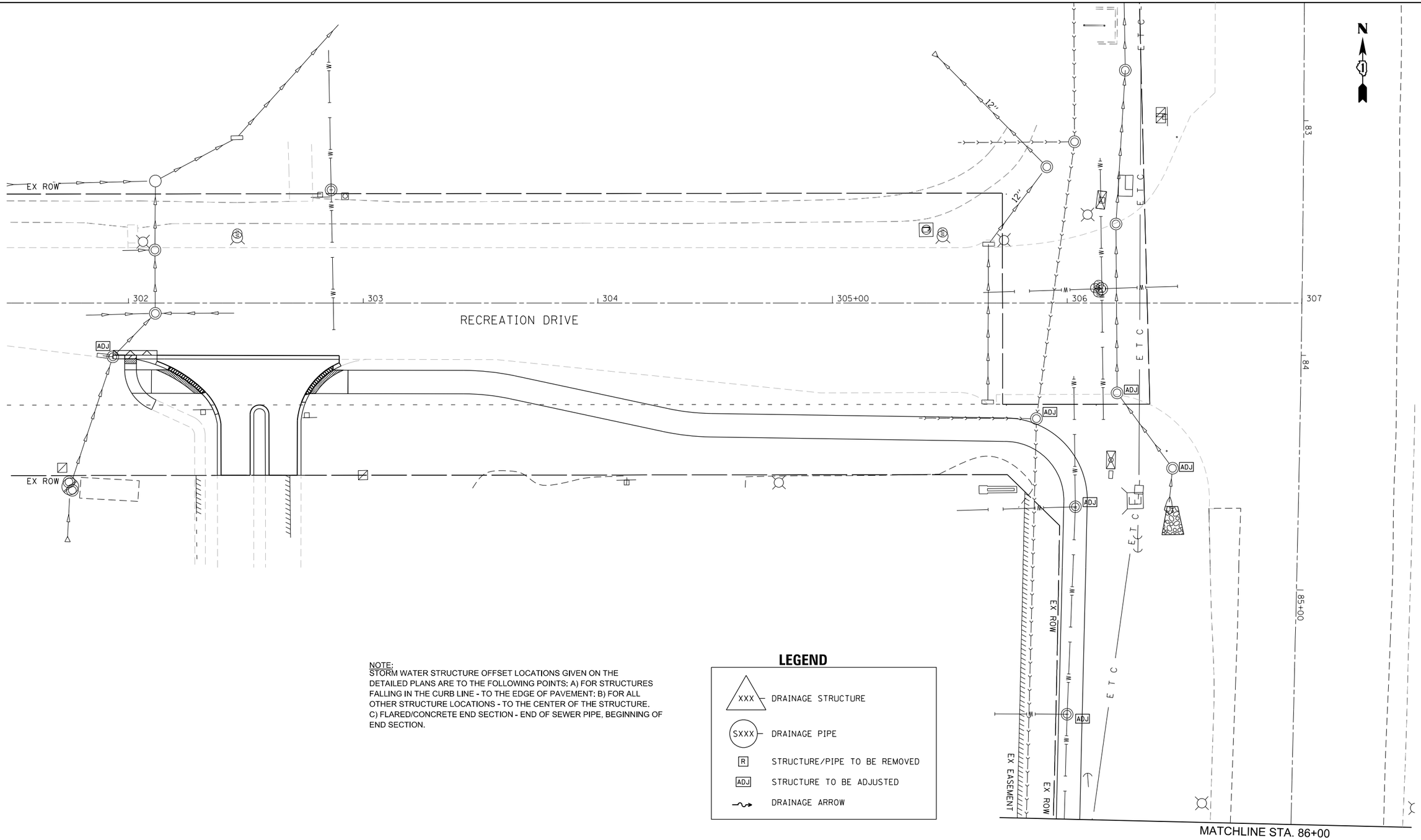


NOTE:
STORM WATER STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS: A) FOR STRUCTURES FALLING IN THE CURB LINE - TO THE EDGE OF PAVEMENT: B) FOR ALL OTHER STRUCTURE LOCATIONS - TO THE CENTER OF THE STRUCTURE. C) FLARED/CONCRETE END SECTION - END OF SEWER PIPE, BEGINNING OF END SECTION.

LEGEND

XXX	DRAINAGE STRUCTURE
SXXX	DRAINAGE PIPE
R	STRUCTURE/PIPE TO BE REMOVED
ADJ	STRUCTURE TO BE ADJUSTED
~→	DRAINAGE ARROW

MODEL: Default
FILE NAME: W:\894-088 Randall at Higgins Phase II Engineering\CADD_Sheets\011_Drainage and Utilities Plans\19-00514-00-WR_Plan_020.dgn

BLA, Inc.

USER NAME = cesario	DESIGNED - TN	REVISED -	
	DRAWN - TN	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -	
PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

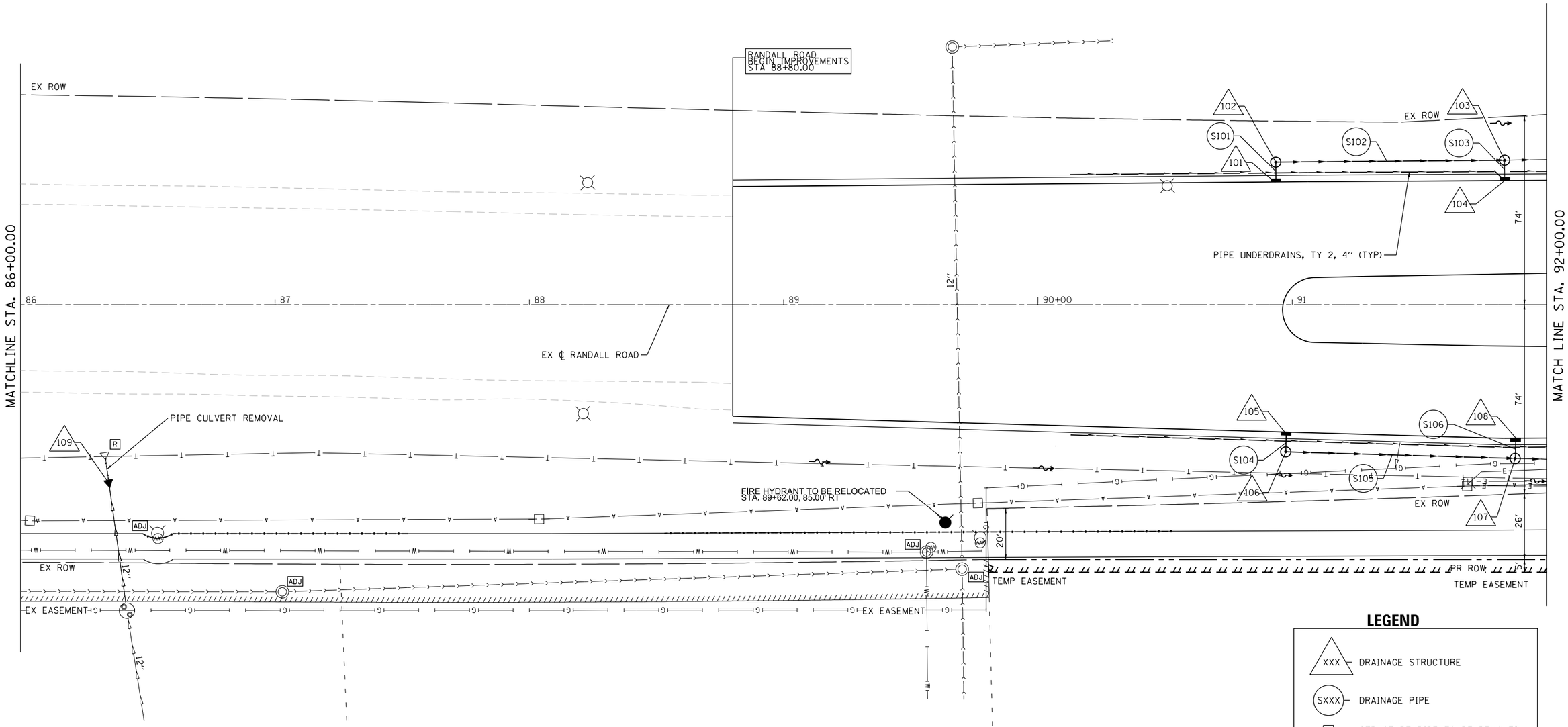
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
DRAINAGE AND UTILITY PLAN AND PROFILE

SCALE: 1" = 20' | SHEET 1 OF 19 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	101

CONTRACT NO. 61L28

ILLINOIS FED. AID PROJECT



LEGEND

XXX	DRAINAGE STRUCTURE
SXXX	DRAINAGE PIPE
R	STRUCTURE/PIPE TO BE REMOVED
ADJ	STRUCTURE TO BE ADJUSTED
~→	DRAINAGE ARROW

0 20 40 60
SCALE IN FEET

NOTE:
STORM WATER STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS: A) FOR STRUCTURES FALLING IN THE CURB LINE - TO THE EDGE OF PAVEMENT: B) FOR ALL OTHER STRUCTURE LOCATIONS - TO THE CENTER OF THE STRUCTURE. C) FLARED/CONCRETE END SECTION - END OF SEWER PIPE, BEGINNING OF END SECTION.

MODEL: Default
FILE NAME: W:\99-088 Randall at Higgins Phase II Engineering\CADD Sheets\011 Drainage and Utilities Plans\19-00514-00-WR_Plan_001.dgn

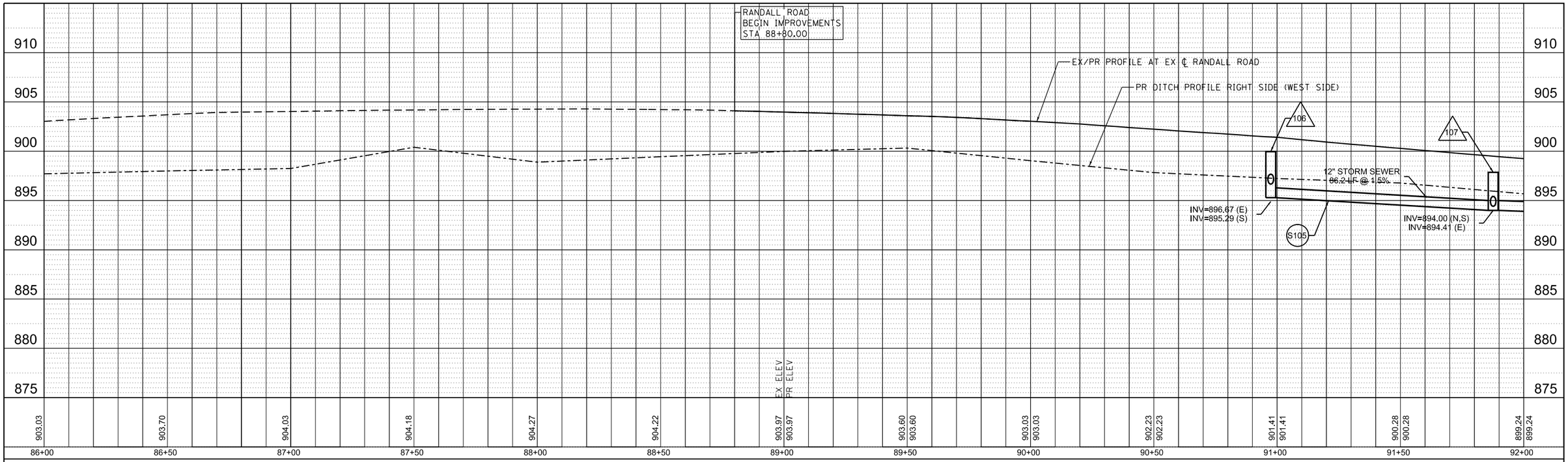
BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -
		DRAWN - TN	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -
	PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
DRAINAGE AND UTILITY PLAN AND PROFILE

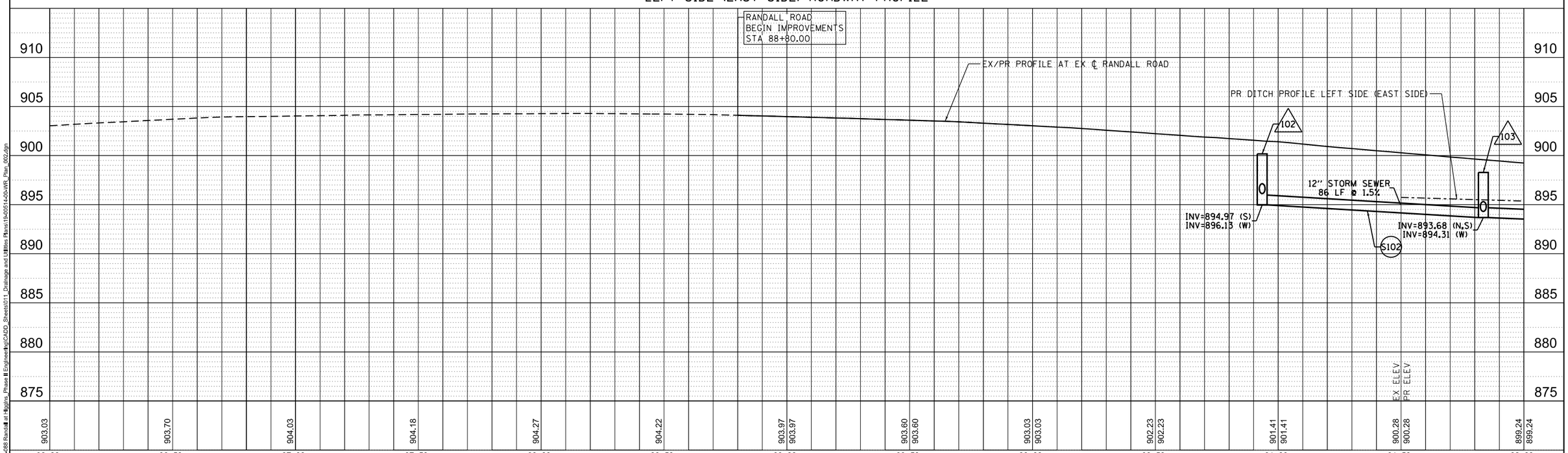
SCALE: 1"=20' | SHEET 2 OF 19 SHEETS | STA. 86+00.00 TO STA. 92+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	102
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		



RIGHT SIDE (WEST SIDE) ROADWAY PROFILE

LEFT SIDE (EAST SIDE) ROADWAY PROFILE



PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
CADD FILE NAME		
NOTE BOOK NO.		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
B.M. NOTED		
STRUCTURE NOTATNS CHKD		
NOTE BOOK NO.		

MODEL: Default
FILE NAME: W:\894-088 Randall at Higgins_Phase II Engineering\CADD_Sheets\011_Drainage and Utilities Plans\19-00514-00-WR_Plan_002.dgn

BLA, Inc.

USER NAME = cesario	DESIGNED - TN	REVISED -
	DRAWN - TN	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -
PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
DRAINAGE AND UTILITY PLAN AND PROFILE

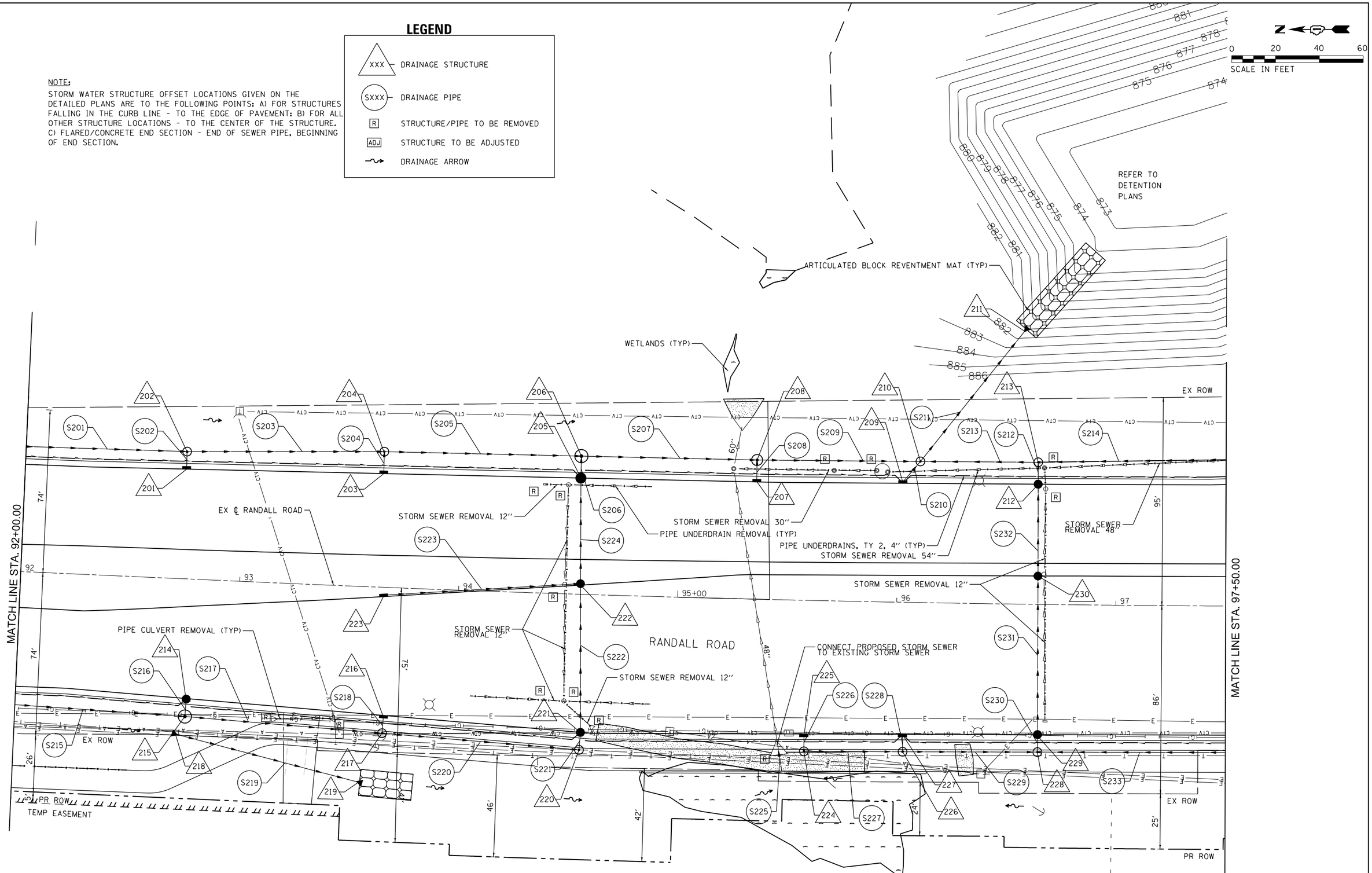
SCALE: 1"=20' | SHEET 3 OF 19 SHEETS | STA. 89+50.00 TO STA. 95+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	103
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		

NOTE:
STORM WATER STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS: A) FOR STRUCTURES FALLING IN THE CURB LINE - TO THE EDGE OF PAVEMENT: B) FOR ALL OTHER STRUCTURE LOCATIONS - TO THE CENTER OF THE STRUCTURE. C) FLARED/CONCRETE END SECTION - END OF SEWER PIPE, BEGINNING OF END SECTION.

LEGEND

- XXX — DRAINAGE STRUCTURE
- SXXX — DRAINAGE PIPE
- R — STRUCTURE/PIPE TO BE REMOVED
- ADJ — STRUCTURE TO BE ADJUSTED
- DRAINAGE ARROW



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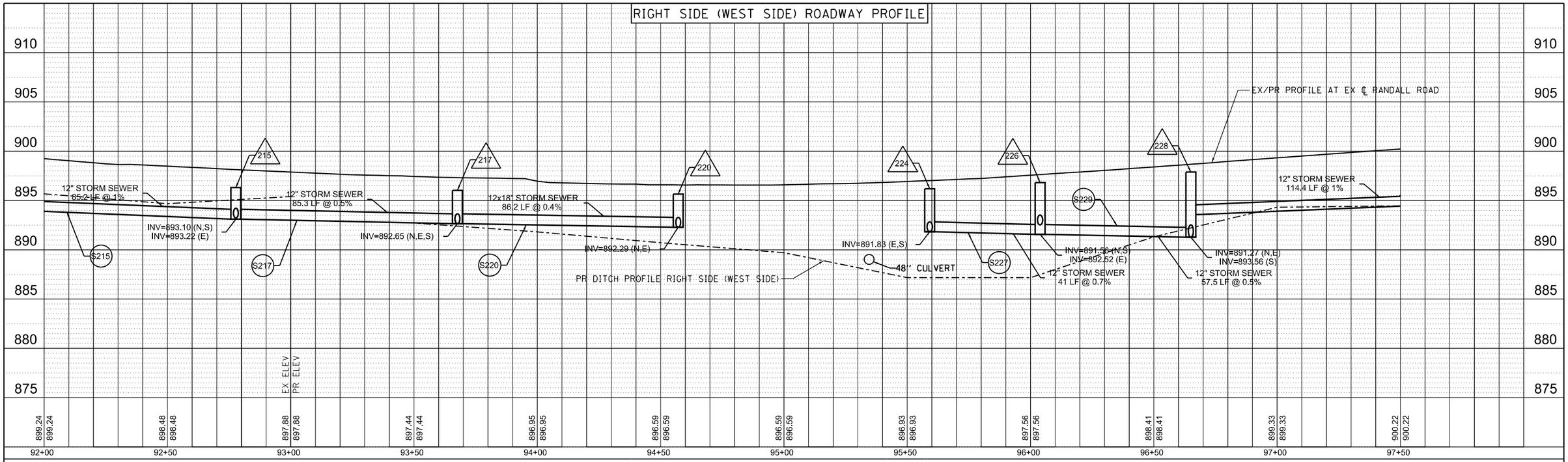
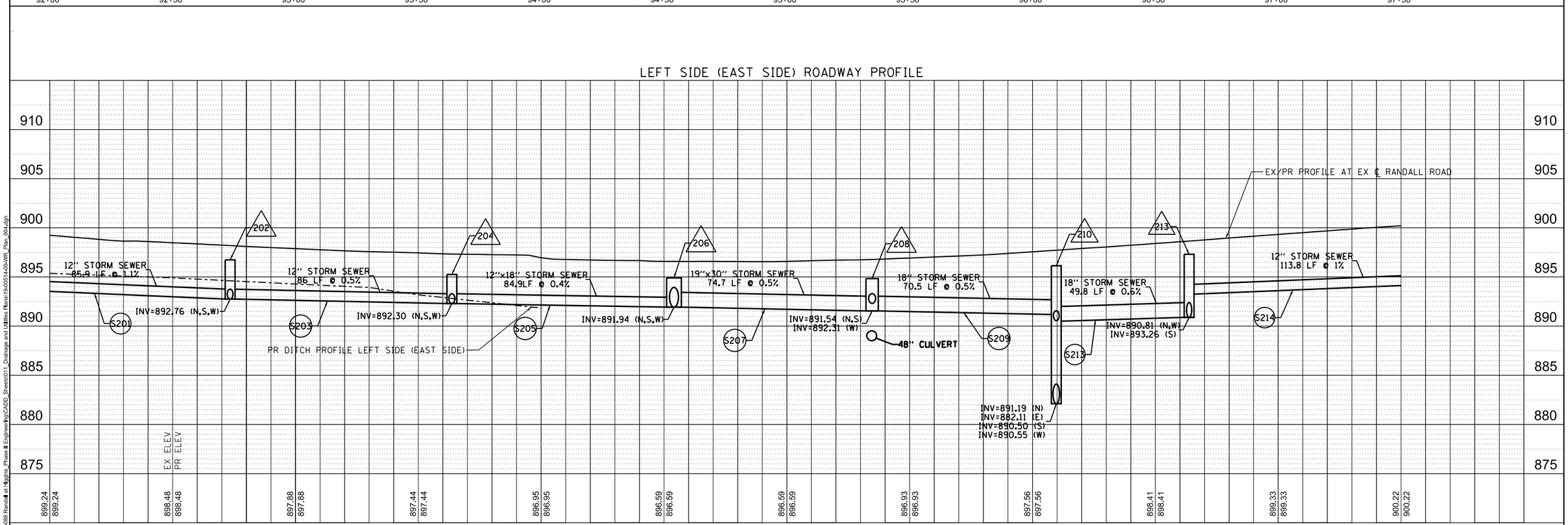
FILE NAME: W:\894-098 Randall at Higgins_Phase II Engineering\CADD_Sheets\011_Drainage and Utilities Plans\19-00514-00-WR_Plan_003.dgn

BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) DRAINAGE AND UTILITY PLAN AND PROFILE
		DRAWN - TN	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -		
	PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=20' SHEET 4 OF 19 SHEETS STA. 92+00.00 TO STA. 97+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	104
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		





PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
CADD FILE NAME		
NOTE BOOK NO.		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
B.M. NOTED		
STRUCTURE NOTATNS CHKD		
NOTE BOOK NO.		

MODEL: Default
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BLA, Inc.

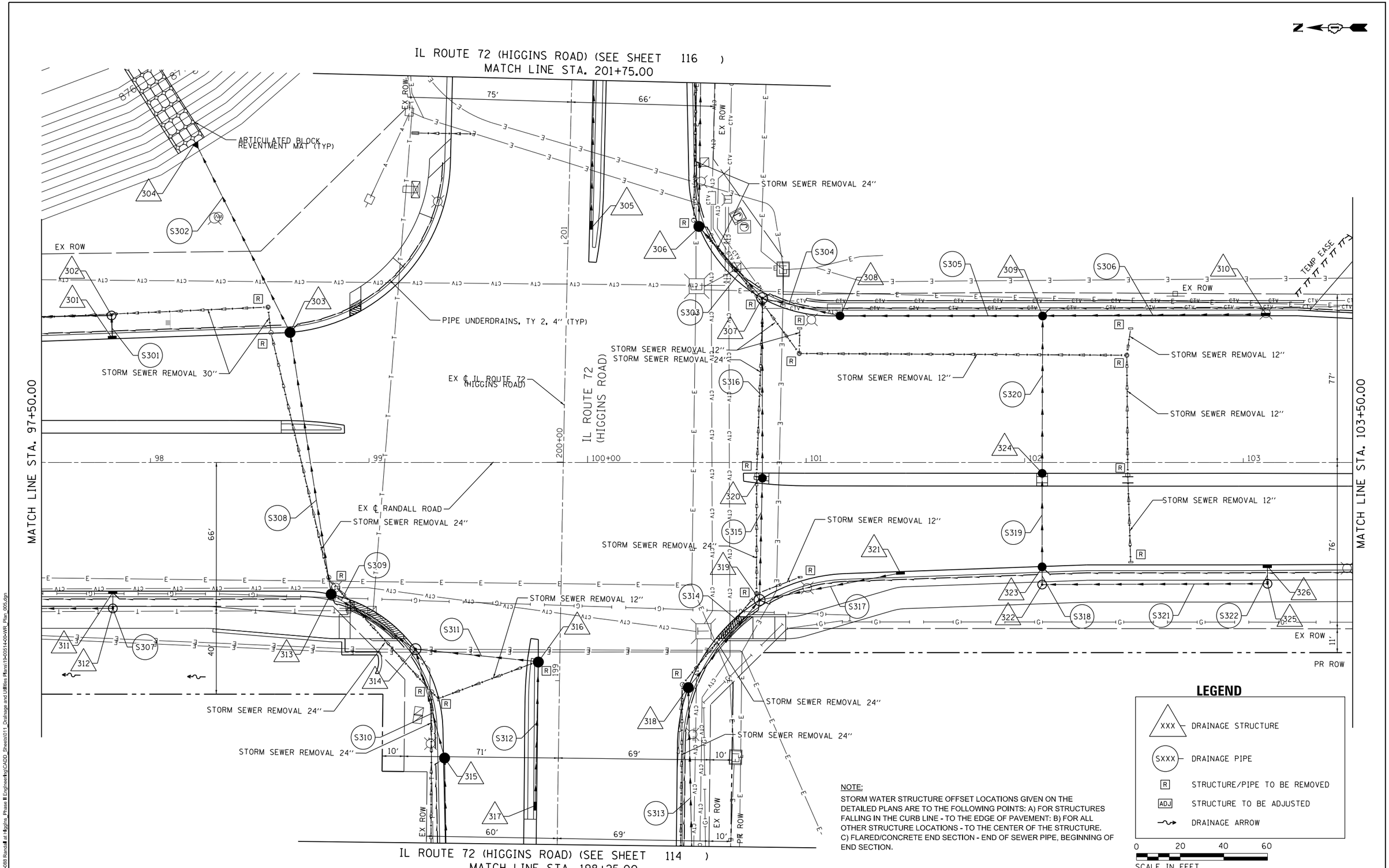
USER NAME = cesario	DESIGNED - TN	REVISED -	
	DRAWN - TN	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -	
PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
DRAINAGE AND UTILITY PLAN AND PROFILE

SCALE: 1"=20' | SHEET 5 OF 19 SHEETS | STA. 92+00.00 TO STA. 97+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	105
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		



NOTE:
STORM WATER STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS: A) FOR STRUCTURES FALLING IN THE CURB LINE - TO THE EDGE OF PAVEMENT: B) FOR ALL OTHER STRUCTURE LOCATIONS - TO THE CENTER OF THE STRUCTURE. C) FLARED/CONCRETE END SECTION - END OF SEWER PIPE, BEGINNING OF END SECTION.

MODEL: Default
FILE NAME: W:\6894-088 Randall at Higgins_Phase II Engineering\CADD_Sheets\011_Drainage and Utilities Plans\19-00514-00-WR_Plan_005.dgn

BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -
		DRAWN - TN	REVISED -
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	PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -

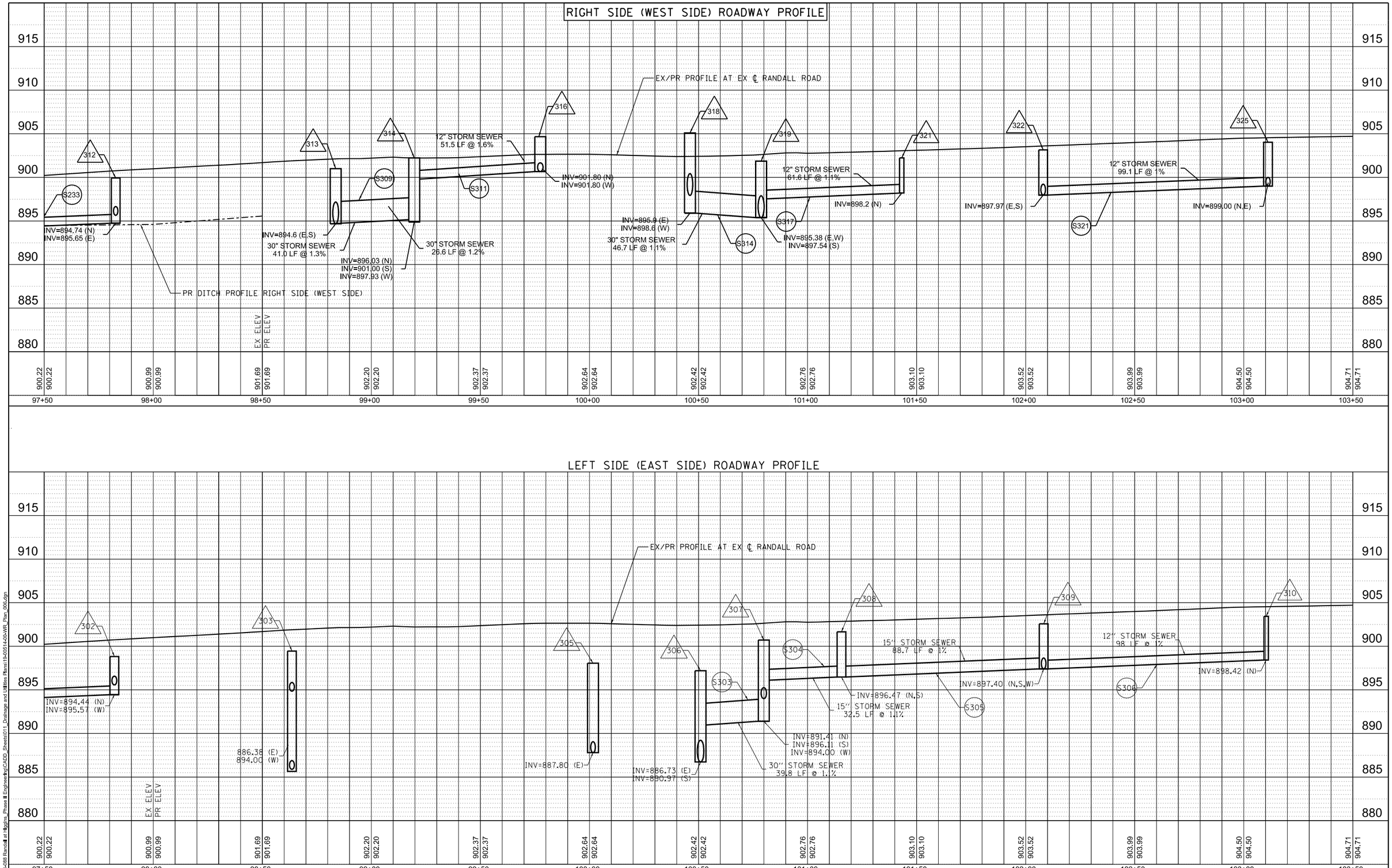
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
DRAINAGE AND UTILITY PLAN AND PROFILE

SCALE: 1"=20' | SHEET 6 OF 19 SHEETS | STA. 97+50.00 TO STA. 103+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	106

CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT



PLAN
NOTE BOOK NO. ____
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK NO. ____
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTAT'NS CH'KD
BY
DATE

MODEL: Default
FILE NAME: W:\894-088 Randall at Higgins_Phase II Engineering\CADD_Sheets\011_Drainage and Utilities Plans\19-00514-00-WR_Plan_006.dgn

BLA, Inc.

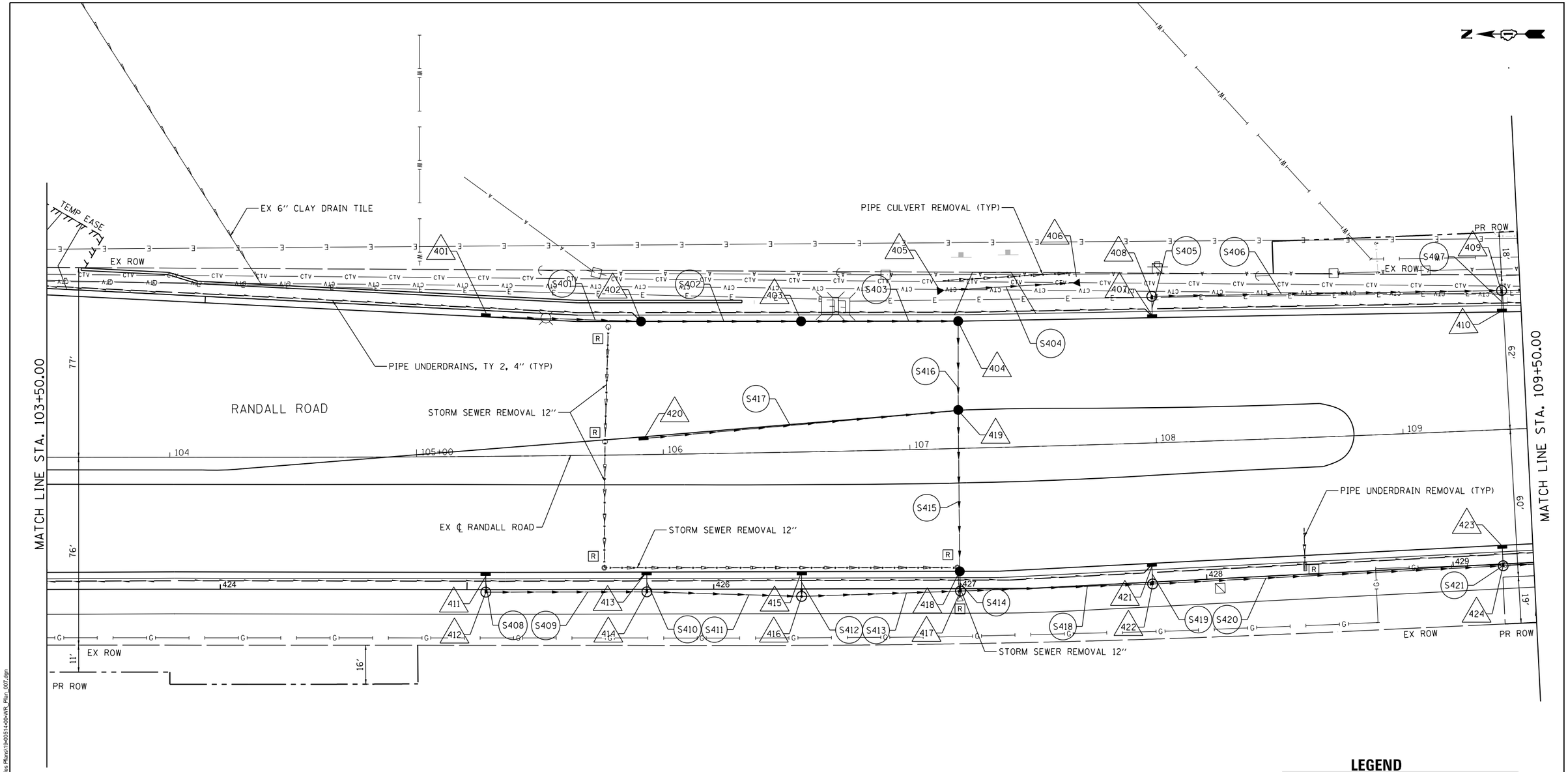
USER NAME = cesario	DESIGNED - TN	REVISED -	
	DRAWN - TN	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -	
PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
DRAINAGE AND UTILITY PLAN AND PROFILE

SCALE: 1"=20' | SHEET 7 OF 19 SHEETS | STA. 97+50.00 TO STA. 103+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	107
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		



LEGEND

XXX	DRAINAGE STRUCTURE
SXXX	DRAINAGE PIPE
R	STRUCTURE/PIPE TO BE REMOVED
ADJ	STRUCTURE TO BE ADJUSTED
	DRAINAGE ARROW

0 20 40 60
SCALE IN FEET

NOTE:
STORM WATER STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS: A) FOR STRUCTURES FALLING IN THE CURB LINE - TO THE EDGE OF PAVEMENT: B) FOR ALL OTHER STRUCTURE LOCATIONS - TO THE CENTER OF THE STRUCTURE. C) FLARED/CONCRETE END SECTION - END OF SEWER PIPE, BEGINNING OF END SECTION.

MODEL: Default
FILE NAME: W:\8194-088 Randall at Higgins_Phase II Engineering\CADD_Sheets\011_Drainage and Utilities Plans\19-00514-00-WR_Plan_007.dgn

BLA, Inc.

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	DRAWN - TN	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -
PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

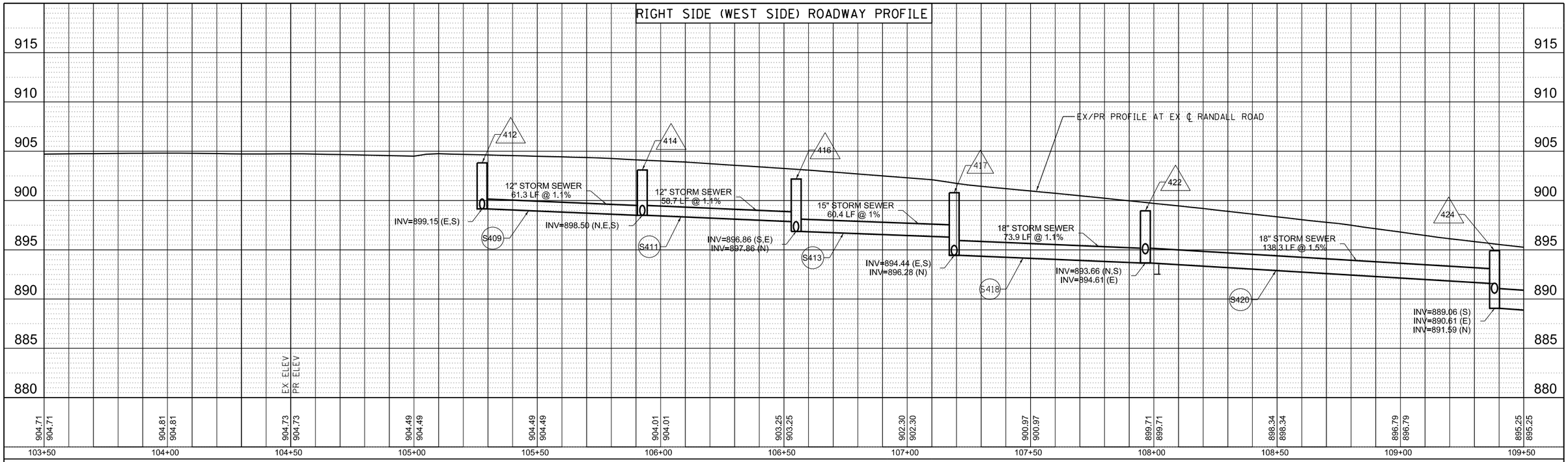
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
DRAINAGE AND UTILITY PLAN AND PROFILE

SCALE: 1"=20' | SHEET 8 OF 19 SHEETS | STA. 103+50.00 TO STA. 109+50.00

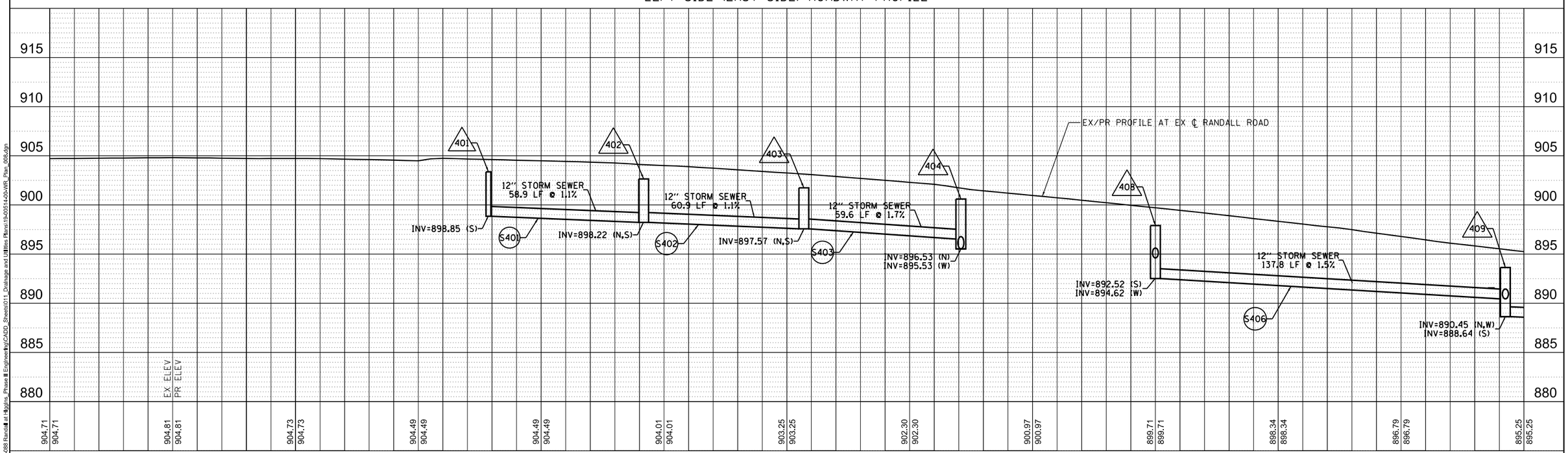
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	108

CONTRACT NO. 61L28
ILLINOIS FED. AID PROJECT

RIGHT SIDE (WEST SIDE) ROADWAY PROFILE



LEFT SIDE (EAST SIDE) ROADWAY PROFILE



PLAN		BY	DATE
NOTE BOOK NO. ____	SURVEYED PLOTTED ALIGNMENT CHECKED RT. OF WAY CHECKED CADD FILE NAME		

PROFILE		BY	DATE
NOTE BOOK NO. ____	SURVEYED PLOTTED GRADES CHECKED B.M. NOTED STRUCTURE NOTAT'NS CH'KD		

MODEL: Default
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BLA, Inc.

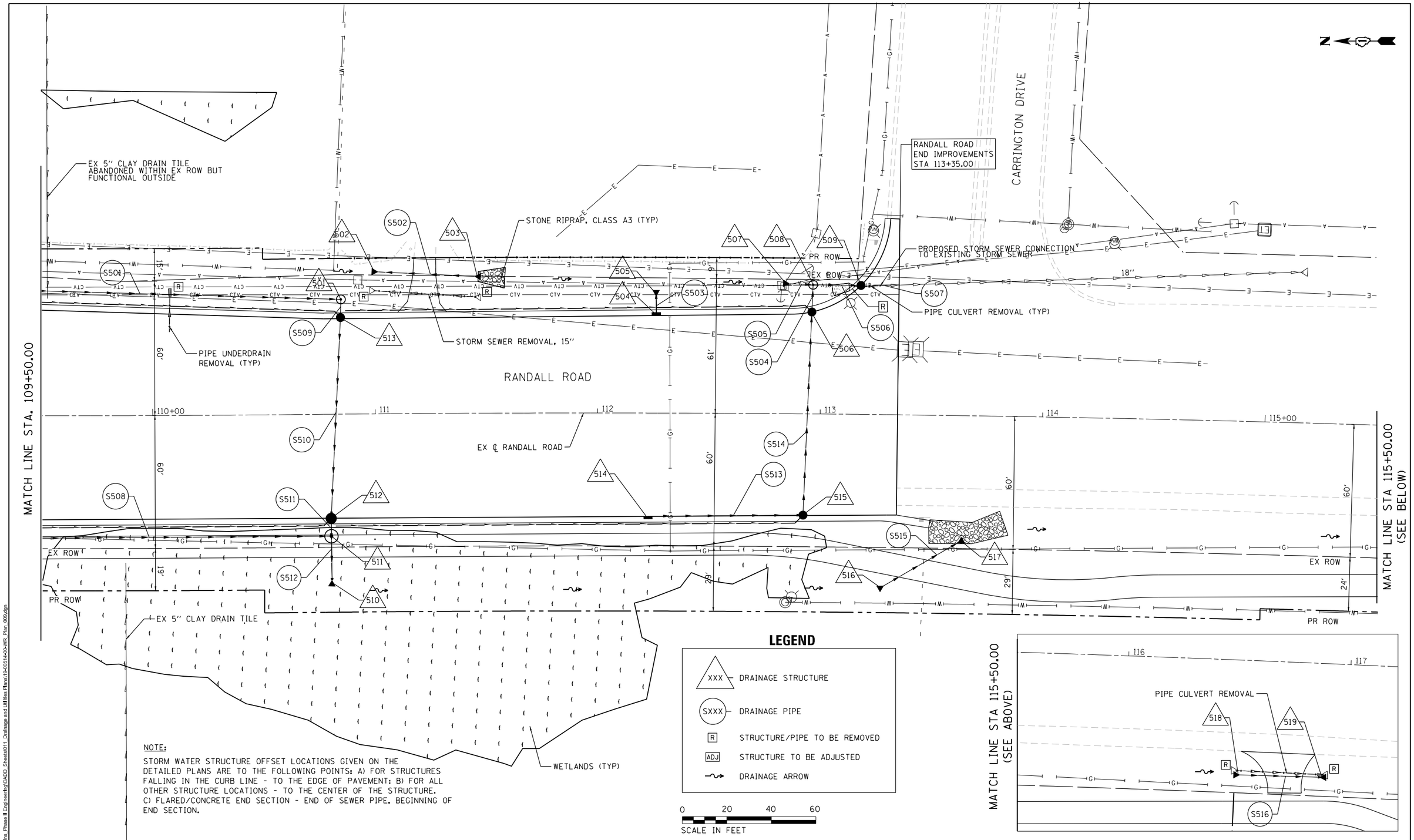
USER NAME = cesario	DESIGNED - TN	REVISED -
	DRAWN - TN	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -
PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
DRAINAGE AND UTILITY PLAN AND PROFILE

SCALE: 1"=20' | SHEET 9 OF 19 SHEETS | STA. 107+50.00 TO STA. 113+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	109
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		



NOTE:

STORM WATER STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS: A) FOR STRUCTURES FALLING IN THE CURB LINE - TO THE EDGE OF PAVEMENT: B) FOR ALL OTHER STRUCTURE LOCATIONS - TO THE CENTER OF THE STRUCTURE. C) FLARED/CONCRETE END SECTION - END OF SEWER PIPE, BEGINNING OF END SECTION.

MODEL: Default
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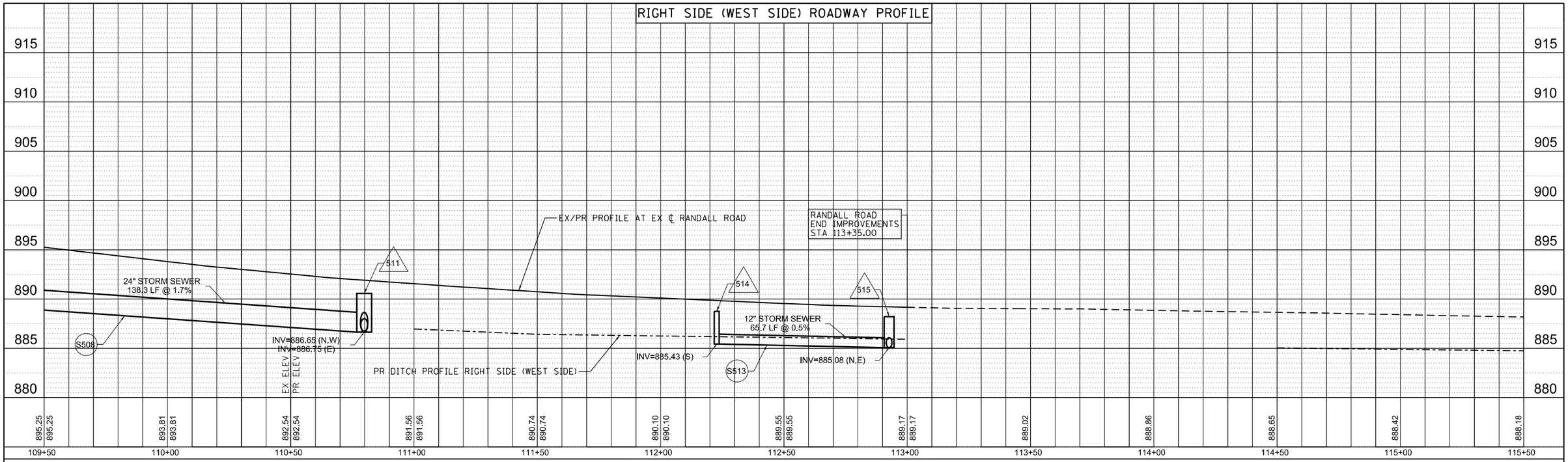
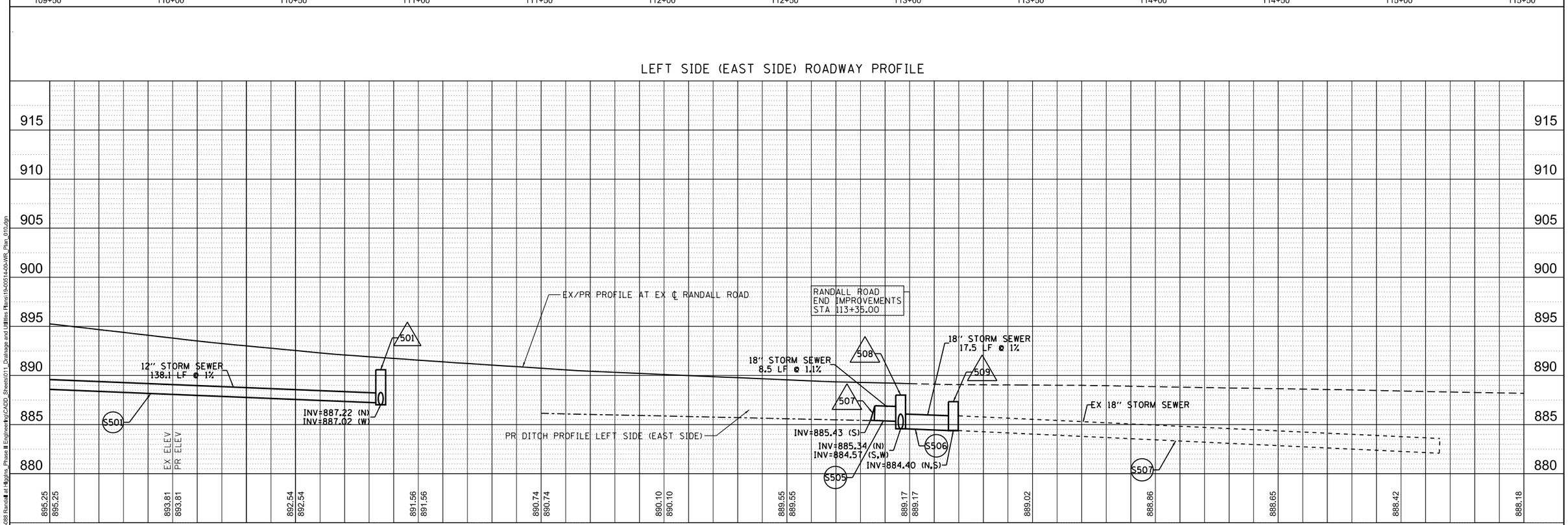
BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) DRAINAGE AND UTILITY PLAN AND PROFILE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - TN	REVISED -			0336	19-00514-00-WR	KANE	304 / 110
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -					CONTRACT NO. 61L28	
	PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=20' SHEET 10 OF 19 SHEETS STA. 95+50.00 TO STA. 101+50.00		ILLINOIS FED. AID PROJECT		





PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
CADD FILE NAME		
NOTE BOOK NO.		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
B.M. NOTED		
STRUCTURE NOTATNS CHKD		
NOTE BOOK NO.		

MODEL: Default
FILE NAME: W:\894-088 Randall at Higgins_Phase II Engineering\CADD_Sheets\011_Drainage and Utilities Plans\19-00514-00-WR_Plan_010.dgn

BLA, Inc.

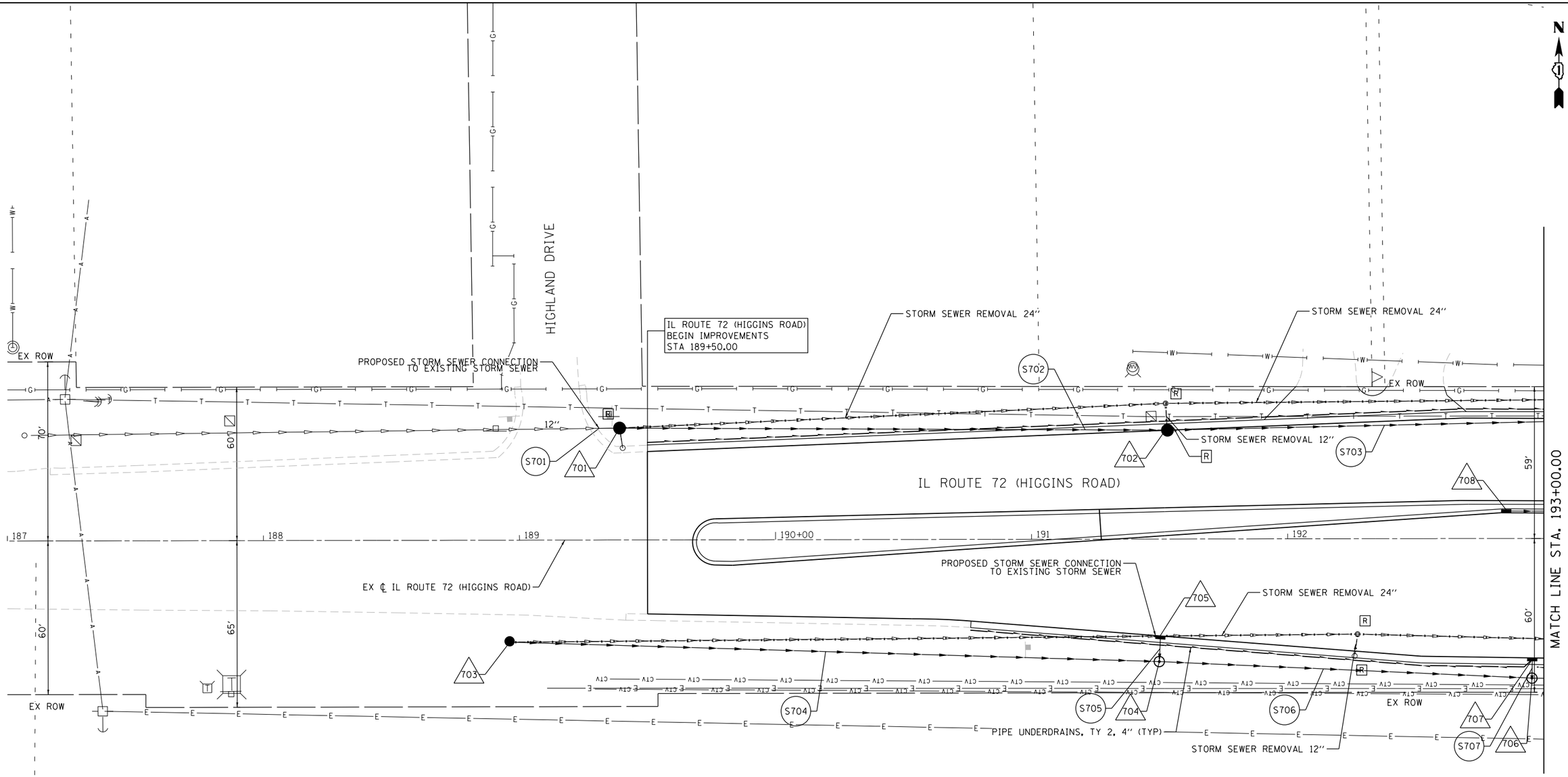
USER NAME = cesario	DESIGNED - TN	REVISED -
	DRAWN - TN	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -
PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
DRAINAGE AND UTILITY PLAN AND PROFILE

SCALE: 1"=20' | SHEET 11 OF 19 SHEETS | STA. 107+50.00 TO STA. 113+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	111
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		



LEGEND

XXX	DRAINAGE STRUCTURE
SXXX	DRAINAGE PIPE
R	STRUCTURE/PIPE TO BE REMOVED
ADJ	STRUCTURE TO BE ADJUSTED
~~→	DRAINAGE ARROW

NOTE:

STORM WATER STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS: A) FOR STRUCTURES FALLING IN THE CURB LINE - TO THE EDGE OF PAVEMENT: B) FOR ALL OTHER STRUCTURE LOCATIONS - TO THE CENTER OF THE STRUCTURE. C) FLARED/CONCRETE END SECTION - END OF SEWER PIPE, BEGINNING OF END SECTION.

0 20 40 60
SCALE IN FEET

MODEL: Default
FILE NAME: W:\0844088 Randall at Higgins Phase II Engineering\CADD_Sheets\011_Drainage and Utilities Plans\19-00514-00-WR_Plan_011.dgn

BLA, Inc.

USER NAME = cesario	DESIGNED - TN	REVISED -
	DRAWN - TN	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -
PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

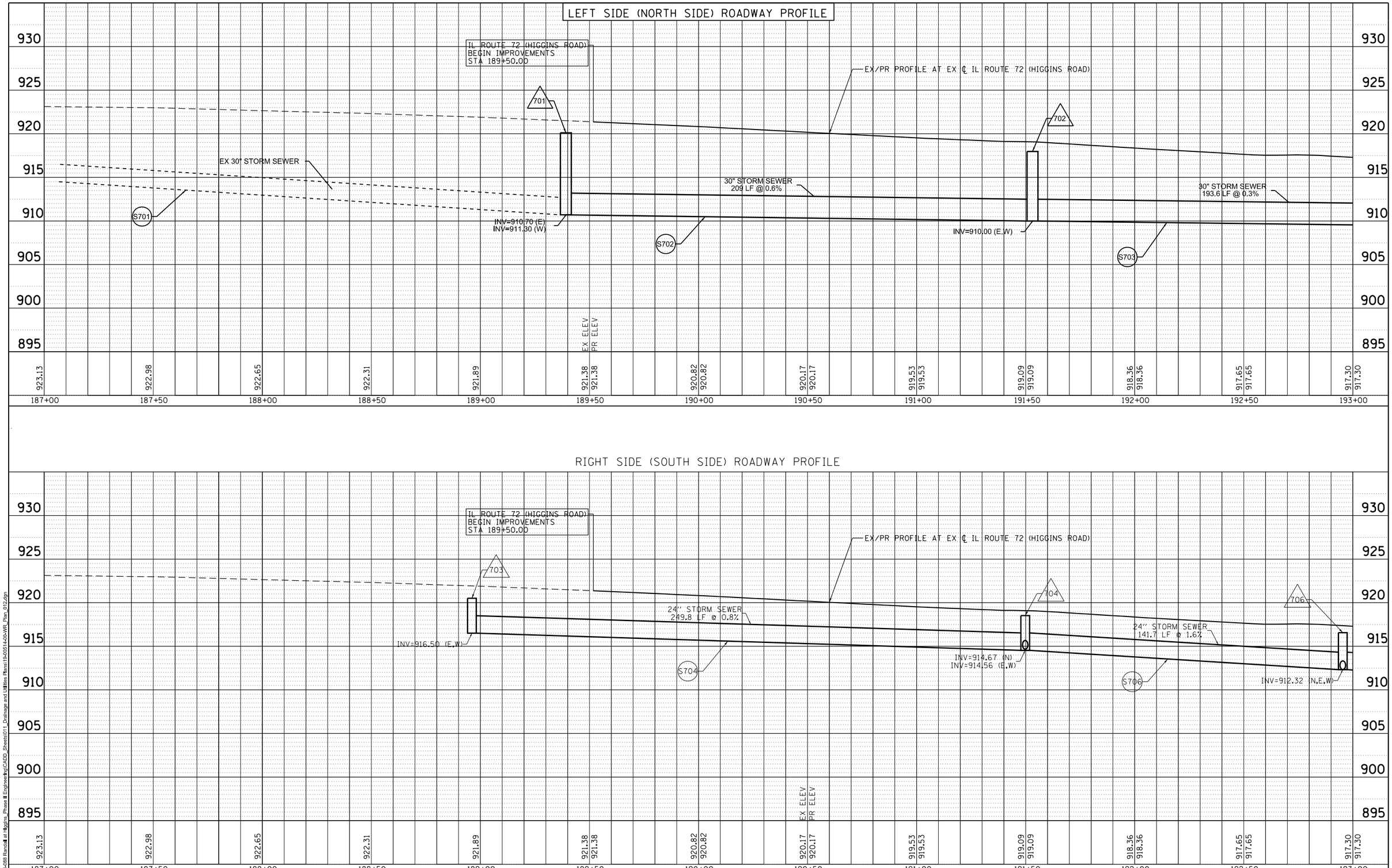
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
DRAINAGE AND UTILITY PLAN AND PROFILE

SCALE: 1"=20' | SHEET 12 OF 19 SHEETS | STA. 187+00.00 TO STA. 193+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	112

CONTRACT NO. 61L28

ILLINOIS FED. AID PROJECT



PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK NO.
BY
DATE

MODEL: Default
FILE NAME: W:\894-088 Randall at Higgins_Phase II Engineering\CADD_Sheets\011_Drainage and Utilities Plans\19-00514-00-WR_Plan_012.dgn

BLA, Inc.

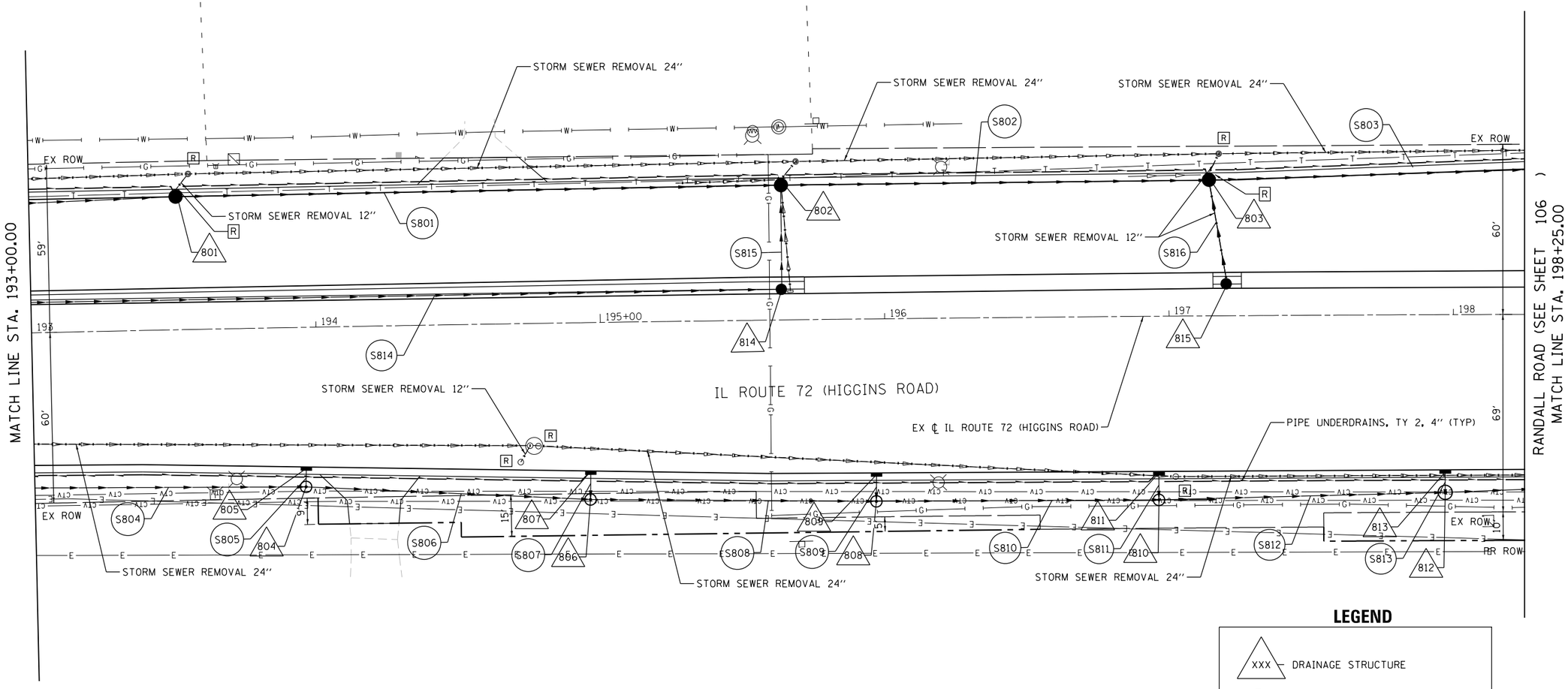
USER NAME = cesario	DESIGNED - TN	REVISED -
	DRAWN - TN	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -
PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
DRAINAGE AND UTILITY PLAN AND PROFILE

SCALE: 1"=20' | SHEET 13 OF 19 SHEETS | STA. 187+00.00 TO STA. 193+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	113
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		



LEGEND

XXX	DRAINAGE STRUCTURE
SXXX	DRAINAGE PIPE
R	STRUCTURE/PIPE TO BE REMOVED
ADJ	STRUCTURE TO BE ADJUSTED
~~→	DRAINAGE ARROW

0 20 40 60
SCALE IN FEET

NOTE:
STORM WATER STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS: A) FOR STRUCTURES FALLING IN THE CURB LINE - TO THE EDGE OF PAVEMENT; B) FOR ALL OTHER STRUCTURE LOCATIONS - TO THE CENTER OF THE STRUCTURE. C) FLARED/CONCRETE END SECTION - END OF SEWER PIPE, BEGINNING OF END SECTION.

MODEL: Default
FILE NAME: W:\094-088 Randall at Higgins Phase II Engineering\CADD_Sheets\011-Drainage and Utilities Plans\19-00514-00-WR Plan 013.dgn

BLA, Inc.

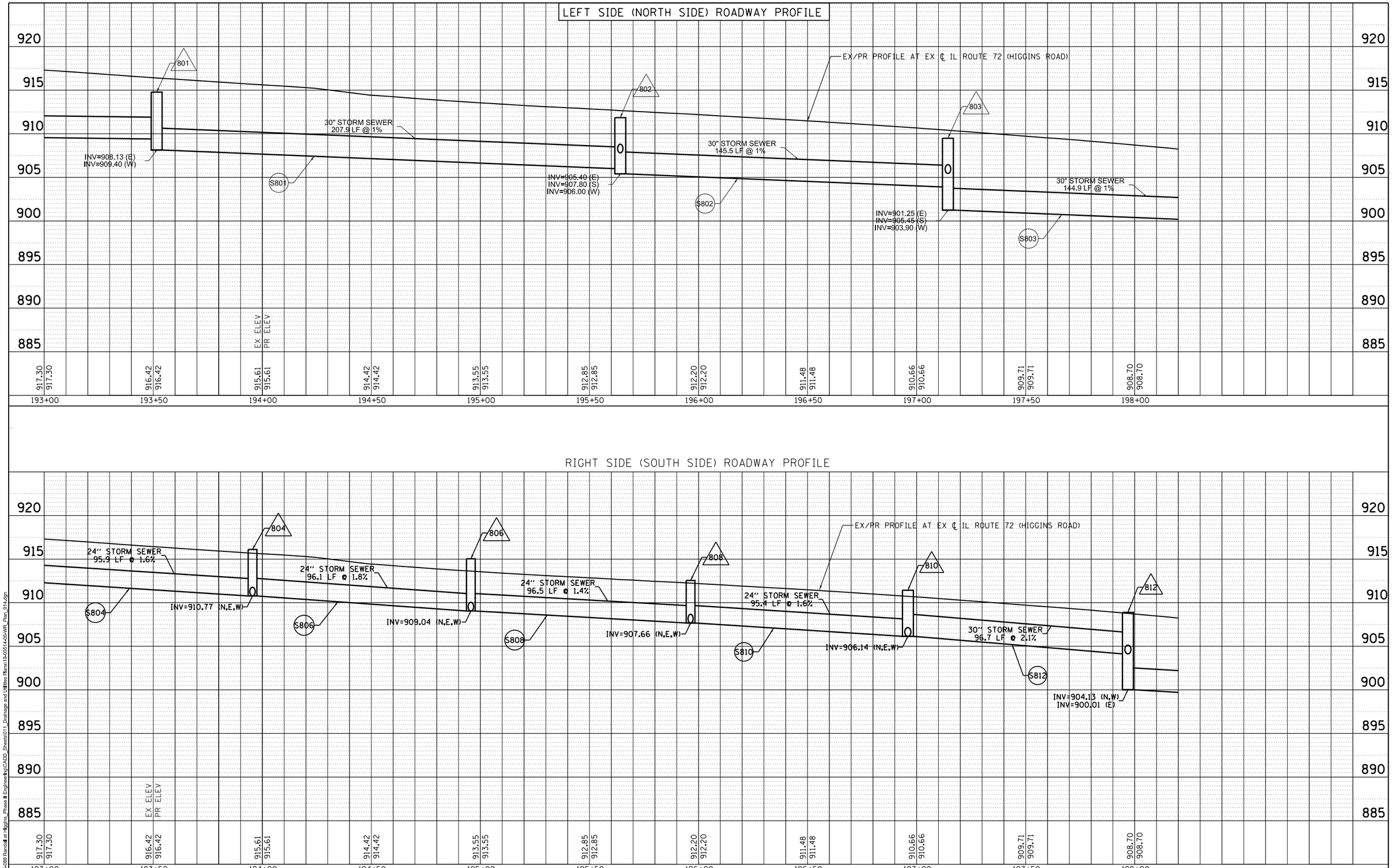
USER NAME = cesario	DESIGNED - TN	REVISED -	
	DRAWN - TN	REVISED -	
PLOT SCALE = 40.0011 ' / in.	CHECKED - GJE	REVISED -	
PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
DRAINAGE AND UTILITY PLAN AND PROFILE

SCALE: 1"=20' | SHEET 14 OF 19 SHEETS | STA. 193+00.00 TO STA. 198+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	114
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		



PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK NO.
BY
DATE

MODEL: Default
FILE NAME: W:\894-088 Randall at Higgins_Phase II Engineering\CADD_Sheets\011_Drainage and Utilities Plans\19-00514-00-WR_Plan_014.dgn

BLA, Inc.

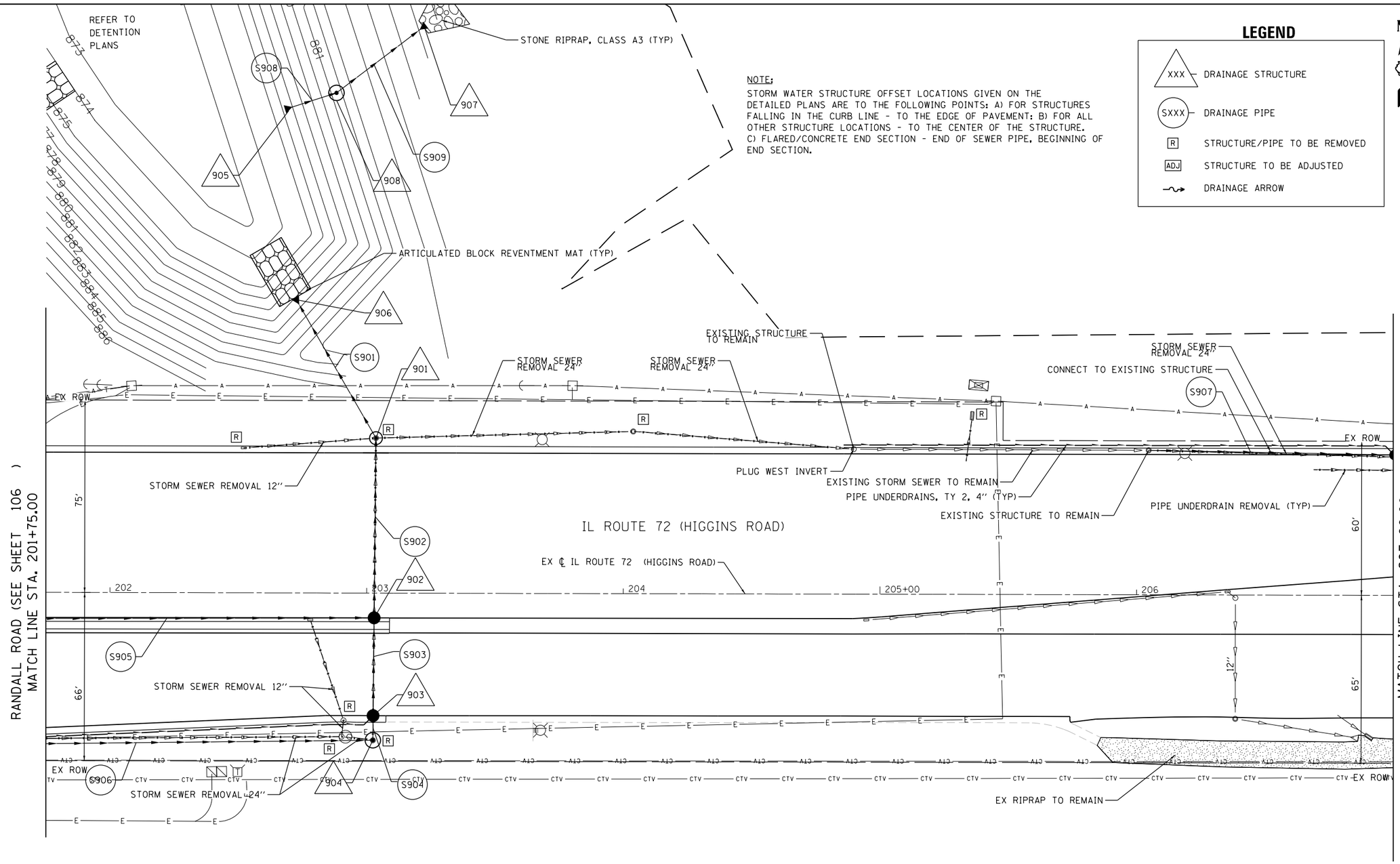
USER NAME = cesario	DESIGNED - TN	REVISED -	
	DRAWN - TN	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -	
PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
DRAINAGE AND UTILITY PLAN AND PROFILE

SCALE: 1"=20' | SHEET 15 OF 19 SHEETS | STA. 193+00.00 TO STA. 199+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	115
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		



NOTE:
STORM WATER STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS: A) FOR STRUCTURES FALLING IN THE CURB LINE - TO THE EDGE OF PAVEMENT; B) FOR ALL OTHER STRUCTURE LOCATIONS - TO THE CENTER OF THE STRUCTURE. C) FLARED/CONCRETE END SECTION - END OF SEWER PIPE, BEGINNING OF END SECTION.

LEGEND

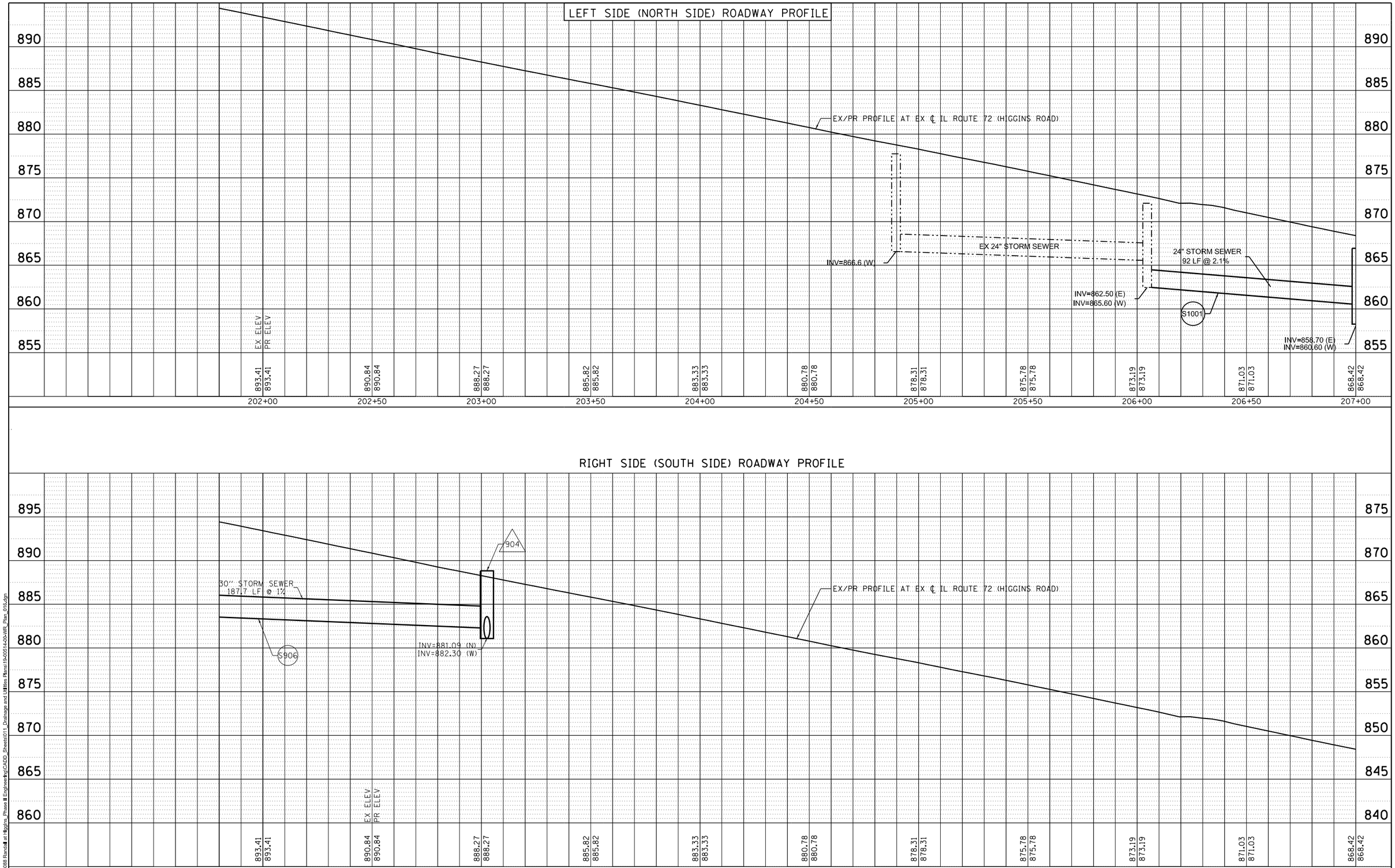
- XXX — DRAINAGE STRUCTURE
- SXXX — DRAINAGE PIPE
- R — STRUCTURE/PIPE TO BE REMOVED
- ADJ — STRUCTURE TO BE ADJUSTED
- DRAINAGE ARROW

N

0 20 40 60
SCALE IN FEET

MODEL: Default
FILE NAME: W:\094-088 Randall at Higgins Phase II Engineering\CADD Sheets\011 Drainage and Utilities Plans\19-00514-00-WR_Plan_015.dgn

BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) DRAINAGE AND UTILITY PLAN AND PROFILE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TN	REVISED -			0336	19-00514-00-WR	KANE	304	116
	PLOT SCALE = 40.0004 ' / in.	CHECKED - GJE	REVISED -					CONTRACT NO. 61L28		
	PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=20' SHEET 16 OF 19 SHEETS STA. 95+50.00 TO STA. 101+50.00		ILLINOIS FED. AID PROJECT			



PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

MODEL: Default
FILE NAME: W:\894-088 Randall at Higgins_Phase II Engineering\CADD_Sheets\011_Drainage and Utilities Plans\19-00514-00-WR_Plan_016.dgn

BLA, Inc.

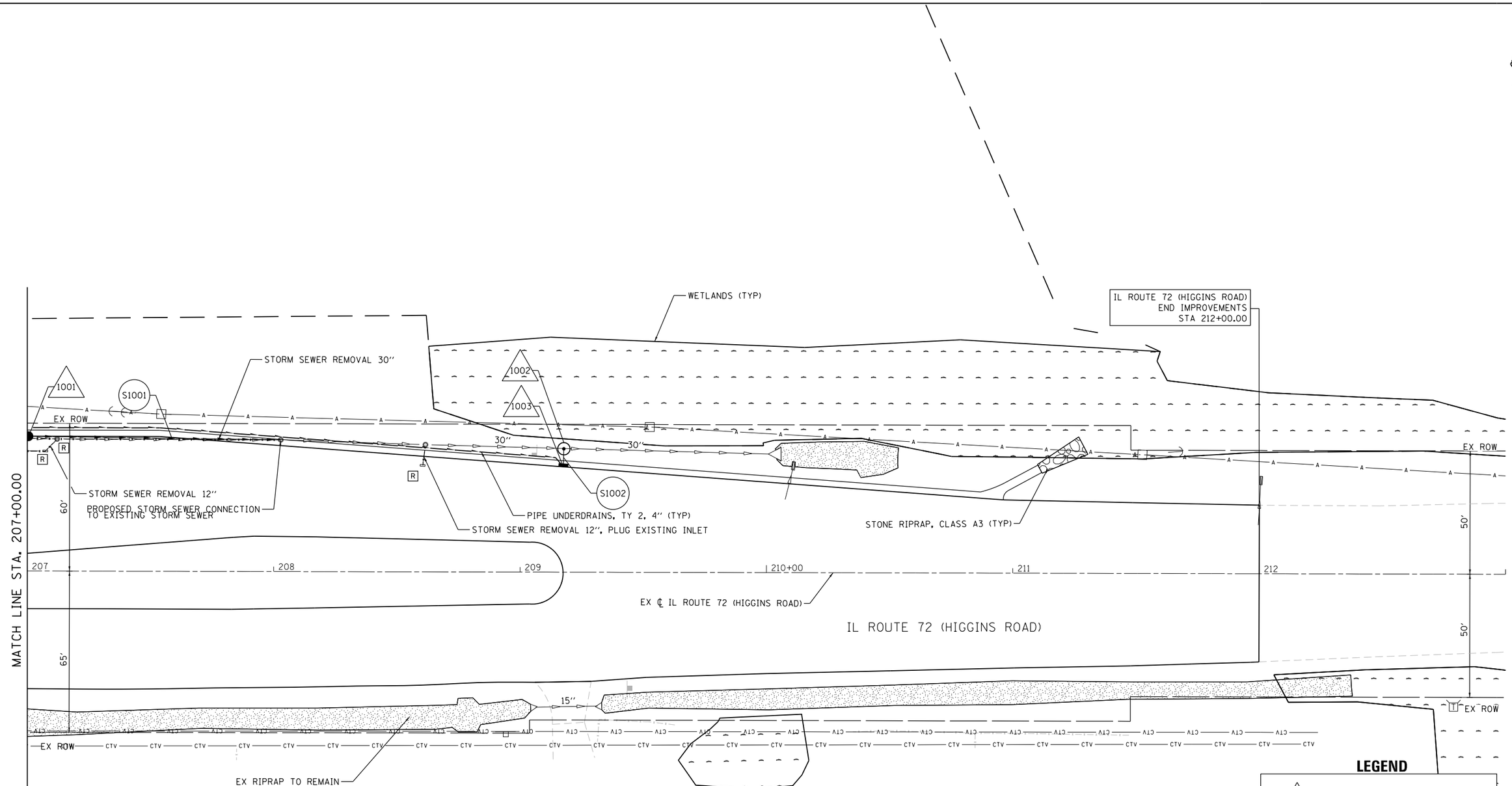
USER NAME = cesario	DESIGNED - TN	REVISED -	
	DRAWN - TN	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -	
PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
DRAINAGE AND UTILITY PLAN AND PROFILE

SCALE: 1"=20' | SHEET 17 OF 19 SHEETS | STA. 201+00.00 TO STA. 207+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	117
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		



LEGEND

XXX	DRAINAGE STRUCTURE
SXXX	DRAINAGE PIPE
R	STRUCTURE/PIPE TO BE REMOVED
ADJ	STRUCTURE TO BE ADJUSTED
~→	DRAINAGE ARROW

NOTE:

STORM WATER STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS: A) FOR STRUCTURES FALLING IN THE CURB LINE - TO THE EDGE OF PAVEMENT: B) FOR ALL OTHER STRUCTURE LOCATIONS - TO THE CENTER OF THE STRUCTURE. C) FLARED/CONCRETE END SECTION - END OF SEWER PIPE, BEGINNING OF END SECTION.

0 20 40 60
SCALE IN FEET

MODEL: Default
FILE NAME: W:\0934-088 Randall at Higgins Phase II Engineering\CADD_Sheets\011_Drainage and Utilities Plans\19-00514-00-WR_Plan_017.dgn

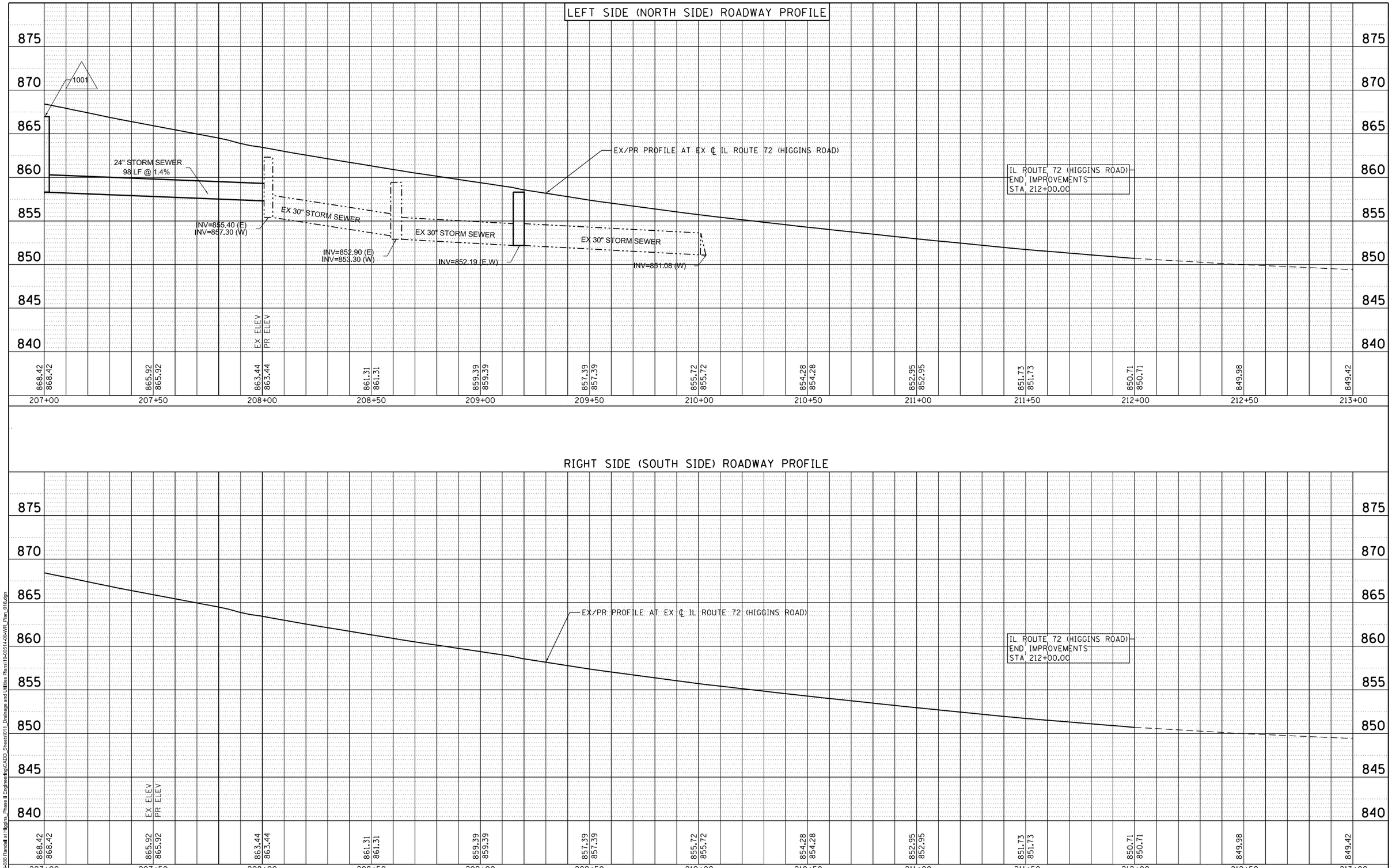
BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -
		DRAWN - TN	REVISED -
	PLOT SCALE = 40.0004 ' / in.	CHECKED - GJE	REVISED -
	PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
DRAINAGE AND UTILITY PLAN AND PROFILE

SCALE: 1"=20' | SHEET 18 OF 19 SHEETS | STA. 207+00.00 TO STA. 213+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	118
		CONTRACT NO. 61L28		
	ILLINOIS FED. AID PROJECT			



PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
CADD FILE NAME		
NOTE BOOK NO.		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
B.M. NOTED		
STRUCTURE NOTATNS CHKD		
NOTE BOOK NO.		

MODEL: Default
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BLA, Inc.

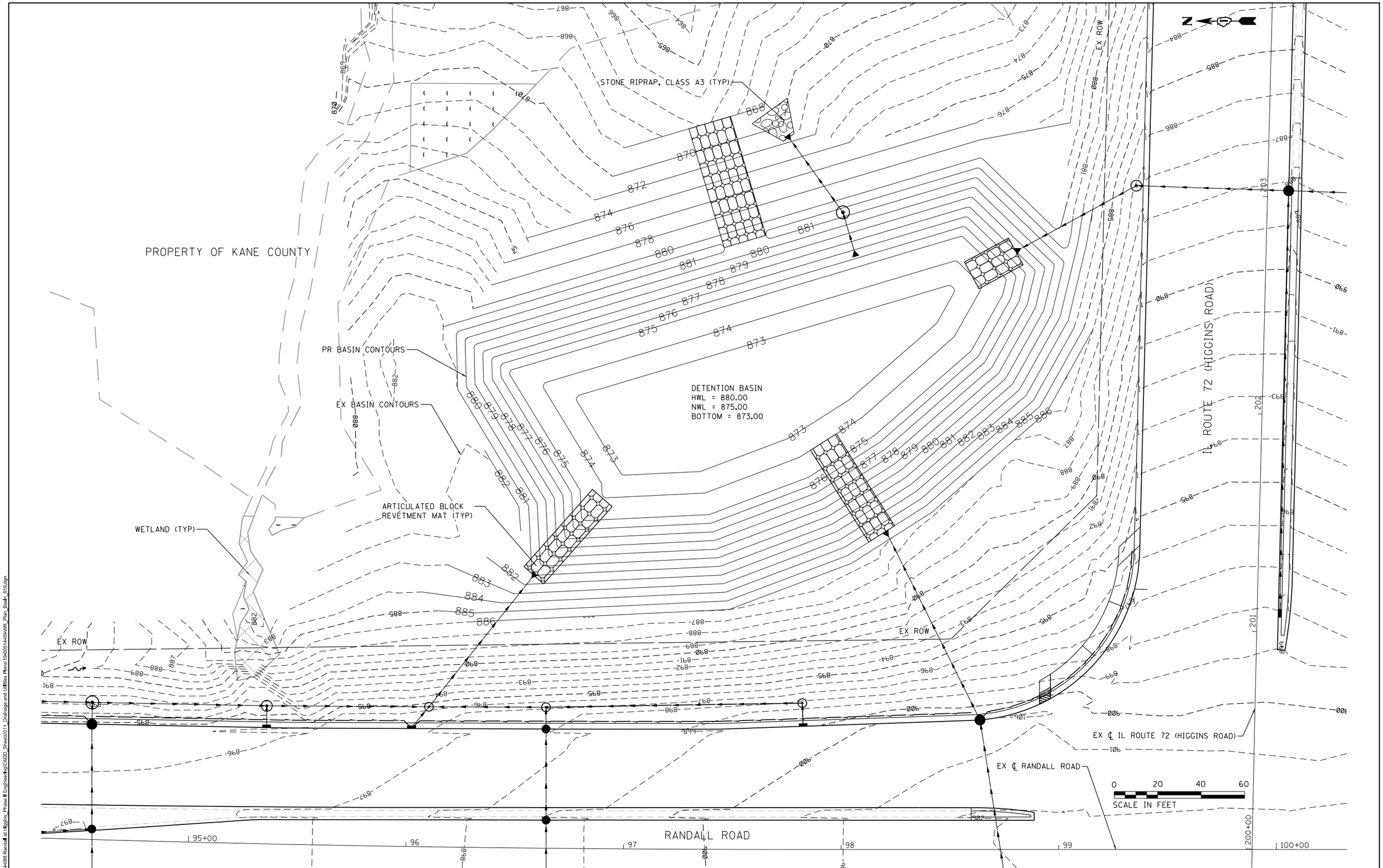
USER NAME = cesario	DESIGNED - TN	REVISED -
	DRAWN - TN	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -
PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
DRAINAGE AND UTILITY PLAN AND PROFILE

SCALE: 1"=20' | SHEET 19 OF 19 SHEETS | STA. 207+00.00 TO STA. 213+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	119
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		



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FILE NAME: W:\6894-098 Randall at Higgins_Phase II Engineering\CADD_Sheets\011_Drainage and Utilities Plans\19-00514-00-WR_Plan_Bsdn_019.dgn

BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) DETENTION BASIN GRADING PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - TN	REVISED -			0336	19-00514-00-WR	KANE	304 / 120
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -					CONTRACT NO. 61L28	
	PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. NA TO STA. NA		ILLINOIS	FED. AID PROJECT	

PROPOSED DRAINAGE STRUCTURE TABLE

SHEET	STRUCT. NO.	ALIGN	STATION	OFFSET (FT)	STRUCTURE TYPE / SIZE				FRAME AND GRATE OR LID	RIM	INVERT ELEVATIONS			
					MH	CB	INL	OTHER		ELEV (FT)	NORTH	EAST	SOUTH	WEST
1	101	RANDALL	90+93.54	49.00 LT			A		TY24 F&G	900.17		896.17		
1	102	RANDALL	90+93.48	56.08 LT	A4				TY1 CLOSED LID	900.13			894.97	896.13
1	103	RANDALL	91+83.48	56.85 LT	A4				TY1 CLOSED LID	898.28	893.68		893.68	894.31
1	104	RANDALL	91+83.51	49.52 LT			A		TY24 F&G	898.36		894.36		
1	105	RANDALL	90+97.63	50.71 RT			A		TY24 F&G	900.71				896.71
1	106	RANDALL	90+97.42	57.87 RT	A4				TY1 CLOSED LID	899.96		896.67	895.29	
1	107	RANDALL	91+87.62	60.46 RT	A4				TY1 CLOSED LID	897.86	894.00	894.41	894.00	
1	108	RANDALL	91+87.84	53.13 RT			A		TY24 F&G	898.46				894.46
1	109	RANDALL	86+34.69	60.90 RT				FLARED END, 12"	-					

PROPOSED DRAINAGE STRUCTURE TABLE

SHEET	STRUCT. NO.	ALIGN	STATION	OFFSET (FT)	STRUCTURE TYPE / SIZE				FRAME AND GRATE OR LID	RIM	INVERT ELEVATIONS			
					MH	CB	INL	OTHER		ELEV (FT)	NORTH	EAST	SOUTH	WEST
3	201	RANDALL	92+73.53	50.70 LT			A		TY24 F&G	896.80		892.80		
3	202	RANDALL	92+73.41	58.04 LT	A4				TY1 CLOSED LID	896.74	892.76		892.76	892.76
3	203	RANDALL	93+63.75	52.52 LT			A		TY24 F&G	895.86		892.36		
3	204	RANDALL	93+63.64	61.85 LT	A4				TY1 CLOSED LID	895.25	892.30		892.30	892.30
3	205	RANDALL	94+54.16	53.01 LT		A5			TY24 F&G	895.50		892.00		892.00
3	206	RANDALL	94+54.07	63.01 LT	A6				TY1 CLOSED LID	894.91	891.94		891.94	891.94
3	207	RANDALL	95+34.80	54.13 LT			A		TY24 F&G	895.88		892.38		
3	208	RANDALL	95+34.72	63.46 LT	A5				TY1 CLOSED LID	894.84	891.54		891.54	892.31
3	209	RANDALL	96+01.85	54.93 LT			A		TY24 F&G	894.64		890.64		
3	210	RANDALL	96+09.67	64.35 LT	A4				TY1 CLOSED LID	896.15	891.19	882.11	890.50	890.55
3	211	RANDALL	96+57.47	125.54 LT				FLARED END, 24"	-					881.00
3	212	RANDALL	96+63.82	54.80 LT		A4			TY24 F&G	897.65		890.87		890.87
3	213	RANDALL	96+63.74	64.80 LT	A4				TY1 CLOSED LID	897.31	890.81		893.26	890.81
3	214	RANDALL	92+78.01	54.74 RT		A4			TY24 F&G	896.77				893.27
3	215	RANDALL	92+77.75	62.73 RT	A4				TY1 CLOSED LID	896.31	893.10	893.22	893.10	
3	216	RANDALL	93+67.95	59.05 RT			A		TY24 F&G	895.70				892.70
3	217	RANDALL	93+67.61	66.50 RT	A4				TY1 CLOSED LID	896.03	892.65	892.65	892.65	
3	218	RANDALL	92+81.97	66.91 RT				FLARED END, 36"	-				893.25	
3	219	RANDALL	93+58.34	89.38 RT				FLARED END, 36"	-		892.72			
3	220	RANDALL	94+57.14	70.94 RT	A4				TY1 CLOSED LID	895.65	892.29	892.29		
3	221	RANDALL	94+57.56	62.95 RT		A4			TY24 F&G	895.30		892.25		892.25
3	222	RANDALL	94+55.48	4.84 LT		A4			TY11 F&G	896.63	892.09	892.09		892.09
3	223	RANDALL	93+65.85	3.55 RT			A		TY11 F&G	897.01			892.54	
3	224	RANDALL	95+59.12	68.86 RT	A4				TY1 CLOSED LID	896.19		891.83	891.83	
3	225	RANDALL	95+58.98	61.61 RT			A		TY24 F&G	895.83				891.88
3	226	RANDALL	96+03.87	68.16 RT	A4				TY1 CLOSED LID	896.81	891.56	892.52	891.56	
3	227	RANDALL	96+03.70	60.83 RT			A		TY24 F&G	896.57				892.57
3	228	RANDALL	96+65.03	67.39 RT	A4				TY1 CLOSED LID	897.88	891.27	891.27	893.56	
3	229	RANDALL	96+65.00	59.39 RT		A4			TY24 F&G	897.56		891.23		891.23
3	230	RANDALL	96+64.29	12.92 LT		A4			TY11 F&G	898.64		890.98		890.98

PROPOSED DRAINAGE STRUCTURE TABLE

SHEET	STRUCT. NO.	ALIGN	STATION	OFFSET (FT)	STRUCTURE TYPE / SIZE				FRAME AND GRATE OR LID	RIM	INVERT ELEVATIONS			
					MH	CB	INL	OTHER		ELEV (FT)	NORTH	EAST	SOUTH	WEST
5	301	RANDALL	97+82.52	57.26 LT			A		TY24 F&G	899.64		895.64		
5	302	RANDALL	97+82.18	67.25 LT	A4				TY1 CLOSED LID	898.83	894.44			895.57
5	303	RANDALL	98+63.90	59.49 LT		A5			TY24 F&G	900.59		886.38		894.00
5	304	RANDALL	98+20.32	144.62 LT				FLARED END, 30"	-					885.00
5	305	RANDALL	100+01.63	108.52 LT			A		TY11 F&G	898.06		887.80		
5	306	RANDALL	100+50.94	107.98 LT		A5			TY24 F&G	897.20		886.73	890.97	
5	307	RANDALL	100+79.93	75.14 LT	A5				TY1 CLOSED LID	900.71	891.41		896.11	894.00
5	308	RANDALL	101+15.52	67.10 LT		A4			TY24 F&G	901.66	896.47		896.47	
5	309	RANDALL	102+08.24	67.04 LT		A4			TY24 F&G	902.57	897.40		897.40	897.40
5	310	RANDALL	103+10.27	67.80 LT			A		TY24 F&G	903.44	898.42			
5	311	RANDALL	97+82.79	59.51 RT			A		TY24 F&G	899.70				895.70
5	312	RANDALL	97+82.78	66.77 RT	A4				TY1 CLOSED LID	899.92	894.74	895.65		
5	313	RANDALL	98+82.08	62.70 RT		A5			TY24 F&G	900.92		894.60	894.60	
5	314	RANDALL	99+21.24	85.41 RT	A5				TY1 CLOSED LID	904.43	896.03		901.00	897.90
5	315	RANDALL	99+34.56	135.20 RT		A5			TY11 F&G	906.25		898.25		899.75
5	316	RANDALL	99+77.46	91.29 RT		A5			TY11 F&G	905.79	901.80			901.80
5	317	RANDALL	99+76.03	157.20 RT			A		TY11 F&G	907.69		902.79		
5	318	RANDALL	100+46.07	102.99 RT		A5			TY24 F&G	905.10		895.90		898.60
5	319	RANDALL	100+78.70	62.91 RT	A5				TY1 CLOSED LID	901.86		895.38	897.54	895.38
5	320	RANDALL	100+80.01	7.17 RT		A5			TY11 F&G	902.67		894.80		894.80
5	321	RANDALL	101+43.18	50.59 RT			A		TY24 F&G	902.23	898.20			
5	322	RANDALL	102+08.01	55.84 RT	A4				TY1 CLOSED LID	903.15		897.97	897.97	
5	323	RANDALL	102+07.99	47.77 RT		A4			TY24 F&G	902.84		897.93		897.93
5	324	RANDALL	102+08.02	4.96 RT		A4			TY11 F&G	903.61		897.76		897.76
5	325	RANDALL	103+11.12	55.47 RT	A4				TY1 CLOSED LID	904.03	899.00	899.00		
5	326	RANDALL	103+11.10	47.47 RT			A		TY24 F&G	903.73				899.05

PROPOSED DRAINAGE PIPE TABLE

SHEET	PIPE NO.	STRUCTURE		DESCRIPTION	CLASS	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE (%)	TBF (CF)
		FROM	TO							
1	S101	101	102	STORM SEWER	A	2	12	4.4	0.9	1.0
1	S102	102	103	STORM SEWER	A	2	12	86.0	1.5	0.0
1	S103	104	103	STORM SEWER	A	2	12	4.7	1.1	1.1
1	S104	105	106	STORM SEWER	A	2	12	4.5	0.9	0.8
1	S105	106	107	STORM SEWER	A	2	12	86.2	1.5	0.0
1	S106	108	107	STORM SEWER	A	2	12	4.7	1.0	0.9

PROPOSED DRAINAGE PIPE TABLE

SHEET	PIPE NO.	STRUCTURE		DESCRIPTION	CLASS	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE (%)	TBF (CF)
		FROM	TO							
3	S201	103	202	STORM SEWER	A	2	12	85.9	1.1	0.0
3	S202	201	202	STORM SEWER	A	2	12	4.7	0.9	1.1
3	S203	202	204	STORM SEWER	A	2	12	86.0	0.5	0.0
3	S204	203	204	STORM SEWER	A	2	12	6.7	0.9	1.0
3	S205	204	206	STORM SEWER	A	2	12x18	85.9	0.4	0.0
3	S206	205	206	STORM SEWER	A	2	19x30	4.4	1.0	1.2
3	S207	206	208	STORM SEWER	A	2	19x30	74.7	0.5	0.0
3	S208	207	208	STORM SEWER	A	2	12	6.7	1.0	0.8
3	S209	208	210	STORM SEWER	A	2	18	70.5	0.5	0.0
3	S210	209	210	STORM SEWER	A	2	12	9.3	1.0	2.9
3	S211	210	211	STORM SEWER	A	2	24	73.5	0.8	0.0
3	S212	212	213	STORM SEWER	A	2	18	6.0	1.0	3.6
3	S213	213	210	STORM SEWER	A	2	18	49.8	0.6	0.0
3	S214	302	213	STORM SEWER	A	2	12	113.8	1.0	0.0
3	S215	107	215	STORM SEWER	A	2	12	86.2	1.0	0.0
3	S216	214	215	STORM SEWER	A	2	12	4.9	1.0	0.8
3	S217	215	217	STORM SEWER	A	2	12	86.3	0.5	23.5
3	S218	216	217	STORM SEWER	A	2	12	4.8	1.0	1.3
3	S219	218	219	PIPE CULVERT	A	1	36	84.2	1.0	-13.2
3	S220	217	220	STORM SEWER	A	2	12x18	86.2	0.4	26.9
3	S221	220	221	STORM SEWER	A	2	12x18	4.0	1.0	1.2
3	S222	221	222	STORM SEWER	A	2	12x18	63.8	0.3	14.8
3	S223	223	222	STORM SEWER	A	2	12	86.0	0.5	24.4
3	S224	222	205	STORM SEWER	A	2	14x23	43.7	0.2	12.3
3	S225	EX	RET. WALL	STORM SEWER	A	2	48	12.1		0.0
3	S226	225	224	STORM SEWER	A	2	12	4.6	1.1	1.7
3	S227	224	226	STORM SEWER	A	2	12	41.0	0.7	17.7
3	S228	227	226	STORM SEWER	A	2	12	4.7	1.1	1.7
3	S229	226	228	STORM SEWER	A	2	12	57.5	0.5	31.4
3	S230	228	229	STORM SEWER	A	2	15	4.0	1.0	2.7
3	S231	229	230	STORM SEWER	A	2	15	68.3	0.4	41.1
3	S232	230	212	STORM SEWER	A	2	15	37.9	0.2	23.7
3	S233	312	228	STORM SEWER	A	2	12	114.4	1.0	49.2

PROPOSED DRAINAGE PIPE TABLE

SHEET	PIPE NO.	STRUCTURE		DESCRIPTION	CLASS	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE (%)	TBF (CF)
		FROM	TO							
5	S301	301	302	STORM SEWER	A	2	12	7.3	1.0	1.4
5	S302	303	304	STORM SEWER (H20 QUAL.)	A	2	30	92.1	1.4	0.0
5	S303	307	306	STORM SEWER	A	2	30	39.8	1.1	40.5
5	S304	308	307	STORM SEWER	A	2	15	32.5	1.1	11.7
5	S305	309	308	STORM SEWER	A	2	15	88.7	1.0	34.9
5	S306	310	309	STORM SEWER	A	2	12	98.0	1.0	33.9
5	S307	311	312	STORM SEWER	A	2	12	4.6	1.1	1.6
5	S308	313	303	STORM SEWER	A	2	30	116.2	0.5	90.8
5	S309	314	313	STORM SEWER	A	2	30	41.0	1.3	19.1
5	S310	315	314	STORM SEWER	A	2	30	46.5	0.9	36.8
5	S311	316	314	STORM SEWER	A	2	12	51.5	1.6	9.8
5	S312	317	316	STORM SEWER	A	2	12	62.0	1.6	16.9
5	S313	812	318	STORM SEWER	A	2	30	95.7	1.5	0.0
5	S314	318	319	STORM SEWER	A	2	30	47.7	1.1	48.6
5	S315	319	320	STORM SEWER	A	2	30	51.3	1.1	49.6
5	S316	320	307	STORM SEWER	A	2	30	77.8	1.1	70.9
5	S317	321	319	STORM SEWER	A	2	12	61.6	1.1	15.5
5	S318	322	323	STORM SEWER	A	2	15	4.1	1.0	2.0
5	S319	323	324	STORM SEWER	A	2	15	38.8	0.4	16.2
5	S320	324	309	STORM SEWER	A	2	15	68.0	0.5	29.1
5	S321	325	322	STORM SEWER	A	2	12	99.1	1.0	45.8
5	S322	326	325	STORM SEWER	A	2	12	5.3	0.9	2.4

PROPOSED DRAINAGE STRUCTURE TABLE

SHEET	STRUCT. NO.	ALIGN	STATION	OFFSET (FT)	STRUCTURE TYPE / SIZE				FRAME AND GRATE OR LID	RIM	INVERT ELEVATIONS			
					MH	CB	INL	OTHER		ELEV (FT)	NORTH	EAST	SOUTH	WEST
7	401	RANDALL	105+28.56	57.28 LT			A		TY24 F&G	903.37			898.85	
7	402	RANDALL	105+91.72	53.98 LT		A4			TY24 F&G	902.64	898.22		898.22	
7	403	RANDALL	106+56.92	52.95 LT		A4			TY24 F&G	901.74	897.57		897.57	
7	404	RANDALL	107+20.84	51.60 LT		A4			TY24 F&G	900.60	896.53			895.53
7	405	RANDALL	107+13.78	64.09 LT				FLARED END, 18"	-				897.68	
7	406	RANDALL	107+69.51	65.87 LT				FLARED END, 18"	-		897.39			
7	407	RANDALL	107+99.88	51.39 LT			A		TY24 F&G	898.66		894.66		
7	408	RANDALL	108+00.00	59.39 LT	A4				TY1 CLOSED LID	897.90			892.52	894.62
7	409	RANDALL	109+42.47	56.31 LT	A4				TY1 CLOSED LID	893.64	890.45		888.64	890.45
7	410	RANDALL	109+42.26	48.31 LT			A		TY24 F&G	894.45		890.50		
7	411	RANDALL	105+27.65	47.69 RT			A		TY24 F&G	903.46				899.20
7	412	RANDALL	105+27.61	55.03 RT	A4				TY1 CLOSED LID	903.82		899.15	899.15	
7	413	RANDALL	105+92.66	48.30 RT			A		TY24 F&G	902.87				898.55
7	414	RANDALL	105+92.57	55.63 RT	A4				TY1 CLOSED LID	903.09	898.50	898.50	898.50	
7	415	RANDALL	106+55.11	49.19 RT			A		TY24 F&G	901.86				896.93
7	416	RANDALL	106+54.95	58.52 RT	A4				TY1 CLOSED LID	902.18	897.86	896.86	896.86	
7	417	RANDALL	107+19.06	57.80 RT	A4				TY1 CLOSED LID	900.79	896.28	894.44	894.44	
7	418	RANDALL	107+18.97	49.80 RT		A4			TY24 F&G	900.53		894.48		894.48
7	419	RANDALL	107+19.98	15.61 LT		A4			TY11 F&G	901.34	895.00	895.00		895.00
7	420	RANDALL	105+92.10	6.53 LT			A		TY11 F&G	903.64			897.05	
7	421	RANDALL	107+96.55	49.46 RT			A		TY24 F&G	898.66				894.66
7	422	RANDALL	107+96.58	57.14 RT	A4				TY1 CLOSED LID	898.96	893.66	894.61	893.66	
7	423	RANDALL	109+36.92	47.55 RT			A		TY24 F&G	894.56				890.56
7	424	RANDALL	109+38.16	55.15 RT	A4				TY1 CLOSED LID	894.91	891.59	890.61	889.06	

PROPOSED DRAINAGE STRUCTURE TABLE

SHEET	STRUCT. NO.	ALIGN	STATION	OFFSET (FT)	STRUCTURE TYPE / SIZE				FRAME AND GRATE OR LID	RIM	INVERT ELEVATIONS			
					MH	CB	INL	OTHER		ELEV (FT)	NORTH	EAST	SOUTH	WEST
9	501	RANDALL	110+84.70	51.57 LT	A4				TY1 CLOSED LID	890.58	887.22			887.02
9	502	RANDALL	111+00.11	63.88 LT				FLARED END, 18"	-				886.12	
9	503	RANDALL	111+46.54	61.43 LT				FLARED END, 18"	-		886.56			
9	504	RANDALL	112+26.26	44.48 LT			A		TY24 F&G	888.87		884.98		
9	505	RANDALL	112+26.14	54.28 LT				FLARED END, 12"	-					884.91
9	506	RANDALL	112+95.89	45.82 LT		A4			TY24 F&G	888.27		884.63		884.63
9	507	RANDALL	112+84.10	58.55 LT				FLARED END, 18"	-				885.43	
9	508	RANDALL	112+96.33	58.06 LT	A4				TY1 CLOSED LID	888.00	885.34		884.57	884.57
9	509	RANDALL	113+17.76	57.96 LT		A4			TY24 F&G	887.33	884.40		884.40	
9	510	RANDALL	110+79.76	76.18 RT				FLARED END, 19"x30"	-			886.59		
9	511	RANDALL	110+79.78	54.81 RT	A6				TY1 CLOSED LID	889.57	886.65	886.75		886.65
9	512	RANDALL	110+79.75	46.81 RT		A5			TY24 F&G	890.95		886.79		886.79
9	513	RANDALL	110+84.80	43.44 LT		A4			TY24 F&G	891.00		886.98		886.98
9	514	RANDALL	112+22.73	47.05 RT			A		TY24 F&G	888.75			885.43	
9	515	RANDALL	112+92.65	45.53 RT		A4			TY24 F&G	888.22	885.08	885.08		
9	516	RANDALL	113+27.99	77.77 RT				FLARED END, 24"	-				885.85	
9	517	RANDALL	113+64.26	56.41 RT				FLARED END, 24"	-		885.51			
9	518	RANDALL	116+50.28	51.62 RT				FLARED END, 24"	-				883.90	
9	519	RANDALL	116+90.00	51.13 RT				FLARED END, 24"	-		883.70			

PROPOSED DRAINAGE STRUCTURE TABLE

SHEET	STRUCT. NO.	ALIGN	STATION	OFFSET (FT)	STRUCTURE TYPE / SIZE				FRAME AND GRATE OR LID	RIM	INVERT ELEVATIONS			
					MH	CB	INL	OTHER		ELEV (FT)	NORTH	EAST	SOUTH	WEST
11	701	IL-72	189+39.17	43.68 LT		A5			TY24 F&G	920.11		910.70		911.30
11	702	IL-72	191+53.14	42.51 LT		A5			TY24 F&G	917.97		910.00		910.00
11	703	IL-72	188+96.12	39.85 RT		A4			TY24 F&G	920.50		916.50		916.50
11	704	IL-72	191+49.78	47.84 RT	A4				TY1 CLOSED LID	918.53	914.67	914.53		914.53
11	705	IL-72	191+50.22	38.47 RT			A		TY24 F&G	918.24			914.74	
11	706	IL-72	192+95.39	54.52 RT	A4				TY1 CLOSED LID	916.56	912.32	912.32		912.32
11	707	IL-72	192+95.50	47.26 RT			A		TY24 F&G	915.87			912.37	
11	708	IL-72	192+85.35	10.72 LT			A		TY11 F&G	916.88		912.18		

PROPOSED DRAINAGE STRUCTURE TABLE

SHEET	STRUCT. NO.	ALIGN	STATION	OFFSET (FT)	STRUCTURE TYPE / SIZE				FRAME AND GRATE OR LID	RIM	INVERT ELEVATIONS			
					MH	CB	INL	OTHER		ELEV (FT)	NORTH	EAST	SOUTH	WEST
13	801	IL-72	193+51.57	46.83 LT		A5			TY24 F&G	914.77		908.13		909.40
13	802	IL-72	195+64.13	47.43 LT		A5			TY24 F&G	911.85		905.40	907.80	906.00
13	803	IL-72	197+14.36	47.87 LT		A5			TY24 F&G	909.49		901.25	905.45	903.90
13	804	IL-72	193+95.49	56.12 RT	A4				TY1 CLOSED LID	916.11	910.77	910.77		910.77
13	805	IL-72	193+95.70	49.79 RT			A		TY24 F&G	914.31			910.81	
13	806	IL-72	194+95.63	62.23 RT	A4				TY1 CLOSED LID	915.04	909.04	909.04		909.04
13	807	IL-72	194+95.91	52.90 RT			A		TY24 F&G	912.61			909.11	
13	808	IL-72	195+96.37	64.18 RT	A4				TY1 CLOSED LID	912.54	907.66	907.66		907.66
13	809	IL-72	195+96.54	54.87 RT			A		TY24 F&G	911.23			907.73	
13	810	IL-72	196+95.97	64.58 RT	A5				TY1 CLOSED LID	911.42	906.14	906.14		906.14
13	811	IL-72	196+95.99	55.25 RT			A		TY24 F&G	909.71			906.21	
13	812	IL-72	197+96.88	62.53 RT	A5				TY1 CLOSED LID	908.88	904.13	900.01		904.13
13	813	IL-72	197+96.87	55.27 RT			A		TY24 F&G	907.68			904.18	
13	814	IL-72	195+63.80	10.77 LT		A4			TY11 F&G	912.59	908.00			908.00
13	815	IL-72	197+20.16	11.24 LT		A4			TY11 F&G	910.14	905.65			

PROPOSED DRAINAGE PIPE TABLE

SHEET	PIPE NO.	STRUCTURE		DESCRIPTION	CLASS	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE (%)	TBF (CF)
		FROM	TO							
7	S401	401	402	STORM SEWER	A	2	12	58.9	1.1	17.9
7	S402	402	403	STORM SEWER	A	2	12	60.9	1.1	17.1
7	S403	403	404	STORM SEWER	A	2	12	59.6	1.7	15.4
7	S404	405	406	PIPE CULVERT	A	1	18	52.0	0.6	5.9
7	S405	407	408	STORM SEWER	A	2	12	5.3	0.8	1.0
7	S406	408	409	STORM SEWER	A	2	12	137.8	1.5	0.0
7	S407	410	409	STORM SEWER	A	2	12	5.3	0.9	1.0
7	S408	411	412	STORM SEWER	A	2	12	4.7	1.1	1.9
7	S409	412	414	STORM SEWER	A	2	12	61.3	1.1	25.1
7	S410	413	414	STORM SEWER	A	2	12	4.7	1.1	1.9
7	S411	414	416	STORM SEWER	A	2	12	58.7	1.1	29.6
7	S412	415	416	STORM SEWER	A	2	12	6.7	1.0	3.1
7	S413	416	417	STORM SEWER	A	2	15	60.4	1.0	42.7
7	S414	418	417	STORM SEWER	A	2	18	4.0	1.0	2.8
7	S415	419	418	STORM SEWER	A	2	15	61.4	0.8	31.3
7	S416	404	419	STORM SEWER	A	2	15	32.0	1.7	14.4
7	S417	420	419	STORM SEWER	A	2	12	124.1	1.7	61.2
7	S418	417	422	STORM SEWER	A	2	18	73.9	1.1	47.7
7	S419	421	422	STORM SEWER	A	2	12	5.0	1.0	2.3
7	S420	422	424	STORM SEWER	A	2	18	138.3	1.5	113.8
7	S421	423	424	STORM SEWER	A	2	12	4.9	1.0	2.5

PROPOSED DRAINAGE PIPE TABLE

SHEET	PIPE NO.	STRUCTURE		DESCRIPTION	CLASS	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE (%)	TBF (CF)
		FROM	TO							
9	S501	409	501	STORM SEWER	A	2	12	138.1	1.0	50.7
9	S502	503	502	PIPE CULVERT	A	1	18	43.2	1.0	-4.9
9	S503	504	505	STORM SEWER	A	2	12	7.1	1.0	0.1
9	S504	506	508	STORM SEWER	A	2	18	8.2	0.7	1.8
9	S505	507	508	STORM SEWER	A	2	18	8.5	1.1	0.0
9	S506	508	509	STORM SEWER	A	2	18	17.5	1.0	3.1
9	S507	509	EX	STORM SEWER	A	2	18			0.0
9	S508	424	511	STORM SEWER	A	2	24	138.3	1.7	75.8
9	S509	501	513	STORM SEWER	A	2	15	4.1	1.0	1.0
9	S510	513	512	STORM SEWER	A	2	15	86.4	0.2	23.0
9	S511	512	511	STORM SEWER	A	2	19x30	4.0	1.0	1.7
9	S512	511	510	STORM SEWER	A	2	19x30	17.6	0.3	2.1
9	S513	514	515	STORM SEWER	A	2	12	65.7	0.5	9.6
9	S514	515	506	STORM SEWER	A	2	12	87.4	0.5	14.7
9	S515	516	517	PIPE CULVERT	A	1	24	38.1	1.8	-4.7
9	S516	518	519	PIPE CULVERT	A	1	24	36.3	0.6	-4.8

PROPOSED DRAINAGE PIPE TABLE

SHEET	PIPE NO.	STRUCTURE		DESCRIPTION	CLASS	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE (%)	TBF (CF)
		FROM	TO							
11	S701	EX	701	STORM SEWER	A	2	30			0.0
11	S702	701	702	STORM SEWER	A	2	30	209.0	0.6	234.1
11	S703	702	801	STORM SEWER	A	2	30	193.6	0.3	161.1
11	S704	703	704	STORM SEWER	A	2	24	249.8	0.8	0.0
11	S705	705	704	STORM SEWER	A	2	12	6.7	1.0	1.3
11	S706	704	706	STORM SEWER	A	2	24	141.7	1.6	0.0
11	S707	707	706	STORM SEWER	A	2	12	4.6	1.1	1.0

PROPOSED DRAINAGE PIPE TABLE

SHEET	PIPE NO.	STRUCTURE		DESCRIPTION	CLASS	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE (%)	TBF (CF)
		FROM	TO							
13	S801	801	802	STORM SEWER	A	2	30	207.9	1.0	155.3
13	S802	802	803	STORM SEWER	A	2	30	145.5	1.0	103.7
13	S803	803	315	STORM SEWER	A	2	30	144.9	1.0	137.4
13	S804	706	804	STORM SEWER	A	2	24	95.9	1.6	0.0
13	S805	805	804	STORM SEWER	A	2	12	3.7	1.1	1.0
13	S806	804	806	STORM SEWER	A	2	24	96.1	1.8	68.3
13	S807	807	806	STORM SEWER	A	2	12	6.7	1.0	2.0
13	S808	806	808	STORM SEWER	A	2	24	96.5	1.4	0.0
13	S809	809	808	STORM SEWER	A	2	12	6.6	1.1	1.7
13	S810	808	810	STORM SEWER	A	2	24	95.4	1.6	0.0
13	S811	811	810	STORM SEWER	A	2	12	6.7	0.8	1.8
13	S812	810	812	STORM SEWER	A	2	30	96.7	2.1	0.0
13	S813	813	812	STORM SEWER	A	2	12	4.6	1.1	1.1
13	S814	708	814	STORM SEWER	A	2	12	274.6	1.5	80.7
13	S815	814	802	STORM SEWER	A	2	12	32.2	0.6	8.4
13	S816	815	803	STORM SEWER	A	2	12	32.6	0.6	8.6

PROPOSED DRAINAGE STRUCTURE TABLE

SHEET	STRUCT. NO.	ALIGN	STATION	OFFSET (FT)	STRUCTURE TYPE / SIZE				FRAME AND GRATE OR LID	RIM	INVERT ELEVATIONS			
					MH	CB	INL	OTHER		ELEV (FT)	NORTH	EAST	SOUTH	WEST
15	901	IL-72	203+03.48	60.39 LT	A5				TY1 CLOSED LID	887.09	879.95		880.50	
15	902	IL-72	203+02.85	9.65 RT		A5			TY11 F&G	888.22	880.65		880.65	884.00
15	903	IL-72	203+02.54	47.76 RT		A5			TY24 F&G	887.50	881.00		882.83	
15	904	IL-72	203+02.51	57.33 RT	A6				TY1 CLOSED LID	888.83	881.09			882.30
15	905	IL-72	202+68.70	188.73 LT				FLARED END, 15"				876.00		
15	906	IL-72	202+72.43	114.18 LT				FLARED END, 30"	-				878.10	
15	907	IL-72	203+21.81	220.76 LT				FLARED END, 15"	-			871.50		
15	908	IL-72	202+87.82	194.86 LT	A6			RESTRICTOR, 72"	2-TY1 CLOSED LID	882.42		874.80		871.43
15	910	IL-72	203+21.65	220.63 LT				FLARED END, 15"	-					871.00

PROPOSED DRAINAGE STRUCTURE TABLE

SHEET	STRUCT. NO.	ALIGN	STATION	OFFSET (FT)	STRUCTURE TYPE / SIZE				FRAME AND GRATE OR LID	RIM	INVERT ELEVATIONS			
					MH	CB	INL	OTHER		ELEV (FT)	NORTH	EAST	SOUTH	WEST
17	1001	IL-72	207+00.47	54.68 LT		A4			TY24 F&G	866.97		858.70		860.60
17	1002	IL-72	209+17.68	50.20 LT		A5			TY1 CLOSED LID	862.30			851.40	

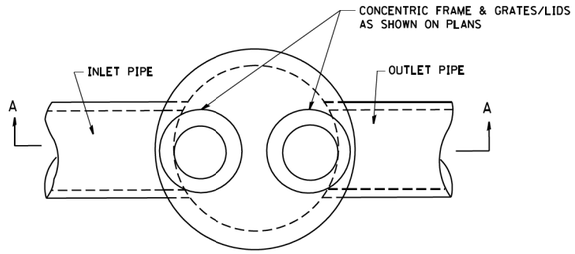
NOTE
AN ADDITIONAL 100 FEET OF STORM SEWERS, CLASS A, TYPE 2, 12" AND 3 ADDITIONAL MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID HAVE BEEN INCLUDED IN THE CONTRACT TO USE AT THE DISCRETION OF THE ENGINEER IF FIELD DRAIN TILES ARE ENCOUNTERED.

PROPOSED DRAINAGE PIPE TABLE

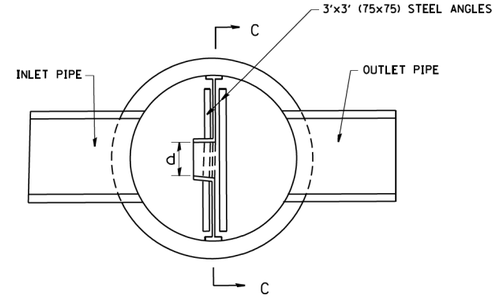
SHEET	PIPE NO.	STRUCTURE		DESCRIPTION	CLASS	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE (%)	TBF (CF)
		FROM	TO							
15	S901	901	906	STORM SEWER	A	2	30	57.7	3.1	0.0
15	S902	902	901	STORM SEWER	A	2	30	66.0	0.2	59.4
15	S903	903	902	STORM SEWER	A	2	30	34.1	1.0	30.1
15	S904	904	903	STORM SEWER	A	2	30	5.6	1.6	5.0
15	S905	305	902	STORM SEWER	A	2	12	190.2	2.0	110.0
15	S906	306	904	STORM SEWER	A	2	30	189.2	1.0	43.5
15	S907	EX	1001	STORM SEWER	A	2	24	92.0	2.1	91.3
15	S908	905	908	PIPE CULVERT	A	1	15	15.1	1.3	0.0
15	S909	908	907	PIPE CULVERT	A	1	15	37.7	1.1	0.0

PROPOSED DRAINAGE PIPE TABLE

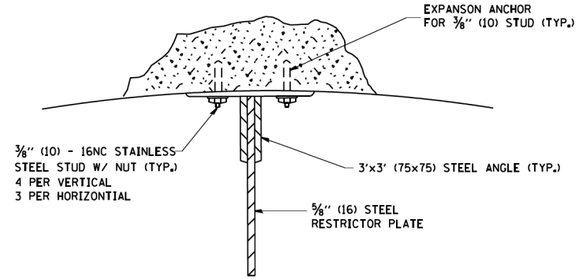
SHEET	PIPE NO.	STRUCTURE		DESCRIPTION	CLASS	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE (%)	TBF (CF)
		FROM	TO							
17	S1001	1001	EX	STORM SEWER	A	2	24	98.0	1.4	66.8
17	S1002	1003	1002	STORM SEWER	A	2	12	3.5	1.4	3.5



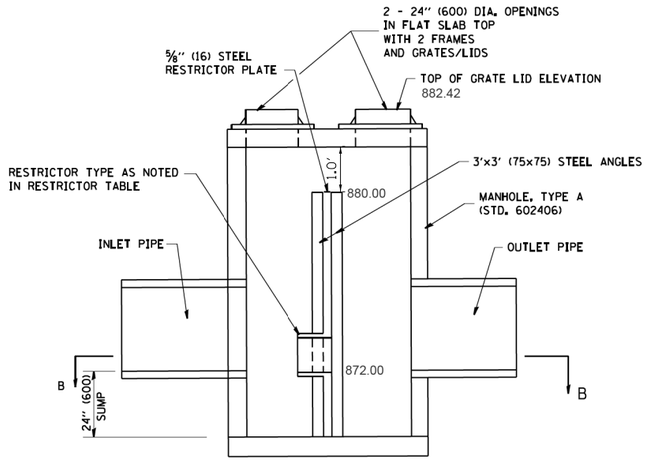
PLAN



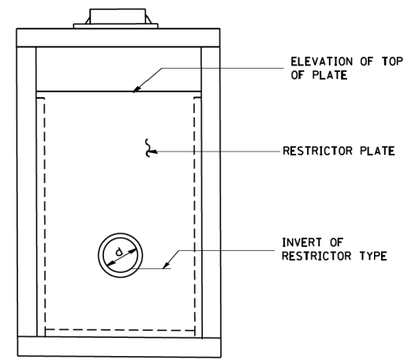
SECTION B-B



ANGLE FASTENER DETAIL



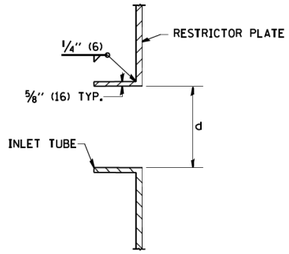
SECTION A-A



SECTION C-C

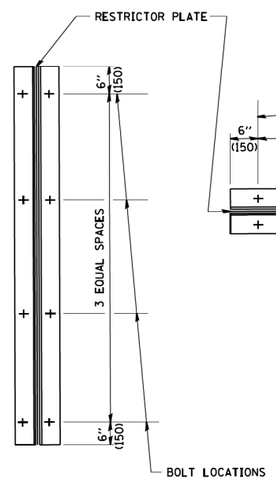
NOTES:

1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
3. BASIS OF PAYMENT: "MANHOLES ,TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH

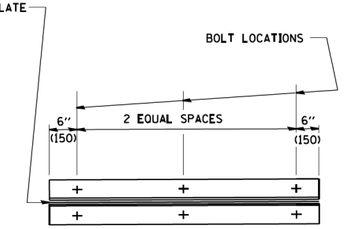


INLET TUBE DETAIL

STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
Randall 98+00.86, 292.79' LT	6'	2, TY 1 CLOSED LID	2	4"	872.00	880.00



TYPICAL VERTICAL ANGLES
LOOKING TOWARD MANHOLE WALL



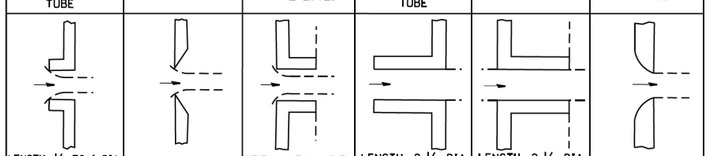
TYPICAL HORIZONTIAL
ANGLES LOOKING TOWARD
BOTTOM OF MANHOLE

TOTAL BOLTS REQUIRED: 22

NOTE:

1. ANGLES SHOULD BE 3x3x3/8 (75x75x75)
2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
3. HORIZONTIAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

STEEL ANGLE BOLTING DETAILS

RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
					
LENGTH: 1/2 TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-1/2 DIA.	LENGTH: 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR
AND SQUARE ORIFICES

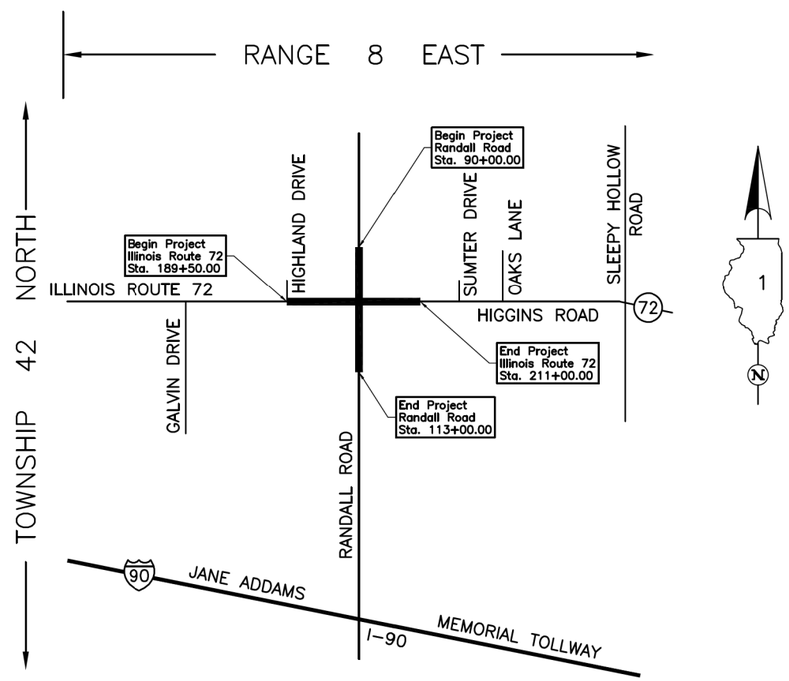
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\bd12.dgn	USER NAME = gaglianobt	DESIGNED - R. SHAH	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MANHOLE WITH RESTRICTOR PLATE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED - E. GOMEZ 08-28-00						304 / 124
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 01-08-01			BD600-04	(BD-12)	CONTRACT NO.	
	PLOT DATE = 1/4/2008	DATE - 09-09-94	REVISED -		SCALE: NONE / SHEET NO. 1 OF 1 SHEETS / STA. / TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

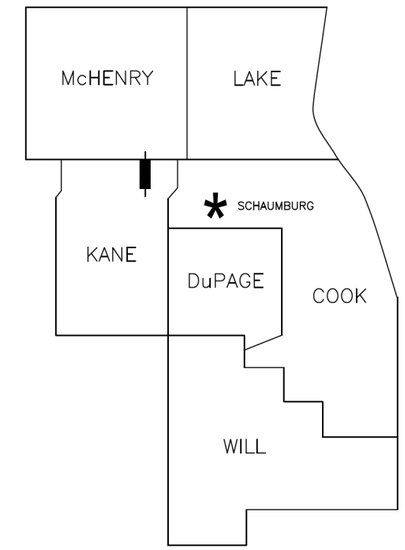
PLAT OF HIGHWAYS

ROUTE: RANDALL ROAD
SECTION: 19-00514-00-WR
COUNTY: KANE
LIMITS: RANDALL ROAD AT ILLINOIS ROUTE 72
JOB NO.: R-91-019-23



LOCATION MAP

PROJECT LENGTH = 2,300.00 LIN. FT. = 0.436 MILE, RANDALL ROAD
= 2,150.00 LIN. FT. = 0.407 MILE, ILLINOIS ROUTE 72
TOTAL LENGTH = 4,450.00 LIN. FT. = 0.843 MILE



DISTRICT HEADQUARTERS: -
LOCATION OF SECTION INDICATED THUS: -

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

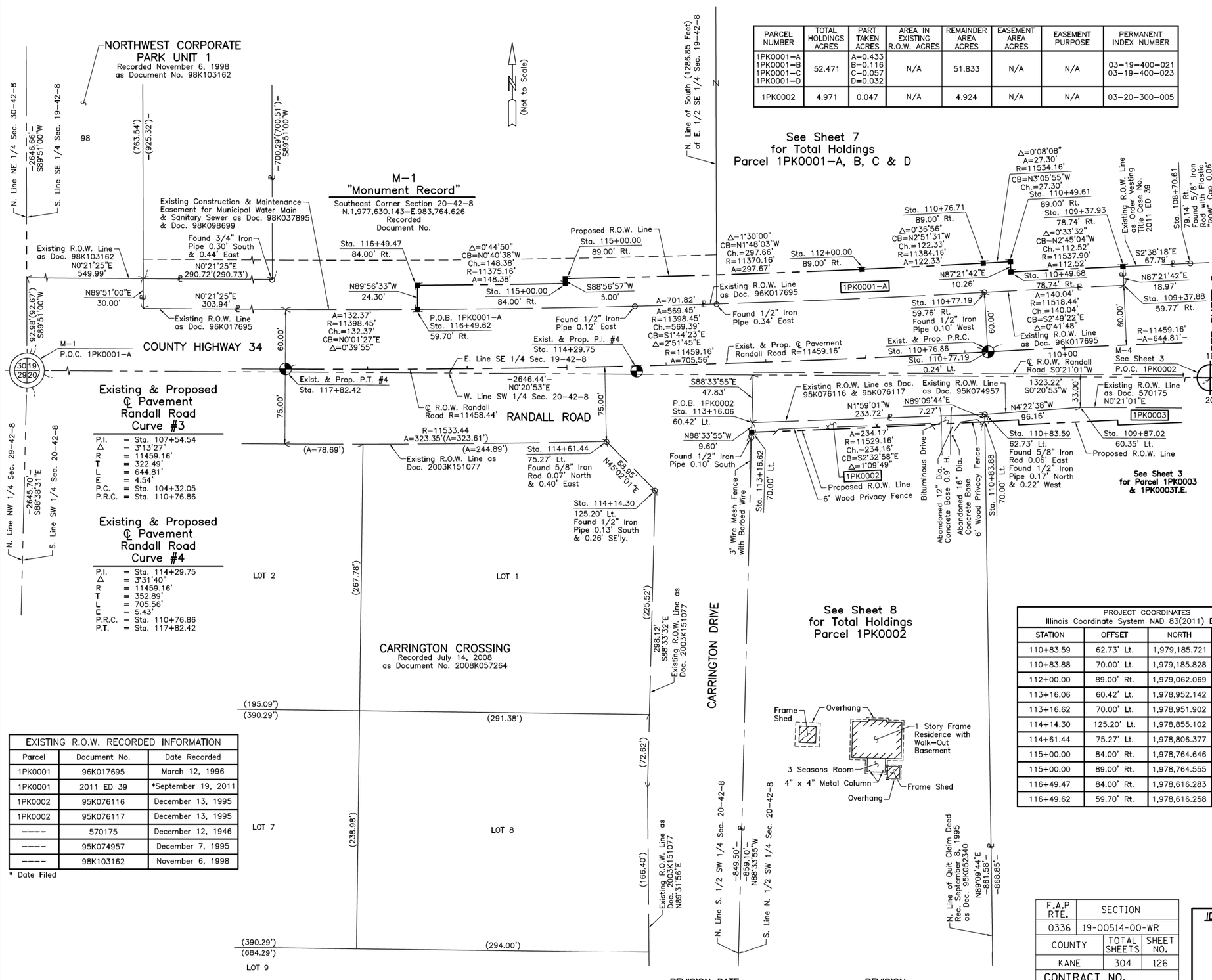
PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
1PK0001-A 1PK0001-B 1PK0001-C 1PK0001-D	Scannell Properties #442, LLC, an Indiana limited liability company	2, 3, 4 & 7	
1PK0002	John Edmund Strepek, as Trustee of the John Edmund Strepek Trust dated March 20, 1995, as to an undivided 1/2 interest and Connie Lynn Strepek, as Trustee of the Connie Lynn Strepek Trust dated March 20, 1995, as to an undivided 1/2 interest	2 & 8	
1PK0003 1PK0003T.E.	Strepek Family, L.L.C., an Illinois limited liability company	3 & 8	
1PK0004	Lucky Holdings Ltd., an Illinois Corporation	5	
1PK0005 1PK0005T.E.	HJK Ventures, LLC, an Illinois limited liability company	6	

IDOT USE ONLY

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	125
		CONTRACT NO.		

PART OF THE SE 1/4 OF SEC. 19 AND PART OF THE SW 1/4 OF SEC. 20, TWP. 42 N., R. 8 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
1PK0001–A 1PK0001–B 1PK0001–C 1PK0001–D	52.471	A=0.433 B=0.116 C–0.057 D=0.032	N/A	51.833	N/A	N/A	03–19–400–021 03–19–400–023
1PK0002	4.971	0.047	N/A	4.924	N/A	N/A	03–20–300–005



Existing & Proposed ℄ Pavement Randall Road Curve #3

P.I.	= Sta. 107+54.54
Δ	= 3°13'27"
R	= 11459.16'
T	= 322.49'
L	= 644.81'
E	= 4.54'
P.C.	= Sta. 104+32.05
P.R.C.	= Sta. 110+76.86

Existing & Proposed ℄ Pavement Randall Road Curve #4

P.I.	= Sta. 114+29.75
Δ	= 3°31'40"
R	= 11459.16'
T	= 352.89'
L	= 705.56'
E	= 5.43'
P.R.C.	= Sta. 110+76.86
P.T.	= Sta. 117+82.42

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1PK0001	96K017695	March 12, 1996
1PK0001	2011 ED 39	*September 19, 2011
1PK0002	95K076116	December 13, 1995
1PK0002	95K076117	December 13, 1995
----	570175	December 12, 1946
----	95K074957	December 7, 1995
----	98K103162	November 6, 1998

* Date Filed

LEGEND

SECTION CORNER — QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
(129.32') RECORD DIMENSION
EXISTING BUILDING

SCALE: 1"=50'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

IRON PIPE OR ROD FOUND — "MAG" NAIL SET
CUT CROSS FOUND OR SET — 5/8" REBAR SET

STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 667101–02 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184–2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 19, TOWNSHIP 42N., RANGE 8E. AND SECTION 20, TOWNSHIP 42N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20___ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35–2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

All dimensions are measured unless otherwise specified.
Areas shown on this plat are ground.
All measured and computed distances are grid not ground.
To obtain ground distances, divide grid distances shown by the combined factor of 0.9999373150.

PROJECT COORDINATES
Illinois Coordinate System NAD 83(2011) East Zone

STATION	OFFSET	NORTH	EAST
110+83.59	62.73' Lt.	1,979,185.721	983,812.386
110+83.88	70.00' Lt.	1,979,185.828	983,819.659
112+00.00	89.00' Rt.	1,979,062.069	983,666.607
113+16.06	60.42' Lt.	1,978,952.142	983,820.477
113+16.62	70.00' Lt.	1,978,951.902	983,830.075
114+14.30	125.20' Lt.	1,978,855.102	983,888.212
114+61.44	75.27' Lt.	1,978,806.377	983,839.429
115+00.00	84.00' Rt.	1,978,764.646	983,680.960
115+00.00	89.00' Rt.	1,978,764.555	983,675.961
116+49.47	84.00' Rt.	1,978,616.283	983,682.713
116+49.62	59.70' Rt.	1,978,616.258	983,707.015

PROJECT COORDINATES
Illinois Coordinate System NAD 83(2011) East Zone

STATION	OFFSET	NORTH	EAST
108+70.61	79.14' Rt.	1,979,392.092	983,660.759
109+37.88	59.77' Rt.	1,979,325.251	983,682.832
109+37.93	78.74' Rt.	1,979,324.377	983,663.880
109+87.02	60.35' Lt.	1,979,281.598	983,805.048
110+49.61	89.00' Rt.	1,979,211.517	983,659.030
110+49.68	78.74' Rt.	1,979,211.989	983,669.280
110+76.71	89.00' Rt.	1,979,184.250	983,660.506
110+77.19	0.24' Lt.	1,979,188.703	983,749.633
110+77.19	59.76' Rt.	1,979,185.384	983,689.728

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356–3371

F.A.P RTE.	SECTION	
0336	19-00514-00-WR	
COUNTY	TOTAL SHEETS	SHEET NO.
KANE	304	126
CONTRACT NO.		

IDOT USE ONLY

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD

LIMITS: RANDALL ROAD AT ILLINOIS ROUTE 72
COUNTY: KANE
SECTION: 19–00514–00–WR JOB NO.: R–91–019–23
STATION 108+00 TO STATION 117+82.42
SCALE: 1"=50' SHEET 2 OF 9

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE — REVISION

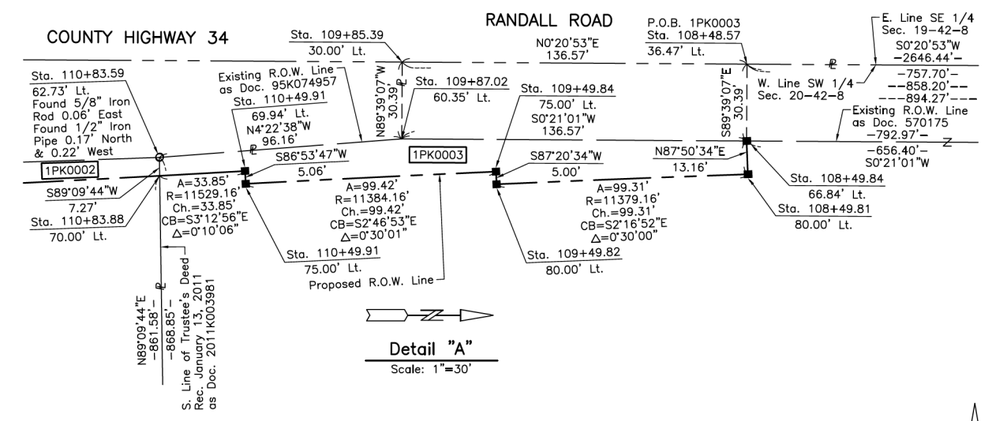
PART OF THE SE 1/4 OF SEC. 19 AND PART OF THE SW 1/4 OF SEC. 20, TWP. 42 N., R. 8 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
103+47.53	104.32' Lt.	1,979,917.922	983,836.296
103+65.75	76.87' Lt.	1,979,899.728	983,808.827
103+73.07	89.38' Lt.	1,979,892.397	983,821.330
104+00.00	87.00' Rt.	1,979,865.641	983,644.921
104+00.00	92.00' Rt.	1,979,865.646	983,639.921
104+32.05	92.00' Rt.	1,979,833.596	983,639.888
104+32.40	0.21' Lt.	1,979,833.149	983,732.094
105+00.00	76.36' Rt.	1,979,765.178	983,655.658
105+00.00	92.00' Rt.	1,979,765.101	983,640.023
106+33.34	78.02' Rt.	1,979,630.936	983,655.447
108+48.57	36.47' Lt.	1,979,418.352	983,775.490
108+49.81	80.00' Lt.	1,979,418.663	983,819.032
108+49.84	66.84' Lt.	1,979,418.167	983,805.882
108+70.61	79.14' Rt.	1,979,392.092	983,660.759
109+37.88	59.77' Rt.	1,979,325.251	983,682.832
109+37.93	78.74' Rt.	1,979,324.377	983,663.880
109+49.82	80.00' Lt.	1,979,319.428	983,822.986
109+49.84	75.00' Lt.	1,979,319.196	983,817.991
109+85.39	30.00' Lt.	1,979,281.783	983,774.660
109+87.02	60.35' Lt.	1,979,281.598	983,805.048
110+49.91	69.94' Lt.	1,979,219.624	983,817.760
110+49.91	75.00' Lt.	1,979,219.898	983,822.815
110+77.19	0.24' Lt.	1,979,188.703	983,749.633
110+77.19	59.76' Rt.	1,979,185.384	983,689.728
110+83.59	62.73' Lt.	1,979,185.721	983,812.386
110+83.88	70.00' Lt.	1,979,185.828	983,819.659
197+54.02	69.52' Rt.	1,980,211.011	983,485.756
197+54.02	74.52' Rt.	1,980,206.011	983,485.704
197+54.03	79.51' Rt.	1,980,201.023	983,485.652
198+15.20	69.47' Rt.	1,980,210.307	983,546.778
198+90.20	69.31' Rt.	1,980,209.360	983,621.583
199+00.55	79.44' Rt.	1,980,199.063	983,631.735
200+00.02	0.12' Rt.	1,980,276.540	983,732.505
200+42.90	0.09' Rt.	1,980,275.662	983,775.377
200+48.21	0.90' Lt.	1,980,276.536	983,780.703
201+40.40	65.55' Rt.	1,980,207.920	983,871.183
201+84.01	℄	1,980,272.320	983,916.442

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
1PK0001–A 1PK0001–B 1PK0001–C 1PK0001–D	52.471	A=0.433 B=0.116 C–0.057 D=0.032	N/A	51.833	N/A	N/A	03–19–400–021 03–19–400–023
1PK0003 1PK0003T.E.	71.897	0.168	0.095	71.729	0.018	Construction Purposes	03–20–300–010

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1PK0001	96K017695	March 12, 1996
1PK0001	2011 ED 39	*September 19, 2011
1PK0003	570175	December 12, 1946
1PK0003	1303206	July 9, 1974
1PK0003	95K074957	December 7, 1995
1PK0003	2011K029002	May 12, 2011
----	95K076116	December 13, 1995
----	95K076117	December 13, 1995

* Date Filed



M–4
"Monument Record"
East 1/4 Corner Section 19–42–8
N.1,980,276.536–E.983,780.703
Recorded
Document No.

Existing & Proposed ℄ Pavement Randall Road Curve #3

P.I. = Sta. 107+54.54
Δ = 3°13'27"
R = 11459.16'
T = 322.49'
L = 644.81'
E = 4.54'
P.C. = Sta. 104+32.05
P.R.C. = Sta. 110+76.86

Existing & Proposed ℄ Pavement Illinois Route 72 Curve #1

P.I. = Sta. 197+06.93
Δ = 1°54'30"
R = 27243.63'
T = 453.74'
L = 907.40'
E = 3.78'
P.C. = Sta. 192+53.19
P.T. = Sta. 201+60.59

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	127
CONTRACT NO.				

LEGEND

SECTION CORNER
QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APL — APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
AC — EXISTING ACCESS CONTROL LINE
AC — PROPOSED ACCESS CONTROL LINE
120.32' — MEASURED DIMENSION
129.32'(Comp.) — COMPUTED DIMENSION
(129.32') — RECORD DIMENSION
EXISTING BUILDING

0 50' 100'
SCALE: 1"=50'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

○ IRON PIPE OR ROD FOUND
⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET
● 5/8" REBAR SET
■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
PERMANENT SURVEY MARKER, I.D.O.T STD 667101–02 (TO BE SET BY OTHERS)
□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184–2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 19, TOWNSHIP 42N., RANGE 8E. AND SECTION 20, TOWNSHIP 42N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF_____20___ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35–2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

All dimensions are measured unless otherwise specified.
Areas shown on this plat are ground.
All measured and computed distances are grid not ground.
To obtain ground distances, divide grid distances shown by the combined factor of 0.9999373150.

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
100+80.28	87.00' Rt.	1,980,185.363	983,645.242
100+89.42	93.72' Lt.	1,980,176.042	983,826.150
100+89.44	76.90' Lt.	1,980,176.039	983,809.129
100+89.47	47.86' Lt.	1,980,176.034	983,780.093
100+91.49	75.93' Rt.	1,980,174.144	983,656.302
101+90.92	77.77' Lt.	1,980,074.558	983,809.896
101+90.97	44.77' Lt.	1,980,074.534	983,776.897
103+23.73	77.09' Lt.	1,979,941.748	983,809.084

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356–3371

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

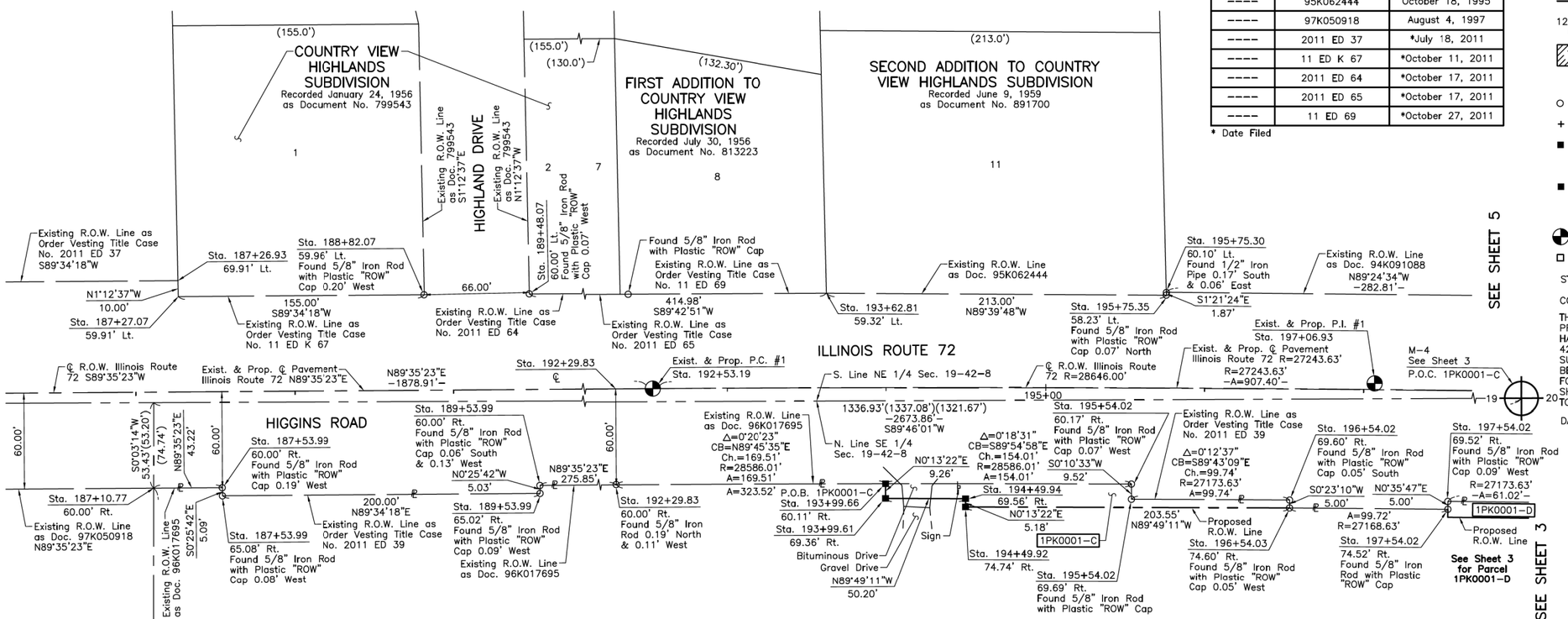
RANDALL ROAD

LIMITS: RANDALL ROAD AT ILLINOIS ROUTE 72 COUNTY: KANE
SECTION: 19–00514–00–WR JOB NO.: R–91–019–23
STATION 99+00 TO STATION 111+00
STATION 197+00 TO STATION 202+00
SCALE: 1"=50' SHEET 3 OF 9

IDOT USE ONLY

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PART OF THE EAST 1/2 OF SEC. 19, TWP. 42 N., R. 8 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.



EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1PK0001	96K017695	March 12, 1996
1PK0001	2011 ED 39	*September 19, 2011
----	799543	January 24, 1956
----	94K091088	December 19, 1994
----	95K062444	October 18, 1995
----	97K050918	August 4, 1997
----	2011 ED 37	*July 18, 2011
----	11 ED K 67	*October 11, 2011
----	2011 ED 64	*October 17, 2011
----	2011 ED 65	*October 17, 2011
----	11 ED 69	*October 27, 2011

* Date Filed

LEGEND

SECTION CORNER (9 10 16 15)

QUARTER SECTION CORNER (16 15)

N

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
(129.32') RECORD DIMENSION
EXISTING BUILDING

0 40' 80'
SCALE: 1"=40'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 667101–02 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184–2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 19, TOWNSHIP 42N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20___ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35–2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

All dimensions are measured unless otherwise specified.
Areas shown on this plat are ground.
All measured and computed distances are grid not ground.
To obtain ground distances, divide grid distances shown by the combined factor of 0.9999373150.

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
187+10.77	60.00' Rt.	1,980,217.670	982,443.733
187+26.93	69.91' Lt.	1,980,347.685	982,458.963
187+27.07	59.91' Lt.	1,980,337.687	982,459.174
187+53.99	60.00' Rt.	1,980,217.979	982,486.953
187+53.99	65.08' Rt.	1,980,212.891	982,486.991
188+82.07	59.96' Lt.	1,980,338.846	982,614.172
189+48.07	60.00' Lt.	1,980,339.357	982,680.172
189+53.99	60.00' Rt.	1,980,219.411	982,686.948
189+53.99	65.02' Rt.	1,980,214.386	982,686.986

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356–3371

Existing & Proposed ℄ Pavement Illinois Route 72 Curve #1

P.I. = Sta. 197+06.93
Δ = 1°54'30"
R = 27243.63'
T = 453.74'
L = 907.40'
E = 3.78'
P.C. = Sta. 192+53.19
P.T. = Sta. 201+60.59

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
1PK0001–A 1PK0001–B 1PK0001–C 1PK0001–D	52.471	A=0.433 B=0.116 C–0.057 D=0.032	N/A	51.833	N/A	N/A	03–19–400–021 03–19–400–023

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
192+29.83	℄	1,980,281.380	982,962.359
192+29.83	60.00' Rt.	1,980,221.386	982,962.788
193+62.81	59.32' Lt.	1,980,341.428	983,095.144
193+99.61	69.36' Rt.	1,980,212.840	983,132.253
193+99.66	60.11' Rt.	1,980,222.096	983,132.289
194+49.92	74.74' Rt.	1,980,207.507	983,182.434
194+49.94	69.56' Rt.	1,980,212.682	983,182.454
195+54.02	60.17' Rt.	1,980,221.871	983,286.304
195+54.02	69.69' Rt.	1,980,212.355	983,286.274
195+75.30	60.10' Lt.	1,980,342.048	983,308.100
195+75.35	58.23' Lt.	1,980,340.177	983,308.144
196+54.02	69.60' Rt.	1,980,211.866	983,386.016
196+54.03	74.60' Rt.	1,980,206.866	983,385.983
197+54.02	69.52' Rt.	1,980,211.011	983,485.756
197+54.02	74.52' Rt.	1,980,206.011	983,485.704

F.A.P RTE.	SECTION		
0336	19-00514-00-WR		
COUNTY		TOTAL SHEETS	SHEET NO.
KANE		304	128
CONTRACT NO.			

IDOT USE ONLY

REVISION DATE REVISION

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
RANDALL ROAD

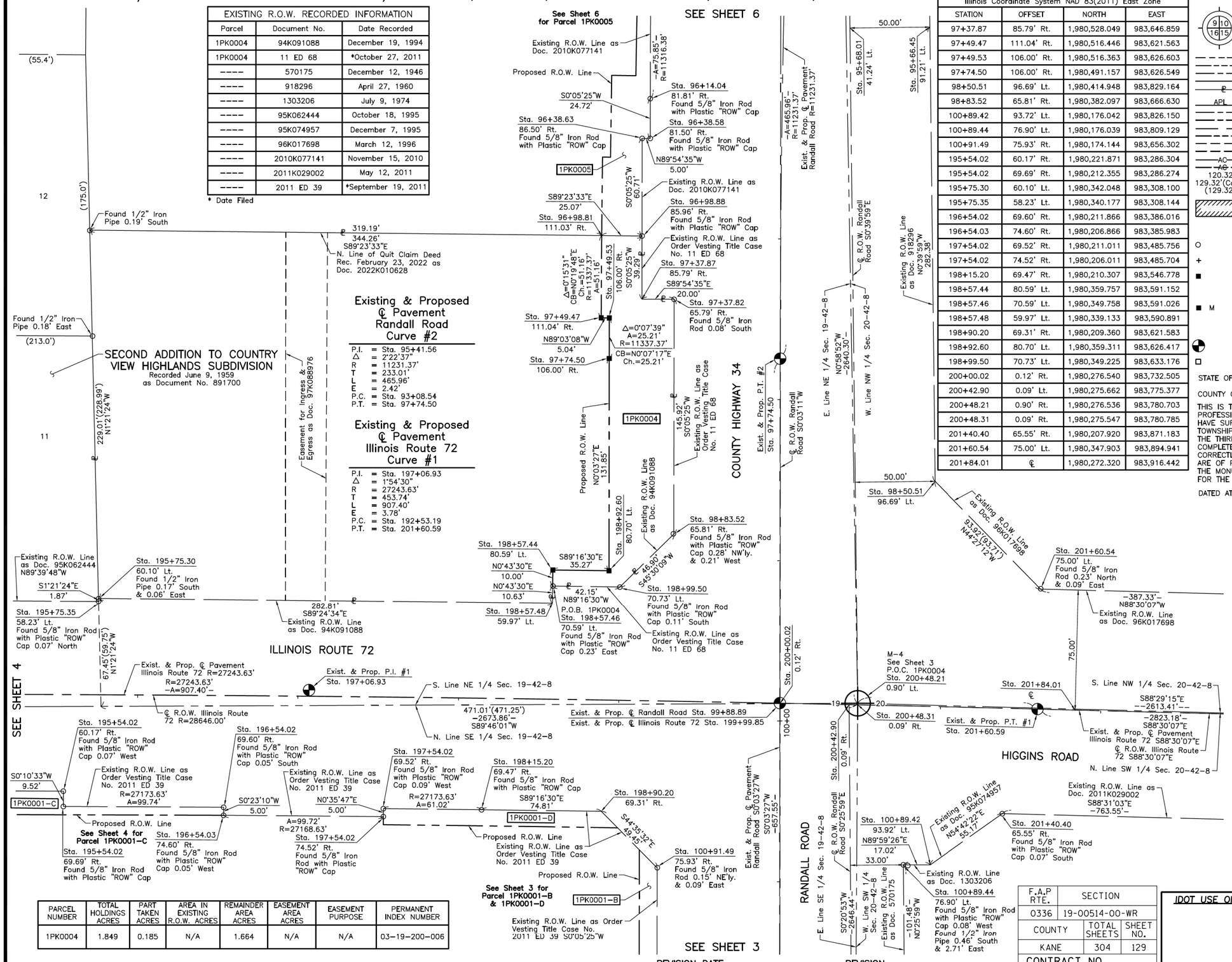
LIMITS: RANDALL ROAD AT ILLINOIS ROUTE 72
COUNTY: KANE
SECTION: 19–00514–00–WR JOB NO.: R–91–019–23
STATION 187+00 TO STATION 198+00
SCALE: 1"=40' SHEET 4 OF 9

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PART OF THE EAST 1/2 OF SEC. 19 AND PART OF THE WEST 1/2 OF SEC. 20, TWP. 42 N., R. 8 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1PK0004	94K091088	December 19, 1994
1PK0004	11 ED 68	*October 27, 2011
----	570175	December 12, 1946
----	918296	April 27, 1960
----	1303206	July 9, 1974
----	95K062444	October 18, 1995
----	95K074957	December 7, 1995
----	96K017698	March 12, 1996
----	2010K077141	November 15, 2010
----	2011K029002	May 12, 2011
----	2011 ED 39	*September 19, 2011

* Date Filed



PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
97+37.87	85.79' Rt.	1,980,528.049	983,646.859
97+49.47	111.04' Rt.	1,980,516.446	983,621.563
97+49.53	106.00' Rt.	1,980,516.363	983,626.603
97+74.50	106.00' Rt.	1,980,491.157	983,626.549
98+50.51	96.69' Lt.	1,980,414.948	983,829.164
98+83.52	65.81' Rt.	1,980,382.097	983,666.630
100+89.42	93.72' Lt.	1,980,176.042	983,826.150
100+89.44	76.90' Lt.	1,980,176.039	983,809.129
100+91.49	75.93' Rt.	1,980,174.144	983,656.302
195+54.02	60.17' Rt.	1,980,221.871	983,286.304
195+54.02	69.69' Rt.	1,980,212.355	983,286.274
195+75.30	60.10' Lt.	1,980,342.048	983,308.100
195+75.35	58.23' Lt.	1,980,340.177	983,308.144
196+54.02	69.60' Rt.	1,980,211.866	983,386.016
196+54.03	74.60' Rt.	1,980,206.866	983,385.983
197+54.02	69.52' Rt.	1,980,211.011	983,485.756
197+54.02	74.52' Rt.	1,980,206.011	983,485.704
198+15.20	69.47' Rt.	1,980,210.307	983,546.778
198+57.44	80.59' Lt.	1,980,359.757	983,591.152
198+57.46	70.59' Lt.	1,980,349.758	983,591.026
198+57.48	59.97' Lt.	1,980,339.133	983,590.891
198+90.20	69.31' Rt.	1,980,209.360	983,621.583
198+92.60	80.70' Lt.	1,980,359.311	983,626.417
198+99.50	70.73' Lt.	1,980,349.225	983,633.176
200+00.02	0.12' Rt.	1,980,276.540	983,732.505
200+42.90	0.09' Lt.	1,980,275.662	983,775.377
200+48.21	0.90' Rt.	1,980,276.536	983,780.703
200+48.31	0.09' Rt.	1,980,275.547	983,780.785
201+40.40	65.55' Rt.	1,980,207.920	983,871.183
201+60.54	75.00' Lt.	1,980,347.903	983,894.941
201+84.01	℄	1,980,272.320	983,916.442

LEGEND

SECTION CORNER (9 10 16 15)

QUARTER SECTION CORNER (16 15)

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- ℄ PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTER LINE
- PROPOSED CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- 120.32' MEASURED DIMENSION
- (129.32') COMPUTED DIMENSION
- (129.32') RECORD DIMENSION
- EXISTING BUILDING

N

0 30' 60'

SCALE: 1"=30'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 667101-02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 19, TOWNSHIP 42N., RANGE 8E. AND SECTION 20, TOWNSHIP 42N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20___ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

All dimensions are measured unless otherwise specified.
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All measured and computed distances are grid not ground.
To obtain ground distances, divide grid distances shown by the combined factor of 0.9999373150.

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
95+66.45	91.21' Lt.	1,980,697.309	983,825.880
95+68.01	41.24' Lt.	1,980,696.728	983,775.886
96+14.04	81.81' Rt.	1,980,652.761	983,652.056
96+38.58	81.50' Rt.	1,980,628.041	983,652.017
96+38.63	86.50' Rt.	1,980,628.048	983,647.017
96+98.81	111.03' Rt.	1,980,567.607	983,621.857
96+98.88	85.96' Rt.	1,980,567.341	983,646.921
97+37.82	65.79' Rt.	1,980,528.017	983,666.859

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
1PK0004	1.849	0.185	N/A	1.664	N/A	N/A	03-19-200-006

F.A.P RTE.	SECTION	
0336	19-00514-00-WR	
COUNTY	TOTAL SHEETS	SHEET NO.
KANE	304	129
CONTRACT NO.		

IDOT USE ONLY

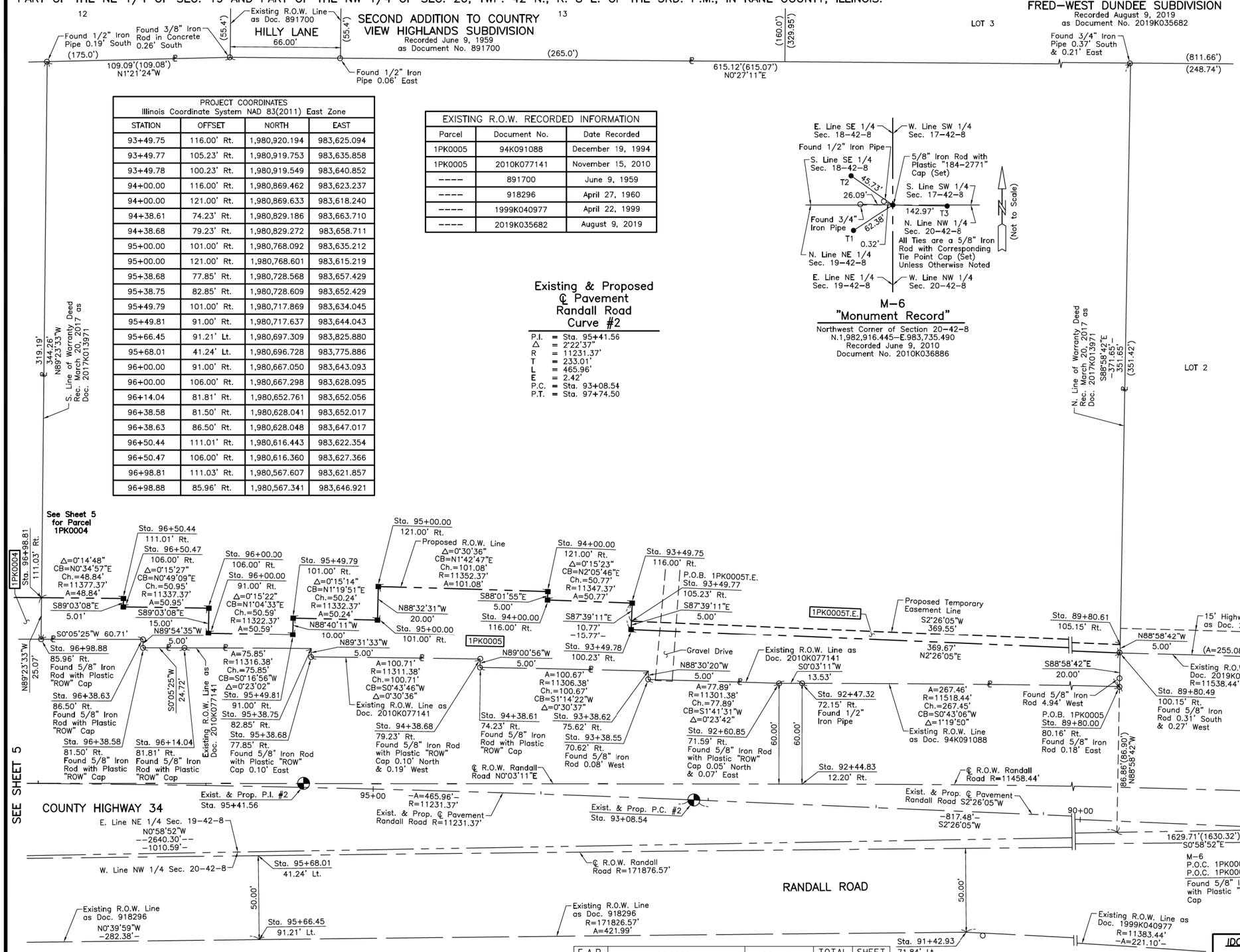
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD

LIMITS: RANDALL ROAD AT ILLINOIS ROUTE 72
COUNTY: KANE
SECTION: 19-00514-00-WR JOB NO.: R-91-019-23
STATION 95+00 TO STATION 101+00
STATION 195+00 TO STATION 202+00
SCALE: 1"=30' SHEET 5 OF 9

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PART OF THE NE 1/4 OF SEC. 19 AND PART OF THE NW 1/4 OF SEC. 20, TWP. 42 N., R. 8 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.



PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
93+49.75	116.00' Rt.	1,980,920.194	983,625.094
93+49.77	105.23' Rt.	1,980,919.753	983,635.858
93+49.78	100.23' Rt.	1,980,919.549	983,640.852
94+00.00	116.00' Rt.	1,980,869.462	983,623.237
94+00.00	121.00' Rt.	1,980,869.633	983,618.240
94+38.61	74.23' Rt.	1,980,829.186	983,663.710
94+38.68	79.23' Rt.	1,980,829.272	983,658.711
95+00.00	101.00' Rt.	1,980,768.092	983,635.212
95+00.00	121.00' Rt.	1,980,768.601	983,615.219
95+38.68	77.85' Rt.	1,980,728.568	983,657.429
95+38.75	82.85' Rt.	1,980,728.609	983,652.429
95+49.79	101.00' Rt.	1,980,717.869	983,634.045
95+49.81	91.00' Rt.	1,980,717.637	983,644.043
95+66.45	91.21' Lt.	1,980,697.309	983,825.880
95+68.01	41.24' Lt.	1,980,696.728	983,775.886
96+00.00	91.00' Rt.	1,980,667.050	983,643.093
96+00.00	106.00' Rt.	1,980,667.298	983,628.095
96+14.04	81.81' Rt.	1,980,652.761	983,652.056
96+38.58	81.50' Rt.	1,980,628.041	983,652.017
96+38.63	86.50' Rt.	1,980,628.048	983,647.017
96+50.44	111.01' Rt.	1,980,616.443	983,622.354
96+50.47	106.00' Rt.	1,980,616.360	983,627.366
96+98.81	111.03' Rt.	1,980,567.607	983,621.857
96+98.88	85.96' Rt.	1,980,567.341	983,646.921

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
1PK0005	94K091088	December 19, 1994
1PK0005	2010K077141	November 15, 2010
----	891700	June 9, 1959
----	918296	April 27, 1960
----	1999K040977	April 22, 1999
----	2019K035682	August 9, 2019

Existing & Proposed ℄ Pavement Randall Road Curve #2

P.I. = Sta. 95+41.56
Δ = 2°22'37"
R = 11231.37'
T = 233.01'
L = 465.96'
E = 2.42'
P.C. = Sta. 93+08.54
P.T. = Sta. 97+74.50

M-6
"Monument Record"
Northwest Corner of Section 20-42-8
N.1,982,916.445-E.983,735.490
Recorded June 9, 2010
Document No. 2010K036886

LEGEND

SECTION CORNER (9 10 16 15)
QUARTER SECTION CORNER (16 15)

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- ℄ PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTER LINE
- PROPOSED CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- 120.32' MEASURED DIMENSION
- 129.32'(Comp.) COMPUTED DIMENSION
- (129.32') RECORD DIMENSION
- EXISTING BUILDING

0 30' 60'
SCALE: 1"=30'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 667101-02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 19, TOWNSHIP 42N., RANGE 8E. AND SECTION 20, TOWNSHIP 42N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF_____20___ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

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To obtain ground distances, divide grid distances shown by the combined factor of 0.9999373150.

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
89+80.00	80.16' Rt.	1,981,288.524	983,676.552
89+80.49	100.15' Rt.	1,981,288.880	983,656.556
89+80.61	105.15' Rt.	1,981,288.970	983,651.556
91+42.93	71.84' Lt.	1,981,119.280	983,821.490
92+44.83	12.20' Rt.	1,981,021.038	983,733.195
92+47.32	72.15' Rt.	1,981,021.094	983,673.199
92+60.85	71.59' Rt.	1,981,007.560	983,673.186
93+38.55	70.62' Rt.	1,980,929.699	983,670.886
93+38.62	75.62' Rt.	1,980,929.830	983,665.888

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
1PK0005 1PK0005T.E.	6.020	0.450	N/A	5.570	0.042	Grading	03-19-200-004

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	130
		CONTRACT NO.		

REVISION DATE REVISION

IDOT USE ONLY

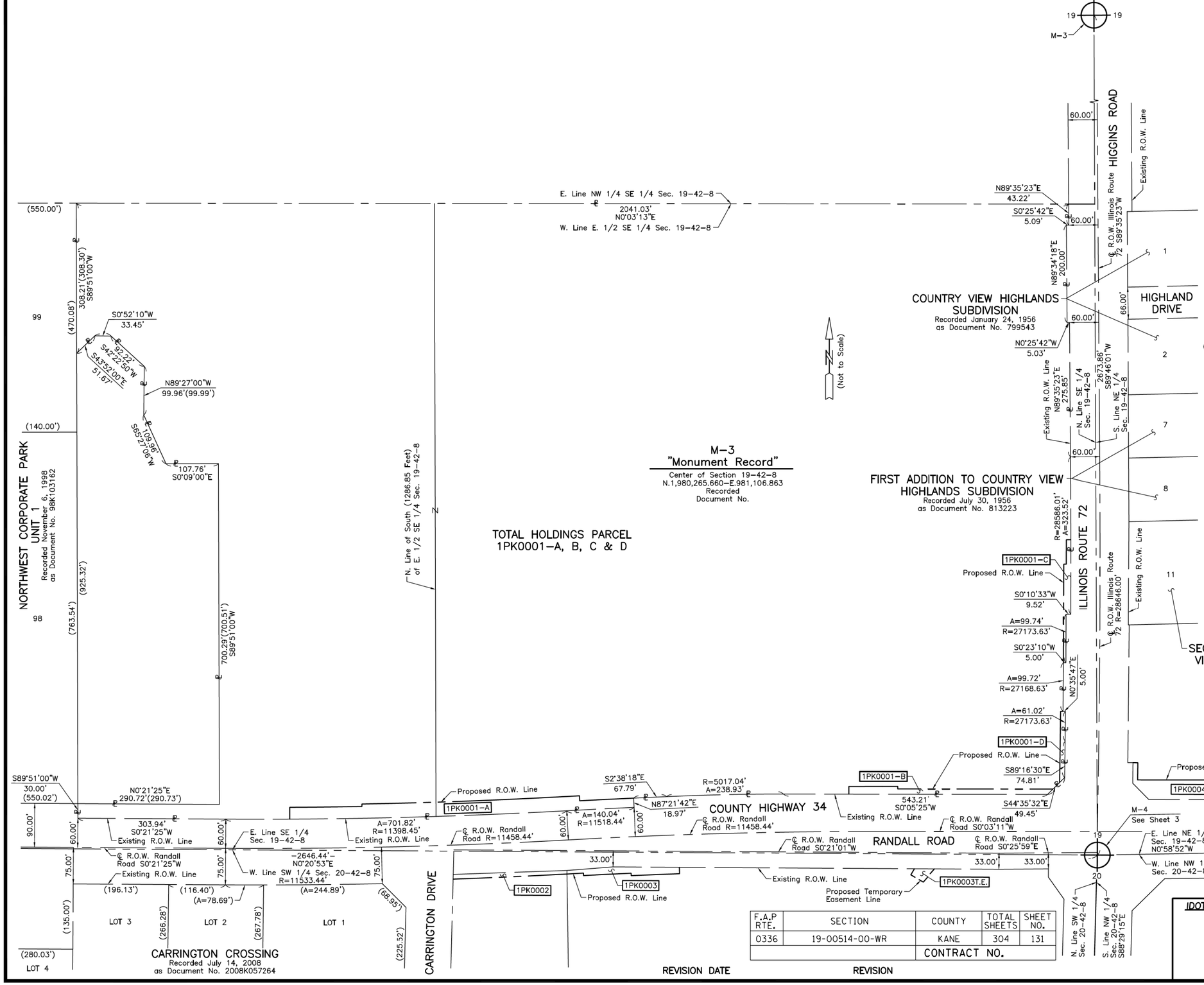
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD

LIMITS: RANDALL ROAD AT ILLINOIS ROUTE 72
COUNTY: KANE
SECTION: 19-00514-00-WR JOB NO.: R-91-019-23
STATION 89+00 TO STATION 97+00
SCALE: 1"=30' SHEET 6 OF 9

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PART OF THE EAST 1/2 OF SEC. 19 AND PART OF THE WEST 1/2 OF SEC. 20, TWP. 42 N., R. 8 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.



LEGEND

SECTION CORNER (9 10 16 15)

QUARTER SECTION CORNER (16 15)

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- ℄ PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTER LINE
- PROPOSED CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- 120.32' MEASURED DIMENSION
- 129.32'(Comp.) COMPUTED DIMENSION
- (129.32') RECORD DIMENSION
- EXISTING BUILDING

0 100' 200'
SCALE: 1"=100'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 667101-02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 19, TOWNSHIP 42N., RANGE 8E. AND SECTION 20, TOWNSHIP 42N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20___ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

All dimensions are measured unless otherwise specified.
Areas shown on this plat are ground.
All measured and computed distances are grid not ground.
To obtain ground distances, divide grid distances shown by the combined factor of 0.9999373150.

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	131
		CONTRACT NO.		

REVISION DATE REVISION

IDOT USE ONLY

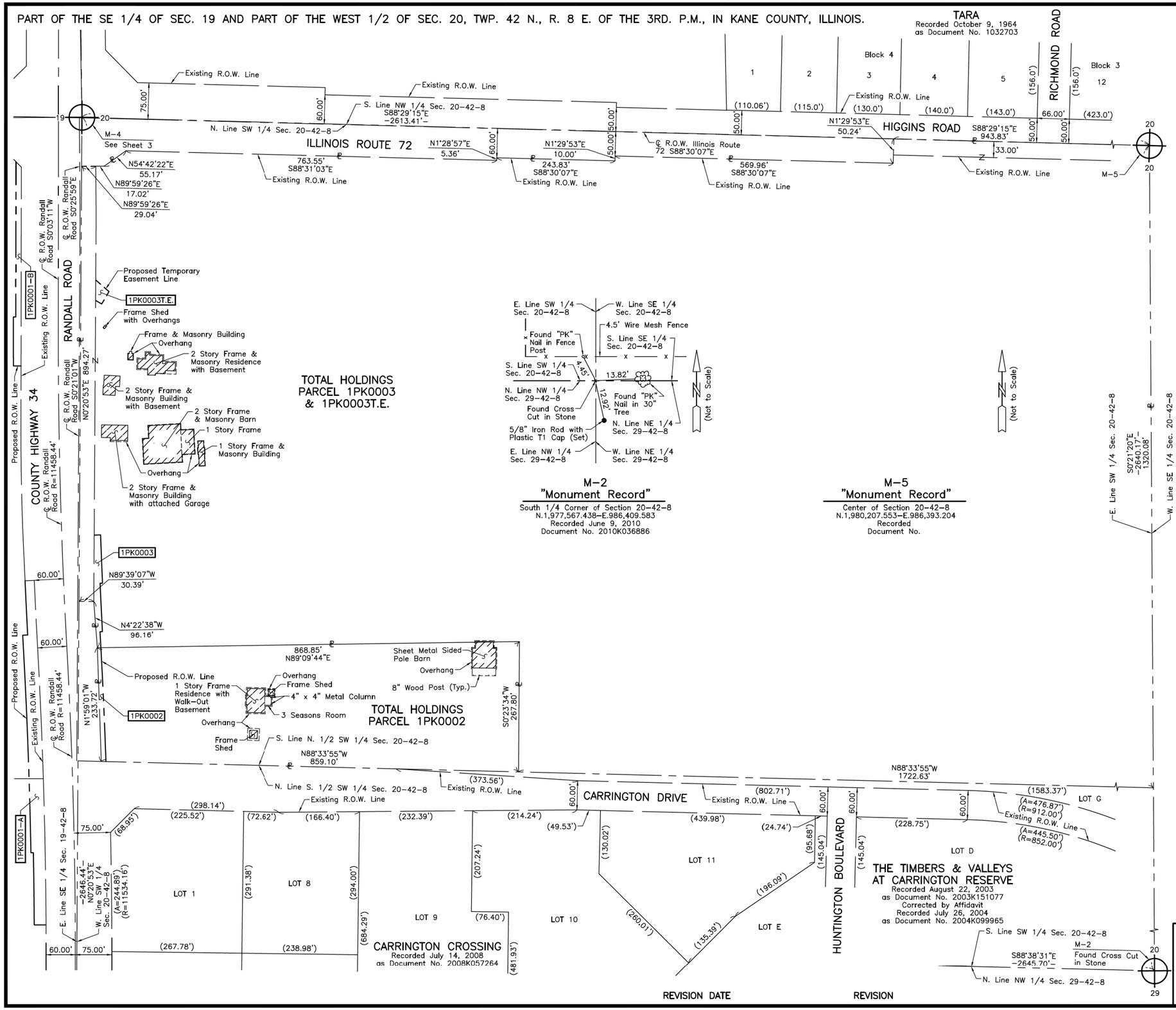
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD

LIMITS: RANDALL ROAD AT ILLINOIS ROUTE 72
COUNTY: KANE
SECTION: 19-00514-00-WR JOB NO.: R-91-019-23
STATION NONE TO STATION
SCALE: 1"=100' SHEET 7 OF 9

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PART OF THE SE 1/4 OF SEC. 19 AND PART OF THE WEST 1/2 OF SEC. 20, TWP. 42 N., R. 8 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.



LEGEND

SECTION CORNER — QUARTER SECTION CORNER

	SECTION LINE
	QUARTER SECTION LINE
	QUARTER, QUARTER SECTION LINE
	PLATTED LOT LINE
℄	PROPERTY (DEED) LINE
APL	APPARENT PROPERTY LINE
	EXISTING CENTER LINE
	PROPOSED CENTER LINE
	EXISTING RIGHT OF WAY LINE
	PROPOSED RIGHT OF WAY LINE
	EXISTING EASEMENT
	PROPOSED EASEMENT
AC	EXISTING ACCESS CONTROL LINE
AC	PROPOSED ACCESS CONTROL LINE
120.32'	MEASURED DIMENSION
129.32'(Comp.)	COMPUTED DIMENSION
(129.32')	RECORD DIMENSION
	EXISTING BUILDING

N

0 100' 200'
SCALE: 1"=100'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

O	IRON PIPE OR ROD FOUND	⊕	"MAG" NAIL SET
+	CUT CROSS FOUND OR SET	●	5/8" REBAR SET

■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 667101-02 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 19, TOWNSHIP 42N., RANGE 8E. AND SECTION 20, TOWNSHIP 42N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF_____20___ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

All dimensions are measured unless otherwise specified.
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To obtain ground distances, divide grid distances shown by the combined factor of 0.9999373150.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	132
		CONTRACT NO.		

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD

LIMITS: RANDALL ROAD AT ILLINOIS ROUTE 72
COUNTY: KANE
SECTION: 19-00514-00-WR JOB NO.: R-91-019-23
STATION NONE TO STATION
SCALE: 1"=100' SHEET 8 OF 9

IDOT USE ONLY

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE REVISION

PART OF THE EAST 1/2 OF SEC. 19, PART OF THE EAST 1/2 AND PART OF THE WEST 1/2 OF SEC. 20, TWP. 42 N., R. 8 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

Existing & Proposed ℄ Pavement Randall Road Curve #2

P.I. = Sta. 95+41.56
Δ = 2°22'37"
R = 11231.37'
T = 233.01'
L = 465.96'
E = 2.42'
P.C. = Sta. 93+08.54
P.T. = Sta. 97+74.50

Existing & Proposed ℄ Pavement Randall Road Curve #3

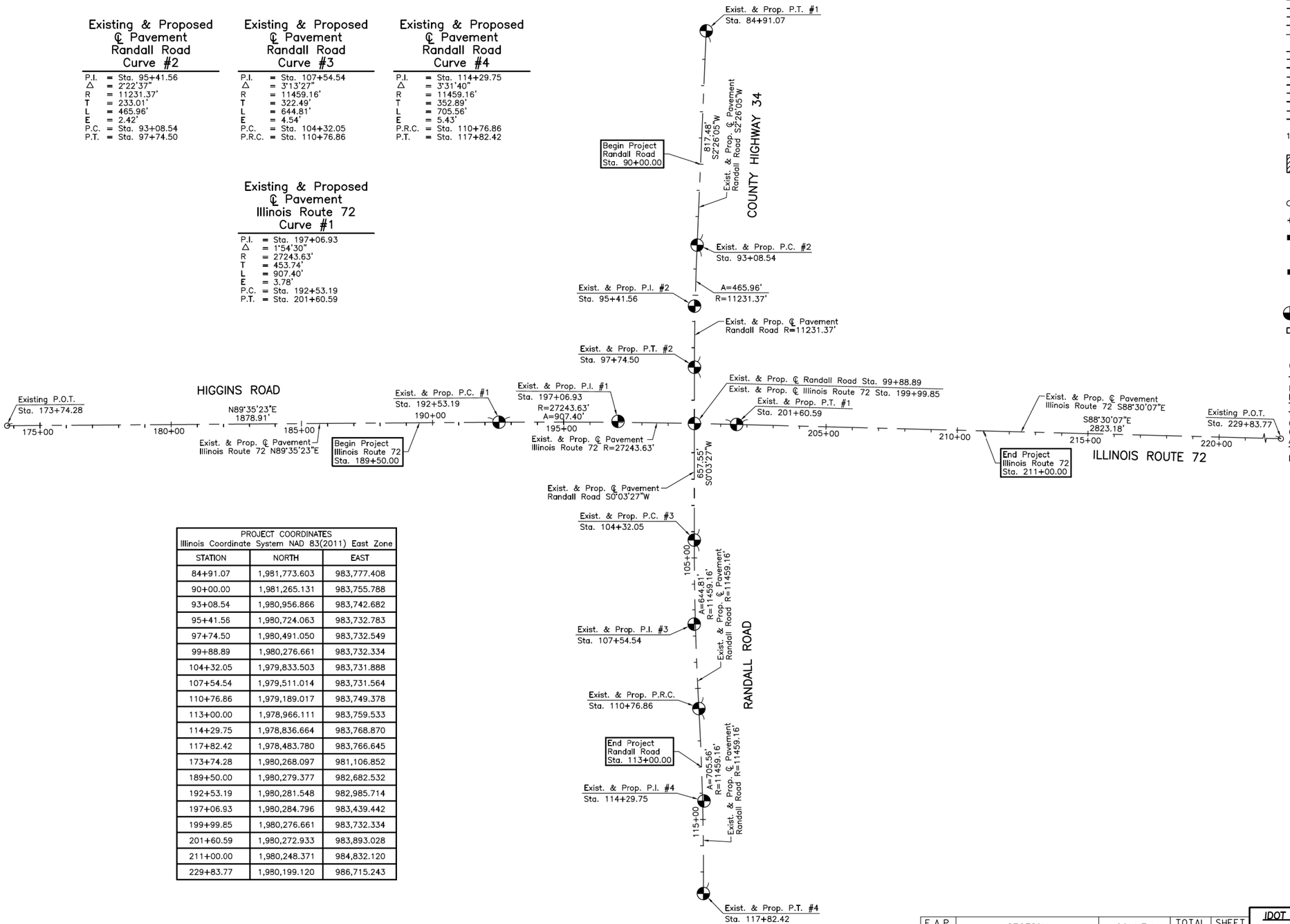
P.I. = Sta. 107+54.54
Δ = 3°13'27"
R = 11459.16'
T = 322.49'
L = 644.81'
E = 4.54'
P.C. = Sta. 104+32.05
P.R.C. = Sta. 110+76.86

Existing & Proposed ℄ Pavement Randall Road Curve #4

P.I. = Sta. 114+29.75
Δ = 3°31'40"
R = 11459.16'
T = 352.89'
L = 705.56'
E = 5.43'
P.R.C. = Sta. 110+76.86
P.T. = Sta. 117+82.42

Existing & Proposed ℄ Pavement Illinois Route 72 Curve #1

P.I. = Sta. 197+06.93
Δ = 1°54'30"
R = 27243.63'
T = 453.74'
L = 907.40'
E = 3.78'
P.C. = Sta. 192+53.19
P.T. = Sta. 201+60.59



PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone		
STATION	NORTH	EAST
84+91.07	1,981,773.603	983,777.408
90+00.00	1,981,265.131	983,755.788
93+08.54	1,980,956.866	983,742.682
95+41.56	1,980,724.063	983,732.783
97+74.50	1,980,491.050	983,732.549
99+88.89	1,980,276.661	983,732.334
104+32.05	1,979,833.503	983,731.888
107+54.54	1,979,511.014	983,731.564
110+76.86	1,979,189.017	983,749.378
113+00.00	1,978,966.111	983,759.533
114+29.75	1,978,836.664	983,768.870
117+82.42	1,978,483.780	983,766.645
173+74.28	1,980,268.097	981,106.852
189+50.00	1,980,279.377	982,682.532
192+53.19	1,980,281.548	982,985.714
197+06.93	1,980,284.796	983,439.442
199+99.85	1,980,276.661	983,732.334
201+60.59	1,980,272.933	983,893.028
211+00.00	1,980,248.371	984,832.120
229+83.77	1,980,199.120	986,715.243

LEGEND

SECTION CORNER (9 10 16 15)
QUARTER SECTION CORNER (16 15)

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
(129.32') RECORD DIMENSION
EXISTING BUILDING

N

0 200' 400'
SCALE: 1"=200'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

○ IRON PIPE OR ROD FOUND
⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET
● 5/8" REBAR SET
■ ***STAKING OF PROPOSED RIGHT OF WAY.*** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
■ M ***STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.*** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
PERMANENT SURVEY MARKER, I.D.O.T STD 667101-02 (TO BE SET BY OTHERS)
□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
)SS
COUNTY OF LAKE)

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 19, TOWNSHIP 42N., RANGE 8E. AND SECTION 20, TOWNSHIP 42N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20___ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

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JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD

LIMITS: RANDALL ROAD AT ILLINOIS ROUTE 72
COUNTY: KANE
SECTION: 19-00514-00-WR JOB NO.: R-91-019-23
STATION 84+91.07 TO STATION 117+82.42
STATION 173+74.28 TO STATION 229+83.77
SCALE: 1"=200' SHEET 9 OF 9

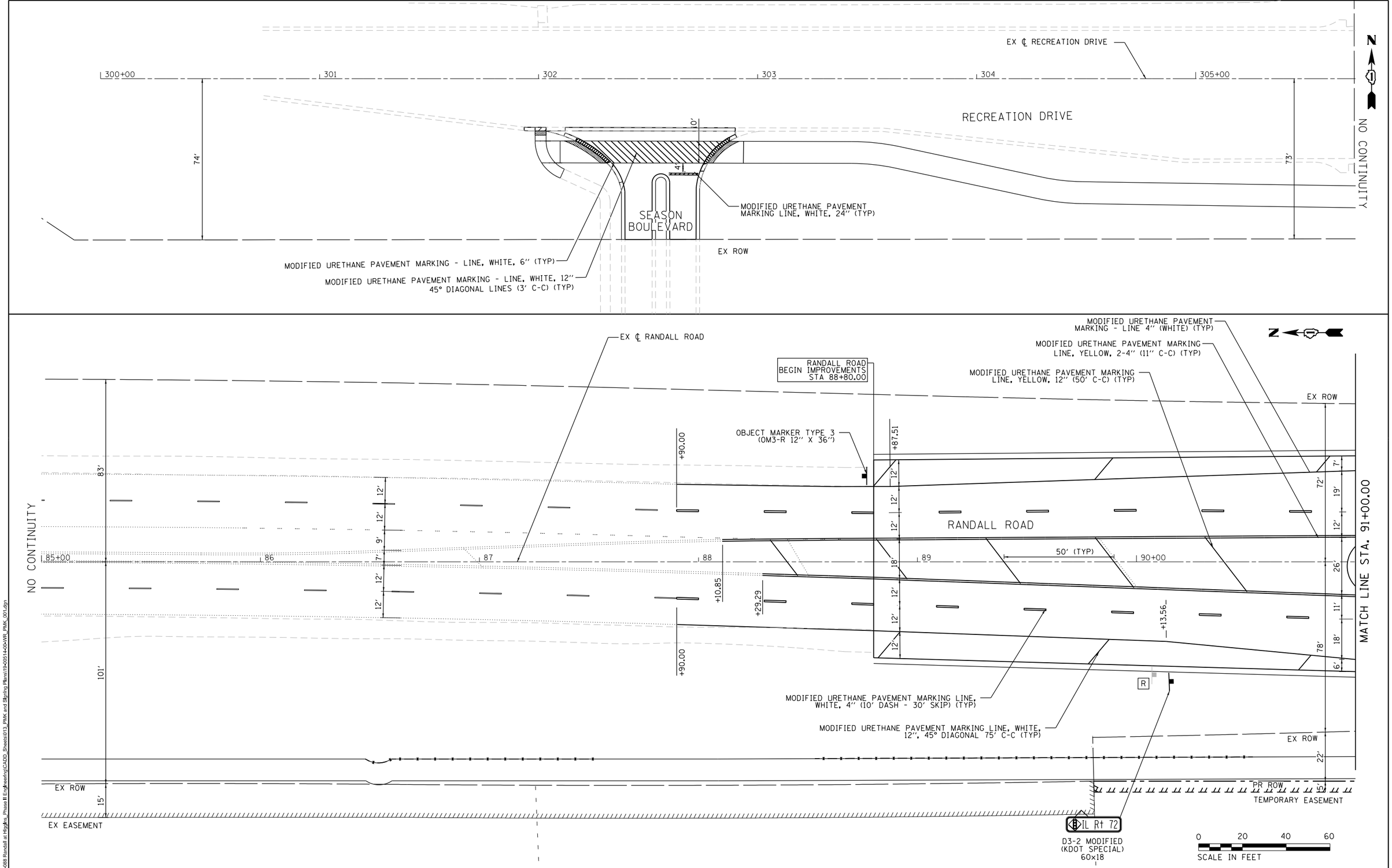
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	133
		CONTRACT NO.		

IDOT USE ONLY

REVISION DATE

REVISION

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196



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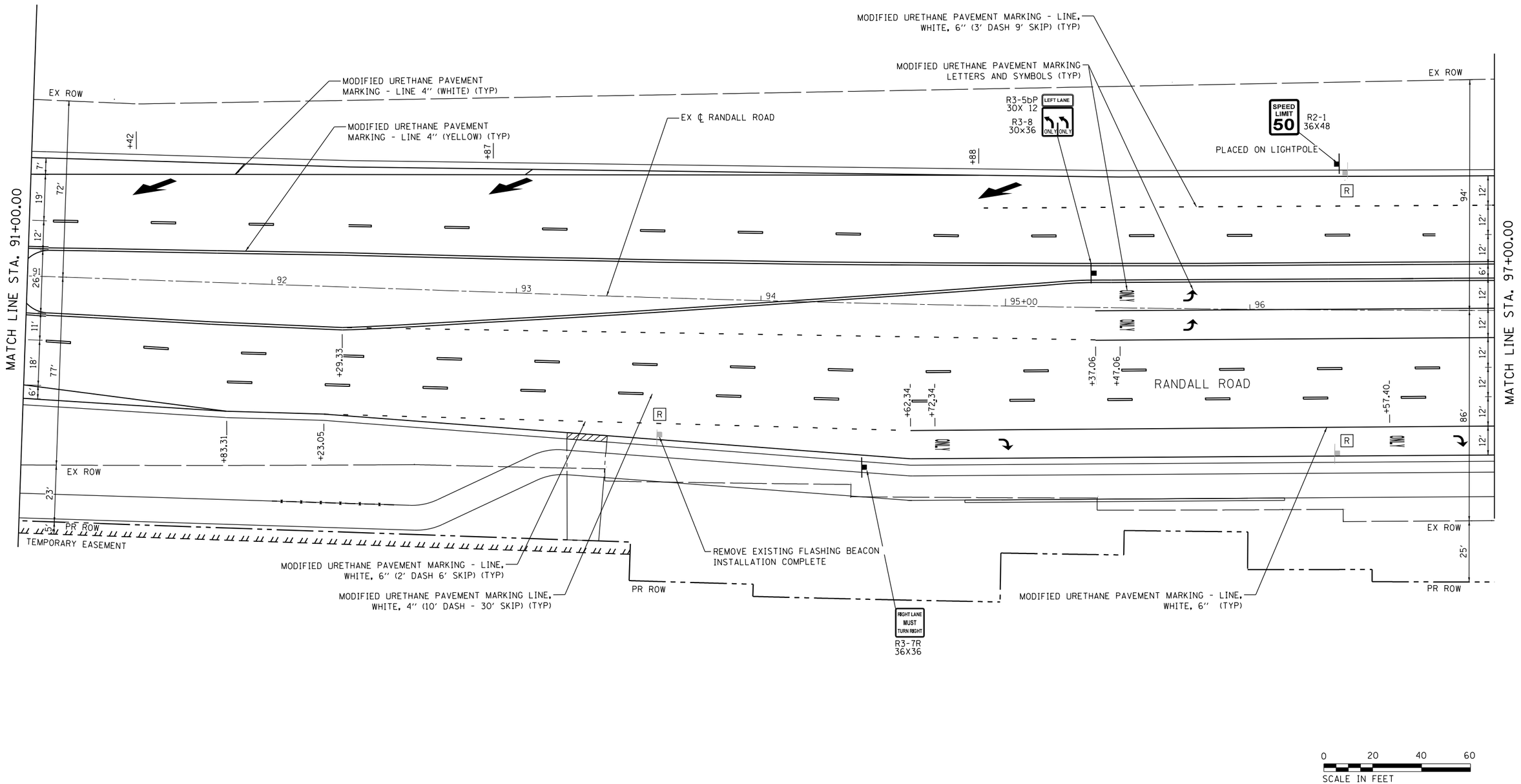
BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) PAVEMENT MARKING AND SIGNING PLAN
		DRAWN - TN	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -		
	PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=20' SHEET 1 OF 7 SHEETS STA. 85+00.00 TO STA. 91+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	134
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		



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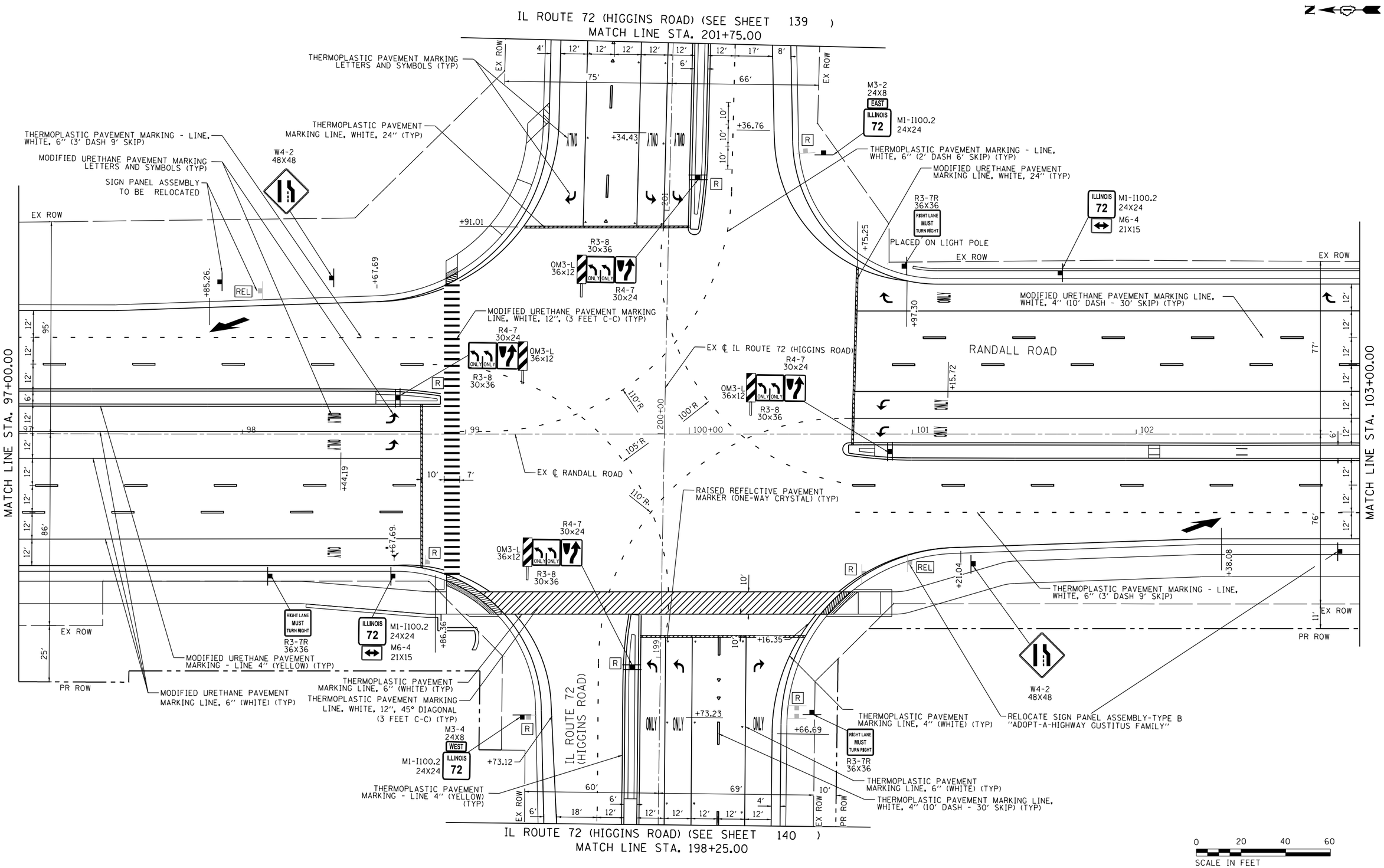
BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) PAVEMENT MARKING AND SIGNING PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - TN	REVISED -			0336	19-00514-00-WR	KANE	304 / 135
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -					CONTRACT NO. 61L28	
	PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=20' SHEET 2 OF 7 SHEETS STA. 91+00.00 TO STA. 97+00.00			ILLINOIS FED. AID PROJECT	



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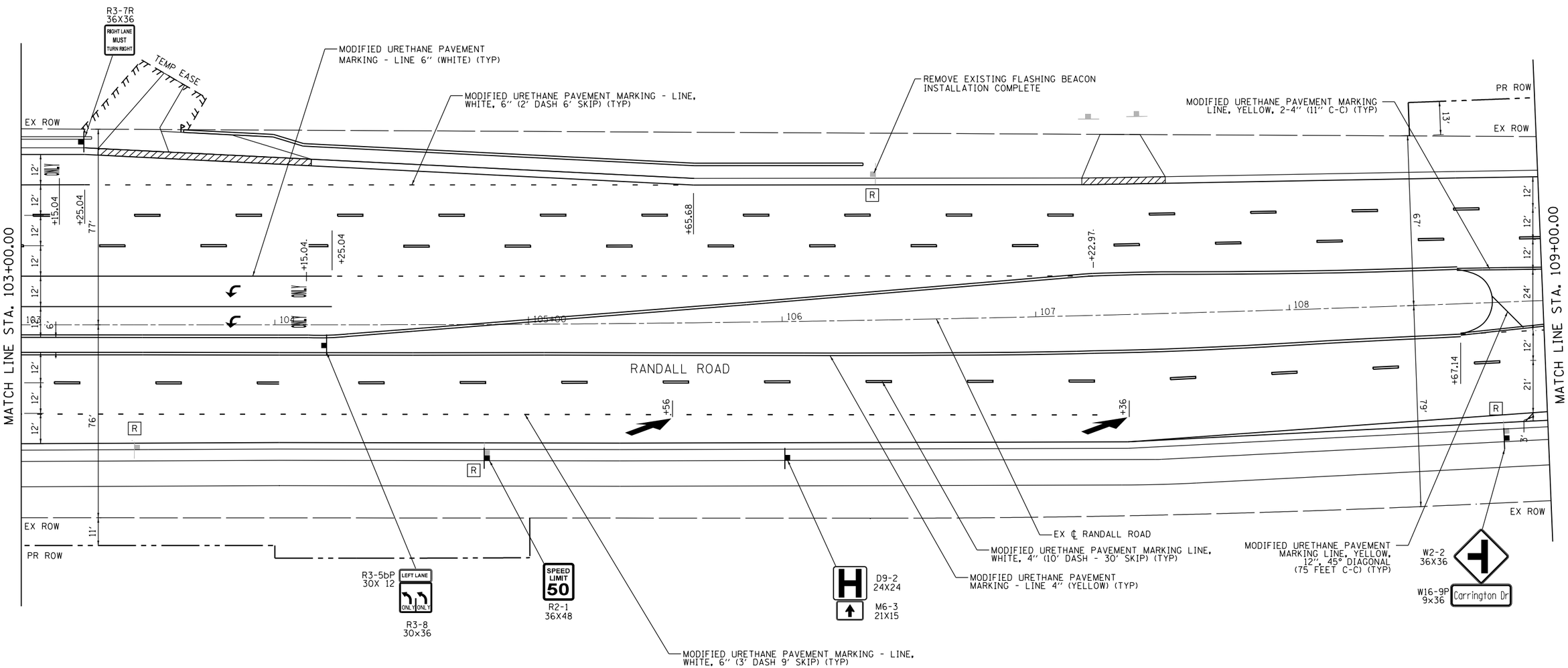
BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -
		DRAWN - TN	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -
	PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1"=20' | SHEET 3 OF 7 SHEETS | STA. 97+00.00 TO STA. 103+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	136
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		



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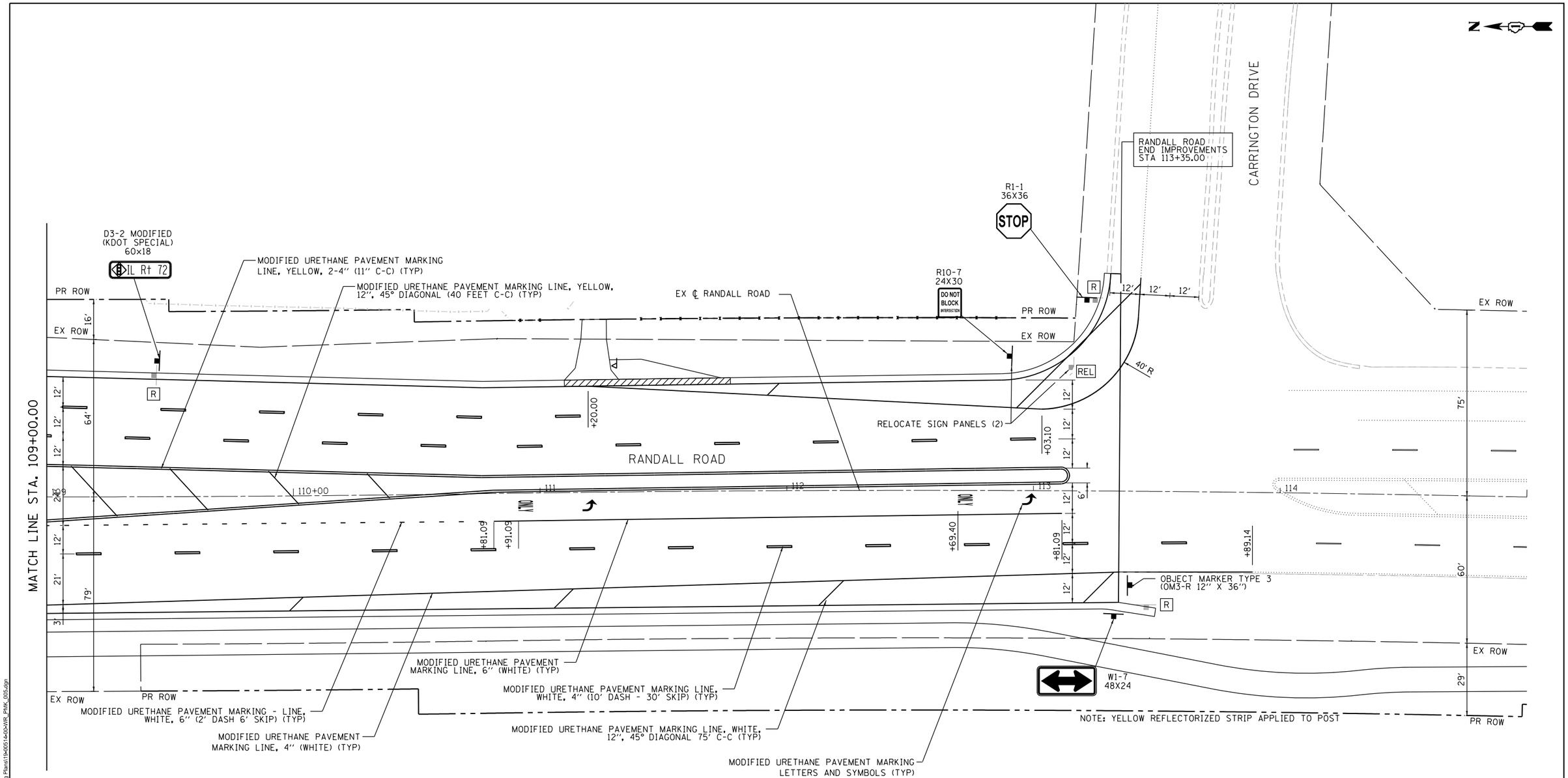
BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) PAVEMENT MARKING AND SIGNING PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - TN	REVISED -			0336	19-00514-00-WR	KANE	304 / 137
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -					CONTRACT NO. 61L28	
	PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=20' SHEET 4 OF 7 SHEETS STA. 103+00.00 TO STA. 109+00.00		ILLINOIS FED. AID PROJECT		



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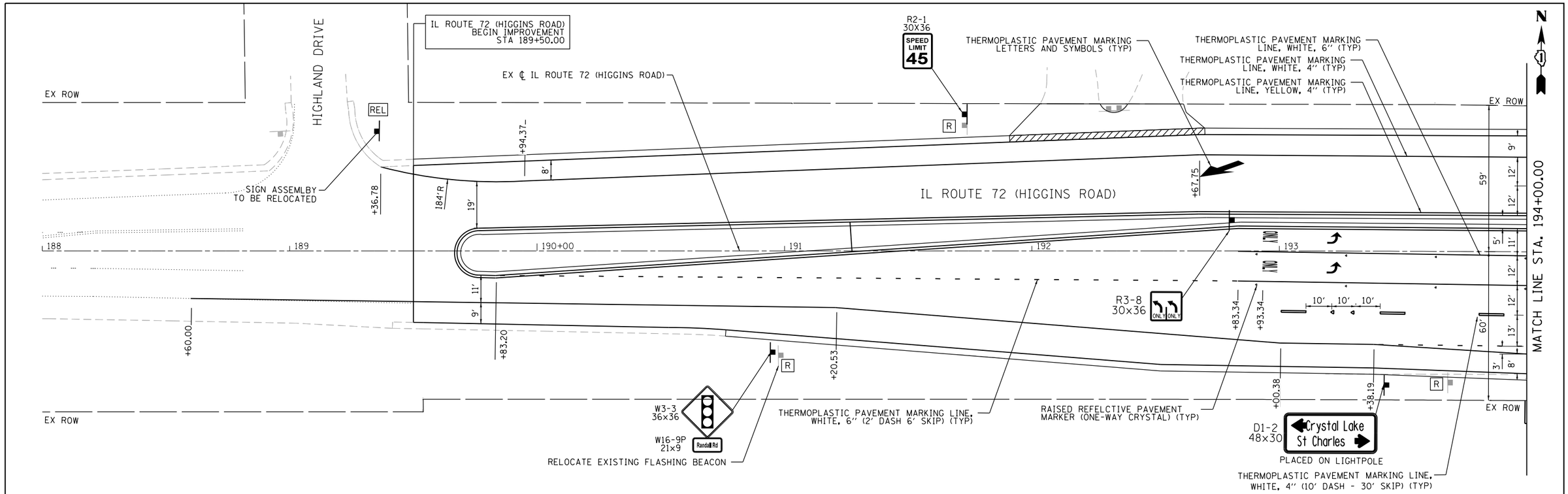
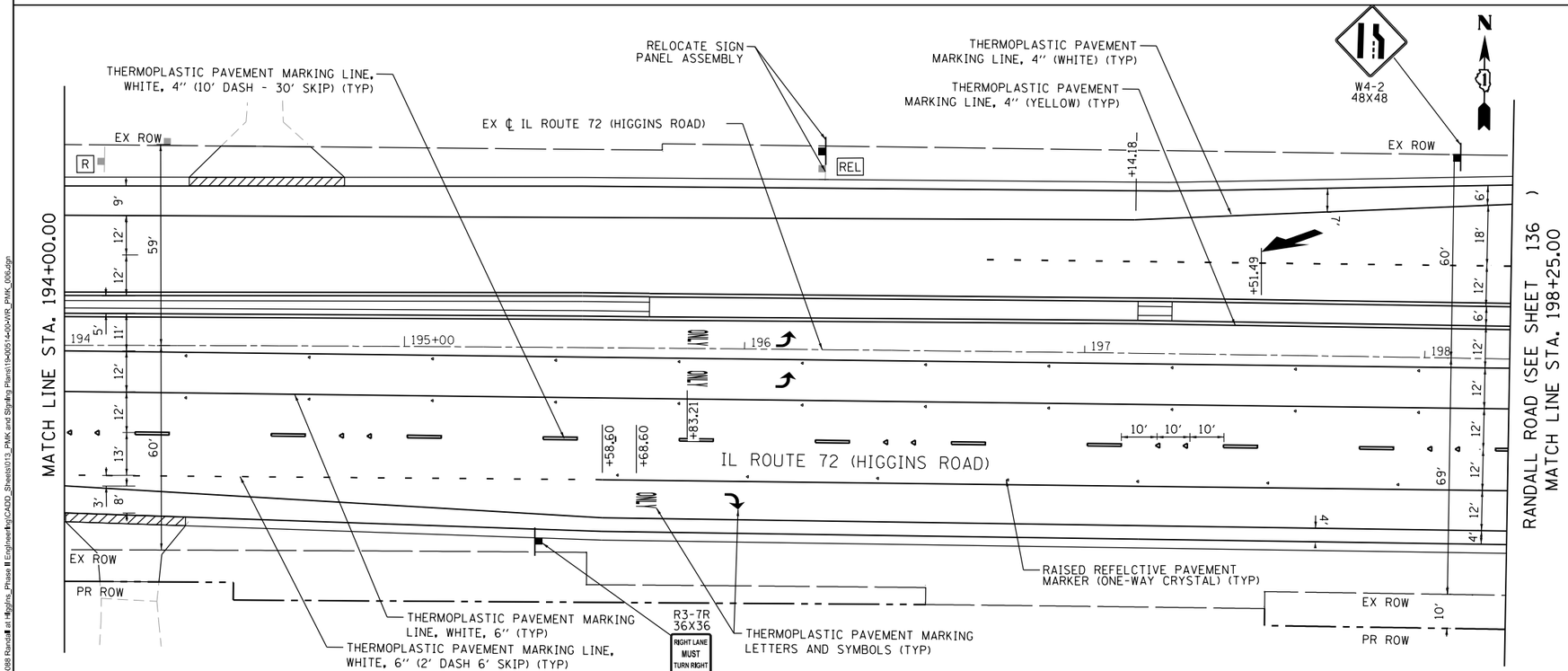
BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) PAVEMENT MARKING AND SIGNING PLAN
		DRAWN - TN	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -		
	PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=20' SHEET 5 OF 7 SHEETS STA. 109+00.00 TO STA. 115+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	138
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		





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SCALE IN FEET

MODEL: Default
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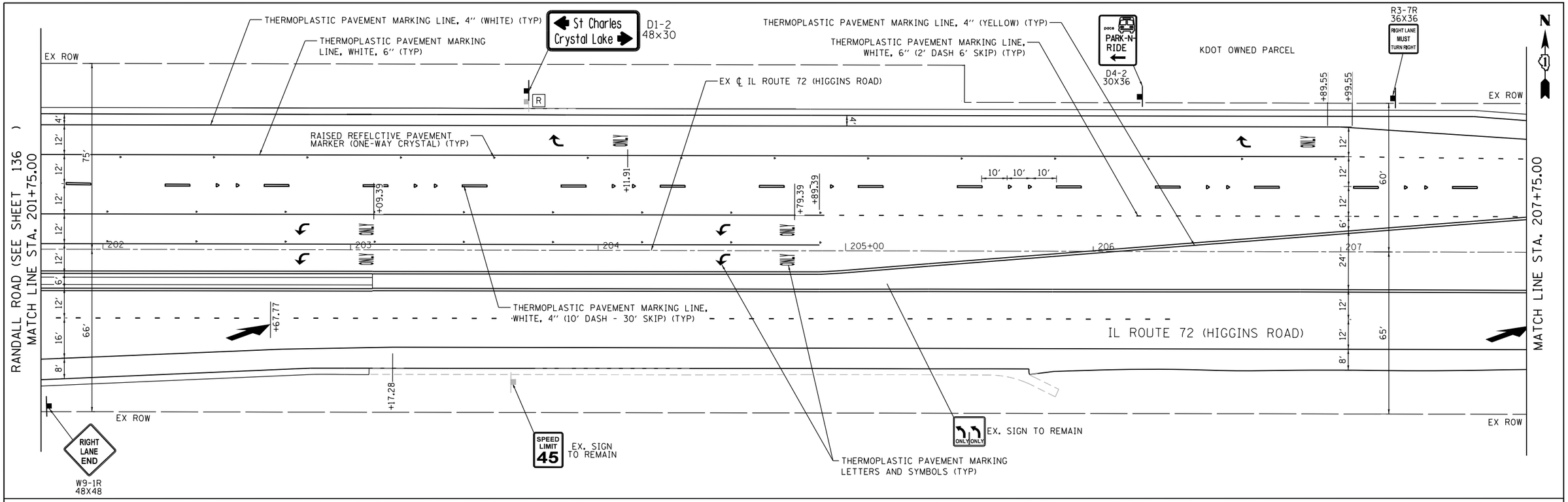
BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) PAVEMENT MARKING AND SIGNING PLAN
		DRAWN - TN	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -		
	PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=20' SHEET 6 OF 7 SHEETS STA. 188+00.00 TO STA. 198+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	139
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		



BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) PAVEMENT MARKING AND SIGNING PLAN
		DRAWN - TN	REVISED -		
	PLOT SCALE = 40.0087 ' / in.	CHECKED - GJE	REVISED -		
	PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=20' SHEET 7 OF 7 SHEETS STA. 201+75.00 TO STA. 213+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	140
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
FILE NAME: W:\984-088 Randall at Higgins Phase II Engineering\CADD_Sheets\013_PMK and Signing Plans\19-00514-00-WR_PMK_007.dgn

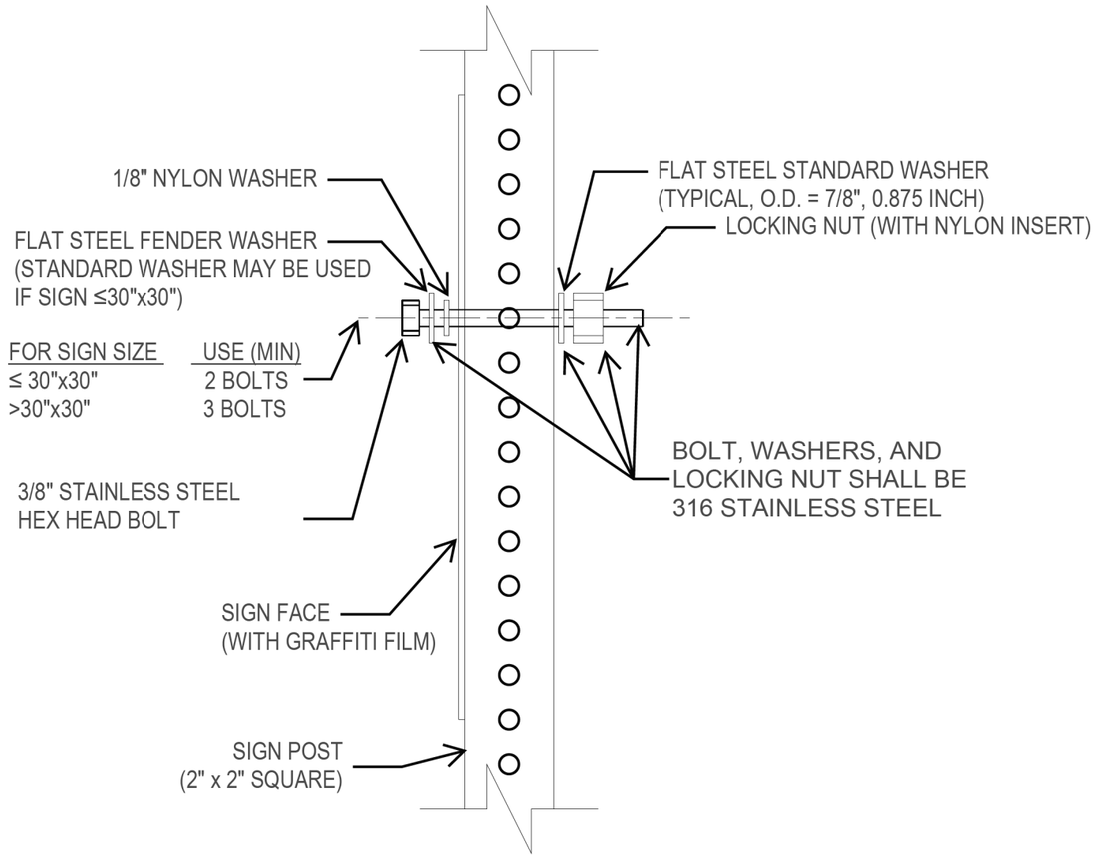
RANDALL ROAD							
STATION	OFFSET	SIGN DESIGNATION	SIZE (L x H) (INCH)		AREA (SF)	SIGN TYPE	TELESCOPING POST LENGTH (FT)
90+15.94	54.60 RT	D3-2 Modified (KDOT SPECIAL)	60	18	7.5	TYPE I	13
94+44.03	68.86 RT	R3-7R	36	36	9	TYPE 2	15
95+35.88	14.12 LT	R3-8	30	36	7.5	TYPE I	15
95+35.88	14.12 LT	R3-5bP	30	12	2.5	TYPE I	13
96+38.54	63.25 LT	R2-1	36	48	12	TYPE 2	LIGHT POLE
98+12.42	63.48 RT	R3-7R	36	36	9.0	TYPE 2	15
98+39.94	69.78 LT	W4-2	48	48	16.0	TYPE 2	16
98+67.56	63.48 RT	M1-1100.2	24	24	4.0	TYPE I	15
		M6-4	21	15	2.2	TYPE I	
98+69.73	16.11 LT	R3-8	30	36	7.5	TYPE I	19
		R4-7	30	24	5.0	TYPE I	
		OM3-L	36	12	3.0	TYPE I	
99+25.28	126.72 RT	M3-4	24	8	1.3	TYPE I	15
		M1-1100.2	24	24	4.0	TYPE I	
99+74.37	104.31 RT	OM3-L	36	12	3.0	TYPE I	19
		R3-8	30	36	7.5	TYPE I	
		R4-7	30	24	5.0	TYPE I	
100+03.96	114.87 LT	OM3-L	36	12	3.0	TYPE I	19
		R3-8	30	36	7.5	TYPE I	
		R4-7	30	24	5.0	TYPE I	
100+54.76	124.50 RT	R3-7R	36	36	9.0	TYPE 2	15
100+60.07	125.95 LT	M3-2	24	8	1.3	TYPE I	15
		M1-1100.2	24	24	4.0	TYPE I	
100+89.43	8.28 RT	OM3-L	36	12	3.0	TYPE I	19
		R3-8	30	24	5.0	TYPE I	
		R4-7	30	36	7.5	TYPE I	
100+97.30	71.97 LT	R3-7R	36	36	9.0	TYPE 2	LIGHT POLE
101+27.09	58.13 RT	W4-2	48	48	16.0	TYPE 2	16
101+65.97	72.06 LT	M1-1100.2	24	24	4.0	TYPE I	15
		M6-4	21	15	2.2	TYPE I	
103+23.63	71.98 LT	R3-7R	36	36	9.0	TYPE 2	15
104+19.37	8.15 RT	R3-8	30	36	7.5	TYPE I	15
104+19.37	8.15 RT	R3-5bP	30	12	2.5	TYPE I	13
104+83.33	52.56 RT	R2-1	36	48	12.0	TYPE 2	16
106+01.29	53.80 RT	D9-2	24	24	4.0	TYPE I	15
		M6-3	21	15	2.2	TYPE I	
108+83.70	53.61 RT	W2-2	36	36	9.0	TYPE 2	19
		W16-9P	9	36	2.3	TYPE I	
109+44.91	55.00 LT	D3-2 Modified (KDOT SPECIAL)	60	18	7.5	TYPE I	13
112+90.07	54.44 LT	R10-7	24	30	5	TYPE I	14
113+21.22	77.34 LT	R1-1	36	36	9	TYPE 2	15
113+32.88	50.81 RT	W1-7	48	24	8	TYPE I	14

REMOVE SIGN PANEL ASSEMBLY			
STATION	OFFSET (LT/RT)	TYPE	QUANTITY (EACH)
RANDALL ROAD			
90+08.09	51.55 RT	B	1
93+59.84	55.96 RT	B	1
96+35.67	58.65 RT	A	1
98+84.18	16.05 LT	B	1
99+74.46	104.19 RT	B	1
100+03.52	112.40 LT	B	1
100+89.83	7.83 RT	B	1
104+83.38	50.56 RT	A	1
106+36.72	57.55 LT	B	1
108+83.66	50.78 RT	B	1
109+43.59	49.14 LT	B	1
113+24.53	77.30 LT	A	1
113+46.09	47.07 RT	B	1
IL ROUTE 72 (HIGGINS ROAD)			
190+97.52	42.95 RT	B	1

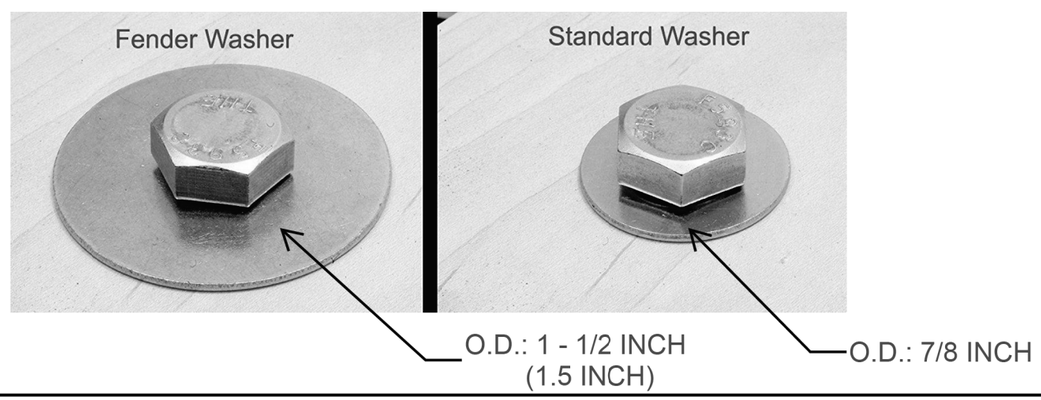
REMOVE SIGN PANEL			
STATION	OFFSET (LT/RT)	TYPE	QUANTITY (SQ FT)
RANDALL ROAD			
96+38.98	56.12 LT	2	12
98+82.48	57.17 RT	1	9
99+28.19	126.76 RT	1	5
100+51.93	126.77 LT	1	5
100+77.77	62.43 RT	1	4

RELOCATE SIGN PANEL ASSEMBLY- TYPE B		
STATION	OFFSET (LT/RT)	QUANTITY (EACH)
RANDALL ROAD		
97+89.97	68.05 LT	1
102+91.30	52.62 RT	1
112+89.95	54.53 LT	2
IL ROUTE 72 (HIGGINS ROAD)		

IL ROUTE 72 (HIGGINS ROAD)							
STATION	OFFSET	SIGN DESIGNATION	SIZE (L x H) (INCH)		AREA (SF)	SIGN TYPE	POST LENGTH (FT)
190+95.40	41.02 RT	W3-3	36	36	9.0	TYPE 2	17
		W16-9P	21	9	1.3	TYPE 1	
191+72.74	55.05 LT	R2-1	30	36	7.5	TYPE I	15
192+80.79	12.39 LT	R3-8	30	36	7.5	TYPE I	11
193+69.32	56.14 RT	D1-2	48	30	10.0	TYPE 2	LIGHT POLE
195+38.60	58.83	R3-7R	36	36	9.0	TYPE 2	LIGHT POLE
198+08.55	58.92 LT	W4-2	48	48	16.0	TYPE 2	14
201+78.42	63.26 RT	W9-1R	48	48	16.0	TYPE 2	14
203+70.83	64.31 LT	D1-2	48	30	10.0	TYPE 2	13
206+18.66	62.35 LT	D4-2	30	36	7.5	TYPE I	14



FOR SIGNS NOT USING SIGN STIFFENERS / SUPPORTING CHANNELS



GENERAL NOTE:
FOR SIGNS USING SIGN STIFFENERS / SUPPORTING CHANNELS (SIGN PAVELS OVER 36" WIDE), REFER TO ILLINOIS DEPARTMENT OF TRANSPORTATION HIGHWAY STANDARD 720001 FOR SIGN HARDWARE DETAILS, BUT USING THE BOLT SPECIFICATIONS LISTED ABOVE.

FOR SIGNS MOUNTED ON LIGHT POLES OR SIGNAL POLES AND POSTS, SIGN STIFFENERS SHALL BE REQUIRED REGARDLESS OF SIGN SIZE OR DIMENSIONS.

Date`	Revisions
9/8/22	Detail creation
9/13/23	Revised

Sign Hardware Details
Kane County Division of Transportation

MODEL: Default
FILE NAME: W:\8954-088 Randall at Higgins_Phase II Engineering\CADD_Sheets\013_PMK and Signing Plans\19-00514-00-WR_SHT_PMK_DETAILS.dgn

BLA, Inc.

USER NAME = cesario	DESIGNED - TN	REVISED -
	DRAWN - TN	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -
PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
PAVEMENT MARKING AND SIGNING PLAN

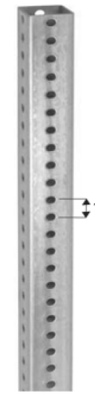
SCALE: N/A | SHEET 1 OF 3 SHEETS | STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	142
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		

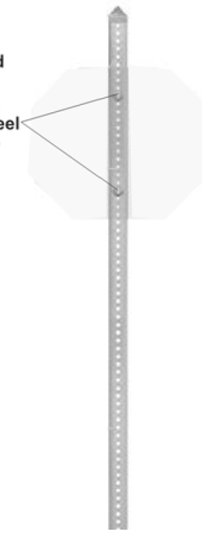
Telescoping Sign Post

The post shall be a square tube formed of 12 gauge steel according to the standard specification for cold rolled carbon steel sheets commercial quality ASTM A 1008 (A 1008M). The post shall be formed to size and, if necessary, shall be welded in such a manner that weld or flash shall not interfere with telescoping. Holes 7/16 ± 1/64 in. (11 ± 0.4 mm) will be spaced on 1 in. (25 mm) centers on at least two opposite sides. The holes shall align to accept a 3/8 in. (10 mm) bolt through the post at any location. The post shall have a smooth galvanized finish applied either before or after forming. For all other regulations refer to Section 1093 of the latest version of Illinois Standard Specifications for Bridge and Road Construction.

12 Gauge Telescoping Galvanized Square Post,
2"W x 2"D x min. 10'

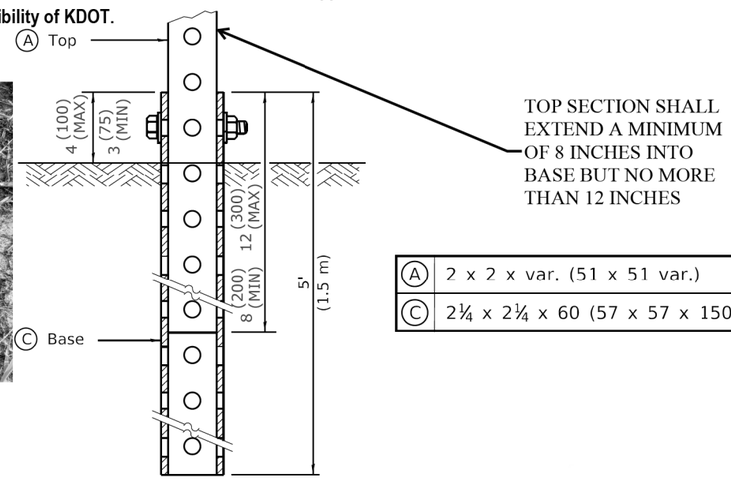


Stainless steel bolts and washers used for fastening extruded aluminum sign panels to supports, shall be according to ASTM A 276, Type 316. Stainless steel nuts shall be according to ASTM A 240 (A 240M), Type 316.



Sign Bases (Soil / Ground Mount)

Shall follow IDOT Standard specifications for 728.04(b) for ground mount bases for telescoping steel sign supports. Base shall be embedded 5 feet into ground with no more than 4 inches exposed above ground level. Telescoping Steel Sign support shall extend a minimum of 8 inches into the base but no further than 12 inches into the base. Dimensions of Sign base shall be as detailed below and shall use 3/8 inch stainless steel hex head bolts and lock nut with flat standard washers on either end. Details provided on page for reference only, detail may follow updates to IDOT Highway standard 728001, Contractor to verify with Engineer if differences are identified. Contractor shall seek approval from KDOT before signs become responsibility of KDOT.



Ⓐ	2 x 2 x var. (51 x 51 var.)
Ⓒ	2¼ x 2¼ x 60 (57 x 57 x 1500)

Kane County Division of Transportation

Specifications
Telescoping Sign Post
&
Soil Bases

GROUND MOUNT DETAIL

Date	Revisions
07/17	Sign Post Base Hardware

Specifications
Telescoping Sign Post
&
Soil Bases

MODEL: Default
FILE NAME: W:\6894-088 Randall at I-Higgins Phase II Engineering\CADD_Sheets\013_PMK and Signing Plans\19-00514-00-WR_SHT_PMK_DETAILS.dgn

BLA, Inc.

USER NAME = cesario	DESIGNED - TN	REVISED -	
	DRAWN - TN	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -	
PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

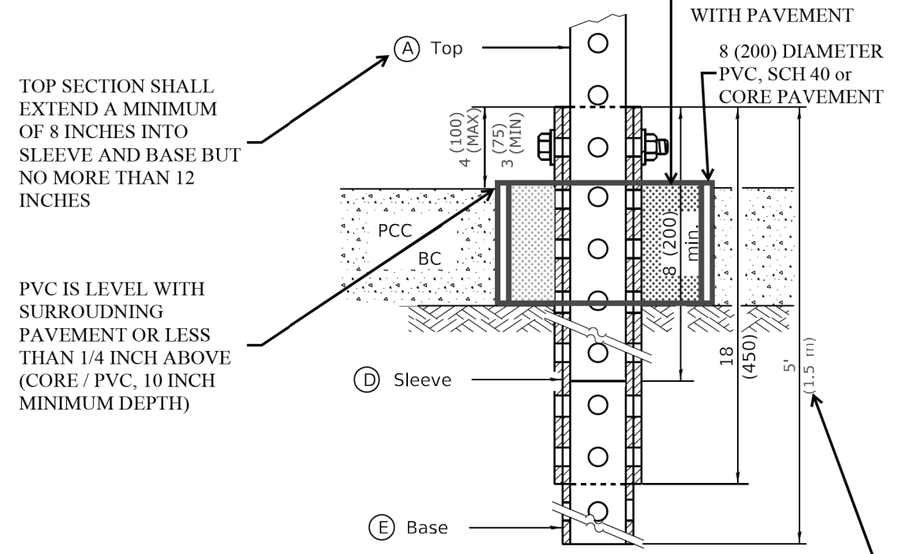
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
PAVEMENT MARKING AND SIGNING PLAN

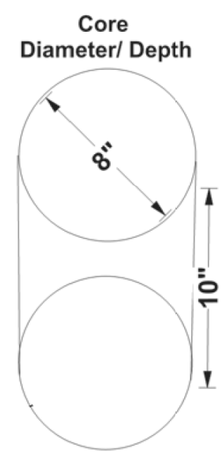
SCALE: N/A | SHEET 2 OF 3 SHEETS | STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	143

CONTRACT NO. 61L28

ILLINOIS FED. AID PROJECT





PAVEMENT MOUNT DETAIL

Ⓐ	2 x 2 x var. (51 x 51 var.)
Ⓓ	2½ x 2½ x 18 (64 x 64 x 450)
Ⓔ	2¼ x 2¼ x 60 (57 x 57 x 1500)

NOTE LONGER BASE

MINIMAL DEPTH OF CORE OR PVC INSERT. CORE / PVC DEPTH MUST BE AS DEEP PAVEMENT SECTION

Date	Revisions
07/17	Sign Bases Concrete & Asphalt

Kane County Division of Transportation

Specifications Concrete & Asphalt Bases

Specifications Concrete & Asphalt Bases

MODEL: Default
FILE NAME: W:\894-098 Randall at Higgins_Phase II Engineering\CADD_Sheets\013_PMK and Signing Plans\19-00514-00-WR_SHT_PMK_DETAIL-S.dgn

BLA, Inc.

USER NAME = cesario	DESIGNED - TN	REVISED -
	DRAWN - TN	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -
PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

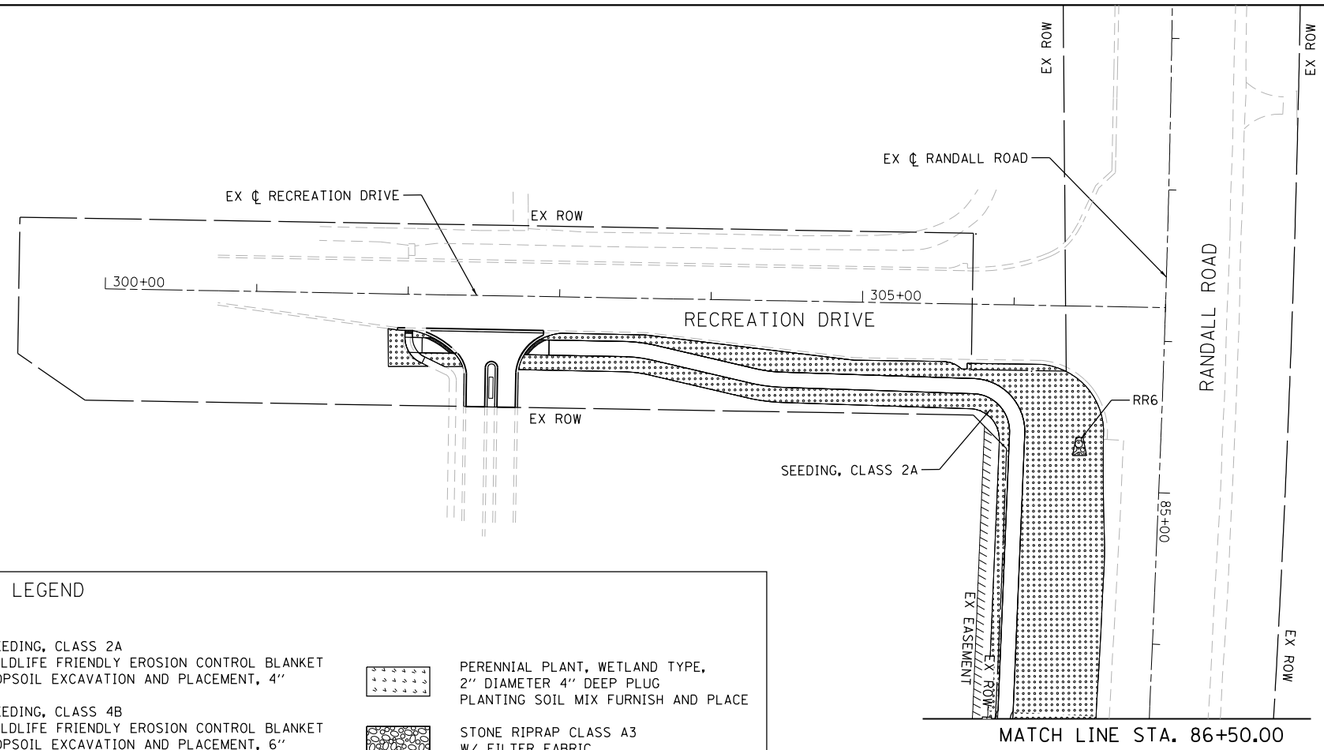
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
PAVEMENT MARKING AND SIGNING PLAN

SCALE: N/A | SHEET 3 OF 3 SHEETS | STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	144

CONTRACT NO. 61L28

ILLINOIS FED. AID PROJECT



NOTE: EXISTING TOPSOIL TO BE STRIPPED, STOCKPILED AND USED AS TOPSOIL RESPREAD. PER THE DIRECTION OF THE ENGINEER IF ANY TOPSOIL IS DEEMED UNSUITABLE FOR RESPREAD, FURNISHED TOPSOIL SHALL BE FURNISHED AND PLACED ACCORDINGLY.

LEGEND

- SEEDING, CLASS 2A
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
  TOPSOIL EXCAVATION AND PLACEMENT, 4"
- SEEDING, CLASS 4B
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
  TOPSOIL EXCAVATION AND PLACEMENT, 6"
- SEEDING, CLASS 5B (MODIFIED)
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
  TOPSOIL EXCAVATION AND PLACEMENT, 6"
- PERENNIAL PLANT, WETLAND TYPE,
  2" DIAMETER 4" DEEP PLUG
  PLANTING SOIL MIX FURNISH AND PLACE
- STONE RIPRAP CLASS A3
  W/ FILTER FABRIC
- ARTICULATED BLOCK REVETMENT MAT
  W/ FILTER FABRIC

0 50 100 150
SCALE IN FEET

MODEL: Default
FILE NAME: W:\894-088 Randall at Higgins Phase II Engineering\CADD_Sheets\014_Landscaping Plan\19-00514-00-WR_Landscaping_001.dgn

BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -
		DRAWN - TN	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - GJE	REVISED -
	PLOT DATE = 8/5/2025	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

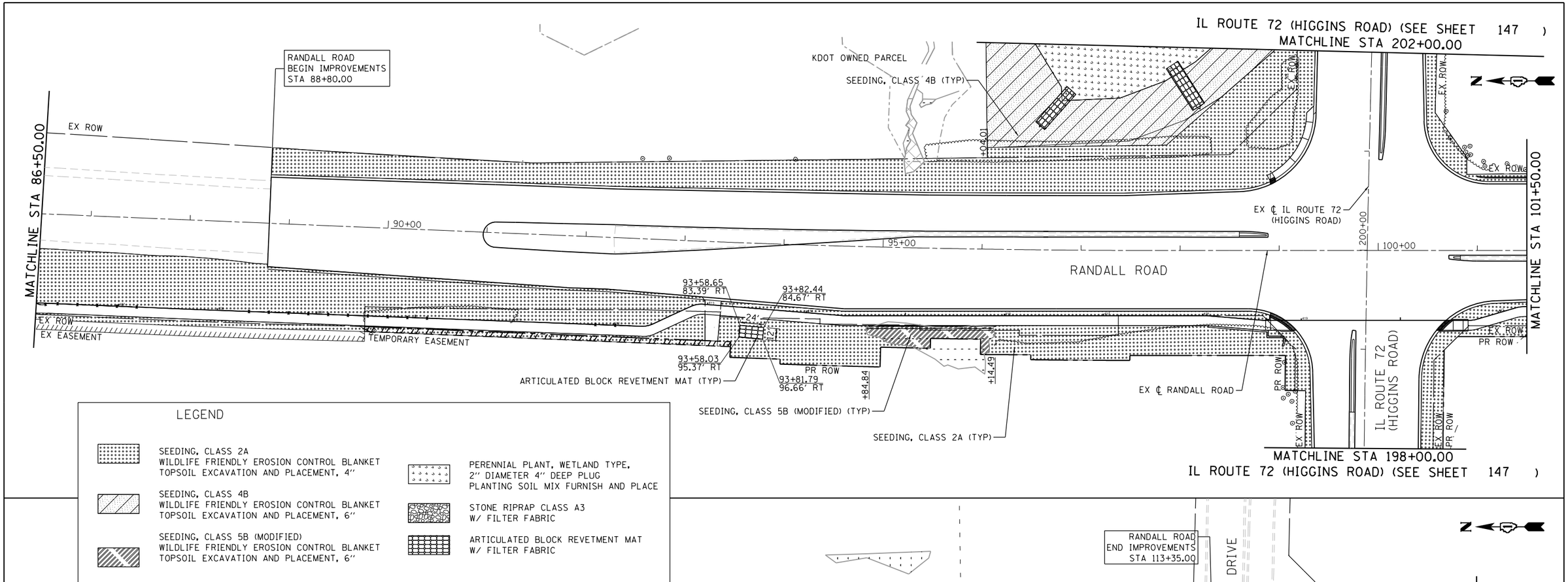
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
LANDSCAPE AND RESTORATION PLAN

SCALE: 1"=50' | SHEET 1 OF 9 SHEETS | STA. 86+50.00 TO STA. 116+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	145

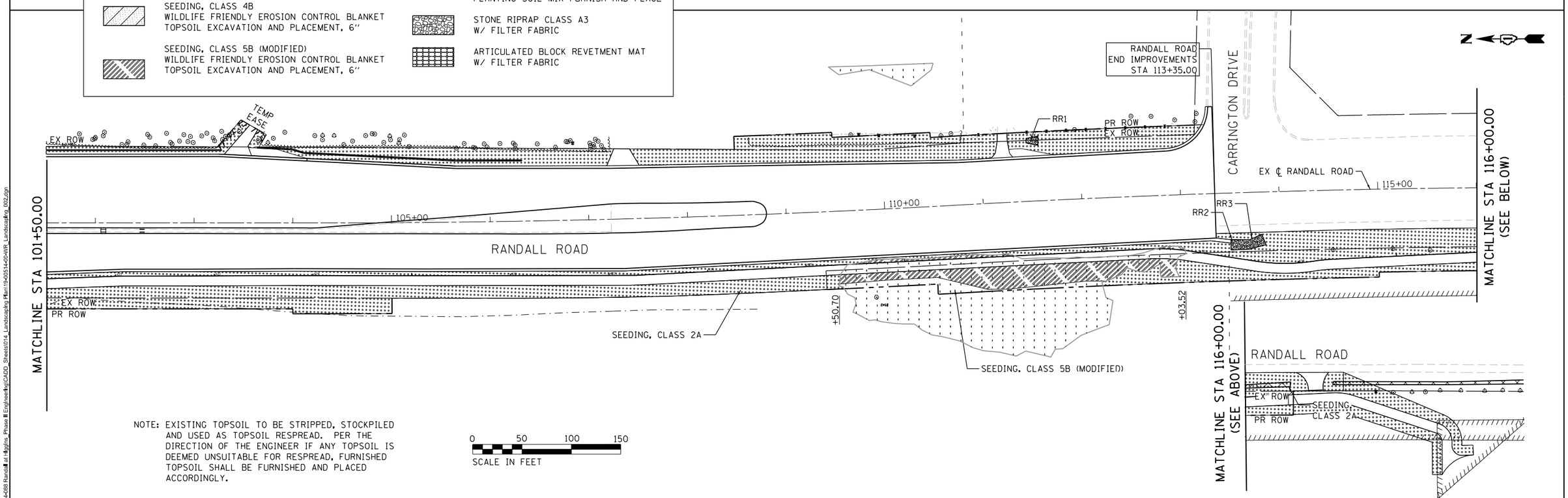
CONTRACT NO. 61L28

ILLINOIS FED. AID PROJECT



LEGEND

- SEEDING, CLASS 2A
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
  TOPSOIL EXCAVATION AND PLACEMENT, 4''
- SEEDING, CLASS 4B
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
  TOPSOIL EXCAVATION AND PLACEMENT, 6''
- SEEDING, CLASS 5B (MODIFIED)
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
  TOPSOIL EXCAVATION AND PLACEMENT, 6''
- PERENNIAL PLANT, WETLAND TYPE,
  2'' DIAMETER 4'' DEEP PLUG
  PLANTING SOIL MIX FURNISH AND PLACE
- STONE RIPRAP CLASS A3
  W/ FILTER FABRIC
- ARTICULATED BLOCK REVETMENT MAT
  W/ FILTER FABRIC



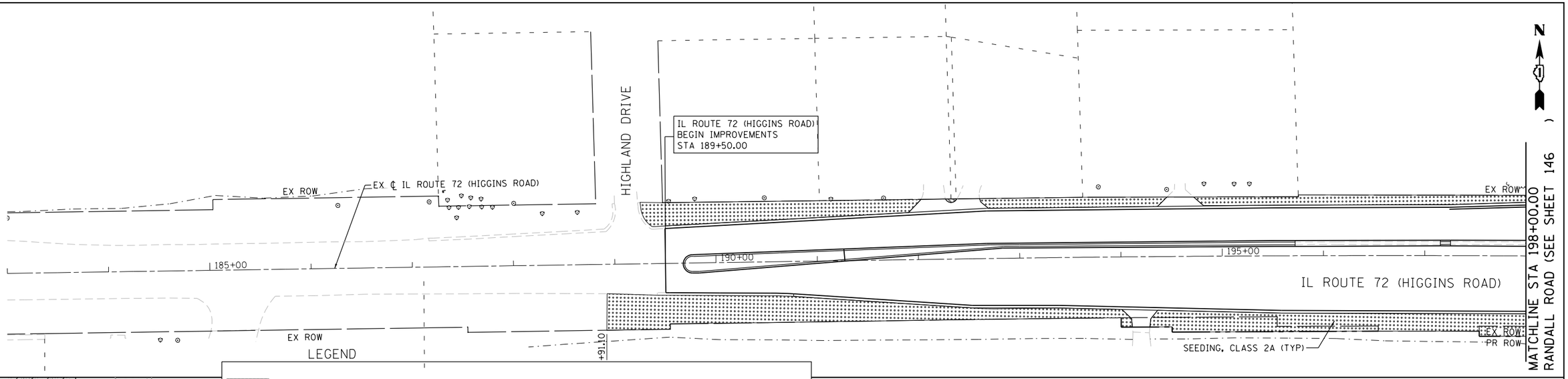
NOTE: EXISTING TOPSOIL TO BE STRIPPED, STOCKPILED AND USED AS TOPSOIL RESPREAD. PER THE DIRECTION OF THE ENGINEER IF ANY TOPSOIL IS DEEMED UNSUITABLE FOR RESPREAD, FURNISHED TOPSOIL SHALL BE FURNISHED AND PLACED ACCORDINGLY.

0 50 100 150
SCALE IN FEET

MODEL: Default
FILE NAME: W:\894-088 Randall at Higgins Phase II Engineering\CADD Sheets\014_Landscaping Plan\19-00514-00-WR_Landscaping_002.dgn

BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) LANDSCAPE AND RESTORATION PLAN
		DRAWN - TN	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - GJE	REVISED -		
	PLOT DATE = 8/5/2025	DATE - 02/15/2025	REVISED -		SCALE: 1''=50' SHEET 2 OF 9 SHEETS STA. 86+50.00 TO STA. 116+50.00

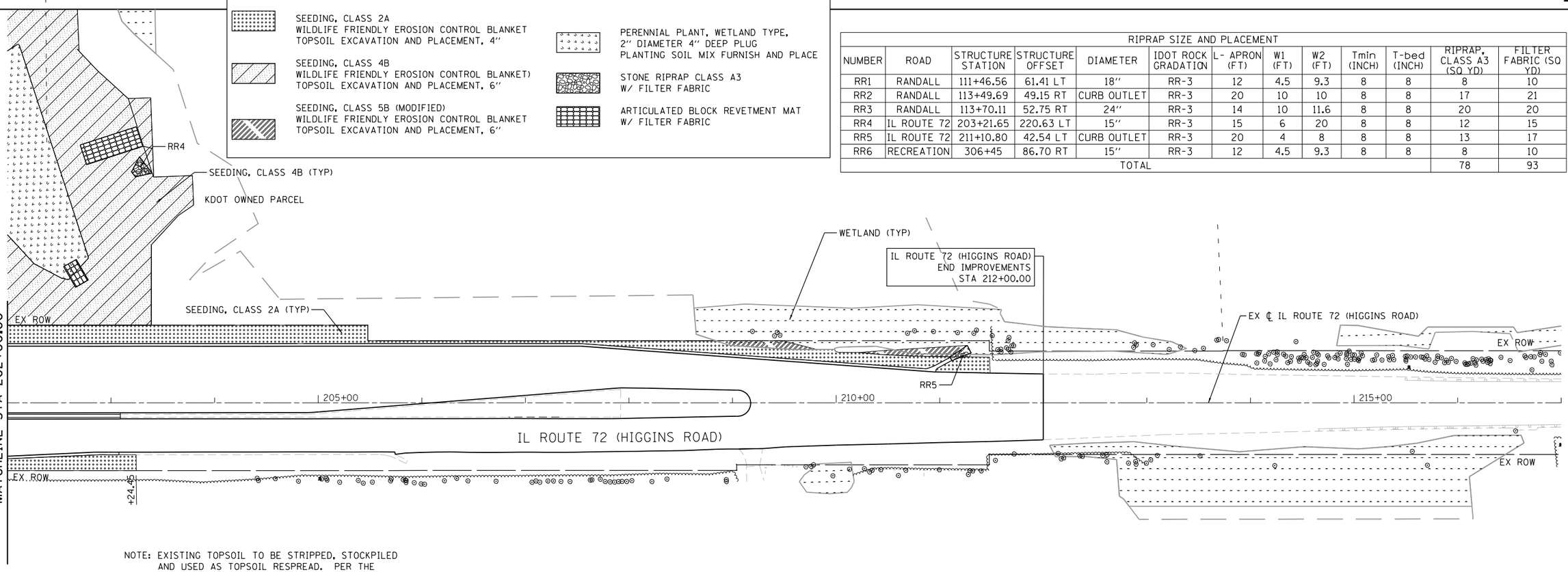
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	146
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		



LEGEND

- SEEDING, CLASS 2A
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
  TOPSOIL EXCAVATION AND PLACEMENT, 4"
- SEEDING, CLASS 4B
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET)
  TOPSOIL EXCAVATION AND PLACEMENT, 6"
- SEEDING, CLASS 5B (MODIFIED)
  WILDLIFE FRIENDLY EROSION CONTROL BLANKET
  TOPSOIL EXCAVATION AND PLACEMENT, 6"
- PERENNIAL PLANT, WETLAND TYPE,
  2" DIAMETER 4" DEEP PLUG
  PLANTING SOIL MIX FURNISH AND PLACE
- STONE RIPRAP CLASS A3
  W/ FILTER FABRIC
- ARTICULATED BLOCK REVETMENT MAT
  W/ FILTER FABRIC

RIPRAP SIZE AND PLACEMENT												
NUMBER	ROAD	STRUCTURE STATION	STRUCTURE OFFSET	DIAMETER	IDOT ROCK GRADATION	L- APRON (FT)	W1 (FT)	W2 (FT)	Tmin (INCH)	T-bed (INCH)	RIPRAP, CLASS A3 (SQ YD)	FILTER FABRIC (SQ YD)
RR1	RANDALL	111+46.56	61.41 LT	18"	RR-3	12	4.5	9.3	8	8	8	10
RR2	RANDALL	113+49.69	49.15 RT	CURB OUTLET	RR-3	20	10	10	8	8	17	21
RR3	RANDALL	113+70.11	52.75 RT	24"	RR-3	14	10	11.6	8	8	20	20
RR4	IL ROUTE 72	203+21.65	220.63 LT	15"	RR-3	15	6	20	8	8	12	15
RR5	IL ROUTE 72	211+10.80	42.54 LT	CURB OUTLET	RR-3	20	4	8	8	8	13	17
RR6	RECREATION	306+45	86.70 RT	15"	RR-3	12	4.5	9.3	8	8	8	10
TOTAL											78	93



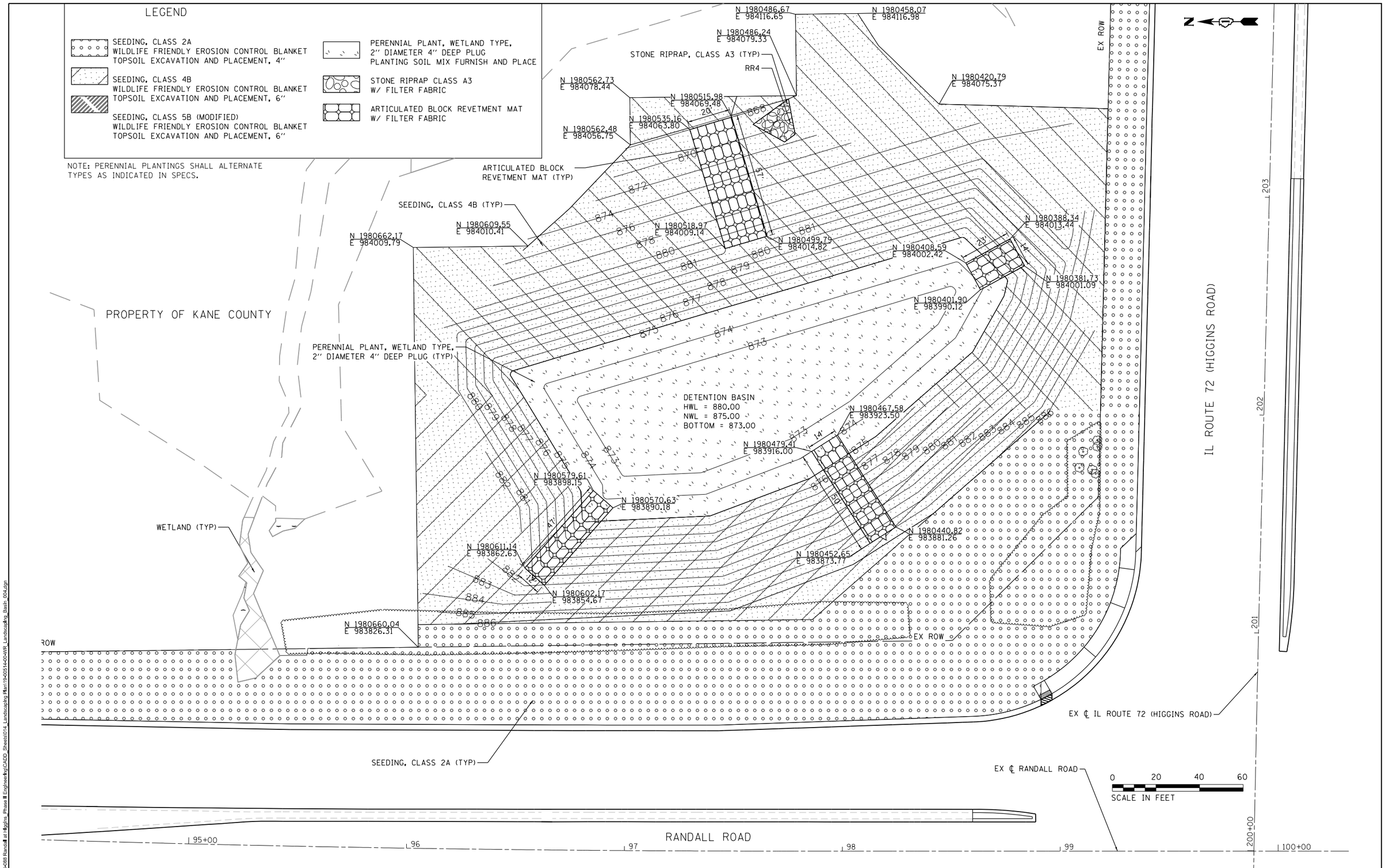
NOTE: EXISTING TOPSOIL TO BE STRIPPED, STOCKPILED AND USED AS TOPSOIL RESPREAD. PER THE DIRECTION OF THE ENGINEER IF ANY TOPSOIL IS DEEMED UNSUITABLE FOR RESPREAD, FURNISHED TOPSOIL SHALL BE FURNISHED AND PLACED ACCORDINGLY.

0 50 100 150
SCALE IN FEET

MODEL: Default
FILE NAME: W:\0914-088 Randall at Higgins Phase II Engineering\CADD_Sheets\014_Landscaping Plan\19-00514-00-WR_Landscaping_003.dgn

BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) LANDSCAPING PLAN
		DRAWN - TN	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - GJE	REVISED -		
	PLOT DATE = 8/5/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=50' SHEET 3 OF 9 SHEETS STA. 86+50.00 TO STA. 116+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	147
		CONTRACT NO. 61L28		
	ILLINOIS	FED. AID PROJECT		



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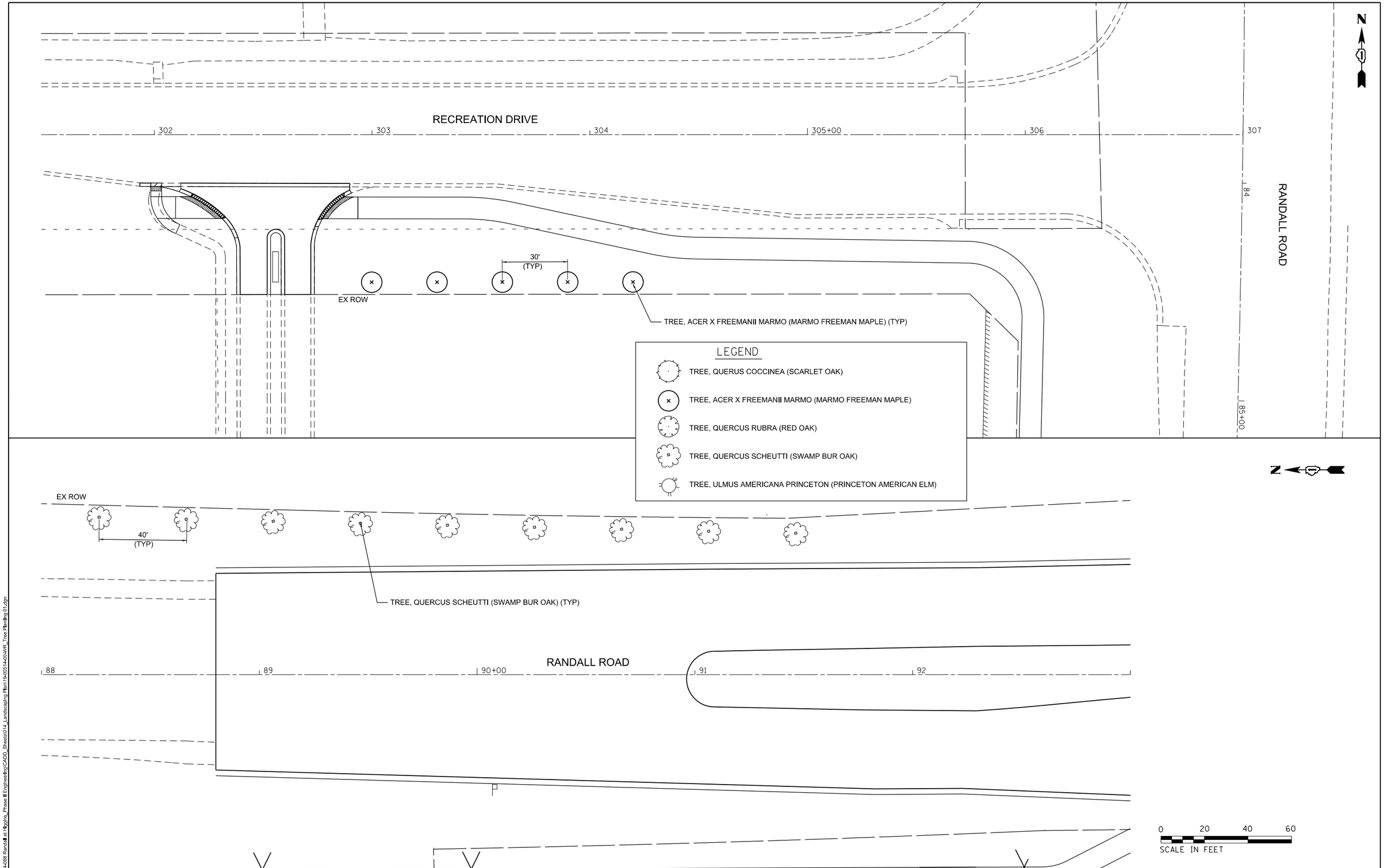
BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) DETENTION BASIN LANDSCAPING PLAN
		DRAWN - TN	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -		
	PLOT DATE = 8/5/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=20' SHEET 4 OF 9 SHEETS STA. NA TO STA. NA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	148
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		



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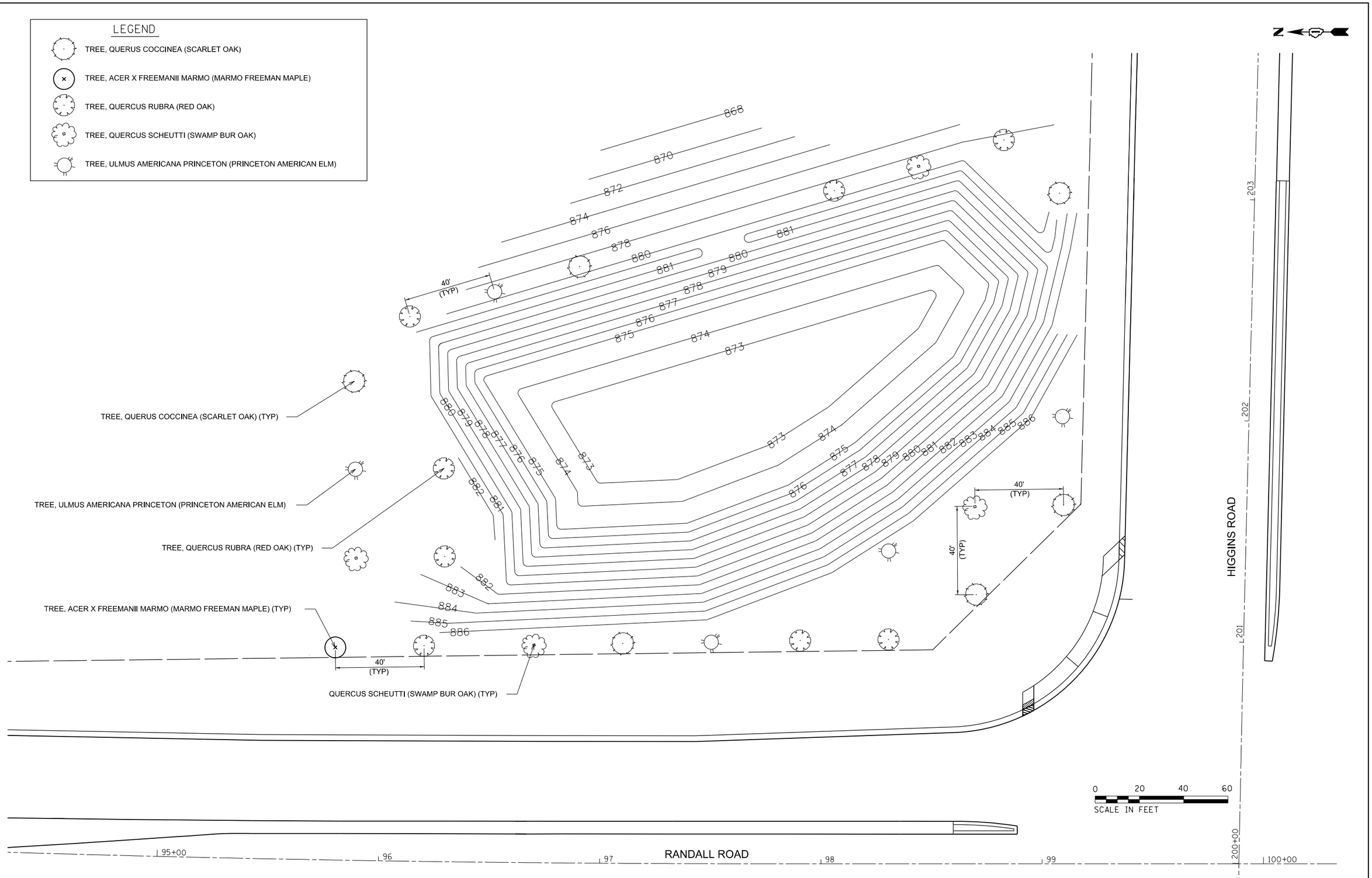
BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TN	REVISED -		TREE PLANTING PLAN	0336	19-00514-00-WR	KANE	304	149
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -					CONTRACT NO. 61L28		
	PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -		SCALE: 1" = 20' SHEET 5 OF 9 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		



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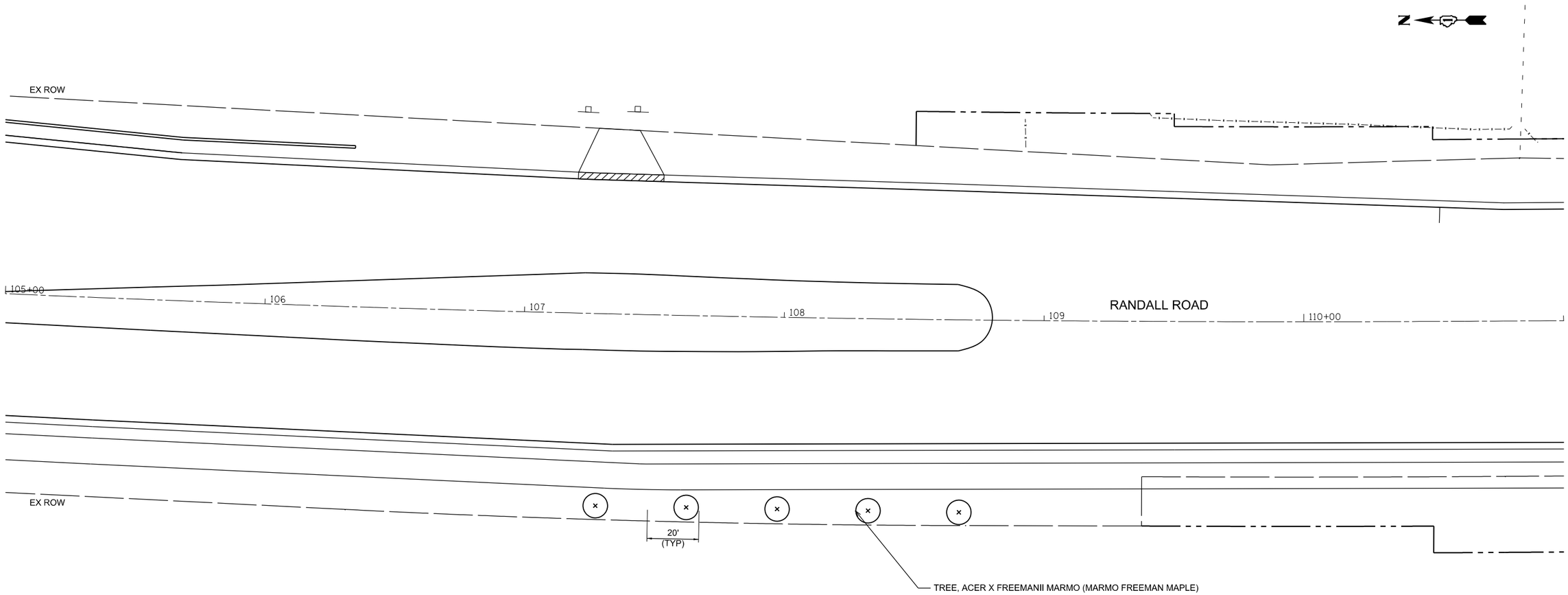
BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) TREE PLANTING PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TN	REVISED -			0336	19-00514-00-WR	KANE	304	150
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -			CONTRACT NO. 61L28				
	PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=20' SHEET 6 OF 9 SHEETS STA. NA TO STA. NA	ILLINOIS FED. AID PROJECT				



LEGEND

- TREE, QUERUS COCCINEA (SCARLET OAK)
- TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE)
- TREE, QUERCUS RUBRA (RED OAK)
- TREE, QUERCUS SCHEUTTI (SWAMP BUR OAK)
- TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM)

0 20 40 60
SCALE IN FEET

MODEL: Default
FILE NAME: W:\094-088 Randall at Higgins_Phase II Engineering\CADD_Sheets\014_Landscaping Plan\19-00514-00-WR_Tree Planting 03.dgn

BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) TREE PLANTING PLAN
		DRAWN - TN	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -		
	PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=20' SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	151
		CONTRACT NO. 61L28		
	ILLINOIS	FED. AID PROJECT		

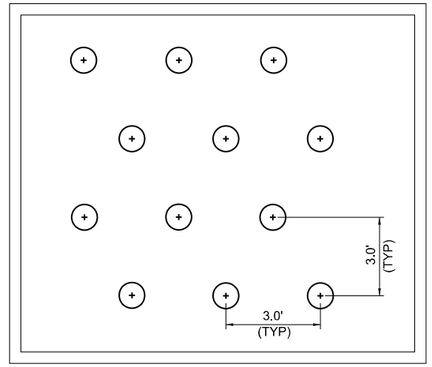
TREE PLANTING GENERAL NOTES

1. THE CONTRACTOR SHALL COORDINATE THE PLANTING, LANDSCAPING, AND RESTORATION WORK WITH WORK BY THE GRADING CONTRACTOR AND OTHER UTILITY CONTRACTORS. THE RESTORATION AND PLANTING WORK SHALL BE COMPLETED AS DIRECTED BY THE ENGINEER, NOTWITHSTANDING THE PLANTING RESTRICTIONS AS DESCRIBED IN THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.
2. ALL PLANT MATERIAL NOT PLANTED ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL WILL RESULT IN THE REJECTION OF THE PLANT MATERIAL AND THE REPLACEMENT SHALL BE AT NO ADDITIONAL COST TO THE CONTRACT.
3. ALL WORK SHALL BE IN ACCORDANCE WITH SECTIONS 253 AND 254 OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE DETAILS SHOWN ON THE PLANS.
4. THE INTENT OF THE LANDSCAPING PLAN IS TO LOOK NATURAL AND PLEASANT. THE CONTACTOR SHALL GROUP THE TREES AND SHRUBS TO LOOK NATURAL IN A SOMEWHAT RANDOM ORDER.
5. THE CONTRACTOR SHALL BE CAREFUL WHEN PLANTING TREES AND SHRUBS NEAR AN INTERSECTION TO AVOID THE NECESSARY SIGHT TRIANGLE OF APPROACHING TRAFFIC. IF IN DOUBT, THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER REGARDING CLEAR DISTANCE OF THE SIGHT TRIANGLE.
6. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND DEPTH OF ANY UNDERGROUND UTILITIES PRIOR TO EXCAVATION OR CONSTRUCTION.
7. THE CONTRACTOR SHALL FOLLOW THE PLANTING PLANS AND MAY ADJUST LOCATIONS TO FIT FIELD CONDITIONS BUT SHALL NOT INSTALL TREES DIRECTLY ABOVE ANY MAJOR DRAINAGE CULVERTS.
8. ADDITIONAL TREES NOT IN SCHEDULES, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER ABOUT FINAL LOCATIONS OF ALL TREES.
9. THE CONTRACTOR SHALL SCHEDULE PLANT MATERIAL TO KEEP UP WITH THE PLANTING OPERATION. IF PLANTINGS ARE NOT PLANTED IMMEDIATELY AFTER DELIVEY TO THE JOB SITE, THE CONTRACTOR SHALL HARBOR THE PLANTINGS AS DESCRIBED IN ARTICLE 253.06 OF THE STANDARD SPECIFICATIONS FOR TEMPORARY STORAGE.

TREE BILL OF MATERIALS

ITEM NUMBER	ITEM NAME	SIZE	UNIT	QUANTITY
SHADE TREES				
A2000216	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE)	2" C	EACH	28
A2006600	TREE, QUERUS COCCINEA (SCARLET OAK)	1 3/4" C	EACH	27
A2007116	TREE, QUERCUS RUBRA (RED OAK)	2" C	EACH	27
A2007132	TREE, QUERCUS SCHEUTTI (SWAMP BUR OAK)	2" C	EACH	27
A2008468	TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM)	2" C	EACH	27

PLUG PLANTING DETAIL

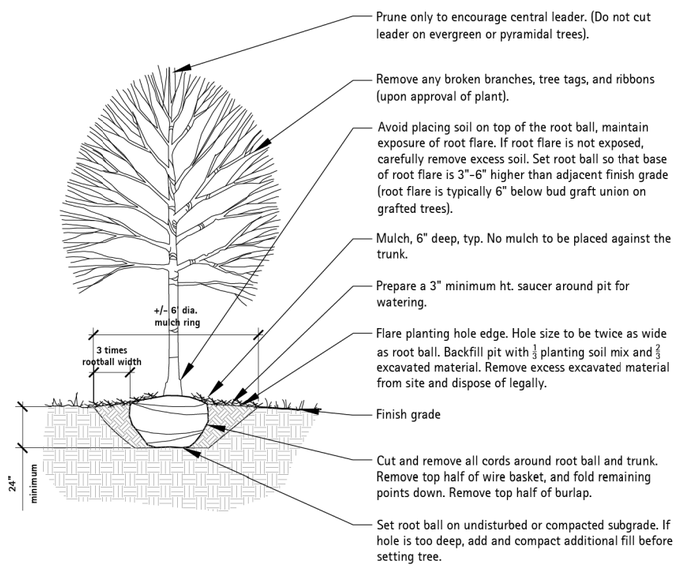


PLUG PLANTING NOTES

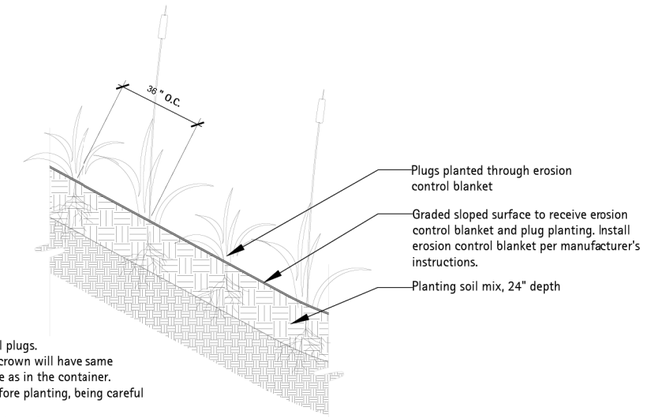
1. PLACEMENT OF PLUGS SHALL BE IN A RANDOM PATTERN AND SHALL BE 36" APART CENTER TO CENTER.
2. ALL PLUGS SHALL BE PLANTED WITHIN THE BOTTOM OF PROPOSED DETENTION BASINS.

TREE PLANTING SCHEDULE CONT.

ALIGNMENT	STATION	OFFSET	TREE TYPE	QUANTITY
RECREATION	302+99.87	67.80 RT	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE)	1
RECREATION	303+29.86	67.75 RT	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE)	1
RECREATION	303+59.86	67.72 RT	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE)	1
RECREATION	303+89.86	67.69 RT	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE)	1
RECREATION	304+19.86	67.67 RT	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE)	1
RANDALL	88+26.45	72.60 LT	QUERCUS SCHEUTTI (SWAMP BUR OAK)	1
RANDALL	88+66.45	71.82 LT	QUERCUS SCHEUTTI (SWAMP BUR OAK)	1
RANDALL	89+06.43	70.82 LT	QUERCUS SCHEUTTI (SWAMP BUR OAK)	1
RANDALL	89+46.42	69.82 LT	QUERCUS SCHEUTTI (SWAMP BUR OAK)	1
RANDALL	89+86.40	69.08 LT	QUERCUS SCHEUTTI (SWAMP BUR OAK)	1
RANDALL	90+26.39	68.31 LT	QUERCUS SCHEUTTI (SWAMP BUR OAK)	1
RANDALL	90+66.38	67.31 LT	QUERCUS SCHEUTTI (SWAMP BUR OAK)	1
RANDALL	91+06.37	66.30 LT	QUERCUS SCHEUTTI (SWAMP BUR OAK)	1
RANDALL	91+46.37	65.26 LT	QUERCUS SCHEUTTI (SWAMP BUR OAK)	1
RANDALL	95+78.89	96.11 LT	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE)	1
RANDALL	95+85.41	216.48 LT	TREE, QUERUS COCCINEA (SCARLET OAK)	1
RANDALL	95+86.69	176.79 LT	TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM	1
RANDALL	95+87.76	136.85 LT	QUERCUS SCHEUTTI (SWAMP BUR OAK)	1
RANDALL	96+10.63	245.95 LT	QUERCUS RUBRA (RED OAK)	1
RANDALL	96+19.22	97.24 LT	QUERCUS RUBRA (RED OAK)	1
RANDALL	96+27.22	177.65 LT	QUERCUS RUBRA (RED OAK)	1
RANDALL	96+28.15	137.70 LT	QUERCUS RUBRA (RED OAK)	1
RANDALL	96+49.70	257.84 LT	TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM	1
RANDALL	96+69.53	98.67 LT	QUERCUS SCHEUTTI (SWAMP BUR OAK)	1
RANDALL	96+88.85	269.59 LT	TREE, QUERUS COCCINEA (SCARLET OAK)	1
RANDALL	97+09.89	99.43 LT	TREE, QUERUS COCCINEA (SCARLET OAK)	1
RANDALL	97+50.24	100.09 LT	TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM	1
RANDALL	97+90.55	100.63 LT	QUERCUS RUBRA (RED OAK)	1
RANDALL	98+05.93	304.10 LT	QUERCUS RUBRA (RED OAK)	1
RANDALL	98+30.48	101.14 LT	QUERCUS RUBRA (RED OAK)	1
RANDALL	98+30.57	141.38 LT	TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM	1
RANDALL	98+44.26	315.54 LT	QUERCUS SCHEUTTI (SWAMP BUR OAK)	1
RANDALL	98+69.68	161.68 LT	QUERCUS SCHEUTTI (SWAMP BUR OAK)	1
RANDALL	98+70.18	121.68 LT	TREE, QUERUS COCCINEA (SCARLET OAK)	1
RANDALL	98+82.62	326.90 LT	QUERCUS RUBRA (RED OAK)	1
RANDALL	99+07.77	303.07 LT	TREE, QUERUS COCCINEA (SCARLET OAK)	1
RANDALL	99+09.18	202.13 LT	TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM	1
RANDALL	99+09.67	162.18 LT	TREE, QUERUS COCCINEA (SCARLET OAK)	1
RANDALL	107+28.98	73.94 RT	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE)	1
RANDALL	107+63.73	73.81 RT	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE)	1
RANDALL	107+98.51	73.79 RT	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE)	1
RANDALL	108+33.28	73.87 RT	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE)	1
RANDALL	108+68.06	74.06 RT	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE)	1
			TOTAL	43



Section - Shade Tree Planting



Notes:
1. Use triangular spacing for all plugs.
2. Set individual plugs so that crown will have same relationship to finished grade as in the container.
3. Remove plastic container before planting, being careful to keep root system intact.
4. Take precautions to protect slopes from erosion during construction activities.

Section - Plug Planting Detail

MODEL: Default
FILE NAME: W:\894-088 Randall at Higgins Phase II Engineering\CADD_Sheets\014_Landscaping Plan\19-00514-00-WR_Landscaping Notes.dgn

BLA, Inc.	USER NAME = cesario	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) LANDSCAPING DETAILS
		DRAWN - TN	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -		
	PLOT DATE = 6/19/2025	DATE - 02/15/2025	REVISED -		SCALE: SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	153
		CONTRACT NO. 61L28		
	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	CC	CC
MASTER CONTROLLER	MC	MC
MASTER MASTER CONTROLLER	MMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	T	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	RR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H H	H H
DOUBLE HANDHOLE		
JUNCTION BOX		
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET		
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P P	P P
SAMPLING (SYSTEM) DETECTOR	S S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS QS	QS QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	R Y G Y G P R Y G Y G P	R Y G Y G P R Y G Y G P
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	R Y G Y G P R Y G Y G P R Y G Y G RB	R Y G Y G P R Y G Y G P R Y G Y G RB
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

MODEL: Default
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	DRAWN - IP	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED - LP	REVISED -	
PLOT DATE = 3/4/2019	DATE - 9/29/2016	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00514-00-WR	KANE	304	154
	TS-05	CONTRACT NO. 61L28		
	ILLINOIS	FED. AID PROJECT		

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

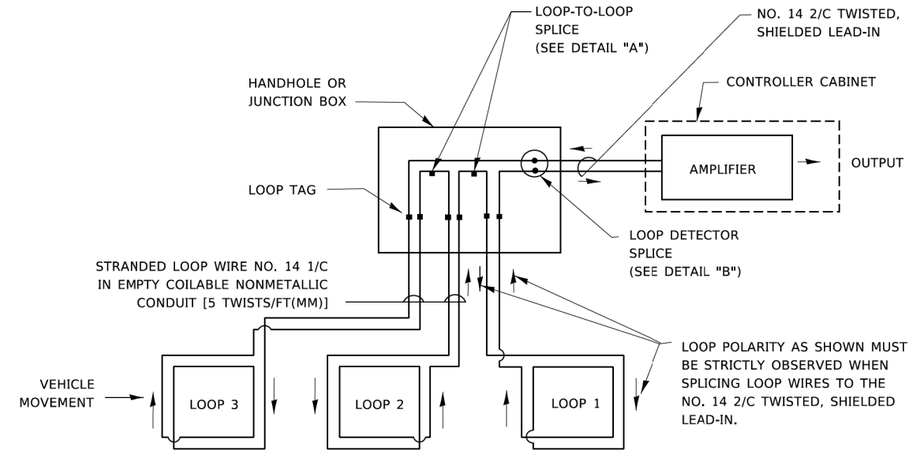
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

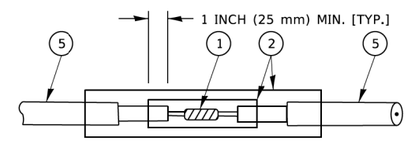
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

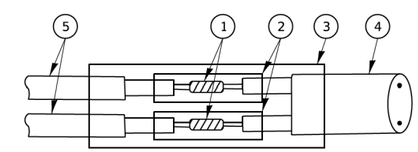


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



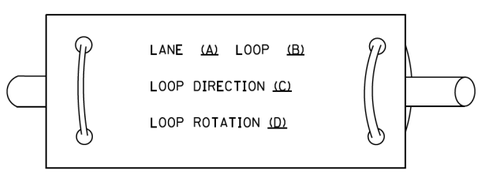
DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP

LOOP LEAD-IN CABLE TAG

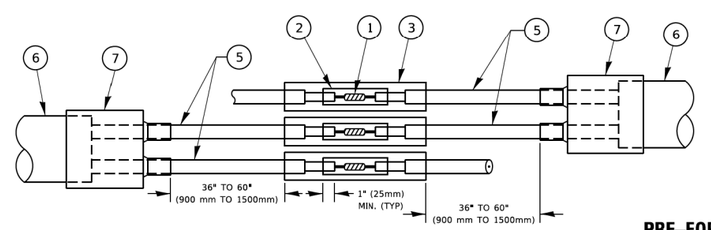


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

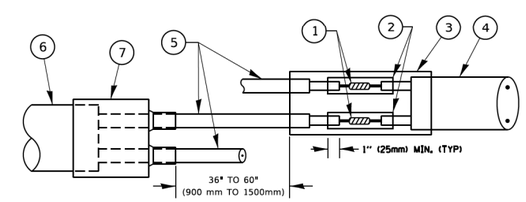
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



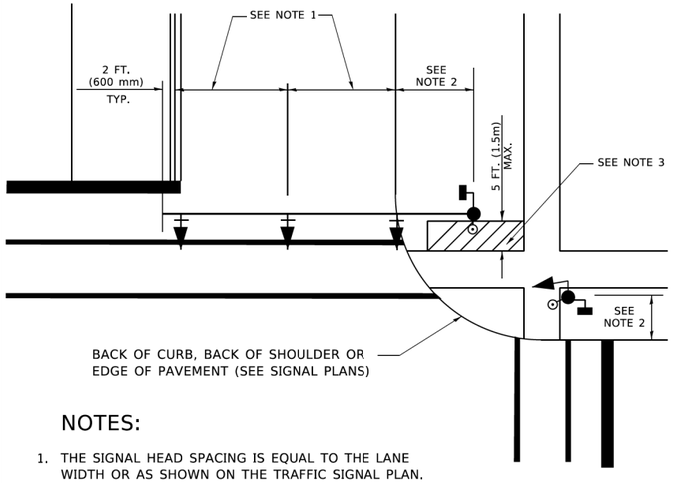
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

1. WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
2. WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
3. WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
4. NO. 14 2/C TWISTED, SHIELDED CABLE.
5. LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP
6. XL POLYOLEFIN 2 CONDUCTOR
7. BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

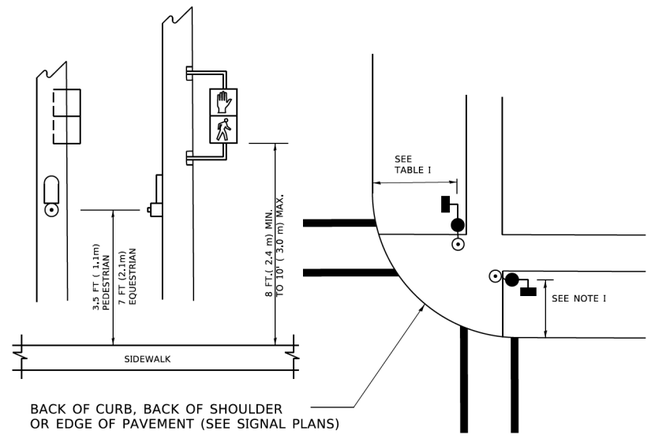
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

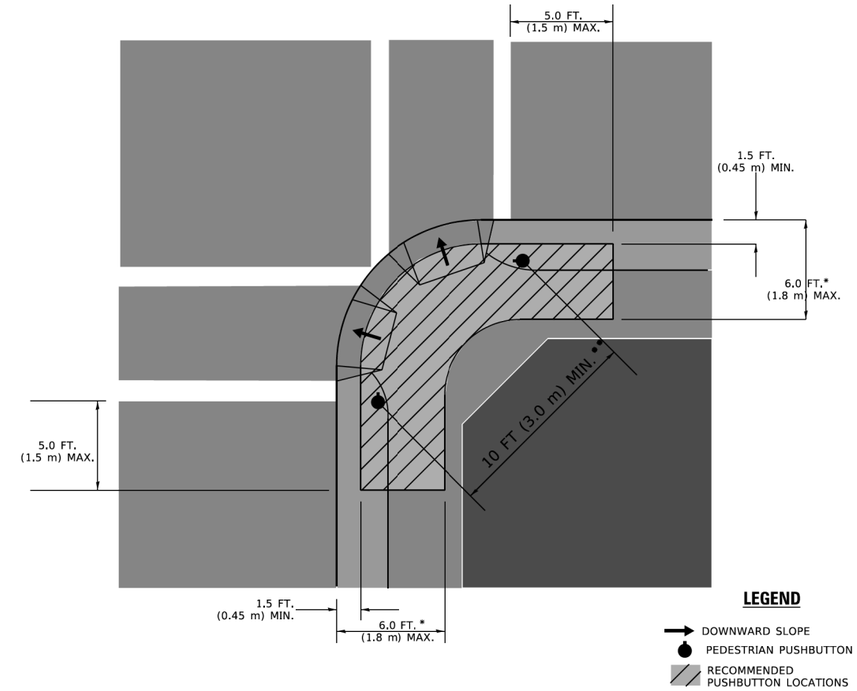
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

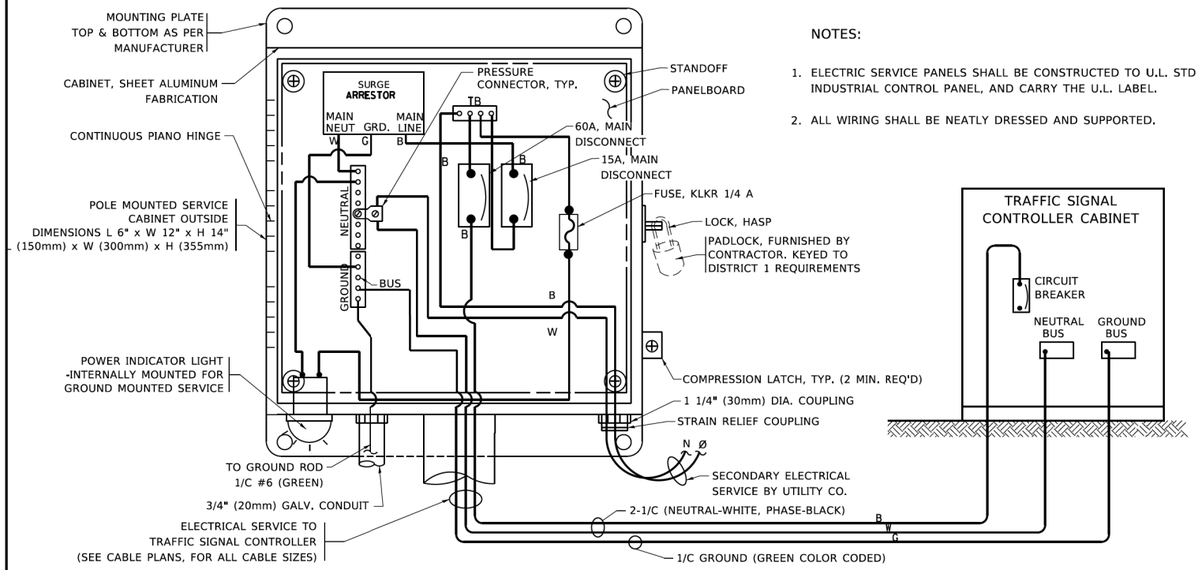
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.



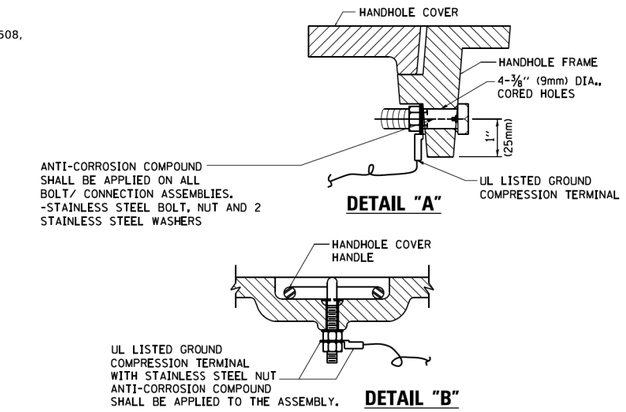
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

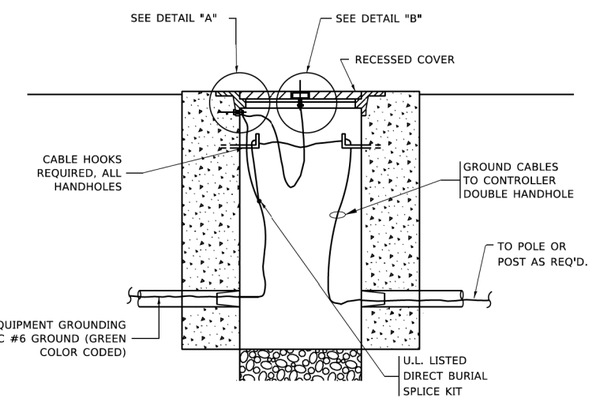
(NOT TO SCALE)



NOTES:

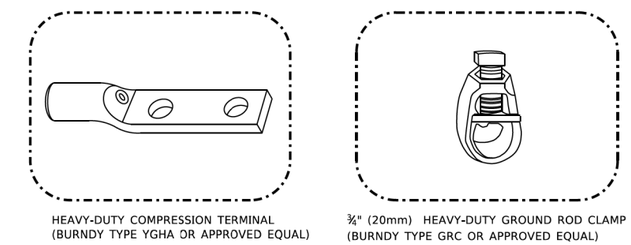
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC,). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



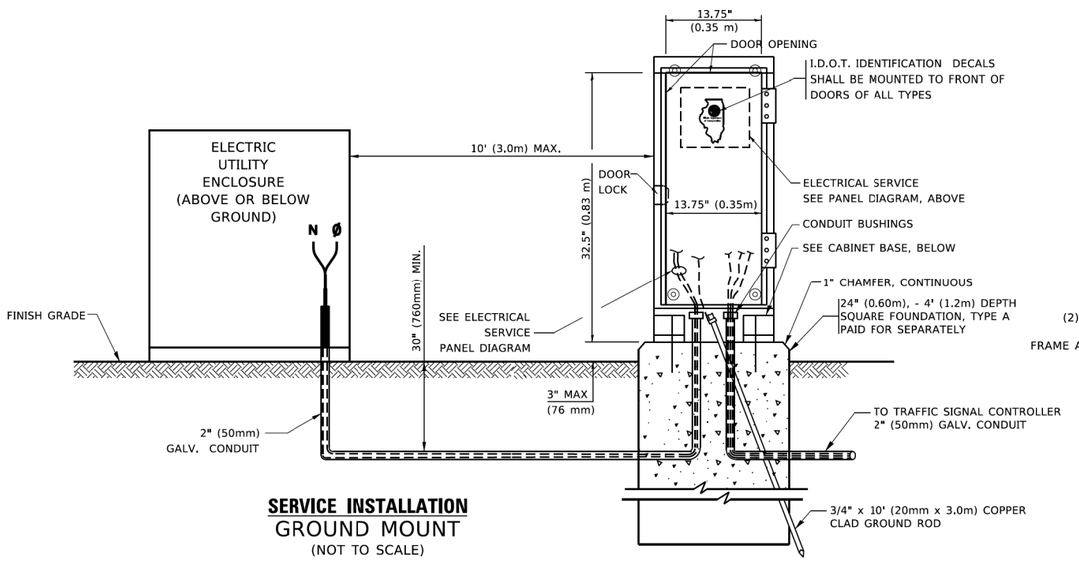
HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



NOTES:

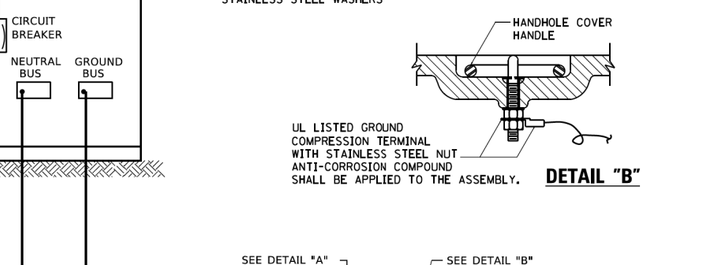
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



SERVICE INSTALLATION

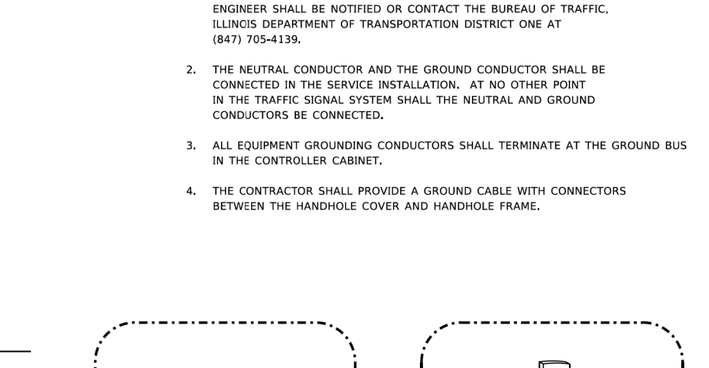
GROUND MOUNT

(NOT TO SCALE)



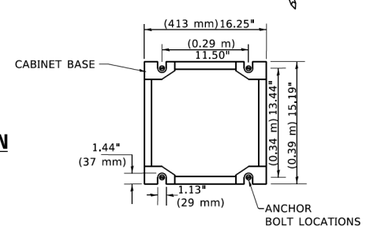
EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)



CABINET – BASE BOLT PATTERN

(NOT TO SCALE)

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	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00514-00-WR	KANE	304	157
	TS-05	CONTRACT NO. 61L28		
	ILLINOIS FED. AID PROJECT			

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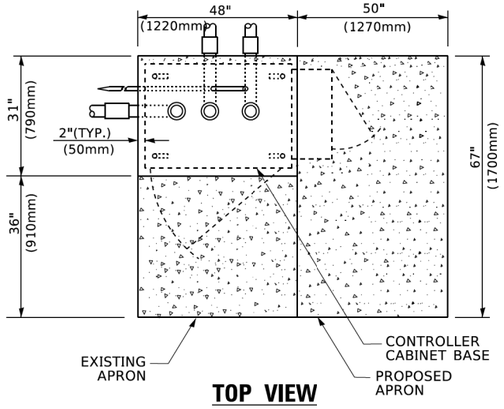
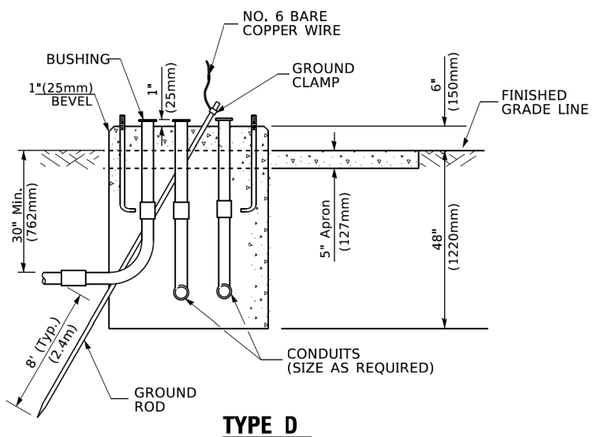
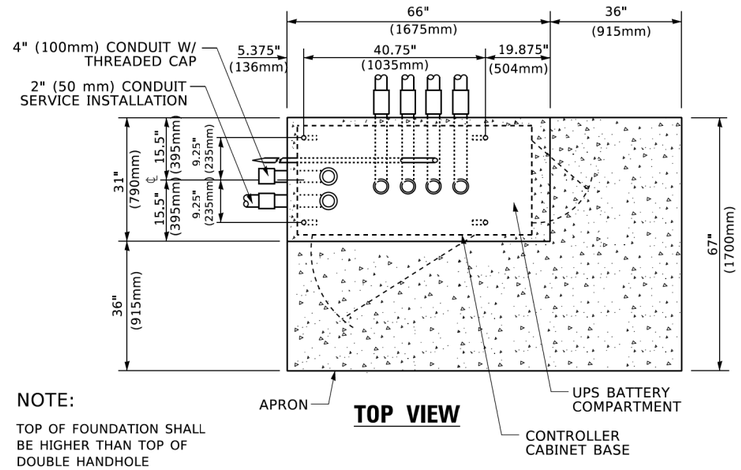


TOP VIEW



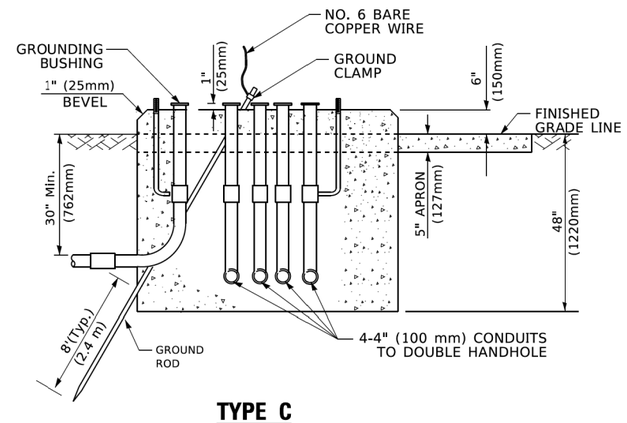
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



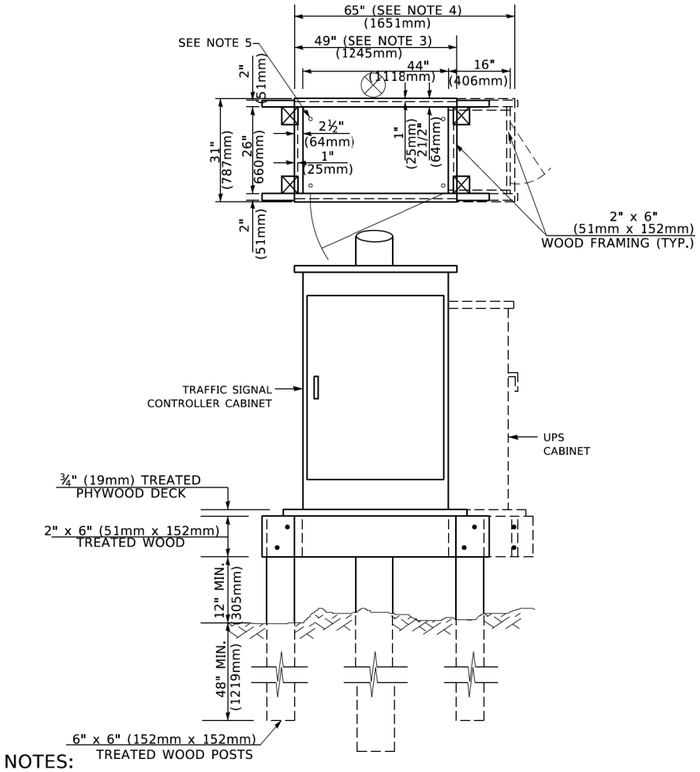
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 5 OF 7 SHEETS | STA. N/A | TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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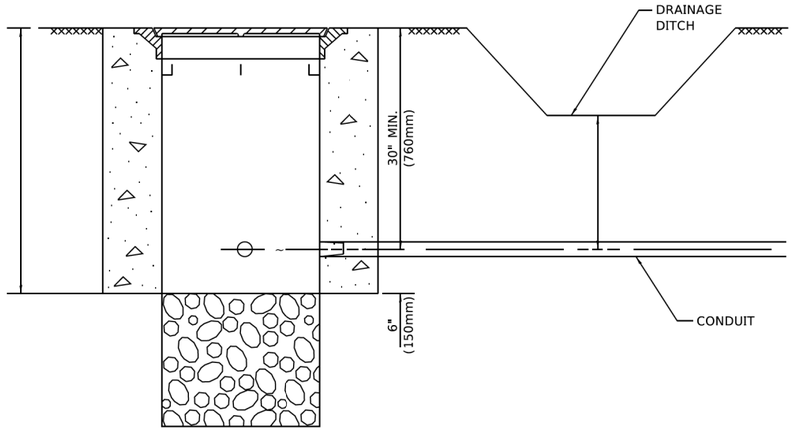
	TS-05	CONTRACT NO. 61L28		
	ILLINOIS	FED. AID PROJECT		

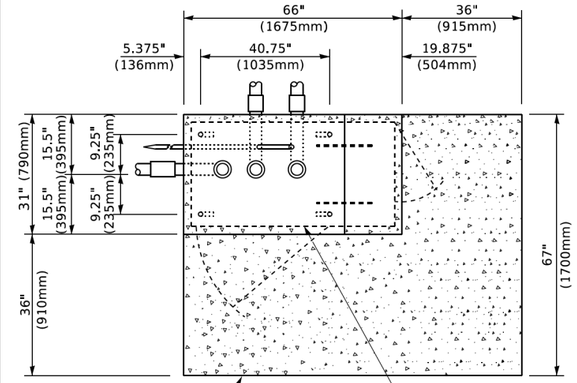


NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

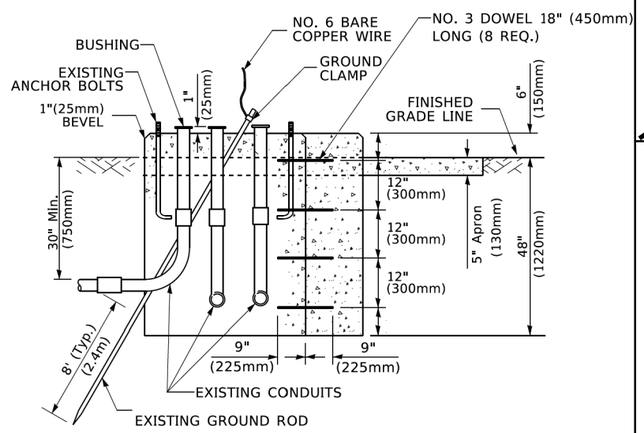
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



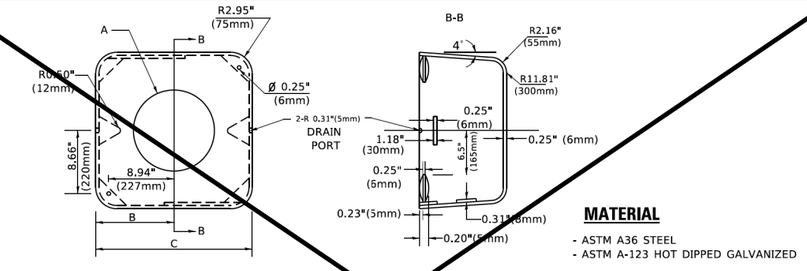
TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



MATERIAL

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

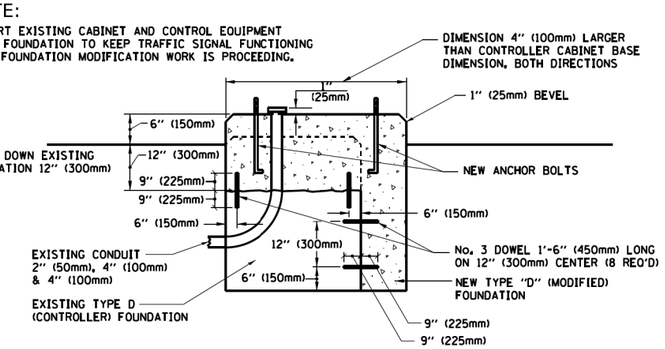
SHROUD

NOTES:

1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



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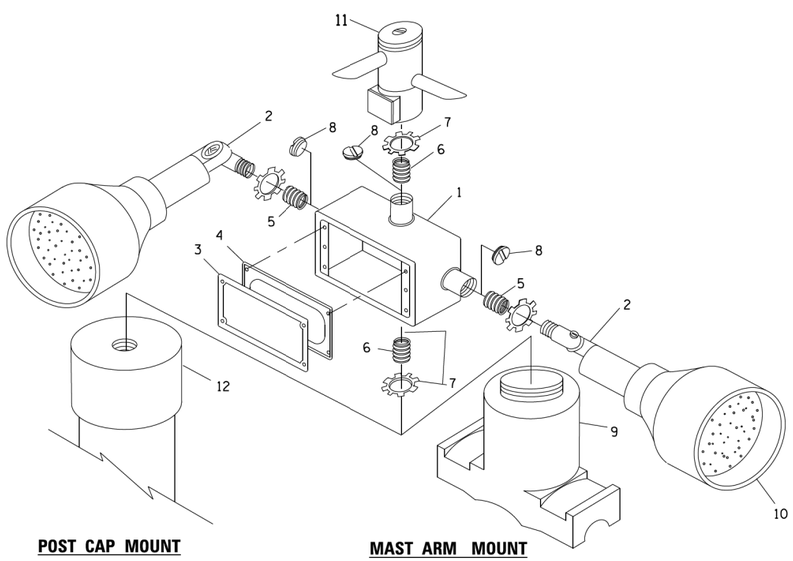


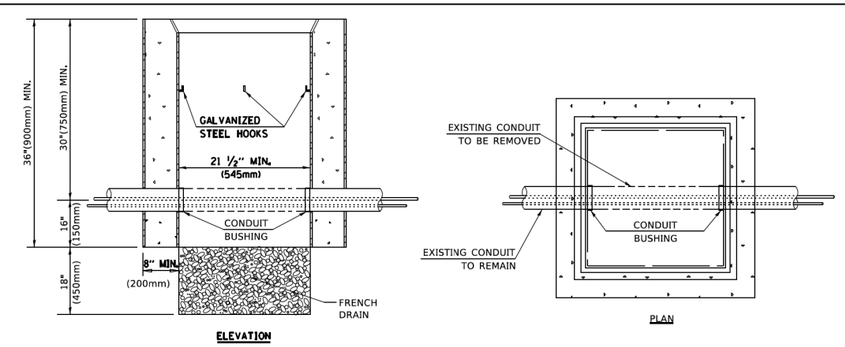
POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 6 OF 7 SHEETS | STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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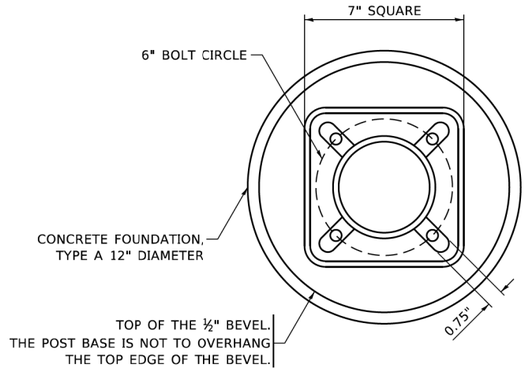
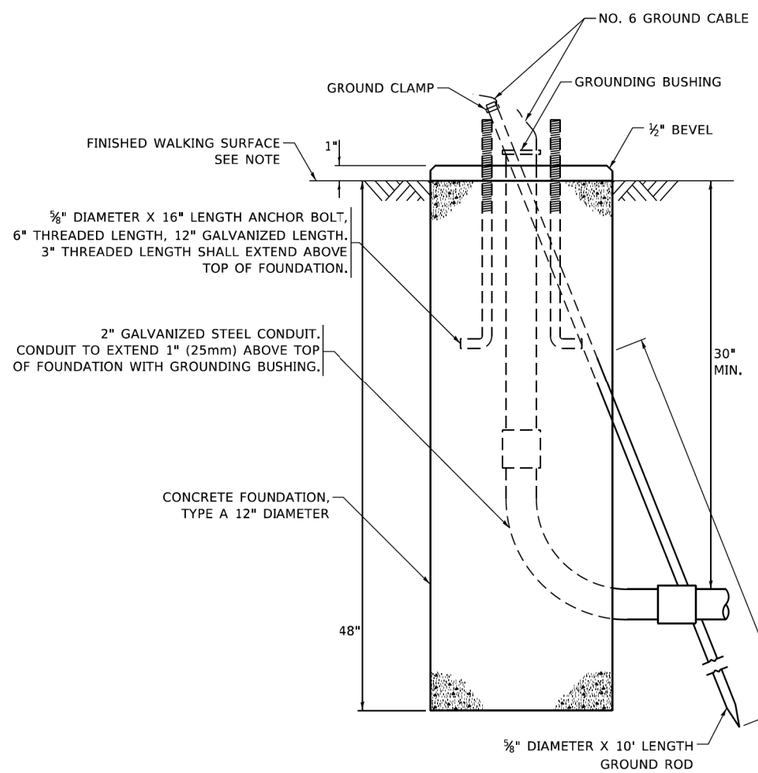
	TS-05	CONTRACT NO. 61L28		
	ILLINOIS	FED. AID PROJECT		



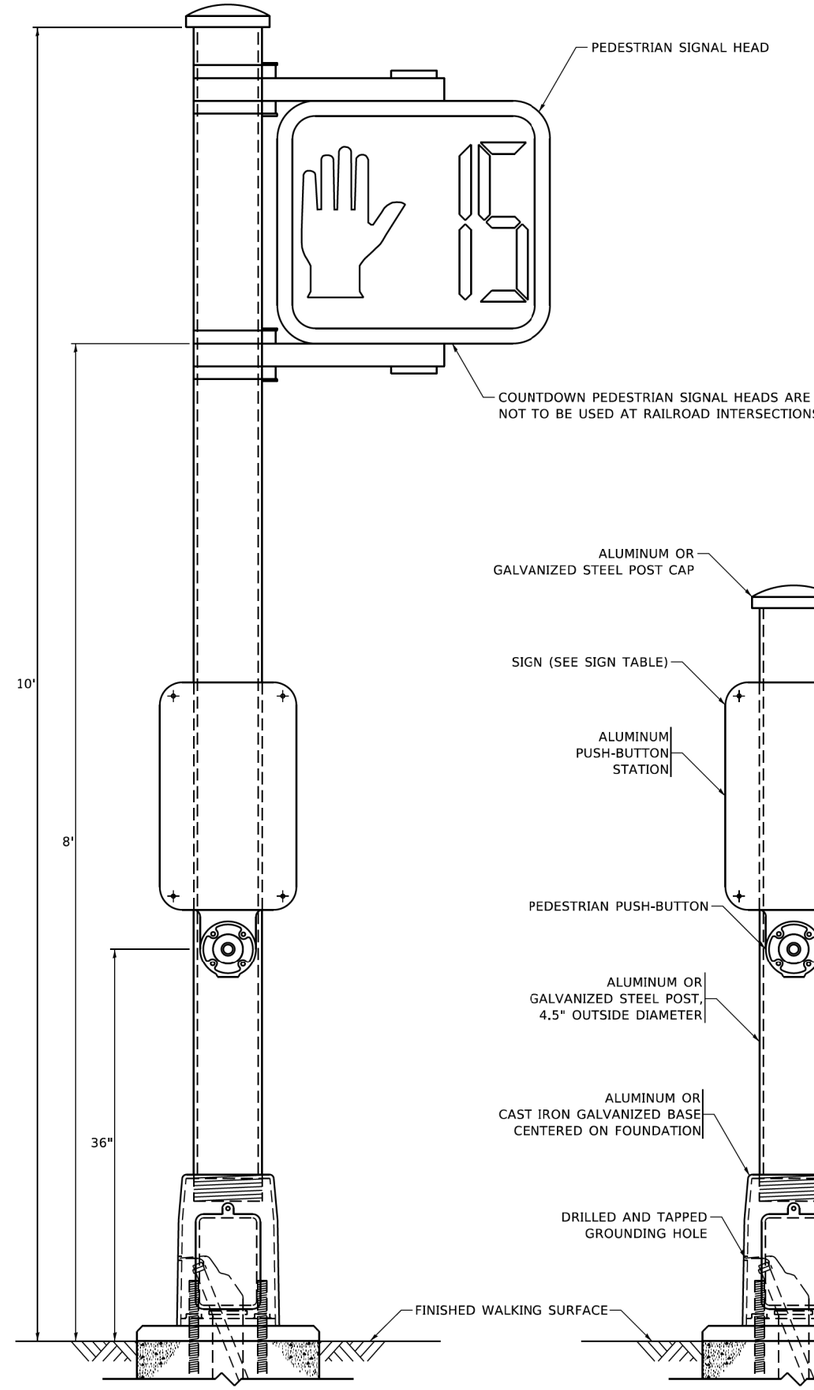
BOLT PATTERN

NOTE:

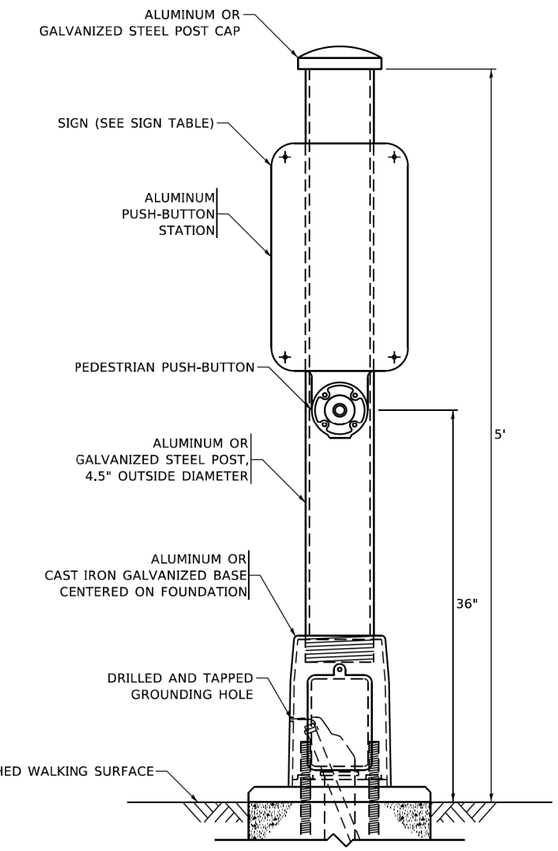
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



CONCRETE FOUNDATION, TYPE A 12–INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.



PEDESTRIAN SIGNAL POST, 5 FT.

R10–3b **R10–3d** **R10–3e**

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 7 OF 7 SHEETS | STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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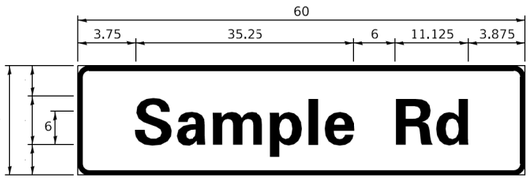
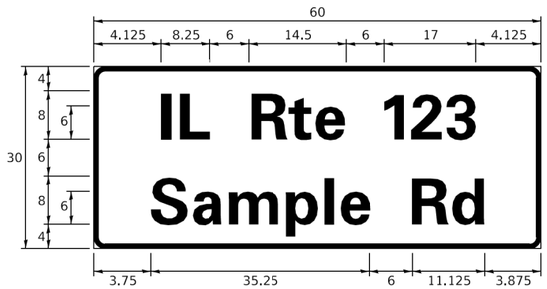
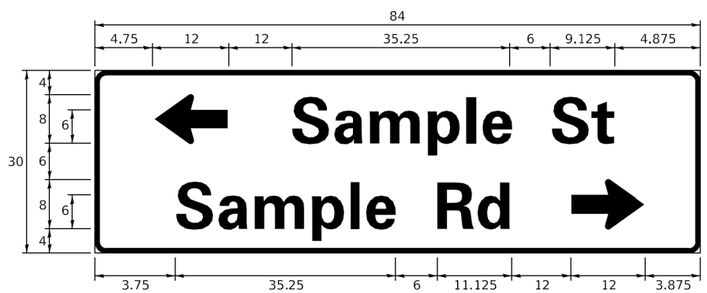
	TS–05	CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		

SIGN PANEL – TYPE 1 OR TYPE 2







DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

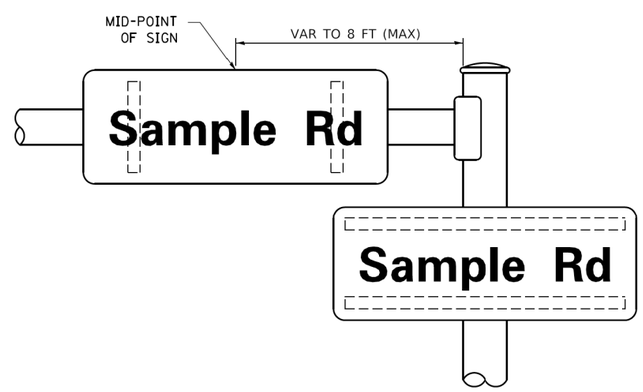
1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS IF POSSIBLE. BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
4. A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8"-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
6. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:	PARTS LISTING:	
- J.O. HERBERT COMPANY, INC MIDLOTHIAN, VA	SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
	SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
- WESTERN REMAC, INC. WOODRIDGE, IL	BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

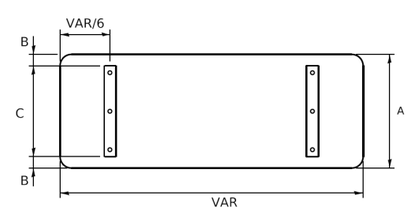
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION

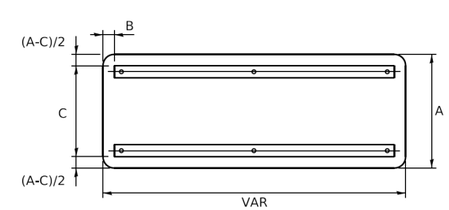
ARM OR POLE MOUNTED



SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"



A	B	C
18"	2"	12"
30"	2"	22"

STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

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DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

SCALE: | SHEET OF SHEETS | STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00514-00-WR	KANE	304	161
	TS-02	CONTRACT NO. 61L28		
	ILLINOIS	FED. AID PROJECT		

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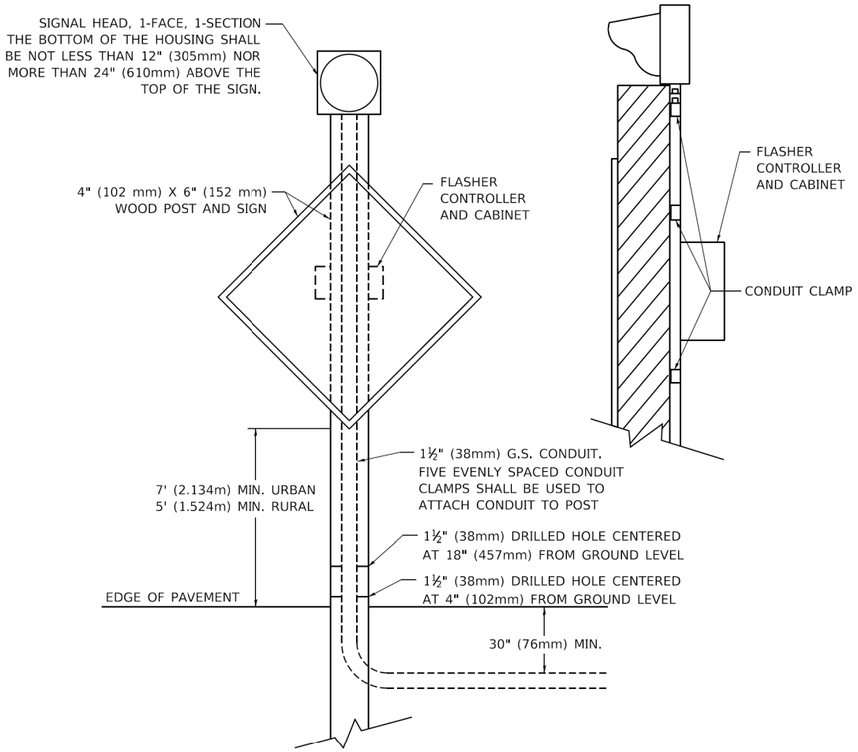
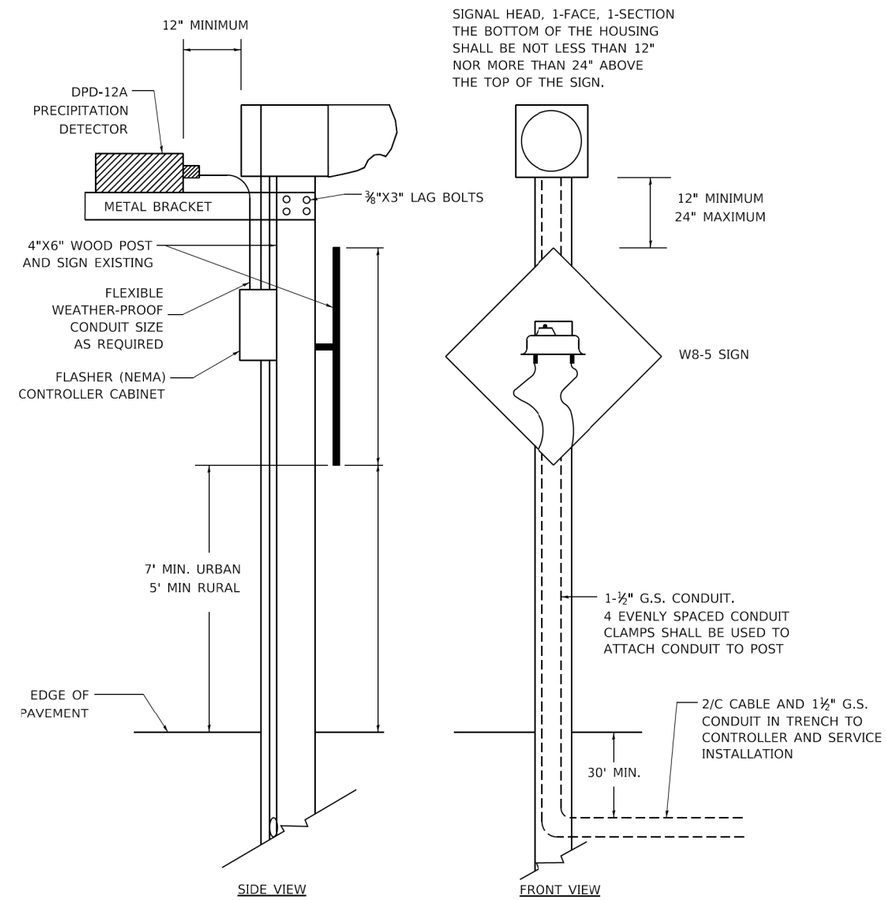


POST MOUNTED FLASHING BEACON WITH CONTROLLER AND CABINET



POST MOUNTED FLASHING BEACON WITH PRECIPITATION DETECTOR

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DISTRICT ONE
FLASHING BEACON INSTALLATION DETAILS

SCALE: | SHEET 1 OF 2 SHEETS | STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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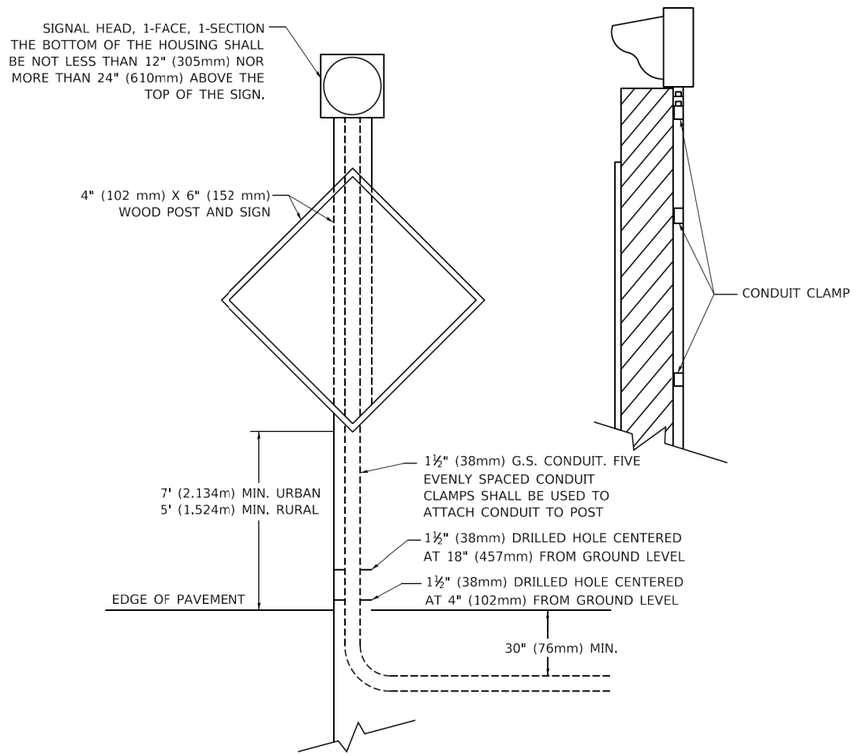
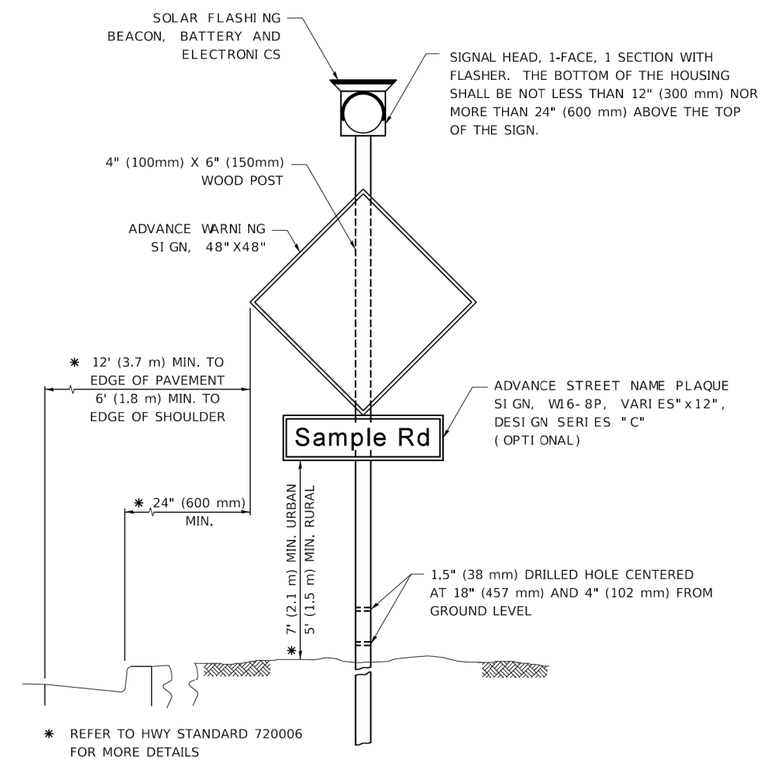
	TS-04	CONTRACT NO. 61L28		
		ILLINOIS	FED. AID PROJECT	



POST MOUNTED FLASHING BEACON



✱ REFER TO HWY STANDARD 720006 FOR MORE DETAILS

SOLAR POWERED FLASHING BEACON

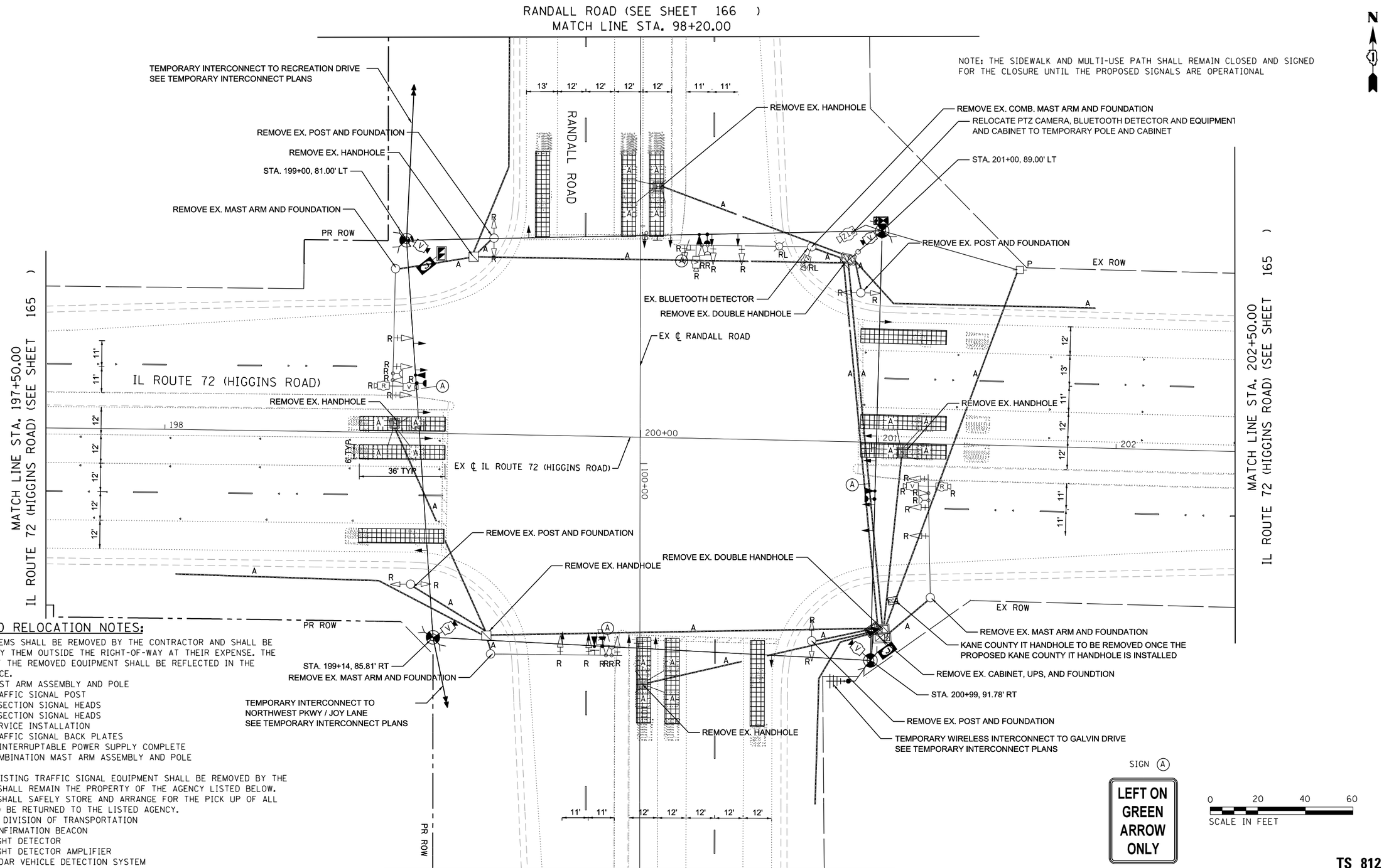
MODEL: Default
FILE NAME: pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist5\d22x33\CADData\CADsheets\ts04.dgn

USER NAME = footemj	DESIGNED - TRF	REVISED - 01-01-2007	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - LP	REVISED - 07-01-2015	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

DISTRICT ONE
FLASHING BEACON INSTALLATION DETAILS

SCALE: | SHEET 2 OF 2 SHEETS | STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00514-00-WR	KANE	304	163
	TS-04	CONTRACT NO. 61L28		
	ILLINOIS	FED. AID PROJECT		



REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 3 EACH MAST ARM ASSEMBLY AND POLE
- 4 EACH TRAFFIC SIGNAL POST
- 12 EACH 3-SECTION SIGNAL HEADS
- 8 EACH 5-SECTION SIGNAL HEADS
- 1 EACH SERVICE INSTALLATION
- 12 EACH TRAFFIC SIGNAL BACK PLATES
- 1 EACH UNINTERRUPTABLE POWER SUPPLY COMPLETE
- 1 EACH COMBINATION MAST ARM ASSEMBLY AND POLE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY.

KANE COUNTY DIVISION OF TRANSPORTATION

- 4 EACH CONFIRMATION BEACON
- 4 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER
- 2 EACH RADAR VEHICLE DETECTION SYSTEM
- 4 EACH VIDEO VEHICLE DETECTION SYSTEM
- 1 EACH REMOTED CONTROLLED VIDEO SYSTEM
- 1 EACH LAYER II SWITCH

ILLINOIS DEPARTMENT OF TRANSPORTATION

- 1 EACH CONTROLLER (M52) AND CABINET (TS2) (COMPLETE)

SIGN (A)

LEFT ON GREEN ARROW ONLY

R 10-5
30" X 36"
4 REQUIRED

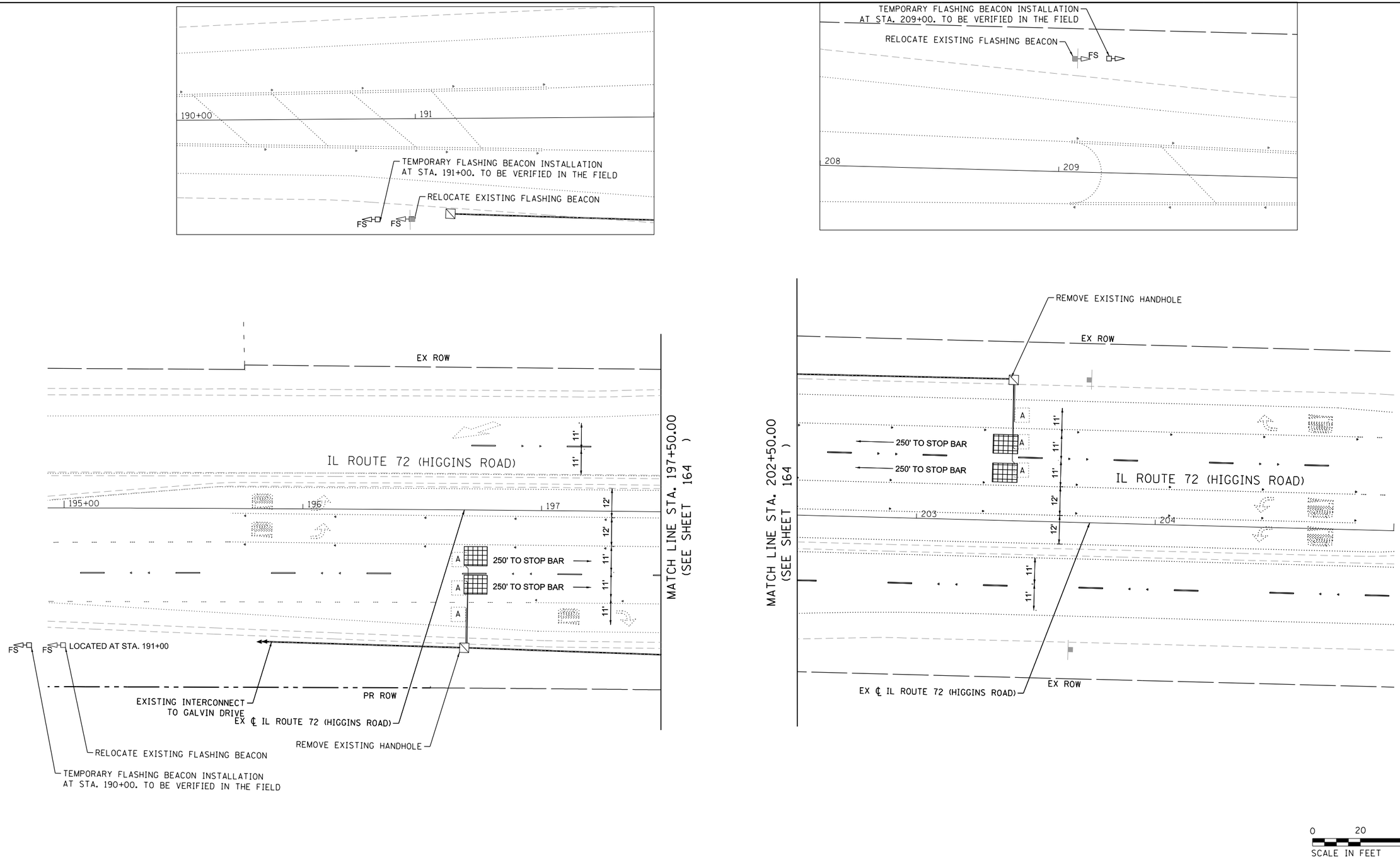
0 20 40 60
SCALE IN FEET

TS 812
FL 762
FL 763
KDOT SYSTEM

MODEL: Default
FILE NAME: W:\094-088 Randall at Higgins Phase II Engineering\CADD Sheets\016_Traffic Signals\19-00514-00-WR_SHT_TEMP_Traffic Signals_Existing.dgn

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
		DRAWN - TN	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -		
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=20' SHEET 1 OF 7 SHEETS STA. N/A TO STA. N/A

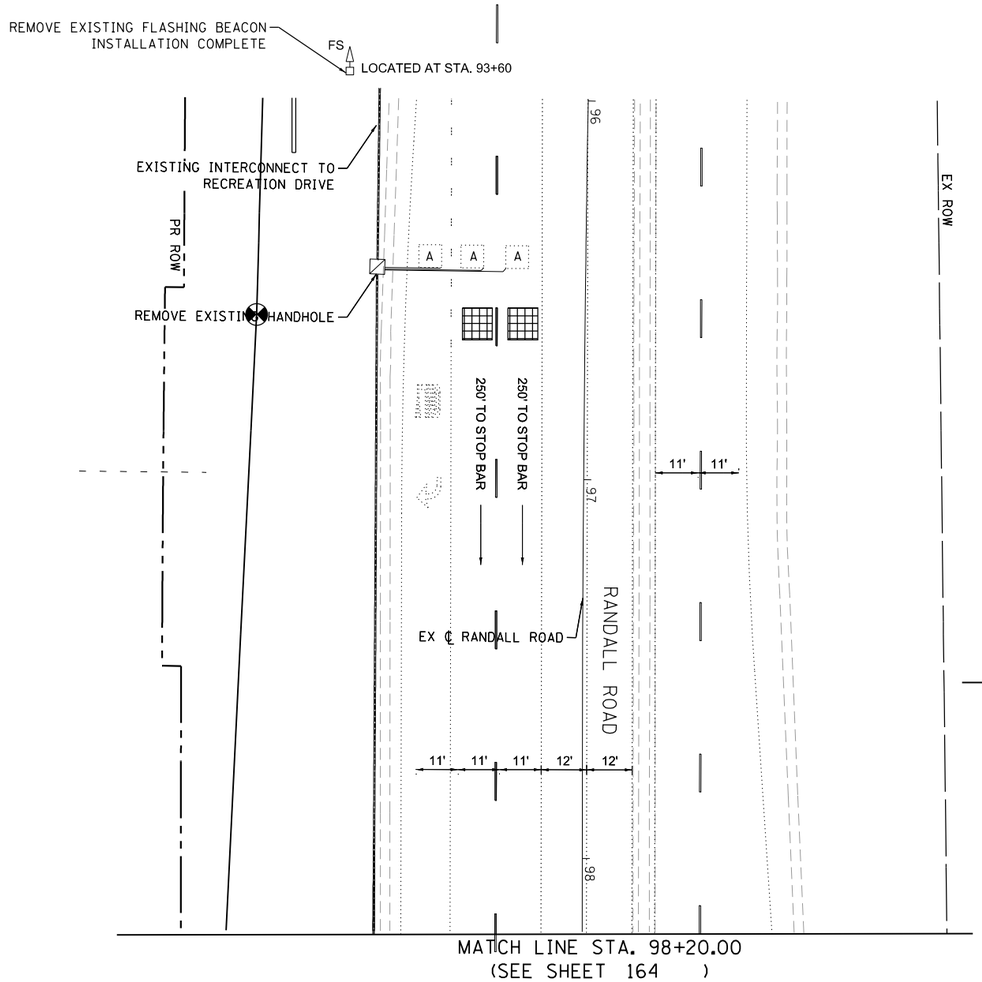
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	164
		CONTRACT NO. 61L28		
	ILLINOIS	FED. AID PROJECT		

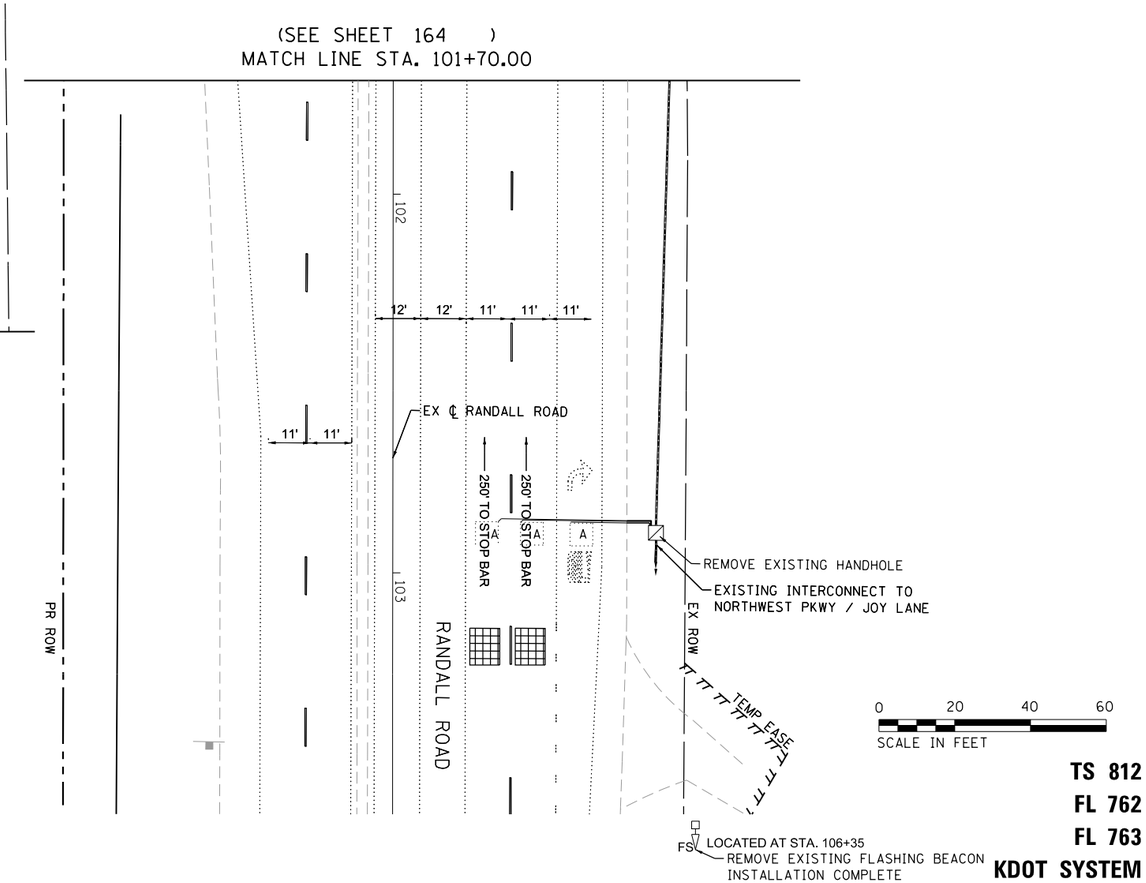


TS 812
FL 762
FL 763
KDOT SYSTEM

MODEL: Default
FILE NAME: W:\894-098 Randall at Higgins_Phase II Engineering\CADD_Sheets\016_Traffic Signals\19-00514-00-WR_SH1_TEMP_Traffic Signals_Existing.dgn

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TN	REVISED -			0336	19-00514-00-WR	KANE	304	165
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -					CONTRACT NO. 61L28		
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=20' SHEET 2 OF 7 SHEETS STA. N/A TO STA. N/A	N/A	ILLINOIS FED. AID PROJECT			





TS 812
FL 762
FL 763
KDOT SYSTEM

MODEL: Default
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BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -
		DRAWN - TN	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -

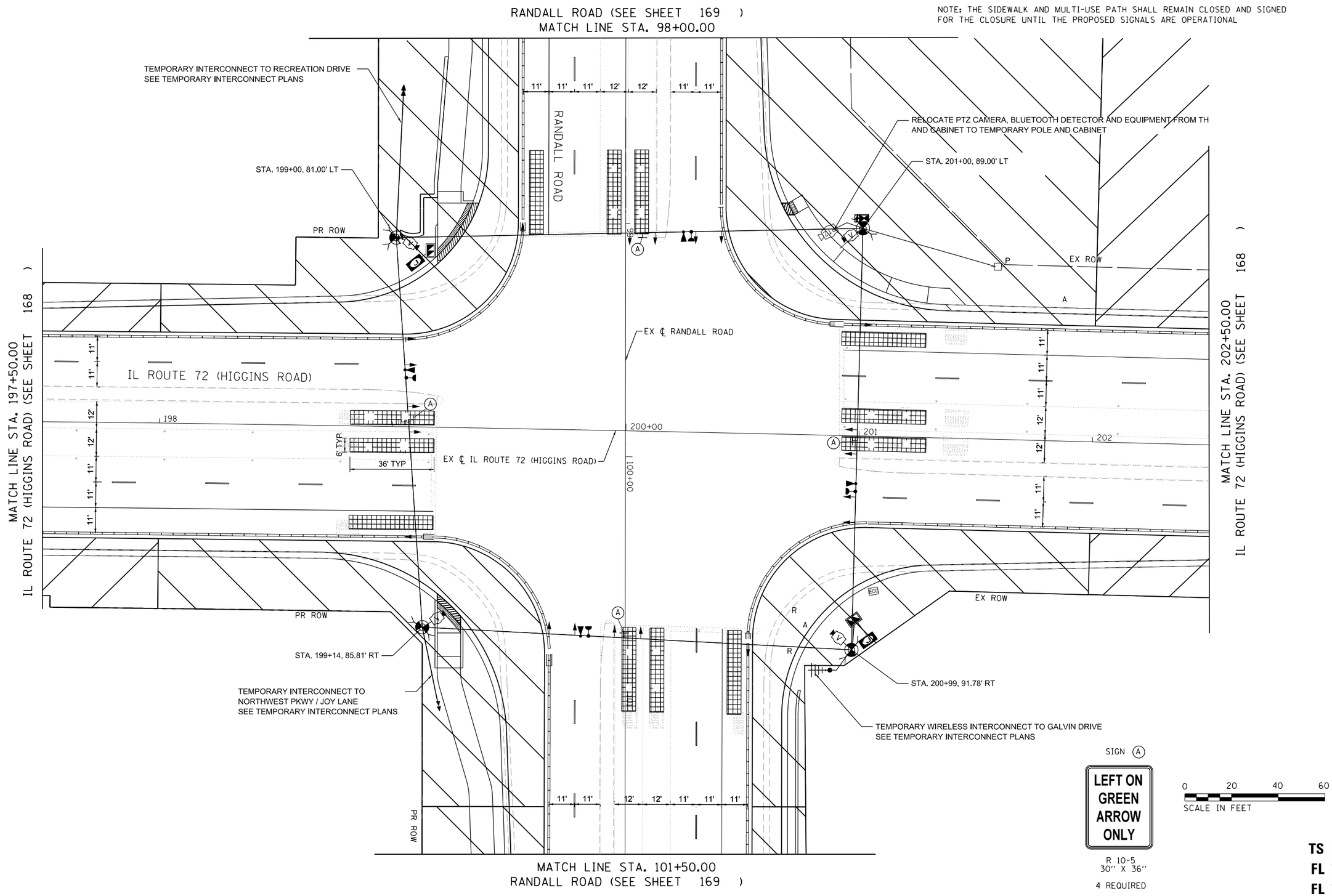
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)

SCALE: 1"=20' | SHEET 3 OF 7 SHEETS | STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	166
		CONTRACT NO. 61L28		
N/A	ILLINOIS FED. AID PROJECT			

NOTE: THE SIDEWALK AND MULTI-USE PATH SHALL REMAIN CLOSED AND SIGNED FOR THE CLOSURE UNTIL THE PROPOSED SIGNALS ARE OPERATIONAL



SIGN (A)

LEFT ON GREEN ARROW ONLY

R 10-5
30" X 36"
4 REQUIRED

0 20 40 60
SCALE IN FEET

TS 812
FL 762
FL 763
KDOT SYSTEM

MODEL: Default
FILE NAME: W:\6894-098 Randall at Higgins_Phase II Engineering\CADD_Sheets\016_Traffic Signals\19-00514-00-WR_SH1_TEMP_Traffic Signals_001.dgn

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -
		DRAWN - TN	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

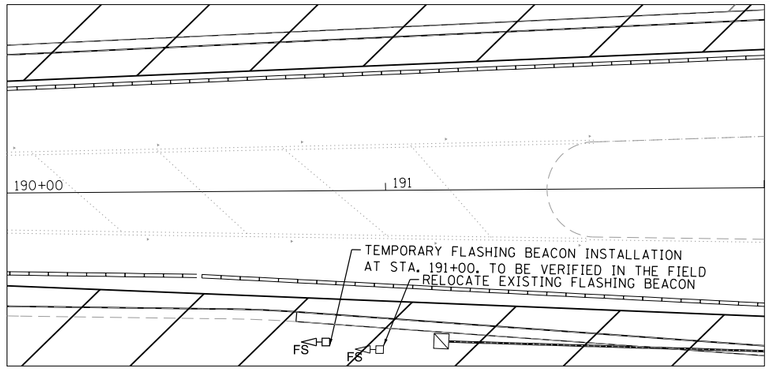
STAGE 1 TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)

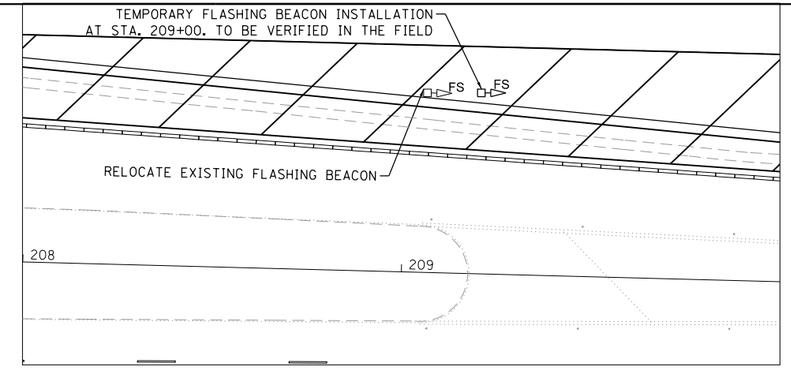
SCALE: 1"=20' | SHEET 1 OF 7 SHEETS | STA. N/A TO STA. N/A

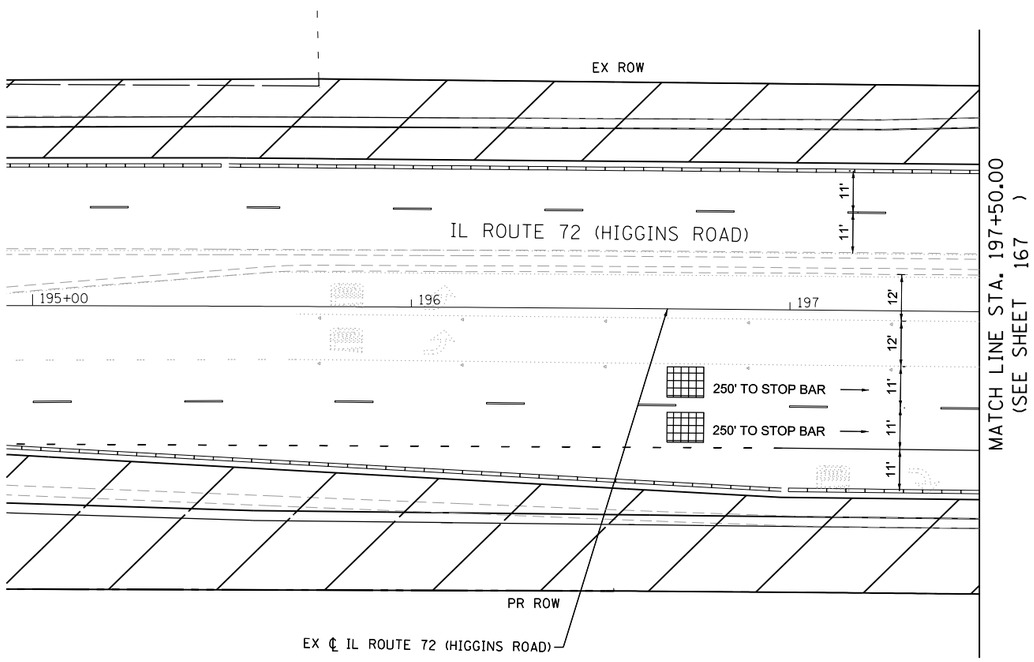
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	167

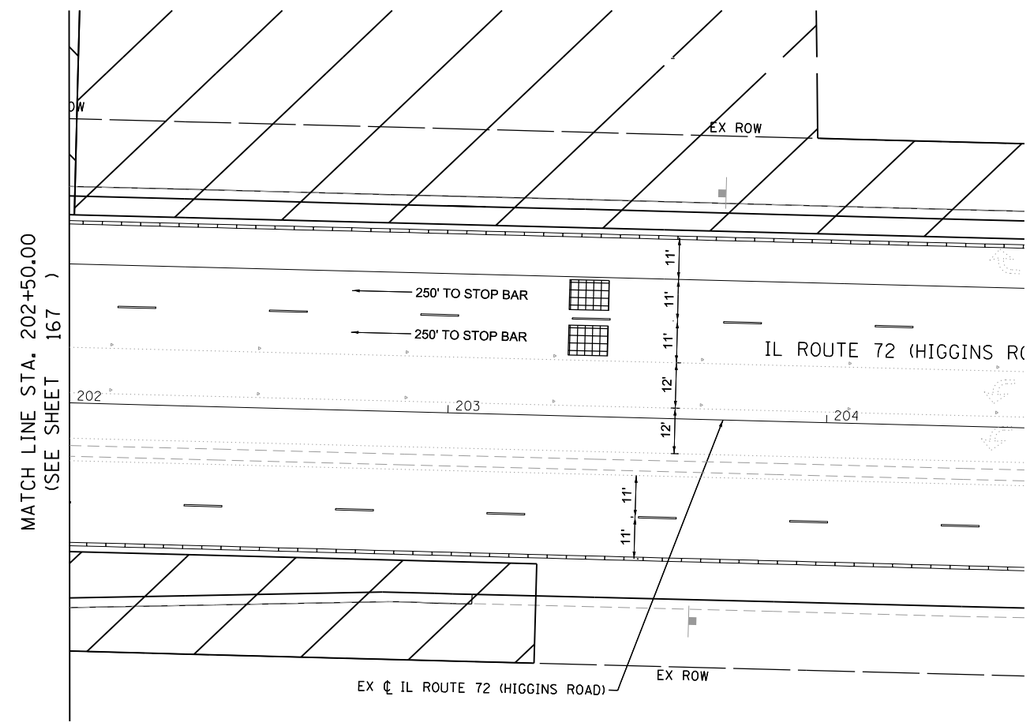
CONTRACT NO. 61L28

ILLINOIS FED. AID PROJECT









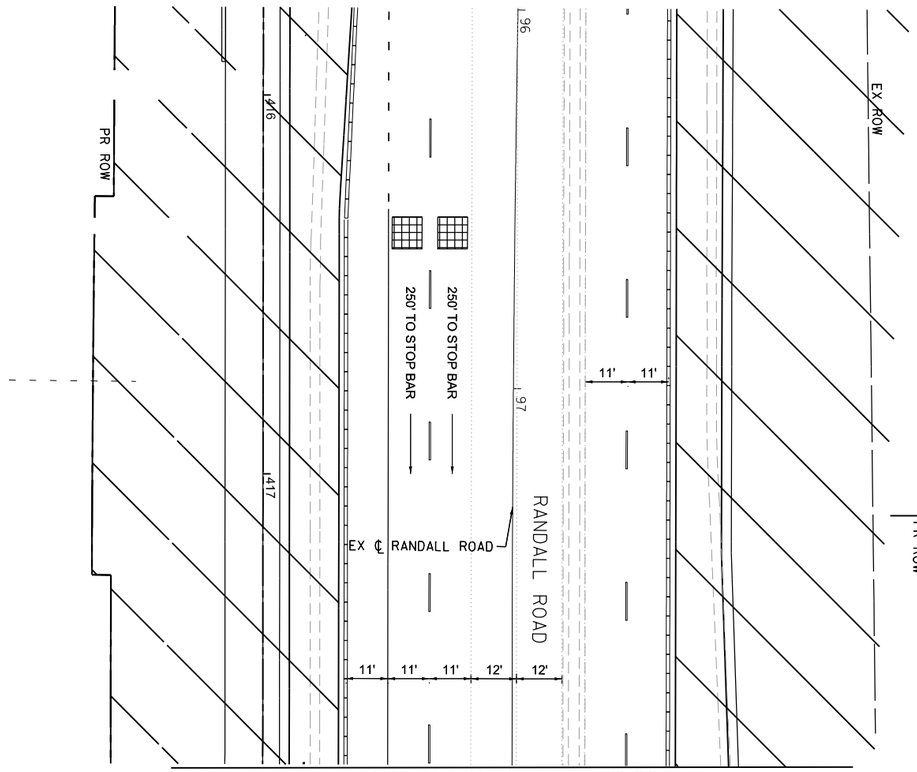
N

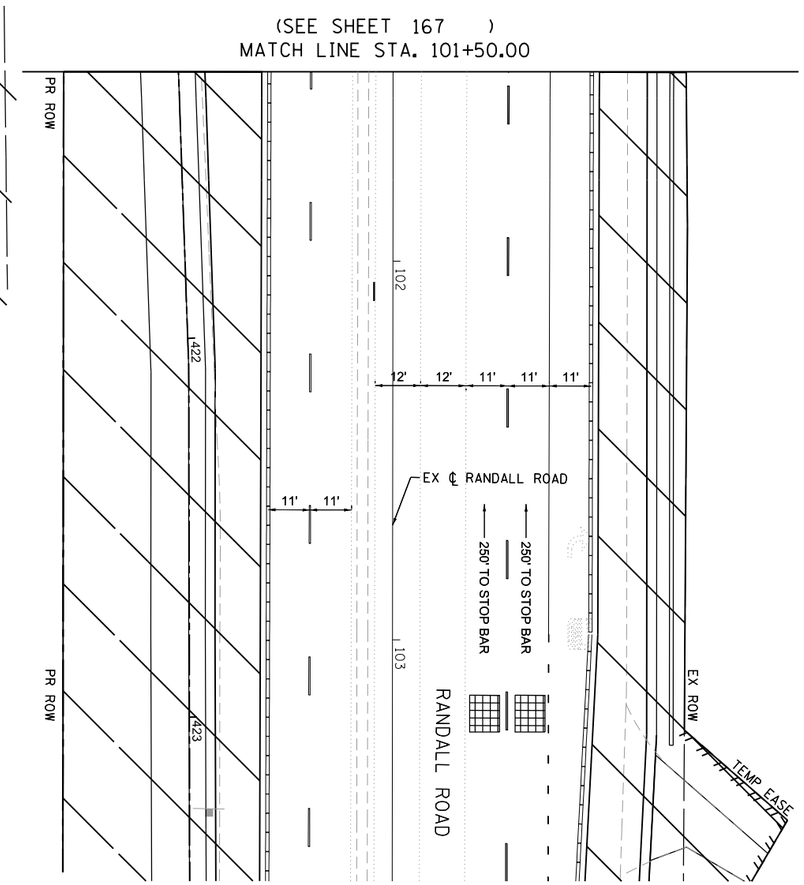
0 20 40 60
SCALE IN FEET

TS 812
FL 762
FL 763
KDOT SYSTEM

MODEL: Default
FILE NAME: W:\9914-088 Randall at Higgins_Phase III Engineering\CADD_Sheets\016_Traffic Signals\19-00514-00-WR_SHT_TEMP_Traffic Signals_001.dgn

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1 TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - TN	REVISED -			0336	19-00514-00-WR	KANE	304 / 168
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -					CONTRACT NO. 61L28	
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=20' SHEET 2 OF 7 SHEETS STA. N/A TO STA. N/A	N/A	ILLINOIS FED. AID PROJECT		





0 20 40 60
SCALE IN FEET

TS 812
FL 762
FL 763
KDOT SYSTEM

MODEL: Default
FILE NAME: W:\6894-098 Randall at Higgins_Phase II Engineering\CADD_Sheets\016_Traffic Signals\19-00514-00-WR_SH1_TEMP_Traffic Signals_001.dgn

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -
		DRAWN - TN	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)

SCALE: 1"=20' | SHEET 3 OF 7 SHEETS | STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	169
		CONTRACT NO. 61L28		
N/A	ILLINOIS	FED. AID PROJECT		

RANDALL ROAD (SEE SHEET 172)
MATCH LINE STA. 98+00.00

NOTE: THE SIDEWALK AND MULTI-USE PATH SHALL REMAIN CLOSED AND SIGNED FOR THE CLOSURE UNTIL THE PROPOSED SIGNALS ARE OPERATIONAL

TEMPORARY INTERCONNECT TO RECREATION DRIVE
SEE TEMPORARY INTERCONNECT PLANS

11' 11' 11' 12' 12' 11' 14'

RANDALL ROAD

ONLY ONLY ONLY

PR ROW

EX ROW

EX ℄ RANDALL ROAD

IL ROUTE 72 (HIGGINS ROAD)

16' 11'

198 199 200+00 201 202

EX ℄ IL ROUTE 72 (HIGGINS ROAD)

100+00

12' 12' 11' 11' 11'

11' 11' 11' 12' 12' 11' 11'

IL ROUTE 72 (HIGGINS ROAD) (SEE SHEET 171)
MATCH LINE STA. 197+50.00

MATCH LINE STA. 202+50.00
IL ROUTE 72 (HIGGINS ROAD) (SEE SHEET 171)

PR ROW

EX ROW

TEMPORARY INTERCONNECT TO NORTHWEST PARKWAY/JOY LANE
SEE TEMPORARY INTERCONNECT PLANS

101

ONLY ONLY ONLY

15' 11' 12' 12' 11' 11' 11'

TEMPORARY INTERCONNECT TO GALVIN DRIVE
SEE TEMPORARY INTERCONNECT PLANS

PR ROW

MATCH LINE STA. 101+50.00
RANDALL ROAD (SEE SHEET 172)

SIGN (A)

LEFT ON GREEN ARROW ONLY

R 10-5
30" X 36"

4 REQUIRED

0 20 40 60
SCALE IN FEET

TS 812
FL 762
FL 763
KDOT SYSTEM

MODEL: Default
FILE NAME: W:\8894-098 Randall at Higgins_Phase II Engineering\CADD_Sheets\016_Traffic Signals\19-00514-00-WR_SHT_TEMP_Traffic Signals_002.dgn

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 2 TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TN	REVISED -			0336	19-00514-00-WR	KANE	304	170
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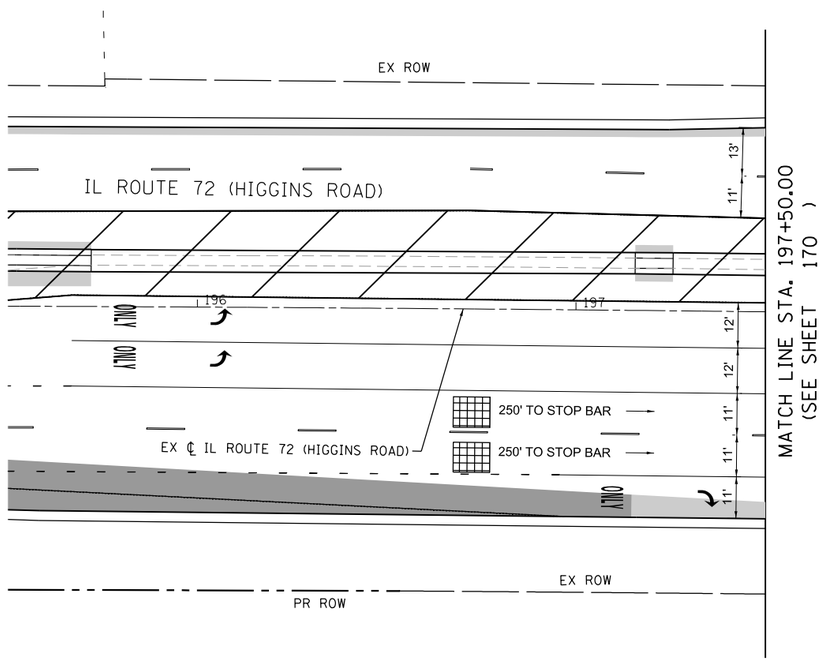
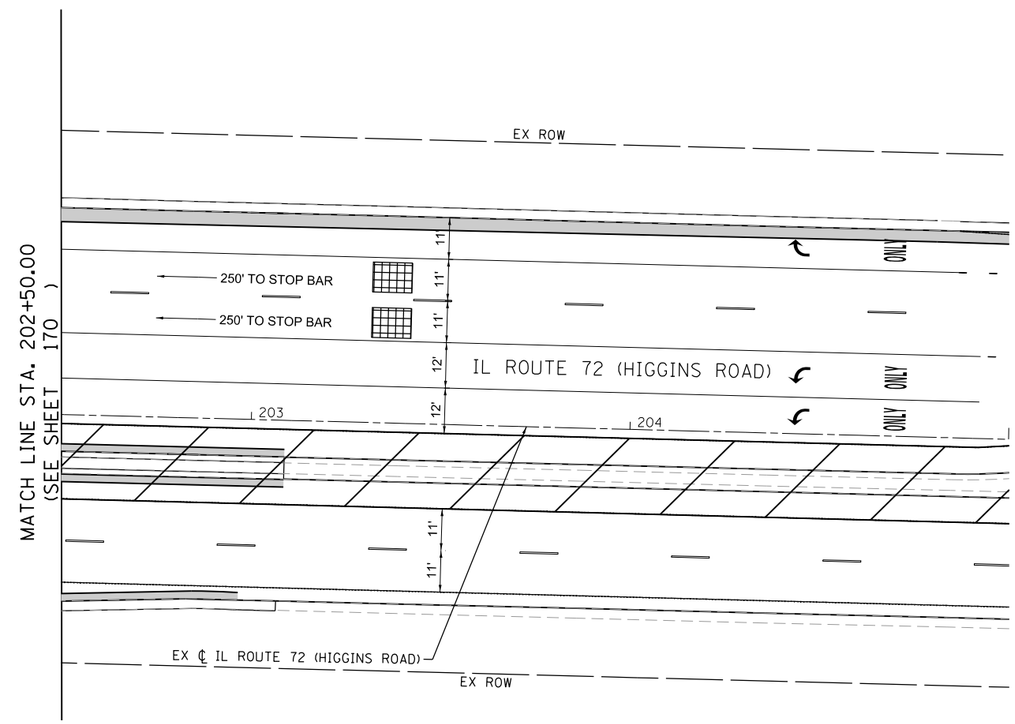
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=20' SHEET 4 OF 7 SHEETS STA. N/A TO STA. N/A		ILLINOIS FED. AID PROJECT			





0 20 40 60
SCALE IN FEET

TS 812
FL 762
FL 763
KDOT SYSTEM

MODEL: Default
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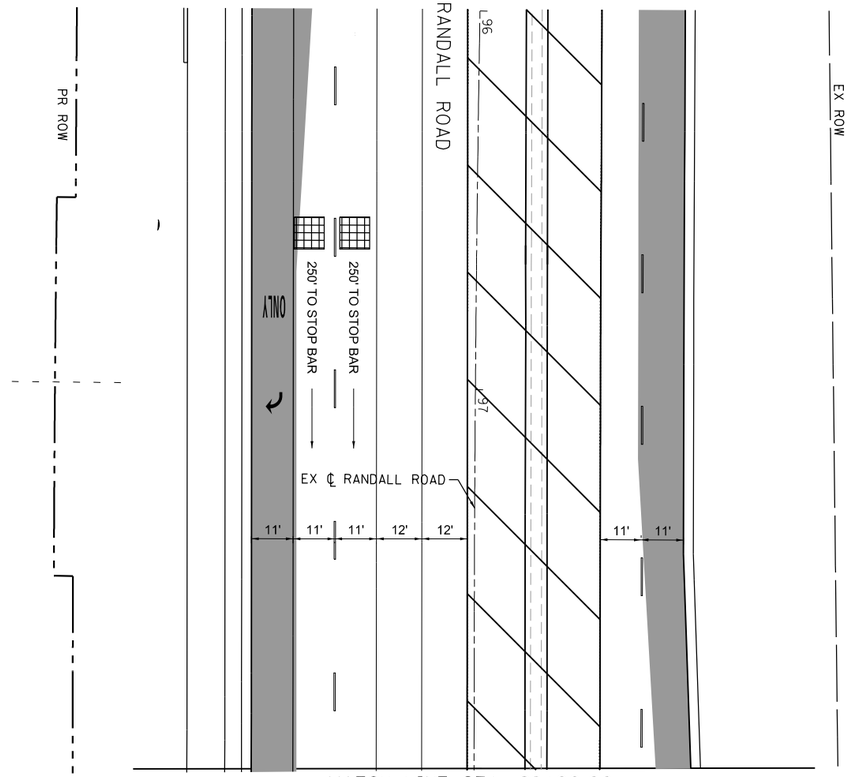
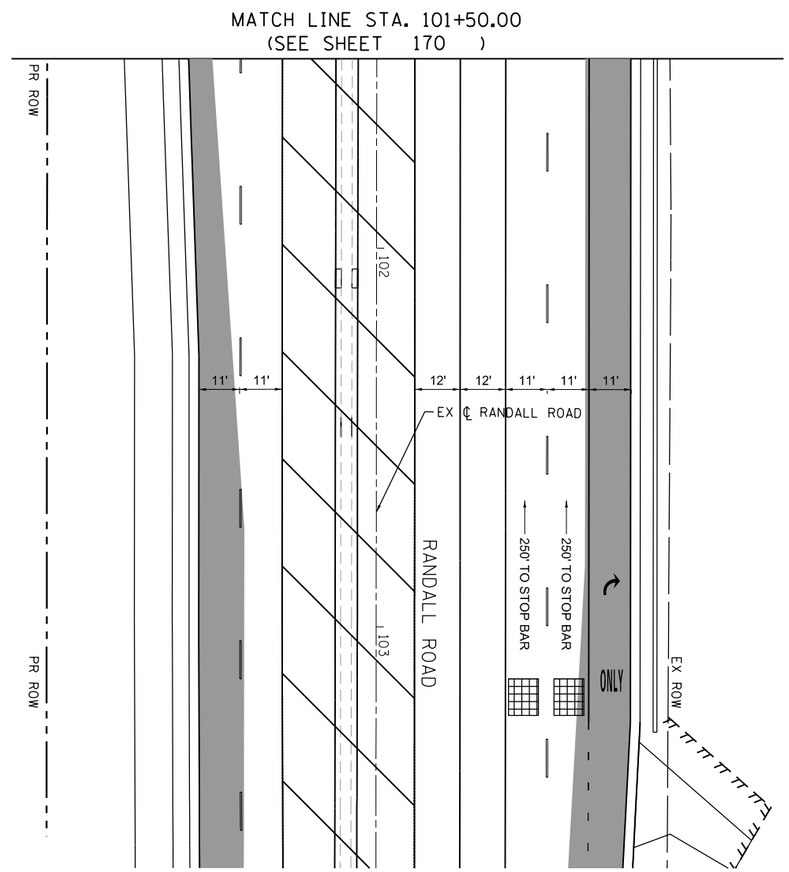
BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 2 TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - TN	REVISED -			0336	19-00514-00-WR	KANE	304 / 171
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -					CONTRACT NO. 61L28	
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=20' SHEET 5 OF 7 SHEETS STA. N/A TO STA. N/A	N/A	ILLINOIS FED. AID PROJECT		





0 20 40 60
SCALE IN FEET

TS 812
FL 762
FL 763
KDOT SYSTEM

MODEL: Default
FILE NAME: W:\8894-098 Randall at Higgins_Phase II Engineering\CADD_Sheets\0116_Traffic Signals\19-00514-00-WR_SHT_TEMP_Traffic Signals_002.dgn

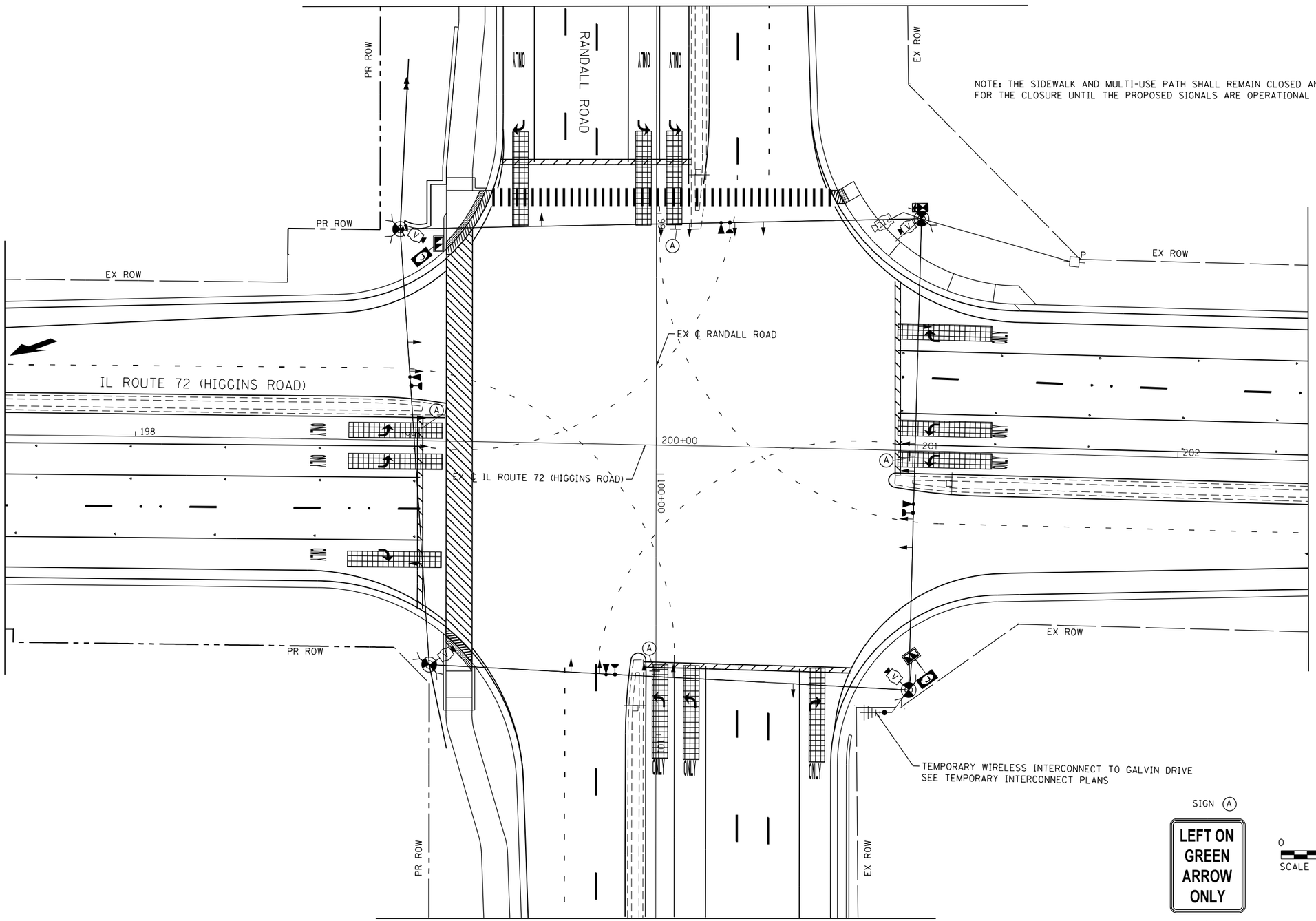
BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -
		DRAWN - TN	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2 TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)

SCALE: 1"=20' | SHEET 6 OF 7 SHEETS | STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	172
		CONTRACT NO. 61L28		
N/A	ILLINOIS	FED. AID PROJECT		



SIGN (A)

LEFT ON GREEN ARROW ONLY

R 10-5
30" X 36"
4 REQUIRED

0 20 40 60
SCALE IN FEET

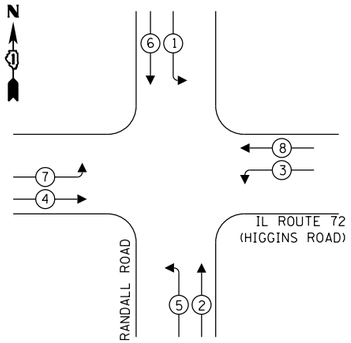
TS 812
FL 762
FL 763
KDOT SYSTEM

MODEL: Default
FILE NAME: W:\094-088 Randall at Higgins_Phase II Engineering\CADD Sheets\016_Traffic Signals\19-00514-00-WR_SHT_TEMP_Traffic Signals_Final.dgn

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FINAL GEOMETRY TEMPORARY TRAFFIC SIGNAL PLAN EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
		DRAWN - TN	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -		
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=20' SHEET 1 OF 7 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	173
		CONTRACT NO. 61L28		
	ILLINOIS	FED. AID PROJECT		

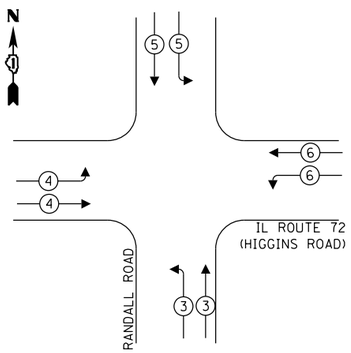
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

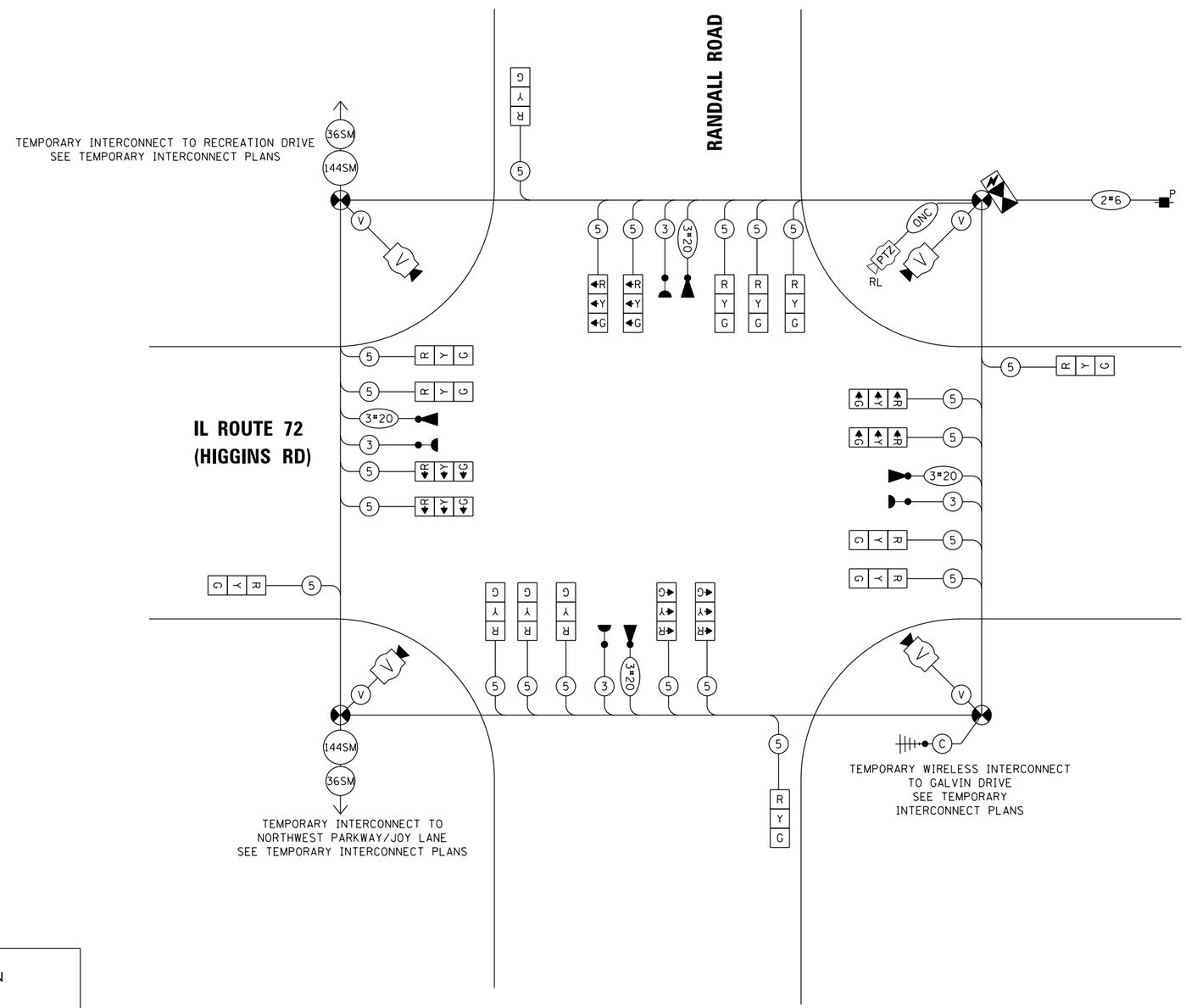


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE		QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	1 OR 3-SECTION	18	11	198
	4-SECTION	0	14	0
	5-SECTION	0	13	0
PROGRAMMABLE	3-SECTION	0	22	0
	4-SECTION	0	32	0
	5-SECTION	0	28	0
PEDESTRIAN SIGNAL		0	15	0
CONTROLLER		1	150	150
MASTER CONTROLLER		0	100	0
UPS		1	25	25
DETECTION	RADAR OR VIDEO	4	20	80
BLANK-OUT SIGN		0	25	0
NETWORK SWITCH	II OR III	1	35	35
CELLULAR MODEM		0	15	0
PTZ CAMERA		1	75	75
TOTAL UPS SIZING				563
UPS CHARGING		1	225	225
BATTERY HEATER MAT		1	180	180
CABINET HEATER		1	200	200
FLASHER		0	15	0
LED STREET NAME SIGN		0	120	0
LUMINAIRE		0	240	0
TOTAL SERVICE WIRE SIZING				1,168

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W CENTER COURT
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: CASSIE EVANS
PHONE: 773-241-0741
COMPANY: COMED
ACCOUNT NUMBER: 2602829000
METER NUMBER: ---



TEMPORARY CABLE PLAN

(NOT TO SCALE)

TS 812
FL 762
FL 763
KDOT SYSTEM

MODEL: Default
FILE NAME: W:\894-088 Randall at Higgins_Phase II Engineering\CADD_Sheets\016_Traffic Signals\19-00514-00-WR_SHT_TEMP_Traffic Signals_001.dgn

BLA, Inc.

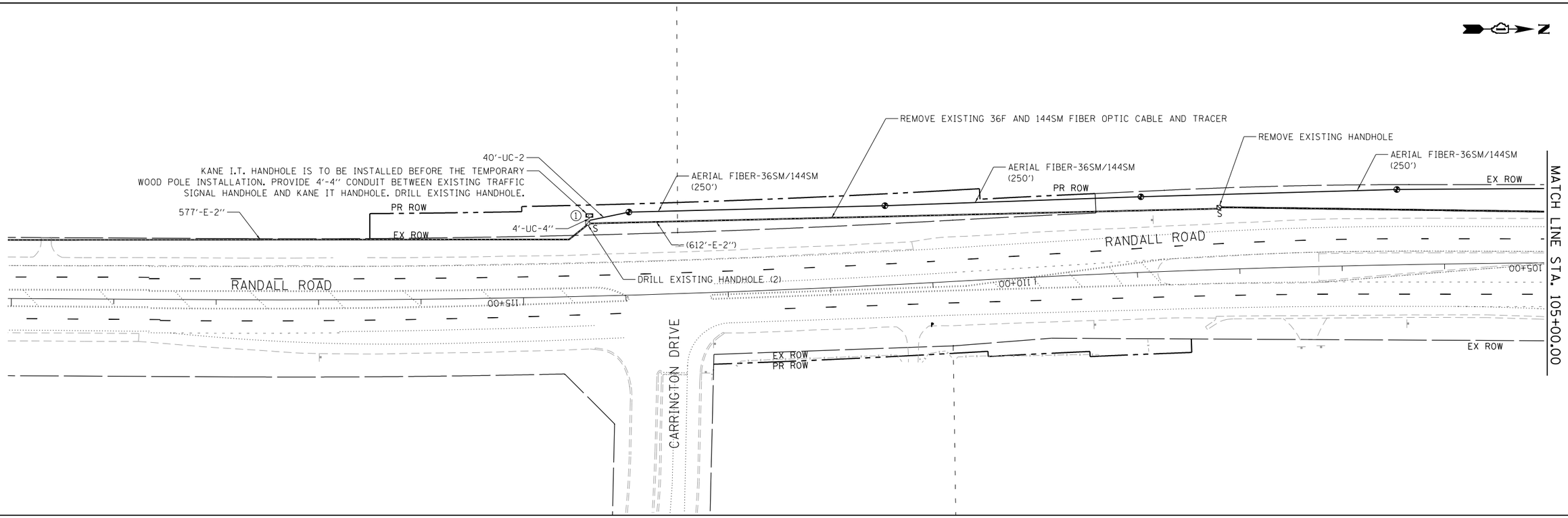
USER NAME = tnestor	DESIGNED - TN	REVISED -
	DRAWN - TN	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -
PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALL STAGES TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)

SCALE: NTS | SHEET 7 OF 7 SHEETS | STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	174
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		



① CONSTRUCTION NOTES:
BUILD PROPOSED KANE IT HANDHOLE BEFORE ANY WORK FOR TEMPORARY TRAFFIC SIGNAL INTERCONNECT. PULL EXISTING 144F FIBER CABLE FROM THE INTERSECTION OF RANDALL ROAD AT IL ROUTE 72 TO THE HANDHOLE AT 114+50 AND STORE IN THIS HANDHOLE. THE CONTRACTOR SHALL THEN SPLICE THE EXISTING FIBER OPTIC CABLE TO TEMPORARY FIBER OPTIC CABLE LEADING TO THE TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET. THE CABLE SPLICES SHALL BE ABOVE GROUND IN A WEATHERPROOF ENCLOSURE MOUNTED ON THE WOOD POLE IN A WORKMANLIKE MANNER. CONTRACTOR SHALL COORDINATE WITH KANE IT AND KANE IT FIBER CABLE CONTRACTOR NTI AT LEBOKURT@KANECOUNTYIL.GOV AND ATNSCHROEDER@NTITECH.COM FOR THE 144SM FIBER SPLICE AND TERMINATION. THIS THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "TEMPORARY INTERCONNECT."

PULL EXISTING 36F FIBER CABLE FROM THE INTERSECTION OF RANDALL ROAD AT IL ROUTE 72 TO THE HANDHOLE AT 114+50 AND STORE IN THIS HANDHOLE. THE CONTRACTOR SHALL THEN SPLICE THE EXISTING FIBER OPTIC CABLE TO TEMPORARY FIBER OPTIC CABLE LEADING TO THE TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET. THE CABLE SPLICES SHALL BE ABOVE GROUND IN A WEATHERPROOF ENCLOSURE MOUNTED ON THE WOOD POLE IN A WORKMANLIKE MANNER. THIS THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "TEMPORARY INTERCONNECT."

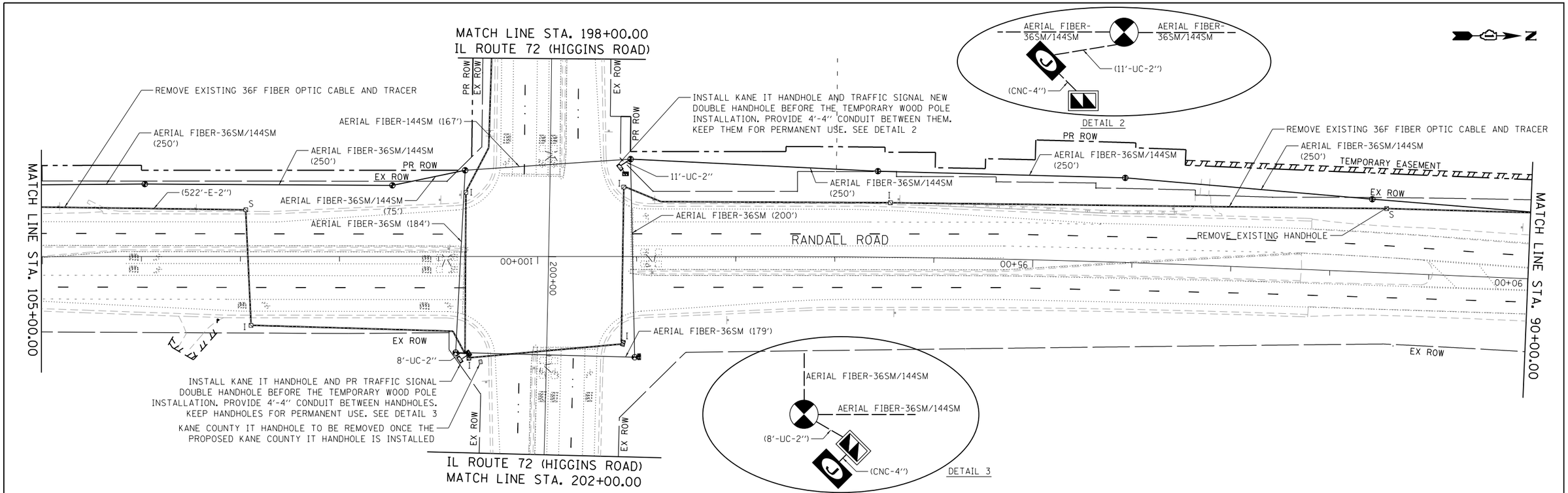
EXISTING INTERCONNECT TRACER CABLE TO BE PULLED BACK TO THE LIMITS ABOVE. ITS REMOVAL TO BE PAID FOR AS "REMOVE ELECTRICAL CABLE FROM CONDUIT."

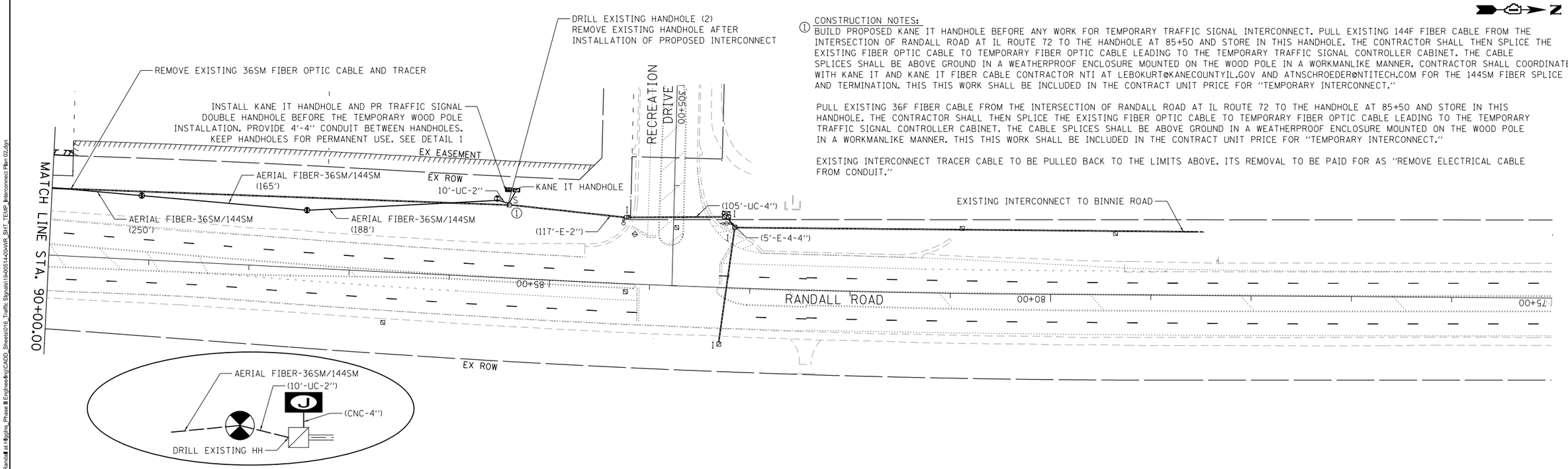
KDOT SYSTEM

MODEL: Default
FILE NAME: R0094-088 Randall at Higgins_Phase II Engineering\CADD_Sheets\019_Traffic Signals\19-00514-00-WR_SHT_TEMP_Interconnect Plan 01.dgn

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) TEMPORARY INTERCONNECT PLANS
		DRAWN - TN	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - GJE	REVISED -		
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 105+00.00 TO STA. 120+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	175
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		





CONSTRUCTION NOTES:

① BUILD PROPOSED KANE IT HANDHOLE BEFORE ANY WORK FOR TEMPORARY TRAFFIC SIGNAL INTERCONNECT. PULL EXISTING 144F FIBER CABLE FROM THE INTERSECTION OF RANDALL ROAD AT IL ROUTE 72 TO THE HANDHOLE AT 85+50 AND STORE IN THIS HANDHOLE. THE CONTRACTOR SHALL THEN SPLICE THE EXISTING FIBER OPTIC CABLE TO TEMPORARY FIBER OPTIC CABLE LEADING TO THE TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET. THE CABLE SPLICES SHALL BE ABOVE GROUND IN A WEATHERPROOF ENCLOSURE MOUNTED ON THE WOOD POLE IN A WORKMANLIKE MANNER. CONTRACTOR SHALL COORDINATE WITH KANE IT AND KANE IT FIBER CABLE CONTRACTOR NTI AT LEBOKURT@KANECOUNTYIL.GOV AND ATNSCHROEDER@NTITECH.COM FOR THE 144SM FIBER SPLICE AND TERMINATION. THIS THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "TEMPORARY INTERCONNECT."

PULL EXISTING 36F FIBER CABLE FROM THE INTERSECTION OF RANDALL ROAD AT IL ROUTE 72 TO THE HANDHOLE AT 85+50 AND STORE IN THIS HANDHOLE. THE CONTRACTOR SHALL THEN SPLICE THE EXISTING FIBER OPTIC CABLE LEADING TO THE TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET. THE CABLE SPLICES SHALL BE ABOVE GROUND IN A WEATHERPROOF ENCLOSURE MOUNTED ON THE WOOD POLE IN A WORKMANLIKE MANNER. THIS THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "TEMPORARY INTERCONNECT."

EXISTING INTERCONNECT TRACER CABLE TO BE PULLED BACK TO THE LIMITS ABOVE. ITS REMOVAL TO BE PAID FOR AS "REMOVE ELECTRICAL CABLE FROM CONDUIT."

KDOT SYSTEM

MODEL: Default
FILE NAME: W:\0904-068 Randall at I Higgins_Phase II Engineering\CADD_Sheets\01b_Traffic Signals\19-00514-00-WR_SHT_TEMP_Interconnect Plan 02.dgn

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -
		DRAWN - TN	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - GJE	REVISED -
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -

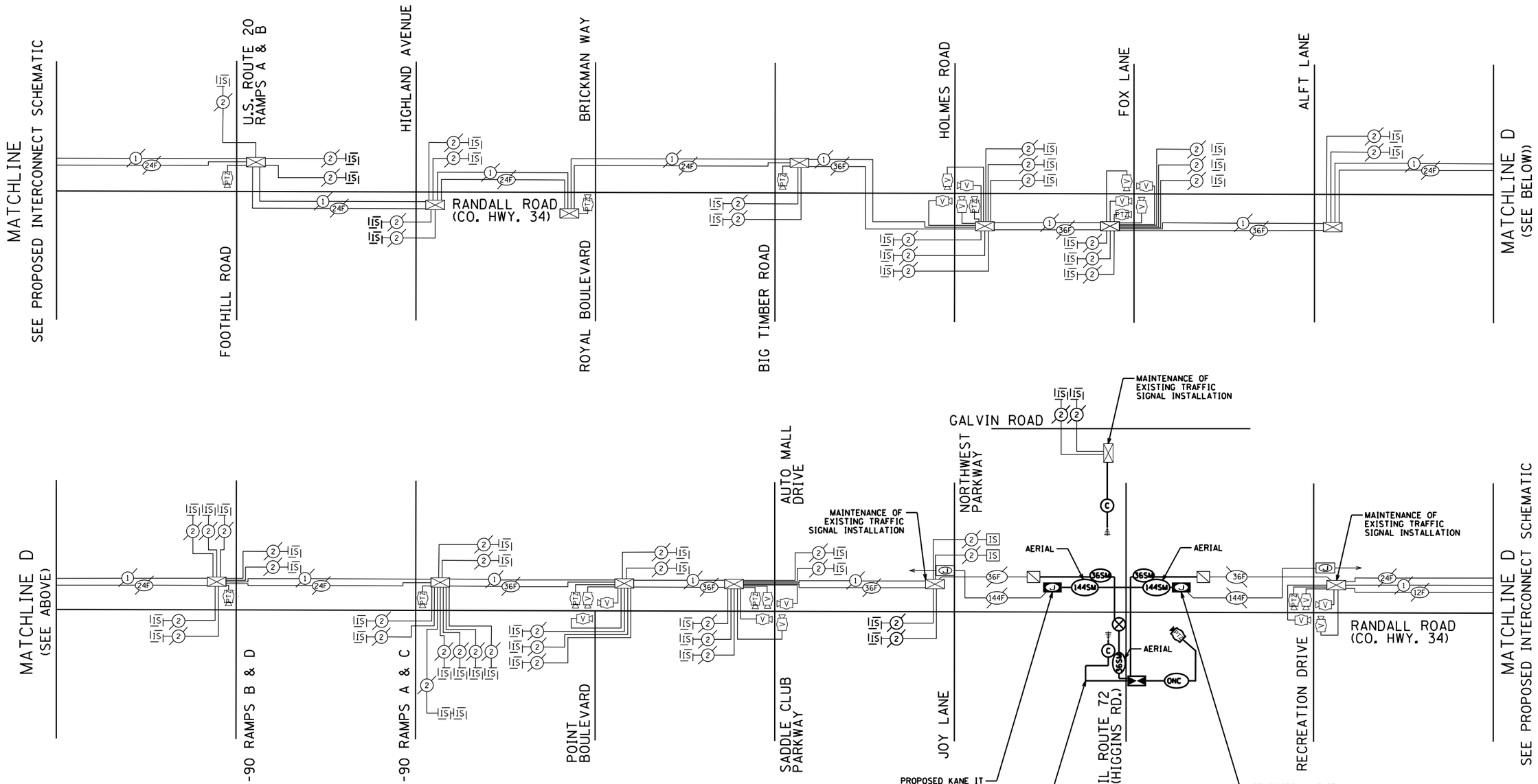
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
TEMPORARY INTERCONNECT PLANS

SCALE: 1"=50' | SHEET 2 OF 2 SHEETS | STA. 75+00.00 TO STA. 101+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	176
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		

J KANE I.T. HH 36"X60"X36" WITH TIER, LABEL: "KANE INFORMATION TECHNOLOGY" WITH 1-4" CONDUIT TO TRAFFIC SIGNAL HH.



CONSTRUCTION NOTES:

BUILD PROPOSED KANE IT HANDHOLE BEFORE ANY WORK FOR TEMPORARY TRAFFIC SIGNAL INTERCONNECT. PULL EXISTING 144F FIBER CABLE FROM THE INTERSECTION OF RANDALL ROAD AT IL ROUTE 72 TO THE HANDHOLE AT 85+50 AND 114+50 AND STORE IN THIS HANDHOLE. THE CONTRACTOR SHALL THEN SPLICE THE EXISTING FIBER OPTIC CABLE TO TEMPORARY FIBER OPTIC CABLE LEADING TO THE TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET. THE CABLE SPLICES SHALL BE ABOVE GROUND IN A WEATHERPROOF ENCLOSURE MOUNTED ON THE WOOD POLE IN A WORKMANLIKE MANNER. CONTRACTOR SHALL COORDINATE WITH KANE IT AND KANE IT FIBER CABLE CONTRACTOR NTI AT LEBOKURT@KANECOUNTYIL.GOV AND ATNSCHROEDER@NTITECH.COM FOR THE 144F FIBER SPLICE AND TERMINATION. THIS THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "TEMPORARY INTERCONNECT."

PULL EXISTING 36SM FIBER CABLE FROM THE INTERSECTION OF RANDALL ROAD AT IL ROUTE 72 TO THE HANDHOLE AT 85+50 AND 114+50 AND STORE IN THIS HANDHOLE. THE CONTRACTOR SHALL THEN SPLICE THE EXISTING FIBER OPTIC CABLE TO TEMPORARY FIBER OPTIC CABLE LEADING TO THE TEMPORARY TRAFFIC SIGNAL CONTROLLER CABINET. THE CABLE SPLICES SHALL BE ABOVE GROUND IN A WEATHERPROOF ENCLOSURE MOUNTED ON THE WOOD POLE IN A WORKMANLIKE MANNER. THIS THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "TEMPORARY INTERCONNECT."

EXISTING INTERCONNECT TRACER CABLE REMOVAL TO BE PAID FOR AS "REMOVE ELECTRICAL CABLE FROM CONDUIT."

KDOT SYSTEM

MODEL: Default
FILE NAME: W:\8894-088 Randall at Higgins Phase II Engineering\CADD_Sheets\016_Traffic Signals\15-00514-00-WR_SHT_TEMP_Interconnect Schematic.dgn

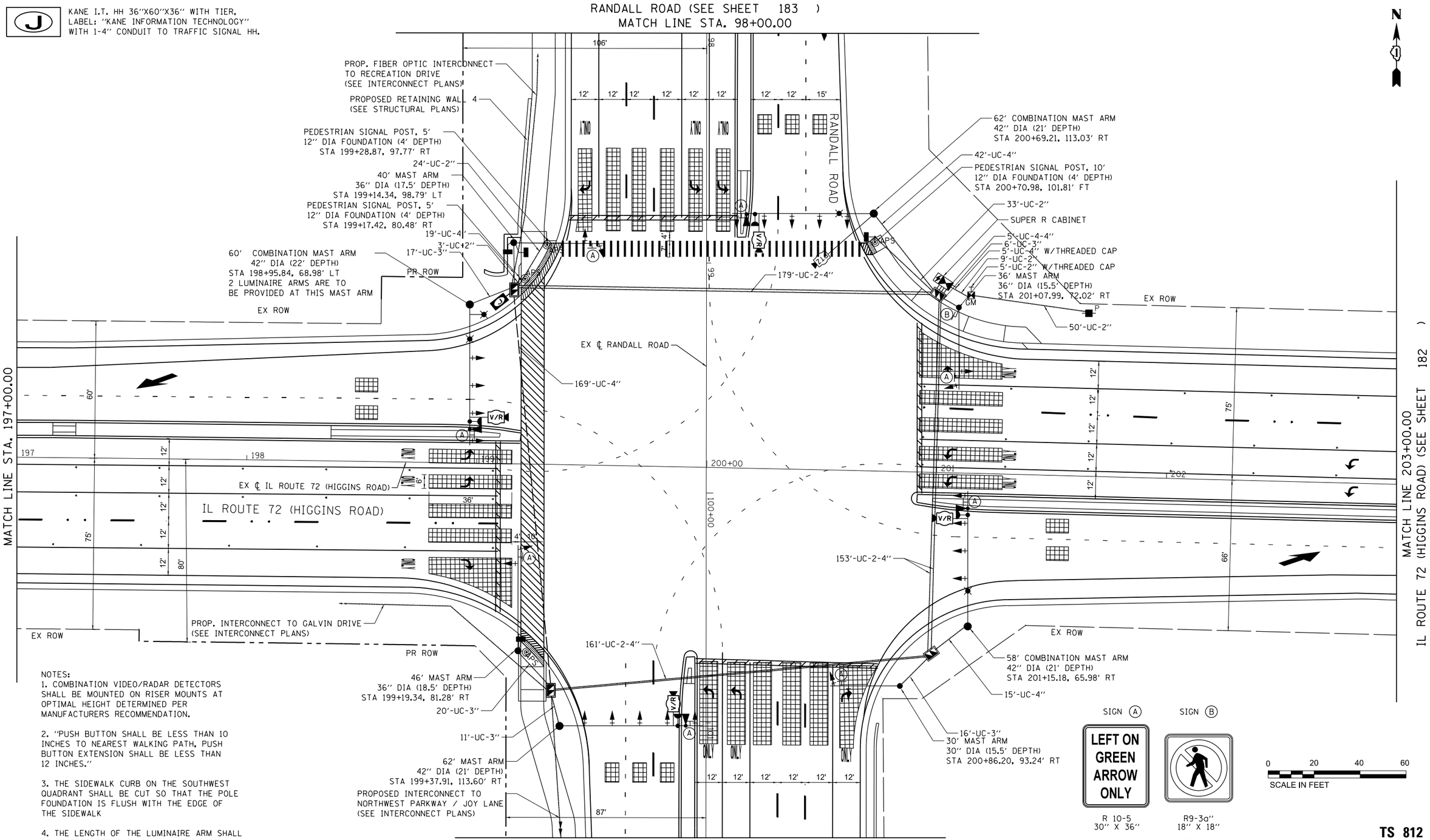
BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) TEMP INTERCONNECT SCHEMATIC
		DRAWN - TN	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - GJE	REVISED -		
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -		SCALE: NTS SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	177
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		

TEMPORARY TRAFFIC SIGNAL NOTES

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR WHICH THE EXCEPTION OF THE EXISTING LAYER 2 SWITCH WHICH IS TO BE RELOCATED TO THE TEMPORARY SIGNAL.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURES WILL BE APPROVED FOR USE AT TEMPORARY SIGNALS LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER CABINET TO THE SIGNAL HEAD.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12" (300MM). HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
6. UNITERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNALS, TEMPORARY TRAFFIC SIGNALS AT RAILROADS INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
7. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION, RELOCATION OF THE EXISTING PTZ TO TEMPORARY SIGNAL INSTALLATION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.
8. TRAFFIC SINGAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERTAION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SINGALS SHALL BE INCLUDED FOR APPROACHES OF THE INTERSECTTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. ANY TEMPORARY TRAFFIC SECTIONS NOT IN USE DURING A STAGE OF CONSTURCTION SHALL BE BAGGED AND DEACTIVATED. ALL PERMANENT TRAFFIC SIGNAL SECTIONS SHALL BE BAGGED OR REMOVED WHILE THE TEMPORARY TRAFFIC SIGNAL IS OPERATION. ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
11. THE CONTRACTOR MUST PROVIDE ASSURANCE THAT THE RADIO DEVICE WILL OPERATE PROPERLY AT ALL TIMES AND DURING ALL CONSTUCTION STAGES. IF WIRELESS INTERCONNECT FAILS DURING TESTING OR OPERATION, CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING NECESSARY POLES, FIBER OPTIC CABLE AND OTHER INFRASTRUCTURE FOR PROVIDING TEMPORARY FIBER INTERCONNECT AT NO COST TO THE CONTRACT.
12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH AND COMPENSATE KANE COUNTY'S FIBER OPTIC CONTRACTOR-NTI NATIONAL TECHNOLOGIES, WHICH INCLUDE ALL TIME, MATERIAL, SPLICES AND TERMINATION ASSIGNMENTS WITH KANE COUNTY'S FIBER OPTIC CONTRACTOR TO MAKE THE TEMPORARY KANE IT INTERCONNECT OR AS OUTLINED IN THE PLANS OR SPECIFICATIONS.
13. CONTRACTOR SHALL COORDIANTE WITH KANE IT AND KANE IT FIBER CABLE CONTRACTOR NTI AT LEBORKURT@KANECOUNTYIL.GOV AND ATNSCHROEDER@NTITECH.COM FOR THE FIBER SPICE AND TERMINATION.

KANE I.T. HH 36"X60"X36" WITH TIER, LABEL: "KANE INFORMATION TECHNOLOGY" WITH 1-4" CONDUIT TO TRAFFIC SIGNAL HH.



NOTES:

1. COMBINATION VIDEO/RADAR DETECTORS SHALL BE MOUNTED ON RISER MOUNTS AT OPTIMAL HEIGHT DETERMINED PER MANUFACTURERS RECOMMENDATION.

2. "PUSH BUTTON SHALL BE LESS THAN 10 INCHES TO NEAREST WALKING PATH, PUSH BUTTON EXTENSION SHALL BE LESS THAN 12 INCHES."

3. THE SIDEWALK CURB ON THE SOUTHWEST QUADRANT SHALL BE CUT SO THAT THE POLE FOUNDATION IS FLUSH WITH THE EDGE OF THE SIDEWALK

4. THE LENGTH OF THE LUMINAIRE ARM SHALL BE 15 FEET PER THE HIGHWAY STANDARD

TRAFFIC SIGNAL EQUIPMENT AT THIS INTERSECTION SHALL BE ECONOLITE TO MATCH THE SIGNAL EQUIPMENT AT IL ROUTE 72 AND GALVIN ROAD

TS 812
FL 762
FL 763
KDOT SYSTEM

MODEL: Default
FILE NAME: W:\884-098 Randall at Higgins_Phase II Engineering\CADD_Sheets\016_Traffic Signals\19-00514-00-WR_SHT_Traffic Signals_001.dgn

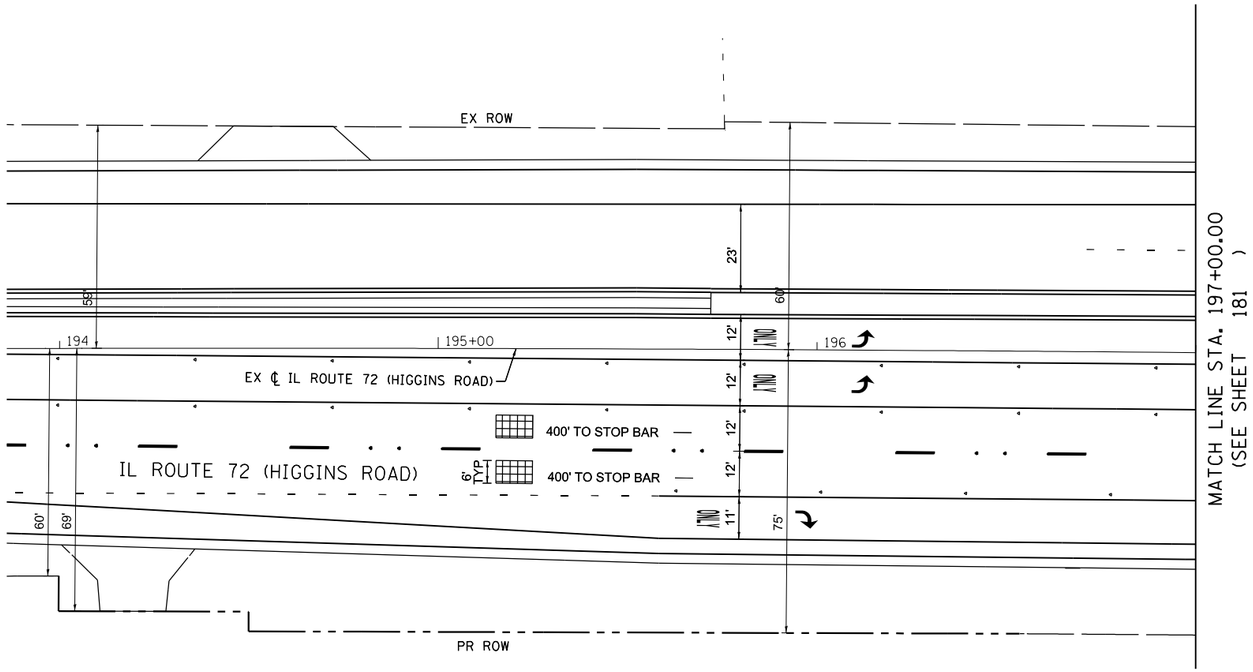
BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -
		DRAWN - TN	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -

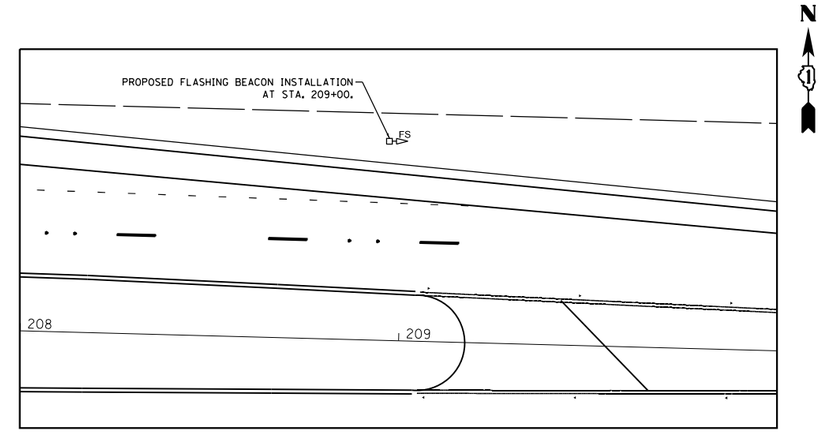
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

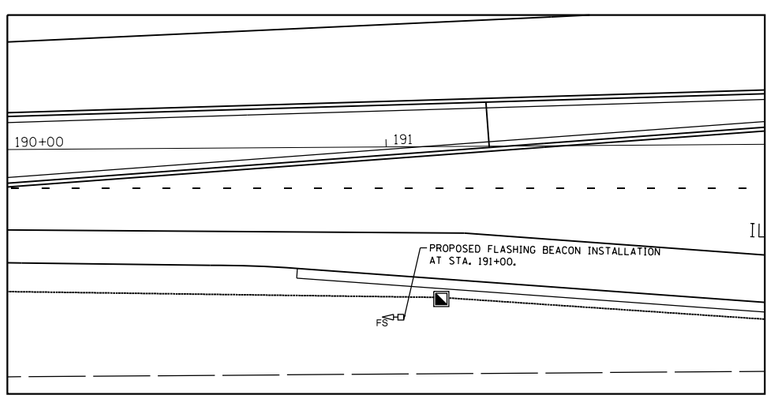
TRAFFIC SIGNAL INSTALLATION PLAN (SHEET 1 OF 3)
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)

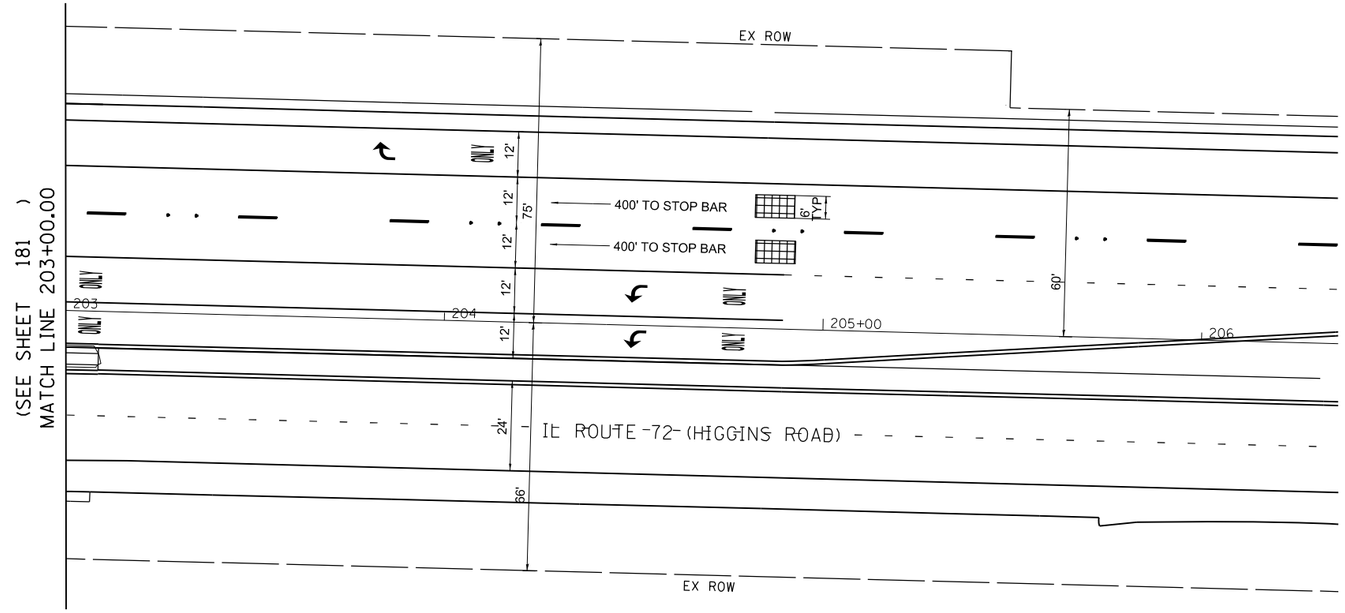
SCALE: 1"=20' | SHEET 1 OF 4 SHEETS | STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	179
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		









0 20 40 60
SCALE IN FEET

TRAFFIC SIGNAL EQUIPMENT AT THIS INTERSECTION
SHALL BE ECONOLITE TO MATCH THE SIGNAL
EQUIPMENT AT IL ROUTE 72 AND GALVIN ROAD

TS 812
FL 762
FL 763
KDOT SYSTEM

MODEL: Default
FILE NAME: V:\1894-088 Randall at Higgins_Phase II Engineering\CADD_Sheets\016_Traffic Signals\19-00514-00-WR_SHT_Traffic Signals_001.dgn

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL INSTALLATION PLAN (SHEET 2 OF 3) RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
		DRAWN - TN	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -		
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=20' SHEET 2 OF 4 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	180
		CONTRACT NO. 61L28		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL EQUIPMENT AT THIS INTERSECTION SHALL BE ECONOLITE TO MATCH THE SIGNAL EQUIPMENT AT IL ROUTE 72 AND GALVIN ROAD

TS 812
FL 762
FL 763
KDOT SYSTEM

MODEL: Default
FILE NAME: W:\894-008 Randall at Higgins_Phase II Engineering\CADD_Sheets\016_Traffic Signals\19-00514-00-WR_SHT_Traffic Signals_001.dgn

BLA, Inc.

USER NAME = tnestor	DESIGNED - TN	REVISED -	
	DRAWN - TN	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -	
PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -	

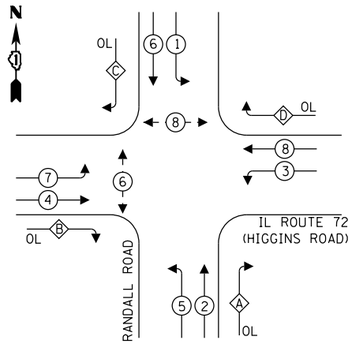
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN (SHEET 3 OF 3)
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)

SCALE: 1"=20' | SHEET 3 OF 4 SHEETS | STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	181
		CONTRACT NO. 61L28		
	ILLINOIS FED. AID PROJECT			

PROPOSED CONTROLLER SEQUENCE



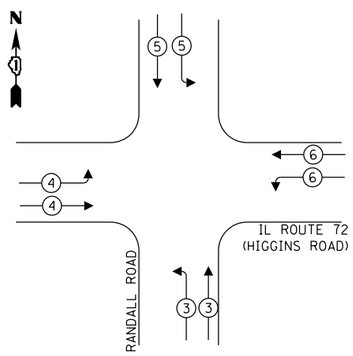
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	3
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

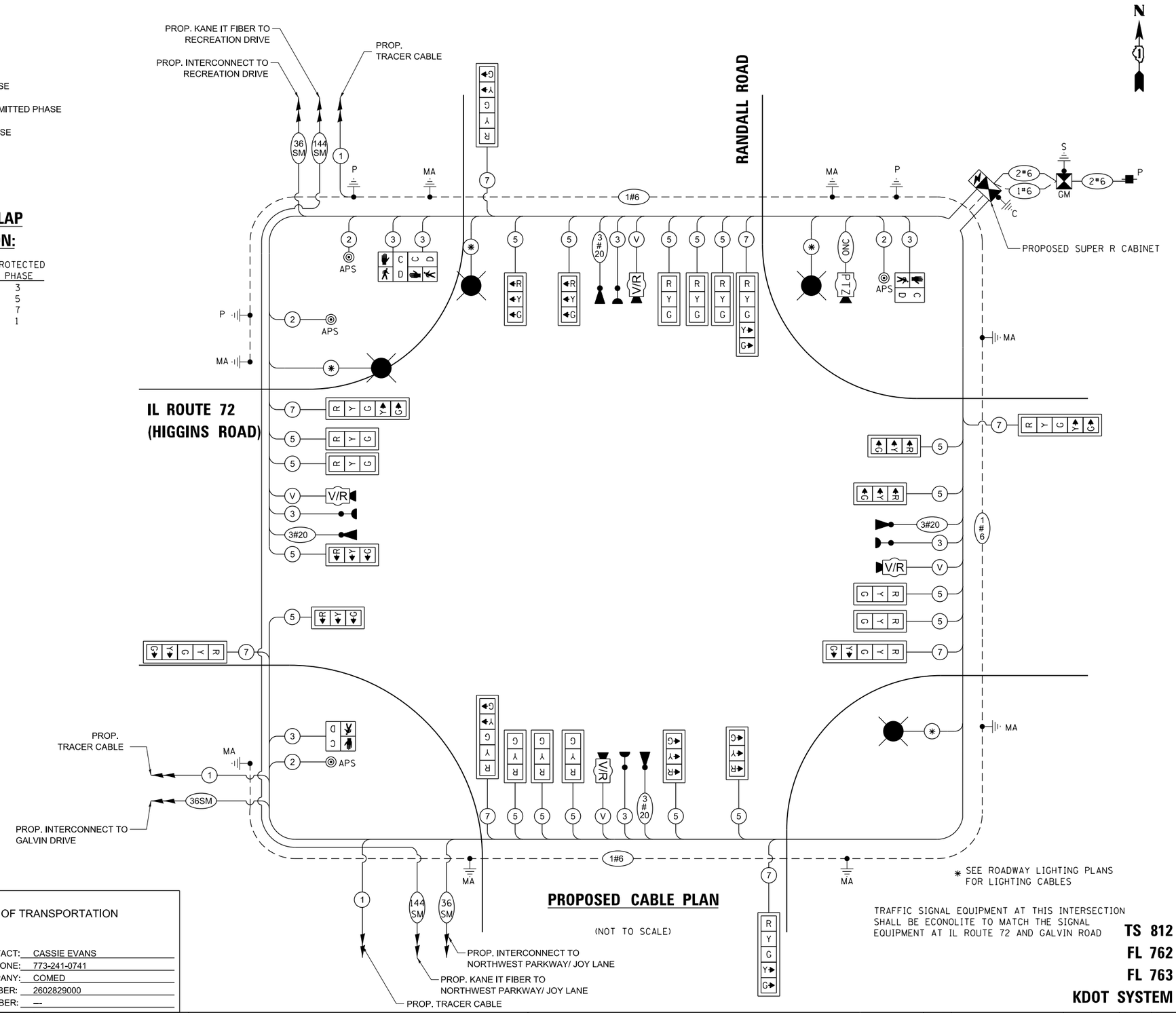


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE		QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	1 OR 3-SECTION	18	11	198
	4-SECTION	0	14	0
	5-SECTION	8	13	104
PROGRAMMABLE	3-SECTION	0	22	0
	4-SECTION	0	32	0
	5-SECTION	0	28	0
PEDESTRIAN SIGNAL		4	15	60
CONTROLLER		1	150	150
MASTER CONTROLLER		0	100	0
UPS		1	25	25
DETECTION	RADAR OR VIDEO	4	20	80
BLANK-OUT SIGN		0	25	0
NETWORK SWITCH	II OR III	1	35	35
CELLULAR MODEM		0	15	0
PTZ CAMERA		1	75	75
TOTAL UPS SIZING				727
UPS CHARGING		1	225	225
BATTERY HEATER MAT		1	180	180
CABINET HEATER		1	200	200
FLASHER		0	15	0
LED STREET NAME SIGN		0	120	0
LUMINAIRE		4	240	960
TOTAL SERVICE WIRE SIZING				2,292

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W CENTER COURT
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: CASSIE EVANS
PHONE: 773-241-0741
COMPANY: COMED
ACCOUNT NUMBER: 2602829000
METER NUMBER: ---



PROPOSED CABLE PLAN

(NOT TO SCALE)

* SEE ROADWAY LIGHTING PLANS FOR LIGHTING CABLES

TRAFFIC SIGNAL EQUIPMENT AT THIS INTERSECTION SHALL BE ECONOLITE TO MATCH THE SIGNAL EQUIPMENT AT IL ROUTE 72 AND GALVIN ROAD

TS 812
FL 762
FL 763
KDOT SYSTEM

MODEL: Default
FILE NAME: W:\894-088 Randall at 14gilns_Phase II Engineering\CADD_Sheets\016_Traffic Signals\19-00514-00\WR_SHT_Traffic Signals_001.dgn

BLA, Inc.

USER NAME = tnestor	DESIGNED - TN	REVISED -
	DRAWN - TN	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -
PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

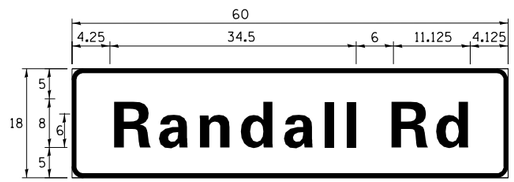
RANDALL ROAD AT IL ROUTE 72
CABLE PLAN, PHASE DESIGNATION DIAGRAM AND
EMERGENCY VEHICLE PREEMPTION SEQUENCE

SCALE: NTS | SHEET 4 OF 4 SHEETS | STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	182
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	7.5	1	ZZ	2

DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	12.50	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

	ITEM	UNIT	TOTAL QUANTITY
	SIGN PANEL - TYPE 1	SQ FT	18
	SIGN PANEL - TYPE 2	SQ FT	25
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA	FOOT	185
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA	FOOT	96
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA	FOOT	1087
	DOUBLE HANDHOLE	EACH	4
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1118
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3795
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	5241
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2450
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	79
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	817
	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, 46 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	1
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 58 FT.	EACH	1
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	1
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	4
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 30 - INCH DIAMETER	FOOT	15.5
	CONCRETE FOUNDATION, TYPE E 36 - INCH DIAMETER	FOOT	51.5
	CONCRETE FOUNDATION, TYPE E 42 - INCH DIAMETER	FOOT	64
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	18
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	8
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	26
*	LIGHT DETECTOR	EACH	4
*	LIGHT DETECTOR AMPLIFIER	EACH	1
	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
	RELOCATE EXISTING FLASHING BEACON	EACH	2
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING HANDHOLE	EACH	10
	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
*	EMERGENCY VEHICLE PRORITY SYSTEM LINE SENSOR CABLE, NO. 20 3C	FOOT	1280
	OUTDOOR RATED NETWORK CABLE	FOOT	157
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
	LAYER II (DATALINK SWITCH)	EACH	1
	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
	TEMPORARY FLASHING BEACON INSTALLATION	EACH	2
	MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION	EACH	2
	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
	UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
	FIBER OPTIC INTERCONNECT 48 PORTS	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
	LED SIGNAL FACE LENS COVER	EACH	26
	VIDEO AND RADAR HYBRID DETECTON SYSTEM	EACH	1
	INTERSECTION VIDEO TRAFFIC MONITORING SYSTEM WITH PTZ CAMERA	EACH	1
	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
	ETHERNET MANAGED SWITCH, TYPE 1	EACH	0
	REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	2

* 100% COST TO KANE COUNTY

TS 812
FL 762
FL 763
KDOT SYSTEM

MODEL: Default
FILE NAME: W:\894-088 Randall at Higgins_Phase II Engineering\CADD_Sheets\016_Traffic Signals\19-00514-00-WR_SHT_Signal_SOQ.dgn

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -
		DRAWN - TN	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - GJE	REVISED -
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

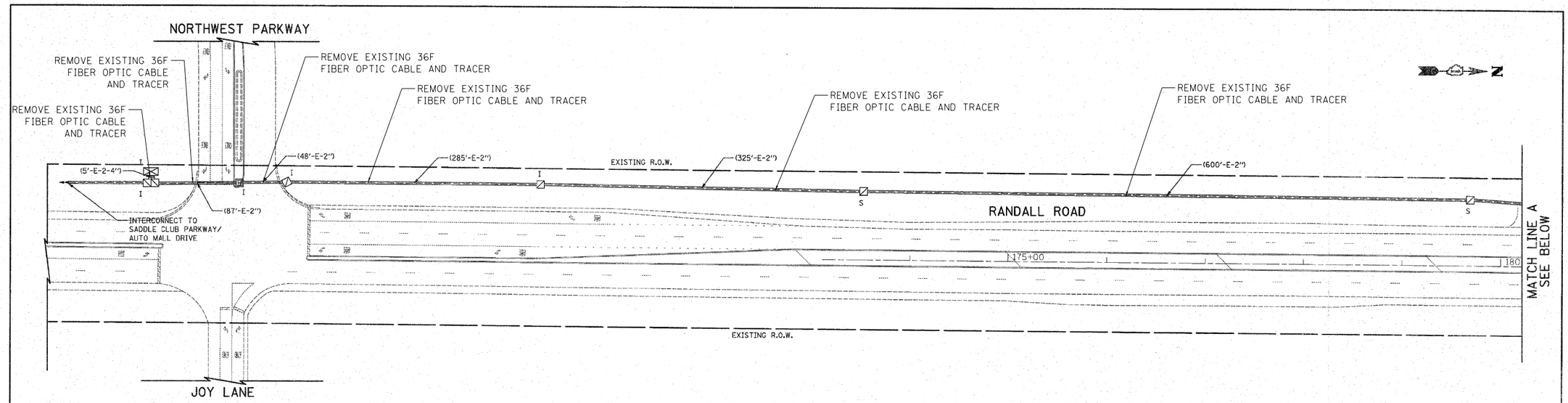
MAST ARM MOUNTED STREET NAMES SIGNS AND SCHEDULE OF QUANTITIES
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)

SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	183

CONTRACT NO. 61L28

ILLINOIS FED. AID PROJECT



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		DRAWN OJT	REVISED -			341	62-N-1	KANE	148	72
	PLOT SCALE = 50.0000 ' / in.	CHECKED JJE	REVISED -					CONTRACT NO. 60K09		
	PLOT DATE = 3/25/2011	DATE 03/25/2011	REVISED -		SCALE: 1" = 50' / SHEET NO. 1 OF 3 SHEETS / STA. / TO STA.			ILLINOIS FED. AID PROJECT		

KDOT SYSTEM

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) PROPOSED INTERCONNECT PLANS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TN	REVISED -			0336	19-00514-00-WR	KANE	304	184
	PLOT SCALE = 100.0000 ' / in.	CHECKED - GJE	REVISED -					CONTRACT NO. 61L28		
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -		SCALE: NTS / SHEET 1 OF 5 SHEETS / STA. N/A / TO STA. N/A			ILLINOIS FED. AID PROJECT		

MODEL: Default
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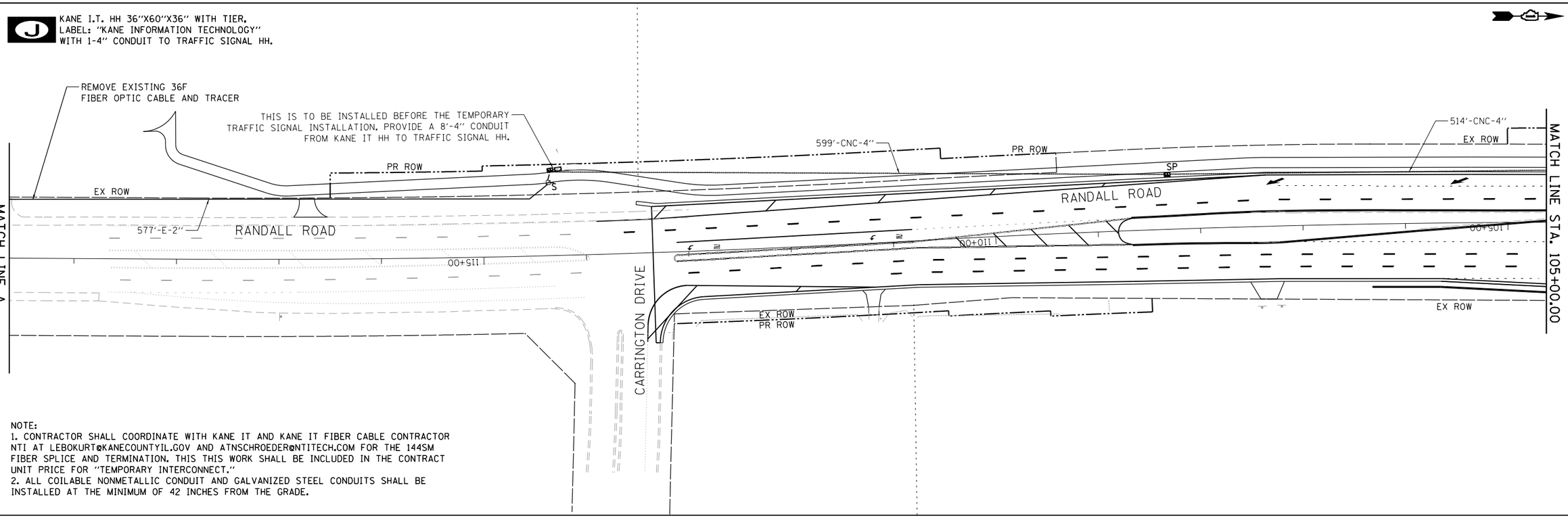


NOTE:
1. CONTRACTOR SHALL COORDINATE WITH KANE IT AND KANE IT FIBER CABLE CONTRACTOR NTI AT LEBOKURT@KANECOUNTYIL.GOV AND ATNSCHROEDER@NTITECH.COM FOR THE 144SM FIBER SPLICE AND TERMINATION. THIS THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "TEMPORARY INTERCONNECT."
2. ALL COILABLE NONMETALLIC CONDUIT AND GALVANIZED STEEL CONDUITS SHALL BE INSTALLED AT THE MINIMUM OF 42 INCHES FROM THE GRADE.

KDOT SYSTEM

MODEL: Default
FILE NAME: W:\8094-088 Randall at Higgins_Phase II Engineering\CADD_Sheets\016_Traffic Signals\19-00514-00-WR_SHT_PR_Interconnect Plan 02.dgn

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -
		DRAWN - TN	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - GJE	REVISED -
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

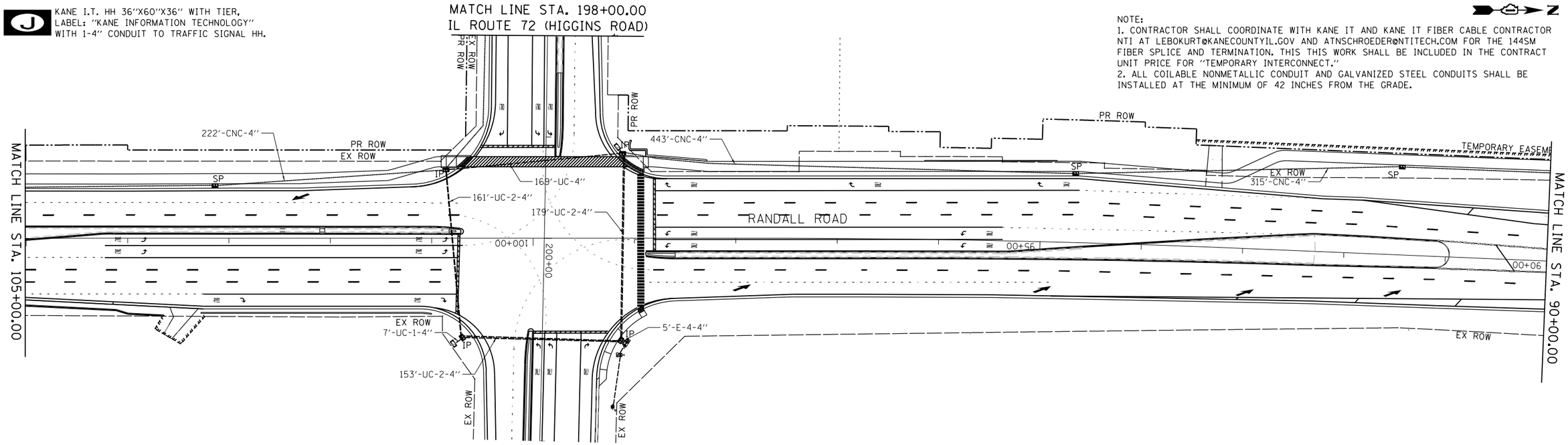
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
PROPOSED INTERCONNECT PLANS

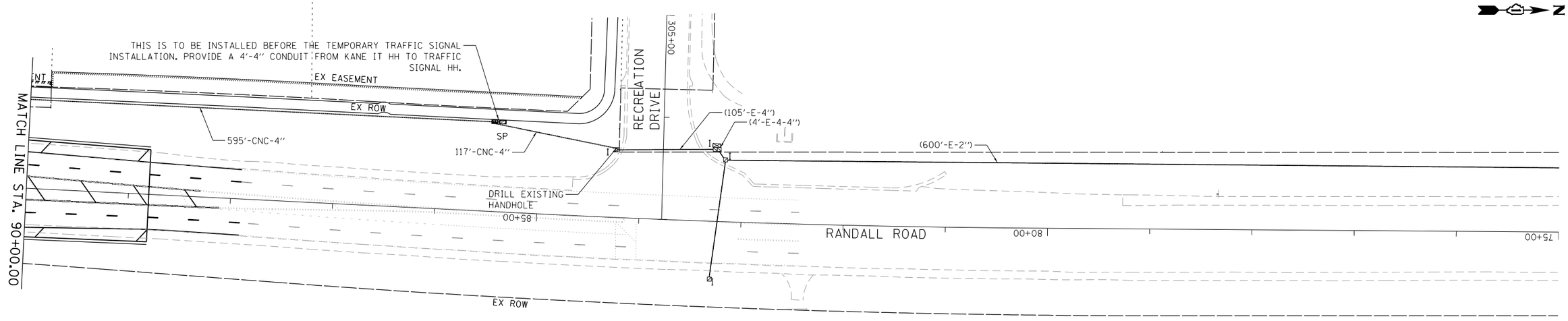
SCALE: 1"=50' | SHEET 2 OF 4 SHEETS | STA. 119+63.18 TO STA. 105+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	185
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		

J KANE I.T. HH 36"X60"X36" WITH TIER, LABEL: "KANE INFORMATION TECHNOLOGY" WITH 1-4" CONDUIT TO TRAFFIC SIGNAL HH.

NOTE:
1. CONTRACTOR SHALL COORDINATE WITH KANE IT AND KANE IT FIBER CABLE CONTRACTOR NTI AT LEBOKURT@KANECOUNTYIL.GOV AND ATNSCHROEDER@NTITECH.COM FOR THE 144SM FIBER SPLICE AND TERMINATION. THIS THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "TEMPORARY INTERCONNECT."
2. ALL COILABLE NONMETALLIC CONDUIT AND GALVANIZED STEEL CONDUITS SHALL BE INSTALLED AT THE MINIMUM OF 42 INCHES FROM THE GRADE.





KDOT SYSTEM

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) PROPOSED INTERCONNECT PLANS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TN	REVISED -			0336	19-00514-00-WR	KANE	304	186
	PLOT SCALE = 100.0000 ' / in.	CHECKED - GJE	REVISED -					CONTRACT NO. 61L28		
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -		SCALE: 1"=50' SHEET 3 OF 4 SHEETS STA. 105+00.00 TO STA. 75+00.00			ILLINOIS FED. AID PROJECT		

MODEL: Default
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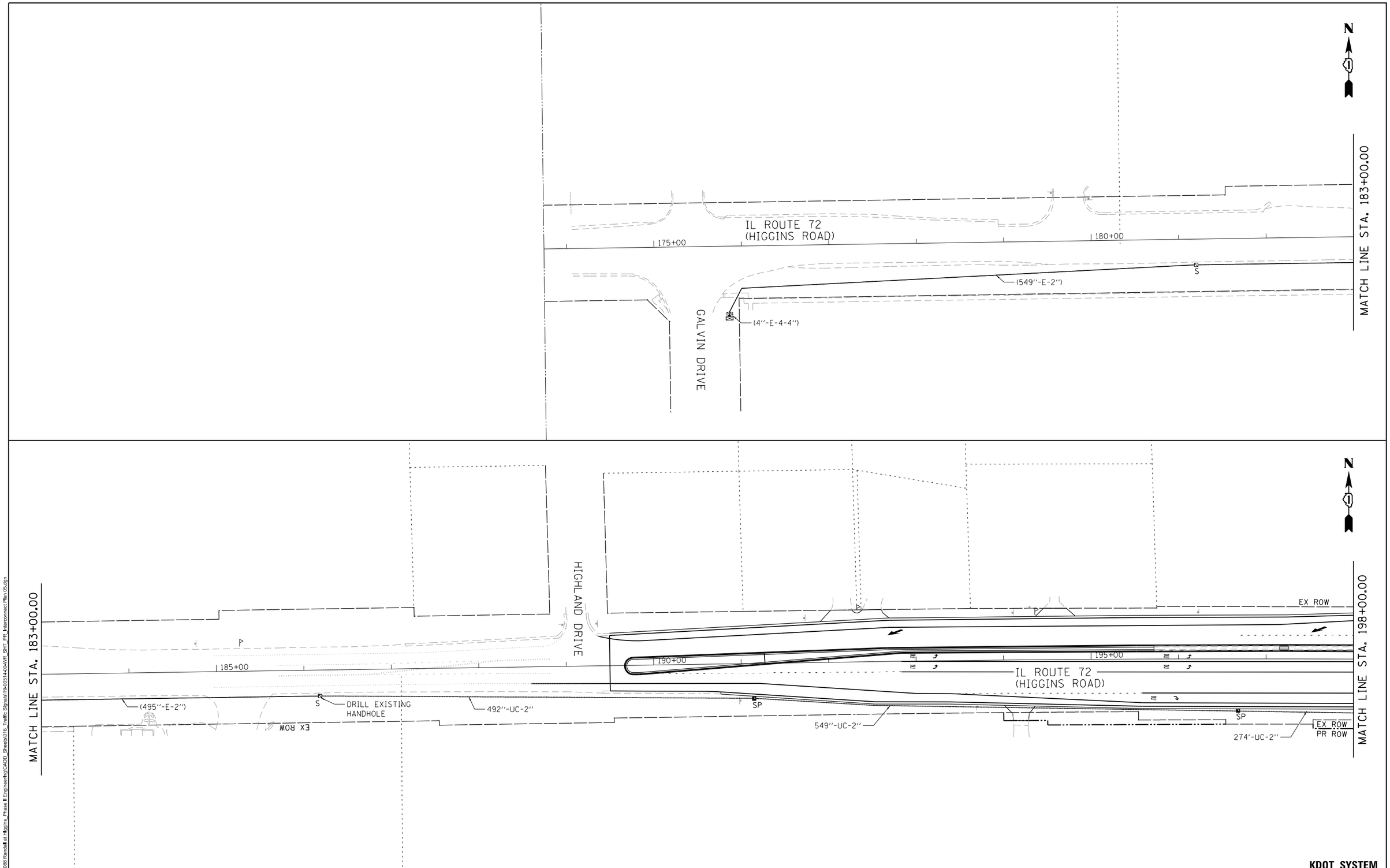


KDOT SYSTEM

MODEL: Default
FILE NAME: W:\9894-098 Randall at Higgins_Phase II Engineering\CADD_Sheets\016_Traffic Signals\19-00514-00-WR_SHT_PR_Interconnect Plan 05.dgn

BLA, Inc.

USER NAME = tnestor	DESIGNED - TN	REVISED -	
	DRAWN - TN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - GJE	REVISED -	
PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

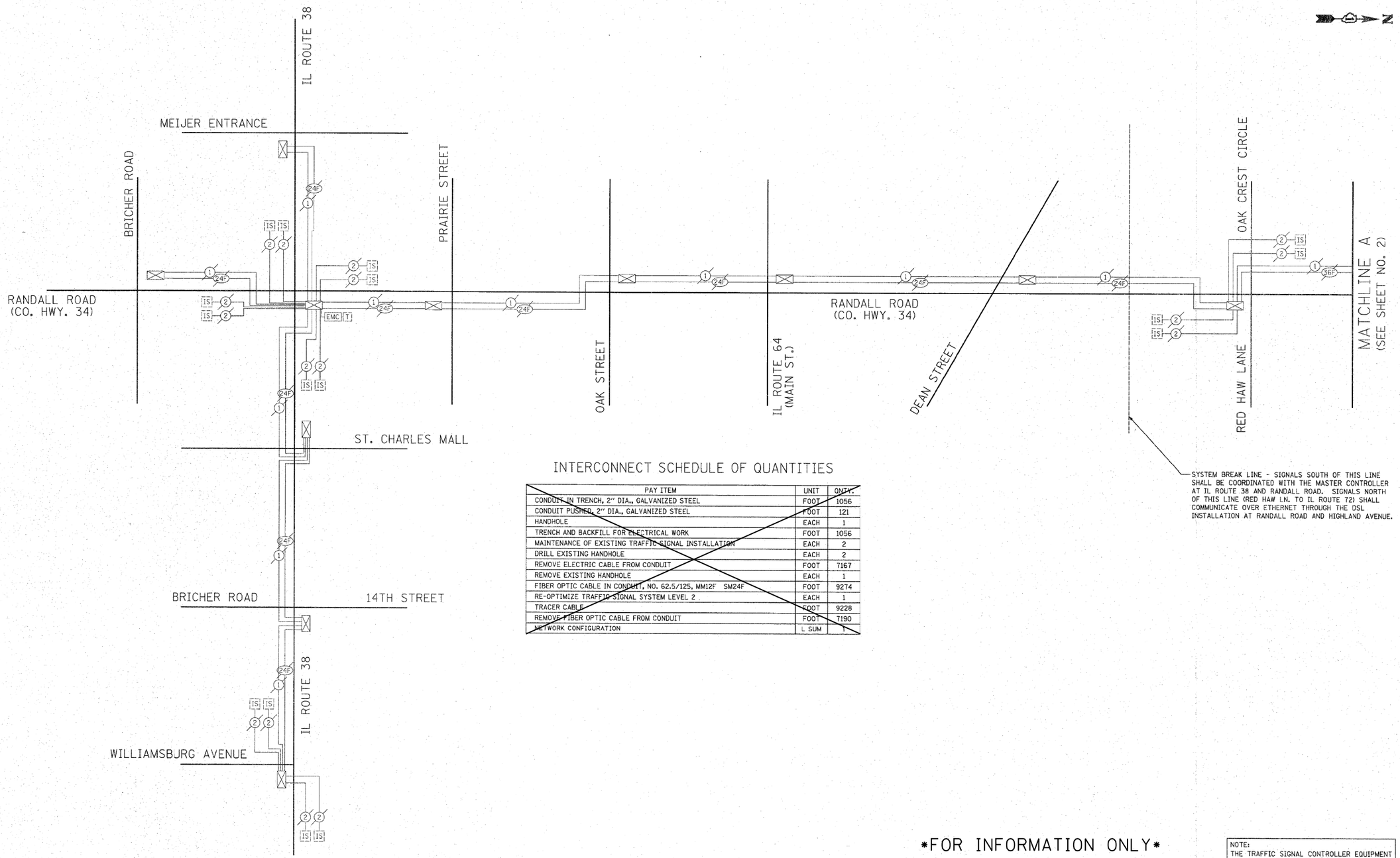
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
PROPOSED INTERCONNECT PLANS

SCALE: 1''=50' | SHEET 4 OF 4 SHEETS | STA. 175+50.00 TO STA. 198+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	187

CONTRACT NO. 61L28

ILLINOIS FED. AID PROJECT



SYSTEM BREAK LINE - SIGNALS SOUTH OF THIS LINE SHALL BE COORDINATED WITH THE MASTER CONTROLLER AT IL ROUTE 38 AND RANDALL ROAD. SIGNALS NORTH OF THIS LINE (RED HAW LN. TO IL ROUTE 72) SHALL COMMUNICATE OVER ETHERNET THROUGH THE DSL INSTALLATION AT RANDALL ROAD AND HIGHLAND AVENUE.

INTERCONNECT SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	1056
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	121
HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1056
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
DRILL EXISTING HANDHOLE	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	7167
REMOVE EXISTING HANDHOLE	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	9274
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1
TRACER CABLE	FOOT	9228
REMOVE FIBER OPTIC CABLE FROM CONDUIT	FOOT	7190
NETWORK CONFIGURATION	L SUM	1

FOR INFORMATION ONLY

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME = ...\P10008-11_Interconnect_Schematic 1.dgn	USER NAME = brd	DESIGNED BRD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT SCHEMATIC RANDALL ROAD BRICHER ROAD TO COUNTY LINE ROAD
		DRAWN OJT	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED JJE	REVISED -		
	PLOT DATE = 3/25/2011	DATE 03/25/2011	REVISED -		NOT TO SCALE · SHEET NO. 1 OF 4 SHEETS · STA. · TO STA.

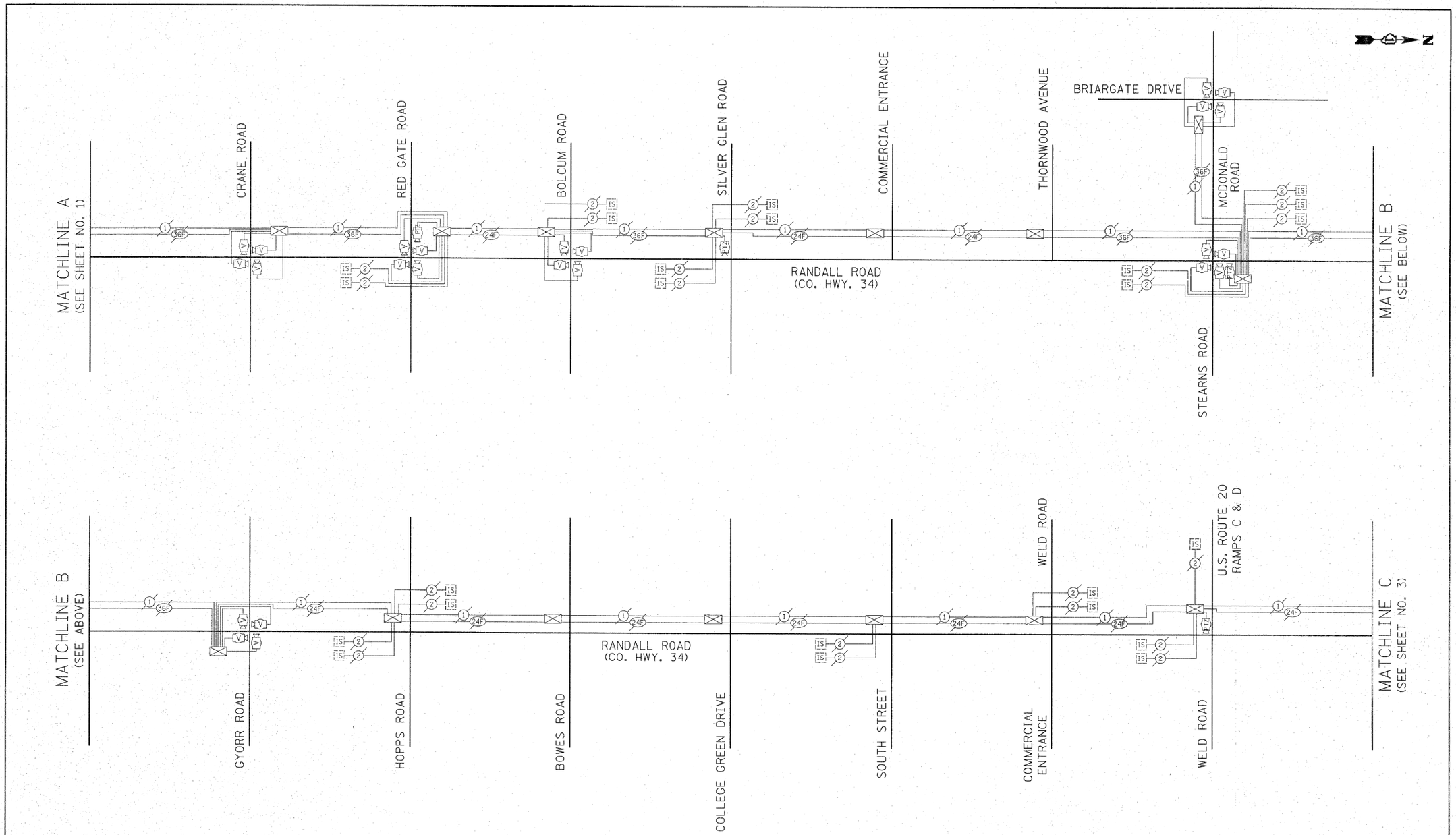
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	62-N-1	KANE	149	75
		CONTRACT NO. 60K09		
		ILLINOIS FED. AID PROJECT		

KDOT SYSTEM

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) PROPOSED INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES
		DRAWN - TN	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - GJE	REVISED -		
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -		SCALE: NTS · SHEET 1 OF 4 SHEETS · STA. N/A · TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	188
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
FILE NAME: W:\094-088 Randall at Higgins Phase II Engineering\CADD Sheets\016_Traffic Signals\19-00514-00-WR_SHT_PR_Interconnect_Schematic.dgn



FOR INFORMATION ONLY

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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		DRAWN OJT	REVISED -			341	62-N-1	KANE	148	76
	PLOT SCALE = 28.0000 ' / in.	CHECKED JJE	REVISED -					CONTRACT NO. 60K09		
	PLOT DATE = 3/23/2011	DATE 03/25/2011	REVISED -		NOT TO SCALE / SHEET NO. 2 OF 4 SHEETS / STA. / TO STA.			ILLINOIS FED. AID PROJECT		

KDOT SYSTEM

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) PROPOSED INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TN	REVISED -			0336	19-00514-00-WR	KANE	304	189
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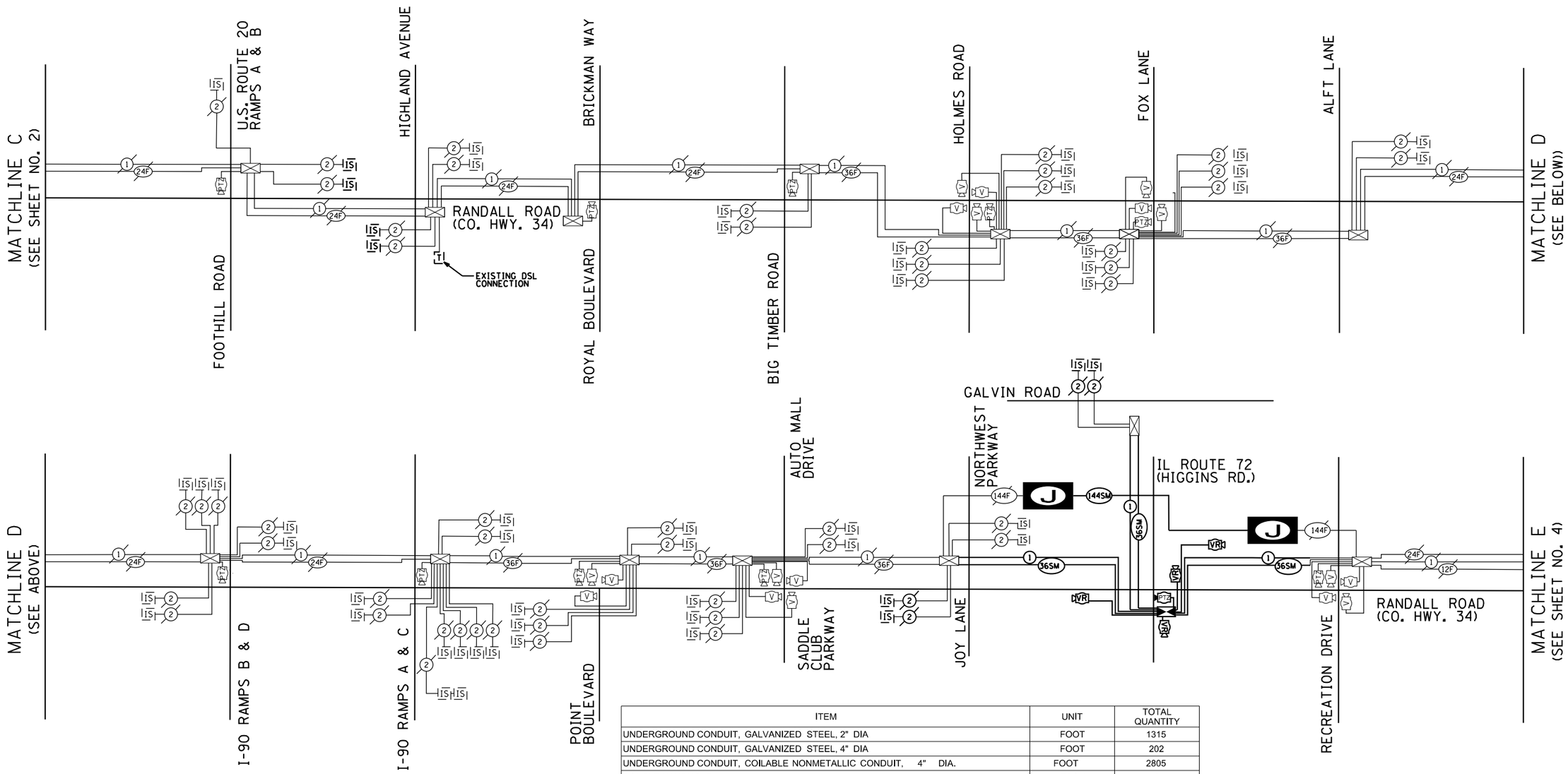
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -		SCALE: NTS / SHEET 2 OF 4 SHEETS / STA. N/A / TO STA. N/A			ILLINOIS FED. AID PROJECT		

MODEL: Default
FILE NAME: W:\6894-098 Randall at Higgins_Phase II Engineering\CADD_Sheets\19-00514-00-WR_SHT_PR_Interconnect_Schematic.dgn

J KANE I.T. HH 36"X60"X36" WITH TIER, LABEL: "KANE INFORMATION TECHNOLOGY" WITH 1-4" CONDUIT TO TRAFFIC SIGNAL HH.



ITEM	UNIT	TOTAL QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA	FOOT	1315
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA	FOOT	202
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT	2805
DOUBLE HANDHOLE	EACH	6
HANDHOLE, COMPOSITE CONCRETE	EACH	5
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3
ELECTRICCABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2807
DRILL EXISTING HANDHOLE	EACH	2
REMOVE EELECTRIC CABLE FROM CONDUIT	FOOT	13889
REMOVE EXISTING HANDHOLE	EACH	10
NETWORK CONFIGURATION	L SUM	1
TERMINATE FIBER IN CABINET	EACH	4
SPLICEFIBER IN CABINET	EACH	4
FIBER OPTIC CABLE 36 FIBERS, SINGLE MODE	FOOT	8110
FIBER OPTIC CABLE 144 FIBERS, SINGLE MODE	FOOT	3123
TEMPORARY INTERCONNECT	L SUM	1
ROD AND CLEAN EXISTING CONDUIT	EACH	1927

NOTE:
1. THE PAY ITEM OF "MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLION" HAS BEEN INCLUDED AT THE INTERSECTIONS OF RANDALL ROAD AT RECREATION DRIVE, RANDALL ROAD AT JOY LANE AND IL-72 AT GALVIN DRIVE.

2. PROPOSED KANE IT 144SM FIBER CABLE TO BE INSTALLED IN NEW INTERCONECT CONDUIT FROM STA 85+50 TO STA 144+50. THIS FIBER SHALL BYPASS THE INTERSECTION OF RANDALL ROAD AT IL ROUTE 72. SPLICES TO EXISTING KANE IT 144F FIBER TO BE COMPLETE BY KANE IT CONTRACTOR. CONTRACTOR SHALL COORDINATE WITH KANE IT AND KANE IT FIBER CABLE CONTRACTOR NTI AT LEBOKURT@KANECOUNTYIL.GOV AND ATNSCHROEDER@NTITECH.COM FOR THE 144SM FIBER SPLICE AND TERMINATION. THIS THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "TEMPORARY INTERCONNECT."

KDOT SYSTEM

MODEL: Default
FILE NAME: W:\6894-008 Randall at Higgins_Phase II Engineering\CADD_Sheets\016_Traffic Signals\19-00514-00-WR_SHT_PR_Interconnect_Schematic.dgn

BLA, Inc.

USER NAME = tnestor	DESIGNED - TN	REVISED -	
	DRAWN - TN	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - GJE	REVISED -	
PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

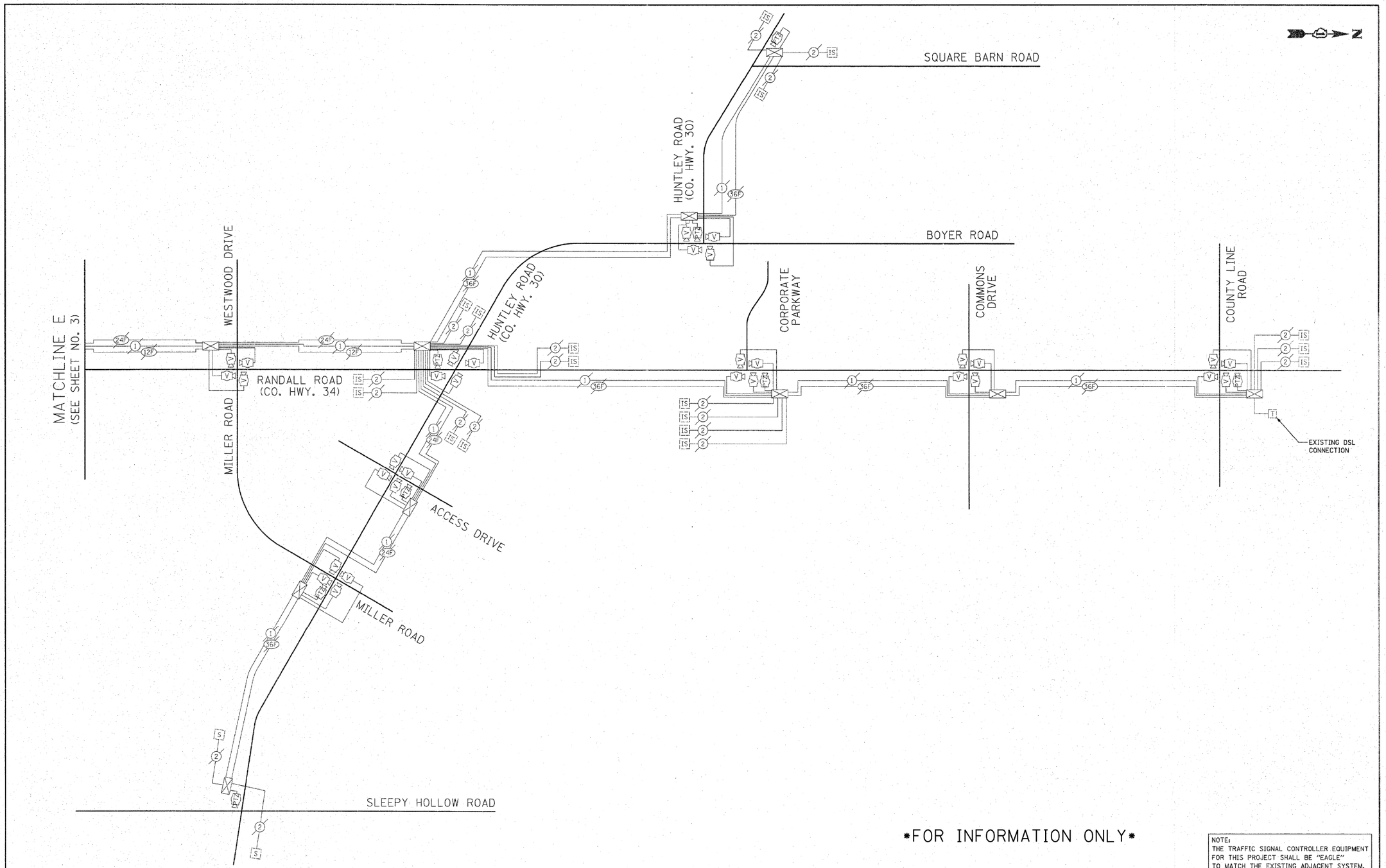
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
PROPOSED INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES

SCALE: NTS | SHEET 3 OF 4 SHEETS | STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	190

CONTRACT NO. 61L28

ILLINOIS FED. AID PROJECT



FOR INFORMATION ONLY

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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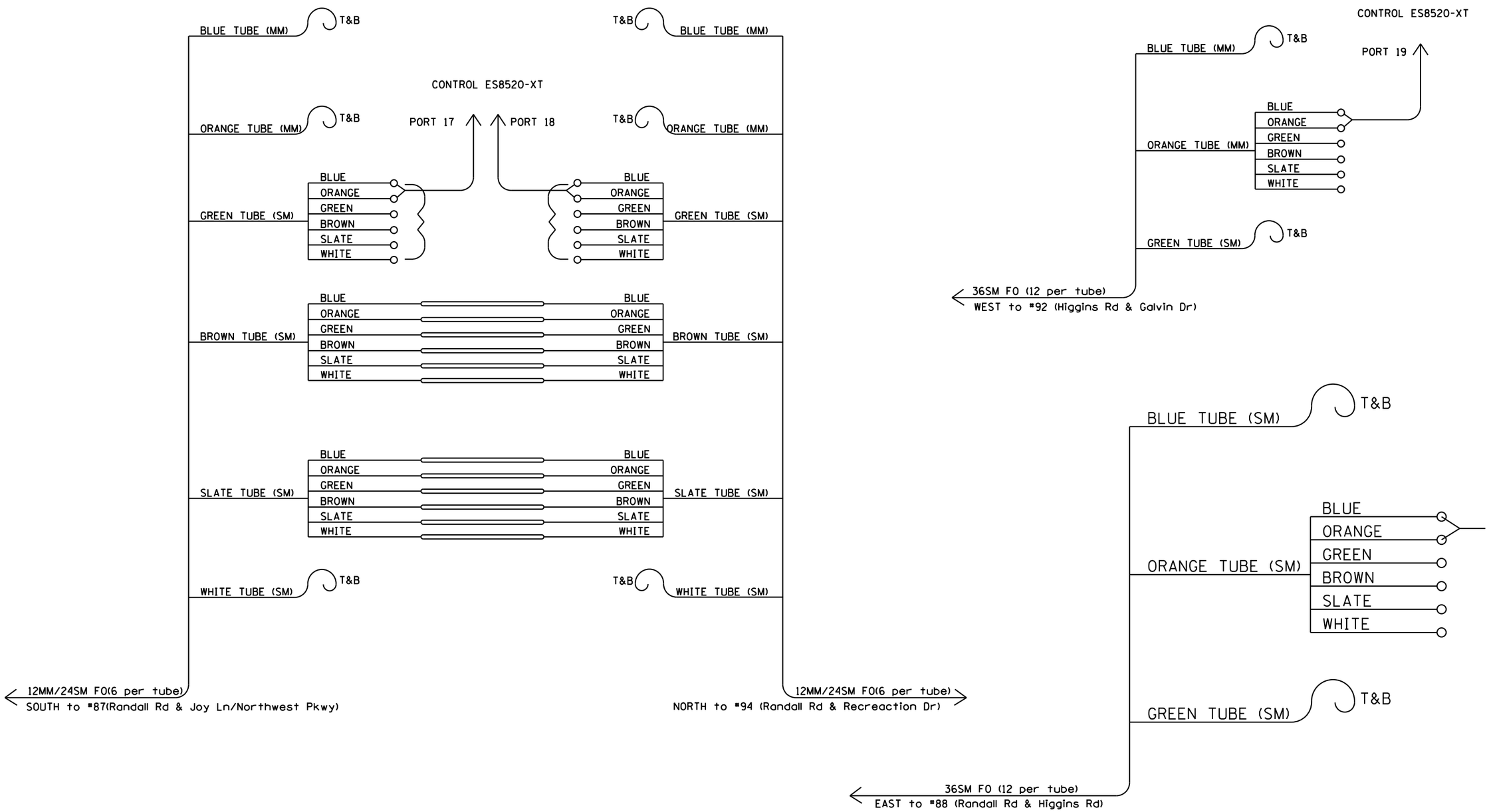
		DRAWN OJT	REVISED -			341	62-N-1	KANE	148	79
	PLOT SCALE = 20.0000 ' / in.	CHECKED JJE	REVISED -					CONTRACT NO. 60K09		
	PLOT DATE = 3/23/2011	DATE 03/25/2011	REVISED -		NOT TO SCALE / SHEET NO. 4 OF 4 SHEETS / STA. TO STA.			ILLINOIS FED. AID PROJECT		

KDOT SYSTEM

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) PROPOSED INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TN	REVISED -			0336	19-00514-00-WR	KANE	304	191
	PLOT SCALE = 100.0000 ' / in.	CHECKED - GJE	REVISED -					CONTRACT NO. 61L28		
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -		SCALE: NTS / SHEET 4 OF 4 SHEETS / STA. N/A TO STA. N/A			ILLINOIS FED. AID PROJECT		

MODEL: Default
FILE NAME: W:\094-088 Randall at Higgins_Phase II Engineering\CADD_Sheets\016_Traffic Signals\19-00514-00-WR_SHT_PR_Interconnect_Schematic.dgn

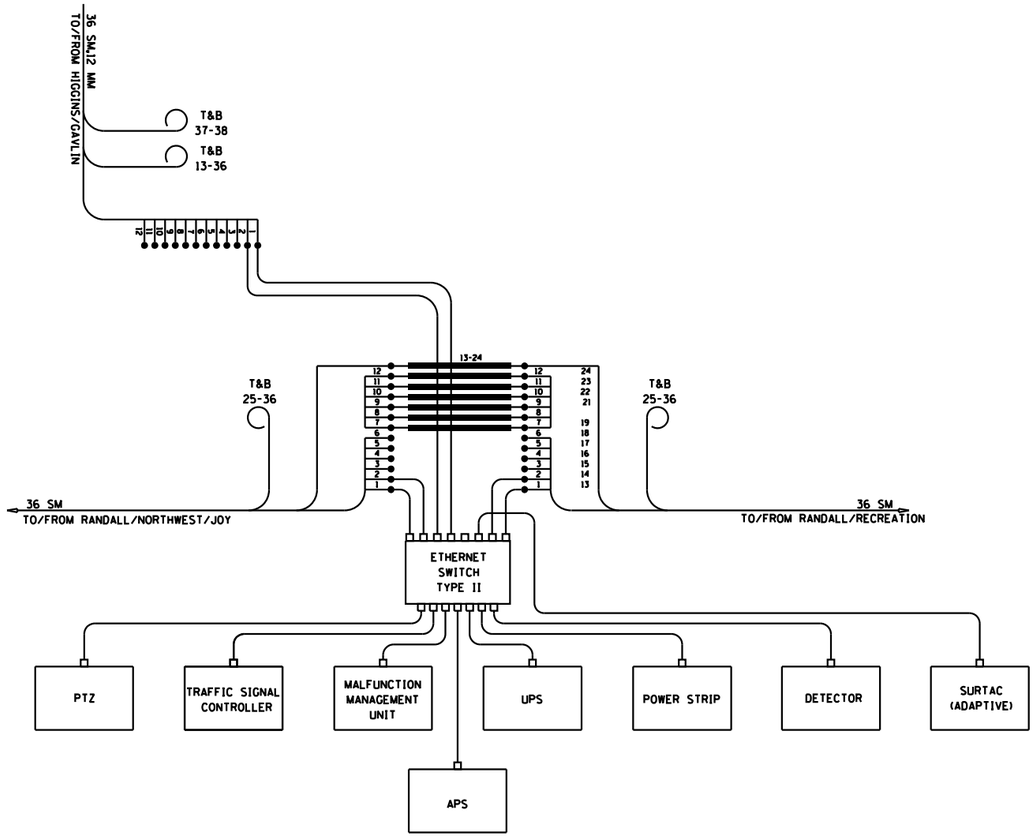


FOR INFORMATION ONLY

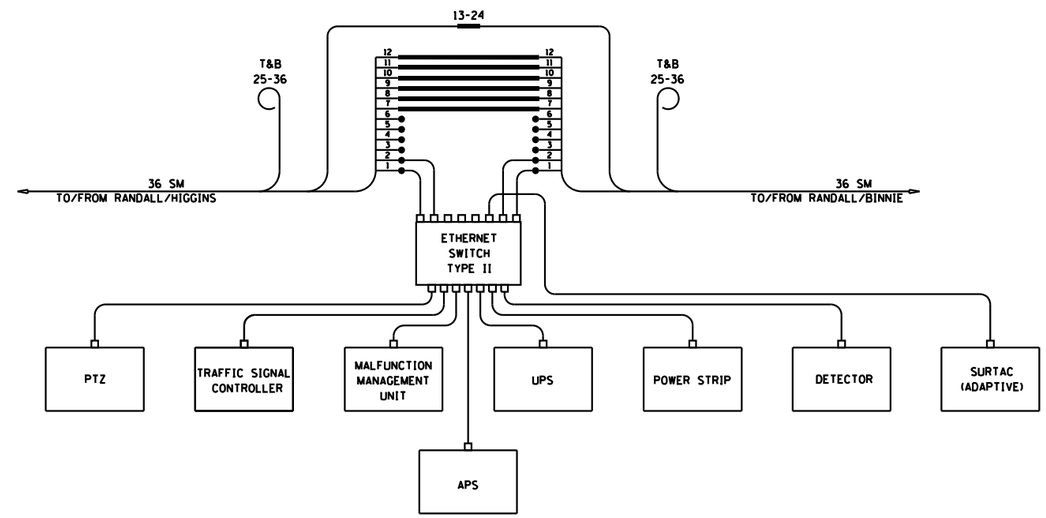
KDOT SYSTEM

MODEL: Default
FILE NAME: W:\6894-088 Randall at Higgins_Phase II Engineering\CADD_Sheets\016_Traffic Signals\19-00514-00-WR_SHT_PR_Interconnect_Schematic.dgn

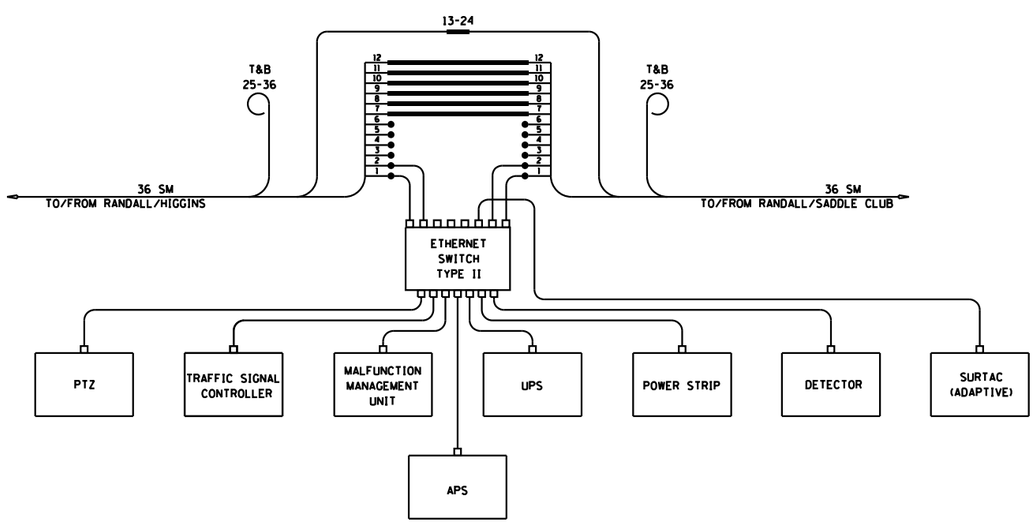
BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TN	REVISED -			0336	19-00514-00-WR	KANE	304	192
	PLOT SCALE = 100.0000 ' / in.	CHECKED - GJE	REVISED -					CONTRACT NO. 61L28		
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		



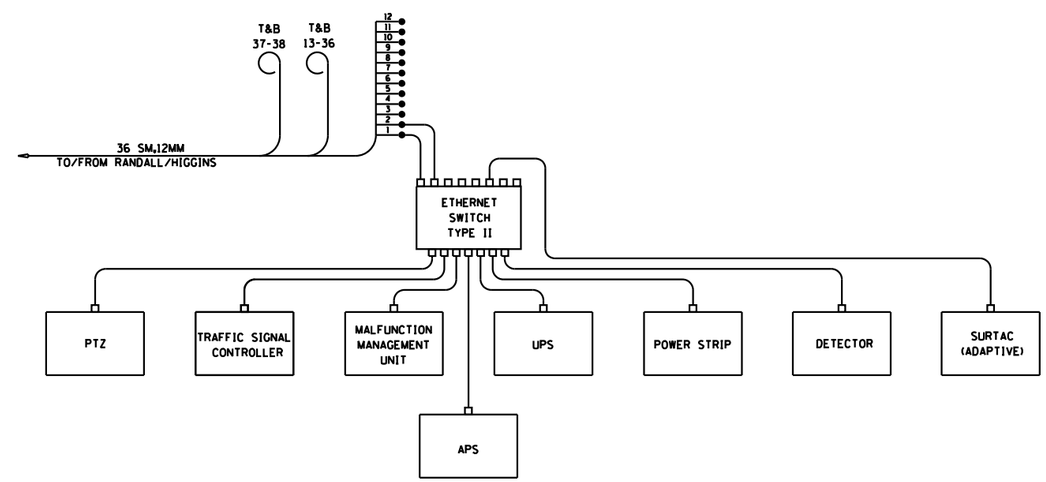
RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)



RANDALL ROAD AT RECREATION DRIVE



RANDALL ROAD AT NORTHWEST PARKWAY/JOY LANE



IL ROUTE 72 (HIGGINS ROAD) AT GALVIN ROAD

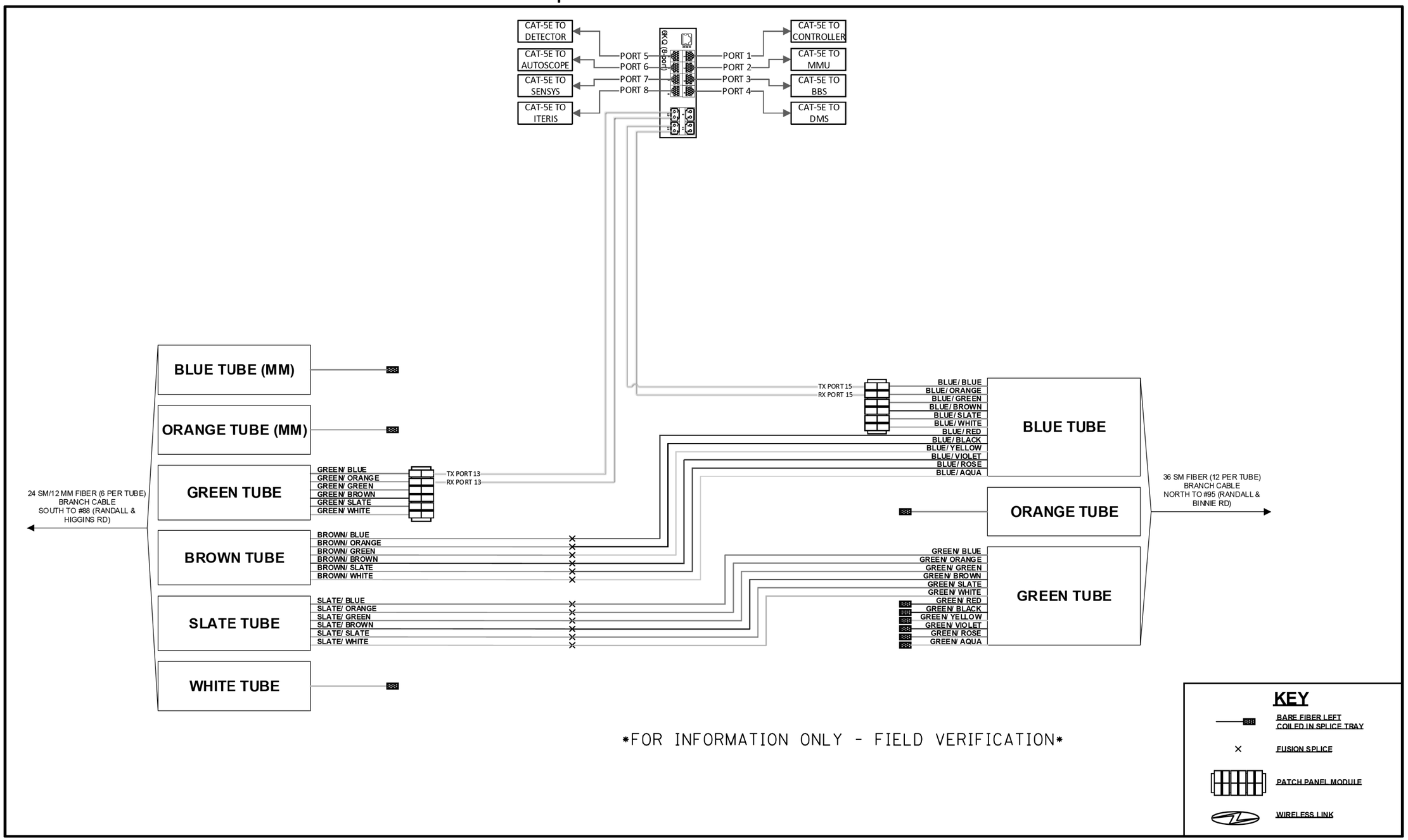
KDOT SYSTEM

MODEL: Default
FILE NAME: W:\0184-088 Randall at Higgins Phase II Engineering\CADD_Sheets\019_Traffic Signals\19-00514-00-WR_SHT_PR_Interconnect_Schemat.dgn

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD) ETHERNET SCHEMATIC	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TN	REVISED -			0336	19-00514-00-WR	KANE	304	193
	PLOT SCALE = 100.0000 ' / in.	CHECKED - GJE	REVISED -					CONTRACT NO. 61L28		
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT			

Intersection ID #94 - Randall Rd & Recreation Dr
Splice & Termination Detail

gba Systems Integrators, LLC



FOR INFORMATION ONLY - FIELD VERIFICATION

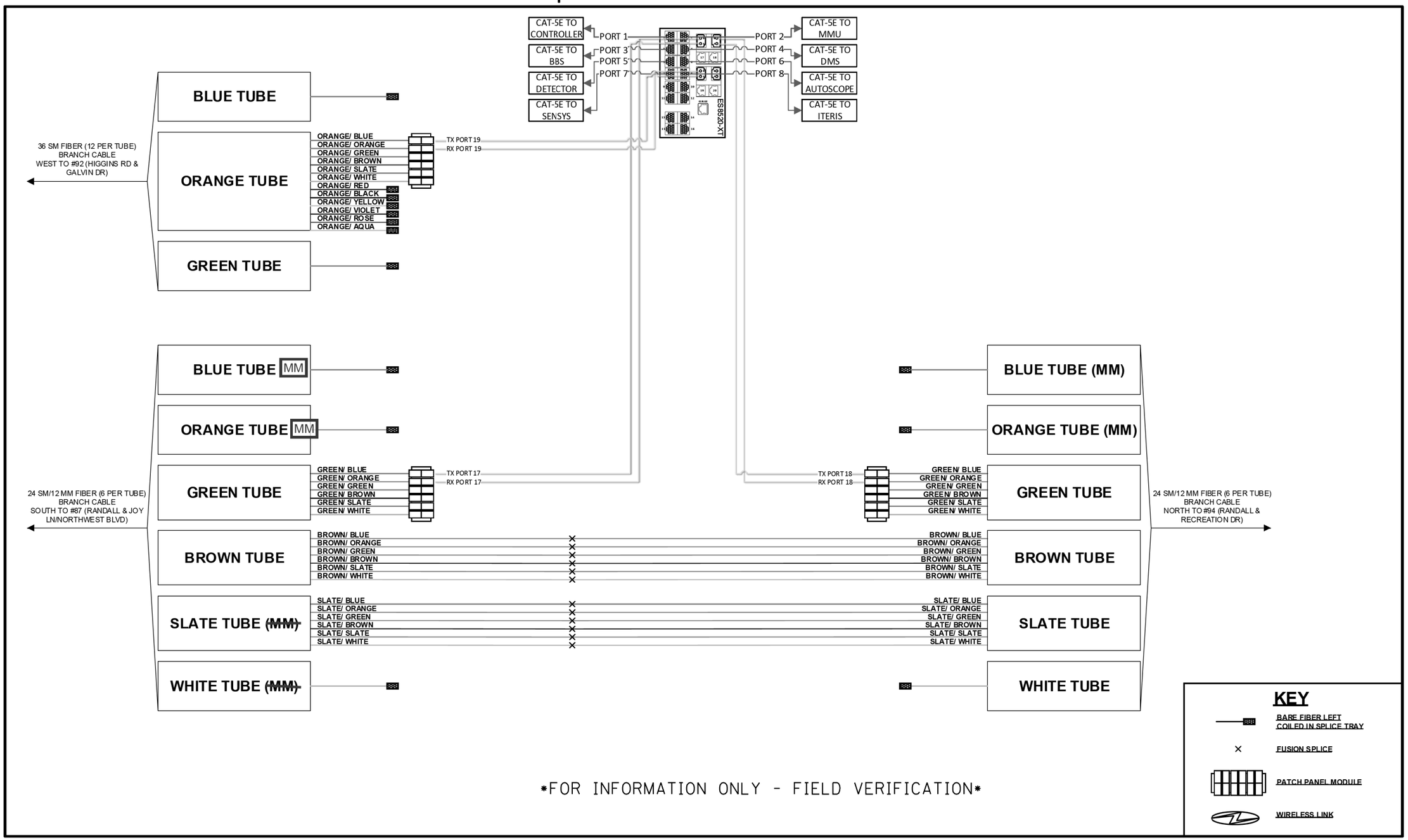
KDOT SYSTEM

MODEL: Default
FILE NAME: W:\894-088 Randall at Higgins_Phase II Engineering\CADD_Sheets\016_Traffic Signals\19-00514-00-WR_SHT_PR_Interconnect_Schematic.dgn

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - TN	REVISED -					0336	19-00514-00-WR	KANE	304 / 194
	PLOT SCALE = 100.0000 ' / in.	CHECKED - GJE	REVISED -							CONTRACT NO. 61L28	
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.		ILLINOIS FED. AID PROJECT		

Intersection ID #88 - Randall Rd & Higgins Rd
Splice & Termination Detail

gba Systems Integrators, LLC



FOR INFORMATION ONLY - FIELD VERIFICATION

KDOT SYSTEM

MODEL: Default
FILE NAME: W:\894-088 Randall at Higgins Phase II Engineering\CADD_Sheets\016_Traffic Signals\19-00514-00-WR_SHT_PR_Interconnect_Schematic.dgn

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - TN	REVISED -			0336	19-00514-00-WR	KANE	304 / 195
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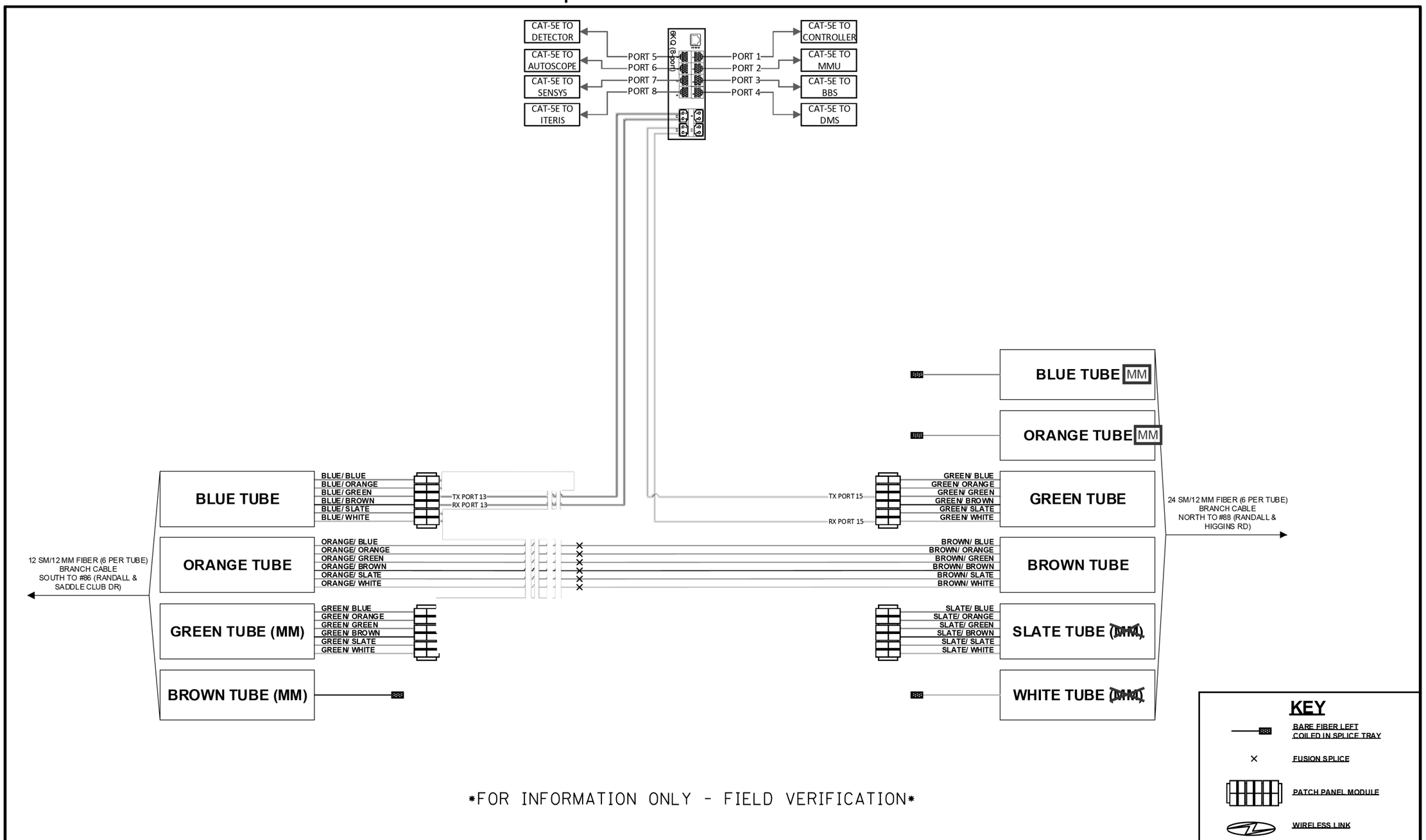
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT		

Intersection ID #87 - Randall Rd & Joy Ln/ Northwest Blvd
Splice & Termination Detail

gba Systems Integrators, LLC



FOR INFORMATION ONLY - FIELD VERIFICATION

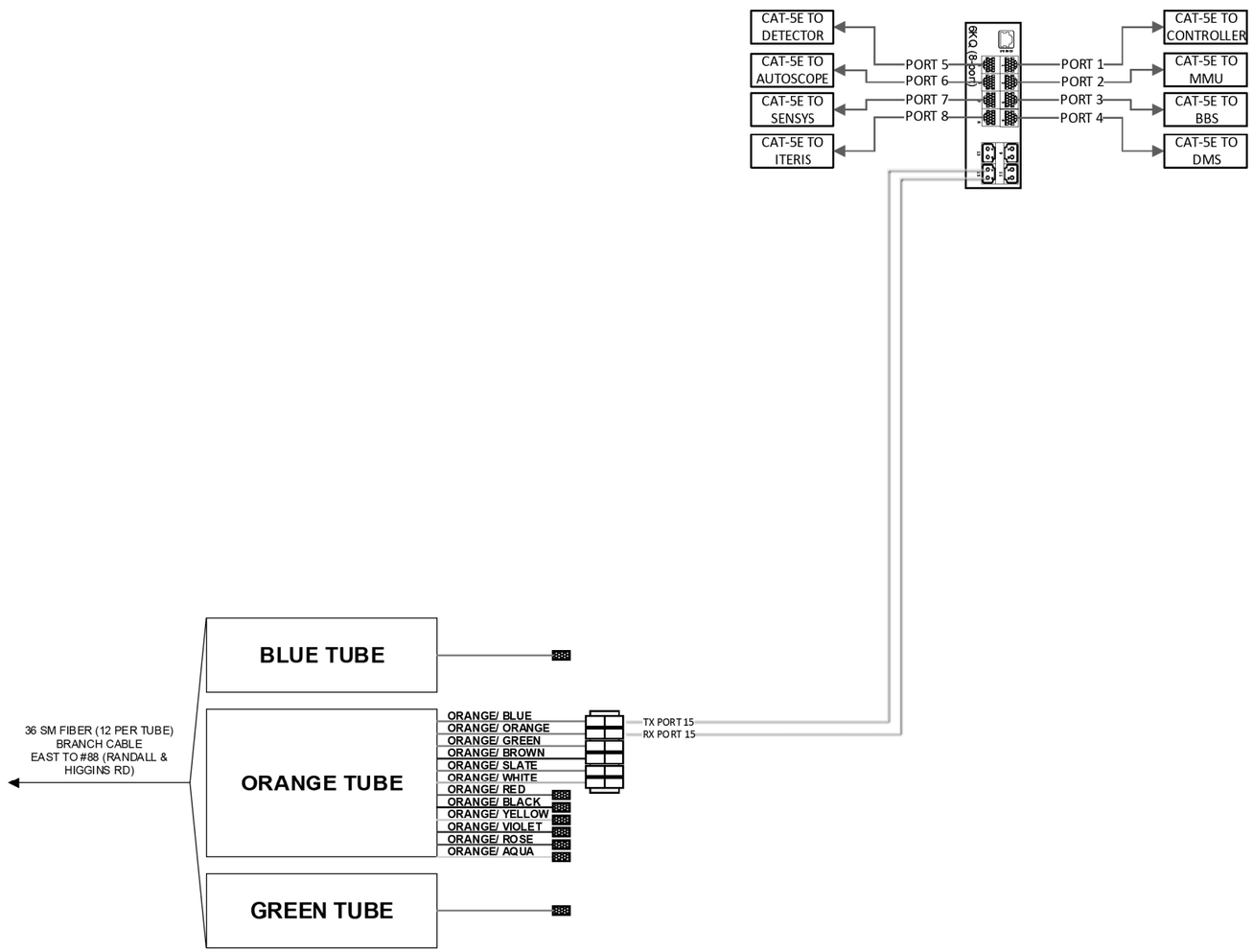
KDOT SYSTEM

MODEL: Default
FILE NAME: W:\8940-088 Randall at Higgins_Phase II Engineering\CADD_Sheets\016_Traffic Signals\19-00514-00-WR_SHT_PR_Interconnect_Schematic.dgn

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - TN	REVISED -			0336	19-00514-00-WR	KANE	304 / 196
	PLOT SCALE = 100.0000 ' / in.	CHECKED - GJE	REVISED -					CONTRACT NO. 61L28	
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT		

Intersection ID #92 - Higgins Rd & Galvin Dr
Splice & Termination Detail

gba Systems Integrators, LLC



FOR INFORMATION ONLY - FIELD VERIFICATION

KEY

- BARE FIBER LEFT COILED IN SPLICE TRAY
- × FUSION SPLICE
- PATCH PANEL MODULE
- WIRELESS LINK

KDOT SYSTEM

MODEL: Default
FILE NAME: W6894-088 Randall at Higgins_Phase II Engineering\CADD_Sheets\016_Traffic Signals\19-00514-00-WR_SHT_PR_Interconnect_Schematic.dgn

BLA, Inc.	USER NAME = tnestor	DESIGNED - TN	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT IL ROUTE 72 (HIGGINS ROAD)
		DRAWN - TN	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - GJE	REVISED -		
	PLOT DATE = 8/21/2025	DATE - 02/15/2025	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	19-00514-00-WR	KANE	304	197
		CONTRACT NO. 61L28		
		ILLINOIS FED. AID PROJECT		

GENERAL NOTES:

1. THIS PROJECT INCLUDES THE REPLACEMENT OF THE EXISTING ROADWAY LIGHTING AT THE INTERSECTION OF RANDALL ROAD AND IL ROUTE 72. THE PROPOSED LIGHTING SHALL BE ENERGIZED, OWNED, AND MAINTAINED BY ILLINOIS DEPARTMENT OF TRANSPORTATION. NEW COMBINATION LIGHTING WILL BE INSTALLED WITH THE NEW TRAFFIC SIGNALS AND THIS COMBINATION LIGHTING SHALL BE OWNED AND MAINTAINED BY ILLINOIS DEPARTMENT OF TRANSPORTATION.

2. THE CONTRACTOR SHALL CONTACT THE ELECTRIC UTILITY COMPANY TO COORDINATE THE ELECTRIC SERVICE WORK. ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE CONTACTED TO TRANSFER STATE MAINTAINED EQUIPMENT TO THE CONTRACTOR BEFORE THE START OF ANY WORK.

3. THE QUANTITIES OF RACEWAY WHERE INDICATED ON THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.

4. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES. MEADE ELECTRIC CO., DISTRICT 1 ELECTRICAL MAINTENANCE CONTRACTOR LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES. CALL MEADE ELECTRIC CO. TO TRANSFER IDOT MAINTAINED EQUIPMENT TO THE CONTRACTOR BEFORE THE START OF ANY WORK. THEIR PHONE NUMBER IS 773-287-7672.

5 THE CONTRACTOR SHALL VERIFY LOCATIONS OF UNDERGROUND/OVERHEAD UTILITIES PRIOR TO INSTALLATION OF LIGHT POLES AND CONDUITS. IF THERE IS A CONFLICT WITH THE LIGHT POLES/CONDUITS AS SHOWN ON PLANS, THE CONTRACTOR SHALL SUGGEST ALTERNATIVE LOCATIONS AND COORDINATE WITH THE ENGINEER PRIOR TO PERFORMING ANY CONSTRUCTION WORK.

6. TRENCHES FOR LIGHTING RACEWAYS SHALL HAVE A MINIMUM DEPTH OF 30".

7. LIGHTING SYSTEM INSTALLATION SHALL CONFORM TO THE LATEST IDOT STANDARDS, KANE COUNTY STANDARDS, NEC AND LOCAL CODES.

8. ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE NEW UL LISTED AND LABELED.

9. THE CONTRACTOR SHALL TAKE CARE WHEN INSTALLING UNIT DUCT TO AVOID CONFLICTS WITH EXISTING UNDERGROUND UTILITIES AND TREE'S ROOTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE AS DETERMINED BY THE ENGINEER.

10. THE CONTRACTOR SHALL TAKE CARE WHEN INSTALLING LIGHT POLE FOUNDATIONS TO AVOID CONFLICTS WITH UNDERGROUND UTILITIES. WHEN CONFLICTS ARE ENCOUNTERED, THE CONTRACTOR SHALL SUGGEST TO RELOCATE THE FOUNDATIONS. THE NEW LOCATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

11. GROUND RODS SHALL BE INSTALLED AT EACH LIGHTING UNIT, CONTROLLER CABINET, AND SERVICE INSTALLATION. WHERE BREAKAWAY BASES ARE SPECIFIED, THE BASE AND THE POLE SHALL BE APPROPRIATELY GROUNDED.

12. LUMINAIRE SAFETY CABLE SHALL BE INSTALLED FOR EACH PROPOSED LUMINAIRE SPECIFIED FOR INSTALLATION ON THIS PROJECT PER BE-701 OR AS DIRECTED BY ENGINEER.

13. THE CONTRACTOR IS RESPONSIBLE FOR OPERATION AND MAINTENANCE OF TEMPORARY LIGHTING SYSTEM AND SHALL ENSURE CONTINUOUS OPERATION DURING NIGHT-TIME HOURS.

14. IDOT ELECTRICAL MAINTENANCE SHOULD BE NOTIFIED AT LEAST 14 DAYS BEFORE TRANSFERRING THE EXISTING LIGHTING SYSTEM TO THE CONTRACTOR. CONTACT LONG TRAN FROM IDOT LIGHTING MAINTENANCE TRANSFER: LONG.TRAN@ILLINOIS.GOV (847) 705-4232.

15. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITIES BEFORE TRENCHING AND AUGURING.

16. ALL AERIAL CABLE SHALL MAINTAIN A MINIMUM VERTICAL CLEARANCE OF 18 FEET.

17. THE TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE THE EXISTING LIGHT POLES ARE RELOCATED AND STORED. THE PROPOSED LIGHT POLES SHALL BE INSTALLED AND OPERATIONAL BEFORE THE TEMPORARY LIGHTING IS REMOVED.

18. WHEN REMOVED, THE EXISTING LIGHTING CONTROLLER SHALL BE SALVAGED FOR THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	745
UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	6400
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1208
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 1/0	FOOT	150
AERIAL CABLE, 3-1/C NO. 6 WITH MESSENGER WIRE	FOOT	4660
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION I	EACH	28
LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP	EACH	1
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	24
LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	18
LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8'	EACH	24
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	24
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	18
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	20
REMOVAL OF POLE FOUNDATION	EACH	20
REMOVAL OF LIGHTING CONTROLLER	EACH	1
REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12
TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION I	EACH	18
COMBINATION LIGHTING CONTROLLER	EACH	1
TEMPORARY WOOD POLE, 60 FT., CLASS 4	EACH	4
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	28

LEGEND

- (R) EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
- (E) EXISTING LIGHTING UNIT TO REMAIN AS PART OF TEMPORARY LIGHTING AND BE REMOVED AND SALVAGED WHEN TEMPORARY LIGHTING IS REMOVED.
- (T) TEMPORARY WOOD POLE, 50 FT. MH, 15 FT. MAST ARM WITH 240VAC LED LUMINAIRE, OUTPUT DESIGNATION I
- PROPOSED LIGHTING UNIT, 47.5 FT. MH, 15 FT. MAST ARM, WITH 240VAC LED LUMINAIRE, OUTPUT DESIGNATION I ON METAL FOUNDATION WITH BREAKAWAY DEVICE
- TEMPORARY WOOD POLE, 60 FT., CLASS 4
- EXISTING IDOT LIGHTING CONTROLLER "KT", SALVAGED
- PROPOSED IDOT LIGHTING CONTROLLER "KT" 240/480V, SINGLE PHASE, 3 WIRE, 100AMP
- EXISTING ELECTRIC SERVICE
- PROPOSED ELECTRIC SERVICE 240/480V, SINGLE PHASE, 3WIRE
- UNIT DUCT, 600V, 3-1C NO.6 1/C NO.8 GROUND, (XLP-TYPE USE), 1¼" DIA. POLYETHYLENE
- —R——R— EXISTING UNIT DUCT TO BE REMOVED
- UNDERGROUND CONDUIT GALVANIZED STEEL, 4" DIA. WITH UNIT DUCT
- ELECTRICAL CABLE IN CONDUIT 3-1/C NO. 1/0
- GROUND ROD
- —A/C— AERIAL CABLE, 3-1/C NO.6 WITH MESSENGER WIRE

LT-01

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = mdeltche	DESIGNED - MH	REVISED -	
	DRAWN - SR	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - BL	REVISED -	
PLOT DATE = 7/11/2025	DATE - 02-12-2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, BILL OF MATERIALS AND LEGEND
RANDALL ROAD AT IL 72

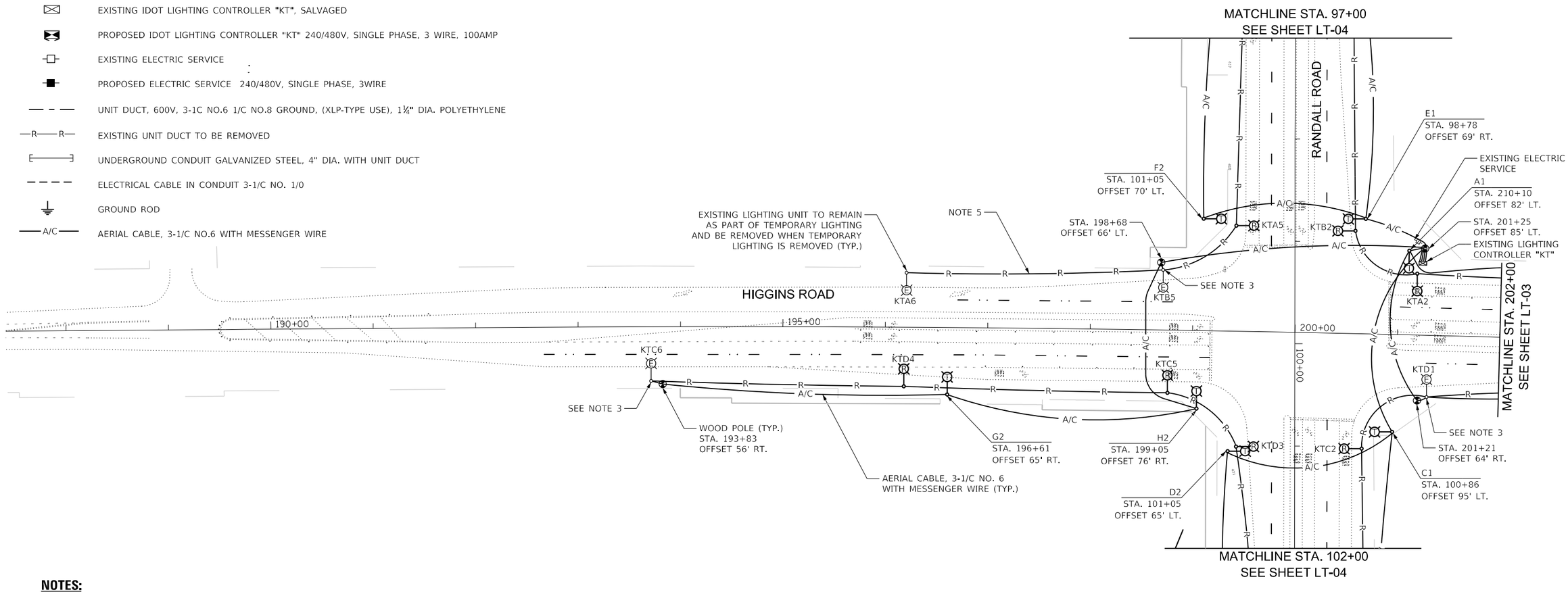
SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00514-00-WR	KANE	304	198
		CONTRACT NO. 61L28		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: F:\Projects\2022-03\Randall Rd at IL 72 Ph II - BLA\Design\Sht\19-00514-00-sht_LT-01.dgn

LEGEND

- EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
- EXISTING LIGHTING UNIT TO REMAIN AS PART OF TEMPORARY LIGHTING AND BE REMOVED AND SALVAGED WHEN TEMPORARY LIGHTING IS REMOVED.
- TEMPORARY WOOD POLE, 50 FT. MH, 15 FT. MAST ARM WITH 240VAC LED LUMINAIRE, OUTPUT DESIGNATION I
- PROPOSED LIGHTING UNIT, 47.5 FT. MH, 15 FT. MAST ARM, WITH 240VAC LED LUMINAIRE, OUTPUT DESIGNATION I ON METAL FOUNDATION WITH BREAKAWAY DEVICE
- TEMPORARY WOOD POLE, 60 FT., CLASS 4
- EXISTING IDOT LIGHTING CONTROLLER "KT", SALVAGED
- PROPOSED IDOT LIGHTING CONTROLLER "KT" 240/480V, SINGLE PHASE, 3 WIRE, 100AMP
- EXISTING ELECTRIC SERVICE
- PROPOSED ELECTRIC SERVICE 240/480V, SINGLE PHASE, 3WIRE
- UNIT DUCT, 600V, 3-1C NO.6 1/C NO.8 GROUND, (XLP-TYPE USE), 1¼" DIA. POLYETHYLENE
- EXISTING UNIT DUCT TO BE REMOVED
- UNDERGROUND CONDUIT GALVANIZED STEEL, 4" DIA. WITH UNIT DUCT
- ELECTRICAL CABLE IN CONDUIT 3-1/C NO. 1/0
- GROUND ROD
- AERIAL CABLE, 3-1/C NO.6 WITH MESSENGER WIRE



NOTES:

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-01.
2. THE TEMPORARY LIGHTING UNITS SHALL BE FED FROM THE EXISTING LIGHTING SYSTEM/CONTROLLER.
3. THE EXISTING LIGHTING UNITS TO BE REMOVED SHALL BE REMOVED WHEN THE TEMPORARY LIGHTING IS INSTALLED AND FULLY OPERATIONAL.
4. THE TEMPORARY LIGHTING SHALL BE REMOVED WHEN PROPOSED LIGHTING IS FULLY INSTALLED AND IS OPERATIONAL.
5. EXISTING UNIT DUCT TO REMAIN AS PART OF TEMPORARY LIGHTING AND BE REMOVED WHEN TEMPORARY LIGHTING IS REMOVED.

LT-02

MODEL: Default
FILE NAME: P:\Projects\2022-03-Randall Rd at IL 72 Ph II - BLA\Design\Sht\19-00514-00-ltPL_LT-02.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = mdeltche	DESIGNED - MH	REVISED -	
	DRAWN - SR	REVISED -	
PLOT SCALE = 100.000 ' / in.	CHECKED - BL	REVISED -	
PLOT DATE = 7/11/2025	DATE - 02-12-2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL/TEMPORARY LIGHTING PLAN
RANDALL ROAD AT IL–72

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00514-00-WR	KANE	304	199
		CONTRACT NO. 61L28		
	ILLINOIS	FED. AID PROJECT		

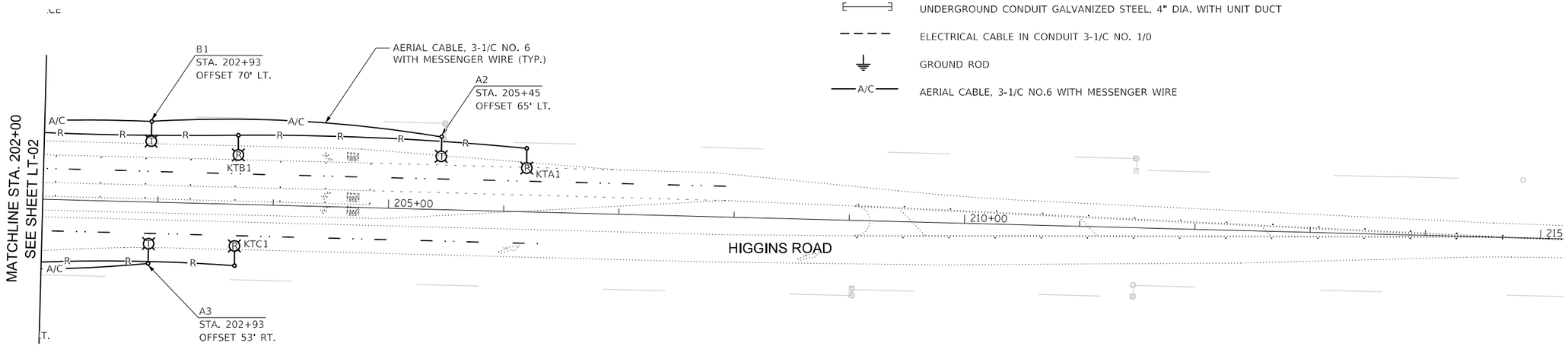
LEGEND

- EXISTING LIGHTING UNIT TO BE REMOVED AND SALVAGED
- EXISTING LIGHTING UNIT TO REMAIN AS PART OF TEMPORARY LIGHTING AND BE REMOVED AND SALVAGED WHEN TEMPORARY LIGHTING IS REMOVED.
- TEMPORARY WOOD POLE, 50 FT. MH, 15 FT. MAST ARM WITH 240VAC LED LUMINAIRE, OUTPUT DESIGNATION I
- PROPOSED LIGHTING UNIT, 47.5 FT. MH, 15 FT. MAST ARM, WITH 240VAC LED LUMINAIRE, OUTPUT DESIGNATION I ON METAL FOUNDATION WITH BREAKAWAY DEVICE
- TEMPORARY WOOD POLE, 60 FT., CLASS 4
- EXISTING IDOT LIGHTING CONTROLLER "KT", SALVAGED
- PROPOSED IDOT LIGHTING CONTROLLER "KT" 240/480V, SINGLE PHASE, 3 WIRE, 100AMP
- EXISTING ELECTRIC SERVICE
- PROPOSED ELECTRIC SERVICE 240/480V, SINGLE PHASE, 3WIRE
- UNIT DUCT, 600V, 3-1C NO.6 1/C NO.8 GROUND, (XLP-TYPE USE), 1¼" DIA. POLYETHYLENE
- R — R — EXISTING UNIT DUCT TO BE REMOVED
- UNDERGROUND CONDUIT GALVANIZED STEEL, 4" DIA. WITH UNIT DUCT
- ELECTRICAL CABLE IN CONDUIT 3-1/C NO. 1/0
- GROUND ROD
- A/C — AERIAL CABLE, 3-1/C NO.6 WITH MESSENGER WIRE

N

0 50 100 150

SCALE IN FEET



NOTES:

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-01.
2. THE TEMPORARY LIGHTING UNITS SHALL BE FED FROM THE EXISTING LIGHTING SYSTEM.
3. THE EXISTING LIGHTING UNITS TO BE REMOVED SHALL BE REMOVED WHEN THE TEMPORARY LIGHTING IS INSTALLED AND FULLY OPERATIONAL.
4. THE TEMPORARY LIGHTING SHALL BE REMOVED WHEN PROPOSED LIGHTING IS FULLY INSTALLED AND IS OPERATIONAL.

LT-03

MODEL: Default
FILE NAME: P:\Projects\2022\403-Randall Rd at IL 72 Ph II - BLA\Design\Sht\19-00514-00-ath_LT-03.dgn

AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516	USER NAME = mdeltche	DESIGNED - MH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL/TEMPORARY LIGHTING PLAN RANDALL ROAD AT IL–72
		DRAWN - SR	REVISED -		
	PLOT SCALE = 100.000 ' / in.	CHECKED - BL	REVISED -		
	PLOT DATE = 7/11/2025	DATE - 02-12-2025	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00514-00-WR	KANE	304	200
		CONTRACT NO. 61L28		
	ILLINOIS	FED. AID PROJECT		