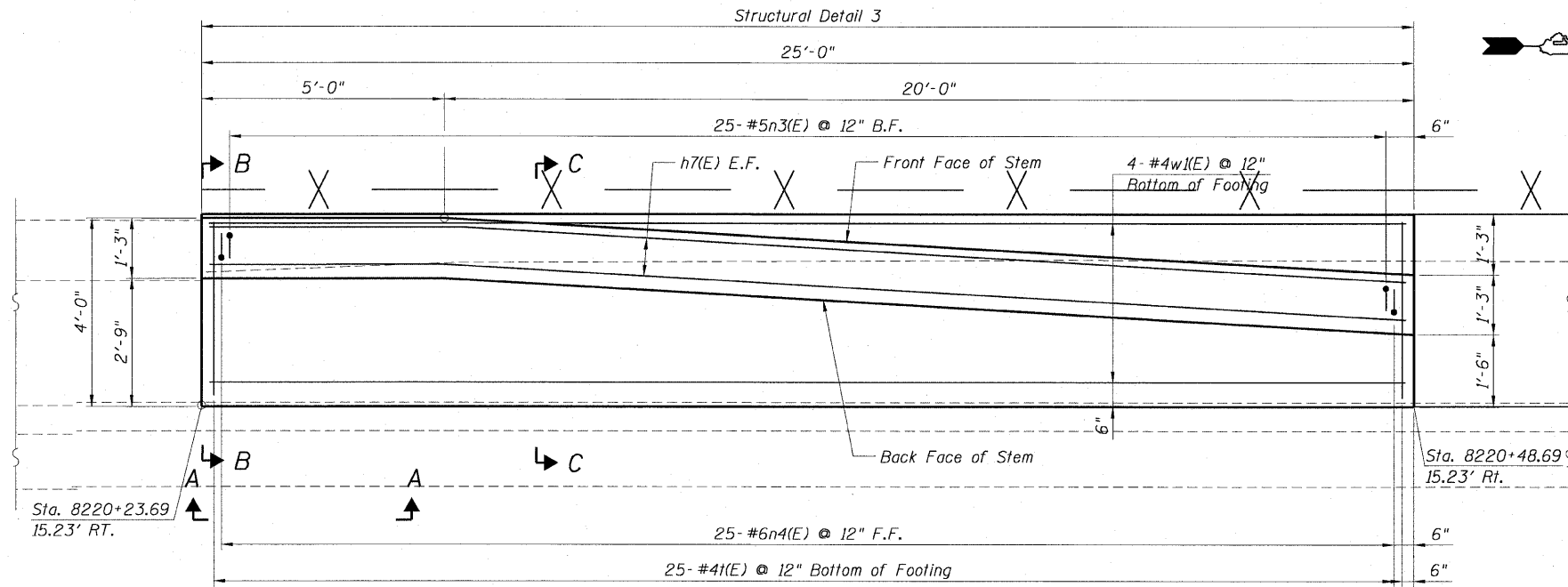
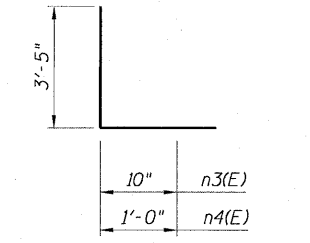
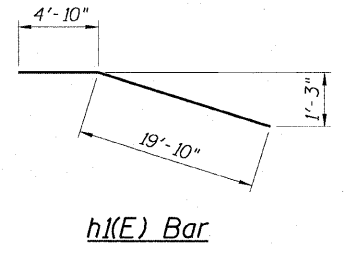


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | |
|--------------------------------|--------------------|-------------|-----------------|------------------------|
| F.A.I. R.T.E. 90/94 | SECTION | COUNTY COOK | TOTAL SHEETS 45 | SHEET NO. 38 |
| STA. 8220+23.69 | TO STA. 8220+48.69 | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS | | | | FED. AID PROJECT 62983 |
| •(1818, 1919, 1919.15) 1-11 | | | | 96042057 |



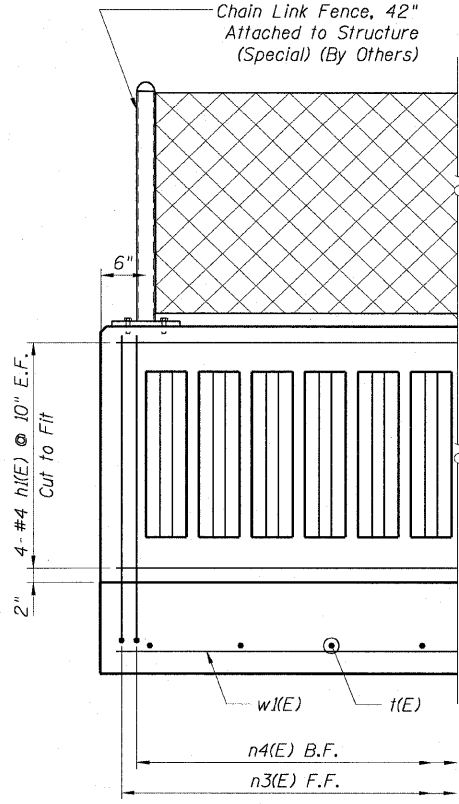
S. STATE STREET
FOOTING PLAN



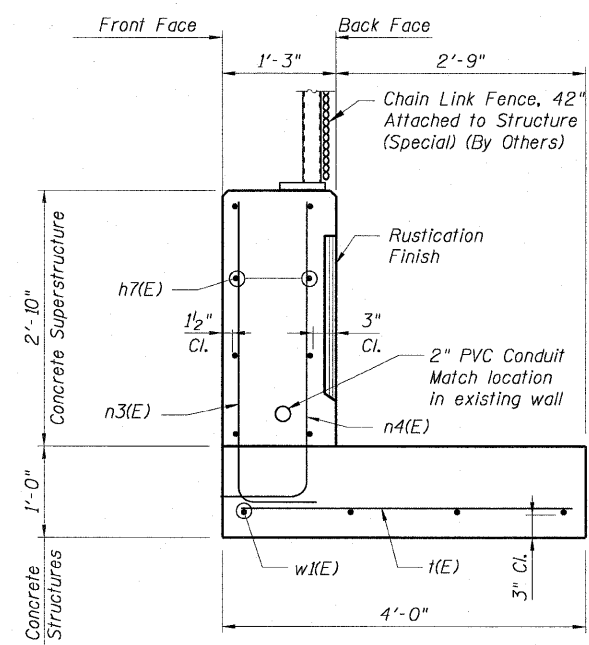
BAR LIST

| Bar | No. | Size | Length | Shape |
|-------|-----|------|--------|-------|
| h(E) | 8 | #4 | 24'-8" | |
| n3(E) | 25 | #5 | 4'-3" | |
| n4(E) | 25 | #6 | 4'-5" | |
| w(E) | 4 | #4 | 24'-8" | |
| t(E) | 25 | #4 | 3'-8" | |

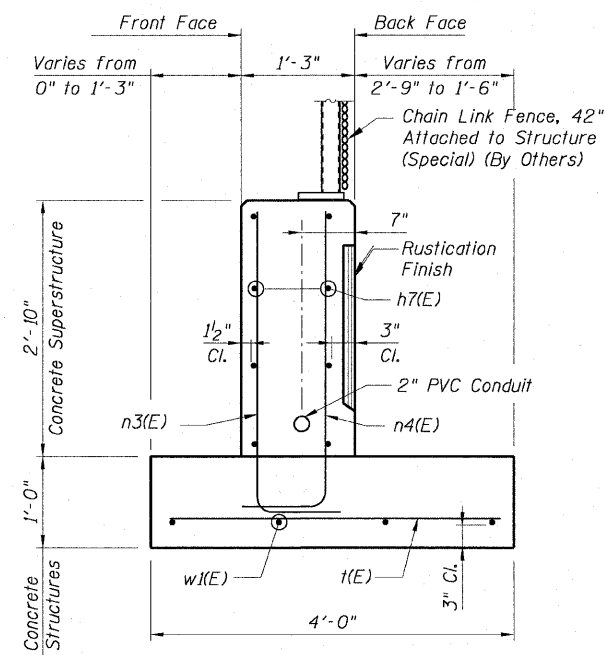
- NOTES:**
- For location of Structural Detail 3, see Civil Drawings.
 - For Typical Section and details of Fluted Knee Wall see Sheet S1 of 7.
 - Reinforcement bar shall conform to the requirements of AASHTO M-31 or M-322 Grade 60.
 - Concrete: $f'c = 3500$ psi
 - Structural Detail 3 shall be paid for per foot as "Fluted Knee Wall". Included in the cost of "Fluted Knee Wall" shall be "Concrete Superstructures" stem, "Concrete Structures" foundation, reinforcement bars (epoxy coated), rustication finish, protective coat and expansion joint filler and sealing compound.
 - At locations where Fluted Knee Wall abuts a rigid structure, a $\frac{1}{2}$ " thick preformed expansion joint filler (PJF) conforming to the shape of the structure shall be installed between the wall and the structure. $\frac{3}{4}$ " PJF shall be installed where Fluted Knee Wall footing abuts curb and gutter. The cost shall be included in "Fluted Knee Wall".
 - Protective Coat shall be applied according to Section 503.19 of the Standard Specifications to the top of stem and to the face of stem and top of footing on the Frontage Road side of the Knee Wall for Structural Detail 3.
 - Chain Link Fence will not be paid for in this Contract, but shall be furnished and installed in Contract 60B88.
 - Minimum lap for #4 bars shall be 1'-8".
 - BF = Back Face
EF = Each Face
FF = Front Face



PARTIAL ELEVATION A-A



SECTION B-B



SECTION C-C

REVISIONS

| NAME | DATE |
|------|------|
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ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
71ST ST TO 63RD ST (NORTHBOUND KNEE WALLS)
STRUCTURAL DETAIL 3
NEAR W. MARQUETTE AVENUE
(67TH STREET)
S. STATE STREET

SCALE: None
DATE: JANUARY 14, 2009

DRAWN BY: CHD/KWT
CHECKED BY: MJP

AECOM