

**PAVEMENT MARKING NOTES:**

1. PROPOSED PAVEMENT MARKINGS ARE TO BE INSTALLED IN ACCORDANCE WITH HIGHWAY STANDARD 780001-05 AND DISTRICT ONE STANDARD TC 13.
2. PROPOSED RAISED REFLECTIVE PAVEMENT MARKERS ARE TO BE INSTALLED IN ACCORDANCE WITH HIGHWAY STANDARD 781001-04 AND DISTRICT ONE STANDARD TC 11.

MODEL: D:\m\h\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\CAD\_Sheets\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD.dgn  
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1170 SOUTH HOUBOLT ROAD  
JOLIET, ILLINOIS 60431  
(815) 744-4200

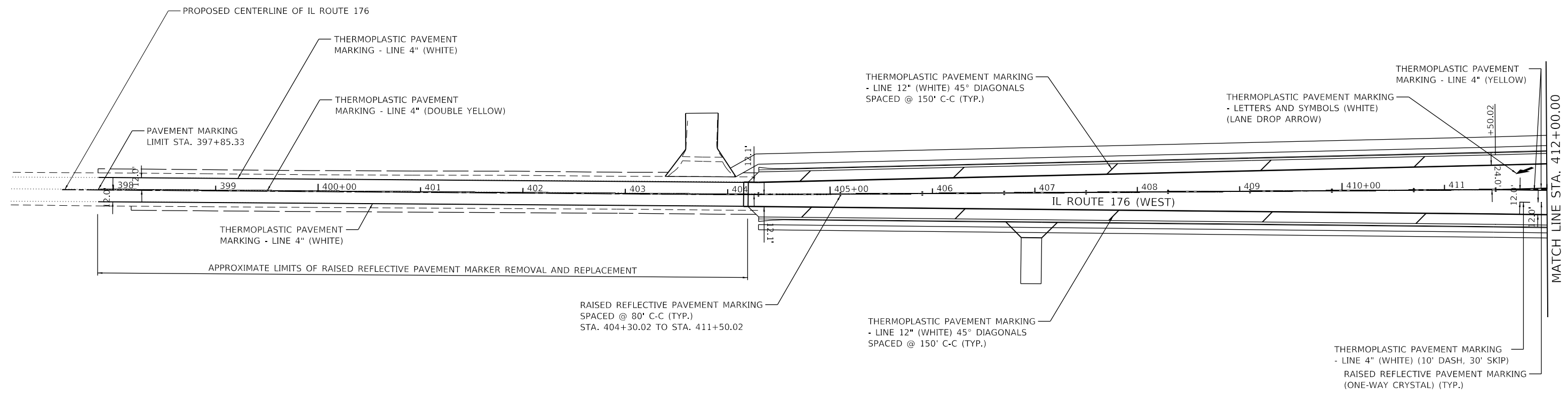
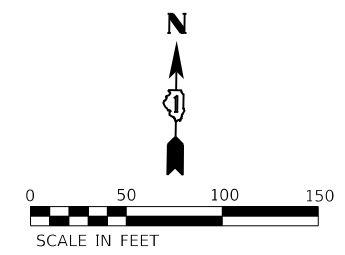
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	DRAWN - DJW	REVISED -
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PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (EAST)**  
**PAVEMENT MARKING PLAN**

SCALE: 1" = 50'    SHEET 2 OF 2 SHEETS    STA. 320+00.00 TO STA. 326+30.37

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	401
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING NOTES:**

1. PROPOSED PAVEMENT MARKINGS ARE TO BE INSTALLED IN ACCORDANCE WITH HIGHWAY STANDARD 780001-05 AND DISTRICT ONE STANDARD TC 13.
2. PROPOSED RAISED REFLECTIVE PAVEMENT MARKERS ARE TO BE INSTALLED IN ACCORDANCE WITH HIGHWAY STANDARD 781001-04 AND DISTRICT ONE STANDARD TC 11.

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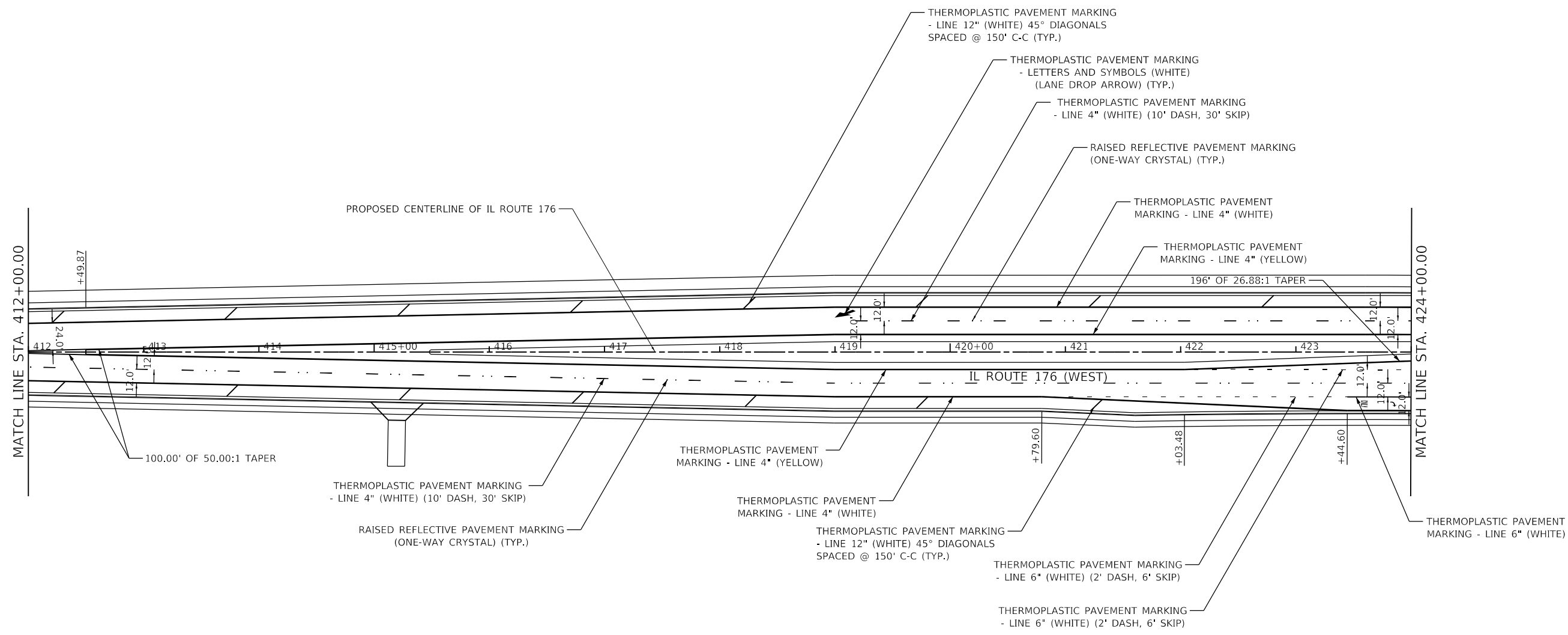
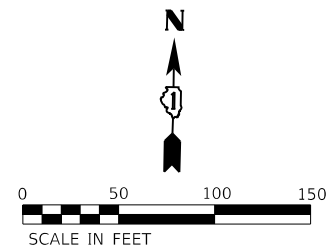
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PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (WEST)**  
**PAVEMENT MARKING PLAN**

SCALE: 1" = 50'    SHEET 1 OF 2 SHEETS    STA. 400+00.00 TO STA. 412+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	402
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



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 STRAND ASSOCIATES


**STRAND ASSOCIATES**  
 1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200

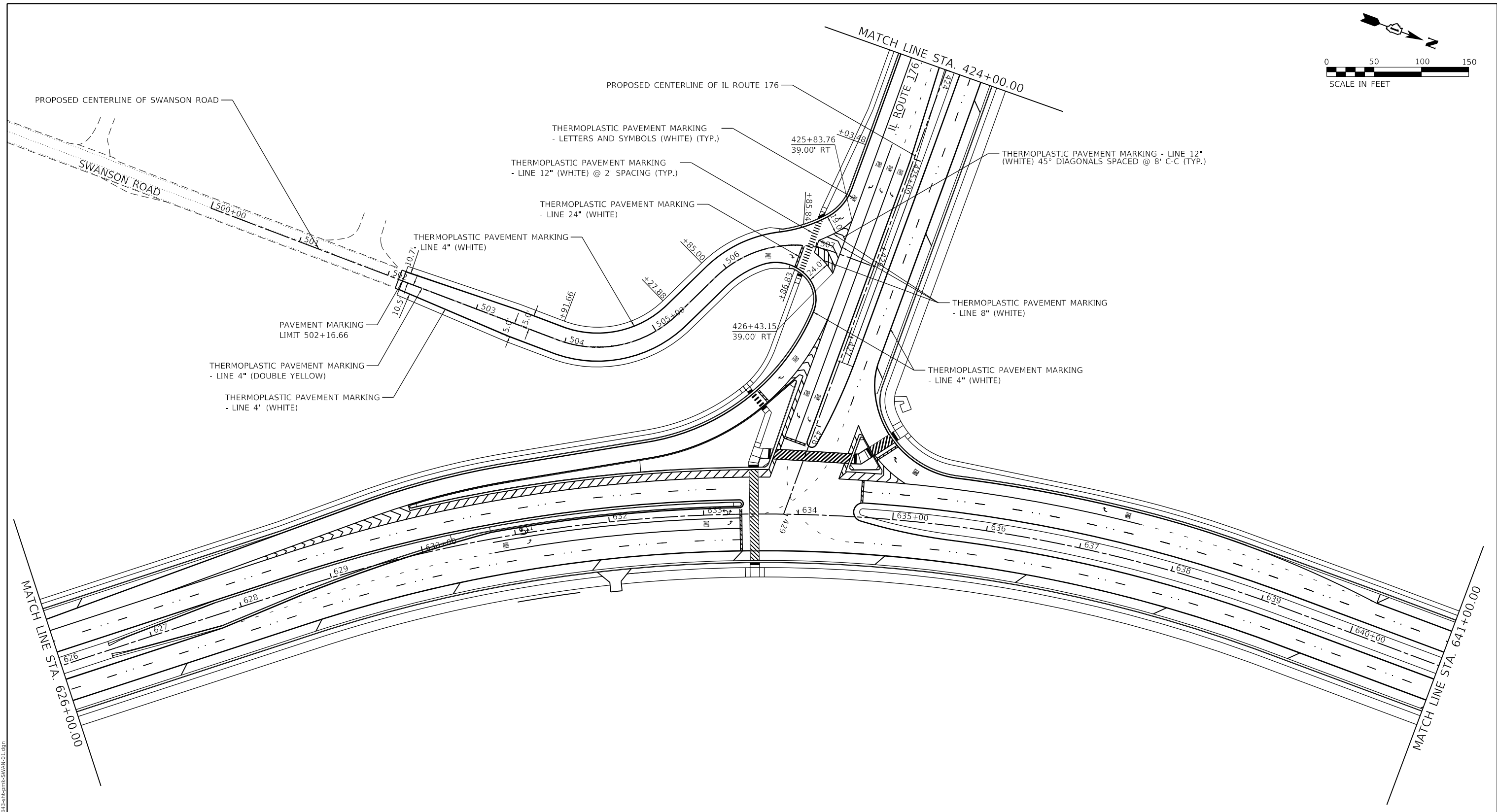
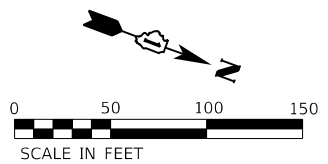
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PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (WEST)**  
**PAVEMENT MARKING PLAN**

SCALE: 1" = 50'    SHEET 2 OF 2 SHEETS    STA. 412+00.00 TO STA. 424+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	403
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	



**PAVEMENT MARKING NOTES:**

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 PLOT: 12/19/2023



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PLOT DATE = 12/19/2023	CHECKED - SJG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SWANSON ROAD  
PAVEMENT MARKING PLAN**

SCALE: 1" = 50'    SHEET 1 OF 1 SHEETS    STA. 500+00.00 TO STA. 507+65.50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	404
				CONTRACT NO. 62B43
ILLINOIS FED. AID PROJECT				



MODEL: D:\dps\11...  
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 STRAND ASSOCIATES, INC.

PROPOSED SIGN SCHEDULE																					
SIGN #	DESCRIPTION	DESIGNATION	PROPOSED LOCATION					PROPOSED SIZE				PROPOSED SIGN ITEMS									
			STA.	OFFSET (FT)	SUPPORT TYPE	WIDTH (FT)	HEIGHT (FT)	AREA (SQ FT)	SIGN PANEL - TYPE 1 (SQ FT)	SIGN PANEL - TYPE 2 (SQ FT)	SIGN PANEL OVERLAY (SQ FT)	TUBULAR STEEL SIGN SUPPORT - BREAKAWAY (POUND)	WOOD POST SIGN SUPPORT (FOOT)	CONCRETE FOUNDATIONS (CU YD)	REINFORCEMENT BARS (POUND)						
PR-L4-WP-1000	CROSS TRAFFIC DOES NOT STOP (PLAQUE)	W4-4P	558+61.51	R	WOOD POST	2.0	1.0	2.00	2.00		32.39										
PR-L4-WP-1087	ONE WAY RIGHT	R6-2R	637+00.00	L	WOOD POST	2.0	2.5	5.00	5.00												

PROPOSED SIGN SCHEDULE																					
SIGN #	DESCRIPTION	DESIGNATION	PROPOSED LOCATION					PROPOSED SIZE				PROPOSED SIGN ITEMS									
			STA.	OFFSET (FT)	SUPPORT TYPE	WIDTH (FT)	HEIGHT (FT)	AREA (SQ FT)	SIGN PANEL - TYPE 1 (SQ FT)	SIGN PANEL - TYPE 2 (SQ FT)	SIGN PANEL OVERLAY (SQ FT)	TUBULAR STEEL SIGN SUPPORT - BREAKAWAY (POUND)	WOOD POST SIGN SUPPORT (FOOT)	CONCRETE FOUNDATIONS (CU YD)	REINFORCEMENT BARS (POUND)						
PR-L4-WP-1092	KEEP RIGHT	R4-1	633+34.22	L	WOOD POST	2.0	2.5	5.00	5.00												
PR-L4-WP-6007	NORTH	M3-1	419+86.20	R	WOOD POST	2.0	1.0	2.00	2.00												

USER NAME = JackD	DESIGNED - MAG	REVISD -
PLOT SCALE = 2,000' / 1" =	CHECKED - SJG	REVISD -
PLOT DATE = 12/19/2023	DATE = 12/15/2023	REVISD -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SIGNING SCHEDULE**

SCALE: N/A	SHEET 2 OF 4 SHEETS	STA. TO STA.	F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 406
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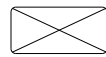


ILLINOIS / FED. AID PROJECT



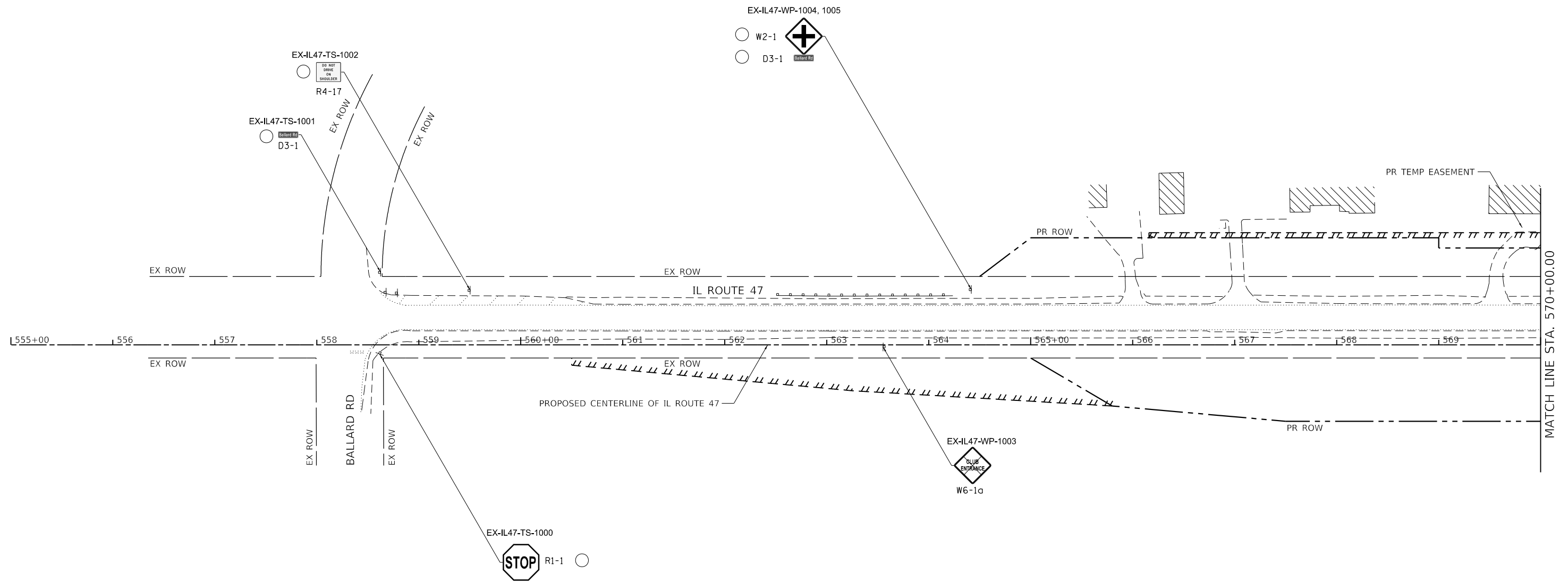
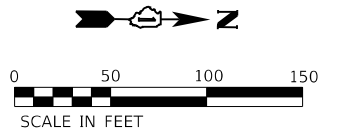




 REMOVE SIGN PANEL ASSEMBLY

 EXISTING SIGN PANEL ASSEMBLY TO REMAIN

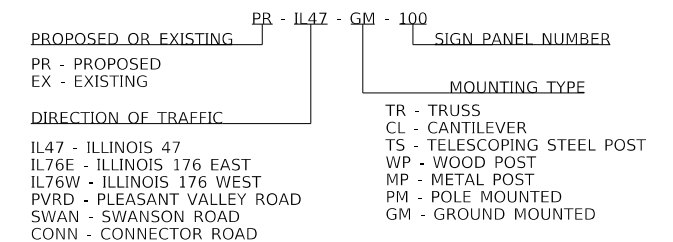
 RELOCATE SIGN PANEL



**SIGNING NOTES:**

- FOR CLARITY, UTILITIES ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN ALL UTILITIES AND THE PROPOSED SIGNING PLAN.
- EXACT LOCATION FOR EACH SIGN IS PROVIDED IN THE SCHEDULE OF QUANTITIES.

**GUIDE SIGN SEQUENCE  
NUMBERING CODE  
EXAMPLE**



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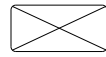
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DRAWN - DJW	REVISIONS -	
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PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47  
SIGN REMOVAL PLAN**

SCALE: 1" = 50' SHEET 1 OF 8 SHEETS STA. 555+00.00 TO STA. 570+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	409
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



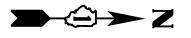
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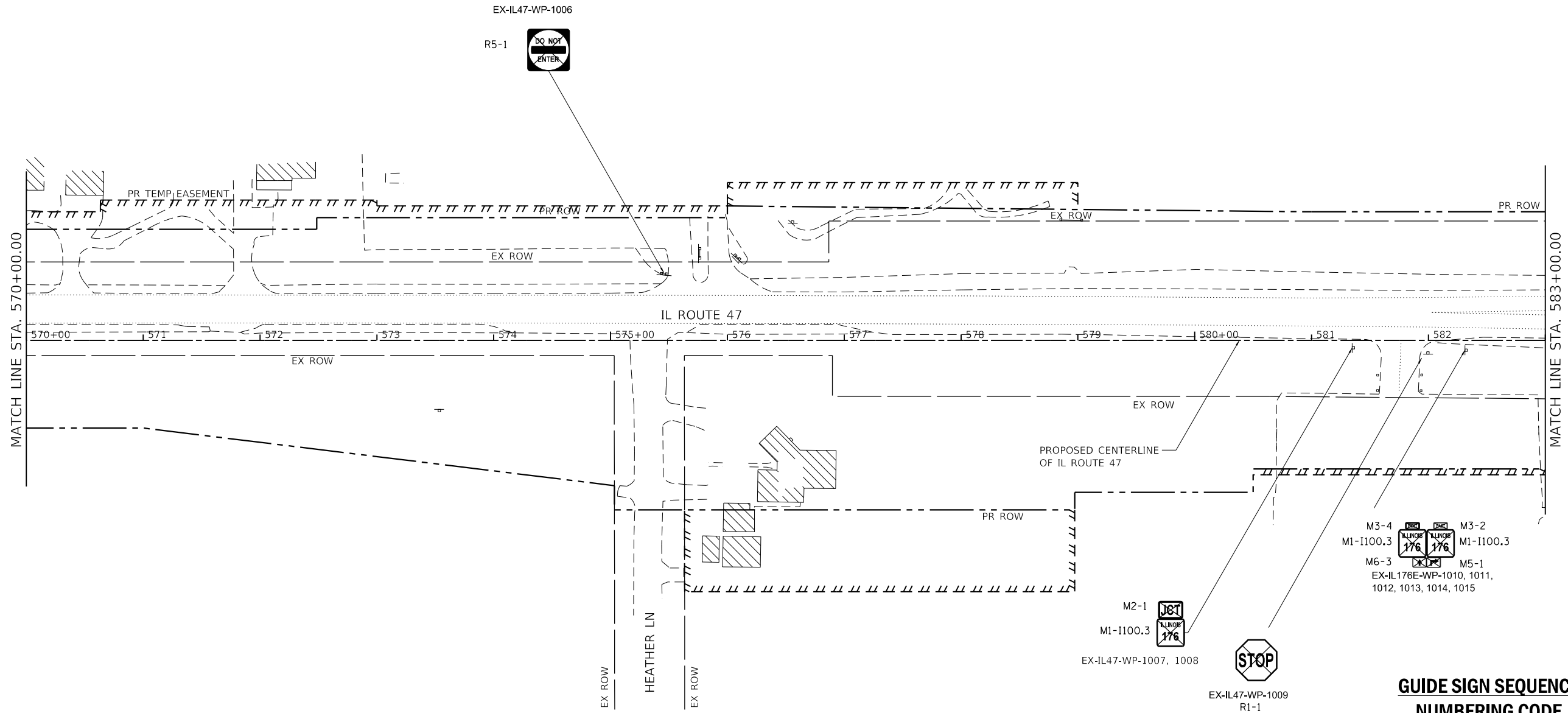
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RELOCATE SIGN PANEL



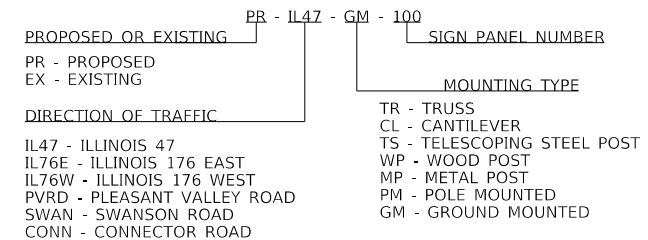
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SCALE IN FEET



**SIGNING NOTES:**

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**GUIDE SIGN SEQUENCE  
NUMBERING CODE  
EXAMPLE**



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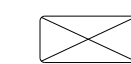

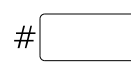
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PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

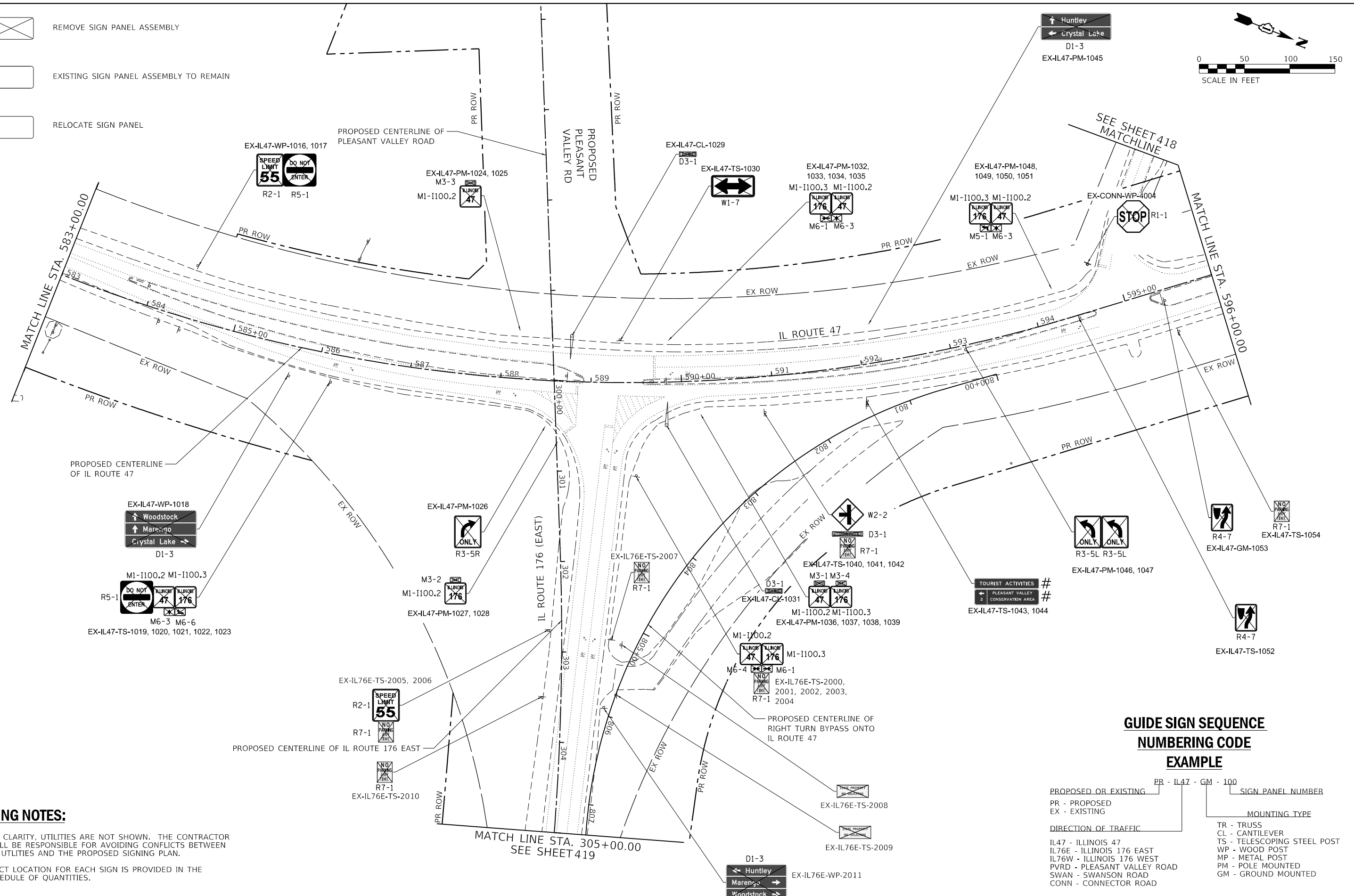
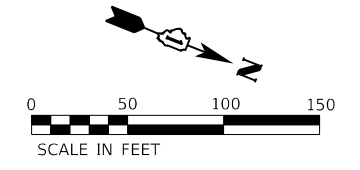
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**IL ROUTE 47  
SIGN REMOVAL PLAN**

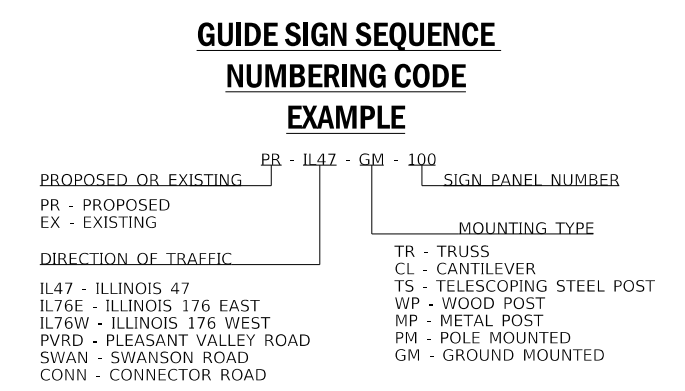
SCALE: 1" = 50' SHEET 2 OF 8 SHEETS STA. 570+00.00 TO STA. 583+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	410
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

-  REMOVE SIGN PANEL ASSEMBLY
-  EXISTING SIGN PANEL ASSEMBLY TO REMAIN
-  RELOCATE SIGN PANEL



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PLOT SCALE = 100.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/19/2023	CHECKED - SJG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47  
SIGN REMOVAL PLAN**

SCALE: 1" = 50' SHEET 3 OF 8 SHEETS STA. 583+00.00 TO STA. 596+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 411
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



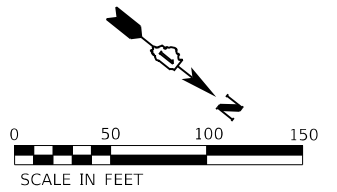
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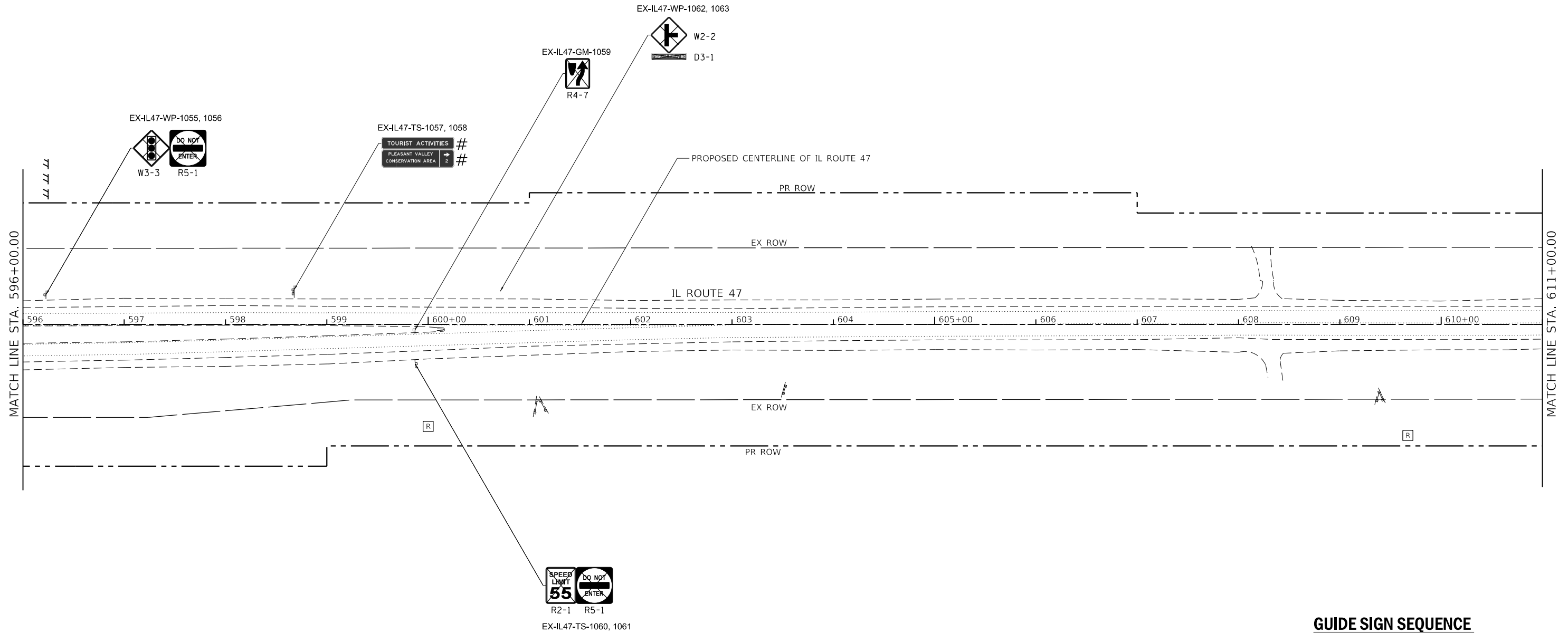
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RELOCATE SIGN PANEL



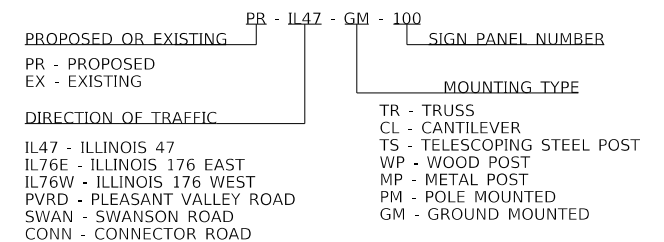
SCALE IN FEET



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**GUIDE SIGN SEQUENCE  
NUMBERING CODE  
EXAMPLE**



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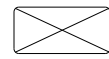
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PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 47  
SIGN REMOVAL PLAN

SCALE: 1" = 50' SHEET 4 OF 8 SHEETS STA. 596+00.00 TO STA. 611+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	412
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	



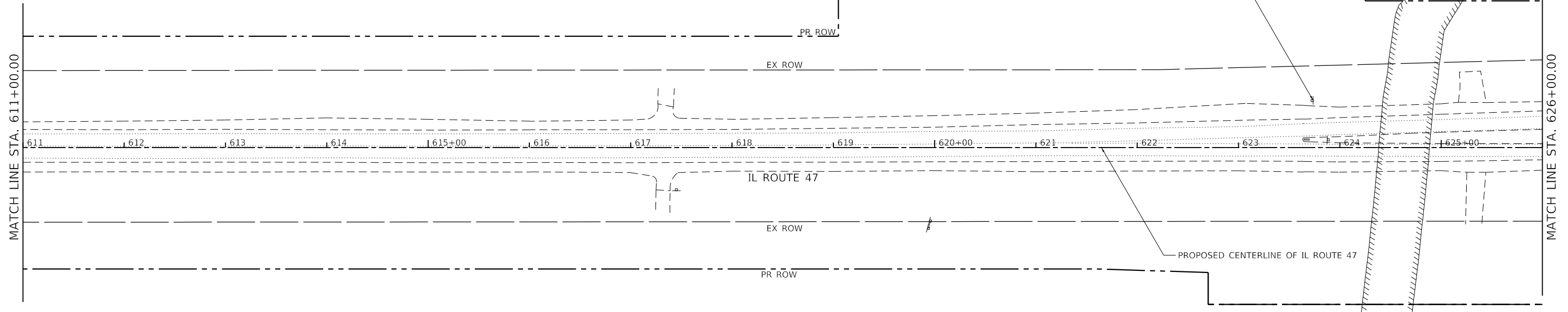
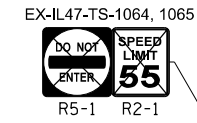
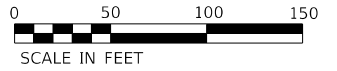
REMOVE SIGN PANEL ASSEMBLY



EXISTING SIGN PANEL ASSEMBLY TO REMAIN



RELOCATE SIGN PANEL



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**GUIDE SIGN SEQUENCE  
NUMBERING CODE  
EXAMPLE**

PROPOSED OR EXISTING: PR - IL47 - GM - 100

PR - PROPOSED  
EX - EXISTING

DIRECTION OF TRAFFIC: IL47 - ILLINOIS 47  
IL76E - ILLINOIS 176 EAST  
IL76W - ILLINOIS 176 WEST  
PVRD - PLEASANT VALLEY ROAD  
SWAN - SWANSON ROAD  
CONN - CONNECTOR ROAD

SIGN PANEL NUMBER: 100

MOUNTING TYPE: TR - TRUSS  
CL - CANTILEVER  
TS - TELESCOPING STEEL POST  
WP - WOOD POST  
MP - METAL POST  
PM - POLE MOUNTED  
GM - GROUND MOUNTED

MODEL: D:\p4\11... FILE NAME: S:\01\12300-03\909\12300\12300\CAD\_Sheets\12300-03\12300-03.dwg



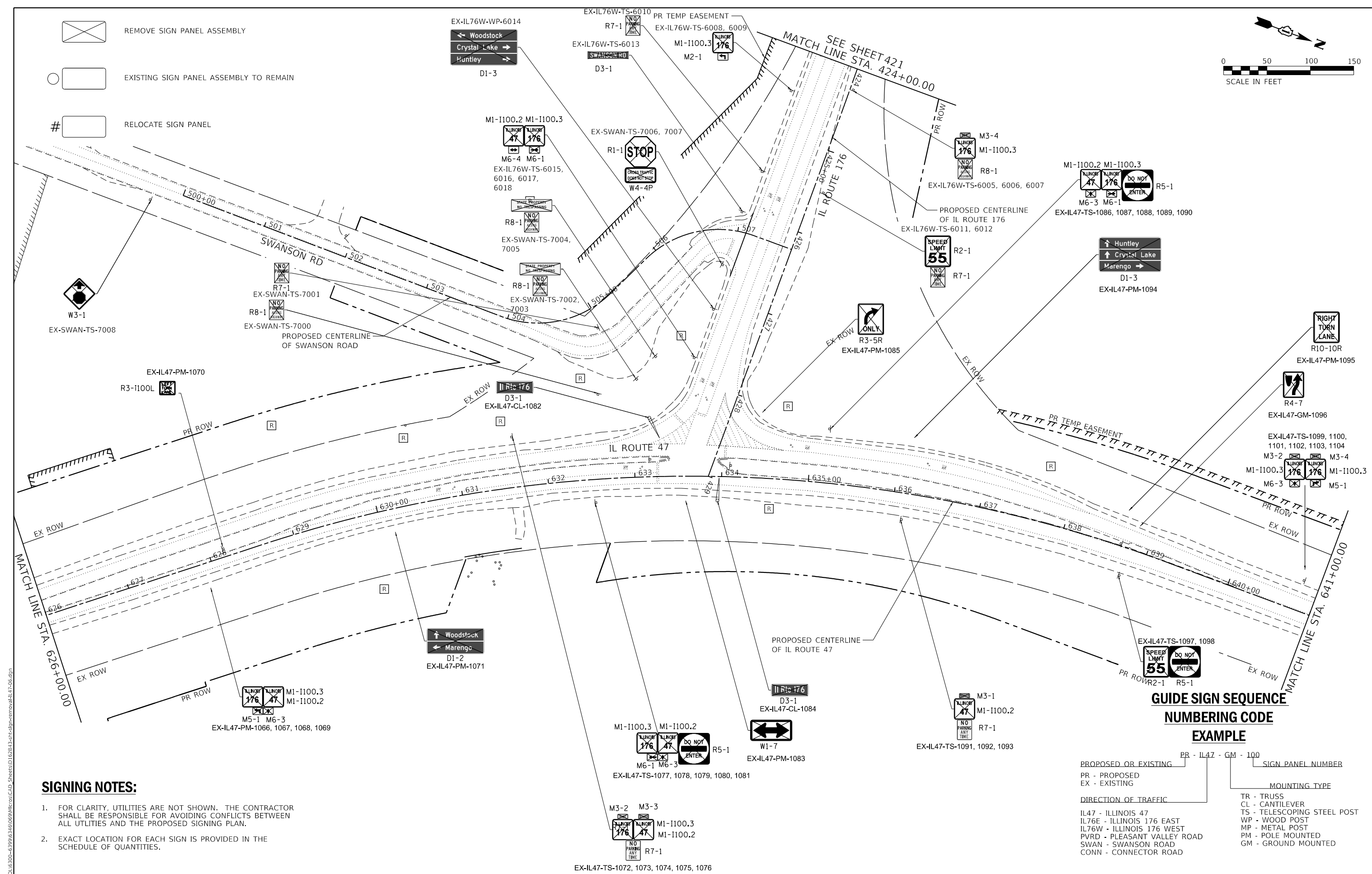
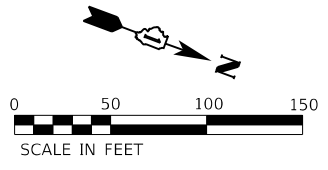
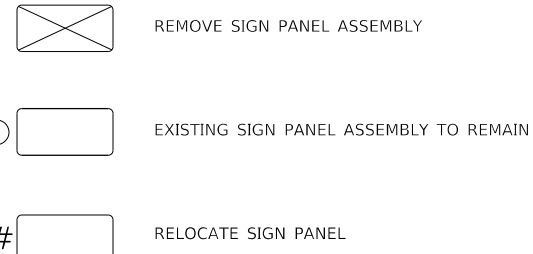
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PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**IL ROUTE 47  
SIGN REMOVAL PLAN**

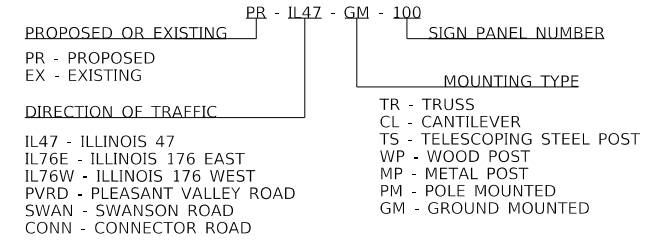
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	413
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	



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**GUIDE SIGN SEQUENCE NUMBERING CODE EXAMPLE**



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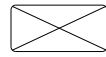
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PLOT SCALE = 100.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/19/2023	CHECKED - SIG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47 SIGN REMOVAL PLAN**

SCALE: 1" = 50' SHEET 6 OF 8 SHEETS STA. 626+00.00 TO STA. 641+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	414
				CONTRACT NO. 62B43
		ILLINOIS FED. AID PROJECT		



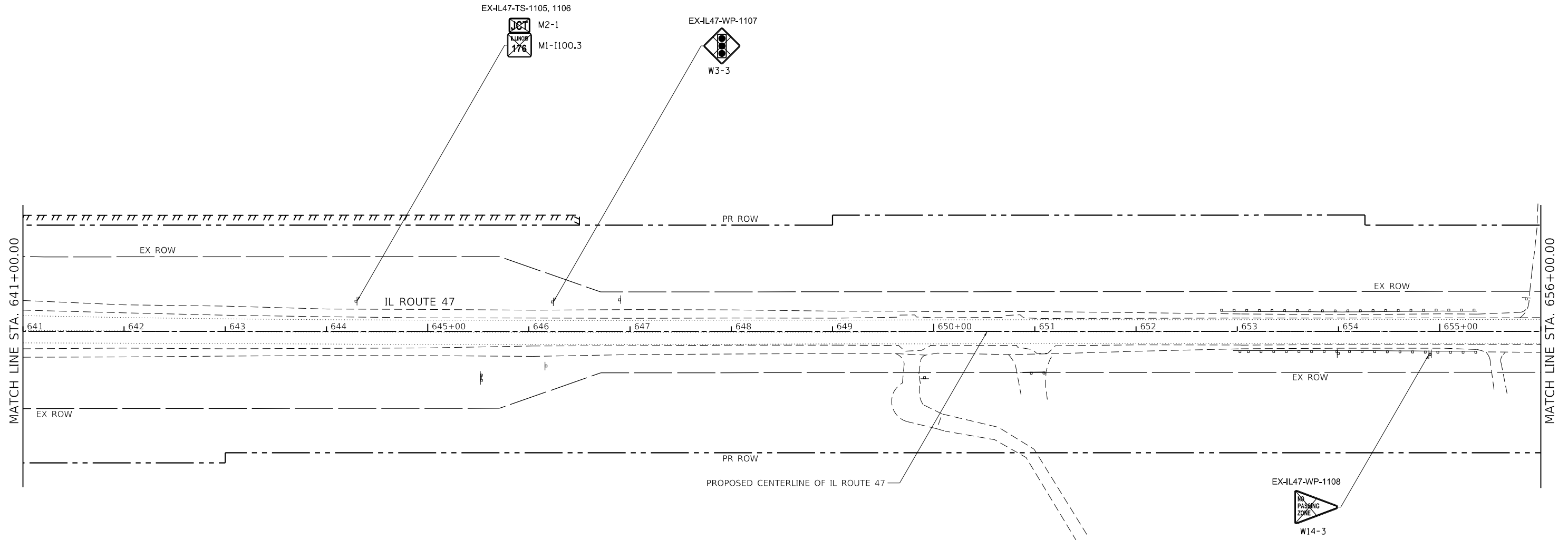
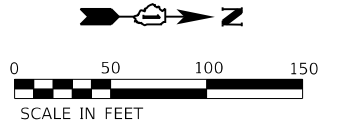
REMOVE SIGN PANEL ASSEMBLY



EXISTING SIGN PANEL ASSEMBLY TO REMAIN



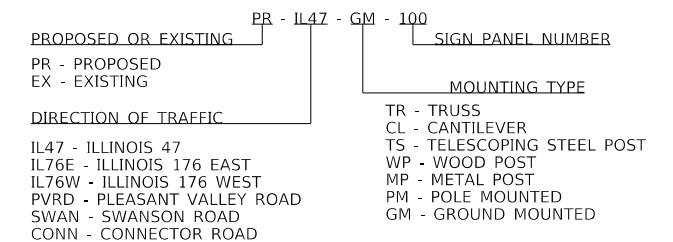
RELOCATE SIGN PANEL



**SIGNING NOTES:**

- FOR CLARITY, UTILITIES ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN ALL UTILITIES AND THE PROPOSED SIGNING PLAN.
- EXACT LOCATION FOR EACH SIGN IS PROVIDED IN THE SCHEDULE OF QUANTITIES.

**GUIDE SIGN SEQUENCE  
NUMBERING CODE  
EXAMPLE**



MODEL: D:\4641\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\CAD\_Sheets\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD.dwg



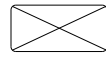
USER NAME = JackD	DESIGNED - MAG	REVISED -
DRAWN - DJW	REVISIONS -	
PLOT SCALE = 100.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 47  
SIGN REMOVAL PLAN

SCALE: 1" = 50' SHEET 7 OF 8 SHEETS STA. 641+00.00 TO STA. 656+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	415
				CONTRACT NO. 62B43
ILLINOIS FED. AID PROJECT				



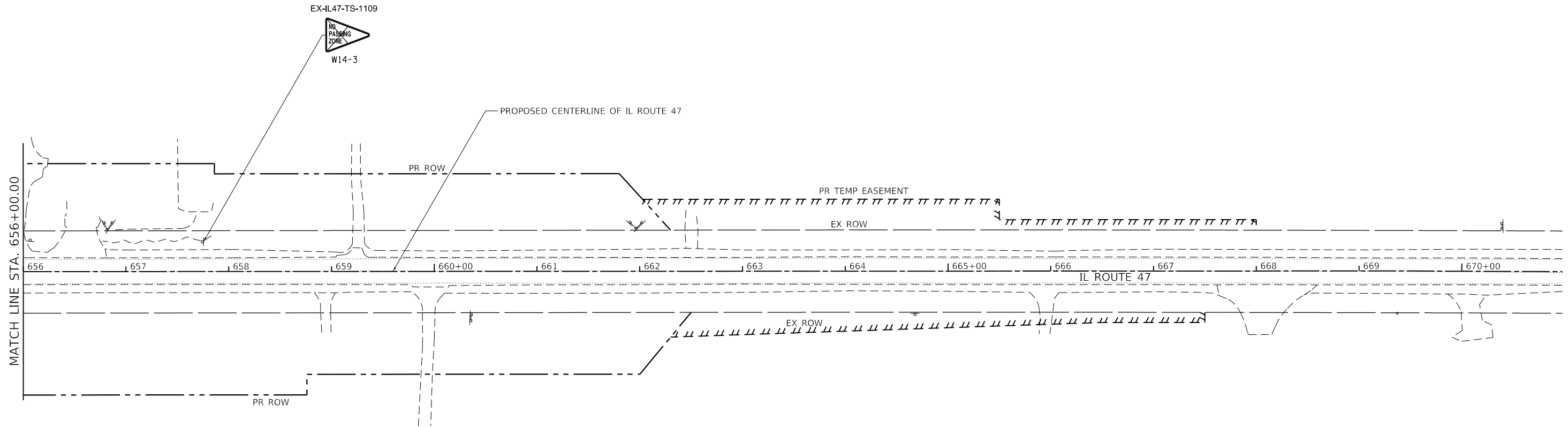
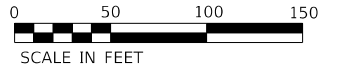
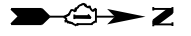
REMOVE SIGN PANEL ASSEMBLY



EXISTING SIGN PANEL ASSEMBLY TO REMAIN



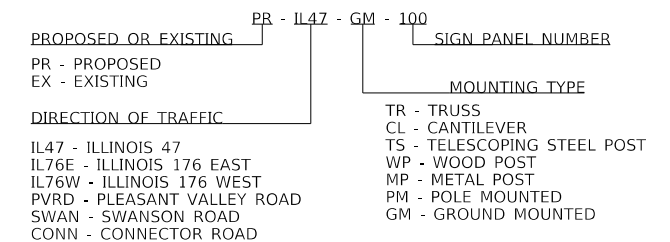
RELOCATE SIGN PANEL



**SIGNING NOTES:**

- FOR CLARITY, UTILITIES ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN ALL UTILITIES AND THE PROPOSED SIGNING PLAN.
- EXACT LOCATION FOR EACH SIGN IS PROVIDED IN THE SCHEDULE OF QUANTITIES.

**GUIDE SIGN SEQUENCE  
NUMBERING CODE  
EXAMPLE**



MODEL Dwg.rvt  
FILE NAME: S:\01\16300-6399\16300\16300\16300\CAD\_Sheets\16300-6399\16300-6399.dwg



USER NAME = JackD	DESIGNED - MAG	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

DRAWN - DJW	REVISED -
CHECKED - SJG	REVISED -
DATE - 12/15/2023	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

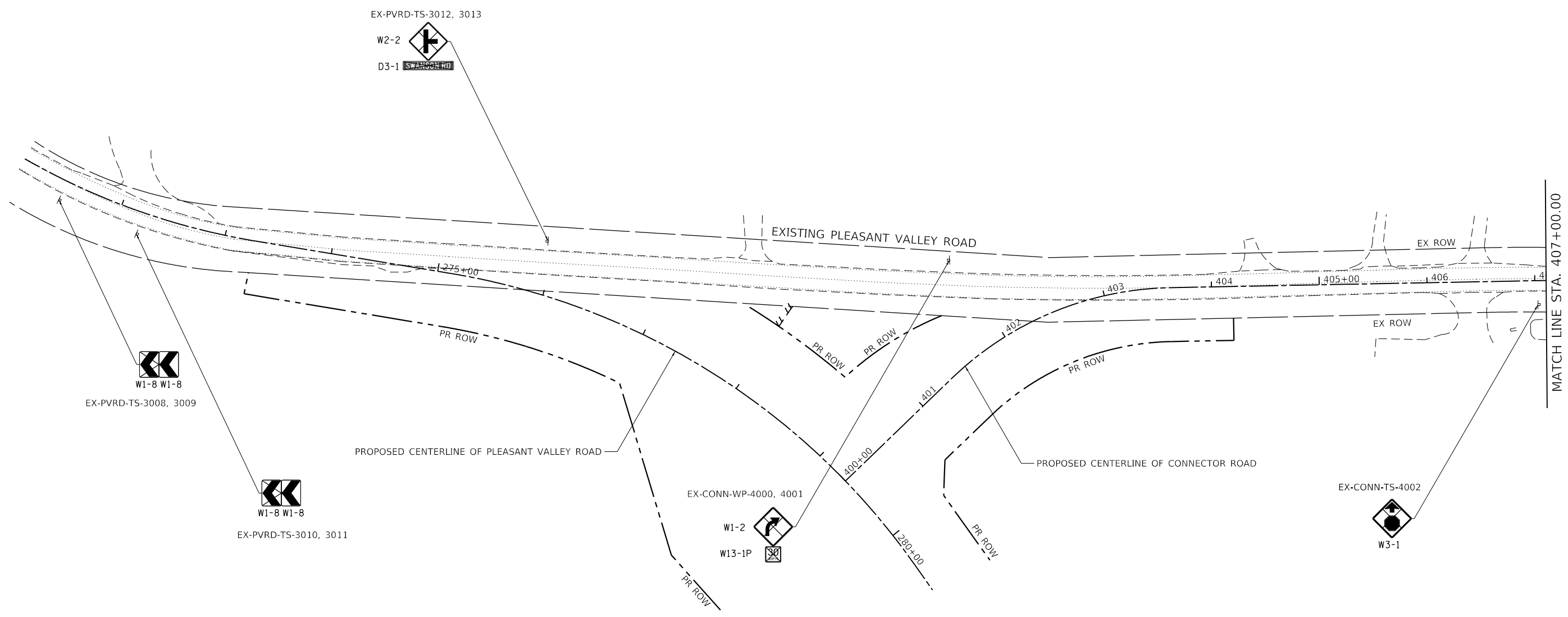
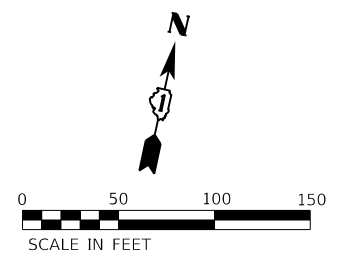
IL ROUTE 47  
SIGN REMOVAL PLAN

SCALE: 1" = 50' SHEET 8 OF 8 SHEETS STA. 656+00.00 TO STA. 671+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	416
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



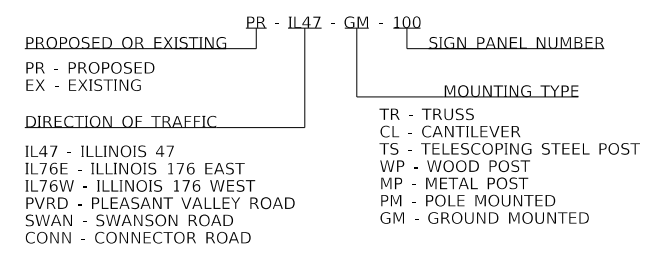
REMOVE SIGN PANEL ASSEMBLY  
 EXISTING SIGN PANEL ASSEMBLY TO REMAIN  
 RELOCATE SIGN PANEL



**SIGNING NOTES:**

- FOR CLARITY, UTILITIES ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN ALL UTILITIES AND THE PROPOSED SIGNING PLAN.
- EXACT LOCATION FOR EACH SIGN IS PROVIDED IN THE SCHEDULE OF QUANTITIES.

**GUIDE SIGN SEQUENCE  
NUMBERING CODE  
EXAMPLE**



MODEL: D:\p\1170\1170-00-62B43-00\62B43-01.dgn  
 FILE NAME: 1170-00-62B43-01.dwg  
 USER: jackd



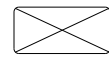
USER NAME = jackd	DESIGNED - MAG	REVISED -
DRAWN - DJW	REVISOR -	
PLOT SCALE = 100.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING PLEASANT VALLEY ROAD  
SIGN REMOVAL PLAN**

SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. 271+00.00 TO STA. 407+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	417
				CONTRACT NO. 62B43
		ILLINOIS FED. AID PROJECT		



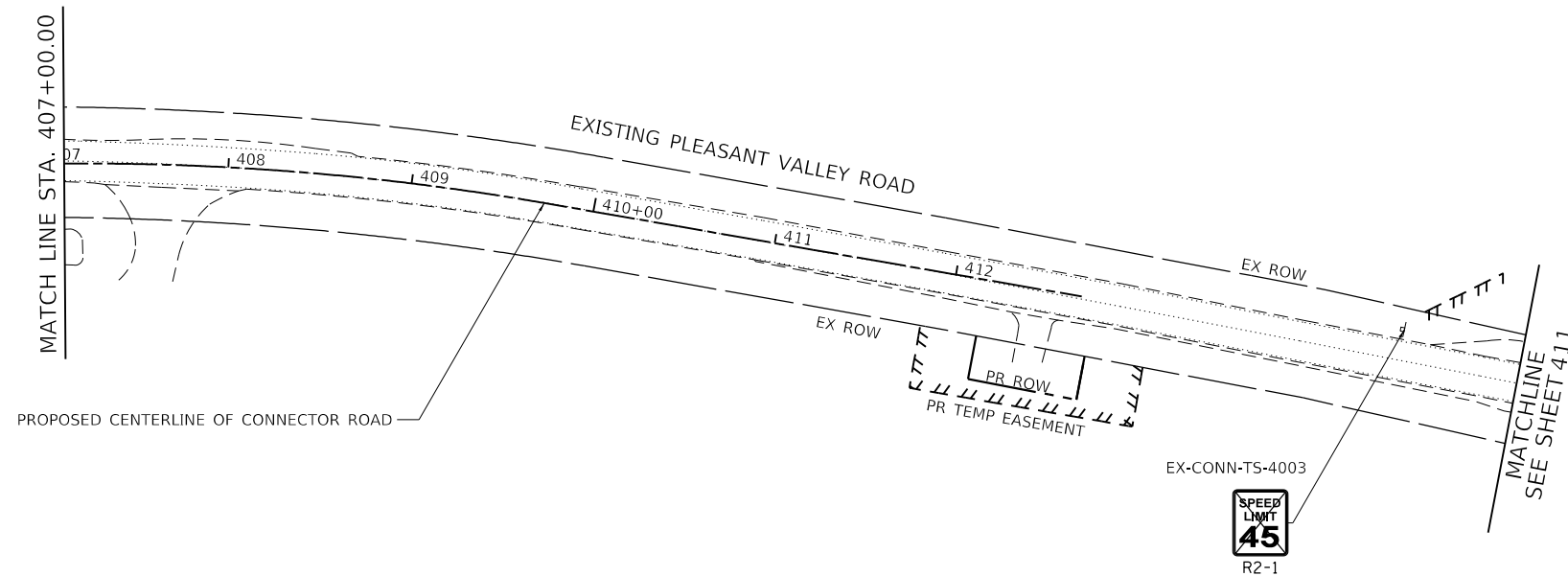
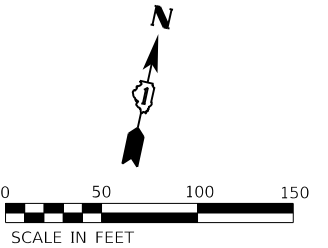
REMOVE SIGN PANEL ASSEMBLY



EXISTING SIGN PANEL ASSEMBLY TO REMAIN



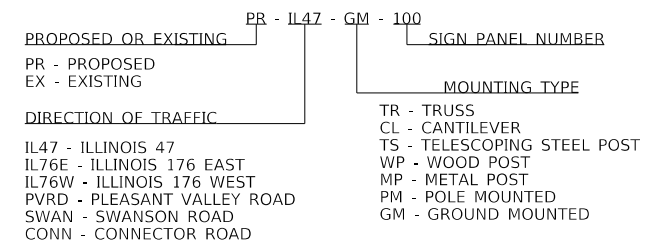
RELOCATE SIGN PANEL



**SIGNING NOTES:**

- FOR CLARITY, UTILITIES ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN ALL UTILITIES AND THE PROPOSED SIGNING PLAN.
- EXACT LOCATION FOR EACH SIGN IS PROVIDED IN THE SCHEDULE OF QUANTITIES.

**GUIDE SIGN SEQUENCE  
NUMBERING CODE  
EXAMPLE**



MODEL Dwg.rvt  
FILE NAME: S:\01\16300-6399\163406\06\163406\CAD\_Sheets\163406-511-163406-removal-Conn-02.dgn






USER NAME = JackD	DESIGNED - MAG	REVISED -
DRAWN - DJW	REVISIONS -	
PLOT SCALE = 100.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

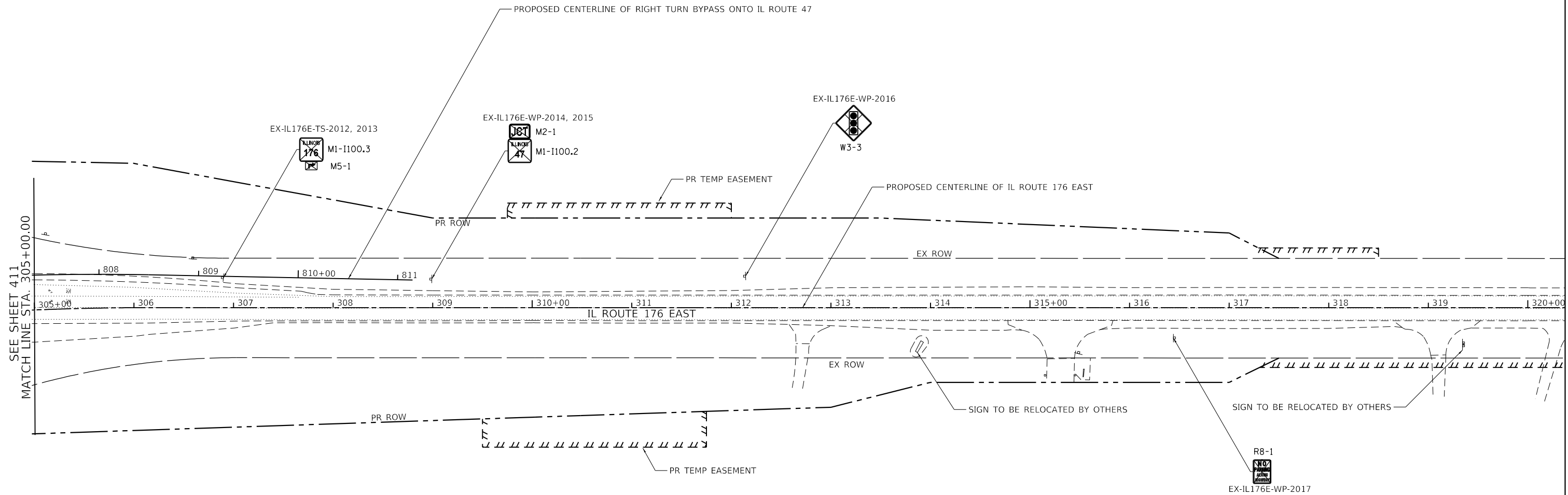
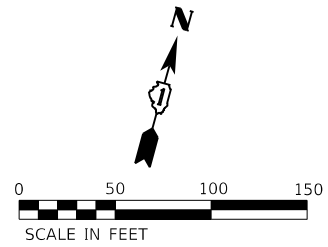
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING PLEASANT VALLEY ROAD  
SIGN REMOVAL PLAN

SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. 407+00.00 TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	418
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

-  REMOVE SIGN PANEL ASSEMBLY
-  EXISTING SIGN PANEL ASSEMBLY TO REMAIN
-  RELOCATE SIGN PANEL

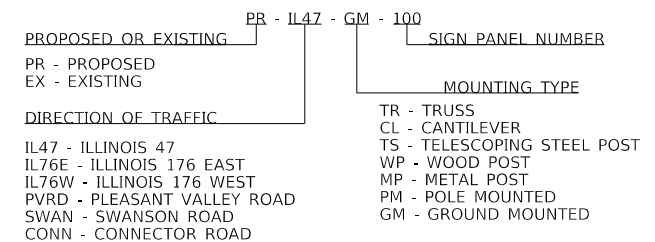


SEE SHEET 411  
MATCH LINE STA. 305+00.00

**SIGNING NOTES:**

1. FOR CLARITY, UTILITIES ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN ALL UTILITIES AND THE PROPOSED SIGNING PLAN.
2. EXACT LOCATION FOR EACH SIGN IS PROVIDED IN THE SCHEDULE OF QUANTITIES.

**GUIDE SIGN SEQUENCE  
NUMBERING CODE  
EXAMPLE**



MODEL: D:\411\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\CAD\_Sheets\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD.dgn






USER NAME = JackD	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

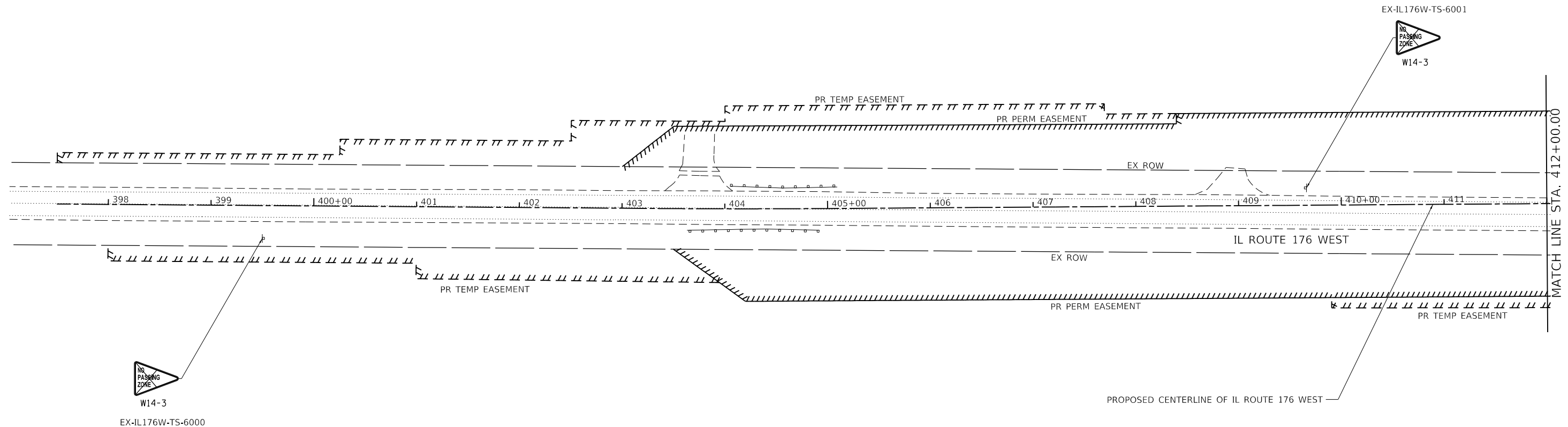
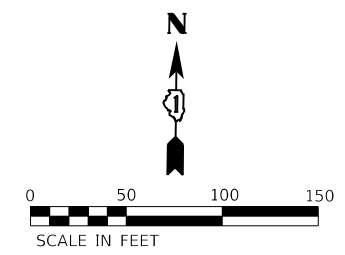
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (EAST)  
SIGN REMOVAL PLAN**

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. 305+00.00 TO STA. 320+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	419
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

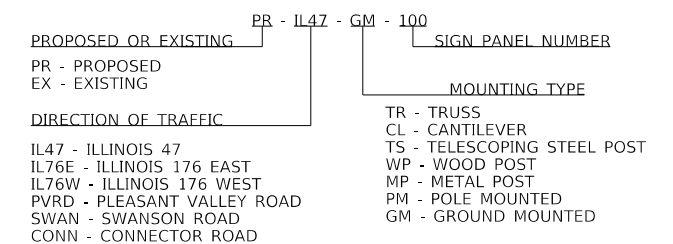
-  REMOVE SIGN PANEL ASSEMBLY
-  EXISTING SIGN PANEL ASSEMBLY TO REMAIN
-  RELOCATE SIGN PANEL



**SIGNING NOTES:**

1. FOR CLARITY, UTILITIES ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN ALL UTILITIES AND THE PROPOSED SIGNING PLAN.
2. EXACT LOCATION FOR EACH SIGN IS PROVIDED IN THE SCHEDULE OF QUANTITIES.

**GUIDE SIGN SEQUENCE  
NUMBERING CODE  
EXAMPLE**



MODEL: D:\p1\1170 SOUTH HOUBOLT ROAD\1170W.DGN  
FILE NAME: S:\01\1170-00-03\1170W-TS-6000\CAD\_Sheets\1170W-TS-6000.dgn








USER NAME = JackD	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

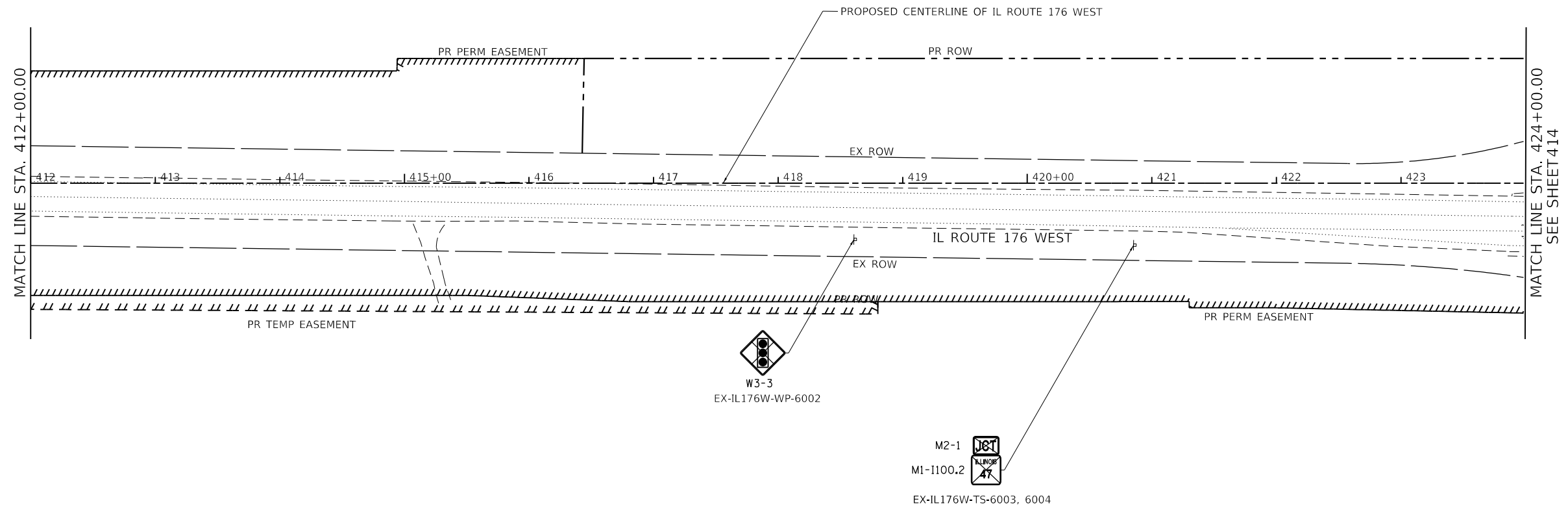
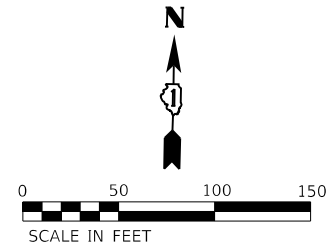
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (WEST)  
SIGN REMOVAL PLAN**

SCALE: 1" = 50'    SHEET 1 OF 2 SHEETS    STA. 400+00.00 TO STA. 412+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	420
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

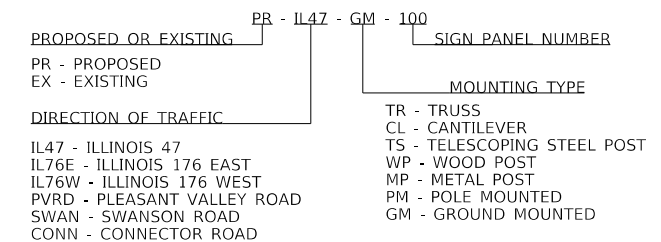
-  REMOVE SIGN PANEL ASSEMBLY
-   EXISTING SIGN PANEL ASSEMBLY TO REMAIN
-   RELOCATE SIGN PANEL



**SIGNING NOTES:**

1. FOR CLARITY, UTILITIES ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN ALL UTILITIES AND THE PROPOSED SIGNING PLAN.
2. EXACT LOCATION FOR EACH SIGN IS PROVIDED IN THE SCHEDULE OF QUANTITIES.

**GUIDE SIGN SEQUENCE  
NUMBERING CODE  
EXAMPLE**



MODEL: D:\m\h\1176W\1176W.dgn  
FILE NAME: S:\01\1176W\1176W.dgn  
PROJECT: 1176W-02.dgn



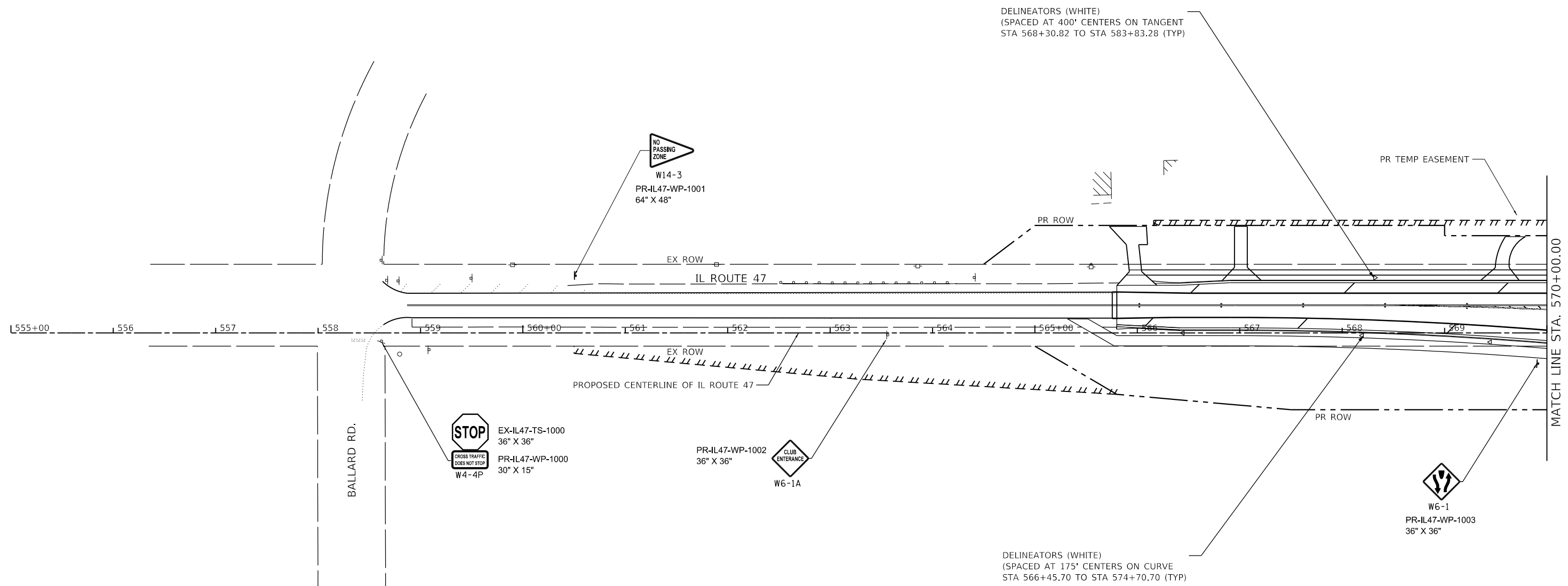
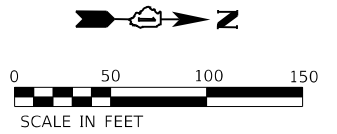
USER NAME = JackD	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (WEST)  
SIGN REMOVAL PLAN**

SCALE: 1" = 50'    SHEET 2 OF 2 SHEETS    STA. 412+00.00 TO STA. 424+00.00

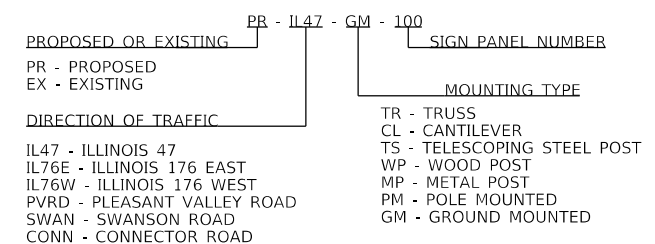
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	421
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**SIGNING NOTES:**

- SIGNS SHALL BE PLACED AT A LATERAL OFFSET PER MUTCD 2009 STANDARDS.
- FOR CLARITY, UTILITIES ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN ALL UTILITIES AND THE PROPOSED SIGNING PLAN.
- SEE SIGNING DETAIL SHEET FOR SIGN INFORMATION.
- EXACT LOCATION FOR EACH SIGN AND DELINEATOR IS PROVIDED IN THE SCHEDULE OF QUANTITIES.

**GUIDE SIGN SEQUENCE  
NUMBERING CODE  
EXAMPLE**



MODEL: D:\47.dwg  
 FILE NAME: S:\01\63200-63209\63209\63209\63209\CAD\_Sheets\162843-5-16-23\162843-5-16-23.dwg  
 STRAND ASSOCIATES

1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200

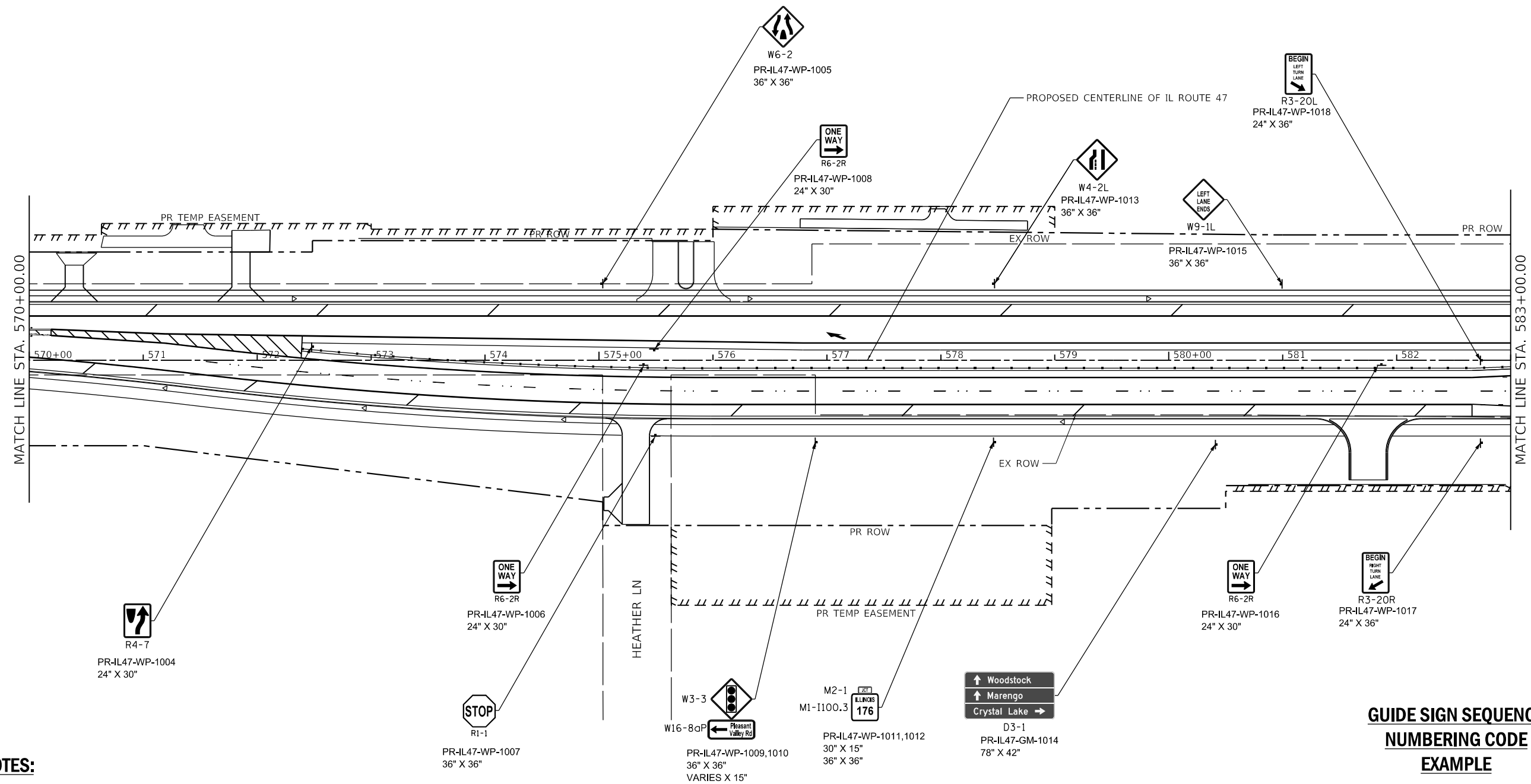
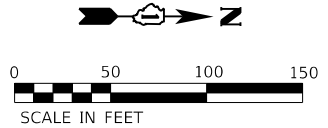
USER NAME = JackD	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47  
SIGNING PLAN**

SCALE: 1" = 50'    SHEET 1 OF 8 SHEETS    STA. 555+00.00 TO STA. 570+00.00

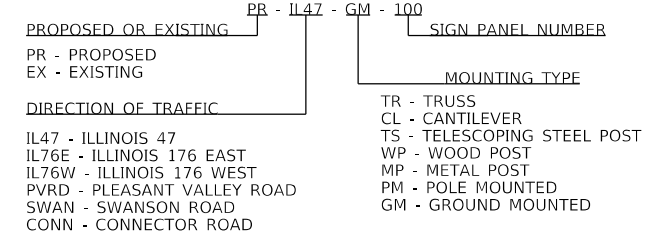
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	422
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**SIGNING NOTES:**

1. SIGNS SHALL BE PLACED AT A LATERAL OFFSET PER MUTCD 2009 STANDARDS.
2. FOR CLARITY, UTILITIES ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN ALL UTILITIES AND THE PROPOSED SIGNING PLAN.
3. SEE SIGNING DETAIL SHEET FOR SIGN INFORMATION.
4. EXACT LOCATION FOR EACH SIGN AND DELINEATOR IS PROVIDED IN THE SCHEDULE OF QUANTITIES.

**GUIDE SIGN SEQUENCE NUMBERING CODE EXAMPLE**



MODEL: D:\47.dwg  
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 STRAND ASSOCIATES



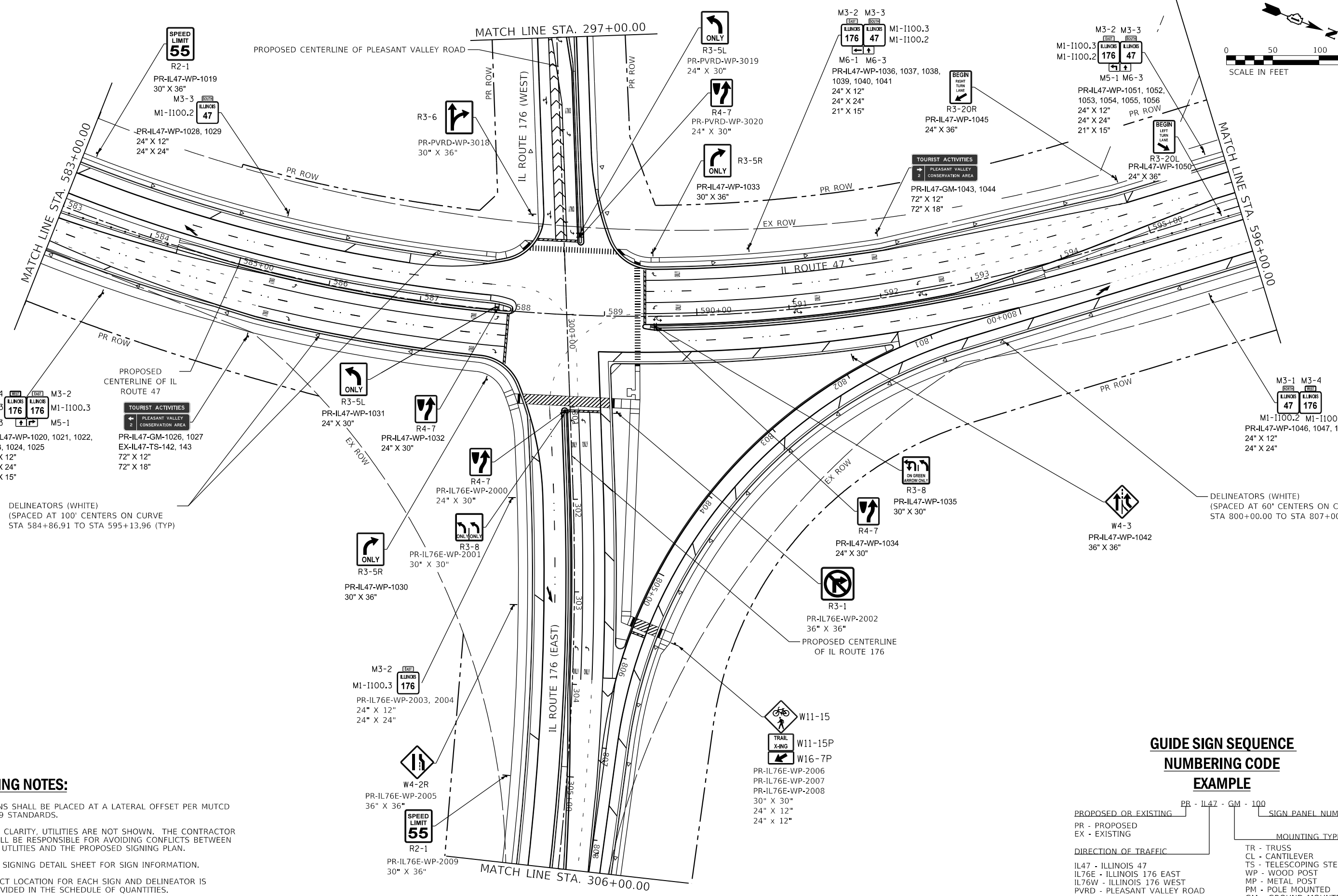
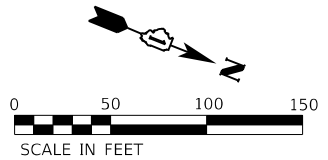
USER NAME = JackD	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47  
SIGNING PLAN**

SCALE: 1" = 50'    SHEET 2 OF 8 SHEETS    STA. 570+00.00 TO STA. 583+00.00

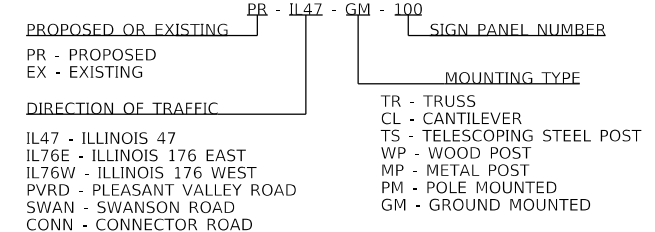
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	423
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**SIGNING NOTES:**

- SIGNS SHALL BE PLACED AT A LATERAL OFFSET PER MUTCD 2009 STANDARDS.
- FOR CLARITY, UTILITIES ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN ALL UTILITIES AND THE PROPOSED SIGNING PLAN.
- SEE SIGNING DETAIL SHEET FOR SIGN INFORMATION.
- EXACT LOCATION FOR EACH SIGN AND DELINEATOR IS PROVIDED IN THE SCHEDULE OF QUANTITIES.

**GUIDE SIGN SEQUENCE NUMBERING CODE EXAMPLE**



MODEL: D:\47.dwg  
 FILE NAME: S:\01\15300-6399\15300-6399\15300-6399\CAD\_Sheets\15300-6399-15300-6399-15300-6399.dwg



USER NAME = JackD	DESIGNED - MAG	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/19/2023	CHECKED - SIG	REVISED -
	DATE - 12/15/2023	REVISED -

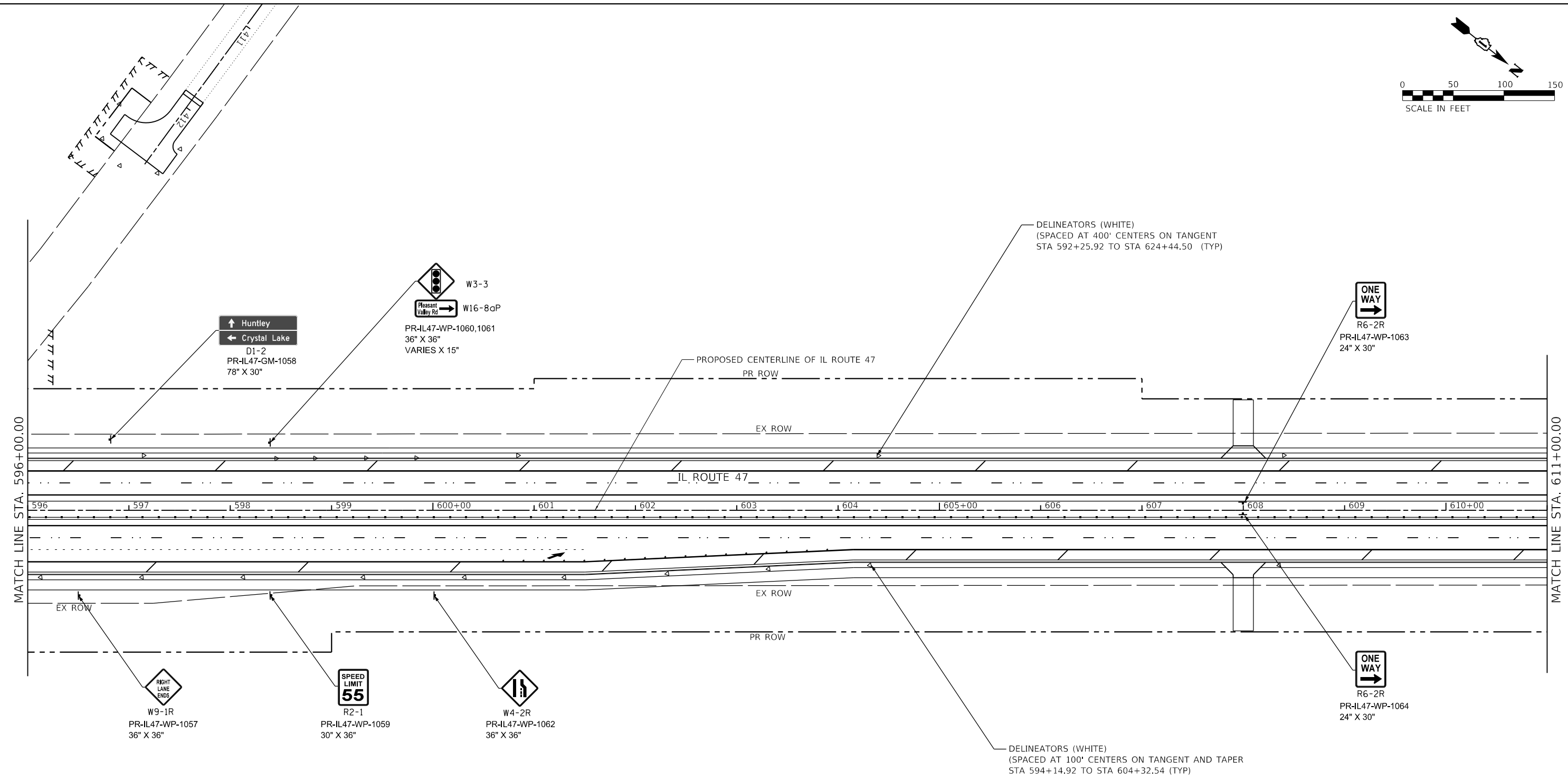
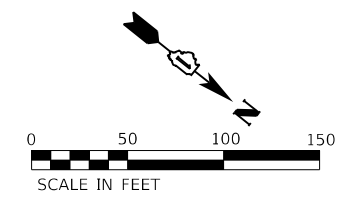
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47  
SIGNING PLAN**

SCALE: 1" = 50'    SHEET 3 OF 8 SHEETS    STA. 583+00.00 TO STA. 596+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 424
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B43	

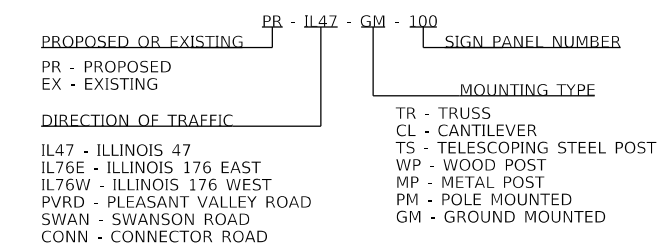




**SIGNING NOTES:**

1. SIGNS SHALL BE PLACED AT A LATERAL OFFSET PER MUTCD 2009 STANDARDS.
2. FOR CLARITY, UTILITIES ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN ALL UTILITIES AND THE PROPOSED SIGNING PLAN.
3. SEE SIGNING DETAIL SHEET FOR SIGN INFORMATION.
4. EXACT LOCATION FOR EACH SIGN AND DELINEATOR IS PROVIDED IN THE SCHEDULE OF QUANTITIES.

**GUIDE SIGN SEQUENCE  
NUMBERING CODE  
EXAMPLE**



MODEL: D:\464\11  
 FILE NAME: S:\01\63200-63299\63406\63600\MM\road\CAD\_Signet\162843-514-04.dgn  
 SA STRAND ASSOCIATES

1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200

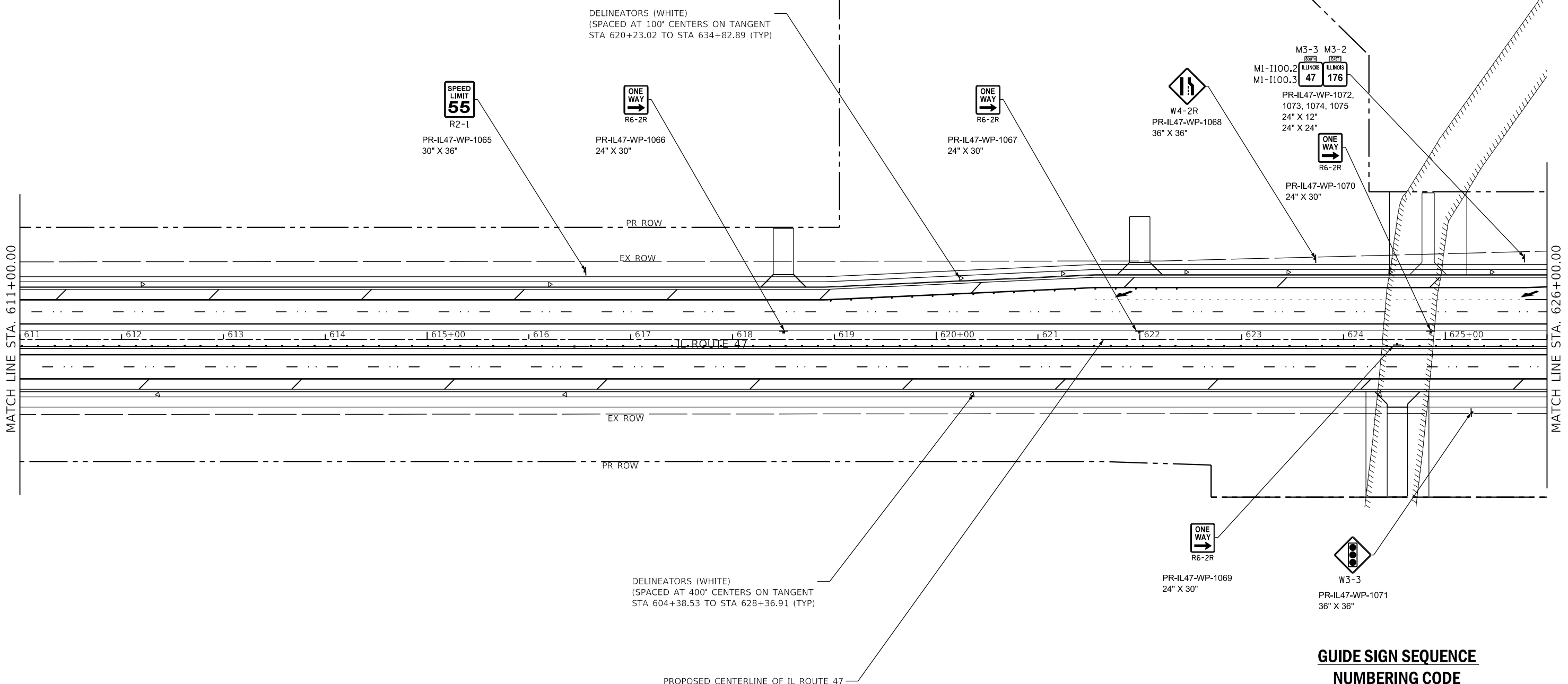
USER NAME = JackD	DESIGNED - MAG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/19/2023	CHECKED - SJG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47  
SIGNING PLAN**

SCALE: 1" = 50'    SHEET 4 OF 8 SHEETS    STA. 596+00.00 TO STA. 611+00.00

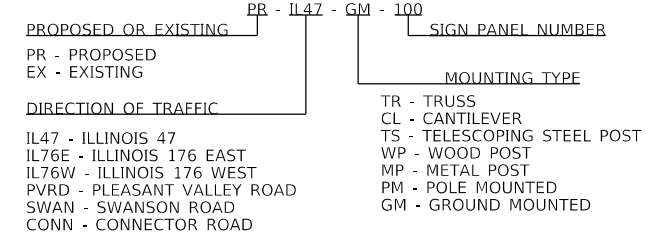
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	425
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**SIGNING NOTES:**

- SIGNS SHALL BE PLACED AT A LATERAL OFFSET PER MUTCD 2009 STANDARDS.
- FOR CLARITY, UTILITIES ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN ALL UTILITIES AND THE PROPOSED SIGNING PLAN.
- SEE SIGNING DETAIL SHEET FOR SIGN INFORMATION.
- EXACT LOCATION FOR EACH SIGN AND DELINEATOR IS PROVIDED IN THE SCHEDULE OF QUANTITIES.

**GUIDE SIGN SEQUENCE  
NUMBERING CODE  
EXAMPLE**



MODEL: D:\m4\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\CAD\_Sheets\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD.dwg

1170 SOUTH HOUBOLT ROAD  
JOLIET, ILLINOIS 60431  
(815) 744-4200

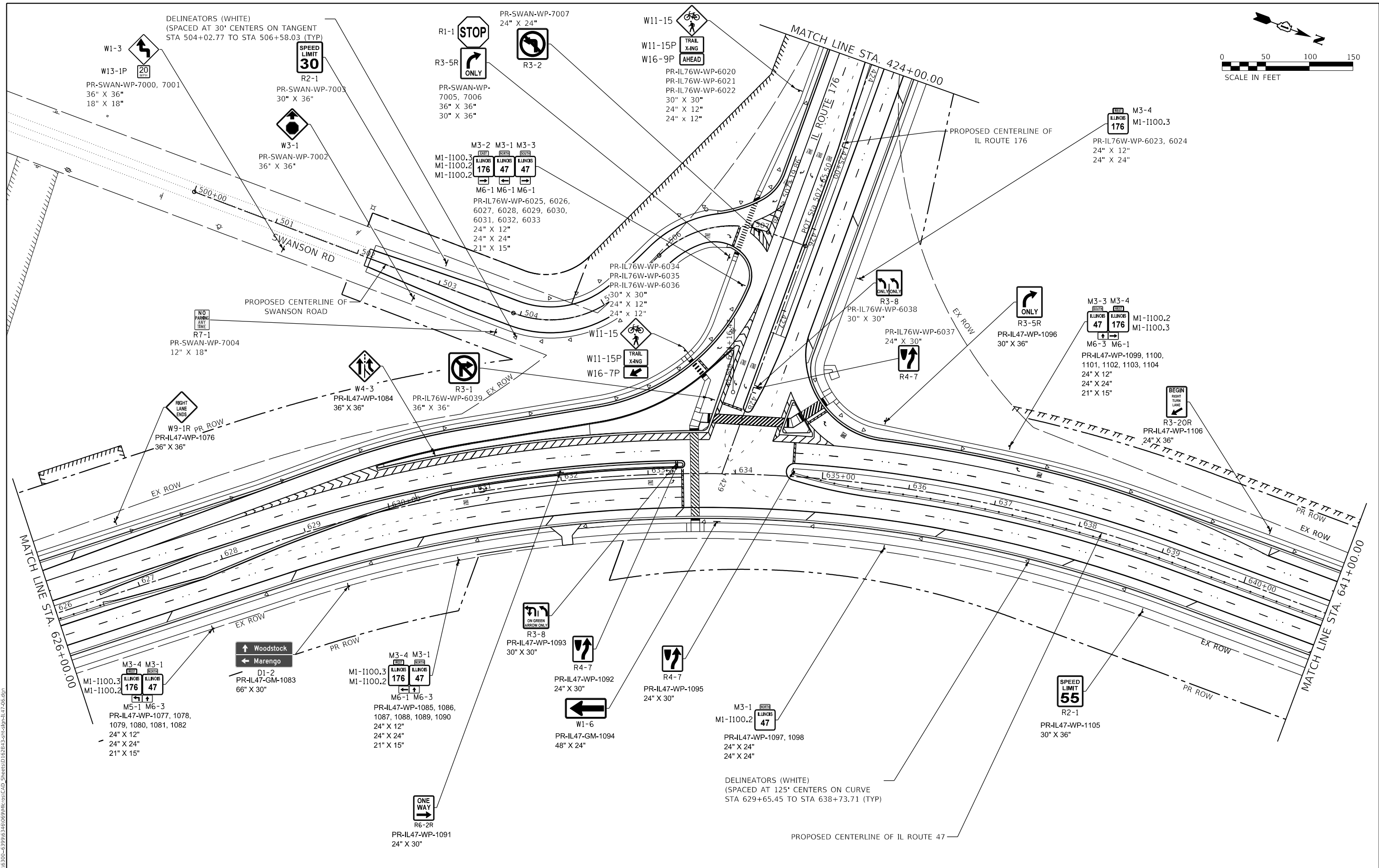
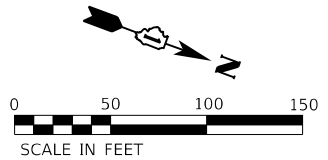
USER NAME = JackD	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47  
SIGNING PLAN**

SCALE: 1" = 50' SHEET 5 OF 8 SHEETS STA. 611+00.00 TO STA. 626+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	426
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	



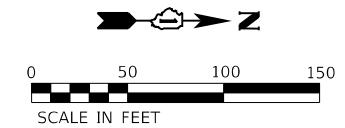
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 FILE: 62B43...  
 MODEL: D:\6411...  
 FILE: 62B43...

1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200

USER NAME = JackD	DESIGNED - MAG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/19/2023	CHECKED - SJG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 47</b> <b>SIGNING PLAN</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		326	105-N-2(15)	MCHENRY	803	427
SCALE: 1" = 50' SHEET 6 OF 8 SHEETS STA. 626+00.00 TO STA. 641+00.00		CONTRACT NO. 62B43 ILLINOIS FED. AID PROJECT				



PR-IL47-WP-1107, 1108,  
1109, 1110, 1111, 1112  
24" X 12"  
24" X 24"  
21" X 15"  
M3-3 M3-4  
LINKERS LINKERS  
47 176  
M1-I100.2  
M1-I100.3  
M6-3 M5-1

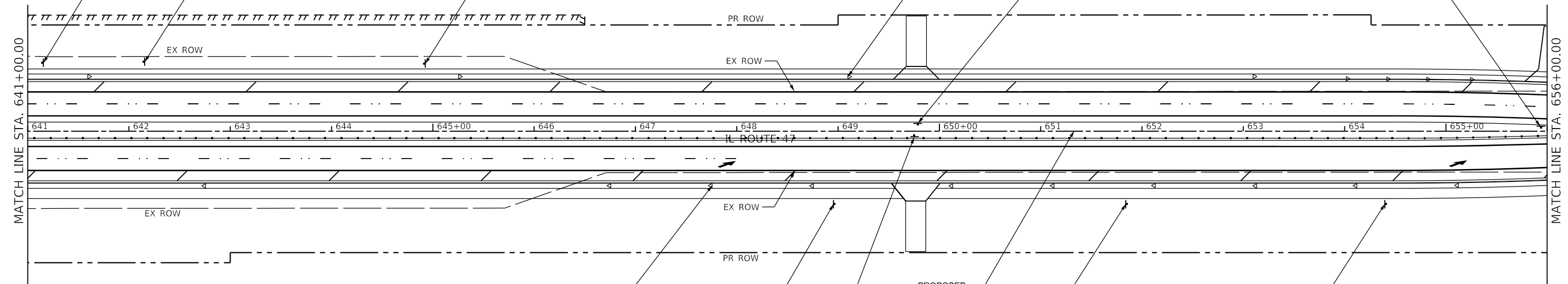
Huntley  
Crystal Lake  
Marengo  
D3-1  
PR-IL47-GM-1113  
72" X 42"

W3-3  
PR-IL47-WP-1114  
36" X 36"

DELINEATORS (WHITE)  
(SPACED AT 400' CENTERS ON TANGENT  
STA 640+40.63 TO STA 649+09.69 (TYP))

ONE WAY  
R6-2R  
PR-IL47-WP-1117  
24" X 30"

ONE WAY  
R6-2R  
PR-IL47-WP-1120  
24" X 30"



DELINEATORS (WHITE)  
(SPACED AT 100' CENTERS ON TANGENT  
STA 647+75.66 TO STA 656+58.22 (TYP))

RIGHT LANE ENDS  
W9-1R  
PR-IL47-WP-1115  
36" X 36"

W6-2  
PR-IL47-WP-1118  
36" X 36"

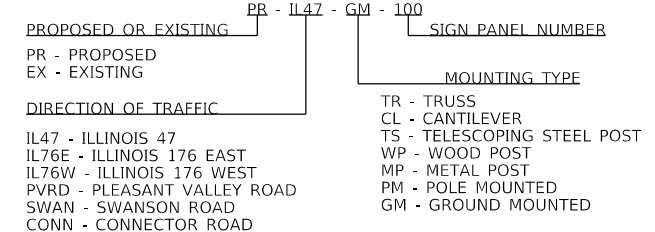
W4-2R  
PR-IL47-WP-1119  
36" X 36"

ONE WAY  
R6-2R  
PR-IL47-WP-1116  
24" X 30"

**SIGNING NOTES:**

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- FOR CLARITY, UTILITIES ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN ALL UTILITIES AND THE PROPOSED SIGNING PLAN.
- SEE SIGNING DETAIL SHEET FOR SIGN INFORMATION.
- EXACT LOCATION FOR EACH SIGN AND DELINEATOR IS PROVIDED IN THE SCHEDULE OF QUANTITIES.

**GUIDE SIGN SEQUENCE  
NUMBERING CODE  
EXAMPLE**



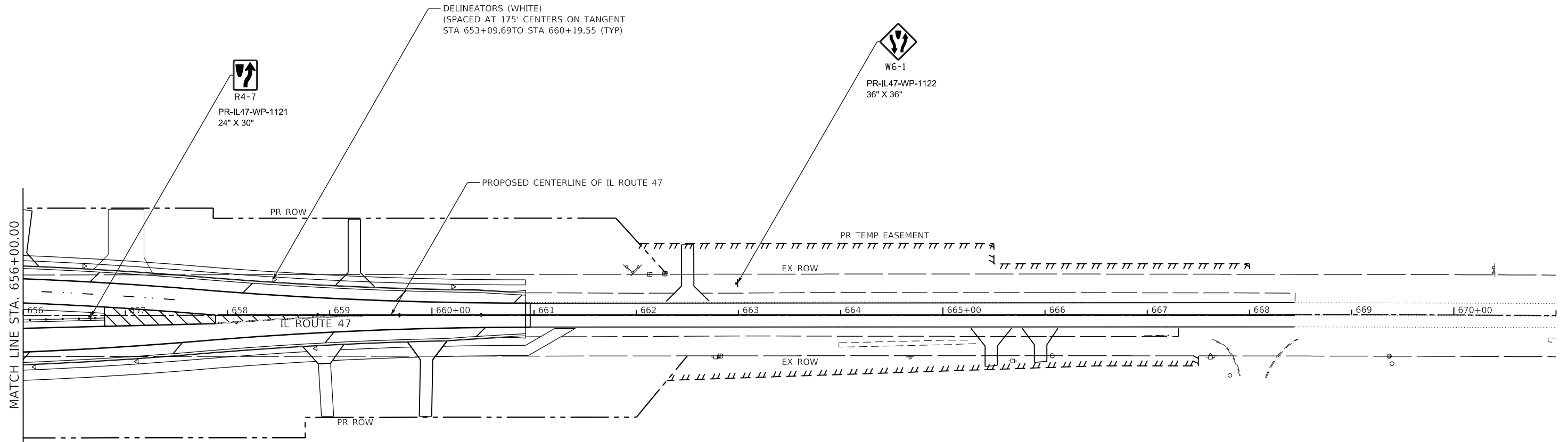
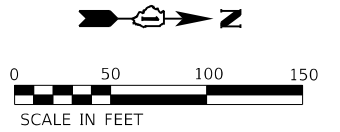
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FILE NAME: S:\01\16300-6399\16348\06\06\16348\16348-16348.dwg  
SHEET: 16348-16348.dwg  
DATE: 12/19/2023

USER NAME = JackD	DESIGNED - MAG	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/19/2023	CHECKED - SIG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 47 SIGNING PLAN</b>	
SCALE: 1" = 50'	SHEET 7 OF 8 SHEETS
STA. 641+00.00 TO STA. 656+00.00	

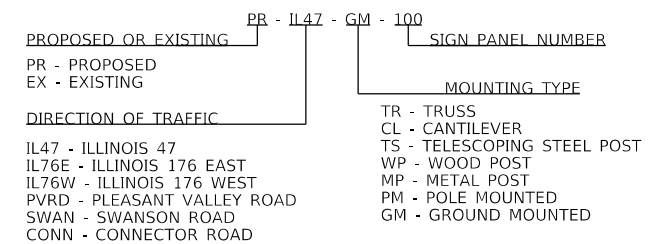
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	428
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**SIGNING NOTES:**

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- SEE SIGNING DETAIL SHEET FOR SIGN INFORMATION.
- EXACT LOCATION FOR EACH SIGN AND DELINEATOR IS PROVIDED IN THE SCHEDULE OF QUANTITIES.

**GUIDE SIGN SEQUENCE  
NUMBERING CODE  
EXAMPLE**



MODEL: D:\47.dgn  
 FILE NAME: S:\01\16300-6329\16300-6329\16300-6329\CAD\_Sheets\16300-6329-5.dwg  
 USER: DJW



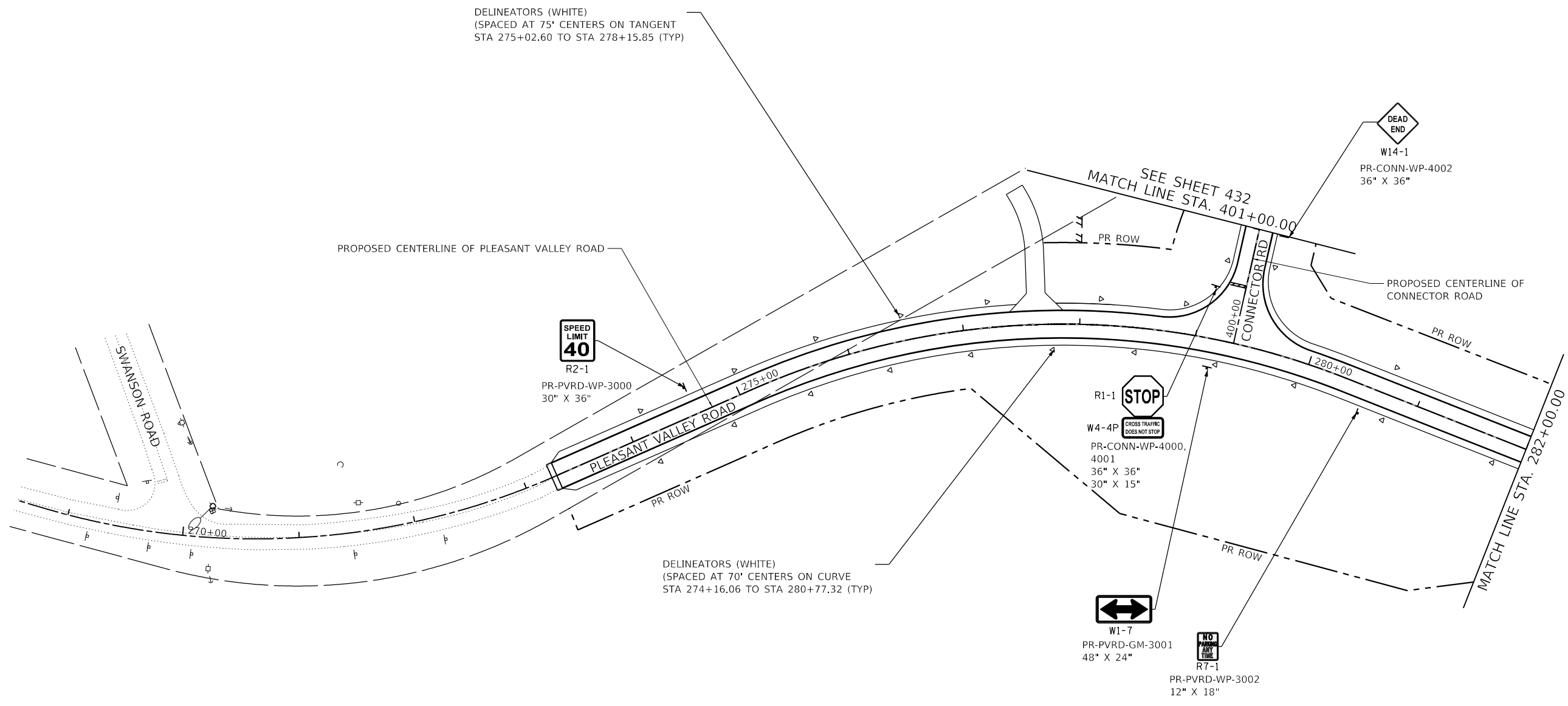
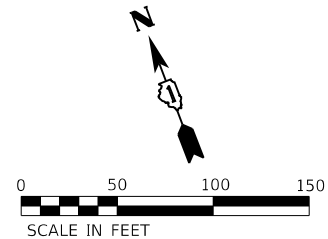
USER NAME = JackD	DESIGNED - MAG	REVISED -
DRAWN - DJW	REVISIONS -	
PLOT SCALE = 100.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47  
SIGNING PLAN**

SCALE: 1" = 50' SHEET 8 OF 8 SHEETS STA. 656+00.00 TO STA. 671+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	429
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



DELINEATORS (WHITE)  
(SPACED AT 75' CENTERS ON TANGENT  
STA 275+02.60 TO STA 278+15.85 (TYP))

PROPOSED CENTERLINE OF PLEASANT VALLEY ROAD

**SPEED LIMIT 40**  
R2-1  
PR-PVRD-WP-3000  
30" X 36"

DELINEATORS (WHITE)  
(SPACED AT 70' CENTERS ON CURVE  
STA 274+16.06 TO STA 280+77.32 (TYP))

**STOP**  
R1-1  
W4-4P  
PR-CONN-WP-4000,  
4001  
36" X 36"  
30" X 15"

**NO PARKING ANY TIME**  
R7-1  
PR-PVRD-GM-3001  
48" X 24"

**NO PARKING ANY TIME**  
R7-1  
PR-PVRD-WP-3002  
12" X 18"

**DEAD END**  
W14-1  
PR-CONN-WP-4002  
36" X 36"

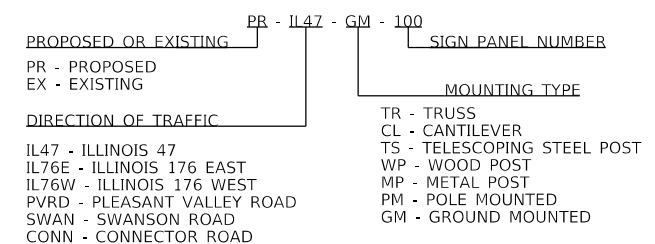
SEE SHEET 432  
MATCH LINE STA. 401+00.00

MATCH LINE STA. 282+00.00

**SIGNING NOTES:**

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- SEE SIGNING DETAIL SHEET FOR SIGN INFORMATION.
- EXACT LOCATION FOR EACH SIGN AND DELINEATOR IS PROVIDED IN THE SCHEDULE OF QUANTITIES.

**GUIDE SIGN SEQUENCE  
NUMBERING CODE  
EXAMPLE**



MODEL: D:\64bit\SA\1170 SOUTH HOUBOLT ROAD\CAD\_Signing\1170S\_HOUBOLT\_Road\1170S\_HOUBOLT\_Road\_PVRD.dgn



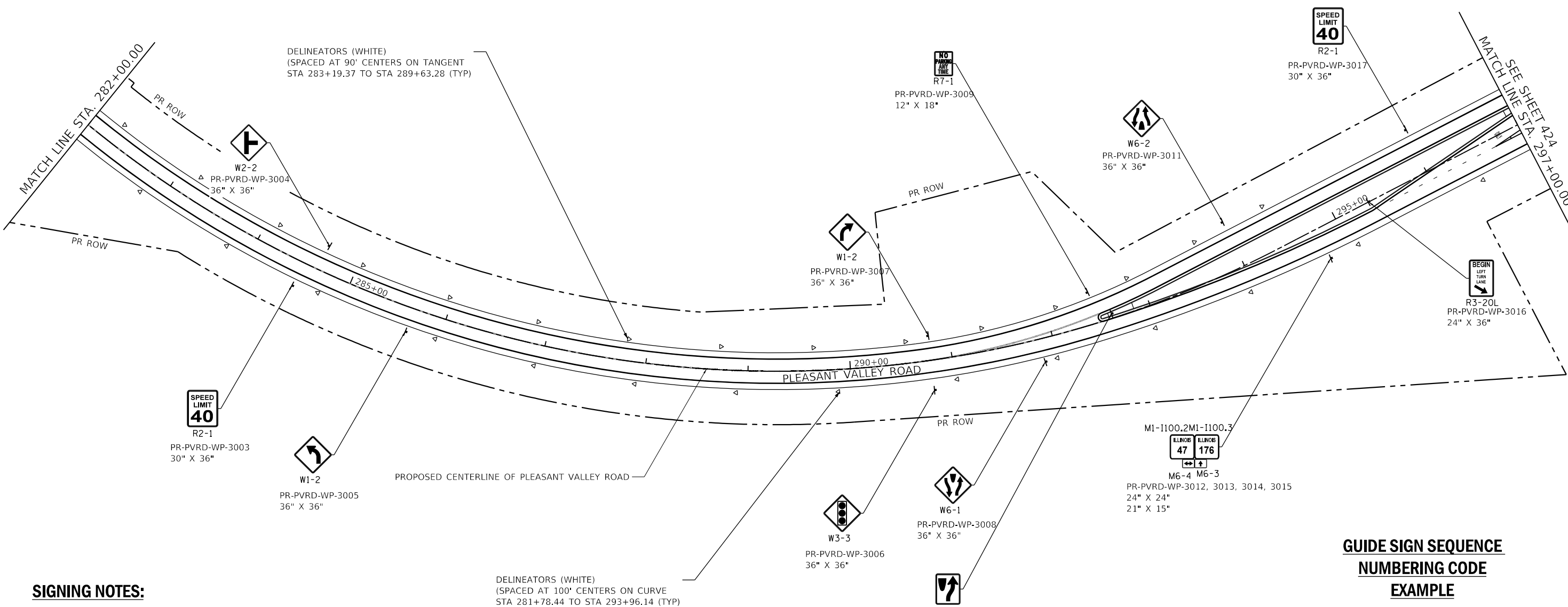
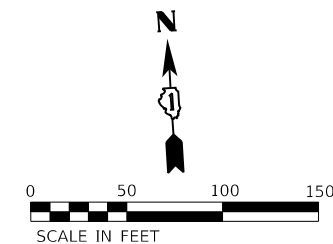
USER NAME = JackD	DESIGNED - MAG	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/19/2023	CHECKED - SJG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLEASANT VALLEY ROAD  
SIGNING PLAN**

SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. 267+00.00 TO STA. 282+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 430
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**SIGNING NOTES:**

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- SEE SIGNING DETAIL SHEET FOR SIGN INFORMATION.
- EXACT LOCATION FOR EACH SIGN AND DELINEATOR IS PROVIDED IN THE SCHEDULE OF QUANTITIES.

**GUIDE SIGN SEQUENCE NUMBERING CODE EXAMPLE**

PROPOSED OR EXISTING: PR - PROPOSED, EX - EXISTING

DIRECTION OF TRAFFIC: IL47 - ILLINOIS 47, IL76E - ILLINOIS 176 EAST, IL76W - ILLINOIS 176 WEST, PVRD - PLEASANT VALLEY ROAD, SWAN - SWANSON ROAD, CONN - CONNECTOR ROAD

SIGN PANEL NUMBER: PR - IL47 - GM - 100

MOUNTING TYPE: TR - TRUSS, CL - CANTILEVER, TS - TELESCOPING STEEL POST, WP - WOOD POST, MP - METAL POST, PM - POLE MOUNTED, GM - GROUND MOUNTED

MODEL Dwg.kit  
 FILE NAME: S:\01\15300-6399\15300-6399\15300-6399\CAD\_Signing\15300-6399-PVRD.dwg  
 STRAND ASSOCIATES



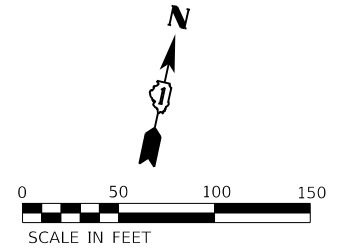
USER NAME = JackD	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

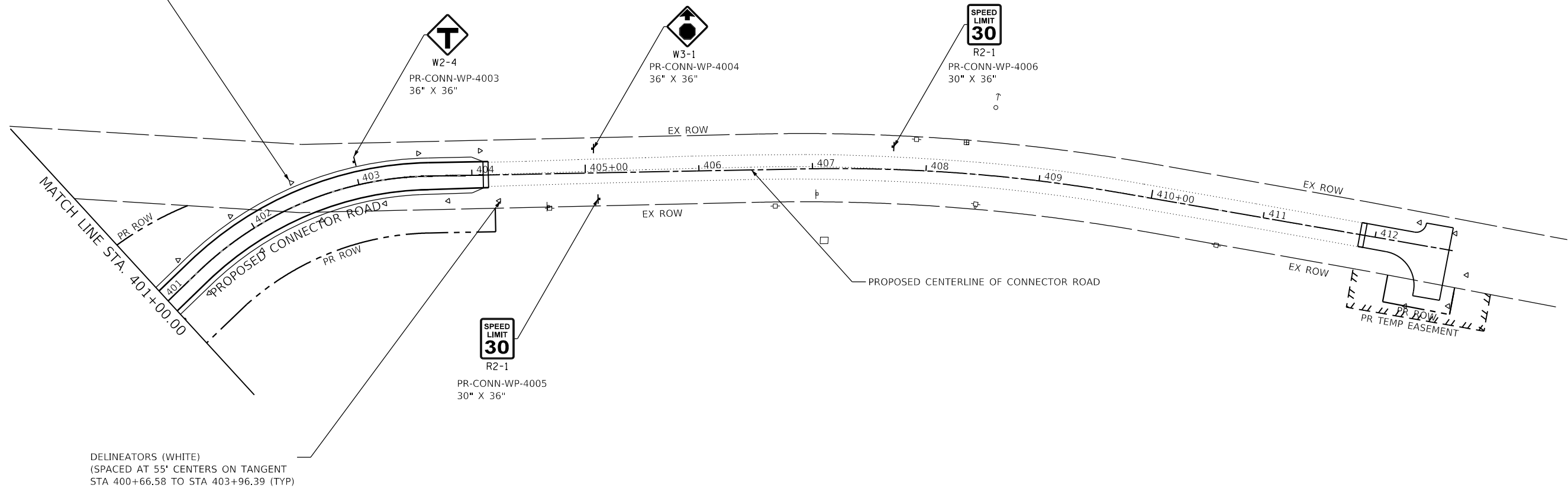
**PLEASANT VALLEY ROAD  
SIGNING PLAN**

SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. 282+00.00 TO STA. 297+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 431
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	



DELINEATORS (WHITE)  
(SPACED AT 55'  
CENTERS ON CURVE  
STA 400+73.54 TO  
STA 404+14.20 (TYP))



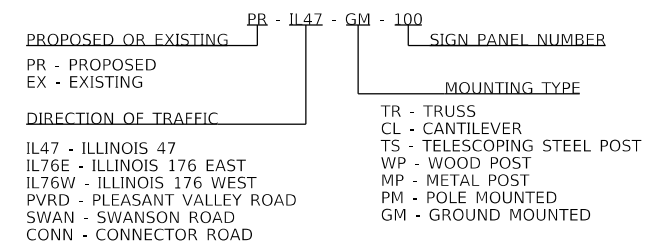
DELINEATORS (WHITE)  
(SPACED AT 55' CENTERS ON TANGENT  
STA 400+66.58 TO STA 403+96.39 (TYP))

**SIGNING NOTES:**

1. SIGNS SHALL BE PLACED AT A LATERAL OFFSET PER MUTCD 2009 STANDARDS.
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3. SEE SIGNING DETAIL SHEET FOR SIGN INFORMATION.
4. EXACT LOCATION FOR EACH SIGN AND DELINEATOR IS PROVIDED IN THE SCHEDULE OF QUANTITIES.

**GUIDE SIGN SEQUENCE  
NUMBERING CODE**

**EXAMPLE**



MODEL: D:\dgn\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\CAD\_Signing\1170 SOUTH HOUBOLT ROAD\CAD\_Signing\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD.dgn



USER NAME = JackD	DESIGNED - MAG	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/19/2023	CHECKED - SJG	REVISED -
	DATE - 12/15/2023	REVISED -

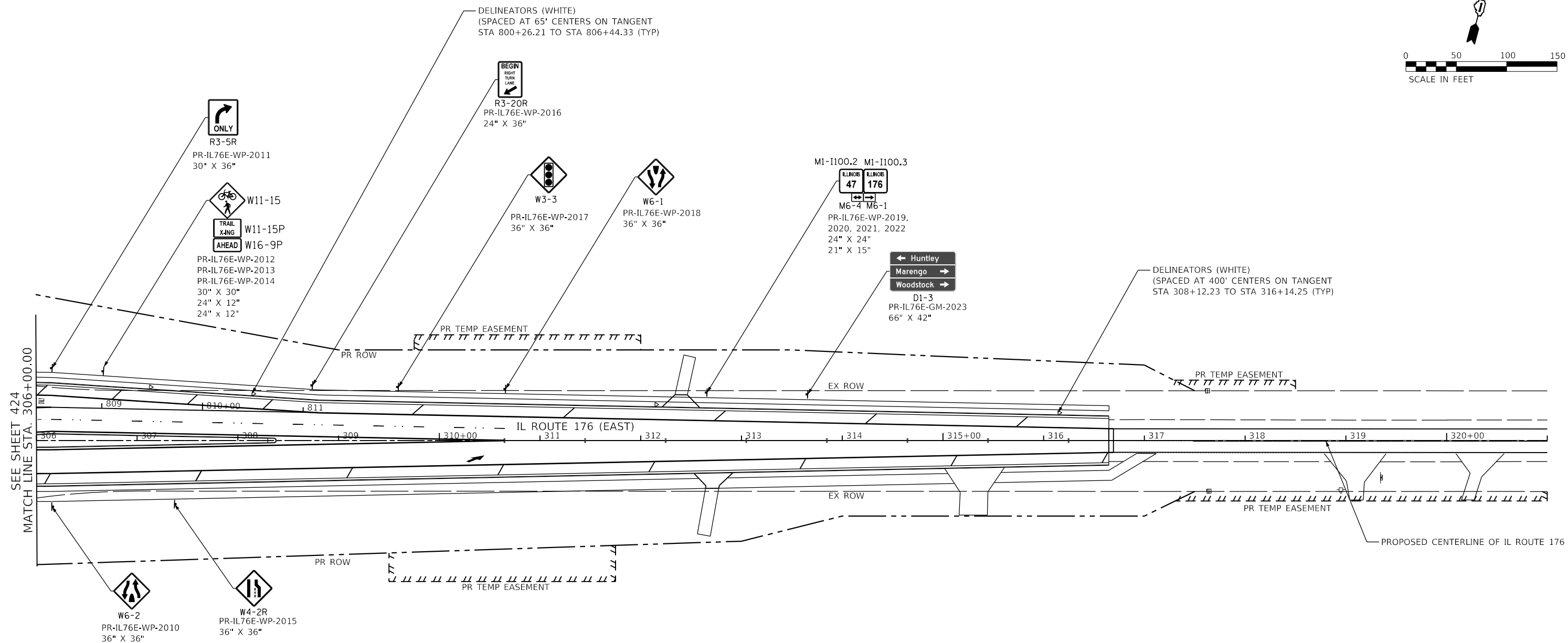
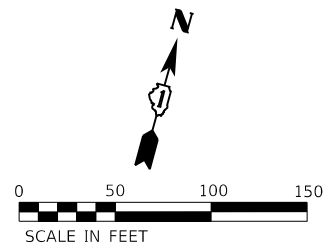
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONNECTOR ROAD  
SIGNING PLAN**

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. 401+00.00 TO STA. 413+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	432
				CONTRACT NO. 62B43
				ILLINOIS FED. AID PROJECT



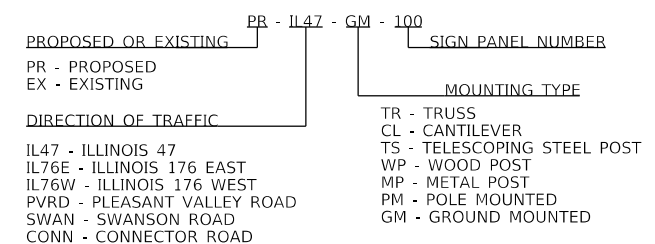


SEE SHEET 424  
MATCH LINE STA. 306+00.00

**SIGNING NOTES:**

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- FOR CLARITY, UTILITIES ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN ALL UTILITIES AND THE PROPOSED SIGNING PLAN.
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- EXACT LOCATION FOR EACH SIGN AND DELINEATOR IS PROVIDED IN THE SCHEDULE OF QUANTITIES.

**GUIDE SIGN SEQUENCE  
NUMBERING CODE  
EXAMPLE**



MODEL: D:\424.dgn  
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SA STRAND ASSOCIATES

1170 SOUTH HOUBOLT ROAD  
JOLIET, ILLINOIS 60431  
(815) 744-4200

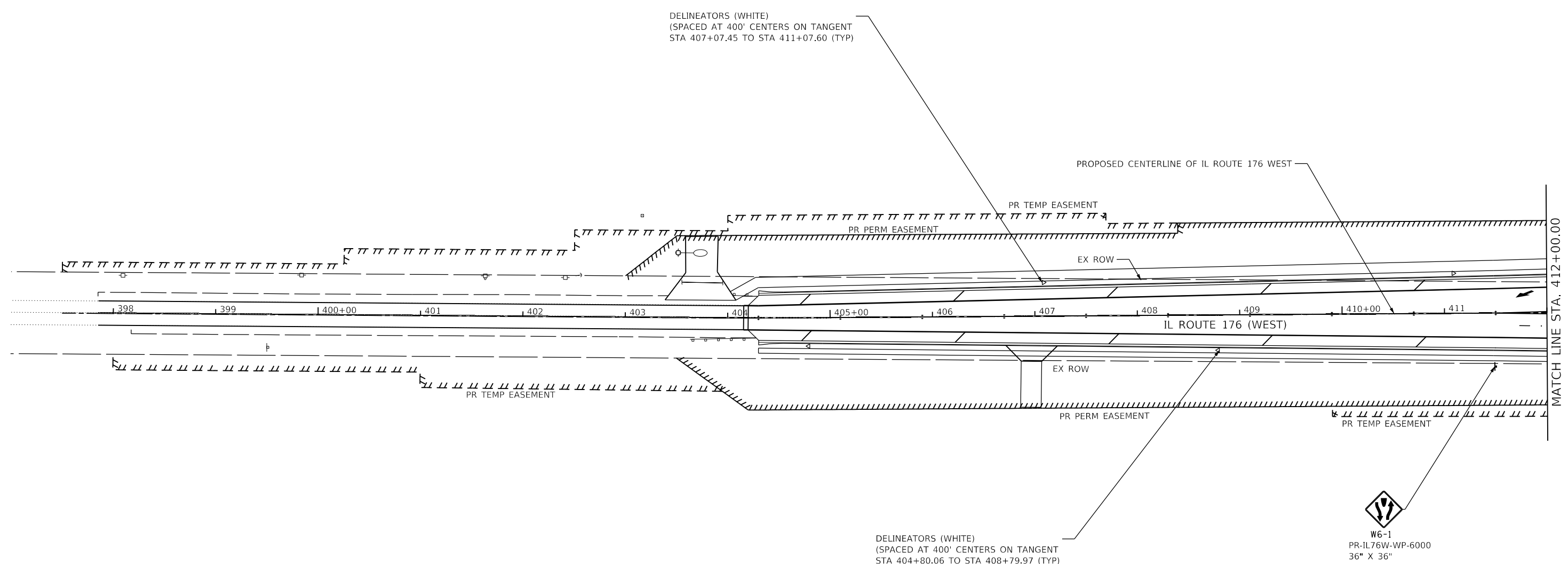
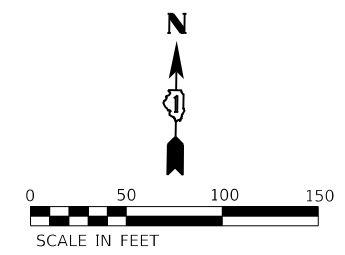
USER NAME = JackD	DESIGNED - MAG	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/19/2023	CHECKED - SJG	REVISED -
	DATE - 12/15/2023	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 176 (EAST)  
SIGNING PLAN

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. 306+00.00 TO STA. 321+00.00

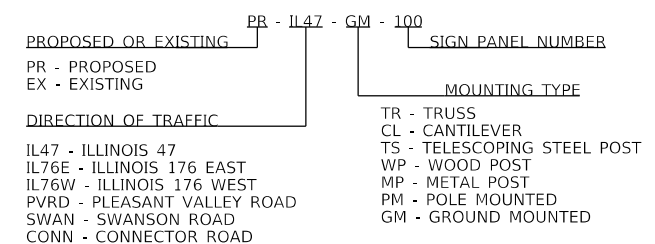
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	433
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**SIGNING NOTES:**

1. SIGNS SHALL BE PLACED AT A LATERAL OFFSET PER MUTCD 2009 STANDARDS.
2. FOR CLARITY, UTILITIES ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN ALL UTILITIES AND THE PROPOSED SIGNING PLAN.
3. SEE SIGNING DETAIL SHEET FOR SIGN INFORMATION.
4. EXACT LOCATION FOR EACH SIGN AND DELINEATOR IS PROVIDED IN THE SCHEDULE OF QUANTITIES.

**GUIDE SIGN SEQUENCE  
NUMBERING CODE  
EXAMPLE**



MODEL Dwg.dgn  
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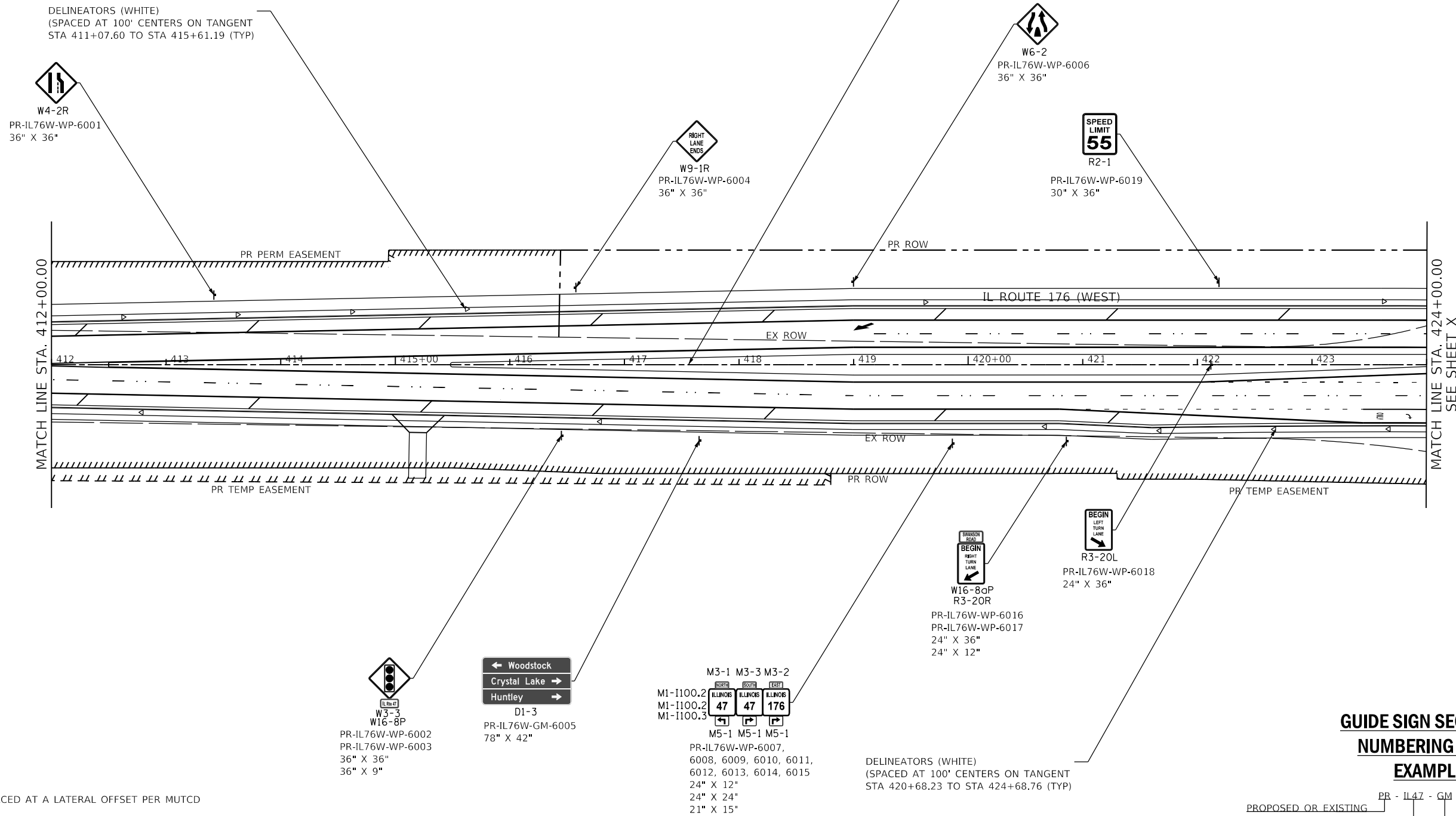
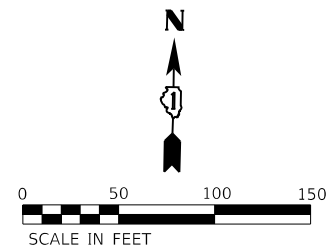
USER NAME = JackD	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (WEST)  
SIGNING PLAN**

SCALE: 1" = 50'    SHEET 1 OF 2 SHEETS    STA. 400+00.00 TO STA. 412+00.00

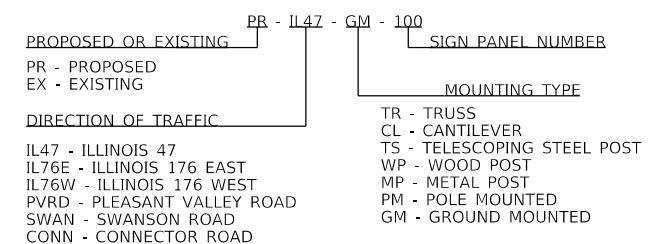
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	434
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**SIGNING NOTES:**

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**GUIDE SIGN SEQUENCE NUMBERING CODE EXAMPLE**



MODEL: D:\4641\1170 SOUTH HOUBOLT ROAD\1170 SOUTH HOUBOLT ROAD\CAD\_Signing\1170-176W-02.dgn



USER NAME = JackD	DESIGNED - MAG	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/19/2023	CHECKED - SJG	REVISED -
	DATE - 12/15/2023	REVISED -

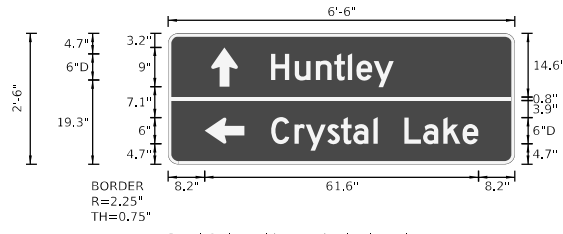
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (WEST)  
SIGNING PLAN**

SCALE: 1" = 50'    SHEET 2 OF 2 SHEETS    STA. 412+00.00 TO STA. 424+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	435
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

**SIGN DETAIL**  
NOT TO SCALE



SIGN NUMBER	D1-2 (2 Dest - Arrows SL)
WIDTH x HGHT.	6'-6" x 2'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	2.25"
MOUNTING	Ground Mounted
BACKGROUND	TYPE: Reflective COLOR: Green
LEGENDBORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type D	0	9.7	17.8	6	9
AR_Type D	90	8.2	4.7	6	9

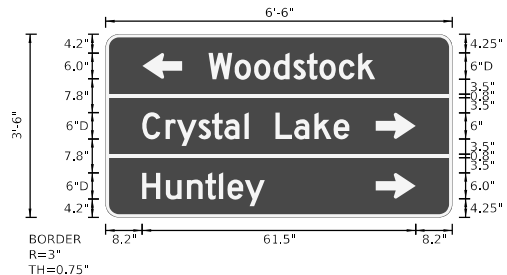
Panel Style: guide\_con\_destination.ssi  
Dimensions are in Inches/Tenths

Panel Style: guide\_con\_destination.ssi  
M.U.T.C.D.: 2009 Edition

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)															LENGTH	SERIES/SIZE
H	u	n	t	l	e	y									27.8	D 2000
C	r	y	s	t	a	l		L	a	k	e				46.6	D 2000

**SIGN DETAIL**  
NOT TO SCALE



SIGN NUMBER	D1-3 (3 Dest - Arrows LRR)
WIDTH x HGHT.	6'-6" x 3'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	3"
MOUNTING	Ground Mounted
BACKGROUND	TYPE: Reflective COLOR: Green
LEGENDBORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type D	90	8.2	31.8	5.9	9
AR_Type D	270	60.8	18	6	9
AR_Type D	270	60.8	4.3	5.9	9

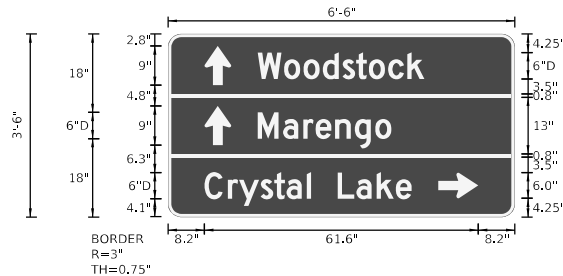
Panel Style: guide\_con\_destination.ssi  
Dimensions are in Inches/Tenths

Panel Style: guide\_con\_destination.ssi  
M.U.T.C.D.: 2009 Edition

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)															LENGTH	SERIES/SIZE
W	o	o	d	s	t	o	c	k							37.5	D 2000
C	r	y	s	t	a	l		L	a	k	e				46.6	D 2000
H	u	n	t	l	e	y									27.8	D 2000

**SIGN DETAIL**  
NOT TO SCALE



SIGN NUMBER	D1-3 (3 Dest - Arrows SS)
WIDTH x HGHT.	6'-6" x 3'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	3"
MOUNTING	Ground Mounted
BACKGROUND	TYPE: Reflective COLOR: Green
LEGENDBORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type D	0	8.2	30.3	6	9
AR_Type D	0	8.2	16.5	6	9
AR_Type D	270	60.8	4.3	5.9	9

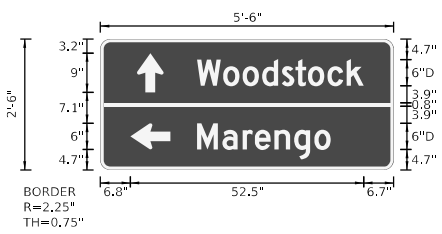
Panel Style: guide\_con\_destination.ssi  
Dimensions are in Inches/Tenths

Panel Style: guide\_con\_destination.ssi  
M.U.T.C.D.: 2009 Edition

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)															LENGTH	SERIES/SIZE
W	o	o	d	s	t	o	c	k							37.5	D 2000
M	a	r	e	n	g	o									30.1	D 2000
C	r	y	s	t	a	l		L	a	k	e				46.6	D 2000

**SIGN DETAIL**  
NOT TO SCALE



SIGN NUMBER	D1-2 (2 Dest - Arrows SL)
WIDTH x HGHT.	5'-6" x 2'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	2.25"
MOUNTING	Ground Mounted
BACKGROUND	TYPE: Reflective COLOR: Green
LEGENDBORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type D	0	8.3	17.8	6	9
AR_Type D	90	6.8	4.7	6	9

Panel Style: guide\_con\_destination.ssi  
Dimensions are in Inches/Tenths

Panel Style: guide\_con\_destination.ssi  
M.U.T.C.D.: 2009 Edition

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)															LENGTH	SERIES/SIZE
W	o	o	d	s	t	o	c	k							37.5	D 2000
M	a	r	e	n	g	o									30.1	D 2000

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USER NAME	= JackD
PLOT SCALE	= 2.0000 ' / in.
PLOT DATE	= 12/19/2023

DESIGNED	- MAG	REVISED	-
DRAWN	- DJW	REVISED	-
CHECKED	- SIG	REVISED	-
DATE	- 12/15/2023	REVISED	-

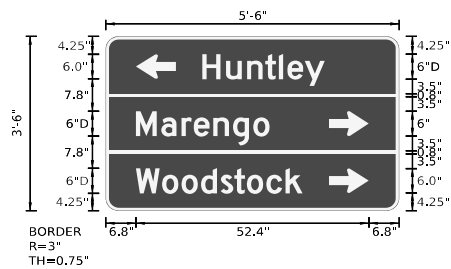
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNING DETAILS**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	436
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

SIGN DETAIL  
NOT TO SCALE



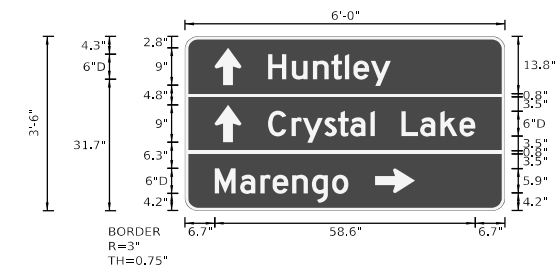
SIGN NUMBER	DI-3 (3 Dest - Arrows LRR)
WIDTH x HIGHT	5'-6" x 3'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	3"
MOUNTING	Ground Mounted
BACKGROUND	TYPE: Reflective
COLOR:	Green
LEGENDBORDER	TYPE: Reflective
COLOR:	White/White

SYMBOL	ROT	X	Y	WID	HT
APL_Type D	90	6.8	31.8	5.9	9
APL_Type D	270	50.2	18	6	9
APL_Type D	270	50.2	4.3	5.9	9

Panel Style: guide\_con\_destination.ssi  
M,U,T,C,D.: 2009 Edition  
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)		LENGTH	SERIES/SIZE
H	u		D 2000
21.7	27	31.6	27.6
M	a		D 2000
6.8	12.5	17.1	30.1
W	o		D 2000
6.8	12.7	17.1	37.5

SIGN DETAIL  
NOT TO SCALE



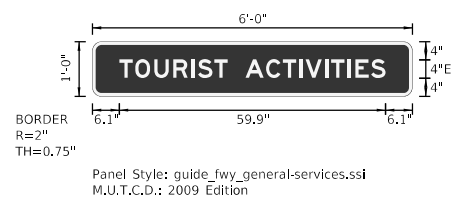
SIGN NUMBER	DI-3 (3 Dest - Arrows SSR)
WIDTH x HIGHT	6'-0" x 3'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	3"
MOUNTING	Ground Mounted
BACKGROUND	TYPE: Reflective
COLOR:	Green
LEGENDBORDER	TYPE: Reflective
COLOR:	White/White

SYMBOL	ROT	X	Y	WID	HT
APL_Type D	0	6.7	30.3	6	9
APL_Type D	0	6.7	16.5	6	9
APL_Type D	270	42.8	4.3	5.9	9

Panel Style: guide\_con\_destination.ssi  
M,U,T,C,D.: 2009 Edition  
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)		LENGTH	SERIES/SIZE
H	u		D 2000
18.7	24	28.8	27.6
C	r		D 2000
18.7	24	26.5	46.6
M	a		D 2000
6.7	12.4	17	30.1

SIGN DETAIL  
NOT TO SCALE



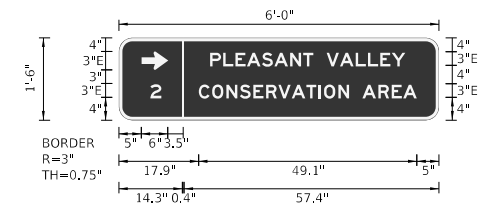
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WIDTH x HIGHT	6'-0" x 1'-0"
BORDER WIDTH	0.75"
CORNER RADIUS	2"
MOUNTING	Ground Mounted
BACKGROUND	TYPE: Reflective
COLOR:	Blue
LEGENDBORDER	TYPE: Reflective
COLOR:	White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: guide\_fwy\_general-services.ssi  
M,U,T,C,D.: 2009 Edition  
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)		LENGTH	SERIES/SIZE
T			E 2000
6.1	9.6	13.9	59.9

SIGN DETAIL  
NOT TO SCALE



SIGN NUMBER	-
WIDTH x HIGHT	6'-0" x 1'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	3"
MOUNTING	Ground Mounted
BACKGROUND	TYPE: Reflective
COLOR:	Blue/Blue
LEGENDBORDER	TYPE: Reflective
COLOR:	White/White

SYMBOL	ROT	X	Y	WID	HT
APL_Type D	90	5	11	4	6

Panel Style: guide\_fwy\_next\_services.ssi  
M,U,T,C,D.: 2009 Edition  
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)		LENGTH	SERIES/SIZE
P			E 2000
20.5	23.5	26.2	43.9
2			E 2000
7.1			2.4
C			E 2000
17.9	21	24.2	49.1

MODEL: D:\p\h\... FILE NAME: ... SHEET: ...



USER NAME	= JackD	DESIGNED -	MAG	REVISED -	
DRAWN	- DJW	REVISED -		REVISED -	
PLOT SCALE	= 2,000 ' / in.	CHECKED -	SIG	REVISED -	
PLOT DATE	= 12/19/2023	DATE -	12/15/2023	REVISED -	

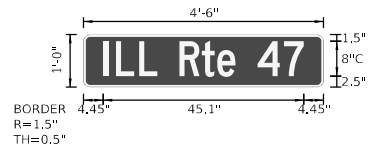
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	437
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

SIGN DETAIL  
NOT TO SCALE



Panel Style: Street name 8-6in.ssi  
M.U.T.C.D.: 2009 Edition

Panel Style: Street name 8-6in.ssi  
Dimensions are in inches/tehs

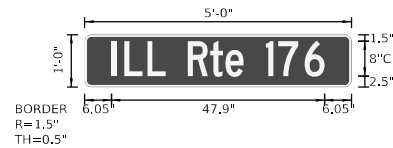
Letter locations are paneledge to lower left corner

SIGN NUMBER	D3-1
WIDTH x HEIGHT	4'-6" x 1'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground Mounted
BACKGROUND	TYPE: Reflective COLOR: Green
LEGENDBORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)											LENGTH	SERIESIZE
I	L	L	R	I	e			7			C 2000	
4.4	7.3	12.5	16.6	21.6	26.6	30.1	34.2	39.2	45.1		45.1	86

SIGN DETAIL  
NOT TO SCALE



Panel Style: Street name 8-6in.ssi  
M.U.T.C.D.: 2009 Edition

Panel Style: Street name 8-6in.ssi  
Dimensions are in inches/tehs

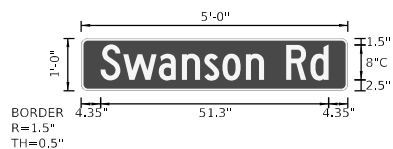
Letter locations are paneledge to lower left corner

SIGN NUMBER	D3-1
WIDTH x HEIGHT	5'-0" x 1'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground Mounted
BACKGROUND	TYPE: Reflective COLOR: Green
LEGENDBORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)												LENGTH	SERIESIZE
I	L	L	R	I	e			7				C 2000	
6	6.9	14.1	18.2	23.2	28.2	31.7	35.8	40.8	43.6	49.5		47.9	86

SIGN DETAIL  
NOT TO SCALE



Panel Style: Street name 8-6in.ssi  
M.U.T.C.D.: 2009 Edition

Panel Style: Street name 8-6in.ssi  
Dimensions are in inches/tehs

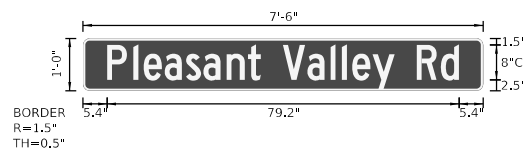
Letter locations are paneledge to lower left corner

SIGN NUMBER	D3-1
WIDTH x HEIGHT	5'-0" x 1'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground Mounted
BACKGROUND	TYPE: Reflective COLOR: Green
LEGENDBORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)											LENGTH	SERIESIZE
S	w	a	n	s	o	n		R	d		C 2000	
4.3	9.5	17.5	22.7	27.7	31.8	37.1	41.1	46.1	51.6		51.3	86

SIGN DETAIL  
NOT TO SCALE



Panel Style: Street name 8-6in.ssi  
M.U.T.C.D.: 2009 Edition

Panel Style: Street name 8-6in.ssi  
Dimensions are in inches/tehs

Letter locations are paneledge to lower left corner

SIGN NUMBER	D3-1
WIDTH x HEIGHT	7'-6" x 1'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground Mounted
BACKGROUND	TYPE: Reflective COLOR: Green
LEGENDBORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)															LENGTH	SERIESIZE			
P	I	e	a	s	a	n	t	V	a	l	l	e	y	R	d	C 2000			
5.4	11.3	13.6	18.4	23.2	27.1	32.3	37.1	40	45	50.5	55.7	58.2	60.6	65.1	70.1	75.1	80.5	79.2	86

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USER NAME = JackD	DESIGNED - MAG	REVISED -
PLOT SCALE = 2,0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/19/2023	CHECKED - SJG	REVISED -
	DATE - 12/15/2023	REVISED -

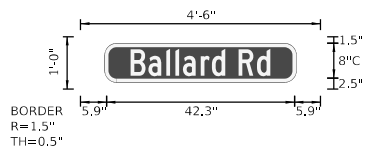
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	438
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

SIGN DETAIL  
NOT TO SCALE



SIGN NUMBER	D3-1
WIDTH x HEIGHT	4'-6" x 1'-0"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Ground Mounted
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: Street name 8-6in.ssi  
Dimensions are in inches/teenths

Panel Style: Street name 8-6in.ssi  
M.U.T.C.D.: 2009 Edition

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)											LENGTH		SERIES SIZE	
B	a	l	l	a	r	d		R	d					
5.9	11.1	16.3	18.9	21.1	26.3	29.5	33.6	38.6	44.1			42.3	86	

MODEL: D:\s\p\... FILE NAME: S:\0\18300-6399\18300\18300\CAD\_Sheets\18300-6399-18300-18300.dwg

**SA STRAND ASSOCIATES\***  
1170 SOUTH HOUBOLT ROAD  
JOLIET, ILLINOIS 60431  
(815) 744-4200

USER NAME = JackD	DESIGNED - MAG	REVISED -
DRAWN - DJW	CHECKED - SJG	REVISED -
PLOT SCALE = 2,0000 ' / in.	DATE - 12/15/2023	REVISED -
PLOT DATE = 12/19/2023		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	439
CONTRACT NO. 62B43				
ILLINOIS		FED. AID PROJECT		





SODDING, SALT TOLERANT (25200110)

Table with 4 columns: FROM STATION, TO STATION, LT/RT, AREA (SQ YD). Includes sections for IL 47, CONNECTOR, PLEASANT VALLEY, SWANSON, and TOTAL.

STONE RIPRAP, CLASS A5 (28100109)

Table with 4 columns: FROM STATION, TO STATION, LT/RT, AREA (SQ YD). Includes sections for IL 47, IL 176 E, and TOTAL.

STONE RIPRAP, CLASS A4 (28100107)

Table with 4 columns: FROM STATION, TO STATION, LT/RT, AREA (SQ YD). Includes sections for IL 47, IL 176 W, PLEASANT VALLEY, and TOTAL.

NITROGEN FERTILIZER NUTRIENT (25000400)

Table with 3 columns: PAY ITEMS, AREA (ACRE), QUANTITY (POUND). Lists SEEDING CLASS 2A, SODDING, SALT TOLERANT, and TOTAL.

POTASSIUM FERTILIZER NUTRIENT (25000600)

Table with 3 columns: PAY ITEMS, AREA (ACRE), QUANTITY (POUND). Lists SEEDING CLASS 2A, SODDING, SALT TOLERANT, and TOTAL.

SEEDING, CLASS 4B MODIFIED (X2502024)

Table with 4 columns: FROM STATION, TO STATION, LT/RT, AREA (ACRE). Includes sections for IL 47, IL 176 E, IL 176 W, PLEASANT VALLEY, and TOTAL.

EROSION CONTROL BLANKET, SPECIAL (X2511630)

Table with 4 columns: FROM STATION, TO STATION, LT/RT, AREA (SQ YD). Includes sections for IL 47, IL 176 E, IL 176 W, PLEASANT VALLEY, and TOTAL.



USER NAME = LINO4-PC  
DESIGNED - LC / NH  
DRAWN - LC / NC  
PLOT SCALE = 100,0000' / in.  
PLOT DATE = 12/15/2023

REVISOR -  
REVISED -  
CHECKED - SGL  
DATE - 12-2023

REVISOR -  
REVISED -  
CHECKED - SGL  
DATE - 12-2023

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

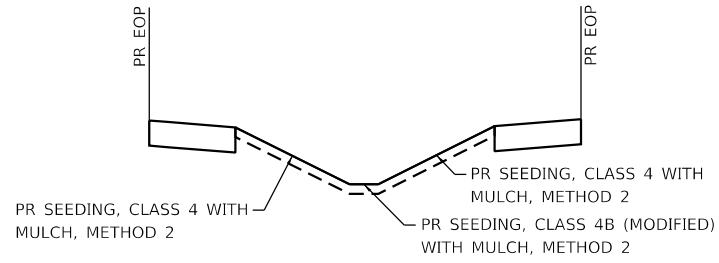
EROSION CONTROL SCHEDULES

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. TO STA.

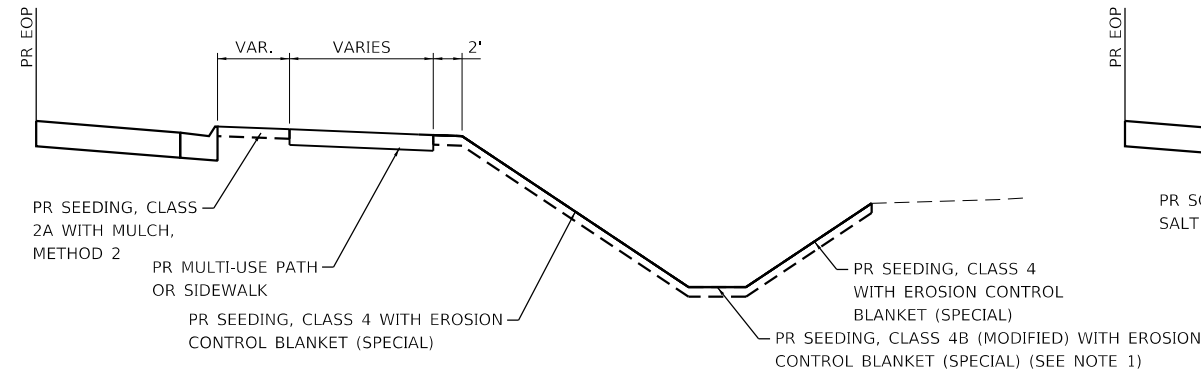
Table with columns: F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO. 62B43

**NOTES:**

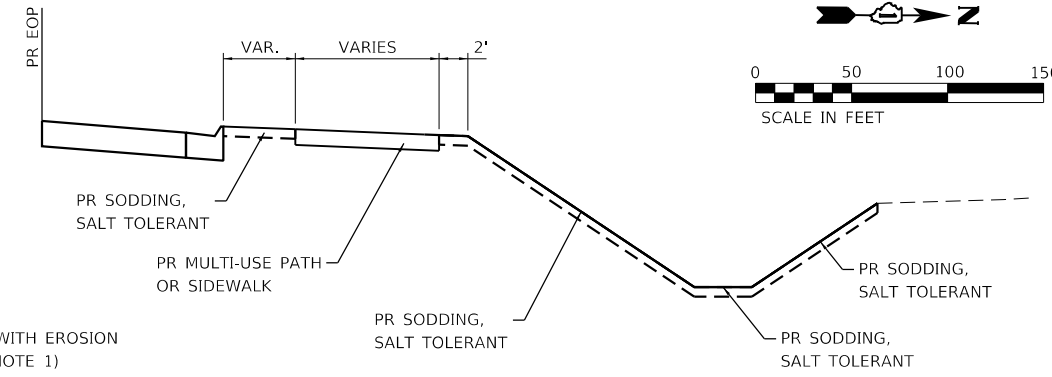
1. PROPOSED EROSION CONTROL BLANKET WITHIN THE LIMITS OF THE PROPOSED BIOSWALES SHALL BE REMOVED BY THE CONTRACTOR ONCE THE BIOSWALES ARE CONSTRUCTED.



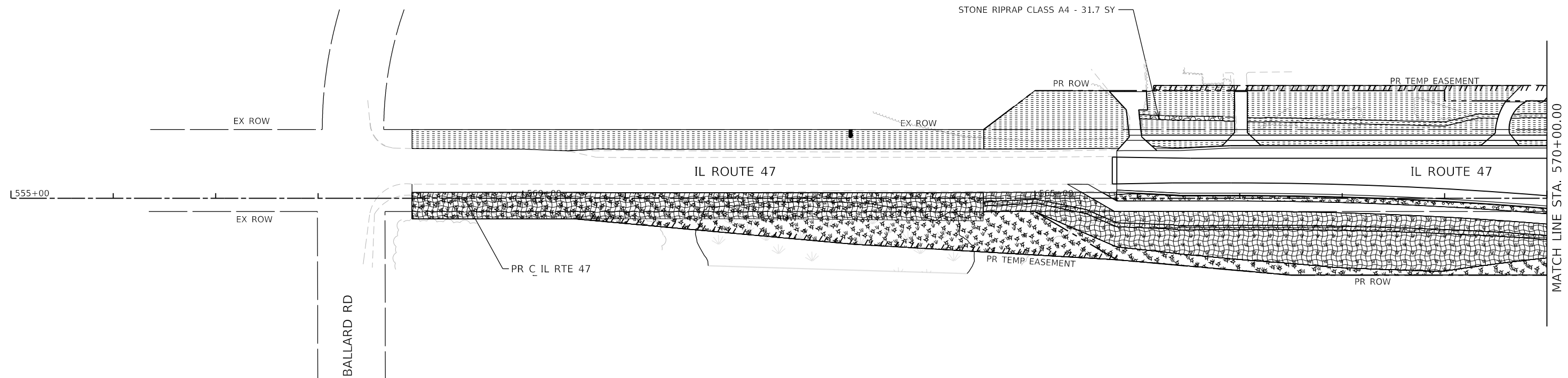
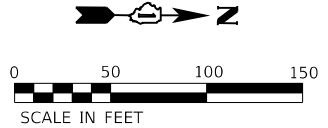
**EROSION CONTROL TYPICAL SECTION – IL ROUTE 47**  
CENTER MEDIANS











**EROSION CONTROL TYPICAL SECTION – IL ROUTE 47**  
LT & RT ROADSIDE DITCHES



**EROSION CONTROL TYPICAL SECTION – IL ROUTE 47**  
LT & RT ROADSIDE DITCHES  
(RESIDENTIAL & COMMERCIAL AREAS)



**LEGEND**

-  25200110 SODDING, SALT TOLERANT
-  25000210 SEEDING, CLASS 2A
-  X2502024 SEEDING, CLASS 4B (MODIFIED)
-  25000310 SEEDING, CLASS 4
-  X2511630 EROSION CONTROL BLANKET (SPECIAL)
-  25100115 MULCH, METHOD 2
-  28100107 STONE RIPRAP, CLASS A4  
28200200 FILTER FABRIC
-  28100109 STONE RIPRAP, CLASS A5  
28200200 FILTER FABRIC

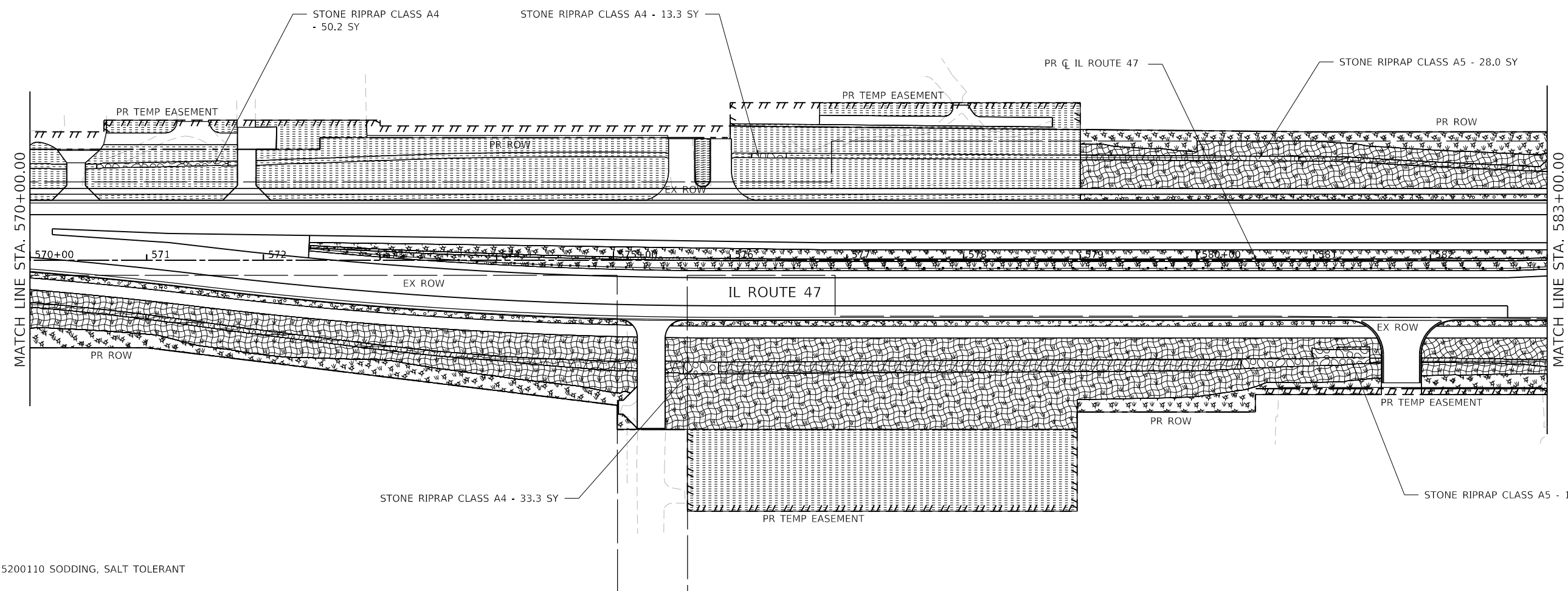
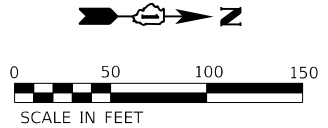


USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -











**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 47 EROSION CONTROL PLAN</b>			
SCALE: 1"=50'	SHEET 1	OF 8 SHEETS	STA. 555+00.00 TO STA. 570+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	442
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**LEGEND**

-  25200110 SODDING, SALT TOLERANT
-  25000210 SEEDING, CLASS 2A
-  X2502024 SEEDING, CLASS 4B (MODIFIED)
-  25000310 SEEDING, CLASS 4
-  X2511630 EROSION CONTROL BLANKET (SPECIAL)
-  25100115 MULCH, METHOD 2
-  28100107 STONE RIPRAP, CLASS A4
-  28200200 FILTER FABRIC
-  28100109 STONE RIPRAP, CLASS A5
-  28200200 FILTER FABRIC

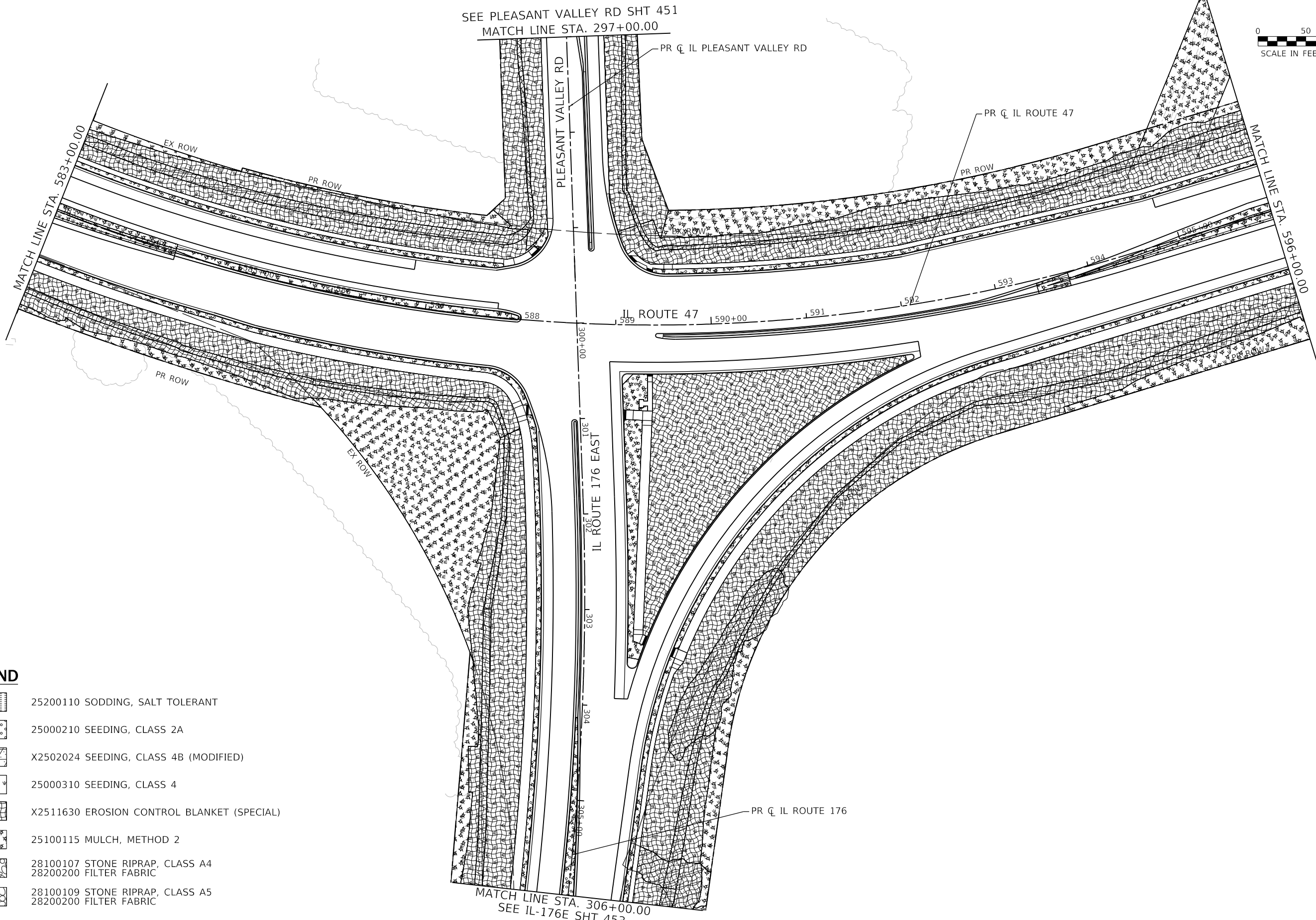
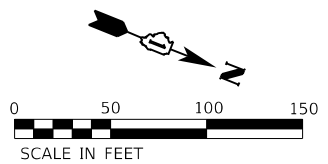


USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -











**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 47 EROSION CONTROL PLAN</b>			
SCALE: 1"=50'	SHEET 2	OF 8 SHEETS	STA. 570+00.00 TO STA. 583+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 443
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B43	



**LEGEND**

-  25200110 SODDING, SALT TOLERANT
-  25000210 SEEDING, CLASS 2A
-  X2502024 SEEDING, CLASS 4B (MODIFIED)
-  25000310 SEEDING, CLASS 4
-  X2511630 EROSION CONTROL BLANKET (SPECIAL)
-  25100115 MULCH, METHOD 2
-  28100107 STONE RIPRAP, CLASS A4
-  28200200 FILTER FABRIC
-  28100109 STONE RIPRAP, CLASS A5
-  28200200 FILTER FABRIC

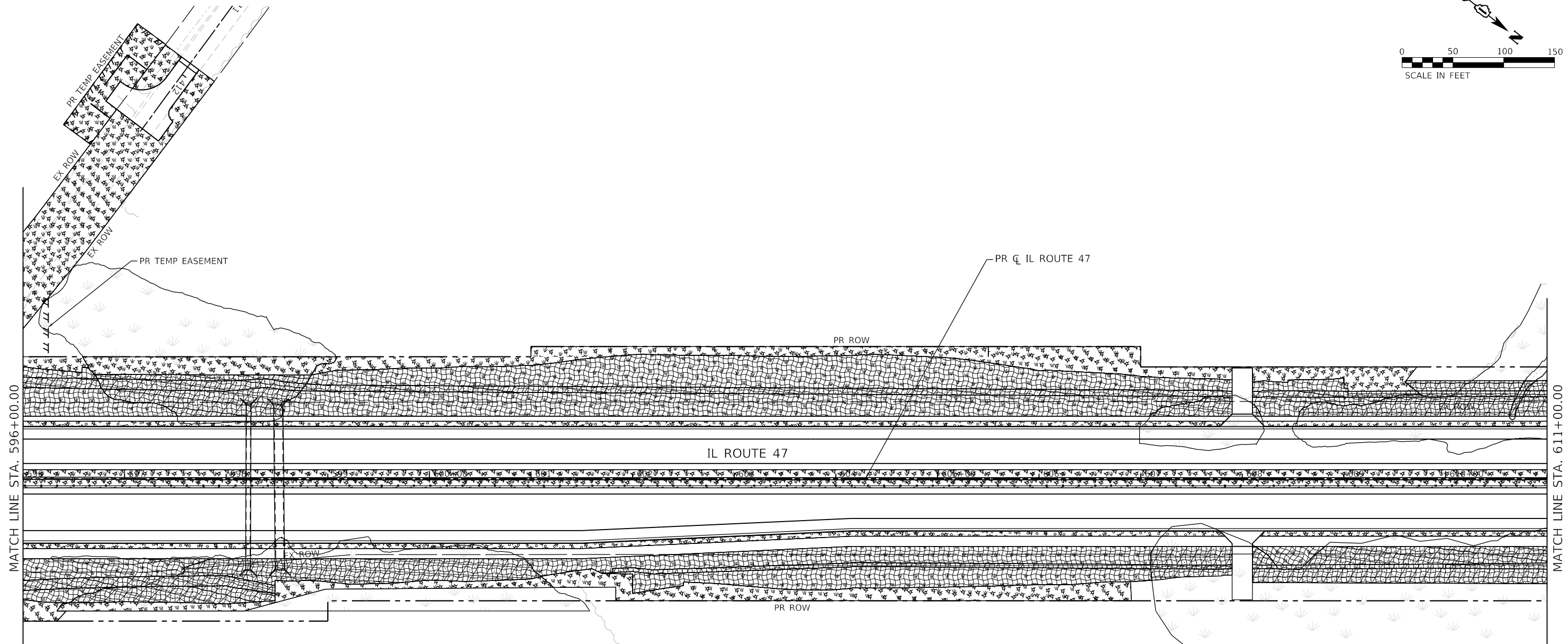
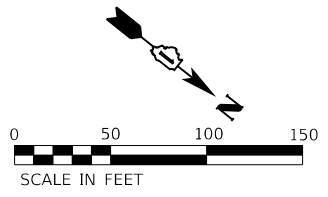


USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 47 EROSION CONTROL PLAN</b>			
SCALE: 1"=50'	SHEET 3	OF 8 SHEETS	STA. 583+00.00 TO STA. 596+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	444
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				



**LEGEND**

- 25200110 SODDING, SALT TOLERANT
- 25000210 SEEDING, CLASS 2A
- X2502024 SEEDING, CLASS 4B (MODIFIED)
- 25000310 SEEDING, CLASS 4
- X2511630 EROSION CONTROL BLANKET (SPECIAL)
- 25100115 MULCH, METHOD 2
- 28100107 STONE RIPRAP, CLASS A4  
28200200 FILTER FABRIC
- 28100109 STONE RIPRAP, CLASS A5  
28200200 FILTER FABRIC



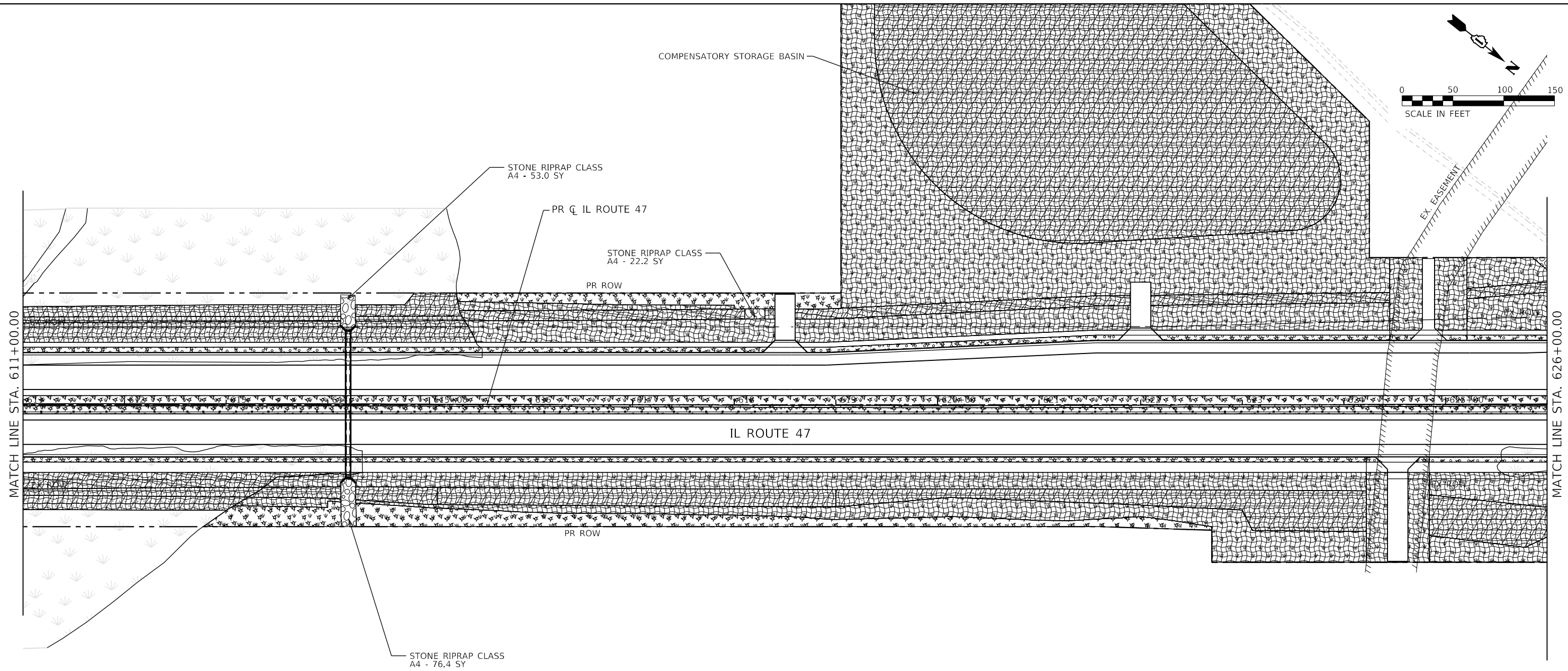
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	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**









**IL ROUTE 47  
EROSION CONTROL PLAN**

SCALE: 1"=50'    SHEET 4 OF 8 SHEETS    STA. 596+00.00 TO STA. 611+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	445
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				



**LEGEND**

-  25200110 SODDING, SALT TOLERANT
-  25000210 SEEDING, CLASS 2A
-  X2502024 SEEDING, CLASS 4B (MODIFIED)
-  25000310 SEEDING, CLASS 4
-  X2511630 EROSION CONTROL BLANKET (SPECIAL)
-  25100115 MULCH, METHOD 2
-  28100107 STONE RIPRAP, CLASS A4  
28200200 FILTER FABRIC
-  28100109 STONE RIPRAP, CLASS A5  
28200200 FILTER FABRIC

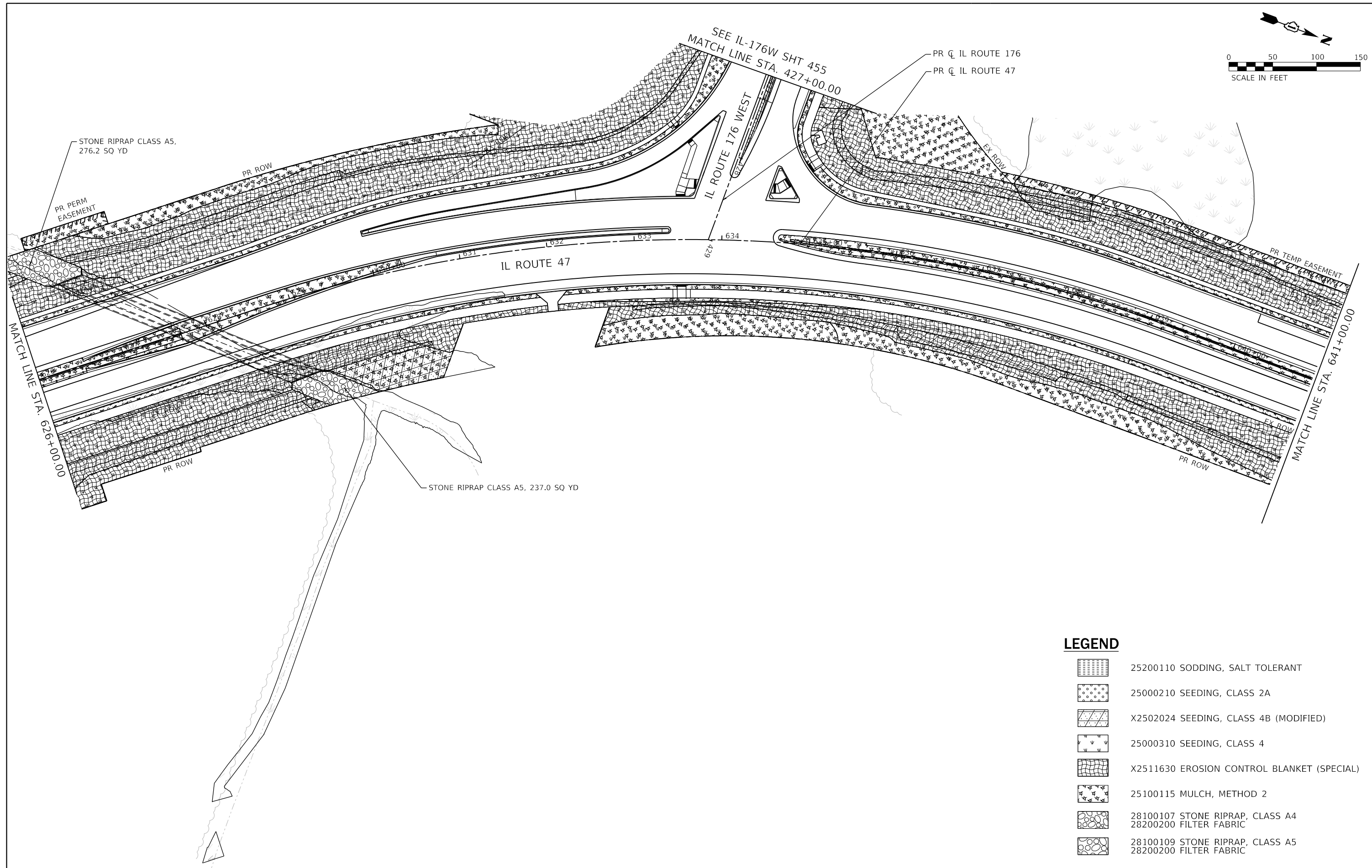
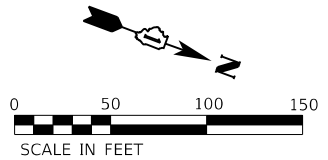


USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 47 EROSION CONTROL PLAN</b>			
SCALE: 1"=50'	SHEET 5	OF 8 SHEETS	STA. 611+00.00 TO STA. 626+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	446
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**LEGEND**

	25200110 SODDING, SALT TOLERANT
	25000210 SEEDING, CLASS 2A
	X2502024 SEEDING, CLASS 4B (MODIFIED)
	25000310 SEEDING, CLASS 4
	X2511630 EROSION CONTROL BLANKET (SPECIAL)
	25100115 MULCH, METHOD 2
	28100107 STONE RIPRAP, CLASS A4
	28200200 FILTER FABRIC
	28100109 STONE RIPRAP, CLASS A5
	28200200 FILTER FABRIC

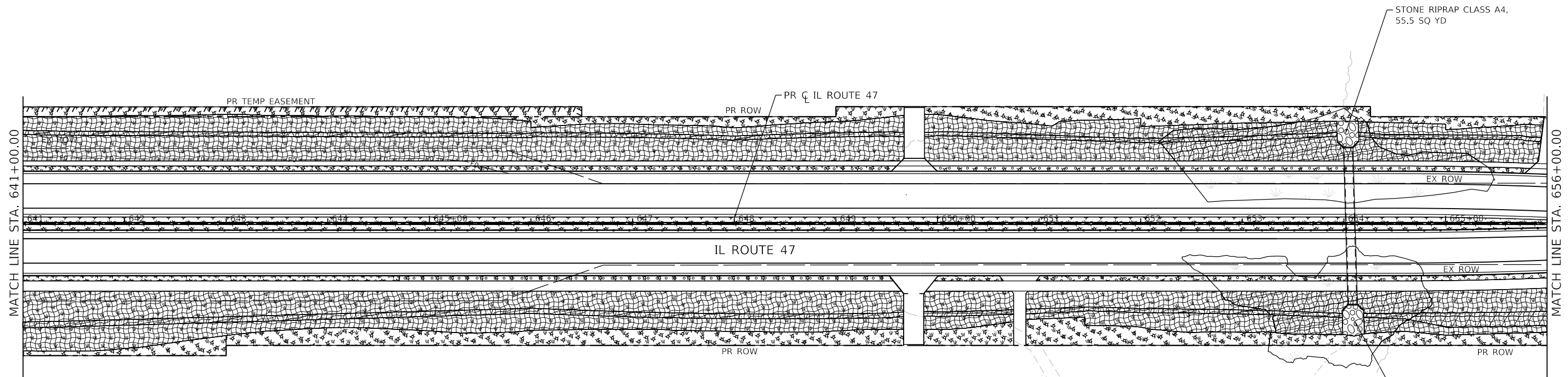
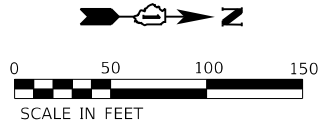


USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -









**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 47 EROSION CONTROL PLAN</b>			
SCALE: 1"=50'	SHEET 6	OF 8 SHEETS	STA. 626+00.00 TO STA. 641+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 447
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**LEGEND**

-  25200110 SODDING, SALT TOLERANT
-  25000210 SEEDING, CLASS 2A
-  X2502024 SEEDING, CLASS 4B (MODIFIED)
-  25000310 SEEDING, CLASS 4
-  X2511630 EROSION CONTROL BLANKET (SPECIAL)
-  25100115 MULCH, METHOD 2
-  28100107 STONE RIPRAP, CLASS A4  
28200200 FILTER FABRIC
-  28100109 STONE RIPRAP, CLASS A5  
28200200 FILTER FABRIC



USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

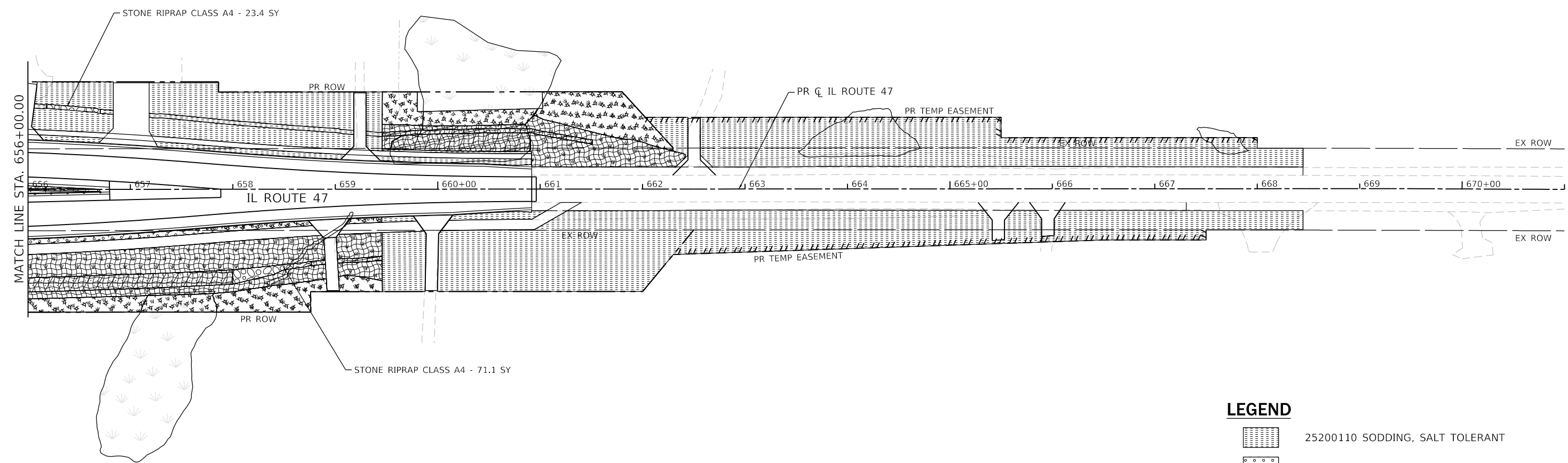
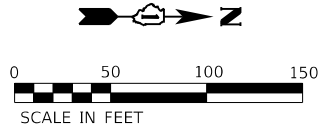
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47  
EROSION CONTROL PLAN**











SCALE: 1"=50'    SHEET 7 OF 8 SHEETS    STA. 641+00.00 TO STA. 656+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	448
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				





**LEGEND**

-  25200110 SODDING, SALT TOLERANT
-  25000210 SEEDING, CLASS 2A
-  X2502024 SEEDING, CLASS 4B (MODIFIED)
-  25000310 SEEDING, CLASS 4
-  X2511630 EROSION CONTROL BLANKET (SPECIAL)
-  25100115 MULCH, METHOD 2
-  28100107 STONE RIPRAP, CLASS A4
-  28200200 FILTER FABRIC
-  28100109 STONE RIPRAP, CLASS A5
-  28200200 FILTER FABRIC



USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

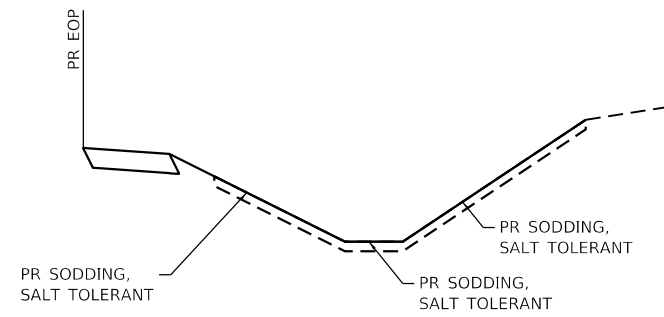
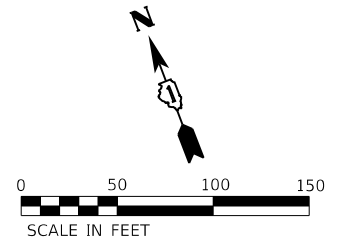
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 47 EROSION CONTROL PLAN</b>			
SCALE: 1"=50'	SHEET 8	OF 8 SHEETS	STA. 656+00.00 TO STA. 671+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	449
				CONTRACT NO. 62B43
ILLINOIS FED. AID PROJECT				

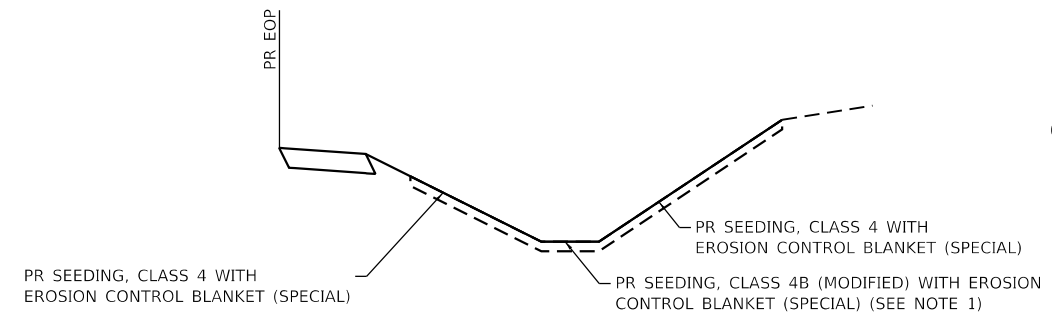
**NOTES:**

1. PROPOSED EROSION CONTROL BLANKET WITHIN THE LIMITS OF THE PROPOSED BIOSWALES SHALL BE REMOVED BY THE CONTRACTOR ONCE THE BIOSWALES ARE CONSTRUCTED.



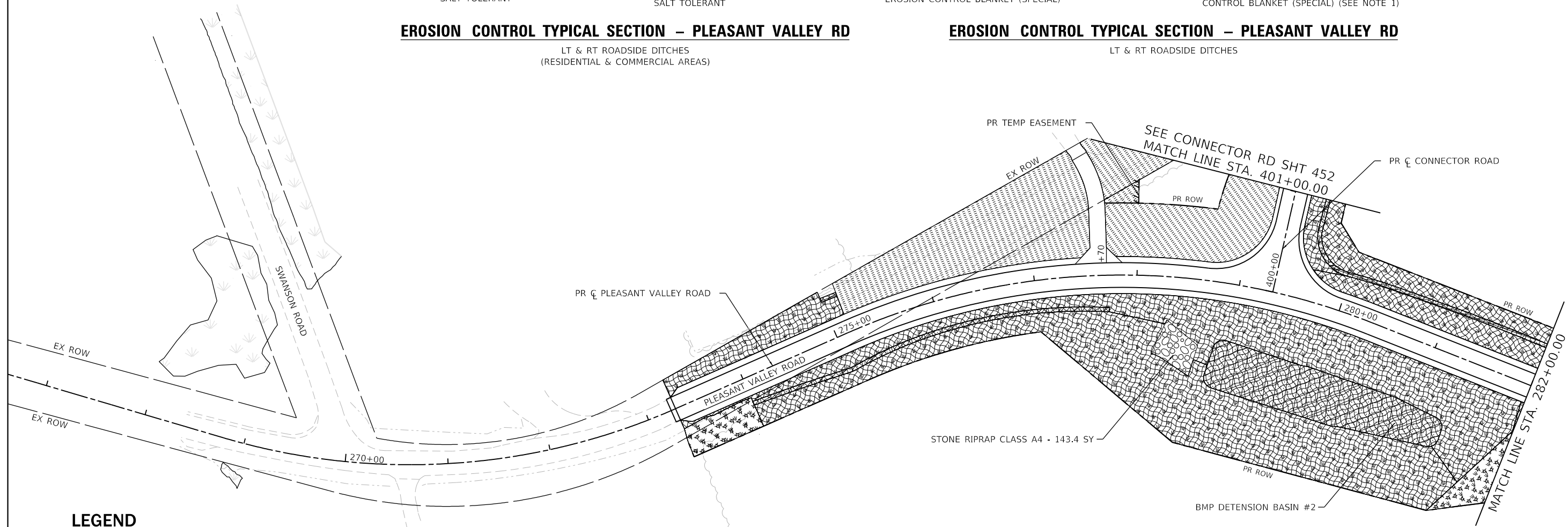
**EROSION CONTROL TYPICAL SECTION – PLEASANT VALLEY RD**

LT & RT ROADSIDE DITCHES  
(RESIDENTIAL & COMMERCIAL AREAS)











**EROSION CONTROL TYPICAL SECTION – PLEASANT VALLEY RD**

LT & RT ROADSIDE DITCHES



**LEGEND**

-  25200110 SODDING, SALT TOLERANT
-  25000210 SEEDING, CLASS 2A
-  X2502024 SEEDING, CLASS 4B (MODIFIED)
-  25000310 SEEDING, CLASS 4
-  X2511630 EROSION CONTROL BLANKET (SPECIAL)
-  25100115 MULCH, METHOD 2
-  28100107 STONE RIPRAP, CLASS A4  
28200200 FILTER FABRIC
-  28100109 STONE RIPRAP, CLASS A5  
28200200 FILTER FABRIC



USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

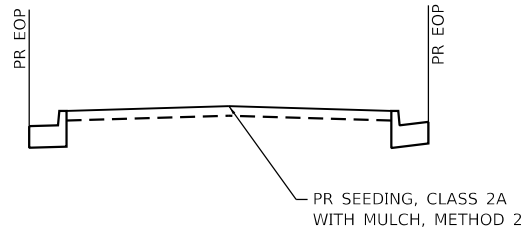
**PLEASANT VALLEY ROAD  
EROSION CONTROL PLAN**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 273+28.00 TO STA. 282+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	450
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

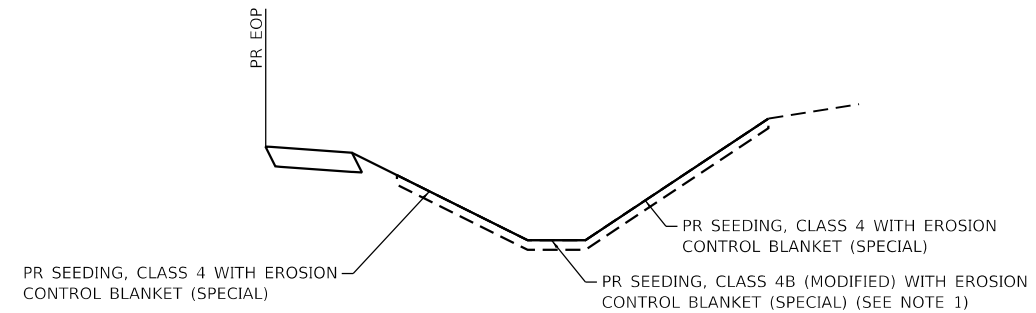
**NOTES:**

1. PROPOSED EROSION CONTROL BLANKET WITHIN THE LIMITS OF THE PROPOSED BIOSWALES SHALL BE REMOVED BY THE CONTRACTOR ONCE THE BIOSWALES ARE CONSTRUCTED.



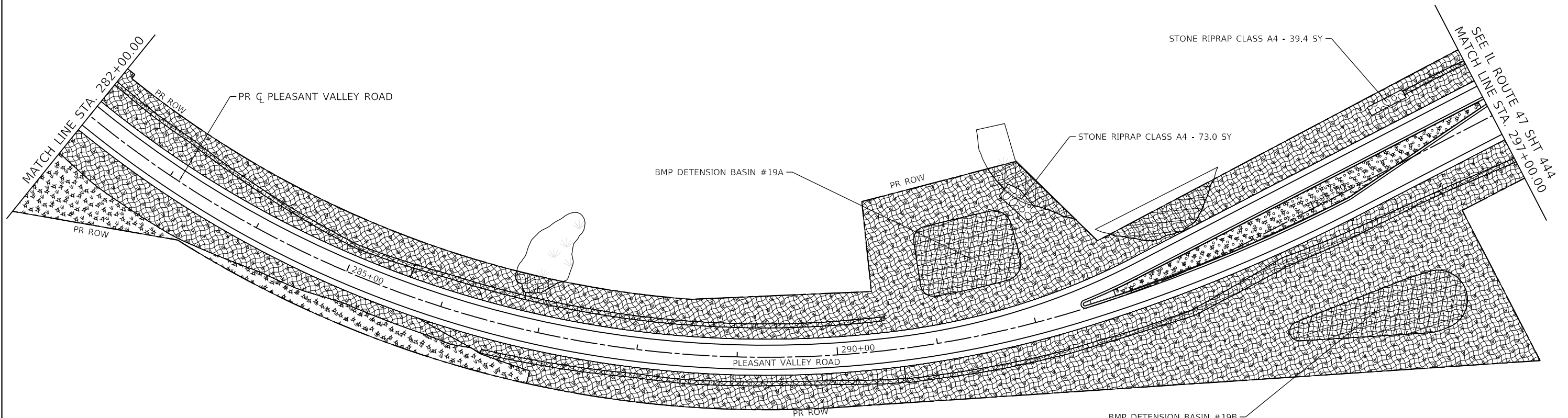
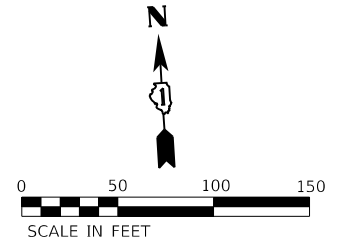
**EROSION CONTROL TYPICAL SECTION – PLEASANT VALLEY RD**

CENTER MEDIAN



**EROSION CONTROL TYPICAL SECTION – PLEASANT VALLEY RD**

LT & RT ROADSIDE DITCHES



**LEGEND**

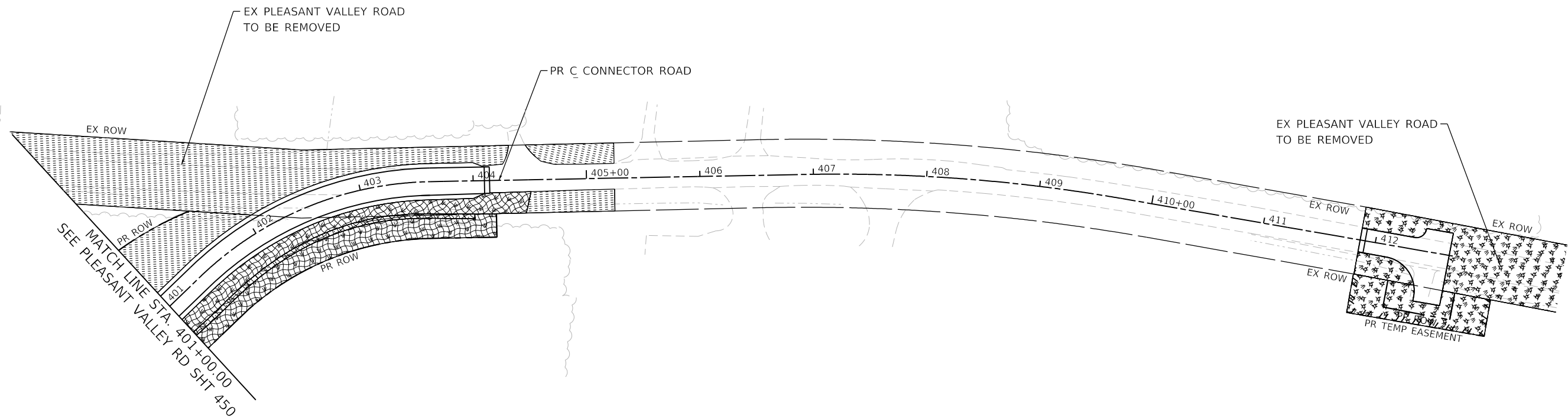
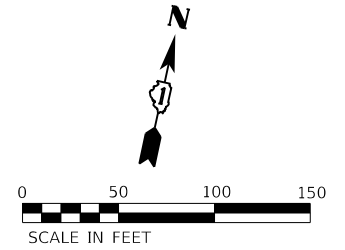
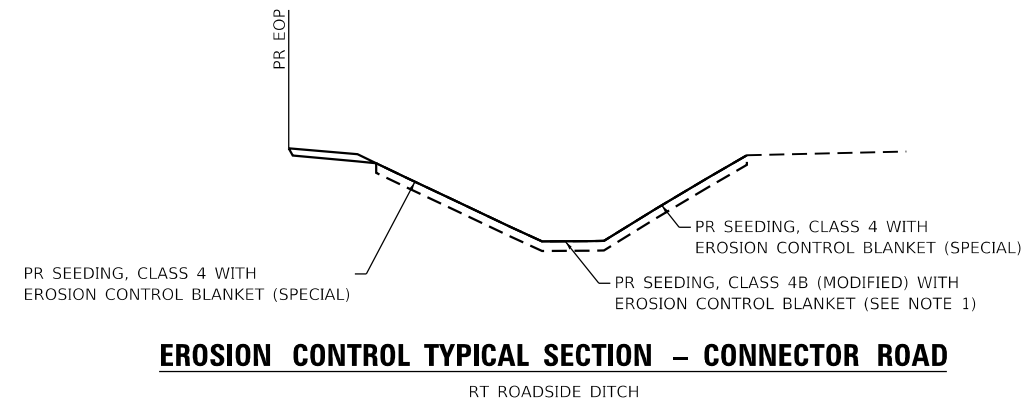
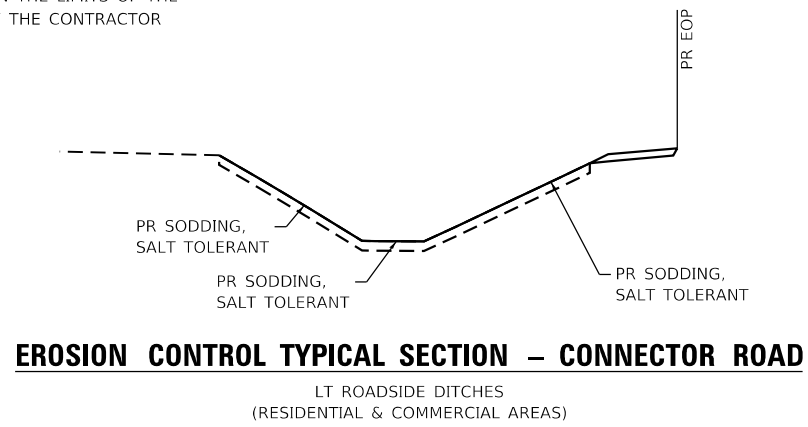
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- 25000210 SEEDING, CLASS 2A
- X2502024 SEEDING, CLASS 4B (MODIFIED)
- 25000310 SEEDING, CLASS 4
- X2511630 EROSION CONTROL BLANKET (SPECIAL)
- 25100115 MULCH, METHOD 2
- 28100107 STONE RIPRAP, CLASS A4  
28200200 FILTER FABRIC
- 28100109 STONE RIPRAP, CLASS A5  
28200200 FILTER FABRIC

USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -









F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	451
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

**NOTES:**

1. PROPOSED EROSION CONTROL BLANKET WITHIN THE LIMITS OF THE PROPOSED BIOSWALES SHALL BE REMOVED BY THE CONTRACTOR ONCE THE BIOSWALES ARE CONSTRUCTED.



**LEGEND**

-  25200110 SODDING, SALT TOLERANT
-  25000210 SEEDING, CLASS 2A
-  X2502024 SEEDING, CLASS 4B (MODIFIED)
-  25000310 SEEDING, CLASS 4
-  X2511630 EROSION CONTROL BLANKET (SPECIAL)
-  25100115 MULCH, METHOD 2
-  28100107 STONE RIPRAP, CLASS A4  
28200200 FILTER FABRIC
-  28100109 STONE RIPRAP, CLASS A5  
28200200 FILTER FABRIC



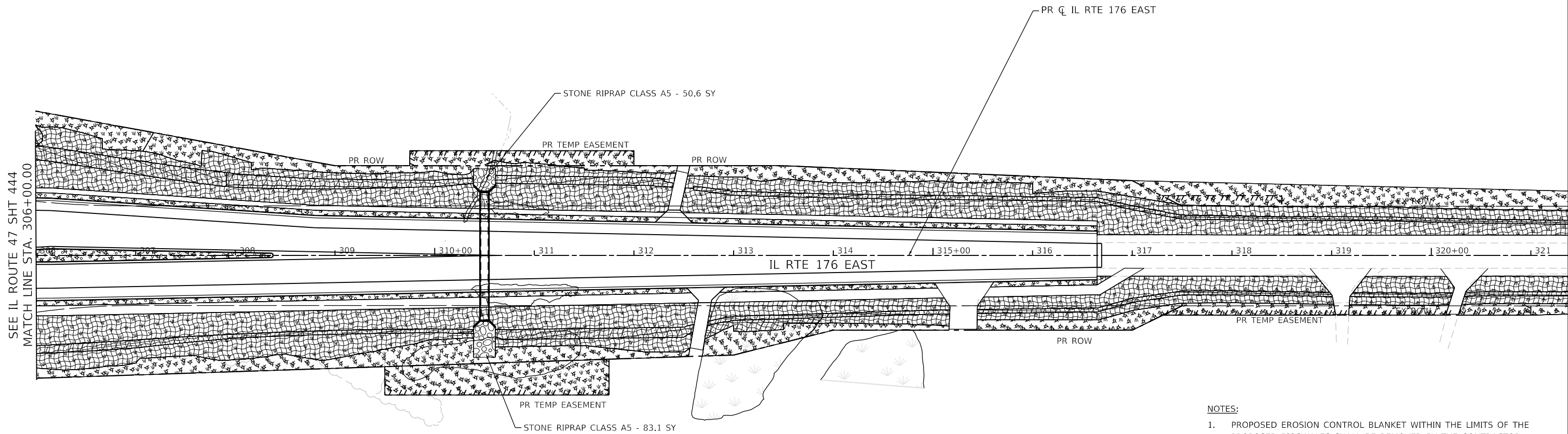
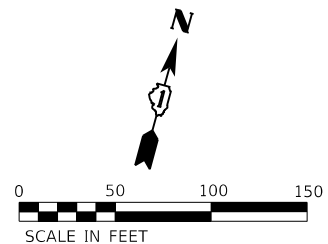
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	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100.0011' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONNECTOR ROAD  
EROSION CONTROL PLAN**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 401+00.00 TO STA. 405+14.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	452
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

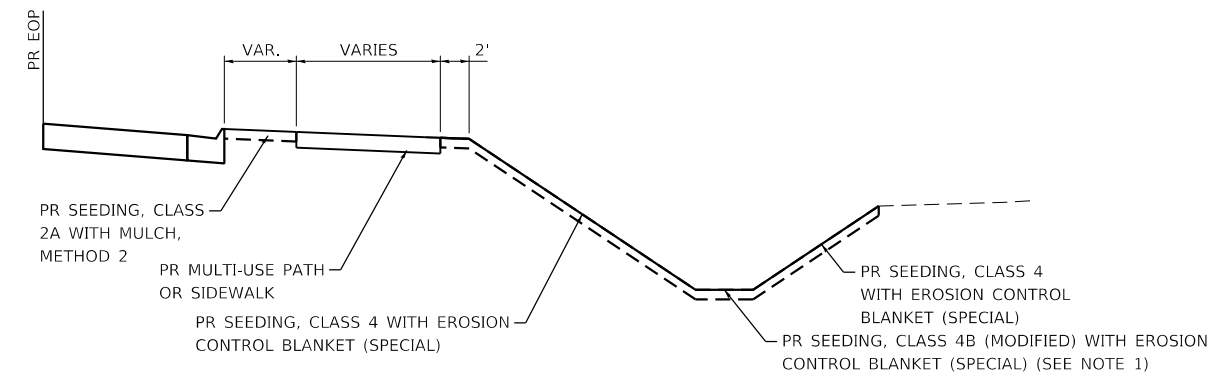


SEE IL ROUTE 47 SHT 444  
MATCH LINE STA. 306+00.00

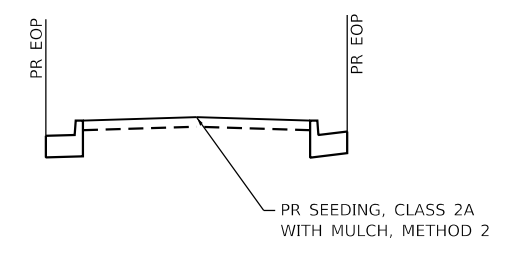
- NOTES:**
1. PROPOSED EROSION CONTROL BLANKET WITHIN THE LIMITS OF THE PROPOSED BIOSWALES SHALL BE REMOVED BY THE CONTRACTOR ONCE THE BIOSWALES ARE CONSTRUCTED.

**LEGEND**

- 25200110 SODDING, SALT TOLERANT
- 25000210 SEEDING, CLASS 2A
- X2502024 SEEDING, CLASS 4B (MODIFIED)
- 25000310 SEEDING, CLASS 4
- X2511630 EROSION CONTROL BLANKET (SPECIAL)
- 25100115 MULCH, METHOD 2
- 28100107 STONE RIPRAP, CLASS A4  
28200200 FILTER FABRIC
- 28100109 STONE RIPRAP, CLASS A5  
28200200 FILTER FABRIC



**EROSION CONTROL TYPICAL SECTION – IL ROUTE 176 EAST**  
LT & RT ROADSIDE DITCHES



**EROSION CONTROL TYPICAL SECTION – IL ROUTE 176 EAST**  
CENTER MEDIAN



USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

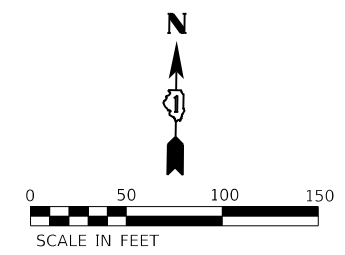
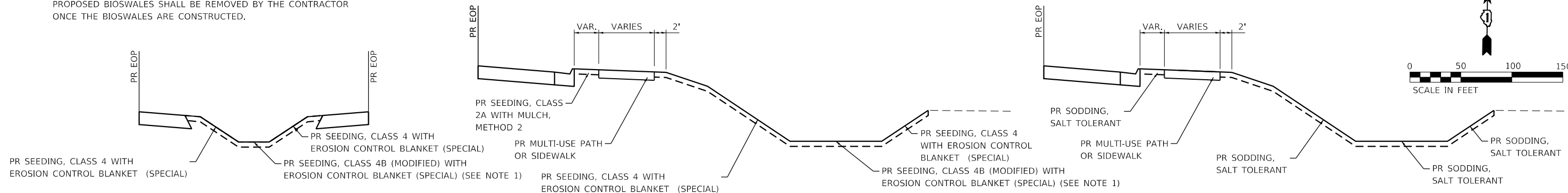
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 176 (EAST) EROSION CONTROL PLAN</b>	
SCALE: 1"=50'	SHEET 1 OF 1 SHEETS
STA. 306+00.00	TO STA. 316+65.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	453
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

**NOTES:**

1. PROPOSED EROSION CONTROL BLANKET WITHIN THE LIMITS OF THE PROPOSED BIOSWALES SHALL BE REMOVED BY THE CONTRACTOR ONCE THE BIOSWALES ARE CONSTRUCTED.



**EROSION CONTROL TYPICAL SECTION – IL ROUTE 176 WEST**

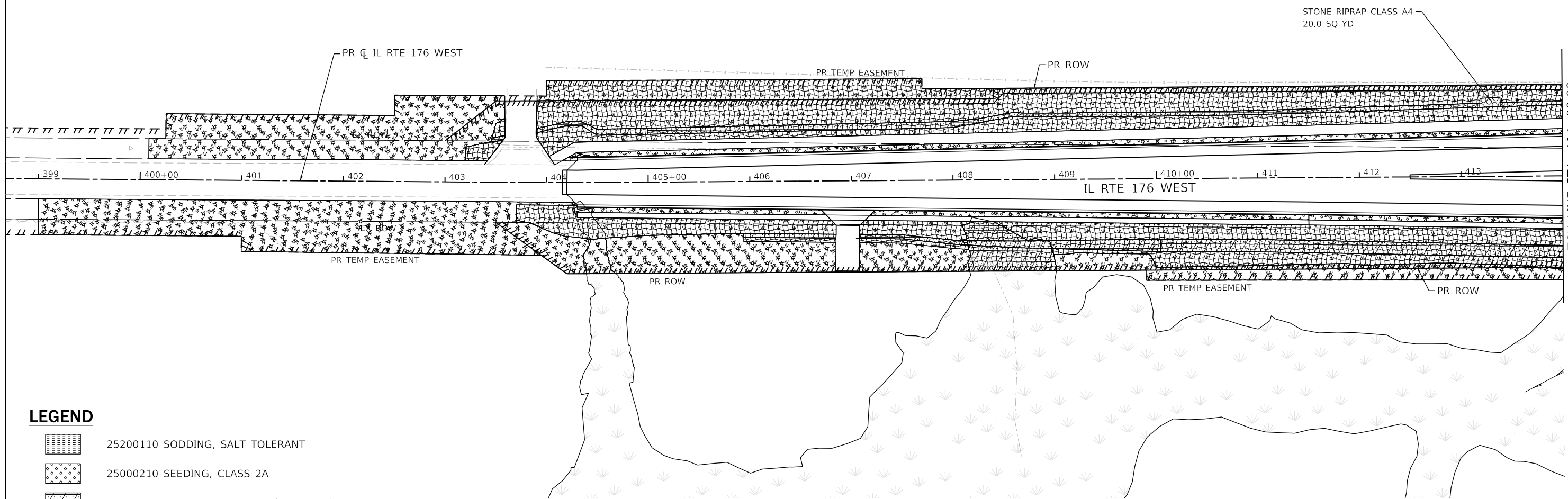
CENTER MEDIANS

**EROSION CONTROL TYPICAL SECTION – IL ROUTE 176 WEST**

LT & RT ROADSIDE DITCHES

**EROSION CONTROL TYPICAL SECTION – IL ROUTE 176 WEST**

LT & RT ROADSIDE DITCHES  
(RESIDENTIAL & COMMERCIAL AREAS)



**LEGEND**

- 25200110 SODDING, SALT TOLERANT
- 25000210 SEEDING, CLASS 2A
- X2502024 SEEDING, CLASS 4B (MODIFIED)
- 25000310 SEEDING, CLASS 4
- X2511630 EROSION CONTROL BLANKET (SPECIAL)
- 25100115 MULCH, METHOD 2
- 28100107 STONE RIPRAP, CLASS A4  
28200200 FILTER FABRIC
- 28100109 STONE RIPRAP, CLASS A5  
28200200 FILTER FABRIC



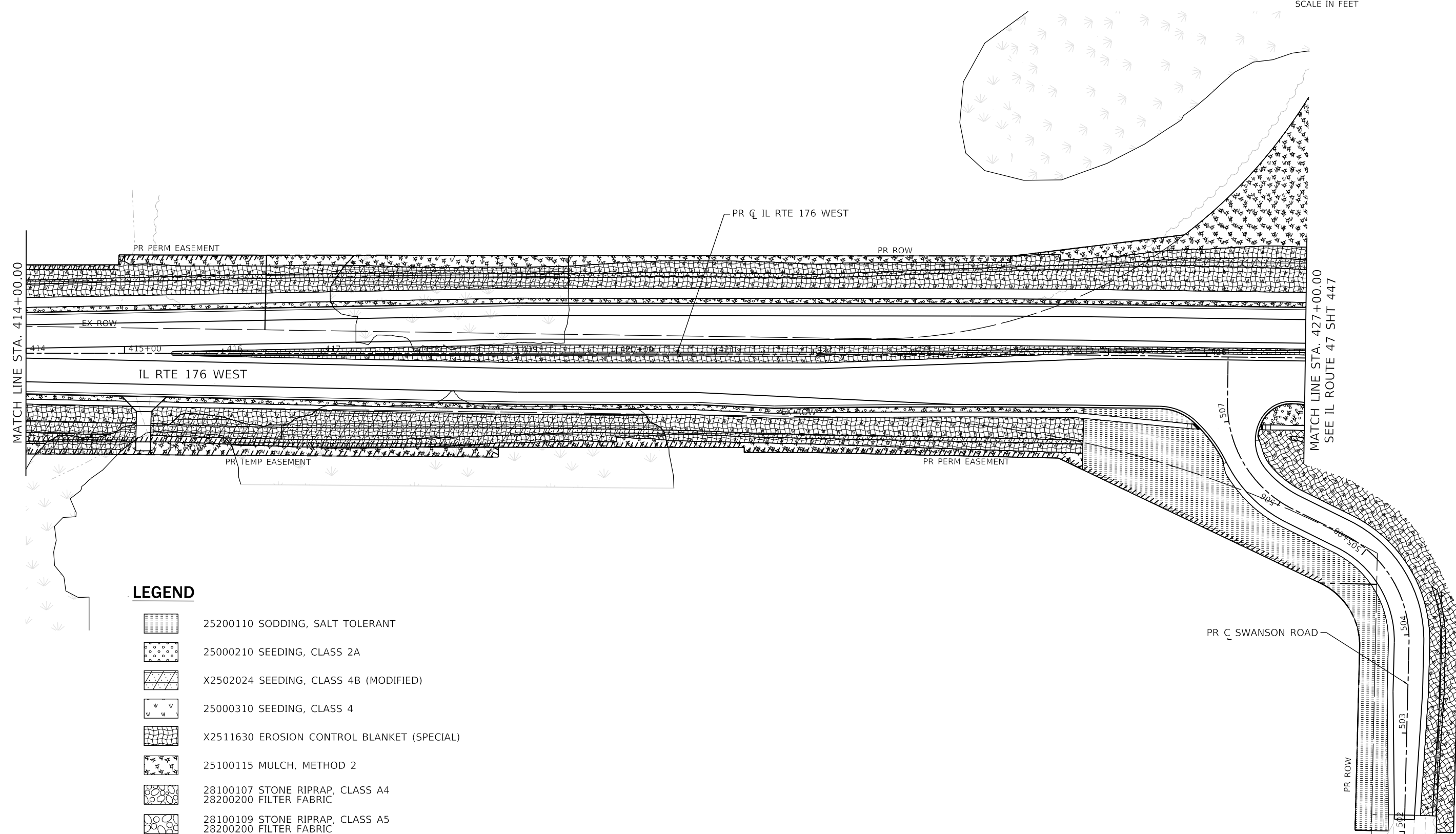
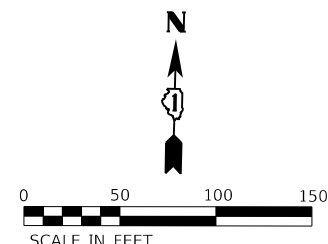
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PLOT SCALE = 100,0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**











**IL ROUTE 176 (WEST)  
EROSION CONTROL PLAN**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 404+20.00 TO STA. 414+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	454
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	



**LEGEND**

-  25200110 SODDING, SALT TOLERANT
-  25000210 SEEDING, CLASS 2A
-  X2502024 SEEDING, CLASS 4B (MODIFIED)
-  25000310 SEEDING, CLASS 4
-  X2511630 EROSION CONTROL BLANKET (SPECIAL)
-  25100115 MULCH, METHOD 2
-  28100107 STONE RIPRAP, CLASS A4
-  28200200 FILTER FABRIC
-  28100109 STONE RIPRAP, CLASS A5
-  28200200 FILTER FABRIC



USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (WEST)  
EROSION CONTROL PLAN**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 414+00.00 TO STA. 427+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	455
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	

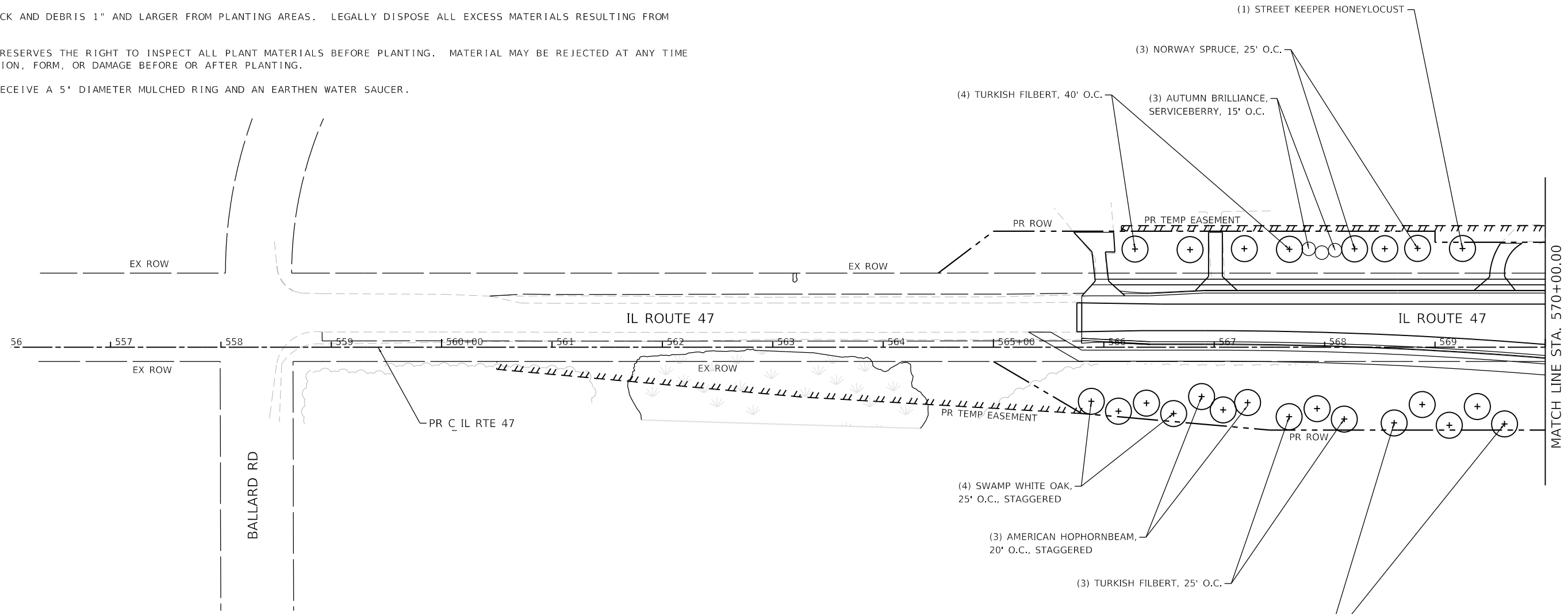
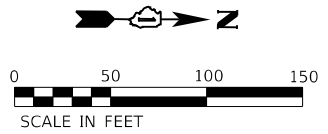








**LANDSCAPE GENERAL NOTES:**

- CAREFULLY MAINTAIN PRESENT GRADE DRIPLINE OF ALL EXISTING TREES TO REMAIN, PREVENT ANY DISTURBANCE OF EXISTING TREES. USE TREE PROTECTION WHERE INDICATED. PROTECT EXISTING TREES TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS, BRUISING OF BARK OR SMOTHERING OF TREES. DRIVING, PARKING, DUMPING, STOCKPILING AND/OR STORAGE OF VEHICLES, EQUIPMENT, SUPPLIES, MATERIALS OR DEBRIS ON TOP OF THE ROOT ZONES AND/OR WITHIN THE DRIP LINE OF EXISTING TREES OR OTHER PLANT MATERIAL TO REMAIN IS STRICTLY PROHIBITED.
- THE CONTRACTOR SHALL ORDER MATERIALS FOR ALL TREES AND BIOSWALE PLUGS IN ADVANCE OF THE KNOW PLANTING SCHEDULE TO ASSURE AVAILABILITY AND TO AVOID CROP FAILURE OR SHORTAGE.
- ENSURE FINISH GRADE MEETS GRADING INTENT TO MAINTAIN PROPER DRAINAGE TO EXISTING STRUCTURES.
- THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171, AT LEAST (7) DAYS PRIOR TO PLANTING FOR LAYOUT APPROVAL OF THE TREES AND BIOSWALE PLUGS.
- REMOVE ALL ROCK AND DEBRIS 1" AND LARGER FROM PLANTING AREAS. LEGALLY DISPOSE ALL EXCESS MATERIALS RESULTING FROM THE WORK.
- THE ENGINEER RESERVES THE RIGHT TO INSPECT ALL PLANT MATERIALS BEFORE PLANTING. MATERIAL MAY BE REJECTED AT ANY TIME DUE TO CONDITION, FORM, OR DAMAGE BEFORE OR AFTER PLANTING.
- TREES SHALL RECEIVE A 5' DIAMETER MULCHED RING AND AN EARTHEN WATER SAUCER.



**LEGEND**

-  SMALL TREE / SHRUB
-  SHADE TREE



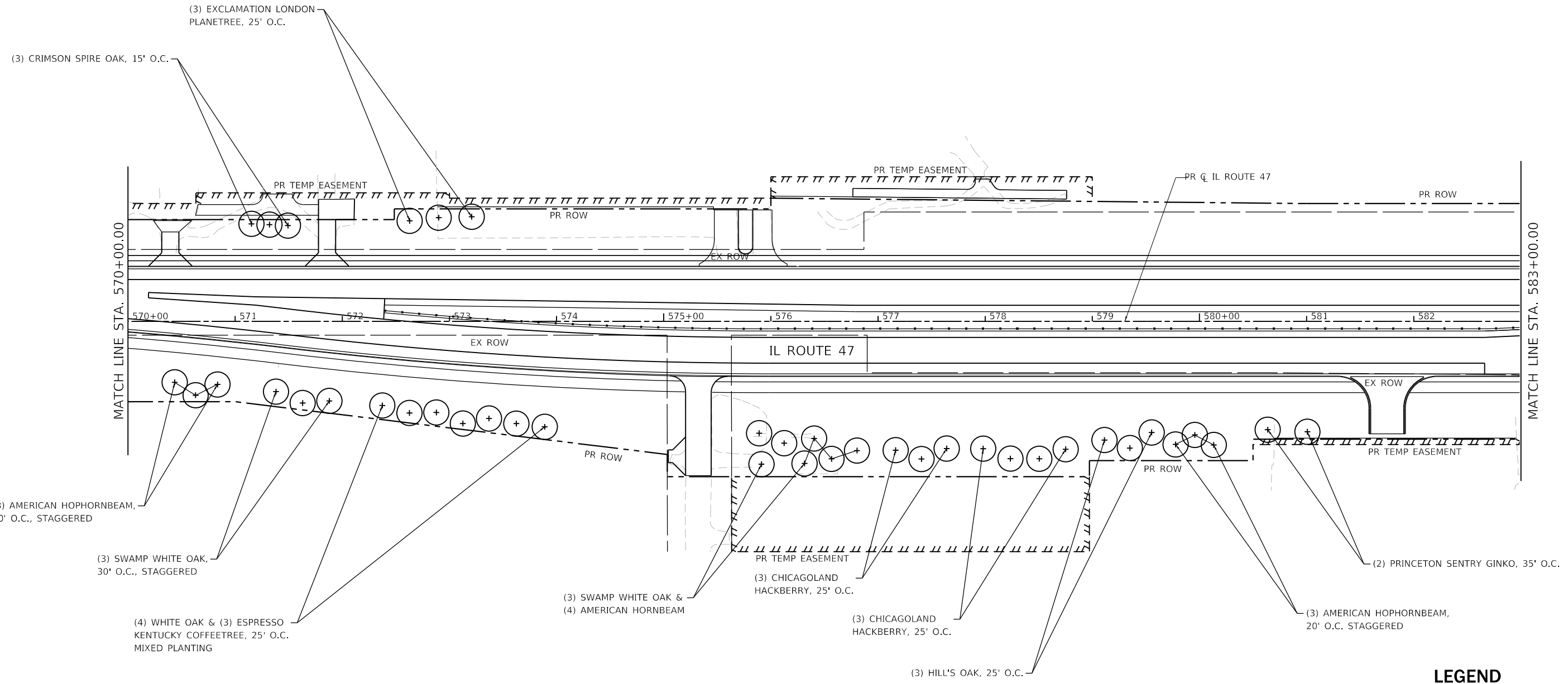
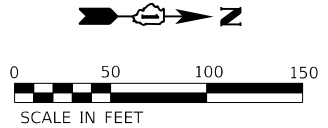
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PLOT SCALE = 100,0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47  
LANDSCAPE PLAN**

SCALE: 1"=50' SHEET 1 OF 8 SHEETS STA. 555+00.00 TO STA. 570+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	458
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				



**LEGEND**

- SMALL TREE / SHRUB
- ⊕ SHADE TREE

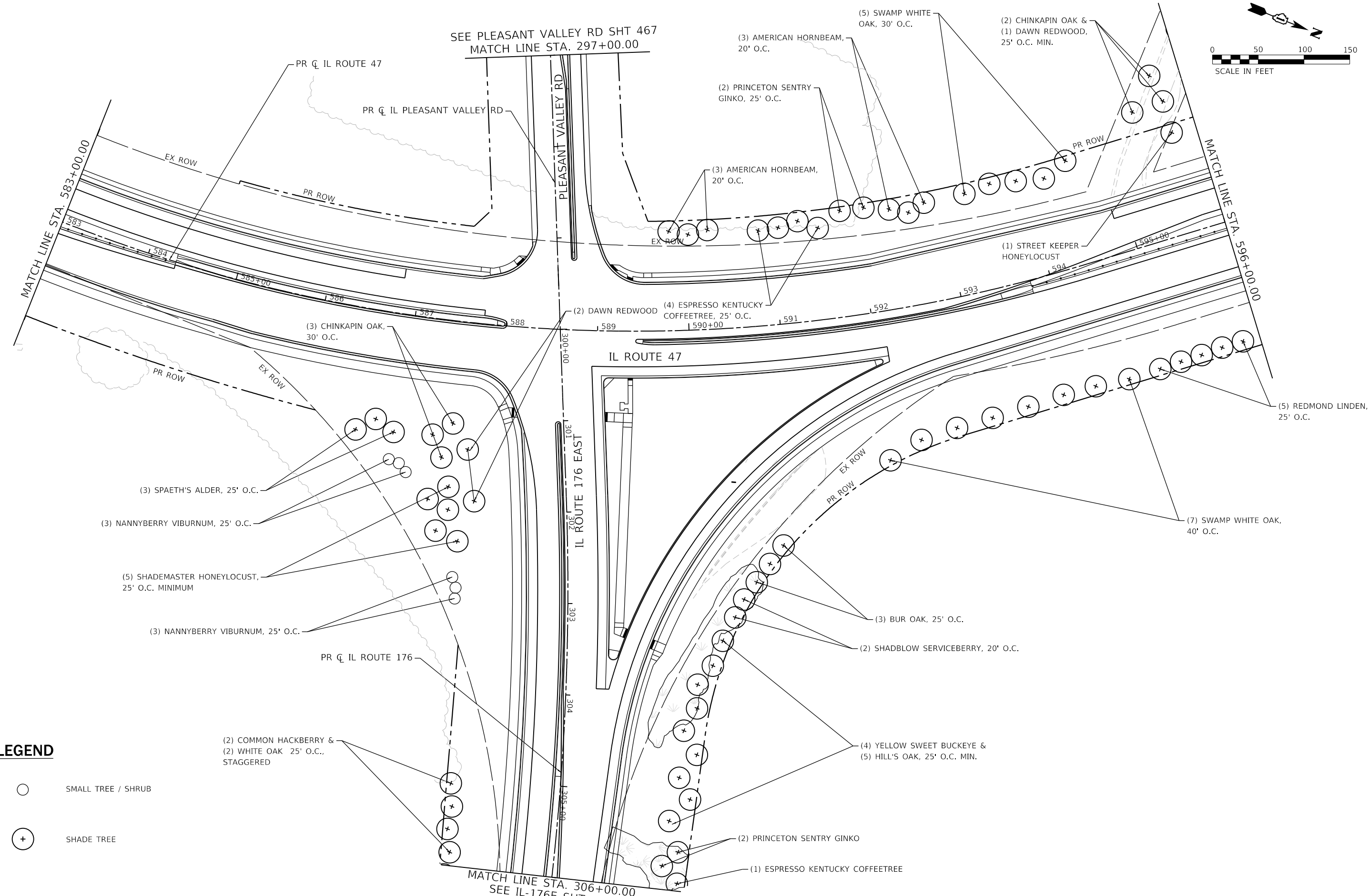
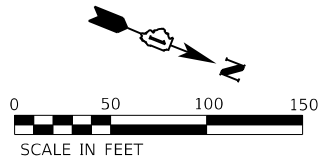


USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 47 LANDSCAPE PLAN</b>	
SCALE: 1"=50'	SHEET 2 OF 8 SHEETS
STA. 570+00.00	TO STA. 583+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	459
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- SMALL TREE / SHRUB
- ⊕ SHADE TREE

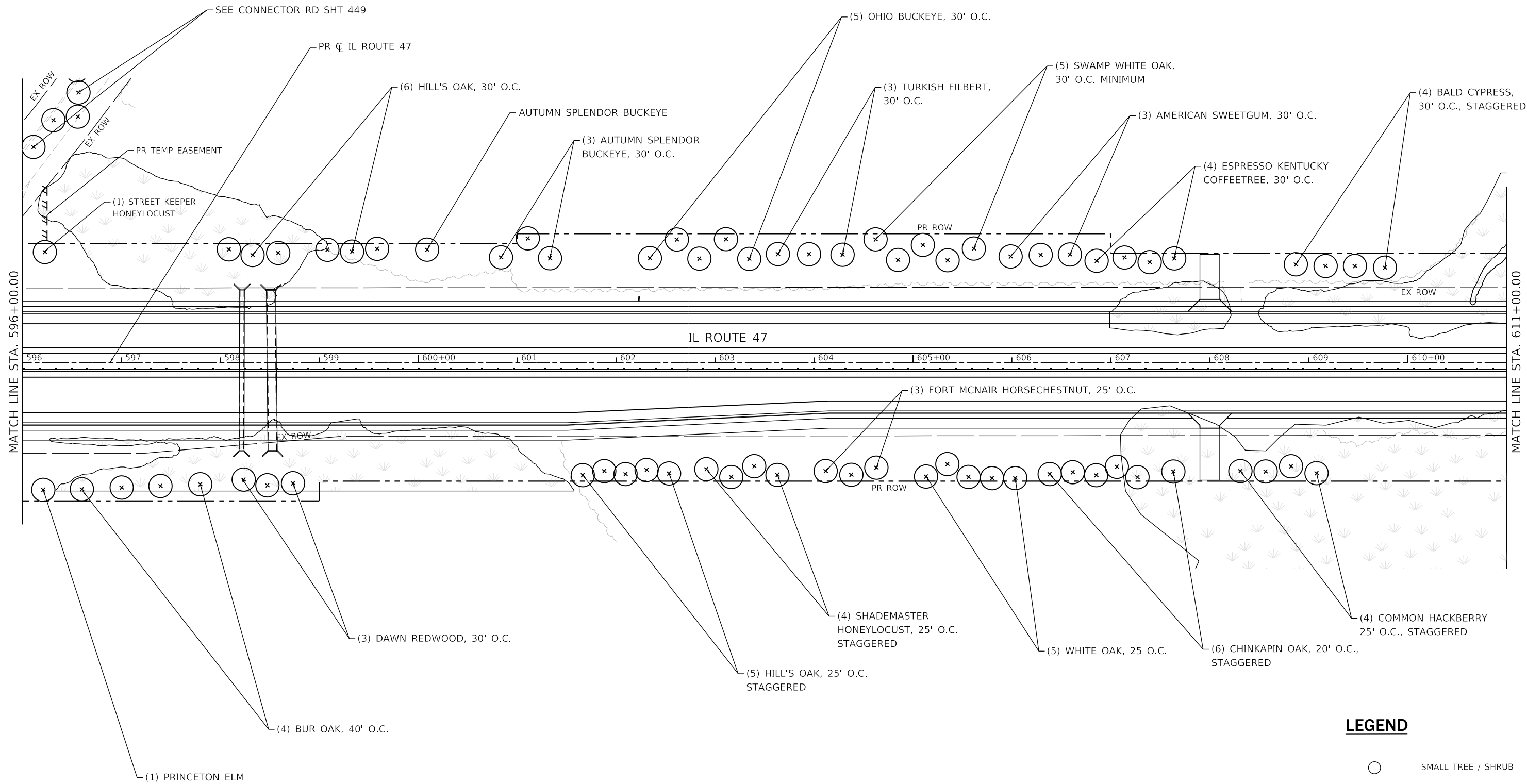
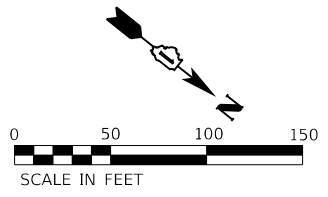


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	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 47 LANDSCAPE PLAN</b>	
SCALE: 1"=50'	SHEET 3 OF 8 SHEETS
STA. 583+00.00	TO STA. 596+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 460
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B43	



**LEGEND**

- SMALL TREE / SHRUB
- ⊕ SHADE TREE



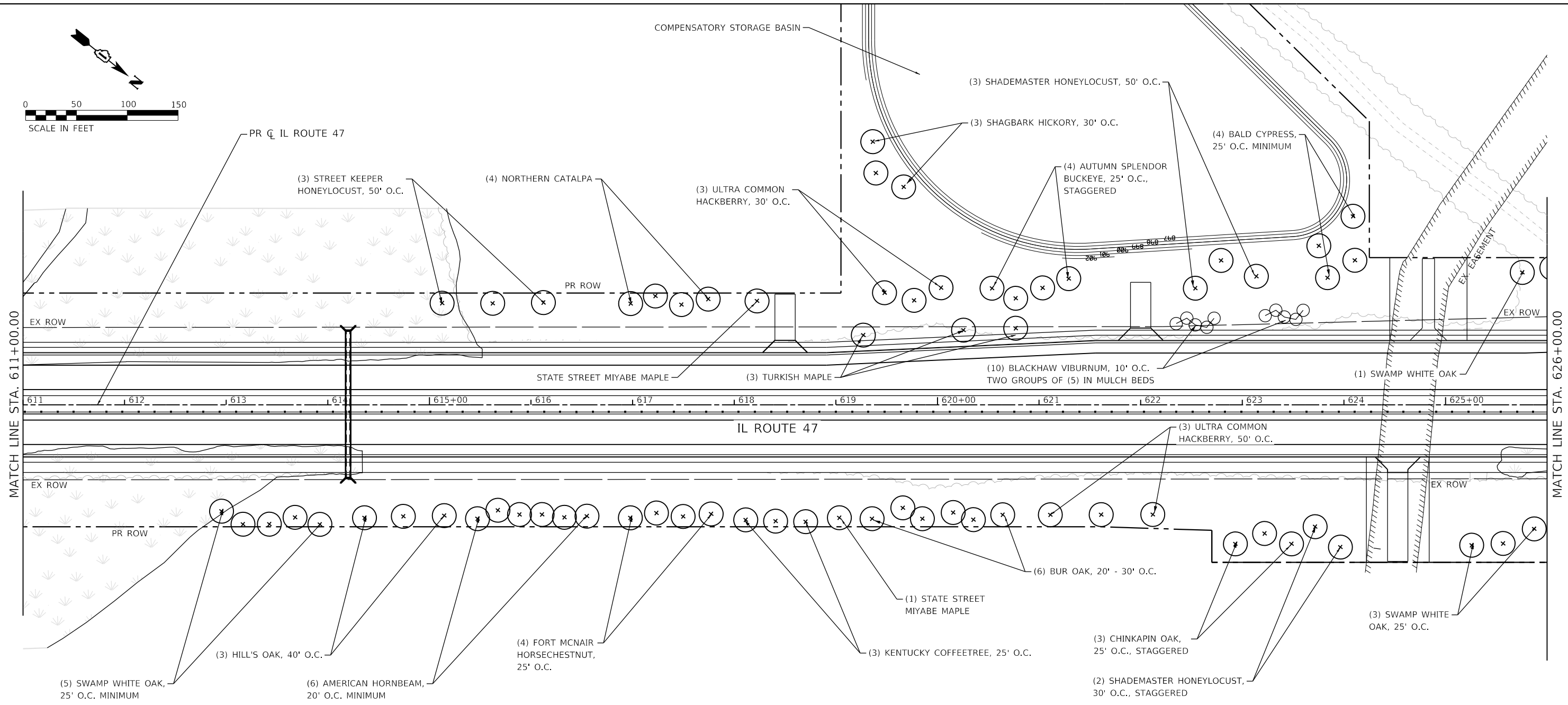
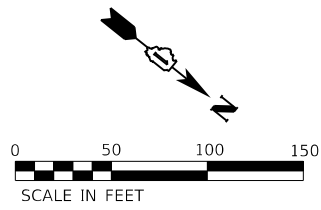
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PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47  
LANDSCAPE PLAN**

SCALE: 1"=50'    SHEET 4 OF 8 SHEETS    STA. 596+00.00 TO STA. 611+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 461
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

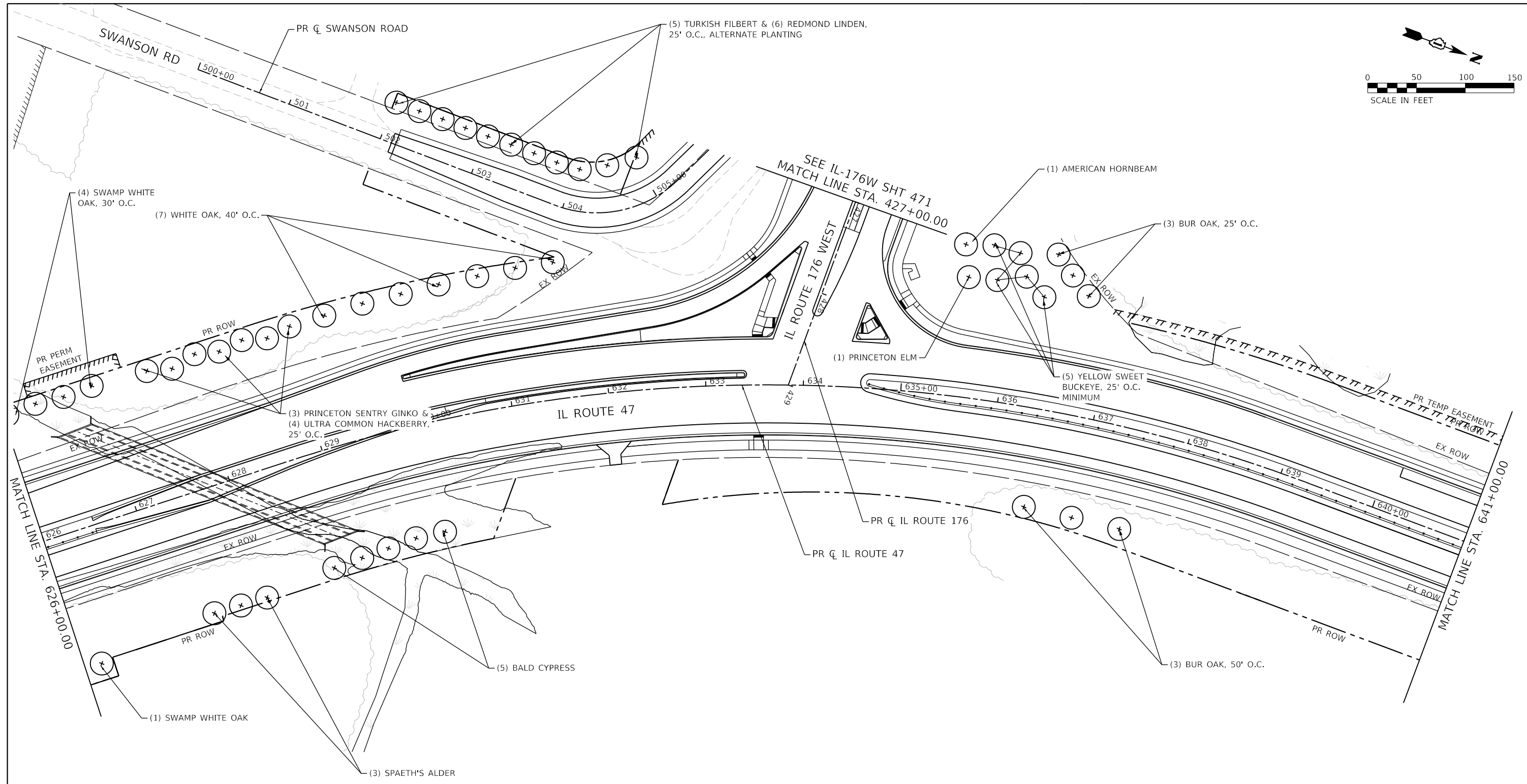
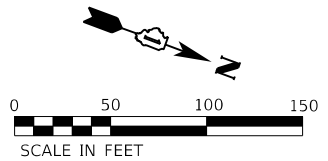


**LEGEND**

- SMALL TREE / SHRUB
- ⊕ SHADE TREE

USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	462
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				



**LEGEND**

- SMALL TREE / SHRUB
- ⊕ SHADE TREE

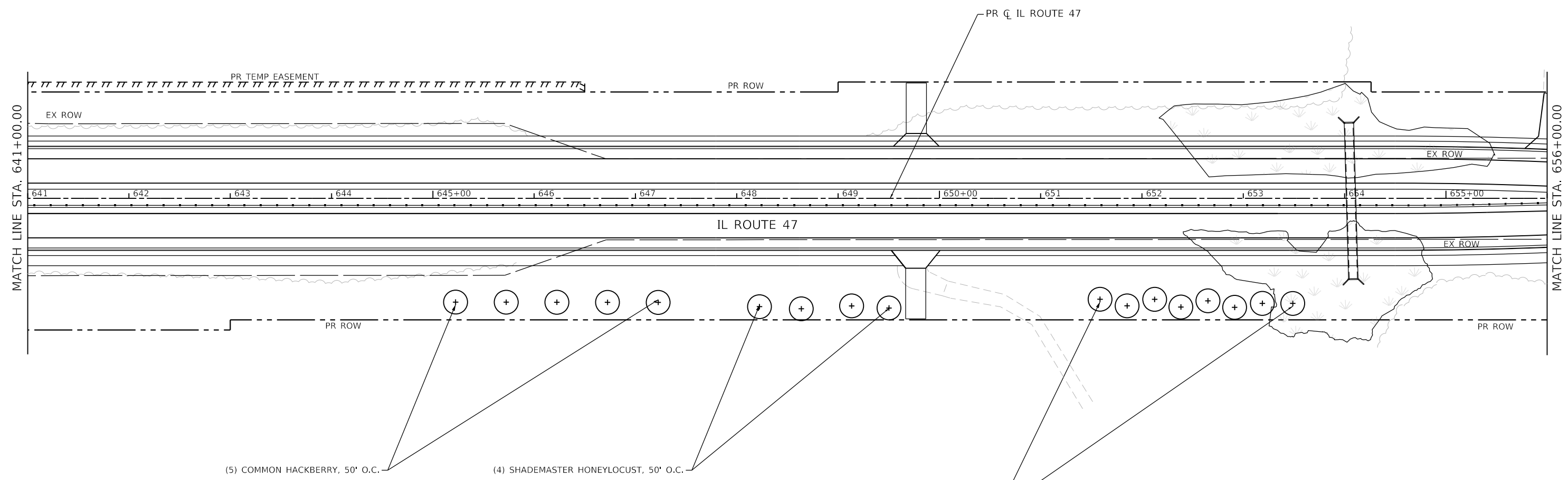
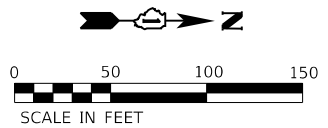


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PLOT SCALE = 100,0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 47 LANDSCAPE PLAN</b>	
SCALE: 1"=50'	SHEET 6 OF 8 SHEETS
STA. 626+00.00	TO STA. 641+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 463
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- SMALL TREE / SHRUB
- ⊕ SHADE TREE



USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
	DRAWN - LC / NH	REVISED -
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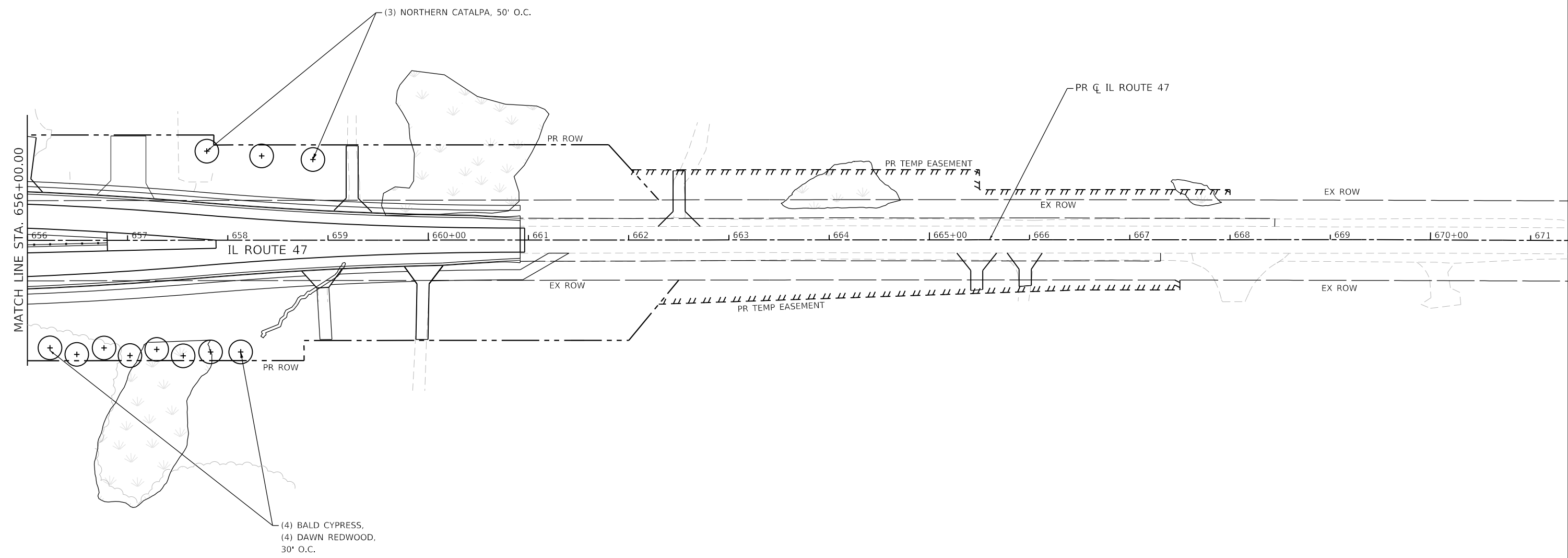
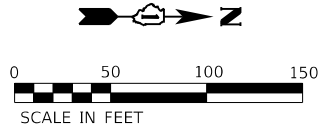
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47  
LANDSCAPE PLAN**



SCALE: 1"=50'    SHEET 7 OF 8 SHEETS    STA. 641+00.00 TO STA. 656+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	464
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				





**LEGEND**

-  SMALL TREE / SHRUB
-  SHADE TREE

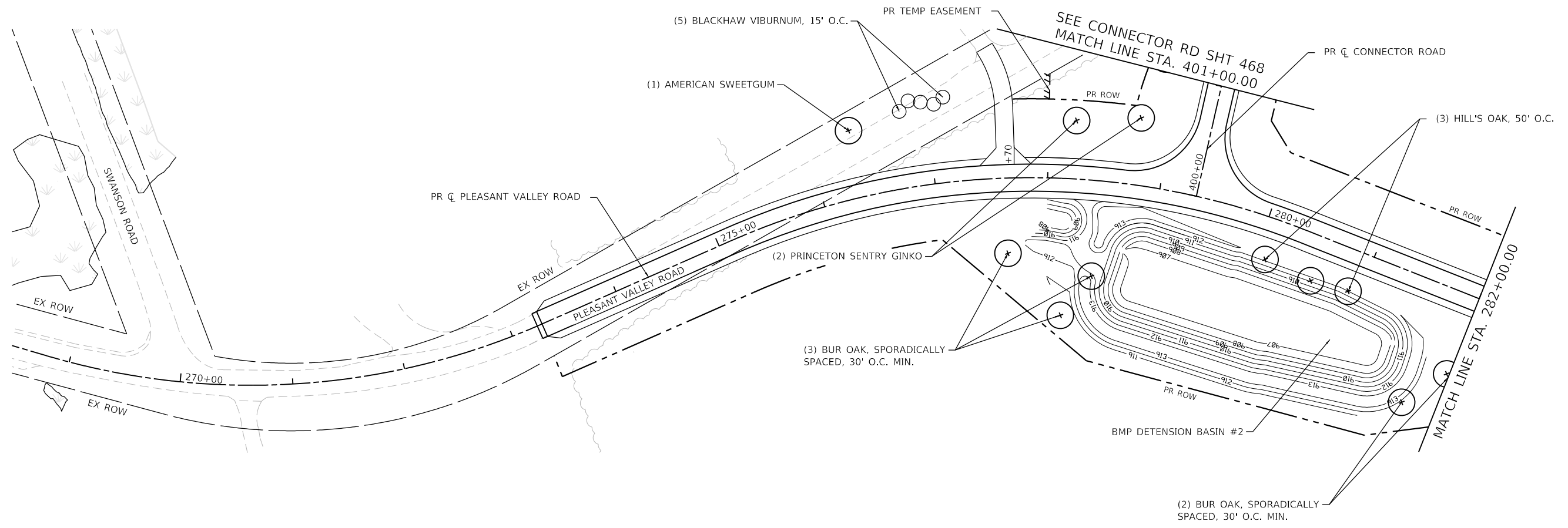
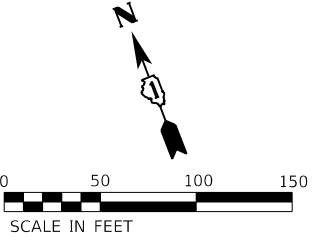


USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 47 LANDSCAPE PLAN</b>			
SCALE: 1"=50'	SHEET 8	OF 8 SHEETS	STA. 656+00.00 TO STA. 671+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	465
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- SMALL TREE / SHRUB
- ⊕ SHADE TREE



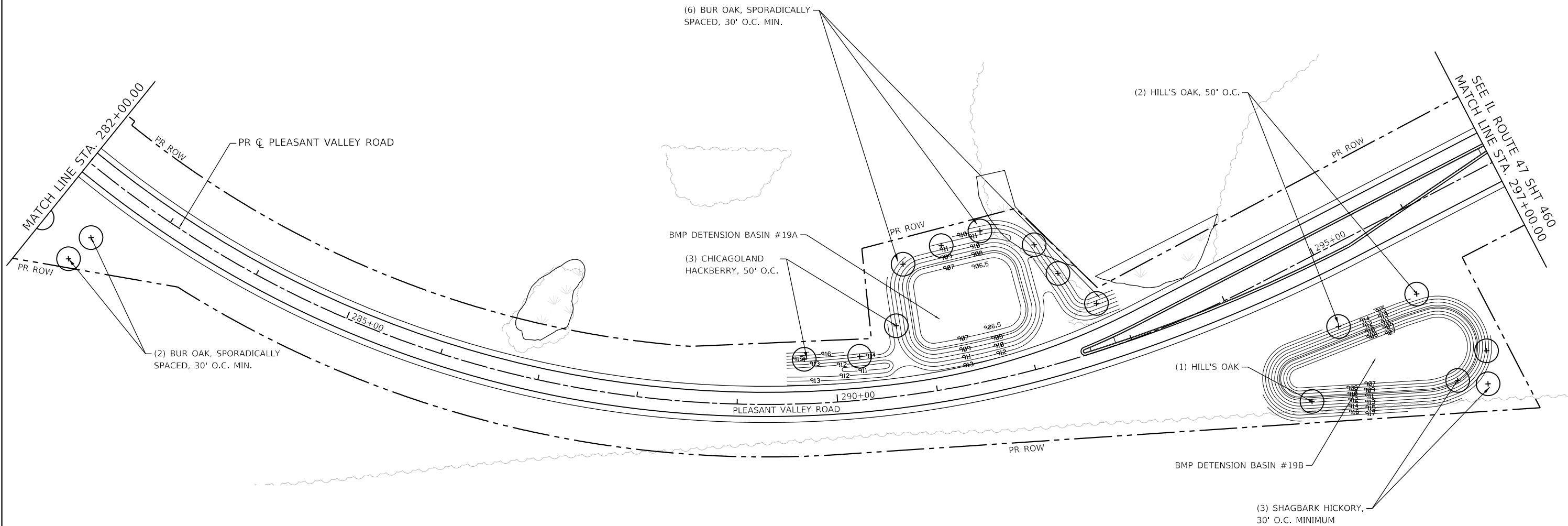
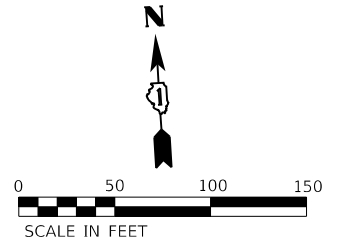
USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLEASANT VALLEY ROAD  
LANDSCAPE PLAN**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 273+28.00 TO STA. 282+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 466
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				



**LEGEND**

- SMALL TREE / SHRUB
- ⊕ SHADE TREE



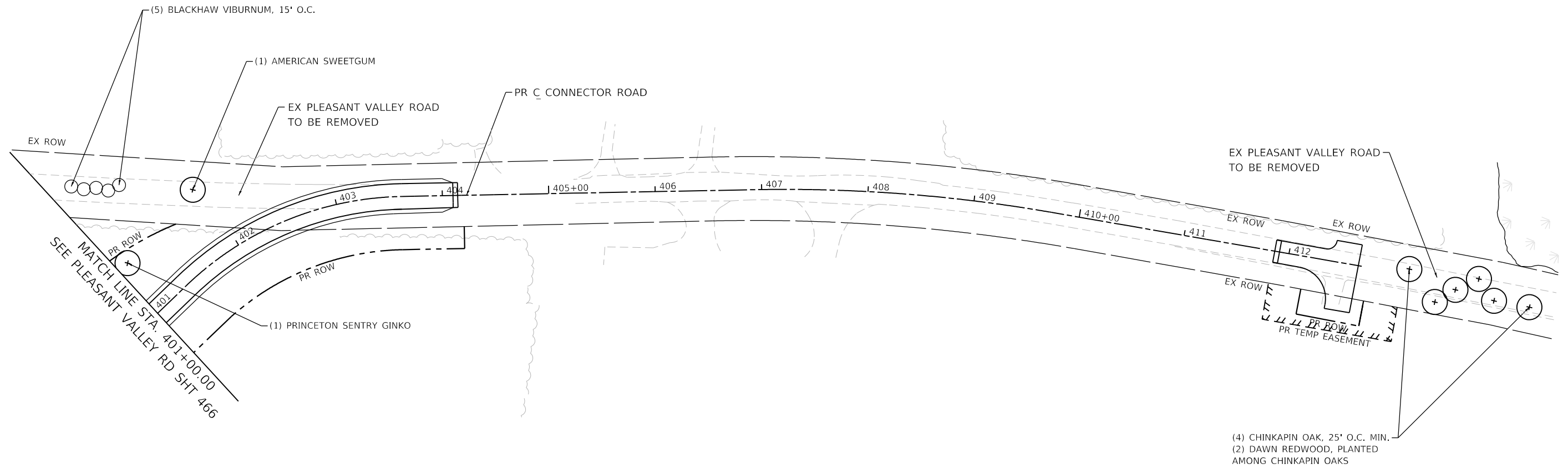
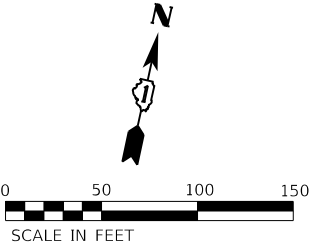
USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLEASANT VALLEY ROAD  
LANDSCAPE PLAN**

SCALE: 1"=50'    SHEET 2 OF 2 SHEETS    STA. 282+00.00 TO STA. 297+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	467
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- SMALL TREE / SHRUB
- ⊕ SHADE TREE



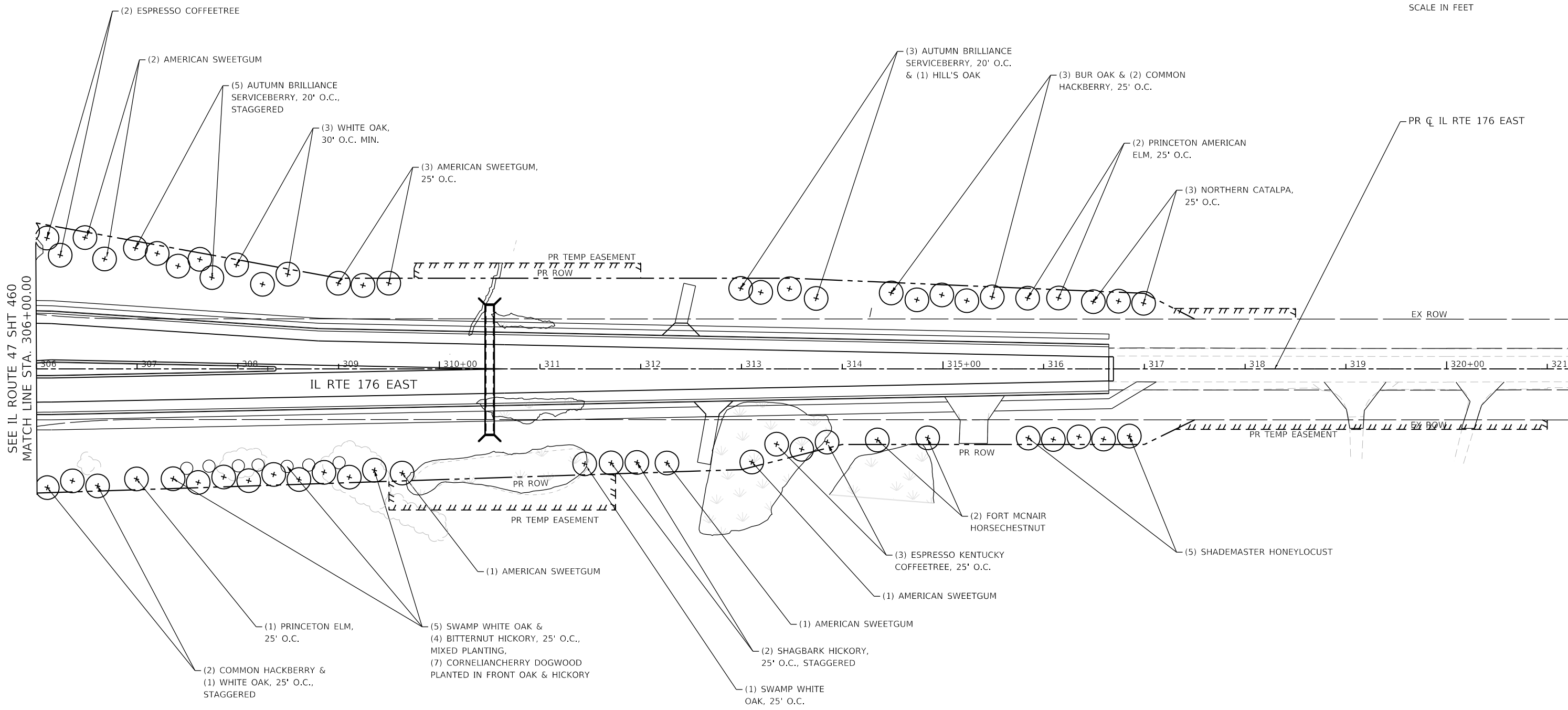
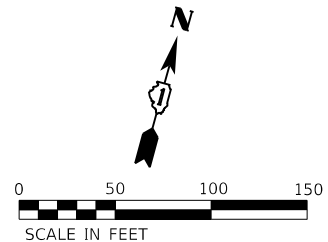
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	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100.0011' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONNECTOR ROAD  
LANDSCAPE PLAN**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 401+00.00 TO STA. 405+14.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	468
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				



**LEGEND**

- SMALL TREE / SHRUB
- ⊕ SHADE TREE



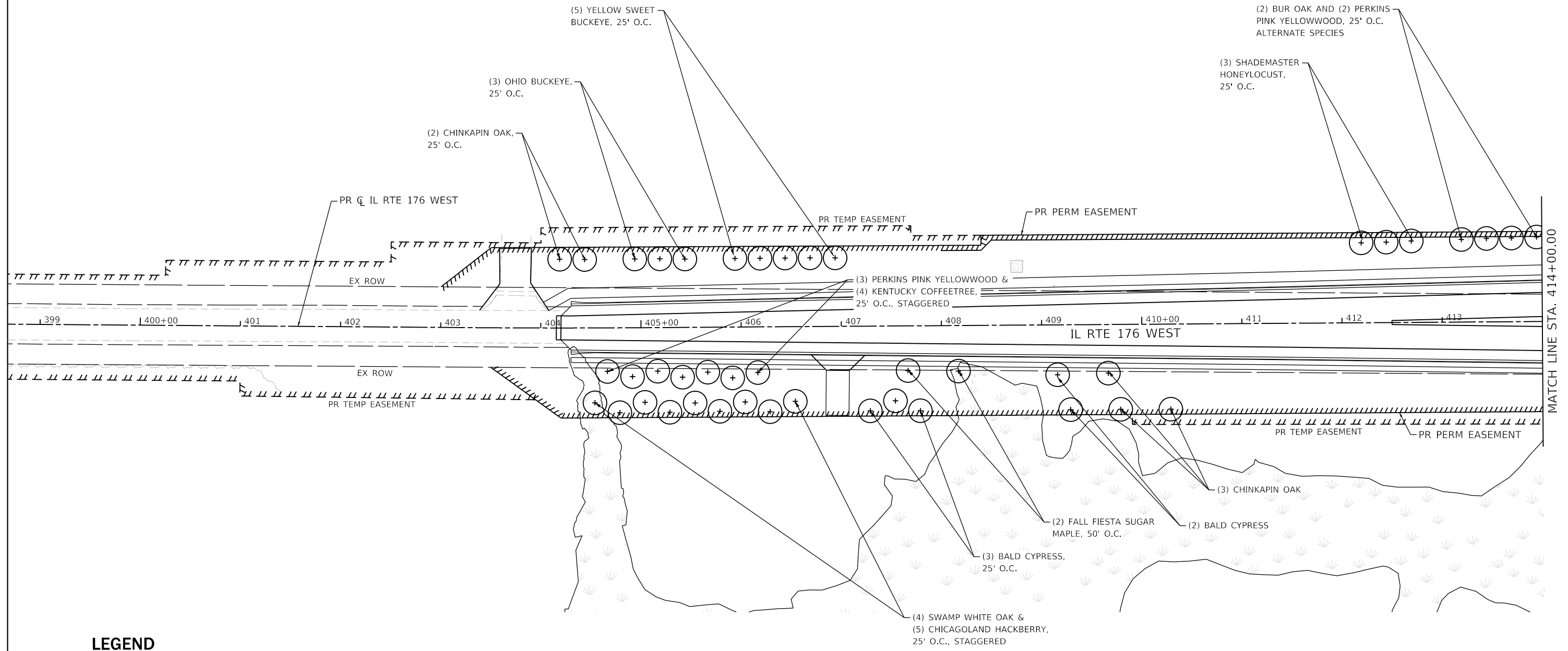
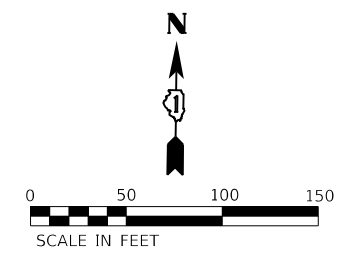
USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**IL ROUTE 176 (EAST)  
LANDSCAPE PLAN**

SCALE: 1"=50'    SHEET 1 OF 1 SHEETS    STA. 306+00.00 TO STA. 316+65.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	469
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**LEGEND**

-  SMALL TREE / SHRUB
-  SHADE TREE



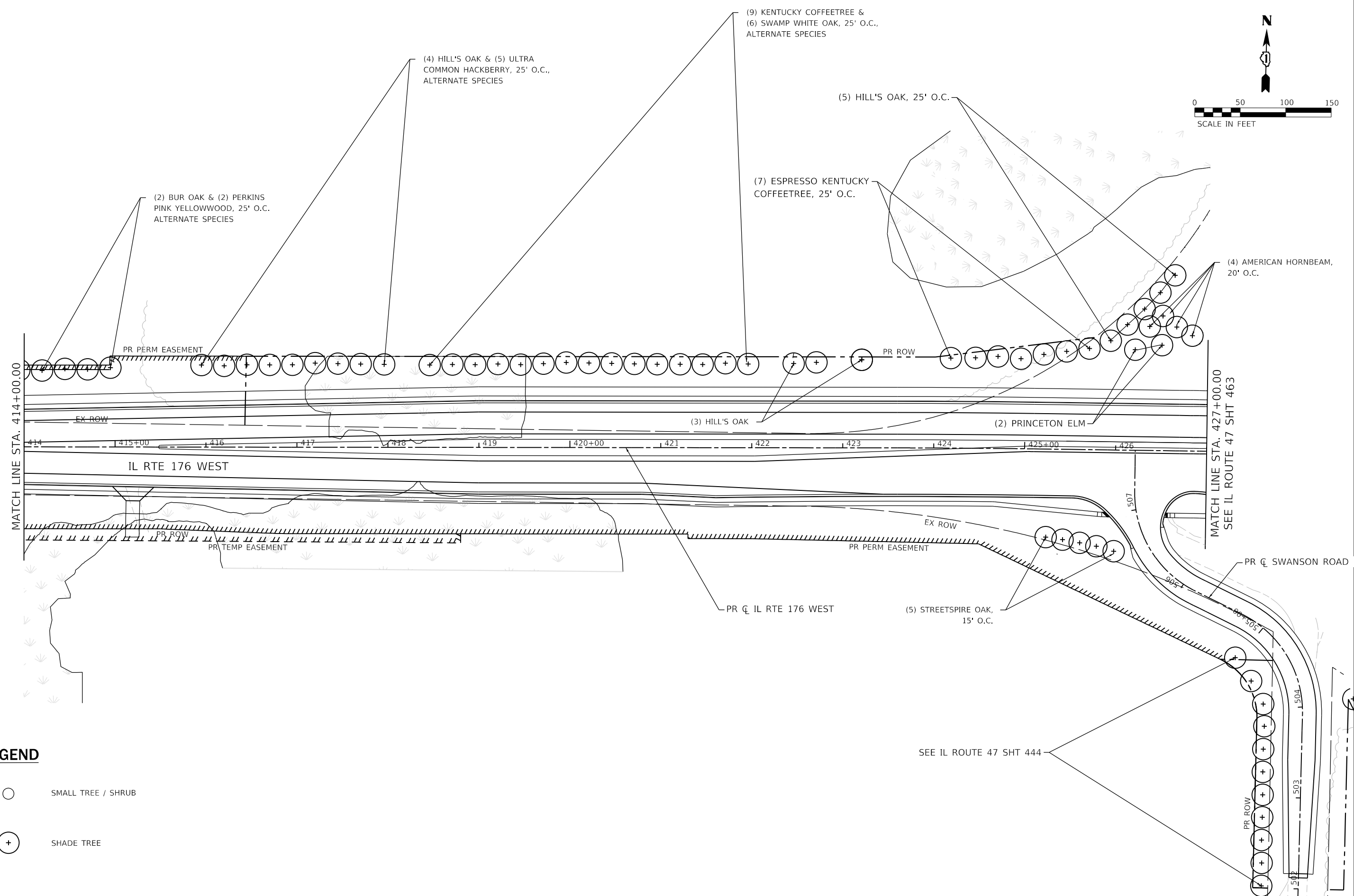
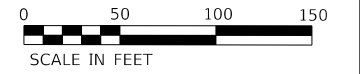
USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (WEST)  
LANDSCAPE PLAN**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 404+20.00 TO STA. 414+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	470
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	



**LEGEND**

- SMALL TREE / SHRUB
- ⊕ SHADE TREE



USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (WEST)  
LANDSCAPE PLAN**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 414+00.00 TO STA. 427+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	471
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

## SCHEDULE OF QUANTITIES - BIOSWALES

LOCATION			TURF REINFORCEMENT MAT (25100900)	FILTER FABRIC (28200200)	SAND BACKFILL (58600100)	PIPE UNDERDRAIN, TYPE 1 6" (60108106)	PIPE UNDERDRAIN, 6" (SPECIAL) (60108200)	TOPSOIL FURNISH AND PLACE, SPECIAL (X2110100)	CA-7 WASHED GRAVEL FOR RAIN GARDEN (K1001970)	BEST MANAGEMENT PRACTICES DITCH CHECK	CLEANOUTS (X5610001)	INSPECTION WELLS (Z0030900)	TEMPORARY DITCH CHECKS (28000305)
FROM STA.	TO STA.	OFFSET	SQ YD	SQ YD	CU YD	FOOT	FOOT	CU YD	CU YD	EACH	EACH	EACH	FOOT
<b>ILLINOIS ROUTE 47</b>													
568+00.00	568+20.99	RT		28.31	2.33			7.77	1.30				60
568+20.99	568+28.98	RT	9.18										
568+28.98	570+25.63	RT		265.23	21.85			72.83	12.14				420
570+25.63	570+33.61	RT	9.19										
570+33.61	570+81.15	RT		64.12	5.28			17.61	2.93				120
570+81.15	571+00.00	RT	21.80										
570+87.00		RT								1			
575+90.00	577+61.99	RT		461.29	50.96			101.92	31.85				380
577+61.99	577+78.99	RT	30.84										
577+68.39		RT								1			
577+78.99	579+46.00	RT		447.94	49.48			98.97	30.93				360
579+46.00	579+54.00	RT	14.51										
579+54.00	579+80.00	RT		69.73	7.70			15.41	4.81				80
579+80.00	579+99.00	RT	34.46										
579+86.58		RT								1			
583+03.82	583+08.60	RT	6.88										
583+04.17	583+09.39	LT	9.02										
583+08.60	583+46.19	RT		50.70	5.57			16.71	2.32				100
583+09.39	583+73.65	LT		172.35	19.04			38.08	11.90				160
583+46.19	583+53.81	RT	11.34										
583+53.81	586+00.00	RT		332.05	36.47			109.42	15.20				540
583+73.65	583+82.01	LT	14.18										
583+82.01	584+55.83	LT		197.99	21.87			43.75	13.67				170
584+55.83	584+64.19	LT	14.02										
584+64.19	585+95.82	LT		375.47	41.48			82.96	25.92				280
585+95.82	586+17.76	LT	39.59										
586+11.11		LT								1			
586+17.76	588+00.00	LT		488.78	54.00			107.99	33.75				380
592+56.71	594+00.00	RT					152.98						
594+01.89		RT									1		
594+00.00	596+33.00	RT		624.93	69.04	236.30		138.07	43.15				510
596+00.00		LT									1		
596+00.00	596+46.00	LT		123.38	13.63	46.00		27.26	8.52				130
596+33.00	596+54.00	RT	38.10				21.03						
596+39.57		RT								1			
596+46.00	596+54.00	LT	14.51				8.00						
596+57.61		RT									1		
596+54.00	597+91.00	RT		367.45	40.59	137.04		81.19	25.37				310
596+54.00	597+91.00	LT		367.45	40.59	137.02		81.19	25.37				310
597+91.00	598+39.89	LT					48.89						
597+91.00	598+41.90	RT					51.20						
598+08.44		RT									1		
598+08.50		LT									1		
598+39.89		LT										1	
598+41.64		RT										1	
598+60.00	598+96.00	LT		59.12	6.51			17.17	3.20				100
598+96.00	599+04.00	LT	10.95										
599+04.00	601+33.00	LT		308.87	33.93			101.78	14.14				480
601+33.00	601+54.00	LT	28.79										
601+39.57		LT								1			
601+54.00	603+66.00	LT		285.94	31.41			94.22	13.09				450



# SCHEDULE OF QUANTITIES - BIOSWALES

LOCATION			TURF REINFORCEMENT MAT (25100900)	FILTER FABRIC (28200200)	SAND BACKFILL (58600100)	PIPE UNDERDRAIN, TYPE 1 6" (60108106)	PIPE UNDERDRAIN, 6" (SPECIAL) (60108200)	TOPSOIL FURNISH AND PLACE, SPECIAL (X2110100)	CA-7 WASHED GRAVEL FOR RAIN GARDEN (K1001970)	BEST MANAGEMENT PRACTICES DITCH CHECK	CLEANOUTS (X5610001)	INSPECTION WELLS (Z0030900)	TEMPORARY DITCH CHECKS (28000305)
FROM STA.	TO STA.	OFFSET	SQ YD	SQ YD	CU YD	FOOT	FOOT	CU YD	CU YD	EACH	EACH	EACH	FOOT
<b>ILLINOIS ROUTE 47</b>													
603+66.00	604+04.00	LT	52.04										
604+04.00	606+33.00	LT		308.87	33.93			101.78	14.14				480
606+33.00	606+54.00	LT	28.74										
606+39.57		LT								1			
606+54.00	608+91.00	LT		319.66	35.11			105.33	14.63				500
608+50.00	608+96.00	RT		62.04	5.11			17.04	2.84				110
608+91.00	609+04.00	LT	17.80										
608+96.00	609+04.00	RT	9.18										
609+04.00	609+41.00	RT		49.90	4.11			13.70	2.28				100
609+41.00	609+60.00	RT	34.45										
609+47.57		RT								1			
615+08.00	615+29.00	RT	54.10										
615+14.57		RT								1			
615+29.00	617+32.99	RT		1023.10	113.33			173.77	81.85				460
615+90.00	616+09.00	LT	34.42										
616+02.57		LT								1			
616+09.00	616+46.00	LT		99.24	10.96			21.93	6.85				110
616+46.00	616+54.00	LT	14.41										
616+54.00	617+00.00	LT		123.38	13.63			27.26	8.52				130
617+32.99	617+53.99	RT	54.30										
617+39.55		RT								1			
617+53.99	619+00.00	RT		732.30	81.12			124.38	58.58				340
623+04.46	623+23.47	RT	98.82										
623+23.47	624+16.87	RT		1162.71	129.03			156.70	101.76				270
625+08.90		RT									1		
625+46.38		LT									1		
625+46.91	625+91.50	LT		119.59	13.21	44.78		26.42	8.26				120
625+91.50	626+10.41	LT	32.27				18.97						
625+05.65	625+87.02	RT		1062.32	117.90	77.24		142.01	93.22				250
625+87.02	626+05.95	RT	98.47				18.87						
626+10.41	626+19.79	LT					10.00						
625+97.30		LT								1			
625+97.57		RT								1			
626+13.50		RT								1			
626+13.58		LT								1			
626+19.79		LT											
626+05.95	628+69.34	RT					264.40					1	
626+56.64		LT										1	
626+56.64	627+67.26	LT					111.07						
627+39.08		LT									1		
627+67.26	627+75.27	LT	10.83				7.97						
627+75.27	628+96.26	LT		324.51	35.85	123.45		71.70	22.41				280
628+69.34		RT										1	
628+96.27	629+03.74	LT	13.60				7.97						
629+03.74	629+90.36	LT		232.32	25.67	92.90		51.33	16.04				230
629+90.36	630+16.60	LT					28.70						
635+50.00	635+96.20	LT		123.91	13.69			27.38	8.56				130
635+96.20	636+03.81	LT	14.50										
636+03.81	636+91.44	LT		235.03	25.96			51.93	16.23				220
636+15.00	638+01.88	RT		692.47	76.62			131.99	52.31				390
636+91.45	636+96.20	LT	9.08										



USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
	DRAWN - LC / NH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/19/2023	DATE - 12-2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BIOSWALE SCHEDULES**

SCALE: N.T.S.    SHEET 2 OF 5 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	473
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

## SCHEDULE OF QUANTITIES - BIOSWALES

LOCATION			TURF REINFORCEMENT MAT (25100900)	FILTER FABRIC (28200200)	SAND BACKFILL (58600100)	PIPE UNDERDRAIN, TYPE 1 6" (60108106)	PIPE UNDERDRAIN, 6" (SPECIAL) (60108200)	TOPSOIL FURNISH AND PLACE, SPECIAL (X2110100)	CA-7 WASHED GRAVEL FOR RAIN GARDEN (K1001970)	BEST MANAGEMENT PRACTICES DITCH CHECK	CLEANOUTS (X5610001)	INSPECTION WELLS (Z0030900)	TEMPORARY DITCH CHECKS (28000305)
FROM STA.	TO STA.	OFFSET	SQ YD	SQ YD	CU YD	FOOT	FOOT	CU YD	CU YD	EACH	EACH	EACH	FOOT
<b>ILLINOIS ROUTE 47</b>													
638+01.88	638+27.23	RT	54.20										
638+11.33		RT								1			
638+19.21	638+41.91	LT	38.60										
638+33.38		LT								1			
638+41.91	639+46.00	LT		209.79	23.13								240
639+04.24	639+09.53	RT	6.83										
639+09.53	639+46.00	RT		49.19	5.40								100
639+46.00	639+70.00	LT	37.58										
639+46.00	639+54.00	RT	10.94										
639+54.00	641+00.00	RT		196.92	21.36			64.35	9.01				320
639+61.08		LT								1			
639+70.00	640+30.00	LT		91.53	10.07			27.84	4.69				150
650+04.00		RT									1		
650+04.00	651+18.00	RT		172.76	14.78	118.10		44.33	8.80				250
650+11.14		LT									1		
650+10.98	651+46.00	LT		182.11	15.00	138.93		50.01	8.33				290
651+18.00	651+39.00	RT	24.05				21.02						
651+39.00	654+00.79	RT					261.91						
651+24.43		RT								1			
651+42.50		RT									1		
651+46.00	651+54.00	LT	9.18				8.01						
651+54.00	651+91.00	LT		49.90	4.11	37.02		13.70	2.28				100
651+91.00	651+96.00	LT	5.74				5.00						
652+08.50		LT									1		
651+96.00	653+95.66	LT					199.77						
653+95.66		LT										1	
654+00.79		RT										1	
654+12.02	654+30.00	LT					18.00						
654+12.02		LT										1	
654+17.98	654+90.10	RT					72.08						
654+17.98		RT										1	
654+30.00		LT									1		
654+30.00	654+49.00	LT	21.80				19.01						
654+42.50		LT								1			
654+49.00	655+75.00	LT		169.94	14.00	126.02		46.67	7.78				270
654+86.59		RT									1		
654+90.00	655+09.00	RT	43.26				19.08						
655+02.43		RT								1			
655+09.00	655+95.99	RT		349.30	38.66	40.90		64.44	26.85				220
655+75.00		LT									1		
655+95.99	656+17.00	RT	46.82				21.02						
656+10.43		RT								1			
656+17.00	658+00.00	RT		734.82	81.33	183.11		135.56	56.48				410
658+00.09		RT									1		



USER NAME = LIN04-PC	DESIGNED - LC / NH	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - LC / NH	REVISED -
PLOT DATE = 12/19/2023	CHECKED - SGL	REVISED -
	DATE - 12-2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BIOSWALE SCHEDULES</b>			
SCALE: N.T.S.	SHEET 3 OF 5 SHEETS	STA.	TO STA.

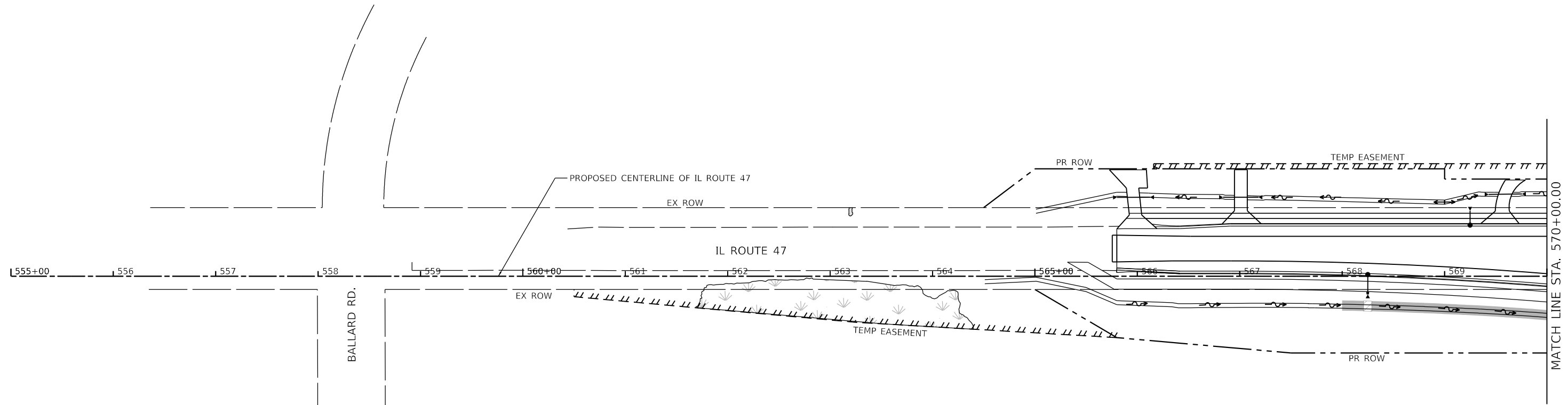
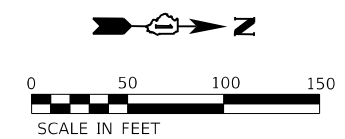
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	474
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

## SCHEDULE OF QUANTITIES - BIOSWALES

LOCATION			TURF REINFORCEMENT MAT (25100900)	FILTER FABRIC (28200200)	SAND BACKFILL (58600100)	PIPE UNDERDRAIN, TYPE 1 6" (60108106)	PIPE UNDERDRAIN, 6" (SPECIAL) (60108200)	TOPSOIL FURNISH AND PLACE, SPECIAL (X2110100)	CA-7 WASHED GRAVEL FOR RAIN GARDEN (K1001970)	BEST MANAGEMENT PRACTICES DITCH CHECK	CLEANOUTS (X5610001)	INSPECTION WELLS (Z0030900)	TEMPORARY DITCH CHECKS (28000305)
FROM STA.	TO STA.	OFFSET	SQ YD	SQ YD	CU YD	FOOT	FOOT	CU YD	CU YD	EACH	EACH	EACH	FOOT
<b>ILLINOIS ROUTE 176 (EAST)</b>													
303+00.00	304+82.43	RT		367.67	40.54			94.59	22.52				380
304+82.43	305+04.13	RT	33.82										
304+89.20		RT								1			
305+04.13	306+91.00	RT		376.62	41.53			96.90	23.07				400
305+77.00		LT										1	
305+77.00	305+81.43	LT					43.30						
305+78.26		LT									1		
305+81.43	305+99.77	LT	42.88				19.10						
305+93.73		LT								1			
305+99.77	306+96.79	LT		386.34	42.76		98.60	71.51	29.65				250
306+91.00	306+96.00	RT	7.97										
306+96.79	307+04.76	LT	18.16				8.05						
307+04.76	307+90.92	LT		343.10	37.97	86.71		63.50	26.33				210
307+90.92		LT									1		
307+07.85	309+53.37	RT		385.98	33.37			97.03	20.23				510
309+53.37	309+74.37	RT	24.13										
309+60.73		RT								1			
310+60.97	310+79.88	LT	30.06										
310+61.35	310+79.88	RT	34.37										
310+73.45		RT									1		
310+73.45		LT									1		
310+79.88	311+96.00	LT		234.03	25.80			60.21	14.34				260
310+79.88	311+96.00	RT		311.44	34.41			68.81	21.50				270
311+96.00	312+04.00	RT	14.50										
311+96.00	312+23.55	LT	43.87										
312+04.00	312+36.18	RT		86.31	9.53			19.07	5.96				100
<b>PLEASANT VALLEY ROAD</b>													
285+00.28	285+61.77	LT					59.82						
285+61.77	286+14.16	LT		70.66	5.82	51.15		19.40	3.23				130
286+14.16	286+33.62	LT	22.50				18.99						
286+20.08		LT								1			
286+33.62	287+56.32	LT		165.49	13.63	119.06		45.44	7.57				260
287+56.32	287+75.81	LT	22.59				19.00						
287+62.75		LT								1			
287+75.81	288+99.60	LT		166.96	13.75	120.16		45.85	7.64				260
288+99.60	289+19.08	LT	20.91				18.97						
289+06.08		LT								1			
289+19.08	290+30.11	LT		149.75	12.34	107.92		41.12	6.85				240
290+30.11	290+49.56	LT	19.75				19.12						
290+37.12		LT								1			
290+64.26	292+24.31	RT		215.87	17.78			59.28	9.88				360
292+24.31	292+42.54	RT	25.93										
292+30.03		RT								1			
292+42.54	293+13.50	RT		95.71	7.88			26.28	4.38				170
293+13.50	293+46.36	RT	45.22										
293+19.69		RT								1			
294+93.33	295+99.41	RT		148.03	16.27			47.70	7.01				240
295+99.41	296+19.38	RT	24.80										
296+06.18		RT								1			

## SCHEDULE OF QUANTITIES - BIOSWALES

LOCATION			TURF REINFORCEMENT MAT (25100900)	FILTER FABRIC (28200200)	SAND BACKFILL (58600100)	PIPE UNDERDRAIN, TYPE 1 6" (60108106)	PIPE UNDERDRAIN, 6" (SPECIAL) (60108200)	TOPSOIL FURNISH AND PLACE, SPECIAL (X2110100)	CA-7 WASHED GRAVEL FOR RAIN GARDEN (K1001970)	BEST MANAGEMENT PRACTICES DITCH CHECK	CLEANOUTS (X5610001)	INSPECTION WELLS (Z0030900)	TEMPORARY DITCH CHECKS (28000305)
FROM STA.	TO STA.	OFFSET	SQ YD	SQ YD	CU YD	FOOT	FOOT	CU YD	CU YD	EACH	EACH	EACH	FOOT
<b>NORTHBOUND RAMP</b>													
800+99.87	801+42.29	LT					36.71						
801+36.96		LT									1		
801+42.29	801+69.06	LT	55.94				24.11						
801+54.82		LT								1			
801+69.06	803+45.49	LT		237.96	19.60	152.77		65.34	10.89				360
803+45.59	803+54.63	LT	18.64				8.06						
803+54.63	804+03.90	LT		66.45	5.47	39.11		18.25	3.04				130
804+00.20		LT									1		
<b>ILLINOIS ROUTE 176 (WEST)</b>													
404+99.54	406+05.55	LT		142.98	15.71			47.12	6.54				240
406+05.55	406+24.55	LT	21.53										
406+12.07		LT								1			
406+24.55	407+80.51	LT		210.35	23.11			69.32	9.63				340
407+80.51	407+99.50	LT	21.57										
407+86.96		LT								1			
410+03.92	410+08.92	RT	10.18										
410+08.92	410+30.01	RT		70.63	7.81			14.06	5.21				80
410+30.01	410+38.01	RT	16.27										
410+38.01	411+45.92	RT		361.36	39.97			71.94	26.64				260
411+45.92	411+53.92	RT	16.16										
411+53.92	412+96.00	RT		475.79	52.62			94.72	35.08				320
412+96.00	413+16.92	RT	42.46										
413+10.49		RT								1			
413+16.92	416+43.17	RT		1092.53	120.83			217.50	80.56				700
416+43.17	416+59.92	RT	37.41										
420+46.00	420+84.00	RT	44.01										
420+77.57		RT								1			
420+84.00	422+96.02	RT		285.96	23.56			78.53	13.09				450
422+96.02	423+17.00	RT	24.07										
423+10.57		RT								1			
423+17.00	424+75.00	RT		213.10	17.56			58.52	9.75				340
<b>TOTAL</b>			1923.08	20629.78	2194.44	2215.69	1768.78	4537.81	1362.85	40.00	20.00	10.00	19070.00



**BIOSWALES LEGEND**

- EXISTING WETLANDS
- PROPOSED BIOSWALES (SEE DETAIL)
- PIPE UNDERDRAIN, TYPE 1 6" OR PIPE UNDERDRAIN 6" (SPL)
- BEST MANAGEMENT PRACTICES DITCH CHECK
- CONCRETE HEADWALLS FOR PIPE DRAINS
- TURF REINFORCEMENT MAT
- PROPOSED DITCH/BIOSWALE BOTTOM
- PROPOSED INSPECTION WELL OR PROPOSED CLEANOUT

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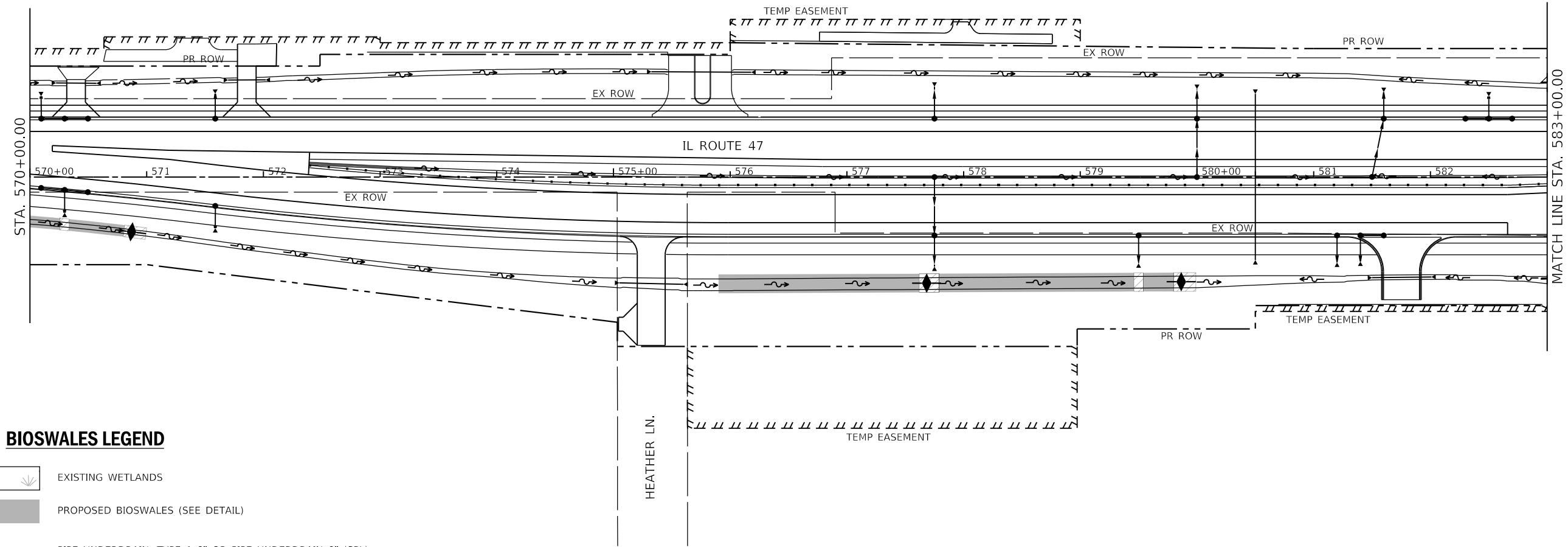
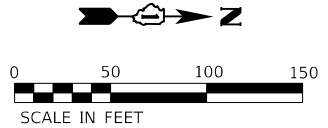


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PLOT SCALE = 100.0000 ' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/19/2023	CHECKED - SJG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 47 BIOSWALES</b>	
SCALE: 1" = 50'	SHEET 1 OF 8 SHEETS
STA. 555+00.00	TO STA. 570+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	477
				CONTRACT NO. 62B43
ILLINOIS FED. AID PROJECT				



**BIOSWALES LEGEND**

- EXISTING WETLANDS
- PROPOSED BIOSWALES (SEE DETAIL)
- PIPE UNDERDRAIN, TYPE 1 6" OR PIPE UNDERDRAIN 6" (SPL)
- BEST MANAGEMENT PRACTICES DITCH CHECK
- CONCRETE HEADWALLS FOR PIPE DRAINS
- TURF REINFORCEMENT MAT
- PROPOSED DITCH/BIOSWALE BOTTOM
- PROPOSED INSPECTION WELL OR PROPOSED CLEANOUT

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 USER: JACKD



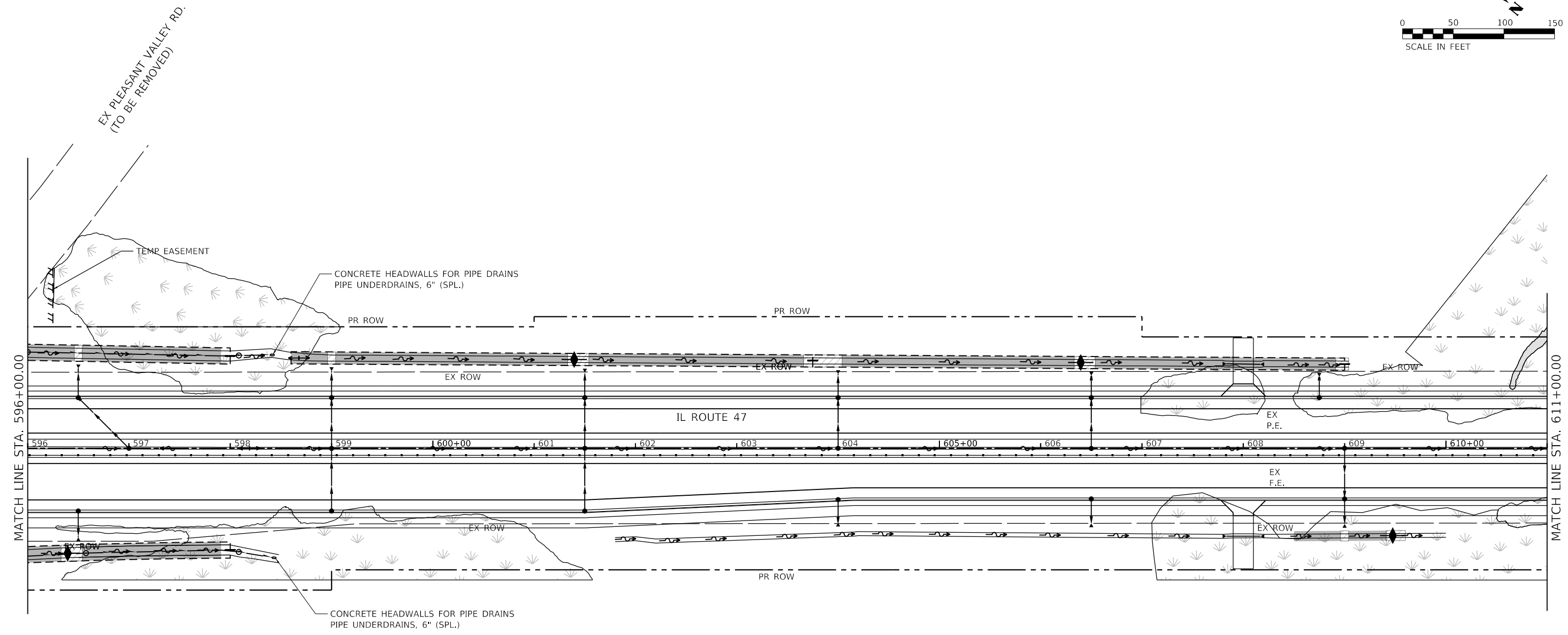
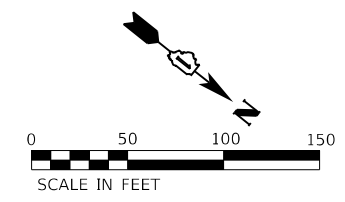
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DRAWN - DJW	REVISIONS -	
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PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 47 BIOSWALES</b>	
SCALE: 1" = 50'	SHEET 2 OF 8 SHEETS
STA. 570+00.00 TO STA. 583+00.00	

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 478
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				





**BIOSWALES LEGEND**

- EXISTING WETLANDS
- PROPOSED BIOSWALES (SEE DETAIL)
- PIPE UNDERDRAIN, TYPE 1 6" OR PIPE UNDERDRAIN 6" (SPL.)
- BEST MANAGEMENT PRACTICES DITCH CHECK
- CONCRETE HEADWALLS FOR PIPE DRAINS
- TURF REINFORCEMENT MAT
- PROPOSED DITCH/BIOSWALE BOTTOM
- PROPOSED INSPECTION WELL OR PROPOSED CLEANOUT

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USER NAME = JackD	DESIGNED - MAG	REVISED -
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PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

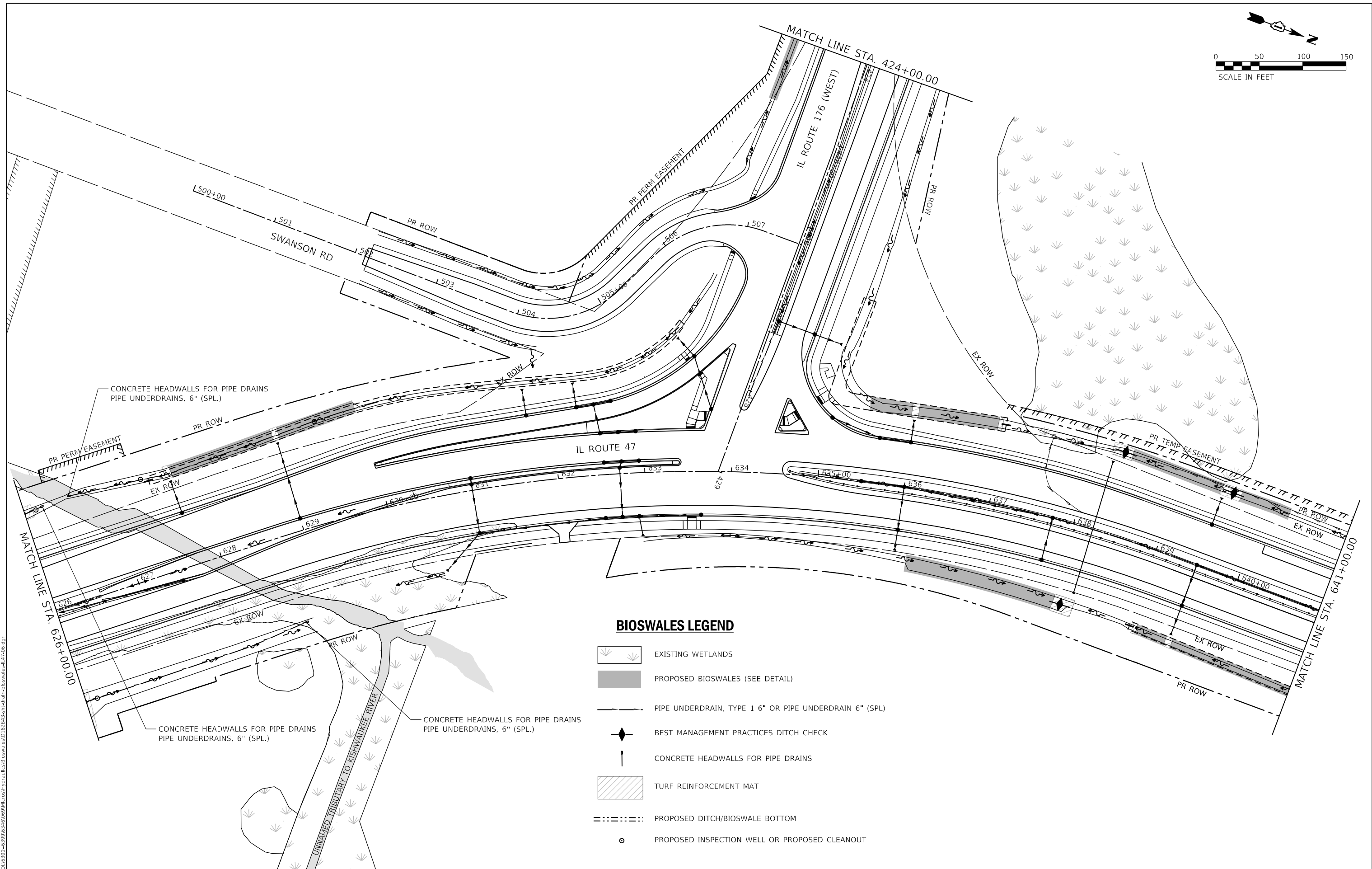
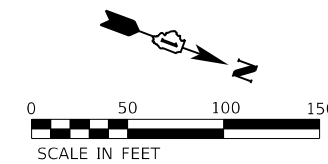
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL ROUTE 47 BIOSWALES</b>	
SCALE: 1" = 50'	SHEET 4 OF 8 SHEETS
STA. 596+00.00 TO STA. 611+00.00	









F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	480
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				







**BIOSWALES LEGEND**

-  EXISTING WETLANDS
-  PROPOSED BIOSWALES (SEE DETAIL)
-  PIPE UNDERDRAIN, TYPE 1 6" OR PIPE UNDERDRAIN 6" (SPL)
-  BEST MANAGEMENT PRACTICES DITCH CHECK
-  CONCRETE HEADWALLS FOR PIPE DRAINS
-  TURF REINFORCEMENT MAT
-  PROPOSED DITCH/BIOSWALE BOTTOM
-  PROPOSED INSPECTION WELL OR PROPOSED CLEANOUT

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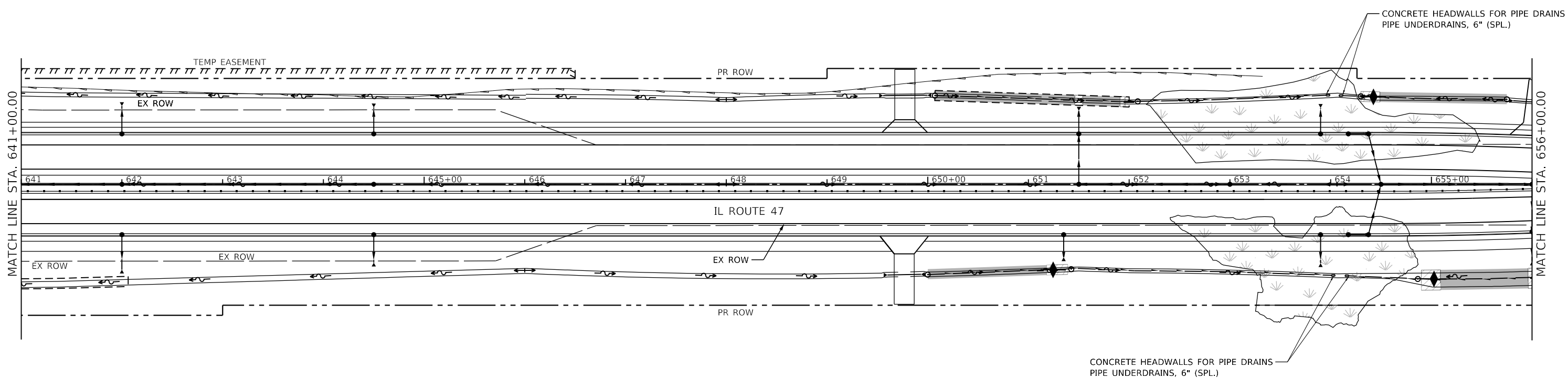
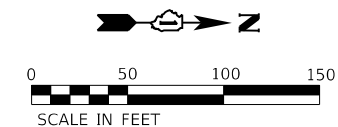

**STRAND ASSOCIATES**  
 1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200

USER NAME = jackd	DESIGNED - MAG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/19/2023	CHECKED - SJG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47**  
**BIOSWALES**  
 SCALE: 1" = 50'  
 SHEET 6 OF 8 SHEETS  
 STA. 626+00.00 TO STA. 641+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	482
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



### BIOSWALES LEGEND

- EXISTING WETLANDS
- PROPOSED BIOSWALES (SEE DETAIL)
- PIPE UNDERDRAIN, TYPE 1 6" OR PIPE UNDERDRAIN 6" (SPL)
- BEST MANAGEMENT PRACTICES DITCH CHECK
- CONCRETE HEADWALLS FOR PIPE DRAINS
- TURF REINFORCEMENT MAT
- PROPOSED DITCH/BIOSWALE BOTTOM
- PROPOSED INSPECTION WELL OR PROPOSED CLEANOUT

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1170 SOUTH HOUBOLT ROAD  
JOLIET, ILLINOIS 60431  
(815) 744-4200

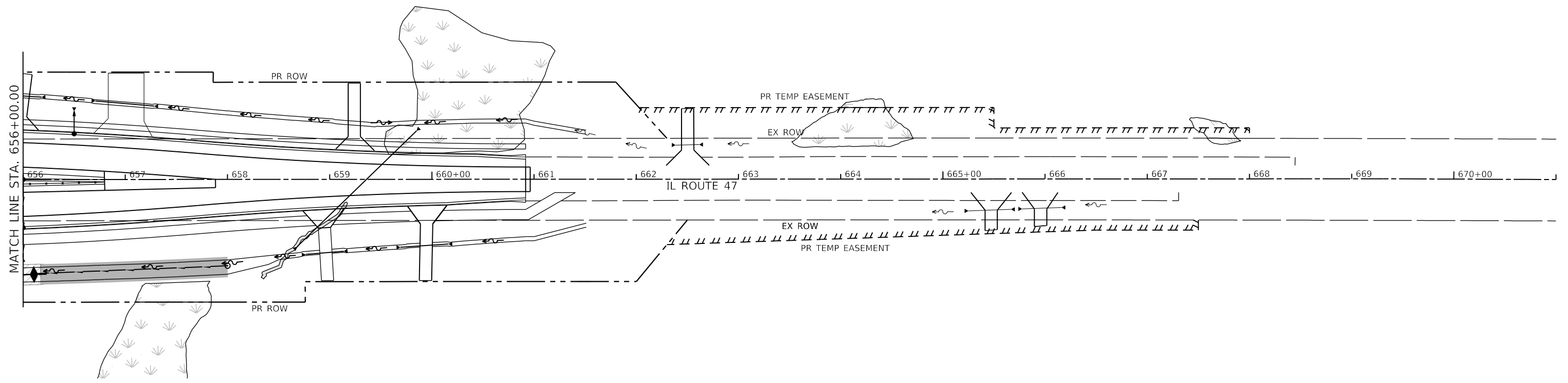
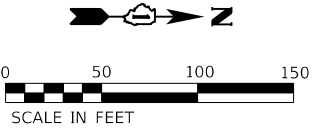
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PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47  
BIOSWALES**

SCALE: 1" = 50'    SHEET 7 OF 8 SHEETS    STA. 641+00.00 TO STA. 656+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 483
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**BIOSWALES LEGEND**

- EXISTING WETLANDS
- PROPOSED BIOSWALES (SEE DETAIL)
- PIPE UNDERDRAIN, TYPE 1 6" OR PIPE UNDERDRAIN 6" (SPL)
- BEST MANAGEMENT PRACTICES DITCH CHECK
- CONCRETE HEADWALLS FOR PIPE DRAINS
- TURF REINFORCEMENT MAT
- PROPOSED DITCH/BIOSWALE BOTTOM
- PROPOSED INSPECTION WELL OR PROPOSED CLEANOUT

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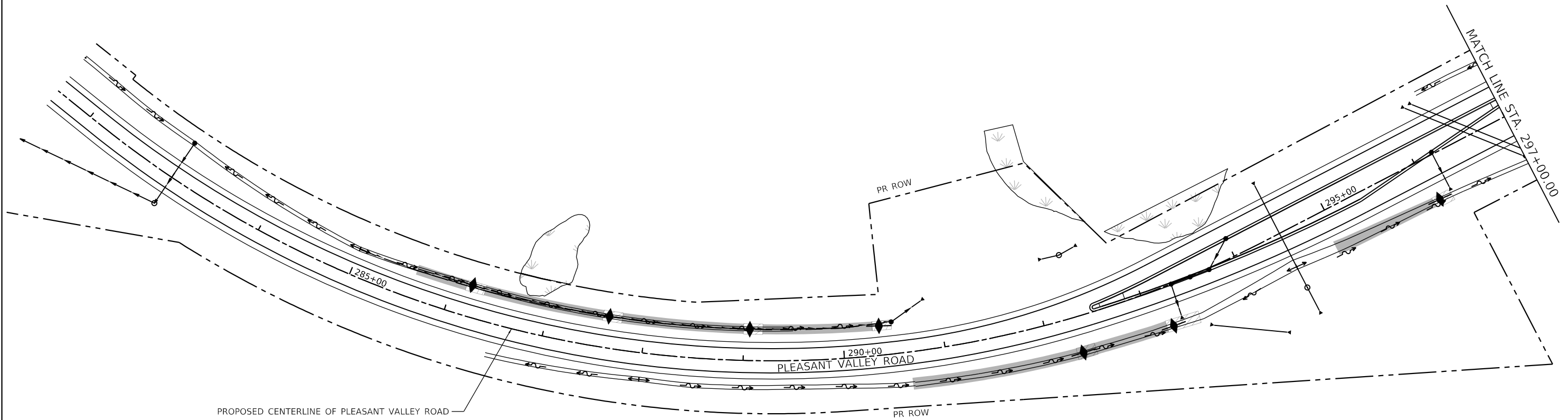
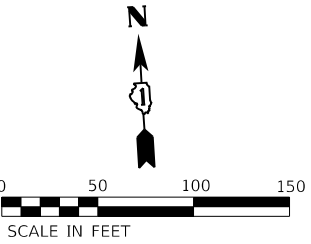
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DRAWN - DJW	REVISIONS -	
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PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**









**IL ROUTE 47  
BIOSWALES**

SCALE: 1" = 50'    SHEET 8 OF 8 SHEETS    STA. 656+00.00 TO STA. 671+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 484
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**BIOSWALES LEGEND**

-  EXISTING WETLANDS
-  PROPOSED BIOSWALES (SEE DETAIL)
-  PIPE UNDERDRAIN, TYPE 1 6" OR PIPE UNDERDRAIN 6" (SPL)
-  BEST MANAGEMENT PRACTICES DITCH CHECK
-  CONCRETE HEADWALLS FOR PIPE DRAINS
-  TURF REINFORCEMENT MAT
-  PROPOSED DITCH/BIOSWALE BOTTOM
-  PROPOSED INSPECTION WELL OR PROPOSED CLEANOUT

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1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200

USER NAME = JackD	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
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PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

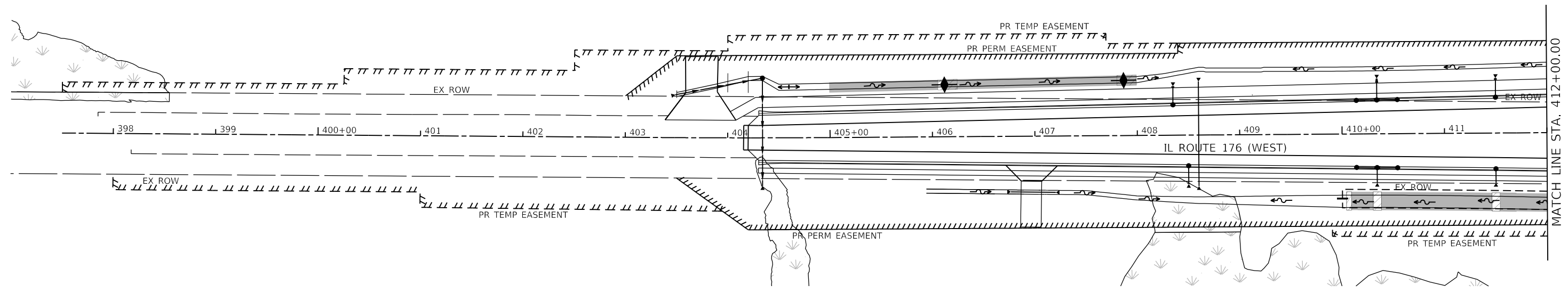
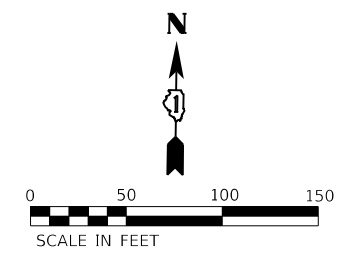
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLEASANT VALLEY ROAD**  
**BIOSWALES**








SCALE: 1" = 50'     SHEET 1 OF 1 SHEETS     STA. 282+00.00 TO STA. 297+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	485
				CONTRACT NO. 62B43
				ILLINOIS FED. AID PROJECT





**BIOSWALES LEGEND**

-  EXISTING WETLANDS
-  PROPOSED BIOSWALES (SEE DETAIL)
-  PIPE UNDERDRAIN, TYPE 1 6" OR PIPE UNDERDRAIN 6" (SPL)
-  BEST MANAGEMENT PRACTICES DITCH CHECK
-  CONCRETE HEADWALLS FOR PIPE DRAINS
-  TURF REINFORCEMENT MAT
-  PROPOSED DITCH/BIOSWALE BOTTOM
-  PROPOSED INSPECTION WELL OR PROPOSED CLEANOUT

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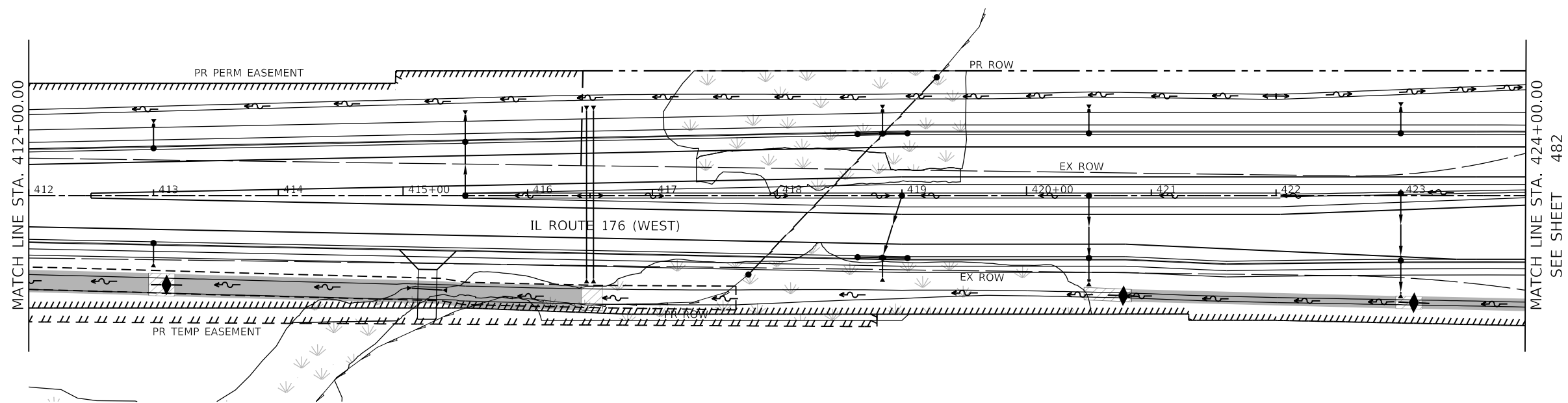
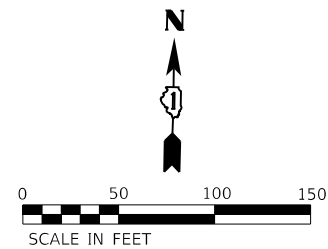
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PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (WEST)  
BIOSWALES**

SCALE: 1" = 50'    SHEET 1 OF 2 SHEETS    STA. 400+00.00 TO STA. 412+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	487
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



**BIOSWALES LEGEND**

- EXISTING WETLANDS
- PROPOSED BIOSWALES (SEE DETAIL)
- PIPE UNDERDRAIN, TYPE 1 6" OR PIPE UNDERDRAIN 6" (SPL)
- BEST MANAGEMENT PRACTICES DITCH CHECK
- CONCRETE HEADWALLS FOR PIPE DRAINS
- TURF REINFORCEMENT MAT
- PROPOSED DITCH/BIOSWALE BOTTOM
- PROPOSED INSPECTION WELL OR PROPOSED CLEANOUT

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USER NAME = JackD	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
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PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

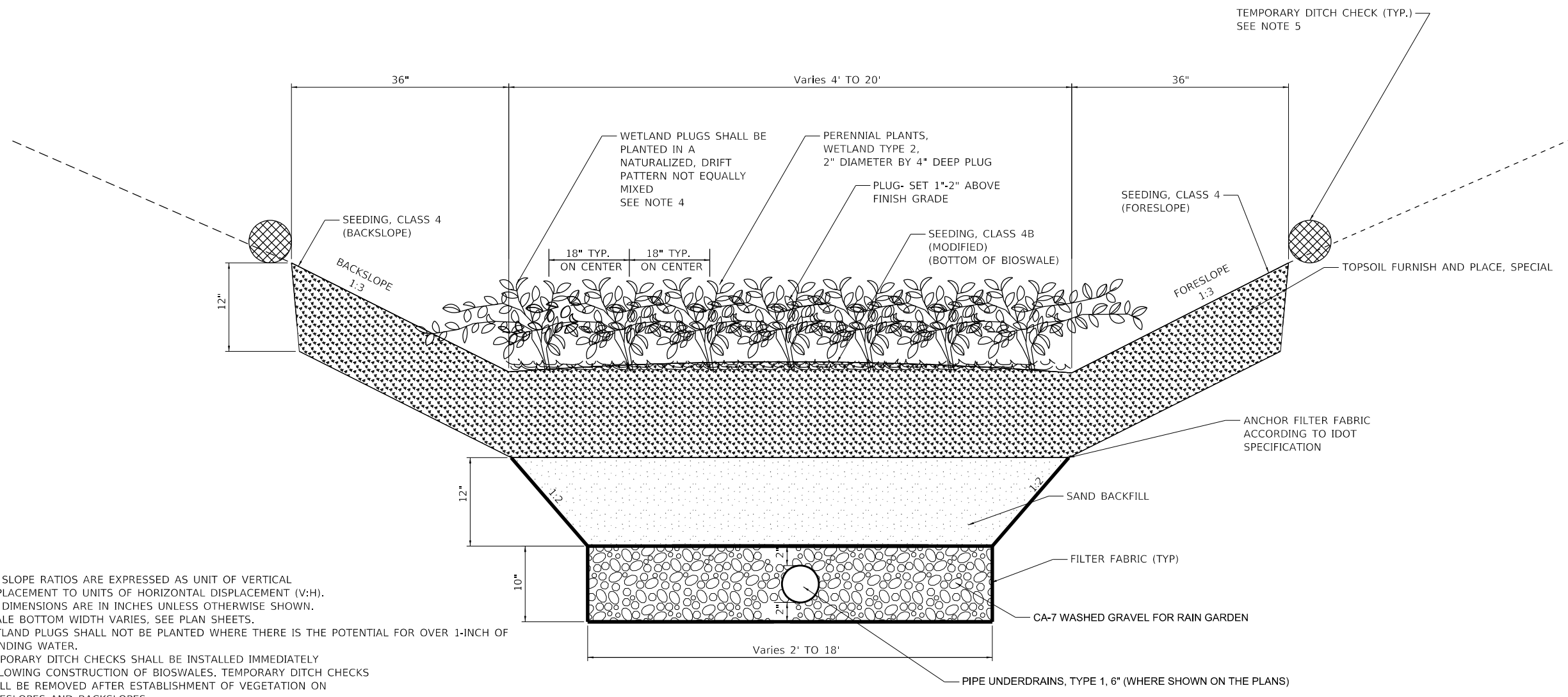
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (WEST)**  
**BIOSWALES**

SCALE: 1" = 50'    SHEET 2 OF 2 SHEETS    STA. 412+00.00 TO STA. 424+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	488
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	





NOTES:

1. ALL SLOPE RATIOS ARE EXPRESSED AS UNIT OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).
2. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.
3. SWALE BOTTOM WIDTH VARIES, SEE PLAN SHEETS.
4. WETLAND PLUGS SHALL NOT BE PLANTED WHERE THERE IS THE POTENTIAL FOR OVER 1-INCH OF STANDING WATER.
5. TEMPORARY DITCH CHECKS SHALL BE INSTALLED IMMEDIATELY FOLLOWING CONSTRUCTION OF BIOSWALES. TEMPORARY DITCH CHECKS SHALL BE REMOVED AFTER ESTABLISHMENT OF VEGETATION ON FORESLOPES AND BACKSLOPES.

**BIOSWALE TYPICAL SECTION**

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DATE: 12/19/2023

1170 SOUTH HOUBOLT ROAD  
JOLIET, ILLINOIS 60431  
(815) 744-4200

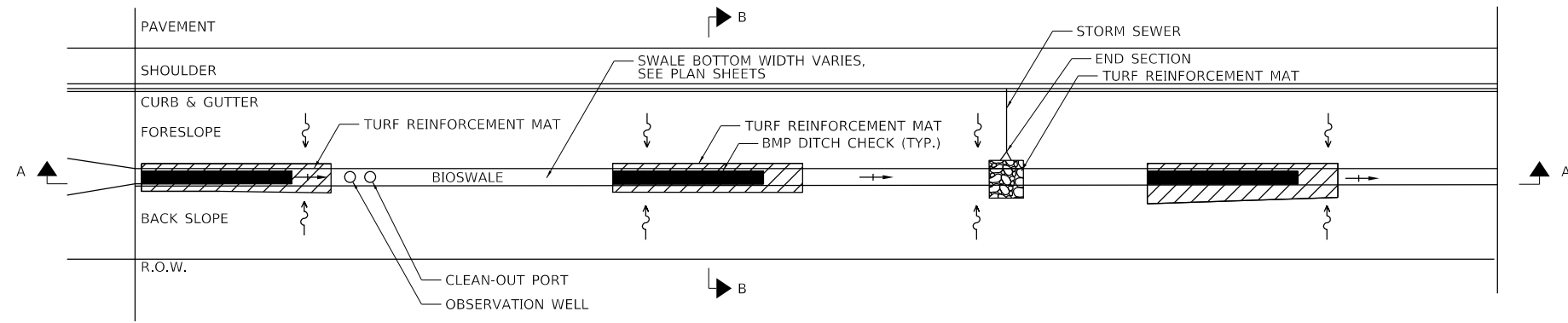
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	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

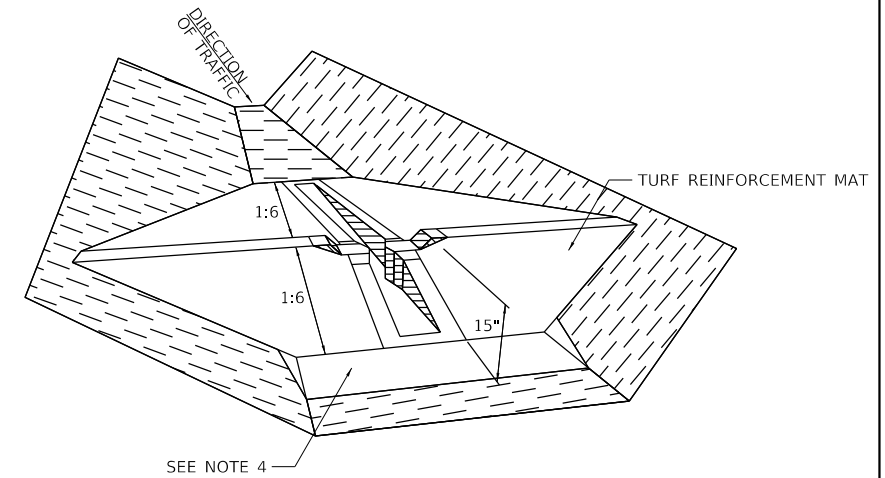
**TYPICAL BIOSWALE CROSS SECTION**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	489
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

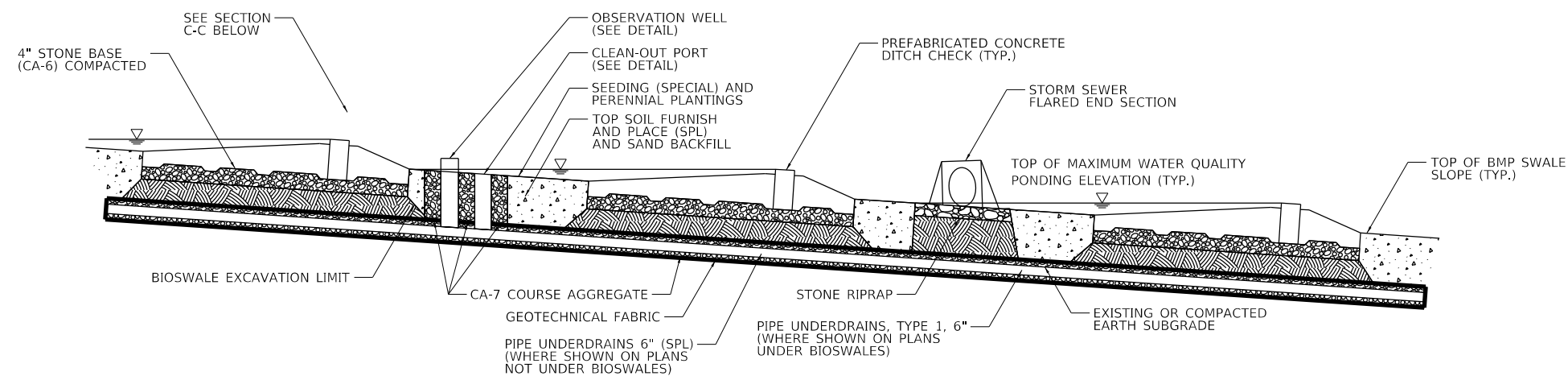


**BEST MANAGEMENT PRACTICES DITCH CHECK**



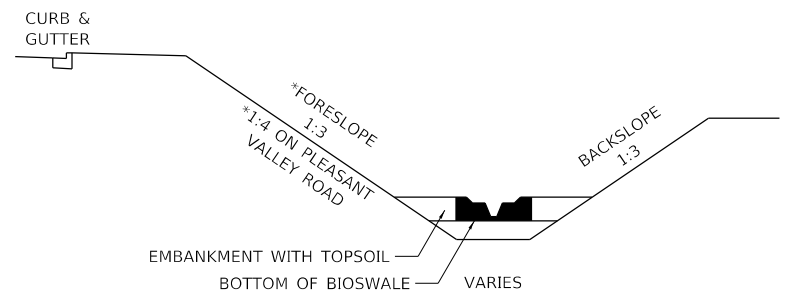
**BEST MANAGEMENT PRACTICES DITCH CHECK**

PERSPECTIVE VIEW: NOT TO SCALE



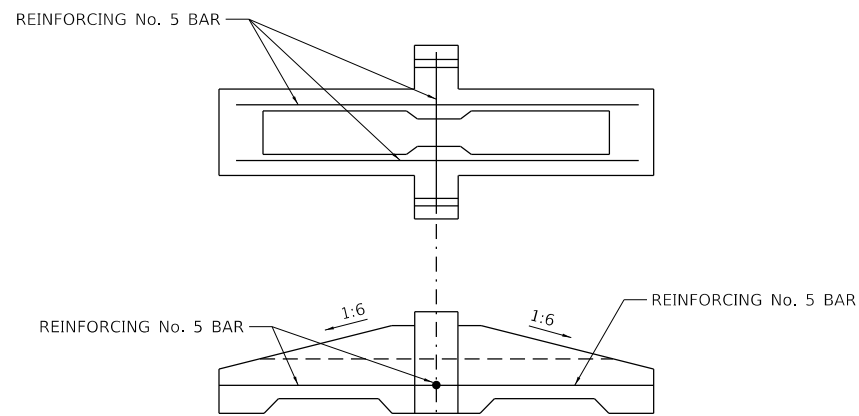
**SECTION A-A**

PROFILE VIEW: NOT TO SCALE



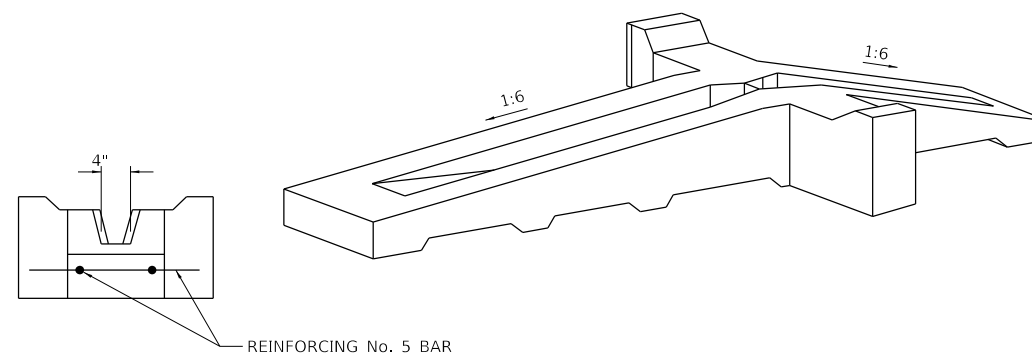
**SECTION B-B**

NOT TO SCALE



**SECTION C-C**

NOT TO SCALE



- NOTE:
1. ALL SLOPE RATIOS ARE EXPRESSED AS UNIT OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).
  2. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.
  3. 1:6 SLOPE SHALL ALWAYS FACE TRAFFIC. REVERSE DESIGN ACCORDINGLY.
  4. TURF REINFORCEMENT MAT SHALL BE PLACED OVER ALL EARTHEN PORTIONS OF BMP DITCH CHECK AND EXTEND 6 FEET DOWNSTREAM FROM THE END OF THE CONCRETE STRUCTURE. TRM SHALL BE PLACED ON FORE SLOPES AND BACK SLOPES 1 VERTICAL FOOT ABOVE THE TOP OF THE BMP DITCH CHECK.

MODEL: D:\dgn\... STRAND ASSOCIATES

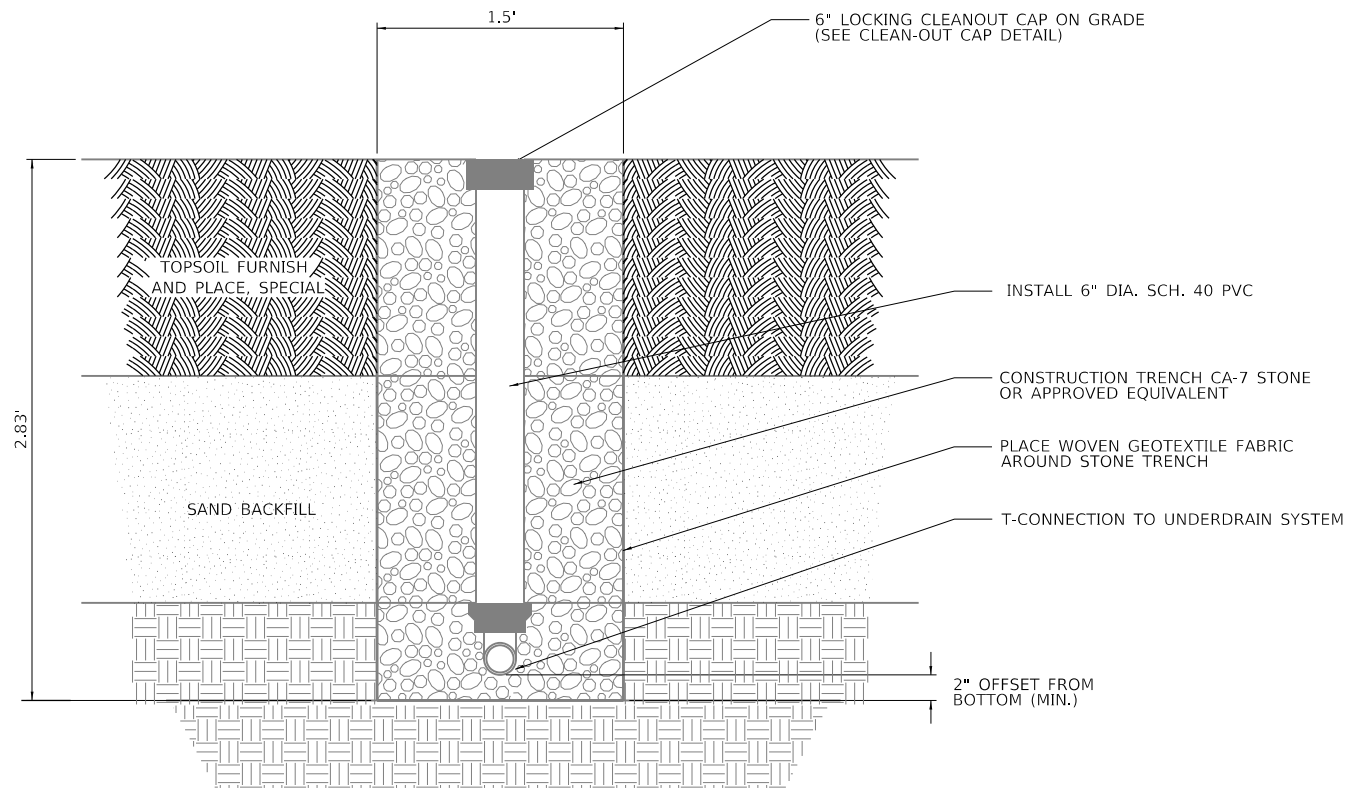
**STRAND ASSOCIATES\***  
1170 SOUTH HOUBOLT ROAD  
JOLIET, ILLINOIS 60431  
(815) 744-4200

USER NAME = JackD	DESIGNED - MAG	REVISD -
PLOT SCALE = 100.0000' / in.	DRAWN - DJW	REVISD -
PLOT DATE = 12/19/2023	CHECKED - SJG	REVISD -
	DATE - 12/15/2023	REVISD -

STATE OF ILLINOIS	BEST MANAGEMENT PRACTICES DITCH CHECK DETAIL	
DEPARTMENT OF TRANSPORTATION	SCALE: NTS	SHEET 1 OF 1 SHEETS
	STA.	TO STA.

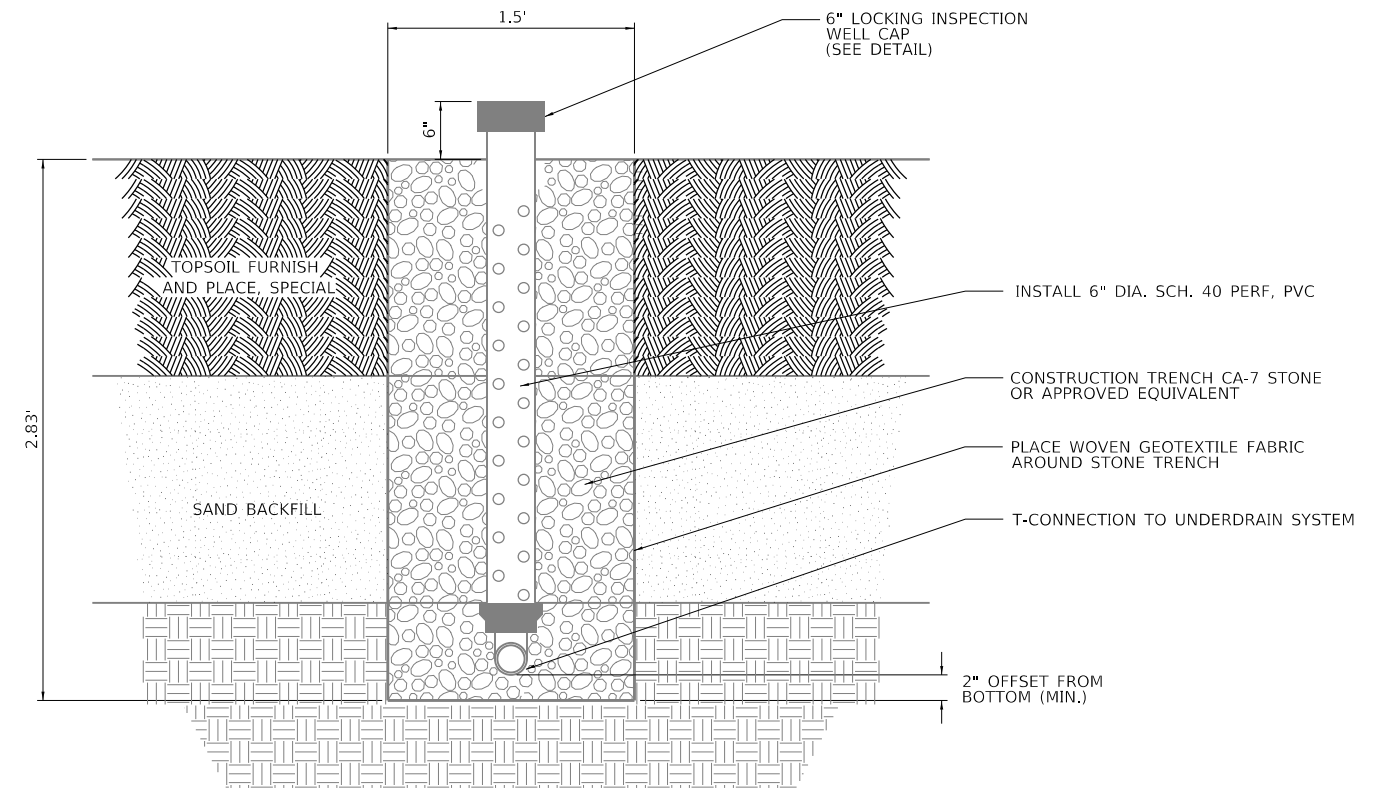
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	490
CONTRACT NO. 62B43				

ILLINOIS FED. AID PROJECT				
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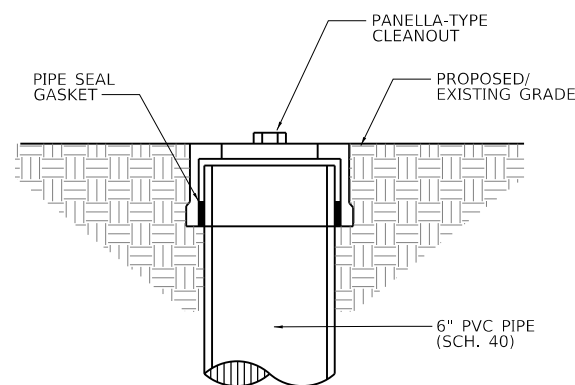
**CLEAN-OUT PORT DETAIL**

- NOTES:  
 1) CLEAN-OUT PORT SHALL BE INSTALLED PER 300 LF OF BIOSWALE AND SHOWN ON DRAWINGS.  
 2) PIPES/FITTINGS SHALL BE SCHEDULE 40 PVC OR HIGHER QUALITY, 6" DIAMETER MINIMUM.

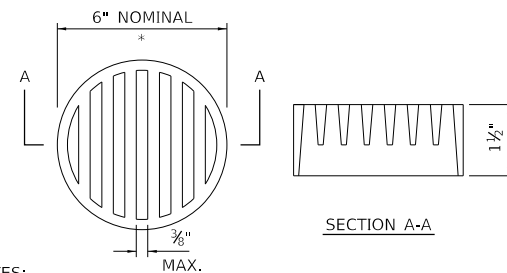


**INSPECTION WELL DETAIL**

- NOTES:  
 1) INSPECTION WELLS SHALL BE INSTALLED IN LOCATIONS SHOWN ON PLANS.  
 2) PERFORATIONS SHALL BE 3/8" CIRCULAR HOLES, 4" ON CENTER, 90° AROUND PIPE.  
 3) INSPECTION WELL FOR BIOSWALE FACILITIES SHALL EXTEND 6" ABOVE GRADE AND CONTAIN AN OVERFLOW GRATE.  
 4) PIPES/FITTINGS SHALL BE SCHEDULE 40 PVC OR HIGHER QUALITY, 6" DIAMETER MINIMUM.



**CLEAN-OUT PORT**



- NOTES:  
 \* DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.  
 THE CAP, PIPE COUPLING AND SCREWS SHALL BE INCLUDED IN THE COST OF OBSERVATION WELL.  
 THE CAP SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS CAP TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE CAP SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 x 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

**INSPECTION WELL CAP DETAIL**

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USER NAME = JackD	DESIGNED - MAG	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - DJW	REVISED -
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	DATE - 12/15/2023	REVISED -


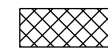
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

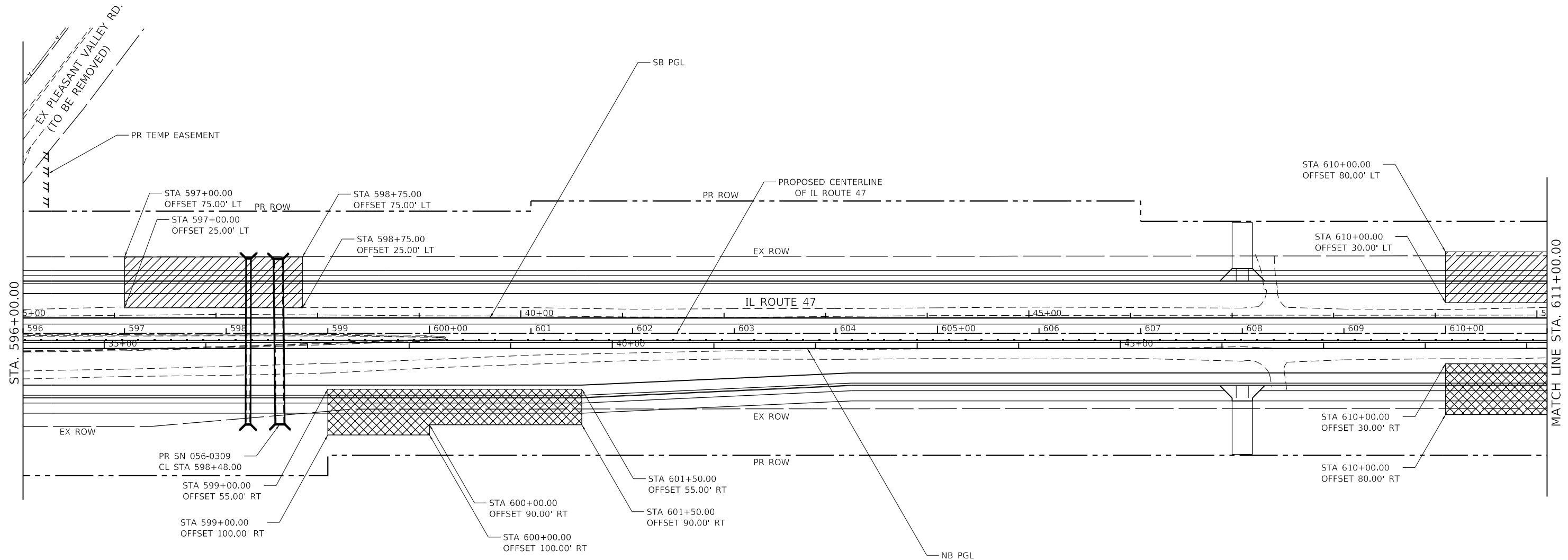
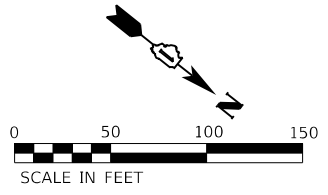
**CLEAN-OUT AND INSPECTION WELL**

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	491
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

**AGGREGATE COLUMN GROUND IMPROVEMENT LEGEND**

-  PR AGGREGATE COLUMN GROUND IMPROVEMENT - PRESTAGE AREAS
-  PR AGGREGATE COLUMN GROUND IMPROVEMENT - STAGE 1 AREAS



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1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200

USER NAME = JackD	DESIGNED - MAG	REVISED -
DRAWN - DJW	REVISED -	
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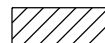

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

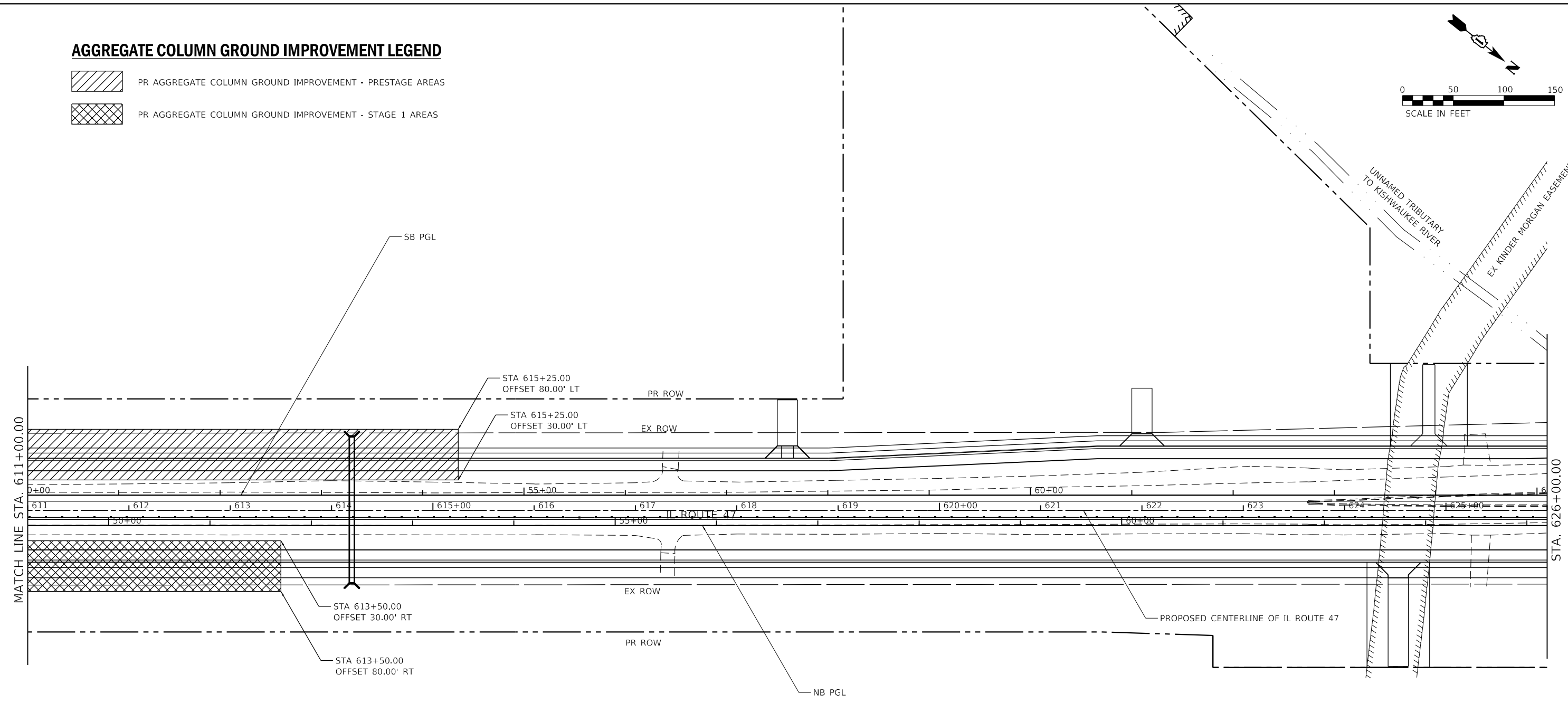
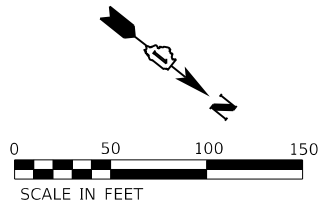
**IL ROUTE 47**  
**AGGREGATE COLUMN GROUND IMPROVEMENT PLAN**

SCALE: 1" = 50'    SHEET 1 OF 2 SHEETS    STA. 596+00.00 TO STA. 611+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	492
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	

**AGGREGATE COLUMN GROUND IMPROVEMENT LEGEND**

-  PR AGGREGATE COLUMN GROUND IMPROVEMENT - PRESTAGE AREAS
-  PR AGGREGATE COLUMN GROUND IMPROVEMENT - STAGE 1 AREAS



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

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

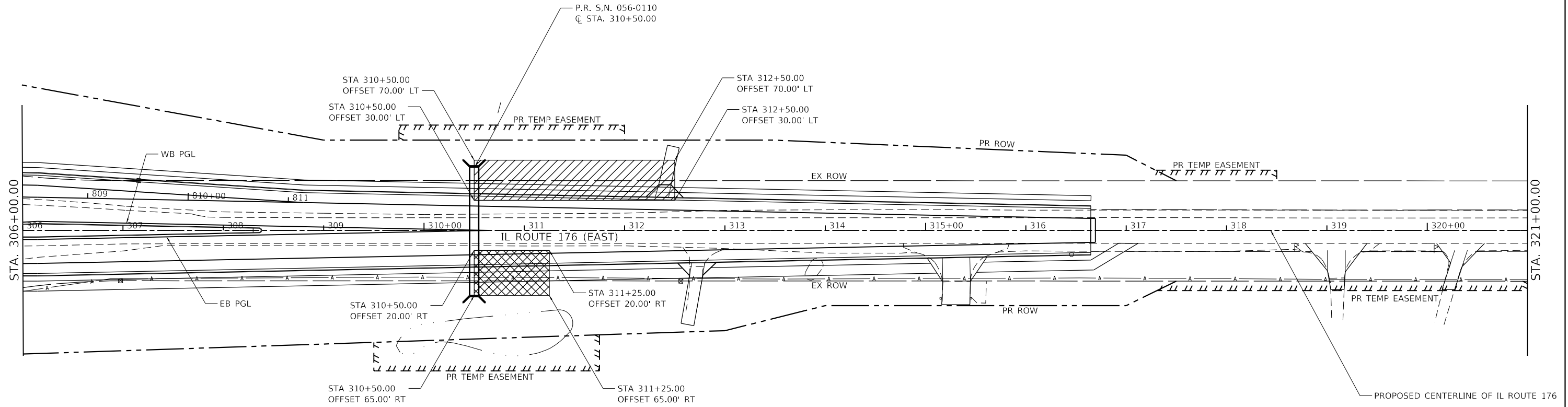
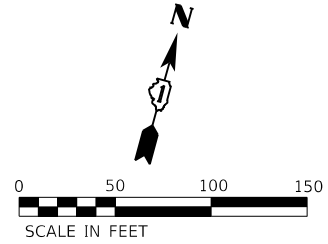
**IL ROUTE 47  
 AGGREGATE COLUMN GROUND IMPROVEMENT PLAN**

SCALE: 1" = 50'      SHEET 2 OF 2 SHEETS      STA. 611+00.00 TO STA. 626+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	493
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

**AGGREGATE COLUMN GROUND IMPROVEMENT LEGEND**

-  PR AGGREGATE COLUMN GROUND IMPROVEMENT - PRESTAGE AREAS
-  PR AGGREGATE COLUMN GROUND IMPROVEMENT - STAGE 1 AREAS



1170 SOUTH HOUBOLT ROAD  
 JOLIET, ILLINOIS 60431  
 (815) 744-4200

USER NAME = JackD	DESIGNED - MAG	REVISED -
DRAWN - DJW	REVISIONS -	
PLOT SCALE = 100.0000' / in.	CHECKED - SJG	REVISED -
PLOT DATE = 12/19/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (EAST)  
 AGGREGATE COLUMN GROUND IMPROVEMENT PLAN**

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. 306+00.00 TO STA. 321+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	494
				CONTRACT NO. 62B43
ILLINOIS FED. AID PROJECT				

# TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	 	 	RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM	S	SP	FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM	I	IP	GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM		R			
SIGNAL HEAD			RELOCATE ITEM		RL			
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM		A			
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF			
FLASHER INSTALLATION -(FS) SOLAR POWERED	 	 	MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF			
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF			
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

TS SHT NO. 1

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	DRAWN - IP	REVISED -
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PLOT DATE = 3/4/2019	DATE - 9/29/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

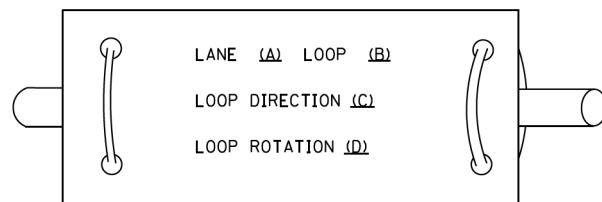
SCALE: NONE SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	495
TS-05		CONTRACT NO. 62B43		
ILLINOIS FED. AID PROJECT				

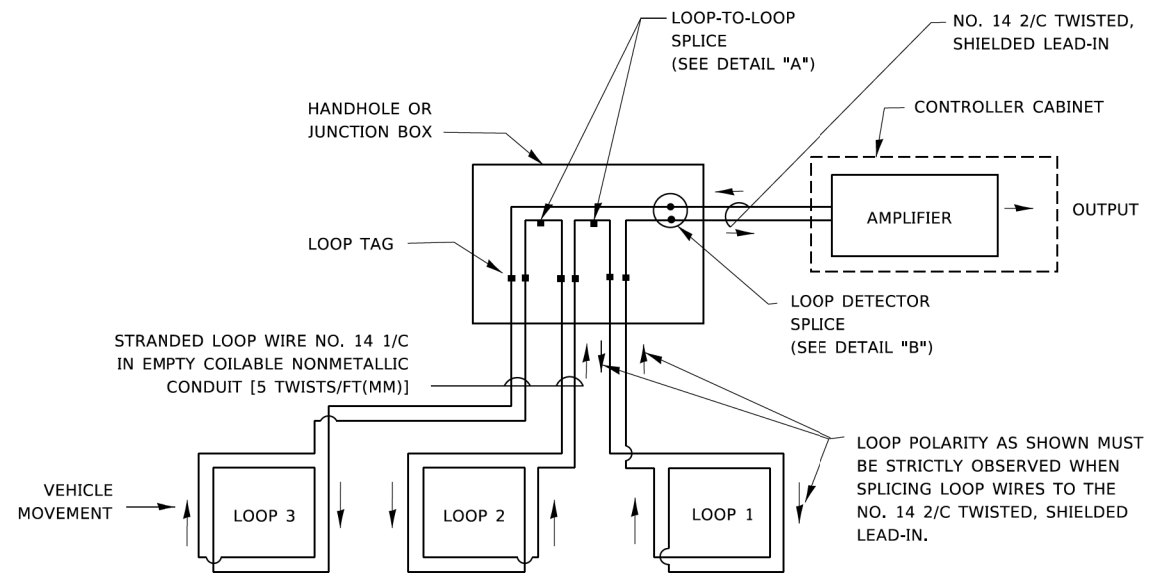
**LOOP DETECTOR NOTES**

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 DIVESHOLES 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.

**LOOP LEAD-IN CABLE TAG**

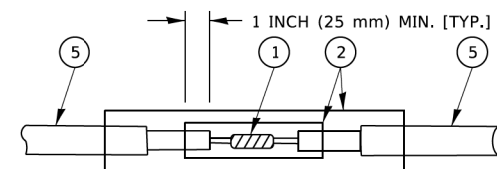


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

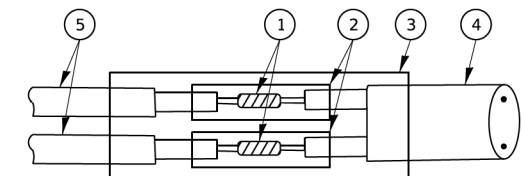


**DETECTOR LOOP WIRING SCHEMATIC**

- 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.

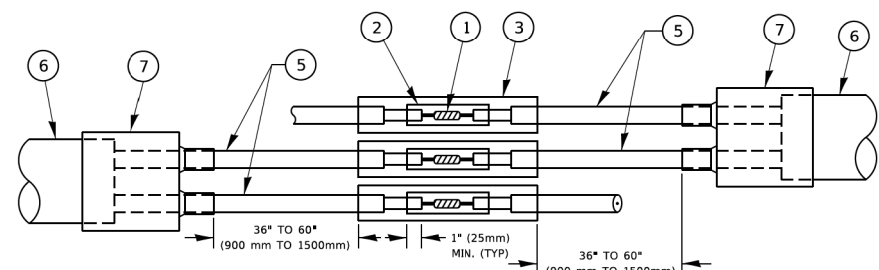


DETAIL "A"  
LOOP-TO-LOOP SPLICE

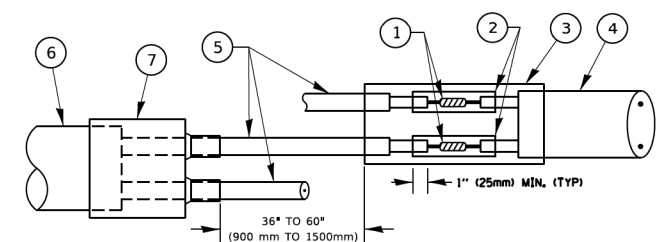


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PREFORMED LOOP**

**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 LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PREFORMED LOOP
- 6 XL POLYOLEFIN 2 CONDUCTOR
- 7 BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

TS SHT NO. 2

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

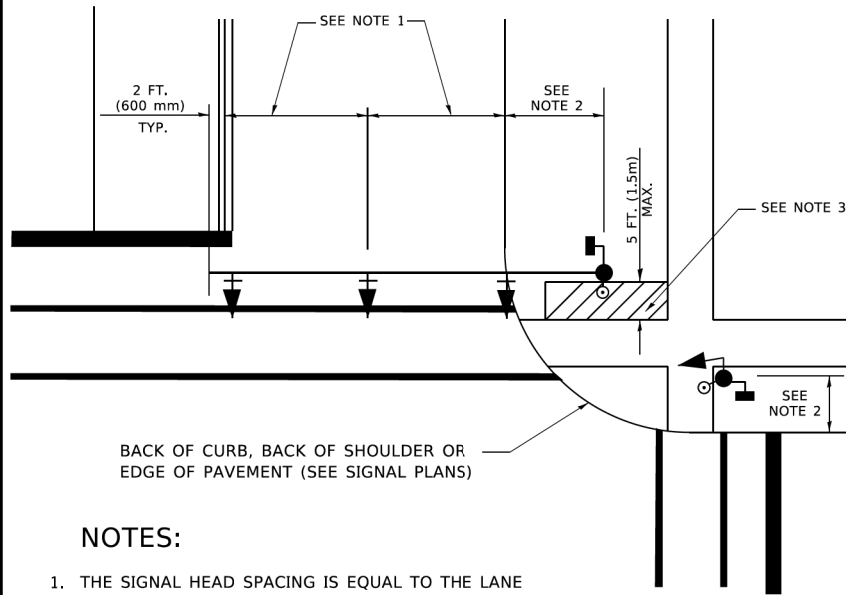
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F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 496
TS-05		CONTRACT NO. 62B43		
ILLINOIS		FED. AID PROJECT		



**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**

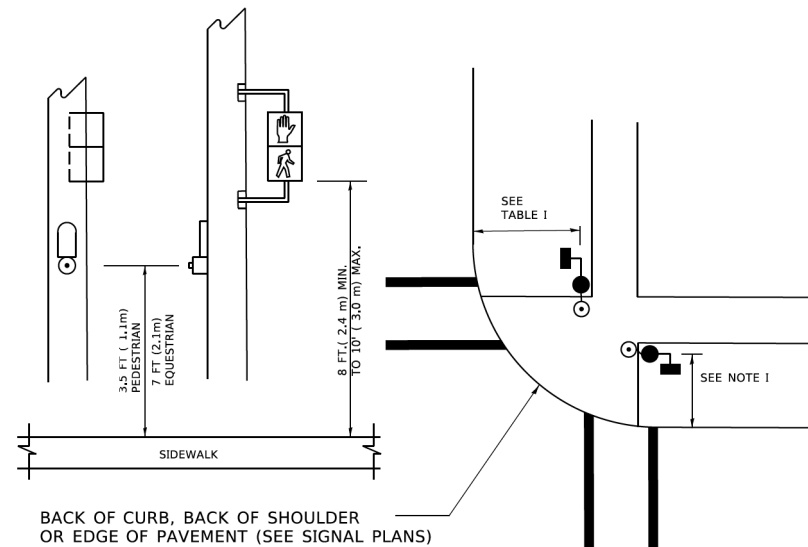
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



**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."

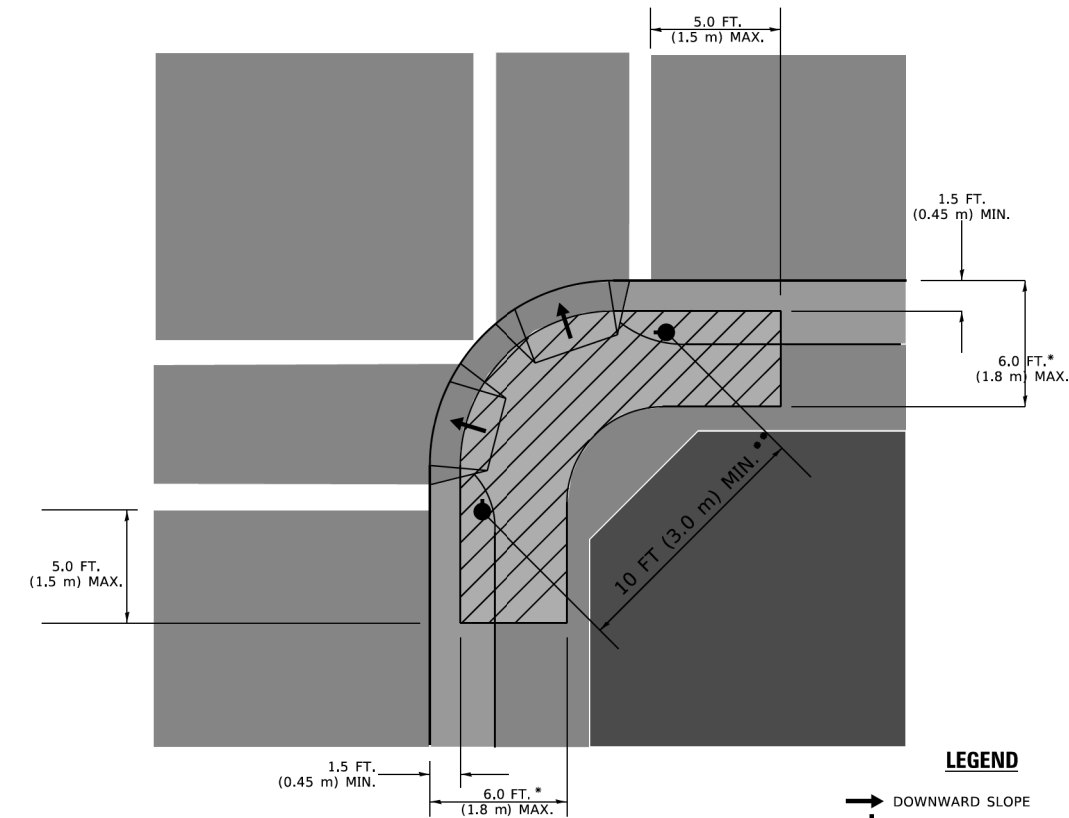
**PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST**



**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**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ 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 (0.5m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.3m), 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 (1.3m), 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 TO THE 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.

TS SHT NO. 3

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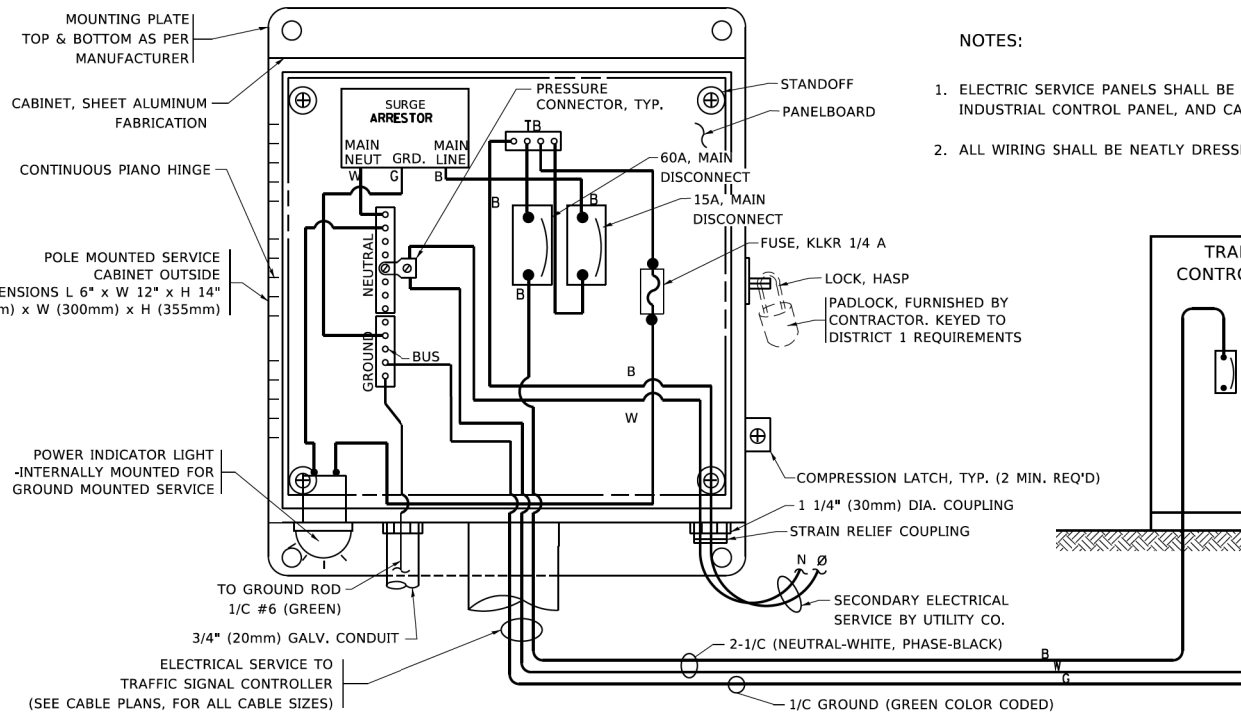
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

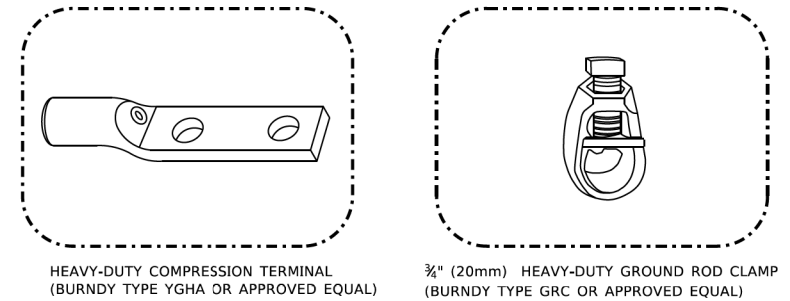
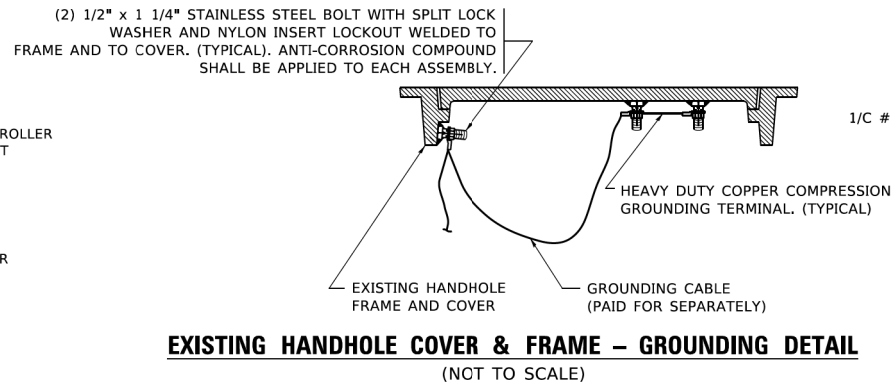
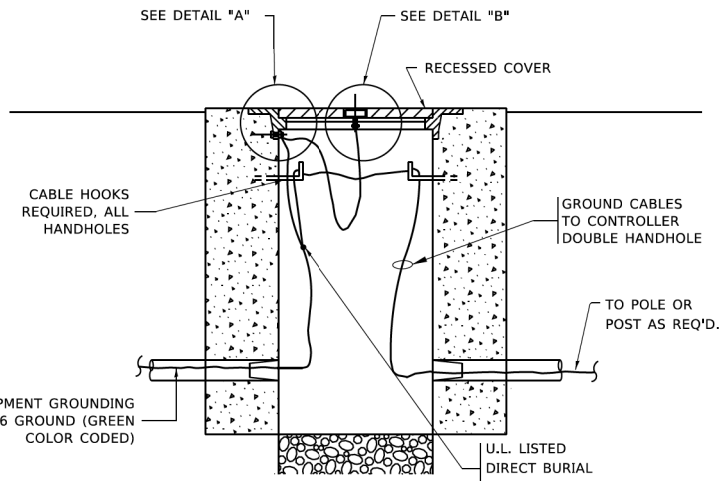
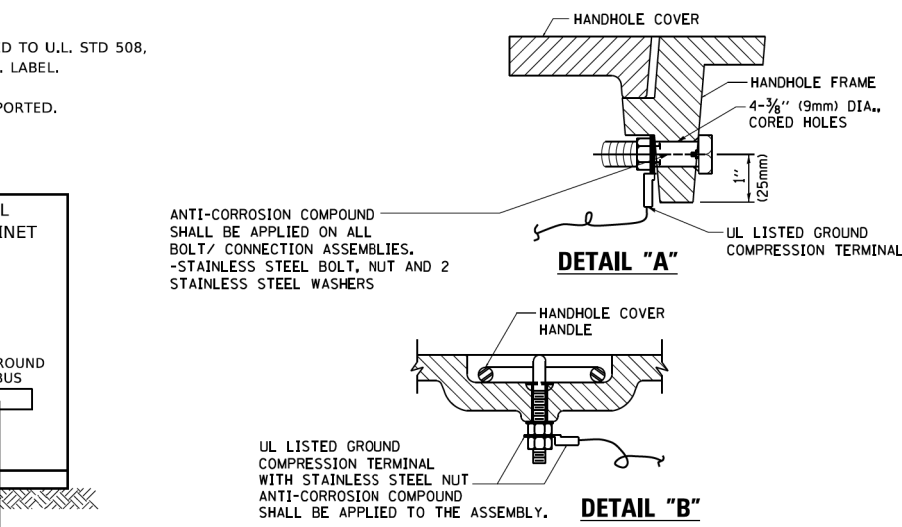
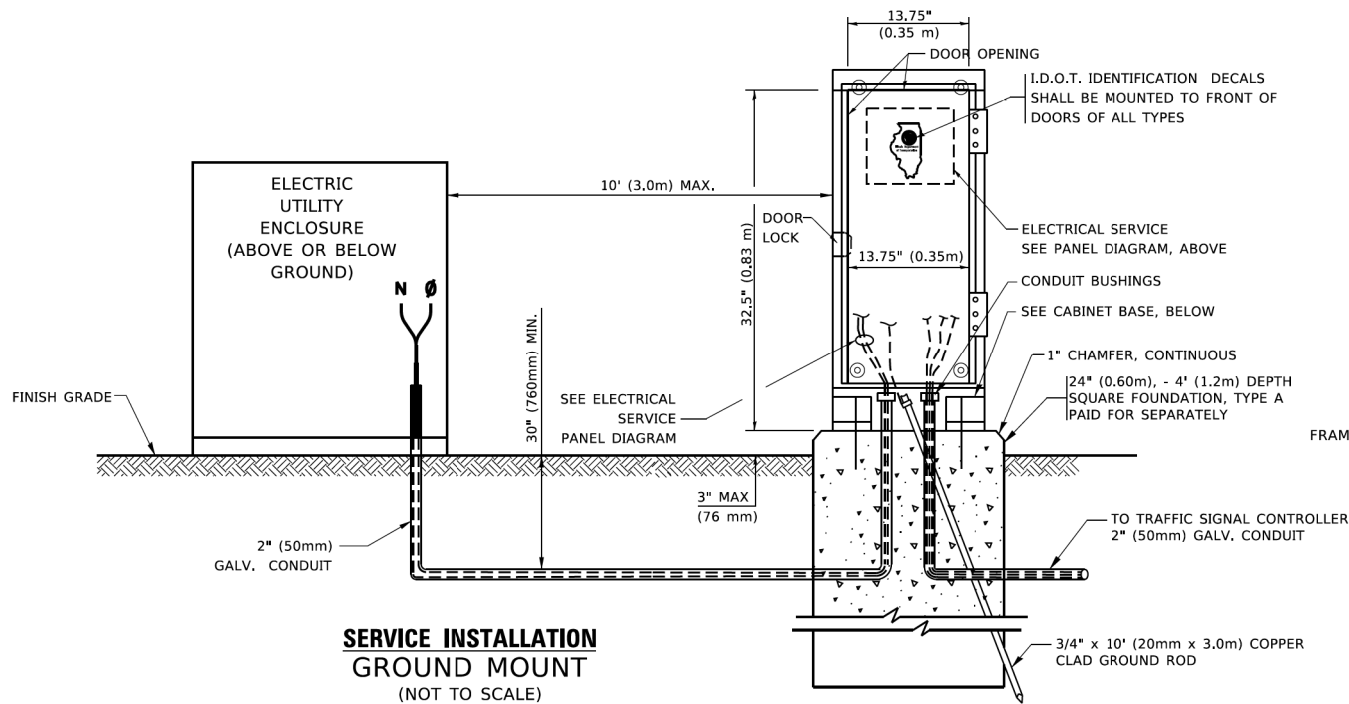
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STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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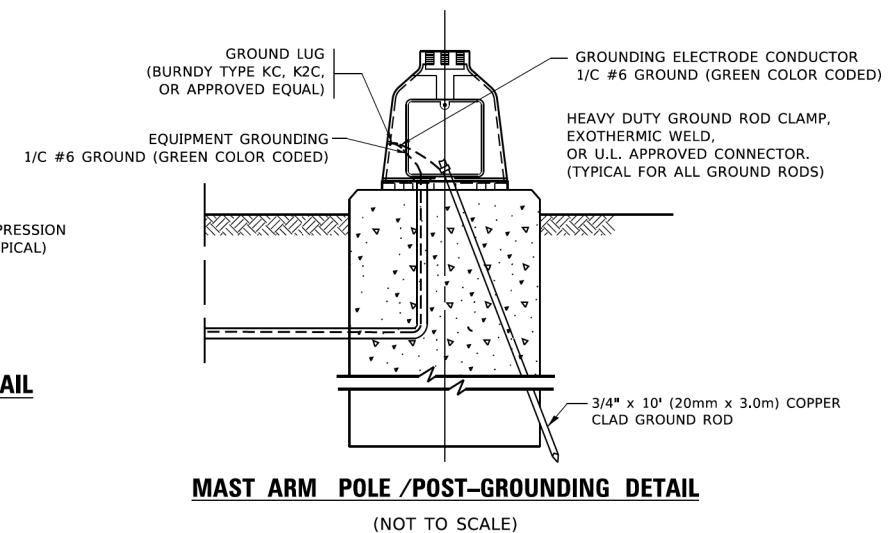
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326	105-N-2(15)	MCHENRY	803	497
<b>TS-05</b>		CONTRACT NO. 62B43		
ILLINOIS   FED. AID PROJECT				



**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)**  
**SERVICE INSTALLATION POLE MOUNT (SHOWN)**  
 (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.

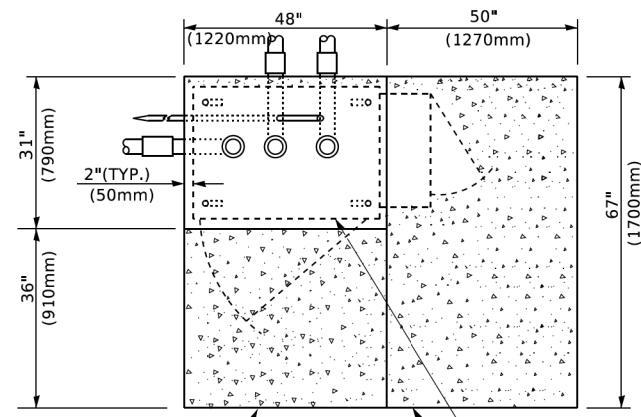


**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

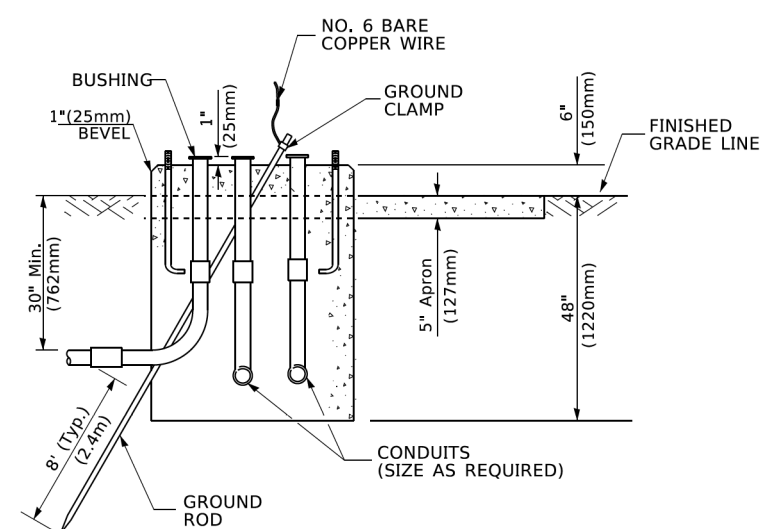
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<b>TS-05</b>			CONTRACT NO. 62B43	
ILLINOIS / FED. AID PROJECT				

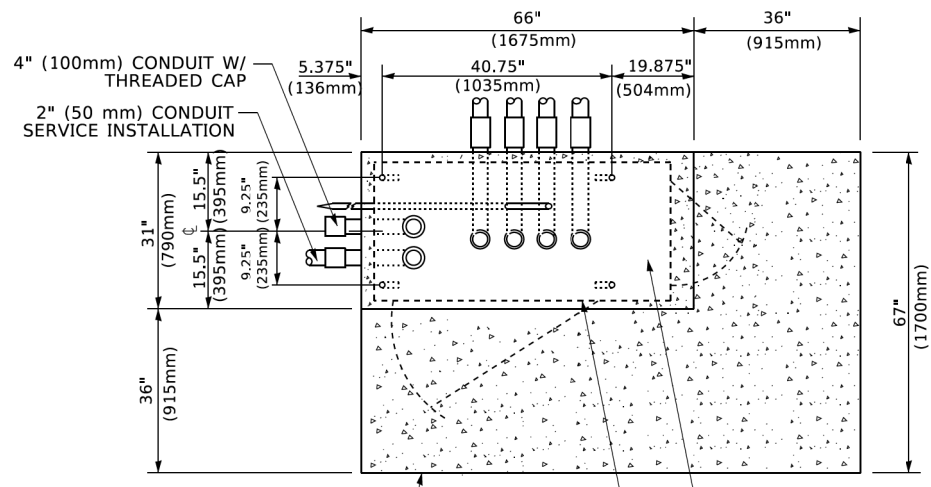
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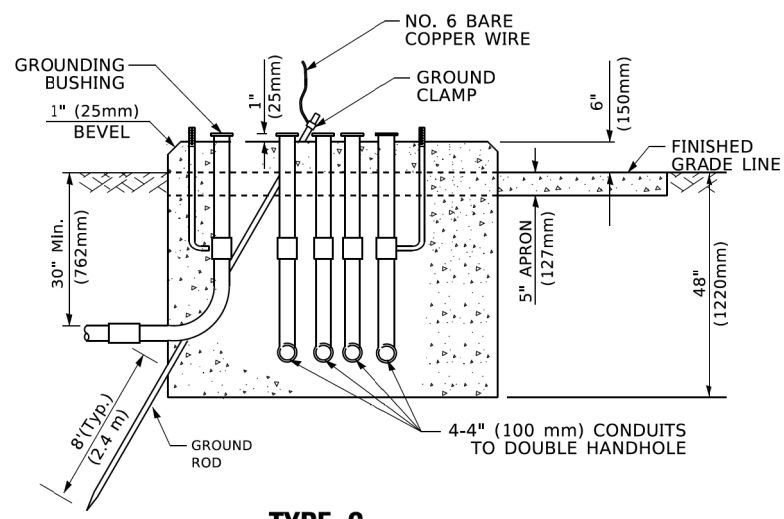
**TOP VIEW**



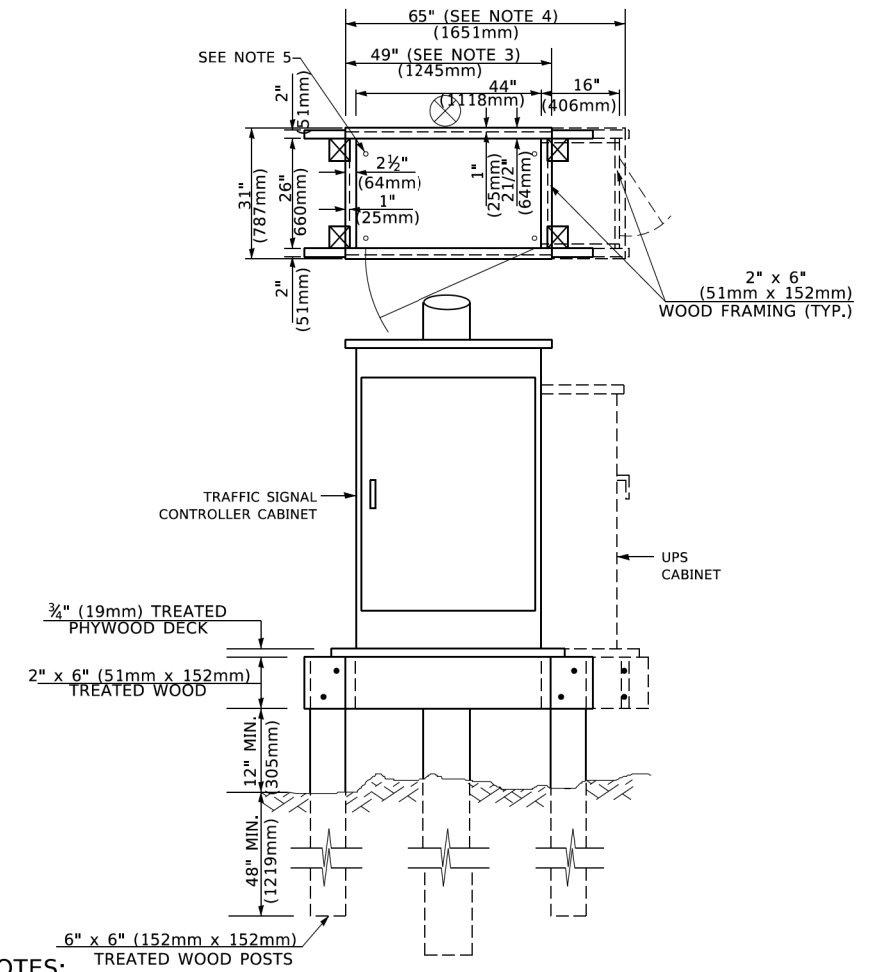
**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**



**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)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal 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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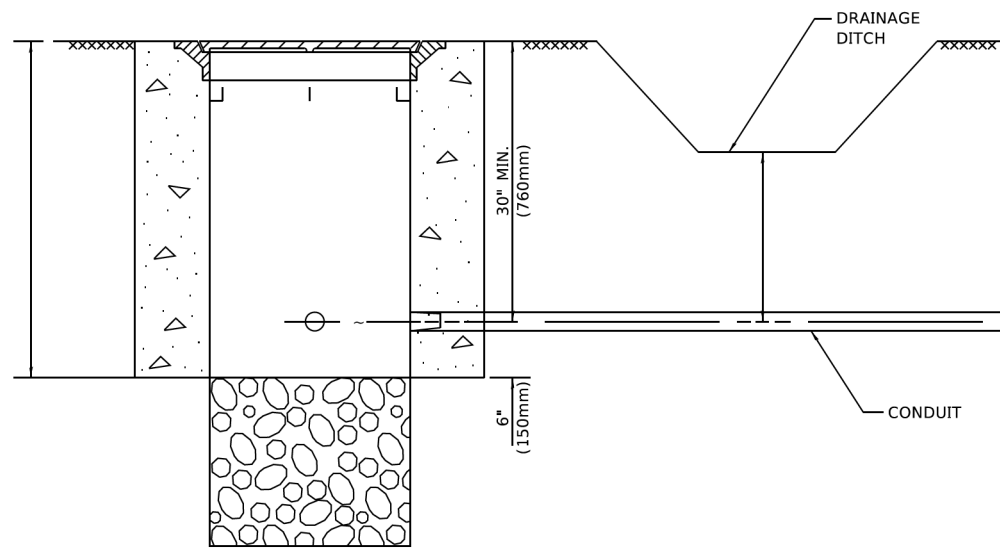
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 5 OF 7 SHEETS STA. TO STA.

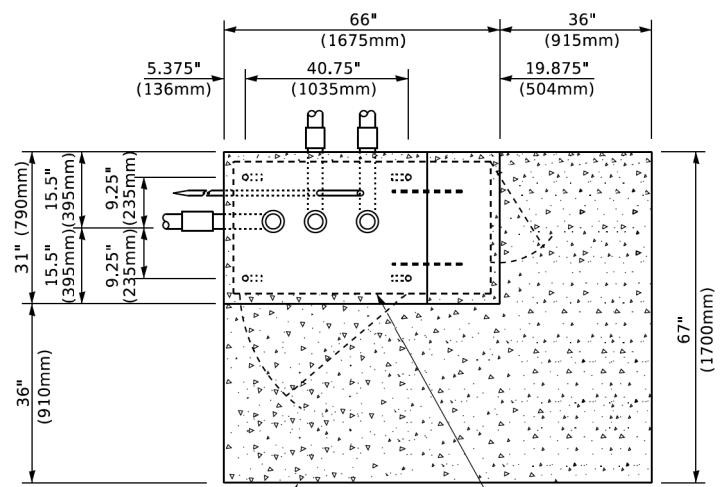
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TS-05			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				



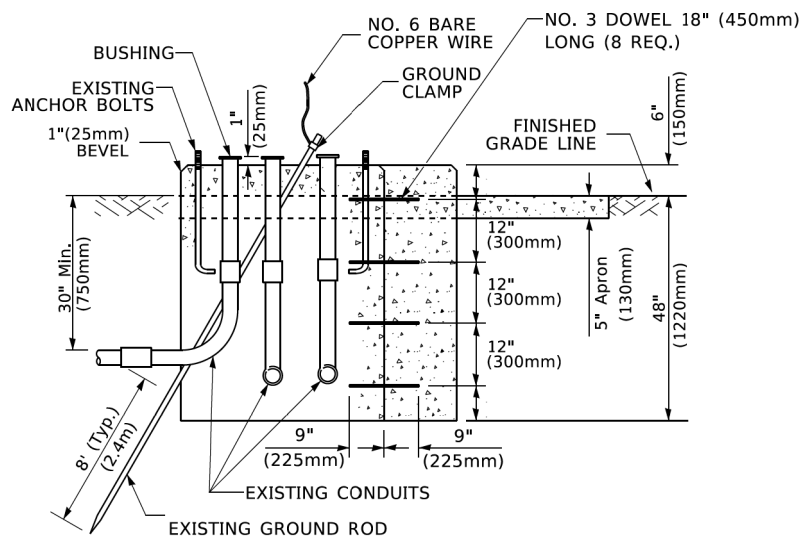
**NOTES:**

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)

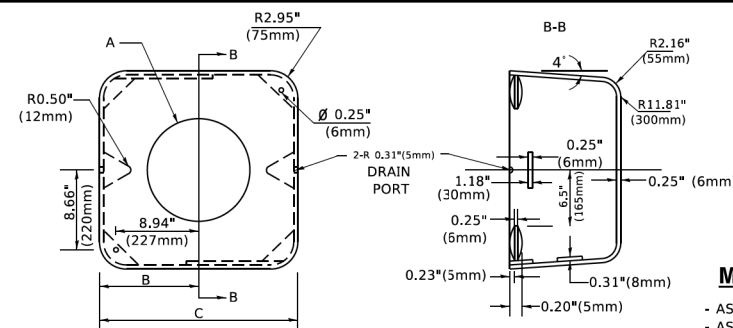


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

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	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (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.



**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)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

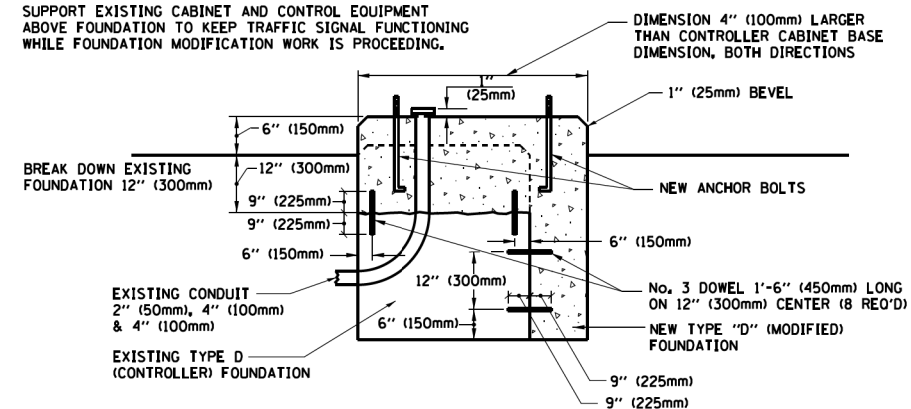
**SHROUD**

**NOTES:**

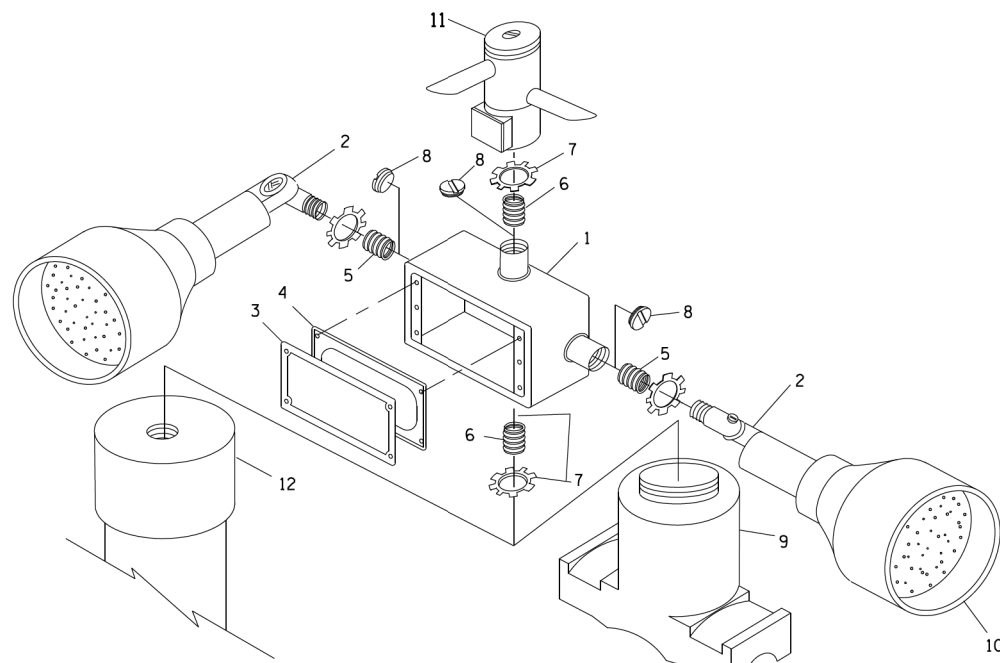
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

**NOTE:**

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



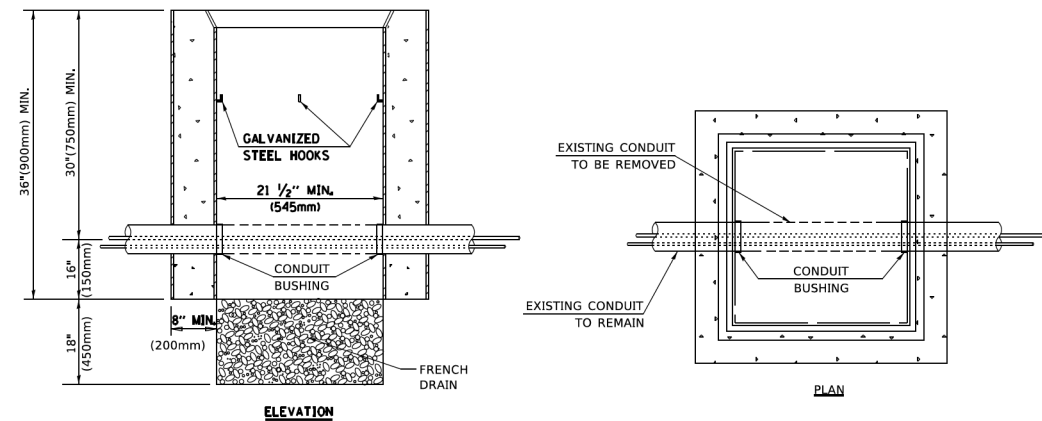
**MODIFY EXISTING TYPE "D" FOUNDATION**



**POST CAP MOUNT**

**MAST ARM MOUNT**

**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**



**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. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	500
<b>TS-05</b>		CONTRACT NO. 62B43		
ILLINOIS / FED. AID PROJECT				