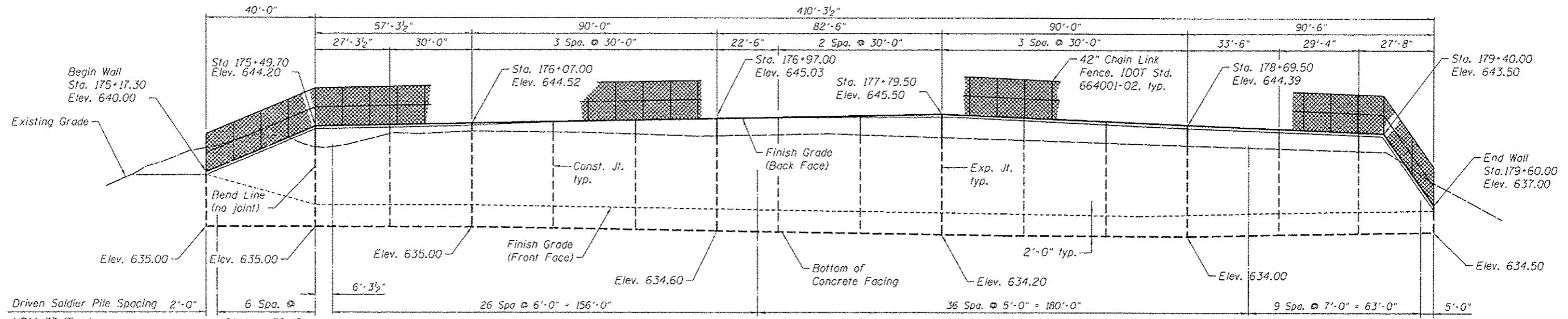
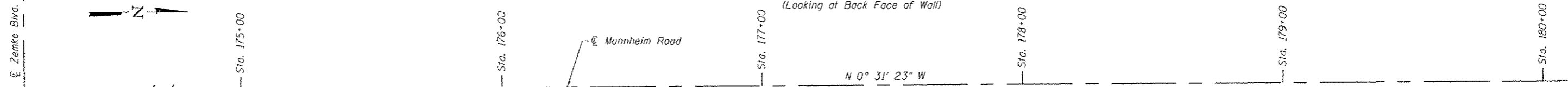


BENCH MARKS

TBM "C" East Flange Bolt of top flange of fire hydrant that reads #6 and #0 stamped into steel tag. Fire Hydrant is ±340 feet north of Zemke Blvd. and about 8 feet east of the east curb of N. Mannheim Rd. (Rt. 12, 45) N 1,941,439 E 1,106,298 Elev. 640.54

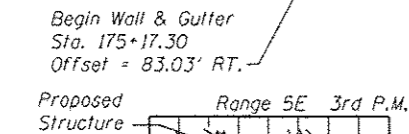


DEVELOPED ELEVATION
(Looking at Back Face of Wall)

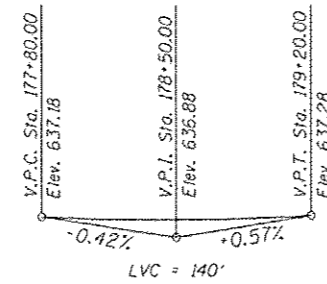


PLAN

Note:
Connect Pipe Underdrain below Retaining Wall to Storm Sewer System



LOCATION SKETCH



PROFILE GRADE
(along Mannheim Rd.)

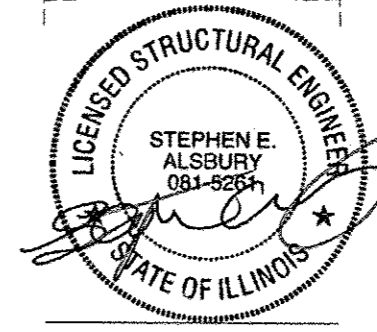
DESIGN SPECIFICATIONS
2010 AASHTO LRFD Bridge Design Specifications with 2010 Interims

DESIGN STRESSES
FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50)

STATION 175+17.30
BUILT 201 BY
STATE OF ILLINOIS
F.A.P. RTE. 330
SECTION 0105-WRS
STRUCTURE NO. 016-2009

NAME PLATE
See Std. 515001



APPROVED
For Structural Adequacy Only

Stephen E. Alsbury
Engineer of Bridges & Structures

GENERAL PLAN & ELEVATION
MANNHEIM ROAD
F.A.P. RTE. 330 - SEC. 0105-WRS
COOK COUNTY
STATION 175+17.30 TO 179+60.00
STRUCTURE NO. 016-2009

9901 S. Western Ave.
Chicago, IL 60643
Ph. 773-881-4788



USER NAME :	DESIGNED - SEA	REVISED
PLLOT SCALE :	CHECKED - CJE	REVISED
PLLOT DATE :	DRAWN - SCS	REVISED
	CHECKED - SEA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105-WRS	COOK	537	300
			CONTRACT NO. 60P35	
ILLINOIS FED. AID PROJECT				