

Benchmarks: BM 3556 Set "+" easterly flange bolt of hydrant at northeast corner of 75th St. and State St. El. 9.06

Existing Structure: None.

Begin Wall
Offset: 150.99' Rt.
Sta. 2355+21.18

*Total Length 450'-0"

*Const. Joint Spacing 24'-11 1/2"

*Exp. Joint Spacing 24'-11 1/2"

Chain Link Gate Assembly (Special)

Sta. 2354+96.23
El. 10.77

Sta. 2355+21.18
El. 10.71

El. 6.88

El. 4.04

El. 6.46

El. 4.10

El. 6.27

El. 4.27

El. 3.21

El. 3.26

El. 3.38

El. 0.67

El. 0.82

El. 0.96

El. 1.19

El. 2.75

El. 4.33

El. 4.46

El. 4.95

El. 2.95

El. 3.38

El. 3.38

El. 3.38

El. 3.38

El. 3.38

El. 3.38

El. 3.38

El. 3.38

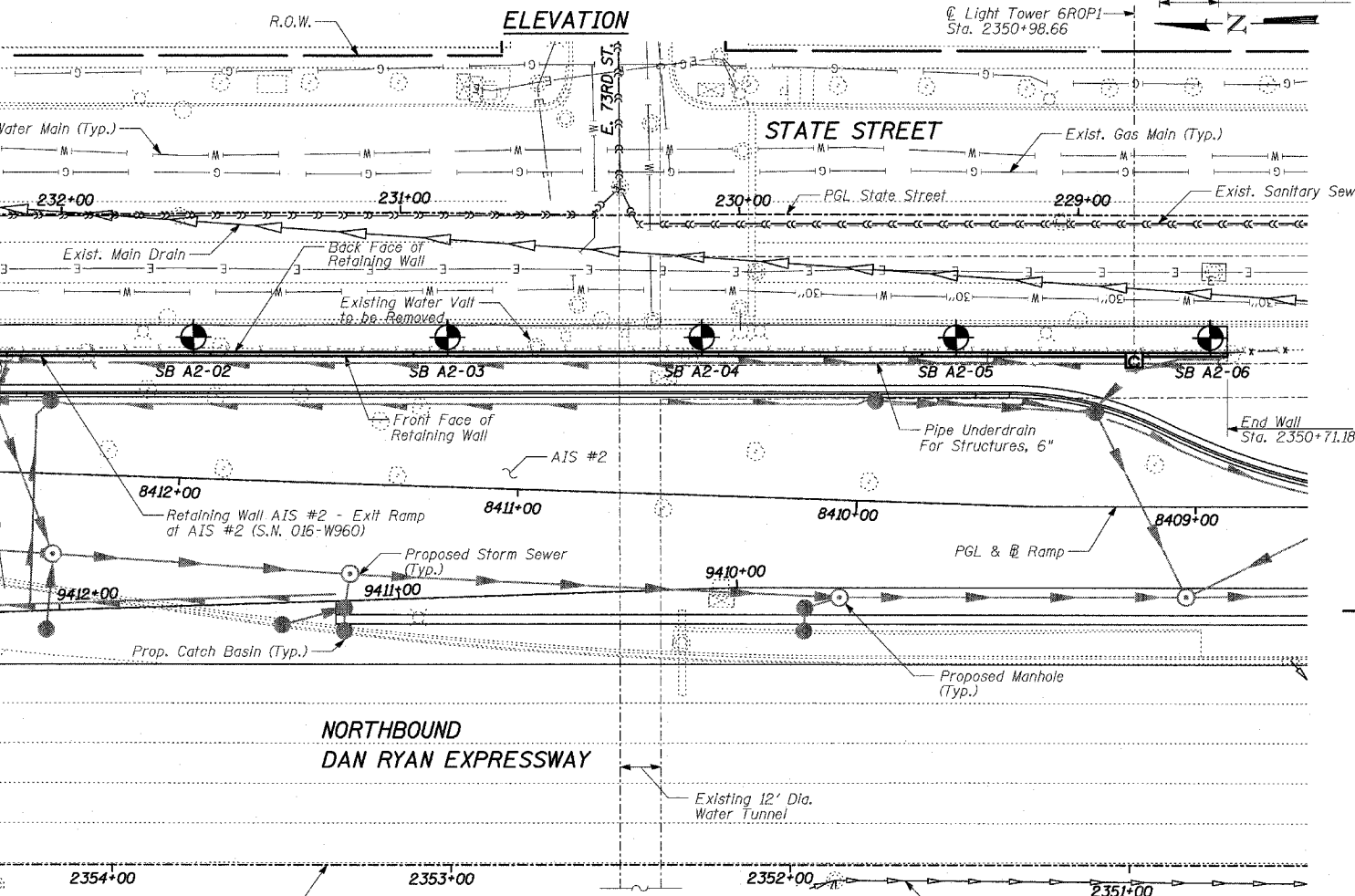
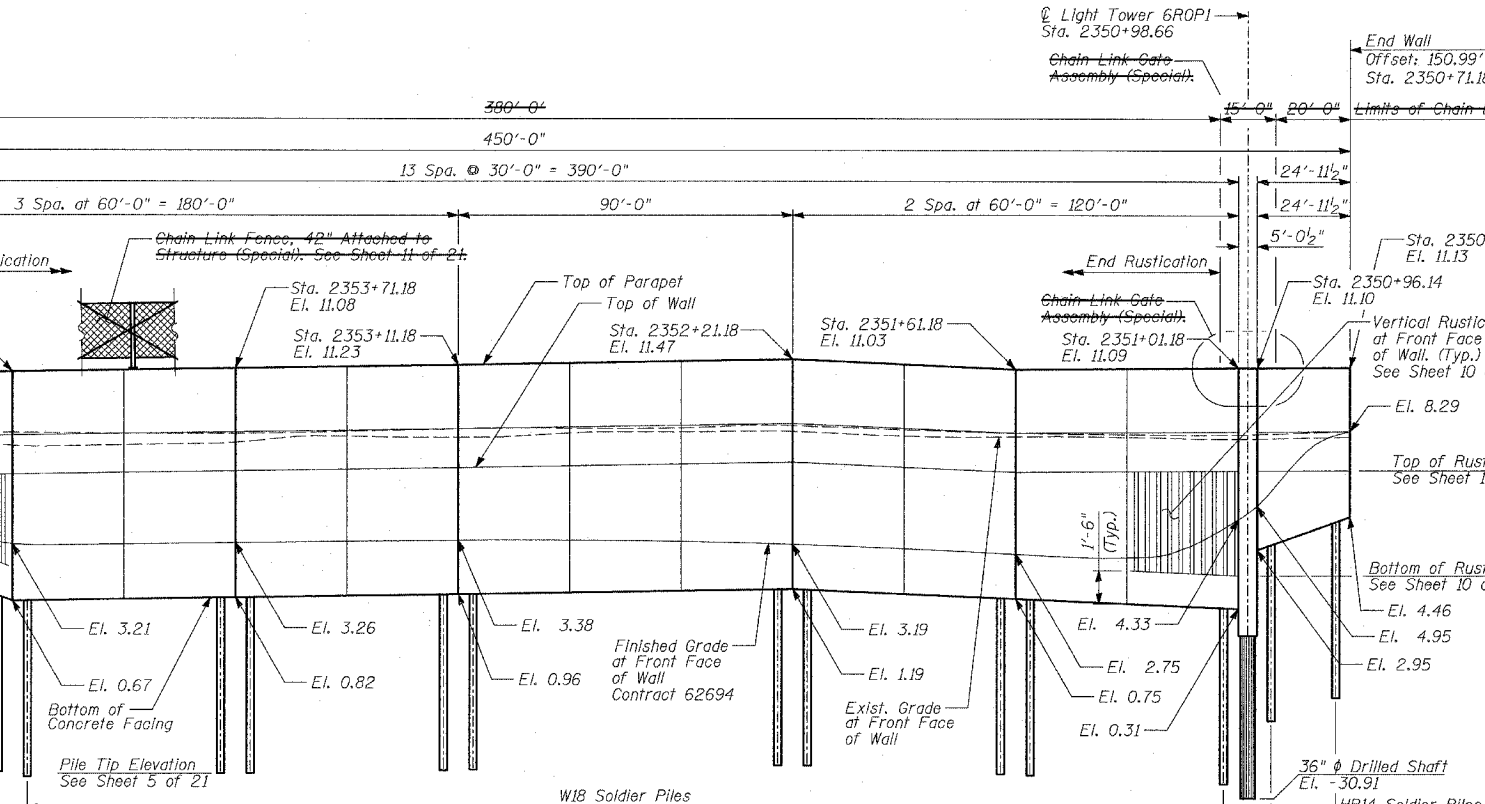
El. 3.38

El. 3.38

El. 3.38

El. 3.38

El. 3.38



TYLIN INTERNATIONAL

LEGEND
Boring Location
Measured along Front Face of Wall.

PLAN

GENERAL NOTES:

- 1. Reinforcement bars shall conform to the requirements of AASHTO M31 or M322 Grade 60.
- 2. The Contractor is responsible for the design and performance of the lagging using no less than 3" nominal rough-sawn thickness and the minimum tabulated unit stress in bending (fb), used in the design of timber lagging shall be 1000 psi.
- 3. The soldier piles shall be cleaned and given one shop coat of Inorganic Zinc-Rich primer.
- 4. All exposed concrete edges shall be chamfered 3/4" except as noted.
- 5. Protective coat shall be applied to exposed surfaces of the concrete facing.
- 6. Existing utilities in conflict with soldier pile wall construction shall be abandoned or relocated according to directions given on the roadway plans.
- 7. All construction joints shall be bonded.
- 8. All elevations shown are based on the Chicago City Datum of 0.00, which is 579.19 feet above mean tide New York. (NAVD 88)
- 9. The wall shall be backfilled (where applicable) prior to placing the concrete facing.
- 10. The Contractor is responsible to coordinate all electrical crossings with this Contract and with Contract 62583.

Table with columns: F.A.I. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., STA., FED. ROAD DIST. NO., ILLINOIS FED. AID PROJECT, and SHEET NO. Values include 94, COOK, 860, 641, STA. 2200+00.00 TO STA. 2362+00.00, and 62694.

TOTAL BILL OF MATERIAL

Table with columns: ITEM, UNIT, and TOTAL. Lists materials such as Structure Excavation, Concrete Structures, Protective Coat, Rustication Finish, Stud Shear Connectors, Untreated Timber Lagging, Furnishing Soldier Piles (HP Section), etc.

DESIGN SPECIFICATION

AASHTO 2002 Standard Specifications for Highway Bridges

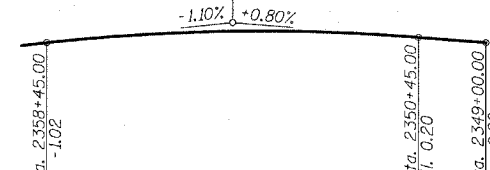
DESIGN STRESSES

FIELD UNITS

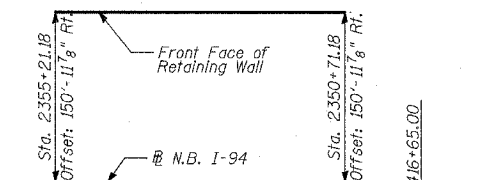
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 36,000 psi (M270 Grade 36) Soldier Piles

INDEX OF SHEETS

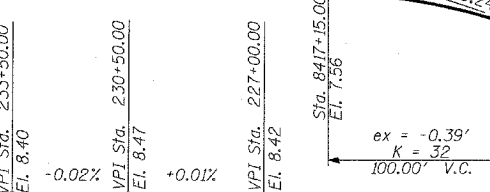
- 1. GENERAL PLAN
- 2. PLAN AND ELEVATION STA. 2355+21.18 TO STA. 2353+71.18
- 3. PLAN AND ELEVATION STA. 2353+71.18 TO STA. 2352+21.18
- 4. PLAN AND ELEVATION STA. 2352+21.18 TO STA. 2350+71.18
- 5. PILE LAYOUT, DETAILS & BILL OF MATERIAL
- 6. LIGHT TOWER 6R0P1 FOUNDATION DETAILS
- 7. LIGHT TOWER 6R0P2 FOUNDATION DETAILS
- 8. LIGHT TOWER DETAILS
- 9. WALL CROSS SECTIONS & DETAILS
- 10. RUSTICATION DETAILS
- 11. CHAIN LINK FENCE, 42" ATTACHED TO STRUCTURE (SPECIAL)
- 12. GATE PLAN AND NOTES
- 13. GATE ELEVATIONS
- 14. GATE SECTIONS
- 15. GATE SECTIONS AND DETAILS
- 16. BORING LOG SB A2-01
- 17. BORING LOG SB A2-02
- 18. BORING LOG SB A2-03
- 19. BORING LOG SB A2-04
- 20. BORING LOG SB A2-05
- 21. BORING LOG SB A2-06



PROFILE GRADE (N.B. I-94)

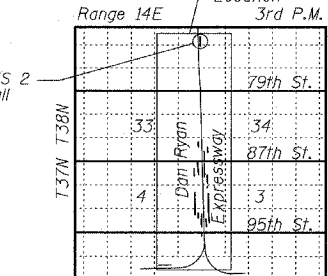


OFFSET SKETCH



PROFILE GRADE (State Street)

PROFILE GRADE (Ramp)



LOCATION SKETCH



Signed Phillip D. Frey
Phillip D. Frey, P.E., Ill. Lic. No. 081-004826 Expires 11-30-2006.
Date 3/18/05

Table with columns: REVISIONS, NAME, DATE. Shows one revision dated 04/15/05.

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
RETAINING WALL ALONG STATE ST.
EXIT RAMP AT AIS #2
AIS #2 - GENERAL PLAN
STA. 2355+21.18 TO STA. 2350+71.18
S.N. 016-W960 DESIGNED BY: MI, DJR
SCALE: N.T.S. DRAWN BY: DJR, TB
DATE: MARCH 18, 2005 CHECKED BY: TD, MI