

**DESIGN SPECIFICATIONS**  
2002 AASHTO Standard Specifications  
for Highway Bridges

**DESIGN STRESSES**  
FIELD UNITS

f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)  
fy = 50,000 psi (ASTM A 572  
Grade 50 Sheet Piling)

**WALL TYPES**

CIP = Cast-in-place  
Sht. Pile = Permanent Sheet Piling  
with concrete facing/cap  
Block = Segmental concrete block wall

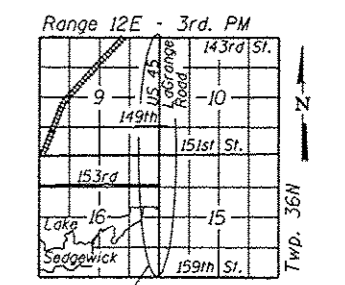
**INDEX OF SHEETS**

- 1 Key Plan & General Notes
- 2 Typical Sections & Details
- 3 Retaining Wall No. 1 - S.N. 016-2028
- 4 Retaining Wall No. 3 - S.N. 016-2029
- 5 Retaining Wall No. 4 - S.N. 016-2030
- 6 Retaining Wall No. 6 - S.N. 016-2032
- 7 Retaining Wall No. 7 - S.N. 016-2033
- 9 Retaining Wall No. 8 - S.N. 016-2034
- 10 Retaining Wall No. 9 - S.N. 016-2035
- 11 Retaining Wall No. 10 - S.N. 016-2036
- 12 Retaining Wall No. 11 - S.N. 016-2037
- 13 Retaining Wall No. 12 - S.N. 016-2038
- 14 Retaining Wall No. 14 - S.N. 016-2040
- 15 Retaining Wall No. 15 - S.N. 016-2041
- 16 Retaining Wall No. 16 - S.N. 016-2042
- 17 Retaining Wall No. 17 - S.N. 016-2043
- 18 Retaining Wall No. 18 - S.N. 016-2044
- 19 Retaining Wall No. 19 - S.N. 016-2045
- 20 Retaining Wall No. 20 - S.N. 016-2046
- 21 Retaining Wall No. 21 - S.N. 016-2047
- 21 Retaining Wall No. 22 - S.N. 016-2048
- 22 Retaining Wall No. 23 - S.N. 016-2049
- 23 Retaining Wall No. 24 - S.N. 016-2050
- 24 Retaining Wall No. 25 - S.N. 016-2051
- 25 Retaining Wall No. 26 - S.N. 016-2052
- 26-42 Soil Boring Logs

Note:  
For structure numbers 016-W001  
and 016-W002 see respective wall  
sheets following miscellaneous walls.

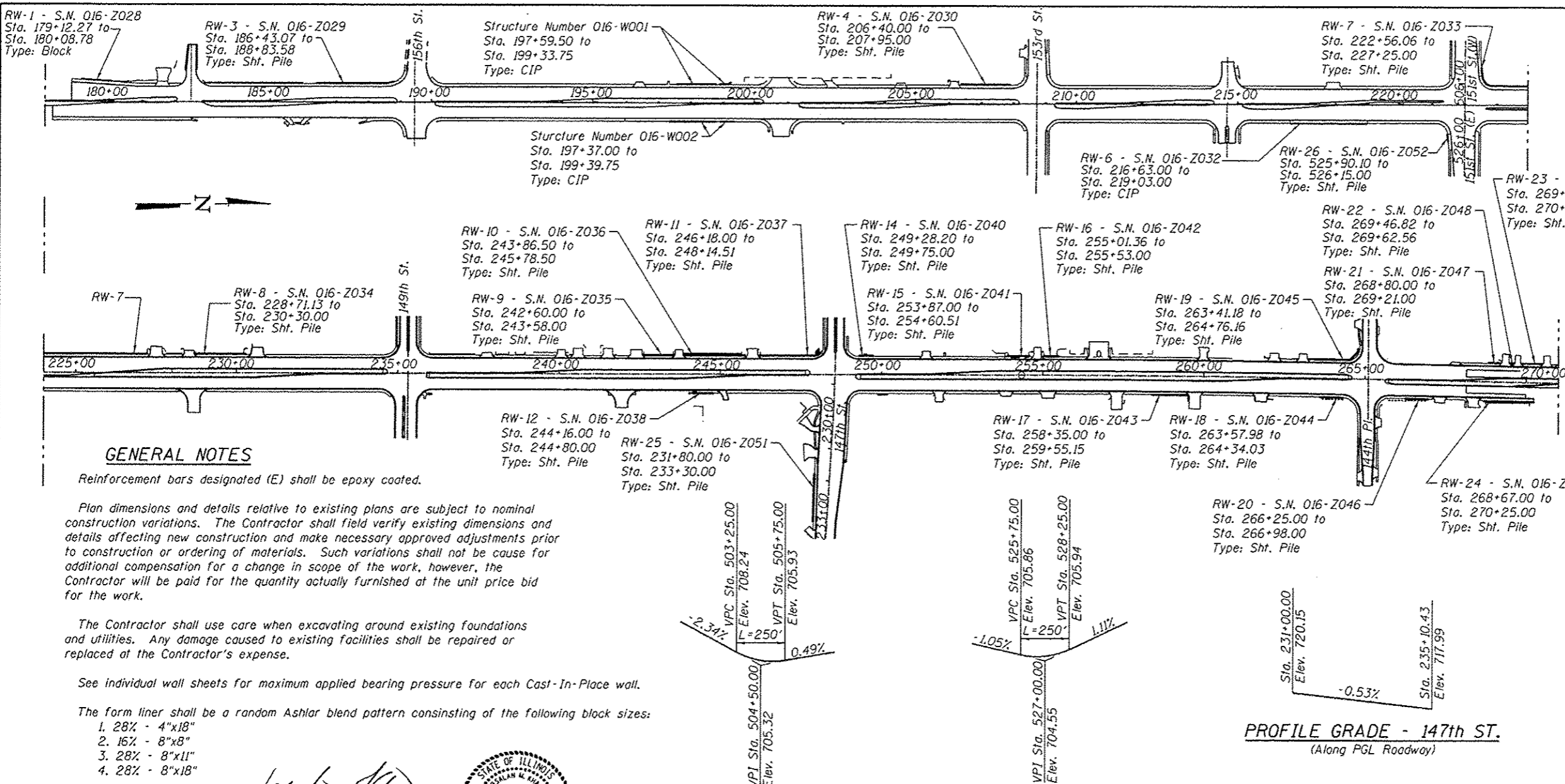
**EXISTING UTILITY LEGEND**

- A — Aerial Lines
- CTV — Cable TV
- E — Electric
- FO — Fiber Optic
- G — Gas
- S — Sanitary Sewer
- T — Telephone
- W — Water



**LOCATION SKETCH**

**KEY PLAN & GENERAL NOTES**  
**U.S. ROUTE 45 LAGRANGE ROAD**  
**FAP RTE. 330 - SEC 103R-4**  
**COOK COUNTY**



**GENERAL NOTES**

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The Contractor shall use care when excavating around existing foundations and utilities. Any damage caused to existing facilities shall be repaired or replaced at the Contractor's expense.

See individual wall sheets for maximum applied bearing pressure for each Cast-In-Place wall.

The form liner shall be a random Ashlar blend pattern consisting of the following block sizes:

1. 28% - 4"x18"
2. 16% - 8"x8"
3. 28% - 8"x11"
4. 28% - 8"x18"

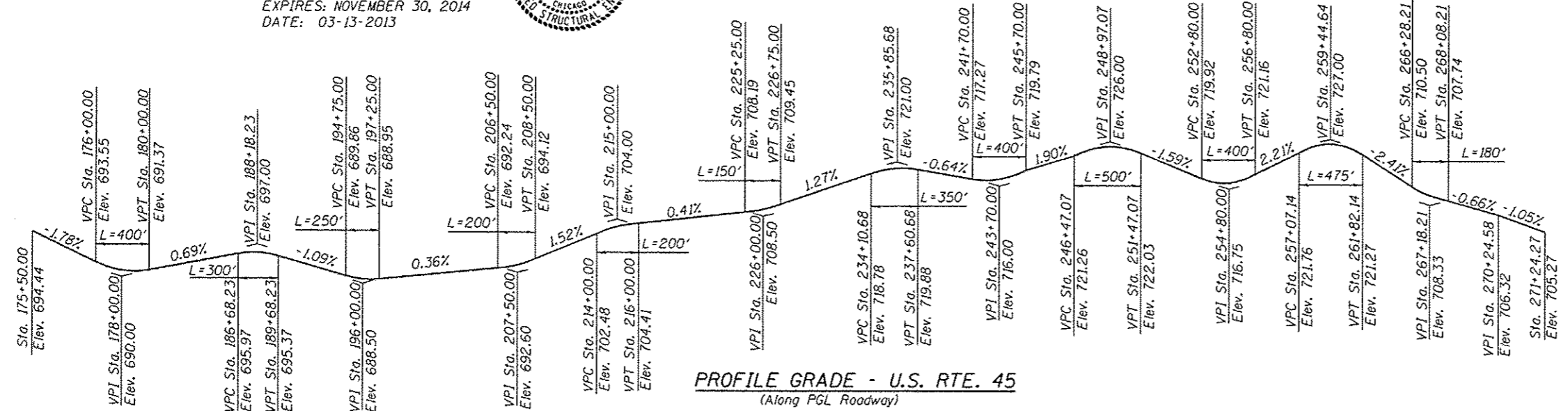
*Arsalan M. Khan*  
ARSALAN M. KHAN, S.E.  
LICENSE NO.: 081-006258  
EXPIRES: NOVEMBER 30, 2014  
DATE: 03-13-2013



**PROFILE GRADE - 151st ST.**  
(Retaining Wall 7, Along PGL Roadway)

**PROFILE GRADE - 151st ST.**  
(Retaining Wall 26, Along PGL Roadway)

**PROFILE GRADE - 147th ST.**  
(Along PGL Roadway)



**PROFILE GRADE - U.S. RTE. 45**  
(Along PGL Roadway)

FILE NAME :  
016W61-SHT-GENERAL NOTES.dgn

USER NAME : Kyle.Pearl  
DESIGNED - ML  
CHECKED - PMH  
DRAWN - ML  
PLOT DATE : 3/15/2013

REVISOR -  
REVISOR -  
REVISOR -  
REVISOR -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 42 SHEETS

F.A.P. RTE. 330	SECTION 103R-4	COUNTY COOK	TOTAL SHEETS 877	SHEET NO. 477
CONTRACT NO. 60M61			ILLINOIS FED. AID PROJECT	

FD 3-15-2013

