Benchmarks: BM 3551 Set "+" northerly flange bolt of hydrant at southwest intersection of 95th St. and Lafayette Ave. El. 17.50

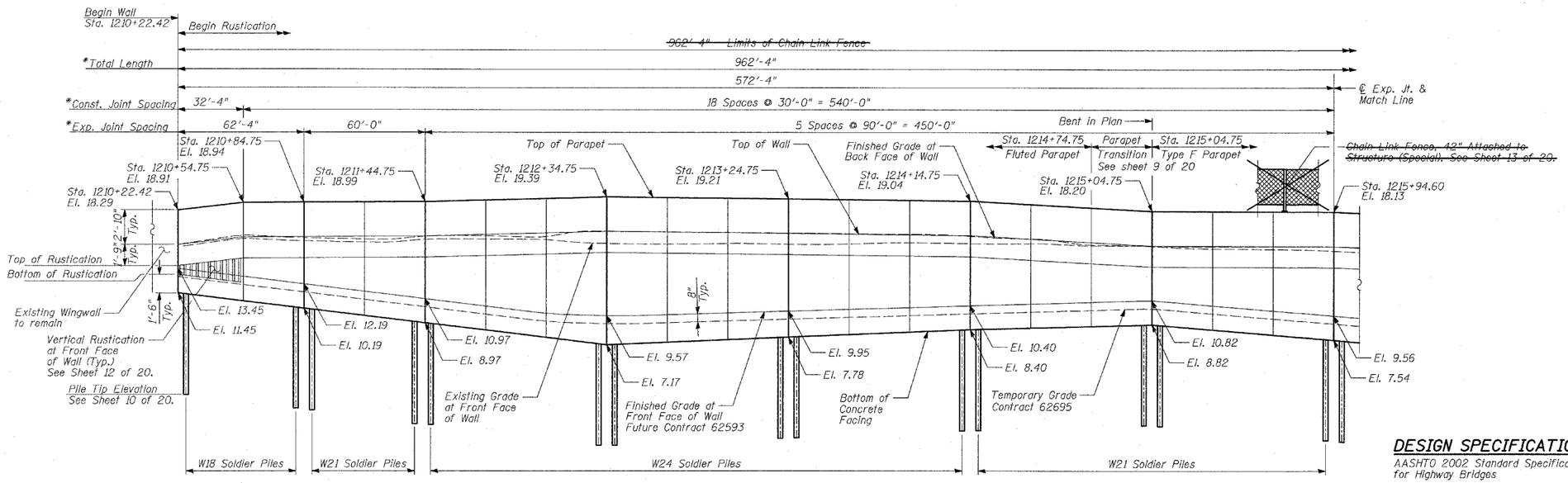
Existing Structure: None.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	•	COOK	907	440
STA. 1200+00.00	TO STA. 1365+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• (1516.1, 1717 & 1818) R-9

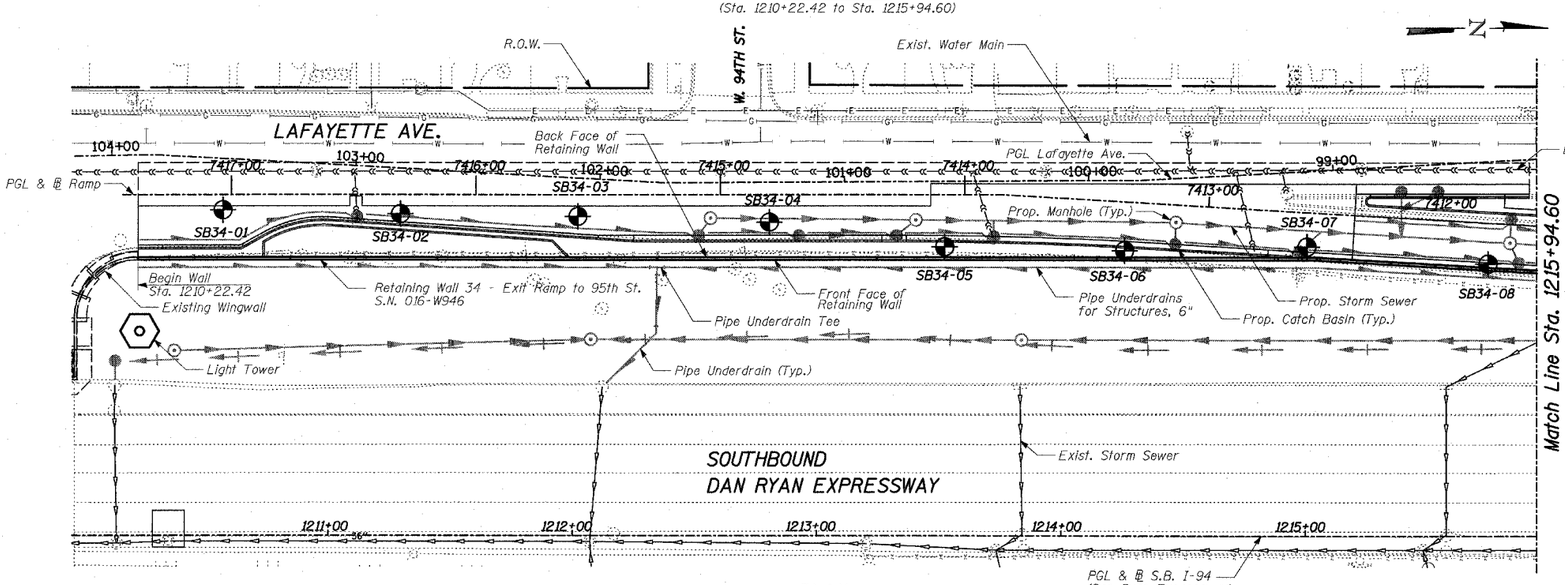
62695

$FILES



ELEVATION

(Sta. 1210+22.42 to Sta. 1215+94.60)



PLAN

(Sta. 1210+22.42 to Sta. 1215+94.60)

DESIGN SPECIFICATION

AASHTO 2002 Standard Specifications for Highway Bridges

DESIGN STRESSES FIELD UNITS

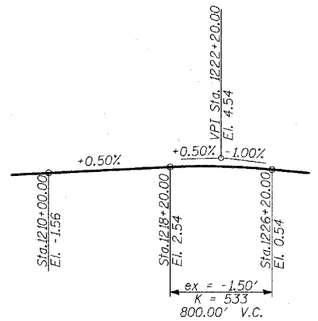
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 36,000 psi (M270 Grade 36) Soldier Piles

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structure Excavation	CU YD	746
Concrete Structures	CU YD	398
Protective Coat	SQ YD	1,294
Rustication Finish	SQ FT	4,069
Stud Shear Connectors	EACH	1,192
Untreated Timber Lagging	SQ FT	5,209
Furnishing Soldier Piles (HP Section)	FOOT	380
Furnishing Soldier Piles (W Section)	FOOT	3,895
Reinforcement Bars, Epoxy Coated	POUND	52,220
Geocomposite Wall Drain	SQ YD	633
Pipe Underdrains for Structures, 6"	FOOT	963
Drilling and Setting Soldier Piles (in Soil)	CU FT	24,730
~~Chain Link Fence, 42" Attached to Structure (Special)~~	~~FOOT~~	~~963~~

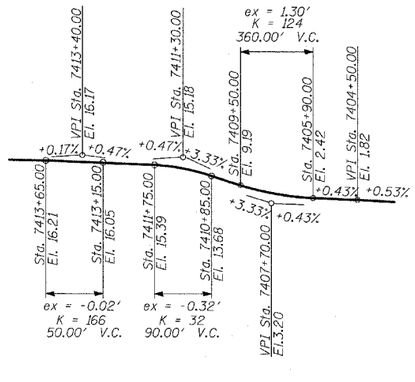
INDEX OF SHEETS

1. GENERAL PLAN
2. GENERAL PLAN
3. PLAN AND ELEVATION STA. 1210+22.42 TO STA. 1211+44.75
4. PLAN AND ELEVATION STA. 1211+44.75 TO STA. 1213+24.75
5. PLAN AND ELEVATION STA. 1213+24.75 TO STA. 1215+04.75
6. PLAN AND ELEVATION STA. 1215+04.75 TO STA. 1216+84.45
7. PLAN AND ELEVATION STA. 1216+84.45 TO STA. 1218+64.15
8. PLAN AND ELEVATION STA. 1218+64.15 TO STA. 1219+83.95
9. PARAPET TRANSITION
10. PILE LAYOUT, DETAILS & BILL OF MATERIAL
11. WALL CROSS SECTIONS & DETAILS
12. RUSTICATION DETAILS
13. ~~CHAIN LINK FENCE, 42" ATTACHED TO STRUCTURE (SPECIAL)~~
14. BORING LOGS SB34-01 & SB34-02
15. BORING LOGS SB34-03 & SB34-04
16. BORING LOGS SB34-05 & SB34-06
17. BORING LOGS SB34-07 & SB34-08
18. BORING LOGS SB34-09 & SB34-10
19. BORING LOGS SB34-11 & SB34-12
20. BORING LOGS SB34-13



PROFILE GRADE

(S.B. I-94)



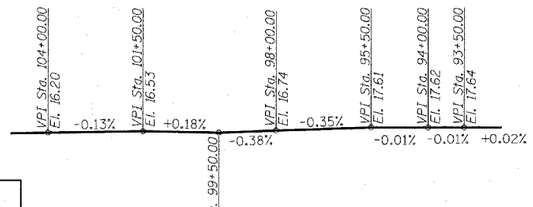
PROFILE GRADE

(Ramp)

LEGEND

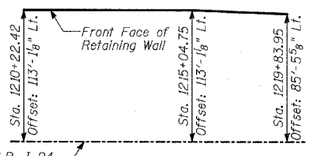
Boring Location

* Measured along Front Face of Wall.

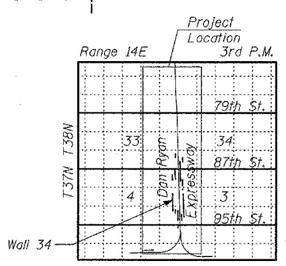


PROFILE GRADE

(Lafayette Ave.)



OFFSET SKETCH



LOCATION SKETCH

STATE OF ILLINOIS
PHILLIP D. FREY
081-004826
CHICAGO, ILLINOIS
LICENSED STRUCTURAL ENGINEER

Signed Phillip D. Frey
Phillip D. Frey, S.E. Il. Lic. No. 081-004826 Expires 11-30-2006.
For drawings 1 thru 20 of 20

Date 3/25/05

SHEET 1 OF 20

REVISIONS NAME	DATE
REVISED	04/15/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (DAN RYAN EXPRESSWAY)
RETAINING WALL ALONG LAFAYETTE AVE.
EXIT RAMP TO 95TH ST.
WALL 34 - GENERAL PLAN
STA. 1210+22.42 TO STA. 1219+83.95

S.N. 016-W946 DESIGNED BY: MI. DJR
SCALE: N.T.S. DRAWN BY: DJR, TB
DATE: MARCH 25, 2005 CHECKED BY: TD, MI

$DATE$ $TIME$

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