYOUT



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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARBOUR TOWNE PLACE
CONDUIT LAYOUT

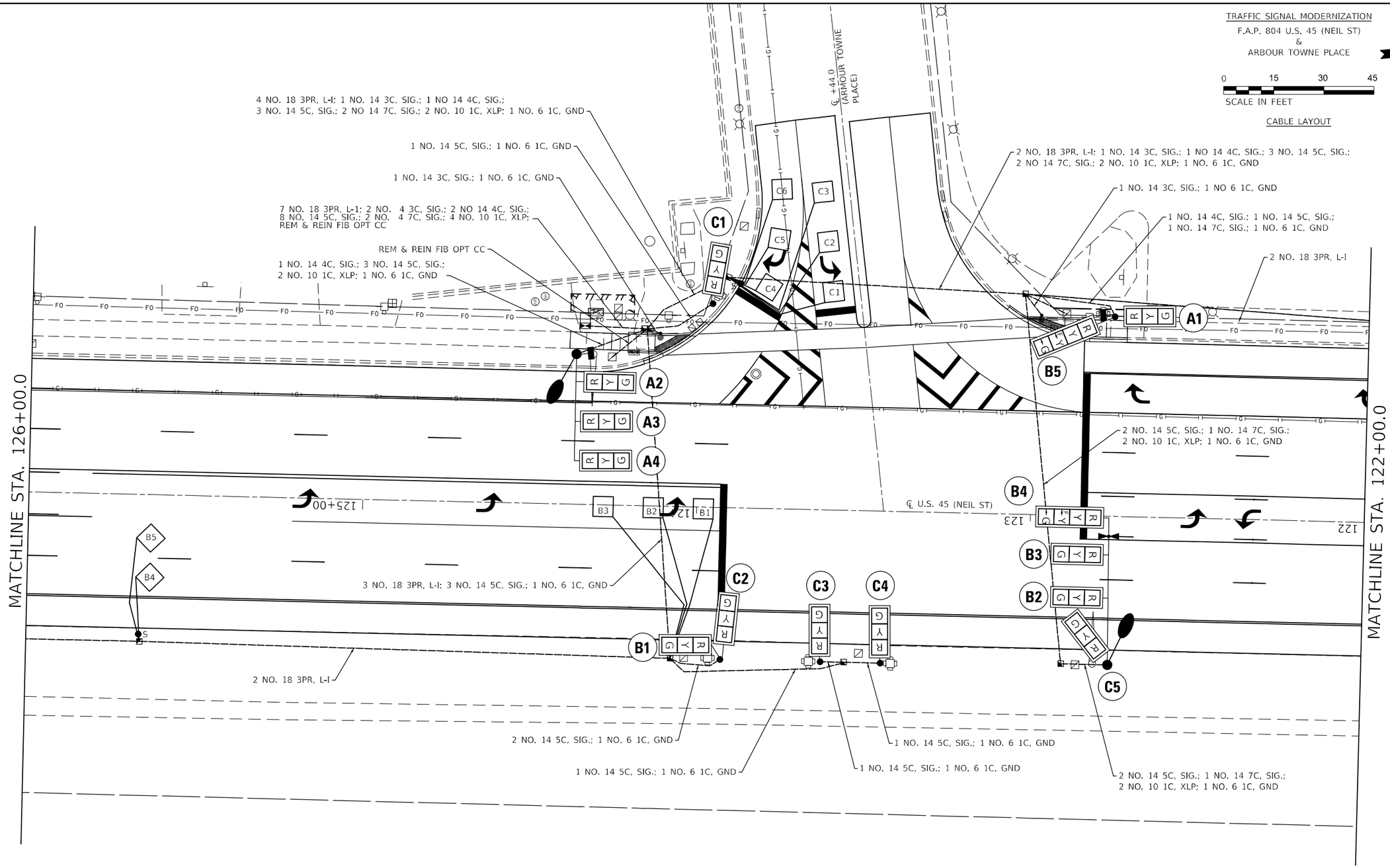
SCALE: 1" = 15' | SHEET 4 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	247
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
ARBOUR TOWNE PLACE

0 15 30 45
SCALE IN FEET

CABLE LAYOUT



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USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARBOUR TOWNE PLACE
CABLE LAYOUT

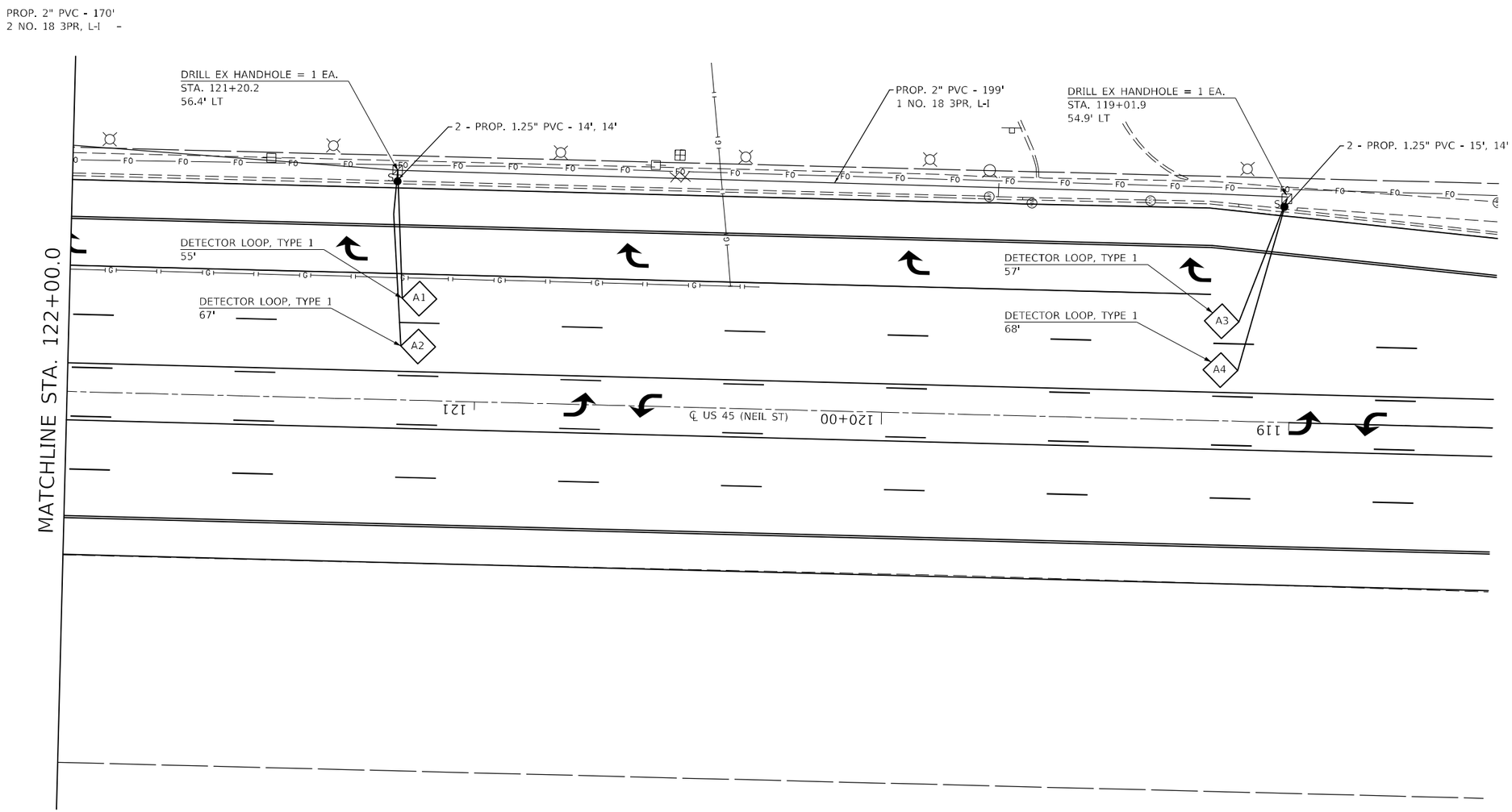
SCALE: 1" = 15' | SHEET 5 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	248
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
ARBOUR TOWNE PLACE

0 15 30 45
SCALE IN FEET

SIGNAL LAYOUT



NOTE

1. PER DISTRICT REQUEST STATION CALLOUTS ON THE WEST SIDE OF THE ROAD ARE LABELED LT AND THE EAST SIDE OF THE ROAD ARE LABELED RT.

2. S INDICATES A CABLE SPLICE. EVERY CABLE SPLICE IS TO BE DONE IN A HANDHOLE. THE NUMBER OF CABLE SPLICES VARIES PER HANDHOLE.

MODEL: SINGLE NAMES
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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
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PLOT DATE = 6/26/2024	DATE -	REVISED -

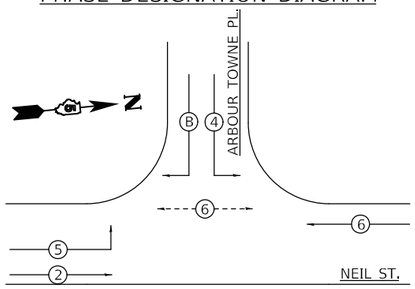
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARBOUR TOWNE PLACE
SIGNAL LAYOUT

SCALE: 1" = 15' | SHEET 6 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	249
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

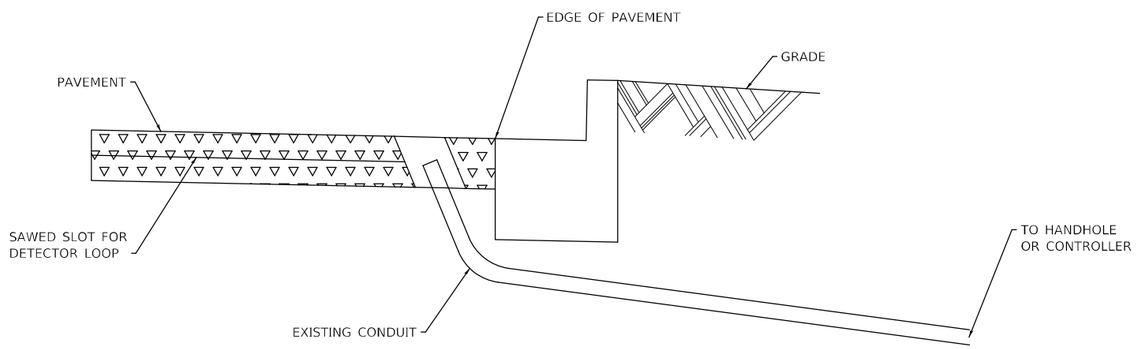
PHASE DESIGNATION DIAGRAM



DETECTOR LOOP DATA				
U.S. 45 & Arbour Towne Place				
Loop	Length	Width	Number of Turns	Delay (sec.)
A1-A2	6	6	5	
A3-A4	6	6	6	
B1-B3	6	6	4	
B4-B5	6	6	5	
B6-B7	6	6	6	
C1-C3	6	6	4	
C4-C6	6	6	4	8

THE FOLLOWING LOOPS SHALL BE WIRED TO COMMON AMPLIFIERS: (A1, A2), (A3, A4), (B1, B2, B3), (B4, B5), (B6, B7), (C1, C2, C3), (C4, C5, C6)

UTILIZE THE EXISTING INDUCTIVE AMPLIFIERS IN PLACE



DETAIL A

(NO SCALE)

RE–USE EXISTING DETECTOR LOOP LEAD–IN CONDUIT

1 DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
2 REMOVE EXISTING CABLE TO HANDHOLE.
3 INSTALL LOOP LEAD-IN CONDUCTORS IN CONDUIT.
4 SPLICE NEW DETECTOR LOOP LEAD-IN CONDUCTORS TO EXISTING LEAD-IN CABLE IN HANDHOLE.
5 FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP, TYPE 1"
THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING THE EXISTING CONDUIT DURING CONSTRUCTION. SHOULD ANY DAMAGE TO THE CONDUIT OCCUR DUE TO THE OPERATIONS, REPAIR SHALL BE MADE TO THE SATISFACTION OF THE ENGINEER AND WILL BE DONE AT THE CONTRACTOR'S EXPENSE.

BILL OF MATERIALS

NEIL STREET & ARBOUR TOWNE PLACE

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 1 1/4" DIA.	FOOT	191
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	1,101
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	37
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	330
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	38
HANDHOLE	EACH	7
DOUBLE HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	902
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	2
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	228
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 4C	FOOT	235
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,054
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	574
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	2,021
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	37
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,620
TRAFFIC SIGNAL POST, ALUMINUM 12 FT.	EACH	4
TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	1
PEDESTRIAN PUSH-BUTTON POST, TYPE II	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	15
CONCRETE FOUNDATION, TYPE C	FOOT	3
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	24
DRILL EXISTING HANDHOLE	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	13
DETECTOR LOOP, TYPE I	FOOT	980
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	5
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
REMOVE AND REINSTALL FIBER OPTIC CABLE IN CONDUIT	FOOT	81
SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1
ETHERNET SWITCH	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT. (SPECIAL)	EACH	1

GENERAL NOTES

1. THE FOLLOWING SIGNAL HEADS SHALL BE WIRED IN PARALLEL AT THE MAST ARM POLE HANDHOLE: (A2, A3, A4), (B2, B3), (C3, C4) - EACH MAST ARM MOUNTED SIGNAL HEAD SHALL HAVE ITS OWN INDIVIDUAL CABLE FROM THE MAST POLE HANDHOLE TO THE SIGNAL HEAD.

81400100 HANDHOLE	
STA. 122+90 ; 44.5' RT	1 EACH
STA. 123+03 ; 66.0' LT	1 EACH
STA. 123+55 ; 45.5' RT	1 EACH
STA. 123+92 ; 69.0' LT	1 EACH
STA. 124+07 ; 45.5' RT	1 EACH
STA. 125+66 ; 44.0' RT	1 EACH
STA. 127+64 ; 45.0' RT	1 EACH
TOTAL =	7 EACH

81400300 DOUBLE HANDHOLE	
STA. 124+16 ; 53.0' LT	1 EACH

87502660 TRAFFIC SIGNAL POST A 12FT	
STA. 123+44 ; 45.5' RT	1 EACH
STA. 123+62 ; 45.5' RT	1 EACH
STA. 123+92 ; 45.5' RT	1 EACH
STA. 123+97 ; 61.0' LT	1 EACH
TOTAL =	4 EACH

87502700 TRAFFIC SIGNAL POST A 16FT	
STA. 122+76 ; 59.8' LT	1 EACH

87600200 PEDESTRIAN PUSH-BUTTON POST, TYPE II	
STA. 122+98 ; 59.7' LT	1 EACH
STA. 124+12 ; 51.8' LT	1 EACH
TOTAL =	2 EACH

87800100 CONCRETE FDN TY A	
STA. 122+76 ; 59.8' LT	3 FEET
STA. 123+44 ; 45.5' RT	3 FEET
STA. 123+62 ; 45.5' RT	3 FEET
STA. 123+92 ; 45.5' RT	3 FEET
STA. 123+97 ; 61.0' LT	3 FEET
TOTAL =	15 FEET

87800150 CONCRETE FDN TY C	
STA. 124+35 ; 53.5' LT	3 FEET

87800415 CONCRETE FDN TY E 36 IN	
STA. 122+76 ; 44.5' RT	13 FEET
STA. 124+37 ; 45.0' LT	11 FEET
TOTAL =	24 FEET

89501420 REL EM VEH PR SY COMP	
STA. 122+76 ; 44.5' RT	1 EACH

89502380 REMOVE EXISTING HANDHOLE	
STA. 122+86 ; 44.7' RT	1 EACH
STA. 122+90 ; 60.3' LT	1 EACH
STA. 123+51 ; 42.8' RT	1 EACH
STA. 123+88 ; 84.4' LT	1 EACH
STA. 124+03 ; 53.6' RT	1 EACH
TOTAL =	5 EACH

89502382 REMOVE EXISTING DOUBLE HANDHOLE	
STA. 124+25 ; 57.8' LT	1 EACH

89502385 REMOVE EXISTING CONCRETE FDN	
STA. 122+80 ; 60.5' LT	1 EACH
STA. 122+81 ; 44.3' RT	1 EACH
STA. 123+41 ; 45.6' RT	1 EACH
STA. 123+66 ; 45.5' RT	1 EACH
STA. 123+95 ; 63.9' LT	1 EACH
STA. 123+96 ; 45.2' RT	1 EACH
STA. 124+32 ; 45.0' LT	1 EACH
STA. 124+32 ; 57.7' LT	1 EACH
TOTAL =	8 EACH

MODEL: $MODELNAME$
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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARBOUR TOWNE PLACE – PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES & BILL OF MATERIALS

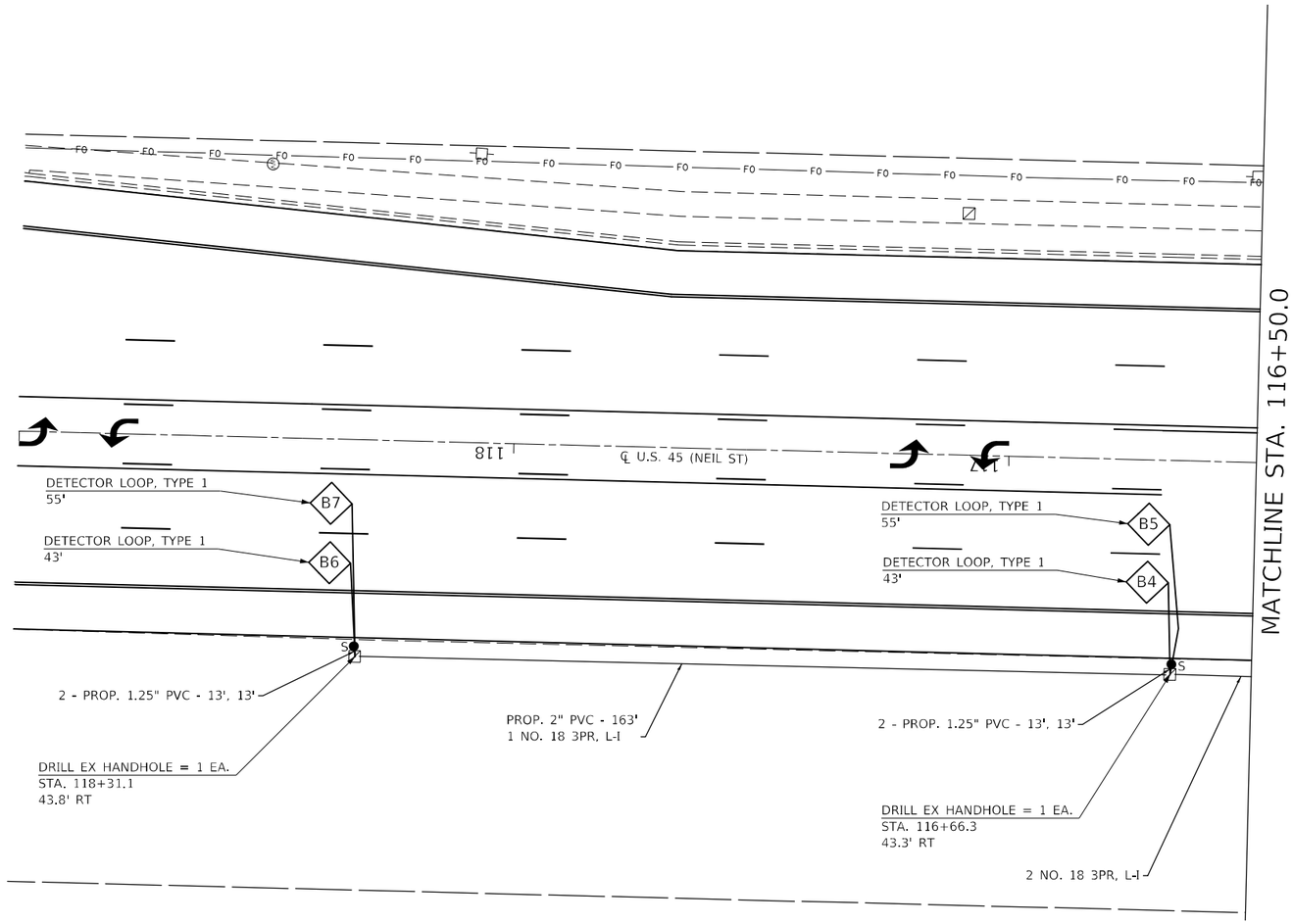
SCALE: 1" = 15' | SHEET 7 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	250
		CONTRACT NO. 70991		
		ILLINOIS FED. AID PROJECT		

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
BURWASH AVENUE

0 15 30 45
SCALE IN FEET

SIGNAL LAYOUT



NOTES

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MODEL: $MODELNAME$
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USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
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PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BURWASH AVENUE
SIGNAL LAYOUT

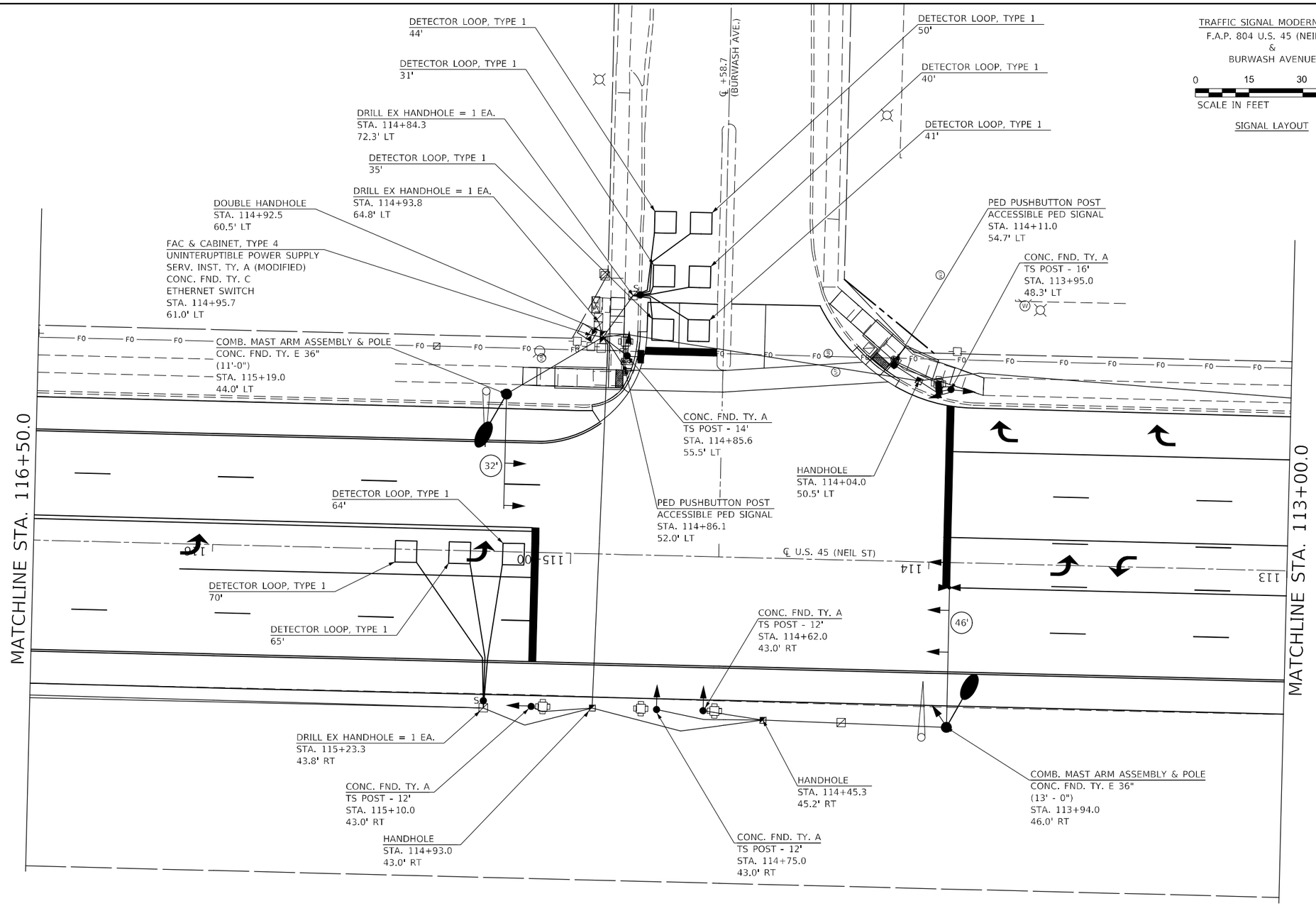
SCALE: 1" = 15' | SHEET 1 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	251
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
BURWASH AVENUE

0 15 30 45
SCALE IN FEET

SIGNAL LAYOUT



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PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BURWASH AVENUE
SIGNAL LAYOUT

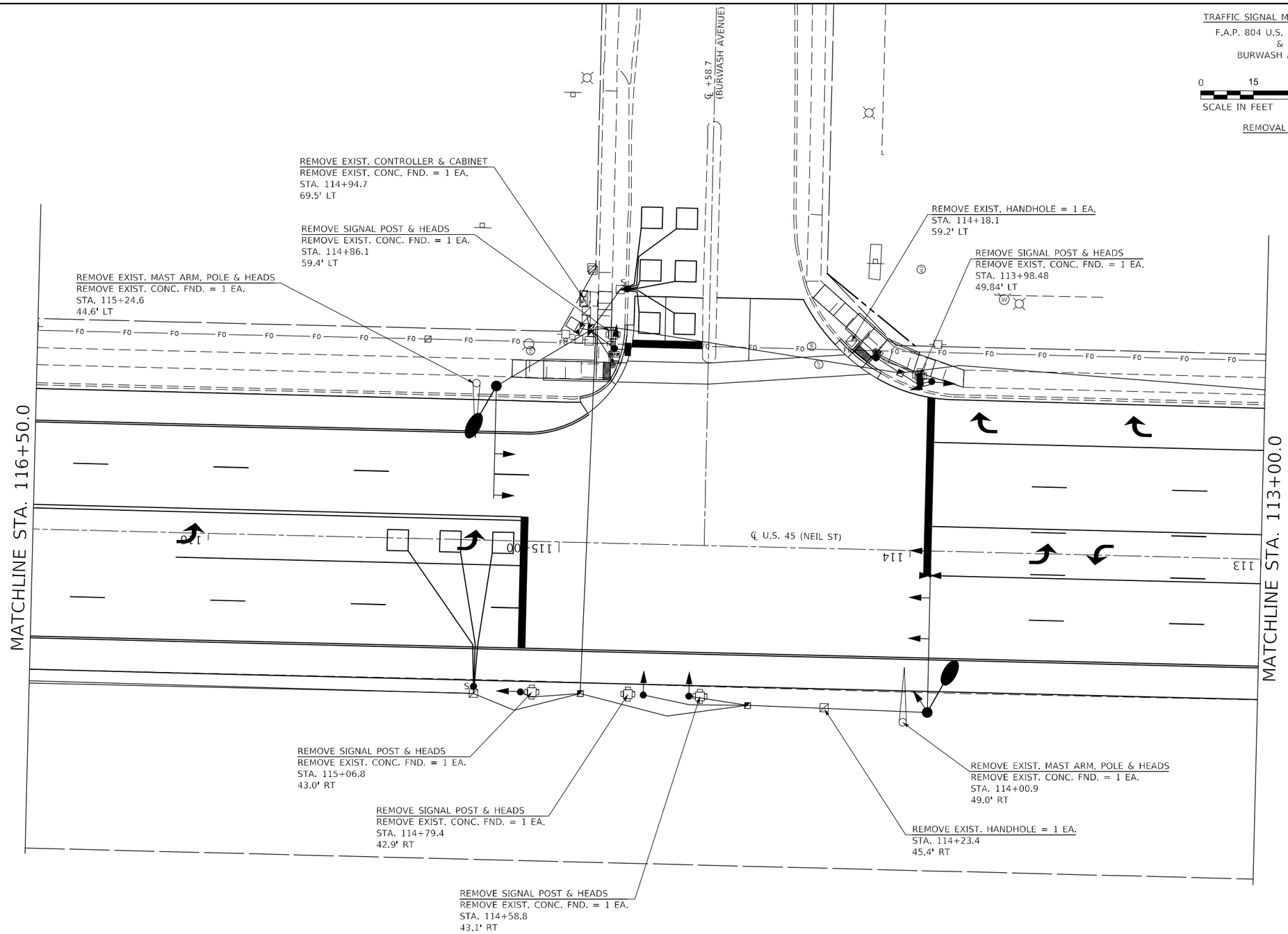
SCALE: 1" = 15' | SHEET 2 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	252
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
BURWASH AVENUE

0 15 30 45
SCALE IN FEET

REMOVAL ITEMS



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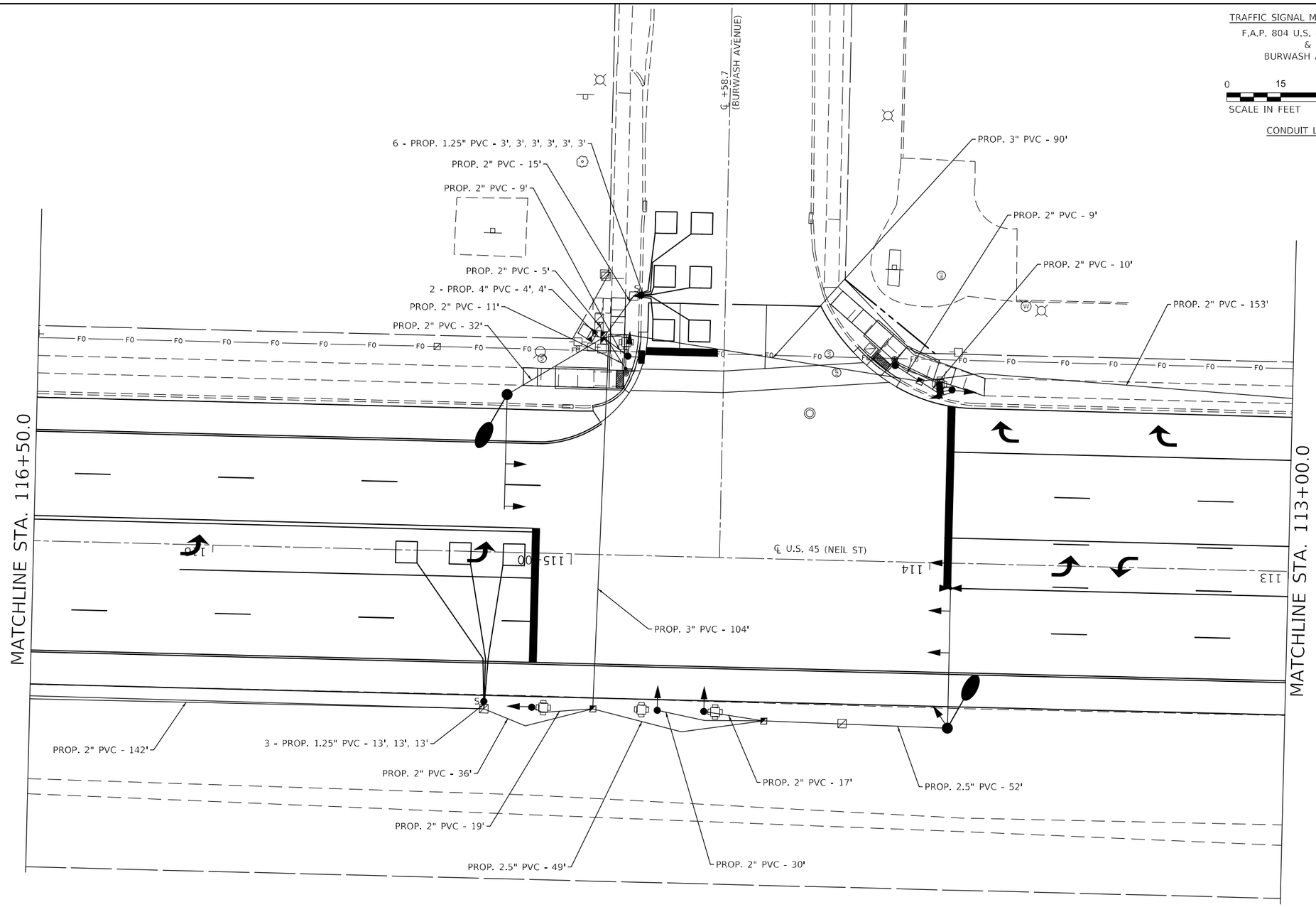
		DRAWN -	REVISED -			804	25RS-6	CHAMPAIGN	306 / 253
	PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 70991	
	PLOT DATE = 6/26/2024	DATE -	REVISED -		SCALE: 1" = 15' SHEET 3 OF 7 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
BURWASH AVENUE

0 15 30 45
SCALE IN FEET

CONDUIT LAYOUT



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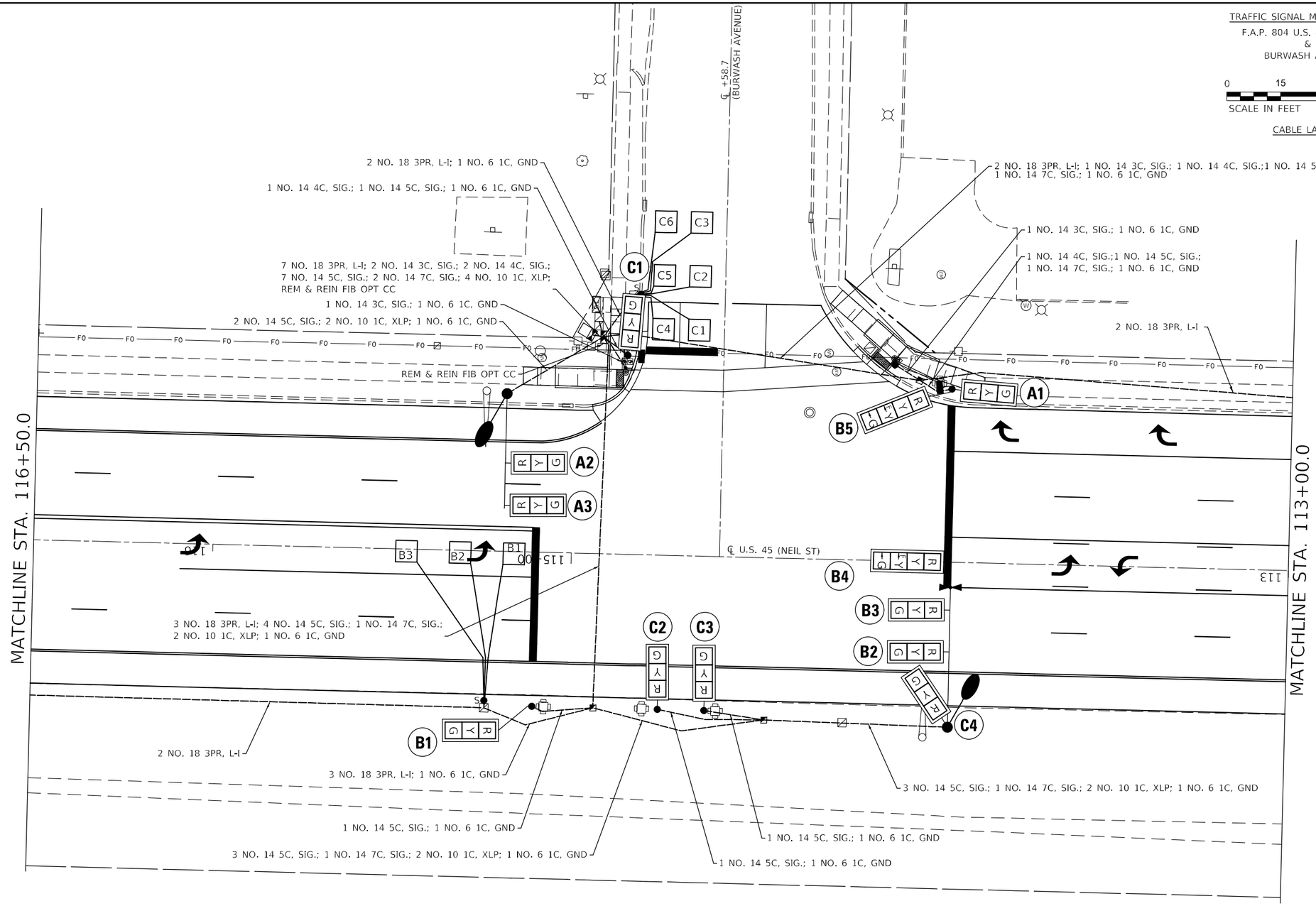
OATES ASSOCIATES www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BURWASH AVENUE CONDUIT LAYOUT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			804	25RS-6	CHAMPAIGN	306 / 254
	PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 70991	
	PLOT DATE = 6/26/2024	DATE -	REVISED -		SCALE: 1" = 15' SHEET 4 OF 7 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
BURWASH AVENUE

0 15 30 45
SCALE IN FEET

CABLE LAYOUT



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BURWASH AVENUE
CABLE LAYOUT

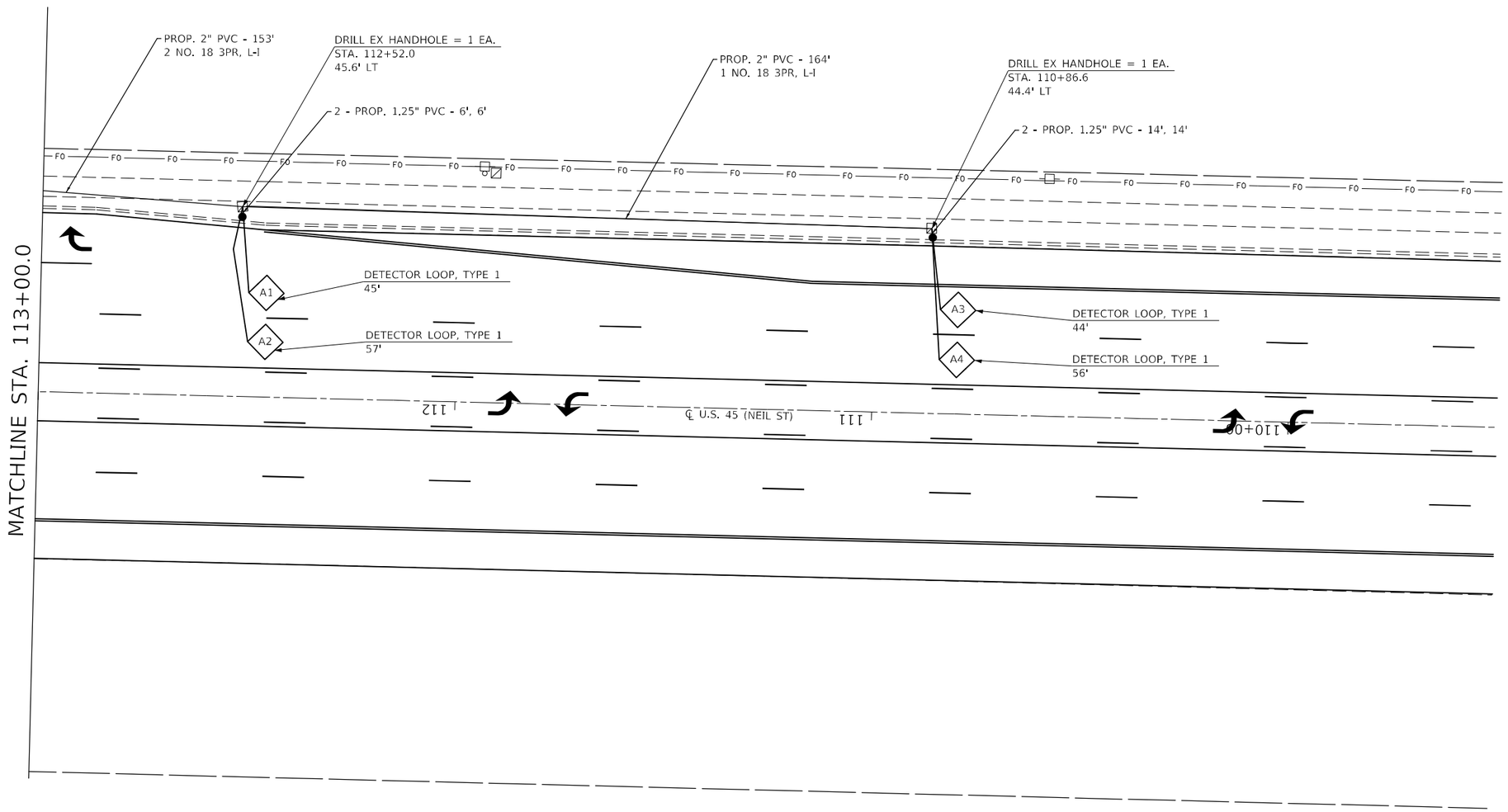
SCALE: 1" = 15' | SHEET 5 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	255
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
BURWASH AVENUE

0 15 30 45
SCALE IN FEET

SIGNAL LAYOUT



NOTES

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BURWASH AVENUE
SIGNAL LAYOUT

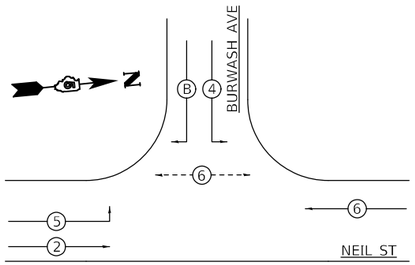
SCALE: 1" = 15' | SHEET 6 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	256

CONTRACT NO. 70991

ILLINOIS | FED. AID PROJECT

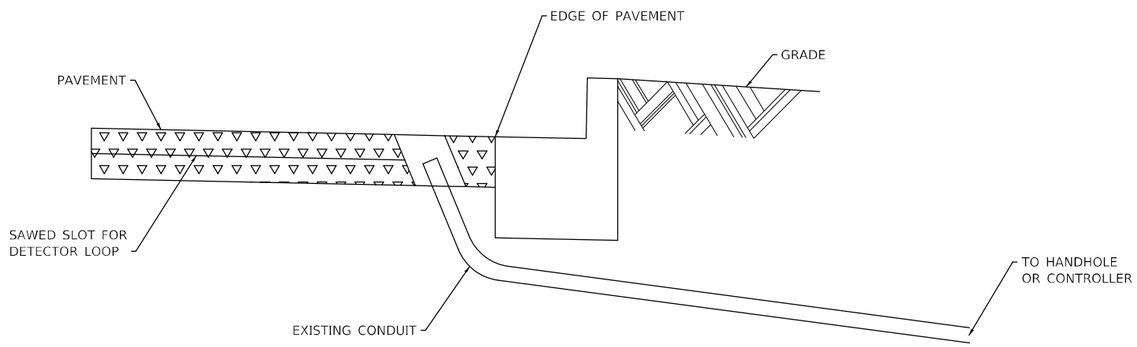
PHASE DESIGNATION DIAGRAM



DETECTOR LOOP DATA				
U.S. 45 & Burwash Ave.				
Loop	Length	Width	Number of Turns	Delay (sec.)
A1-A2	6	6	5	
A3-A4	6	6	6	
B1-B3	6	6	4	
B4-B5	6	6	5	
B6-B7	6	6	6	
C1-C3	6	6	4	
C4-C6	6	6	4	8

THE FOLLOWING LOOPS SHALL BE WIRED TO COMMON AMPLIFIERS: (A1, A2), (A3, A4), (B1, B2, B3), (B4, B5), (B6, B7), (C1, C2, C3), (C4, C5, C6)

UTILIZE THE EXISTING INDUCTIVE AMPLIFIERS IN PLACE



DETAIL A

(NO SCALE)

RE–USE EXISTING DETECTOR LOOP LEAD–IN CONDUIT

1 DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
2 REMOVE EXISTING CABLE TO HANDHOLE.
3 INSTALL LOOP LEAD-IN CONDUCTORS IN CONDUIT.
4 SPLICE NEW DETECTOR LOOP LEAD-IN CONDUCTORS TO EXISTING LEAD-IN CABLE IN HANDHOLE.
5 FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP, TYPE 1"
THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING THE EXISTING CONDUIT DURING CONSTRUCTION. SHOULD ANY DAMAGE TO THE CONDUIT OCCUR DUE TO THE OPERATIONS, REPAIR SHALL BE MADE TO THE SATISFACTION OF THE ENGINEER AND WILL BE DONE AT THE CONTRACTOR'S EXPENSE.

BILL OF MATERIALS

NEIL STREET & BURWASH AVENUE

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 1 1/4" DIA.	FOOT	149
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	916
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	101
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	194
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	8
HANDHOLE	EACH	3
DOUBLE HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	740
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	2
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	174
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 4C	FOOT	182
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,626
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	449
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	698
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	17
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,426
TRAFFIC SIGNAL POST, ALUMINUM 12 FT.	EACH	3
TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	1
PEDESTRIAN PUSH-BUTTON POST, TYPE II	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	15
CONCRETE FOUNDATION, TYPE C	FOOT	3
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	24
DRILL EXISTING HANDHOLE	EACH	7
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	12
DETECTOR LOOP, TYPE I	FOOT	836
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
REMOVE AND REINSTALL FIBER OPTIC CABLE IN CONDUIT	FOOT	64
SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1
ETHERNET SWITCH	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT. (SPECIAL)	EACH	1

GENERAL NOTES

1. THE FOLLOWING SIGNAL HEADS SHALL BE WIRED IN PARALLEL AT THE MAST ARM POLE HANDHOLE: (A2, A3), (B2, B3), (C2, C3) - EACH MAST ARM MOUNTED SIGNAL HEAD SHALL HAVE ITS OWN INDIVIDUAL CABLE FROM THE MAST POLE HANDHOLE TO THE SIGNAL HEAD.

81400100 HANDHOLE	
STA. 114+04 ; 50.5' LT	1 EACH
STA. 114+45 ; 45.2' RT	1 EACH
STA. 114+93 ; 43.0' RT	1 EACH
TOTAL =	3 EACH

81400300 DOUBLE HANDHOLE	
STA. 114+93 ; 60.5' LT	1 EACH

87502660 TRAFFIC SIGNAL POST A 12FT	
STA. 114+62 ; 43.0' RT	1 EACH
STA. 114+75 ; 43.0' RT	1 EACH
STA. 115+10 ; 43.0' RT	1 EACH
TOTAL =	3 EACH

87502680 TRAFFIC SIGNAL POST A 14FT	
STA. 114+86 ; 55.5' LT	1 EACH

87502680 TRAFFIC SIGNAL POST A 16FT	
STA. 113+95 ; 48.3' LT	1 EACH

87600200 PEDESTRIAN PUSH-BUTTON POST, TYPE II	
STA. 114+11 ; 54.6' LT	1 EACH
STA. 114+86 ; 52.0' LT	1 EACH
TOTAL =	2 EACH

87800100 CONCRETE FDN TY A	
STA. 113+95 ; 48.3' LT	3 FEET
STA. 114+62 ; 43.0' RT	3 FEET
STA. 114+75 ; 43.0' RT	3 FEET
STA. 114+86 ; 55.5' LT	3 FEET
STA. 115+10 ; 43.0' RT	3 FEET
TOTAL =	15 FEET

87800150 CONCRETE FDN TY C	
STA. 114+96 ; 61.0' LT	3 FEET

87800415 CONCRETE FDN TY E 36 IN	
STA. 113+94 ; 46.0' RT	13 FEET
STA. 115+19 ; 44.0' LT	11 FEET
TOTAL =	24 FEET

89501420 REL EM VEH PR SY COMP	
STA. 113+94 ; 46.0' RT	1 EACH

89502380 REMOVE EXISTING HANDHOLE	
STA. 114+18 ; 59.2' LT	1 EACH
STA. 114+23 ; 45.4' RT	1 EACH
TOTAL =	2 EACH

89502385 REMOVE EXISTING CONCRETE FDN	
STA. 113+98 ; 49.8' LT	1 EACH
STA. 114+01 ; 49.0' RT	1 EACH
STA. 114+59 ; 43.1' RT	1 EACH
STA. 114+79 ; 42.9' RT	1 EACH
STA. 114+86 ; 59.4' LT	1 EACH
STA. 114+95 ; 69.5' LT	1 EACH
STA. 115+07 ; 43.0' RT	1 EACH
STA. 115+25 ; 44.6' LT	1 EACH
TOTAL =	8 EACH

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	DRAWN -	REVISED -
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PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BURWASH AVENUE – PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES & BILL OF MATERIALS

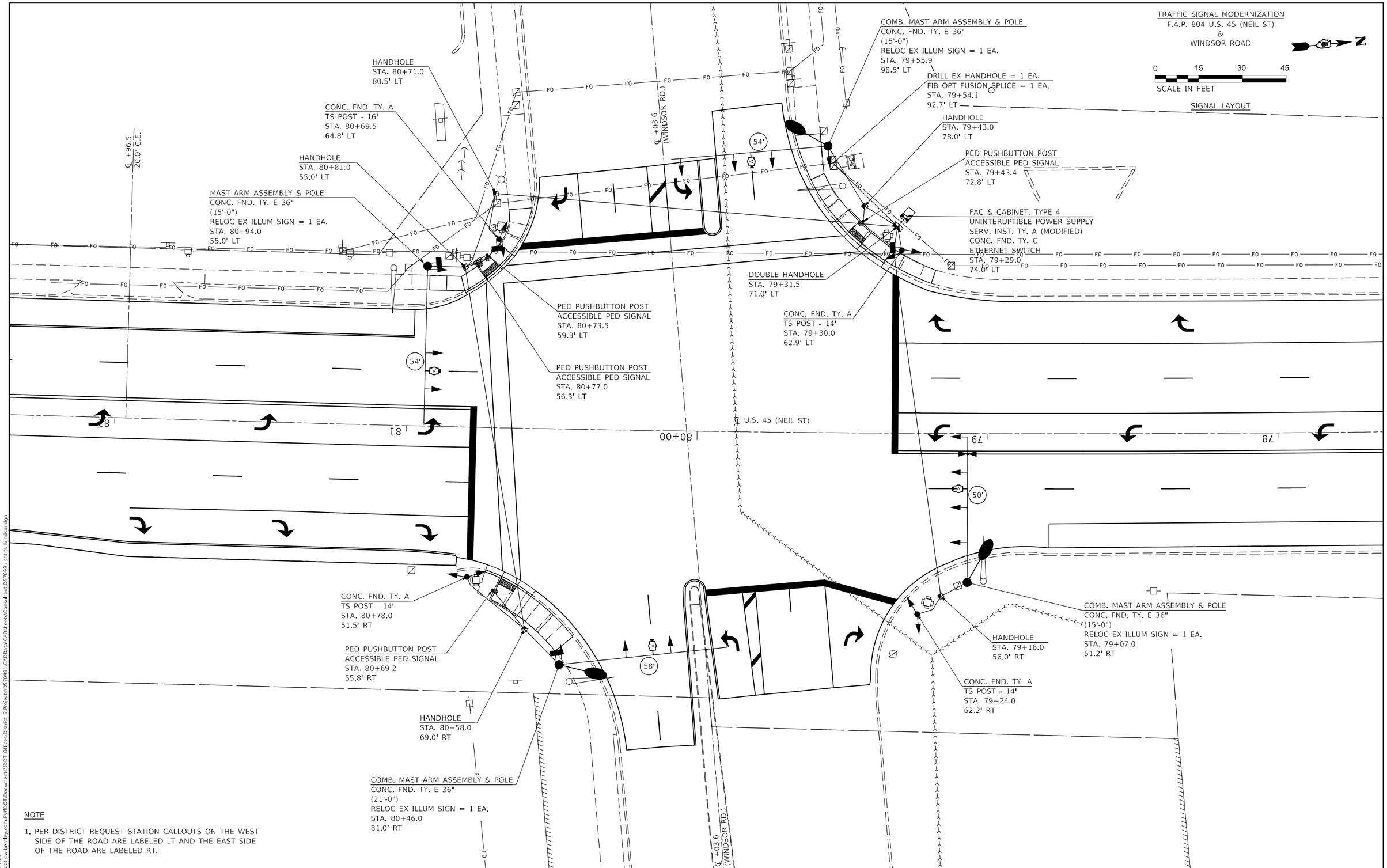
SCALE: 1" = 15' | SHEET 7 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	257
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
WINDSOR ROAD

0 15 30 45
SCALE IN FEET

SIGNAL LAYOUT



NOTE

1. PER DISTRICT REQUEST STATION CALLOUTS ON THE WEST SIDE OF THE ROAD ARE LABELED LT AND THE EAST SIDE OF THE ROAD ARE LABELED RT.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WINDSOR ROAD
SIGNAL LAYOUT

SCALE: 1" = 15' | SHEET 1 OF 5 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	258
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
WINDSOR ROAD

0 15 30 45
SCALE IN FEET

REMOVAL ITEMS

REMOVE SIGNAL POST & HEADS
REMOVE EXIST. CONC. FND. = 1 EA.
STA. 80+68.8
69.1' LT

REMOVE EXIST. MAST ARM, POLE & HEADS
REMOVE EXIST. CONC. FND. = 1 EA.
STA. 81+05.7
54.1' LT

REMOVE EXIST. CONTROLLER & CABINET
REMOVE EXIST. CONC. FND. = 1 EA.
STA. 79+47.6
93.0' LT

REMOVE EXIST. MAST ARM, POLE & HEADS
REMOVE EXIST. CONC. FND. = 1 EA.
STA. 79+50.7
84.8' LT

REMOVE SIGNAL POST & HEADS
REMOVE EXIST. CONC. FND. = 1 EA.
STA. 79+35.2
67.8' LT

REMOVE SIGNAL POST & HEADS
REMOVE EXIST. CONC. FND. = 1 EA.
STA. 80+74.8
52.6' RT

REMOVE EXIST. MAST ARM, POLE & HEADS
REMOVE EXIST. CONC. FND. = 1 EA.
STA. 80+42.4
86.8' RT

REMOVE EXIST. MAST ARM, POLE & HEADS
REMOVE EXIST. CONC. FND. = 1 EA.
STA. 79+01.4
50.8' RT

REMOVE EXIST. HANDHOLE = 1 EA.
STA. 79+10.1
52.5' RT

REMOVE SIGNAL POST & HEADS
REMOVE EXIST. CONC. FND. = 1 EA.
STA. 79+20.5
58.2' RT

℄ +96.5
20.0' C.E.

℄ +03.6
(WINDSOR RD)

℄ U.S. 45 (NEIL ST)

80+00

81

82

79

78

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	PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WINDSOR ROAD
REMOVAL ITEMS

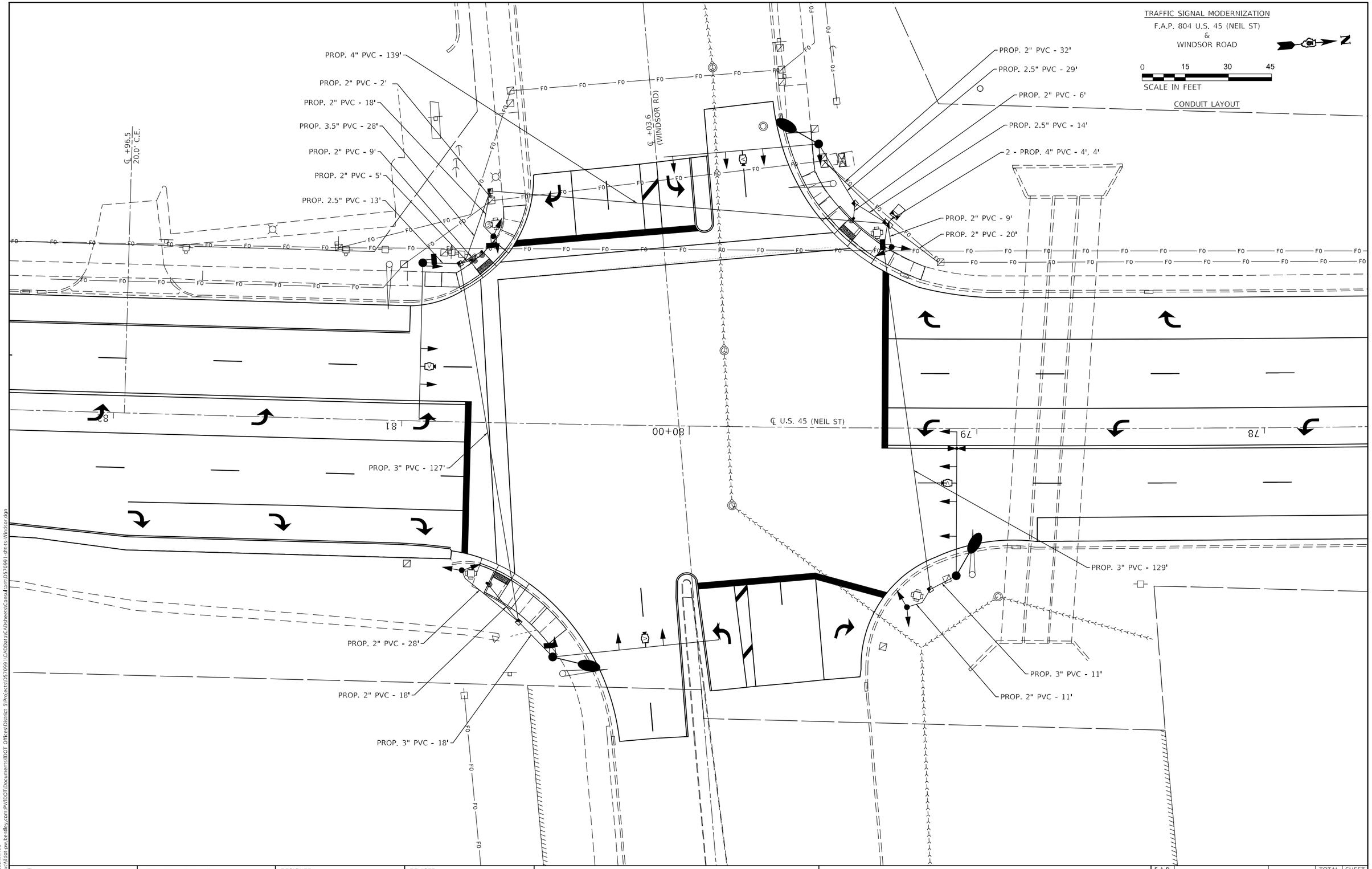
SCALE: 1" = 15' | SHEET 2 OF 5 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	259
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
WINDSOR ROAD

0 15 30 45
SCALE IN FEET

CONDUIT LAYOUT



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PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WINDSOR ROAD
CONDUIT LAYOUT

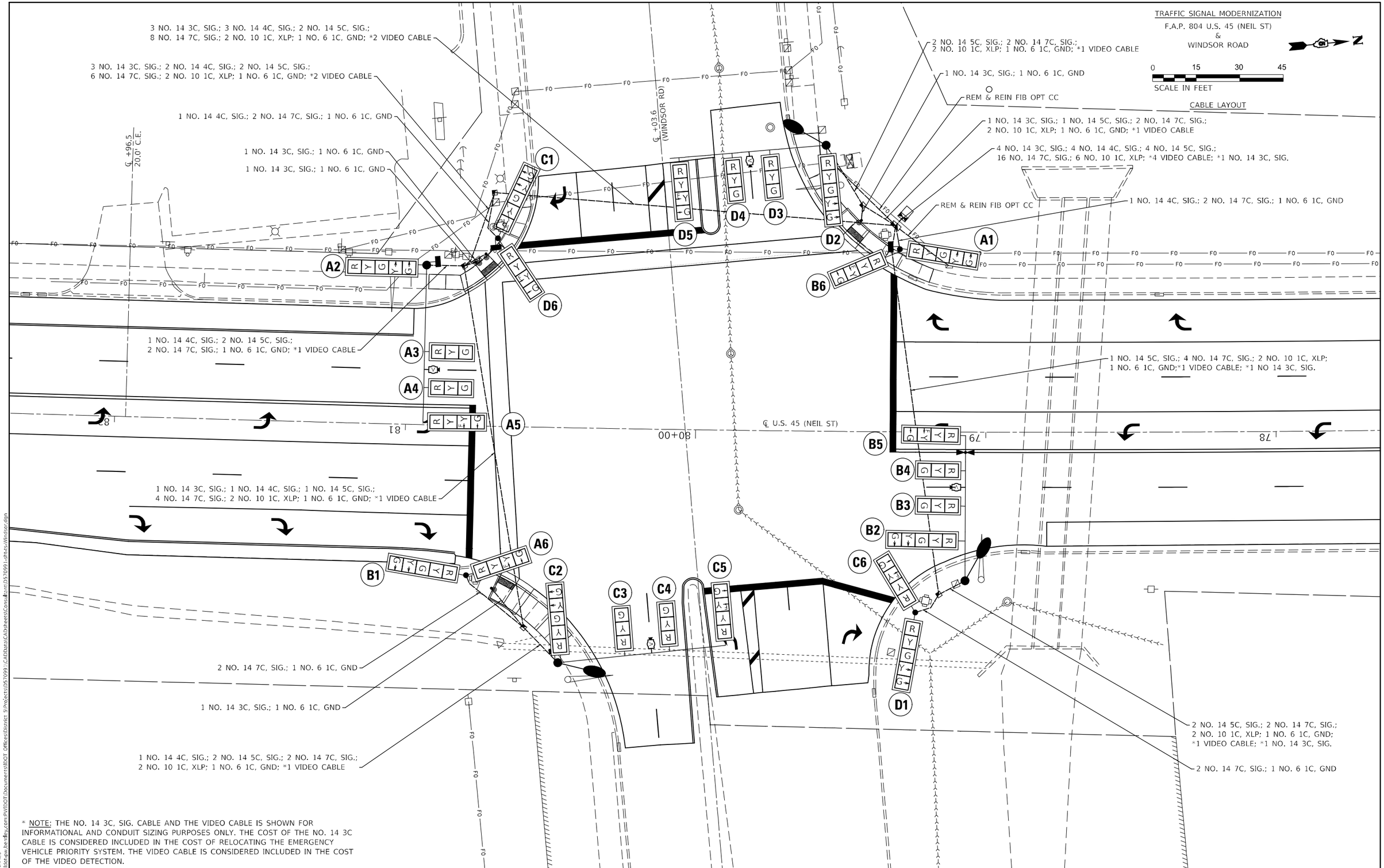
SCALE: 1" = 15' | SHEET 3 OF 5 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	260
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
WINDSOR ROAD

0 15 30 45
SCALE IN FEET

CABLE LAYOUT



* NOTE: THE NO. 14 3C, SIG. CABLE AND THE VIDEO CABLE IS SHOWN FOR INFORMATIONAL AND CONDUIT SIZING PURPOSES ONLY. THE COST OF THE NO. 14 3C CABLE IS CONSIDERED INCLUDED IN THE COST OF RELOCATING THE EMERGENCY VEHICLE PRIORITY SYSTEM. THE VIDEO CABLE IS CONSIDERED INCLUDED IN THE COST OF THE VIDEO DETECTION.

MODEL: $MODELNAME$
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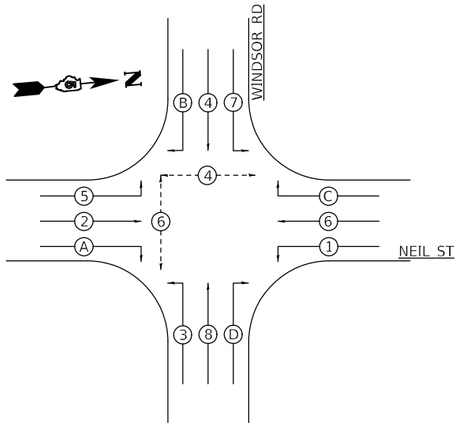
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WINDSOR ROAD
CABLE LAYOUT

SCALE: 1" = 15' | SHEET 4 OF 5 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	261
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

PHASE DESIGNATION DIAGRAM



81400100 HANDHOLE	
STA. 79+16 ; 56.0' RT	1 EACH
STA. 79+43 ; 78.0' LT	1 EACH
STA. 80+58 ; 69.0' RT	1 EACH
STA. 80+71 ; 80.5' LT	1 EACH
STA. 80+81 ; 55.0' LT	1 EACH
TOTAL =	5 EACH

81400300 DOUBLE HANDHOLE	
STA. 79+32 ; 71.0' LT	1 EACH

87502680 TRAFFIC SIGNAL POST A 14FT	
STA. 79+24 ; 62.2' RT	1 EACH
STA. 79+30 ; 62.9' LT	1 EACH
STA. 80+78 ; 51.5' RT	1 EACH
TOTAL =	3 EACH

87502700 TRAFFIC SIGNAL POST A 16FT	
STA. 80+70 ; 64.8 LT	1 EACH

87600200 PEDESTRIAN PUSH-BUTTON POST, TYPE II	
STA. 79+43 ; 72.8' LT	1 EACH
STA. 80+69 ; 55.8' RT	1 EACH
STA. 80+74 ; 59.3' LT	1 EACH
STA. 80+77 ; 56.3' LT	1 EACH
TOTAL =	4 EACH

87800100 CONCRETE FDN TY A	
STA. 79+24 ; 62.2' RT	3 FEET
STA. 79+30 ; 62.9' LT	3 FEET
STA. 80+70 ; 64.8' LT	3 FEET
STA. 80+78 ; 51.5' RT	3 FEET
TOTAL =	12 FEET

87800150 CONCRETE FDN TY C	
STA. 79+29 ; 74.0' LT	3 FEET

87800415 CONCRETE FDN TY E 36 IN	
STA. 79+07 ; 51.2' RT	15 FEET
STA. 79+56 ; 98.5' LT	15 FEET
STA. 80+46 ; 81.0' RT	21 FEET
STA. 80+94 ; 55.0' LT	15 FEET
TOTAL =	66 FEET

89502380 REMOVE EXISTING HANDHOLE	
STA. 79+10 ; 52.5' RT	1 EACH

89502385 REMOVE EXISTING CONCRETE FDN	
STA. 79+01 ; 50.8' RT	1 EACH
STA. 79+21 ; 58.2' RT	1 EACH
STA. 79+35 ; 67.8' LT	1 EACH
STA. 79+48 ; 93.0' LT	1 EACH
STA. 79+51 ; 84.8' LT	1 EACH
STA. 80+42 ; 86.8' RT	1 EACH
STA. 80+69 ; 69.1' LT	1 EACH
STA. 80+75 ; 52.6' RT	1 EACH
STA. 81+06 ; 54.1' LT	1 EACH
TOTAL =	9 EACH

BILL OF MATERIALS

NEIL STREET & WINDSOR ROAD

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	156
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	56
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	285
UNDERGROUND CONDUIT, PVC, 3 1/2" DIA.	FOOT	28
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	147
HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1,408
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	3
PAINT NEW TRAFFIC SIGNAL POST	EACH	4
PAINT NEW MAST ARM AND POLE, 40 FOOT AND OVER	EACH	1
PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER	EACH	3
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	837
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 4C	FOOT	830
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,334
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3,550
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	34
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	598
TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	3
TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	1
PEDESTRIAN PUSH-BUTTON POST, TYPE II	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	3
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	66
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	8
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	24
RELOCATE EXISTING ILLUMINATED SIGN	EACH	4
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
REMOVE AND REINSTALL FIBER OPTIC CABLE IN CONDUIT	FOOT	159
SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1
PAINT NEW PEDESTRIAN PUSH-BUTTON POST	EACH	4
FIBER OPTIC FUSION SPLICE	EACH	1
ETHERNET SWITCH	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 58 FT. (SPECIAL)	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1
VIDEO VEHICLE DETECTION SYSTEM COMPLETE	EACH	1
RELOCATE EXISTING PTZ CAMERA	EACH	1

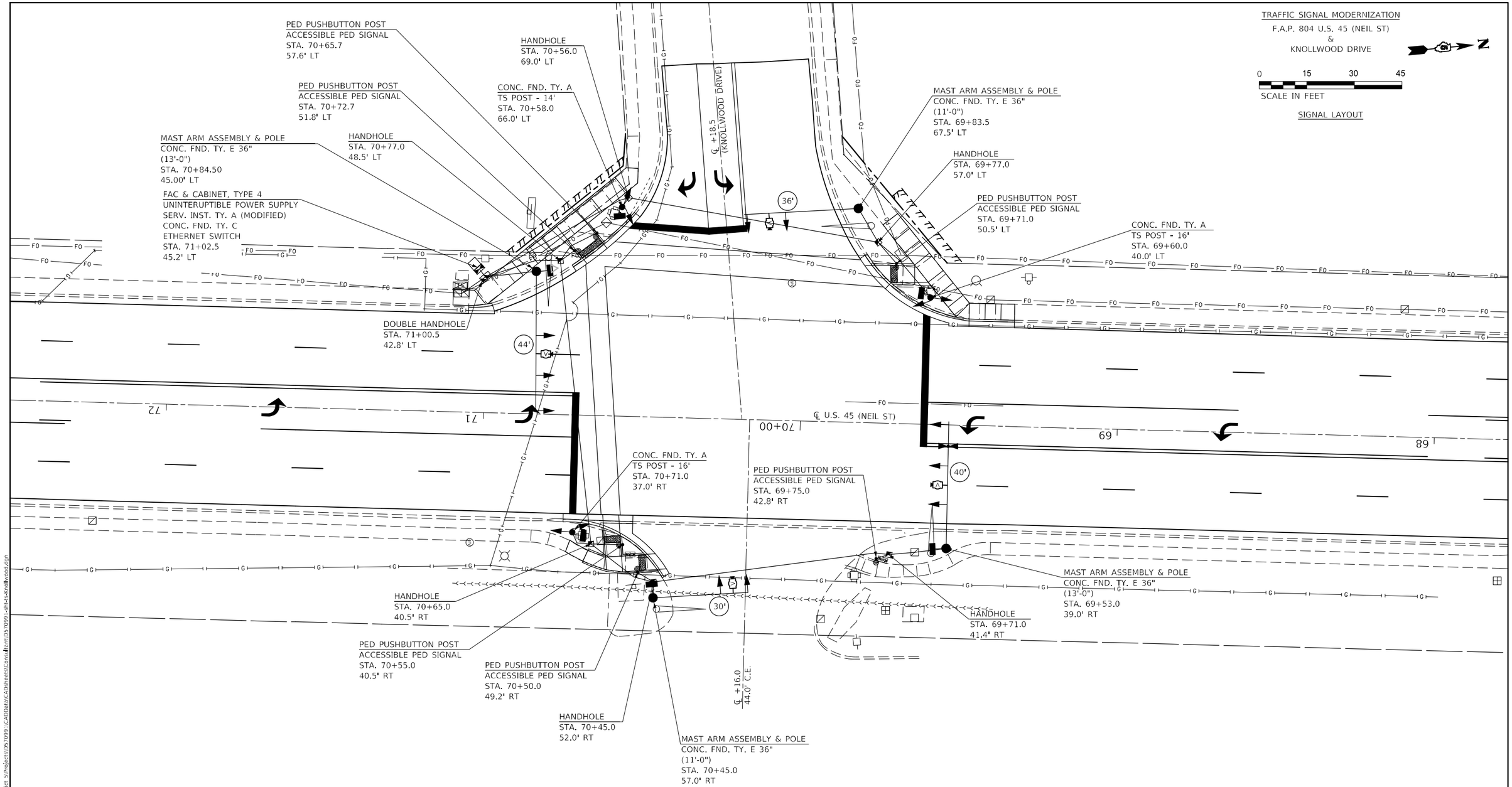
GENERAL NOTES

1. THE FOLLOWING SIGNAL HEADS SHALL BE WIRED IN PARALLEL AT THE MAST ARM POLE HANDHOLE: (A3, A4), (B3, B4), (C3, C4), (D3, D4) - EACH MAST ARM MOUNTED SIGNAL HEAD SHALL HAVE ITS OWN INDIVIDUAL CABLE FROM THE MAST POLE HANDHOLE TO THE SIGNAL HEAD.

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
KNOLLWOOD DRIVE

0 15 30 45
SCALE IN FEET

SIGNAL LAYOUT



NOTE

1. PER DISTRICT REQUEST STATION CALLOUTS ON THE WEST SIDE OF THE ROAD ARE LABELED LT AND THE EAST SIDE OF THE ROAD ARE LABELED RT.

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PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

KNOLLWOOD DRIVE
SIGNAL LAYOUT

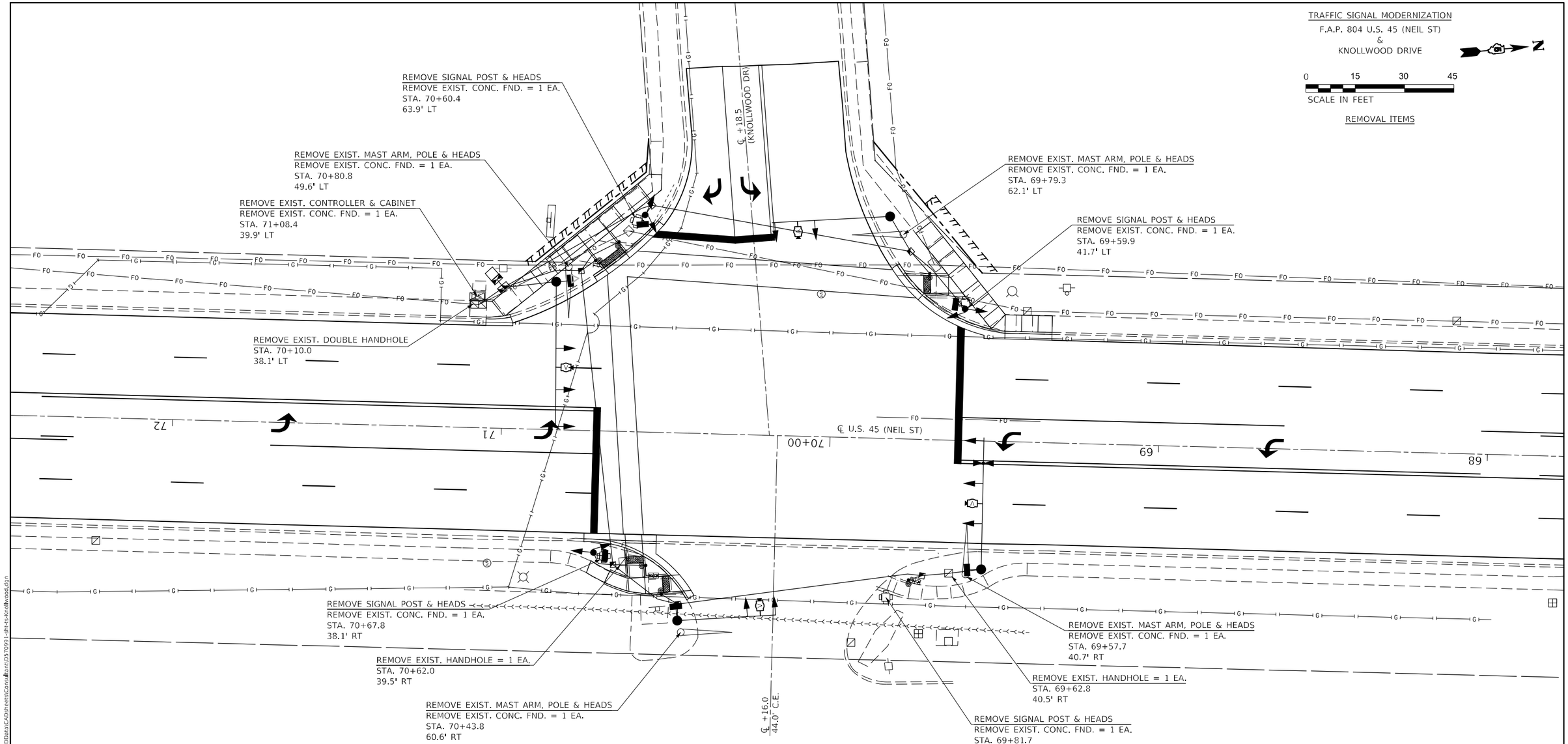
SCALE: 1" = 15' | SHEET 1 OF 5 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	263
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
KNOLLWOOD DRIVE

0 15 30 45
SCALE IN FEET

REMOVAL ITEMS



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

KNOLLWOOD DRIVE
REMOVAL ITEMS

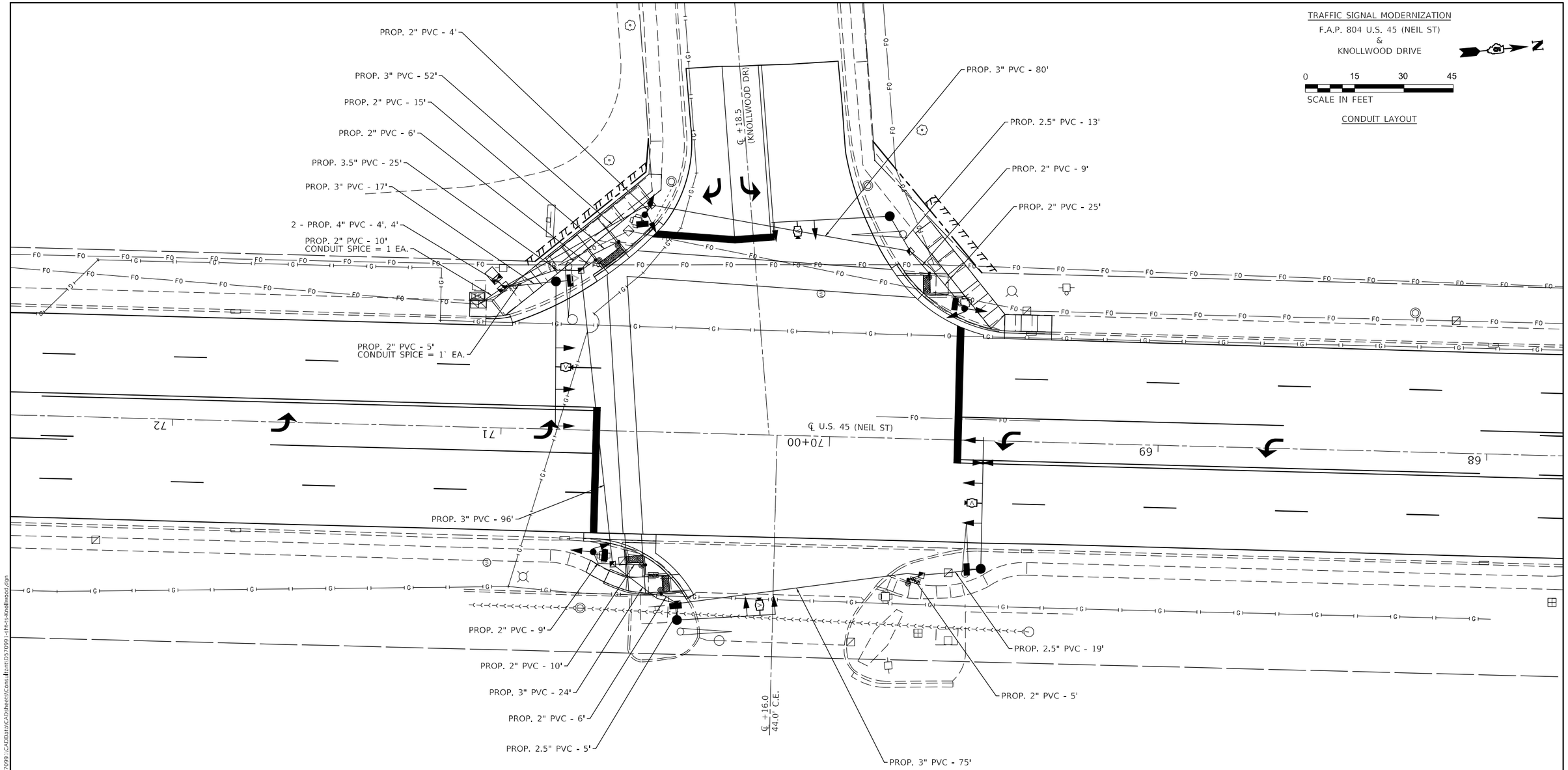
SCALE: 1" = 15' | SHEET 2 OF 5 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	264
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
KNOLLWOOD DRIVE

0 15 30 45
SCALE IN FEET

CONDUIT LAYOUT



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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

KNOLLWOOD DRIVE
CONDUIT LAYOUT

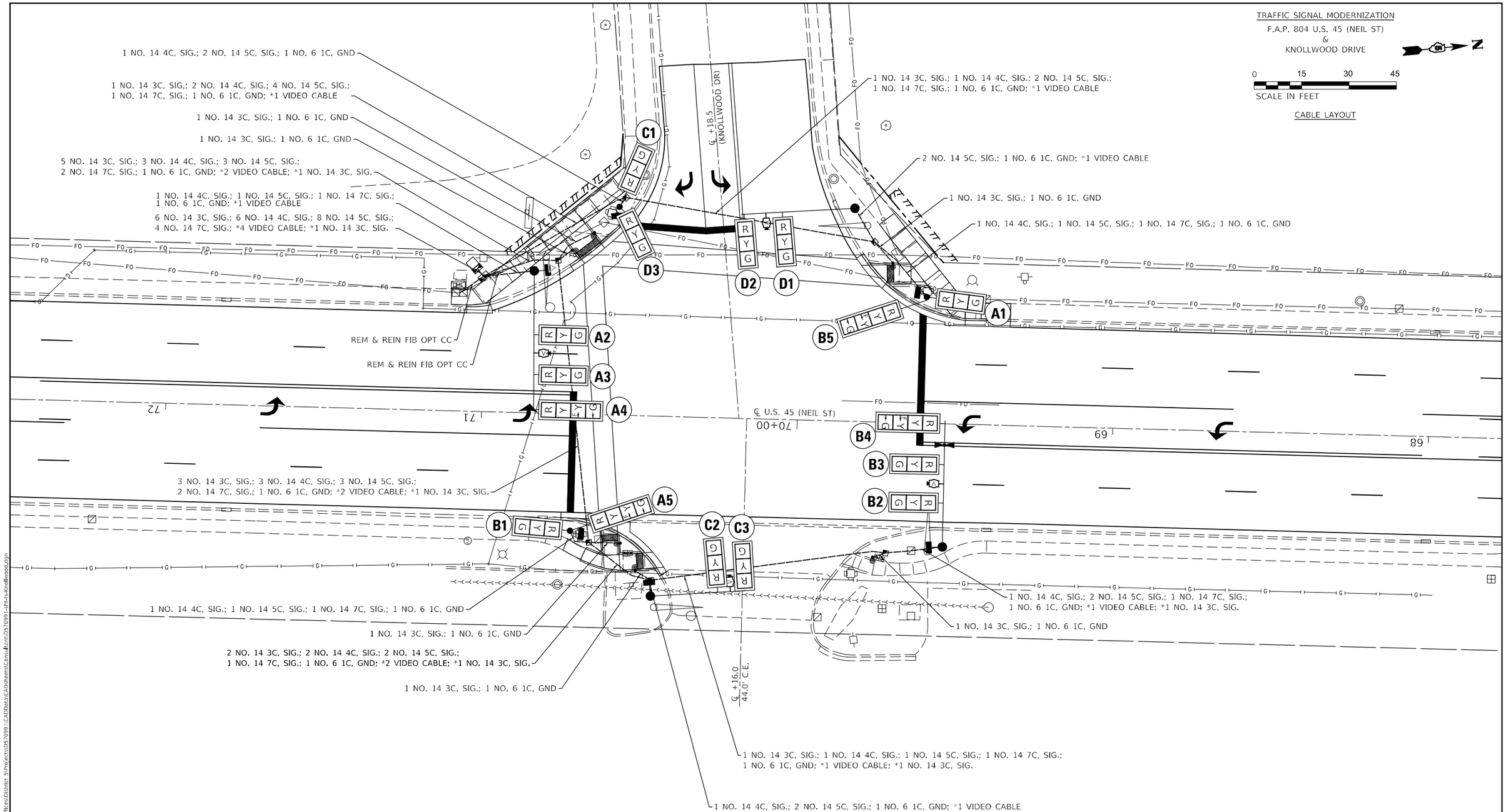
SCALE: 1" = 15' | SHEET 3 OF 5 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	265
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
KNOLLWOOD DRIVE

0 15 30 45
SCALE IN FEET

CABLE LAYOUT



* NOTE: THE NO. 14 3C, SIG. CABLE AND THE VIDEO CABLE IS SHOWN FOR INFORMATIONAL AND CONDUIT SIZING PURPOSES ONLY. THE COST OF THE NO. 14 3C CABLE IS CONSIDERED INCLUDED IN THE COST OF RELOCATING THE EMERGENCY VEHICLE PRIORITY SYSTEM. THE VIDEO CABLE IS CONSIDERED INCLUDED IN THE COST OF THE VIDEO DETECTION.

MODEL: $MODEL$NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\057099\CADData\CADsheets\Consultant\057099-sht-s-Knollwood.dgn

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USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/26/2024	DATE -	REVISED -

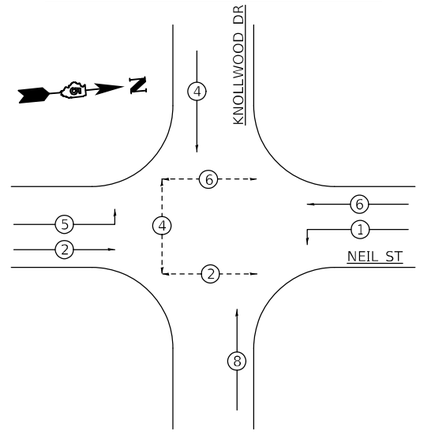
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

KNOLLWOOD DRIVE
CABLE LAYOUT

SCALE: 1" = 15' | SHEET 4 OF 5 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	266
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

PHASE DESIGNATION DIAGRAM



81400100 HANDHOLE	
STA. 69+71 ; 41.4' RT	1 EACH
STA. 69+77 ; 57.0' LT	1 EACH
STA. 70+45 ; 52.0' RT	1 EACH
STA. 70+56 ; 69.0' LT	1 EACH
STA. 70+65 ; 40.5' RT	1 EACH
STA. 70+77 ; 48.5' LT	1 EACH
TOTAL =	6 EACH

81400300 DOUBLE HANDHOLE	
STA. 71+01 ; 42.8' LT	1 EACH

87502680 TRAFFIC SIGNAL POST A 14FT	
STA. 70+58 ; 66.0' LT	1 EACH

87502700 TRAFFIC SIGNAL POST A 16FT	
STA. 69+60 ; 40.0' LT	1 EACH
STA. 70+71 ; 37.0' RT	1 EACH
TOTAL =	2 EACH

87600200 PEDESTRIAN PUSH-BUTTON POST, TYPE II	
STA. 69+71 ; 50.5' LT	1 EACH
STA. 69+75 ; 42.8' RT	1 EACH
STA. 70+50 ; 49.2' RT	1 EACH
STA. 70+55 ; 40.5' RT	1 EACH
STA. 70+66 ; 57.6' LT	1 EACH
STA. 70+73 ; 51.8' LT	1 EACH
TOTAL =	6 EACH

87800100 CONCRETE FDN TY A	
STA. 69+60 ; 40.0' LT	3 FEET
STA. 70+58 ; 66.0' LT	3 FEET
STA. 70+71 ; 37.0' RT	3 FEET
TOTAL =	9 FEET

87800150 CONCRETE FDN TY C	
STA. 71+03 ; 45.2' LT	3 FEET

87800415 CONCRETE FDN TY E 36 IN	
STA. 69+53 ; 39.0' RT	13 FEET
STA. 69+84 ; 67.5' LT	11 FEET
STA. 70+45 ; 57.0' RT	11 FEET
STA. 70+85 ; 45.0' LT	13 FEET
TOTAL =	48 FEET

89502380 REMOVE EXISTING HANDHOLE	
STA. 69+63 ; 40.5' RT	1 EACH
STA. 70+62 ; 39.5' RT	1 EACH
STA. 70+63 ; 60.9' LT	1 EACH
TOTAL =	3 EACH

89502385 REMOVE EXISTING CONCRETE FDN	
STA. 69+58 ; 40.7' RT	1 EACH
STA. 69+60 ; 41.7' LT	1 EACH
STA. 69+79 ; 62.1' LT	1 EACH
STA. 69+82 ; 48.3' RT	1 EACH
STA. 70+44 ; 60.6' RT	1 EACH
STA. 70+60 ; 63.9' LT	1 EACH
STA. 70+68 ; 38.1' RT	1 EACH
STA. 70+81 ; 49.6' LT	1 EACH
STA. 71+08 ; 39.9' LT	1 EACH
TOTAL =	9 EACH

BILL OF MATERIALS

NEIL STREET & KNOLLWOOD DRIVE

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	104
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	37
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	344
UNDERGROUND CONDUIT, PVC, 3 1/2" DIA.	FOOT	25
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	8
HANDHOLE	EACH	6
DOUBLE HANDHOLE	EACH	1
PAINT NEW TRAFFIC SIGNAL POST	EACH	3
PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT	EACH	2
PAINT NEW MAST ARM AND POLE, 40 FOOT AND OVER	EACH	2
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	950
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 4C	FOOT	1,006
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,724
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	812
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	15
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	481
TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	2
PEDESTRIAN PUSH-BUTTON POST, TYPE II	EACH	6
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	9
CONCRETE FOUNDATION, TYPE C	FOOT	3
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	48
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	6
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	16
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	3
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
REMOVE AND REINSTALL FIBER OPTIC CABLE IN CONDUIT	FOOT	419
SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
PAINT NEW PEDESTRIAN PUSH-BUTTON POST	EACH	6
FIBER OPTIC FUSION SPLICE	EACH	1
ETHERNET SWITCH	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1
VIDEO VEHICLE DETECTION SYSTEM COMPLETE	EACH	1
CONDUIT SPLICE	EACH	2

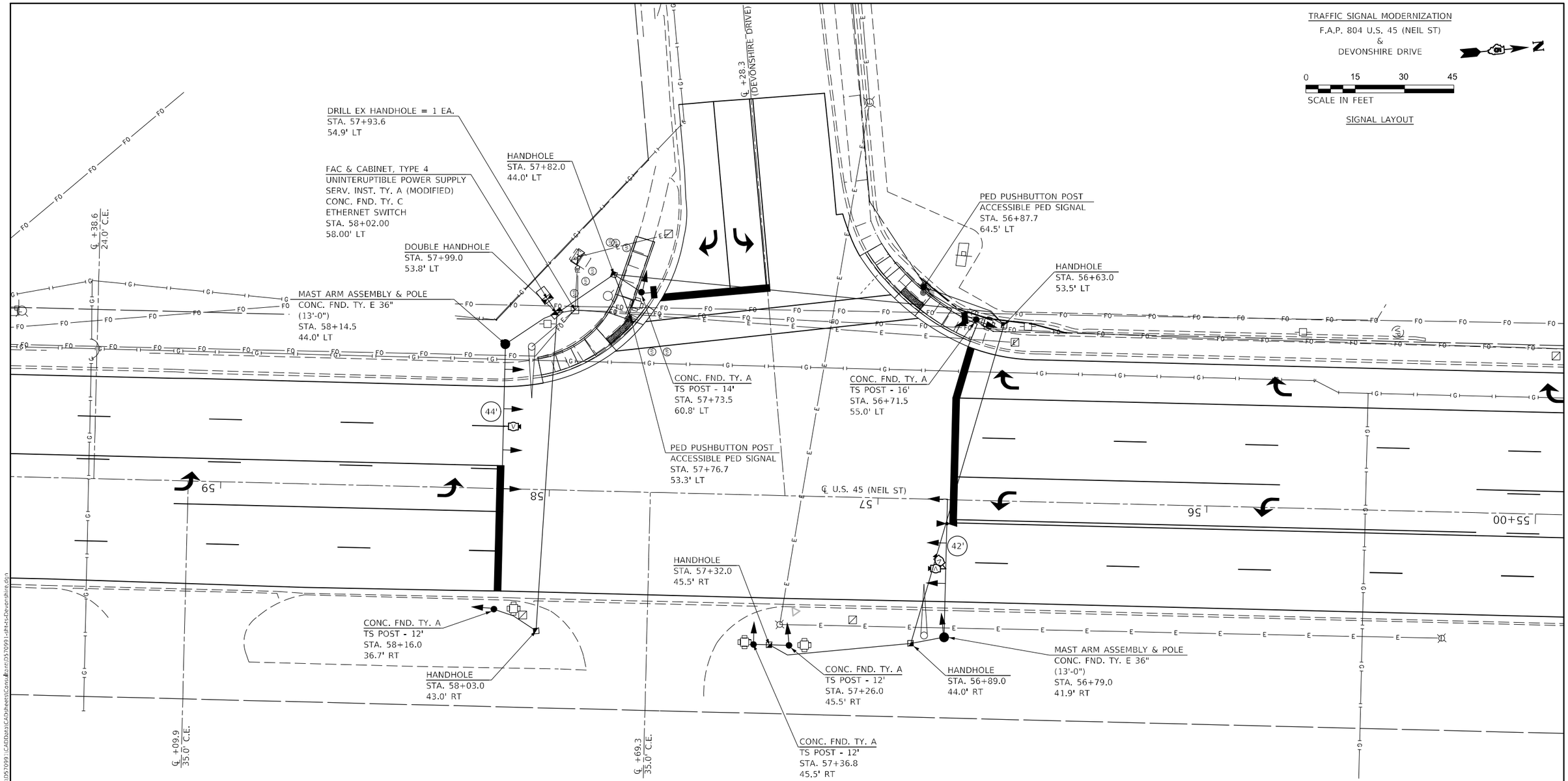
GENERAL NOTES

1. THE FOLLOWING SIGNAL HEADS SHALL BE WIRED IN PARALLEL AT THE MAST ARM POLE HANDHOLE: (A2, A3), (B2, B3), (C2, C3), (D1, D2) - EACH MAST ARM MOUNTED SIGNAL HEAD SHALL HAVE ITS OWN INDIVIDUAL CABLE FROM THE MAST POLE HANDHOLE TO THE SIGNAL HEAD.

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
DEVONSHIRE DRIVE

0 15 30 45
SCALE IN FEET

SIGNAL LAYOUT



NOTE

1. PER DISTRICT REQUEST STATION CALLOUTS ON THE WEST SIDE OF THE ROAD ARE LABELED LT AND THE EAST SIDE OF THE ROAD ARE LABELED RT.

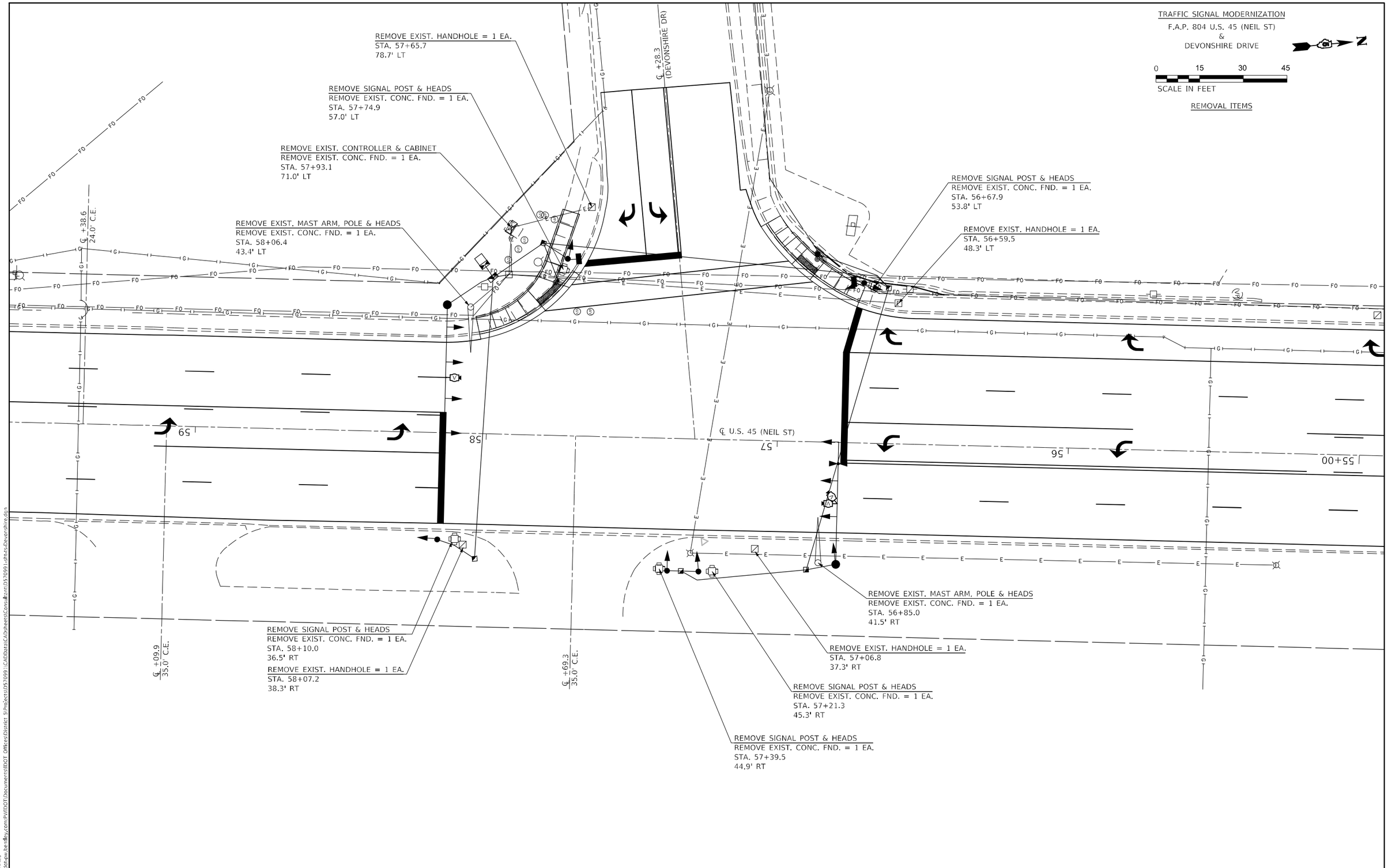
MODEL: $MODEL$NAME
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57099 1\CADData\CADsheets\ConstUnit\D57099-1-SH-1-Devonshire.dgn

OATES ASSOCIATES www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DEVONSHIRE DRIVE SIGNAL LAYOUT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			804	25RS-6	CHAMPAIGN	306 / 268
	PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 70991	
	PLOT DATE = 6/26/2024	DATE -	REVISED -		SCALE: 1" = 15' SHEET 1 OF 5 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
DEVONSHIRE DRIVE

0 15 30 45
SCALE IN FEET

REMOVAL ITEMS



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USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEVONSHIRE DRIVE
REMOVAL ITEMS

SCALE: 1" = 15' | SHEET 2 OF 5 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	269

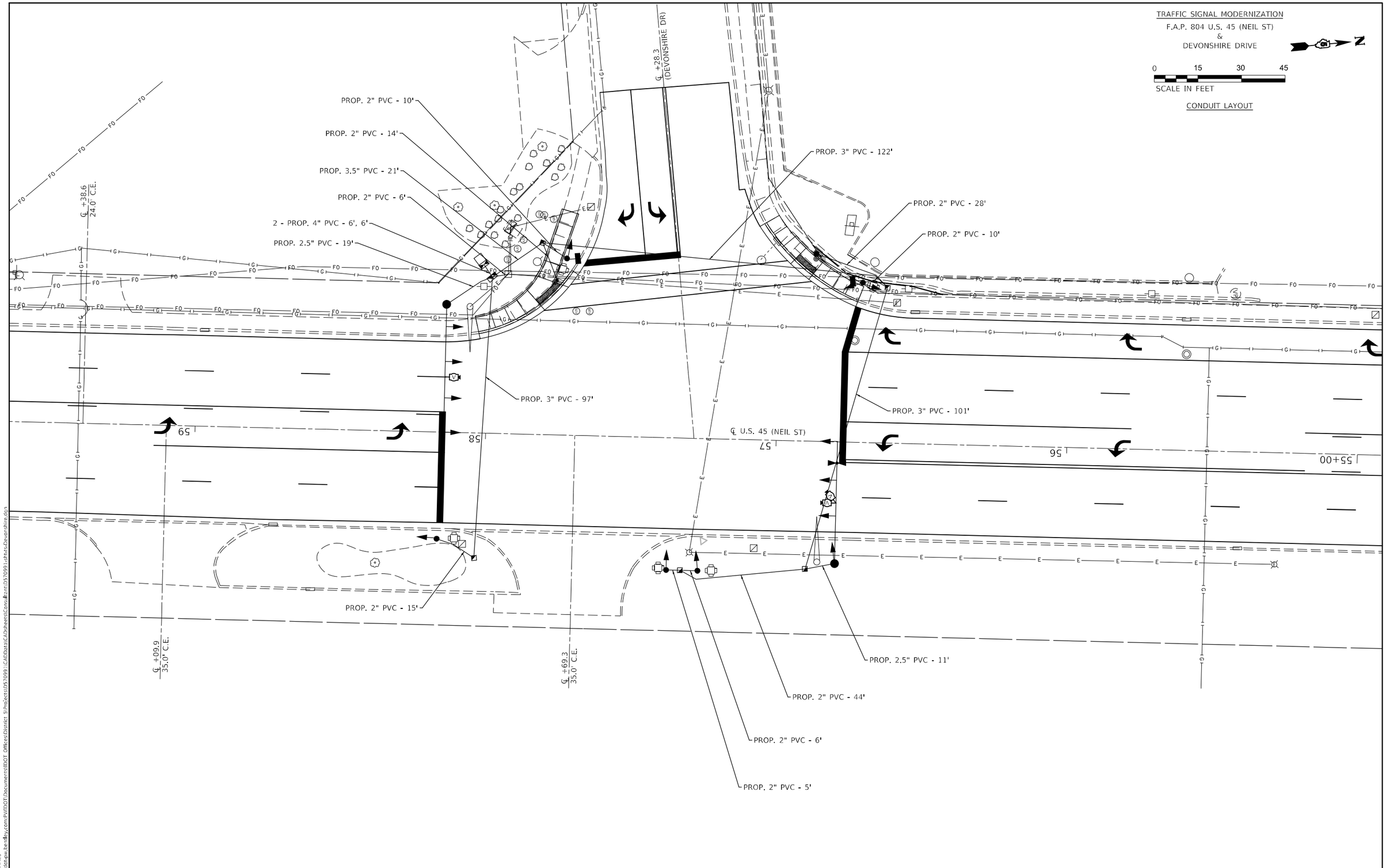
CONTRACT NO. 70991

ILLINOIS FED. AID PROJECT

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
DEVONSHIRE DRIVE

0 15 30 45
SCALE IN FEET

CONDUIT LAYOUT



MODEL: $MODELNAME$
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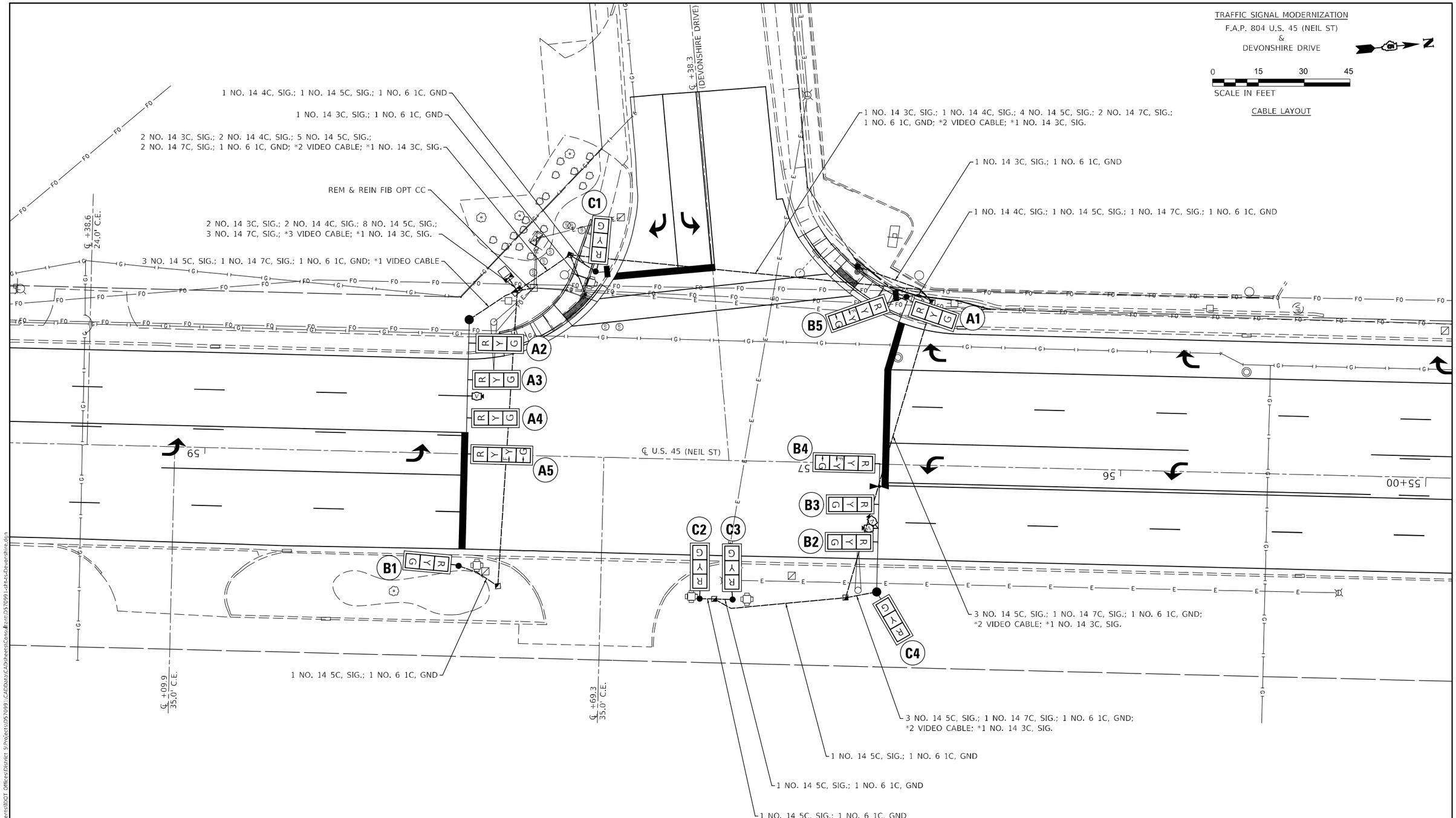
OATES ASSOCIATES www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DEVONSHIRE DRIVE CONDUIT LAYOUT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			804	25RS-6	CHAMPAIGN	306	270
	PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 70991		
	PLOT DATE = 6/26/2024	DATE -	REVISED -		SCALE: 1" = 15' SHEET 3 OF 5 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
DEVONSHIRE DRIVE

0 15 30 45
SCALE IN FEET

CABLE LAYOUT

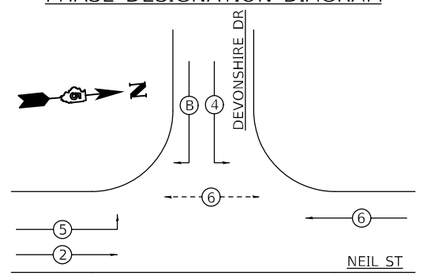


* NOTE: THE NO. 14 3C, SIG. CABLE AND THE VIDEO CABLE IS SHOWN FOR INFORMATIONAL AND CONDUIT SIZING PURPOSES ONLY. THE COST OF THE NO. 14 3C CABLE IS CONSIDERED INCLUDED IN THE COST OF RELOCATING THE EMERGENCY VEHICLE PRIORITY SYSTEM. THE VIDEO CABLE IS CONSIDERED INCLUDED IN THE COST OF THE VIDEO DETECTION.

MODEL: $MODEL$NAME
FILE NAME: pw:\\illid-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57099 1\CADData\CADsheets\Consultant\D57099-sht-1-Devonshire.dgn

OATES ASSOCIATES www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DEVONSHIRE DRIVE CABLE LAYOUT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			804	25RS-6	CHAMPAIGN	306 / 271
	PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 70991	
	PLOT DATE = 6/26/2024	DATE -	REVISED -		SCALE: 1" = 15' SHEET 4 OF 5 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT	

PHASE DESIGNATION DIAGRAM



81400100 HANDHOLE	
STA. 56+63 ; 53.5' LT	1 EACH
STA. 56+89 ; 44.0' RT	1 EACH
STA. 57+32 ; 45.5' RT	1 EACH
STA. 57+82 ; 44.0' LT	1 EACH
STA. 58+03 ; 43.0' RT	1 EACH
TOTAL =	5 EACH

81400300 DOUBLE HANDHOLE	
STA. 57+99 ; 53.8' LT	1 EACH

87502660 TRAFFIC SIGNAL POST A 12FT	
STA. 57+26 ; 45.5' RT	1 EACH
STA. 57+37 ; 45.5' RT	1 EACH
STA. 58+16 ; 36.7' RT	1 EACH
TOTAL =	3 EACH

87502680 TRAFFIC SIGNAL POST A 14FT	
STA. 57+74 ; 60.8' LT	1 EACH

87502700 TRAFFIC SIGNAL POST A 16FT	
STA. 56+72 ; 55.0' LT	1 EACH

87600200 PEDESTRIAN PUSH-BUTTON POST, TYPE II	
STA. 56+88 ; 64.5' LT	1 EACH
STA. 57+77 ; 53.3' LT	1 EACH
TOTAL =	2 EACH

87800100 CONCRETE FDN TY A	
STA. 56+72 ; 55.0' LT	3 FEET
STA. 57+26 ; 45.5' RT	3 FEET
STA. 57+37 ; 45.5' RT	3 FEET
STA. 57+74 ; 60.8' LT	3 FEET
STA. 58+16 ; 36.7' RT	3 FEET
TOTAL =	15 FEET

87800150 CONCRETE FDN TY C	
STA. 58+02 ; 58.0' LT	3 FEET

87800415 CONCRETE FDN TY E 36 IN	
STA. 56+79 ; 41.9' RT	13 FEET
STA. 58+15 ; 44.0' LT	13 FEET
TOTAL =	26 FEET

89502380 REMOVE EXISTING HANDHOLE	
STA. 56+60 ; 48.3' LT	1 EACH
STA. 57+07 ; 37.3' RT	1 EACH
STA. 57+66 ; 78.7' LT	1 EACH
STA. 58+07 ; 38.3' RT	1 EACH
TOTAL =	4 EACH

89502385 REMOVE EXISTING CONCRETE FDN	
STA. 56+68 ; 53.8' LT	1 EACH
STA. 56+85 ; 41.5' RT	1 EACH
STA. 57+21 ; 45.3' RT	1 EACH
STA. 57+40 ; 44.9' RT	1 EACH
STA. 57+75 ; 57.0' LT	1 EACH
STA. 57+93 ; 71.0' LT	1 EACH
STA. 58+06 ; 43.4' LT	1 EACH
STA. 58+10 ; 36.5' RT	1 EACH
TOTAL =	8 EACH

BILL OF MATERIALS

NEIL STREET & DEVONSHIRE DRIVE

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	138
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	30
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	320
UNDERGROUND CONDUIT, PVC, 3 1/2" DIA.	FOOT	21
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	12
HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	1
PAINT NEW TRAFFIC SIGNAL POST	EACH	5
PAINT NEW MAST ARM AND POLE, 40 FOOT AND OVER	EACH	2
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	263
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 4C	FOOT	273
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,088
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	663
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	23
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	498
TRAFFIC SIGNAL POST, ALUMINUM 12 FT.	EACH	3
TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	1
PEDESTRIAN PUSH-BUTTON POST, TYPE II	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	15
CONCRETE FOUNDATION, TYPE C	FOOT	3
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	14
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	4
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
REMOVE AND REINSTALL FIBER OPTIC CABLE IN CONDUIT	FOOT	21
SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1
PAINT NEW PEDESTRIAN PUSH-BUTTON POST	EACH	2
ETHERNET SWITCH	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1
VIDEO VEHICLE DETECTION SYSTEM COMPLETE	EACH	1

GENERAL NOTES

1. THE FOLLOWING SIGNAL HEADS SHALL BE WIRED IN PARALLEL AT THE MAST ARM POLE HANDHOLE: (A3, A4), (B2, B3), (C2, C3) - EACH MAST ARM MOUNTED SIGNAL HEAD SHALL HAVE ITS OWN INDIVIDUAL CABLE FROM THE MAST POLE HANDHOLE TO THE SIGNAL HEAD.

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570991\CADData\CADsheets\Construction\D570991-sht-t-d-devonshire.dgn

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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEVONSHIRE – PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES & BILL OF MATERIALS

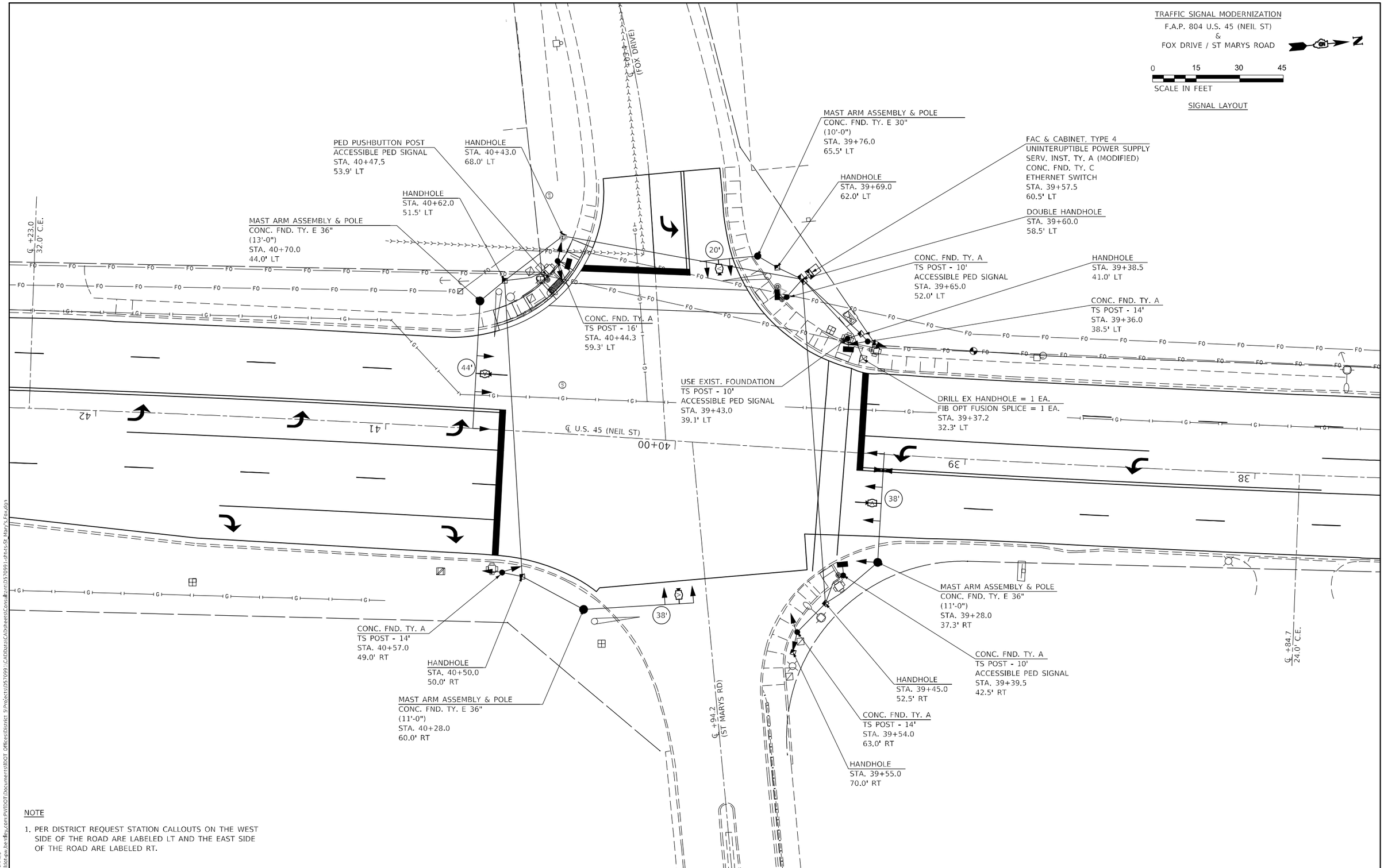
SCALE: 1" = 15' | SHEET 5 OF 5 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	272
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
FOX DRIVE / ST MARYS ROAD

0 15 30 45
SCALE IN FEET

SIGNAL LAYOUT



NOTE

1. PER DISTRICT REQUEST STATION CALLOUTS ON THE WEST SIDE OF THE ROAD ARE LABELED LT AND THE EAST SIDE OF THE ROAD ARE LABELED RT.

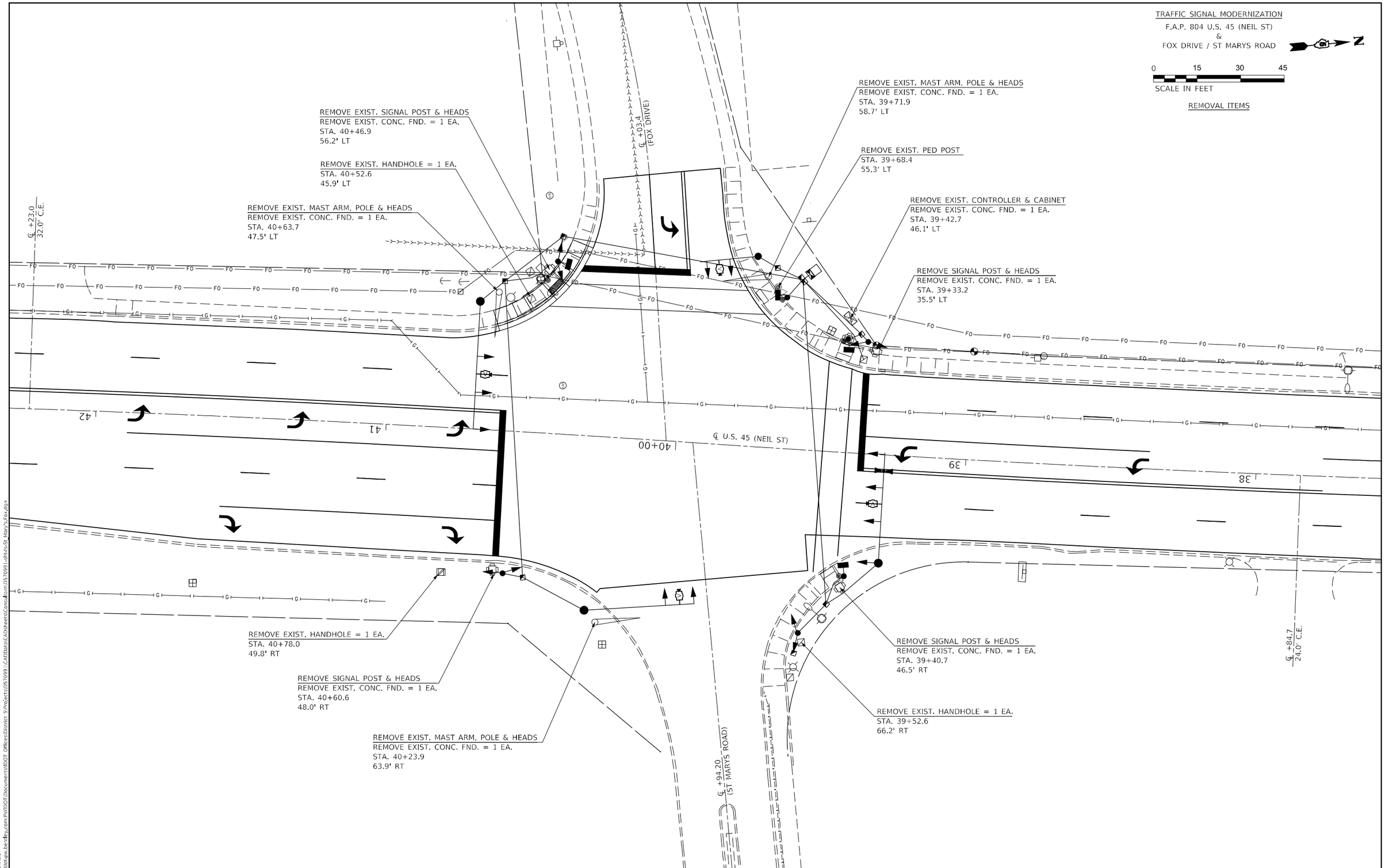
MODEL: $MODELNAME
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57099 (CAD)\data\CAD sheets\Consultant\D57099-sht-ts-St Marys Fox.dgn

OATES ASSOCIATES www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FOX DRIVE /ST MARYS ROAD SIGNAL LAYOUT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			804	25RS-6	CHAMPAIGN	306	273
	PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 70991				
	PLOT DATE = 6/26/2024	DATE -	REVISED -		SCALE: 1" = 15' SHEET 1 OF 5 SHEETS STA. TO STA.	ILLINOIS	FED. AID PROJECT			

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
FOX DRIVE / ST MARYS ROAD

0 15 30 45
SCALE IN FEET

REMOVAL ITEMS



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PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOX DRIVE /ST MARYS ROAD
REMOVAL ITEMS

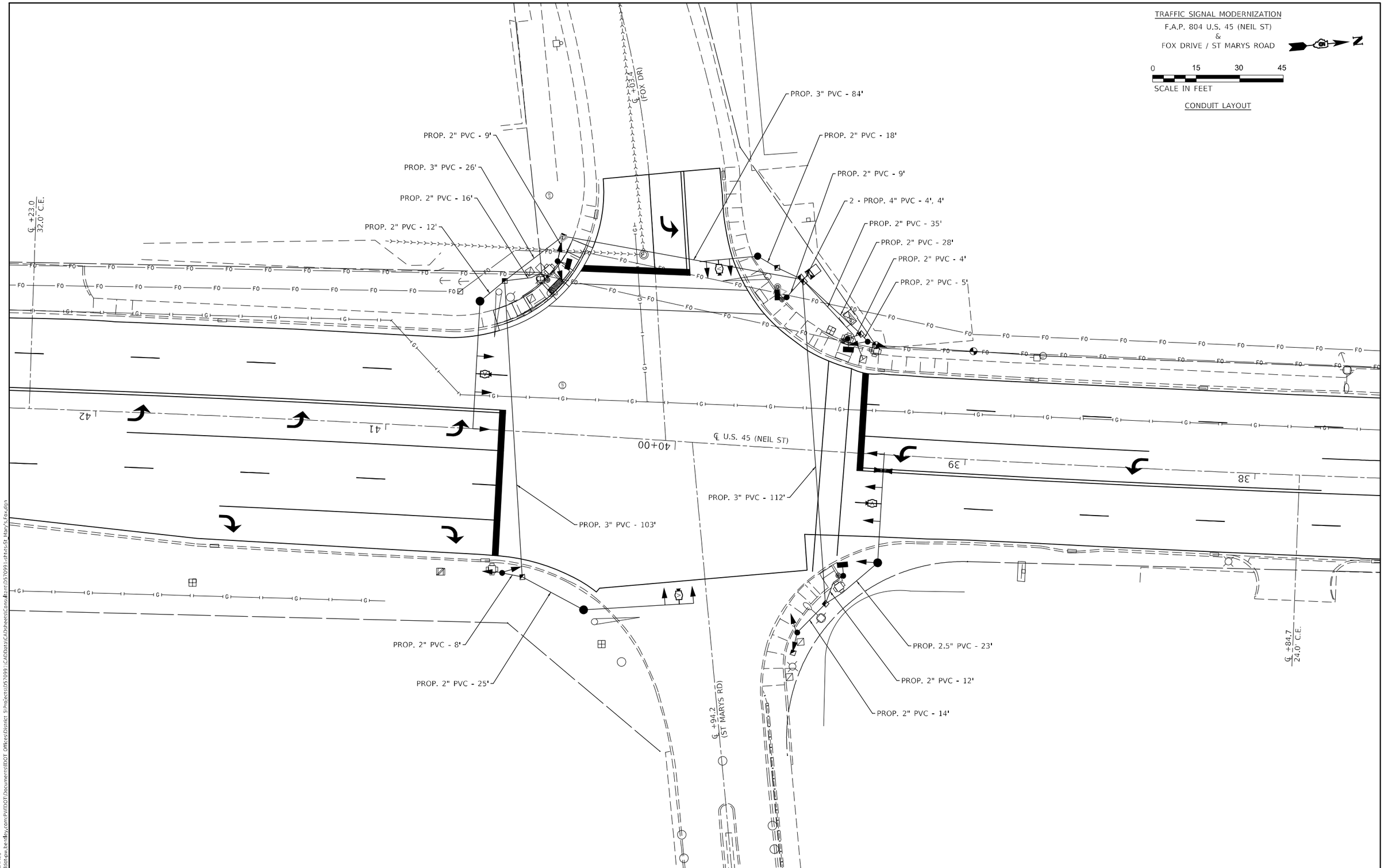
SCALE: 1" = 15' | SHEET 2 OF 5 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	274
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
FOX DRIVE / ST MARYS ROAD

0 15 30 45
SCALE IN FEET

CONDUIT LAYOUT



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PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOX DRIVE /ST MARYS ROAD
CONDUIT LAYOUT

SCALE: 1" = 15' | SHEET 3 OF 5 SHEETS | STA. TO STA.

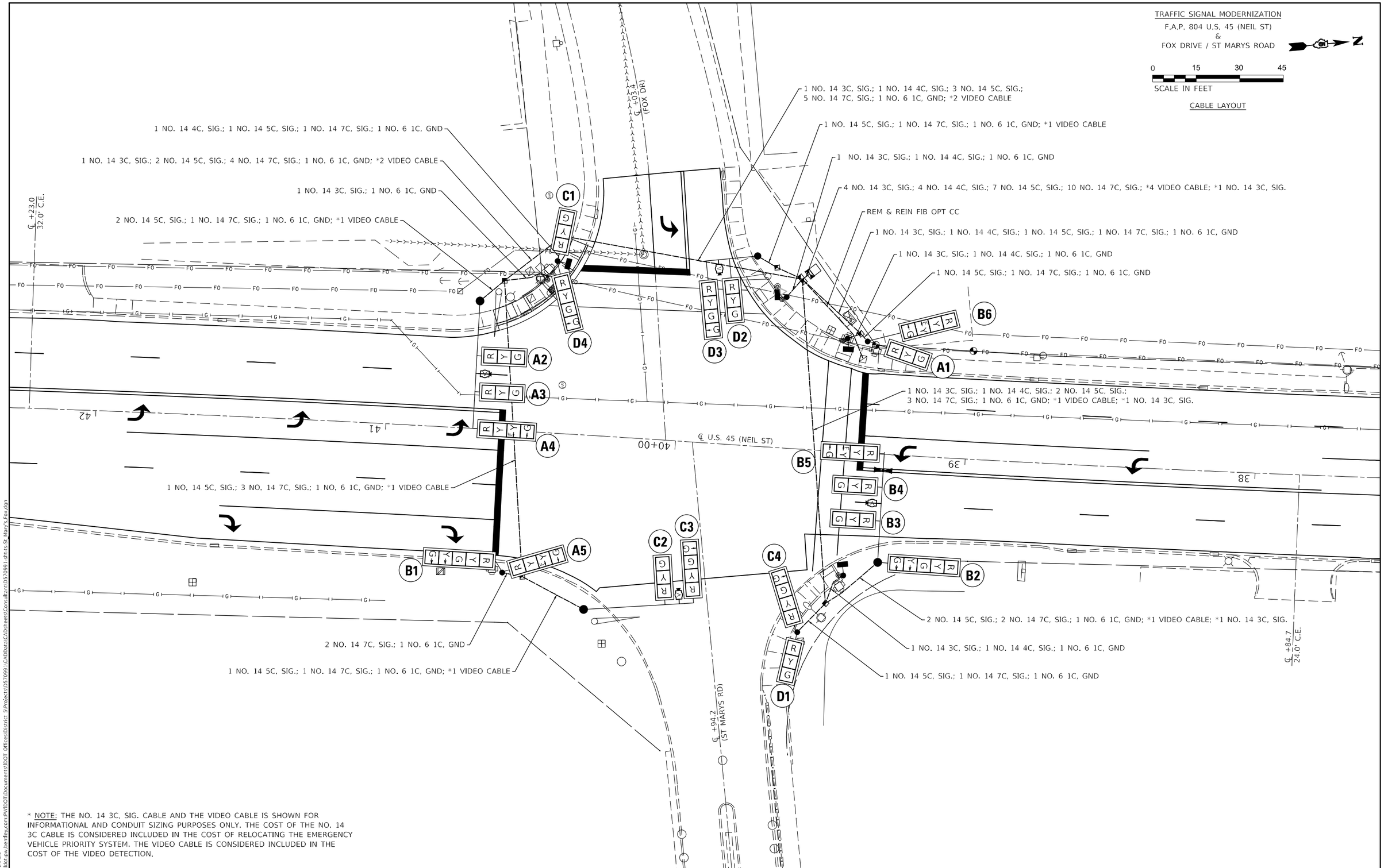
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	275

CONTRACT NO. 70991
ILLINOIS | FED. AID PROJECT

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
FOX DRIVE / ST MARYS ROAD

0 15 30 45
SCALE IN FEET

CABLE LAYOUT



* NOTE: THE NO. 14 3C, SIG. CABLE AND THE VIDEO CABLE IS SHOWN FOR INFORMATIONAL AND CONDUIT SIZING PURPOSES ONLY. THE COST OF THE NO. 14 3C CABLE IS CONSIDERED INCLUDED IN THE COST OF RELOCATING THE EMERGENCY VEHICLE PRIORITY SYSTEM. THE VIDEO CABLE IS CONSIDERED INCLUDED IN THE COST OF THE VIDEO DETECTION.

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PLOT DATE = 6/26/2024	DATE -	REVISED -	

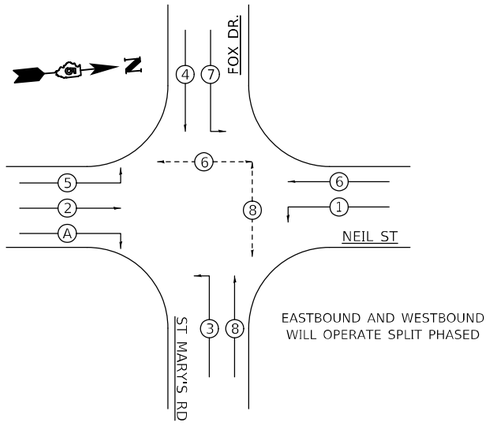
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOX DRIVE /ST MARYS ROAD
CABLE LAYOUT

SCALE: 1" = 15' | SHEET 4 OF 5 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	276
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

PHASE DESIGNATION DIAGRAM



81400100 HANDHOLE	
STA. 39+39 ; 41.0' LT	1 EACH
STA. 39+45 ; 52.5' RT	1 EACH
STA. 39+55 ; 70.0' RT	1 EACH
STA. 39+69 ; 62.0' LT	1 EACH
STA. 40+43 ; 68.0' LT	1 EACH
STA. 40+50 ; 50.0' RT	1 EACH
STA. 40+62 ; 51.5' LT	1 EACH
TOTAL =	7 EACH

81400300 DOUBLE HANDHOLE	
STA. 39+60 ; 58.5' LT	1 EACH

87502640 TRAFFIC SIGNAL POST A 10FT	
STA. 39+39 ; 42.5' RT	1 EACH
STA. 39+43 ; 39.1' LT	1 EACH
STA. 39+65 ; 52.0' LT	1 EACH

87502680 TRAFFIC SIGNAL POST A 14FT	
STA. 39+36 ; 38.5' LT	1 EACH
STA. 39+54 ; 63.0' RT	1 EACH
STA. 40+57 ; 49.0' RT	1 EACH
TOTAL =	3 EACH

87502700 TRAFFIC SIGNAL POST A 16FT	
STA. 40+44 ; 59.3' LT	1 EACH

87600200 PEDESTRIAN PUSH-BUTTON POST, TYPE II	
STA. 40+48 ; 53.9' LT	1 EACH

87800100 CONCRETE FDN TY A	
STA. 39+36 ; 38.5' LT	3 FEET
STA. 39+39 ; 42.5' RT	3 FEET
STA. 39+54 ; 63.0' RT	3 FEET
STA. 39+65 ; 52.0' LT	3 FEET
STA. 40+44 ; 59.3' LT	3 FEET
STA. 40+57 ; 49.0' RT	3 FEET
TOTAL =	18 FEET

87800150 CONCRETE FDN TY C	
STA. 39+58 ; 60.5' LT	3 FEET

87800400 CONCRETE FDN TY E 30 IN	
STA. 39+76 ; 65.5' LT	10 FEET

87800415 CONCRETE FDN TY E 36 IN	
STA. 39+28 ; 37.3' RT	11 FEET
STA. 40+28 ; 60.0' RT	11 FEET
STA. 40+70 ; 44.0' LT	13 FEET
TOTAL =	35 FEET

89502380 REMOVE EXISTING HANDHOLE	
STA. 39+53 ; 66.2' RT	1 EACH
STA. 40+53 ; 45.9' LT	1 EACH
STA. 40+78 ; 49.8' RT	1 EACH
TOTAL =	3 EACH

89502385 REMOVE EXISTING CONCRETE FDN	
STA. 39+33 ; 35.5' LT	1 EACH
STA. 39+41 ; 46.5' RT	1 EACH
STA. 39+43 ; 46.1' LT	1 EACH
STA. 39+72 ; 58.7' LT	1 EACH
STA. 40+24 ; 63.9' RT	1 EACH
STA. 40+47 ; 56.2' LT	1 EACH
STA. 40+61 ; 48.0' RT	1 EACH
STA. 40+64 ; 47.5' LT	1 EACH
TOTAL =	8 EACH

BILL OF MATERIALS

NEIL STREET & ST MARY'S ROAD / FOX DRIVE

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	195
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	23
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	325
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	8
HANDHOLE	EACH	7
DOUBLE HANDHOLE	EACH	1
PAINT NEW TRAFFIC SIGNAL POST	EACH	7
PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT	EACH	3
PAINT NEW MAST ARM AND POLE, 40 FOOT AND OVER	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	423
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 4C	FOOT	412
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,742
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,526
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	29
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	491
TRAFFIC SIGNAL POST, ALUMINUM 10 FT.	EACH	3
TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	3
TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	1
PEDESTRIAN PUSH-BUTTON POST, TYPE II	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	18
CONCRETE FOUNDATION, TYPE C	FOOT	3
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	35
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	19
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	3
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
REMOVE AND REINSTALL FIBER OPTIC CABLE IN CONDUIT	FOOT	88
SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1
PAINT NEW PEDESTRIAN PUSH-BUTTON POST	EACH	1
FIBER OPTIC FUSION SPLICE	EACH	1
ETHERNET SWITCH	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1
VIDEO VEHICLE DETECTION SYSTEM COMPLETE	EACH	1

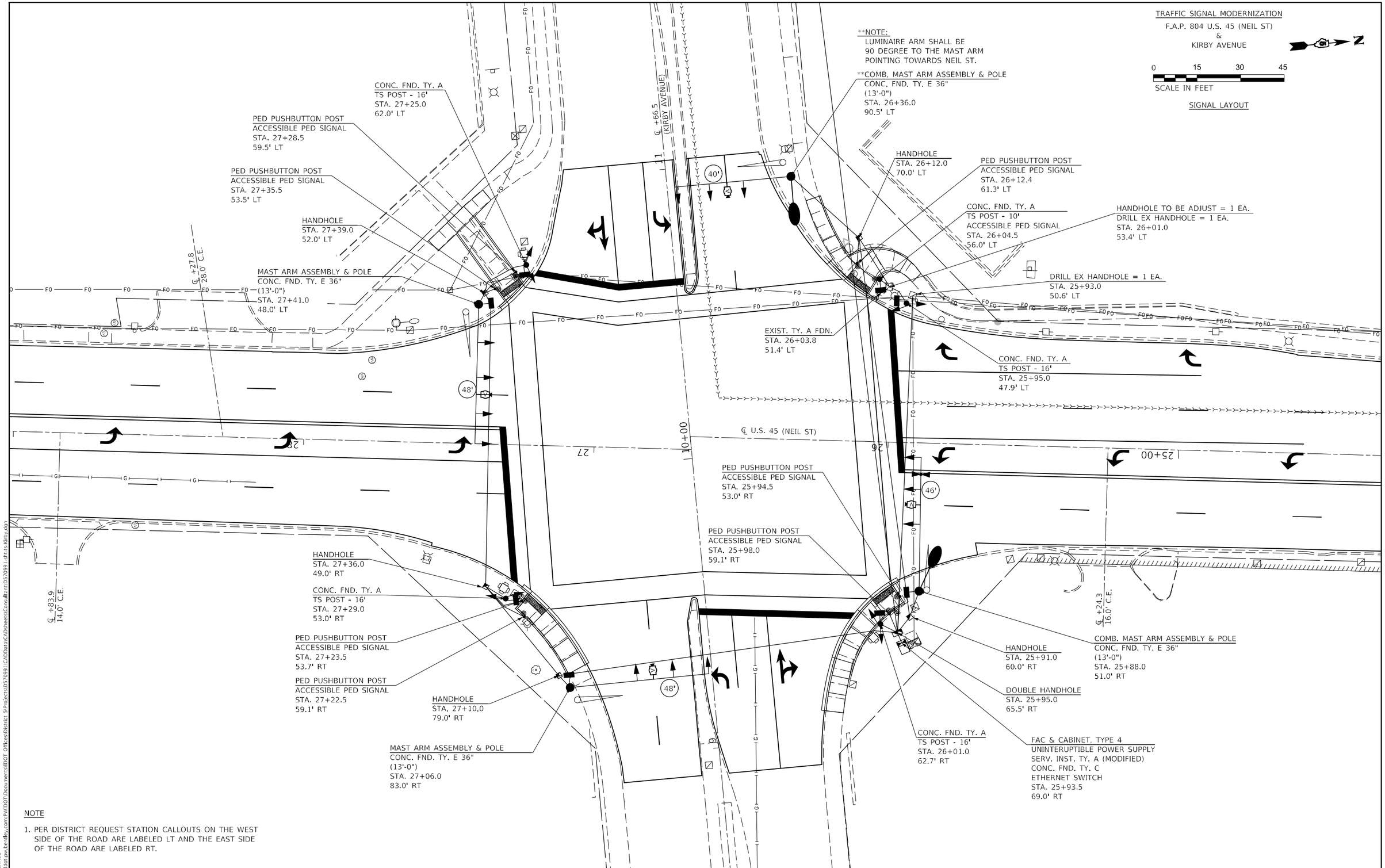
GENERAL NOTES

1. THE FOLLOWING SIGNAL HEADS SHALL BE WIRED IN PARALLEL AT THE MAST ARM POLE HANDHOLE: (A2, A3), (B3, B4) - EACH MAST ARM MOUNTED SIGNAL HEAD SHALL HAVE ITS OWN INDIVIDUAL CABLE FROM THE MAST POLE HANDHOLE TO THE SIGNAL HEAD.

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
KIRBY AVENUE

0 15 30 45
SCALE IN FEET

SIGNAL LAYOUT



NOTE

1. PER DISTRICT REQUEST STATION CALLOUTS ON THE WEST SIDE OF THE ROAD ARE LABELED LT AND THE EAST SIDE OF THE ROAD ARE LABELED RT.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

KIRBY AVENUE
SIGNAL LAYOUT

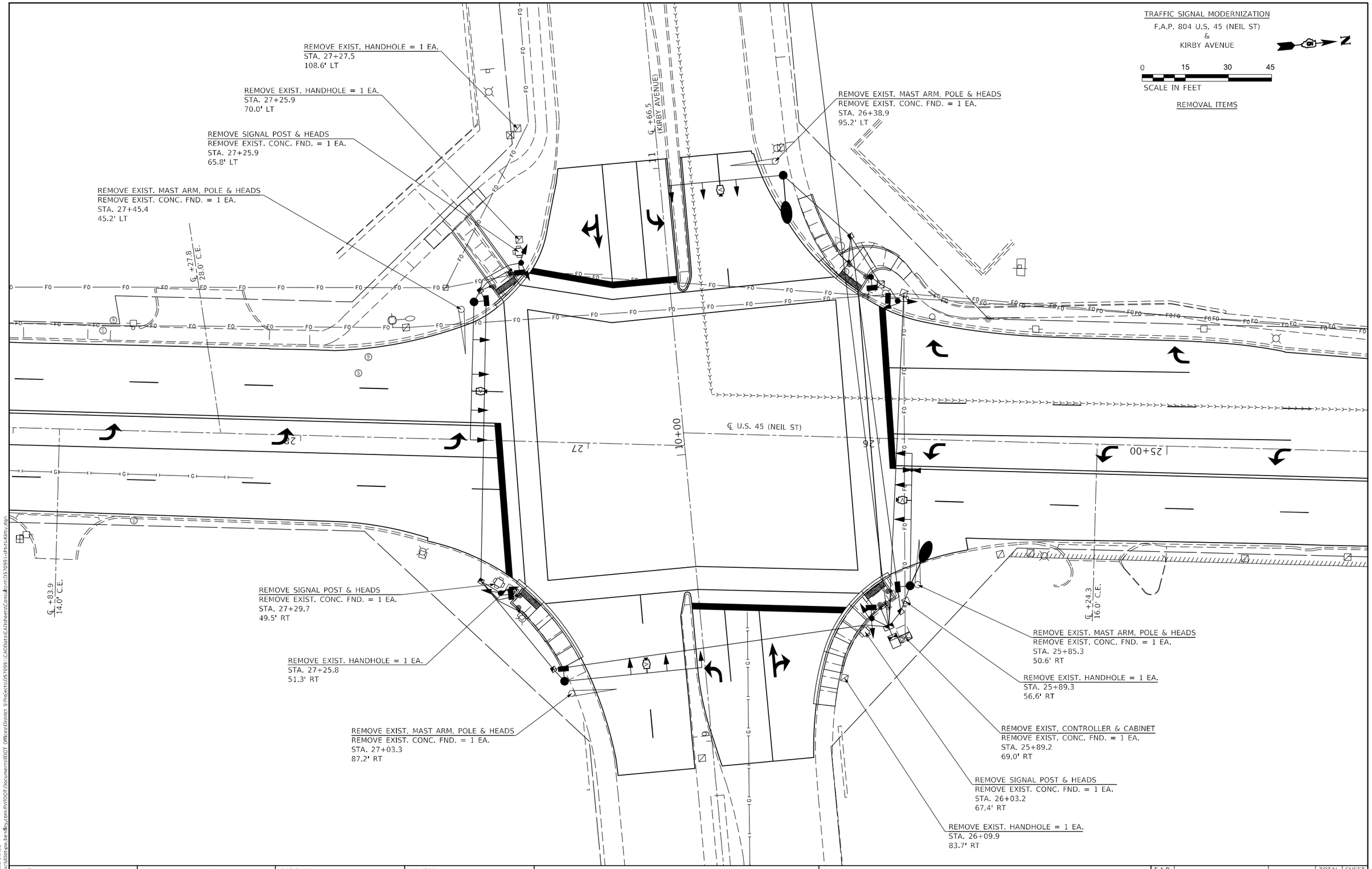
SCALE: 1" = 15' | SHEET 1 OF 5 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	278
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
KIRBY AVENUE

0 15 30 45
SCALE IN FEET

REMOVAL ITEMS



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

KIRBY AVENUE
REMOVAL ITEMS

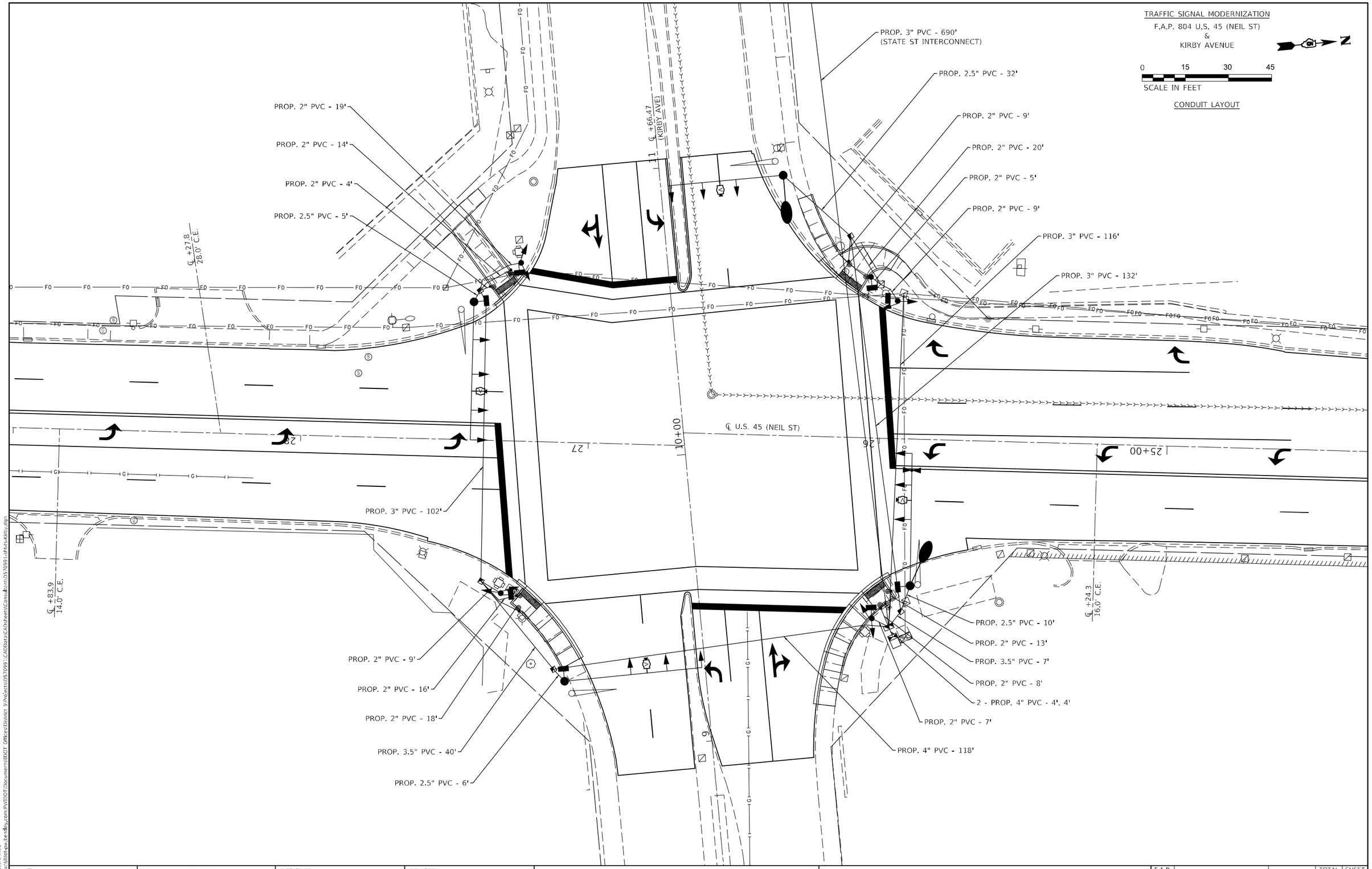
SCALE: 1" = 15' | SHEET 2 OF 5 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	279
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
KIRBY AVENUE

0 15 30 45
SCALE IN FEET

CONDUIT LAYOUT



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

KIRBY AVENUE
CONDUIT LAYOUT

SCALE: 1" = 15' | SHEET 3 OF 5 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	280
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
KIRBY AVENUE

0 15 30 45
SCALE IN FEET

CABLE LAYOUT

FO INTERCT CENTER 24P = 2 EA.
FIB OPT CBL 12F SM - 690'
ELCBL C TRACER 14 1C - 690'
(STATE ST INTERCONNECT)

2 NO. 14 5C, SIG.; 1 NO. 14 7C, SIG.; 1 NO. 6 1C, GND;
2 NO. 10 1C, 600V. XLP;
*1 VIDEO CABLE; *1 NO. 14 3C, SIG.

1 NO. 14 3C, SIG.; 1 NO. 6 1C, GND

1 NO. 14 3C, SIG.; 2 NO. 14 4C, SIG.; 1 NO. 14 5C, SIG.; 1 NO. 14 7C, SIG.; 1 NO. 6 1C, GND

1 NO. 14 3C, SIG.; 1 NO. 14 4C, SIG.; 1 NO. 6 1C, GND

1 NO. 14 4C, SIG.; 1 NO. 14 5C, SIG.; 1 NO. 14 7C, SIG.; 1 NO. 6 1C, GND

1 NO. 14 4C, SIG.; 2 NO. 14 7C, SIG.; 1 NO. 6 1C, GND

1 NO. 14 3C, SIG.; 1 NO. 6 1C, GND

1 NO. 14 3C, SIG.; 1 NO. 6 1C, GND

1 NO. 14 4C, SIG.; 2 NO. 14 5C, SIG.;
2 NO. 14 7C, SIG.; 1 NO. 6 1C, GND; *1 VIDEO CABLE

℄ +27.8
28.0' C.E.

℄ +66.5
(KIRBY AVE)

REM & REIN FIB OPT CC

℄ U.S. 45 (NEIL ST)

10+00

25+00

1 NO. 14 4C, SIG.; 1 NO. 14 5C, SIG.;
1 NO. 14 7C, SIG.; 1 NO. 6 1C, GND

2 NO. 14 3C, SIG.; 2 NO. 14 4C, SIG.; 1 NO. 14 5C, SIG.;
4 NO. 14 7C, SIG.; 1 NO. 6 1C, GND; *1 VIDEO CABLE

℄ +83.9
14.0' C.E.

℄ +24.3
16.0' C.E.

1 NO. 14 3C, SIG.; 1 NO. 6 1C, GND

1 NO. 14 3C, SIG.; 1 NO. 6 1C, GND

4 NO. 14 3C, SIG.; 3 NO. 14 4C, SIG.; 2 NO. 14 5C, SIG.; 5 NO. 14 7C, SIG.; 1 NO. 6 1C, GND; *1 VIDEO CABLE

1 NO. 14 4C, SIG.; 2 NO. 14 5C, SIG.; 1 NO. 14 7C, SIG.; 1 NO. 6 1C, GND; *1 VIDEO CABLE

4 NO. 14 3C, SIG.; 4 NO. 14 4C, SIG.; 3 NO. 14 5C, SIG.; 6 NO. 14 7C, SIG.; 1 NO. 6 1C, GND; *2 VIDEO CABLE

2 NO. 14 3C, SIG.; 2 NO. 14 4C, SIG.; 3 NO. 14 5C, SIG.;
2 NO. 14 7C, SIG.; 1 NO. 6 1C, GND; *1 VIDEO CABLE; *1 NO. 14 3C, SIG.;
2 NO. 10 1C, 600V. XLP

1 NO. 14 4C, SIG.; 2 NO. 14 5C, SIG.; 1 NO. 14 7C, SIG.; 2 NO. 10 1C, XLP;
1 NO. 6 1C, GND; *1 VIDEO CABLE; *1 NO. 14 3C, SIG.

1 NO. 14 3C, SIG.; 1 NO. 6 1C, GND

2 NO. 14 3C, SIG.; 3 NO. 14 4C, SIG.; 3 NO. 14 5C, SIG.; 3 NO. 14 7C, SIG.;
2 NO. 10 1C, XLP; 1 NO. 6 1C, GND; *2 VIDEO CABLE; *2 NO. 14 3C, SIG.

1 NO. 14 3C, SIG.; 1 NO. 6 1C, GND

8 NO. 14 3C, SIG.; 8 NO. 14 4C, SIG.; 7 NO. 14 5C, SIG.;
10 NO. 14 7C, SIG.; 2 NO. 10 1C, XLP; *4 VIDEO CABLE; *2 NO. 14 3C, SIG.

1 NO. 14 4C, SIG.; 1 NO. 14 5C, SIG.; 1 NO. 14 7C, SIG.; 1 NO. 6 1C, GND

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

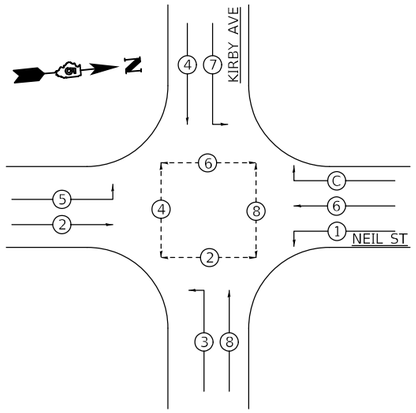
C2

KIRBY AVENUE
CABLE LAYOUT

SCALE: 1" = 15' | SHEET 4 OF 5 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	281
		CONTRACT NO. 70991		
		ILLINOIS FED. AID PROJECT		

PHASE DESIGNATION DIAGRAM



81400100 HANDHOLE	
STA. 25+91 ; 60.0' RT	1 EACH
STA. 26+12 ; 70.0' LT	1 EACH
STA. 27+10 ; 79.0' RT	1 EACH
STA. 27+36 ; 49.0' RT	1 EACH
STA. 27+39 ; 52.0' LT	1 EACH
STATE ST INTERCONNECT	1 EACH
TOTAL =	6 EACH

81400300 DOUBLE HANDHOLE	
STA. 25+95 ; 65.5' RT	1 EACH

87502640 TRAFFIC SIGNAL POST A 10FT	
STA. 26+05 ; 56.0' LT	1 EACH

87502700 TRAFFIC SIGNAL POST A 16FT	
STA. 25+95 ; 47.9' LT	1 EACH
STA. 26+01 ; 62.7' RT	1 EACH
STA. 27+25 ; 62.0' LT	1 EACH
STA. 27+29 ; 53.0' RT	1 EACH
TOTAL =	4 EACH

87600200 PEDESTRIAN PUSH-BUTTON POST, TYPE II	
STA. 25+95 ; 53.0' RT	1 EACH
STA. 25+98 ; 59.1' RT	1 EACH
STA. 26+12 ; 61.3' LT	1 EACH
STA. 27+23 ; 59.1' RT	1 EACH
STA. 27+24 ; 53.7' RT	1 EACH
STA. 27+29 ; 59.5' LT	1 EACH
STA. 27+36 ; 53.5' LT	1 EACH
TOTAL =	7 EACH

87800100 CONCRETE FDN TY A	
STA. 25+95 ; 47.9' LT	3 FEET
STA. 26+01 ; 62.7' RT	3 FEET
STA. 26+05 ; 56.0' LT	3 FEET
STA. 27+25 ; 62.0' LT	3 FEET
STA. 27+29 ; 53.0' RT	3 FEET
TOTAL =	15 FEET

87800150 CONCRETE FDN TY C	
STA. 25+94 ; 69.0' RT	3 FEET

87800415 CONCRETE FDN TY E 36 IN	
STA. 25+88 ; 51.0' RT	13 FEET
STA. 26+36 ; 90.5' LT	13 FEET
STA. 27+06 ; 83.0' RT	13 FEET
STA. 27+41 ; 48.0' LT	13 FEET
TOTAL =	52 FEET

89502380 REMOVE EXISTING HANDHOLE	
STA. 25+89 ; 56.6' RT	1 EACH
STA. 26+10 ; 83.7' RT	1 EACH
STA. 27+26 ; 51.3' RT	1 EACH
STA. 27+26 ; 70.0' LT	1 EACH
STA. 27+28 ; 108.6' LT	1 EACH
TOTAL =	5 EACH

89502385 REMOVE EXISTING CONCRETE FDN	
STA. 25+85 ; 50.6' RT	1 EACH
STA. 25+89 ; 69.0' RT	1 EACH
STA. 26+03 ; 67.4' RT	1 EACH
STA. 26+39 ; 95.2' LT	1 EACH
STA. 27+03 ; 87.2' RT	1 EACH
STA. 27+26 ; 65.8' LT	1 EACH
STA. 27+30 ; 49.5' RT	1 EACH
STA. 27+45 ; 45.2' LT	1 EACH
TOTAL =	8 EACH

X8710103 ETHERNET SWITCH	
STA. 25+94 ; 69.0' RT	1 EACH
STATE STREET INTERCONNECT	1 EACH
TOTAL =	2 EACH

BILL OF MATERIALS

NEIL STREET & KIRBY AVENUE

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	150
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	53
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	1,040
UNDERGROUND CONDUIT, PVC, 3 1/2" DIA.	FOOT	47
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	126
HANDHOLE	EACH	6
DOUBLE HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	479
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	2
PAINT NEW TRAFFIC SIGNAL POST	EACH	5
PAINT NEW MAST ARM AND POLE, 40 FOOT AND OVER	EACH	2
PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER	EACH	2
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	690
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,535
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 4C	FOOT	1,549
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,137
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,312
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	9
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	594
TRAFFIC SIGNAL POST, ALUMINUM 10 FT.	EACH	1
TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	4
PEDESTRIAN PUSH-BUTTON POST, TYPE II	EACH	7
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	15
CONCRETE FOUNDATION, TYPE C	FOOT	3
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52
DRILL EXISTING HANDHOLE	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	21
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	5
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
REMOVE AND REINSTALL FIBER OPTIC CABLE IN CONDUIT	FOOT	258
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	2
SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1
HANDHOLE TO BE ADJUSTED	EACH	1
PAINT NEW PEDESTRIAN PUSH-BUTTON POST	EACH	7
FIBER OPTIC CABLE 12 FIBERS, SINGLE MODE	FOOT	690
ETHERNET SWITCH	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT. (SPECIAL)	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1
VIDEO VEHICLE DETECTION SYSTEM COMPLETE	EACH	1

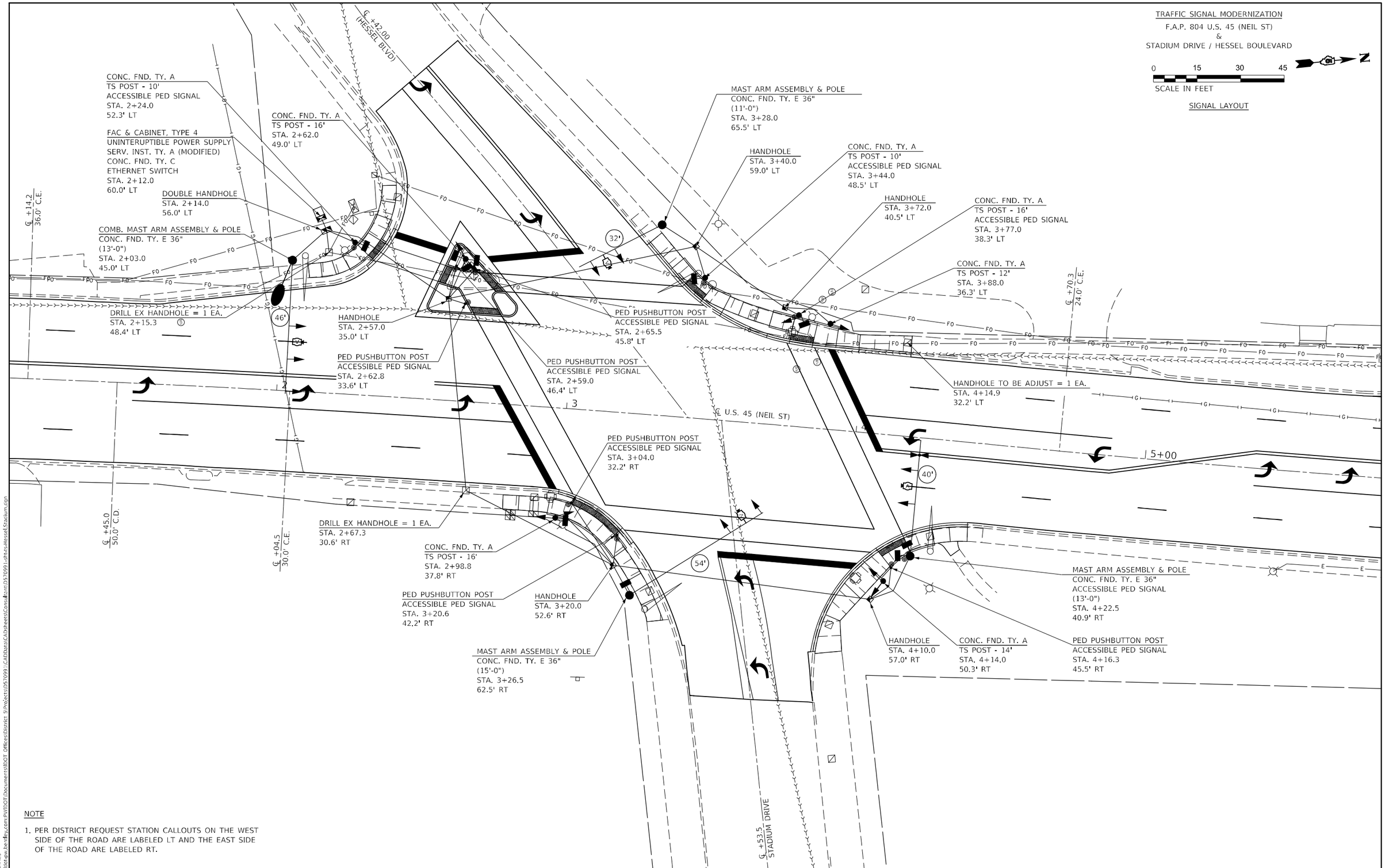
GENERAL NOTES

1. THE FOLLOWING SIGNAL HEADS SHALL BE WIRED IN PARALLEL AT THE MAST ARM POLE HANDHOLE: (A2, A3), (B2, B3), (C2, C3), (D2, D3) - EACH MAST ARM MOUNTED SIGNAL HEAD SHALL HAVE ITS OWN INDIVIDUAL CABLE FROM THE MAST POLE HANDHOLE TO THE SIGNAL HEAD.

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
STADIUM DRIVE / HESSEL BOULEVARD

0 15 30 45
SCALE IN FEET

SIGNAL LAYOUT



NOTE

1. PER DISTRICT REQUEST STATION CALLOUTS ON THE WEST SIDE OF THE ROAD ARE LABELED LT AND THE EAST SIDE OF THE ROAD ARE LABELED RT.

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USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STADIUM DRIVE /HESSEL BOULEVARD
SIGNAL LAYOUT

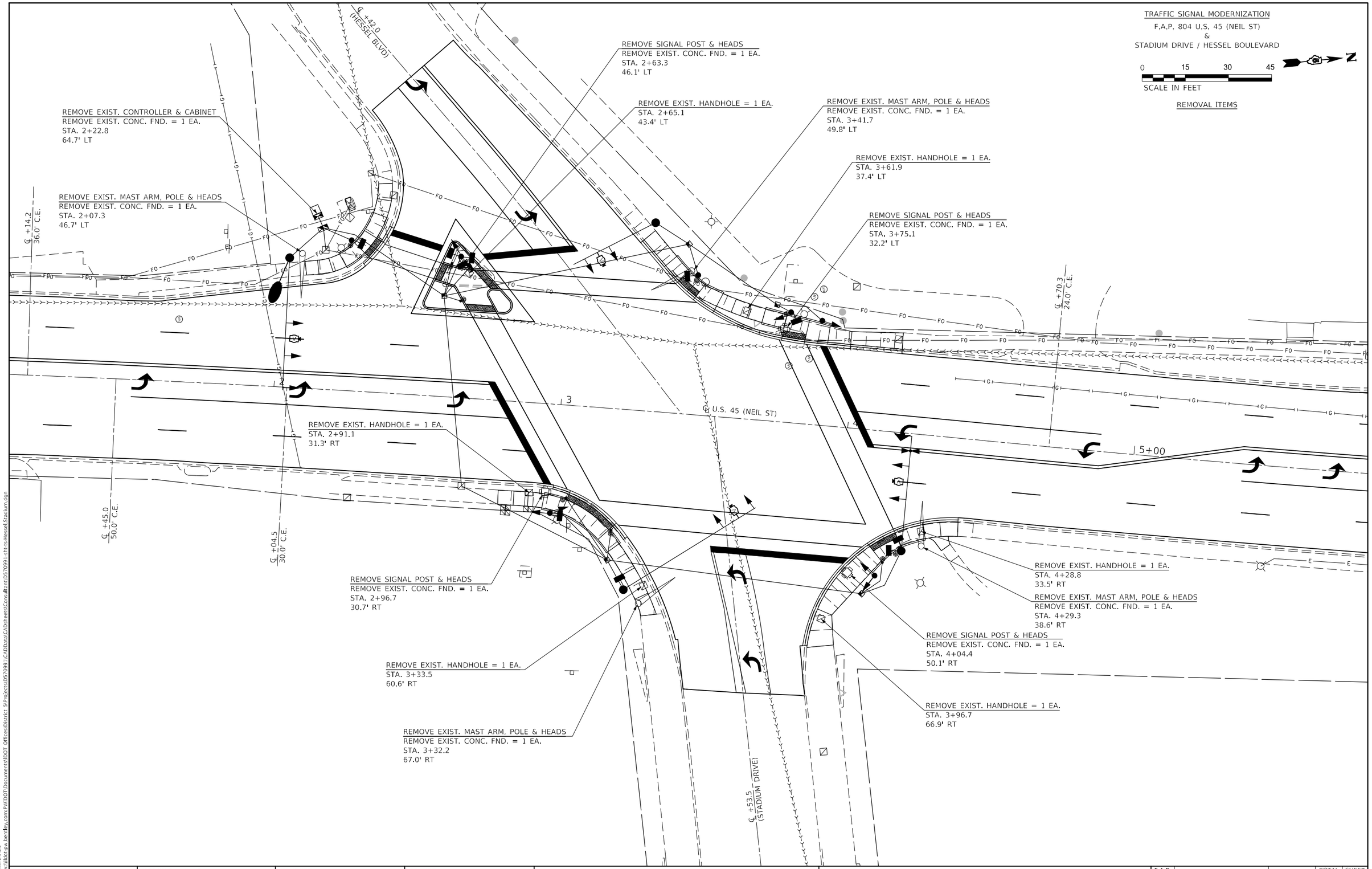
SCALE: 1" = 15' | SHEET 1 OF 5 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	283
		CONTRACT NO. 70991		
	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
STADIUM DRIVE / HESSEL BOULEVARD

0 15 30 45
SCALE IN FEET

REMOVAL ITEMS



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STADIUM DRIVE /HESSEL BOULEVARD
REMOVAL ITEMS

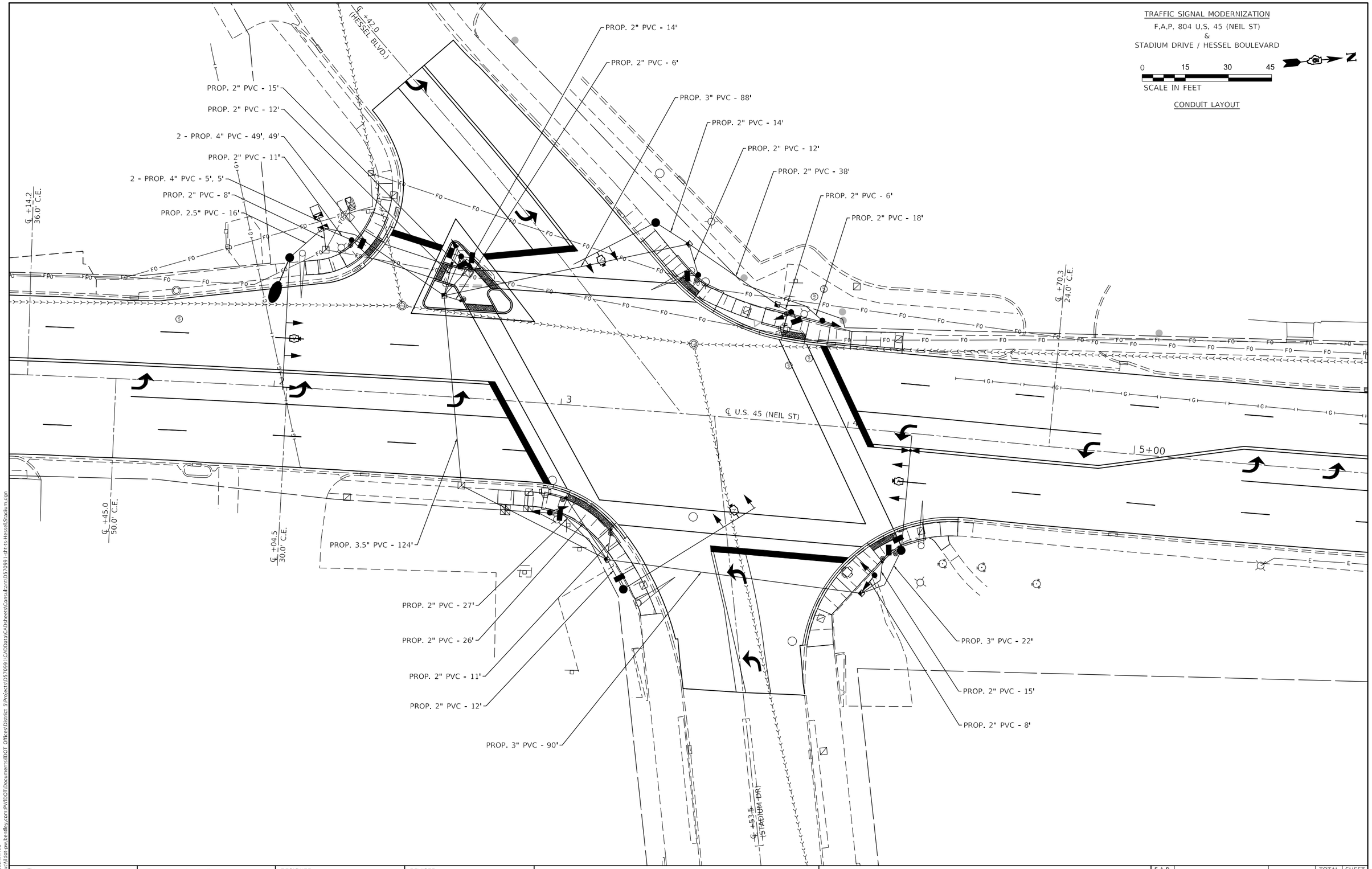
SCALE: 1" = 15' | SHEET 2 OF 5 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	284
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
STADIUM DRIVE / HESSEL BOULEVARD

0 15 30 45
SCALE IN FEET

CONDUIT LAYOUT



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STADIUM DRIVE /HESSEL BOULEVARD
CONDUIT LAYOUT

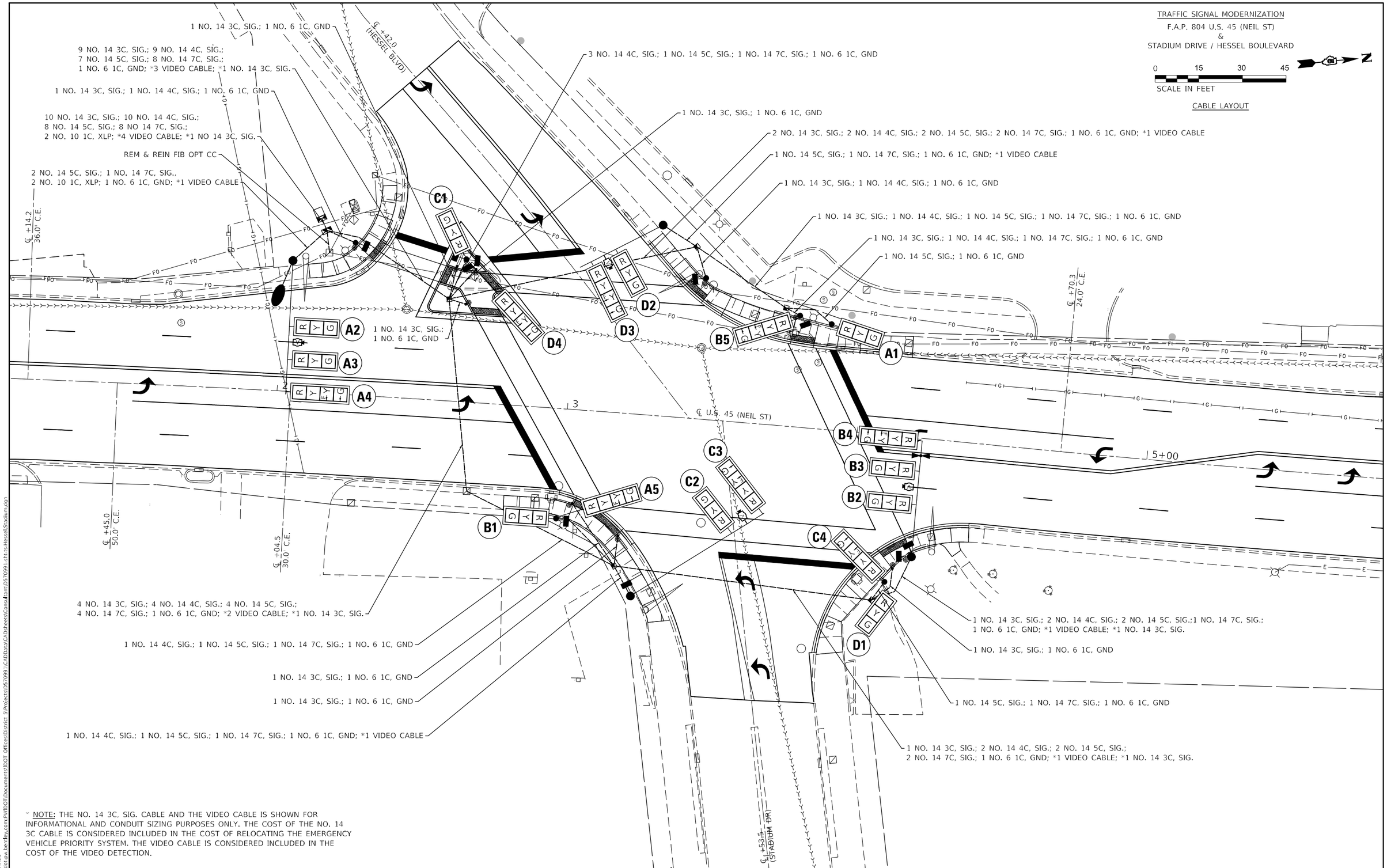
SCALE: 1" = 15' | SHEET 3 OF 5 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	285
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
STADIUM DRIVE / HESSEL BOULEVARD

0 15 30 45
SCALE IN FEET

CABLE LAYOUT



~ NOTE: THE NO. 14 3C, SIG. CABLE AND THE VIDEO CABLE IS SHOWN FOR INFORMATIONAL AND CONDUIT SIZING PURPOSES ONLY. THE COST OF THE NO. 14 3C CABLE IS CONSIDERED INCLUDED IN THE COST OF RELOCATING THE EMERGENCY VEHICLE PRIORITY SYSTEM. THE VIDEO CABLE IS CONSIDERED INCLUDED IN THE COST OF THE VIDEO DETECTION.

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PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

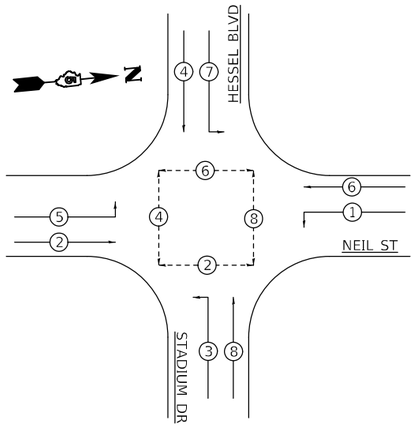
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STADIUM DRIVE /HESSEL BOULEVARD
CABLE LAYOUT

SCALE: 1" = 15' | SHEET 4 OF 5 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	286
		CONTRACT NO. 70991		
		ILLINOIS FED. AID PROJECT		

PHASE DESIGNATION DIAGRAM



81400100 HANDHOLE

STA. 2+57 ; 35.0' LT	1	EACH
STA. 3+20 ; 52.6' RT	1	EACH
STA. 3+40 ; 59.0' LT	1	EACH
STA. 3+72 ; 40.5' LT	1	EACH
STA. 4+10 ; 57.0' RT	1	EACH
TOTAL =	5	EACH

81400300 DOUBLE HANDHOLE

STA. 2+14 ; 56.0' LT	1	EACH

87502640 TRAFFIC SIGNAL POST A 10FT

STA. 2+24 ; 52.3' LT	1	EACH
STA. 3+44 ; 48.5' LT	1	EACH
TOTAL =	2	EACH

87502660 TRAFFIC SIGNAL POST A 12FT

STA. 3+88 ; 36.3' LT	1	EACH

87502680 TRAFFIC SIGNAL POST A 14FT

STA. 4+14 ; 50.3' RT	1	EACH

87502700 TRAFFIC SIGNAL POST A 16FT

STA. 2+62 ; 49.0' LT	1	EACH
STA. 2+99 ; 37.8' RT	1	EACH
STA. 3+77 ; 38.3' LT	1	EACH
TOTAL =	3	EACH

87600200 PEDESTRIAN PUSH-BUTTON POST, TYPE II

STA. 2+59 ; 46.4' LT	1	EACH
STA. 2+63 ; 33.6' LT	1	EACH
STA. 2+66 ; 45.8' LT	1	EACH
STA. 3+04 ; 32.2' RT	1	EACH
STA. 3+21 ; 42.2' RT	1	EACH
STA. 4+16 ; 45.5' RT	1	EACH
TOTAL =	6	EACH

87800100 CONCRETE FDN TY A

STA. 2+24 ; 52.3' LT	3	FEET
STA. 2+62 ; 49.0' LT	3	FEET
STA. 2+99 ; 37.8' RT	3	FEET
STA. 3+44 ; 48.5' LT	3	FEET
STA. 3+77 ; 38.3' LT	3	FEET
STA. 3+88 ; 36.3' LT	3	FEET
STA. 4+14 ; 50.3' RT	3	FEET
TOTAL =	21	FEET

87800150 CONCRETE FDN TY C

STA. 2+12 ; 60.0' LT	3	FEET

87800415 CONCRETE FDN TY E 36 IN

STA. 2+03 ; 45.0' LT	13	FEET
STA. 3+27 ; 62.5' RT	15	FEET
STA. 3+28 ; 65.5' LT	11	FEET
STA. 4+23 ; 40.9' RT	13	FEET
TOTAL =	52	FEET

89502380 REMOVE EXISTING HANDHOLE

STA. 2+65 ; 43.4' LT	1	EACH
STA. 2+91 ; 31.3' RT	1	EACH
STA. 3+34 ; 60.6' RT	1	EACH
STA. 3+62 ; 37.4' LT	1	EACH
STA. 3+97 ; 66.9' RT	1	EACH
STA. 4+29 ; 33.5' RT	1	EACH
TOTAL =	6	EACH

89502385 REMOVE EXISTING CONCRETE FDN

STA. 2+07 ; 46.7' LT	1	EACH
STA. 2+23 ; 64.7' LT	1	EACH
STA. 2+63 ; 46.1' LT	1	EACH
STA. 2+97 ; 30.7' RT	1	EACH
STA. 3+32 ; 67.0' RT	1	EACH
STA. 3+42 ; 49.8' LT	1	EACH
STA. 3+75 ; 32.2' LT	1	EACH
STA. 4+04 ; 50.1' RT	1	EACH
STA. 4+29 ; 38.6' RT	1	EACH
TOTAL =	9	EACH

BILL OF MATERIALS

NEIL STREET & HESSEL BOULEVARD / STADIUM DRIVE

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	253
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	16
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	200
UNDERGROUND CONDUIT, PVC, 3 1/2" DIA.	FOOT	124
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	108
HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	154
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	1
PAINT NEW TRAFFIC SIGNAL POST	EACH	7
PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT	EACH	1
PAINT NEW MAST ARM AND POLE, 40 FOOT AND OVER	EACH	2
PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,138
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 4C	FOOT	1,974
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,222
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,957
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	18
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	627
TRAFFIC SIGNAL POST, ALUMINUM 10 FT.	EACH	2
TRAFFIC SIGNAL POST, ALUMINUM 12 FT.	EACH	1
TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	3
PEDESTRIAN PUSH-BUTTON POST, TYPE II	EACH	6
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	21
CONCRETE FOUNDATION, TYPE C	FOOT	3
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52
DRILL EXISTING HANDHOLE	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	10
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	18
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	6
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1
REMOVE AND REINSTALL FIBER OPTIC CABLE IN CONDUIT	FOOT	123
HANDHOLE TO BE ADJUSTED	EACH	1
PAINT NEW PEDESTRIAN PUSH-BUTTON POST	EACH	6
ETHERNET SWITCH	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	10
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT. (SPECIAL)	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1
VIDEO VEHICLE DETECTION SYSTEM COMPLETE	EACH	1

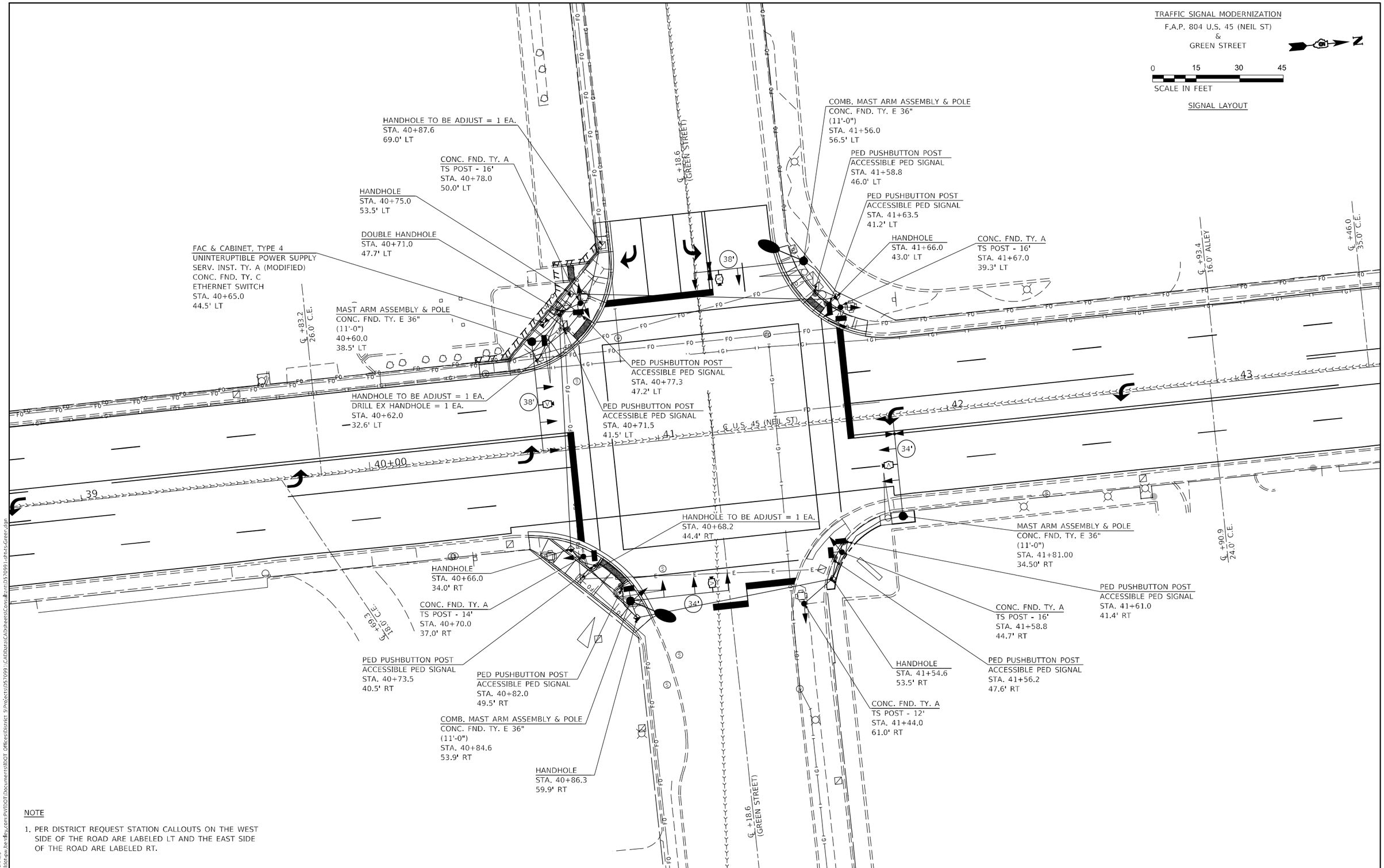
GENERAL NOTES

1. THE FOLLOWING SIGNAL HEADS SHALL BE WIRED IN PARALLEL AT THE MAST ARM POLE HANDHOLE: (A2, A3), (B2, B3) - EACH MAST ARM MOUNTED SIGNAL HEAD SHALL HAVE ITS OWN INDIVIDUAL CABLE FROM THE MAST POLE HANDHOLE TO THE SIGNAL HEAD.

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
GREEN STREET

0 15 30 45
SCALE IN FEET

SIGNAL LAYOUT



NOTE

1. PER DISTRICT REQUEST STATION CALLOUTS ON THE WEST SIDE OF THE ROAD ARE LABELED LT AND THE EAST SIDE OF THE ROAD ARE LABELED RT.

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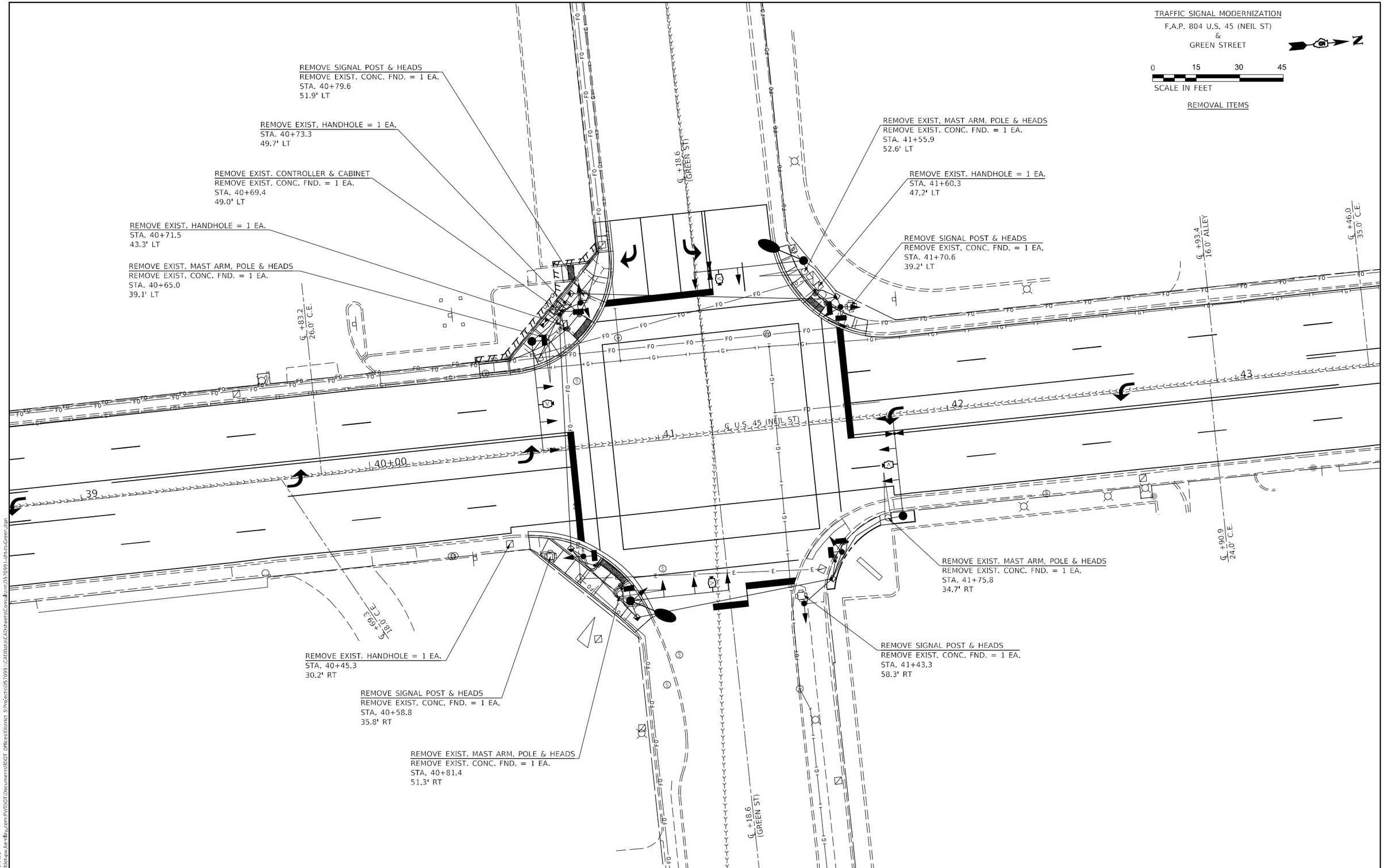
		DRAWN -	REVISED -		
	PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 6/26/2024	DATE -	REVISED -		SCALE: 1" = 15' SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	288
		CONTRACT NO. 70991		
		ILLINOIS FED. AID PROJECT		

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
GREEN STREET

0 15 30 45
SCALE IN FEET

REMOVAL ITEMS



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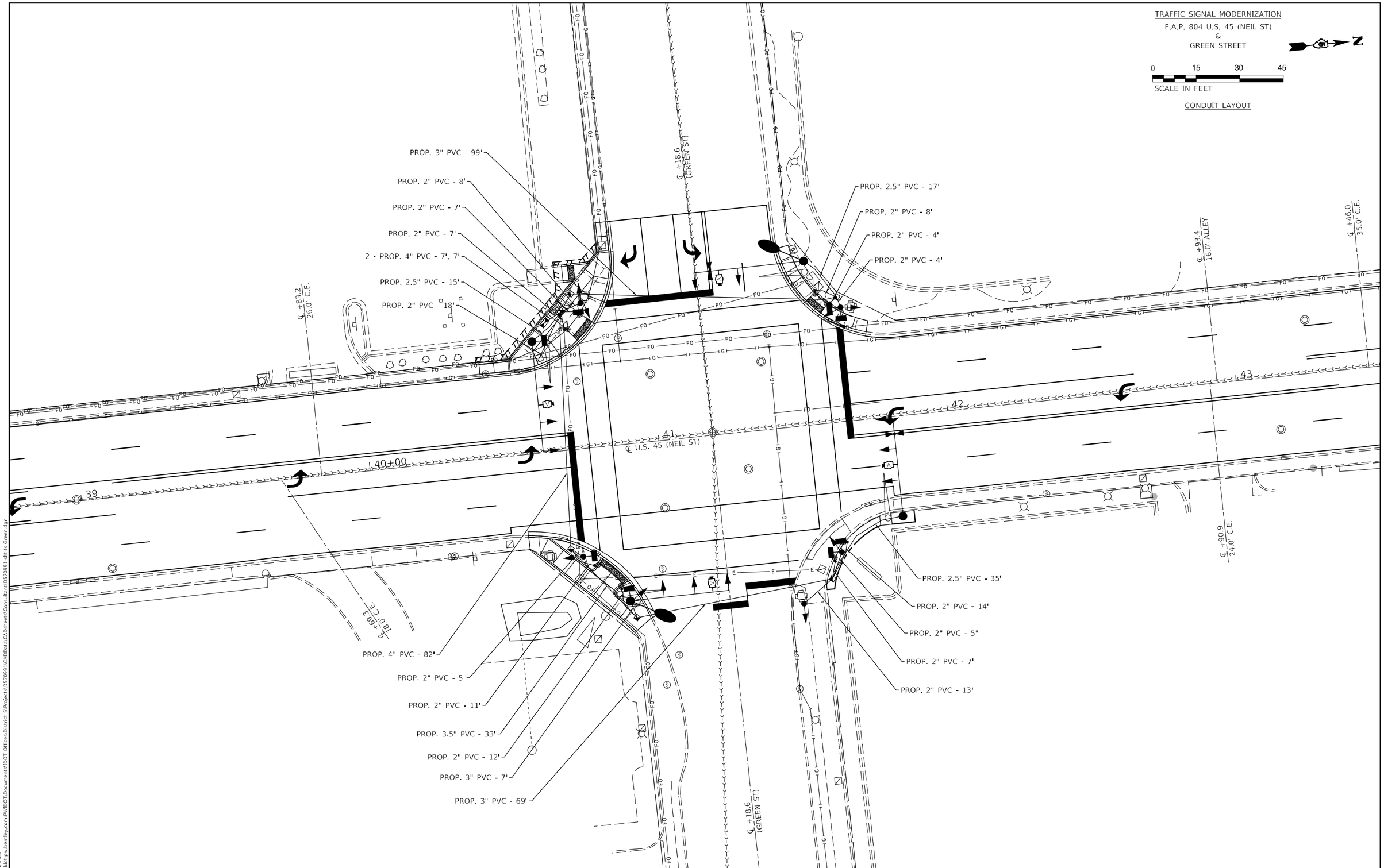
		DRAWN -	REVISED -			804	25RS-6	CHAMPAIGN	306 / 289
	PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 70991	
	PLOT DATE = 6/26/2024	DATE -	REVISED -		SCALE: 1" = 15' SHEET 2 OF 5 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
GREEN STREET

0 15 30 45
SCALE IN FEET

CONDUIT LAYOUT



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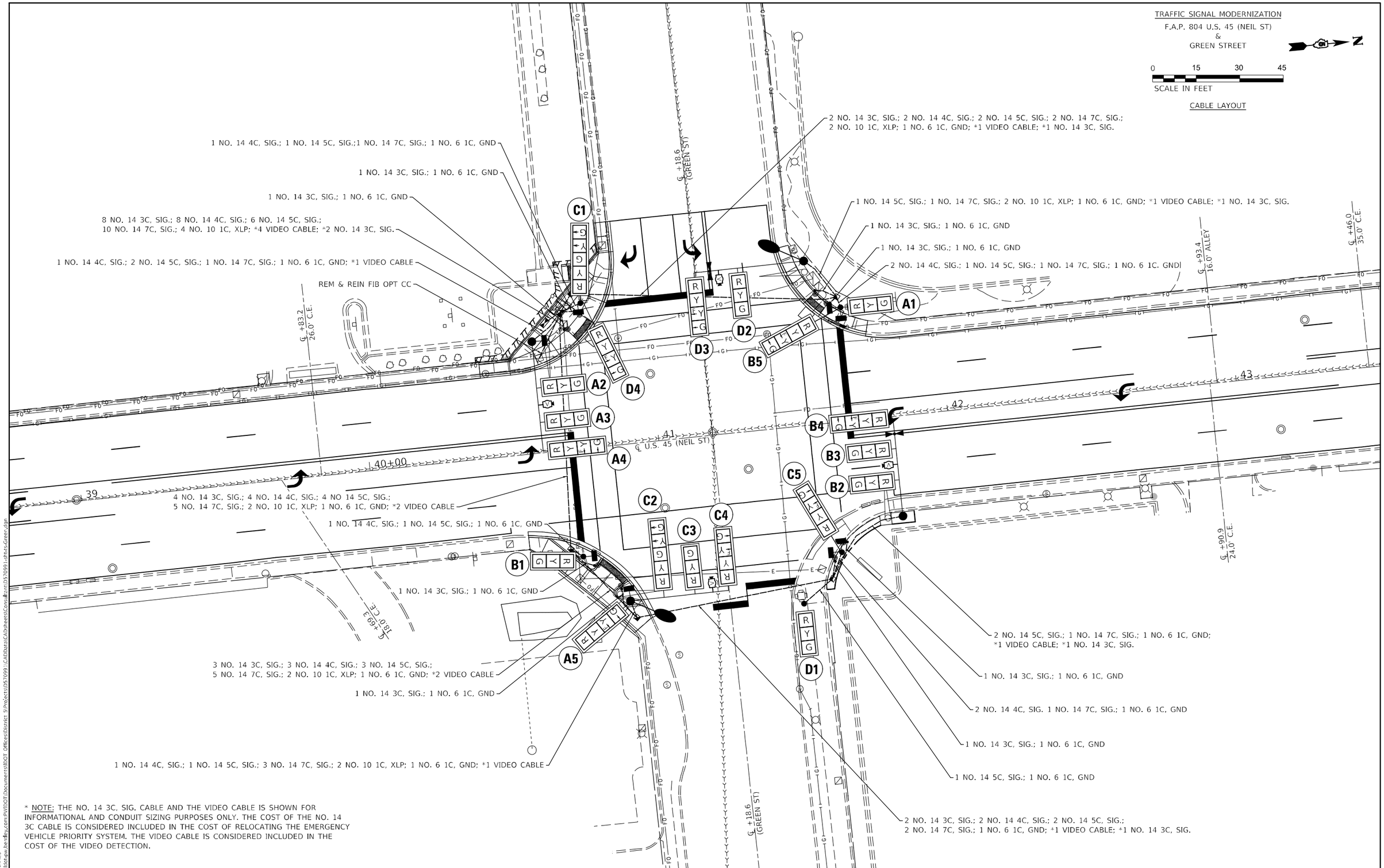
		DRAWN -	REVISED -			804	25RS-6	CHAMPAIGN	306 / 290
	PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 70991	
	PLOT DATE = 6/26/2024	DATE -	REVISED -		SCALE: 1" = 15' SHEET 3 OF 5 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
GREEN STREET

0 15 30 45
SCALE IN FEET

CABLE LAYOUT



* NOTE: THE NO. 14 3C, SIG. CABLE AND THE VIDEO CABLE IS SHOWN FOR INFORMATIONAL AND CONDUIT SIZING PURPOSES ONLY. THE COST OF THE NO. 14 3C CABLE IS CONSIDERED INCLUDED IN THE COST OF RELOCATING THE EMERGENCY VEHICLE PRIORITY SYSTEM. THE VIDEO CABLE IS CONSIDERED INCLUDED IN THE COST OF THE VIDEO DETECTION.

MODEL: $MODEL$NAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57099 1\CADData\CADsheets\ConstUnit\D570991-sht1-Green.dgn

OATES ASSOCIATES
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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GREEN STREET
CABLE LAYOUT

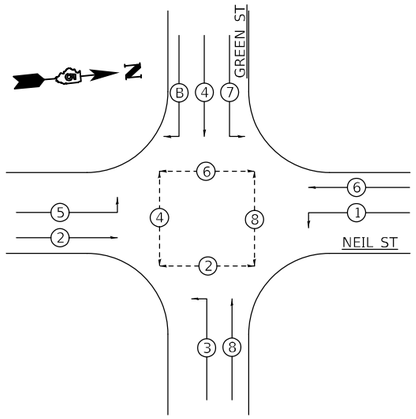
SCALE: 1" = 15' | SHEET 4 OF 5 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	291

CONTRACT NO. 70991

ILLINOIS FED. AID PROJECT

PHASE DESIGNATION DIAGRAM



81400100 HANDHOLE	
STA. 40+66 ; 34.0' RT	1 EACH
STA. 40+75 ; 53.5' LT	1 EACH
STA. 40+86 ; 59.9' RT	1 EACH
STA. 41+55 ; 53.5' RT	1 EACH
STA. 41+66 ; 43.0' LT	1 EACH
TOTAL =	5 EACH

81400300 DOUBLE HANDHOLE	
STA. 40+71 ; 47.7' LT	1 EACH

87502660 TRAFFIC SIGNAL POST A 12FT	
STA. 41+44 ; 61.0' RT	1 EACH

87502680 TRAFFIC SIGNAL POST A 14FT	
STA. 40+70 ; 37.0' RT	1 EACH

87502700 TRAFFIC SIGNAL POST A 16FT	
STA. 40+78 ; 50.0' LT	1 EACH
STA. 41+59 ; 44.7' RT	1 EACH
STA. 41+67 ; 39.3' LT	1 EACH
TOTAL =	3 EACH

87600200 PEDESTRIAN PUSH-BUTTON POST, TYPE II	
STA. 40+72 ; 41.5' LT	1 EACH
STA. 40+74 ; 40.5' RT	1 EACH
STA. 40+77 ; 47.2' LT	1 EACH
STA. 40+82 ; 49.5' RT	1 EACH
STA. 41+56 ; 47.6' RT	1 EACH
STA. 41+59 ; 46.0' LT	1 EACH
STA. 41+61 ; 41.4' RT	1 EACH
STA. 41+64 ; 41.2' LT	1 EACH
TOTAL =	8 EACH

87800100 CONCRETE FDN TY A	
STA. 40+70 ; 37.0' RT	3 FEET
STA. 40+78 ; 50.0' LT	3 FEET
STA. 41+44 ; 61.0' RT	3 FEET
STA. 41+59 ; 44.7' RT	3 FEET
STA. 41+67 ; 39.3' LT	3 FEET
TOTAL =	15 FEET

87800150 CONCRETE FDN TY C	
STA. 40+65 ; 44.5' LT	3 FEET

87800415 CONCRETE FDN TY E 36 IN	
STA. 40+60 ; 38.5' LT	11 FEET
STA. 40+85 ; 53.9' RT	11 FEET
STA. 41+56 ; 56.5' LT	11 FEET
STA. 41+81 ; 34.5' RT	11 FEET
TOTAL =	44 FEET

89502380 REMOVE EXISTING HANDHOLE	
STA. 40+45 ; 30.2' RT	1 EACH
STA. 40+72 ; 43.3' LT	1 EACH
STA. 40+73 ; 49.7' LT	1 EACH
STA. 41+60 ; 47.2' LT	1 EACH
TOTAL =	4 EACH

89502385 REMOVE EXISTING CONCRETE FDN	
STA. 40+59 ; 35.8' RT	1 EACH
STA. 40+65 ; 39.1' LT	1 EACH
STA. 40+69 ; 49.0' LT	1 EACH
STA. 40+80 ; 51.9' LT	1 EACH
STA. 40+81 ; 51.3' RT	1 EACH
STA. 41+43 ; 58.3' RT	1 EACH
STA. 41+56 ; 52.6' LT	1 EACH
STA. 41+71 ; 39.2' LT	1 EACH
STA. 41+76 ; 34.7' RT	1 EACH
TOTAL =	9 EACH

X8140115 HANDHOLE TO BE ADJUSTED	
STA. 40+62 ; 32.6' LT	1 EACH
STA. 40+68 ; 44.4' RT	1 EACH
STA. 40+88 ; 69.0' LT	1 EACH
TOTAL =	3 EACH

BILL OF MATERIALS

NEIL STREET & GREEN STREET

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	123
UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	67
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	175
UNDERGROUND CONDUIT, PVC, 3 1/2" DIA.	FOOT	33
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	96
HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	780
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	2
PAINT NEW TRAFFIC SIGNAL POST	EACH	5
PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT	EACH	2
PAINT NEW COMBINATION MAST ARM AND POLE, UNDER 40 FOOT	EACH	2
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,156
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 4C	FOOT	1,193
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,693
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,685
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	14
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	458
TRAFFIC SIGNAL POST, ALUMINUM 12 FT.	EACH	1
TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1
TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	3
PEDESTRIAN PUSH-BUTTON POST, TYPE II	EACH	8
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	15
CONCRETE FOUNDATION, TYPE C	FOOT	3
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	44
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	19
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	4
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
REMOVE AND REINSTALL FIBER OPTIC CABLE IN CONDUIT	FOOT	87
SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1
HANDHOLE TO BE ADJUSTED	EACH	3
PAINT NEW PEDESTRIAN PUSH-BUTTON POST	EACH	8
ETHERNET SWITCH	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT. (SPECIAL)	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1
VIDEO VEHICLE DETECTION SYSTEM COMPLETE	EACH	1

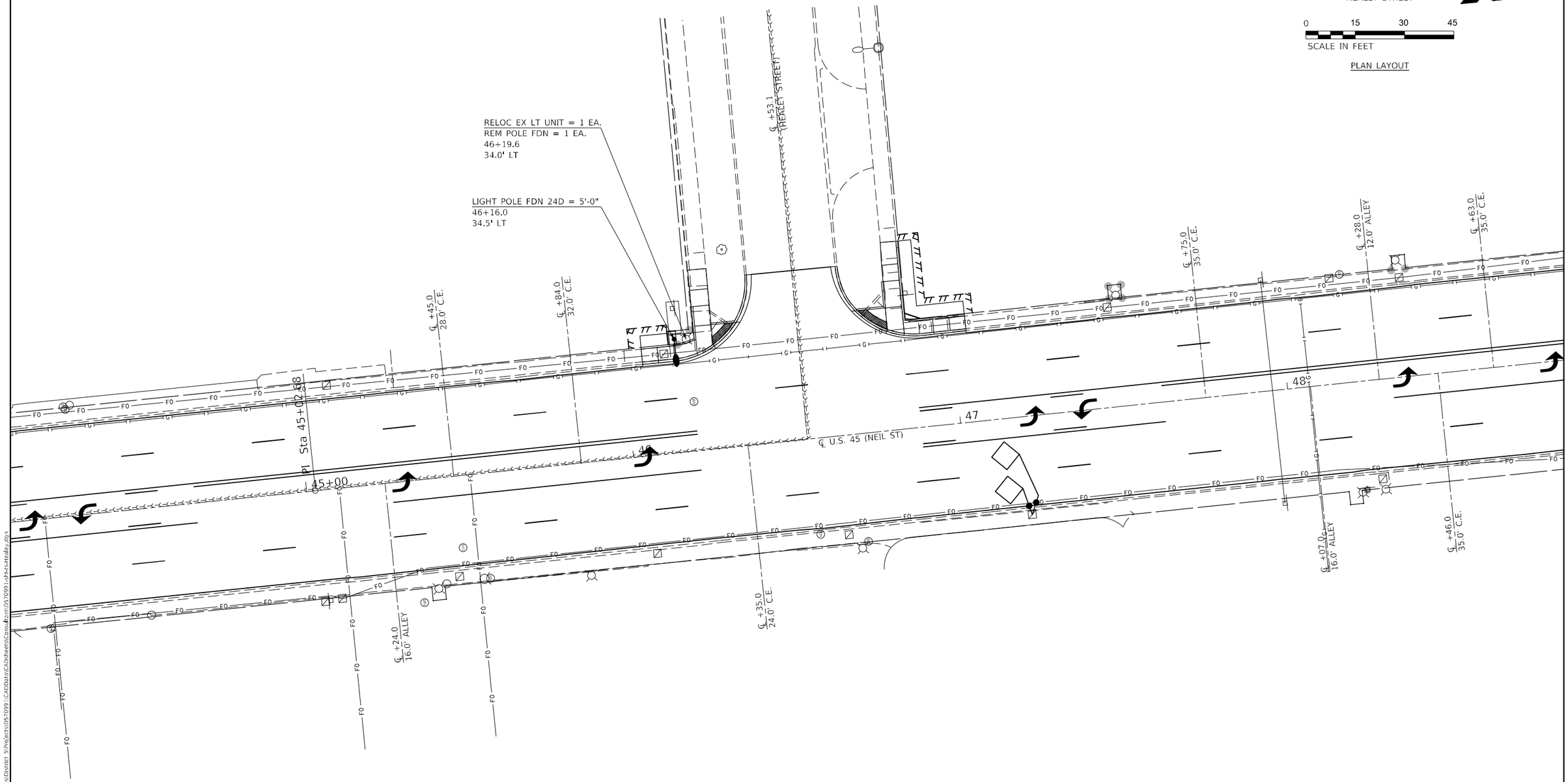
GENERAL NOTES

1. THE FOLLOWING SIGNAL HEADS SHALL BE WIRED IN PARALLEL AT THE MAST ARM POLE HANDHOLE: (A2, A3), (B2, B3) - EACH MAST ARM MOUNTED SIGNAL HEAD SHALL HAVE ITS OWN INDIVIDUAL CABLE FROM THE MAST POLE HANDHOLE TO THE SIGNAL HEAD.

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
HEALEY STREET

0 15 30 45
SCALE IN FEET

PLAN LAYOUT



NOTE

1. PER DISTRICT REQUEST STATION CALLOUTS ON THE WEST SIDE OF THE ROAD ARE LABELED LT AND THE EAST SIDE OF THE ROAD ARE LABELED RT.

MODEL: $MODELNAMES
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D570991\CADData\CADsheets\Consultant\D570991-sht-t-Healey.dgn

OATES ASSOCIATES
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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HEALEY STREET
PLAN LAYOUT

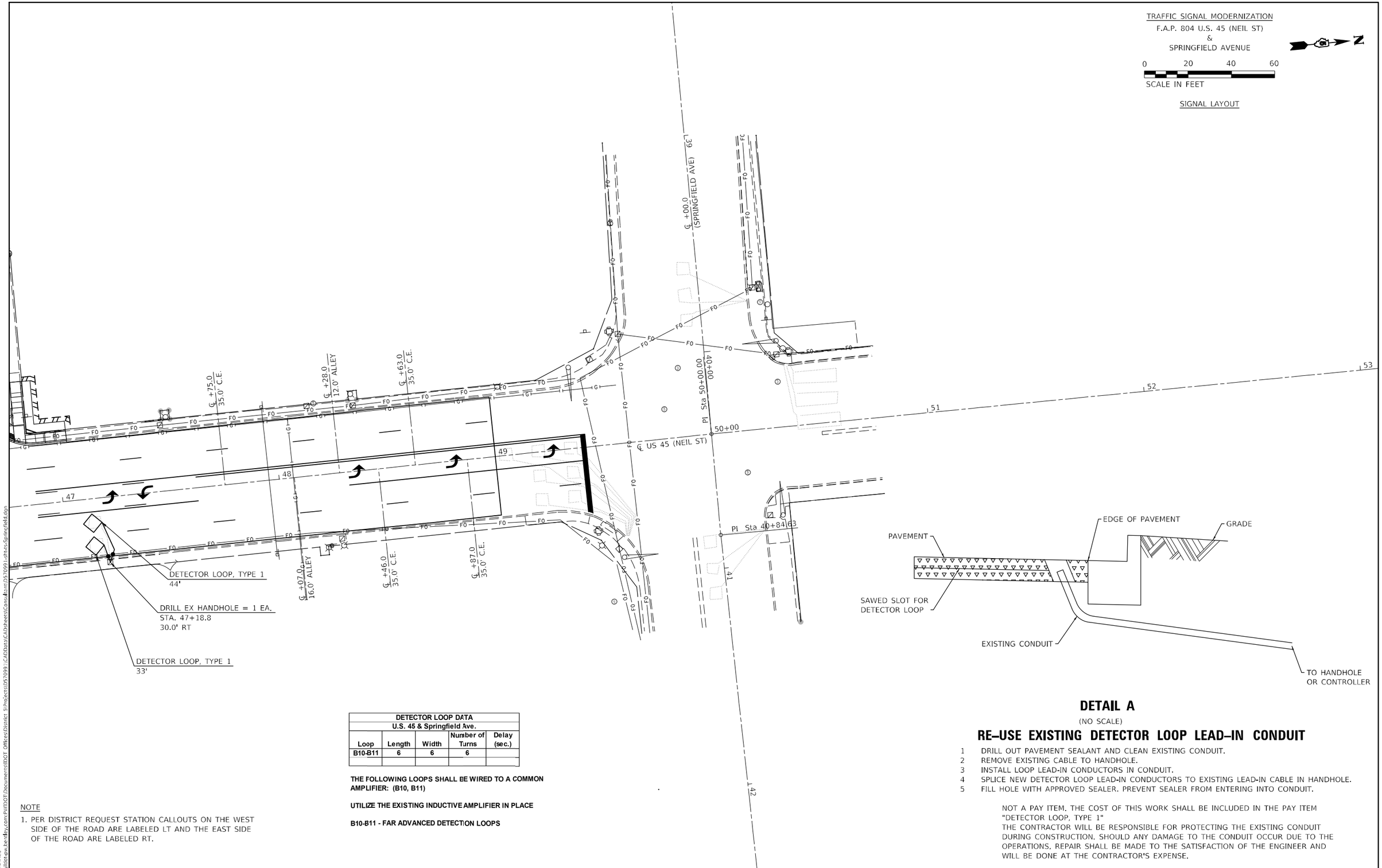
SCALE: 1" = 15' | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	293
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MODERNIZATION
F.A.P. 804 U.S. 45 (NEIL ST)
&
SPRINGFIELD AVENUE

0 20 40 60
SCALE IN FEET

SIGNAL LAYOUT



DETECTOR LOOP DATA				
U.S. 45 & Springfield Ave.				
Loop	Length	Width	Number of Turns	Delay (sec.)
B10-B11	6	6	6	

THE FOLLOWING LOOPS SHALL BE WIRED TO A COMMON AMPLIFIER: (B10, B11)

UTILIZE THE EXISTING INDUCTIVE AMPLIFIER IN PLACE

B10-B11 - FAR ADVANCED DETECTION LOOPS

NOTE

1. PER DISTRICT REQUEST STATION CALLOUTS ON THE WEST SIDE OF THE ROAD ARE LABELED LT AND THE EAST SIDE OF THE ROAD ARE LABELED RT.

DETAIL A

(NO SCALE)

RE–USE EXISTING DETECTOR LOOP LEAD–IN CONDUIT

1 DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
2 REMOVE EXISTING CABLE TO HANDHOLE.
3 INSTALL LOOP LEAD-IN CONDUCTORS IN CONDUIT.
4 SPLICE NEW DETECTOR LOOP LEAD-IN CONDUCTORS TO EXISTING LEAD-IN CABLE IN HANDHOLE.
5 FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP, TYPE 1"
THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING THE EXISTING CONDUIT DURING CONSTRUCTION. SHOULD ANY DAMAGE TO THE CONDUIT OCCUR DUE TO THE OPERATIONS, REPAIR SHALL BE MADE TO THE SATISFACTION OF THE ENGINEER AND WILL BE DONE AT THE CONTRACTOR'S EXPENSE.

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\057099 (CAD\Data\CADsheets\Consultant\057099-sht-ts-Springfield.dgn

OATES ASSOCIATES
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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 6/26/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

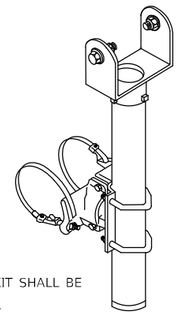
SPRINGFIELD AVENUE
SIGNAL LAYOUT

SCALE: 1" = 15' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	294
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

VIDEO DETECTION CAMERA BRACKET

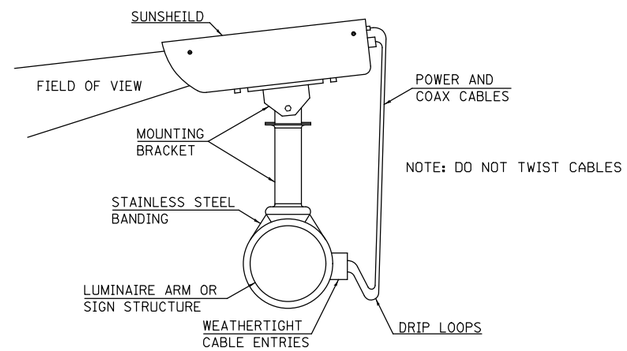
MAST-ARM MOUNTED



NOTE: CLAMP SCREW KIT SHALL BE STAINLESS STEEL.

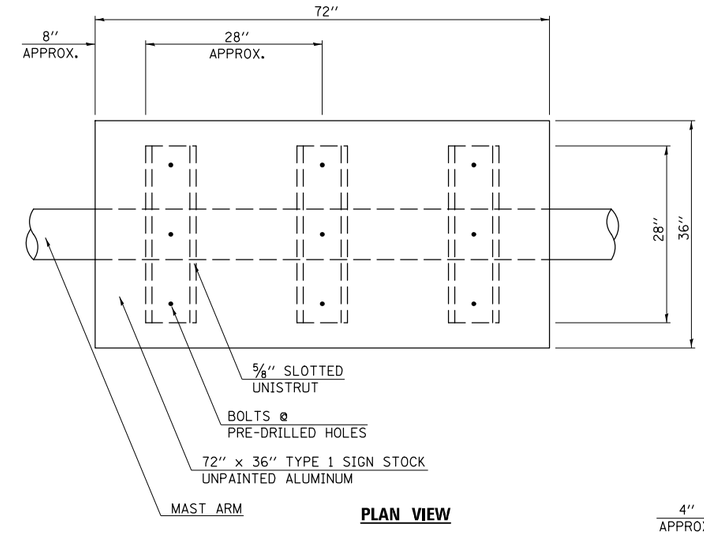
VIDEO DETECTOR MOUNTING DETAIL

LUMINAIRE TRUSS MOUNTED

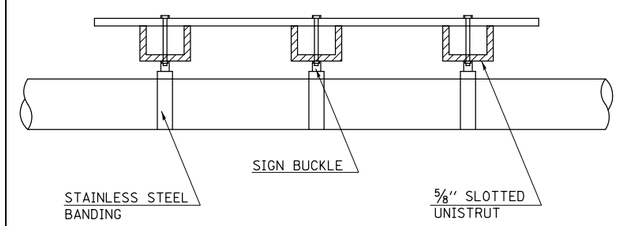


NOTE: DO NOT TWIST CABLES

MAST ARM DAMPENING DEVICE MOUNTING DETAIL

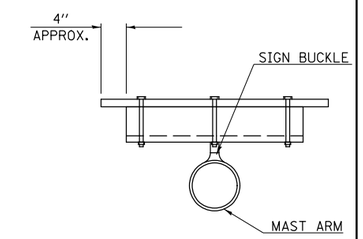


PLAN VIEW

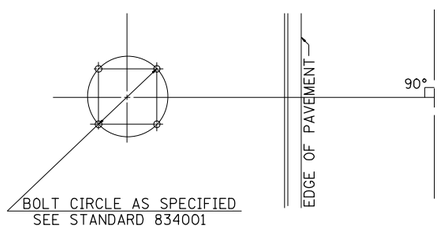


ELEVATION

NOTE: PAINT ENDS OF UNISTRUT WITH SPRAY ON GALVANIZED PAINT

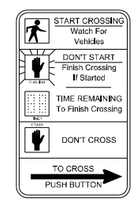


CROSS SECTION



DETAIL OF MAST ARM FOUNDATION BOLT PATTERN

PEDESTRIAN PUSH-BUTTON SIGNS



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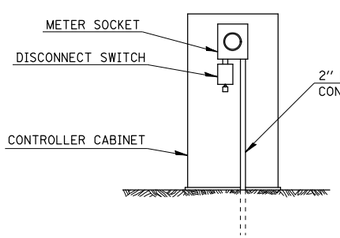
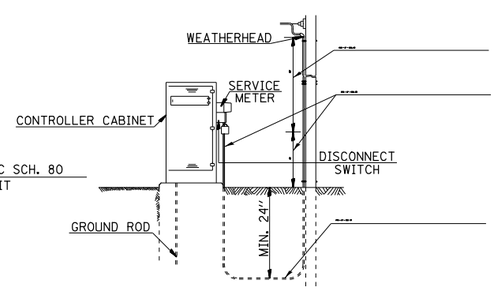
PEDESTRIAN PUSH-BUTTON SIGNS SHALL BE MOUNTED ABOVE THE PEDESTRIAN PUSH BUTTONS. THE SIGNS SHALL BE BOLTED TO THE POSTS.



INSTALL GROUND FROM METER SOCKET NEUTRAL LUG TO THE GROUND ROD LOCATED IN THE DOUBLE HANDHOLE



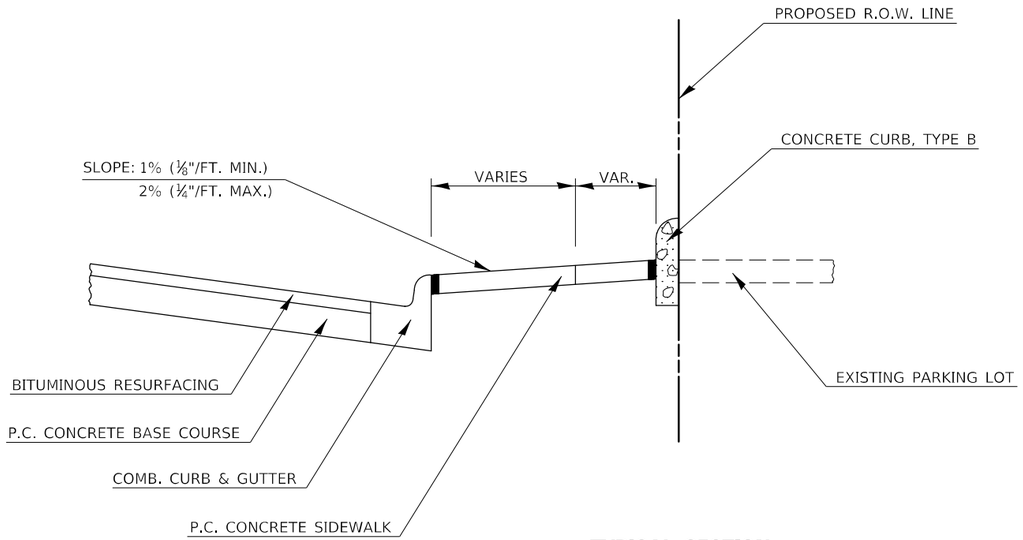
CONTRACTOR TO SUPPLY SCH. 80 - 10' AND SCH. 40 - 20' WEATHERHEAD TO BE INSTALLED ON POWER POLE BY POWER COMPANY

DETAIL OF SERVICE INSTALLATION MOUNTED ON CONTROLLER CABINET

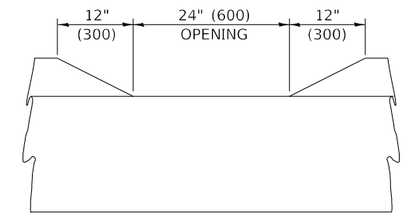
SERVICE INSTALLATION TY. A (MODIFIED)

TRAFFIC SIGNAL GENERAL NOTES

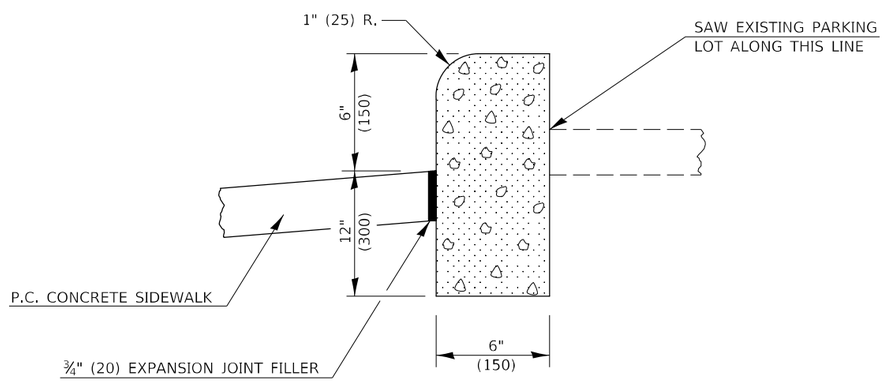
1. THE ACTUAL LOCATION OF ALL SIGNAL FOUNDATIONS, HANDHOLES, AND TRAFFIC CONTROLLER WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
2. THE FINAL LOCATIONS OF ALL TRAFFIC CONTROL ITEMS SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.
3. POST MOUNTED SIGNALS SHALL BE INSTALLED SO THAT NO PART OF THE SIGNAL HEAD IS WITHIN 2 FT. OF THE FACE OF CURB.
4. ALL MAST ARM POLES SHALL BE A MINIMUM OF 6 FT. FROM THE CENTER OF THE POLE TO THE FACE OF THE CURB (ON THE MAST ARM SIDE) OR AS SHOWN ON THE PLANS.
5. COMBINATION MAST ARM ASSEMBLIES SHALL BE FURNISHED WITH 15' LUMINAIRE TRUSS ARMS WITH A MOUNTED LUMINAIRE HEIGHT OF 40 FT.
6. ALL TRAFFIC SIGNAL MAST ARMS MUST BE DESIGNED FOR THE LOADINGS SHOWN ON THE HIGHWAY STANDARDS OR THESE SIGNAL PLANS, WHICHEVER IS GREATER.
7. SIGNAL FACES FOR THE NORTH APPROACH ARE NOTED AS "A", "B" FOR THE SOUTH APPROACH, "C" FOR THE WEST APPROACH, AND "D" FOR THE EAST APPROACH.
8. ALIGN ADJACENT RED INDICATIONS TO SAME HEIGHT ABOVE PAVEMENT.
9. THE BASE FOR A TRAFFIC SIGNAL POST SHALL BE SITUATED SUCH THAT THE HANDHOLE IS LOCATED ON A SIDE AWAY FROM A TRAVELED LANE.
10. PEDESTRIAN PUSHBUTTON SIGNAL SIGNS SHALL BE MOUNTED ABOVE THE APPROPRIATE PEDESTRIAN PUSHBUTTON.
11. ITEMS REMOVED WILL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED IN THE CONTRACT.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO COMMENCEMENT OF WORK TO OBTAIN UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATIONS.
13. THE ANTI-BACKUP FEATURE SHALL BE HARDWIRED ON THE BACKPANEL OF THE CONTROLLER CABINET.
14. TIMINGS SHOWN ARE FOR INITIAL OPERATION AND MAY BE ADJUSTED TO REFLECT SITE CONDITIONS PER APPROVAL OF THE TRAFFIC OPERATIONS ENGINEER.
15. THE CONTRACTOR SHALL SUPPLY AND MOUNT SIGNS BY THE MASTARM MOUNTED FYA SIGNAL HEADS STATING "LEFT TURN YIELD ON FLASHING YELLOW ARROW" (R10-I109 AS SHOWN IN THE ILLINOIS STANDARD HIGHWAY SIGNS BOOK - JULY 1, 2014)
16. MASTARM DAMPENERS SHALL BE INCLUDED IN ALL MASTARMS 40' OR LONGER IN LENGTH. THE COST FOR INSTALLING THE DAMPENER SHALL BE INCLUDED IN THE COST OF INSTALLING THE MAST ARM. SEE CONSTRUCTION DETAILS FOR DAMPENER INFORMATION.
17. THE CONTRACTOR SHALL RELOCATE EXISTING SIGNS MOUNTED ON THE EXISTING TRAFFIC SIGNAL EQUIPMENT TO THE NEW TRAFFIC SIGNAL EQUIPMENT AT NO ADDITIONAL COST.



TYPICAL SECTION



SECTION SHOWING DRAINAGE OPENINGS
@ 15'-0" (4.5 m) CENTERS WHEN REQUIRED



SECTION THROUGH CONCRETE CURB, TYPE B

NOTE:
THE CONCRETE CURB, TYPE B, SHALL BE CONSTRUCTED FROM CLASS SI CONCRETE THROUGHOUT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LINEAL FOOT (METER), FOR CONCRETE CURB, TYPE B, WHICH PRICE SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY TO COMPLETE THE WORK.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 60600605

USER NAME = Greg.Eaglin	DESIGNED -	REVISED - 11/06	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE CURB, TYPE B (ADJACENT TO PCC SIDEWALK)

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	296
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

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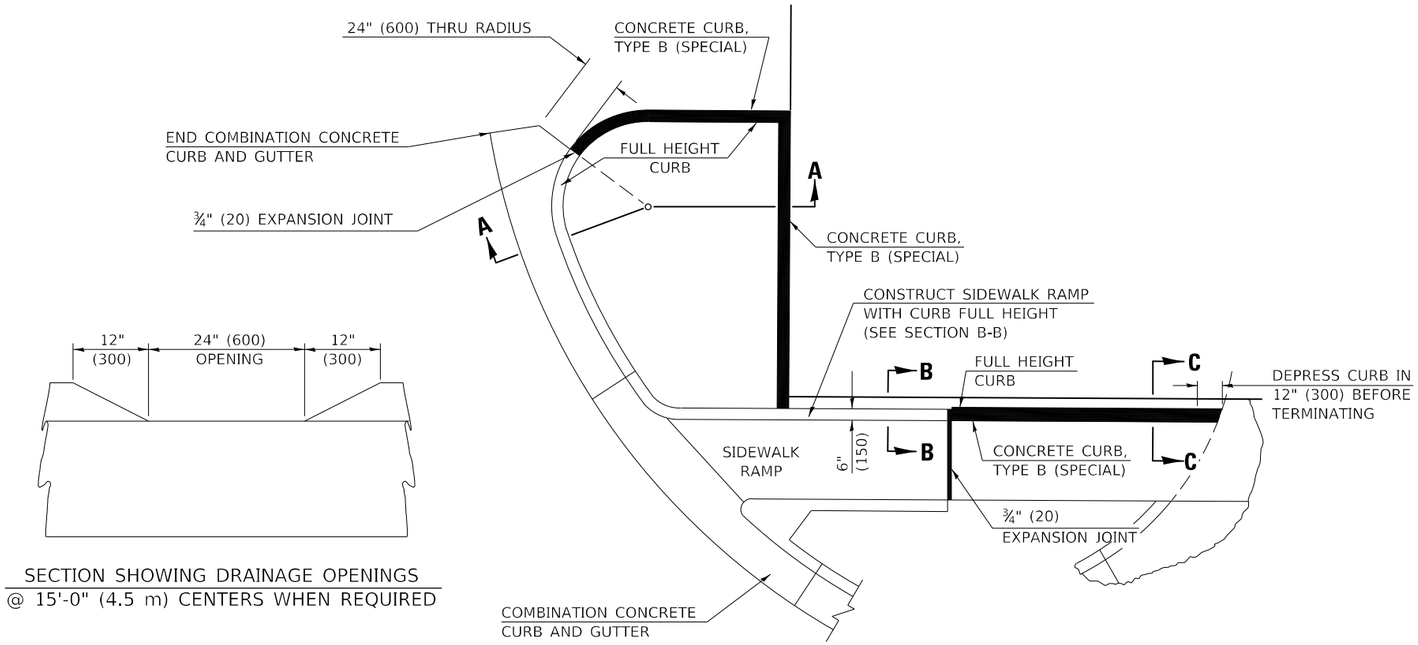
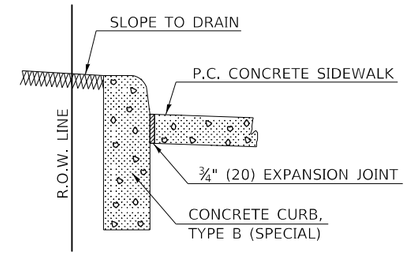
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D57099 \CADData\CADsheets\D57099-sht-Details.dgn



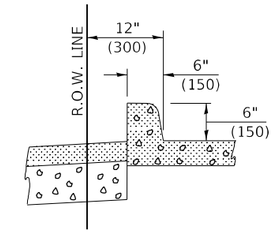
PLAN

SECTION SHOWING DRAINAGE OPENINGS
@ 15'-0" (4.5 m) CENTERS WHEN REQUIRED



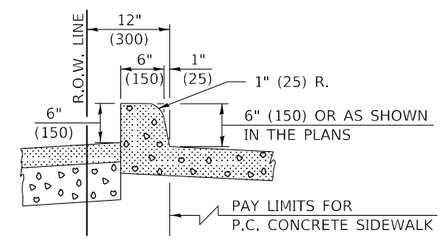
SECTION C–C

CURB DETAIL ADJACENT TO EARTHFILL

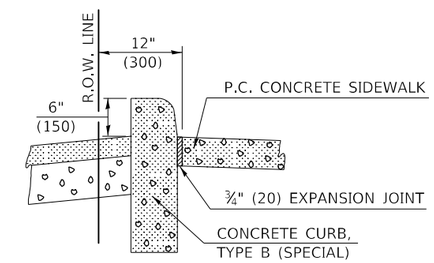


SECTION B–B

SIDEWALK CURB DETAIL ONLY
WHEN ABUTTING FULL HEIGHT CURB



OPTIONAL METHOD OF CONSTRUCTION
MONOLITHIC WITH P.C. CONCRETE
SIDEWALK ONLY

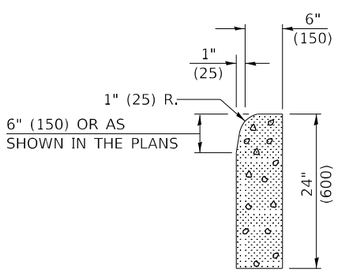


SECTION C–C

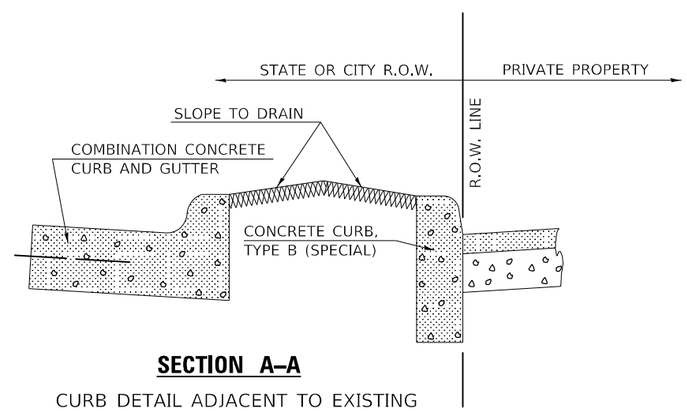
CURB DETAIL ADJACENT TO
RECONSTRUCTED PARKING LOTS

GENERAL NOTES

1. THE APPLICABLE GENERAL NOTES FOR STANDARD 606001 SHALL APPLY.
2. THE ENGINEER'S APPROVAL SHALL BE OBTAINED IN WRITING BEFORE THE OPTIONAL METHOD OF CONSTRUCTION WILL BE ALLOWED. IF APPROVED, THE MONOLITHIC CURB WILL ALSO BE PAID FOR PER LIN. FT. (METER).
3. ACTUAL APPLICATIONS WILL ALSO BE SHOWN ON THE STATION CROSS-SECTIONS.
4. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LIN. FT. (METER) FOR CONCRETE CURB, TYPE B (SPECIAL) WHICH PRICE SHALL BE PAYMENT IN FULL FOR ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING EXCAVATION, THE 3/4" (20 mm) EXPANSION JOINTS, SAW CUTTING EXISTING PARKING LOTS WHEN REQUIRED, THE DRAINAGE OPENINGS WHEN REQUIRED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



TYPICAL DETAIL OF CONCRETE CURB,
TYPE B (SPECIAL)



SECTION A–A

CURB DETAIL ADJACENT TO EXISTING
OR RECONSTRUCTED PARKING LOTS

Note: All dimensions are in INCHES
(millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 60601005

USER NAME = Greg.Eaglin	DESIGNED -	REVISED - 11/06	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

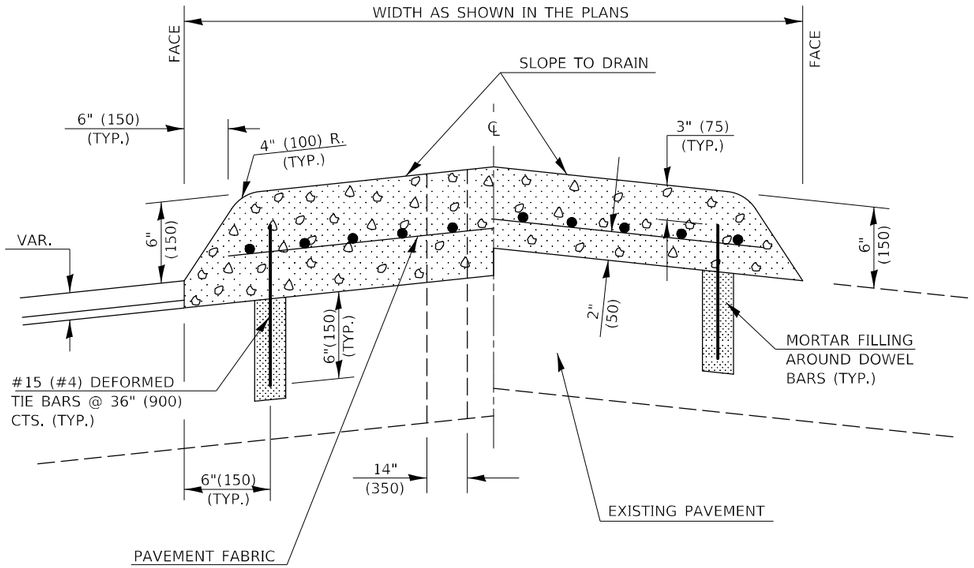
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE CURB, TYPE B (SPECIAL)

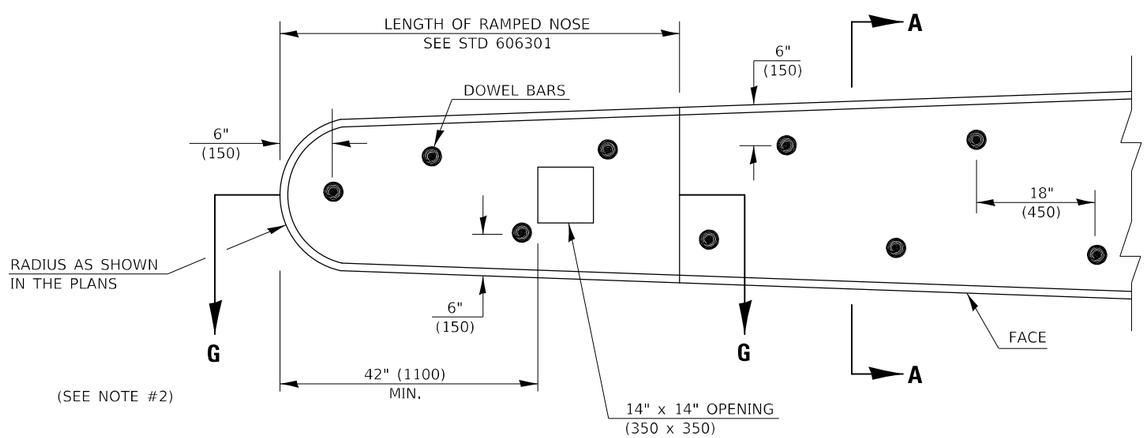
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	297
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

MODEL: $MODEL$NAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D570991\CADData\CADsheets\D570991-sht-Detail.dgn



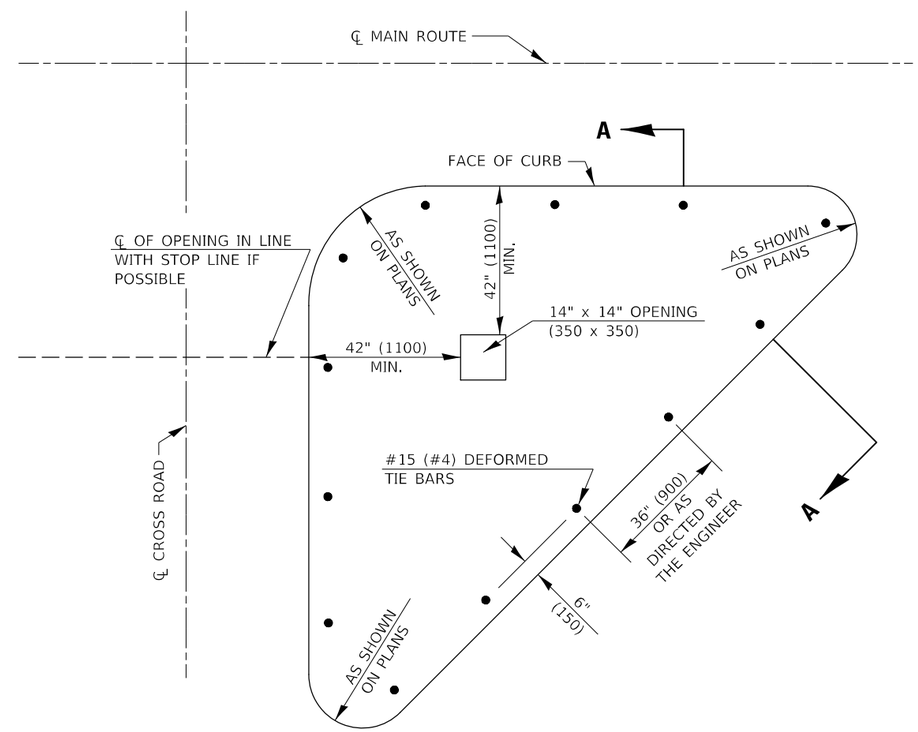
SECTION A–A



PLAN OF MEDIAN

GENERAL NOTES

1. THE GENERAL NOTES FOR STANDARD 606301 SHALL APPLY.
2. DOWEL BARS @ 36" (900) CTS. OR AS DIRECTED BY THE ENGINEER.
3. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ FOOT (m^2) FOR CONCRETE MEDIAN, TYPE SM (DOWELLED), INCLUDING THE COST OF FURNISHING AND INSTALLING THE DOWEL BARS, MORTAR FILLING, PAVEMENT FABRIC AND THE REMOVAL AND DISPOSAL OF THE EXISTING PAVEMENT FOR THE 14" x 14" (350 x 350) OPENING, IF REQUIRED, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
4. ISLAND AND MEDIAN NOSES SHALL BE RAMPED IN ACCORDANCE WITH STANDARD 606301.



PLAN OF CORNER ISLAND

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DESIGNER NOTE: INCLUDE STANDARD 606301 WHEN USING THIS DETAIL.

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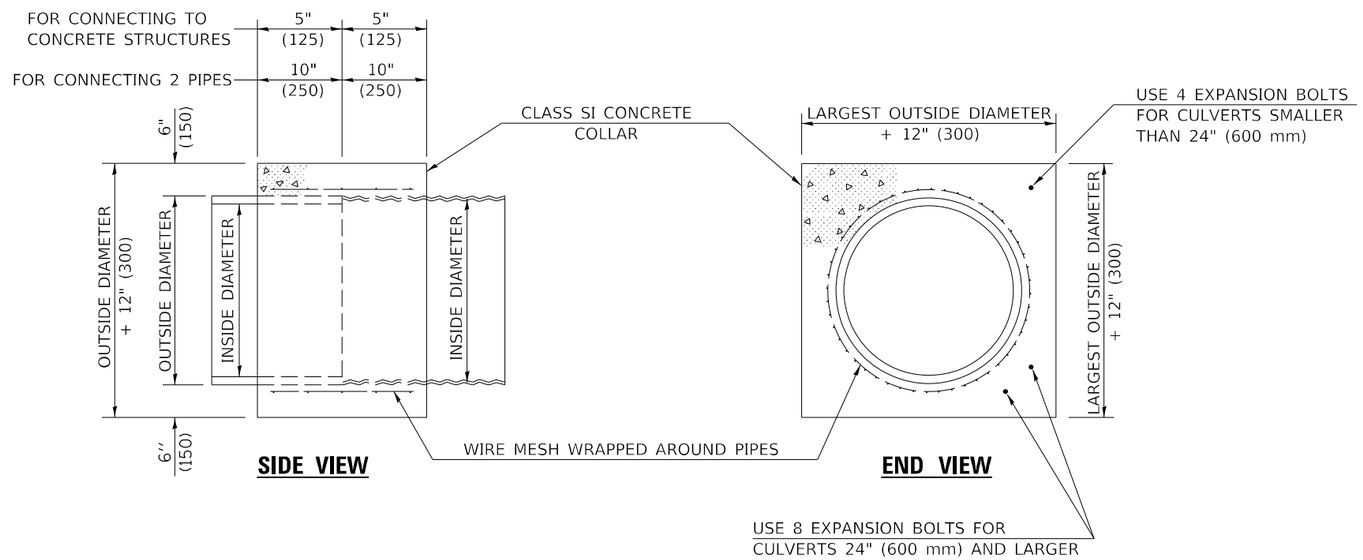
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D570991\CADData\CADsheets\D570991-sht-Detail5.dgn

DISTRICT 5 DETAIL NO. 60622354

USER NAME = Greg.Eaglin	DESIGNED -	REVISED - 11/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONCRETE MEDIAN, TYPE SM (DOWELLED)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - 08/09 KJT			804	25RS-6	CHAMPAIGN	306	298
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED - 07/14 JWS					CONTRACT NO. 70991		
PLOT DATE = 6/26/2024	DATE -	REVISED - 3/6/17 SWN		SCALE: NONE / SHEET 1 OF 1 SHEETS / STA. TO STA.			ILLINOIS	FED. AID PROJECT	



QUANTITIES FOR CONCRETE PIPES	
INSIDE DIAMETER OF PIPE INCH (mm)	ESTIMATED CLASS SI CONCRETE REQUIRED 20" (500 mm) WIDTH CU.YD. (m^3)
4" (100)	0.14 (0.11)
6" (150)	0.16 (0.12)
8" (200)	0.19 (0.14)
10" (250)	0.22 (0.17)
12" (300)	0.25 (0.19)
15" (375)	0.30 (0.23)
18" (450)	0.35 (0.27)
24" (600)	0.45 (0.35)
30" (750)	0.57 (0.43)
36" (900)	0.69 (0.53)
42" (1050)	0.83 (0.63)
48" (1200)	0.97 (0.74)
54" (1350)	1.12 (0.86)
60" (1500)	1.28 (0.98)

QUANTITIES FOR METAL PIPES	
INSIDE DIAMETER OF PIPE INCH (mm)	ESTIMATED CLASS SI CONCRETE REQUIRED 20" (500 mm) WIDTH CU.YD. (m^3)
4" (100)	0.12 (0.09)
6" (150)	0.14 (0.11)
8" (200)	0.16 (0.12)
10" (250)	0.19 (0.14)
12" (300)	0.21 (0.16)
15" (375)	0.25 (0.19)
18" (450)	0.29 (0.22)
24" (600)	0.38 (0.29)
30" (750)	0.47 (0.36)
36" (900)	0.59 (0.45)
42" (1050)	0.69 (0.53)
48" (1200)	0.81 (0.62)
54" (1350)	0.93 (0.71)
60" (1500)	1.05 (0.81)

GENERAL NOTES

1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
2. WHEN CONCRETE COLLARS ARE USED TO CONNECT PIPES OF DIFFERENT OUTSIDE DIAMETERS, THE CONCRETE COLLAR SHALL BE FORMED USING THE LARGEST OUTSIDE DIAMETER (SEE END VIEW).
3. THE WIRE MESH SHALL WEIGH NOT LESS THAN 54#/100 SQ. FT. (2.63 kg/m^2).
4. WHEN CONCRETE COLLARS ARE CONSTRUCTED ADJACENT TO AN EXISTING CONCRETE STRUCTURE (HEADWALLS, ETC.) EXPANSION BOLTS, SHALL BE USED AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, EACH, FOR EXPANSION BOLTS OF THE SIZE SPECIFIED IN THE PLANS.
5. CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, PER CUBIC YARD (CUBIC METER), FOR CONCRETE COLLARS INCLUDING ALL MATERIAL AND LABOR SPECIFIED TO COMPLETE THE WORK IN PLACE.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 54248510

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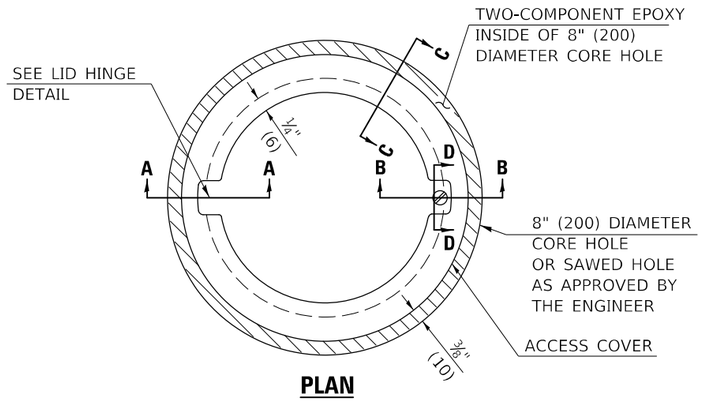
USER NAME = Greg.Eaglin	DESIGNED -	REVISED - 12/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

CONCRETE COLLAR

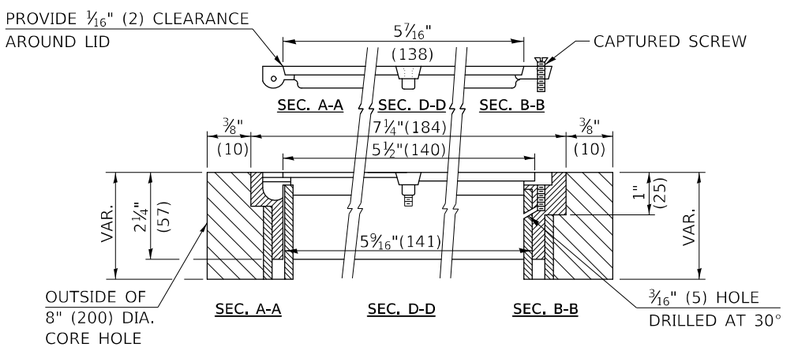
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA.

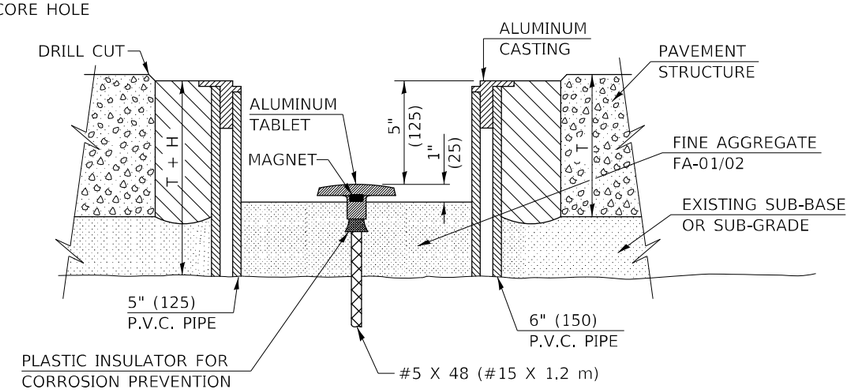
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	299
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS)



PLAN





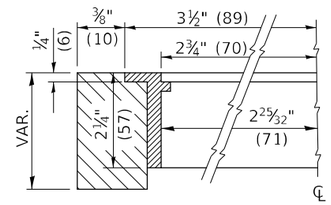
ELEVATION

LEGEND

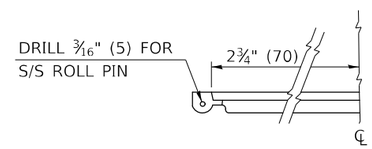
- ALUMINUM CASTING
- 5" (125) OR 6" (150) P.V.C. PIPE
- TWO-COMPONENT EPOXY

T = THICKNESS OF PAVEMENT STRUCTURE

H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)



SECTION C–C



LID HINGE DETAIL

SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE ASSEMBLY AS ITS LOCKING MECHANISM. THE ACCESS COVER SHALL INCORPORATE A SPECIAL ACCESS HOLE FOR CLEANING AND DRAINAGE, DRILLED AT 30° INSIDE THE RING OF THE ACCESS COVER, TO THE DRILLED AND TAPPED HOLE PROVIDED FOR THE STAINLESS CAPTURED SCREW. COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD - 19,000-21,000 PSI (131-145 MPa); TENSILE - 38,000-44,000 PSI (262-303 MPa); ELONGATION - 10-15% IN 2" (50 mm). SPECIFICATIONS: ALLOY 535.0; QQ-A-601Es. NO EXCEPTIONS.

RE-BAR-SURVEY MARKER, TYPE I, (SPECIAL) TO BE FURNISHED BY THE CONTRACTOR AND SET BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR (SEE SPECIAL DETAIL SHEET FOR ALUMINUM TABLET AND RE-BAR SPECIFICATIONS).

BILL OF MATERIAL
ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40, ALUMINUM TABLET, STAMPED IN ACCORDANCE WITH STANDARD 667101. ⅝" X 48" (#15 X 1.2 m) RE-BAR, EPOXY AND FA-01/02 AGGREGATE.

GENERAL NOTES

1. ALUMINUM CASTING SHALL BE EITHER PLACED OVER A 5" (125 mm) P.V.C. PIPE OR INSIDE OF A 6" (150 mm) P.V.C. PIPE.
2. BACKFILL WITH FINE AGGREGATE - FA-01/02.
3. WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
4. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MARKER VAULT WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING, EPOXY AND FA-01/02 AGGREGATE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
5. THE CASTING SHALL BE ANCHORED IN THE 8" (200 mm) DIAMETER CORE HOLE WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
6. ALL SURVEY MARKER (VAULTS) SHALL BE PLACED 1/4" (6 mm) BELOW THE FINAL SURFACE.
7. THE 8" (200 mm) DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. X0301232

USER NAME = Greg.Eaglin	DESIGNED -	REVISED - 11/06	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SURVEY MARKER VAULT

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA.

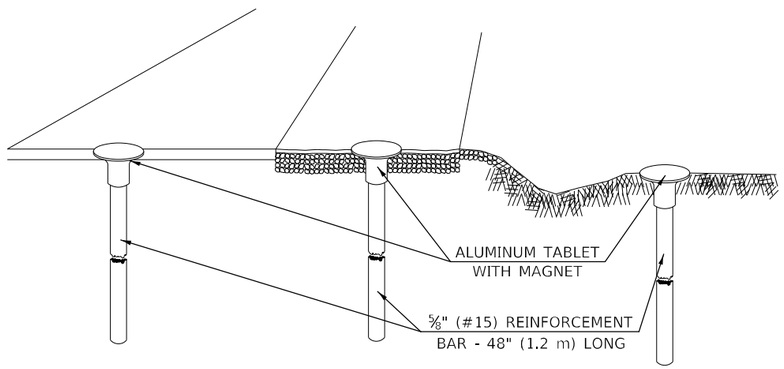
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	300
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

MODEL: $MODELNAME$
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Project\D57099\CADData\CADsheets\D57099-sht-Details.dgn

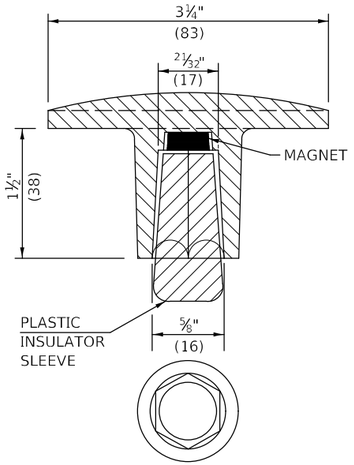
DESIGNER NOTE: BDE 58-8.02 "PLACE MARKERS AT THE PT'S AND PC'S OF ALL HORIZONTAL CURVES AND SPACE THEM ALONG TANGENTS SO THAT TWO MARKERS ARE ALWAYS INTERVISIBLE."

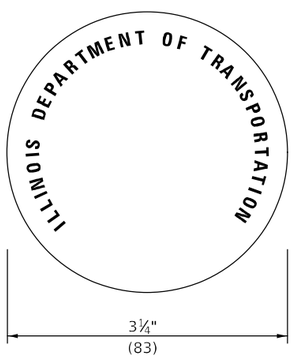
XZ193300 – SURVEY MARKER, TYPE 1 (SPECIAL)

TO BE INSTALLED IN FLEXIBLE PAVEMENT OR SHOULDER, BITUMINOUS TREATED SURFACE AND TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



IN FLEXIBLE PAVEMENT OR SHOULDER | IN BITUMINOUS TREATED SURFACE | IN TURF AREAS WITHIN R.O.W.





THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. THE CONTRACT UNIT PRICE, EACH, FOR SURVEY MARKER, TYPE 1 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE REINFORCEMENT BAR AND ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE.
2. ALL SURVEY MARKERS, TYPE 1 (SPECIAL) SHALL BE PLACED ±1/4" (6 mm) BELOW THE FINAL SURFACE.
3. WHEN THE TABLET AND REBAR ARE PLACED AS PART OF A SURVEY MARKER VAULT, THEY SHALL BE CONSIDERED AS INCLUDED IN THAT PAY ITEM AND THERE WILL BE NO PAYMENT FOR THE SURVEY MARKER, TYPE 1 (SPECIAL).

SPECIFICATIONS FOR ALUMINUM TABLET

SURVEY CAP FOR REBAR. 3¼" (83 mm) CONVEX SURVEY CAP FOR ⅝" (15 mm) REBAR WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM 1½" (38 mm) LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

COMPOSITION: ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%; STRENGTH: YIELD 28 KSI (193 MPa), ULTIMATE 32 KSI (221 MPa). ELONGATION 15% [IN 2" (50 mm)]. SPECIFICATIONS: ALUMINUM ALLOY 6101-0; ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.

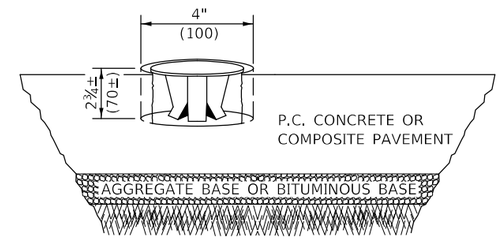
SPECIFICATIONS FOR REBAR

REBAR FOR ALUMINUM TABLET. REINFORCEMENT BAR SHALL BE ⅝" (#15) X 48" (1.2 m) (DEFORMED).

INSPECTION OF REINFORCEMENT BAR ⅝" (#15) SHALL BE DONE BY DISTRICT PERSONNEL OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS.

XZ193400 – SURVEY MARKER, TYPE 2 (SPECIAL)

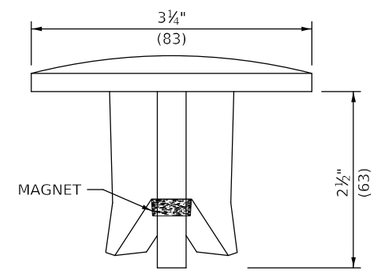
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



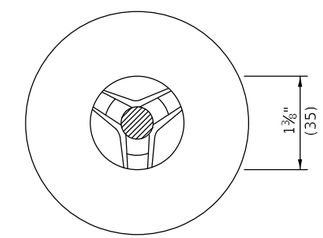
SPECIFICATIONS FOR ALUMINUM TABLET (FORKED)

ALUMINUM TABLET (FORKED) FOR USE WITH "SURVEY MARKER, TYPE 2, (SPECIAL)" SHALL BE AS SHOWN ON THE DETAIL FOR THE 3¼" (83 mm) CONVEX SURVEY TABLET WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE FOR LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM TABLET SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM TABLET SHALL BE DESIGNED NOT TO TURN OR ROTATE. THREE PRONGS ON A 2½" (63 mm) STEM SHALL BE SUCH THAT THE ALUMINUM TABLET CANNOT BE EASILY REMOVED.

COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD 19,000-21,000 PSI (131-145 MPa); TENSILE 38,000-44,000 PSI (262-303 MPa); ELONGATION 10-15% [IN 2" (50 mm)]. SPECIFICATIONS: ALLOY 535.0; QQ-A-601ES. NO EXCEPTIONS.



SIDE VIEW



BOTTOM VIEW

THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
2. THE ALUMINUM TABLET (FORKED) SHALL REST UPON THE BOTTOM OF THE 4" (100 mm) CORE HOLE. IF THE HOLE IS TOO DEEP, EPOXY GROUT MUST BE USED TO DECREASE THE DEPTH AND ALLOWED TO HARDEN BEFORE PROCEEDING.
3. THE ALUMINUM TABLET SHALL BE ANCHORED IN THE 4" (100 mm) DIAMETER HOLE IN THE NEW PAVEMENT WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
4. THE 4" (100 mm) CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
5. THE CONTRACT PRICE, EACH, FOR SURVEY MARKER, TYPE 2 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE, AS SPECIFIED, INCLUDING CORING THE NEW PAVEMENT.
6. ALL SURVEY MARKERS, TYPE 2 (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. XZ193AAA

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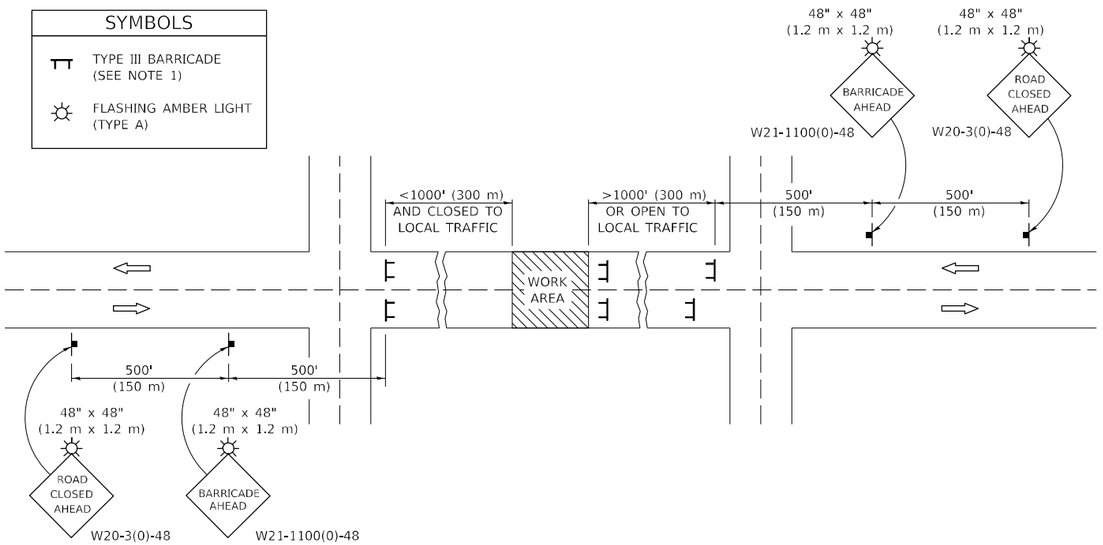
USER NAME = Greg.Eaglin	DESIGNED -	REVISED - 11/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - 11/10	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

SURVEY MARKERS TYPE 1 & 2 (SPECIAL)

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	301
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

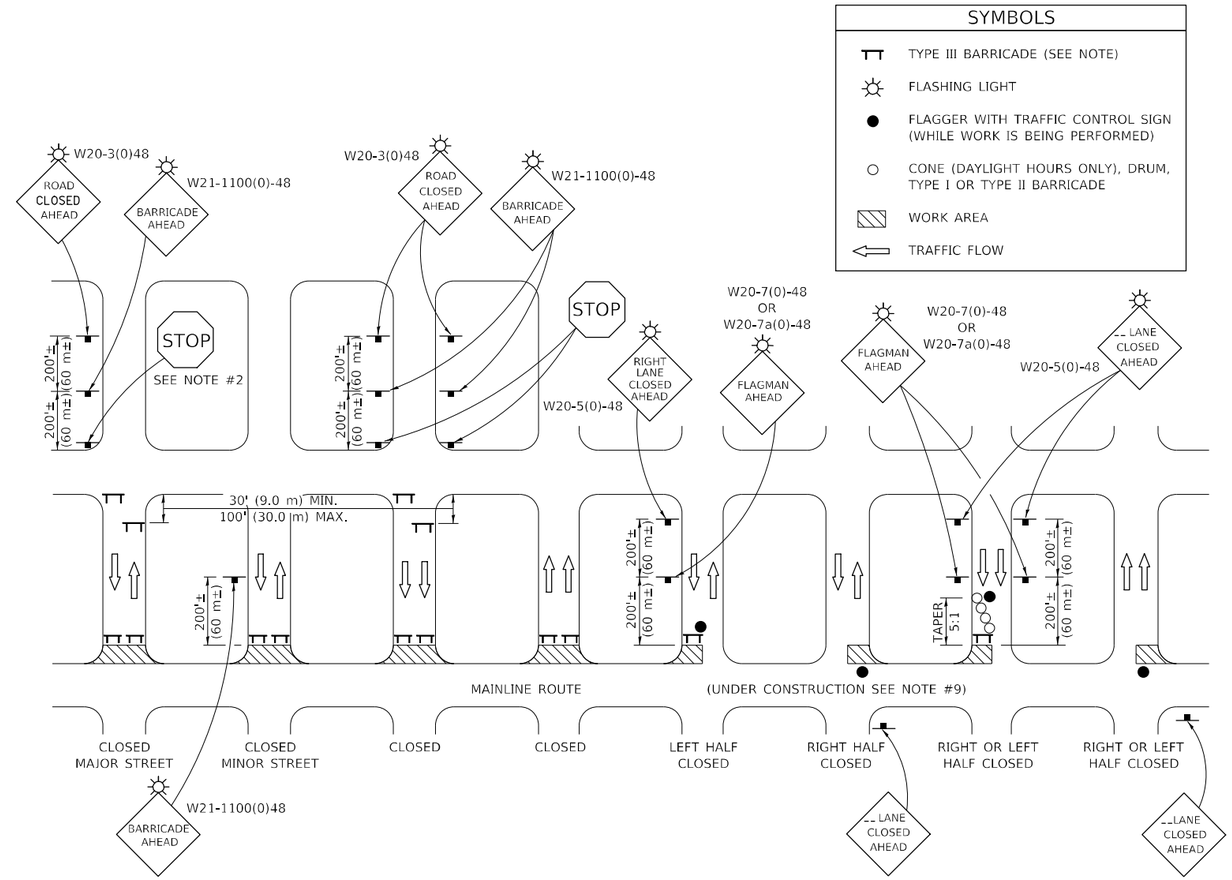
ROAD CLOSURE



GENERAL NOTES

1. TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 701901 "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
2. IF THE ROAD IS OPEN TO LOCAL TRAFFIC OR EXCEEDS 1000' (300 m), ANOTHER SET OF TYPE III BARRICADES, EQUIPPED AS IN NOTE 1 ABOVE, SHALL BE PLACED AT EACH END OF THE WORK AREA.
3. WHEN A STOP CONDITION EXISTS, NO SIGNS ARE REQUIRED IN ADVANCE OF THE "STOP" SIGN WHEN THE ROAD IS CLOSED WITHIN 100' (30 m) OF THE INTERSECTION.
4. STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
5. IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.
6. REFLECTORIZED STRIPING SHALL APPEAR ON BOTH SIDES OF THE TY III BARRICADES IF ROAD IS OPEN TO LOCAL TRAFFIC.
7. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
8. A MINIMUM OF TWO FLASHING LIGHTS SHALL BE USED AT NIGHT ON EACH APPROACH IN ADVANCE OF THE WORK AREA. FLASHING LIGHTS SHALL BE INSTALLED ABOVE THE FIRST TWO SIGNS IN THE SERIES.
9. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
10. FORMS BT. 725 AND BT. 726 ARE REQUIRED.
11. WHEN A SIDEROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC DEVICES SHALL BE ERECTED AND PROVIDED AS DIRECTED BY THE ENGINEER.
12. AN ADDITIONAL SIGN MAY BE REQUIRED AT A MAJOR INTERSECTING ROAD IN ADVANCE OF THE CLOSURE. THE ADDITIONAL SIGN SHALL GIVE THE DISTANCE TO THE BARRICADE IN MILES OR FRACTIONS OF A MILE.

SIDEROAD / STREET CLOSURE



GENERAL NOTES

1. TYPE III BARRICADES SHALL BE AS SHOWN ON "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
2. WHERE A STOP CONDITION EXISTS, AS SHOWN ABOVE, WARNING SIGNS MAY BE OMITTED IN ADVANCE OF THE "STOP" SIGN.
3. STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & MANUFACTURE OF TYPE III BARRICADES.
4. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
5. ONE FLASHING LIGHT IS REQUIRED ABOVE EACH ADVANCE WARNING SIGN DURING HOURS OF DARKNESS.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
7. FORMS BT 725 AND BT 726 ARE REQUIRED.
8. THE MAINLINE ROUTE TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
9. ALL FLAGGERS REQUIRED AT SIDE ROADS AND ENTRANCES REMAINING OPEN TO TRAFFIC AND/OR ADDITIONAL BARRICADES REQUIRED BY THE ENGINEER TO CLOSE SIDE ROADS AND ENTRANCES WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 70200000

USER NAME = Greg.Eaglin	DESIGNED -	REVISED - 11/06	
	DRAWN -	REVISED - 12/07	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED - 09/09 KJT	
PLOT DATE = 6/26/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL & PROTECTION DEVICES
(ROAD & SIDEROAD / STREET CLOSURES)

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	302
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

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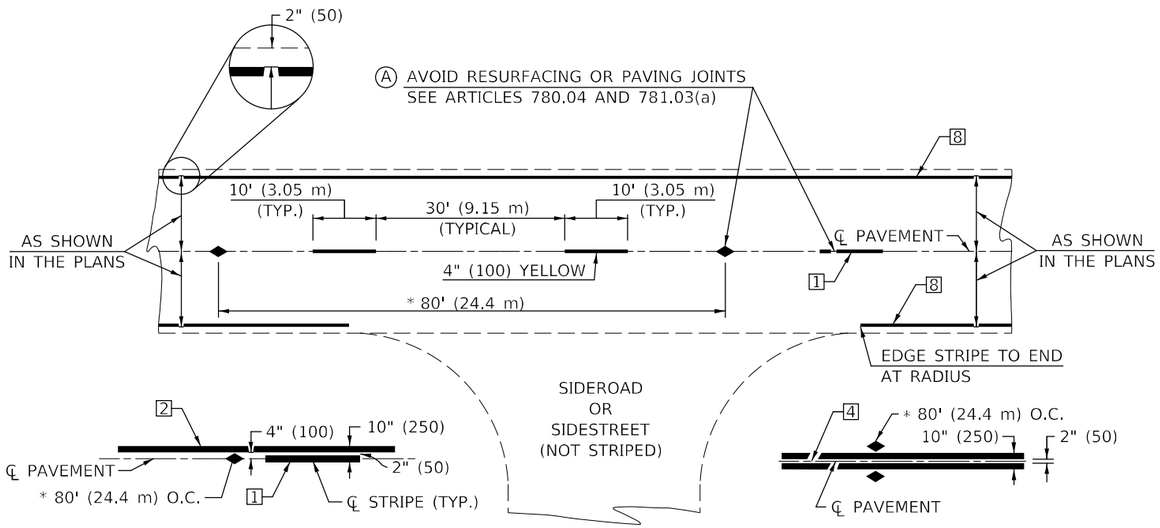


SINGLE NO PASSING

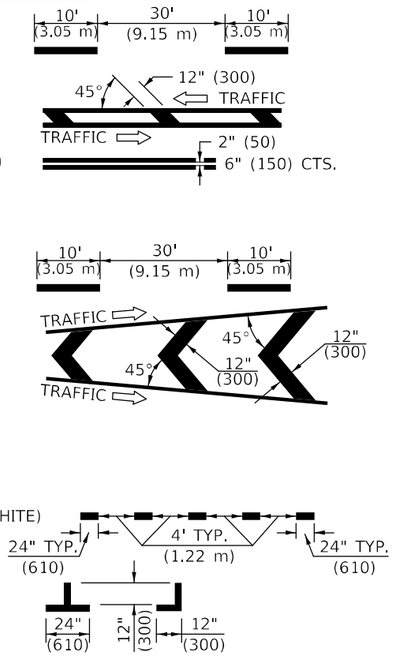
DOUBLE NO PASSING

* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

TWO LANE/TWO WAY

TYPICAL PAVEMENT MARKING LEGEND

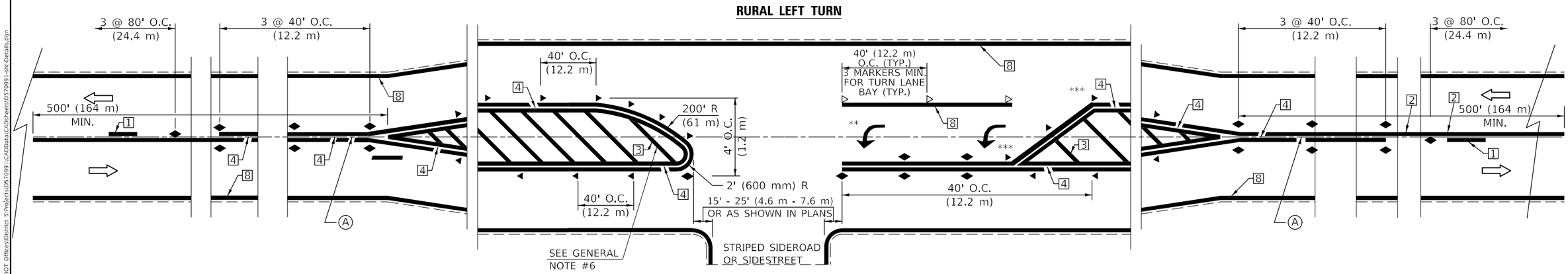
1. 4" (100) SKIP-DASH (YELLOW)
2. 4" (100) SOLID (YELLOW)
3. 12" (300) DIAGONAL (YELLOW)
4. 4" (100) DOUBLE YELLOW (NARROW)
5. RESERVED
6. RESERVED
7. 4" (100) SKIP-DASH (WHITE)
8. 4" (100) SOLID (WHITE)
9. 12" (300) DIAGONAL (WHITE)
10. 6" (150) SOLID (WHITE)
11. 24" (600) STOP BAR (WHITE)
12. 8" (200) SOLID (WHITE)
13. 4" (100) LANE LINE EXTENSIONS (WHITE)
14. 4" (100) PARKING WHITE



TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

RURAL LEFT TURN



*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

USER NAME = Greg.Eaglin	DESIGNED -	REVISED - 4/2014 JLA	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
	DRAWN -	REVISED - 3/2019 SWN		
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED - 8/2022 JLA		
PLOT DATE = 6/26/2024	DATE -	REVISED - 9/2022 JWS		SCALE: NONE · SHEET 1 OF 4 SHEETS · STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	303
		CONTRACT NO. 70991		
		ILLINOIS FED. AID PROJECT		

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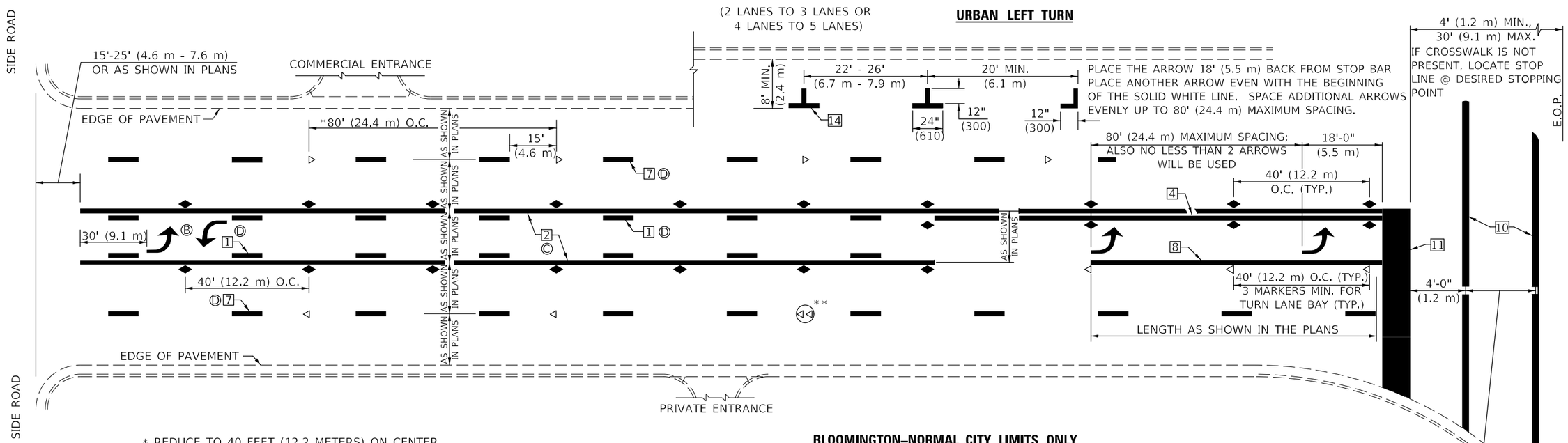


* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

GENERAL NOTES:

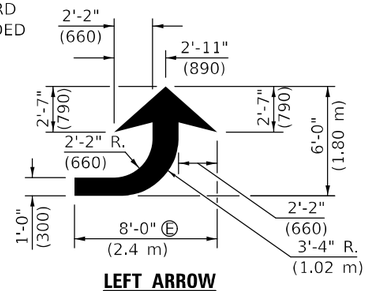
Ⓑ TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.

Ⓒ THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.

Ⓓ THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.

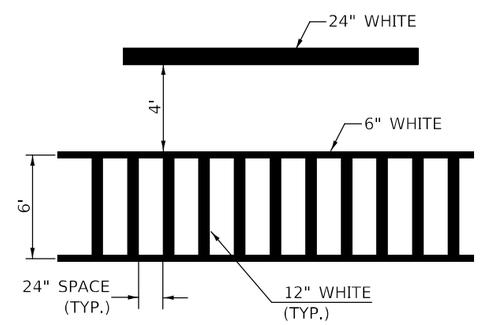
Ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)

BLOOMINGTON–NORMAL CITY LIMITS ONLY

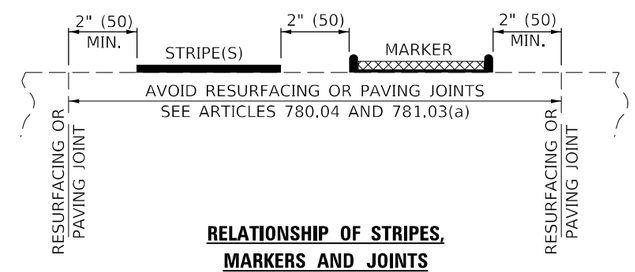


LEFT ARROW

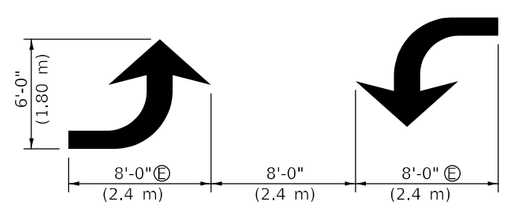
REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m^2)
(WHITE)



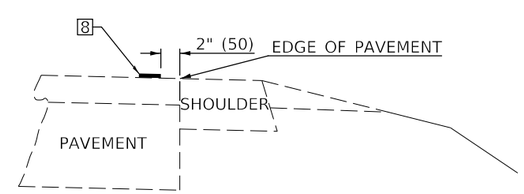
TYPICAL SPACING FOR CROSSWALKS & STOP BARS



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS



TYPICAL DOUBLE TURN ARROWS (WHITE)



RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT

(SAFETY SHOULDER OR PAVED SURFACE)
SEE ARTICLE 780.04

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

USER NAME = Greg.Eaglin	DESIGNED -	REVISED - 4/2014 JLA	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
	DRAWN -	REVISED - 3/2019 SWN		
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED - 8/2022 JLA		
PLOT DATE = 6/26/2024	DATE -	REVISED - 9/2022 JWS		SCALE: NONE SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	304
		CONTRACT NO. 70991		
		ILLINOIS	FED. AID PROJECT	

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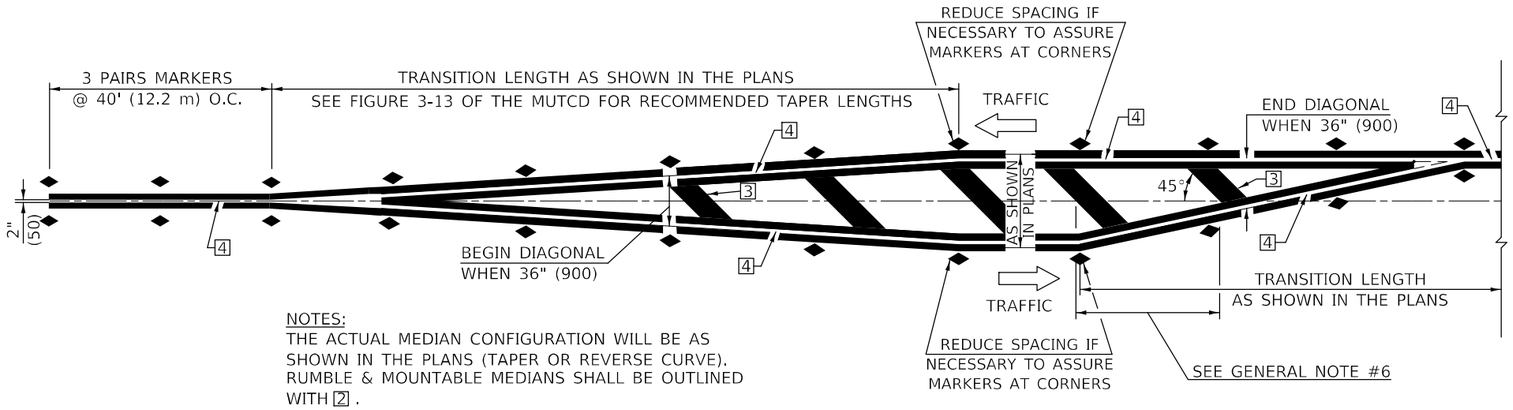
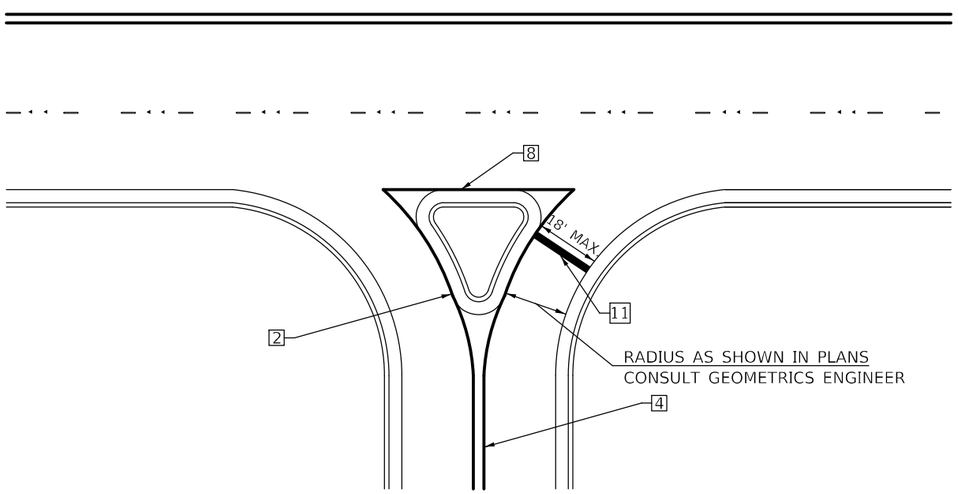


NOTES:
THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE). RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH 2 .

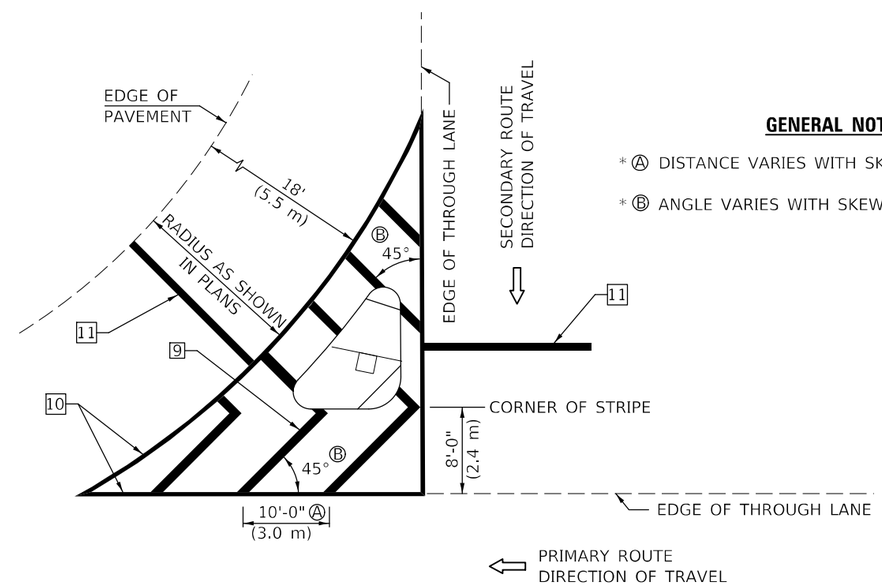
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
   <30 MPH USE 15' (<50 km/h USE 4.5 m)
   30-45 MPH USE 20' (50-75 km/h USE 6.0 m)
   >45 MPH USE 30' (>75 km/h USE 9.0 m)



RIGHT IN – RIGHT OUT ACCESS



GENERAL NOTES

* Ⓐ DISTANCE VARIES WITH SKEW OF INTERSECTION.
* Ⓑ ANGLE VARIES WITH SKEW OF INTERSECTION.

ISLAND

* FOR RIGHT TURN LANE AND ISLAND STRIPING CONSULT GEOMETRICS ENGINEER.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

USER NAME = Greg.Eaglin	DESIGNED -	REVISED - 4/2014 JLA	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - 3/2019 SWN	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED - 8/2022 JLA	
PLOT DATE = 6/26/2024	DATE -	REVISED - 9/2022 JWS	

PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

SCALE: NONE | SHEET 3 OF 4 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	305
		CONTRACT NO. 70991		
		ILLINOIS FED. AID PROJECT		

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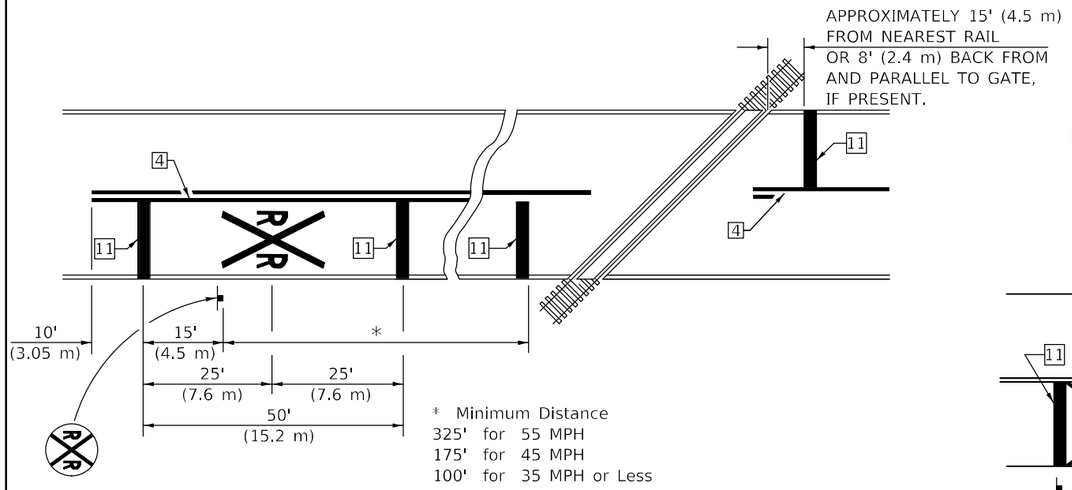
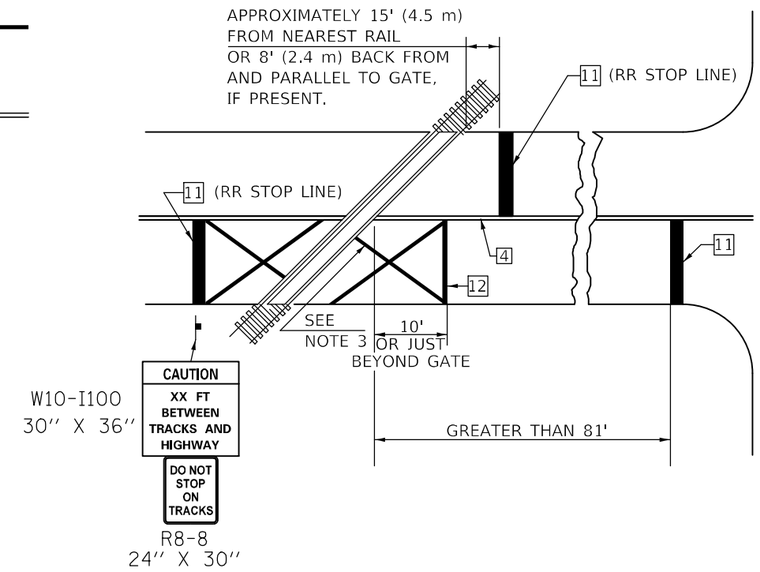
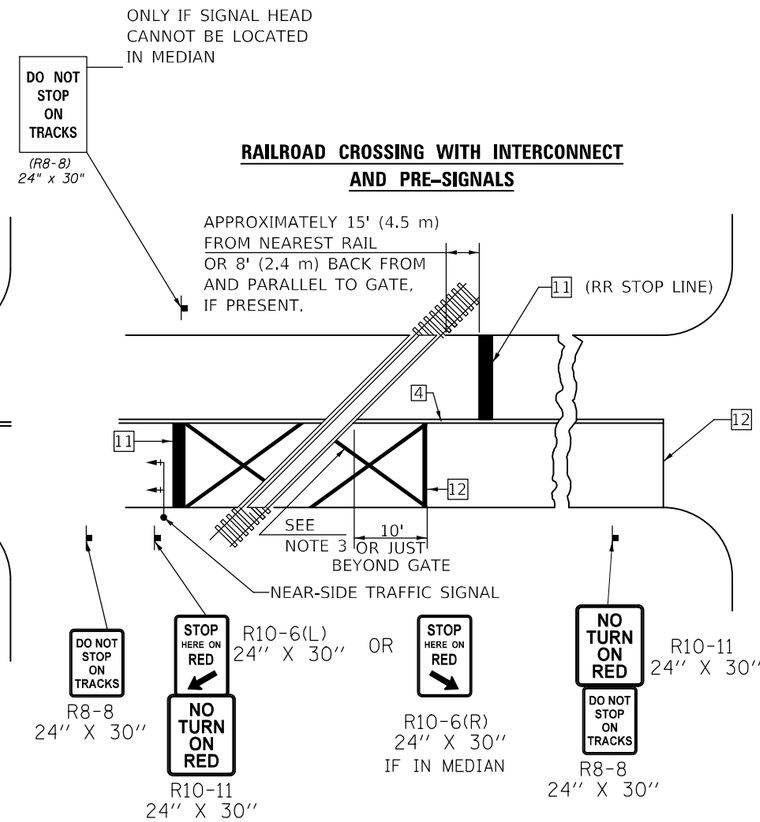


PAVEMENT MARKINGS AT
RAILROAD–HIGHWAY GRADE CROSSING

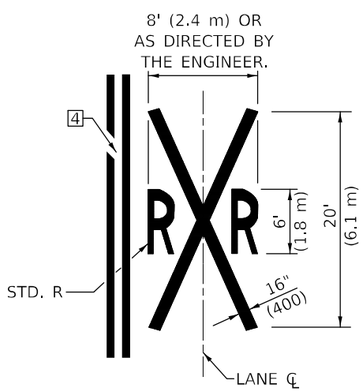
RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT
AND PRE–SIGNALS



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR
RAILROAD–HIGHWAY GRADE CROSSING



GENERAL NOTES

1. SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.

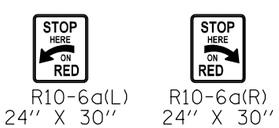
2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.

3. 6" WHITE PAVEMENT MARKINGS AT 45° TO PAVEMENT, 8' CENTER TO CENTER.

4. XX DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICH EVER IS CLOSEST, ROUNDED DOWN TO NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.

5. THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTENDED TO THE INTERSECTION.

ALTERNATE SIGNS



NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DESIGNER NOTE: SEE TABLE 2C-4 OF THE MUTCD FOR ADDITIONAL INFORMATION

MODEL: $MODEL$NAME
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57099\CADData\CADsheets\D5700991-sht-Details.dgn

USER NAME = Greg.Eaglin	DESIGNED -	REVISED -	4/2014 JLA	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	3/2019 SWN	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	8/2022 JLA	
PLOT DATE = 6/26/2024	DATE -	REVISED -	9/2022 JWS	

PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)

SCALE: NONE | SHEET 4 OF 4 SHEETS | STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
804	25RS-6	CHAMPAIGN	306	306
		CONTRACT NO. 70991		
		ILLINOIS FED. AID PROJECT		