

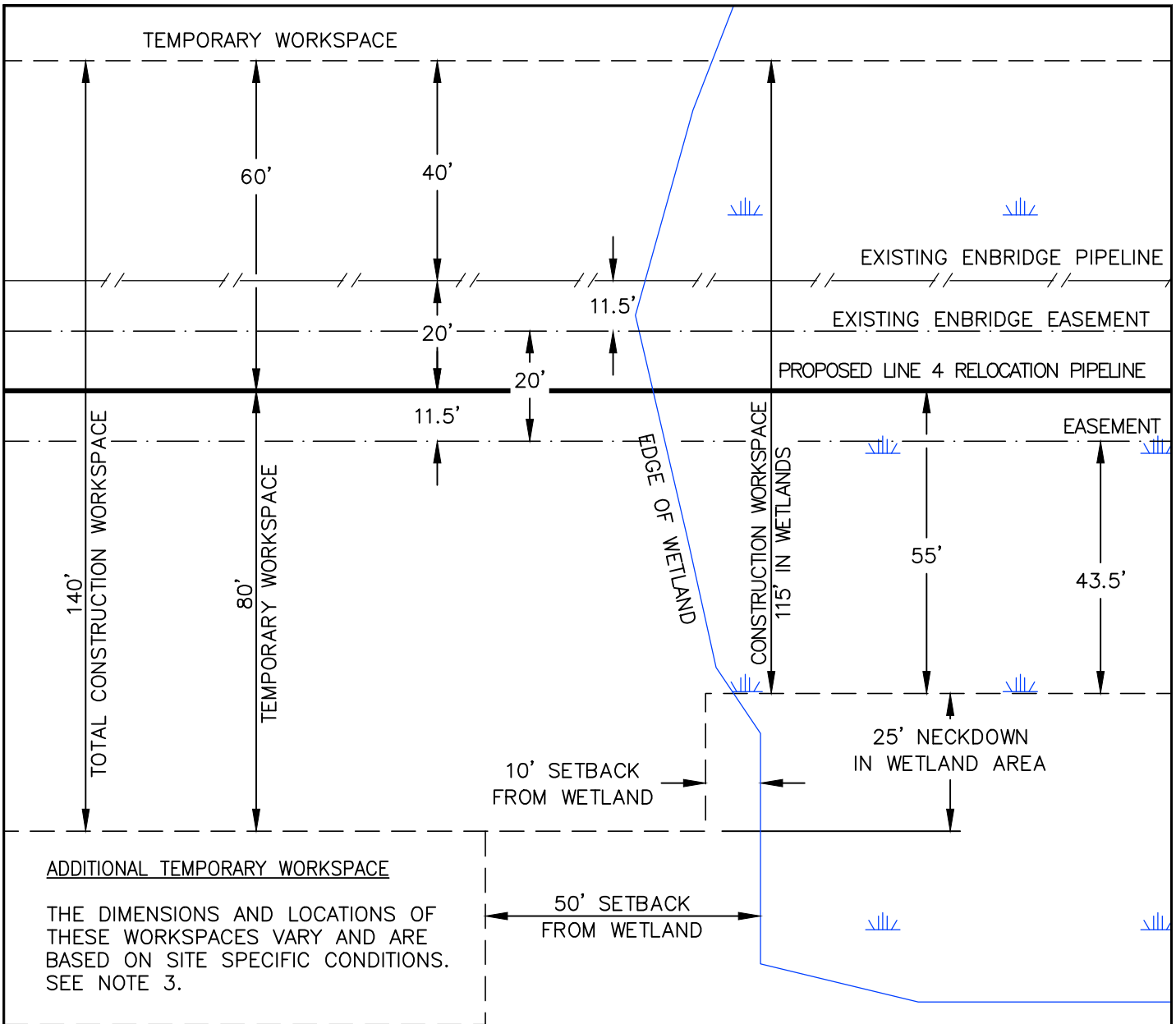
Fond du Lac Line 4 Project

Application for Pipeline Routing Permit and Partial Exemption

Minnesota Public Utilities Commission

Appendix D

Typical Right-of-Way Configuration Drawings



ADDITIONAL TEMPORARY WORKSPACE

THE DIMENSIONS AND LOCATIONS OF THESE WORKSPACES VARY AND ARE BASED ON SITE SPECIFIC CONDITIONS. SEE NOTE 3.

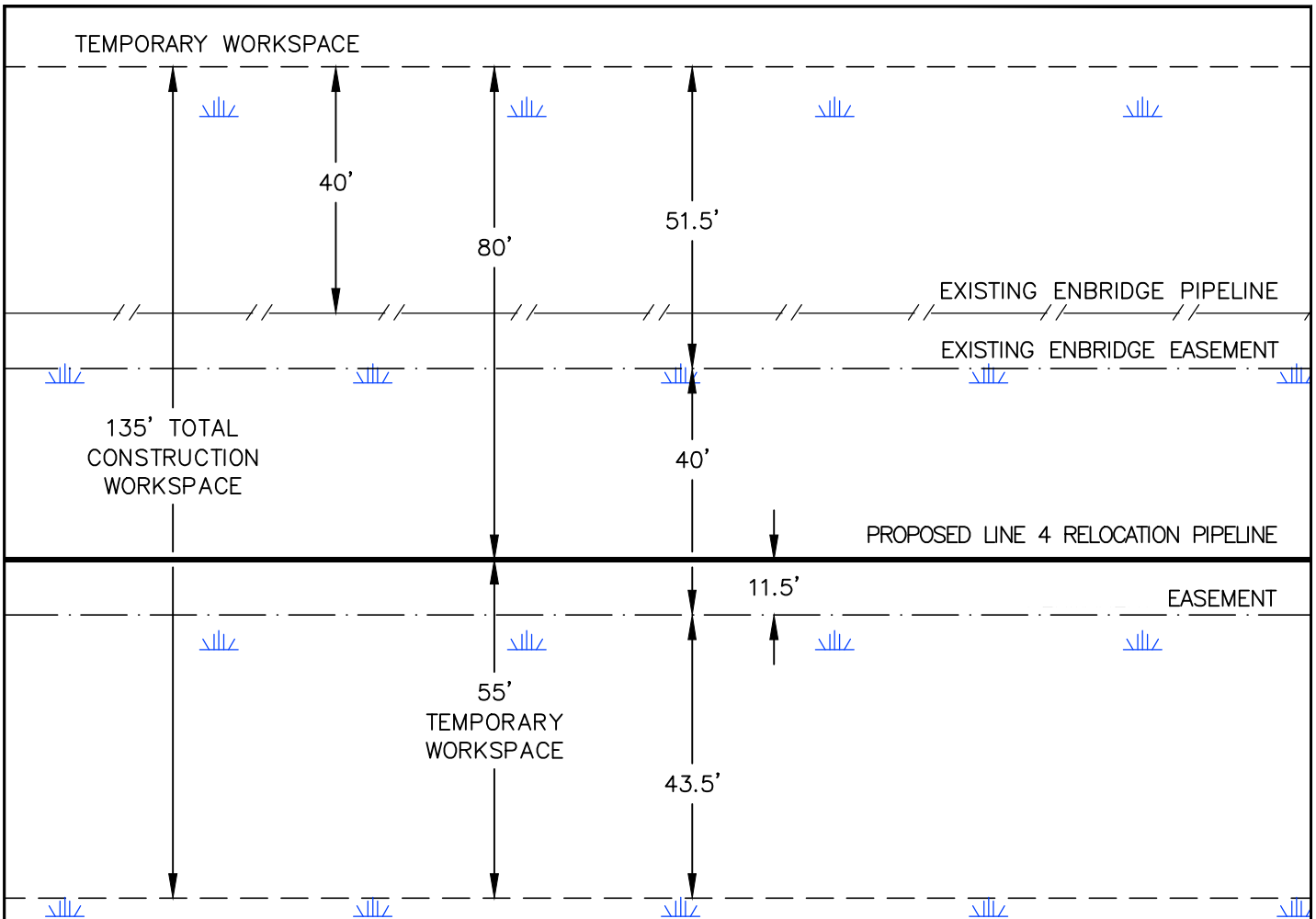
NOTES:

1. A PIPELINE RIGHT-OF-WAY LIMIT WILL BE TYPICALLY 11.5-FOOT PARALLEL AND ADJACENT TO THE PROPOSED LINE 4 RELOCATION PIPELINE.
2. IN WETLAND AREAS, CONSTRUCTION WILL TYPICALLY UTILIZE A 95-FOOT-WIDE CONSTRUCTION WORKSPACE TO INSTALL THE PROPOSED LINE 4 RELOCATION PIPELINE AND WILL TYPICALLY HAVE A 20-FOOT OFFSET FROM THE EXISTING ENBRIDGE PIPELINE.
3. ADDITIONAL TEMPORARY WORKSPACE REQUIREMENTS WILL VARY PENDING; CONSTRUCTION TECHNIQUE, TYPE OF CROSSING, TOPOGRAPHY AND ANY SPECIAL PERMIT CONDITIONS OR ENVIRONMENTAL FEATURES. THESE ADDITIONAL TEMPORARY WORKSPACES ARE GENERALLY USED AT ROAD, RAILROAD, WATERBODY, WETLAND, UNEVEN GRADIENTS, AND UTILITY CROSSINGS.

11/12/2018

DWN. BY:	JV	DATE	11/12/18
CHK.	ND	DATE	11/12/18
PRQJ. MGR.	VB	DATE	11/12/18
SCALE		D/WG. NO.	
NO SCALE			

TYPICAL WORKSPACE
PROPOSED LINE 4 RELOCATION PIPELINE
CO-LOCATED WITH EXISTING ENBRIDGE PIPELINE



ADDITIONAL TEMPORARY WORKSPACE

THE DIMENSIONS AND LOCATIONS OF THESE WORKSPACES VARY AND ARE BASED ON SITE SPECIFIC CONDITIONS. SEE NOTE 3.

EDGE OF WETLAND

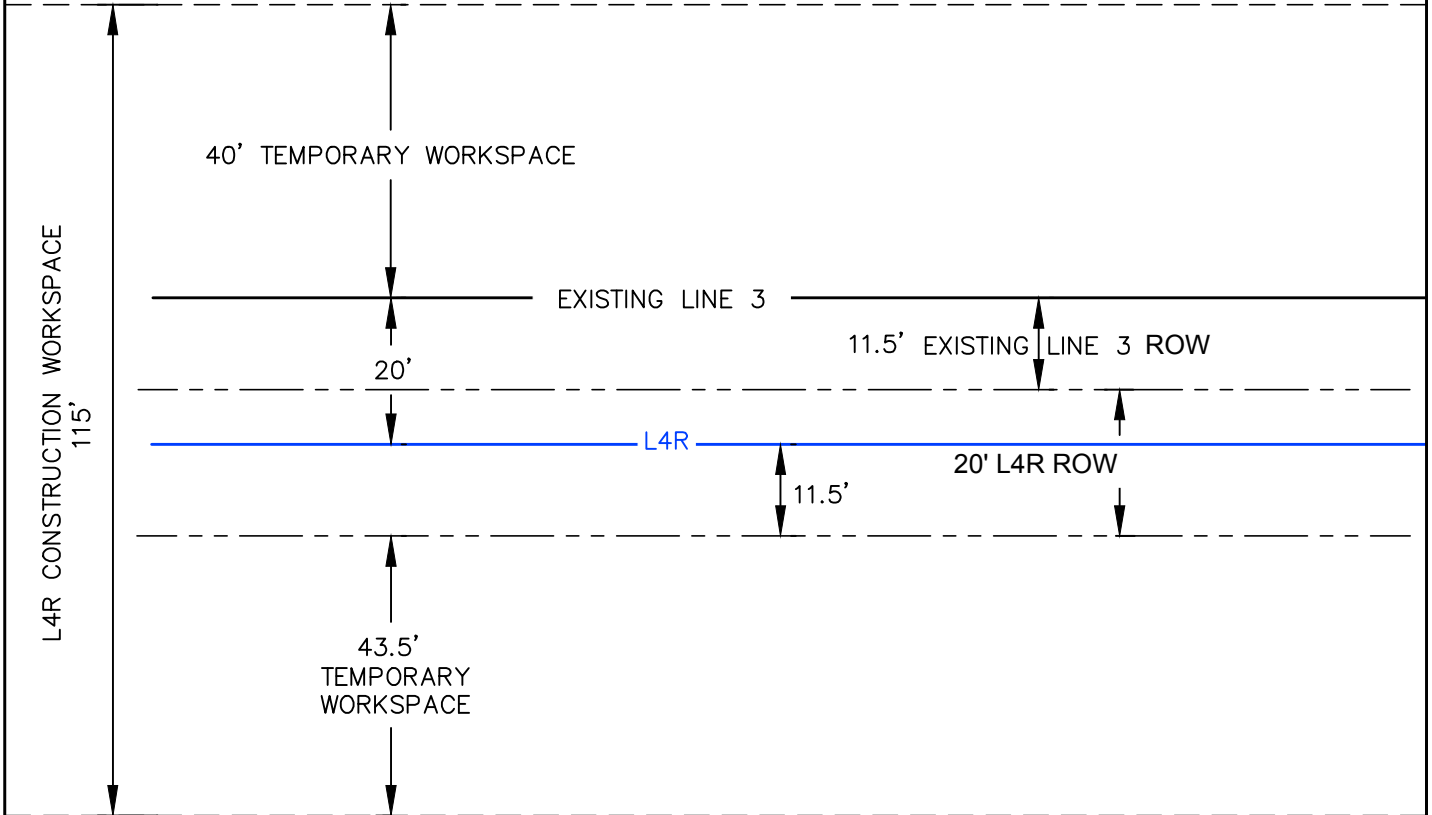
NOTES:

1. A PIPELINE RIGHT-OF-WAY LIMIT WILL BE TYPICALLY 11.5-FOOT PARALLEL AND ADJACENT TO THE PROPOSED LINE 4 RELOCATION PIPELINE.
2. IN SATURATED WETLAND AREAS, CONSTRUCTION WILL TYPICALLY UTILIZE A 95-FOOT-WIDE CONSTRUCTION WORKSPACE TO INSTALL THE PROPOSED LINE 4 RELOCATION PIPELINE AND WILL TYPICALLY HAVE A 40-FOOT OFFSET FROM THE EXISTING ENBRIDGE PIPELINE.
3. ADDITIONAL TEMPORARY WORKSPACE REQUIREMENTS WILL VARY PENDING; CONSTRUCTION TECHNIQUE, TYPE OF CROSSING, TOPOGRAPHY AND ANY SPECIAL PERMIT CONDITIONS OR ENVIRONMENTAL FEATURES. THESE ADDITIONAL TEMPORARY WORKSPACES ARE GENERALLY USED AT ROAD, RAILROAD, WATERBODY, WETLAND, UNEVEN GRADIENTS, AND UTILITY CROSSINGS.

11/12/2018

DWN. BY:	JV	DATE	11/12/18
CHK.	ND	DATE	11/12/18
PRJ. MGR.	VB	DATE	11/12/18
TYPICAL WORKSPACE - SATURATED WETLANDS PROPOSED LINE 4 RELOCATION PIPELINE CO-LOCATED WITH EXISTING ENBRIDGE PIPELINE			
SCALE		D/WG. NO.	
NO SCALE			

LINE 4 RELOCATION (Wetlands—Co-located with Enbridge Line 3)

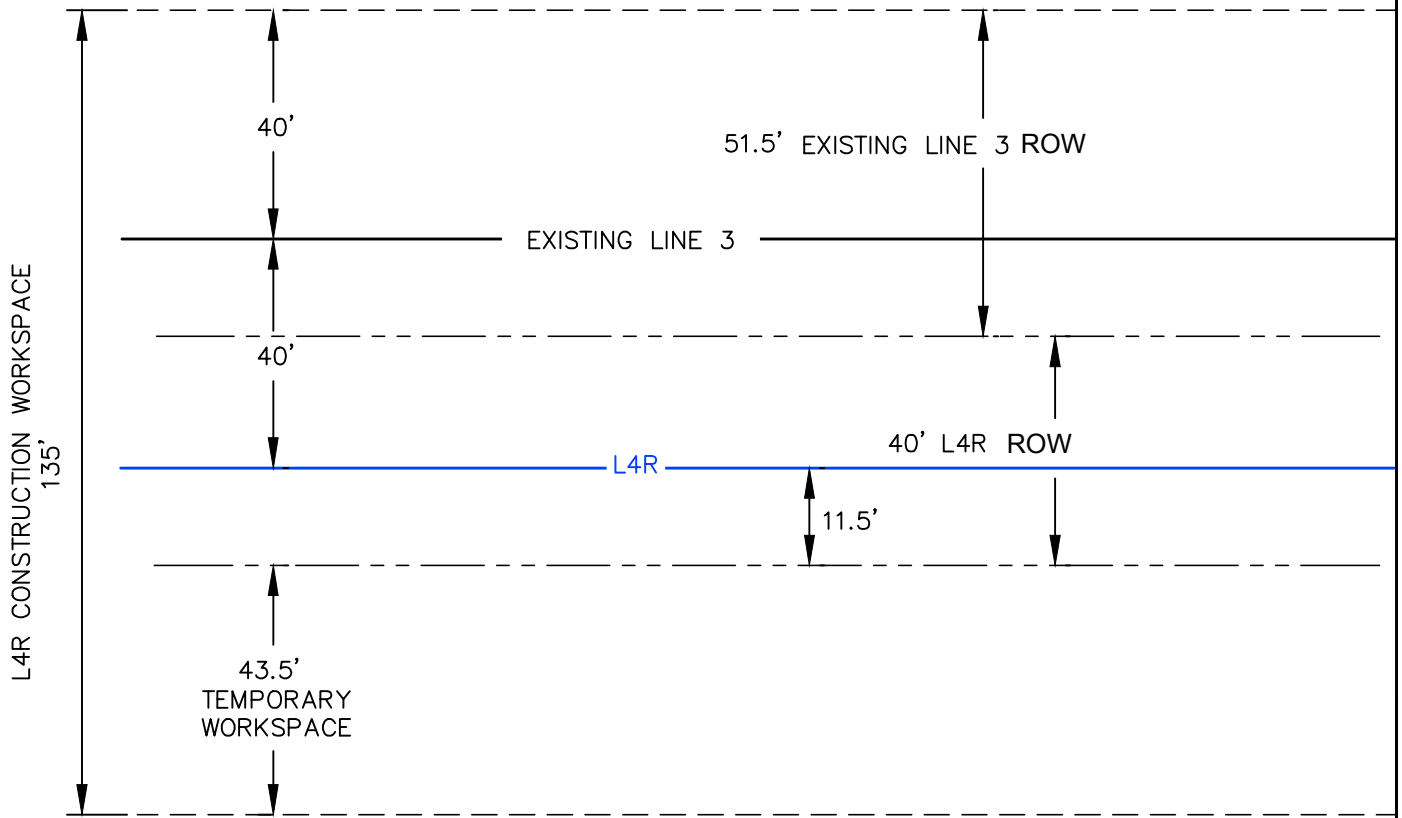


11/12/18

DWN. BY:	JW	DATE	11/12/18
CHK.	ND	DATE	11/12/18
PRD.J. MGR.	VB	DATE	11/12/18
SCALE		NO SCALE	
DWG. NO.			

TYPICAL WORKSPACE
PROPOSED LINE 4 RELOCATION PIPELINE
CO-LOCATED WITH EXISTING ENBRIDGE PIPELINE
WETLANDS

LINE 4 RELOCATION (Saturated Wetlands—Co-located with Enbridge Line 3)



11/12/18

DWN. BY:	JW	DATE	11/12/18
CHK.	ND	DATE	11/12/18
PRD.J. MGR.	VB	DATE	11/12/18
SCALE		NO SCALE	DWG. NO.

TYPICAL WORKSPACE
 PROPOSED LINE 4 RELOCATION PIPELINE
 CO-LOCATED WITH EXISTING ENBRIDGE PIPELINE
 SATURATED WETLANDS