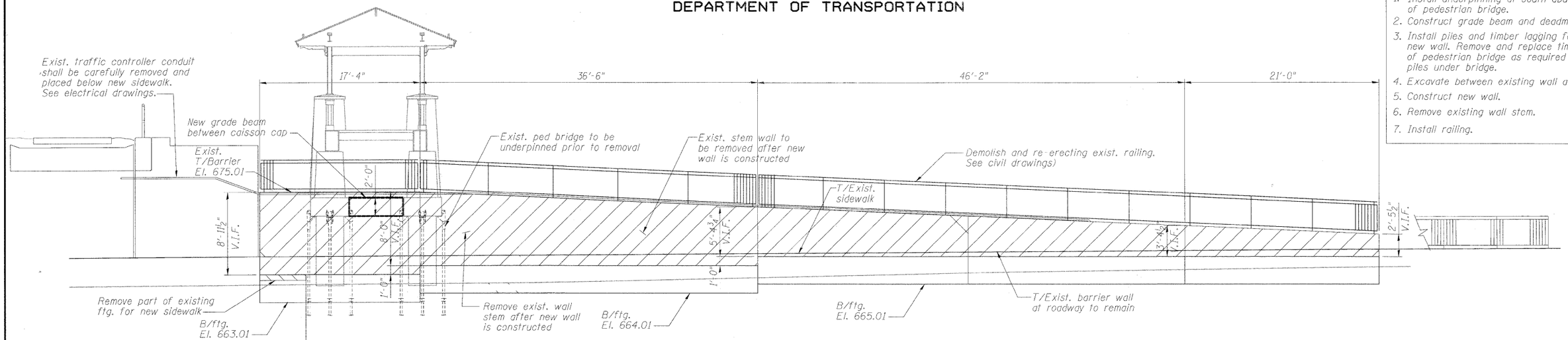
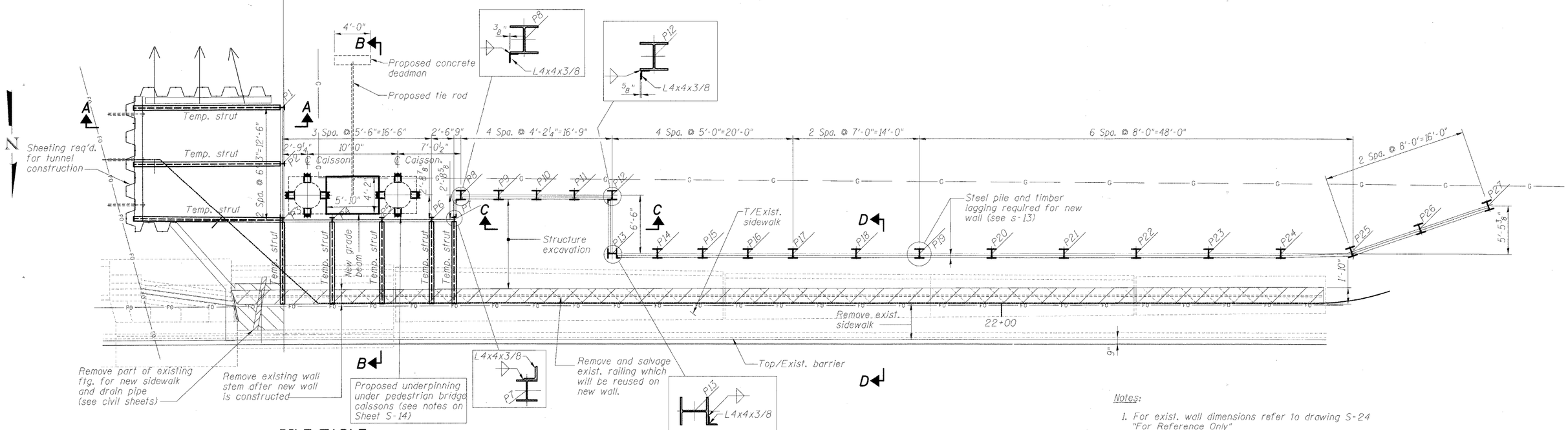
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WALL STAGING STEPS:

1. Install underpinning at south abutment of pedestrian bridge.
2. Construct grade beam and deadman.
3. Install piles and timber lagging for new wall. Remove and replace timber deck of pedestrian bridge as required to install piles under bridge.
4. Excavate between existing wall and lagging.
5. Construct new wall.
6. Remove existing wall stem.
7. Install railing.



ELEVATION-RETAINING WALL STEM REMOVAL



PILE TABLE

Location	Type	Top/Pile	Length	Notes
P1-P3	W6x25	675.55	14'-9"	See Section A-A
P4-P7	W6X25	675.55	14'-0"	See Section B-B
P8-P9	HP12X84	672.88	26'-0"	See Section D-D
P10-P13	HP12X84	672.69	26'-0"	See Section D-D
P14-P15	HP12X84	672.54	24'-9"	See Section D-D
P16-P17	HP12X84	672.38	24'-9"	See Section D-D
P18-P19	HP12X84	671.96	23'-2"	See Section D-D
P20-P21	HP12X84	671.27	23'-2"	See Section D-D
P22-P23	HP12X84	670.56	21'-6"	See Section D-D
P24-P25	HP12X84	669.86	20'-0"	See Section D-D
P26-P27	HP12X53	669.19	17'-6"	See Section D-D

RETAINING WALL REMOVAL AND PILE PLAN

Timber Lagging:
The contractor is responsible for the design and performance of the lagging using no less than 3 in. nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi. The lagging shall be placed with ¾" gaps between adjacent timbers to allow for ground water to enter the geocomposite wall drain which shall be placed with its pervious side toward the lagging.

Notes:

1. For exist. wall dimensions refer to drawing S-24 "For Reference Only"
2. For sections A-A and C-C, see sheet S-14. For sections B-B and D-D, see sheet S-15.

RETAINING WALL REMOVAL PILE AND LAGGING LOCATION PLAN STRUCTURE NO. 049-6159

DESIGNED	KJH
CHECKED	BB
DRAWN	KJH
CHECKED	AWW

McDonough Associates Inc.
Engineers / Architects
130 East Randolph Street Chicago, Illinois 60601

SHEET NO.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S-12	1257	08-00083-00-BT	LAKE	51	32
SHEETS S-25		SN 049-6159	CONTRACT NO. 63450		
	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		