

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Bench Mark:

No. 3532 Horizontal Bolt on CTA "EL" Structure, East Side of Wells St. about fifty feet North of 59th Pl. Elev 18.84

Existing Structure:

1. Cast-in-place cantilever wall No. 1 (W-3) on spread footing, design bearing pressure of 4.0 ksf with variable height.
2. Sta. 524+54.74 to Sta. 533+88.42.
3. Partial Removal of Existing Structure No. 1 (W-3).
4. No Salvage.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2021-922PT.1-AC	COOK	460	312
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	62693	

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TOTAL BILL OF MATERIAL

Item	Unit	Quantity
Removal of Existing Structures No. 1	Each	1
Porous Granular Embankment	Cu Yd	2856
Porous Granular Embankment, Special	Cu Yd	220
Concrete Removal	Cu Yd	20
Structure Excavation	Cu Yd	5072
Concrete Structures	Cu Yd	1199
Concrete Superstructure	Cu Yd	123
Protective Coat	Sq Yd	1423
Rustication Finish	Sq Ft	6528
Reinforcement Bars, Epoxy Coated	Pound	170640
Pipe Underdrains for Structures, 6"	Foot	798
Temporary Soil Retention System	Sq Ft	8680
Chain Link Fence, 42" Attached to Structure (Special)	Foot	462
Chain Link Fence, 42" Gate (Special)	Each	1

DESIGN SPECIFICATIONS:

2002 AASHTO, Standard Specifications for Highway Bridges

DESIGN STRESSES:

FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinf.)

LEGEND:

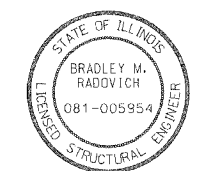
- (C) - Construction Joint
- (E) - Expansion Joint
- (S) - Soil Boring Location
- [Hatched] - Removal of Existing Structures, Retaining Wall.
- [Arrow] - Direction of Traffic
- [Chain Link Fence] - Chain Link Fence, 42" Attached to Structure (Special)
- [Solid Line] - New Structure
- [Dashed Line] - Existing Structure

ABBREVIATIONS:

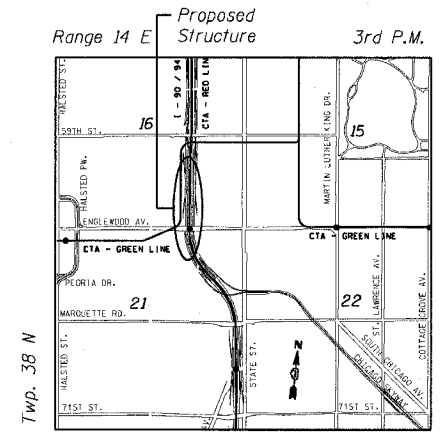
- B Bottom
- BF Back Face
- @ Baseline
- EF Each Face
- EW Each Way
- EI Elevation
- EW Each Way
- FF Front Face
- Ftg Footing
- Lt Left
- PGL Profile Grade Line
- ROW Right-of-Way
- Rt Right
- Sta Station
- T Top

NOTES:

For Curve Data see Sheet Ec2.
For General Notes see Sheet Ec3.



Brady M. Radoyich 11/24/04
EXPIRATION DATE: 11-30-2004

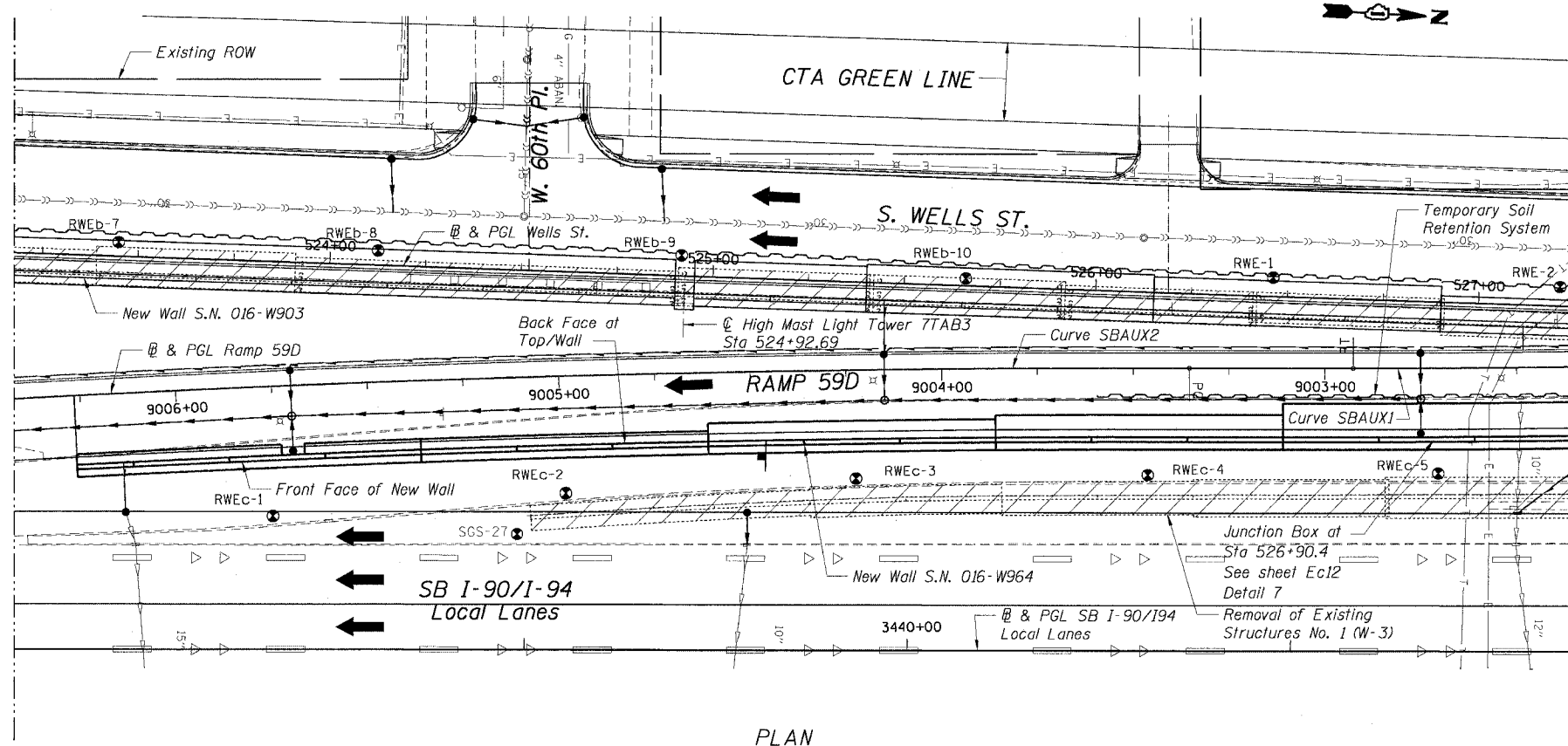


LOCATION SKETCH

Sheet Ec1 of 20

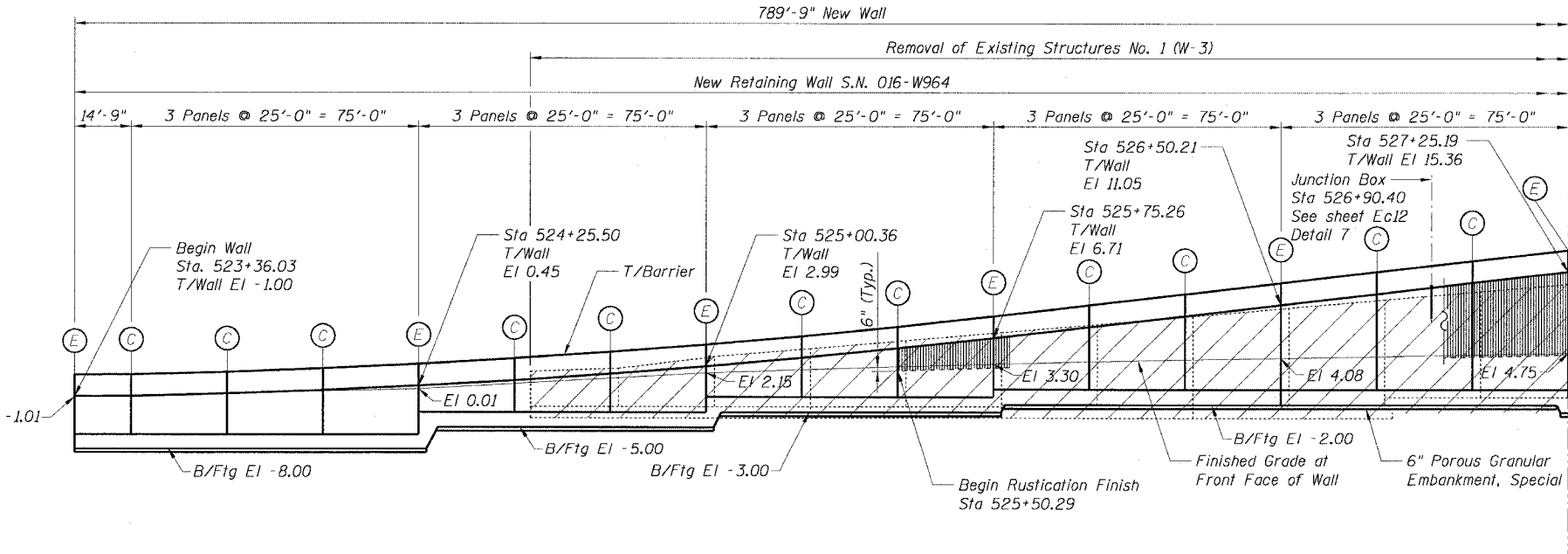
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
GENERAL PLAN I
SOUTH WELLS ST. RETAINING WALL
SECTION 2021-922PT.1-AC
STATION 523+36.03 TO STATION 533+88.42
COOK COUNTY S.N. 016-W964, 016-W894
SCALE: None DRAWN BY: KWT
DATE: October 29, 2004 CHECKED BY: CG/AJS



PLAN

MATCH LINE STA. 527+25.19 SEE SHEET Ec2



FRONT FACE ELEVATION
(Looking West)

