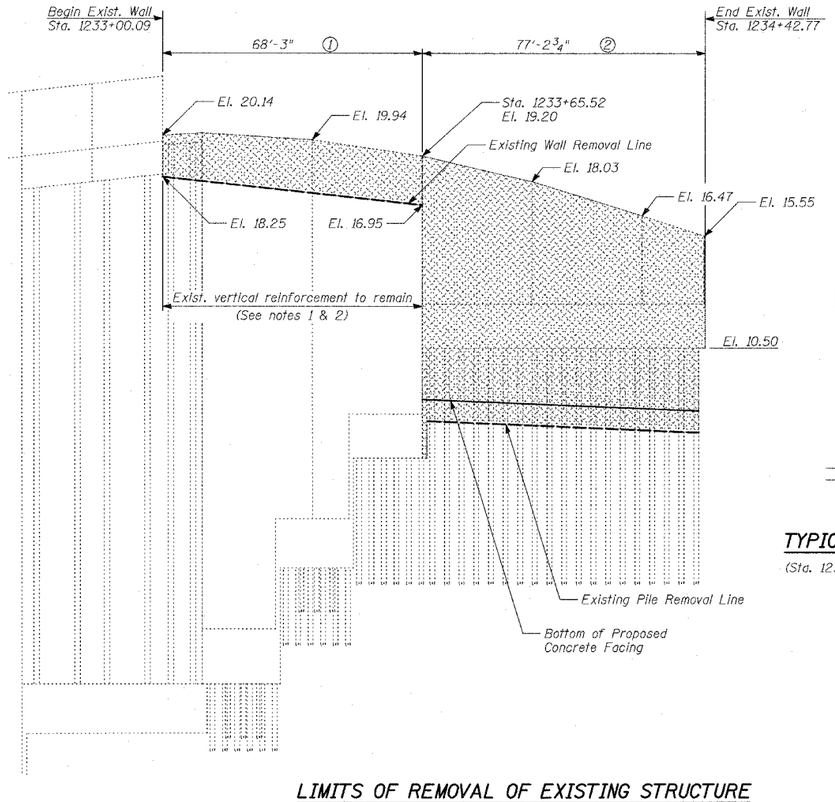
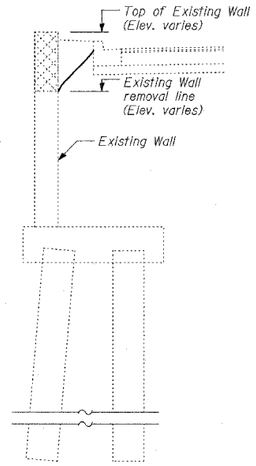
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	•	COOK	907	508
STA. 1200+00.00		TO STA. 1365+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• (1516.1, 1717 & 1818) R-9

62695



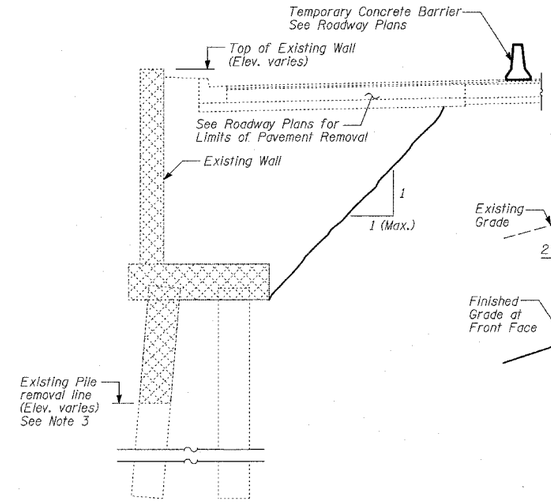
LIMITS OF REMOVAL OF EXISTING STRUCTURE



TYPICAL CROSS-SECTION

(Sta. 1233+00.09 to Sta. 1233+65.52)

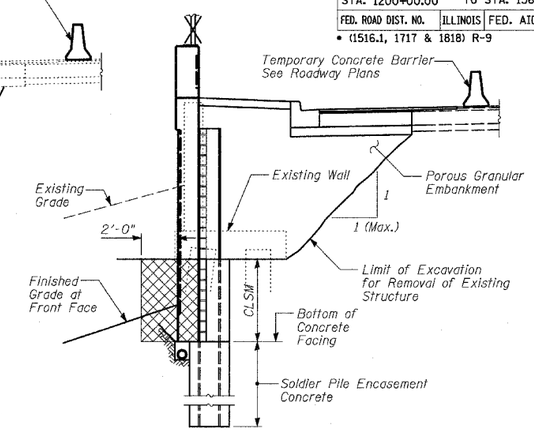
①



TYPICAL CROSS-SECTION

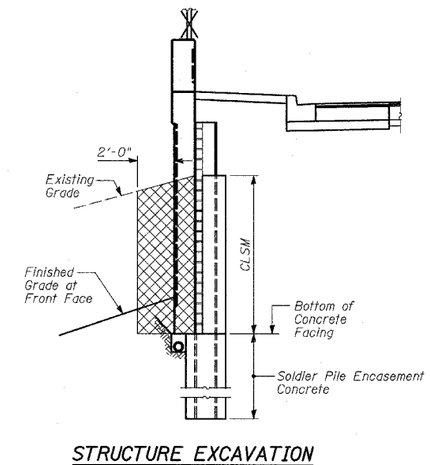
(Sta. 1233+65.52 to Sta. 1234+42.77)

②



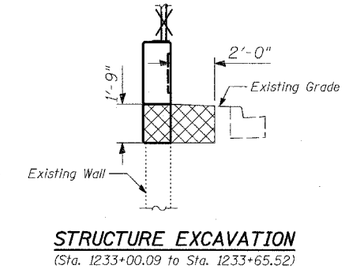
STRUCTURE EXCAVATION

(For Proposed Wall)
(Sta. 1233+65.52 to Sta. 1234+42.77)



STRUCTURE EXCAVATION

(For Proposed Wall)
(Sta. 1234+42.77 to Sta. 1235+15.52)



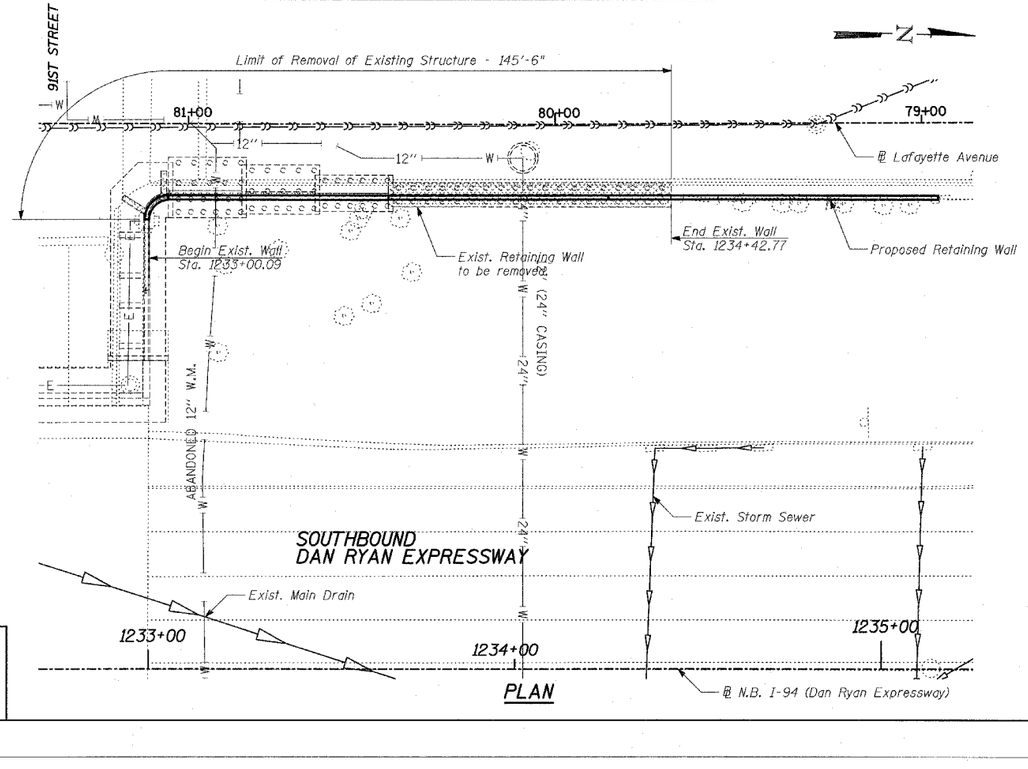
STRUCTURE EXCAVATION

(Sta. 1233+00.09 to Sta. 1233+65.52)

LEGEND

Removal of Existing Structure

Structure Excavation



PLAN

REMOVAL LIMITS

① Remove existing wall to elevations specified. Existing vertical reinforcement to remain and to be incorporated into new parapet. Existing horizontal reinforcement to be removed.

② Remove existing wall and cut-off existing piles which interfere with proposed wall construction 1'-0" (max.) below the elevation of proposed concrete facing.

NOTES:

1. Any vertical reinforcement bars that are damaged during concrete removal operations at the top of the wall shall be repaired or replaced using approved bar splicer or anchorage system. Cost included with "Removal of Existing Structures No. 2".
2. Sand blast clean existing reinforcing bars to be incorporated into new construction. After cleaning, bars shall be evaluated to determine if additional reinforcing bars are required. Damaged or cut bars, or bars that have lost 25% or more of their original cross sectional area shall be supplemented by new in-kind reinforcement bars, to the approval of the engineer. Cost included with "Removal of Existing Structures No. 2".
3. For parts of existing wall interfering with the new wall, remove the wall and cut-off existing piles 1 foot (maximum) below the bottom of proposed wall concrete facing.
4. All existing piles are 16"φ concrete piles.
5. During removal of the existing retaining wall and piles, soil disturbance shall be kept at a minimum, and coordinated and approved by the Engineer.
6. Backfill behind the proposed wall, within the limits of existing structure removal, shall be with Porous Granular Embankment. Cost included with "Removal of Existing Structures. No. 2"

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structure Excavation	CU YD	84
Removal of Existing Structures No. 2	EACH	1

SHEET 2 OF 10

REVISIONS	
NAME	DATE
REVISED	04/15/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. 94 (DAN RYAN EXPRESSWAY)
RETAINING WALL ALONG LAFAYETTE AVE.
91ST ST. TO CRI&P RR
WALL 37
REMOVAL PLAN AND DETAILS

S.N. 016-W949 DESIGNED BY: MI, DJR
SCALE: N.T.S. DRAWN BY: DJR, MAF
DATE: MARCH 25, 2005 CHECKED BY: TD, MI

TY·LIN INTERNATIONAL

$TIME$ $DATE$