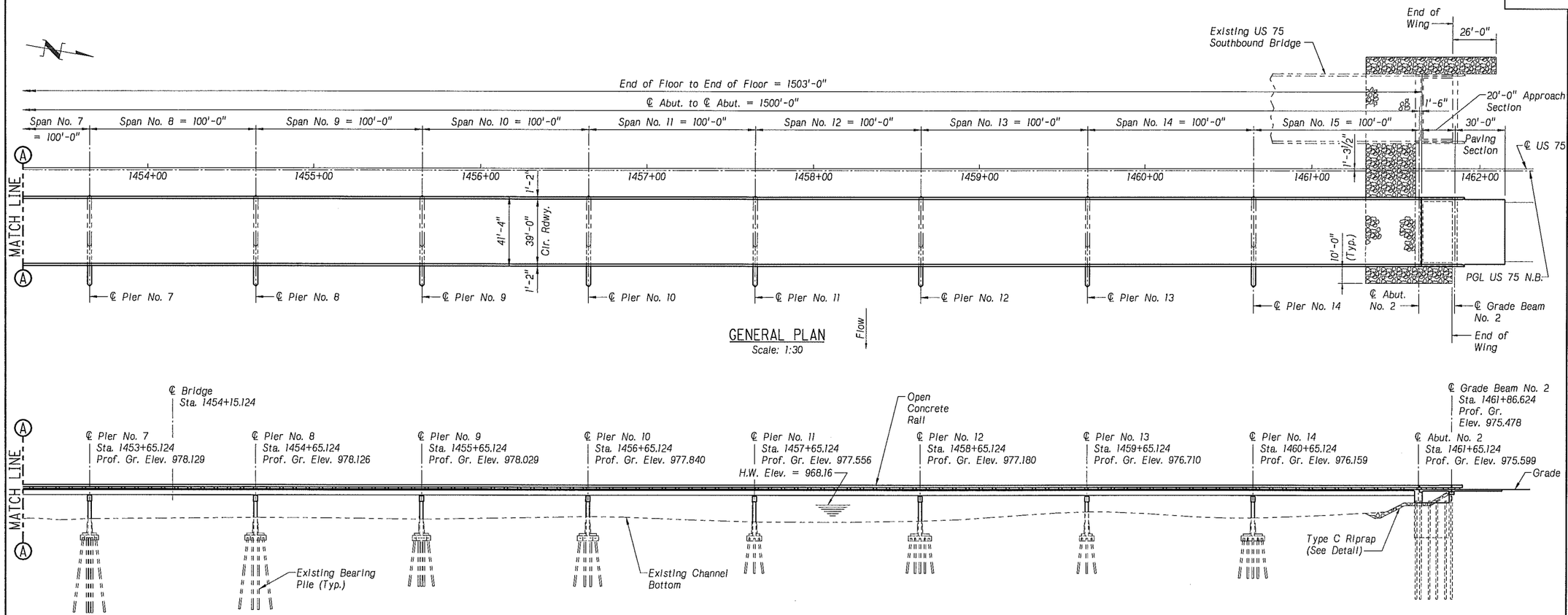


PROJECT NUMBER	SHEET NO.
75-2(155)	

C.N. 21849

STRUCTURE NUMBER
S075 07630R

PROFESSIONAL STRUCTURAL ENGINEER
LYMAN D. FREEMON
E-2005
STATE OF NEBRASKA

BRIDGE ENGINEER

1500'-0" I5 - SPAN
STEEL ROLLED BEAM BRIDGE - COMPOSITE TYPE
GENERAL PLAN AND ELEVATION (SHEET 2 OF 2)

COUNTY Sarpy and Cass LOCATION US 75 Plattsmouth-Bellevue
HWY. NO. US 75 SKEW 0°
REF. POST. 76.30 ROADWAY 39'-0"
STA. 1454+15.124 DESIGN LIVE LOAD HL-93
DESIGNED BY LDW DETAILED BY RMA CHECKED BY PER DATE October 2004

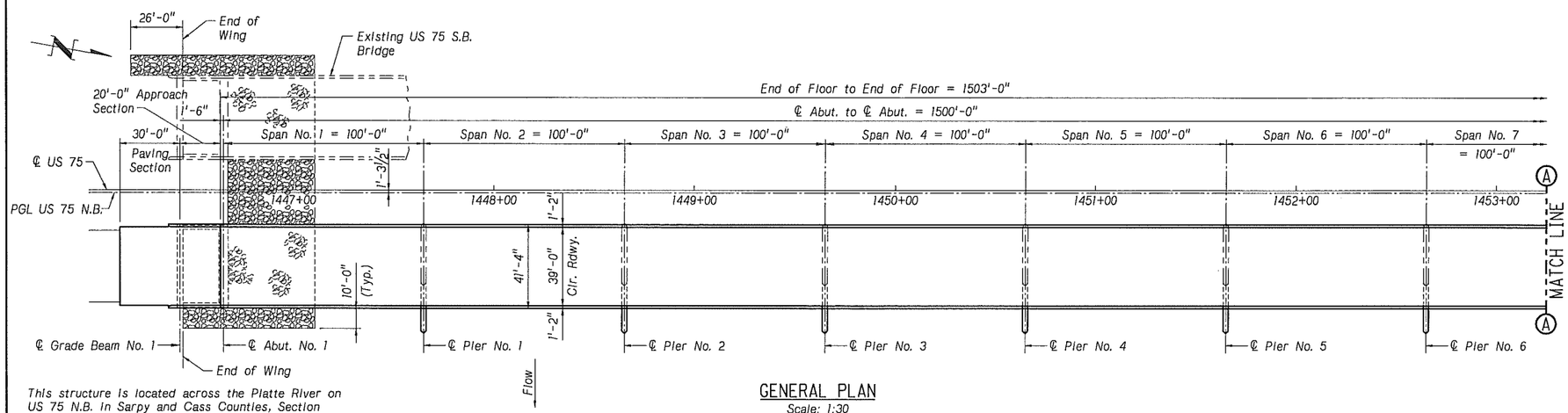
STATE OF NEBRASKA - DEPARTMENT OF ROADS - BRIDGE DIVISION

Nebraska

SPECIAL PLAN NO. 10/10

User:LEON R GOLDING
Project number:0000000000134
Date plotted:

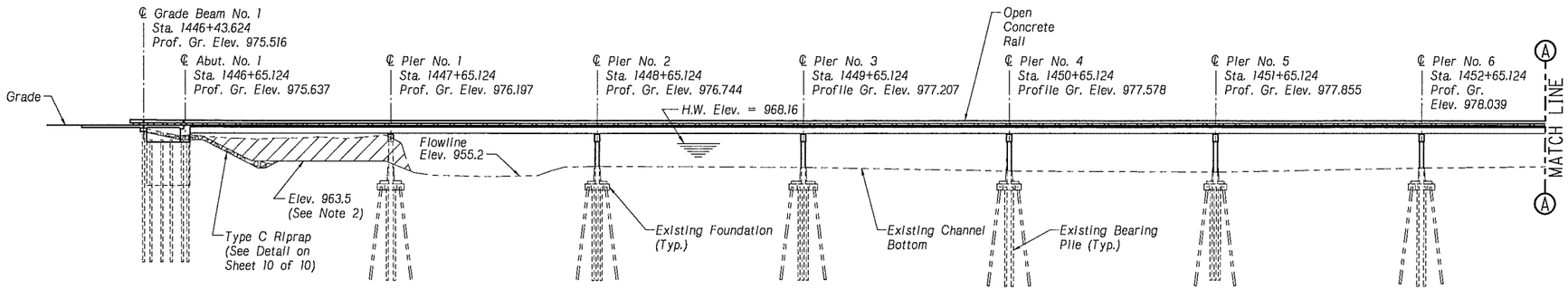
Filename: \\NDOM\NEUS75_BRIDGES\UPRRSB_US75.DGN



This structure is located across the Platte River on US 75 N.B. in Sarpy and Cass Counties, Section 27-T13N-R13E and Section 34-T13N-R13E.

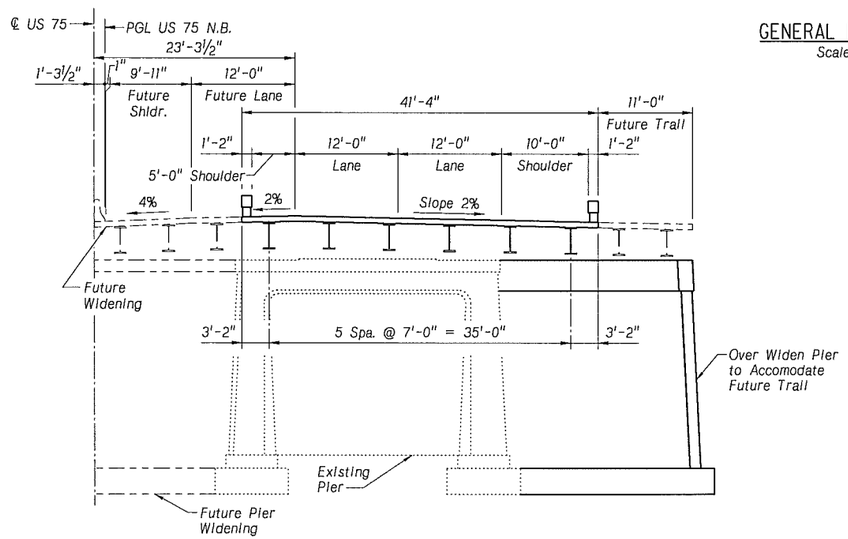
GENERAL PLAN

Scale: 1:30



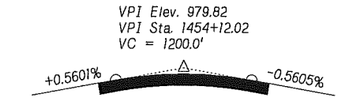
GENERAL ELEVATION

Scale: 1:30



TYPICAL SECTION - US 75 N.B.

Scale: 1/8" = 1'-0"



US 75 PROFILE GRADE

BRIDGE HYDRAULIC INFORMATION

STREAM: PLATTE RIVER
D.A. = 90,000 SQ. MI.
Q100 = 250,000 CFS (DESIGN FLOOD)
Q100 = 241,150 CFS (BASE FLOOD)
Q500 = 405,000 CFS (OVERTOPPING FLOOD)
H.W. ELEV. = 968.16 (D. S. SIDE)
W.W.A. BELOW H. W. = 13,723 SQ. FT.
Q100 GENERAL SCOUR = 1.0 FT.
Q100 LOCAL SCOUR = 21.3 FT.
Q500 GENERAL SCOUR = 1.9 FT.
Q500 LOCAL SCOUR = 36.6 FT.
FLOW LINE ELEV. = 955.2

TRAFFIC DATA ***		
YEAR	2001	2030
ADT	19,800	41,700
DHV	1,980	4170
HEAVY TRUCKS	5%	5%

*** Two Way Traffic

NOTES:

1. Analysis to determine pier and abutment fixities shall be performed in final design.
2. A minimum of 375 Ft.² of excavation is required in the south overbank between Abutment No. 1 and Pier No. 1 for flood plan development permit requirements.

PROJECT NUMBER: 75-2(155)
SHEET NO.:
C.N. 21849
STRUCTURE NUMBER: S075 07630R

PROFESSIONAL STRUCTURAL ENGINEER — LYMAN D. FREEMON E-2005 — STATE OF NEBRASKA

BRIDGE ENGINEER

1500'-0" 15 - SPAN STEEL ROLLED BEAM BRIDGE - COMPOSITE TYPE
GENERAL PLAN AND ELEVATION (SHEET 1 OF 2)

DATE October 2004
CHECKED BY PER
DETAILED BY RMA
DESIGNED BY LDW

LOCATION US 75 Plattsmouth-Bellevue
SKEW 0°
ROADWAY 39'-0"
DESIGN LIVE LOAD HL-93

COUNTY Sarpy and Cass
HWY. NO. US 75
REF. POST. 76.30
STA. 1454+15.124

STATE OF NEBRASKA - DEPARTMENT OF ROADS - BRIDGE DIVISION

Nebraska

SPECIAL PLAN NO. 9/10

User: LEON R GOLDING
Project number: 0000000000134
Date plotted:

Filename: \\WINDM\NEUS75_BRIDGES\UPRRSB_US75.DGN