F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0085	00-00246-01-FP	MCHENRY	236	161
STA. 109+80.00 TO STA. 112+00.00				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

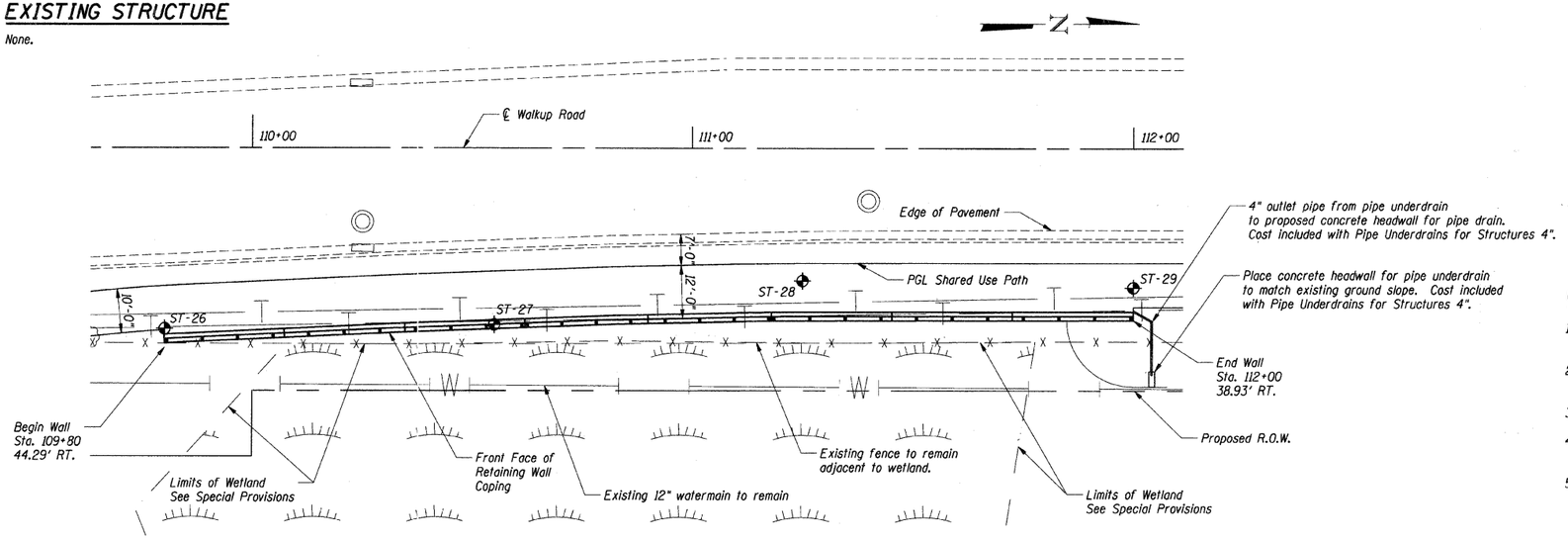
CONTRACT NO: 63266

BENCHMARK

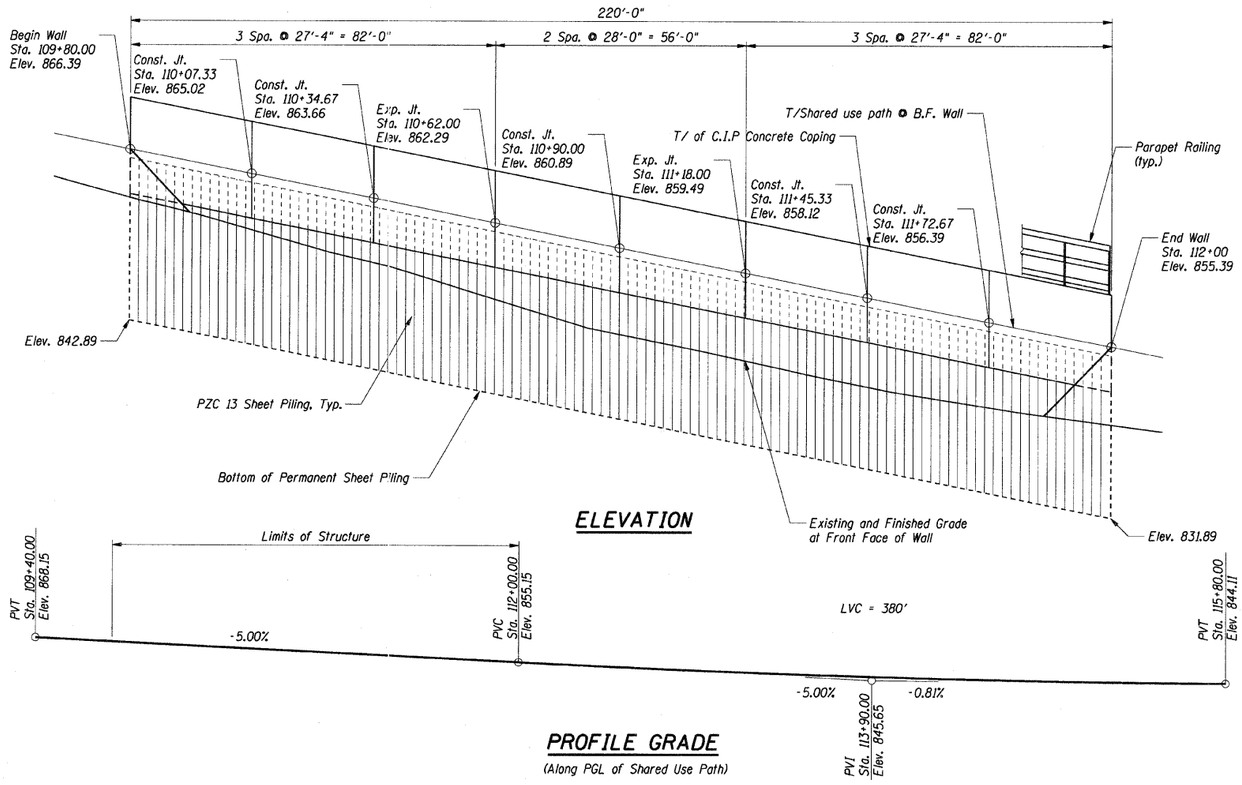
Southeast flange bolt of fire hydrant located at southwest corner of Walkup Road & Hillside Road. El. 918.014

EXISTING STRUCTURE

None.



PLAN



ELEVATION

PROFILE GRADE

(Along PGL of Shared Use Path)

DESIGN SPECIFICATIONS

AASHTO Standard Specifications for Highway Bridges, 17th Edition, 2002.

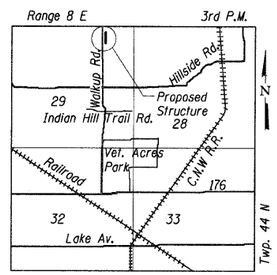
DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (reinforcement)
fy = 50,000 psi (AASHTO M270 Gr. 50)

GENERAL NOTES

1. No field welding is permitted except as specified in the contract documents.
2. Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60, See Special Provisions.
3. Reinforcement bars designated "(E)" shall be epoxy coated.
4. The clear cover for reinforcement bars to the surface of concrete shall be 2" unless otherwise shown.
5. F.F. denotes Front Face
   B.F. denotes Back Face
   E.F. denotes Each Face



LOCATION SKETCH

INDEX OF SHEETS:

SD-1	General Plan and Elevation
SD-2	Sections and Details
SD-3	Coping Details
SD-4	Parapet Railing Details
SD-5	Soil Boring Logs I
SD-6	Soil Boring Logs II

LEGEND

—W—	Exist. Water Main to remain
—T—	Exist. Telephone to be relocated by others
ST-26	Soil Boring

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu Yd	145
Concrete Structures	Cu Yd	51.6
Protective Coat	Sq Yd	106
Stud Shear Connectors	Each	112
Reinforcement Bars, Epoxy Coated	Pound	6,060
Parapet Railing	Foot	220
Pipe Underdrains for Structures 4"	Foot	230
Permanent Steel Sheet Piling	Sq Ft	5,060

NOTES:

1. Offsets are measured from ℄ of Walkup road to the front face of the wall.
2. The wall is to be built along straight lines between construction and expansion joints. For wall workpoints See sheet SD-3.
3. Horizontal dimensions are measured along front face of wall.

SHT. SD-1

REVISIONS NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
WALKUP ROAD F.A.U. 0085
SECTION 00-00246-01-FP
STATION 109+80.00 TO 112+00.00
RETAINING WALL

GENERAL PLAN AND ELEVATION

SCALE: 1/16" = 1' DRAWN BY: TCG
DATE: 12/01/09 CHECKED BY: MJK

TENG

TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE. CHICAGO, IL 60601
TELEPHONE: 312/616-0000

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