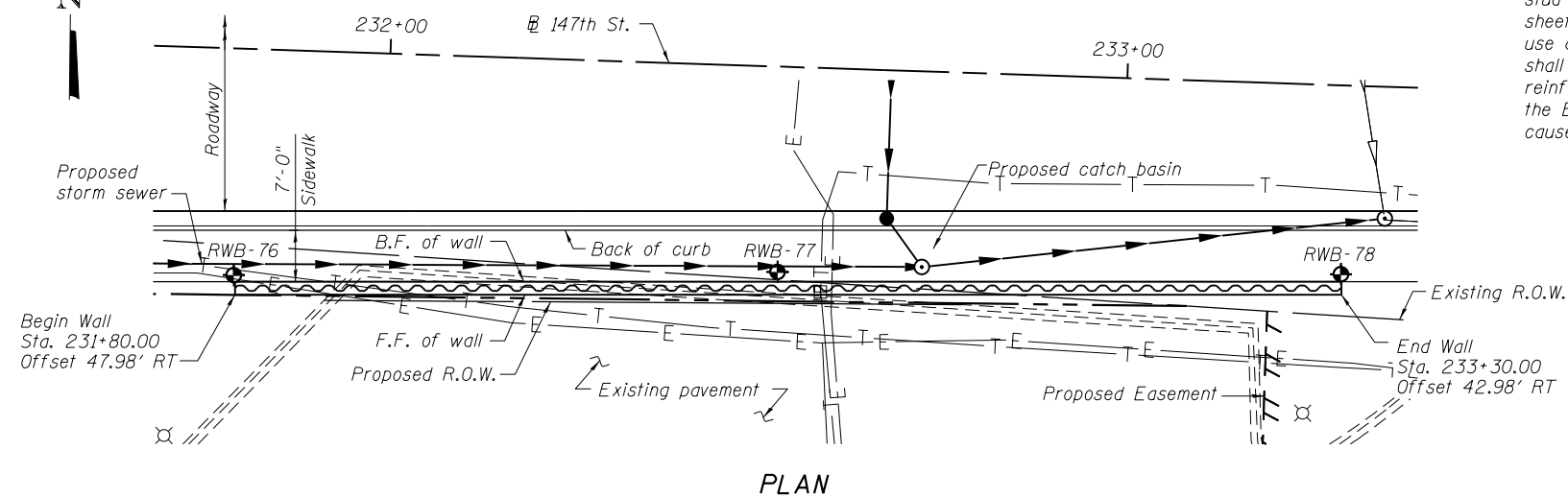
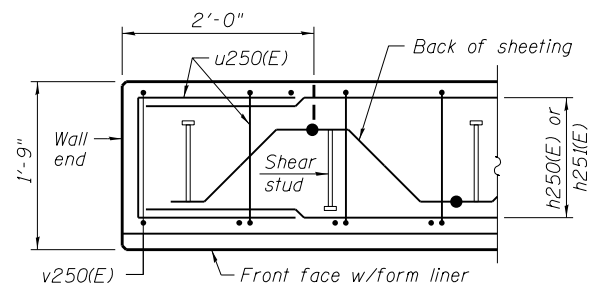


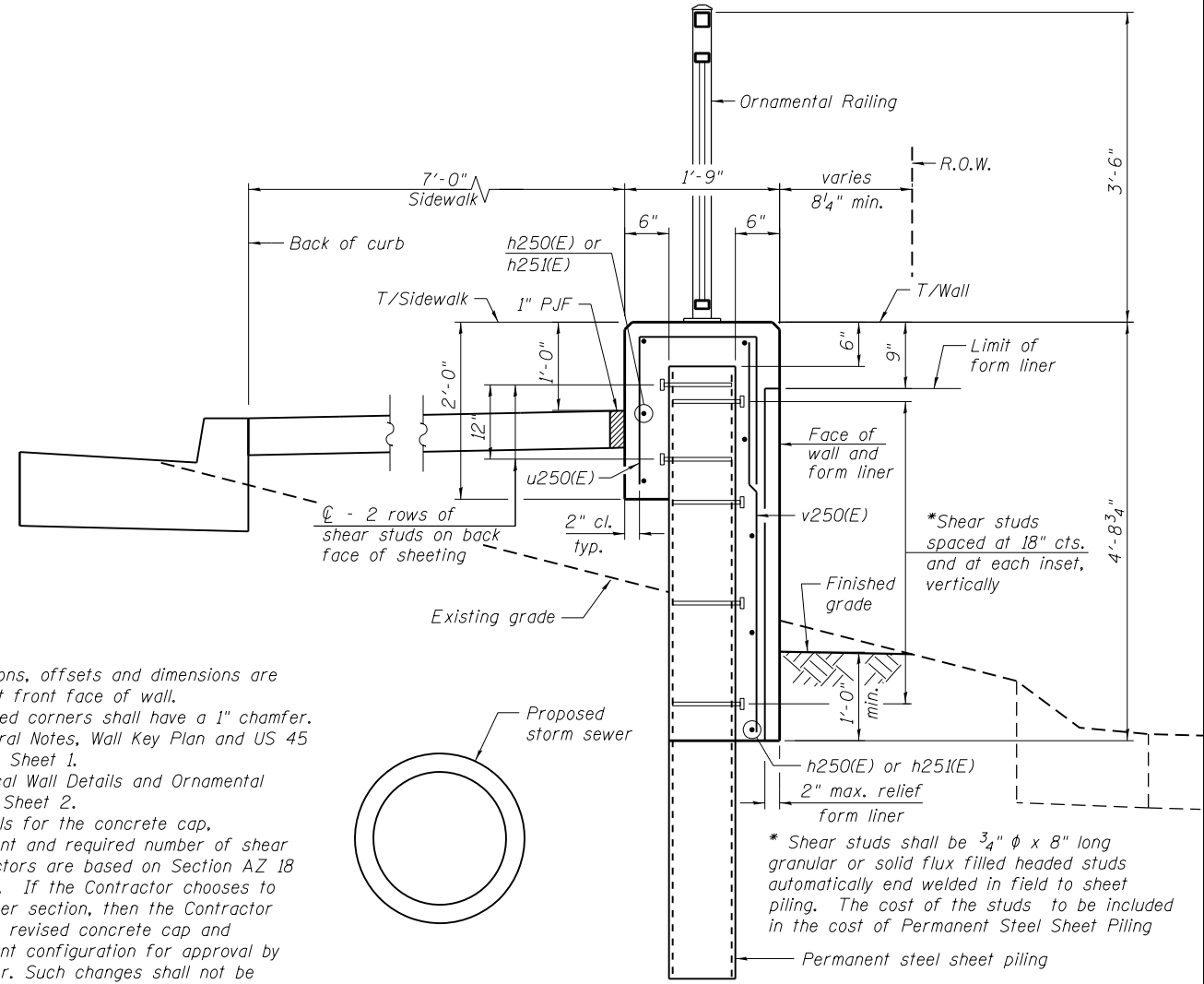
ELEVATION



PLAN



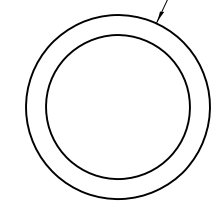
PLAN AT END OF WALL



TYPICAL SECTION THROUGH WALL

NOTES:

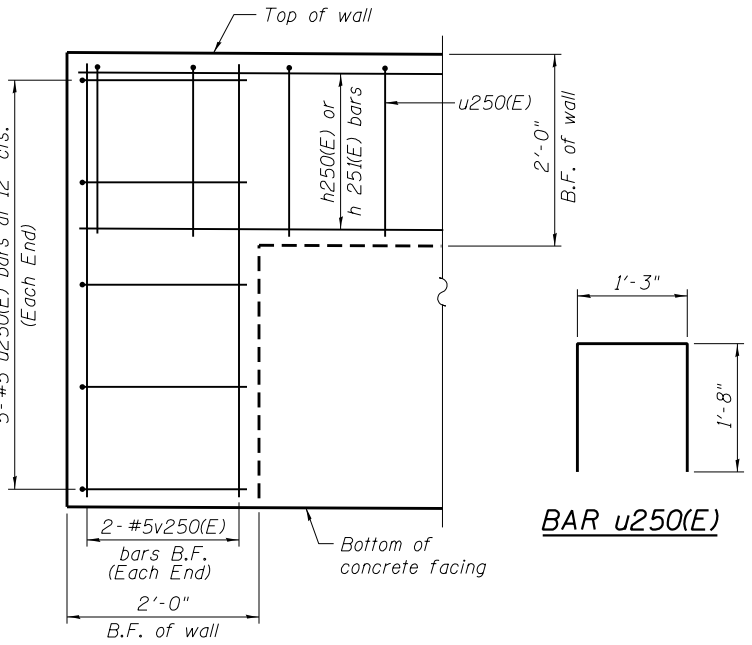
Wall stations, offsets and dimensions are measured at front face of wall.
 All exposed corners shall have a 1" chamfer.
 For General Notes, Wall Key Plan and US 45 Profile, see Sheet 1.
 For Typical Wall Details and Ornamental Railing see Sheet 2.
 The details for the concrete cap, reinforcement and required number of shear stud connectors are based on Section AZ 18 sheet piling. If the Contractor chooses to use any other section, then the Contractor shall submit revised concrete cap and reinforcement configuration for approval by the Engineer. Such changes shall not be cause for additional compensation.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h250(E)	24	#5	32'-11"	—
h251(E)	16	#5	29'-8"	—
u250(E)	163	#5	4'-7"	□
v250(E)	157	#5	4'-5"	—
Structure Excavation		Cu. Yd.	38	
Concrete Structures		Cu. Yd.	46.1	
Form Liner Textured Surface		Sq. Ft.	598	
Reinforcement Bars, Epoxy Coated		Pound	2,830	
Permanent Sheet Piling		Sq. Ft.	2,617	
Ornamental Railing		Foot	151	

Bars indicated thus 3x2-#5 etc. indicates 3 lines of bars with 2 lengths per line.



TYPICAL END CAP DETAIL

BAR u250(E)

LEGEND

- ① - Panel No.
- ⊕ - Soil Boring
- F.F. - Front Face
- B.F. - Back Face
- E.F. - Each Face

BAR LAPS

Basic Lap #5 bars - 2'-7"
 Top Bar Lap #5 bars - 2'-11"

100 S. WACKER DR.
 CHICAGO, IL 60606
 TEL (312) 939-1000
 FAX (312) 939-4998
URS

FILE NAME = D160M61-SHT-Wall_25-1.dgn
 USER NAME = Anthony.Plutz
 DESIGNED - SAT
 CHECKED - MJL
 PLOT SCALE = 25.0000' / in.
 DRAWN - AMV/SAT
 PLOT DATE = 3/14/2013
 CHECKED - MJL
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RETAINING WALL NO. 25 - S.N. 016-2051
 147th ST. STATION 231+80.00 TO 233+30.00**

SHEET NO. 24 OF 42 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-4	COOK	877	500

CONTRACT NO. 60M61
 ILLINOIS FED. AID PROJECT