

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2021-922PT.1-AC	COOK	460	256
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	62693	

Bench Mark:

No. 3535. Found cross cut on Southerly flange bolt of fire hydrant at the Northeast corner of 59th St. and Wentworth Ave. El 19.31

Existing Structure:

- Cast-in-place cantiliver retaining wall E-3 on spread footing with variable height and 884'-0" long.
- Cast-in-place cantiliver retaining wall E-4 on spread footing with variable height and 875'-5 $\frac{3}{4}$ " long.

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TOTAL BILL OF MATERIAL		
Item	Unit	Quantity
Rustication Finish	Sq Ft	7515
Porous Granular Embankment	Cu Yd	4470
Porous Granular Embankment, Special	Cu Yd	230
Temporary Soil Retention System	Sq Ft	16482
Removal of Existing Structures No. 3	Each	1
Structure Excavation	Cu Yd	5040
Concrete Superstructure	Cu Yd	90
Concrete Structures	Cu Yd	1384
Protective Coat	Sq Yd	1407
Reinforcement Bars, Epoxy Coated	Pound	203330
Pipe Underdrains for Structures, 6"	Foot	717
Chain Link Fence, 42" Attached to Structure (Special)	Foot	327
Chain Link Fence, 42" Gate (Special)	Each	1
Concrete Removal	Cu Yd	6

DESIGN SPECIFICATIONS

2002 AASHTO, Standard Specifications for Highway Bridges

DESIGN STRESSES

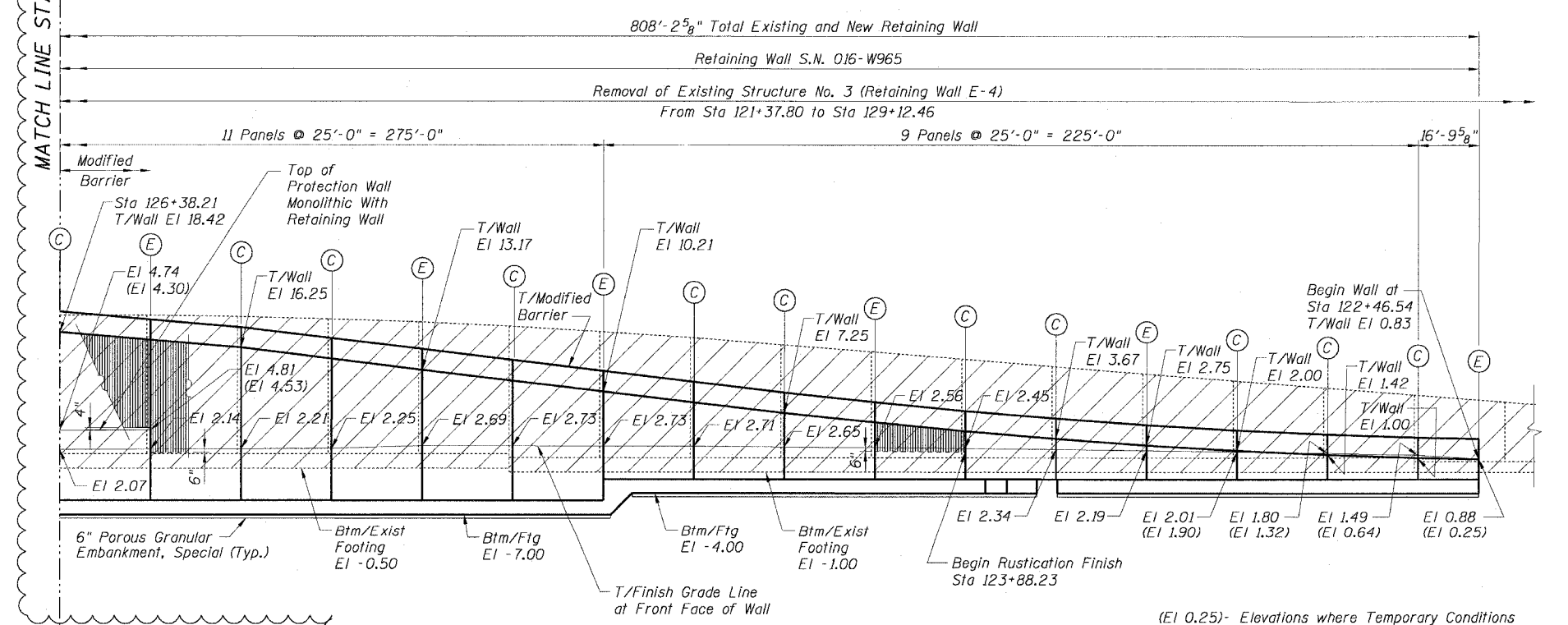
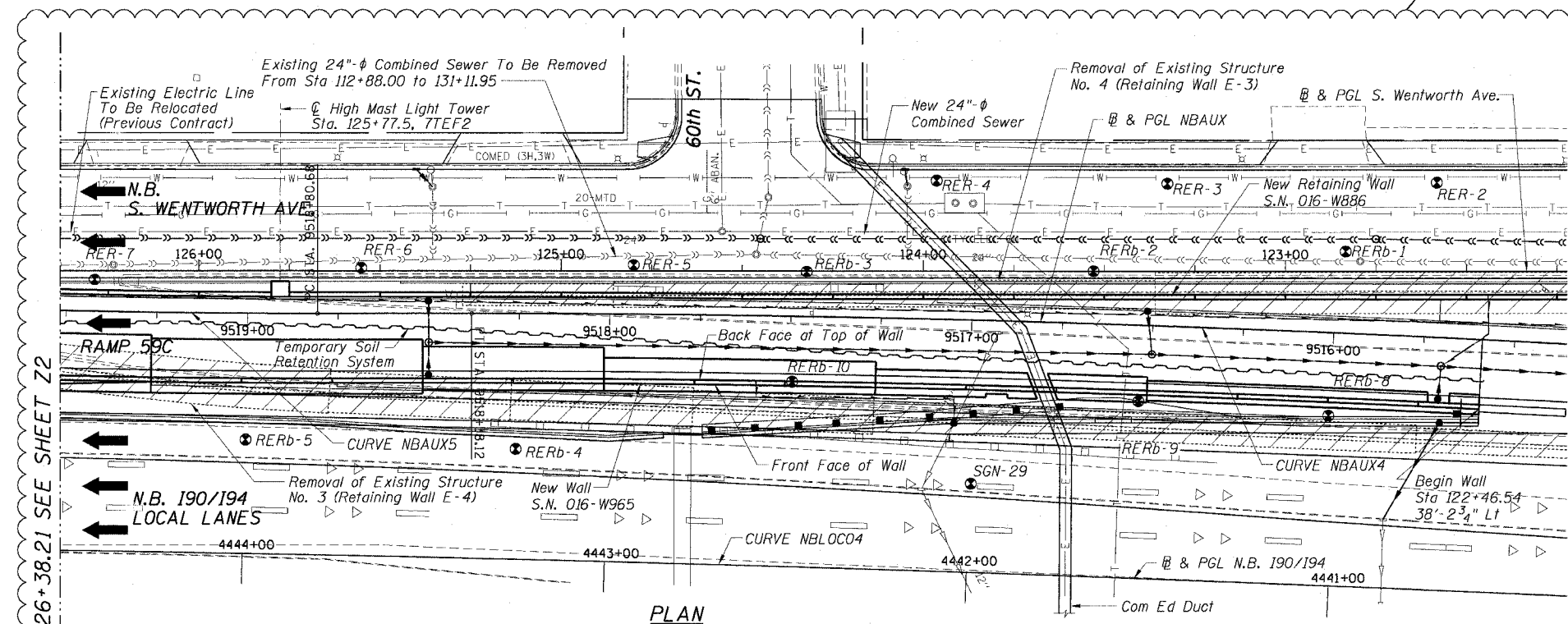
FIELD UNITS
f_c = 3,500 psi
f_y = 60,000 psi (Reinf.)

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Robert E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

NOTES:

- For General Notes see Sheet Z2.
- For Typical Sections see Sheets Z4 and Z5.
- For limits of Temporary Soil Retention System see Sheet Z13.
- For Detailed Plan & Elevation, see Sheets Z6 to Z9.
- For Wall Sections, see Sheets Z10 to Z12.
- For Boring Logs, see Sheets Z17 to Z21.
- For High Mast Light Tower Details, see LTF Sheets.
- For Chain Link Fence, 42" Attached to Structure (Special) Details, see Sheet SD1.
- For Chain Link Fence, 42" Gate (Special) Details see Sheets SD2-SD5.
- For Retaining Wall Rustication Details, see Sheet SD6.



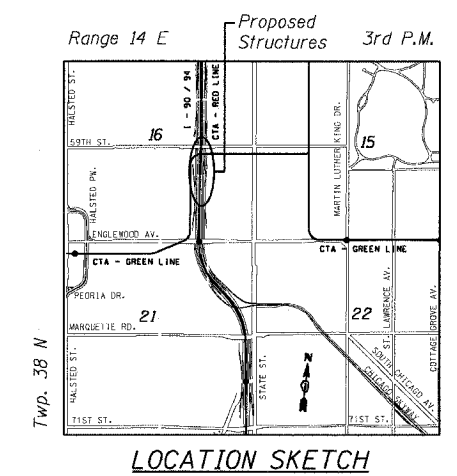
LEGEND

- (C) - Construction Joint
- (E) - Expansion Joint
- (S) - Soil Boring Location
- (Hatched) - Removal of Existing Structures
- (Shaded) - Chain Link Fence, Special
- (Arrow) - Direction of Traffic
- (Solid Line) - New Structure
- (Dashed Line) - Existing Structure

ABBREVIATIONS:

- Btm Bottom
- BF Back Face
- EF Each Face
- EW Each Way
- FF Front Face
- Ftg Footing
- Lt Left
- Sta Station
- T Top

STATE OF ILLINOIS
BRADLEY M. RADOVICH
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LICENSED STRUCTURAL ENGINEER
Bradley M. Radovich
10/29/04
EXPIRATION DATE: 11-30-2004



CTE ENGINEERS
CONSOER TOWNSEND ENVIRONMENTAL ENGINEERS, INC.
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CHICAGO, ILLINOIS 60601-5212, PHONE: (312) 938-0300

REVISIONS	
NAME	DATE
JSS	01/06/05

Sheet 21 of 21
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GENERAL PLAN I
SOUTH WENTWORTH AVENUE RETAINING WALL
WEST 59TH STREET TO WEST 63RD STREET
SECTION 2021-922 PT.1-AC
STATION 122+46.54 TO 130+53.87
COOK COUNTY S.N. 016-W887-W965
SCALE: None DRAWN BY: ET
DATE: October 29, 2004 CHECKED BY: JSS/MM