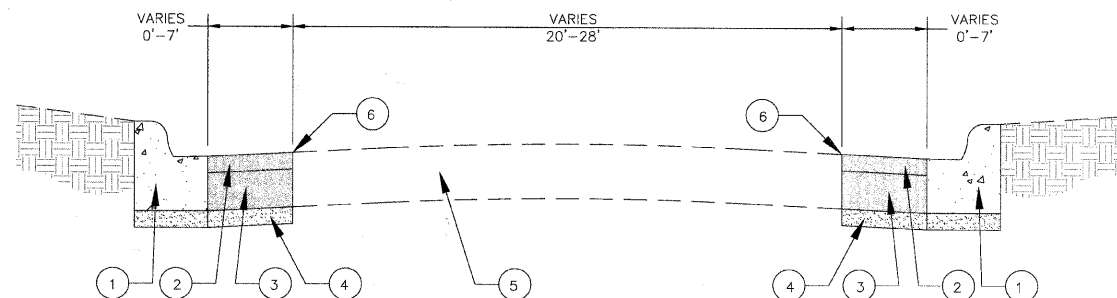


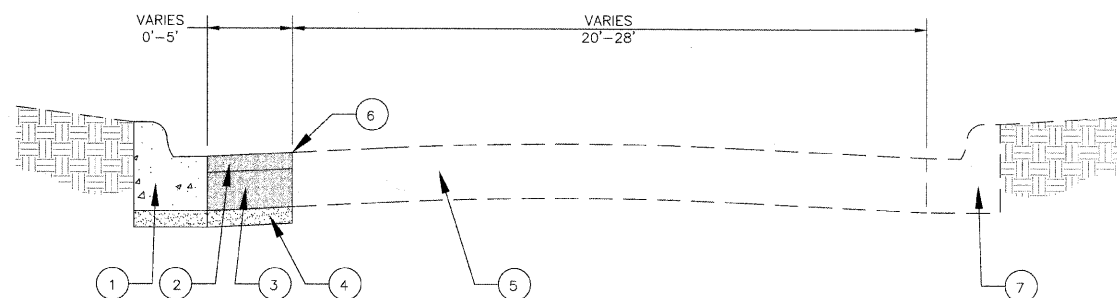
FAU RTEs.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1547, 2757	01-00024-00-SW	COOK	24	20
STA. 09+99		TO STA. 112+83		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63441				

- |  |  |
|--|--|
| 1 PROPOSED CURB & GUTTER, TYPE B6.12 (DEPRESS AT SIDEWALK)               | 4 PROPOSED SUB-BASE GRANULAR MATERIAL TYPE "B", 4" |
| 2 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE CSE, MIX "F", N90, 1 3/4" | 5 EXISTING PAVEMENT                                |
| 3 PROPOSED BASE CSE WIDENING, 6"   | 6 SAWCUT   |

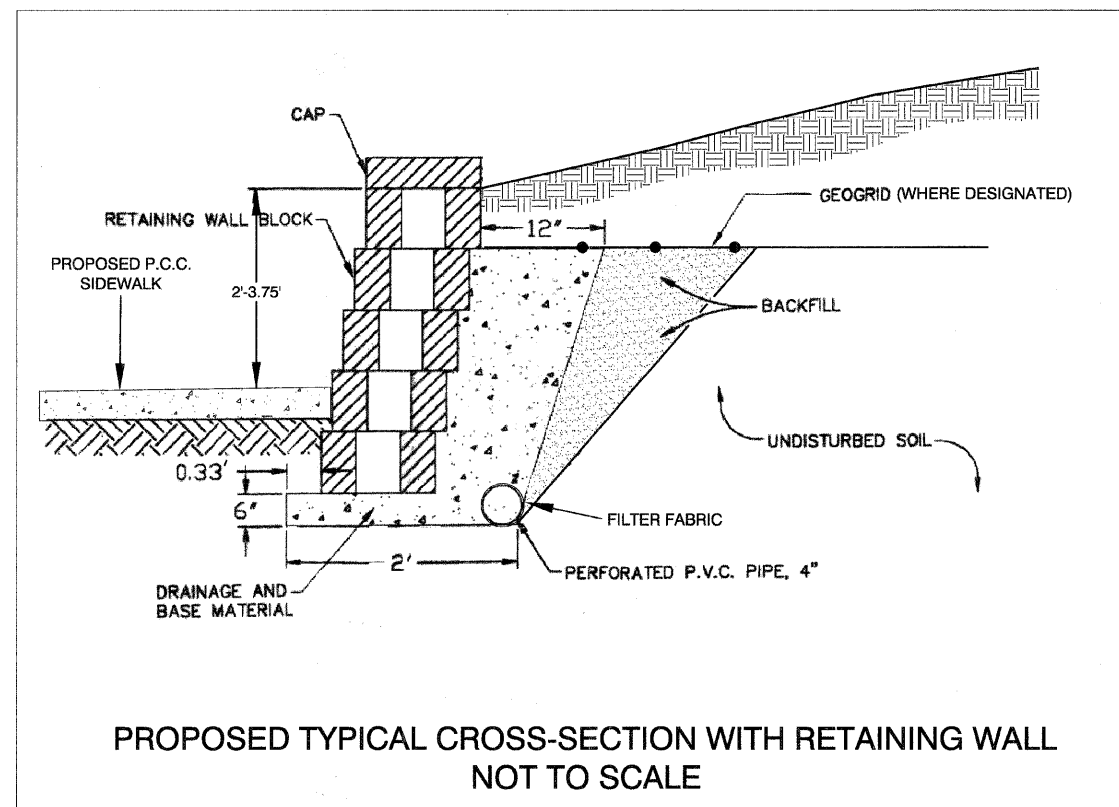
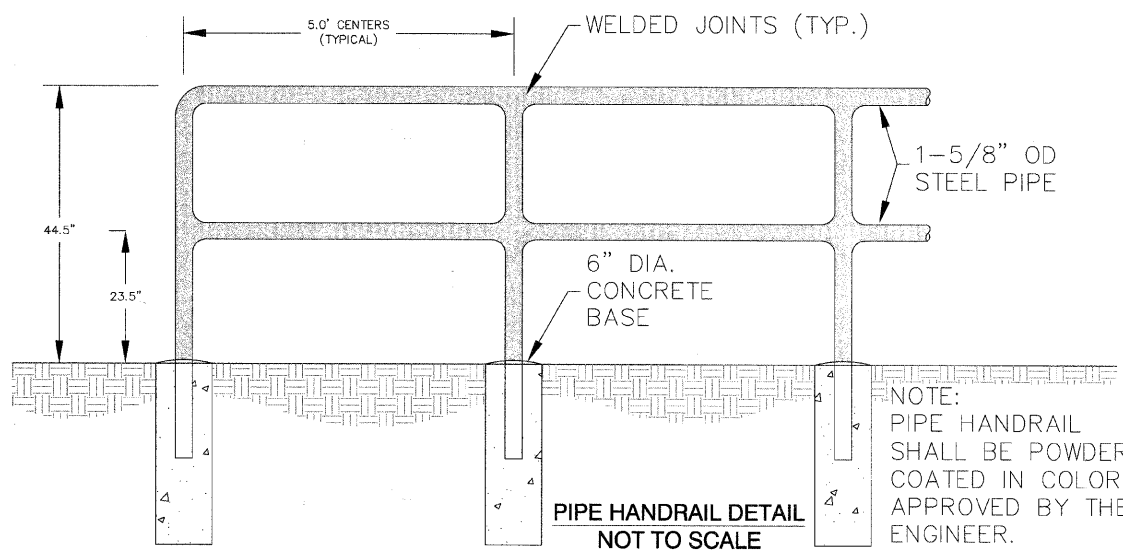


STREET RETURN DETAIL  
87th AVE, 86th CT, 86th AVE, 85th CT, 83rd ST

- |  |  |                          |
|--|--|--------------------------|
| 1 PROPOSED CURB & GUTTER, TYPE B6.12 (DEPRESS AT SIDEWALK)               | 4 PROPOSED SUB-BASE GRANULAR MATERIAL TYPE "B", 4" | 7 EXISTING CURB & GUTTER |
| 2 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE CSE, MIX "F", N90, 1 3/4" | 5 EXISTING PAVEMENT                                |                          |
| 3 PROPOSED BASE CSE WIDENING, 6"   | 6 SAWCUT   |                          |



STREET RETURN DETAIL  
87th CT, 85th AVE, 84th CT



PROPOSED TYPICAL CROSS-SECTION WITH RETAINING WALL  
NOT TO SCALE

HOT-MIX ASPHALT MIXTURE REQUIREMENTS CHART	
MIXTURE TYPE	AIR VOIDS AT Ndes
<b>DRIVEWAYS</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX 'C', N50 (IL 9.5), 1 1/2"	4% AT 50 GYR
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm), 2 1/4"	4% AT 50 GYR
<b>PAVEMENT WIDENING</b>	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5mm); 1 3/4"	4% AT 90 GYR
HMA BASE COURSE (HMA BINDER IL-19mm); 6" (IN TWO LIFTS)	4% AT 90 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

REVISIONS	
NAME	DATE
JMH PER REVIEW	02-28-10
ECC PER REVIEW	05-11-10
JMH PER REVIEW	12-01-10
JMH PER REVIEW	03-24-11

ILLINOIS DEPARTMENT OF TRANSPORTATION  
VILLAGE OF JUSTICE  
79th STREET & ROBERTS ROAD  
SIDEWALK CONSTRUCTION  
STREET RETURN, PIPE HANDRAIL,  
& RETAINING WALL DETAILS

DATE: 12/03/09

DRAWN BY: MH  
CHECKED BY: SAL

**hbe** **Hoeffler-Butler Engineering, Inc.**  
Consulting Civil Engineers - Land Surveyors  
PROFESSIONAL DESIGN FIRM LICENSE NO. 084-000819  
8714 S. ROBERTS ROAD HOCKEY HILLS, ILLINOIS 60437  
(708) 599-8980 FAX (708) 599-8790