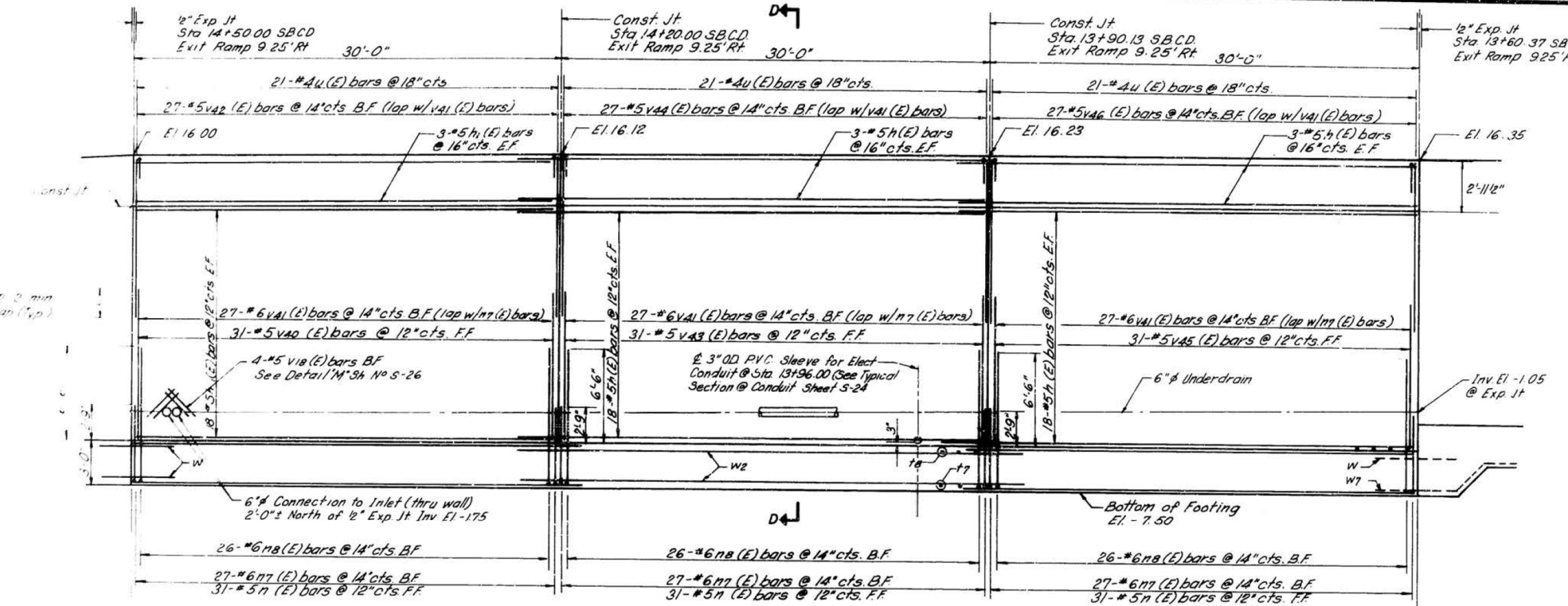


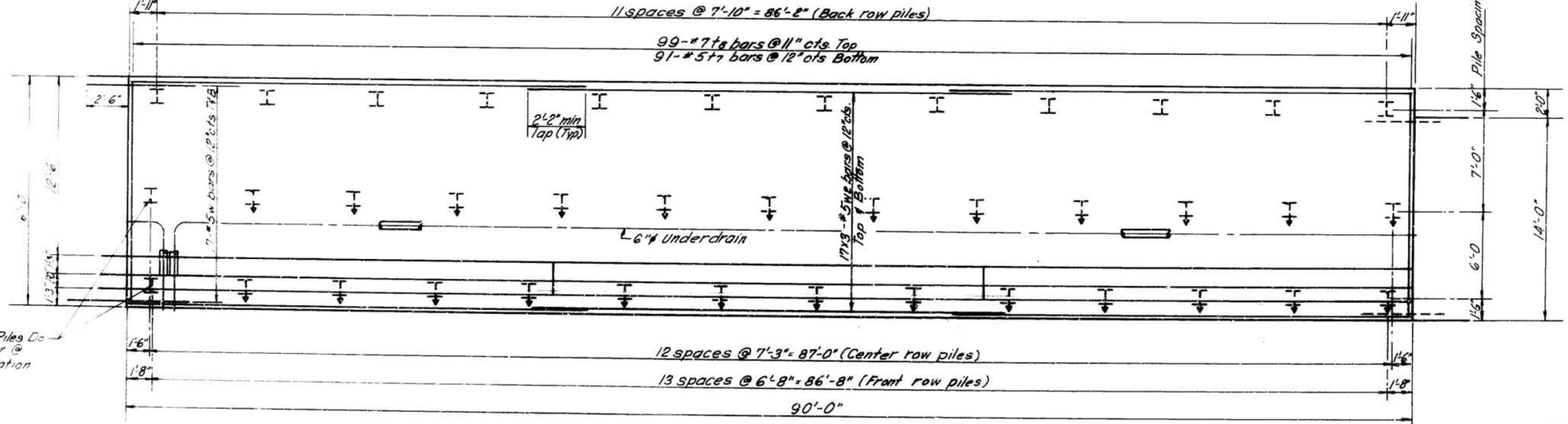
FOR INFORMATION ONLY

FEDERAL AID ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90194		COOK	81	52
STA.	TO STA.			
FED. AID DIST. NO.	ILLINOIS	FED. AID PROJECT		

* 2226.6-P-R-3
2626.2-28-DM
C10.6-P-RIGS1



ELEVATION



PLAN

For notes see Sheet No. S-13.

SHEET S-16 OF S-27



Name	Date

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.L. ROUTE 90/94 (DAN RYAN EXPRESSWAY)
SECTIONS 2226.6-P-R-3, 2626.2-28-DM
AND C10.6-P-RIGS-COOK COUNTY
POLK STREET BRIDGE DEMOLITION AND
RETAINING WALL NO. 12 PLAN AND ELEVATION
(STA. 14+50.00 TO 13+60.37 S.B.C.D.-EXIT RAMP)

Scale: None
Date: 5-07

Drawn By: P.V.V.
Checked By: G.S.F.

ENVIRONMENTAL SERVICES INC.
Chicago, Illinois

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PLOT DATE = 5/12/2017

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DRAWN -	ATB	REVISED -	
CHECKED -		REVISED -	
DATE -	05/15/2017	REVISED -	

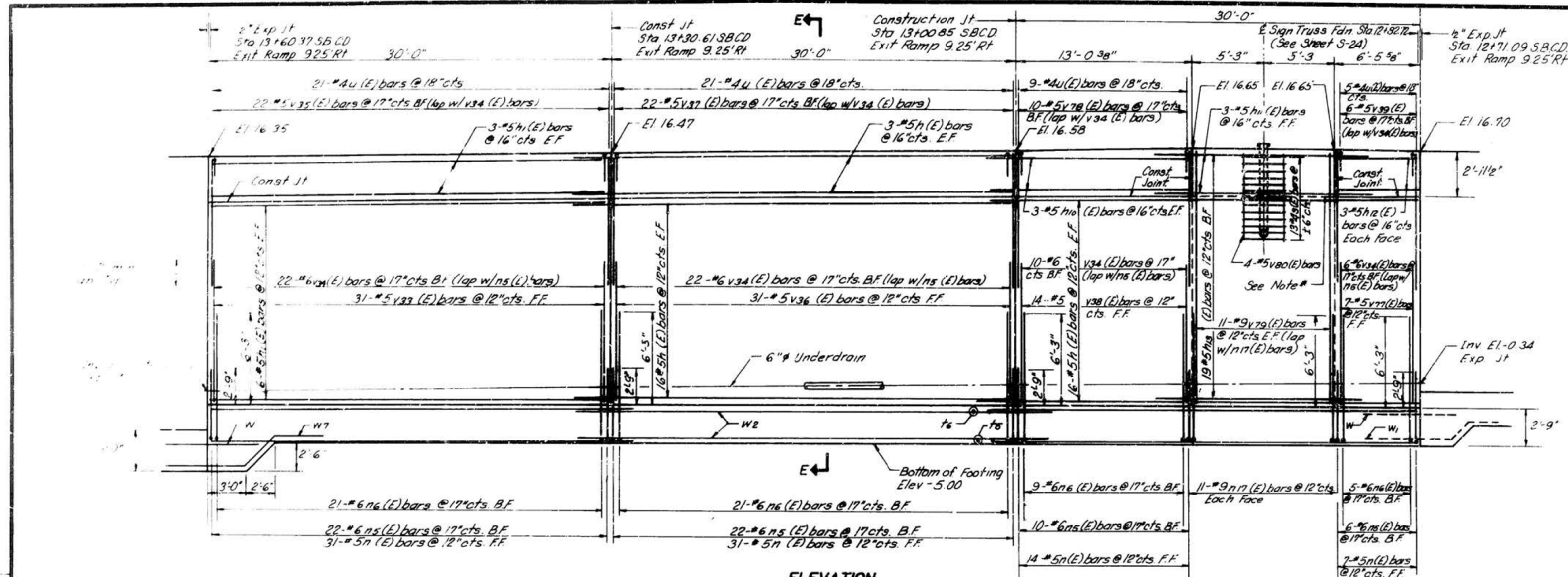
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RETAINING WALL 12 PLANS

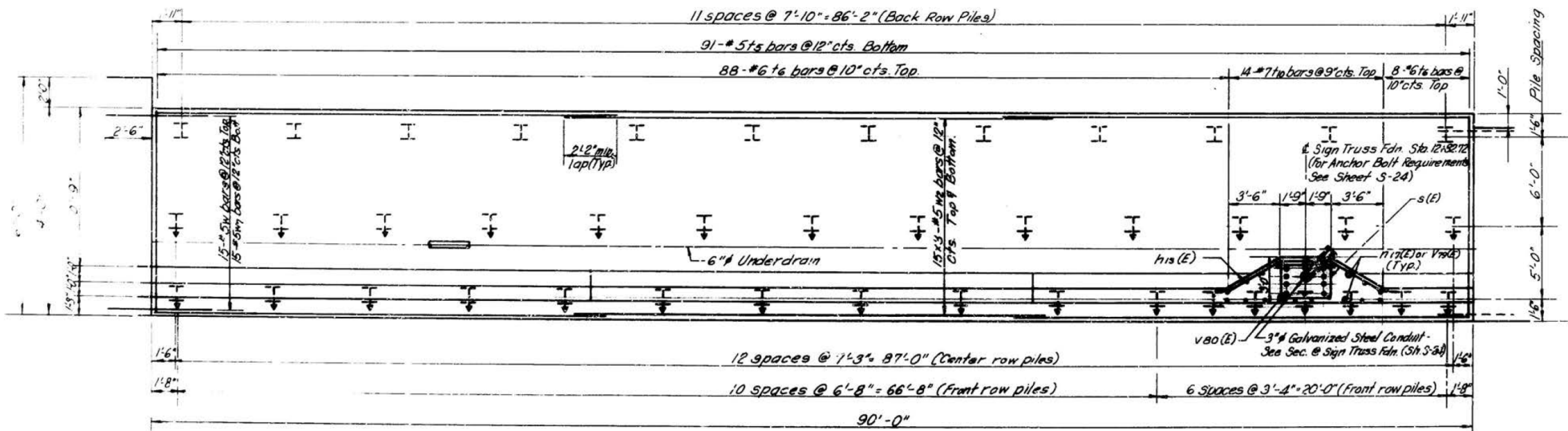
SCALE: SHEET 5 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	201
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



ELEVATION



PLAN

FEDERAL AID ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2015-022-1	COOK	81	53
STA.	TO STA.			
	ILLINOIS FED. AID PROJECT			
* 2528.0-P-R-3 2626.2-28-DM UO.6-P-R165)				

*Note: Construction Joint 2'-11/2" below top of wall shall not be continued thru section of wall supporting Sign Truss. Finished appearance of front face of wall in this section shall be the same as that in adjacent sections of wall.

For notes see Sheet No. S-13.

SHEET S-17 OF S-27

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)
SECTIONS 2528.0-P-R-3, 2626.2-28-DM
AND UO.6-P-R165-COOK COUNTY
POLK STREET BRIDGE DEMOLITION AND
RETAINING WALL NOS. 8, 11, AND 12
RETAINING WALL NO. 12 PLAN AND ELEVATION
(STA. 13+60.37 TO 12+71.09 S.B.C.D. EXIT RAMP)

Scale: None
Date: 5-87

Drawn By: P.V.V.
Checked By: G.S.P.

SHAW-WHITE ENGINEERS INC.
Chicago, Illinois

Name	Date



D162A74-SHT-EX-RW12-06.dgn
USER NAME = FloresG
PLOT SCALE = 0:2.0000 '1' / in.
PLOT DATE = 5/12/2017

DESIGNED - HA	REVISED -
DRAWN - ATB	REVISED -
CHECKED -	REVISED -
DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RETAINING WALL 12 PLANS

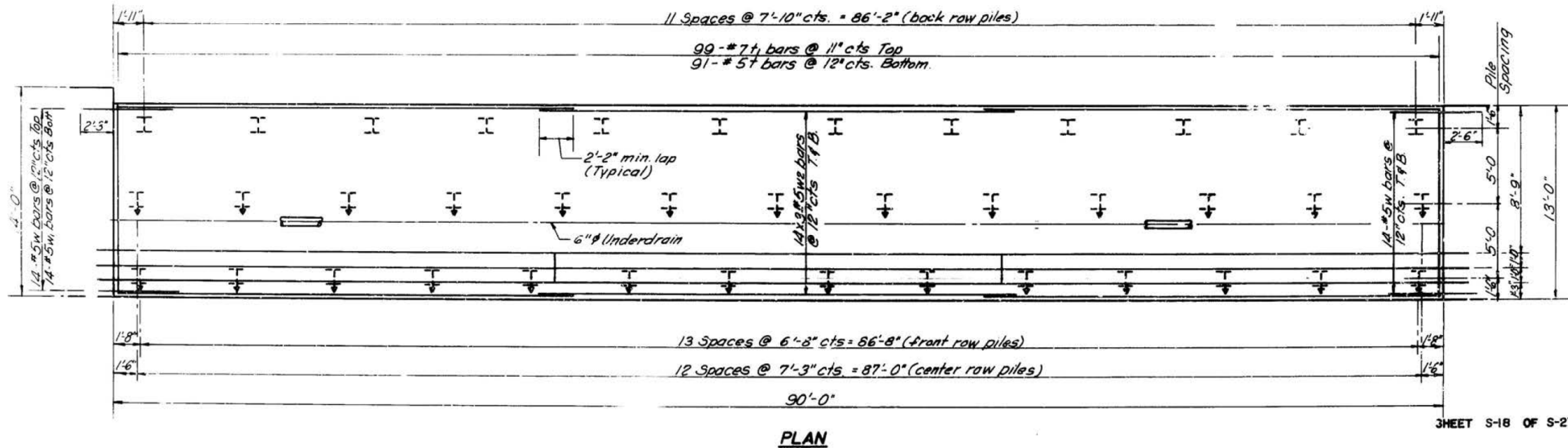
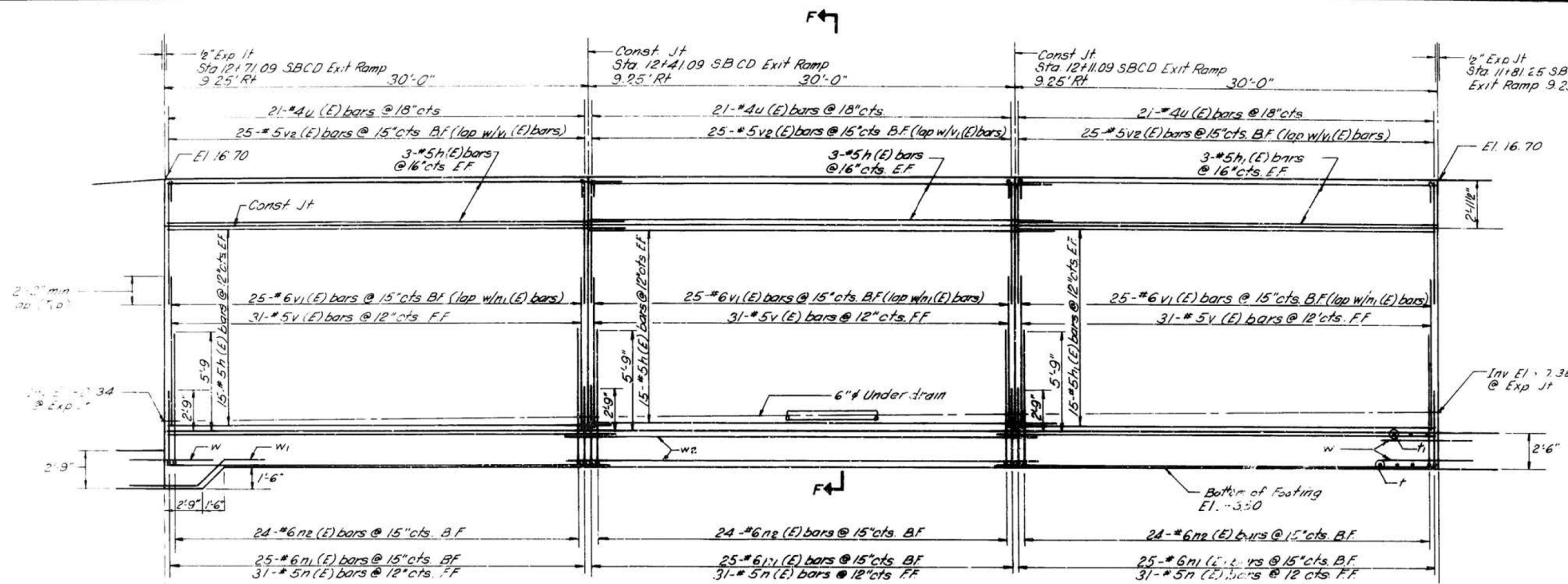
SCALE: SHEET 6 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	202
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

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FOR INFORMATION ONLY

FEDERAL AID ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	275	54
STA.		TO STA.		
1181.25 SBCD Exit Ramp		1181.25 SBCD Exit Ramp		
FED. RD. DIST. NO.	ILLINOIS	FED. AID PROJECT		
2226.6-P-R-3		001.6-P-RHS		



For notes see Sheet No. S-13.

SHEET S-18 OF S-27

REVISIONS	
Name	Date

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)
 SECTIONS 2226.6-P-R-3, 2226.2-2B-DM
 AND 001.6-P-RHS-COOK COUNTY
 POLK STREET BRIDGE DEMOLITION AND
 RETAINING WALL NOS. 8, 11, AND 12
 RETAINING WALL NO. 12 PLAN AND ELEVATION
 (STA. 12+71.09 TO 11+81.25 S.B.C.D. EXIT RAMP)

Scale: None
 Date: 5-07
 Drawn By: P.V.V.
 Checked By: G.S.P.

ENVIRONMENTAL ENGINEERS INC.
 Chicago, Illinois



D162A74-SHT-EX-RW12-07.dgn
 USER NAME = FloresG
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 PLOT DATE = 5/12/2017

DESIGNED -	HA	REVISED -	
DRAWN -	ATB	REVISED -	
CHECKED -		REVISED -	
DATE -	05/15/2017	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

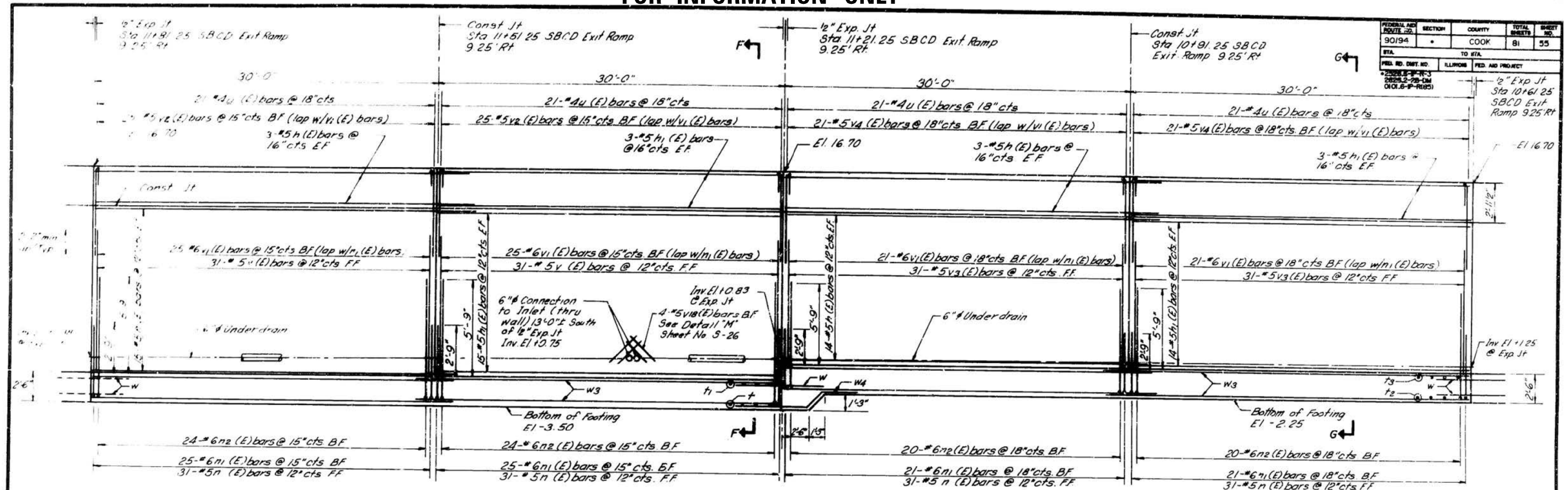
EXISTING RETAINING WALL 12 PLANS
 SCALE: SHEET 7 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	203
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

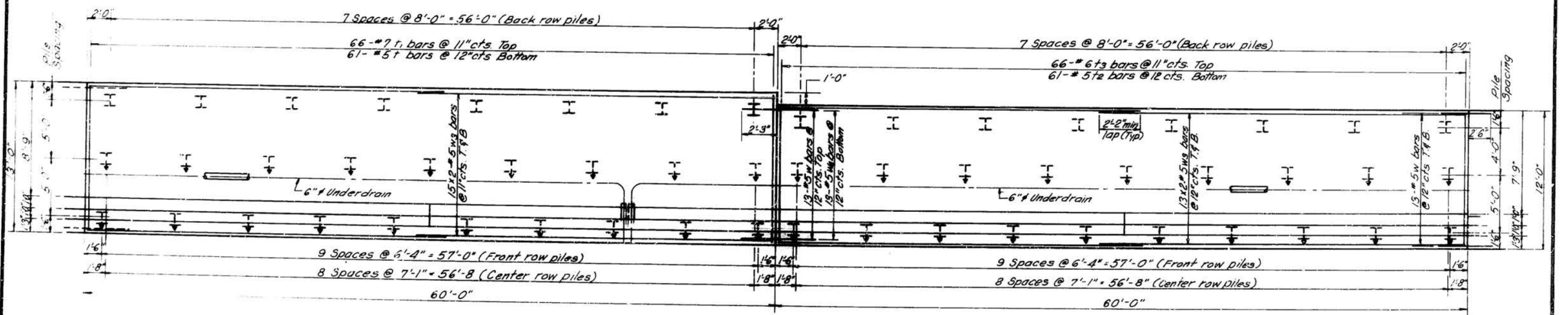
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FOR INFORMATION ONLY

FEDERAL AID DISTRICT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	81	55
STA. TO STA.				
ILLINOIS FED. AID PROJECT				



ELEVATION



PLAN

For notes see Sheet No. S-13.

SHEET S-19 OF S-27



REVISIONS	
Name	Date

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)
 SECTIONS 2015-022-1, 2015-022-2, 2015-022-3, 2015-022-4, 2015-022-5, 2015-022-6, 2015-022-7, 2015-022-8, 2015-022-9, 2015-022-10, 2015-022-11, 2015-022-12, 2015-022-13, 2015-022-14, 2015-022-15, 2015-022-16, 2015-022-17, 2015-022-18, 2015-022-19, 2015-022-20, 2015-022-21, 2015-022-22, 2015-022-23, 2015-022-24, 2015-022-25, 2015-022-26, 2015-022-27, 2015-022-28, 2015-022-29, 2015-022-30, 2015-022-31, 2015-022-32, 2015-022-33, 2015-022-34, 2015-022-35, 2015-022-36, 2015-022-37, 2015-022-38, 2015-022-39, 2015-022-40, 2015-022-41, 2015-022-42, 2015-022-43, 2015-022-44, 2015-022-45, 2015-022-46, 2015-022-47, 2015-022-48, 2015-022-49, 2015-022-50, 2015-022-51, 2015-022-52, 2015-022-53, 2015-022-54, 2015-022-55, 2015-022-56, 2015-022-57, 2015-022-58, 2015-022-59, 2015-022-60, 2015-022-61, 2015-022-62, 2015-022-63, 2015-022-64, 2015-022-65, 2015-022-66, 2015-022-67, 2015-022-68, 2015-022-69, 2015-022-70, 2015-022-71, 2015-022-72, 2015-022-73, 2015-022-74, 2015-022-75, 2015-022-76, 2015-022-77, 2015-022-78, 2015-022-79, 2015-022-80, 2015-022-81, 2015-022-82, 2015-022-83, 2015-022-84, 2015-022-85, 2015-022-86, 2015-022-87, 2015-022-88, 2015-022-89, 2015-022-90, 2015-022-91, 2015-022-92, 2015-022-93, 2015-022-94, 2015-022-95, 2015-022-96, 2015-022-97, 2015-022-98, 2015-022-99, 2015-022-100

RETAINING WALL NO. 12 PLAN AND ELEVATION
 (STA. 11+81.25 TO 10+61.25 S.B.C.D. EXIT RAMP)

Scale: None
 Date: 5-07
 Drawn By: P.V.V.
 Checked By: G.S.P.
 ENGINEERING BUSINESS INC.
 Chicago, Illinois

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 PLOT DATE = 5/12/2017

DESIGNED -	HA	REVISED -	
DRAWN -	ATB	REVISED -	
CHECKED -		REVISED -	
DATE -	05/15/2017	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

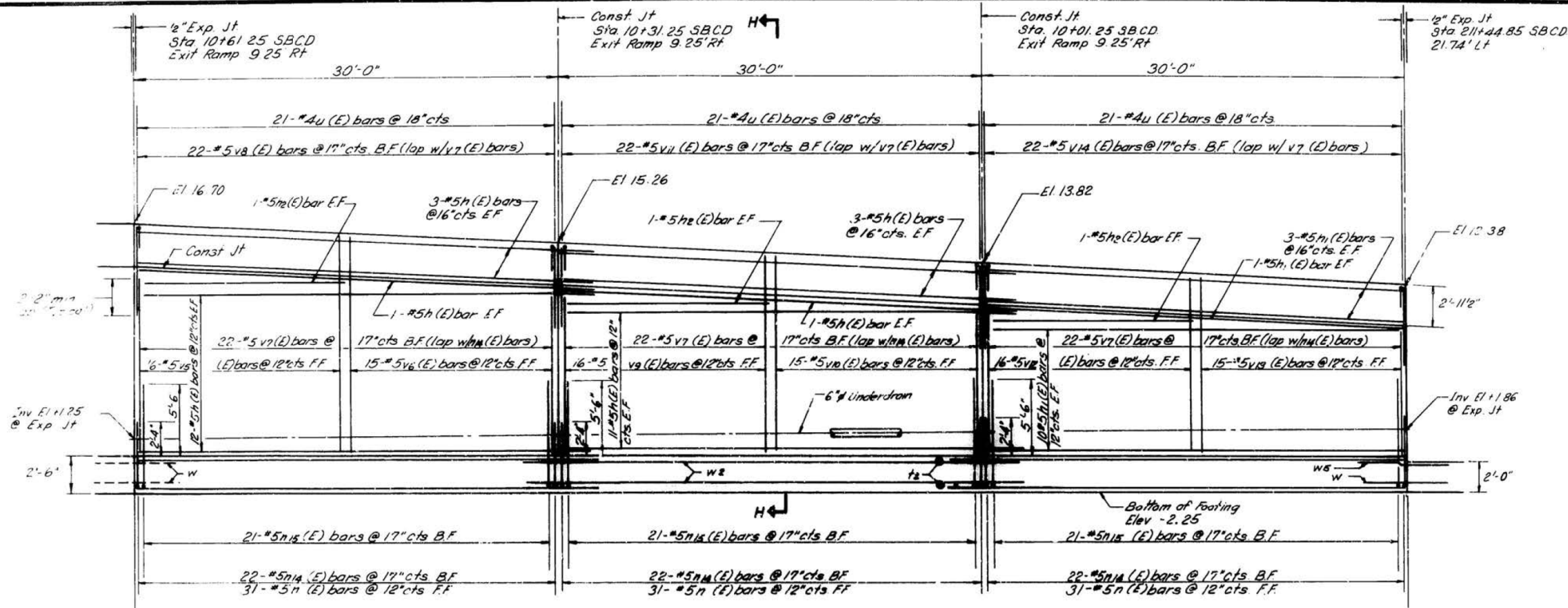
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SCALE: SHEET 8 OF 15 SHEETS STA. TO STA.

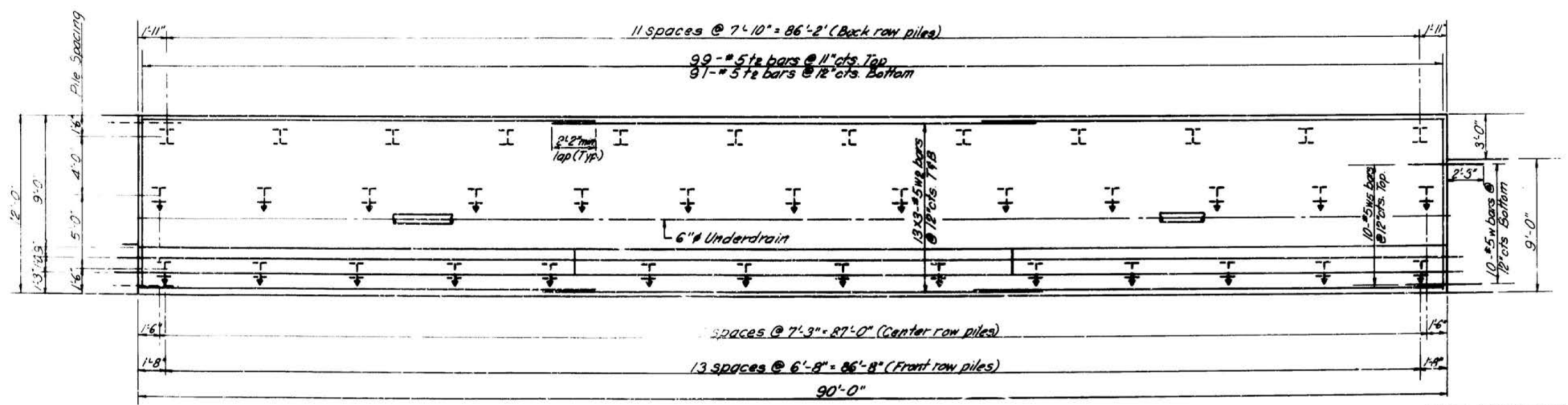
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	204
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

SECTION AND SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	81	56
STA. TO STA.		FED. AID PROJECT		
2028.6-P-R-3		2028.2-28-0M		
010.6-P-RIBS				



ELEVATION



PLAN

For notes see Sheet No. 13.

SHEET S-20 OF S-27

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 5094 (DAN RYAN EXPRESSWAY)
 SECTIONS 2015-022-1, 2015-022-2, 2015-022-3, 2015-022-4, 2015-022-5, 2015-022-6, 2015-022-7, 2015-022-8, 2015-022-9, 2015-022-10, 2015-022-11, 2015-022-12
 RETAINING WALL NOS. 8, 11, AND 12
 STA. 10+8.25 S.B.C.D. EXT. RAMP TO STA. 11+44.85 S.B.C.D.
 Scale: None
 Date: 5-07
 Drawn By: P.V.V.
 Checked By: G.S.P.
 ENGINEERING DESIGNERS INC.
 Chicago, Illinois

Name	Date



D162A74-SHT-EX-RW12-09.dgn
 USER NAME = FloresG
 PLOT SCALE = 0:2.0000 '1' / in.
 PLOT DATE = 5/12/2017

DESIGNED - HA	REVISED -
DRAWN - ATB	REVISED -
CHECKED -	REVISED -
DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING RETAINING WALL 12 PLANS

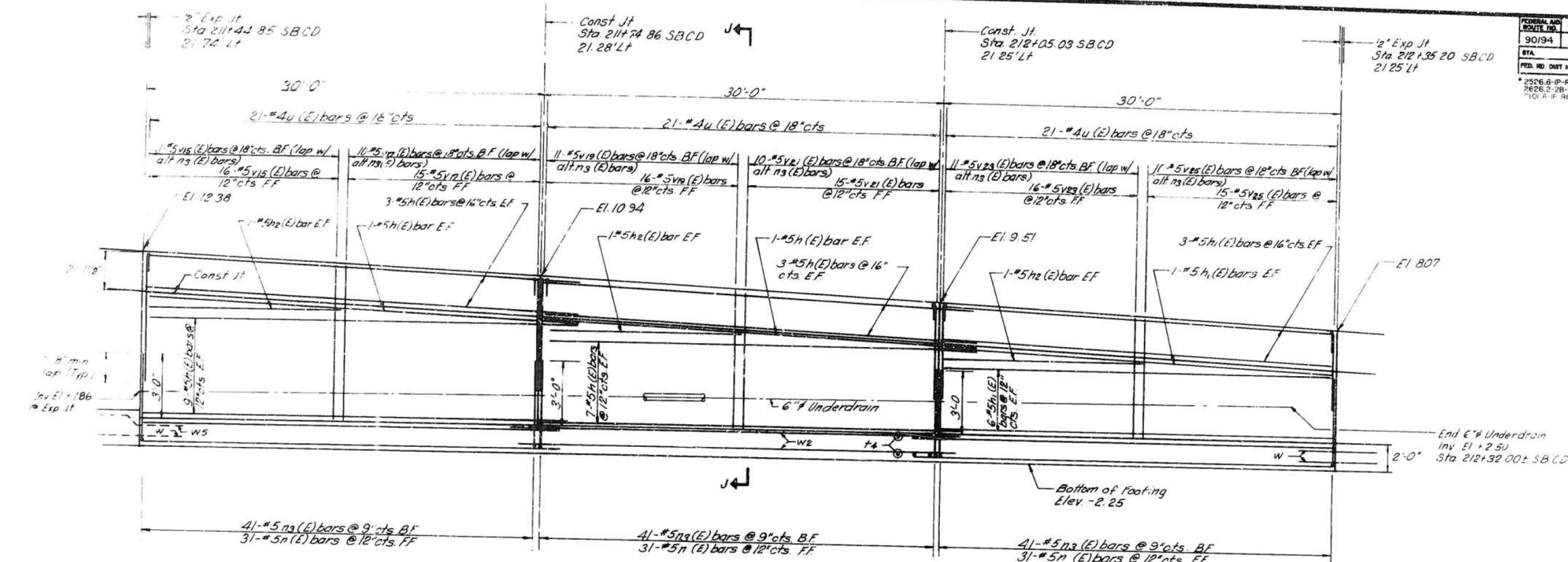
SCALE: SHEET 9 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	205
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

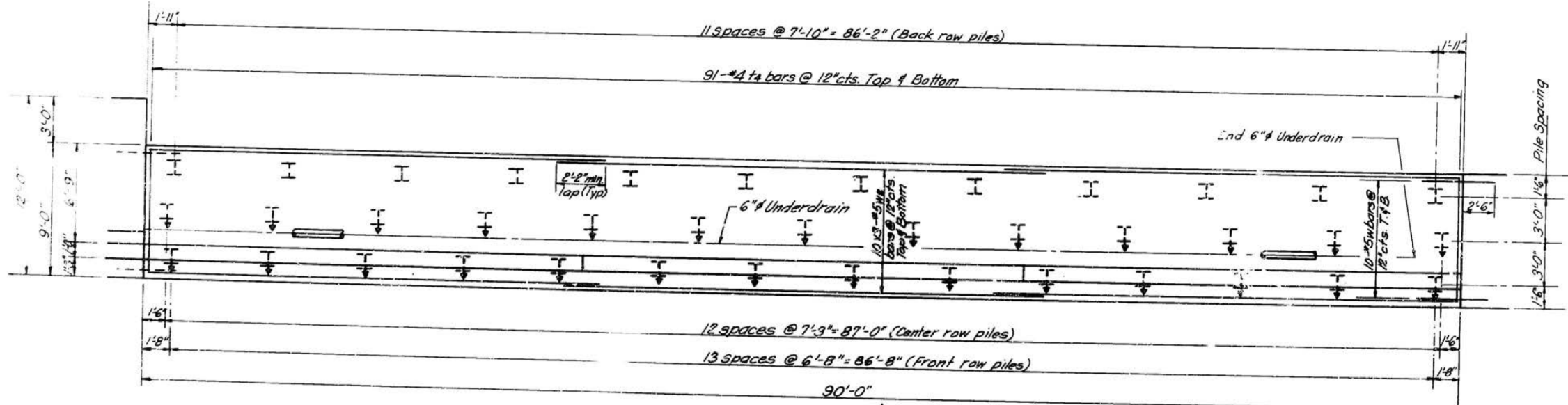
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FOR INFORMATION ONLY

FEDERAL AID ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90194		COOK	81	57
STA. TO STA.				
212+44.85 TO 212+35.20				
FED. AID PROJECT				
2526.8-P-R-1 2626.2-2B-DV 101.6-P-RIB				



ELEVATION



PLAN

For notes see Sheet No. S-13.

SHEET S-21 OF S-27



REVISIONS	
Name	Date

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 90194 (DAN RYAN EXPRESSWAY)
 SECTIONS 2526.8-P-R-3, 2626.2-2B-DV
 AND 101.6-P-RIBS-COOK COUNTY
 POLK STREET BRIDGE DEMOLITION AND
 RETAINING WALL NOS. 8, 11, AND 12
 RETAINING WALL NO. 12 PLAN AND ELEVATION
 (STA. 21+44.85 TO 212+35.20 S.B.C.D.)
 Scale: None
 Date: 5-87
 Drawn By: P.V.V.
 Checked By: G.S.P.
 ENVIRONMENTAL ENGINEERS INC.
 Chicago, Illinois

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DRAWN - ATB	REVISED -
CHECKED -	REVISED -
DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

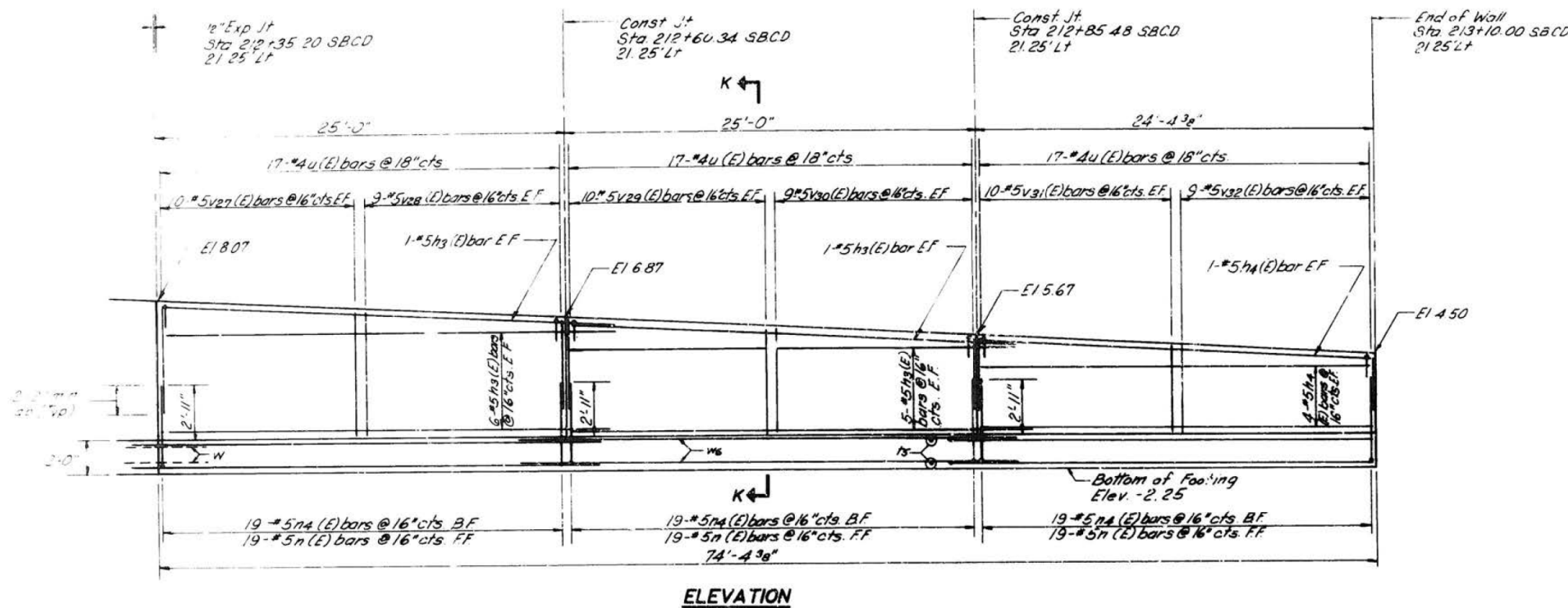
EXISTING RETAINING WALL 12 PLANS

SCALE: SHEET 10 OF 15 SHEETS STA. TO STA.

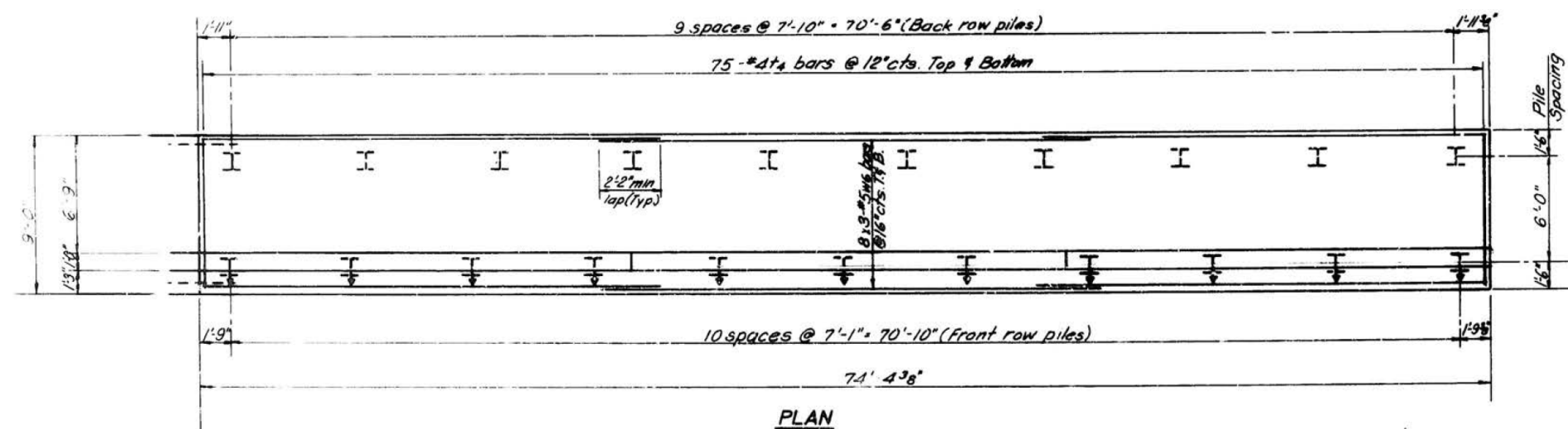
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90194/290	2015-022-1	COOK	275	206
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	FED. AID	COUNTY	SHEETS	NO.
90/94	*	COOK	81	58
STA.	TO STA.			
	ILLINOIS		FED. AID PROJECT	
*2526.6-P-R-3 2526.2-2B-DM 0101.6-P-R185				



ELEVATION



PLAN

For notes see Sheet No. S-13.



SHEET S-22 OF S-27

REVISIONS	
NO.	DATE

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)
 SECTIONS 2526.6-P-R-3, 2526.2-2B-DM
 AND 0101.6-P-R185-COOK COUNTY
 POLK STREET BRIDGE DEMOLITION AND
 RETAINING WALL NOS. 9, 11, AND 12
 (STA. 212-35.20 TO 213+10.00 S.B.C.D.)
 Scale: None
 Date: 6-07
 Drawn By: P.V.V.
 Checked By: G.S.P.
 ENGINEERING INC.
 Chicago, Illinois

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DRAWN -	ATB	REVISED -	
CHECKED -		REVISED -	
DATE -	05/15/2017	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

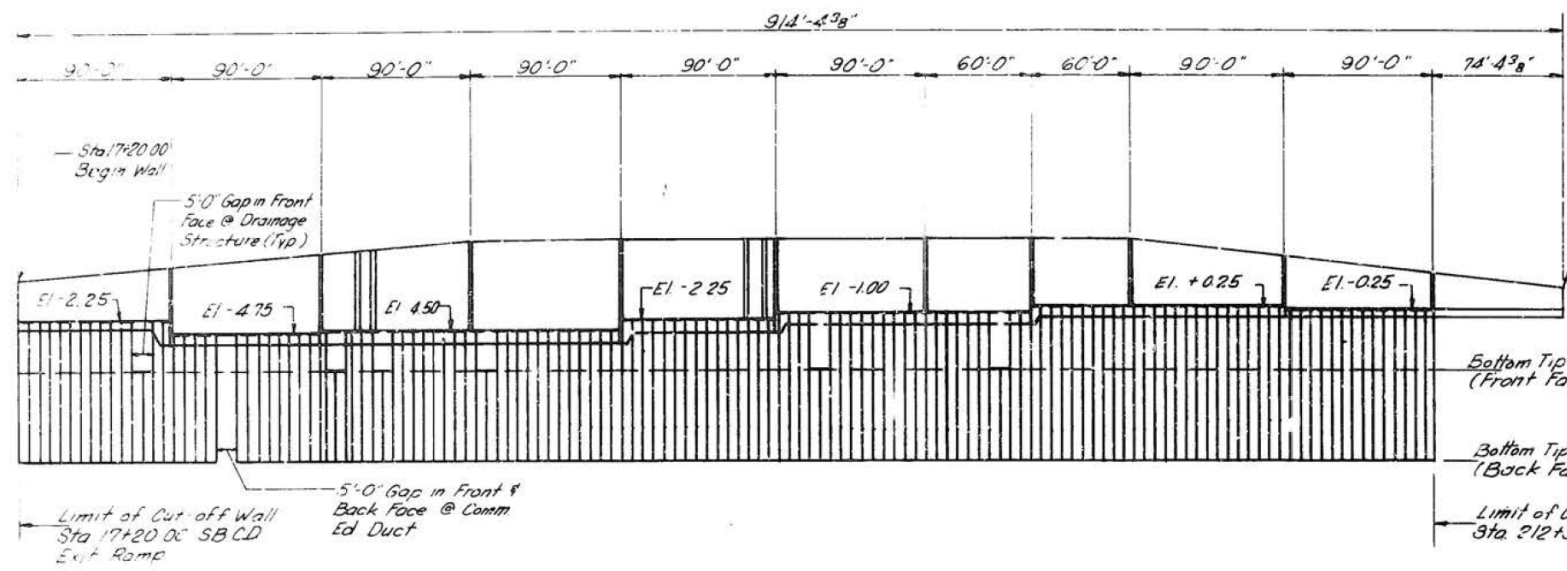
EXISTING RETAINING WALL 12 PLANS

SCALE: SHEET 11 OF 15 SHEETS STA. TO STA.

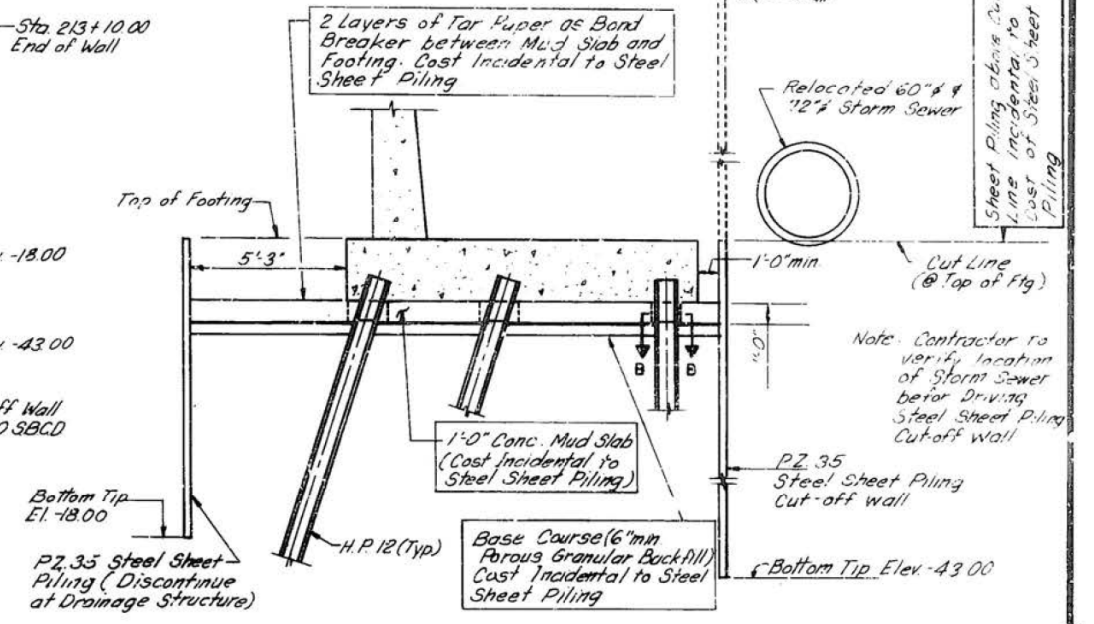
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90/94/290	2015-022-1	COOK	275	207
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

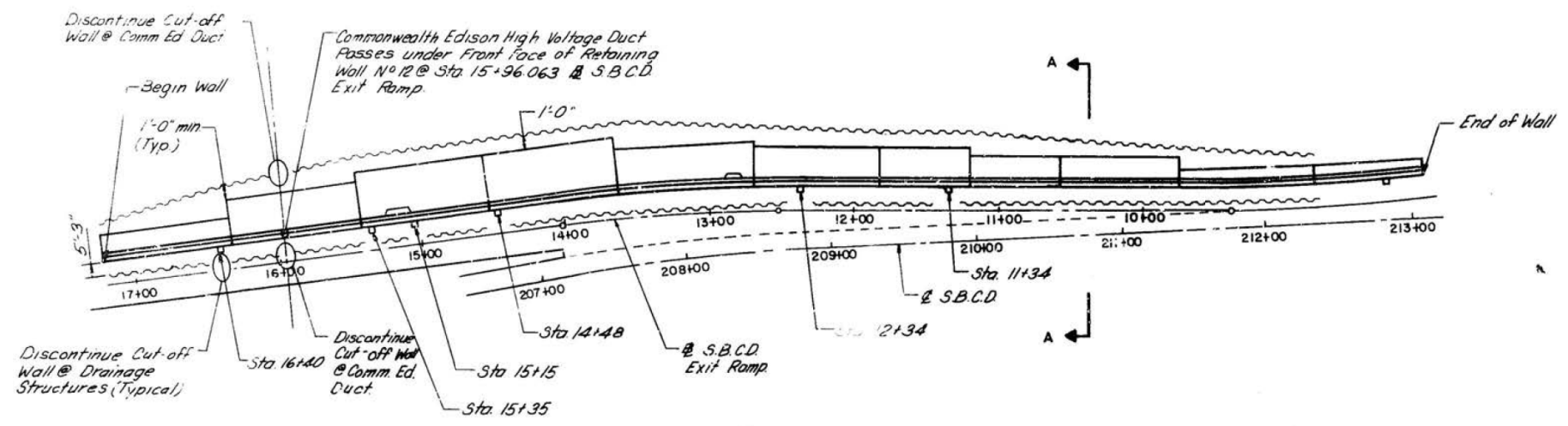
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90/94		COOK	81	59
STA. TO STA.		ILLINOIS	FED. AID PROJECT	
2526.3-2-R-3		765.2-28-UM		
010.6-P-R(65)				



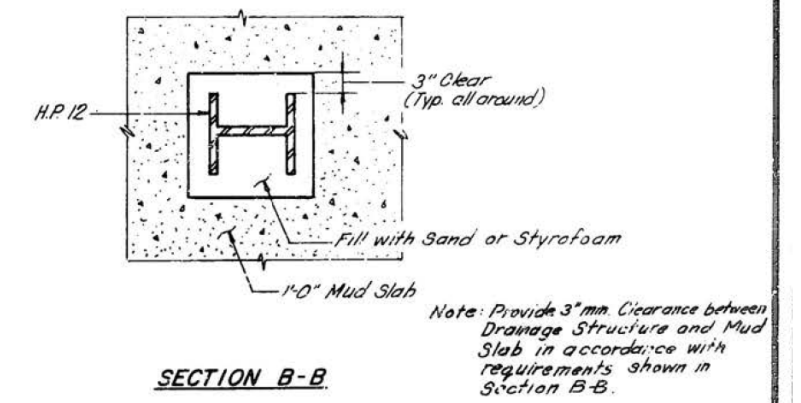
ELEVATION



SECTION A-A



PLAN



SECTION B-B

SHEET S-23 OF S-27

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 2004 (DAN RYAN EXPRESSWAY)
 SECTIONS 2022.6-2-R-3, 2026.2-28-UM
 AND 010.6-P-R(65)-COOK COUNTY
 POLK STREET BRIDGE DEMOLITION AND
 RETAINING WALL NOS. 8, 11, AND 12
 RETAINING WALL NO. 12
 CUT-OFF WALL DETAILS

Scale: None
 Date: 5-07

Drawn By: P.V.V.
 Checked by: G.S.P.

BRANDERER ENGINEERING INC.
 Chicago, Illinois

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CHECKED -		REVISED -	
DATE -	05/15/2017	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING RETAINING WALL 12 PLANS

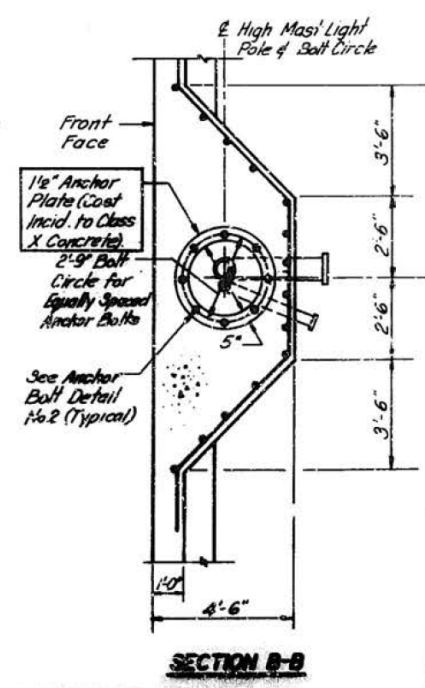
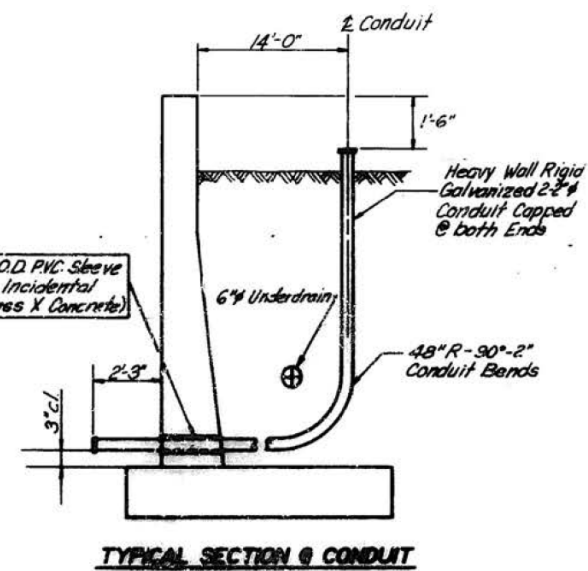
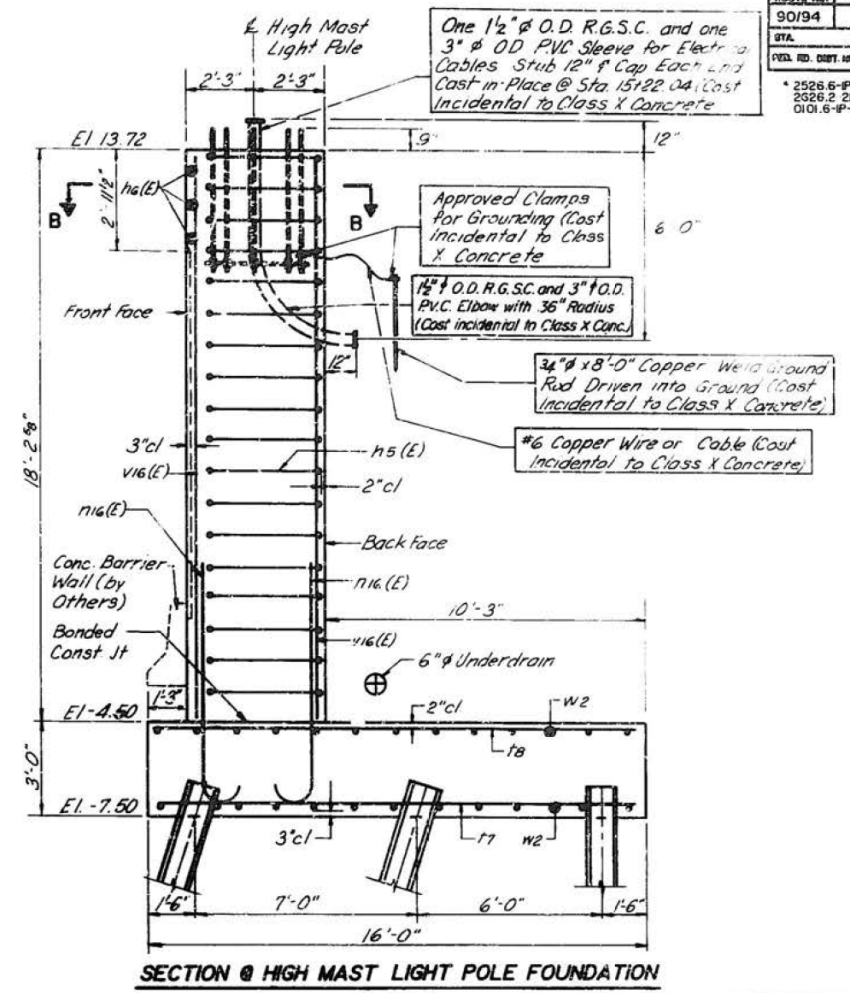
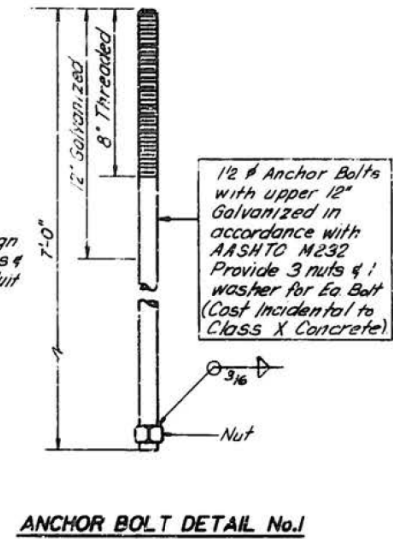
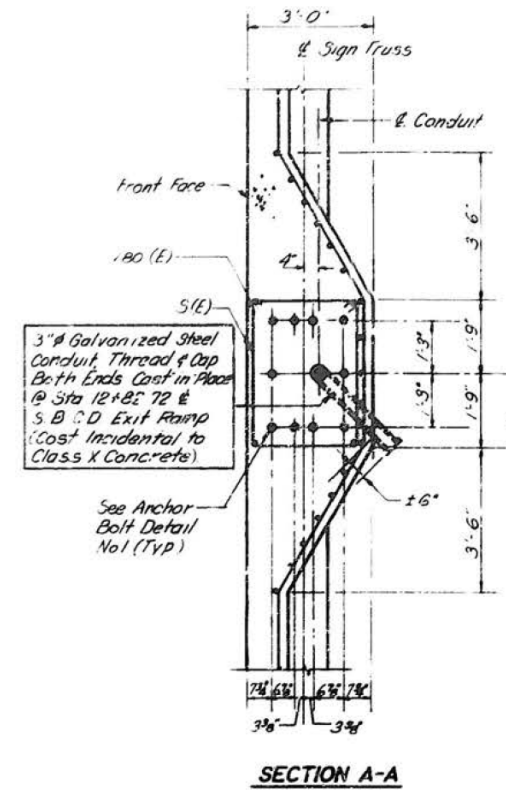
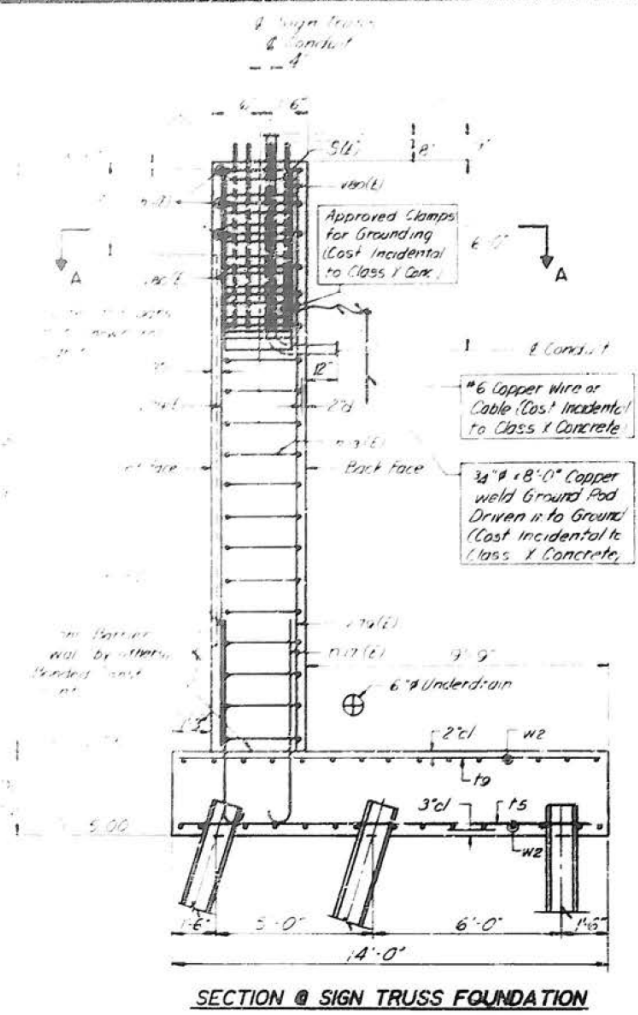
SCALE: SHEET 12 OF 15 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	208
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

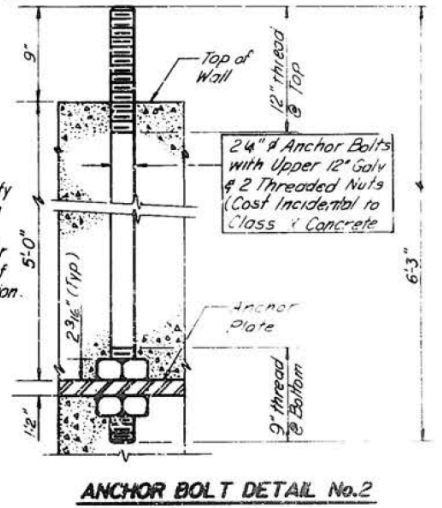
FOR INFORMATION ONLY

FEDERAL AID DISTRICT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	275	60
STA.	TO STA.			
VEH. RD. DIST. NO.	ILLINOIS	VEH. AID PROJECT		

* 2526.6-P-R-3
2526.2-2B-DM
D101.6-P-R(65)



Note:
Contractor shall verify the size and location of anchor bolts with the light pole supplier prior to construction of the light pole foundation.



SHEET S-24 OF S-27

Name	Date

Scale: NONE
Date: 5-07

Drawn By: PVV
Checked By: GSP

ENGINEERING SERVICES INC.
Chicago, Illinois

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CHECKED -	REVISED -
DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

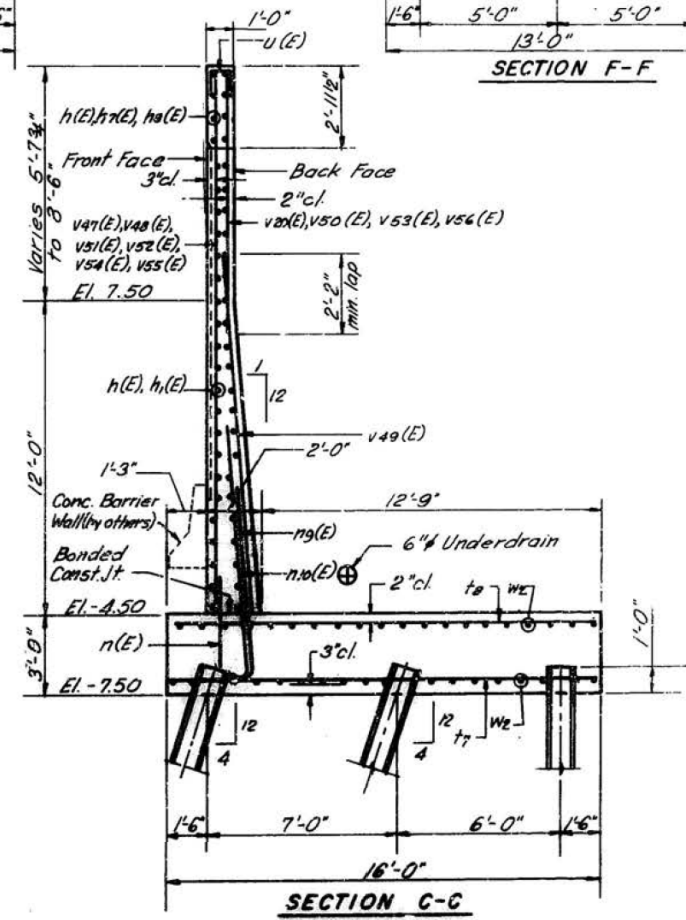
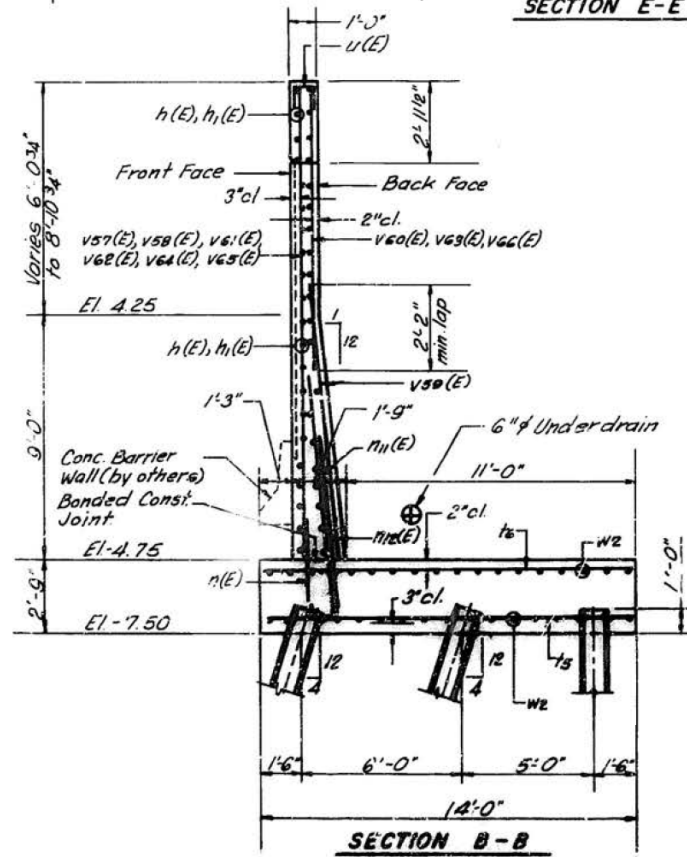
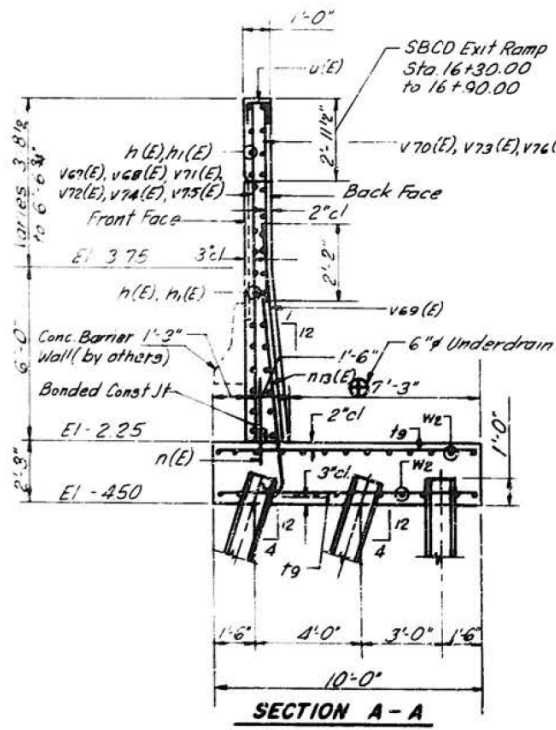
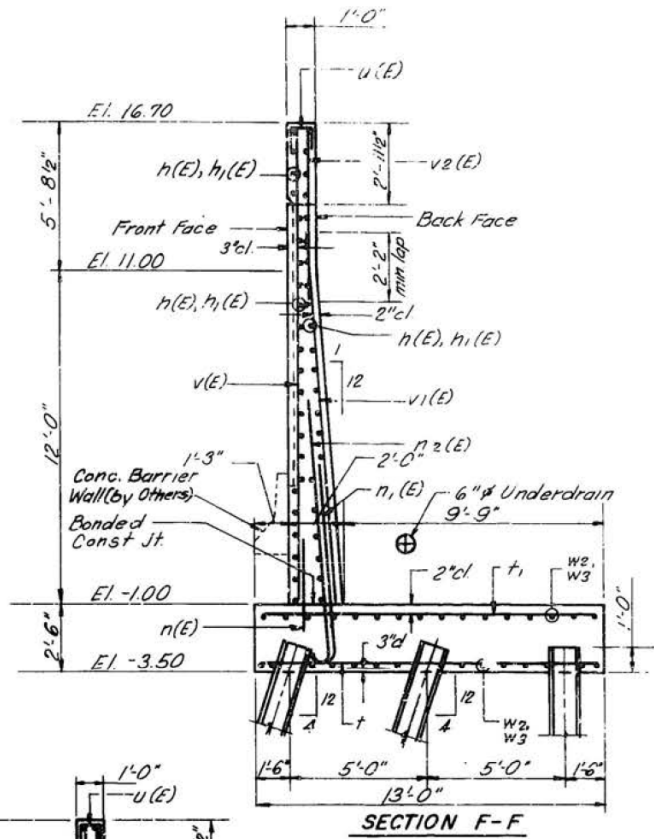
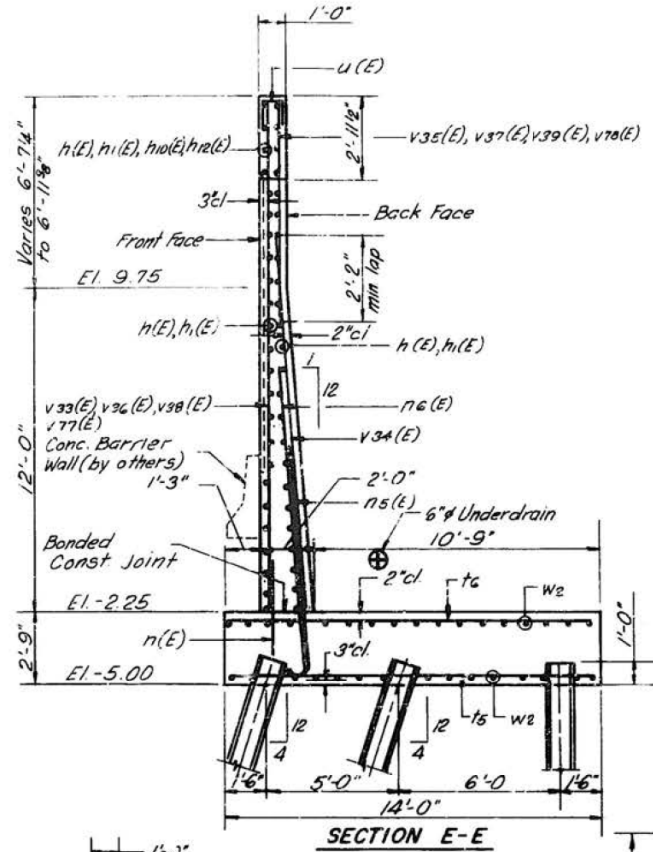
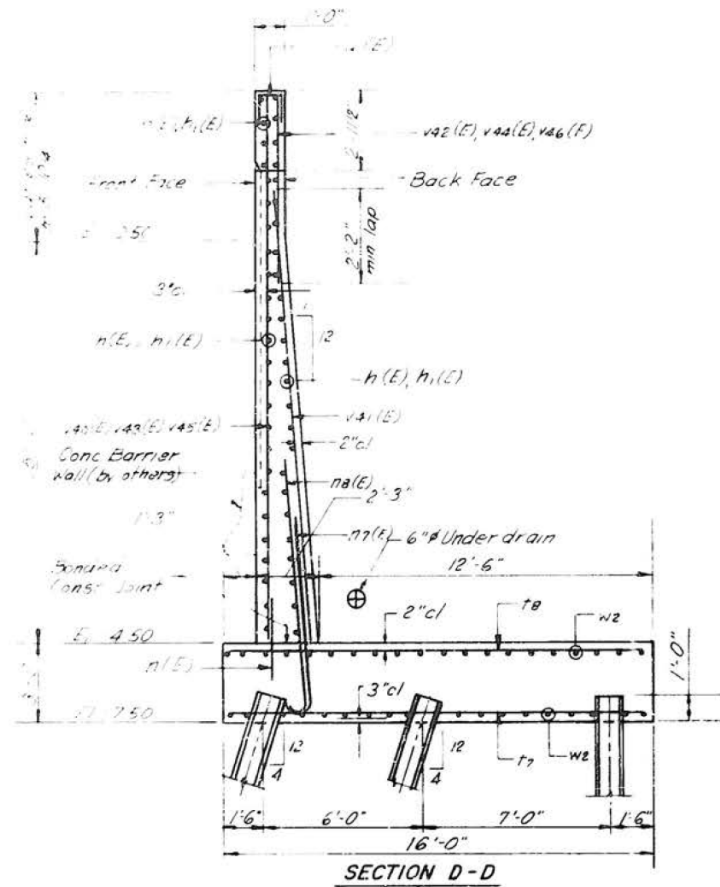
EXISTING RETAINING WALL 12 PLANS

SCALE: SHEET 13 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	209
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

FEDERAL AID DISTRICT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	81	61
STA.	TO STA.			
FED. RD. DIST. NO.	LINE NO.	FED. AID PROJECT		
1526.6-P-R-3		2626.2-2B-DM	(101.6-P-R165)	



REVISIONS	
Name	Date

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 80/94 (DAN RYAN EXPRESSWAY)
 SECTIONS 2026.6-P-R-3, 2026.2-2B-DM
 AND 0101.6-P-R165-COOK COUNTY
 POLK STREET BRIDGE DEMOLITION AND
 RETAINING WALL NOS. 8, 11, AND 12
 RETAINING WALL NO. 12
 SECTIONS
 Scale: None
 Date: 5-87
 Drawn By: P.V.V.
 Checked By: G.S.P.
 BRANDT ENGINEERING INC
 Chicago, Illinois

FILE PATH = F:\A0288727\000_CAD\008_Structural\Structure_016-1724\Print Organizer\0162474-SHT-EX-RW12-14.dgn



D162474-SHT-EX-RW12-14.dgn
 USER NAME = FloresG
 PLOT SCALE = 0:2.0000 '1' / in.
 PLOT DATE = 5/12/2017

DESIGNED - HA	REVISED -
DRAWN - ATB	REVISED -
CHECKED -	REVISED -
DATE - 05/15/2017	REVISED -

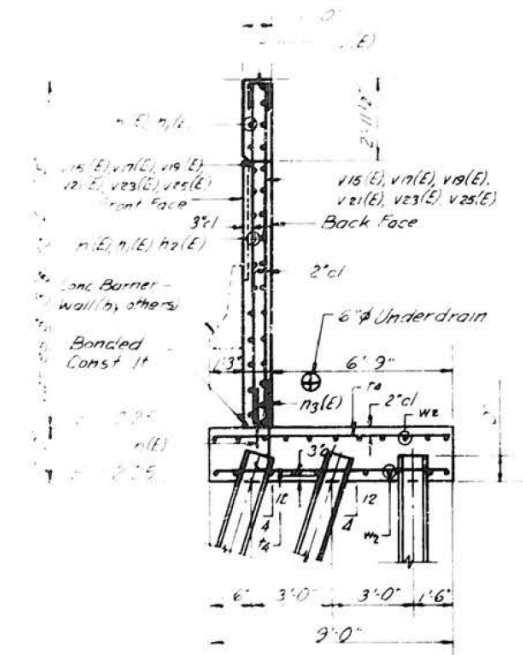
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING RETAINING WALL 12 PLANS	
SCALE:	SHEET 14 OF 15 SHEETS STA. TO STA.

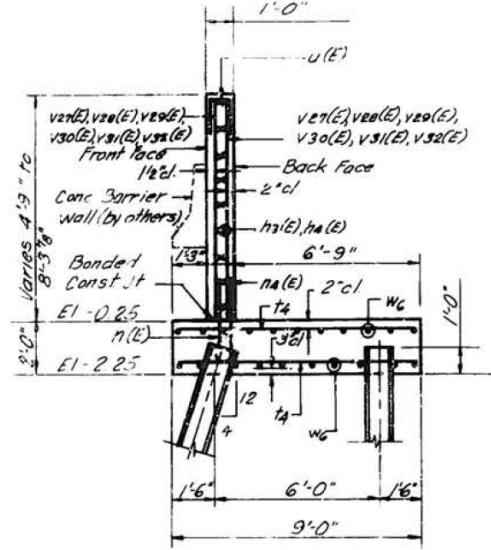
F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	210
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

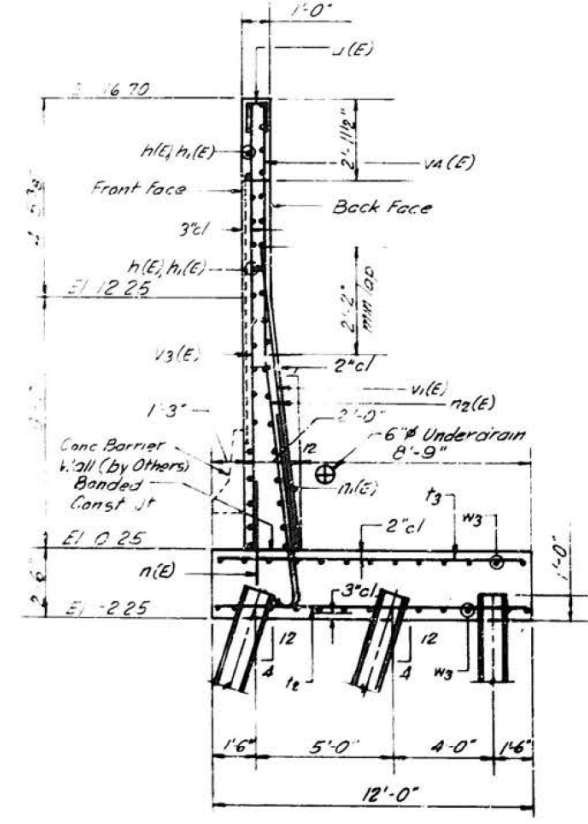
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	COOK	81	62
STA. TO STA.		FED. AID PROJECT	
FED. NO. DIST. NO.		ILLINOIS	
2526.6-P-R-3		2526.2-26-04	
110.8-P-R185			



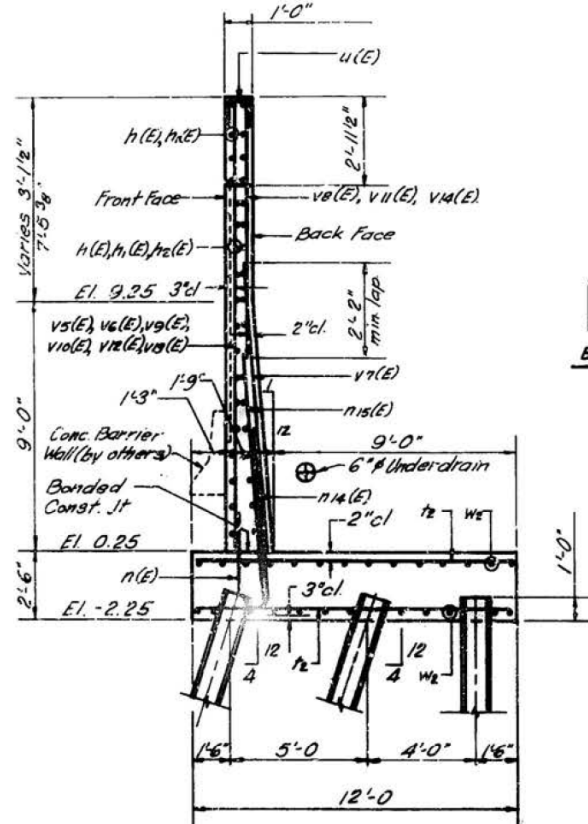
SECTION J-J



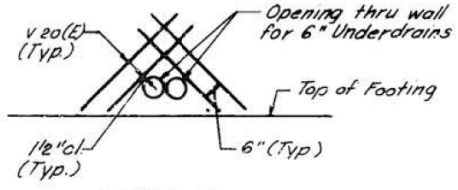
SECTION K-K



SECTION G-G



SECTION H-H



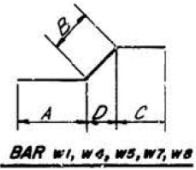
DETAIL M

Mark	Size	A	B	C	D
n1(E)	#6	5'-0"	8"	6"	
n2(E)	#6	8'-0"	8"	6"	
n3(E)	#5	4'-9"	7"	5"	
n4(E)	#5	4'-8"	7"	5"	
n5(E)	#7	5'-4"	10"	7"	
n6(E)	#7	8'-7"	10"	7"	
n7(E)	#6	5'-6"	8"	6"	
n8(E)	#6	9'-3"	8"	6"	
n9(E)	#7	6'-6"	10"	7"	
n10(E)	#7	10'-0"	10"	7"	
n11(E)	#6	5'-3"	8"	6"	
n12(E)	#6	2'-9"	8"	6"	
n13(E)	#5	4'-4"	7"	5"	
n14(E)	#5	4'-7"	7"	5"	
n15(E)	#5	4'-10"	7"	5"	
n16(E)	#9	8'-9"	1'-3"	1'-4"	
w1	#5	4'-9"	2'-1"	2'-3"	1'-6"
w2	#5	4'-6"	1'-9"	2'-3"	1'-3"
w3	#5	2'-6"	8"	2'-6"	6"
w7	#5	5'-0"	3'-7"	2'-3"	2'-6"
w8	#5	2'-3"	4'-3"	2'-3"	3'-0"
h5(E)	#6	2'-6"	3'-0"	4'-8"	3'-6"
h9(E)	#5	2'-6"	4'-8"	3'-2"	3'-6"

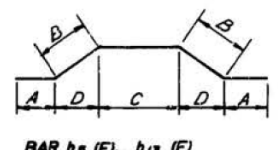
RETAINING WALL NO. 12 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)		#6	32'-0"	
h1(E)	328	#5	29'-9"	
h2(E)	12	#5	15'-0"	
h3(E)	26	#5	27'-0"	
h4(E)	10	#5	24'-0"	
h5(E)	19	#5	19'-0"	
h6(E)	3	#5	17'-0"	
h7(E)	6	#5	11'-9"	
h8(E)	6	#5	5'-10"	
h9(E)	6	#5	4'-6"	
h10(E)	6	#5	15'-1"	
h11(E)	3	#5	14'-10"	
h12(E)	6	#5	6'-2"	
h13(E)	19	#5	17'-6"	
n(E)	904	#5	3'-0"	
n1(E)	166	#6	5'-8"	
n2(E)	160	#6	8'-8"	
n3(E)	123	#5	5'-4"	
n4(E)	57	#5	5'-3"	
n5(E)	60	#6	5'-11"	
n6(E)	56	#6	9'-5"	
n7(E)	81	#6	6'-2"	
n8(E)	78	#6	9'-11"	
n9(E)	58	#7	7'-4"	
n10(E)	54	#7	10'-10"	
n11(E)	66	#6	5'-11"	
n12(E)	63	#6	9'-5"	
n13(E)	93	#5	4'-11"	
n14(E)	66	#5	5'-2"	
n15(E)	63	#5	8'-5"	
n16(E)	24	#9	10'-3"	
n17(E)	22	#9	9'-5"	
v(E)	155	#5	17'-5"	
v1(E)	167	#6	13'-0"	
v2(E)	125	#5	6'-9"	
v3(E)	62	#5	16'-2"	
v4(E)	42	#5	5'-6"	
v5(E)	16	#5	15'-6"	
v6(E)	15	#5	14'-9"	
v7(E)	66	#5	10'-0"	
v8(E)	22	#5	8'-6"	
v9(E)	16	#5	14'-0"	
v10(E)	15	#5	13'-8"	
v11(E)	22	#5	7'-1"	
v12(E)	16	#5	12'-7"	
v13(E)	16	#5	11'-11"	
v14(E)	22	#5	5'-7"	
v15(E)	27	#5	11'-8"	
v16(E)	24	#5	11'-11"	
v17(E)	25	#5	10'-11"	
v18(E)	8	#5	3'-0"	
v19(E)	27	#5	10'-3"	
v20(E)	9	#5	7'-3"	
v21(E)	25	#5	9'-6"	
v22(E)	27	#5	8'-9"	
v23(E)	25	#5	8'-1"	
v24(E)	20	#5	7'-6"	
v25(E)	18	#5	6'-11"	
v26(E)	20	#5	6'-3"	
v27(E)	18	#5	5'-8"	
v28(E)	20	#5	5'-1"	
v29(E)	18	#5	4'-6"	
v30(E)	31	#5	18'-4"	
v31(E)	60	#6	13'-0"	
v32(E)	22	#5	7'-9"	
v33(E)	31	#5	18'-6"	
v34(E)	22	#5	7'-10"	
v35(E)	14	#5	18'-7"	
v36(E)	-4	#5	6'-0"	
v37(E)	31	#5	19'-9"	
v38(E)	81	#6	16'-0"	

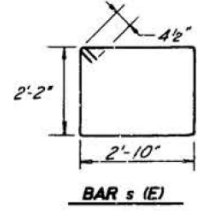
Note: Reinforcement bars designated (E) shall be Epoxy Coated.



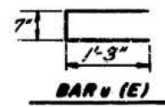
BAR w1, w4, w5, w7, w8



BAR ni(E) thru n16(E)



BAR s(E)



BAR u(E)

PILE DATA
 TYPE: STEEL HP 12-53
 CAPACITY: DRIVE TO REFUSAL
 EST. LENGTH: 80'
 NUMBER REQUIRED: 394 PLUS
 5 TEST PILES

SHEET S-26 OF S-27

REVISIONS	Name	Date

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)
 SECTIONS 2526.6-P-R-3, 2526.2-26-04
 AND CHICAGO-P-1889-COOK COUNTY
 POLY STREET BRIDGE DEMOLITION AND
 RETAINING WALL NO. 8, 11, AND 12
 RETAINING WALL NO. 12
 SECTIONS AND BILL OF MATERIAL

Scale: None
 Date: 8-87

Drawn By: P.V.V.
 Checked By: G.S.P.

ENVIRONMENTAL ENGINEERS INC.
 Chicago, Illinois



D162A74-SHT-EX-RW12-15.dgn
 USER NAME = FloresG
 PLOT SCALE = 0.2:0.000 1' = 11"
 PLOT DATE = 5/12/2017

DESIGNED - HA
 DRAWN - ATB
 CHECKED -
 DATE - 05/15/2017

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING RETAINING WALL 12 PLANS

SCALE: SHEET 15 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	211
ILLINOIS FED. AID PROJECT				CONTRACT NO. 62A74

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FOR INFORMATION ONLY

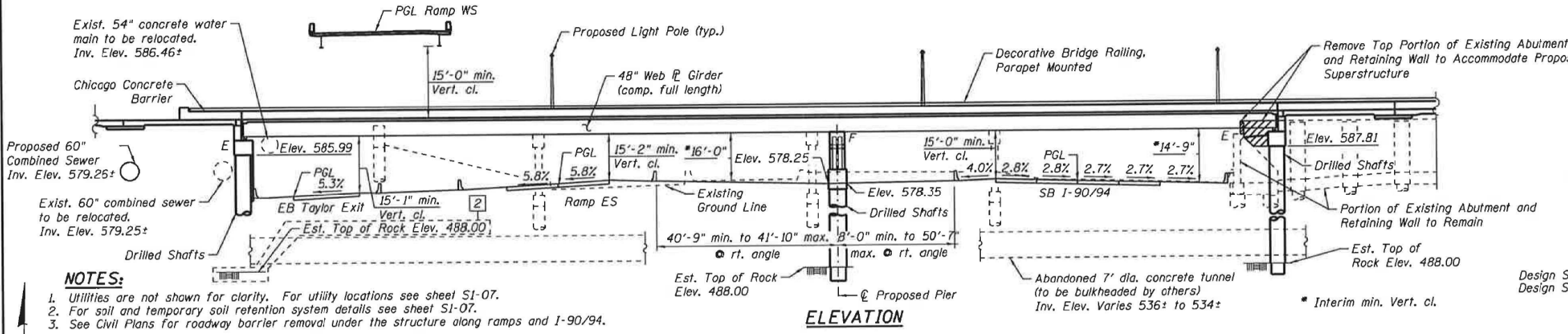
Bench Mark: Cut square on southwest parapet wall over I-90 on west end, +2.5 A/G. Elevation 598.65.

Existing Structure: SN 016-1087 was originally built in 1960 as part of the F.A.I. Route No. 4 Project, Section S-2626.2-1B. The existing structure is a four (4) span bridge with a reinf. concrete deck supported on concrete T-Beams (Span 1) and steel WF beams (Spans 2-4). The existing substructure consists of reinforced concrete abutments and multi column piers founded on sub-piers (reinforced concrete caissons). The existing structure has an overall length of 231'-4 1/2" and an out-to-out deck width of 68'-4". The existing structure is to be removed and replaced. Harrison Street traffic will be detoured via local roads during construction and bridge will be closed. Local access to Cermak Pump Station provided via existing structure (SN 016-1088).

Salvage portion of existing East Abutment and North Retaining Wall.

Proposed East Abutment is designed for vertical load and portion of lateral load. The remainder of the lateral load is resisted by the existing counterfort wall, which is to remain.

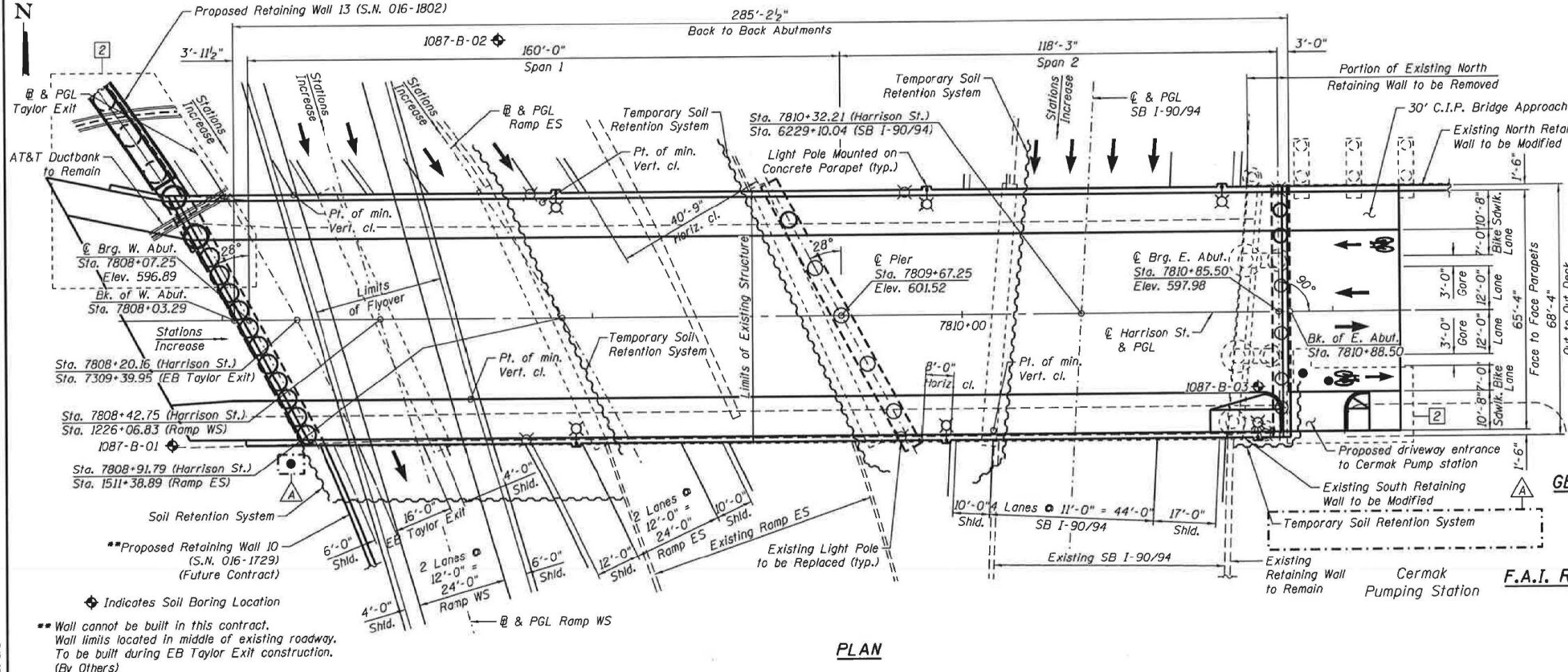
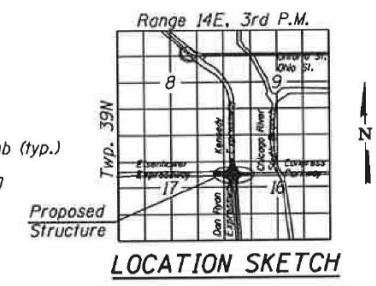
DESIGN SPECIFICATIONS
2012 AASHTO LRFD Bridge Design Specifications, 6th Edition with 2013 Interim Revisions
LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.



DESIGN STRESSES
FIELD UNITS
f'c = 3,500 psi
f'c = 7,000 psi (West Abut.)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)
EXISTING UNITS
f'c = 3,000 psi
fy = 40,000 psi (Reinforcement)

SEISMIC DATA
Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.085g
Design Spectral Acceleration at 0.2 sec. (SD5) = 0.144g
Soil Site Class = D

- NOTES:**
- Utilities are not shown for clarity. For utility locations see sheet S1-07.
 - For soil and temporary soil retention system details see sheet S1-07.
 - See Civil Plans for roadway barrier removal under the structure along ramps and I-90/94.



BRAD M. RADOVICH
REGISTERED STRUCTURAL ENGINEER OF ILLINOIS
DATE 1-10-14
LICENSE EXPIRES 11/30/2014

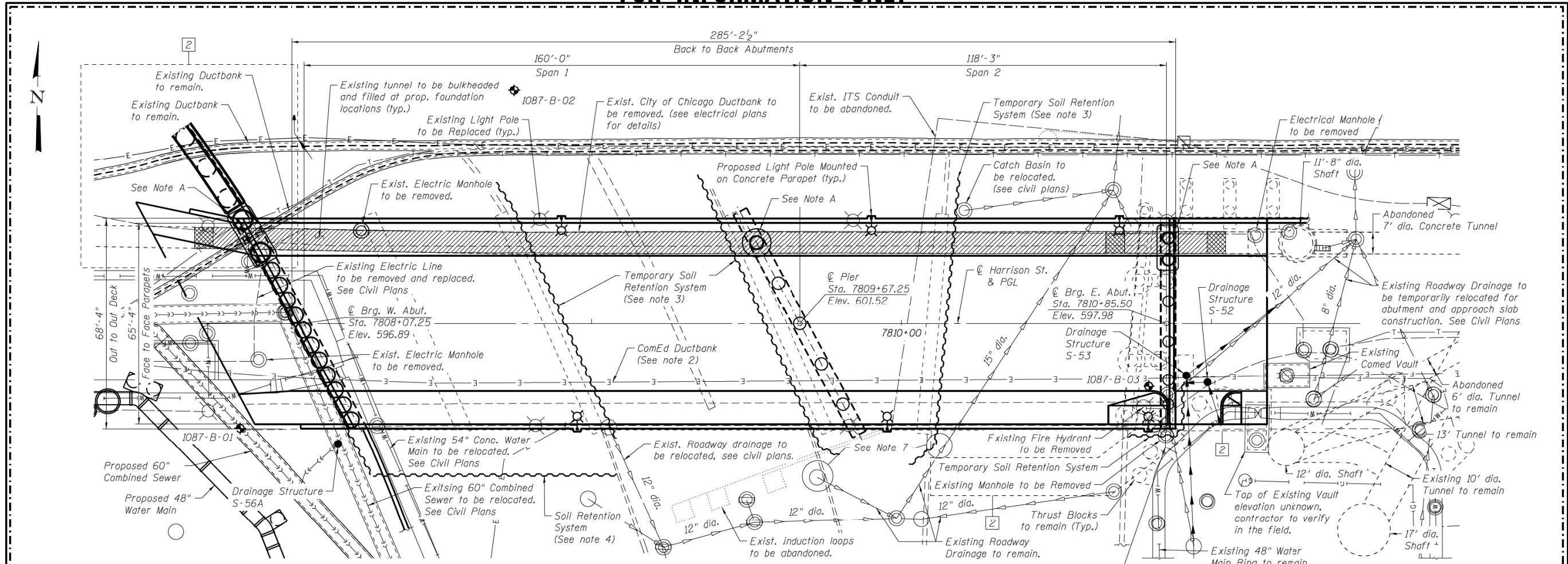
GENERAL PLAN & ELEVATION
HARRISON ST. OVER
F.A.I. RTE. SB 90/94
(DAN RYAN EXPRESSWAY)
F.A.I. RTE. 90/94 - SECTION 2013-008R
COOK COUNTY
STATION 7810+32.21
STRUCTURE NO. 016-1713

AECOM	USER NAME = dunkerleyb	DESIGNED - EJO	REVISED - 10/15/2013 EJO, BRD	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND ELEVATION STRUCTURE NO. 016-1713 SHEET NO. S1-01 OF S1-48 SHEETS	F.A.I. RTE. 90/94/290	SECTION 2013-008R	COUNTY COOK	TOTAL SHEETS 559	SHEET NO. 251
	PLOT SCALE = N.T.S.	CHECKED - ATB	REVISED - 01/08/2014 EJO, BRD			CONTRACT NO. 60W26				
	PLOT DATE = 9/15/2013	DRAWN - MRK	REVISED			ILLINOIS FED. AID PROJECT				

AECOM 303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-7700 FAX: (312) 373-6800	D162474-SHT-EX-SN16-1713-01.dgn	DESIGNED - HA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING HARRISON STREET BRIDGE (SN 016-1713) WEST ABUTMENT SECTION AND DETAILS	F.A.I. RTE. 90/94/290	SECTION 2015-022-1	COUNTY COOK	TOTAL SHEETS 275	SHEET NO. 212
	USER NAME = FloresG	DRAWN - ATB	REVISED -			CONTRACT NO. 62A74				
	PLOT SCALE = 0:2.0000 1' = 11"	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT				

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FOR INFORMATION ONLY

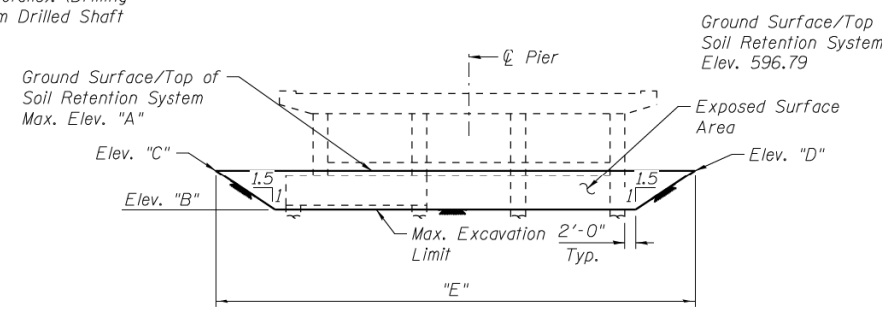


NOTE A:

The Drilled Shafts to be installed thru Existing Abandoned Tunnel require Permanent Casing, (see substructure sheets for details). (Drilling thru tunnel included in pay item Drilled Shaft In Soil. See Note 8.)

LEGEND:

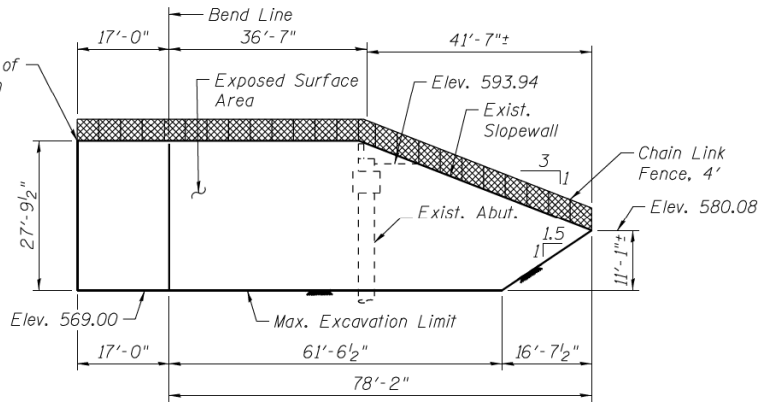
- Combined Sewer
- Electric
- Fiber Optic
- Telephone
- Storm Sewer
- Water Line
- Fire Hydrant
- Light Pole
- Soil Boring
- Bulkhead
- Area filled with Grout



ELEVATION - TEMPORARY SOIL RETENTION SYSTEM AT EXISTING PIERS
(Looking West)
(See Note 5)

Location	Elev. "A"	Elev. "B"	Elev. "C"	Elev. "D"	Length "E"
Pier 1	577.33	570.69	577.17	577.33	96'-6"
Pier 2	581.46	571.69	580.96	581.46	105'-5"
Pier 3	580.29	571.18	577.88	579.94	93'-9"

SUBSTRUCTURE LAYOUT PLAN



ELEVATION - SOIL RETENTION SYSTEM AT WEST ABUTMENT
(Looking North)
(See Note 5)

BILL OF MATERIAL

Item	Unit	Total
Temporary Soil Retention System	Sq. Ft.	2828
Soil Retention System	Sq. Ft.	2297
Chain Link Fence, 4'	Foot	99

NOTES:

- Bulkhead and area to be filled with grout shall be complete prior to construction of SN 016-1713 as part of advanced contract (By Others).
- Existing Utility between girders to be relocated (By Others) prior to bridge demolition. Utility to be placed back on proposed bridge (By Others).
- Temporary Soil Retention System required for existing pier removal. See sheets S1-04 thru S1-06.
- Soil Retention System to be left in place. Required for proposed abutment construction. To be removed in future contract (By Others).
- A cantilever sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system and soil retention system design including plan details and calculations for review and acceptance by the Engineer.
- The Contractor shall take precautions to protect existing utilities and foundations during construction of the bridge. The utilities were located based on SUE and utility supplier information available at design.
- Temporary soil retention system to avoid existing roadway drainage.
- Contractor shall provide equipment, labor, and materials as required to install drilled shafts thru existing abandoned tunnel at locations shown. The costs incurred by installation thru tunnel shall not be measured separately but shall be included in the respective Drilled Shaft pay item.



USER NAME = dunkerleyb	DESIGNED - EJO	REVISED - 10/15/2013 EJO, BRD
DESIGNED - EJO	CHECKED - ATB	REVISED - 01/08/2014 EJO, BRD
PLOT SCALE = N.T.S.	DRAWN - BRD	REVISED
PLOT DATE = 9/15/2013	CHECKED - EJO	REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE LAYOUT STRUCTURE NO. 016-1713

F.A.I. RTE. 90/94/290	SECTION 2013-008R	COUNTY COOK	TOTAL SHEETS 559	SHEET NO. 257
CONTRACT NO. 60W26				

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DESIGNED - HA	REVISED -
DRAWN - ATB	REVISED -
CHECKED -	REVISED -
DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

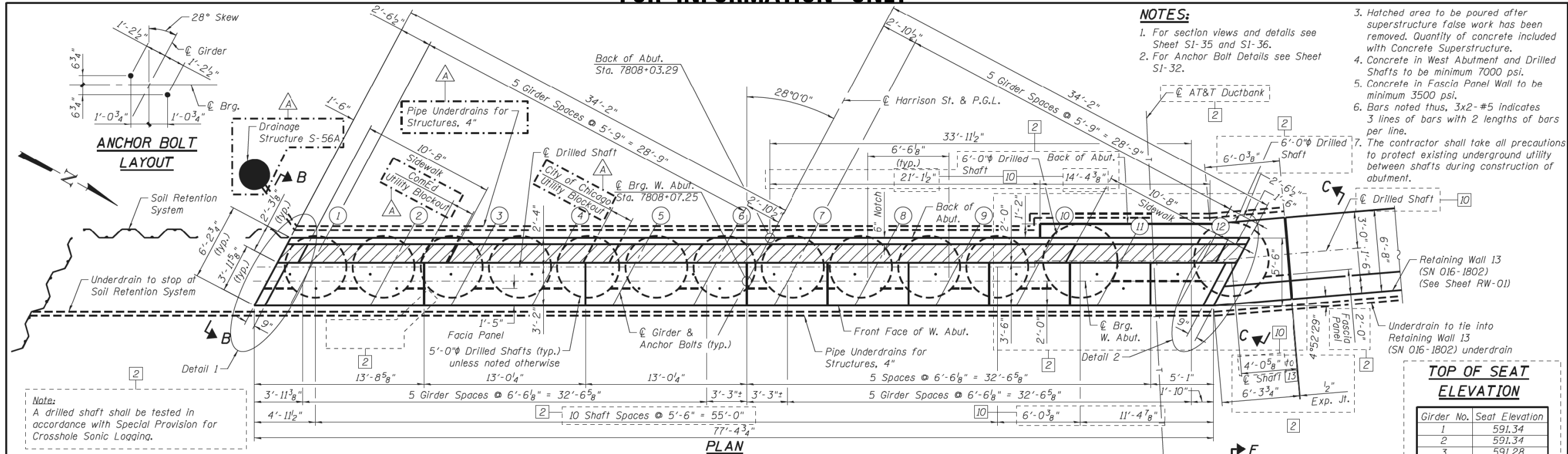
EXISTING HARRISON STREET BRIDGE (SN 016-1713) WEST ABUTMENT SECTION AND DETAILS

F.A.I. RTE. 90/94/290	SECTION 2015-022-I	COUNTY COOK	TOTAL SHEETS 275	SHEET NO. 213
CONTRACT NO. 62A74				

SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY



- NOTES:**
1. For section views and details see Sheet S1-35 and S1-36.
 2. For Anchor Bolt Details see Sheet S1-32.
 3. Hatched area to be poured after superstructure false work has been removed. Quantity of concrete included with Concrete Superstructure.
 4. Concrete in West Abutment and Drilled Shafts to be minimum 7000 psi.
 5. Concrete in Fascia Panel Wall to be minimum 3500 psi.
 6. Bars noted thus, 3x2-#5 indicates 3 lines of bars with 2 lengths of bars per line.
 7. The contractor shall take all precautions to protect existing underground utility between shafts during construction of abutment.

ANCHOR BOLT LAYOUT

Soil Retention System

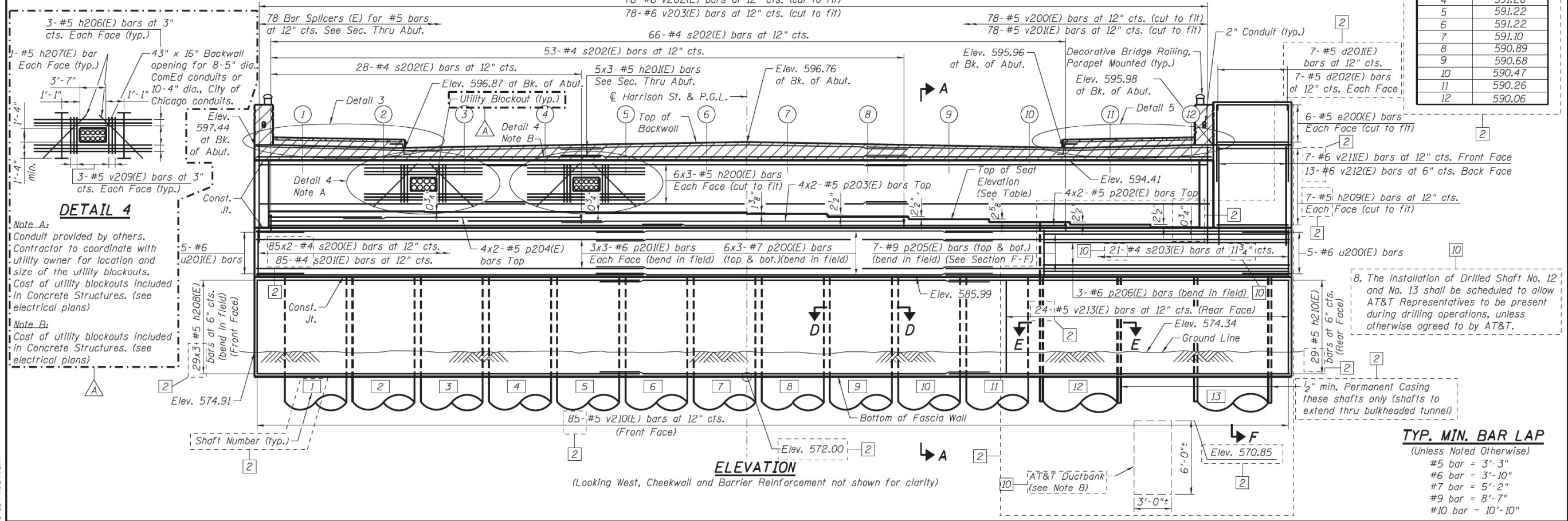
Underdrain to stop at Soil Retention System

Detail 1

PLAN

TOP OF SEAT ELEVATION

Girder No.	Seat Elevation
1	591.34
2	591.34
3	591.28
4	591.28
5	591.22
6	591.22
7	591.10
8	590.89
9	590.68
10	590.47
11	590.26
12	590.06



ELEVATION

(Looking West, Cheekwall and Barrier Reinforcement not shown for clarity)



USER NAME = dabezcd	DESIGNED - EJO	REVISED - 10/15/2013 EJO, BRD
PLOT SCALE = N.T.S.	CHECKED - ATB	REVISED - 01/08/2014 EJO, BRD
PLOT DATE = 9/15/2013	DRAWN - BRD	REVISED - 06/30/2014 BMR, BRD
	CHECKED - EJO	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WEST ABUTMENT PLAN AND ELEVATION
STRUCTURE NO. 016-1713**

F.A.I. RTE. 90/94/290	SECTION 2013-008R	COUNTY COOK	TOTAL SHEETS 559	SHEET NO. 284
CONTRACT NO. 60W26				
ILLINOIS FED. AID PROJECT				

0161713-60W26-534-Abutment

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USER NAME = FloresG	DRAWN - ATB	REVISED -
PLOT SCALE = 0:2.0000 '1' / in.	CHECKED -	REVISED -
PLOT DATE = 5/12/2017	DATE - 05/15/2017	REVISED -

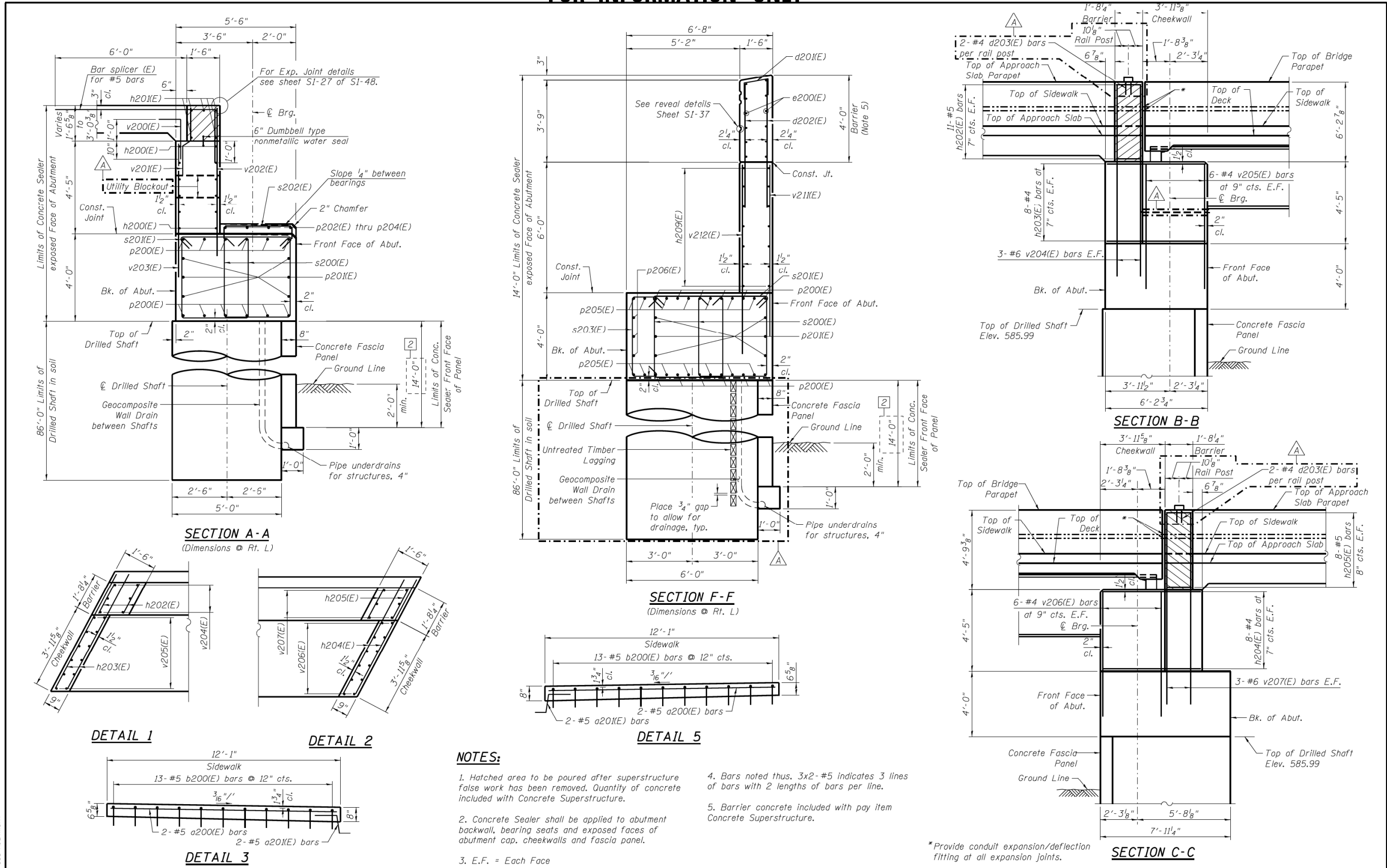
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING HARRISON STREET BRIDGE (SN 016-1713)
WEST ABUTMENT SECTION AND DETAILS**

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2015-022-1	COUNTY COOK	TOTAL SHEETS 275	SHEET NO. 214
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



NOTES:

- Hatched area to be poured after superstructure false work has been removed. Quantity of concrete included with Concrete Superstructure.
- Concrete Sealer shall be applied to abutment backwall, bearing seats and exposed faces of abutment cap, cheekwalls and fascia panel.
- E.F. = Each Face
- Bars noted thus, 3x2-#5 indicates 3 lines of bars with 2 lengths of bars per line.
- Barrier concrete included with pay item Concrete Superstructure.

*Provide conduit expansion/deflection fitting at all expansion joints.



USER NAME = dunkerleyb	DESIGNED - EJO	REVISED 10/15/2013 EJO, BRD
PLOT SCALE = N.T.S.	CHECKED - ATB	REVISED 01/08/2014 EJO, BRD
PLOT DATE = 9/15/2013	DRAWN - BRD	REVISED
	CHECKED - EJO	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WEST ABUTMENT SECTION
STRUCTURE NO. 016-1713**

SHEET NO. S1-35 OF S1-48 SHEETS

F.A.I. RTE. 90/94/290	SECTION 2013-008R	COUNTY COOK	TOTAL SHEETS 559	SHEET NO. 285
CONTRACT NO. 60W26				
ILLINOIS FED. AID PROJECT				

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0161713-60W26-535-Abutment



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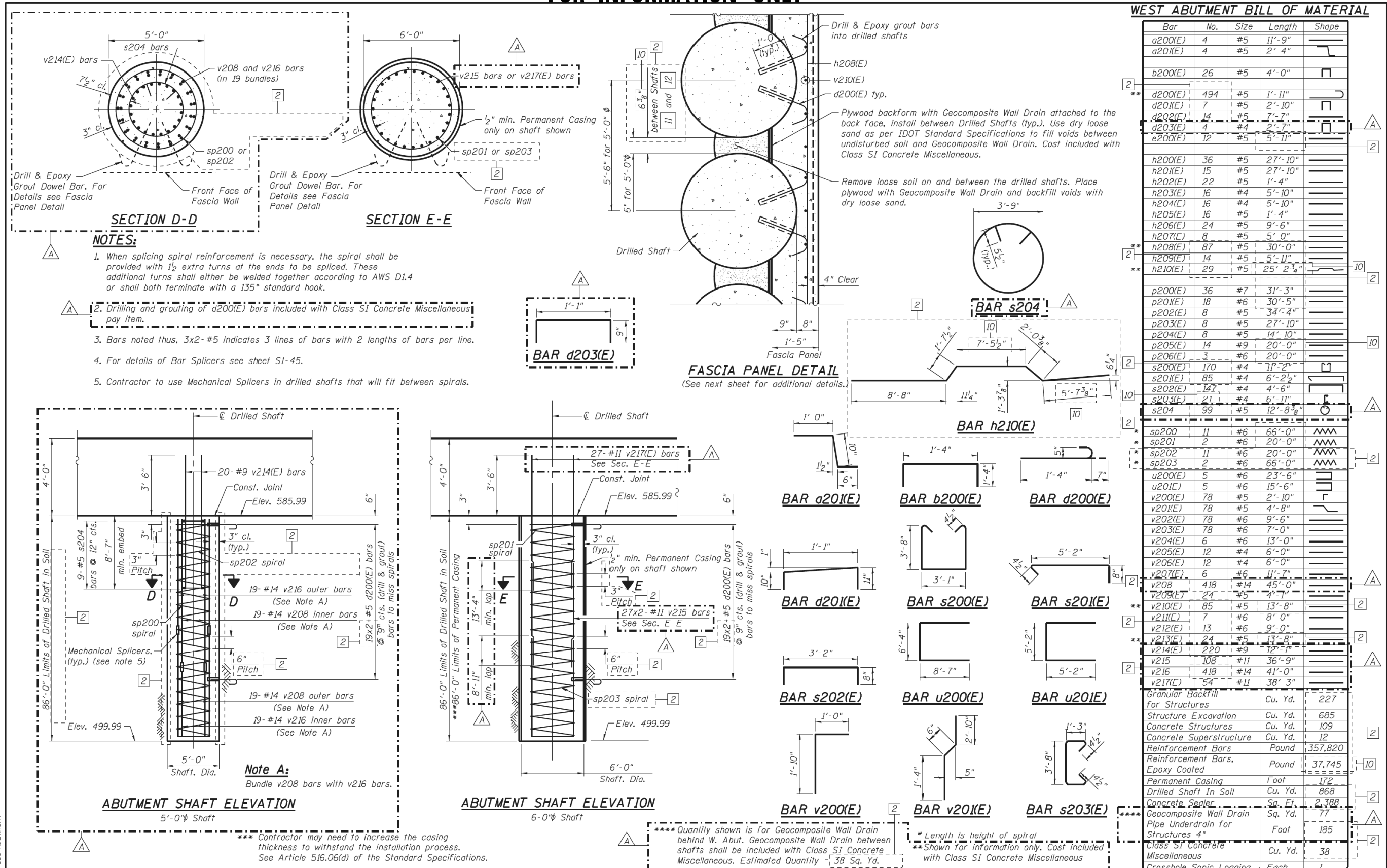
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING HARRISON STREET BRIDGE (SN 016-1713)
WEST ABUTMENT SECTION AND DETAILS**

SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2015-022-1	COUNTY COOK	TOTAL SHEETS 275	SHEET NO. 215
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



WEST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a200(E)	4	#5	11'-9"	
a20(E)	4	#5	2'-4"	
b200(E)	26	#5	4'-0"	
d200(E)	494	#5	1'-11"	
d20(E)	7	#5	2'-10"	
d202(E)	14	#5	7'-7"	
d203(E)	4	#4	2'-7"	
e200(E)	12	#5	5'-11"	
h200(E)	36	#5	27'-10"	
h20(E)	15	#5	27'-10"	
h202(E)	22	#5	1'-4"	
h203(E)	16	#4	5'-10"	
h204(E)	16	#4	5'-10"	
h205(E)	16	#5	1'-4"	
h206(E)	24	#5	9'-6"	
h207(E)	8	#5	5'-0"	
h208(E)	87	#5	30'-0"	
h209(E)	14	#5	5'-11"	
h210(E)	29	#5	25'-2 3/4"	
p200(E)	36	#7	31'-3"	
p20(E)	18	#6	30'-5"	
p202(E)	8	#5	34'-4"	
p203(E)	8	#5	27'-10"	
p204(E)	8	#5	14'-10"	
p205(E)	14	#9	20'-0"	
p206(E)	3	#6	20'-0"	
s200(E)	170	#4	11'-2"	
s20(E)	85	#4	6'-2 1/2"	
s202(E)	147	#4	4'-6"	
s203(E)	21	#4	6'-11"	
s204	99	#5	12'-8 3/8"	
sp200	11	#6	66'-0"	
sp201	2	#6	20'-0"	
sp202	11	#6	20'-0"	
sp203	2	#6	66'-0"	
u200(E)	5	#6	23'-6"	
u20(E)	5	#6	15'-6"	
v200(E)	78	#5	2'-10"	
v20(E)	78	#5	4'-8"	
v202(E)	78	#6	9'-6"	
v203(E)	78	#6	7'-0"	
v204(E)	6	#6	13'-0"	
v205(E)	12	#4	6'-0"	
v206(E)	12	#4	6'-0"	
v207(E)	6	#6	11'-7"	
v208	418	#14	45'-0"	
v209(E)	24	#5	4'-7"	
v210(E)	85	#5	13'-8"	
v21(E)	7	#6	8'-0"	
v212(E)	13	#6	9'-0"	
v213(E)	24	#5	13'-8"	
v214(E)	220	#9	12'-1"	
v215	108	#11	36'-9"	
v216	418	#14	41'-0"	
v217(E)	54	#11	38'-3"	
Granular Backfill for Structures		Cu. Yd.	227	
Structure Excavation		Cu. Yd.	685	
Concrete Structures		Cu. Yd.	109	
Concrete Superstructure		Cu. Yd.	12	
Reinforcement Bars		Pound	357,820	
Reinforcement Bars, Epoxy Coated		Pound	37,745	
Permanent Casing		Foot	172	
Drilled Shaft In Soil		Cu. Yd.	868	
Concrete Sealer		Sq. Ft.	2,388	
Geocomposite Wall Drain		Sq. Yd.	77	
Pipe Underdrain for Structures 4"		Foot	185	
Class SI Concrete Miscellaneous		Cu. Yd.	38	
Crosshole Sonic Logging		Each	1	



USER NAME = dabezcd	DESIGNED - EJO	REVISED 10/15/2013 EJO, BRD
PLOT SCALE = N.T.S.	CHECKED - ATB	REVISED 01/08/2014 EJO, BRD
PLOT DATE = 9/15/2013	DRAWN - BRD	REVISED 06/30/2014 BMR, BRD
	CHECKED - EJO	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT DETAILS
STRUCTURE NO. 016-1713

SHEET NO. S1-36 OF S1-48 SHEETS

F.A.I. RTE. 90/94/290	SECTION 2013-00BR	COUNTY COOK	TOTAL SHEETS 559	SHEET NO. 286
CONTRACT NO. 60W26				ILLINOIS FED. AID PROJECT



D162A74-SHT-EX-SN16-1713-05.dgn	DESIGNED - HA	REVISED -
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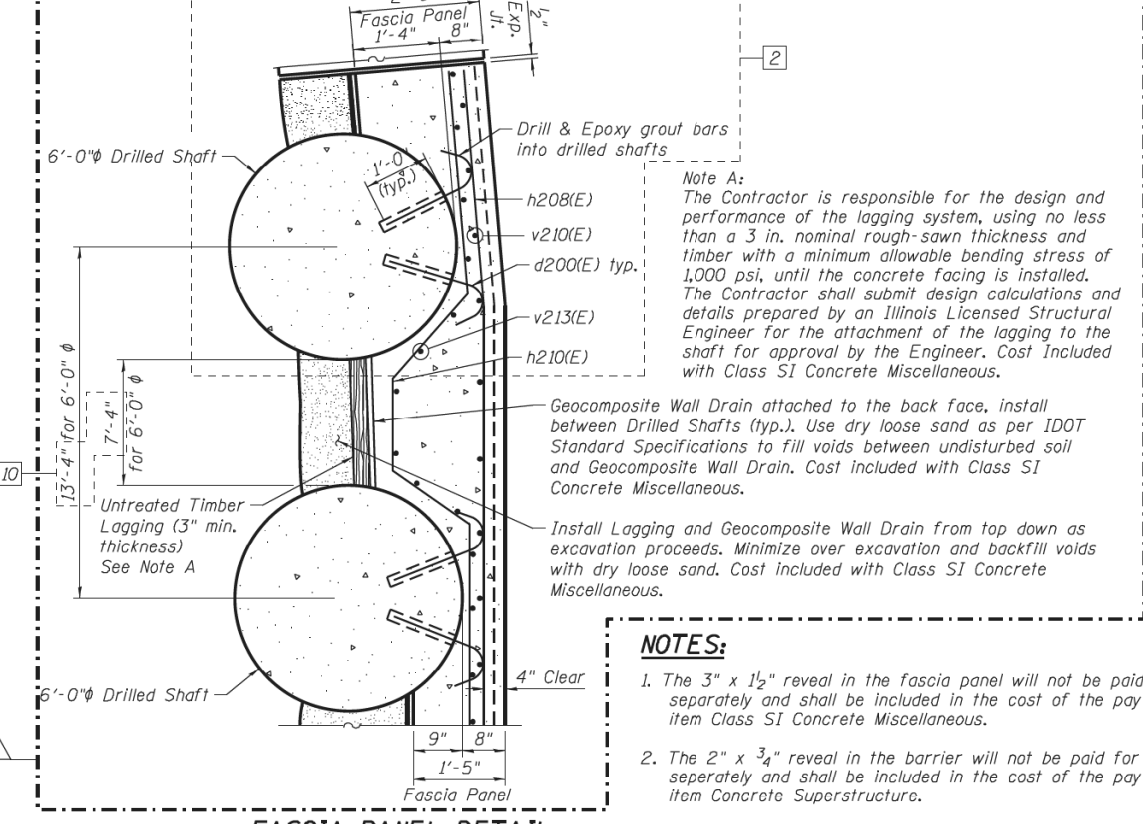
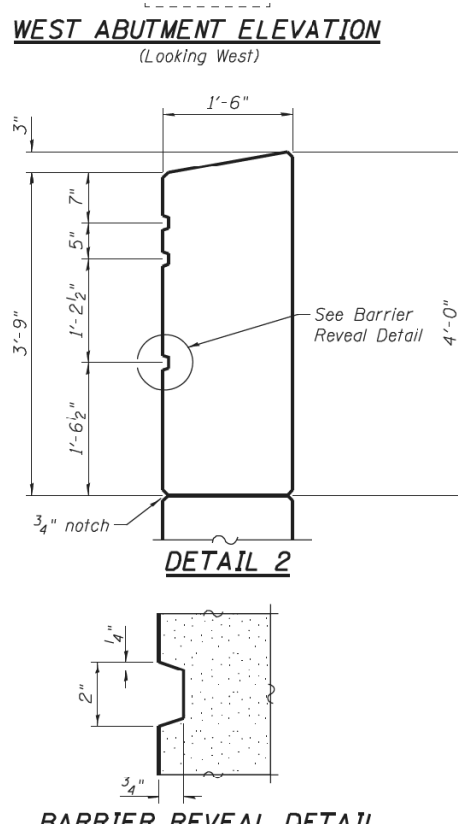
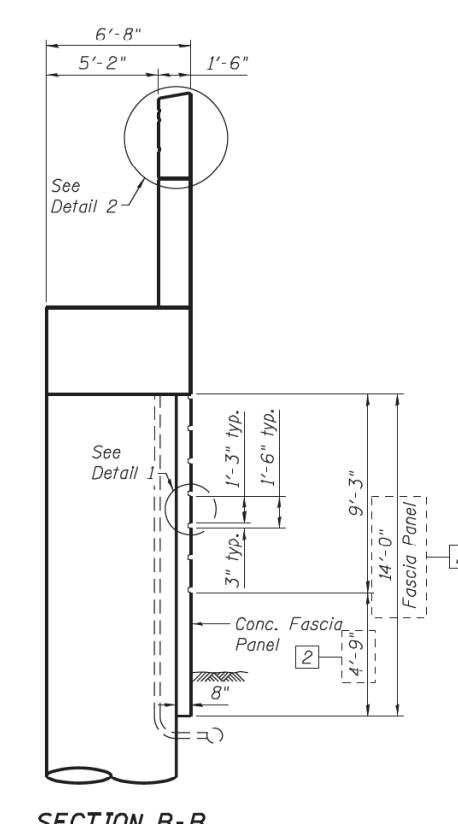
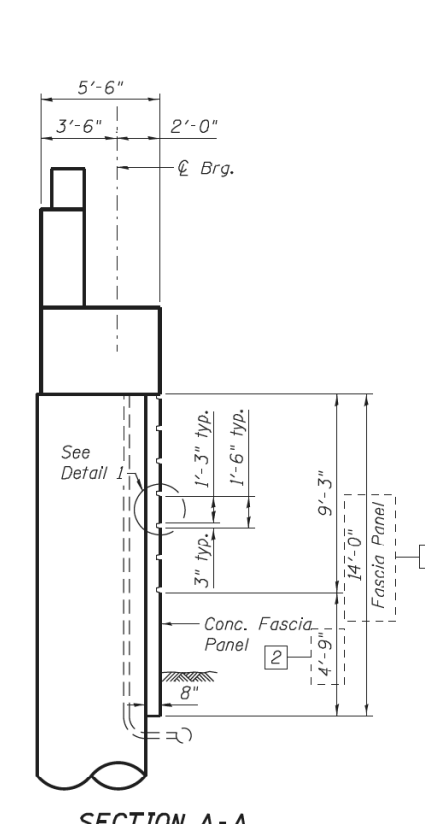
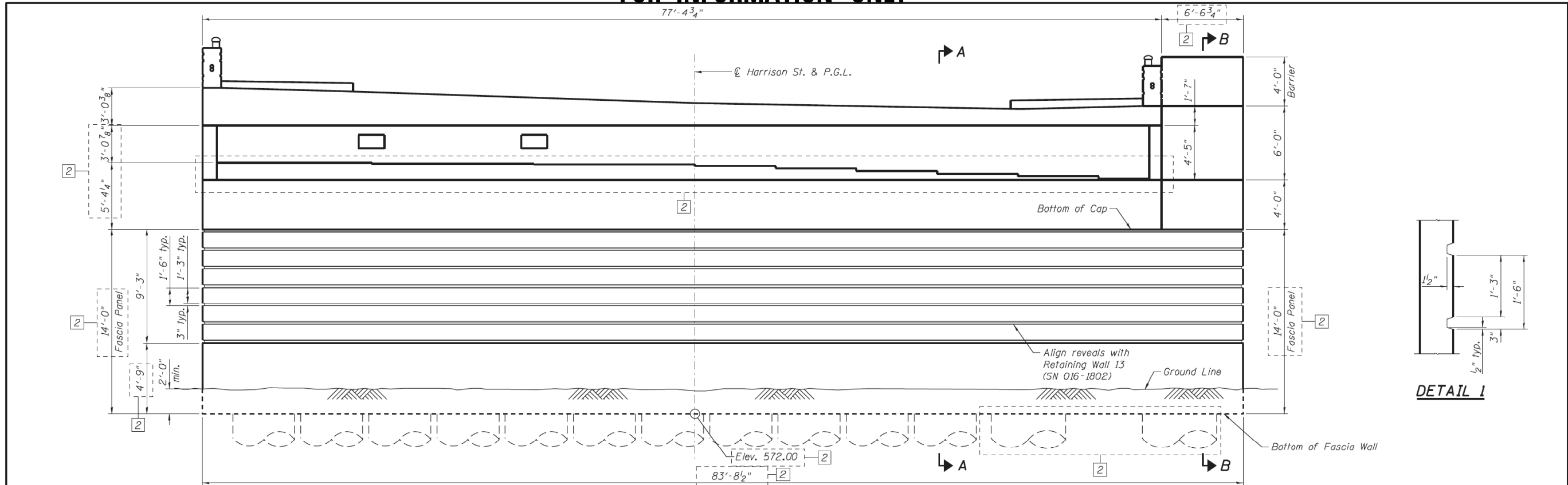
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING HARRISON STREET BRIDGE (SN 016-1713)
WEST ABUTMENT SECTION AND DETAILS

SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2015-022-1	COUNTY COOK	TOTAL SHEETS 275	SHEET NO. 216
CONTRACT NO. 62A74				ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY



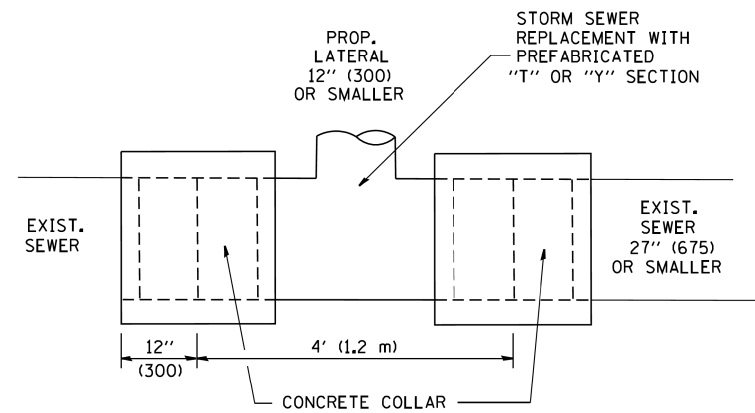
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	PLOT DATE = 9/15/2013	DRAWN - BRD	REVISED 06/30/2014 BMR, BRD
		CHECKED - EJO	REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				WEST ABUTMENT ARCHITECTURAL DETAILS				F.A.I. RTE. 90/94/290	SECTION 2013-00BR	COUNTY COOK	TOTAL SHEETS 559	SHEET NO. 287
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				WEST ABUTMENT SECTION AND DETAILS				CONTRACT NO. 60W26				
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				EXISTING HARRISON STREET BRIDGE (SN 016-1713)				CONTRACT NO. 62A74				
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				WEST ABUTMENT SECTION AND DETAILS				CONTRACT NO. 62A74				

AECOM	D162A74-SHT-EX-SN16-1713-06.dgn	DESIGNED - HA	REVISED -
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	PLOT DATE = 5/12/2017	DATE - 05/15/2017	REVISED -

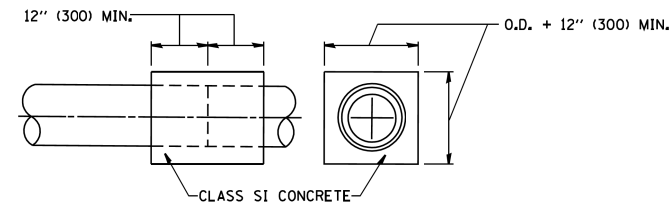
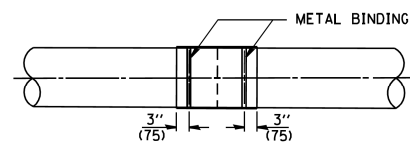
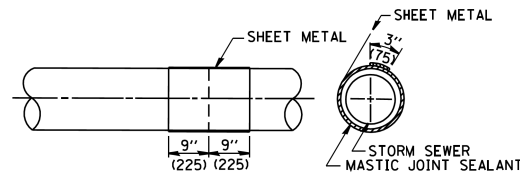
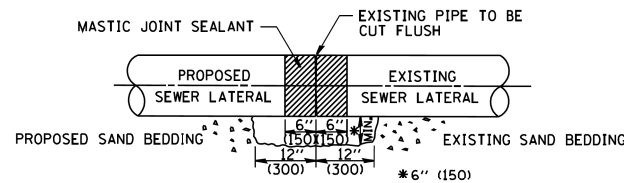
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				EXISTING HARRISON STREET BRIDGE (SN 016-1713)				F.A.I. RTE. 90/94/290	SECTION 2015-022-1	COUNTY COOK	TOTAL SHEETS 275	SHEET NO. 217
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				WEST ABUTMENT SECTION AND DETAILS				CONTRACT NO. 62A74				
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				WEST ABUTMENT SECTION AND DETAILS				CONTRACT NO. 62A74				
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				WEST ABUTMENT SECTION AND DETAILS				CONTRACT NO. 62A74				

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DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

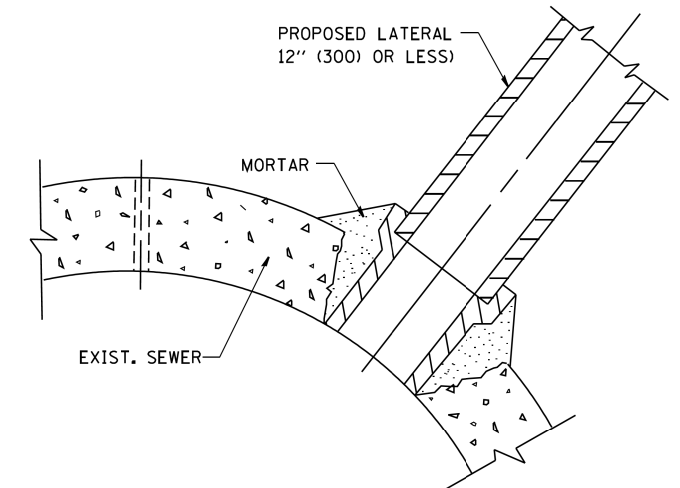


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT, BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 5' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 L1 (0,0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

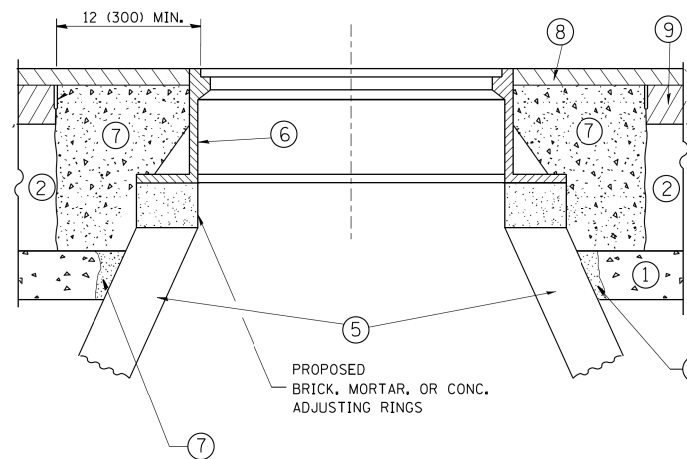
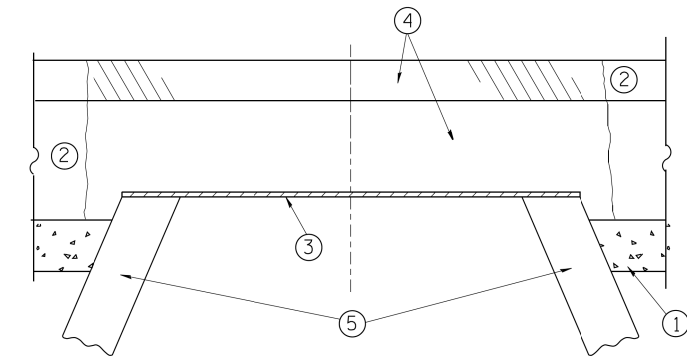
CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
* 90/94/290

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER**

FILE NAME = W:\diststd\22x34\bd07.dgn	USER NAME = geglionbt	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
							*	2015-022-1	COOK	275	218
					SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		BD500-01 (BD-7)		CONTRACT NO. 62A74		
					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						



NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN
* 90/94/290

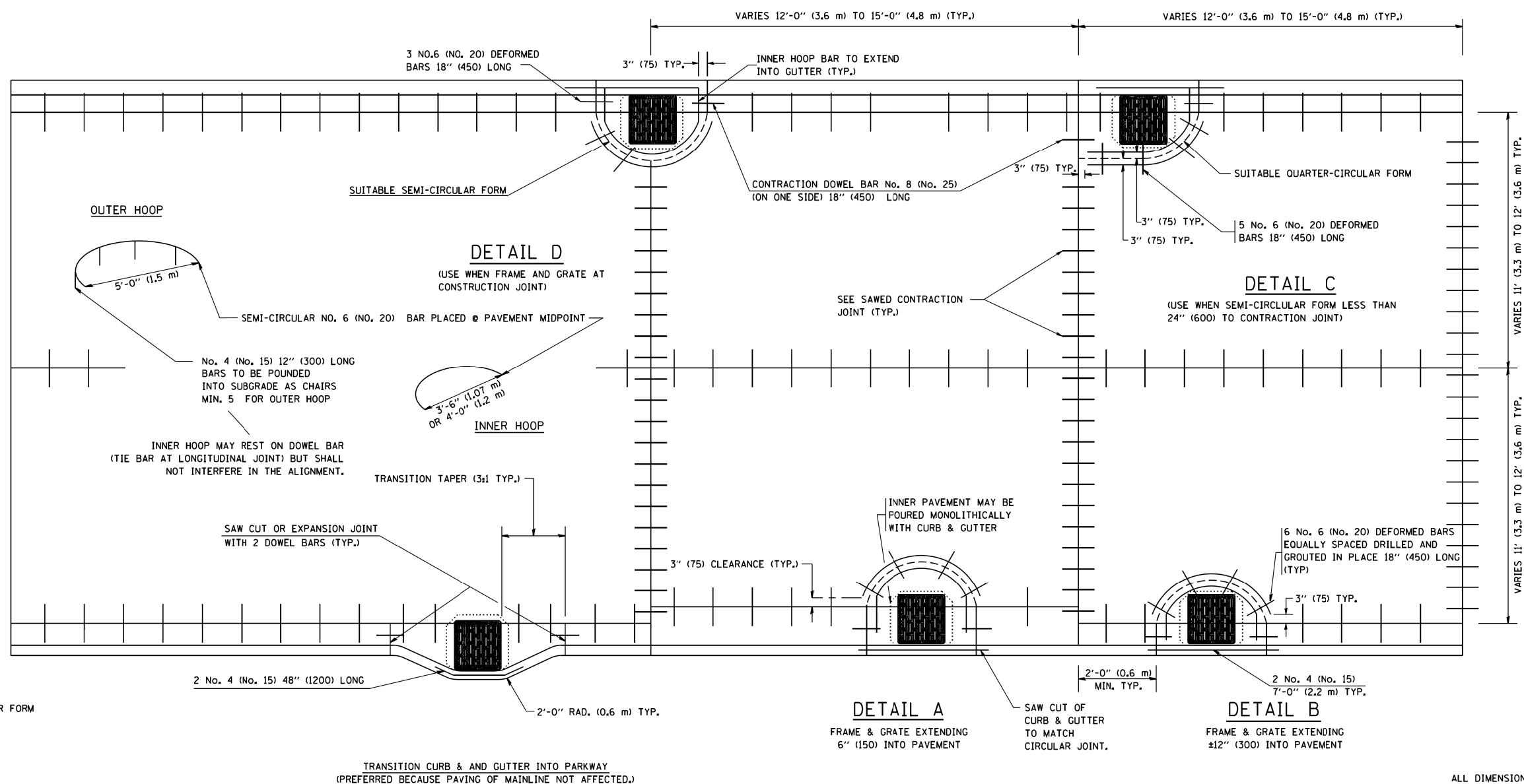
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ct\pwork\pwork\baerd1\d0108315\bd08.dgn		DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	2015-022-1	COOK	275	219
		PLOT SCALE = 1/8" = 1'-0"	REVISED - R. BORO 03-09-11					BD600-03 (BD-8)		CONTRACT NO. 62A74		
		PLOT DATE = 12/6/2011	REVISED - R. BORO 12-06-11					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FRAME EXTENSION INTO PAVEMENT	INNER HOOP REINFORCEMENT DIAMETER	SEMI CIRCULAR FORM DIAMETER	OUTER HOOP REINFORCEMENT DIAMETER
UP TO 8" (200)	3'-6" (1.1 m)	4'-0" (1.2 m)	5'-0" (1.5 m)
> 8" (200) TO 14" (360)	4'-0" (1.2 m)	4'-6" (1.4 m)	5'-0" (1.5 m)

DESIGNER NOTE:
THIS DETAIL IS TO BE USED
WHEN THE GUTTER FLAG IS
LESS THAN 24"

NOTES :

1. THE ROUNDOUT AND ADDED REINFORCEMENT WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PAVEMENT.
2. TRANSVERSE JOINTS MAY BE MOVED TO ACCOMMODATE ROUNDOUT, EDGE OF CIRCULAR JOINT SHALL BE MINIMUM 12" (300) FROM TRANSVERSE JOINT, RELOCATED TRANSVERSE JOINT SHALL BE CONTINUOUS FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT.
3. SEMI-CIRCULAR FORM SHALL BE REMOVED PRIOR TO DRILL AND GROUT OF TIE BARS.
4. ALL REINFORCED BARS SHALL BE EPOXY COATED.
5. DRILL AND GROUT IS PREFERRED, HOWEVER TIE BARS CAN BE POURED IN PLACE IF CLEARANCE IS PROVIDED TO OUTER EDGE OF FRAME. MINIMUM 2" (50) CLEARANCE.
6. WOOD SHIMS SHALL BE USED TO ADJUST ALL FRAMES. AFTER ADJUSTING MORTAR HAS CURED, THE WOOD SHIMS SHALL BE REMOVED AND THE VOIDS UNDER THE FRAMES FILLED WITH NON SHRINK GROUT.
7. HOOP REINFORCEMENT SHALL BE ONE PIECE CONSTRUCTION.
8. CIRCULAR FRAMES AND GRATES MAY BE SUBSTITUTED.
9. CURB DOWELS MUST BE PLACED LEVEL & TRUE TO ALLOW CONTRACTION MOVEMENT.



LEGEND:
 CASTING
 - - - - - SUITABLE SEMI-CIRCULAR FORM

ALL DIMENSIONS ARE IN INCHES
(MILLIMETERS) UNLESS OTHERWISE NOTED

* 90/94/290

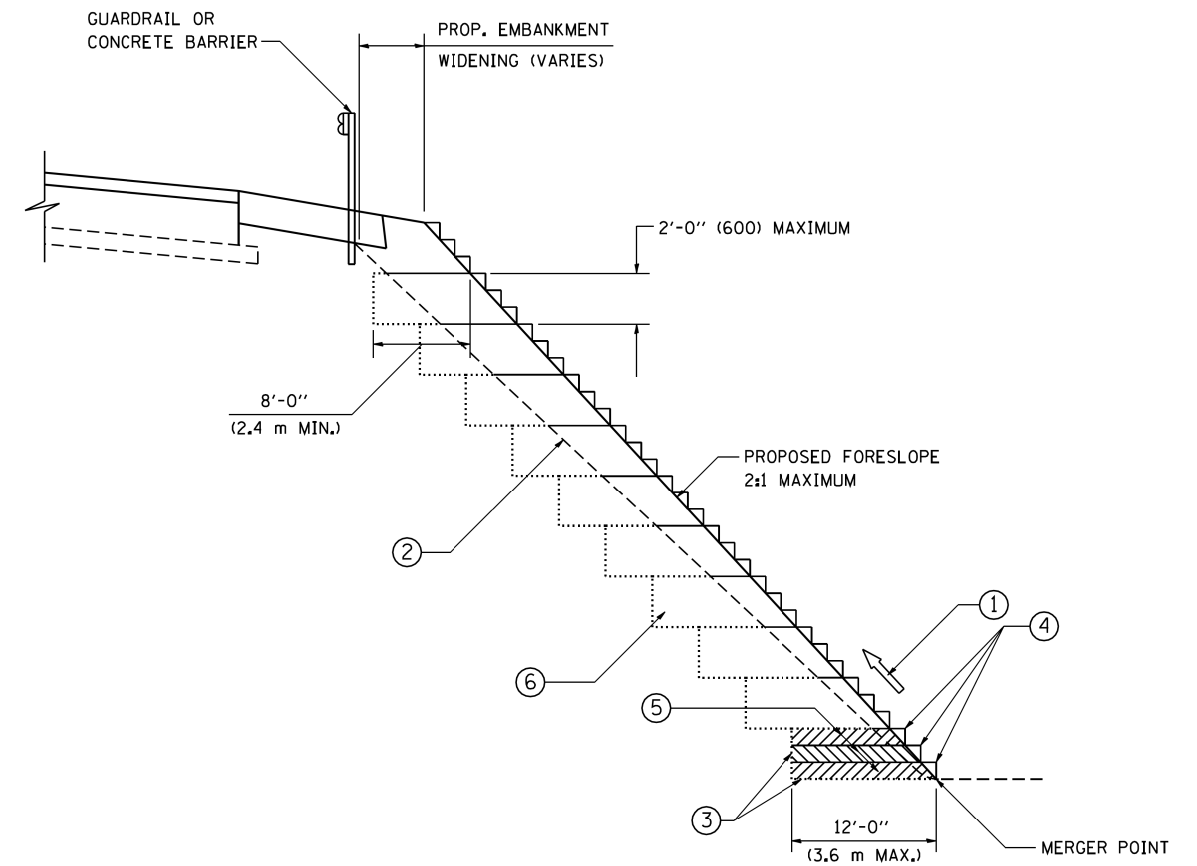
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		DRAWN - TOM MATOUSEK	REVISED - T. MATOUSEK 10-02-00
	PLOT SCALE = 50.0000' / IN.	CHECKED - A. ABBAS	REVISED - T. MATOUSEK 04-25-02
	PLOT DATE = 1/4/2008	DATE - 01-04-99	REVISED - P. LAFLEUR 08-27-02

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PCC PAVEMENT ROUNDOUTS AT
CURB AND GUTTER

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2015-022-1	COOK	275	220
BD-48		CONTRACT NO. 62A74		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

* 90/94/290 UNLESS OTHERWISE SHOWN.

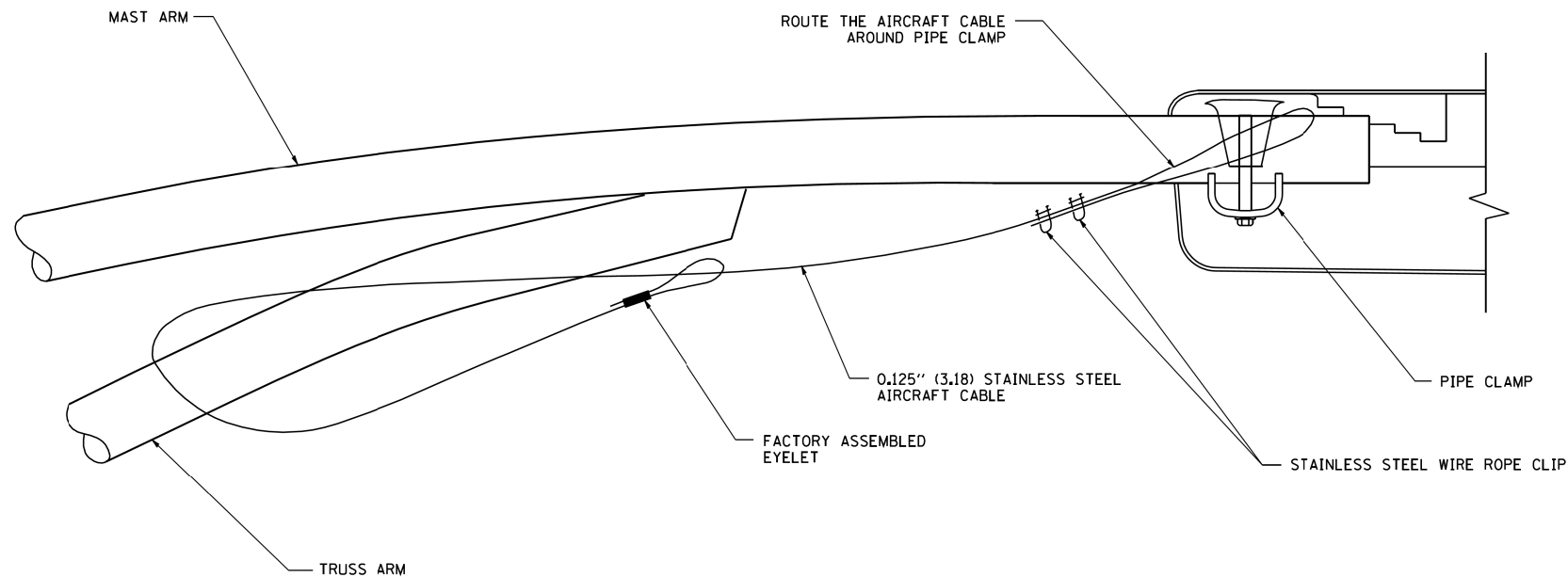
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BENCHING DETAIL
FOR EMBANKMENT WIDENING**

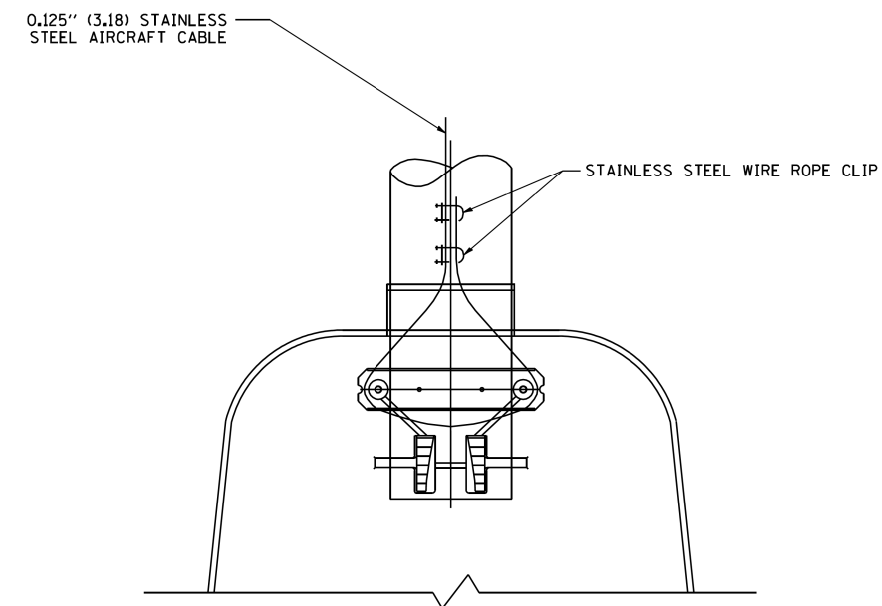
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2015-022-1	COOK	275	221
BD-51		CONTRACT NO. 62A74		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

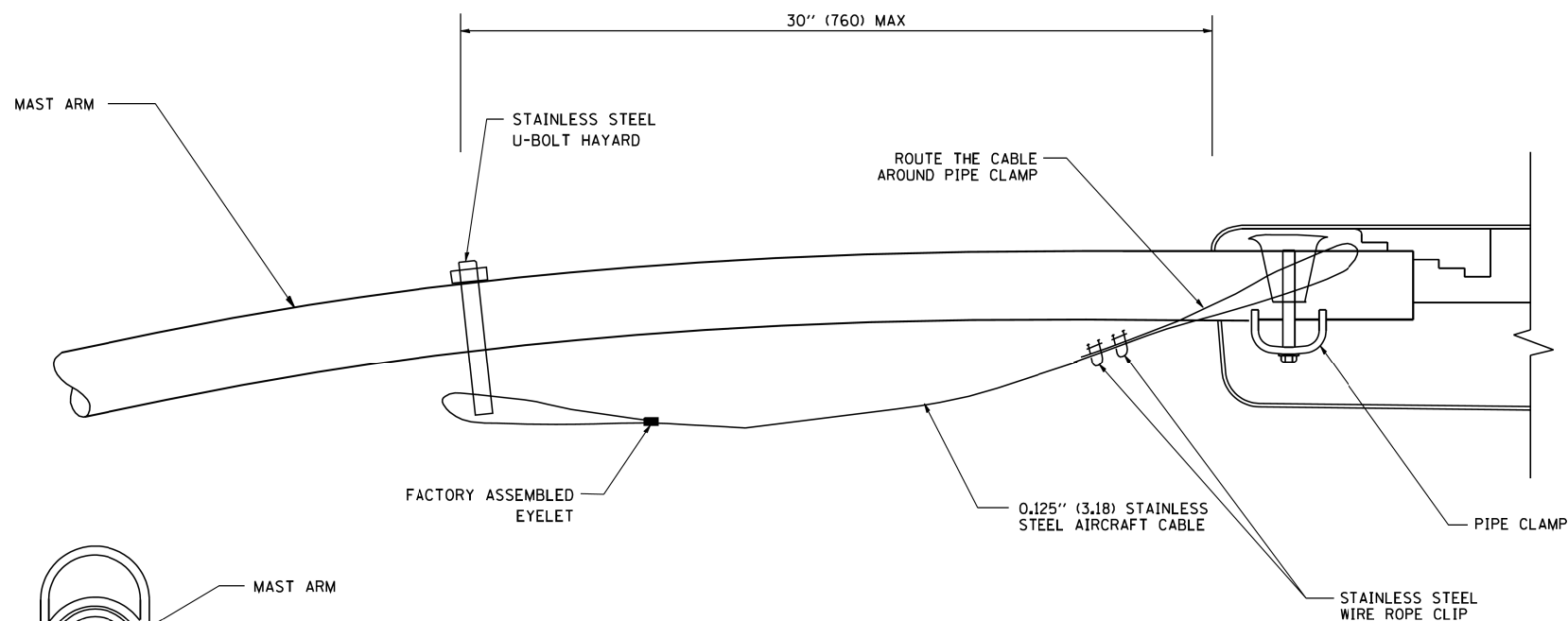
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		DRAWN - CADD	REVISED -
		CHECKED - S.E.B.	REVISED -
		DATE - 06-16-04	REVISED -



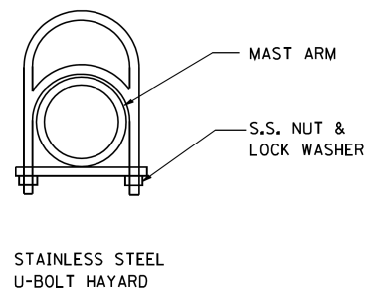
SIDE VIEW (TRUSS ARM)
N.T.S.



BOTTOM VIEW
N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.



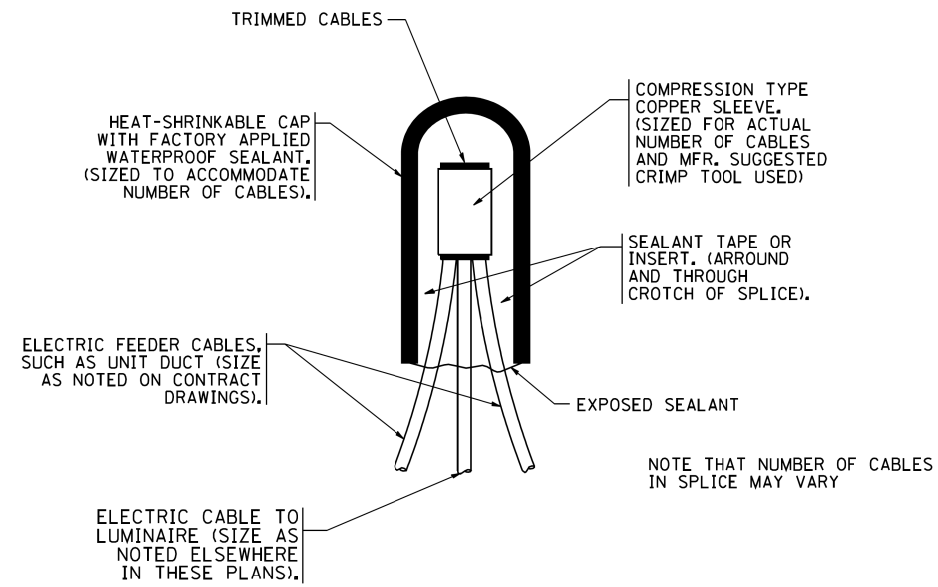
STAINLESS STEEL
U-BOLT HAYARD

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

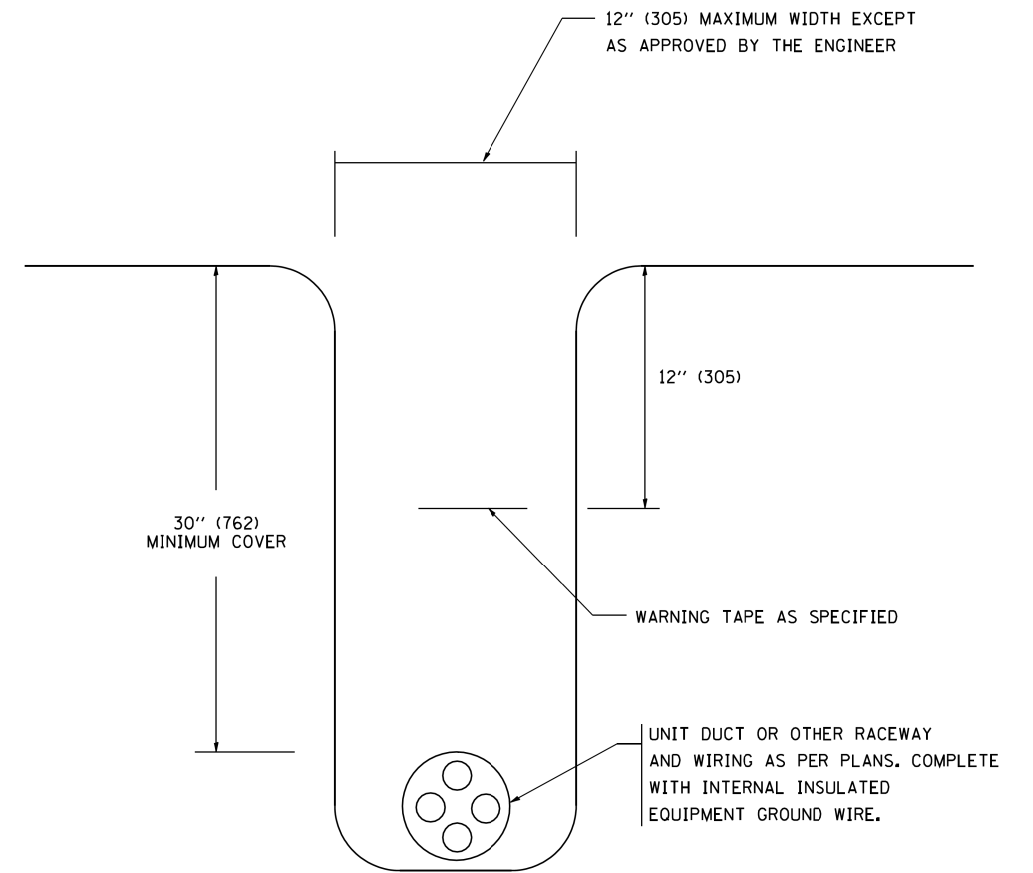
* 90/94/290

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	PLOT SCALE = 50,000 ' / IN.	DRAWN -	REVISED -					*	2015-022-1	COOK	275	222
PLOT DATE = 1/4/2008	CHECKED -	REVISED -	SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BE-701		CONTRACT NO. 62A74		
	DATE -	REVISED -						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



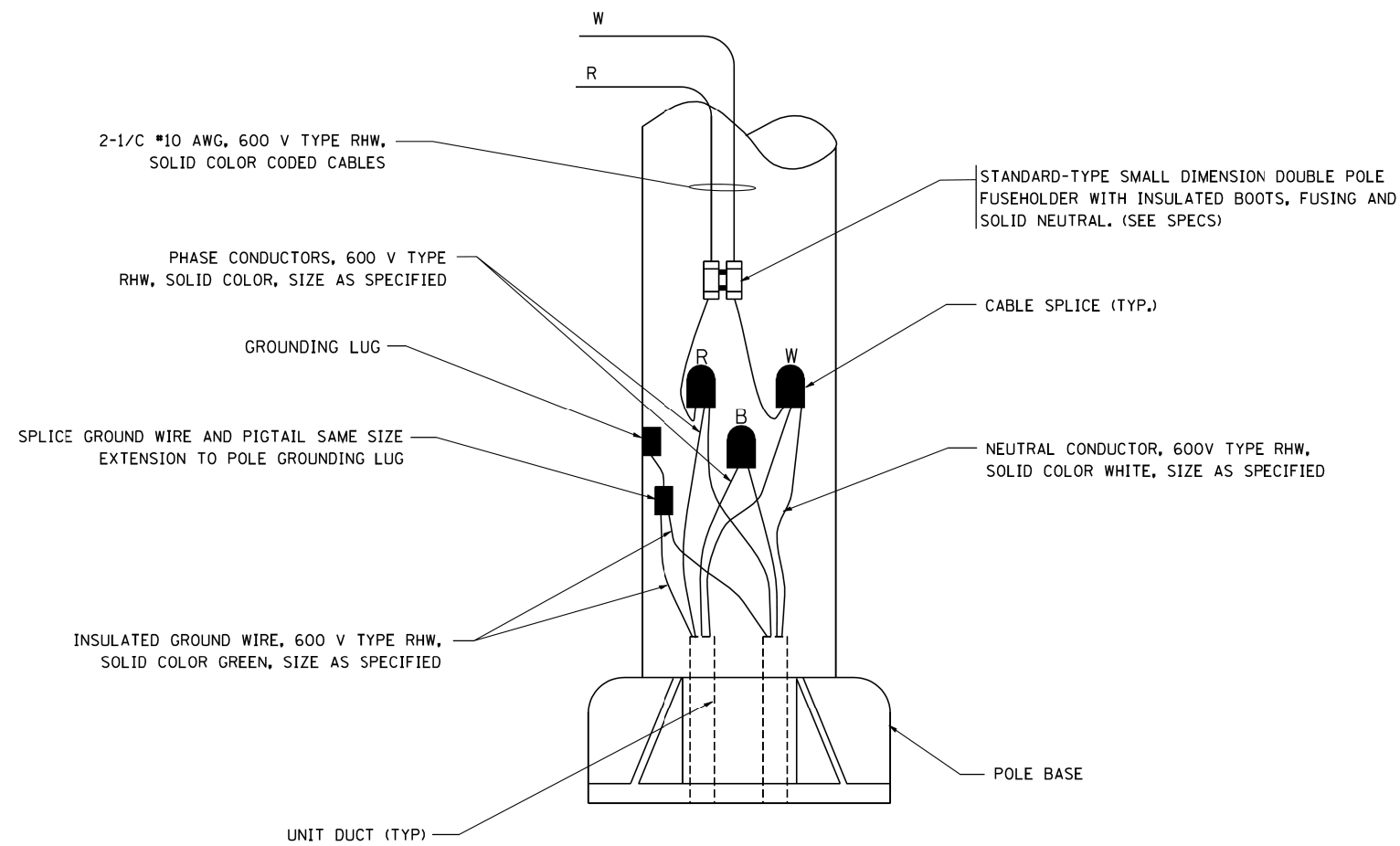
TYPICAL SPLICE DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.

* 90/94/290

FILE NAME =
W:\diststd\22x34\be702.dgn

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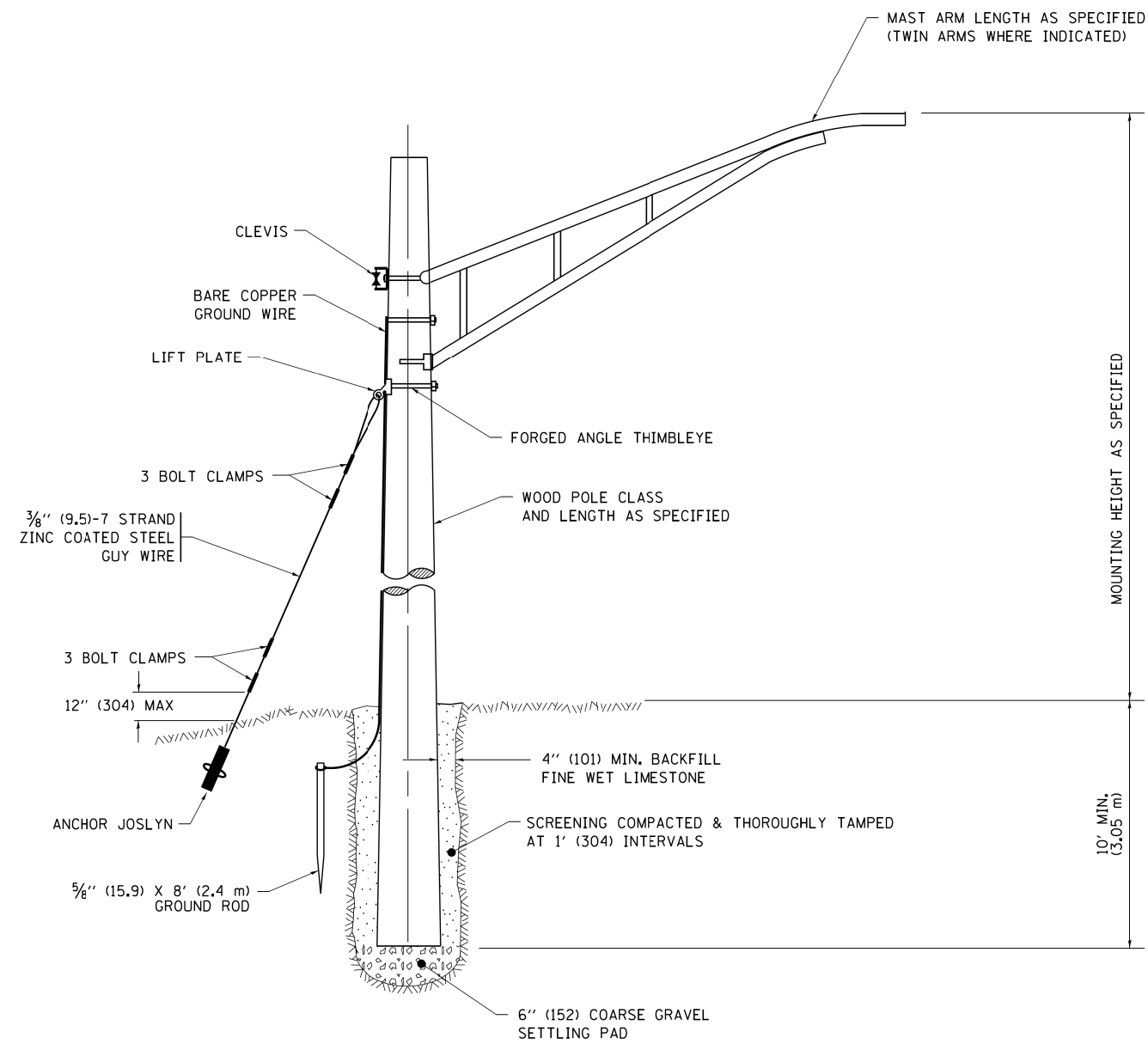
DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED - 08-08-03
REVISED -
REVISED -
REVISED -

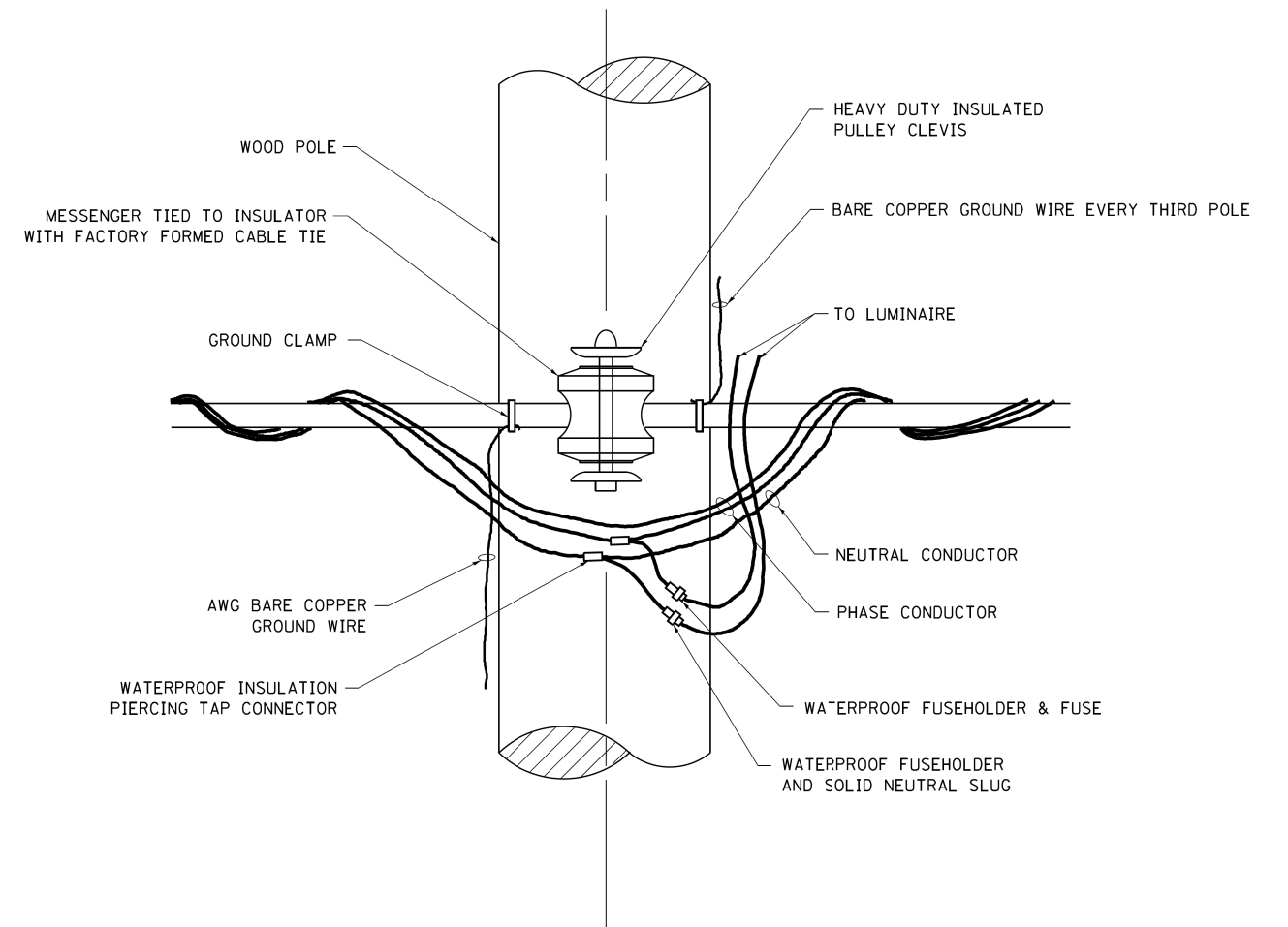
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MISC. ELECTRICAL DETAILS
SHEET A**
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2015-022-1	COOK	275	223
BE-702			CONTRACT NO. 62A74	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TEMPORARY LIGHT POLE DETAIL



TEMPORARY LIGHT POLE ATTACHMENT DETAIL

NOTE:

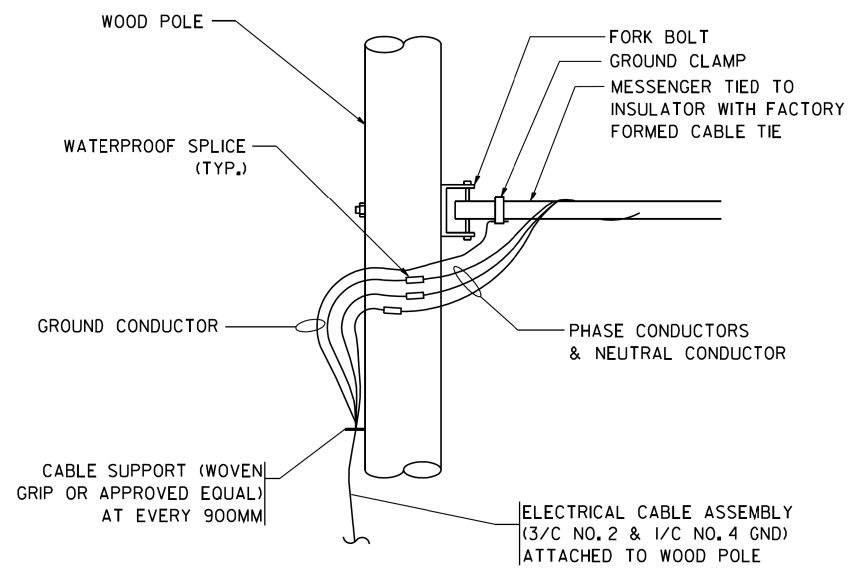
1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.

* 90/94/290

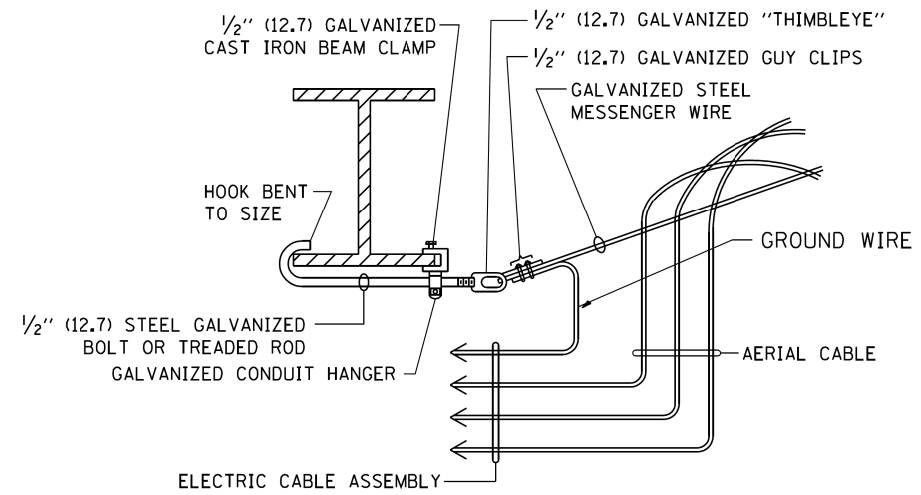
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHT POLE DETAILS

FILE NAME =	USER NAME = foatemj	DESIGNED -	REVISED - 08-08-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY LIGHT POLE DETAILS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
pw:\IL\084EBID\INTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District -\Projects\Dist		DRAWN	REVISED - R.T. 07-26-16		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	BE-800	CONTRACT NO. 62A74	275	224
Default	PLOT SCALE = 50,000 ' / in.	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT									
	PLOT DATE = 9/11/2016	DATE -	REVISED -											



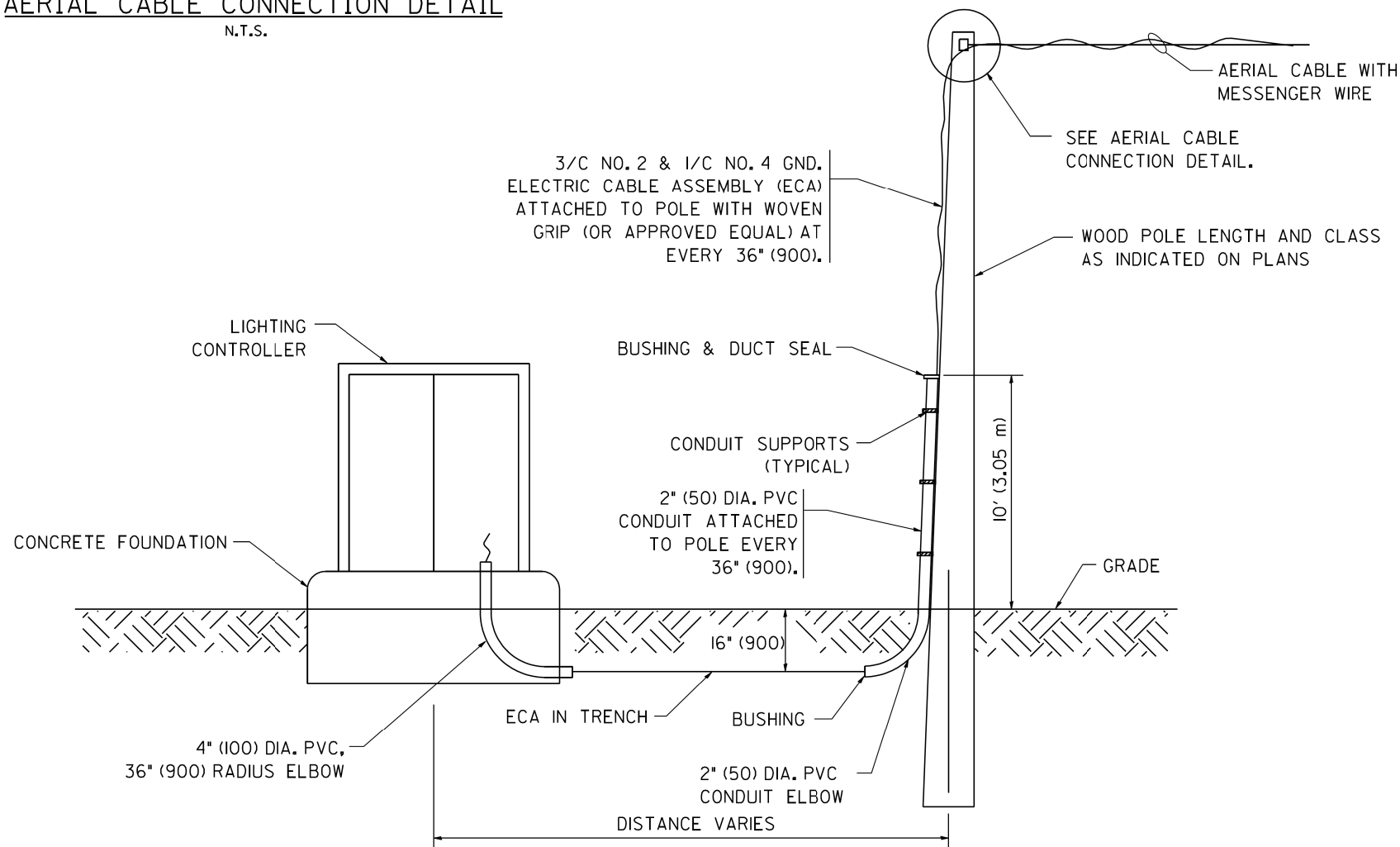
AERIAL CABLE CONNECTION DETAIL
N.T.S.



AERIAL CABLE ATTACHED TO STRUCTURE
NOT TO SCALE

NOTES:

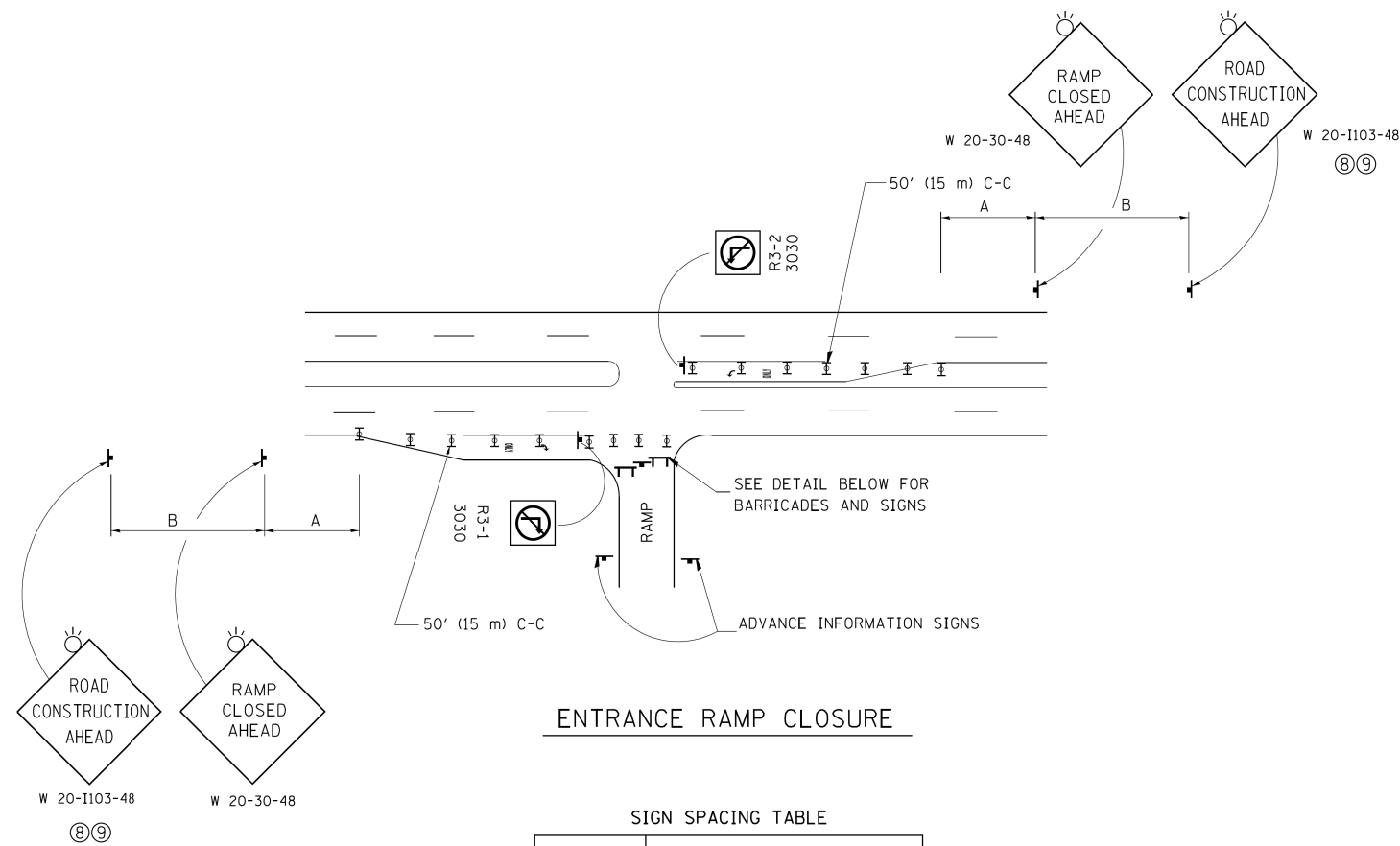
1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.



WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL
N.T.S.

* 90/94/290

FILE NAME = W:\diststd\22x34\be001.dgn	USER NAME = geglionbt	DESIGNED -	REVISED - 08-08-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY AERIAL CABLE INSTALLATION			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50,000 ' / IN.	DRAWN -	REVISED -					*	2015-022-1	COOK	275	225
	PLOT DATE = 1/4/2008	CHECKED -	REVISED -		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.			BE-801		CONTRACT NO. 62A74		
		DATE -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

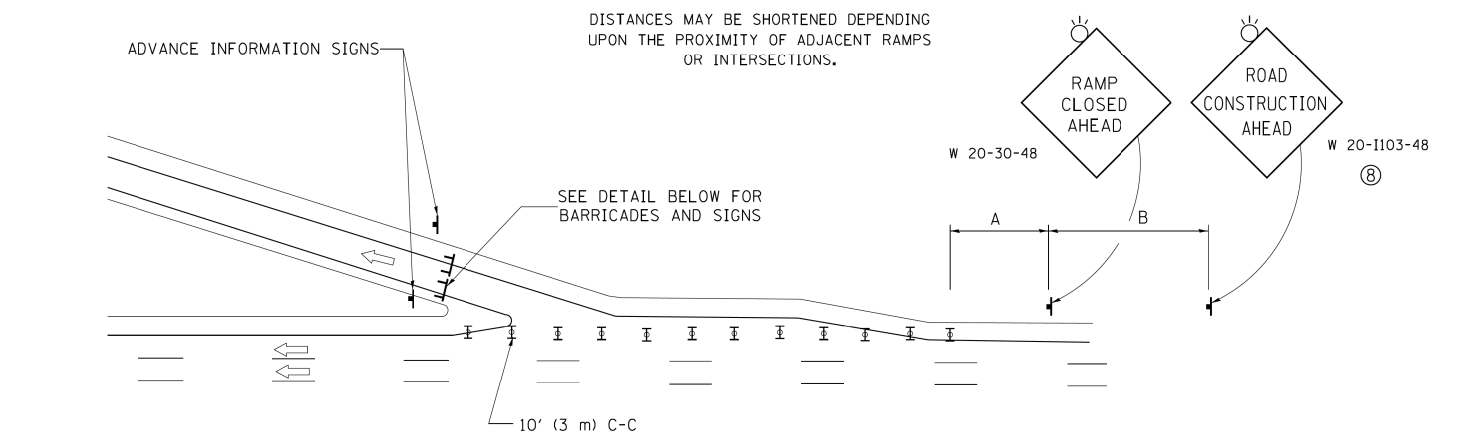


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

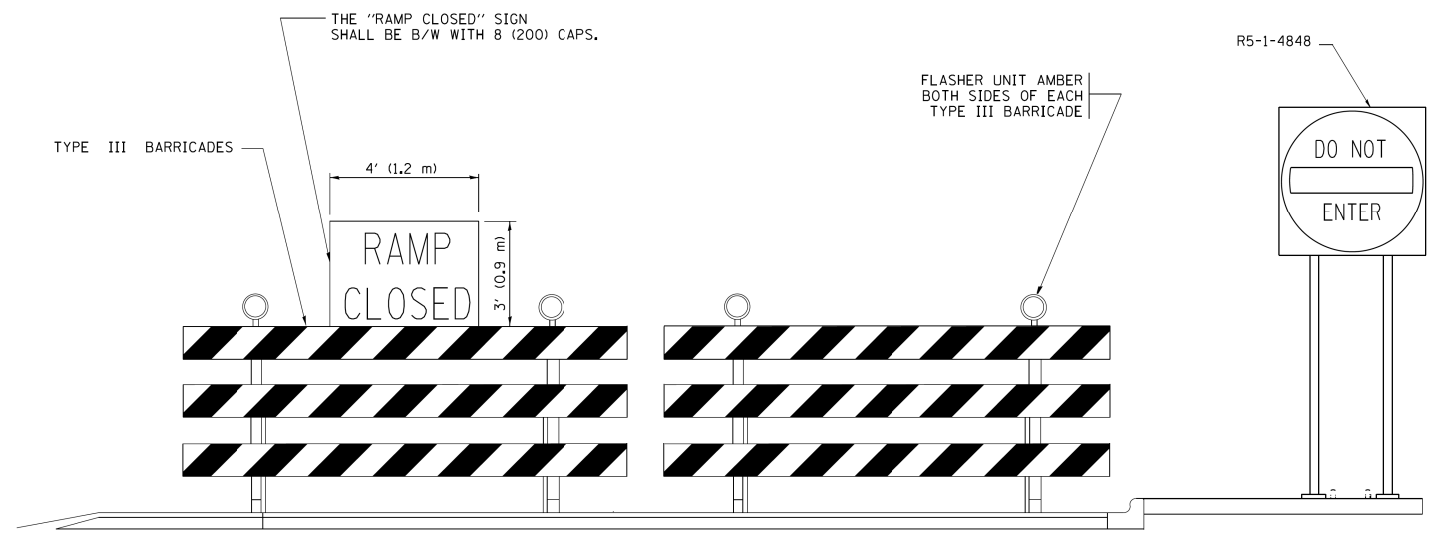
FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



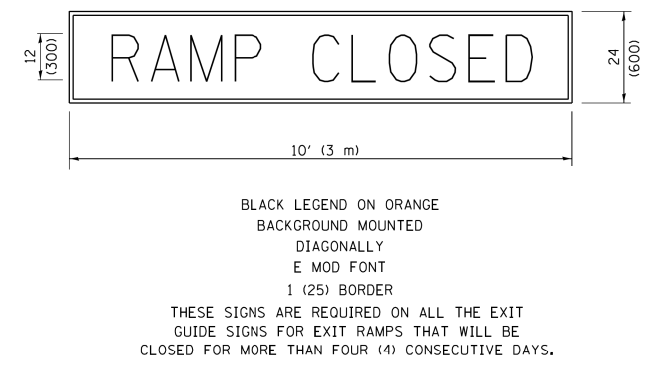
EXIT RAMP CLOSURE

- SYMBOLS**
- ▬ TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
 - ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



DETAIL FOR REQUIRED BARRICADES & SIGNS

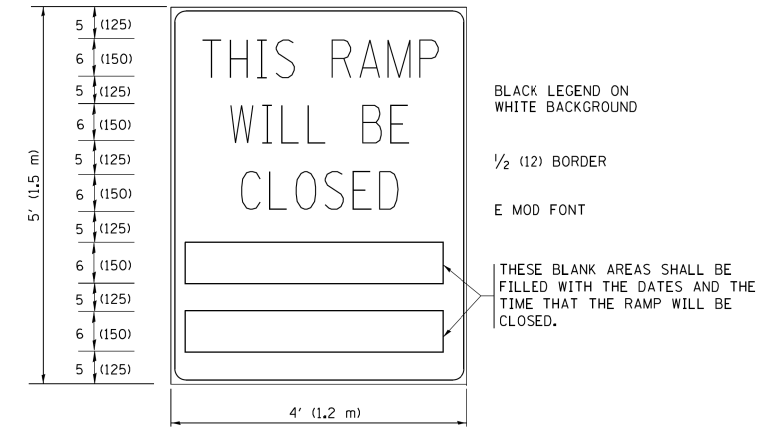
RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE BACKGROUND
1/2 (12) BORDER
E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.
THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

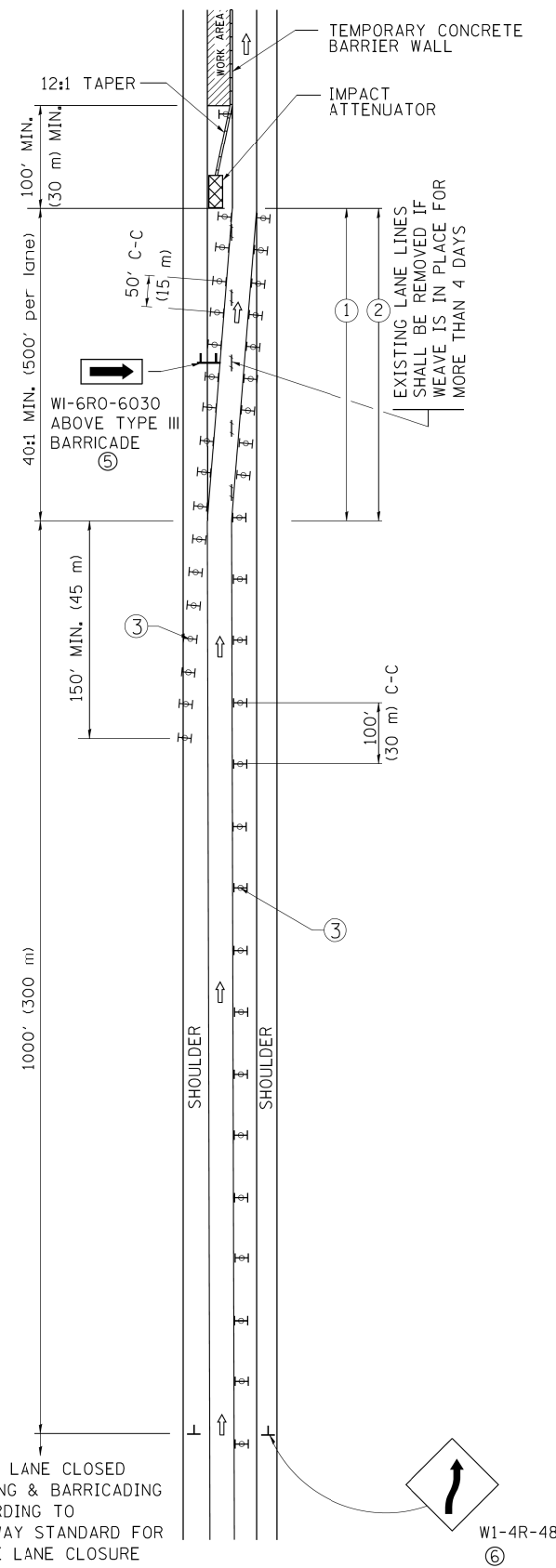
GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

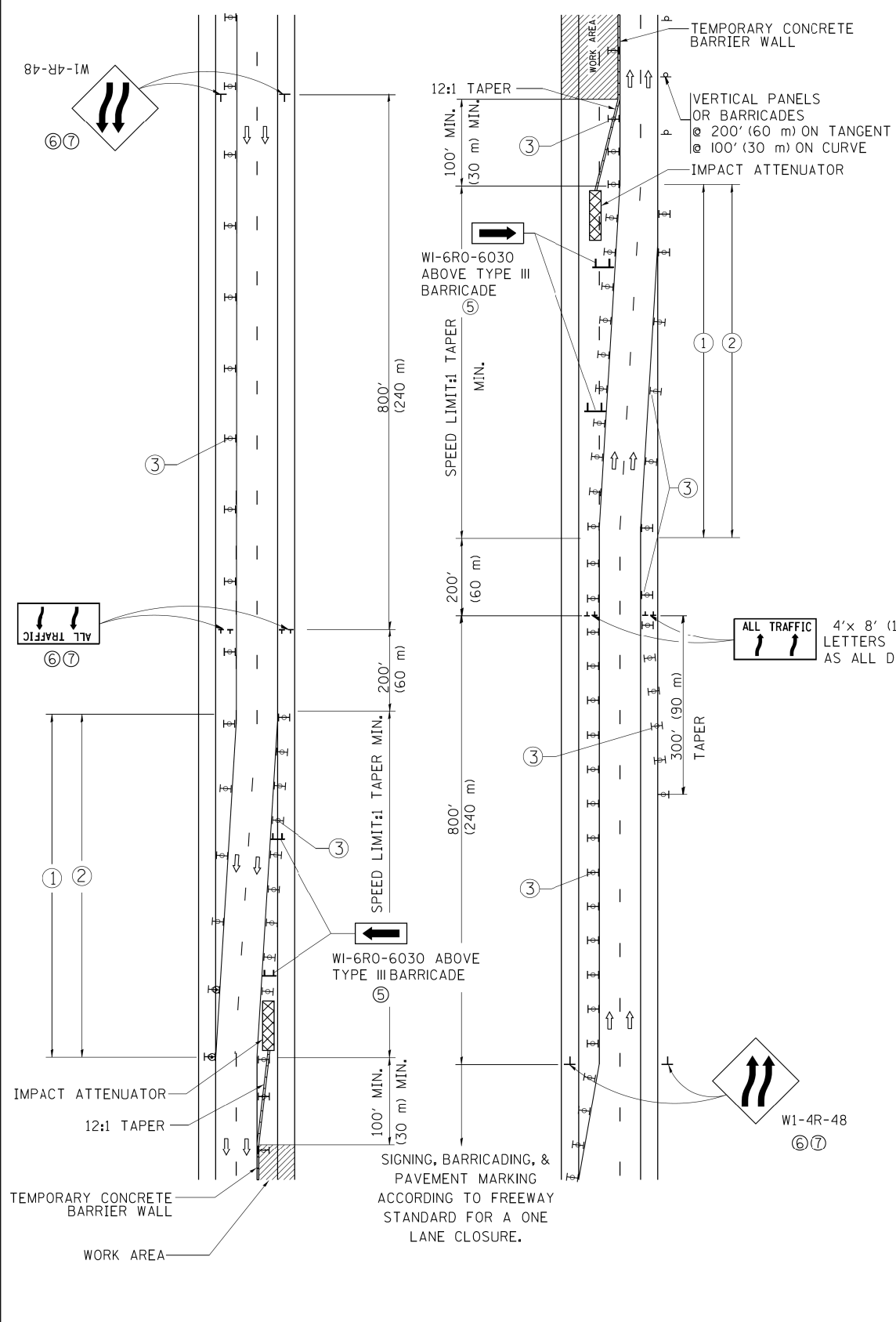
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

* 90/94/290

SINGLE LANE WEAVE



MULTI-LANE WEAVE



GENERAL NOTES

- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- ⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- ⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MCNO-DIRECTIONAL STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATOR
- W24-1-48

RIGHT LANE CLOSED
SIGNING & BARRICADING
ACCORDING TO
FREEWAY STANDARD FOR
A ONE LANE CLOSURE

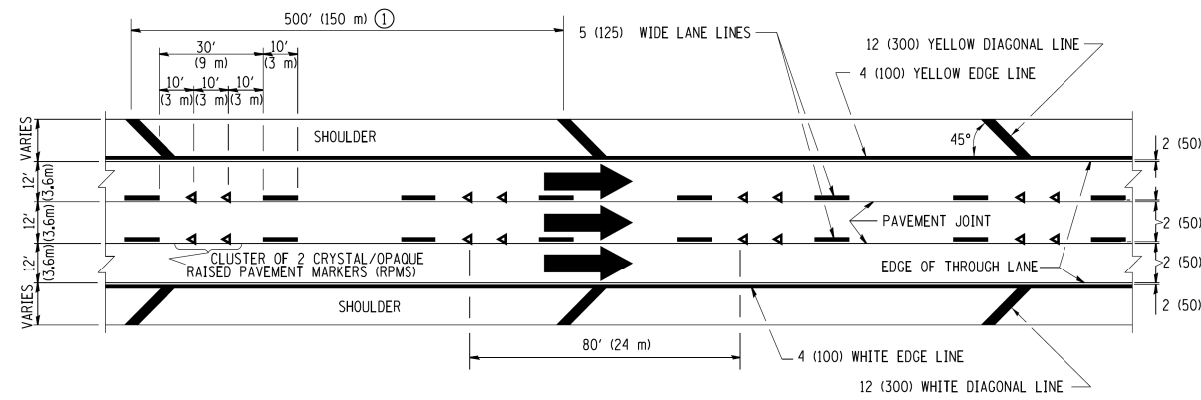
SIGNING, BARRICADING, &
PAVEMENT MARKING
ACCORDING TO FREEWAY
STANDARD FOR A ONE
LANE CLOSURE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN
* 90/94/290

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR
FREEWAY SINGLE & MULTI-LANE WEAVE

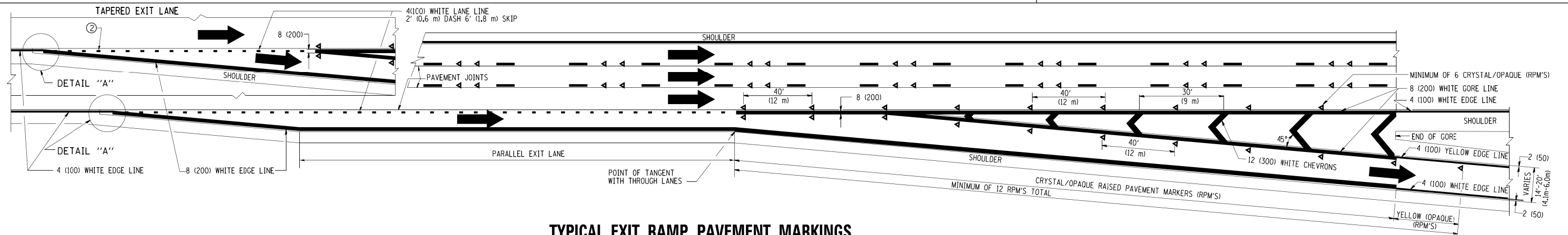
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PLOT DATE = 7/11/2013	CHECKED -	DATE - 02-87	REVISED - SPB 12-09				TC-09		CONTRACT NO. 62A74		
	CHECKED -	DATE - 02-87	REVISED - MD 06-13				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



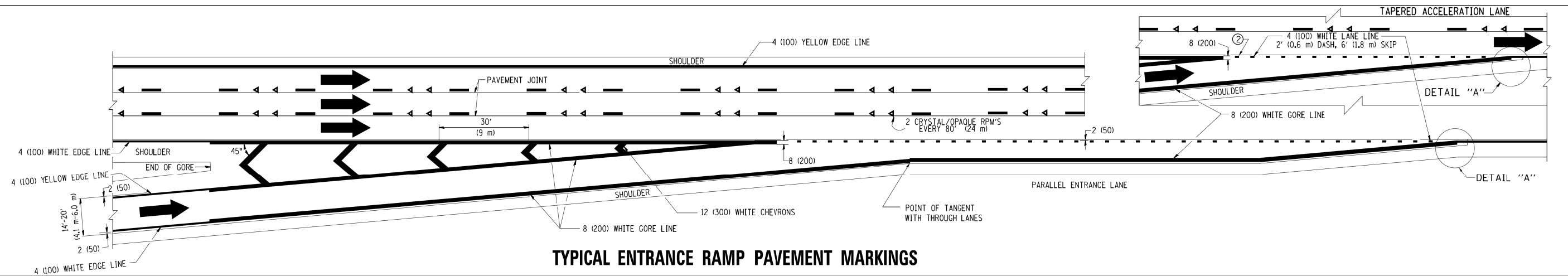
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
2. PREFORMED PLASTIC TYPE B PAVEMENT MARKING LINE; INLAID OR GROOVED IN SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENT PROJECTS.
3. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC PROJECTS.



TYPICAL EXIT RAMP PAVEMENT MARKINGS



TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



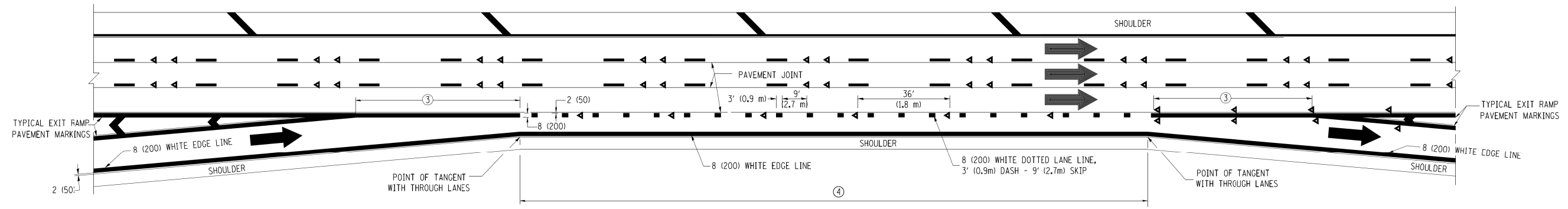
LANE REDUCTION PAVEMENT MARKINGS

POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)

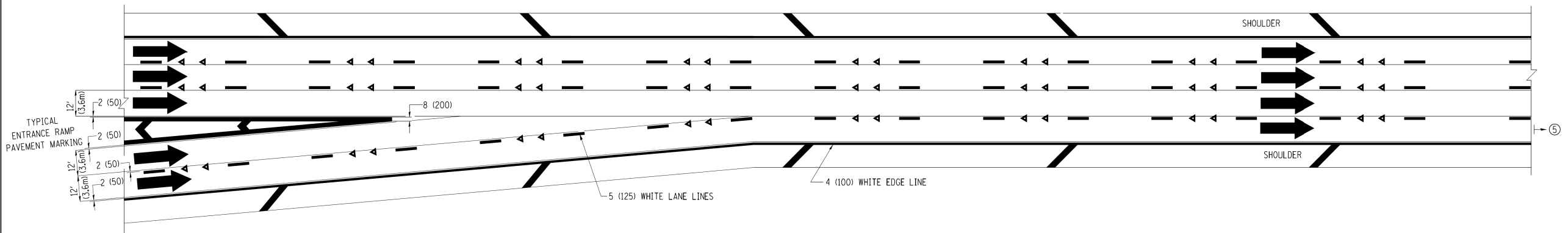
NOTES:

- ① THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
- ② 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

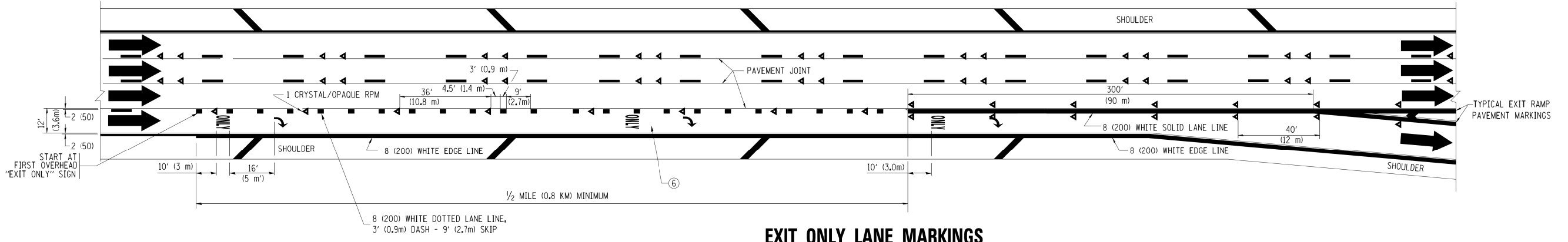
* 90/94/290



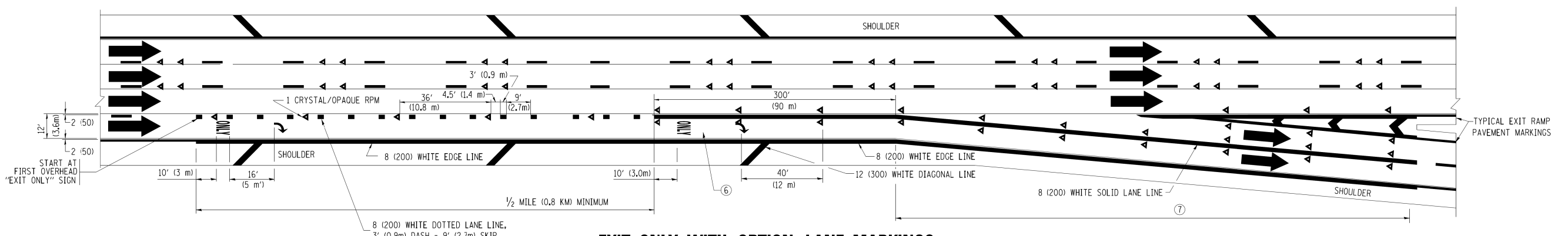
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS

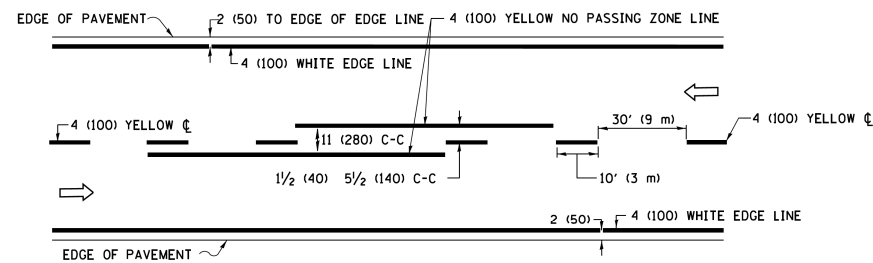


EXIT ONLY LANE MARKINGS

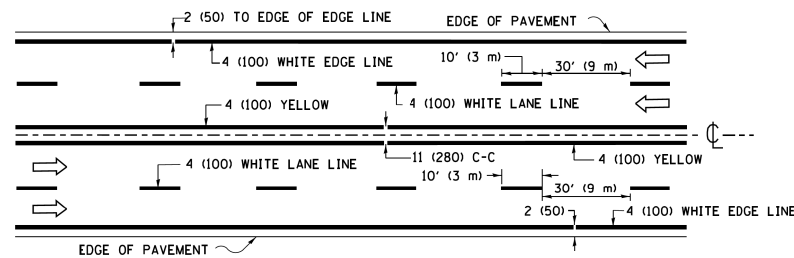


EXIT ONLY WITH OPTION LANE MARKINGS

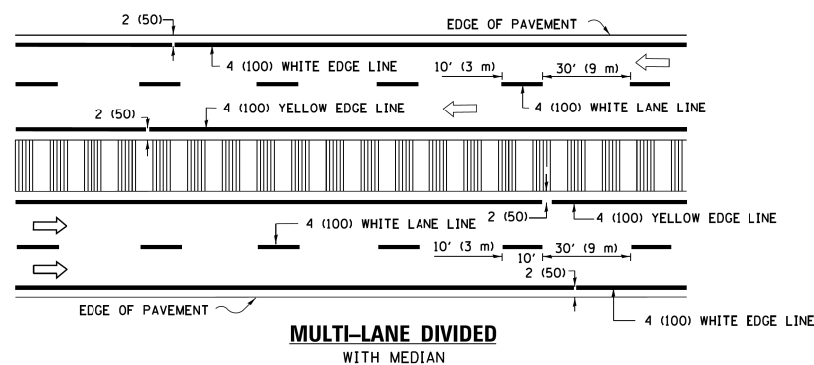
- NOTES**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
 - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
 - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
 - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
 - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.



2-LANE ROADWAY

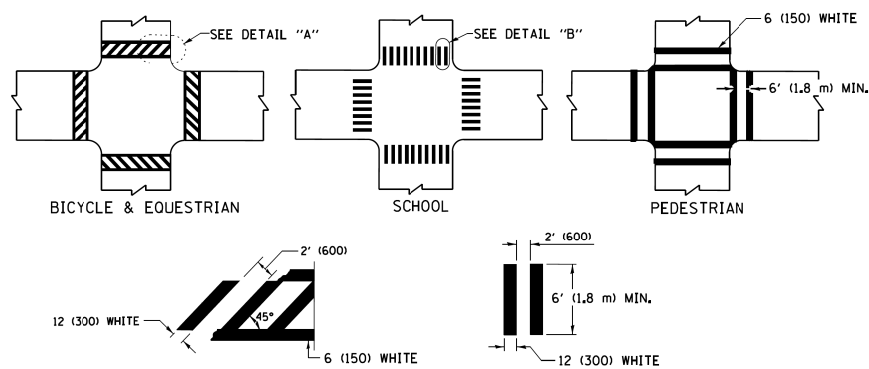


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

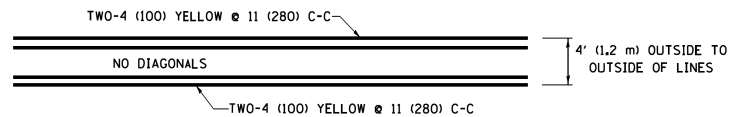


DETAIL "A"

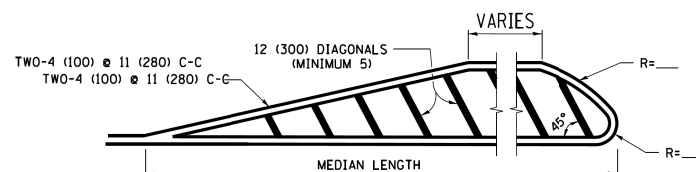
DETAIL "B"

TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



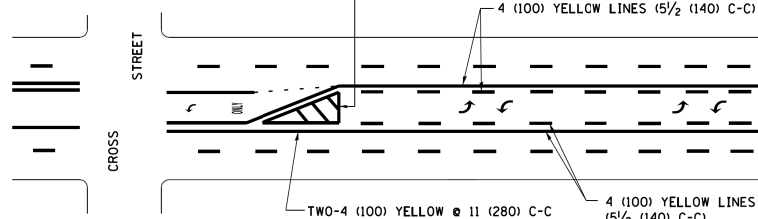
4' (1.2 m) WIDE MEDIANS ONLY



FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

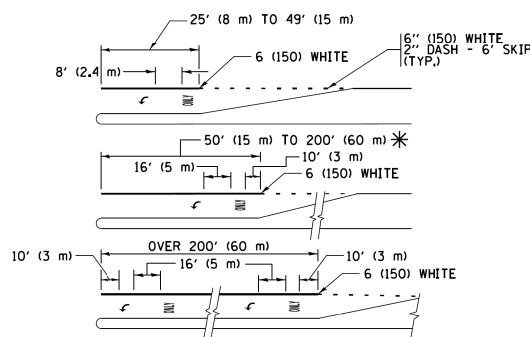
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

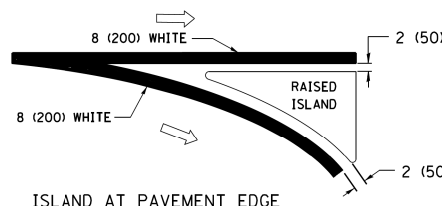
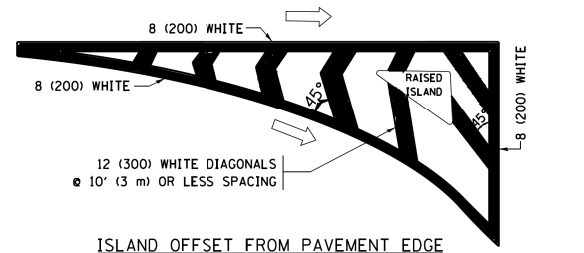


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

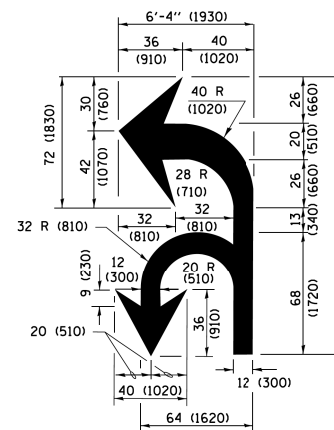
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

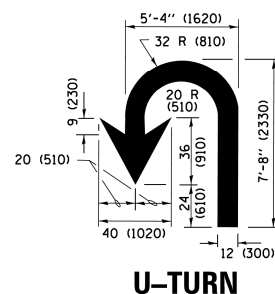
TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 8' (2.4 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT; OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R": 3.6 SQ. FT. (0.33 m ²) EACH "X": 54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

* 90/94/290

FILE NAME =	USER NAME = foatemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw:\l\084EBID\INTEG.\illinois.gov\PIW00\Documents\IDOT Offices\District\Projects\Dist...	PROJECT =	DRAWN -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 50,000' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 4/13/2016	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

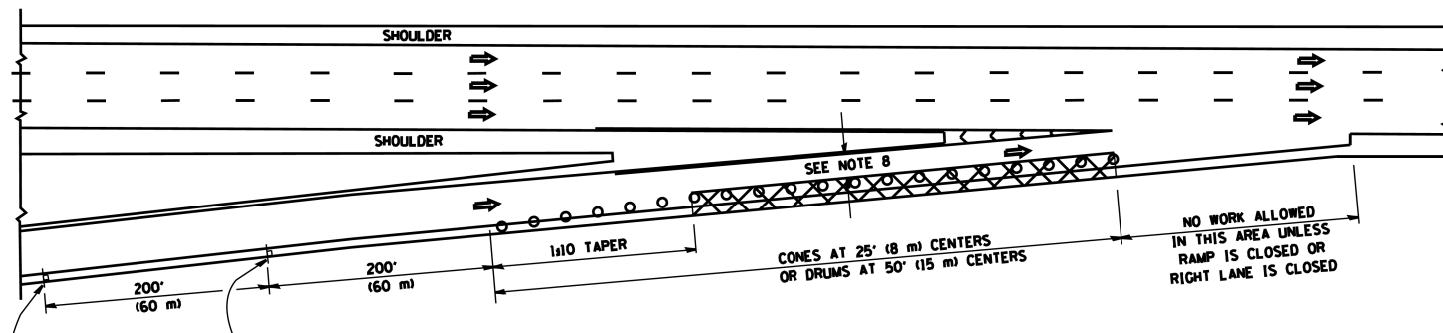
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

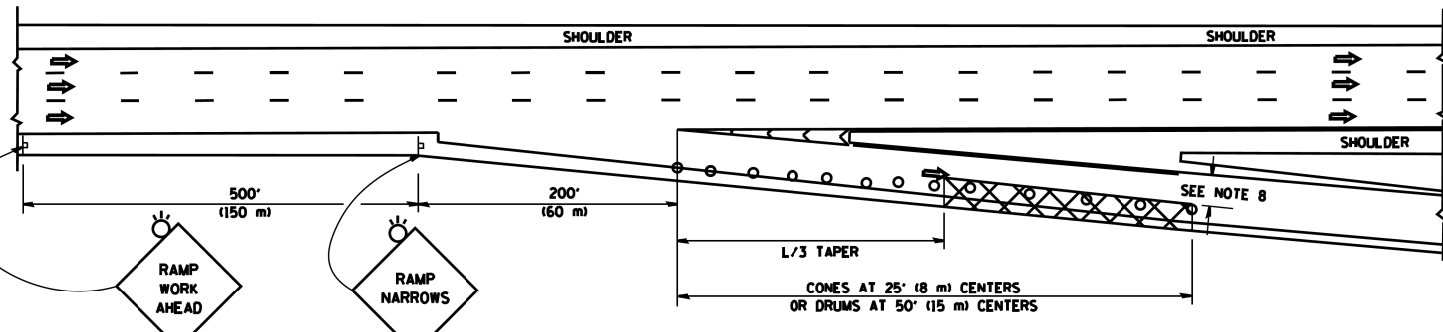
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2015-022-1	COOK	275	230
TC-13			CONTRACT NO. 62A74	
ILLINOIS FED. AID PROJECT				

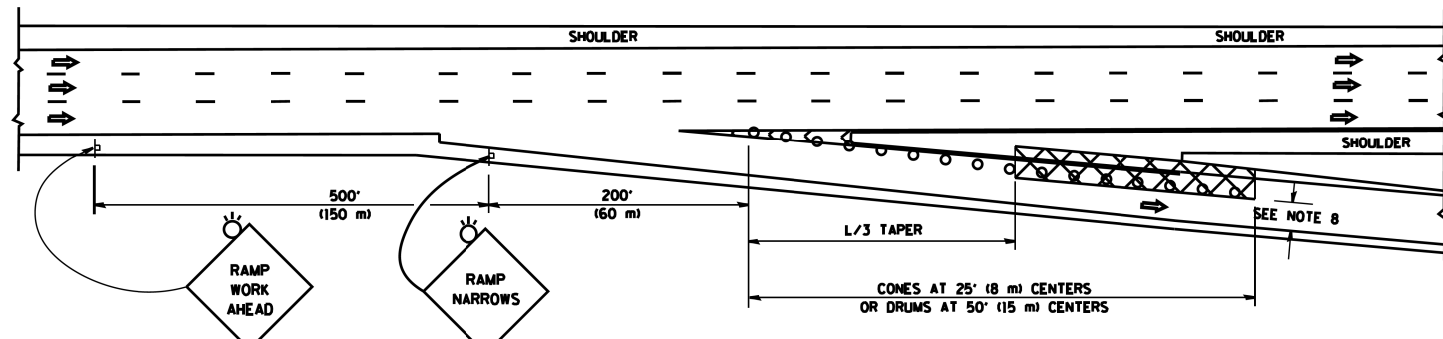
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

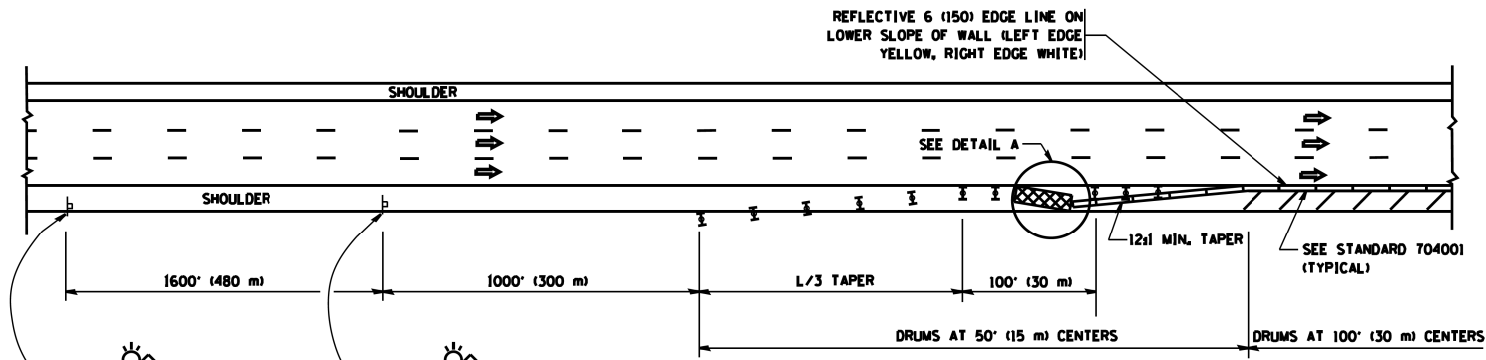
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

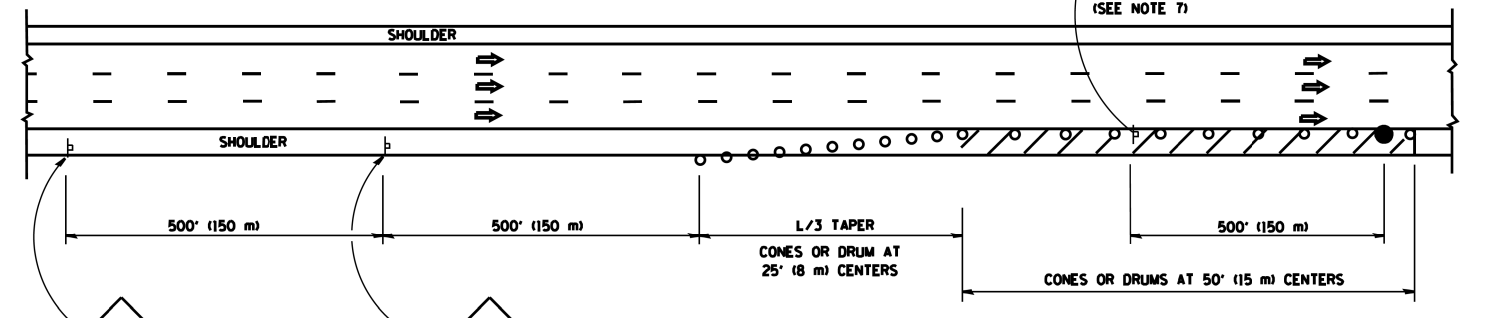
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC ENGLISH
	$L=0.65(WXS)$ $L=(WXS)$
W = WIDTH OF OFFSET IN FEET (METERS)	
S = NORMAL POSTED SPEED MPH (KM/H)	
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.
5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

SHOULDER CLOSURE DETAILS



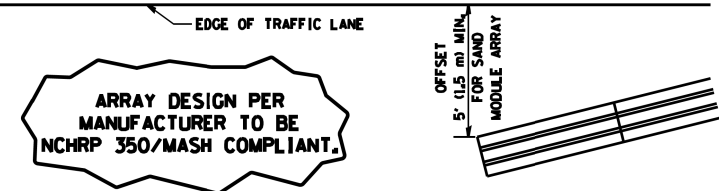
PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:

1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A" IMPACT ATTENUATOR, TEMPORARY (SEE NOTE 5)

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

* 90/94/290

FILE NAME =	USER NAME = lcyso
DESIGNED -	REVISED - J.A.F. 12-06
DRAWN - D.W.S.	REVISED - S.P.B. 01-07
CHECKED -	REVISED - S.P.B. 12-09
DATE - 11-96	REVISED - M.D. 06-13

PLOT SCALE = 100.0000' / 1"
PLOT DATE = 4/17/2014

DESIGNED -	REVISED - J.A.F. 12-06
DRAWN - D.W.S.	REVISED - S.P.B. 01-07
CHECKED -	REVISED - S.P.B. 12-09
DATE - 11-96	REVISED - M.D. 06-13

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

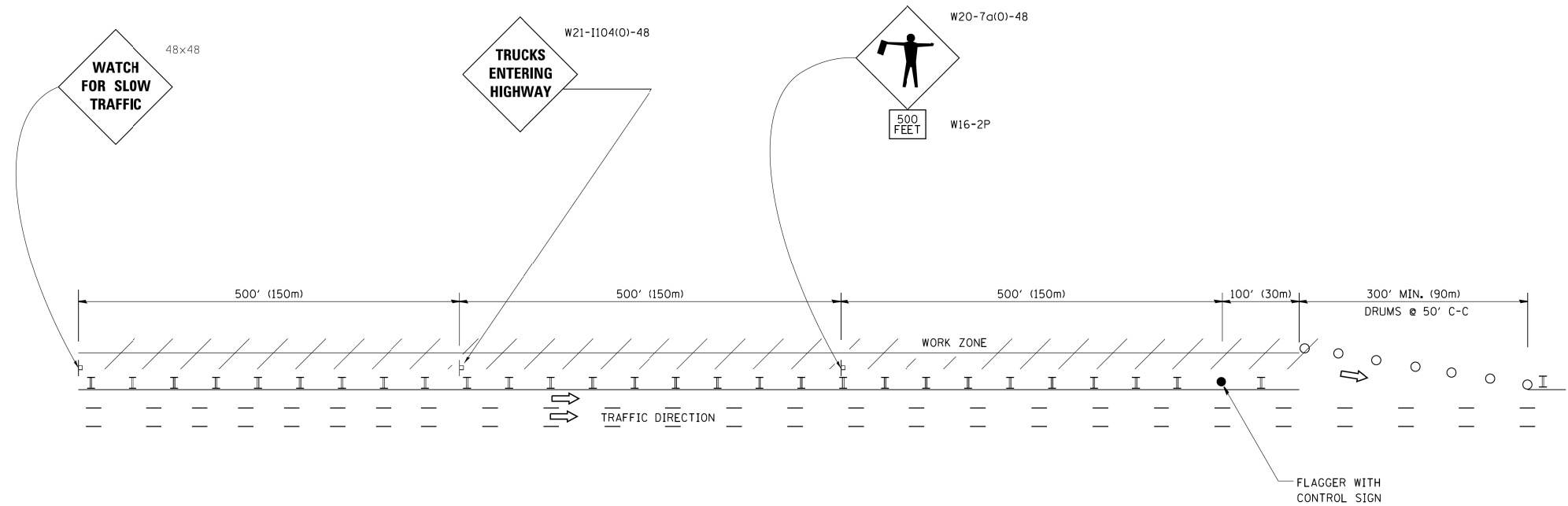
**TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

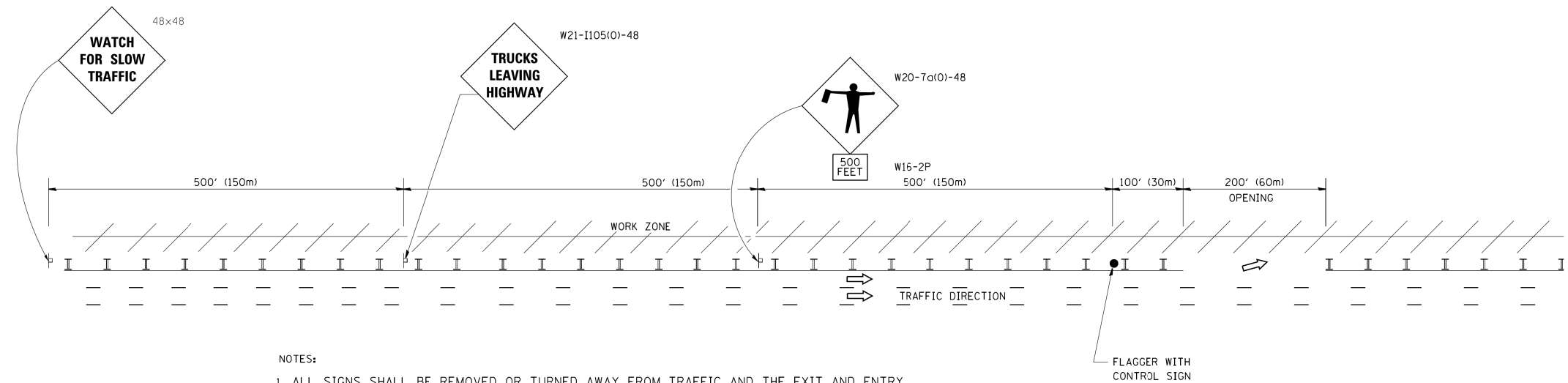
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2015-022-1	COOK	275	231
TC-17		CONTRACT NO. 62A74		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMP.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

* 90/94/290

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

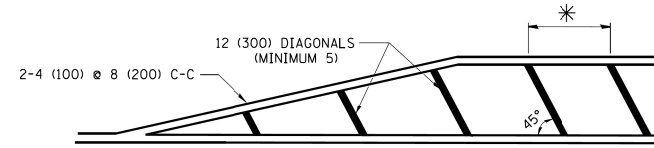
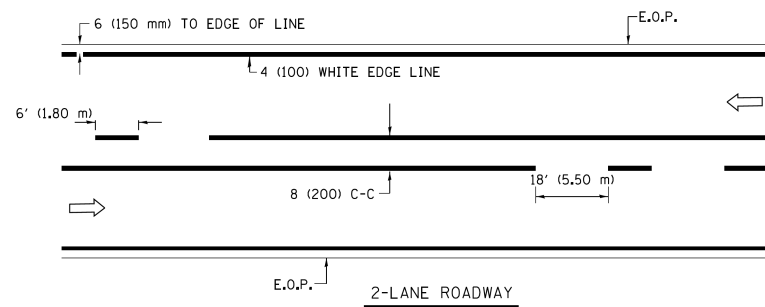
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		CHECKED -	REVISED - S.P.B. 12-09
		DATE -	REVISED - M.D. 06-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

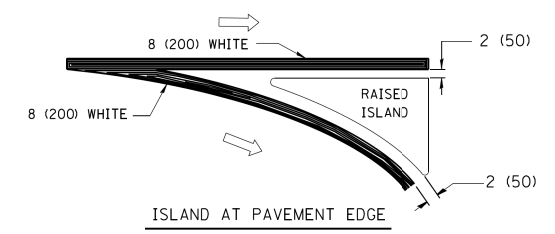
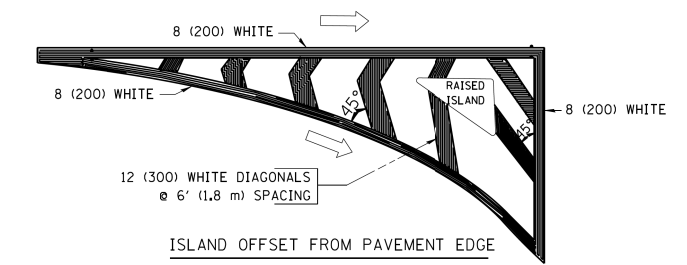
FREeway/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS
AT WORK ZONE OPENINGS ON FREeway/EXPRESSWAYS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

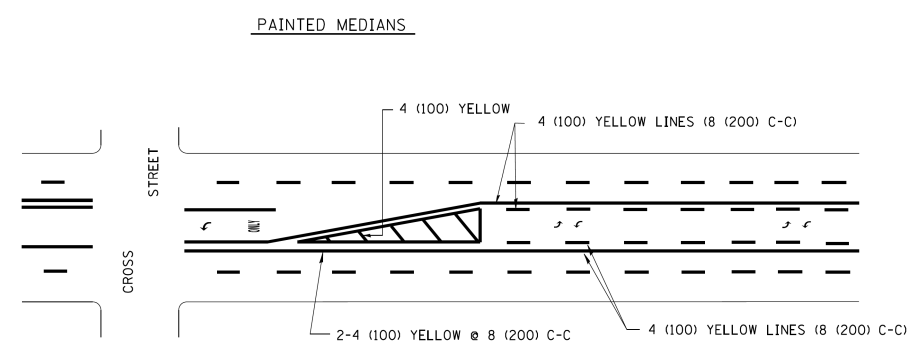
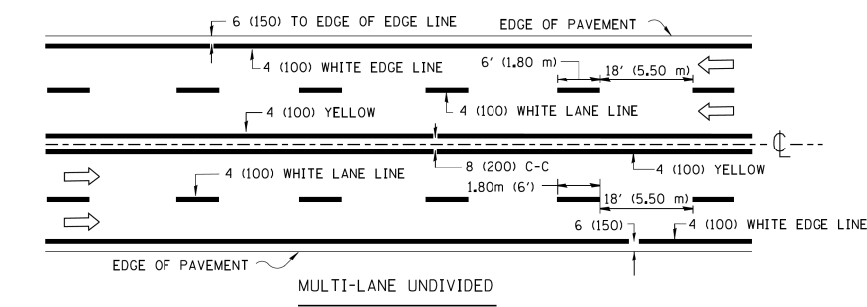
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-18		CONTRACT NO. 62A74		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



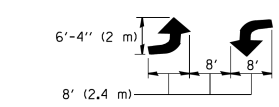
* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
 * DIAGONAL LINE SPACING: 20' (6.1 m) C-C



TYPICAL ISLAND MARKING

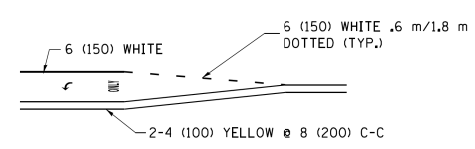
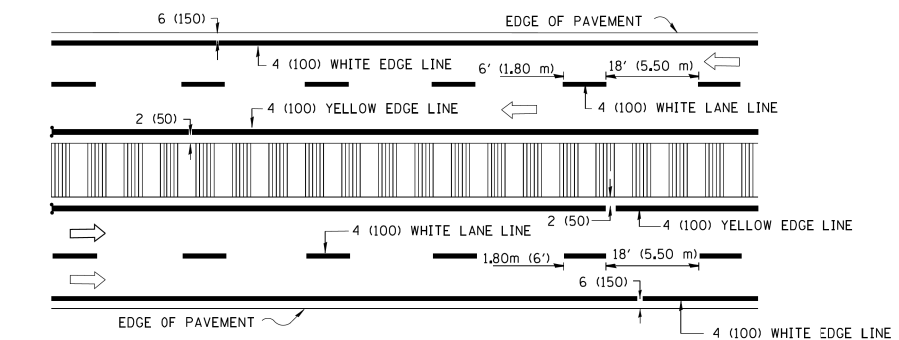


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

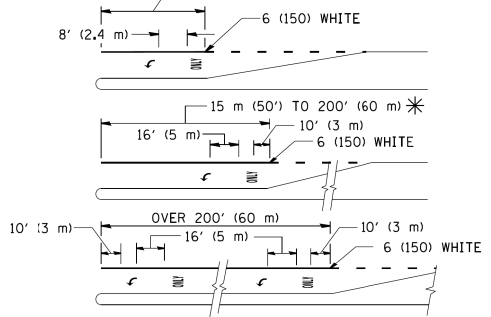


MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



TYPICAL LEFT (OR RIGHT) TURN LANE



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.8 SQ. FT. (1.47 m²) ONLY AREA = 22.9 SQ. FT. (2.13 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL TURN LANE MARKING

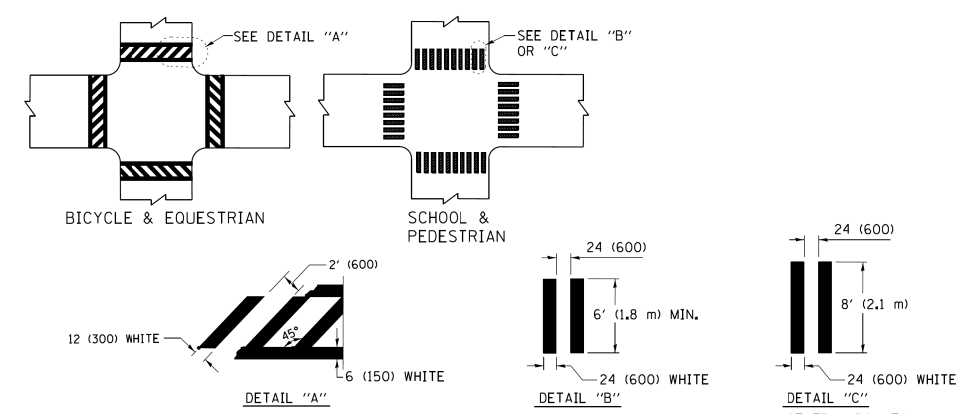
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	8 (200) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	8 (200) C-C
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL & PEDESTRIAN)	12 (300) @ 45° 24 (600) @ 90°	SOLID SOLID	WHITE WHITE	2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	8 (200) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 20' (6.1 m) (LESS THAN 30 MPH (50 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

* 90/94/290

TYPICAL LANE AND EDGE LINE MARKING



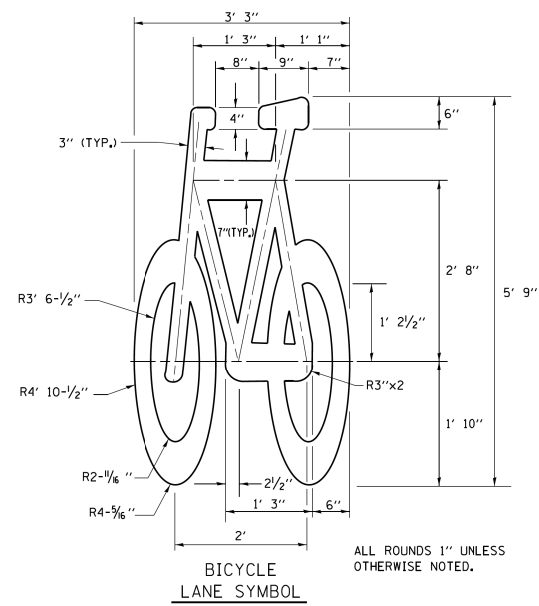
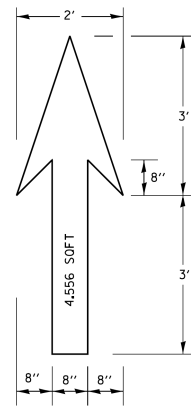
TYPICAL CROSSWALK MARKING

FILE NAME =	USER NAME = drivakosgn	DESIGNED -	REVISED - T. RAMMACHER 12-07-00
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	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/1/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

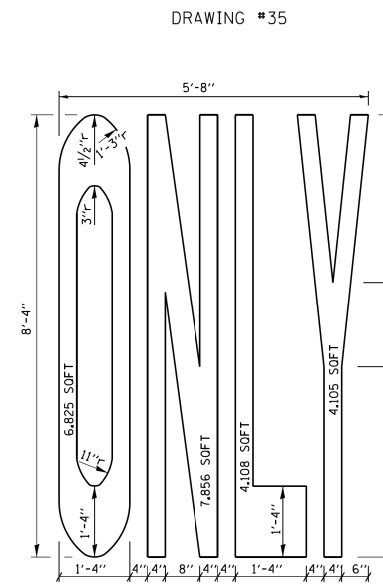
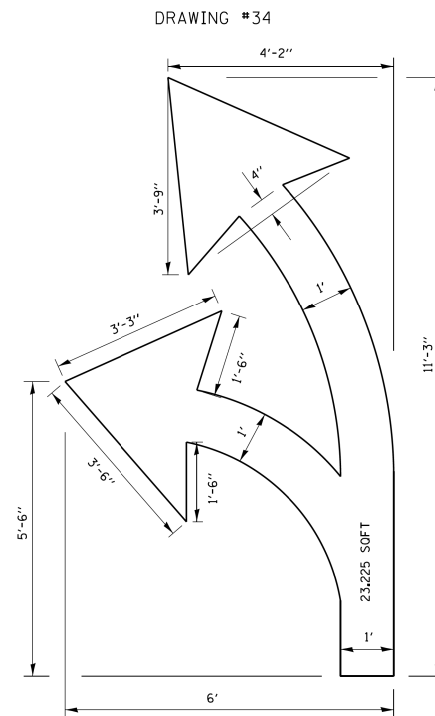
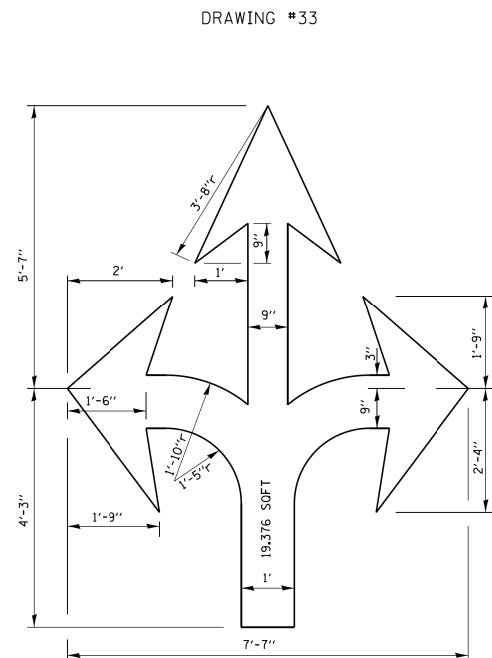
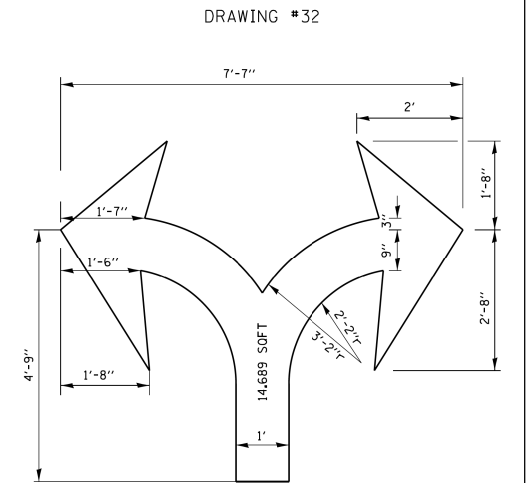
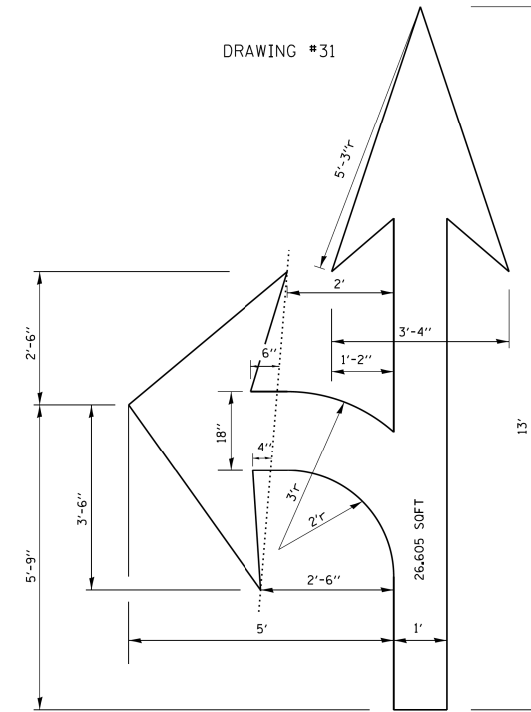
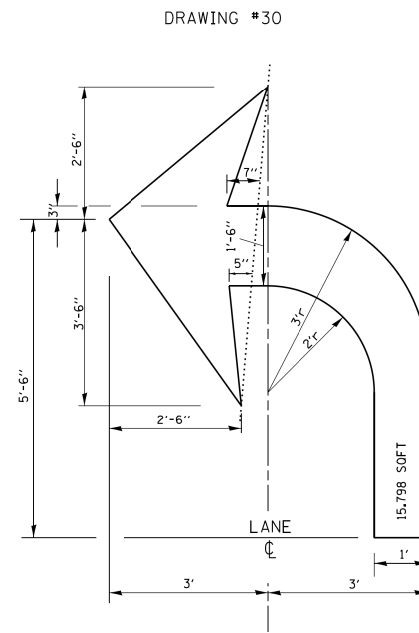
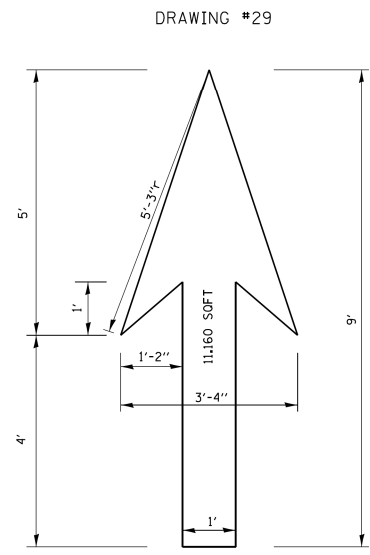
CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS		
SCALE: NONE	SHEET NO. 1 OF 3 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2015-022-1	COOK	275	233
TC-24		CONTRACT NO. 62A74		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- NOTE:**
- FOR BIKE LANE SYMBOLS ONLY, USE PRE-FORMED THERMOPLASTIC WITH A MINIMUM THICKNESS OF 90 MILS, MINIMUM SKID RESISTANCE VALUE OF 60 BPN, & A MINIMUM INDEX OF REFRACTION OF 1.50.
 - THE RESIDENT ENGINEER SHALL CONTACT MR. BEN GOMBERG AT 312-744-8093 AT LEAST ONE CALENDAR WEEK PRIOR TO INSTALLING BIKE LANE SYMBOLS.

TYPICAL BIKE LANE SYMBOLS
DRAWING #28



NOTE:
ALL MARKINGS SHALL BE SOLID WHITE UNLESS OTHERWISE NOTED IN THE PLANS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

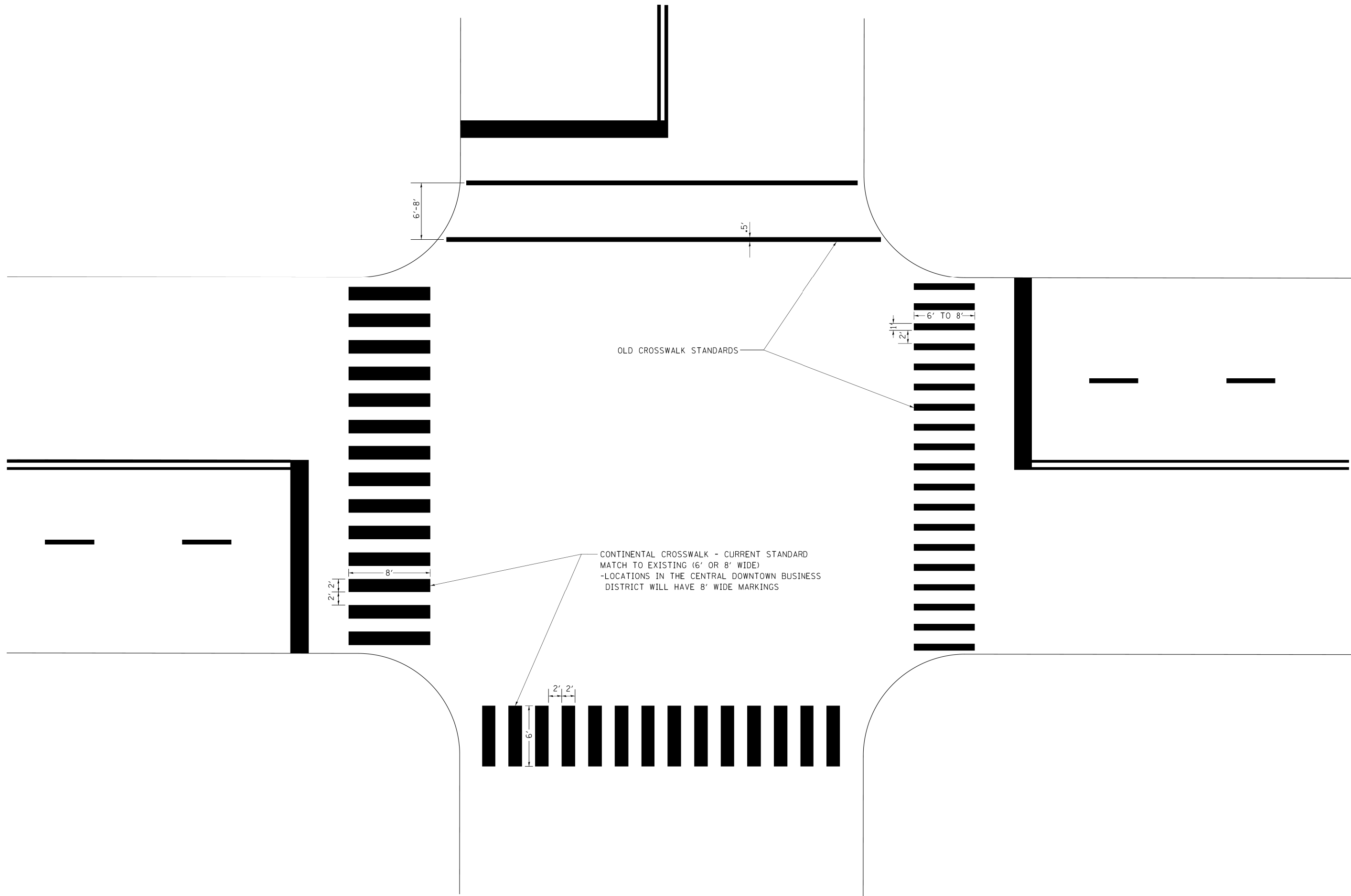
CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS

* 90/94/290

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		CHECKED -	REVISED -
		DATE -	REVISED -

SCALE: NONE SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2015-022-1	COOK	275	234
TC-24		CONTRACT NO. 62A74		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* 90/94/290

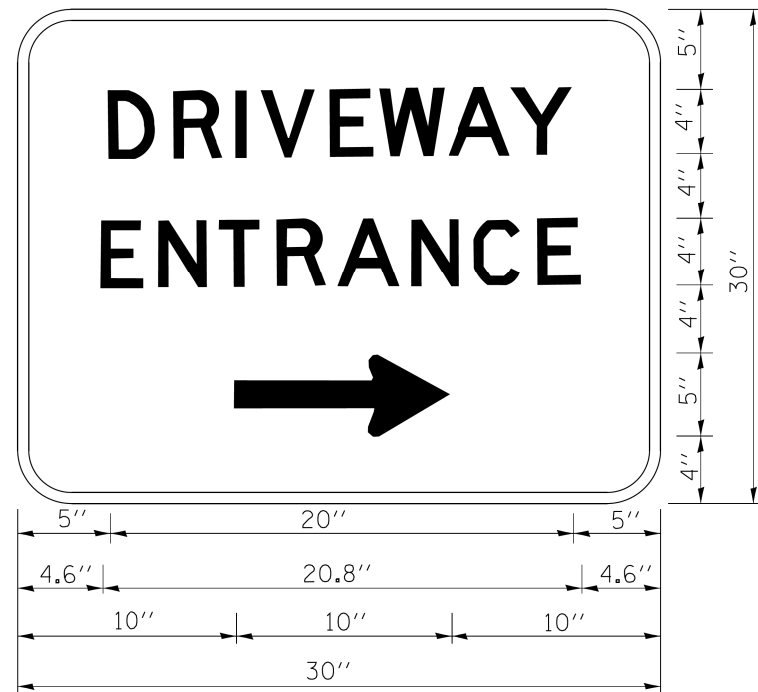
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	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/29/2012	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS**

SCALE: NONE SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2015-022-1	COOK	275	235
TC-24		CONTRACT NO. 62A74		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
 PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN)
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

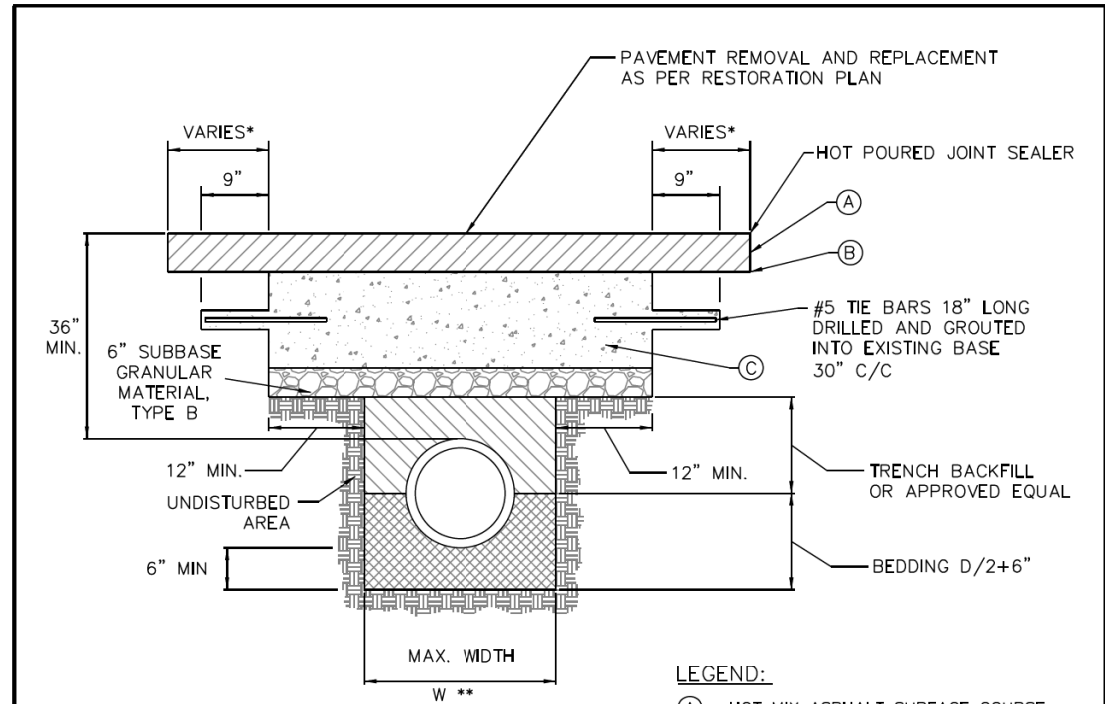
* 90/94/290

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

FILE NAME =	USER NAME = gaglianob	DESIGNED -	REVISED - C. JUCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY ENTRANCE SIGNING				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct\pw\work\pwidot\gaglianob\d0108315\te	26.dgn	DRAWN -	REVISED -		*	2015-022-1	COOK	275	236				
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED -		TC-26				CONTRACT NO. 62A74				
	PLOT DATE = 12/13/2012	DATE -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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- LEGEND:**
- (A) HOT MIX ASPHALT SURFACE COURSE
 - (B) BITUMINOUS MATERIAL & AGGREGATE (PRIME COAT)
 - (C) PCC BASE COURSE

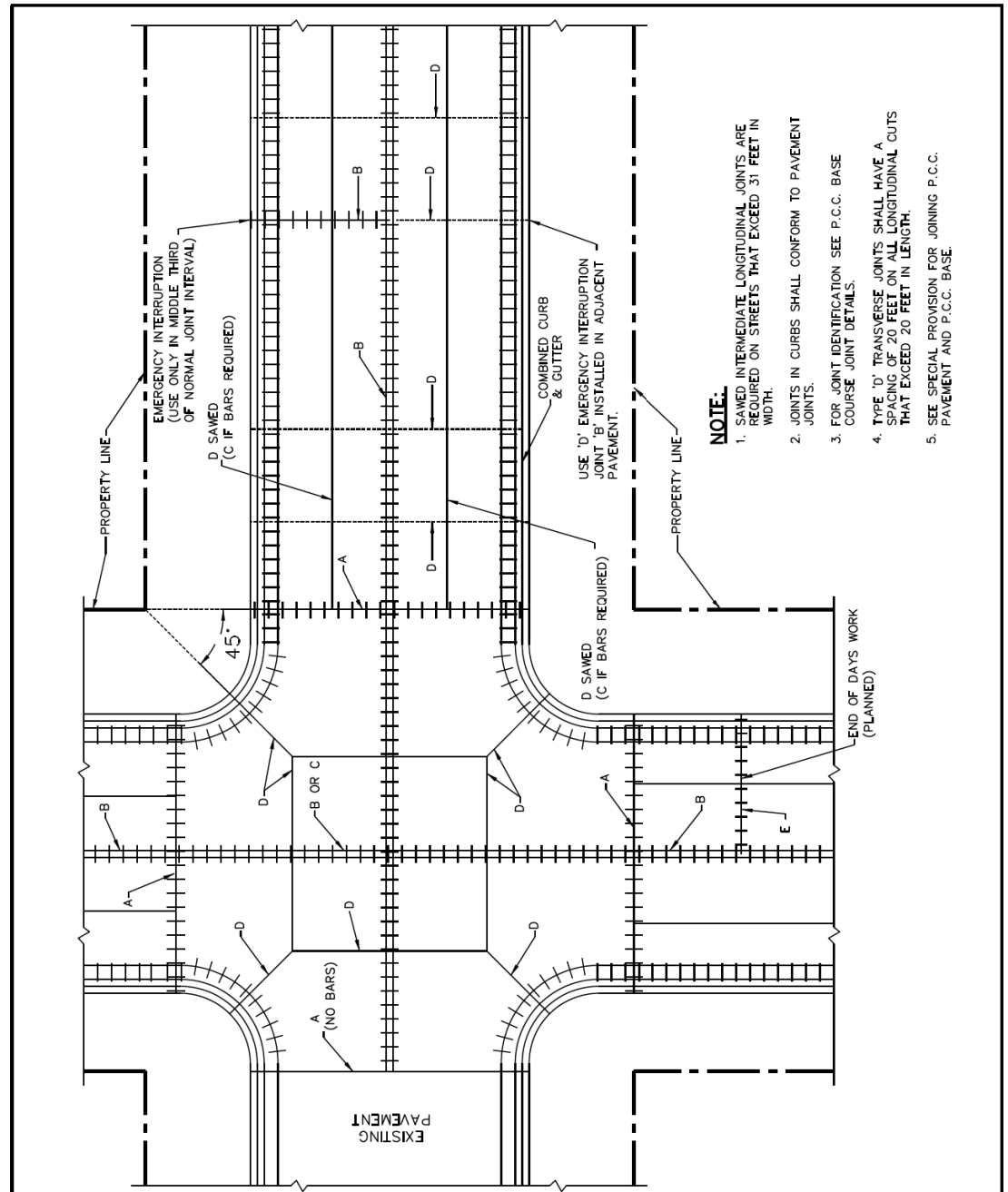
* PAVEMENT SHALL BE REMOVED & REPAVED TO NEAREST CONSTRUCTION JOINT IF TRENCH EDGE IS 5' OR LESS FROM JOINT. (OR AS REQUIRED BY THE COMMISSIONER)

** W = 9" + O.D. + 9", WHEN TRENCH DEPTH ≤ 5 FT.
W = 18" + O.D. + 18", WHEN TRENCH DEPTH > 5 FT.

NOTES:

1. THE PORTLAND CEMENT CONCRETE BASE SHALL BE 8" OR MORE (SEE TABLE 4.2-2 FOR REQUIRED THICKNESS). FOR CONCRETE STREETS THE CONCRETE SHALL BE BROUGHT TO GRADE (INCLUDING 1'-0" OVERLAP) AND FINISHED AS REQUIRED IN THE IDOT SSRBC.
2. ALL EXISTING PAVEMENTS SHALL BE SAW CUT 1'-0" ON BOTH SIDES OF THE TRENCH OR PAVEMENT OPENING. UNDER NO CIRCUMSTANCES SHOULD EXISTING PAVEMENT, WHICH HAS BEEN UNDERMINED OR OTHERWISE DISTURBED, BE LEFT IN PLACE AND NOT RESTORED.
3. ALL STREET PAVEMENT WILL REQUIRE PLACEMENT OF #5 TIE BARS, 18 INCHES LONG DRILLED AND GROUTED (NON SHRINK) AT 30" CENTERS ON ALL SIDES. A MINIMUM OF TWO TIE BARS WILL BE REQUIRED ON EACH SIDE OF SAW CUT BOUNDARIES.
4. ALL TIE BARS AND DOWEL BARS ARE TO BE EPOXY COATED (INCIDENTAL).

 CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO		
	1/1/2014	REVISION 1	STREET PAVEMENT RESTORATION DETAIL WITH TRENCH BACKFILL		
			DATE	SHEET	DRAWN BY
			12/12/06	A-2-2A	CDOT



NOTE:

1. SAWED INTERMEDIATE LONGITUDINAL JOINTS ARE REQUIRED ON STREETS THAT EXCEED 31 FEET IN WIDTH.
2. JOINTS IN CURBS SHALL CONFORM TO PAVEMENT JOINTS.
3. FOR JOINT IDENTIFICATION SEE P.C.C. BASE COURSE JOINT DETAILS.
4. TYPE 'D' TRANSVERSE JOINTS SHALL HAVE A SPACING OF 20 FEET ON ALL LONGITUDINAL CUTS THAT EXCEED 20 FEET IN LENGTH.
5. SEE SPECIAL PROVISION FOR JOINING P.C.C. PAVEMENT AND P.C.C. BASE.

 CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO		
	1/1/2014	REVISION 1	TYPICAL JOINT LAYOUT FOR P.C. CONCRETE PAVEMENTS		
			DATE	SHEET	DRAWN BY
			12/26/06	A-2-3A	CDOT



D162474-Sht-CDOT-DETAIL-01	DESIGNED - CDOT	REVISED -
USER NAME = PIMSARNO	DRAWN - CDOT	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - CDOT	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO DEPARTMENT OF TRANSPORTATION
STANDARDS

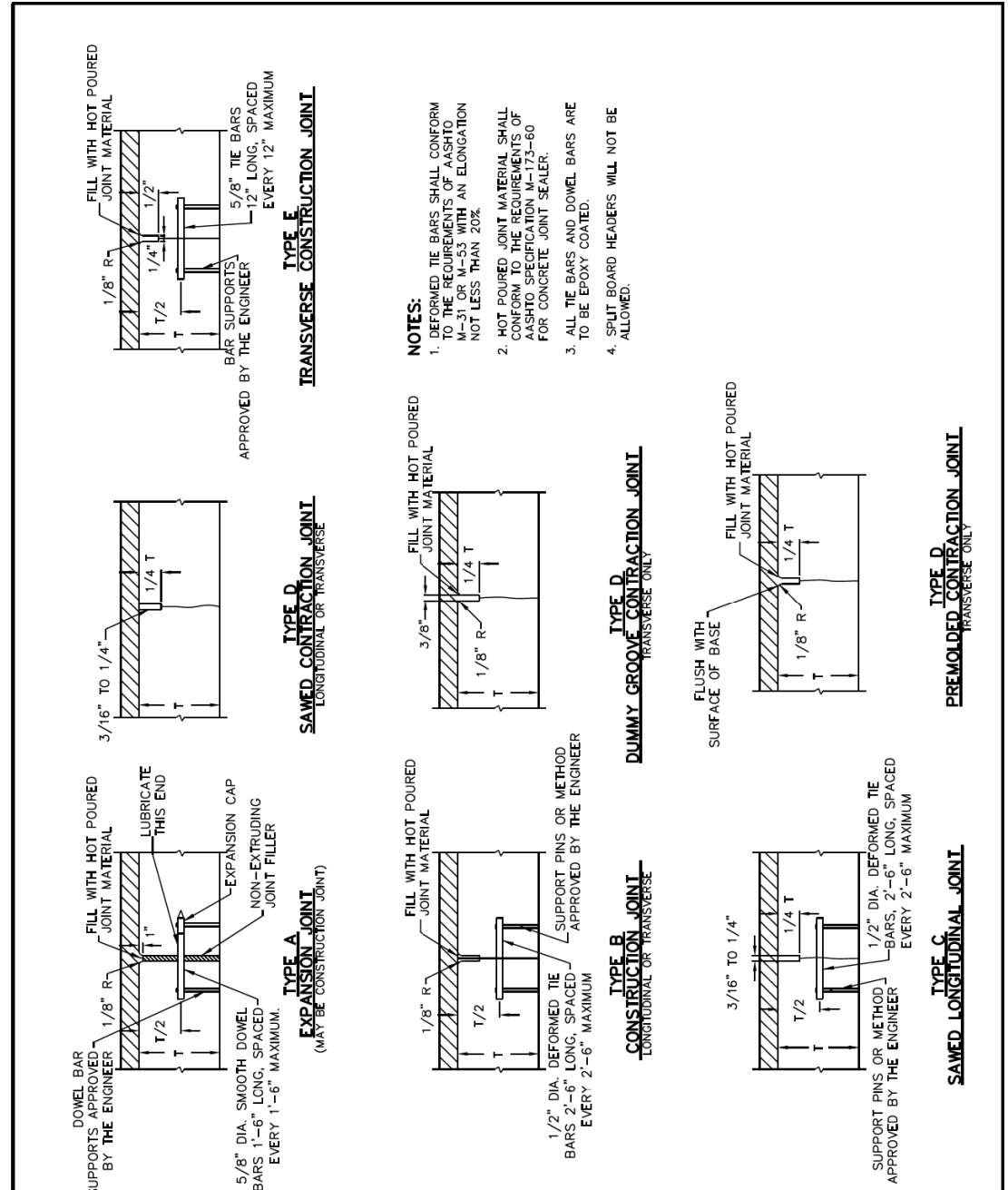
SCALE: N.T.S. SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	237
CONTRACT NO. 62474				
ILLINOIS FED. AID PROJECT				

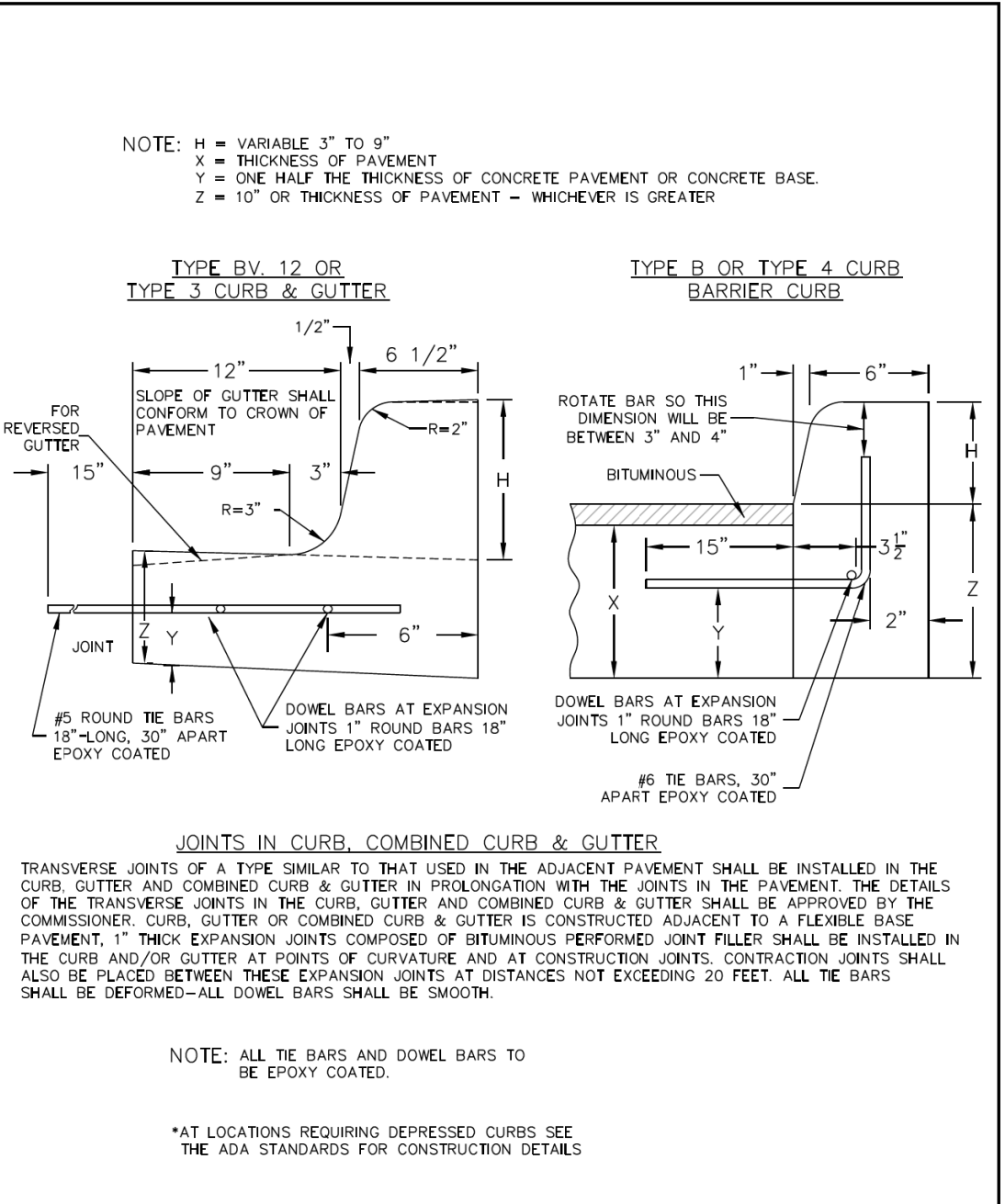
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DATE	REVISION	CITY OF CHICAGO		
1/1/2014	REVISION 1	P.C.C. BASE COURSE JOINT DETAILS		
DATE	SHEET	DRAWN BY		
12/27/06	A-2-3C	CDOT		



DATE	REVISION	CITY OF CHICAGO		
1/1/2014	REVISION 1	CONCRETE CURB & GUTTER DETAIL		
DATE	SHEET	DRAWN BY		
12/12/06	A-2-6	CDOT		



D162674-Sht-CDOT-DETAIL-02	DESIGNED - CDOT	REVISED -
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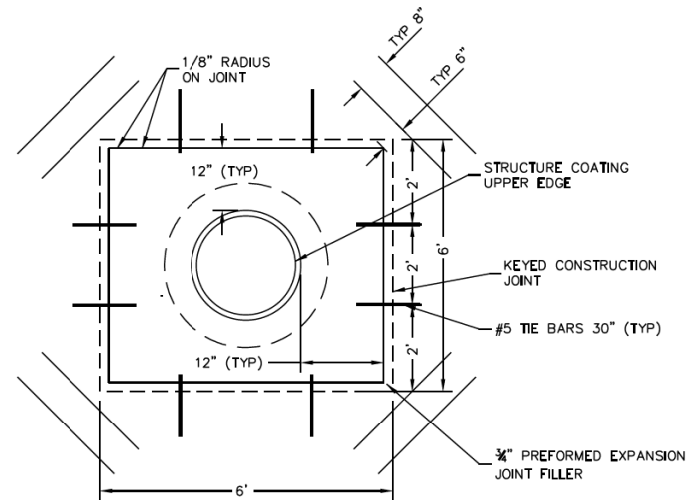
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CHICAGO DEPARTMENT OF TRANSPORTATION STANDARDS			
SCALE: N.T.S.	SHEET 2 OF 4 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-I	COOK	275	238
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

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2-#4 DEFORMED TIE BARS 30" LONG AT A MID DEPTH (TYPICAL) SEE SPECIAL CONDITION BELOW.



SPECIAL CONDITIONS:

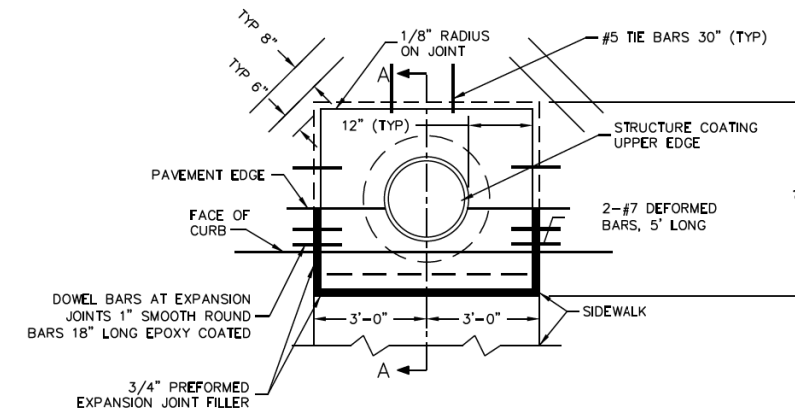
THE BARS SHALL NOT BE INSTALLED AT ISOLATION BOX CORNERS WHERE EITHER SIDE OF THE BOX FORMING SAID CORNER IS A LONGITUDINAL OR TRAVERSE JOINT. MOREOVER, AT NO TIME SHALL A TIE BAR CROSS A JOINT (ALREADY FORMED OR PROPOSED) IN THE VICINITY OF THE ISOLATION BOX. IF THIS SITUATION OCCURS, THE TIE BAR SHALL BE ADJUSTED PARALLEL TO THE AXIS OF THE BAR SO THAT THE END OF THE BAR IS NO CLOSER THAN 1 1/2" TO THE JOINT.

ONLY BY THE DIRECTION OR APPROVAL OF THE COMMISSIONER SHALL THE DISTANCE BETWEEN THE UPPER EXTERNAL CASTING EDGE AND THE EDGE OF STANDARD ISOLATION BOX, SHOWN AS 12", BE INCREASED SO THAT AN IMMOVABLE LONGITUDINAL JOINT AND (OR) TRAVERSE JOINT WILL THEN THENCE FORM (O) SIDE (S) OF THE BOX. THIS ADJUSTMENT WILL BE ALLOWED ONLY WHEN THE DISTANCE BETWEEN THE SIDE OF THE STANDARD ISOLATION BOX AND IMMOVABLE JOINT IS 18" OR LESS.

BACKFILL MATERIAL AROUND STRUCTURE WILL BE COMPACTED TO 95% MODIFIED PROCTOR PRIOR TO THE PLACEMENT OF CONCRETE WITHIN THE ISOLATION BOX.

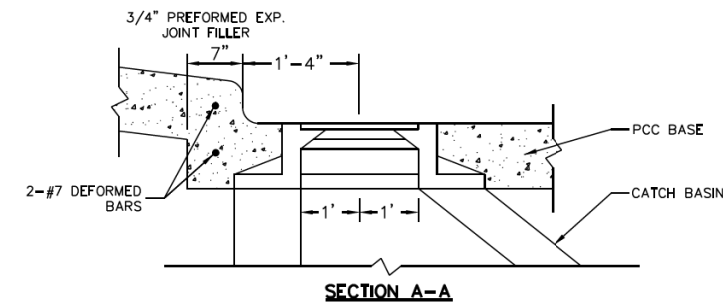


DATE	REVISION	CITY OF CHICAGO		
1/1/2014	REVISION 1	DETAILS OF STRUCTURE CASTING ISOLATION BOX		
DATE	SHEET	DRAWN BY		
12/21/06	A-2-10A	CDOT		



NOTES:

- STRUCTURE CASTING MAY BE ROUND OR RECTANGULAR.
- CONCRETE WITHIN THE ISOLATION BOX WILL BE OF THE SAME TYPE AND THICKNESS AS CONCRETE IN THE ADJACENT PAVEMENT.



DATE	REVISION	CITY OF CHICAGO		
1/1/2014	REVISION 1	DETAILS OF STRUCTURE CASTING ISOLATION BOX FOR P.C.C. PAVEMENT AND BASE COURSE		
DATE	SHEET	DRAWN BY		
12/22/06	A-2-10B	CDOT		

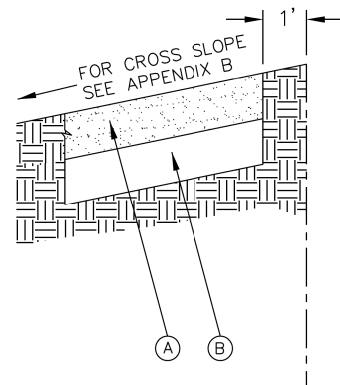


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PLOT DATE = 5/15/2017	DATE -	05/15/2017	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO DEPARTMENT OF TRANSPORTATION STANDARDS			
SCALE: N.T.S.	SHEET 3 OF 4 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-I	COOK	275	239
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				



LEGEND:

- (A) PROPOSED 5" P.C.C. SIDEWALK *
 - (B) SUBBASE GRANULAR MATERIAL, TYPE B OR C, 4"
- * CURB RAMP & KEYSTONE 8" P.C.C. AT SIGNALIZED AND INDUSTRIAL STREET INTERSECTIONS



	DATE	REVISION	CITY OF CHICAGO		
	1/1/2014	REVISION 1	ADA COMPLIANT SIDEWALK CONSTRUCTION DETAILS		
			DATE	SHEET	DRAWN BY
			12/20/06	A-3-1	CDOT

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D162A74-Sht-CDOT-DETAIL-04.dgn
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 PLOT SCALE = 2.0000' / in.
 PLOT DATE = 5/12/2017

DESIGNED - CDOT
 DRAWN - CDOT
 CHECKED - CDOT
 DATE - 05/15/2017

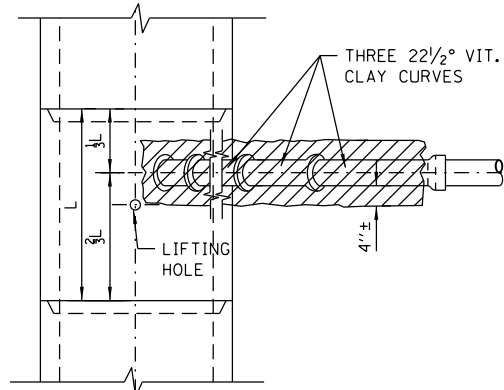
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

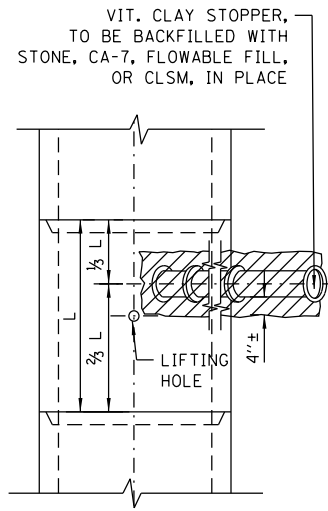
CHICAGO DEPARTMENT OF TRANSPORTATION
 STANDARDS

SCALE: N.T.S. SHEET 4 OF 4 SHEETS STA. TO STA.

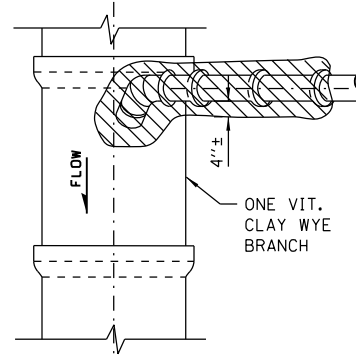
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	240
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				



PLAN

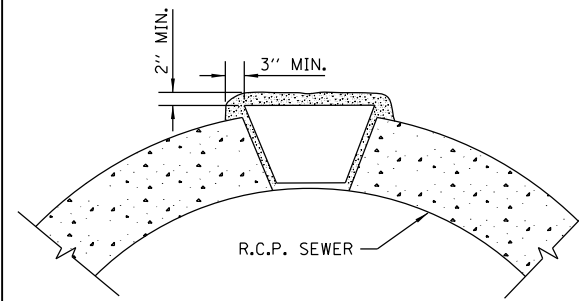


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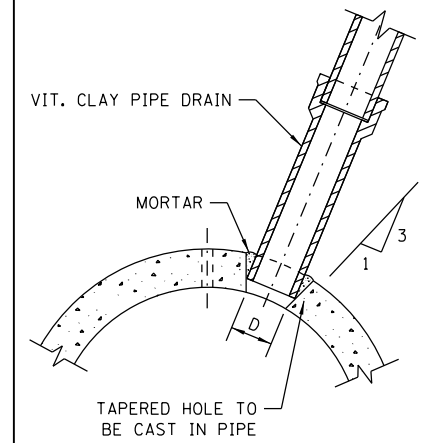


PLAN

NOTE:
PLUG TO BE COATED WITH MORTAR AND
DRIVEN INTO PLACE WITH A WOODEN
MALLET AND THEN SEALED WITH MORTAR.

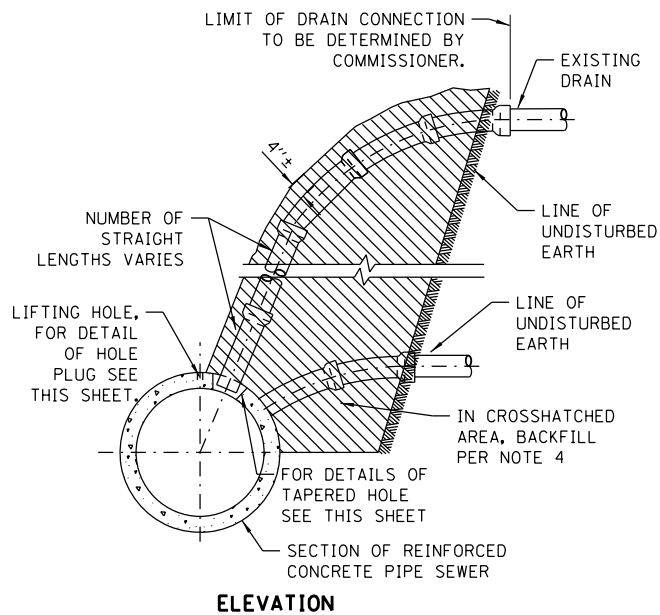


LIFTING HOLE PLUG DETAIL
FOR CONCRETE PIPE

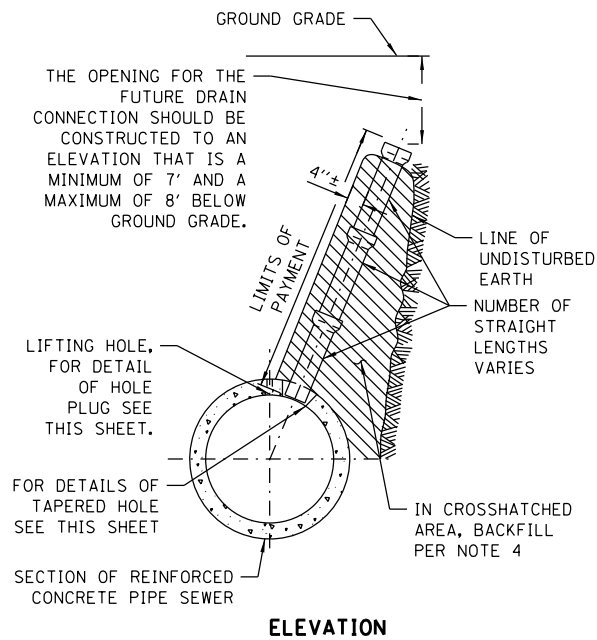


DETAIL OF TAPERED HOLE

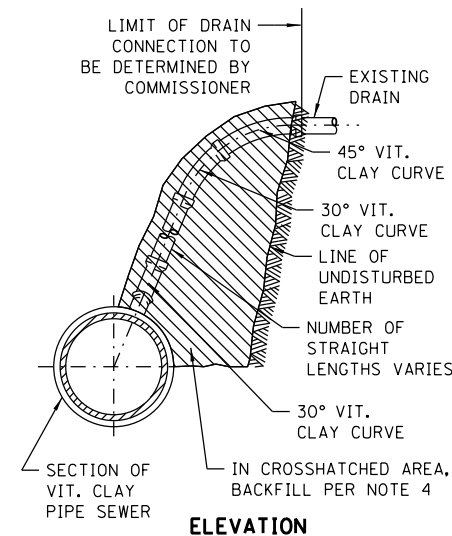
SIZE OF DRAIN	"D"
6"	6 7/8"
8"	9 7/8"
10"	11 7/8"
12"	13 1/2"
15"	17"
18"	20 1/4"
21"	23 3/8"



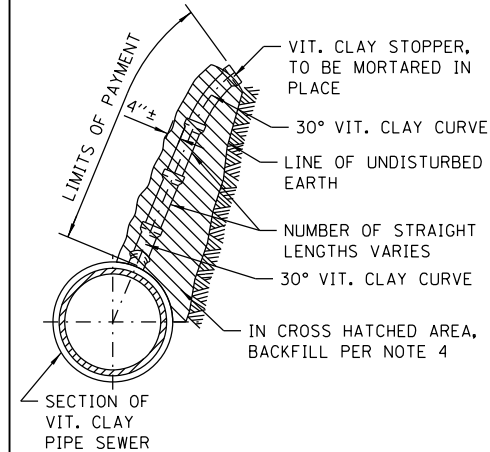
TYPICAL DRAIN CONNECTIONS
FOR EXISTING DRAINS



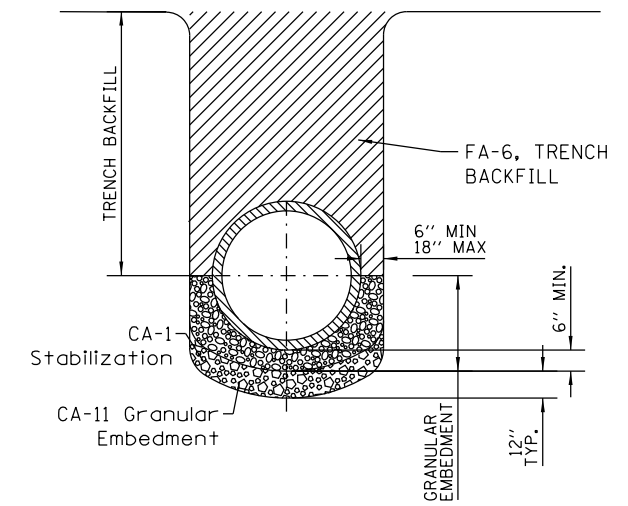
TYPICAL DRAIN STACKS
FOR FUTURE USE



TYPICAL DRAIN CONNECTIONS
FOR EXISTING DRAINS



TYPICAL DRAIN STACKS
FOR FUTURE USE



NOTE:
1. FOR TRENCH BACKFILL, USE FA-6 SAND, CRUSHED CONCRETE SAND OR STONE SAND.
2. FOR GRANULAR EMBEDMENT, USE CA-11, CRUSHED GRAVEL, CRUSHED STONE, OR CRUSHED CONCRETE.
3. 12" OF CA-1 STONE IS ONLY REQUIRED WHEN UNSTABLE MATERIAL IS ENCOUNTERED AT TRENCH BOTTOM.

SEWER TRENCH DETAIL

NOTES:

1. ALL DRAIN CONNECTION JOINTS MUST BE MADE AS SPECIFIED IN SPECIFICATIONS..
2. FOR DUCTILE IRON PIPE DRAIN CONNECTIONS SEE SHEET NO. A.2.
3. FOR ALL GRANULAR EMBANKMENT, USE CA-7 OR CA-11
4. FOR BACKFILL OF HATCHED SUPPORT AREAS, USE CONCRETE, CA-11, FLOWABLE FILL, OR CLSM.

STANDARD REVISIONS

DATE	DESCRIPTION
2/24/15	APPROVED PLAN

PERCENT COMPLETE

PERCENT COMPLETE	DATE
30	
60	
75	
90	
100	
BULLETIN	

CITY OF CHICAGO
DEPARTMENT OF WATER MANAGEMENT
BUREAU OF ENGINEERING SERVICES

VITRIFIED CLAY PIPE
DRAIN CONNECTIONS

DESIGNED: SBW

CHECKED: G.C. SO

REVIEWED:

OF

PN

TOTAL SHEETS

SHEET NO.

CONTRACT NO. 62A74



D162A74-sht-Drain-CDWM-Detail-01.dgn
USER NAME = dshevoz
PLOT SCALE = 2.0000' / in.
PLOT DATE = 5/12/2017

DESIGNED -
DRAWN -
CHECKED -
DATE - 05/15/2017

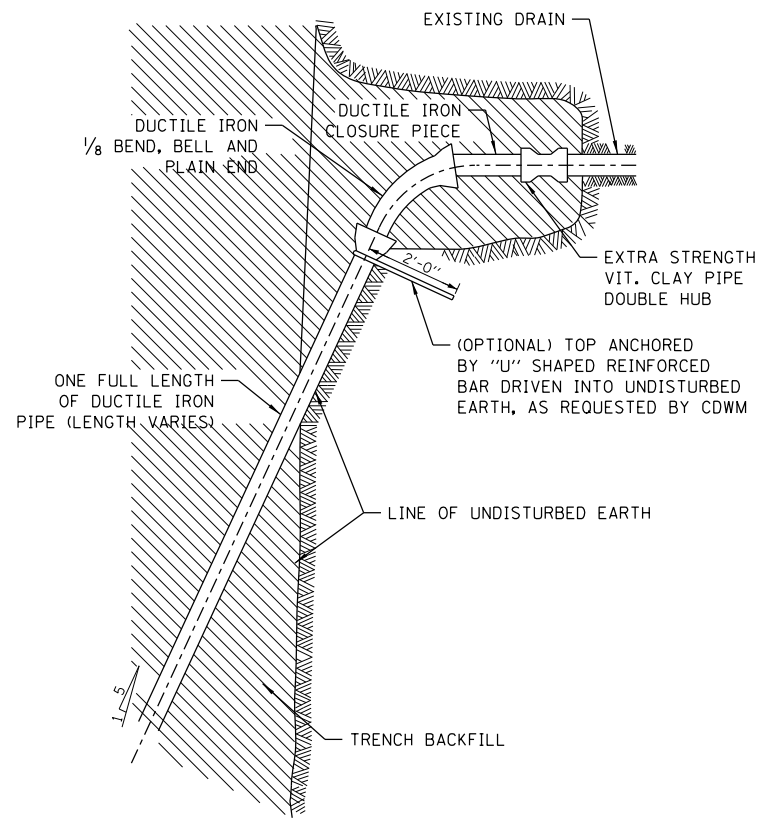
REVISED -
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

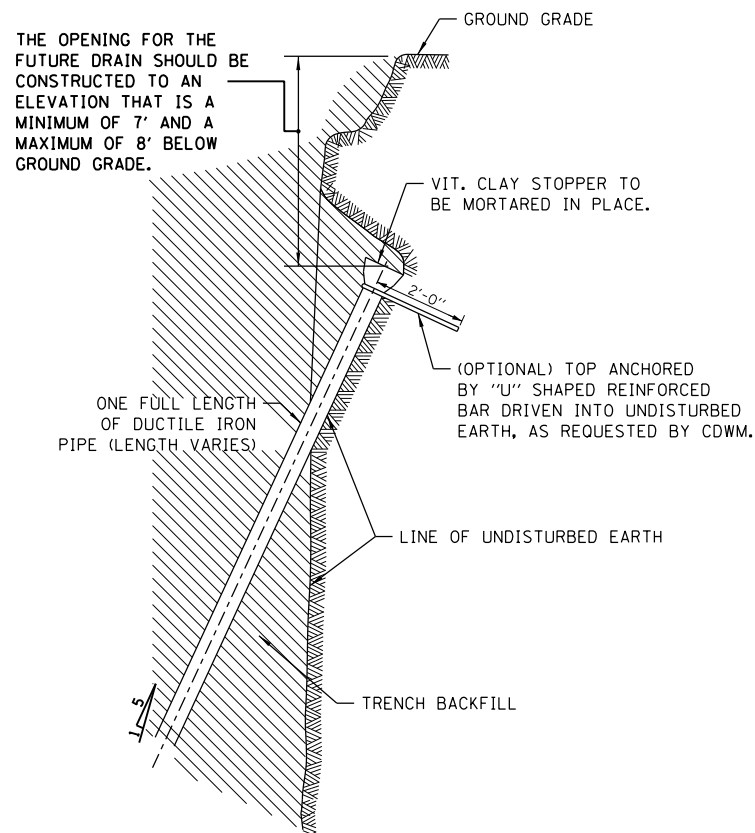
CHICAGO DEPARTMENT OF WATER MANAGEMENT (CDWM)
STANDARD DETAILS

SCALE: NTS SHEET 1 OF 10 SHEETS STA. TO STA.

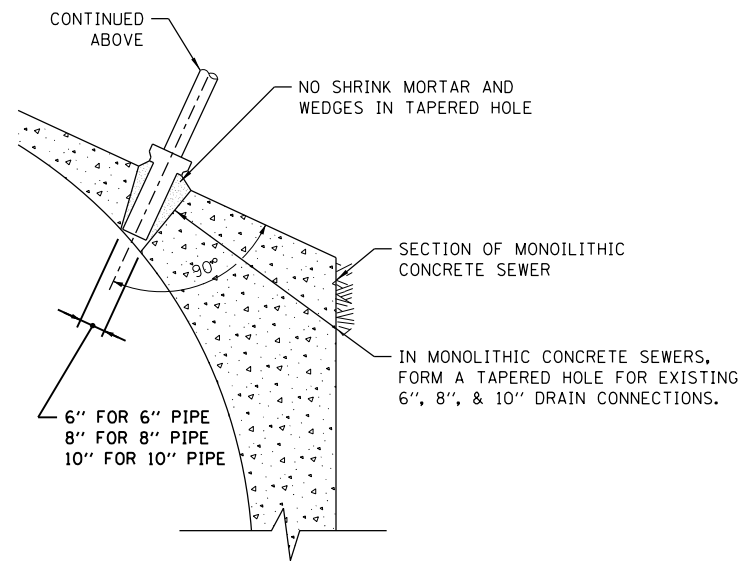
F.A.I. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
90/94/290 2015-022-1 COOK 275 241
ILLINOIS FED. AID PROJECT



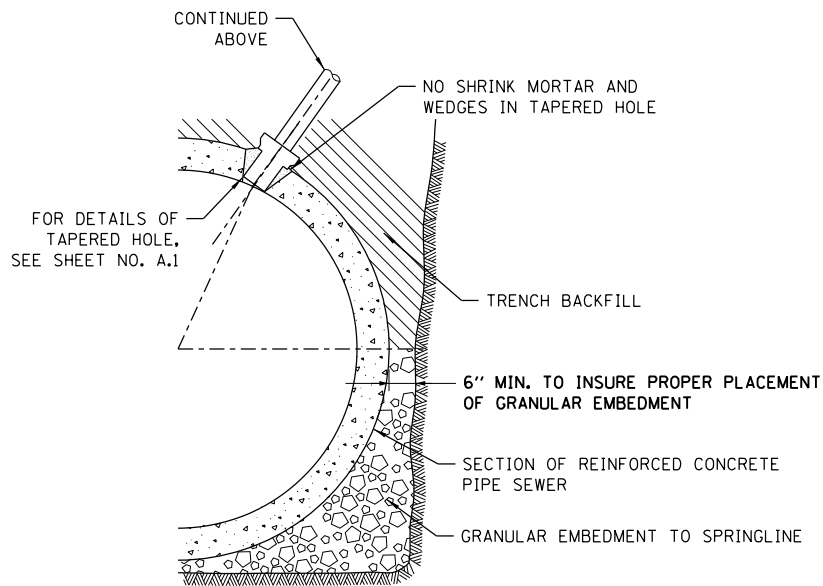
TYPICAL DRAIN CONNECTIONS FOR EXISTING DRAINS



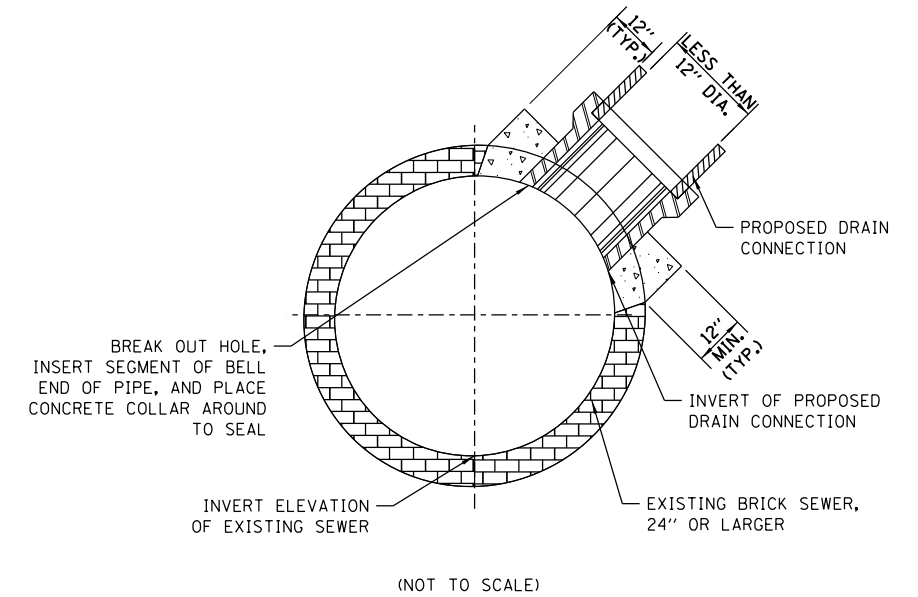
TYPICAL DRAIN STACKS FOR FUTURE USE



FOR MONOLITHIC CONCRETE SEWERS



FOR REINFORCED CONCRETE PIPE SEWERS



FOR BRICK SEWERS

DUCTILE IRON PIPE DRAIN CONNECTIONS

BRICK SEWER DRAIN CONNECTIONS

- NOTES:
1. DUCTILE IRON PIPE MUST BE BELL END WITH PUSH-ON JOINTS CONFORMING TO ANSI SPECIFICATIONS A21.51 WITH CLASS 52 THICKNESS.
 2. CONNECTIONS AND STACKS SHOWN MUST BE USED FOR 6", 8", & 10" DRAINS ONLY.
 3. FOR VITRIFIED CLAY PIPE DRAIN CONNECTION AND DRAIN STACK CONSTRUCTION, SEE SHEET NO. A.1.
 4. FOR TRENCH BACKFILL, USE FA-6 SAND, CRUSHED CONCRETE SAND, OR STONE SAND.
 5. FOR GRANULAR EMBEDMENT, USE CA-11, CRUSHED GRAVEL, CRUSHED STONE, OR CRUSHED CONCRETE.

STANDARD REVISIONS	
DATE	DESCRIPTION
1/5/15	APPROVED PLAN

PERCENT COMPLETE	DATE
30	
60	
75	
90	
100	
BULLETIN	

CITY OF CHICAGO		DESIGNED:	A.2
DEPARTMENT OF WATER MANAGEMENT		CHECKED:	
BUREAU OF ENGINEERING SERVICES		REVIEWED:	OF
DUCTILE IRON PIPE DRAIN CONNECTIONS		PN	

TOTAL SHEETS	275	SHEET NO.	242
CONTRACT NO. 62A74			

CHICAGO DEPARTMENT OF WATER MANAGEMENT (CDWM)			
STANDARD DETAILS			
SCALE: NTS	SHEET 2	OF 10 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	242
ILLINOIS FED. AID PROJECT				

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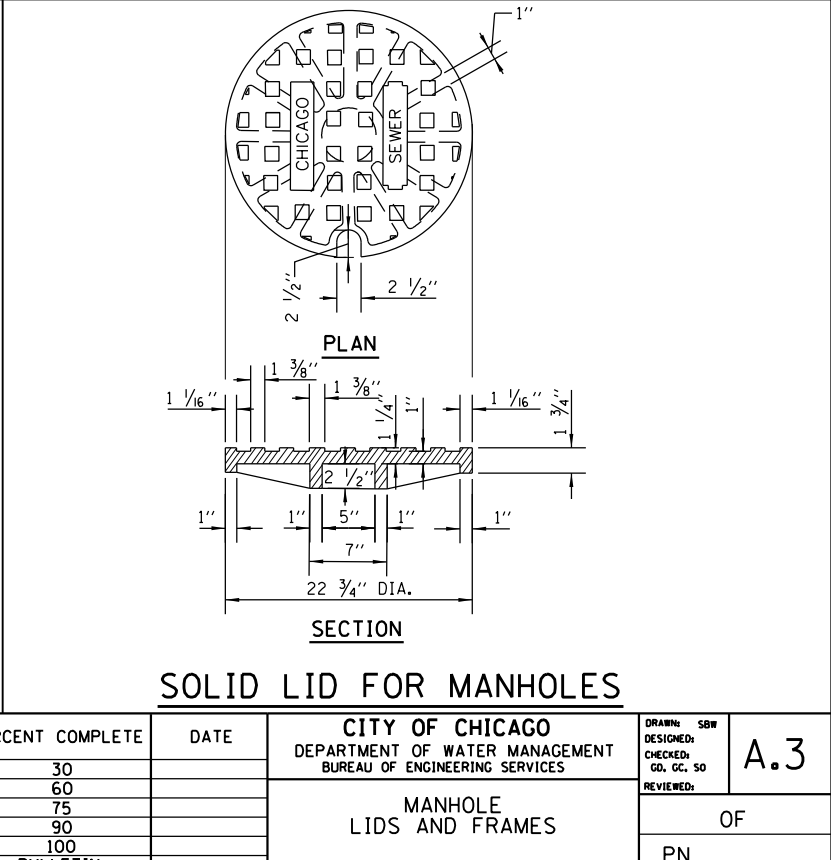
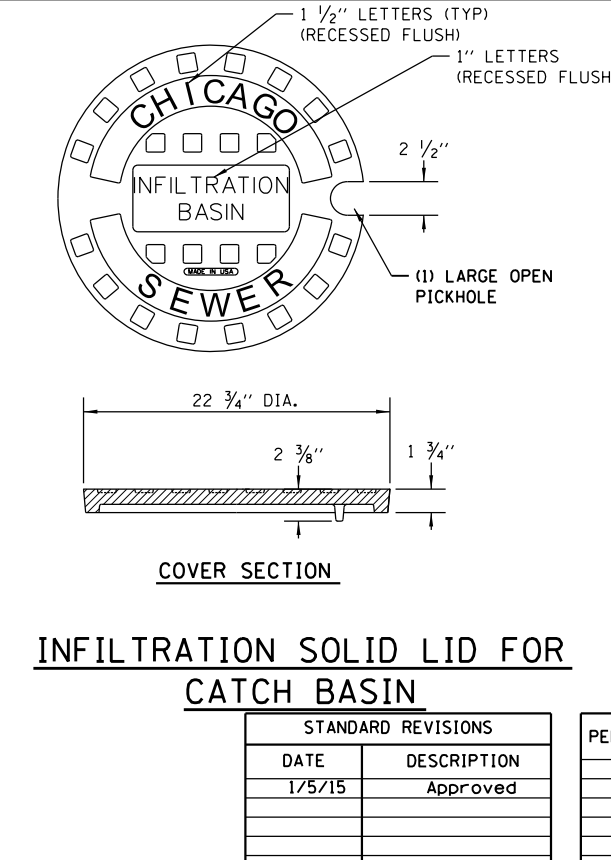
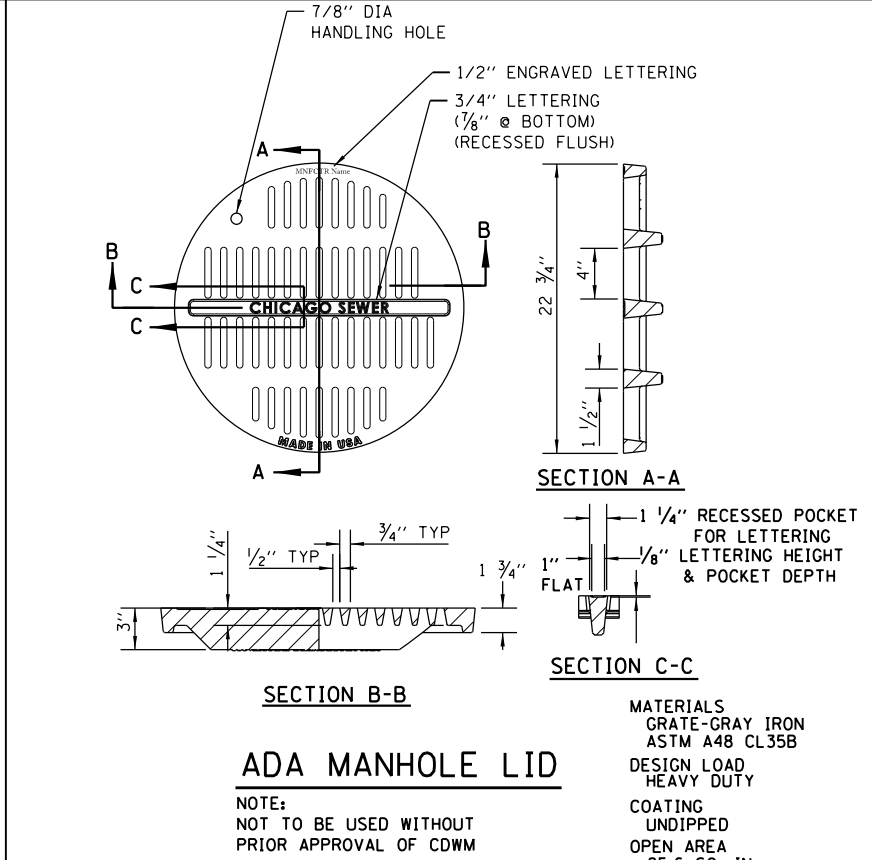
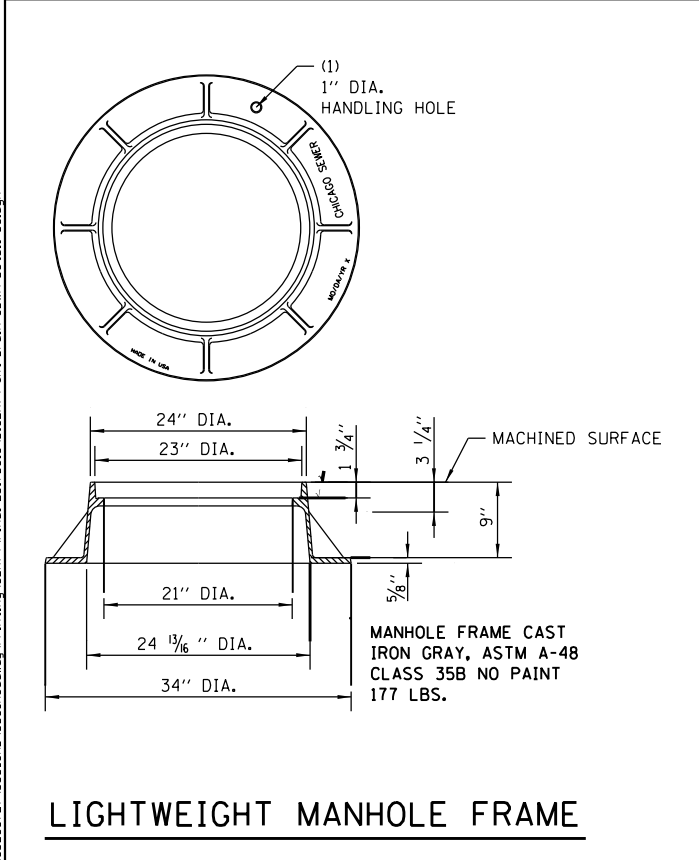
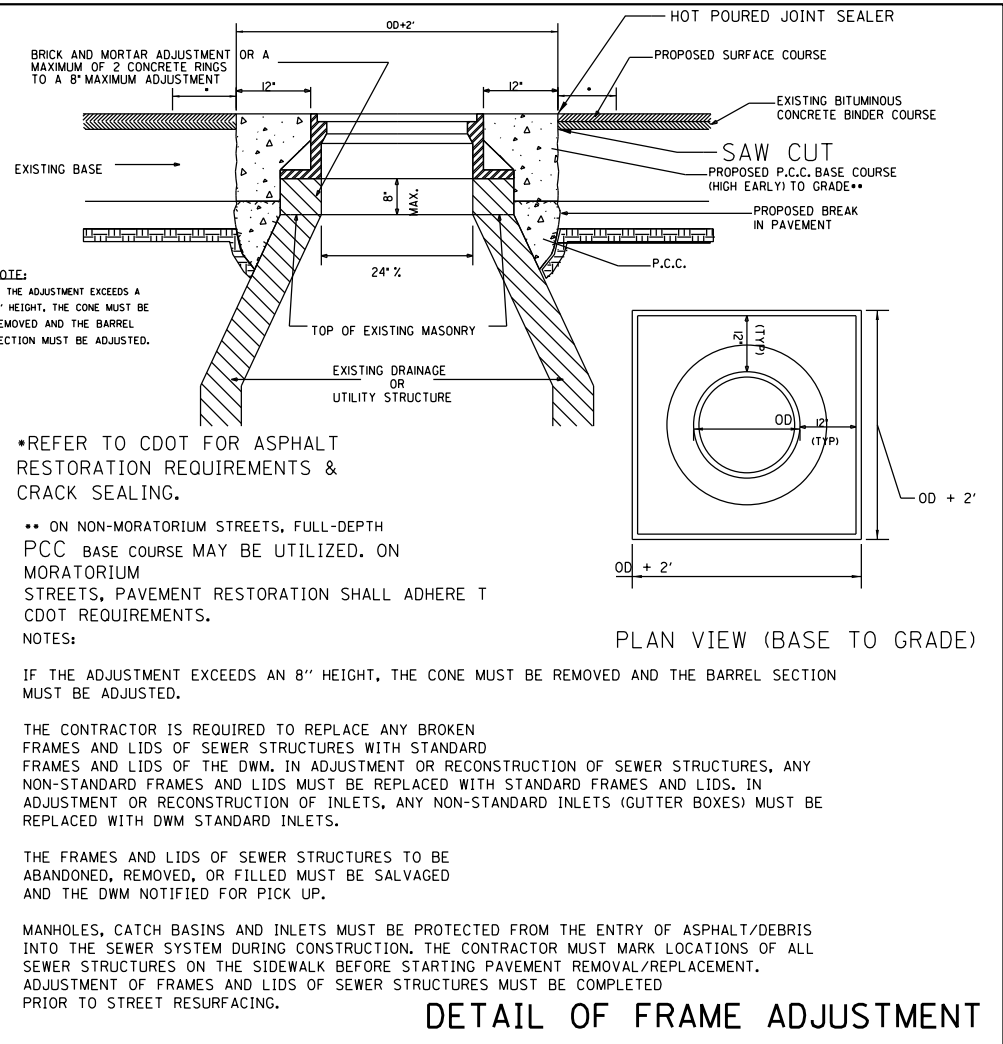
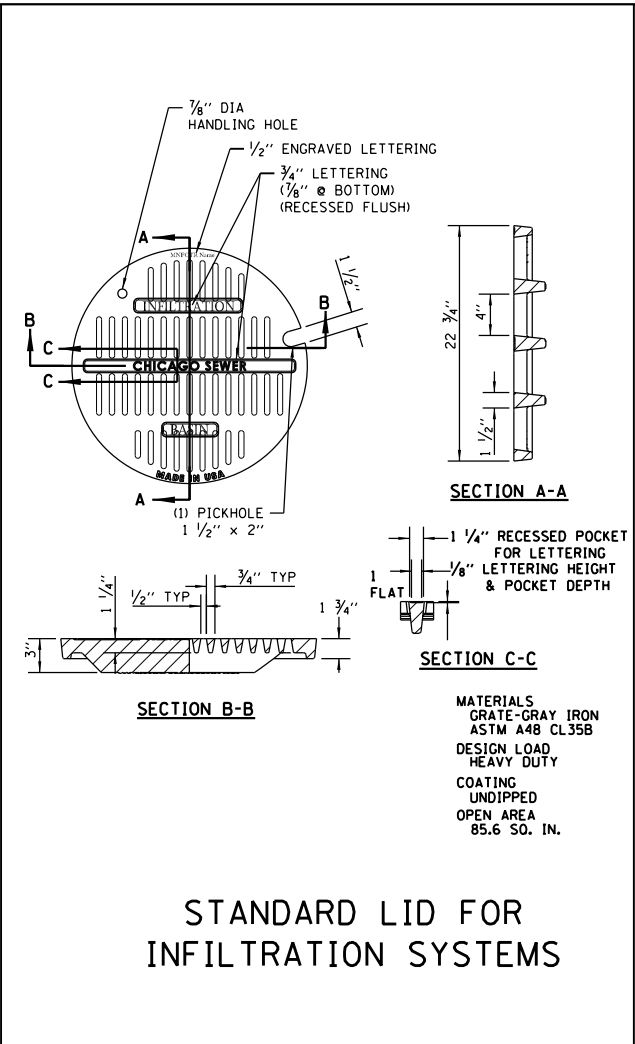
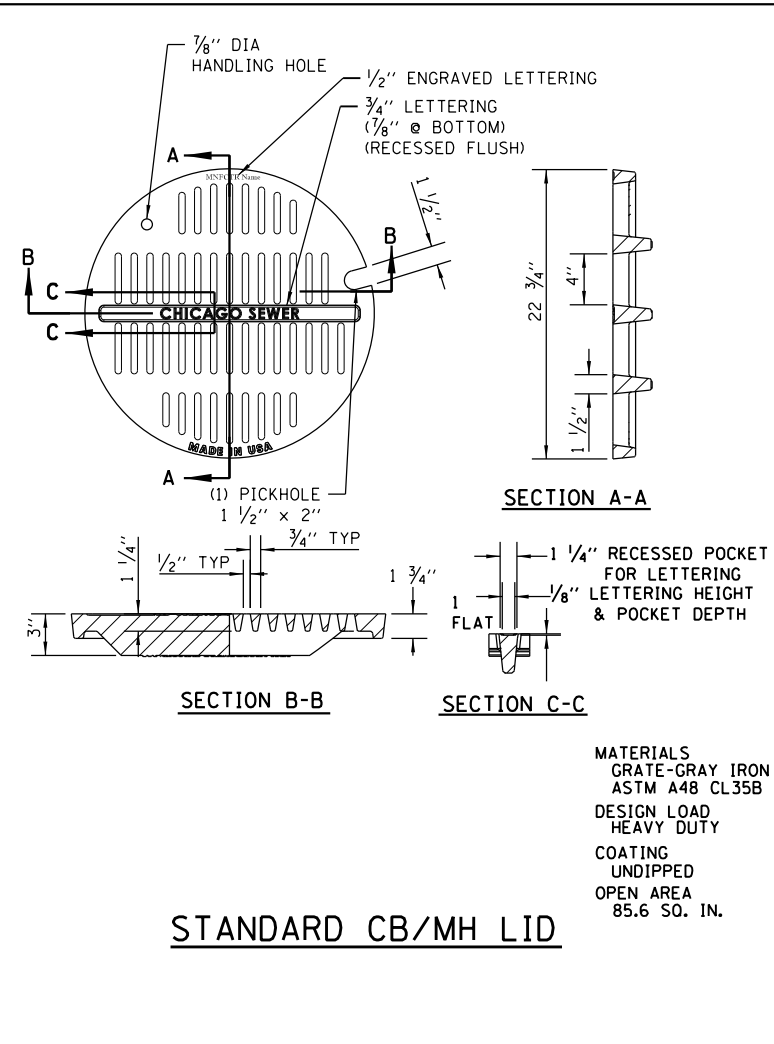
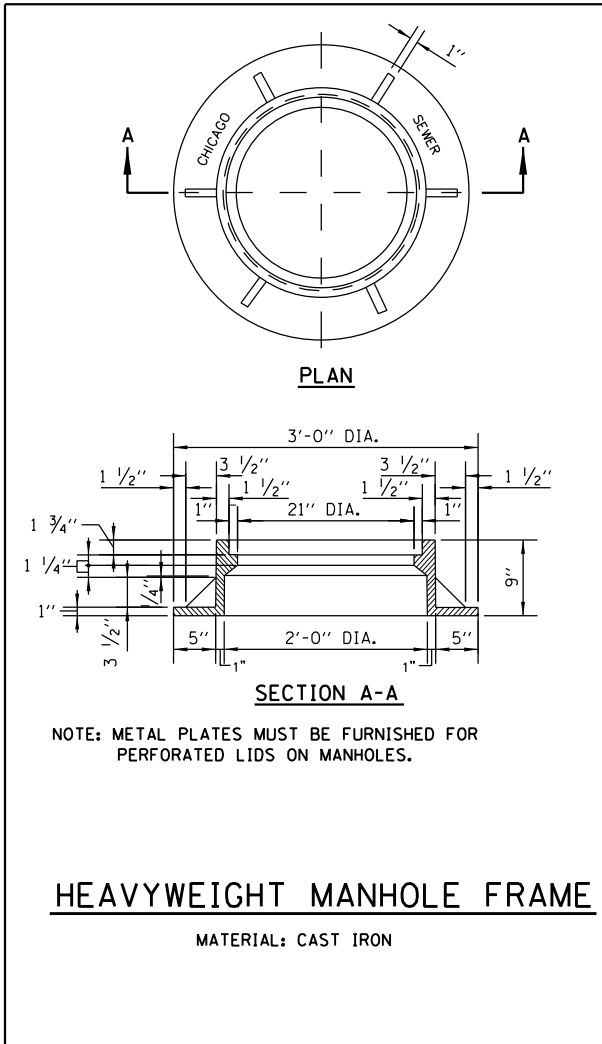


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 PLOT SCALE = 2.0000' / in.
 PLOT DATE = 5/12/2017

DESIGNED -
 DRAWN -
 CHECKED -
 DATE - 05/15/2017

REVISED -
 REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



STANDARD REVISIONS	
DATE	DESCRIPTION
1/5/15	Approved

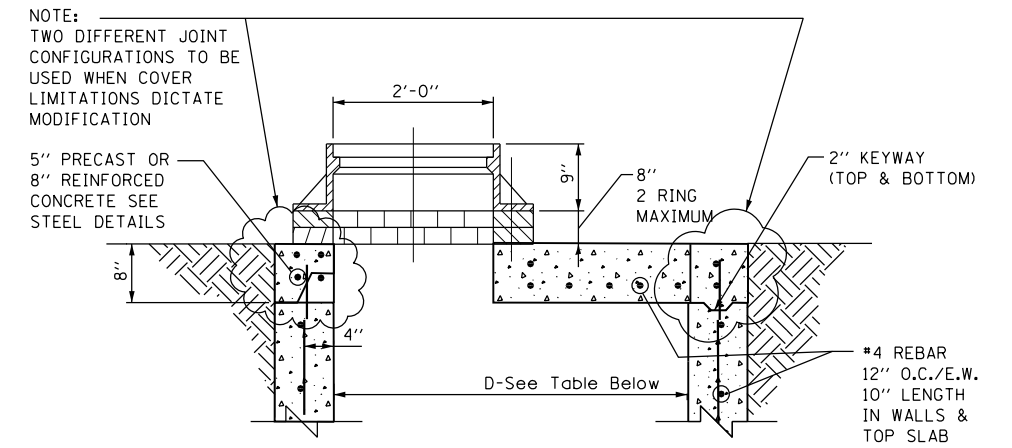
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BULLETIN	

CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT BUREAU OF ENGINEERING SERVICES		DRAWN: SBW	SHEET NO.
MANHOLE LIDS AND FRAMES		CHECKED: CC, GC, SO	
		REVIEWED:	
			OF
			PN

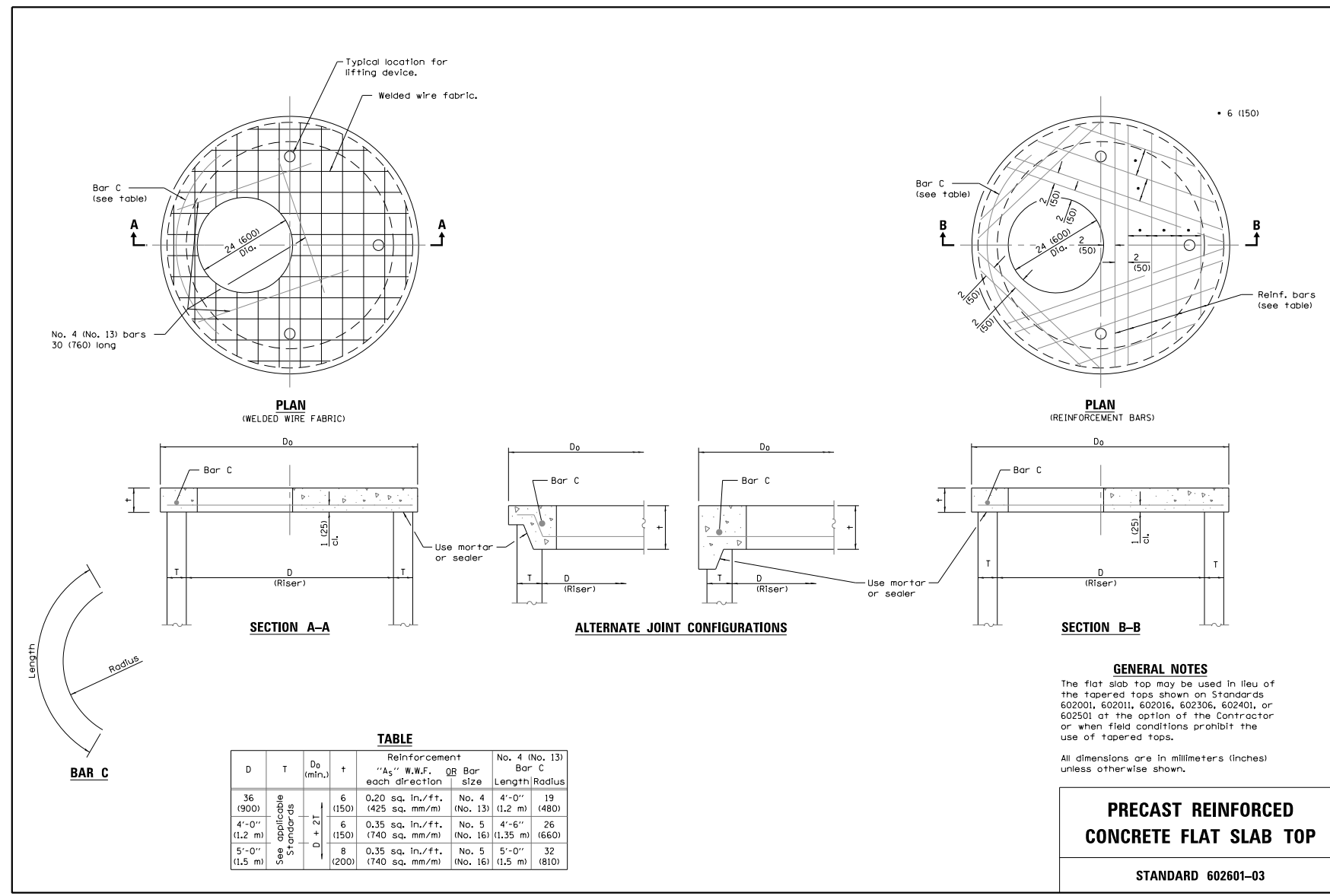
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	243
CONTRACT NO. 62A74				

ILLINOIS FED. AID PROJECT

SPECIAL DRAINAGE STRUCTURES FOR PUBLIC STREETS AND ALLEYS



STANDARD FLAT TOP SLAB FOR CATCH BASINS



NOTES:
 FLAT TOP SLAB APPLICATION CAN ONLY BE USED WITH WRITTEN PERMISSION FROM CDWM.
 USE LATEST IDOT DETAIL, #602601

FILE PATH = P:\602601-03\CD\006_Roadway\Printing\62674\Final_20170515\0162674-sht-Drain-CDWM-Detail-04.dgn

STANDARD REVISIONS	
DATE	DESCRIPTION
1/5/15	APPROVED PLAN

PERCENT COMPLETE	DATE
30	
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BULLETIN	

CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT BUREAU OF ENGINEERING SERVICES		DESIGNED: SDB	A.4
		CHECKED:	
FLAT TOP SLAB DETAILS		REVIEWED:	OF
			PN



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DESIGNED -
 DRAWN -
 CHECKED -
 DATE - 05/15/2017

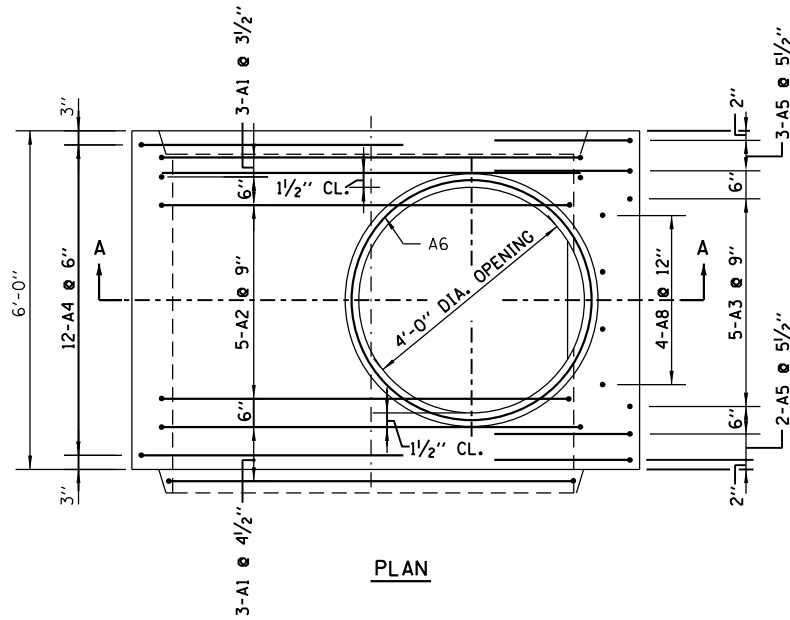
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

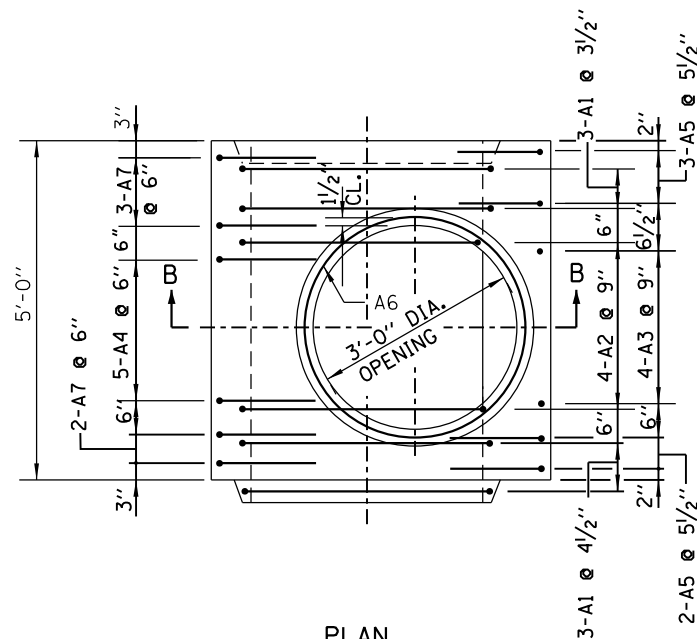
CHICAGO DEPARTMENT OF WATER MANAGEMENT (CDWM)
 STANDARD DETAILS

SCALE: NTS SHEET 4 OF 10 SHEETS STA. TO STA.

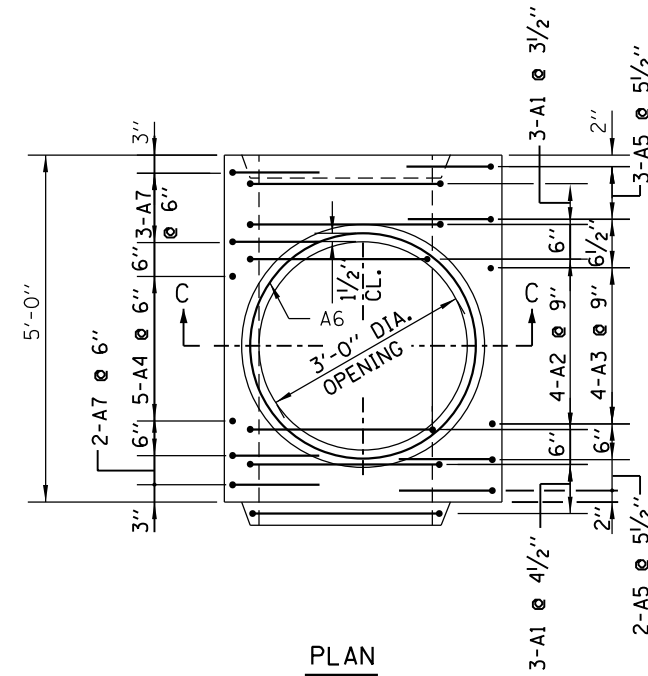
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90/94/290	2015-022-1	COOK	275	244
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				



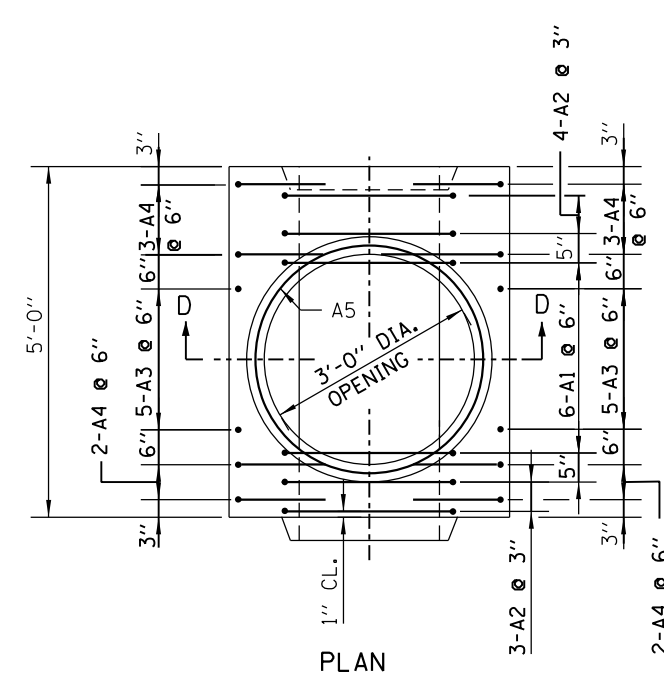
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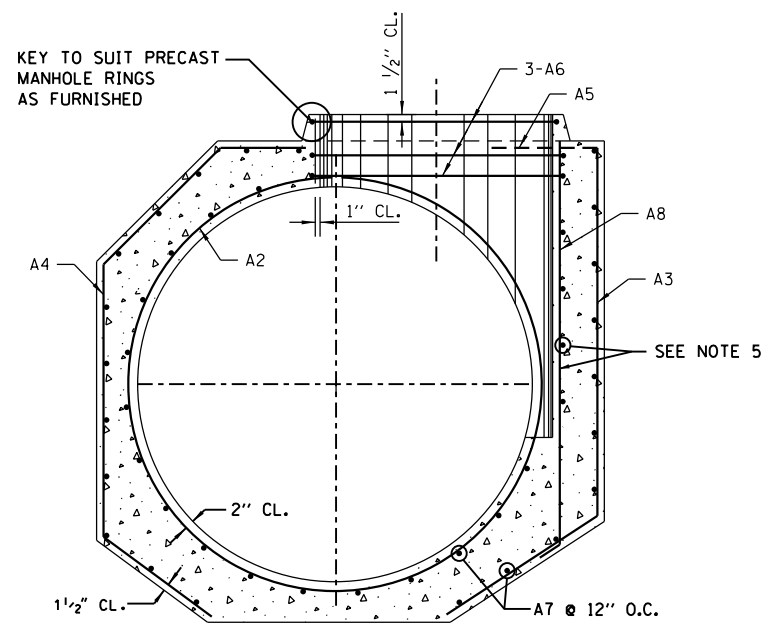
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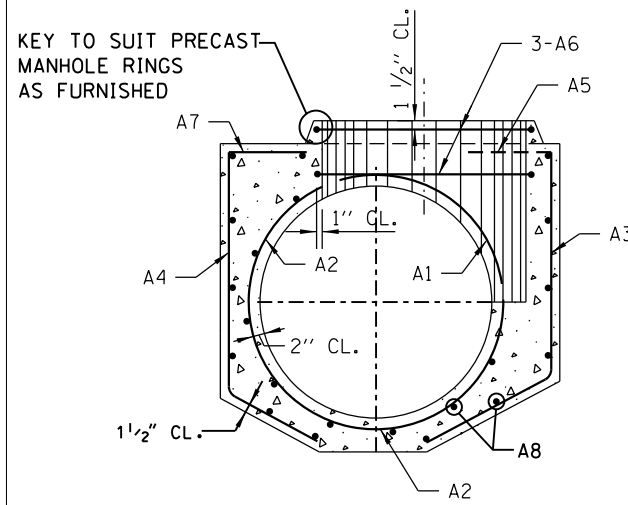
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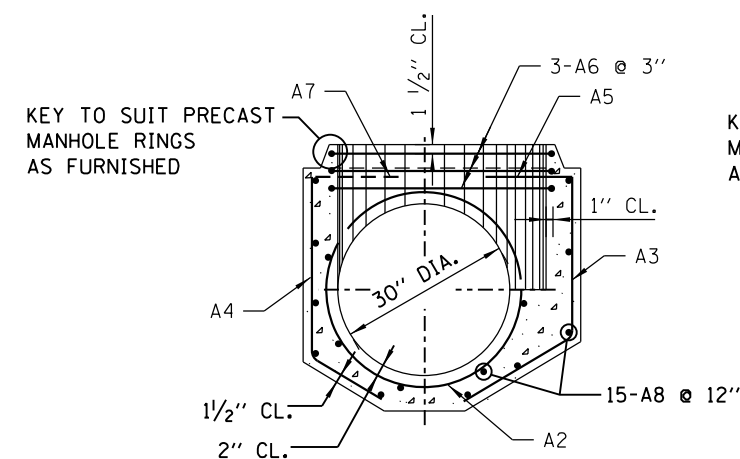
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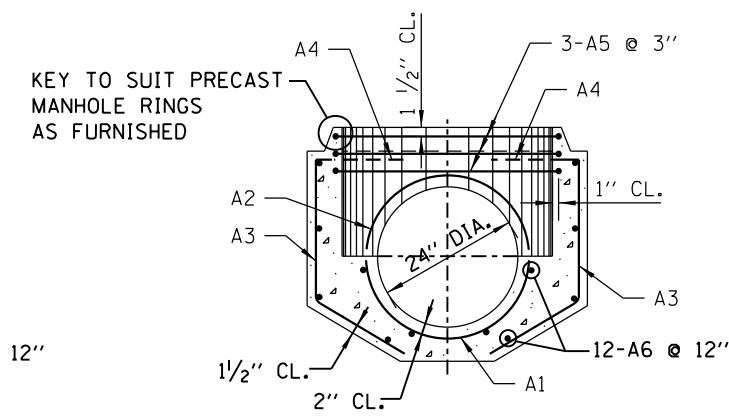
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

**MANHOLE BASE FOR SEWERS
48" DIA. TO 120" DIA. INCLUSIVE**

**MANHOLE BASE FOR SEWERS
36" DIA. AND 42" DIA.**

**MANHOLE BASE
FOR 30" DIA. SEWERS**

**MANHOLE BASE
FOR 24" DIA. SEWERS**

NOTES:
1. TWO LAYERS OF REINFORCEMENT FOR 66" DIA. MANHOLE AND OVER.

STANDARD REVISIONS	
DATE	DESCRIPTION
1/5/15	REVISION

PERCENT COMPLETE	DATE
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CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT BUREAU OF ENGINEERING SERVICES				DESIGNED: SBW CHECKED: A.6 REVIEWED: OF PN
REINFORCEMENT FOR TYPE "A" PRECAST MANHOLE BASES				



D162A74-sht-Drain-CDWM-Detail-06.dgn
USER NAME = dishevoz
PLOT SCALE = 2.0000' / in.
PLOT DATE = 5/12/2017

DESIGNED -
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DATE - 05/15/2017

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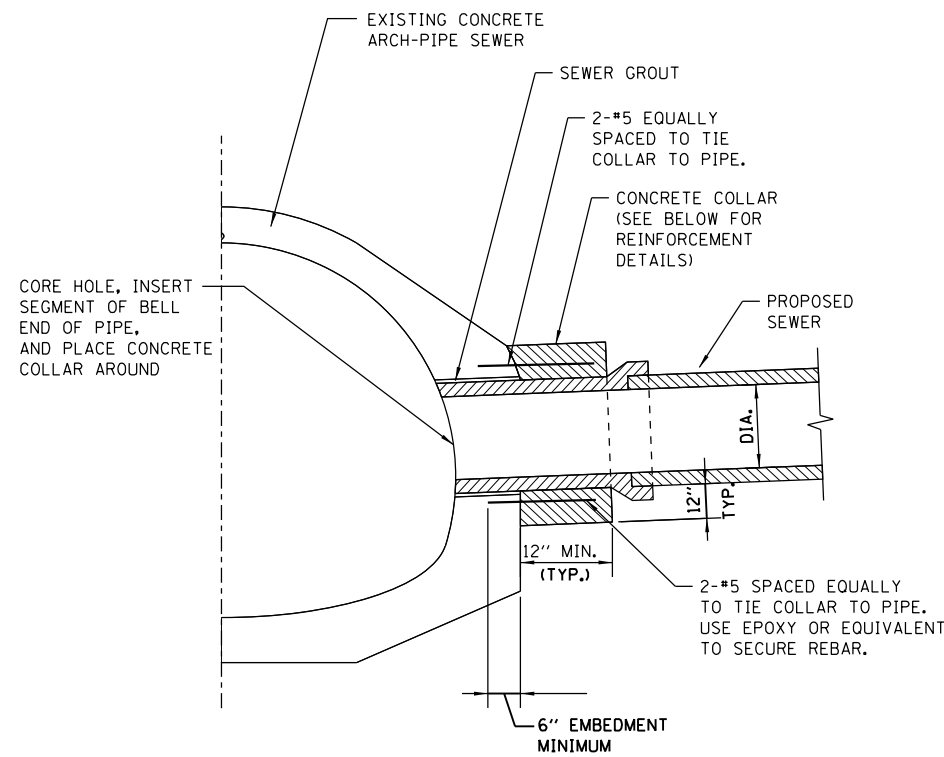
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO DEPARTMENT OF WATER MANAGEMENT (CDWM)
STANDARD DETAILS

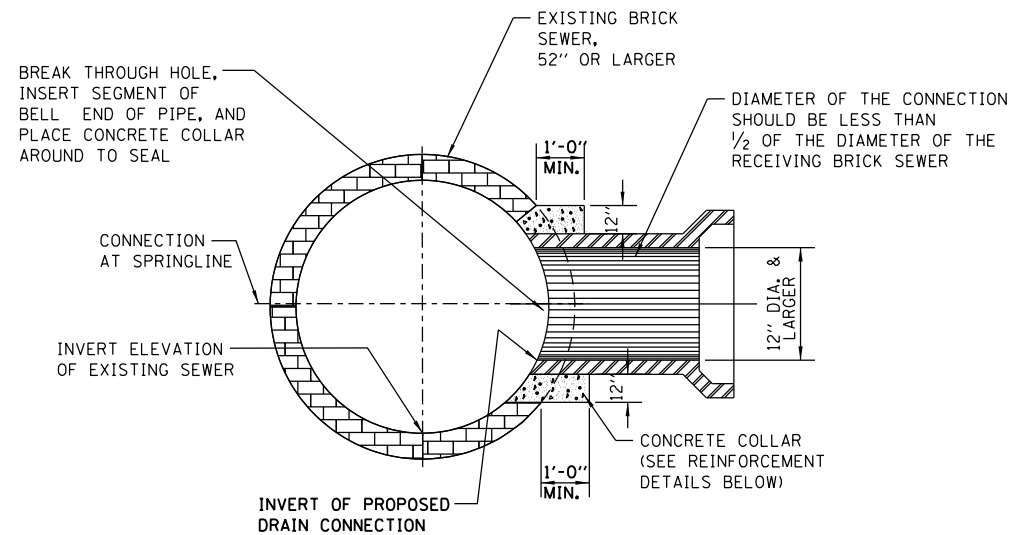
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F.A.I. RTE. 90/94/290	SECTION 2015-022-1	COUNTY COOK	TOTAL SHEETS 275	SHEET NO. 246
CONTRACT NO. 62A74				ILLINOIS FED. AID PROJECT

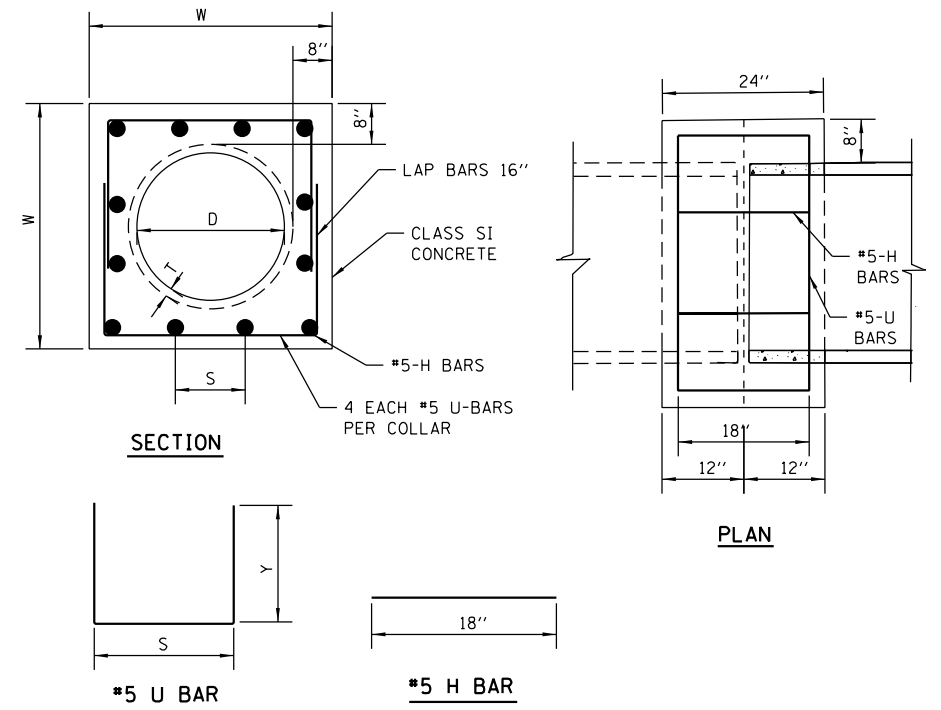
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EXAMPLE TYPICAL CONNECTION DETAIL
(NOT TO SCALE)



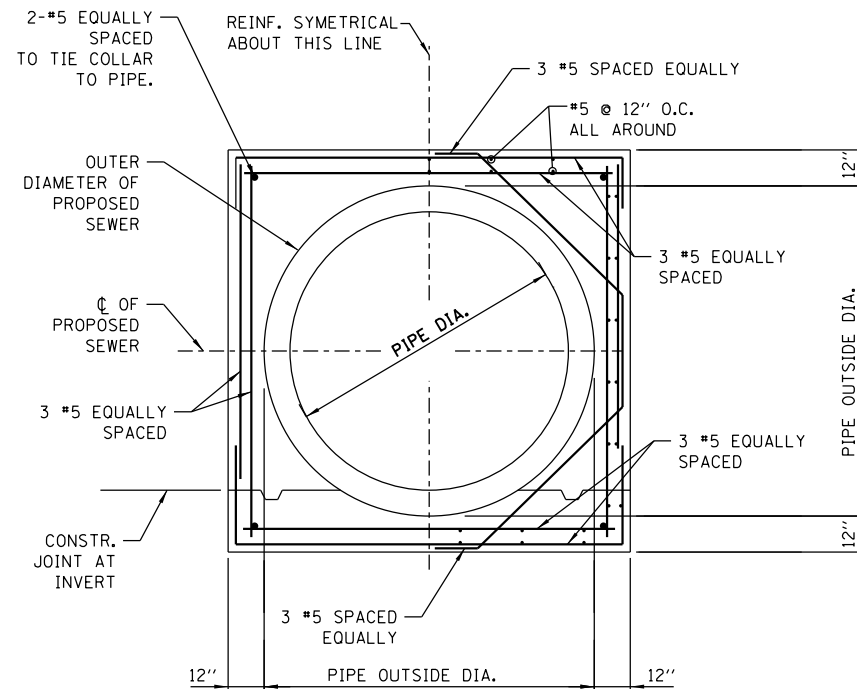
EXAMPLE TYPICAL BRICK SEWER CONNECTION FOR CONNECTING PIPE SIZES GREATER THAN 12" DIA.
(NOT TO SCALE)



PIPE TO PIPE REINFORCED CONCRETE COLLAR DETAIL
SCALE: N.T.S.

CONCRETE COLLAR NOTES:

1. ALL ITEMS AND MATERIALS SHALL CONFORM TO THE LATEST IDOT SSRBC SPECIFICATIONS, UNLESS OTHERWISE NOTED IN SUPPLEMENTAL SPECIFICATIONS FOR THE SPECIFIC PROJECT BEING CONSTRUCTED.
2. ALL CONCRETE SHALL CONFORM TO IDOT SSRBC ARTICLE 1020.04, CLASS SI, WITH A COMPRESSIVE STRENGTH OF 3500 PSI.
3. ALL EPOXY COATED REINFORCEMENT BARS SHALL CONFORM TO IDOT SSRBC SECTION 50B, AND ARTICLE 1006.10.
4. UNLESS OTHERWISE SHOWN, THE COVER FOR REINFORCING STEEL SHALL BE AS FOLLOWS: A.) CONCRETE CAST AGAINST PERMANENTLY EXPOSE EARTH: 3" B.) ALL OTHER REINFORCING BARS: 2"
5. CONCRETE COLLARS SHALL BE USED AT ALL EXISTING/PROPOSED PIPE CONNECTIONS. TRIM EXISTING PIPE END TO PROVIDE FLUSH BUTT JOINT, INSTALL REBAR, AND PLACE CONCRETE COLLAR.
6. THE CONTRACTOR SHALL PROVIDE ALL MEASURES AND PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO THE EXISTING SEWER DURING CONSTRUCTION. CONTRACTOR SHALL ADEQUATELY BRACE OR SHORE EXISTING SEWER IF REQUIRED TO MAINTAIN INTEGRITY OF SEWER DURING CONSTRUCTION. SUBMIT DESIGN AND DETAILS, SEALED AND SIGNED BY AN ILLINOIS LICENSED STRUCTURAL ENGINEER, SHOWING TEMPORARY BRACING FOR THE EXISTING SEWER DURING CONSTRUCTION FOR REVIEW PRIOR TO CONSTRUCTION. ANY DAMAGE TO EXISTING STRUCTURE IS RESPONSIBILITY OF THE CONTRACTOR.
7. CONTRACTOR SHALL DIVERT ALL FLOW FROM THE EXISTING SEWER PRIOR TO CONSTRUCTION SO THAT THE WORK CAN BE PERFORMED IN THE DRY CONDITION. SEWER MUST BE MAINTAINED IN SERVICE AT ALL TIMES. SUBMIT MEANS OF FLOW DIVERSION FOR REVIEW PRIOR BREAKING INTO EXISTING BRICK SEWER. ALL EXCAVATION SHALL BE KEPT DEWATERED DURING CONSTRUCTION OPERATIONS UNTIL BACKFILL IN PLACE. PROVISIONS SHALL BE MADE TO PREVENT THE BOTTOM OF ALL EXCAVATIONS FROM FREEZING OR FLOODING AT ALL TIMES. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE SHALL BE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK, HOWEVER, CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE OF THE WORK.



EXAMPLE CONCRETE COLLAR REINFORCEMENT - SECTION
(NOT TO SCALE)

D	T	W	U BAR				H BAR				CLASS SI	#5 EPOXY REBAR
			X	Y	QTY	LENGTH	S	QTY	LENGTH	TOTAL		
RCP DIA.	PIPE THICKNESS	WIDTH	(IN)	(IN)	(EACH)	(FT)	(IN)	(EACH)	(FT)	(CU YD)	(LBS)	
12"	2.00	32.0	26.00	21.00	4	22.7	8 1/8	12.0	18.0	0.42	42.5	
15"	2.25	35.5	29.50	22.75	4	25.0	9 3/8	12.0	18.0	0.49	44.8	
18"	2.50	39.0	33.00	24.50	4	27.3	10 1/2	12.0	18.0	0.57	47.2	
21"	2.75	42.5	36.50	26.25	4	29.7	8 3/4	16.0	24.0	0.65	56.0	
24"	3.00	46.0	40.00	28.00	4	32.0	9 5/8	16.0	24.0	0.72	58.4	
27"	3.25	49.5	43.50	29.75	4	34.3	10 1/2	16.0	24.0	0.81	60.8	
30"	3.50	53.0	47.00	31.50	4	36.7	11 3/8	16.0	24.0	0.89	63.3	
33"	3.75	56.5	50.50	33.25	4	39.0	9 4/5	20.0	30.0	0.98	72.0	
36"	4.00	60.0	54.00	35.00	4	41.3	10 1/2	20.0	30.0	1.07	74.4	
42"	4.50	67.0	61.00	38.50	4	46.0	9 7/8	24.0	36.0	1.26	85.5	
48"	5.00	74.0	68.00	42.00	4	50.7	11 1/8	24.0	36.0	1.46	90.4	

*NOTE: OPTION TO USE WITHOUT REBAR

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D162474-sht-Drain-CDWM-Detail-08.dgn
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PLOT DATE = 5/12/2017

DESIGNED -
DRAWN -
CHECKED -
DATE - 05/15/2017

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STANDARD REVISIONS	
DATE	DESCRIPTION
1/22/14	APPROVED PLAN

PERCENT COMPLETE	DATE
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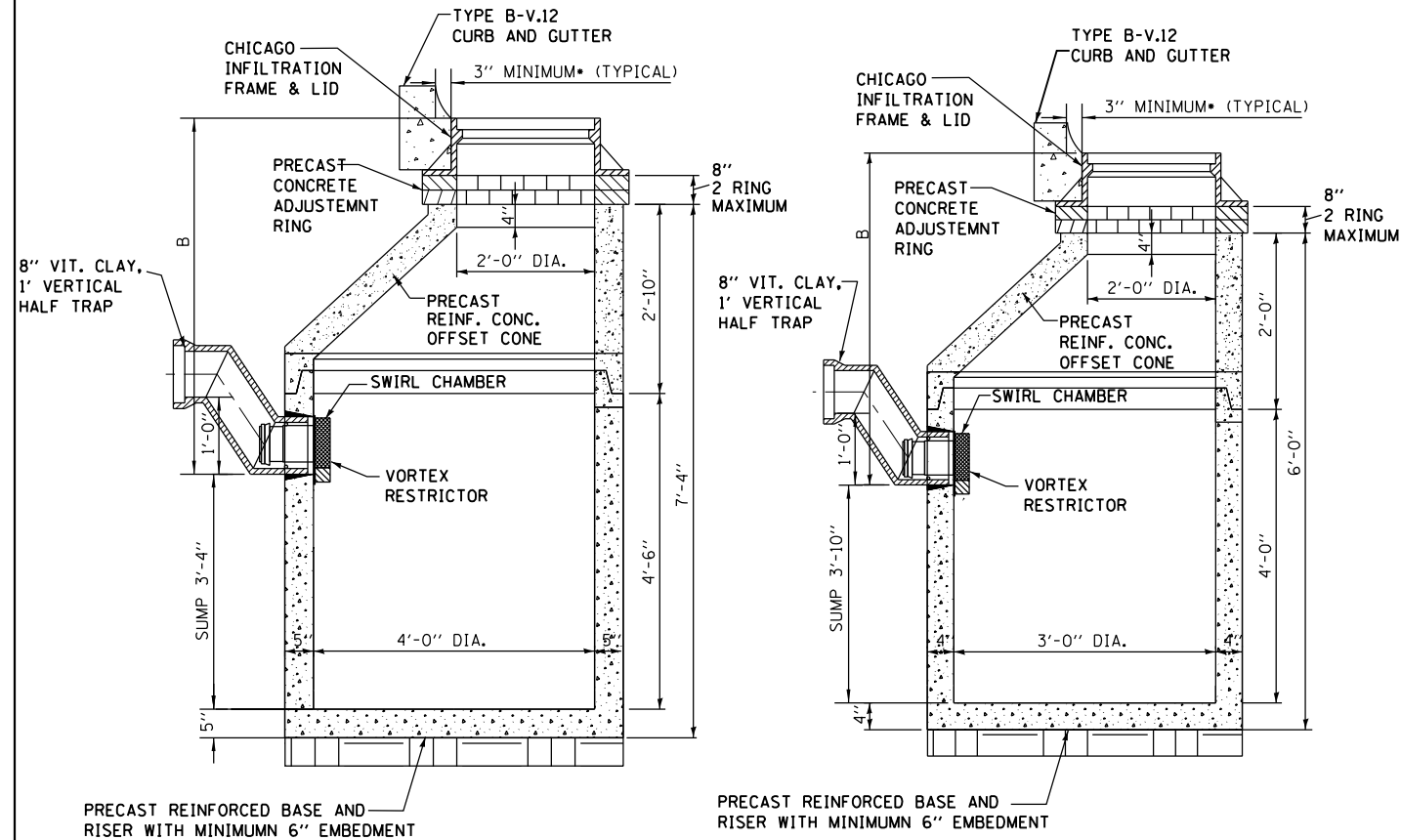
CITY OF CHICAGO
DEPARTMENT OF WATER MANAGEMENT
BUREAU OF ENGINEERING SERVICES
CONCRETE COLLAR / CONNECTION DETAILS

DESIGNED: **A.17**
CHECKED:
REVIEWED:
OF
PN

CHICAGO DEPARTMENT OF WATER MANAGEMENT (CDWM)
STANDARD DETAILS
SCALE: NTS SHEET 8 OF 10 SHEETS STA. TO STA.

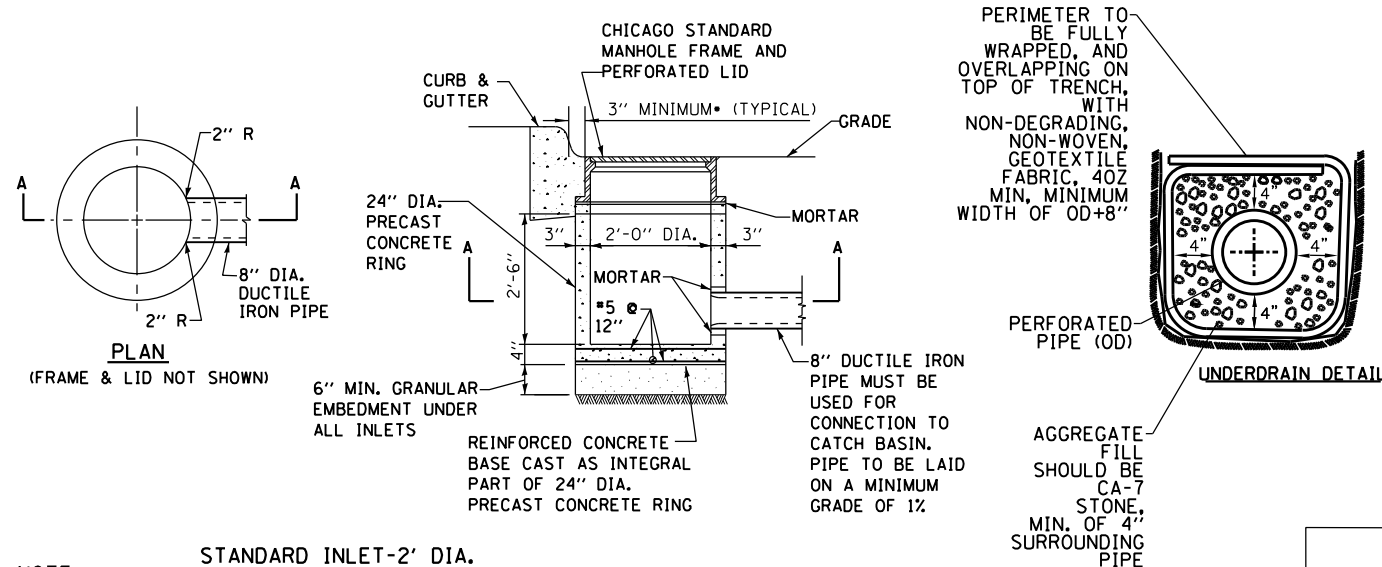
F.A.I. RTE. 90/94/290 SECTION 2015-022-1 COUNTY COOK TOTAL SHEETS 275 SHEET NO. 248
ILLINOIS FED. AID PROJECT CONTRACT NO. 62A74

STANDARD DRAINAGE STRUCTURES FOR PUBLIC STREETS



STANDARD CATCH BASIN-4' DIA.

STANDARD CATCH BASIN-3' DIA.



NOTE:
INLETS AND 3' DIAMETER CATCH BASINS ARE TO BE USED ONLY WITH PRIOR APPROVAL OF DWM SEWER ENGINEER OR FIELD INSPECTOR.

FOR TRENCH BACKFILL, USE FA-6 SAND, CRUSHED CONCRETE SAND, OR STONE SAND.

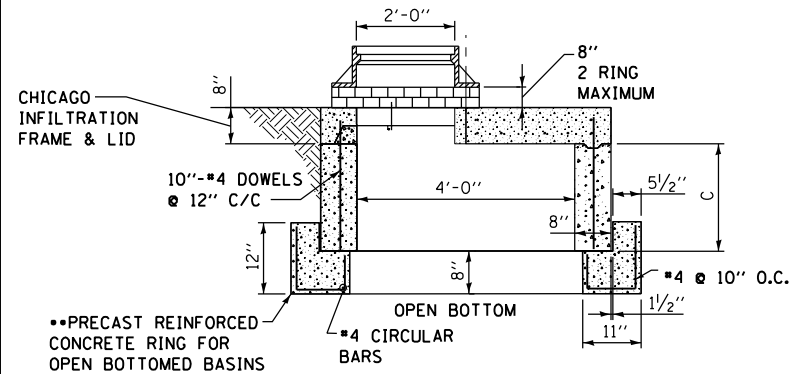
FOR GRANULAR EMBEDMENT, USE CA-11, CRUSHED GRAVEL, CRUSHED STONE, OR CRUSHED CONCRETE.

• OUTER EDGE OF FRAME TO FACE OF CURB

NOTES:

- FOR ANY DRAIN TILE CONNECTION, THE WATER TABLE MUST BE AT LEAST 3.5 FEET BELOW ELEVATION A.
- PVC UNDERDRAINS MUST BE 4" MINIMUM DIAMETER, (6" RECOMMENDED) AND MUST BE WRAPPED IN GEOTECH FABRIC.

STANDARD DRAINAGE STRUCTURES FOR PUBLIC ALLEYS



GREEN ALLEY OPEN BOTTOM CATCH BASIN

TO BE USED IF STANDARD CONE WITH REQUIRED SUMP DEPTH INSTALLATION IS IMPOSSIBLE.

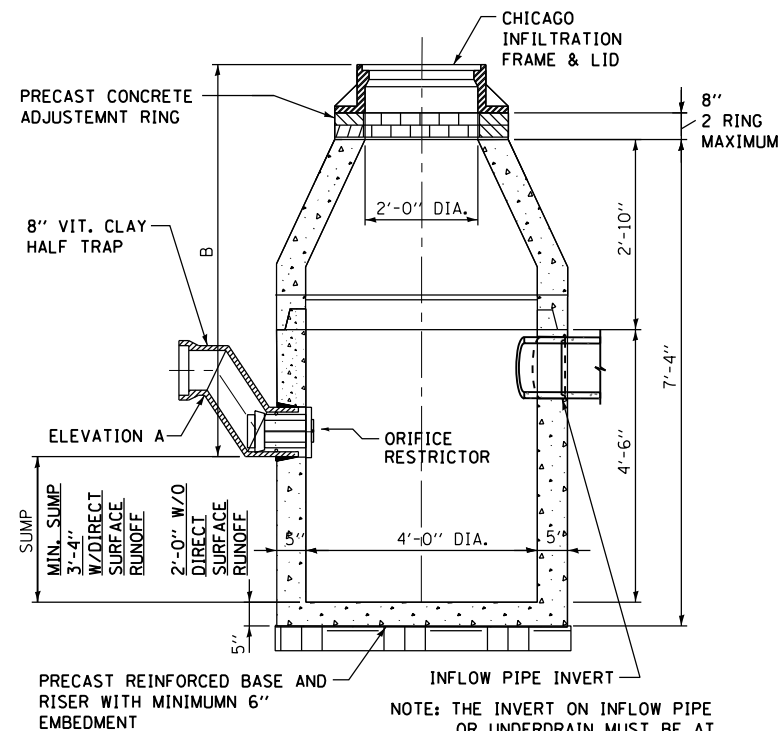
•• IF FLAT TOP SLAB CATCH BASIN IS USED IN AN OPEN BOTTOM APPLICATION, THE FOLLOWING CRITERIA MUST BE FOLLOWED:

- "C" MUST BE A MINIMUM OF 3 FEET.

- PROVIDE A MINIMUM AGGREGATE BASE OF 1.0 FEET BELOW PRECAST REINFORCED CONCRETE RING.

- GEOTECH FABRIC MUST BE PLACED ON SIDES AND BOTTOM OF AGGREGATE SURROUNDING BASIN.

- AGGREGATE BASE MUST PROVIDE ADEQUATE STORMWATER STORAGE CAPACITY PER THE APPROVED/PERMITTED PLANS.



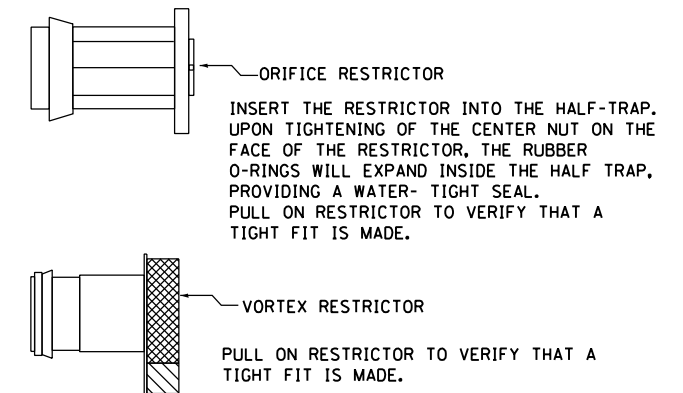
CATCH BASIN-ORIFICE RESTRICTOR

N.T.S.

STANDARD REVISIONS	
DATE	DESCRIPTION
9/30/16	APPROVED

PERCENT COMPLETE	DATE
30	
60	
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BULLETIN	

DRAINAGE STRUCTURES RESTRICTORS



GENERAL NOTES:

- CATCH BASIN TO CATCH BASIN CONNECTIONS ARE ALLOWED IN PRIVATE SITES & ALLEYS. ONLY THE DOWNSTREAM CATCH BASIN IS REQUIRED TO HAVE A HALF-TRAP.
- IF B < 4 FEET, THEN USE A DUCTILE IRON PIPE HALF TRAP AND FLAT TOP SLAB CATCH BASIN AS NECESSARY.
- INLETS AND 3' DIAMETER CATCH BASINS ARE TO BE USED ONLY WITH PRIOR APPROVAL OF DWM FIELD INSPECTOR.

RESTRICTOR NOTES:

THE DWM'S RAIN BLOCKER RESTRICTOR PROGRAM MUST BE MAINTAINED WITH ANY ROADWAY IMPROVEMENT.

THE DESIGN OF ANY ROADWAY IMPROVEMENT MUST CONSIDER LIMITING THE NUMBER OF CATCH BASINS TO THE EXTENT PRACTICAL. THE NUMBER OF EXISTING STRUCTURES SHOULD NOT BE INCREASED.

THE RESTRICTORS CAN BE OBTAINED FROM DWM CENTRAL DISTRICT AT 3901 S. ASHLAND AVE. THE CONTRACTOR SHOULD ARRANGE FOR PICK UP BY CONTACTING 312-747-1177 (7AM TO 3PM, M-F)

FLOW RESTRICTORS MUST BE INSTALLED IN ALL CATCH BASINS OUTSIDE OF THE CENTRAL BUSINESS DISTRICT. RESTRICTORS MUST NOT BE INSTALLED IN CATCH BASINS IN CLOSE PROXIMITY TO VIADUCT AREAS, BUS STOPS, OR EMERGENCY ENTRANCES. THE DWM MUST APPROVE THE NON-INSTALLATION OR REMOVAL OF ANY RESTRICTOR. REQUIREMENTS FOR RESTRICTOR INSTALLATION ARE AS FOLLOWS:

- ARTERIAL STREETS: 3-INCH ORIFICE RESTRICTOR
- BUS ROUTES: 3-INCH ORIFICE RESTRICTOR
- RESIDENTIAL STREETS: 3-INCH VORTEX RESTRICTOR
- ALLEYS: 3-INCH ORIFICE RESTRICTOR IN THE LAST CB.
- CLOSED LIDS ARE REQUIRED ON ALL MANHOLES EXCEPT AT INTERSECTIONS WHERE A PERFORATED LID SHALL BE USED.

CHICAGO DEPARTMENT OF WATER MANAGEMENT (CDWM)			
STANDARD DETAILS			
SCALE: NTS	SHEET 9	OF 10 SHEETS	STA. TO STA.

CITY OF CHICAGO			
DEPARTMENT OF WATER MANAGEMENT			
BUREAU OF ENGINEERING SERVICES			
DESIGNED BY	CHECKED BY	REVIEWED BY	SHEET NO.
			A.18
DRAINAGE STRUCTURE DETAILS			OF
			PN
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS
90/94/290	2015-022-1	COOK	275
			249
CONTRACT NO. 62A74			
ILLINOIS FED. AID PROJECT			



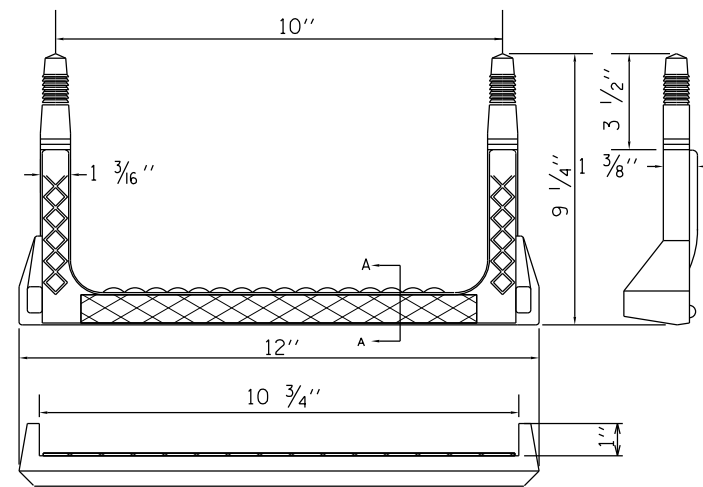
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 PLOT DATE = 5/12/2017

DESIGNED -
 DRAWN -
 CHECKED -
 DATE - 05/15/2017

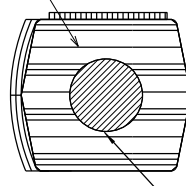
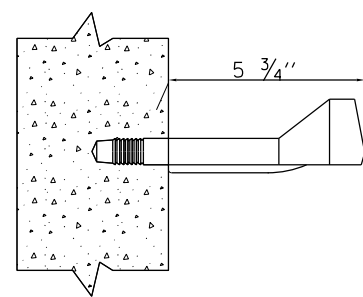
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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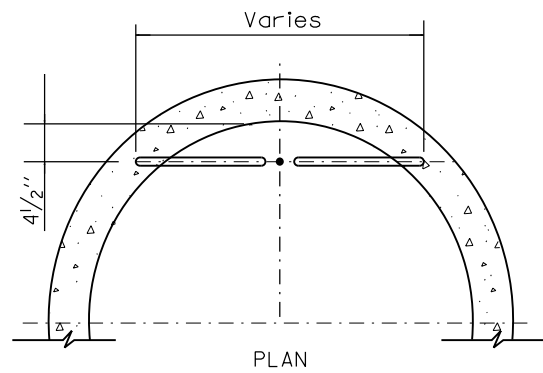


9/16" SOLID ALUMINUM BAR REINFORCEMENT

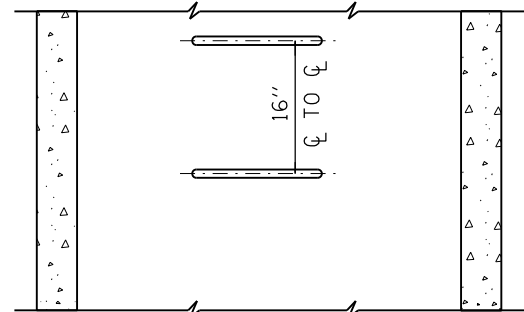
SECTION - A

RECTANGULAR STEP LADDER RUNG

FOR USE ONLY IN 48" DIAMETER AND LARGER MANHOLES.

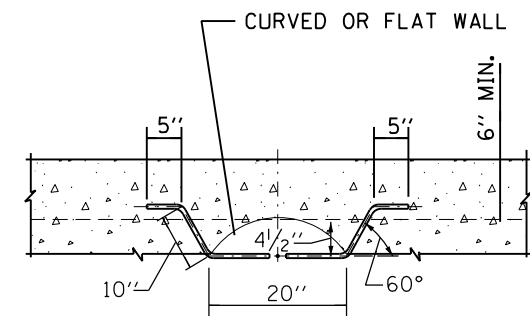


PLAN

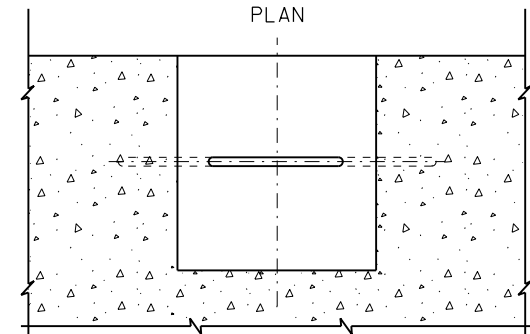


ELEVATION

TYPE X



PLAN



ELEVATION

TYPE Y

NOTES:

1. VERTICAL SPACING = 16" O.C., ON VERTICAL WALL ONLY.
2. FIRST LADDER RING SHOULD BE A MAXIMUM OF 31" BELOW TOP OF MANHOLE FRAME
3. STEPS SHALL MEET THE REQUIREMENTS OF ASTM C478 IN ADDITION TO A HORIZONTAL PULL-OUT LOAD OF 1000 LBS. WHEN INSTALLED.
4. ALL STEPS SHALL BE VERTICALLY ALIGNED IN A STRAIGHT LINE.
5. NO STEPS LOCATED INSIDE MANHOLE CHIMNEY.
6. MINIMUM CONCRETE STRENGTH MUST BE 3000 PSI
7. HOLES- PREFORMED/DRILLED
 - A. HOLES MUST BE PARALLEL
 - B. HOLES MUST BE 10" CENTERED, 1" DIAMETER
 - C. MINIMUM DEPTH- 3 1/2" TO 3 3/4"

STANDARD REVISIONS	
DATE	DESCRIPTION
12/28/15	APPROVED PLAN

PERCENT COMPLETE	DATE
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BULLETIN	

CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT BUREAU OF ENGINEERING SERVICES		DESIGNED: SBW	A.20
LADDER RUNGS		CHECKED:	
		REVIEWED:	OF
			PN

		TOTAL SHEETS	SHEET NO.
		275	250
CONTRACT NO. 62A74			

CHICAGO DEPARTMENT OF WATER MANAGEMENT (CDWM) STANDARD DETAILS			
SCALE: NTS	SHEET 10	OF 10	SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	250
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



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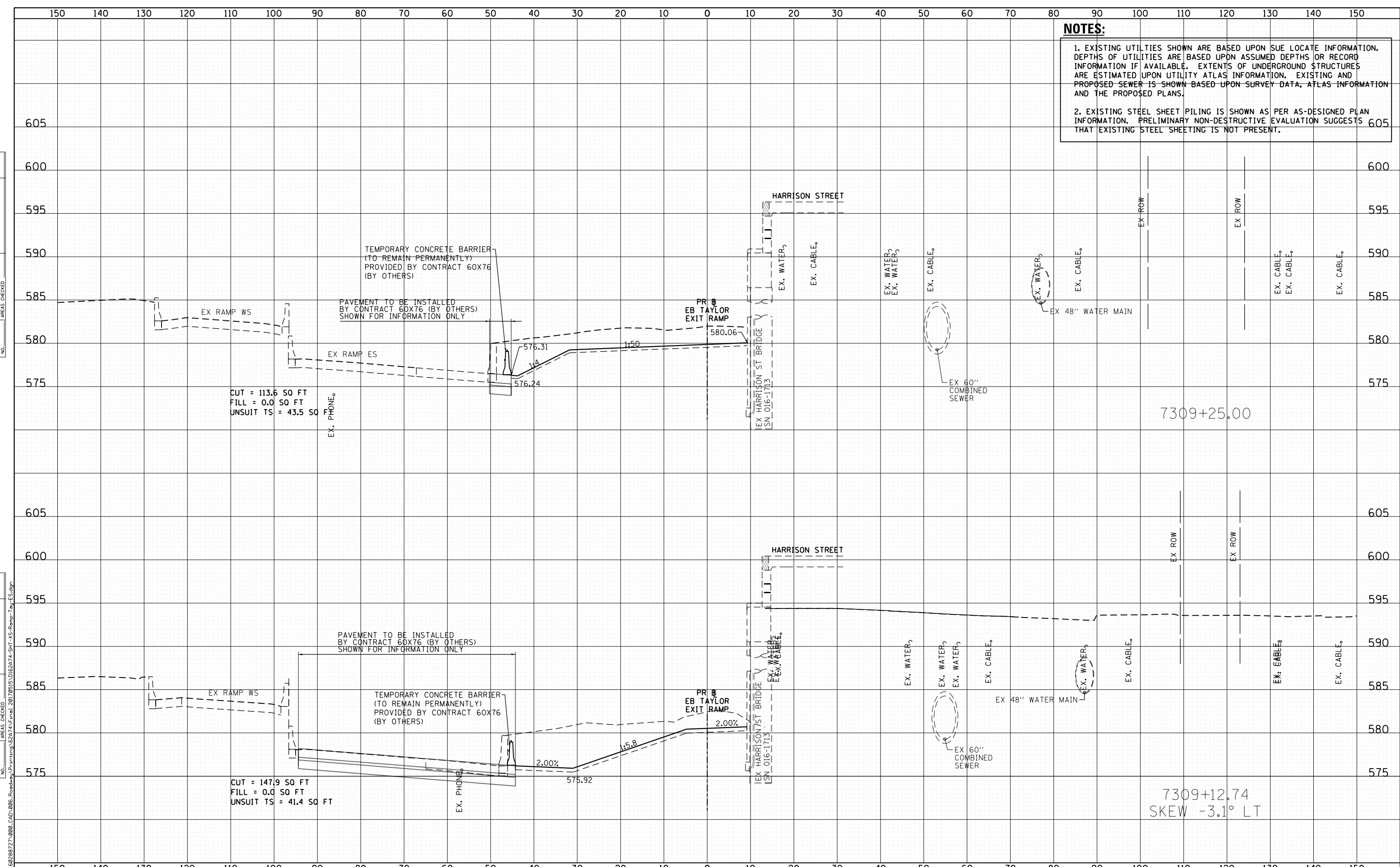
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DATE - 05/15/2017

REVISED -
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REVISED -

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DATE	
BY	
FINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
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ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



D162A74-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
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PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	251
CONTRACT NO. 62A74				
SHEET 01 OF 25 SHEETS		STA. 7309+12.74 TO STA. 7309+25.00		

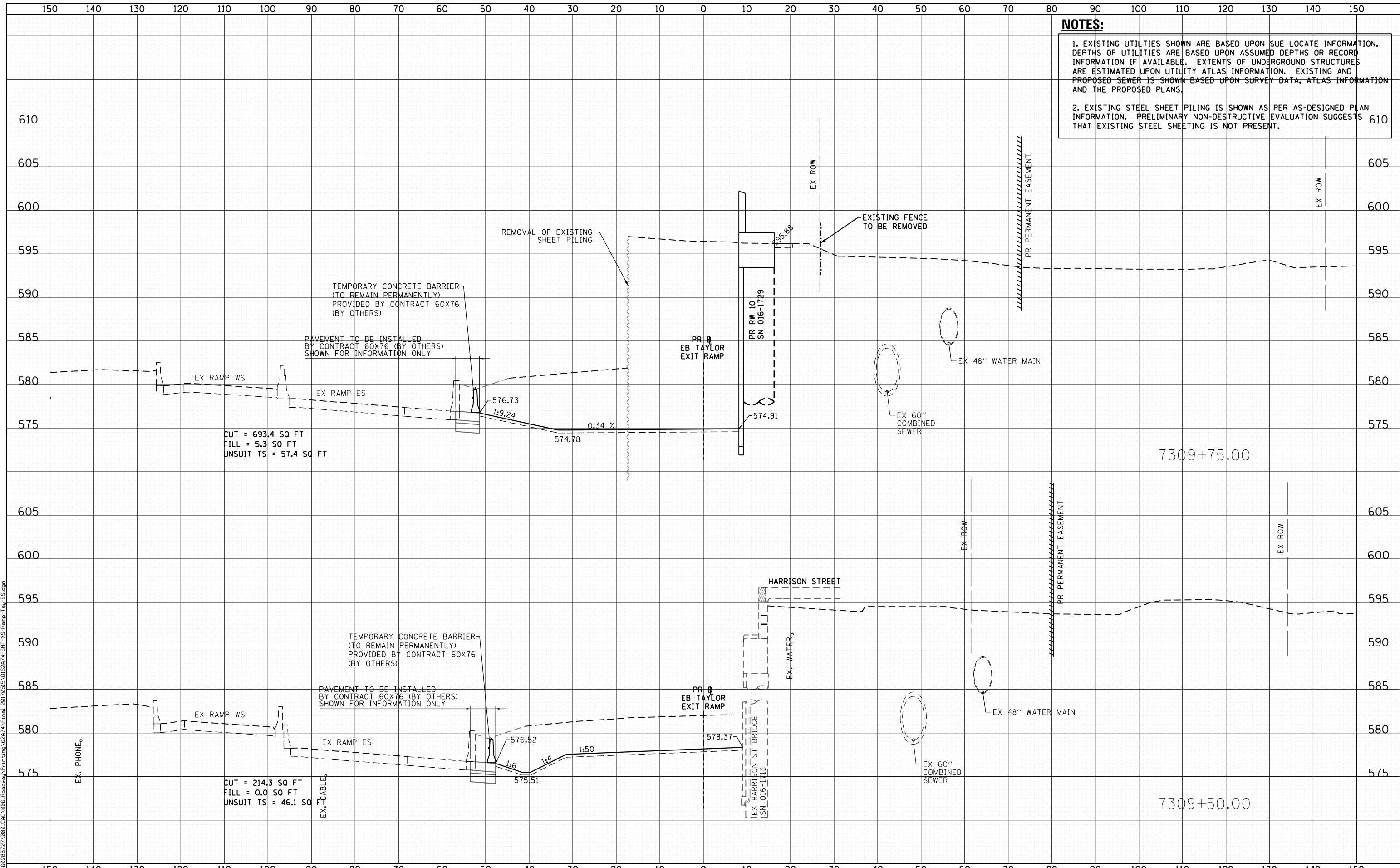
ILLINOIS FED. AID PROJECT	
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AREAS CHECKED	
NO.	
FINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
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ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
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NOTES:
 1. EXISTING UTILITIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.
 2. EXISTING STEEL SHEET PILING IS SHOWN AS PER AS-DESIGNED PLAN INFORMATION. PRELIMINARY NON-DESTRUCTIVE EVALUATION SUGGESTS THAT EXISTING STEEL SHEETING IS NOT PRESENT.



D162A74-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
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PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
EB TAYLOR EXIT RAMP/
RETAINING WALL 10 (SN 016-1729)
 SHEET 02 OF 25 SHEETS STA. 7309+50.00 TO STA. 7309+75.00

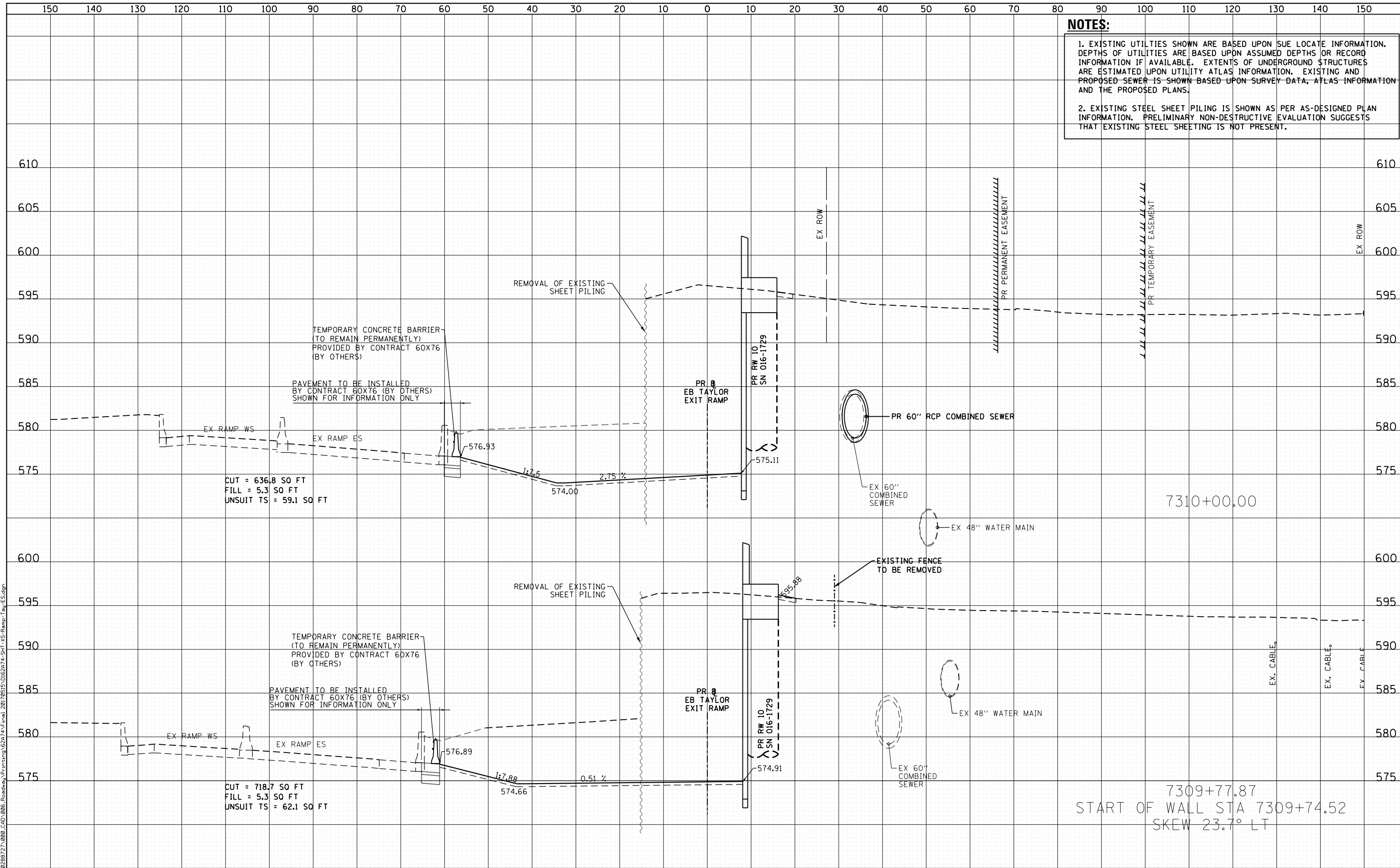
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	252
				CONTRACT NO. 62A74
ILLINOIS FED. AID PROJECT				

NOTES:

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DATE	
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TEMPLATE	
AREAS CHECKED	
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FINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
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PLOTTED	
TEMPLATE	
AREAS CHECKED	
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ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
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PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
EB TAYLOR EXIT RAMP/
RETAINING WALL 10 (SN 016-1729)

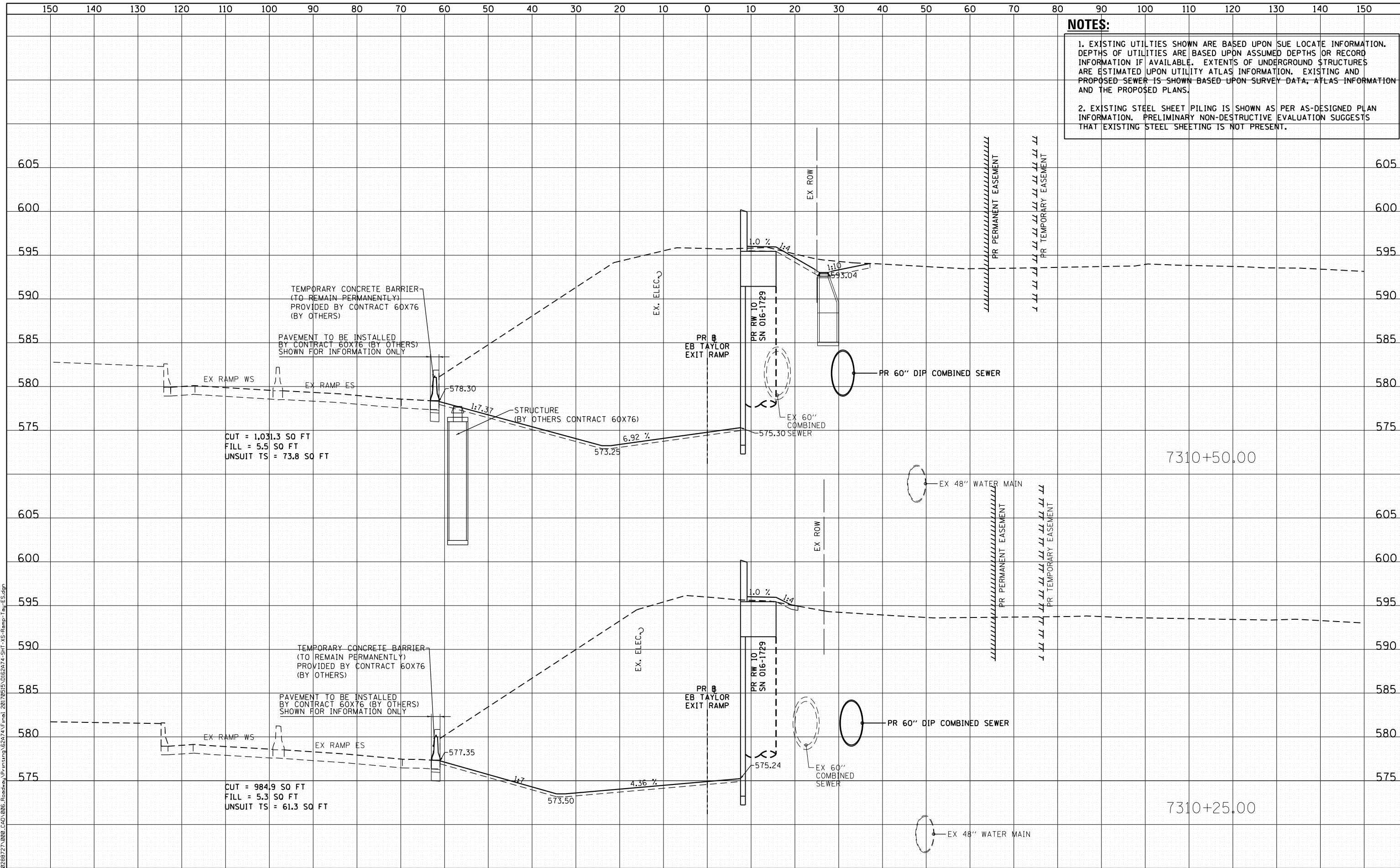
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	253
CONTRACT NO. 62A74				
SHEET 03 OF 25 SHEETS				
STA. 7309+77.87 TO STA. 7310+00.00				
ILLINOIS FED. AID PROJECT				

NOTES:

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DATE	
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TEMPLATE	
AREAS CHECKED	
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FINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	
ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
NO.	



CUT = 1,031.3 SO FT
 FILL = 5.5 SO FT
 UNSUIT TS = 73.8 SO FT

CUT = 984.9 SO FT
 FILL = 5.3 SO FT
 UNSUIT TS = 61.3 SO FT



D162A74-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
USER NAME = PIMSARNO	DRAWN - AFC	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
**EB TAYLOR EXIT RAMP/
 RETAINING WALL 10 (SN 016-1729)**

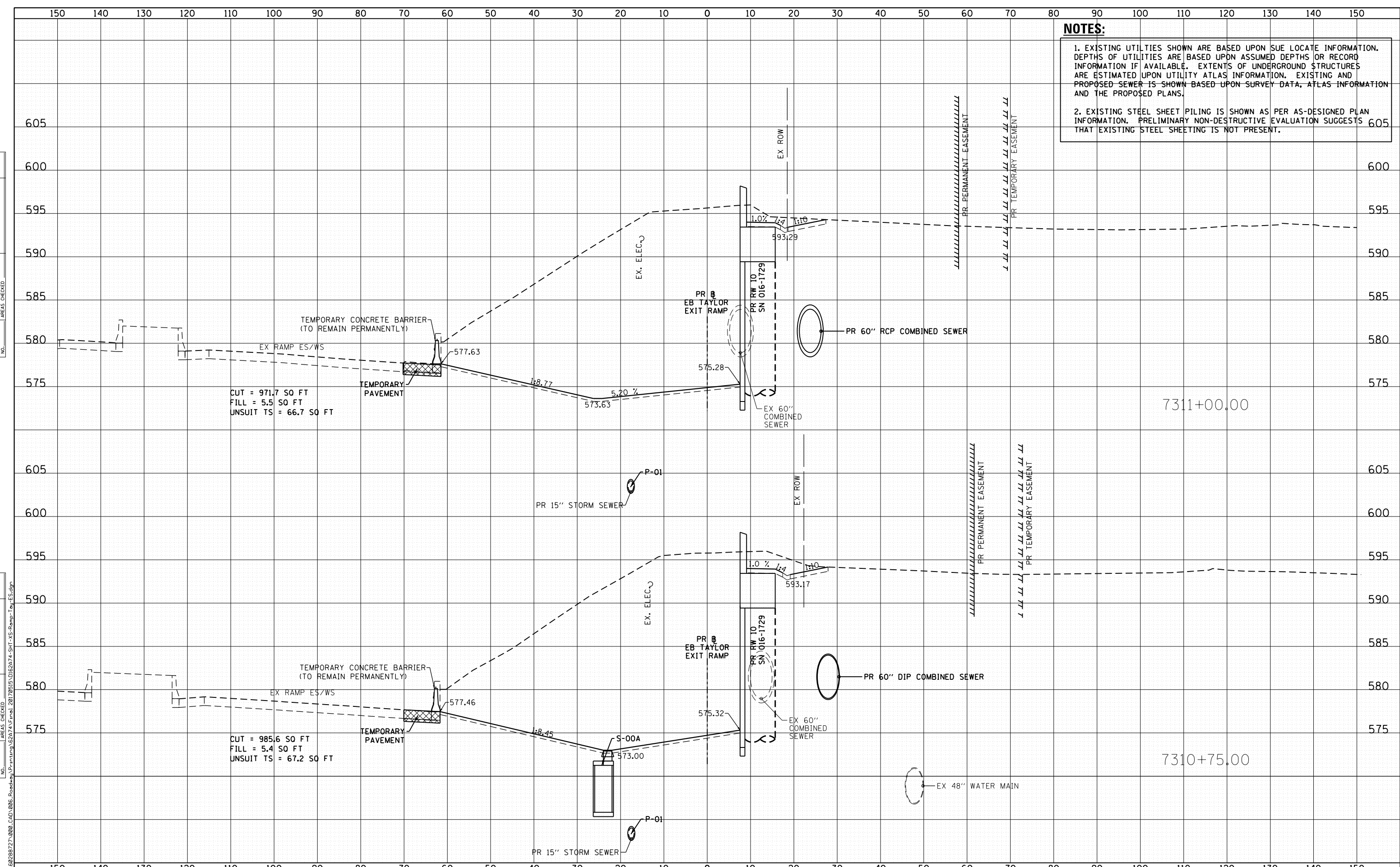
SHEET 04 OF 25 SHEETS STA. 7310+25.00 TO STA. 7310+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	254
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

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DATE	
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FINAL SURVEY	
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NOTE BOOK	
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SURVEYED	
PLOTTED	
TEMPLATE	
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AREAS CHECKED	



NOTES:

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D162A74-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
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PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
EB TAYLOR EXIT RAMP/
RETAINING WALL 10 (SN 016-1729)**

SHEET 05 OF 25 SHEETS STA. 7310+75.00 TO STA. 7311+00.00

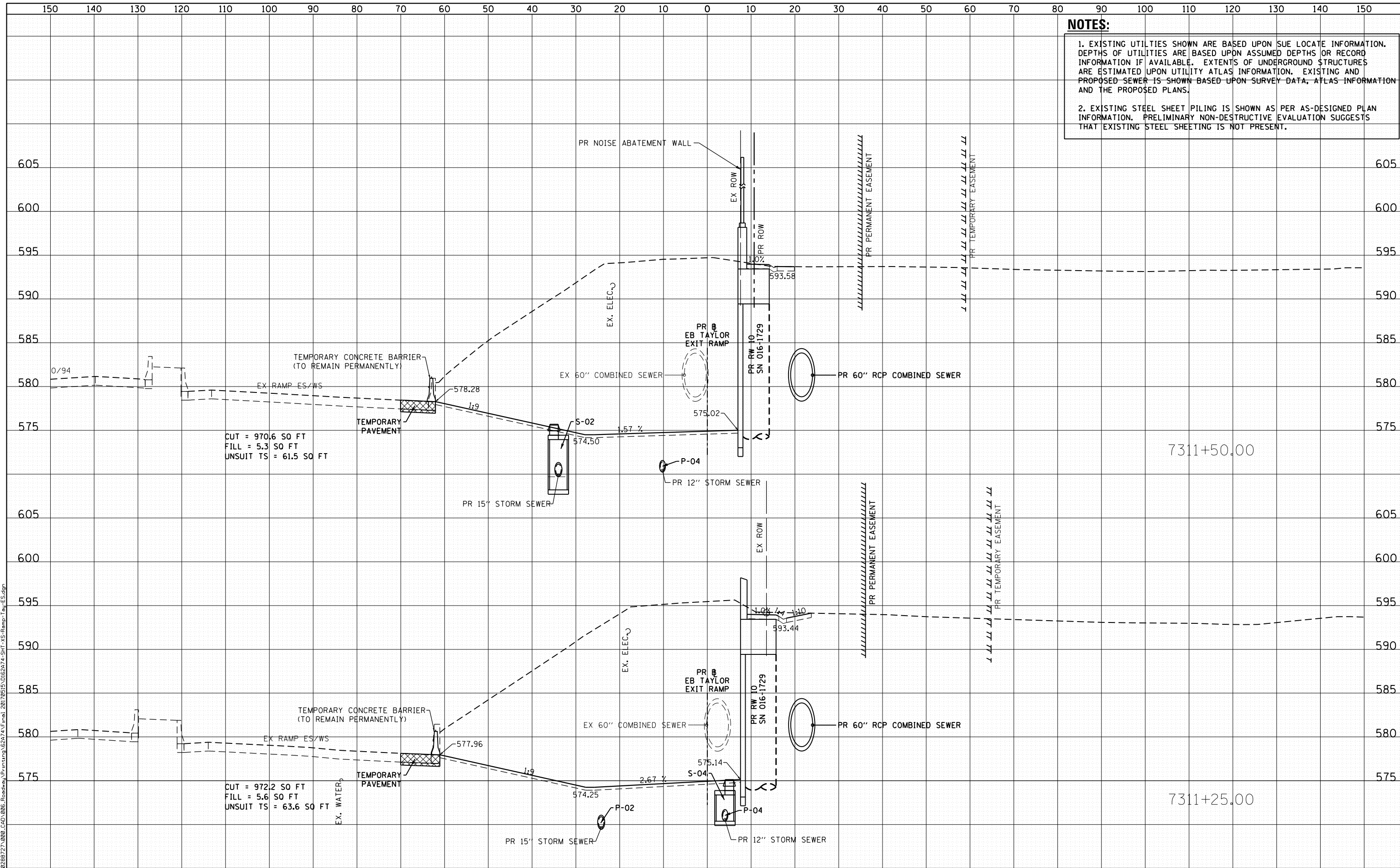
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90/94/290	2015-022-1	COOK	275	255
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

NOTES:

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DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
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SURVEYED	
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TEMPLATE	
AREAS CHECKED	
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D162A74-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
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PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
90/94/290	2015-022-1	COOK	275
SHEET 06 OF 25 SHEETS			SHEET NO. 256
STA. 7311+25.00 TO STA. 7311+50.00			CONTRACT NO. 62A74

ILLINOIS	FED. AID PROJECT
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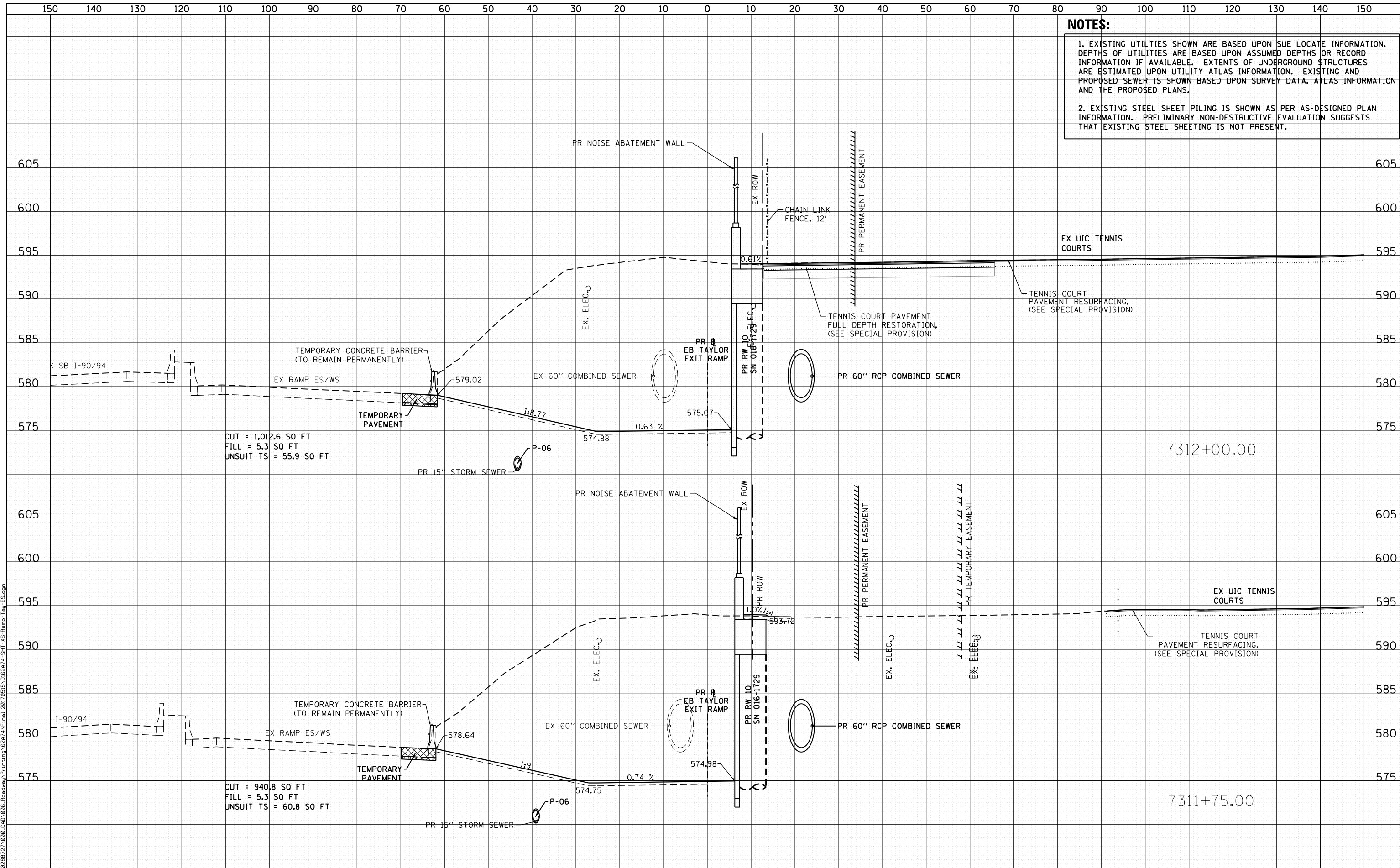
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NOTES:

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DATE	
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PLOTTED	
TEMPLATE	
AREAS CHECKED	
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DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



CUT = 1,012.6 SO FT
 FILL = 5.3 SO FT
 UNSUIT TS = 55.9 SO FT

CUT = 940.8 SO FT
 FILL = 5.3 SO FT
 UNSUIT TS = 60.8 SO FT



D162474-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
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PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
EB TAYLOR EXIT RAMP/
RETAINING WALL 10 (SN 016-1729)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	257
CONTRACT NO. 62A74				

SHEET 07 OF 25 SHEETS STA. 7311+75.00 TO STA. 7312+00.00

ILLINOIS FED. AID PROJECT

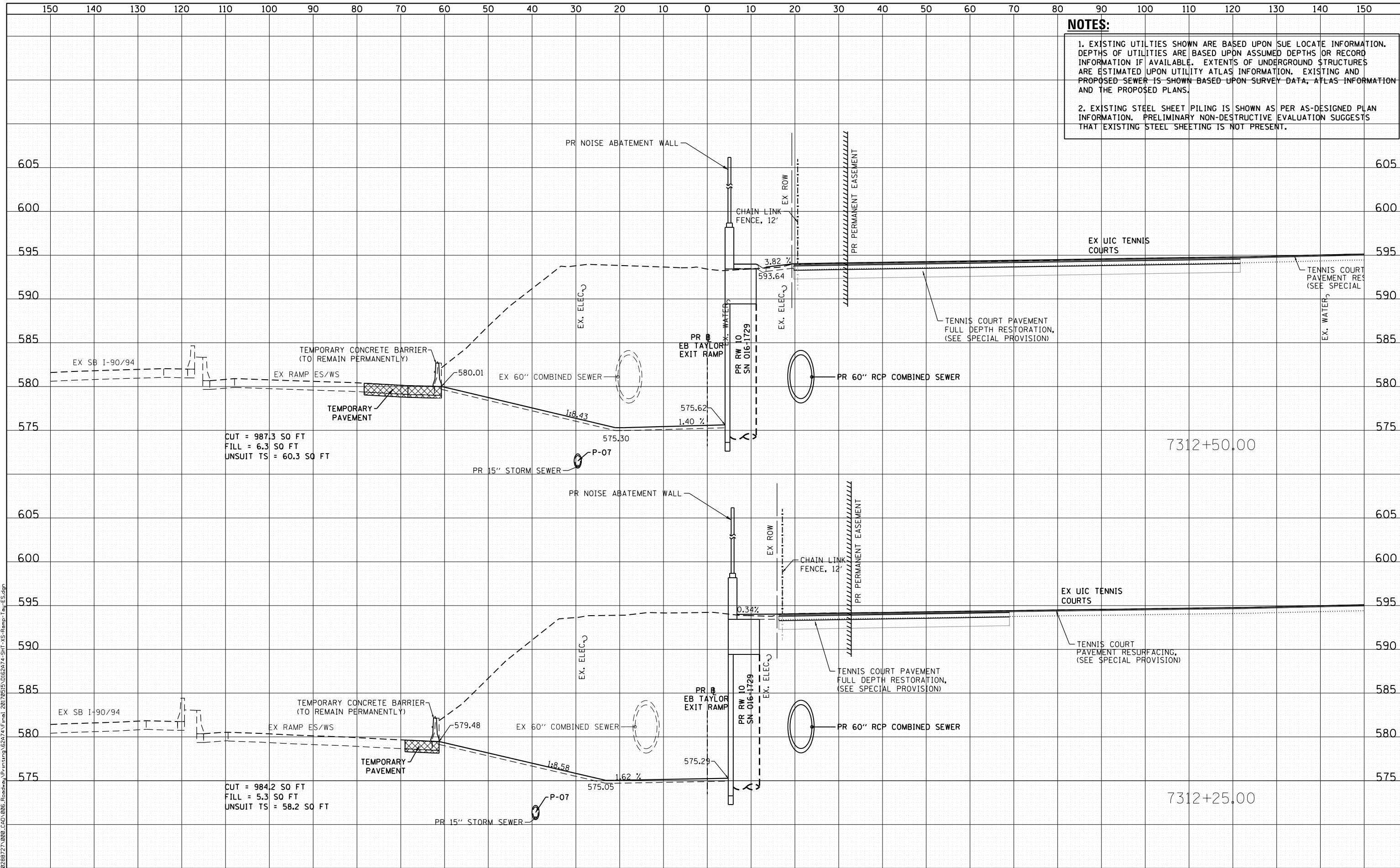
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NOTES:

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DATE	
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TEMPLATE	
NOTE BOOK	
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SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



CUT = 987.3 SO FT
 FILL = 6.3 SO FT
 UNSUIT TS = 60.3 SO FT

CUT = 984.2 SO FT
 FILL = 5.3 SO FT
 UNSUIT TS = 58.2 SO FT



D162A74-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
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PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 EB TAYLOR EXIT RAMP/
 RETAINING WALL 10 (SN 016-1729)**

SHEET 08 OF 25 SHEETS STA. 7312+25.00 TO STA. 7312+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	258
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

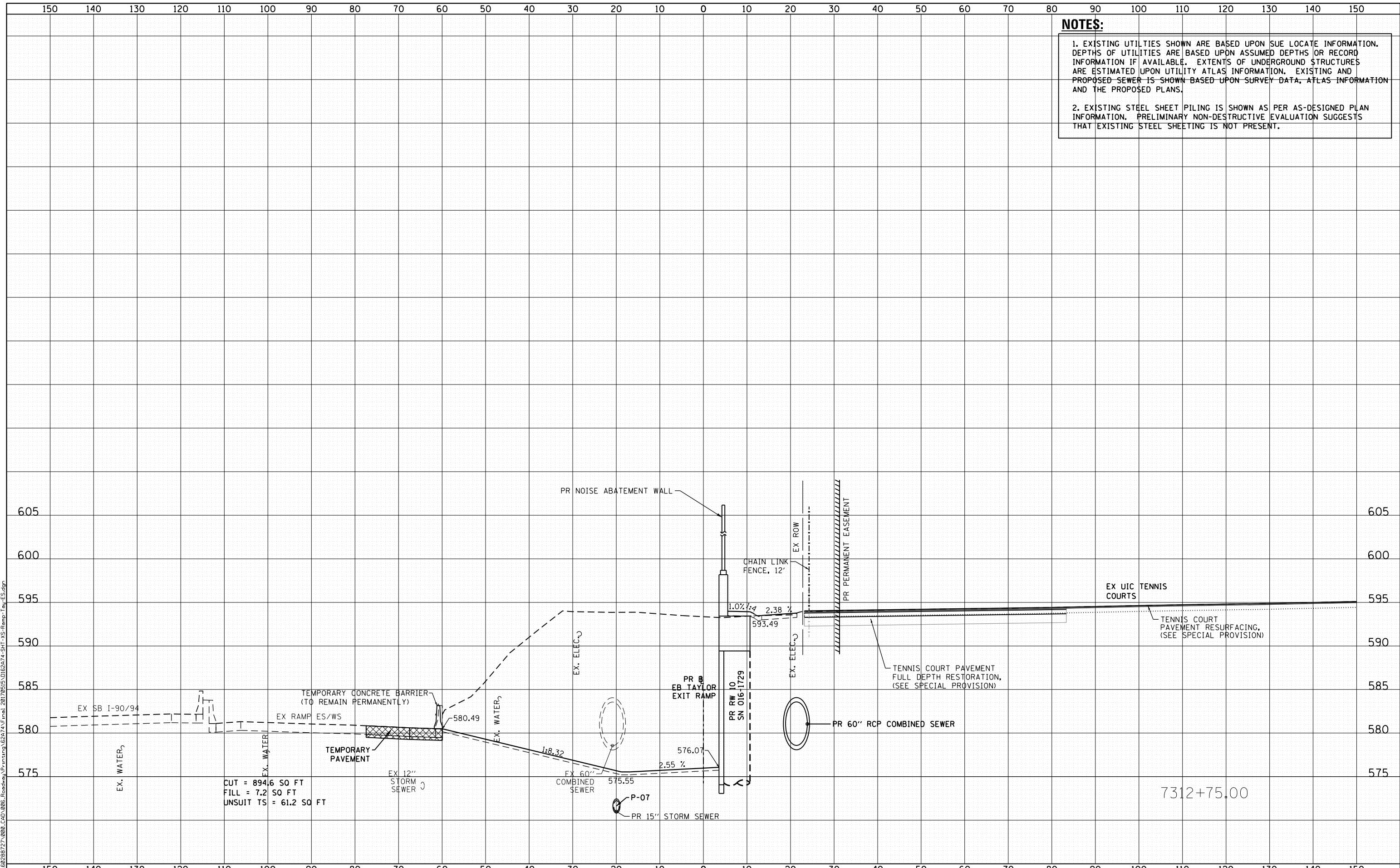
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

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ORIGINAL SURVEY NO.	
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NOTES:
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D162A74-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
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PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
90/94/290	2015-022-1	COOK	275
SHEET 09 OF 25 SHEETS			259
STA. 7312+66.51 TO STA. 7312+66.51			CONTRACT NO. 62A74

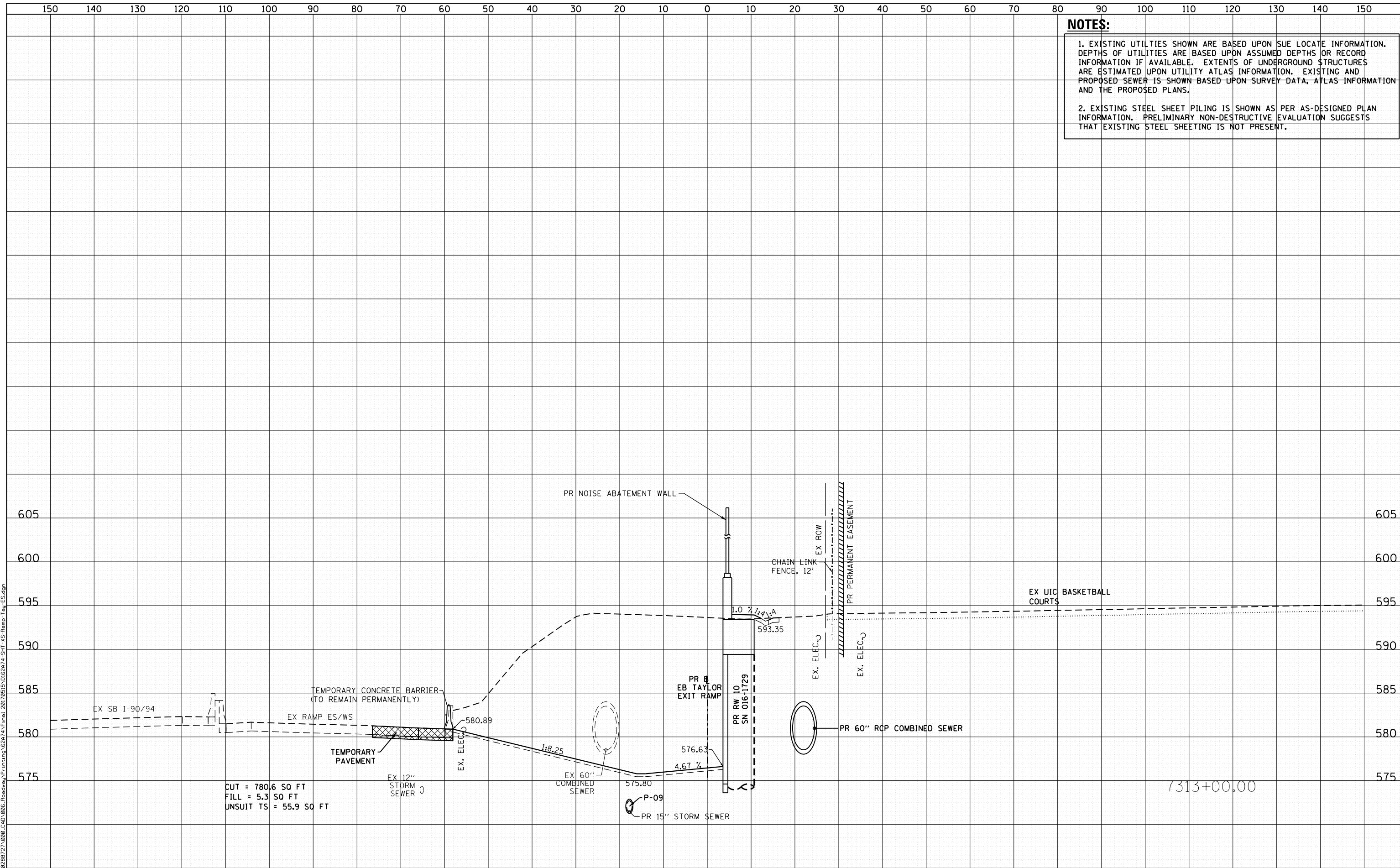
ILLINOIS	FED. AID PROJECT
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DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED	
TEMPLATE AREAS CHECKED	
NOTE BOOK AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED	
TEMPLATE AREAS CHECKED	
NOTE BOOK AREAS CHECKED	

NOTES:

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CUT = 780.6 SO FT
 FILL = 5.3 SO FT
 UNSUIT TS = 55.9 SO FT



D162A74-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
90/94/290	2015-022-I	COOK	275
SHEET 10 OF 25 SHEETS			STA. 7312+75.00 TO STA. 7313+00.00

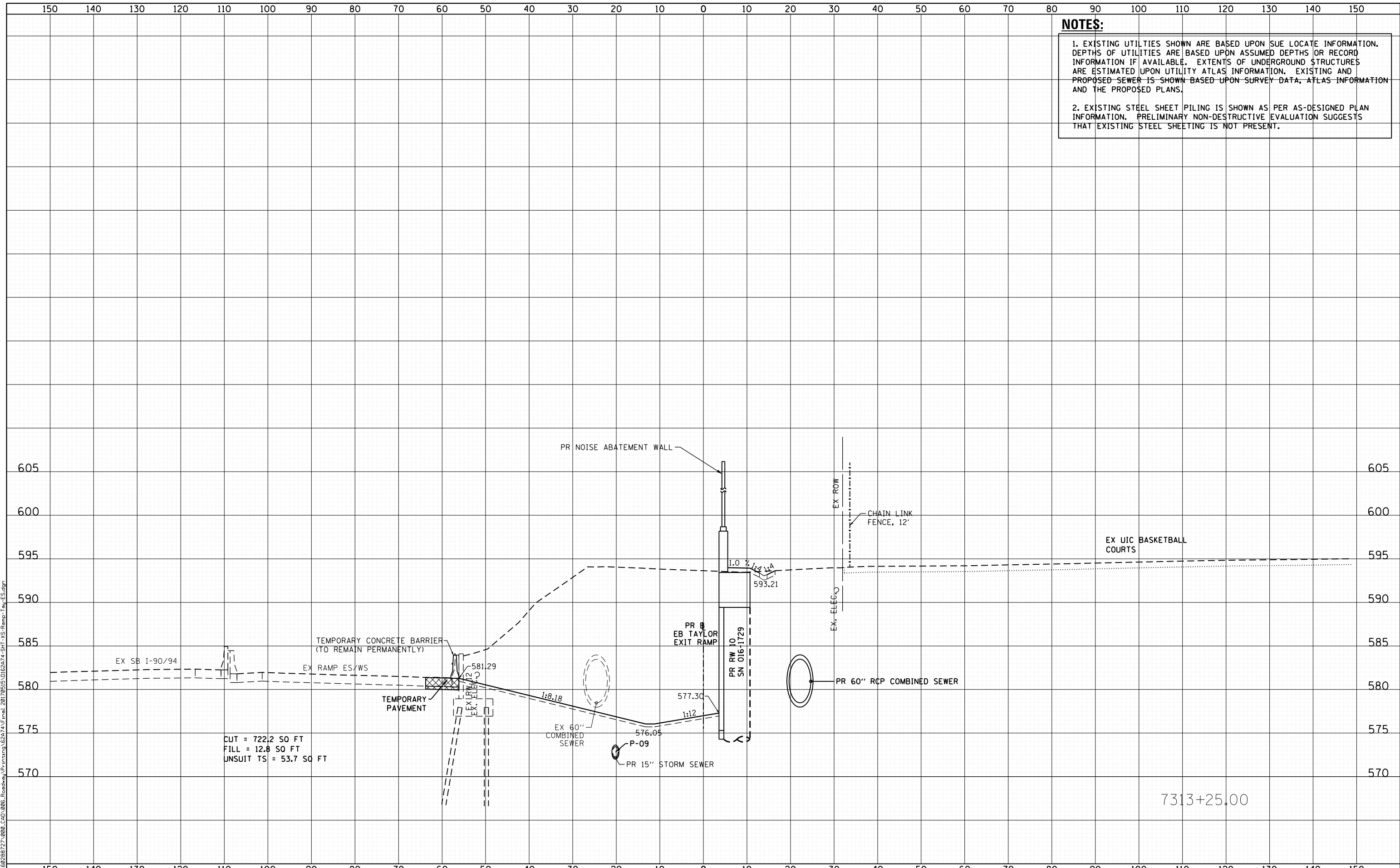
CONTRACT NO. 62A74		ILLINOIS FED. AID PROJECT
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NOTES:

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DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
NO.		FINAL SURVEY	NOTE BOOK	AREAS CHECKED	

DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
NO.		ORIGINAL SURVEY	NOTE BOOK	AREAS CHECKED	



CUT = 722.2 SO FT
 FILL = 12.8 SO FT
 UNSUIT TS = 53.7 SO FT

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 EB TAYLOR EXIT RAMP/
 RETAINING WALL 10 (SN 016-1729)**

SHEET 11 OF 25 SHEETS STA. 7313+25.00 TO STA. 7313+25.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	261
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				



D162A74-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
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PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

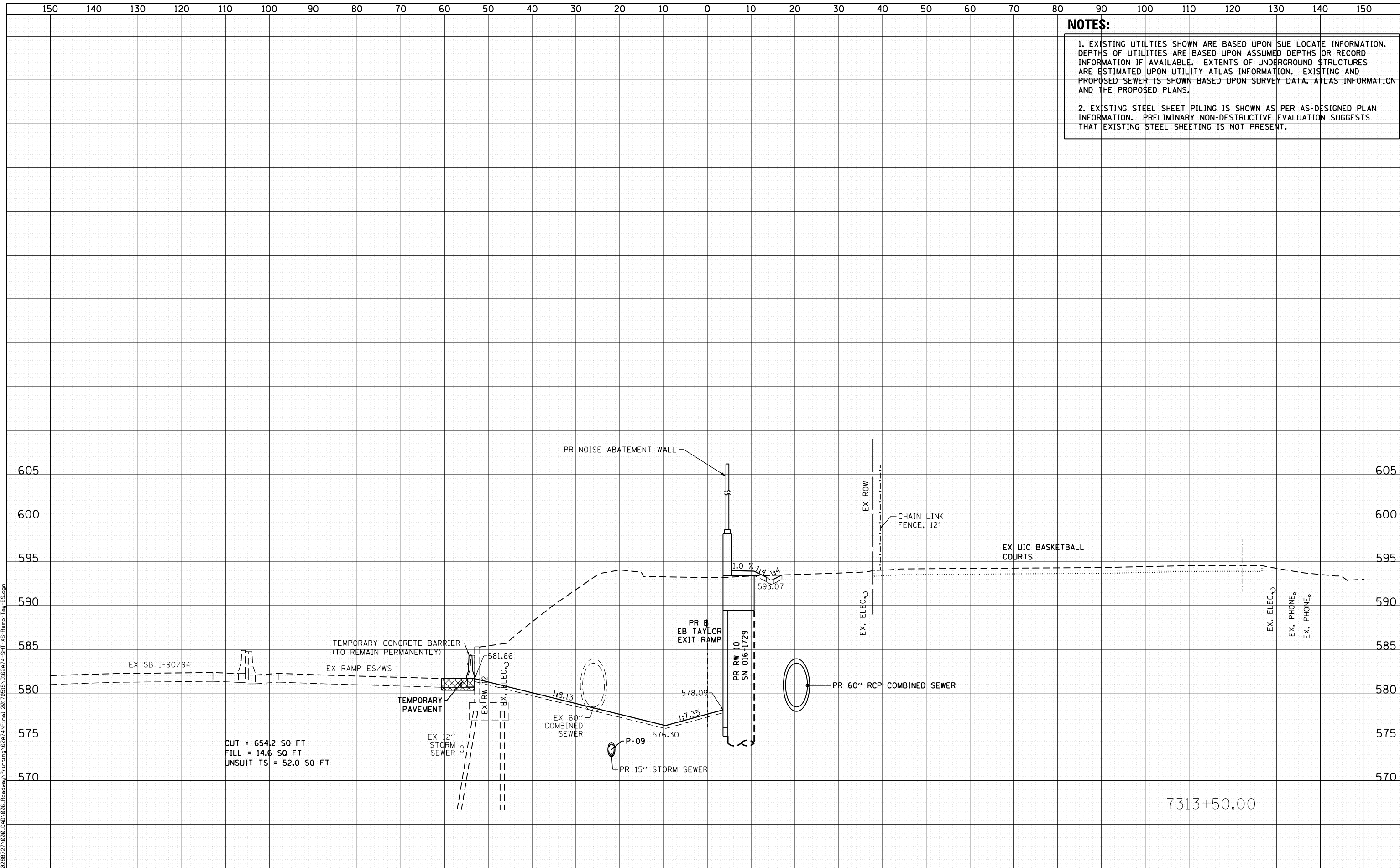
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NOTES:

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DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
NO.		FINAL SURVEY	NOTE BOOK	AREAS CHECKED	

DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
NO.		ORIGINAL SURVEY	NOTE BOOK	AREAS CHECKED	



CUT = 654.2 SO FT
 FILL = 14.6 SO FT
 UNSUIT TS = 52.0 SO FT

7313+50.00



D162474-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
USER NAME = PIMSARN0	DRAWN - AFC	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
EB TAYLOR EXIT RAMP/
RETAINING WALL 10 (SN 016-1729)

SHEET 12 OF 25 SHEETS STA. 7313+50.00 TO STA. 7313+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	262
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

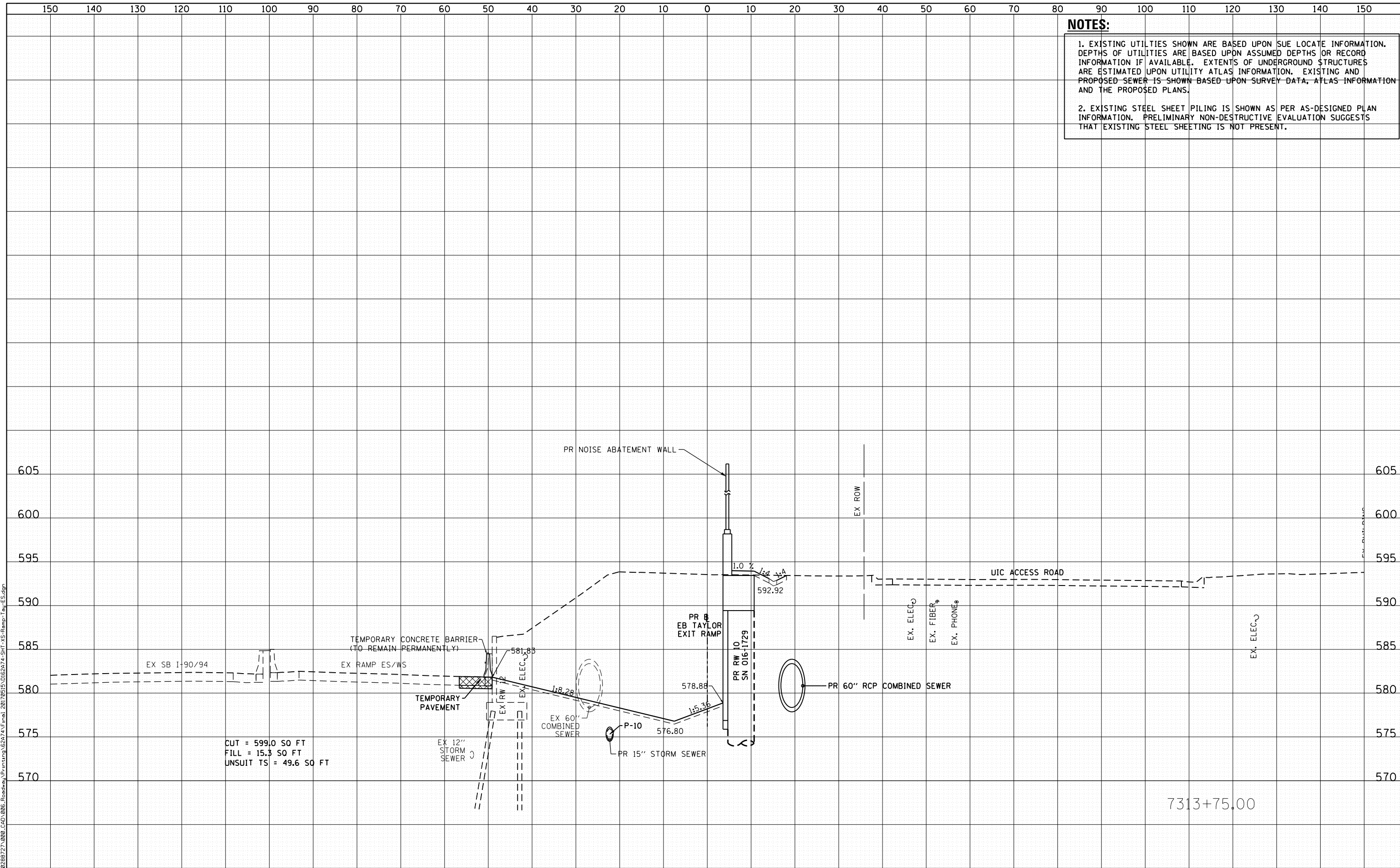
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NOTES:

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DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY NOTE BOOK NO.	

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SURVEYED	
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TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY NOTE BOOK NO.	



FILE PATH = P:\028872\000_CAD\006_Roadway\Printing\2015\2015-0162A74-SHT-XS-Ramp-Tay-ES.dgn



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USER NAME = PIMSARN0	DRAWN - AFC	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS EB TAYLOR EXIT RAMP/ RETAINING WALL 10 (SN 016-1729)			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
90/94/290	2015-022-1	COOK	275
SHEET 13 OF 25 SHEETS			STA. 7313+75.00 TO STA. 7313+75.00

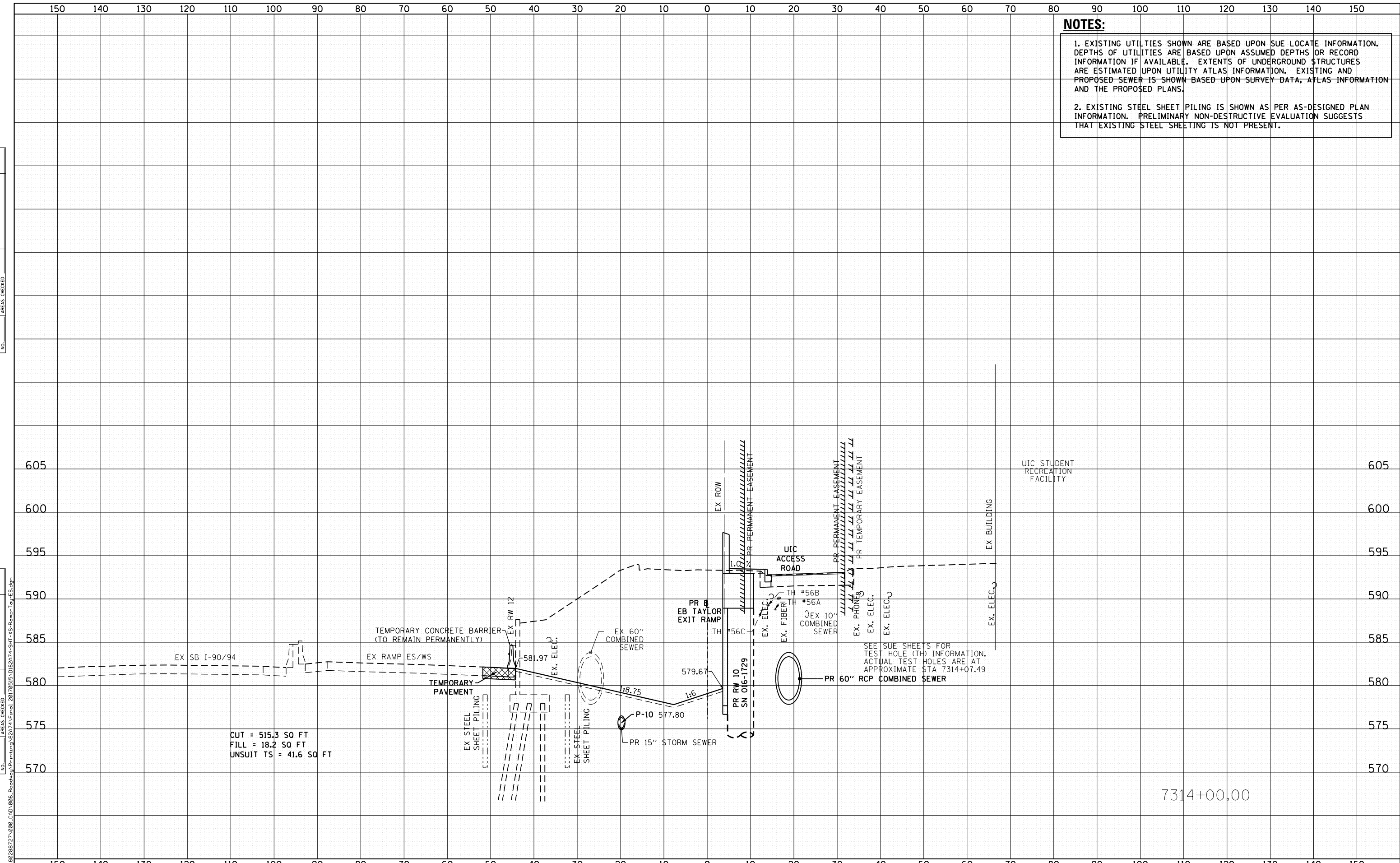
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2015-022-1	COOK	275	263
CONTRACT NO. 62A74			
ILLINOIS FED. AID PROJECT			

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DATE	
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FINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	



CUT = 515.3 SO FT
 FILL = 18.2 SO FT
 UNSUIT TS = 41.6 SO FT

SEE SUE SHEETS FOR TEST HOLE (TH) INFORMATION. ACTUAL TEST HOLES ARE AT APPROXIMATE STA 7314+07.49



D162A74-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
USER NAME = PIMSARN0	DRAWN - AFC	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS			
EB TAYLOR EXIT RAMP/ RETAINING WALL 10 (SN 016-1729)			
SHEET 14	OF 25 SHEETS	STA. 7314+00.00	TO STA. 7314+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	264
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

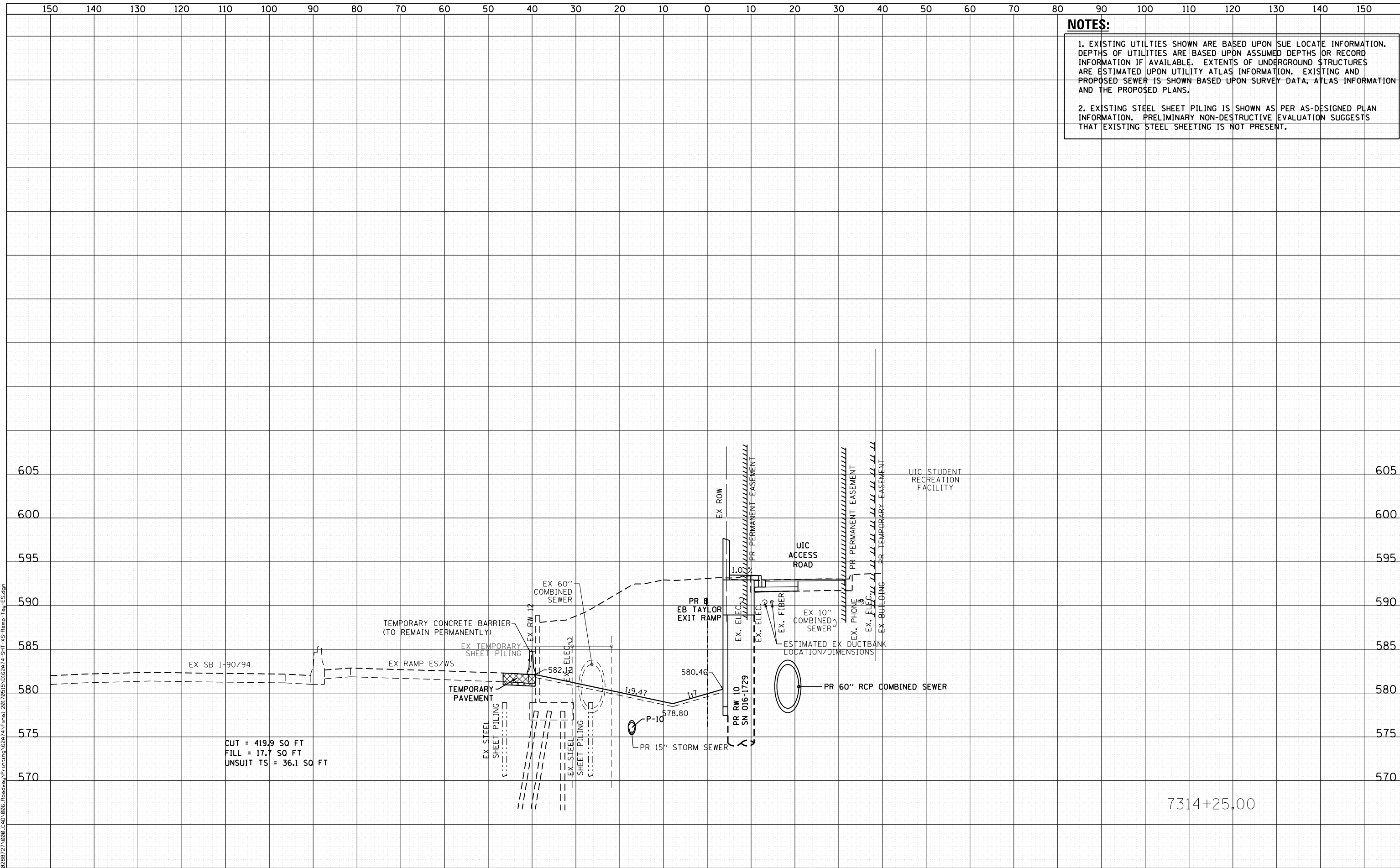
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DATE	
BY	
FINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	



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D162A74-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
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PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
EB TAYLOR EXIT RAMP/ RETAINING WALL 10 (SN 016-1729)			
SHEET 15	OF 25 SHEETS	STA. 7314+25.00	TO STA. 7314+25.00

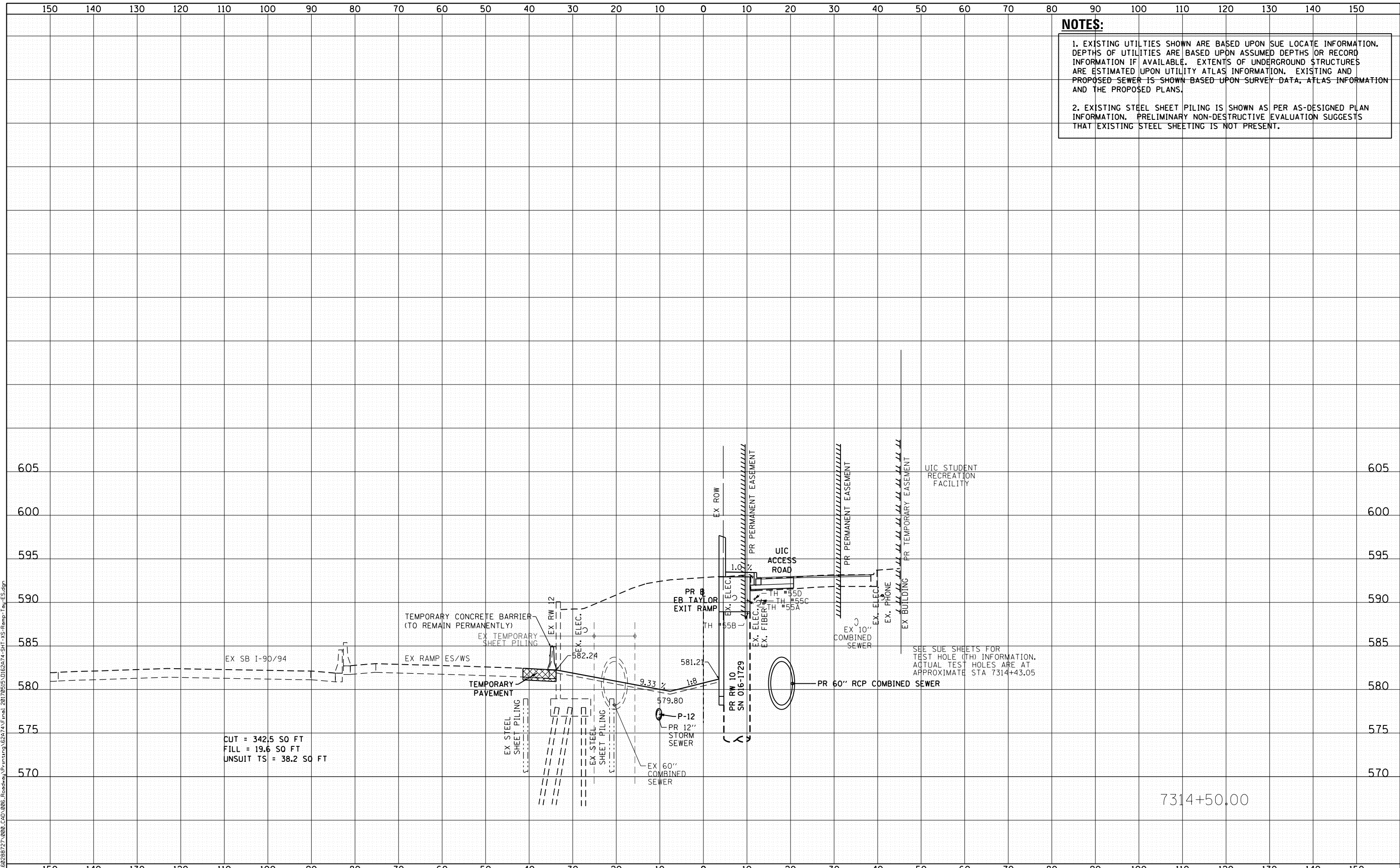
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	265
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

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DATE	BY	SURVEYED	PLOTTED	AREAS CHECKED
NO.		FINAL SURVEY	NOTE BOOK	AREAS CHECKED

DATE	BY	SURVEYED	PLOTTED	AREAS CHECKED
NO.		ORIGINAL SURVEY	NOTE BOOK	AREAS CHECKED



CUT = 342.5 SO FT
 FILL = 19.6 SO FT
 UNSUIT TS = 38.2 SO FT

SEE SUE SHEETS FOR TEST HOLE (TH) INFORMATION. ACTUAL TEST HOLES ARE AT APPROXIMATE STA 7314+43.05

7314+50.00



D162A74-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
USER NAME = PIMSARN	DRAWN - AFC	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS			
EB TAYLOR EXIT RAMP/			
RETAINING WALL 10 (SN 016-1729)			
SHEET 16	OF 25 SHEETS	STA. 7314+50.00	TO STA. 7314+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	266
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

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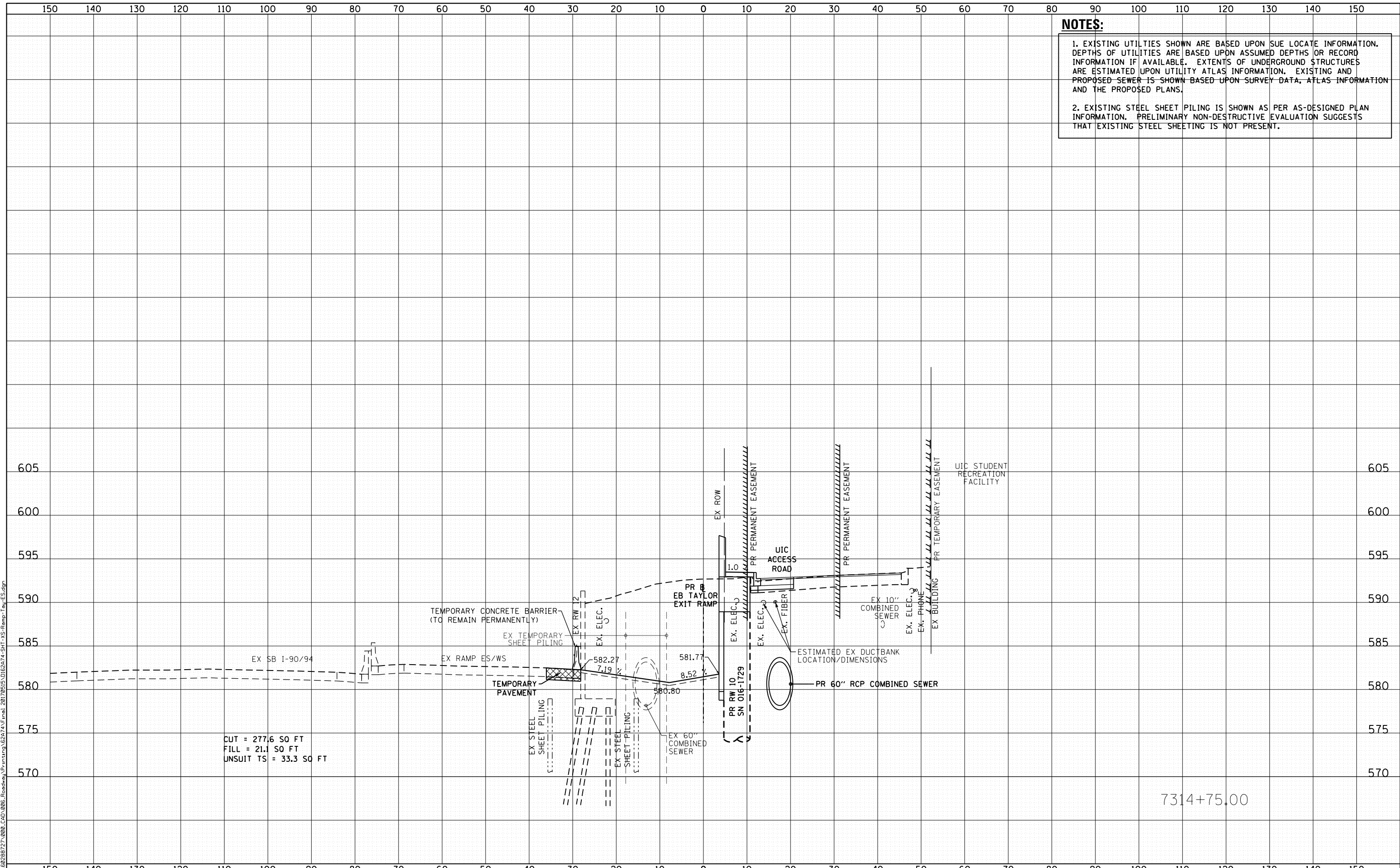
NOTES:

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DATE	
BY	
FINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

FILE PATH = P:\02288272\000_CAD\006_Roadway\Printing\2015\2015-02-21\0162A74-SHT-XS-Ramp-Tay-ES.dgn



CUT = 277.6 SO FT
 FILL = 21.1 SO FT
 UNSUIT TS = 33.3 SO FT

7314+75.00



D162A74-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
USER NAME = PIMSARN0	DRAWN - AFC	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS			
EB TAYLOR EXIT RAMP/ RETAINING WALL 10 (SN 016-1729)			
SHEET 17	OF 25 SHEETS	STA. 7314+75.00	TO STA. 7314+75.00

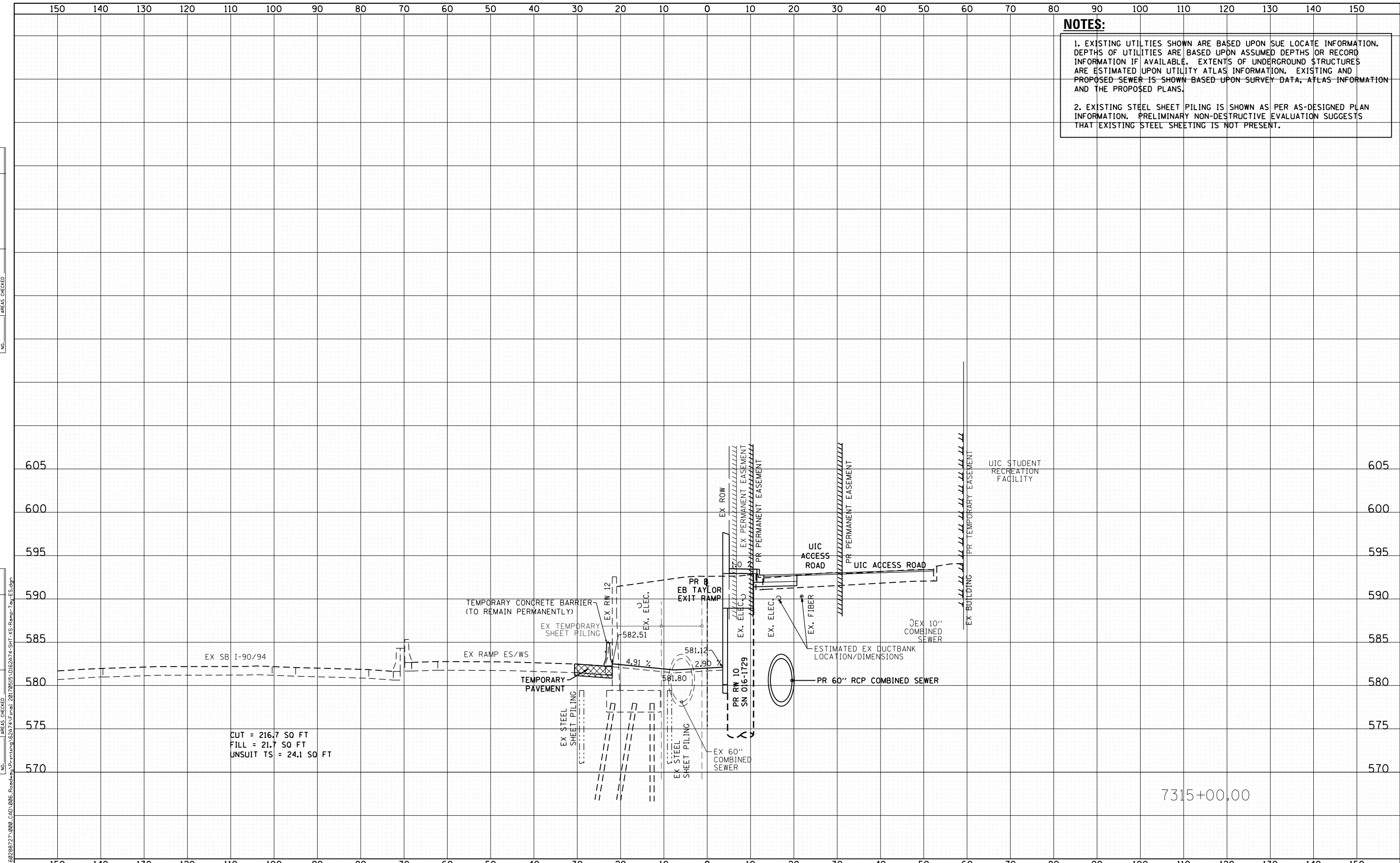
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	267
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

NOTES:

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DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
NO.		FINAL SURVEY	NOTE BOOK	AREAS CHECKED	

DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
NO.		ORIGINAL SURVEY	NOTE BOOK	AREAS CHECKED	



CUT = 216.7 SO FT
 FILL = 21.7 SO FT
 UNSUIT TS = 24.1 SO FT

7315+00.00



D162A74-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
USER NAME = PIMSARN0	DRAWN - AFC	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

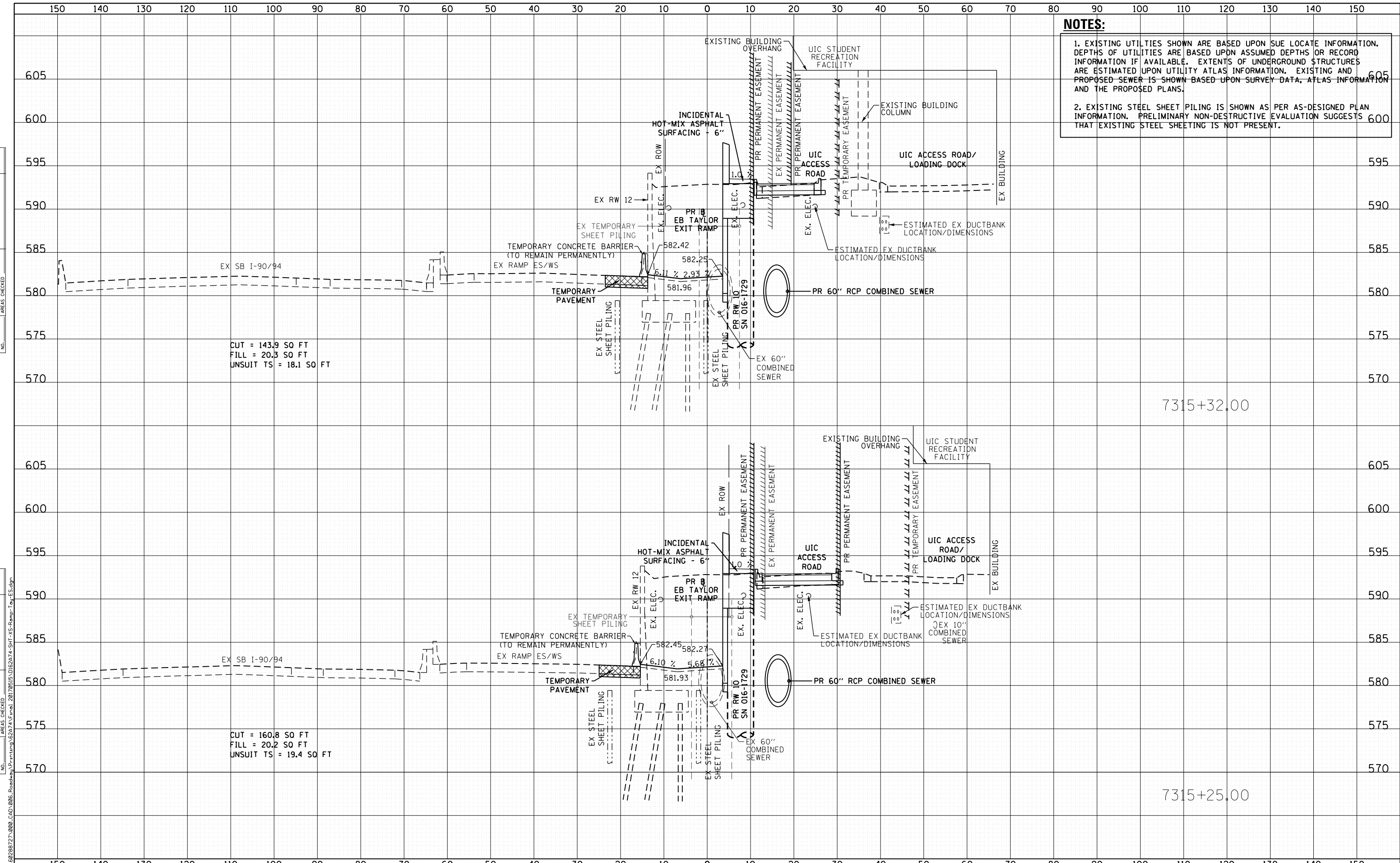
CROSS SECTIONS			
EB TAYLOR EXIT RAMP/ RETAINING WALL 10 (SN 016-1729)			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
90/94/290	2015-022-1	COOK	275
SHEET 18 OF 25 SHEETS			SHEET NO. 268
STA. 7315+00.00 TO STA. 7315+00.00			CONTRACT NO. 62A74

ILLINOIS FED. AID PROJECT	
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DATE	
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SURVEYED	
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TEMPLATE	
AREAS CHECKED	
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CUT = 143.9 SO FT
 FILL = 20.3 SO FT
 UNSUIT TS = 18.1 SO FT

CUT = 160.8 SO FT
 FILL = 20.2 SO FT
 UNSUIT TS = 19.4 SO FT



D162A74-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
USER NAME = PIMSARN0	DRAWN - AFC	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
EB TAYLOR EXIT RAMP/
RETAINING WALL 10 (SN 016-1729)

SHEET 19 OF 25 SHEETS STA. 7315+25.00 TO STA. 7315+25.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	269
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

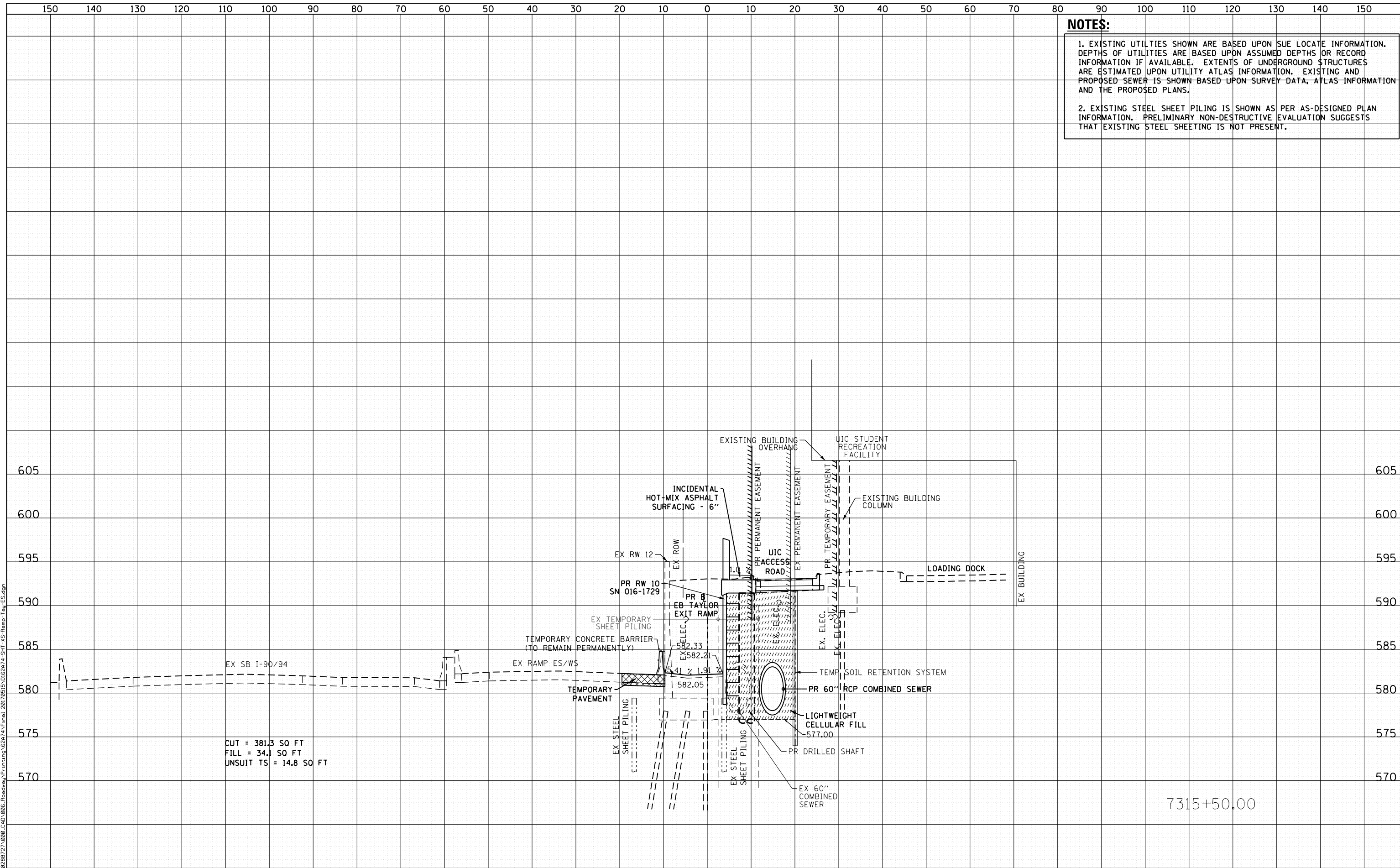
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DATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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SURVEYED	
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AREAS CHECKED	

DATE	
BY	
NO.	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	



CUT = 381.3 SO FT
 FILL = 34.1 SO FT
 UNSUIT TS = 14.8 SO FT

7315+50.00



D162A74-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
USER NAME = PIMSARN0	DRAWN - AFC	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
EB TAYLOR EXIT RAMP/
RETAINING WALL 10 (SN 016-1729)

SHEET 20 OF 25 SHEETS STA. 7315+50.00 TO STA. 7315+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	270
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

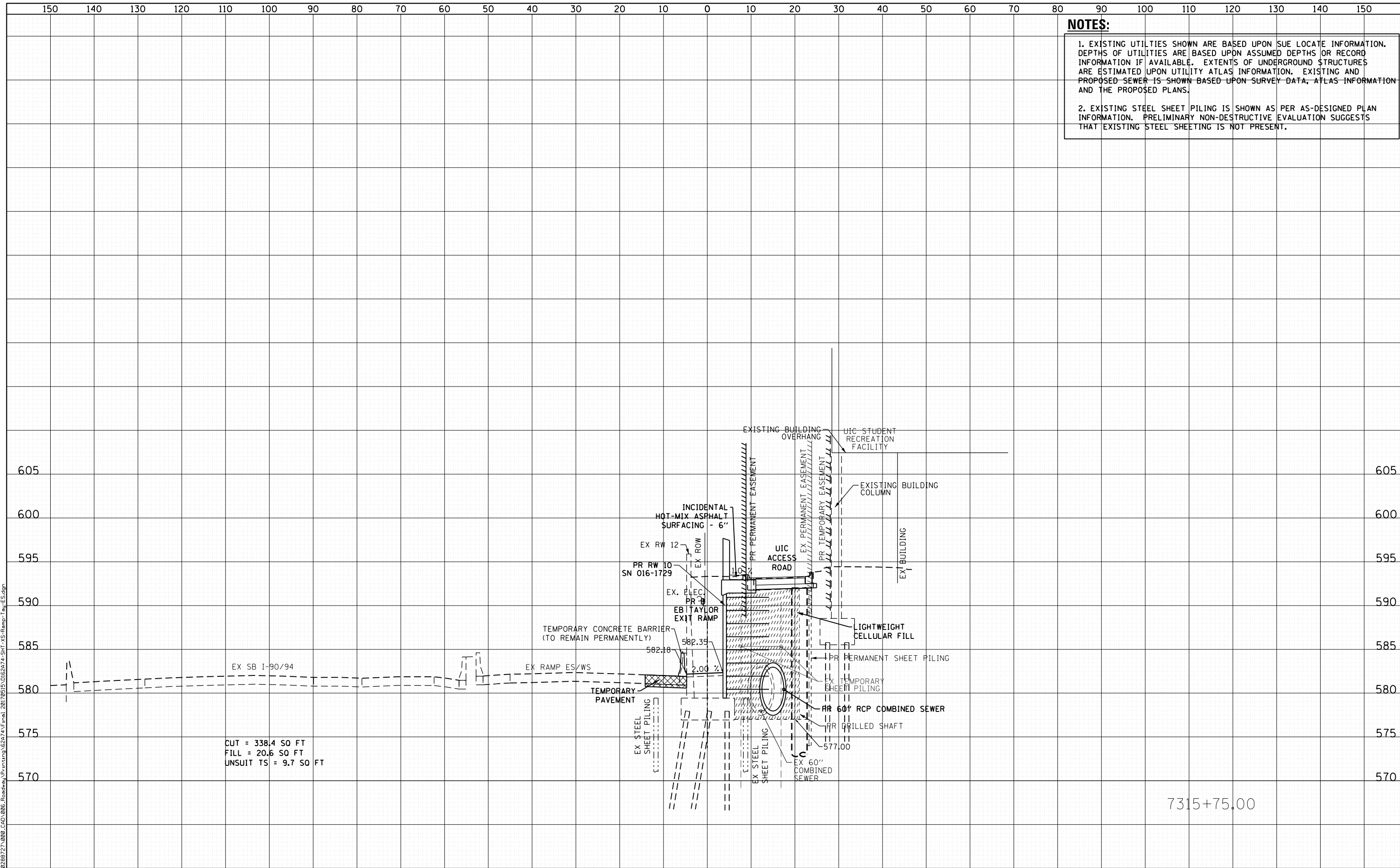
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DATE	
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AREAS CHECKED	
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DATE	
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SURVEYED	
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TEMPLATE	
AREAS CHECKED	
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CUT = 338.4 SQ FT
 FILL = 20.6 SQ FT
 UNSUIT TS = 9.7 SQ FT



D162A74-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
USER NAME = PIMSARN0	DRAWN - AFC	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
EB TAYLOR EXIT RAMP/
RETAINING WALL 10 (SN 016-1729)

SHEET 21 OF 25 SHEETS STA. 7315+75.00 TO STA. 7315+75.00

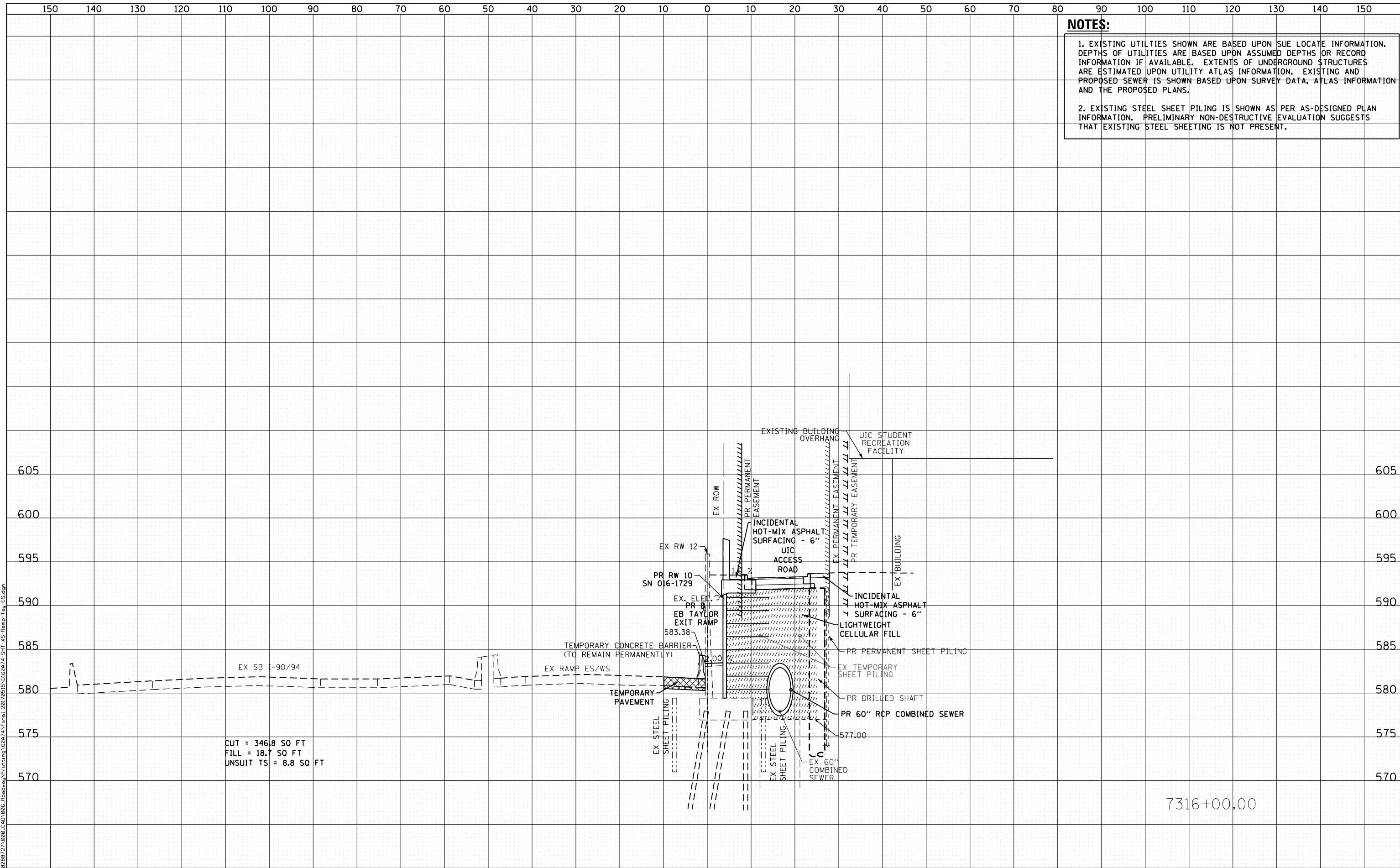
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	271
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

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DATE	
BY	
NO.	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	TEMPLATE
	AREAS CHECKED

DATE	
BY	
NO.	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	TEMPLATE
	AREAS CHECKED



CUT = 346.8 SO FT
 FILL = 18.7 SO FT
 UNSUIT TS = 8.8 SO FT

7316+00.00



D162A74-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
USER NAME = PIMSARN0	DRAWN - AFC	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

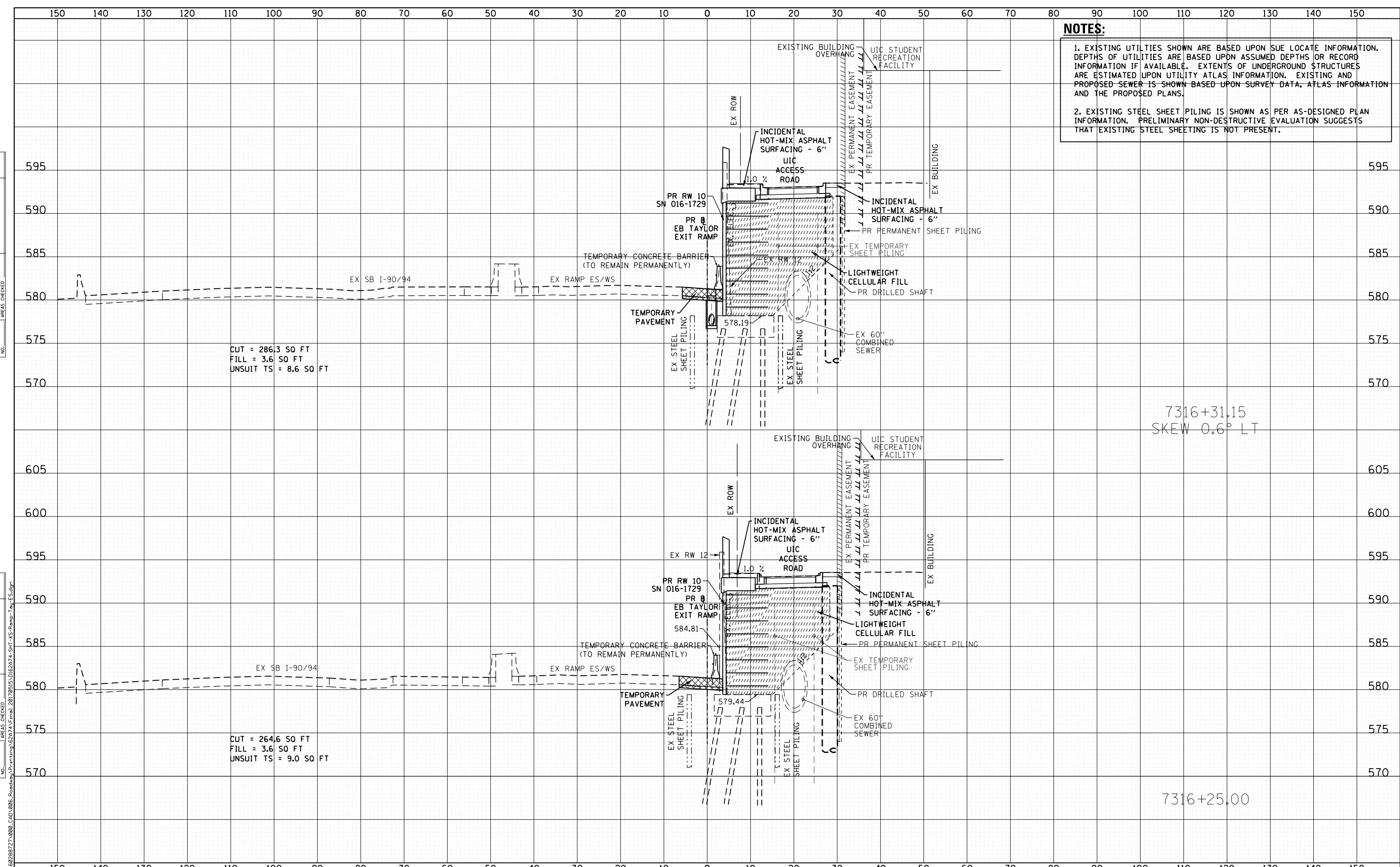
CROSS SECTIONS	
EB TAYLOR EXIT RAMP/ RETAINING WALL 10 (SN 016-1729)	
SHEET 22	OF 25 SHEETS
STA. 7316+00.00 TO STA. 7316+00.00	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	272
CONTRACT NO. 62A74				
ILLINOIS FED. AID PROJECT				

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DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
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NO.	



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D162A74-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
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PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

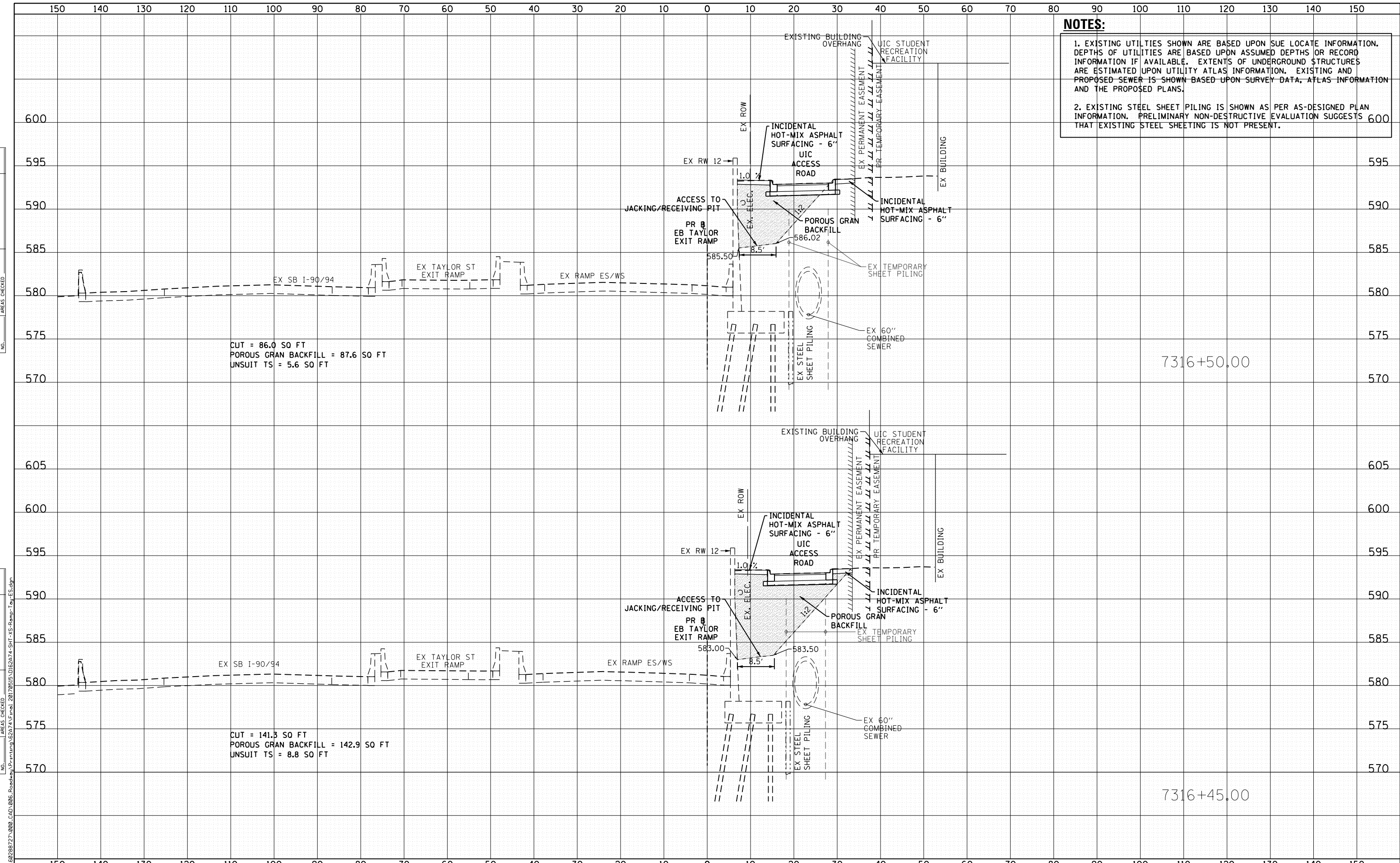
**CROSS SECTIONS
EB TAYLOR EXIT RAMP/
RETAINING WALL 10 (SN 016-1729)**

SHEET 23 OF 25 SHEETS STA. 7316+25.00 TO STA. 7316+31.17

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	273
				CONTRACT NO. 62A74
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
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SURVEYED	
PLOTTED	
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AREAS CHECKED	
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CUT = 86.0 SO FT
 POROUS GRAN BACKFILL = 87.6 SO FT
 UNSUIT TS = 5.6 SO FT

CUT = 141.5 SO FT
 POROUS GRAN BACKFILL = 142.9 SO FT
 UNSUIT TS = 8.8 SO FT



D162A74-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
USER NAME = PIMSARNQ	DRAWN - AFC	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
EB TAYLOR EXIT RAMP/
RETAINING WALL 10 (SN 016-1729)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-022-1	COOK	275	274
				CONTRACT NO. 62A74

SHEET 24 OF 25 SHEETS STA. 7316+45.00 TO STA. 7316+50.00

ILLINOIS FED. AID PROJECT

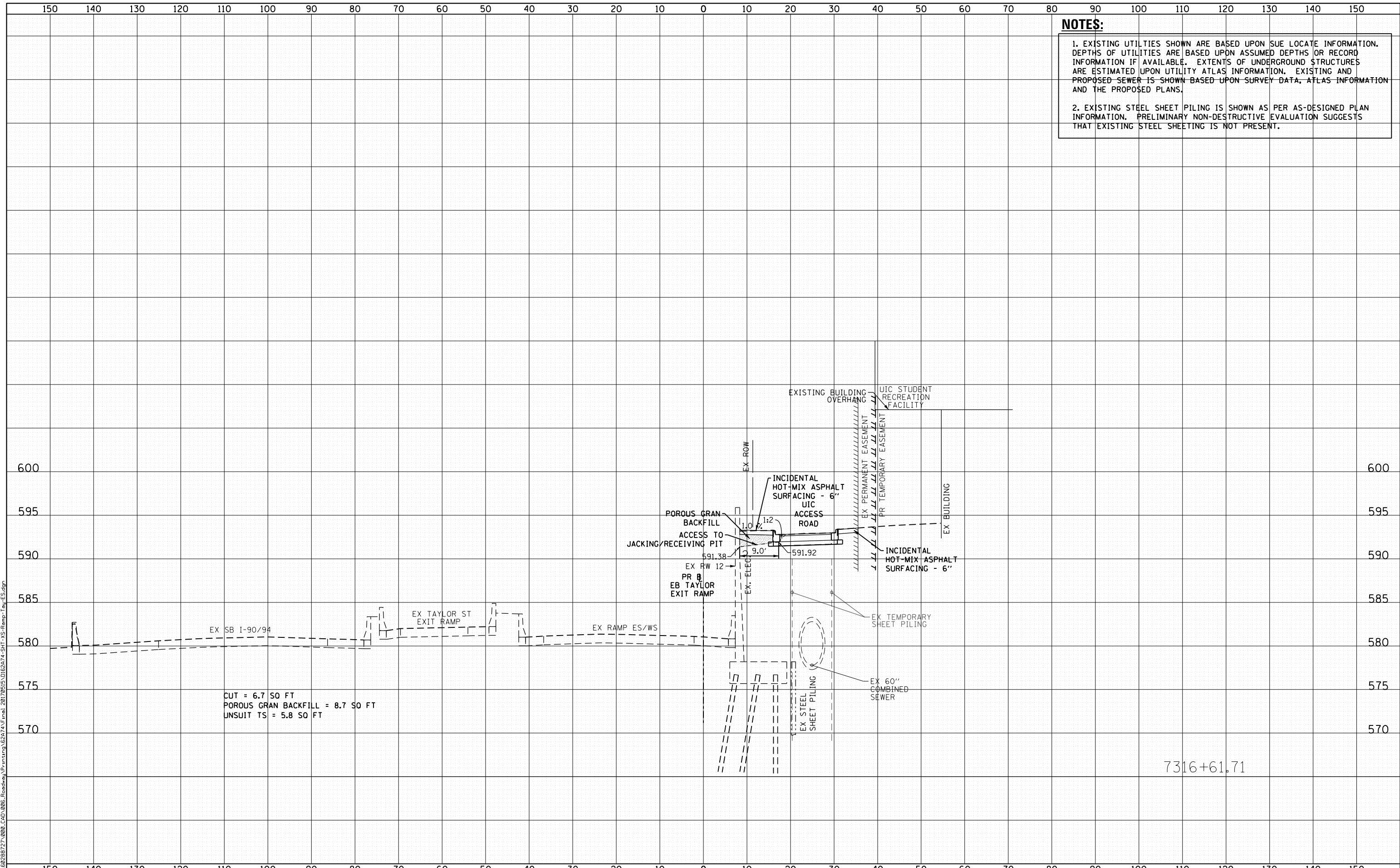
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NOTES:

- EXISTING UTILITIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.
- EXISTING STEEL SHEET PILING IS SHOWN AS PER AS-DESIGNED PLAN INFORMATION. PRELIMINARY NON-DESTRUCTIVE EVALUATION SUGGESTS THAT EXISTING STEEL SHEETING IS NOT PRESENT.

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



D162474-SHT-XS-Ramp-Tay-ES.dgn	DESIGNED - OPS	REVISED -
USER NAME = PIMSARN	DRAWN - AFC	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 5/15/2017	DATE - 05/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
EB TAYLOR EXIT RAMP/ RETAINING WALL 10 (SN 016-1729)			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
90/94/290	2015-022-1	COOK	275
SHEET 25 OF 25 SHEETS			SHEET NO. 275
STA. 7316+61.71 TO STA. 7316+61.71			CONTRACT NO. 62A74

ILLINOIS	FED. AID PROJECT
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