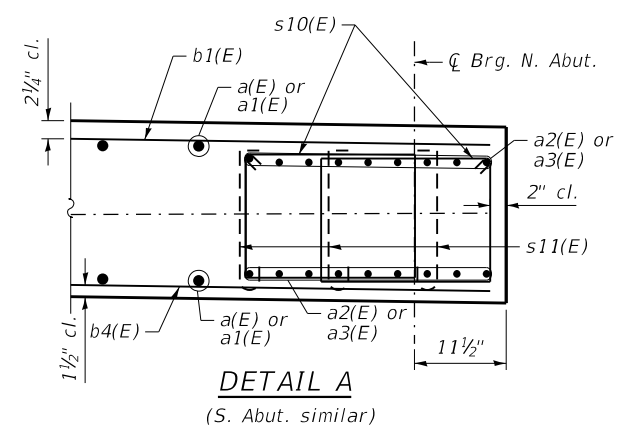
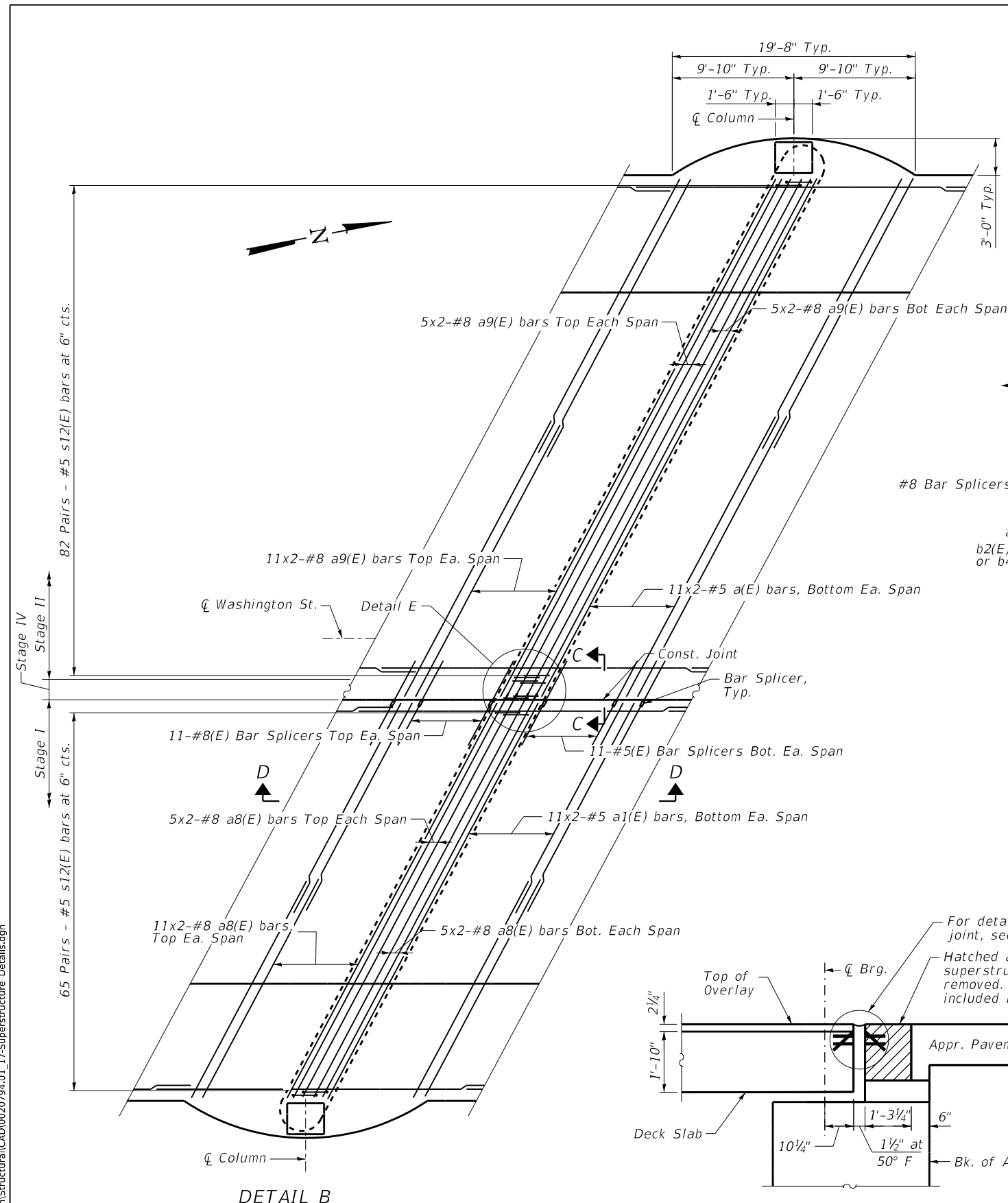
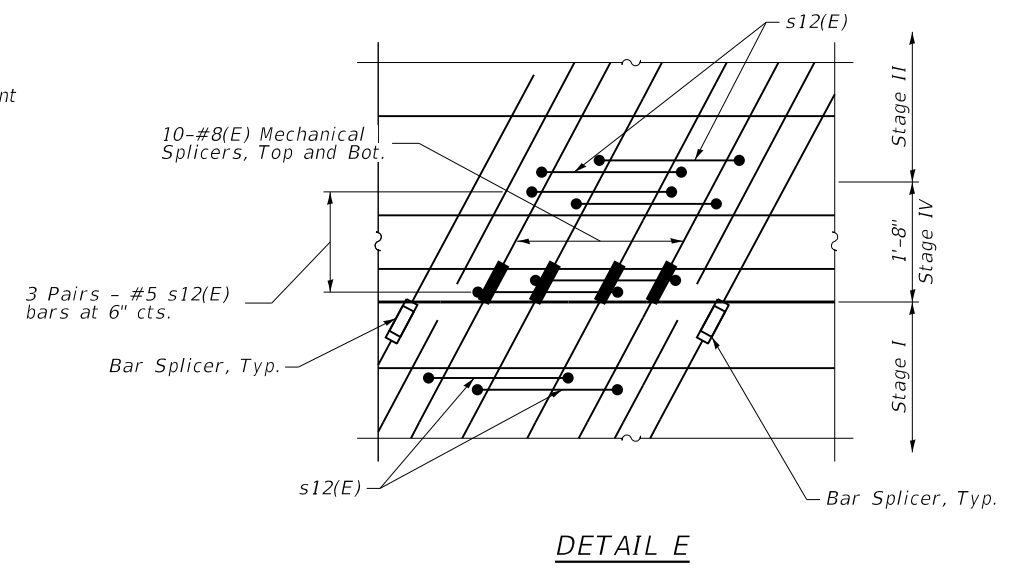
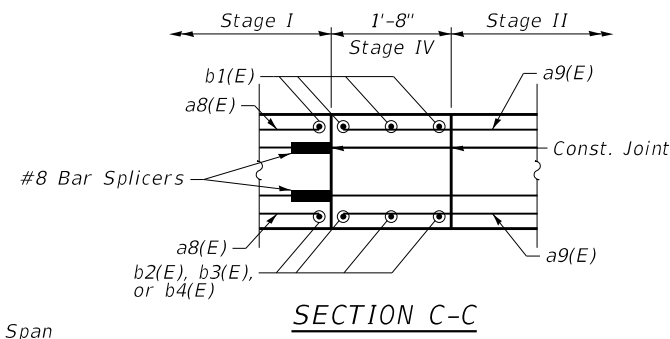


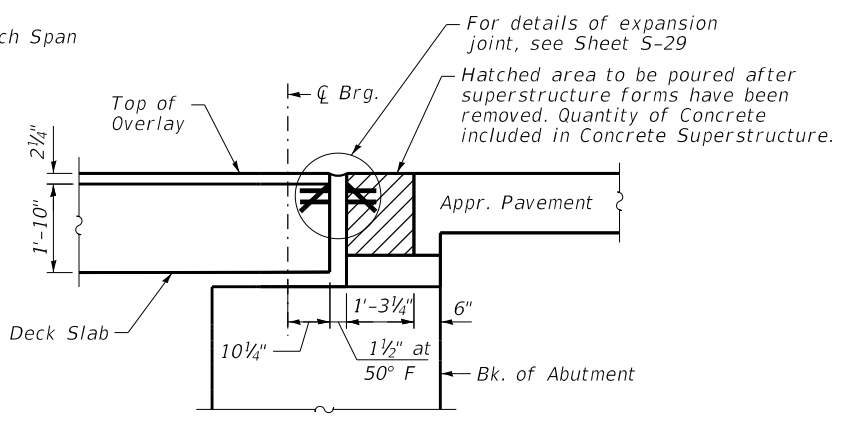
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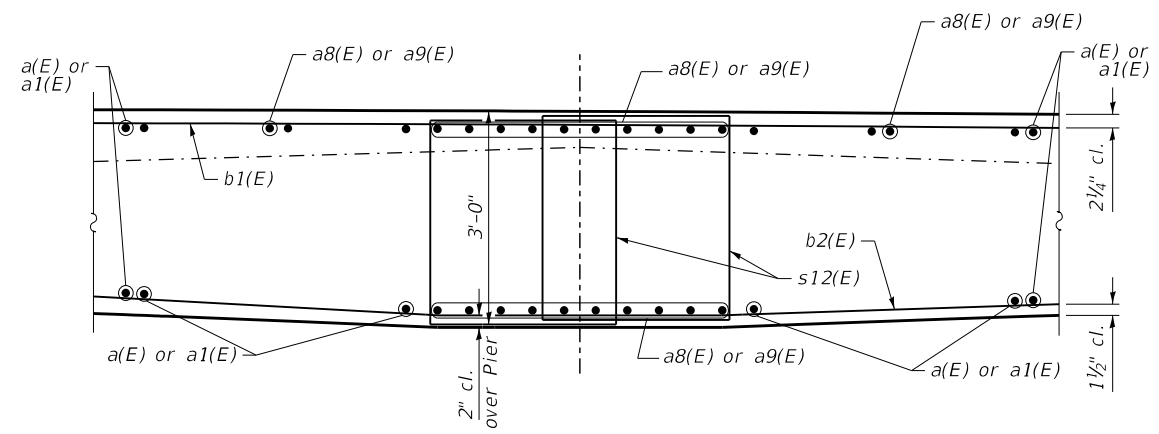
LAP LENGTHS
 #5 Bar = 2'-6"
 #6 Bar = 3'-0"
 #7 Bar = 3'-7"



DETAIL B



SECTION THRU ABUTMENT
 (Dimensions at Right Angle to Abutment)



SECTION D-D

NOTE:
 1. Bars b2(E) thru b4(E) to be bent in field.



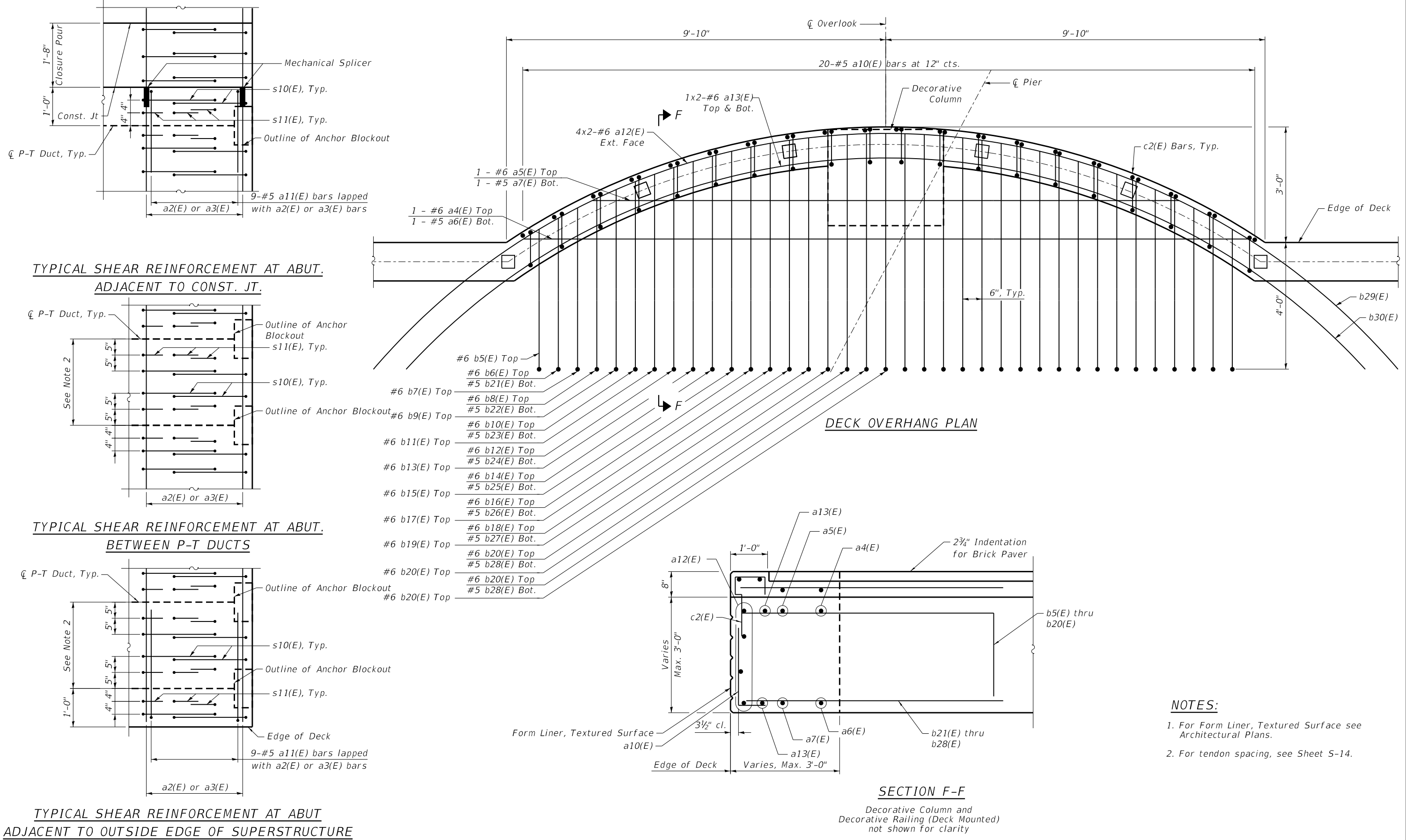
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PLOT SCALE = 0.1667' / in.	CHECKED - BWS	REVISD -
PLOT DATE = 8/8/2022	DRAWN - SBA	REVISD -
	CHECKED - BWS	REVISD -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
 STRUCTURE NO. 022-6749

SHEET S-17 OF S-48 SHEETS

F.A.U. RTE. 2552	SECTION 16-00167-00-BR	COUNTY DUPAGE	TOTAL SHEETS 261	SHEET NO. 201
CONTRACT NO. 61G82			ILLINOIS FED. AID PROJECT	



- NOTES:**
1. For Form Liner, Textured Surface see Architectural Plans.
 2. For tendon spacing, see Sheet S-14.

FILE NAME: N:\PROJ\020794-01\Design\Structural\CAD\020794-01_18-Deck Details.dgn



USER NAME =	Structural	DESIGNED -	MLK	REVISED -	
		CHECKED -	BWS	REVISED -	
PLOT SCALE =	0.1667' / in.	DRAWN -	SBA	REVISED -	
PLOT DATE =	8/8/2022	CHECKED -	BWS	REVISED -	

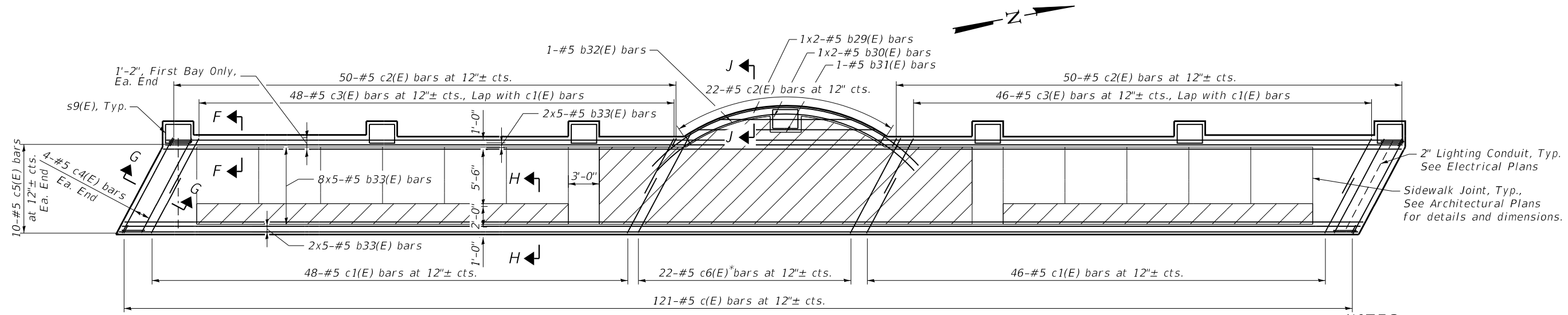
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK DETAILS I
STRUCTURE NO. 022-6749

SHEET S-18 OF S-48 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	202
CONTRACT NO.			61G82	
ILLINOIS FED. AID PROJECT				

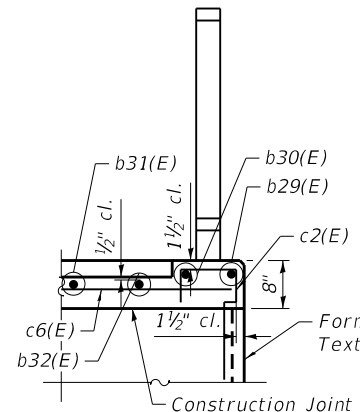
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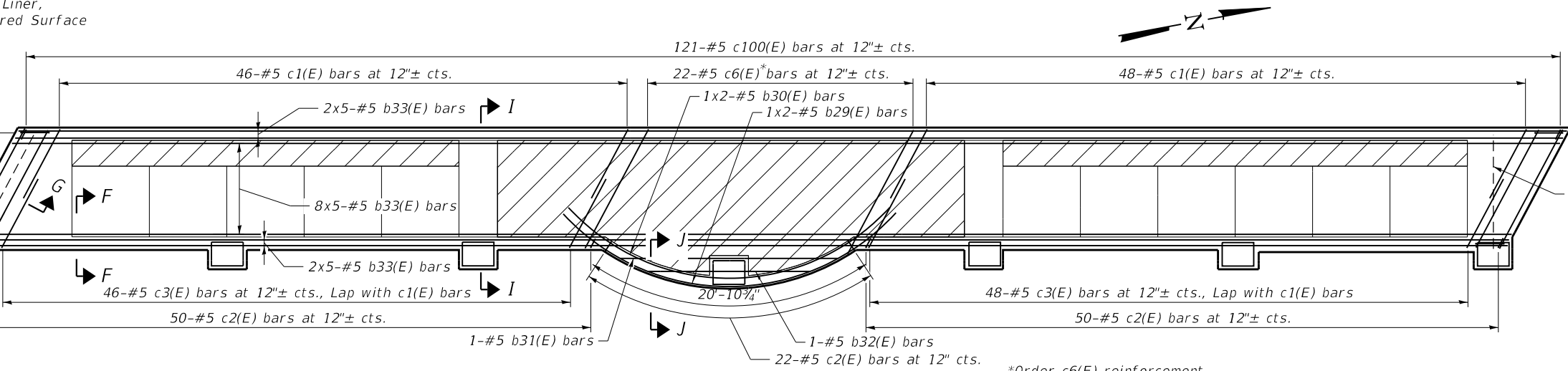
WEST SIDEWALK REINFORCEMENT PLAN

*Order c7(E) reinforcement full length. Cut to fit.

- NOTES:**
1. PVC Weep Holes shall be provided in the sidewalk at the plan specified locations. Cost included with Concrete Superstructure.
 2. Bar Bend details on Sheet S-21.
 3. Drilled reinforcement for traffic barrier shall only be allowed on East sidewalk.
 4. Contractor shall verify cored holes miss post-tensioning ducts prior to drilling.
 5. For Barrier Details, see Sheet S-27 and S-28.

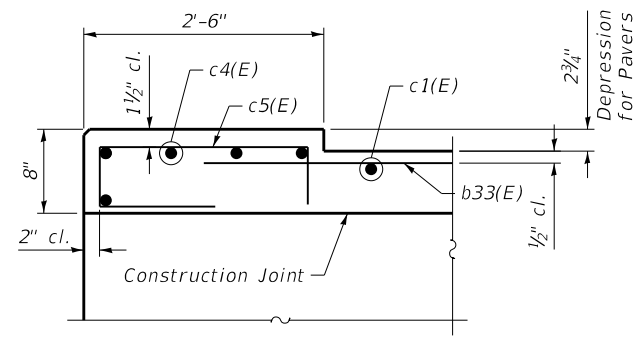


SECTION J-J

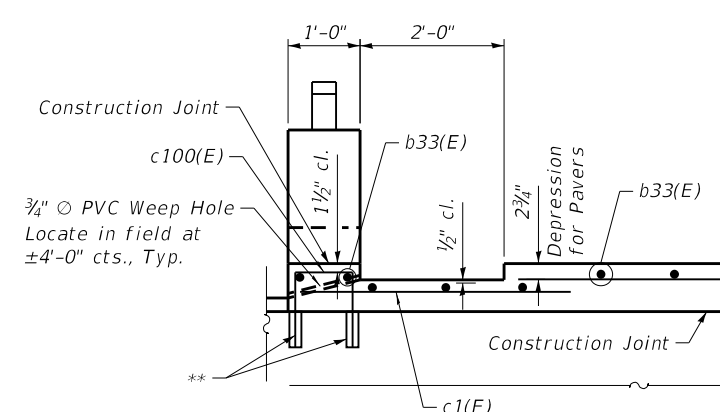


EAST SIDEWALK REINFORCEMENT PLAN

*Order c6(E) reinforcement full length. Cut to fit.

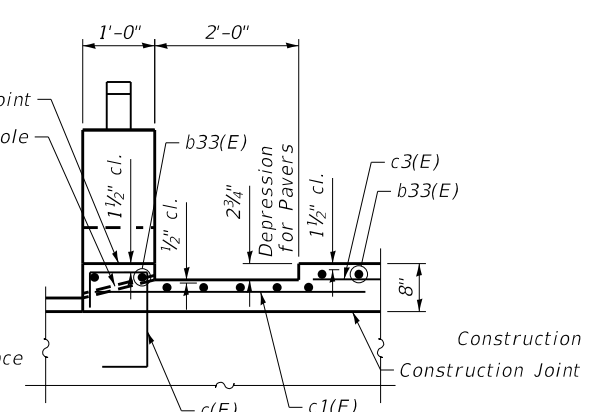


SECTION G-G

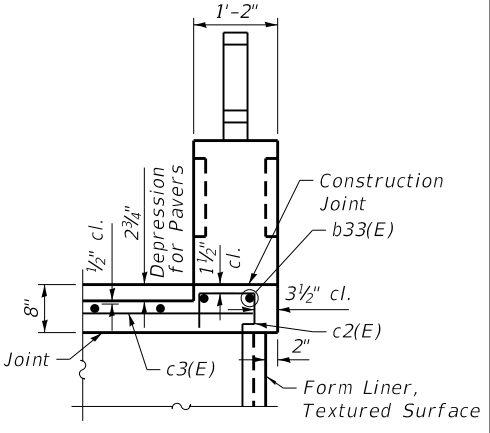


SECTION I-I

**Core and set #5 c100(E) bars according to Article 509.06 of the Standard Specifications. Cored holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of hole shall not exceed 6".



SECTION H-H



SECTION F-F

LEGEND

Depressed Sidewalk Area for Brick Pavers

CiorbaGroup
8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

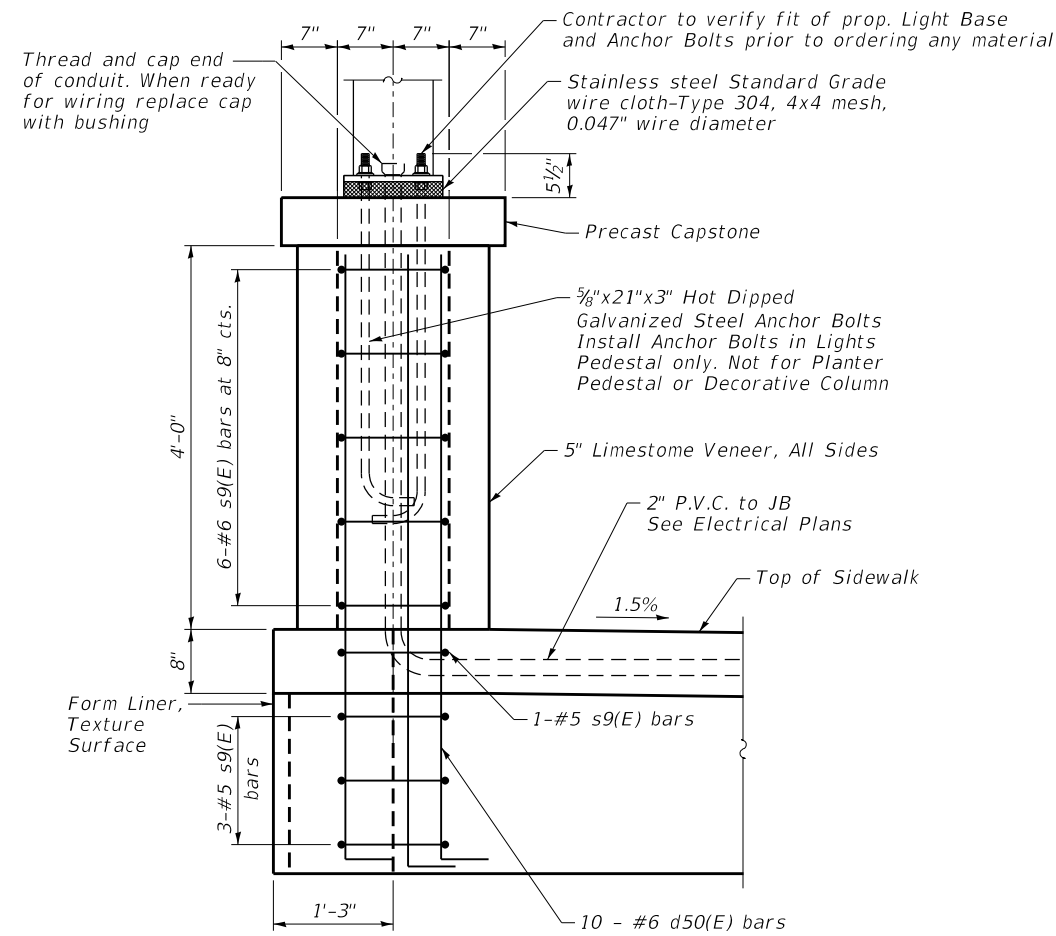
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PLOT SCALE = 0.1667' / in.	CHECKED - BWS	REVISD -
PLOT DATE = 8/8/2022	DRAWN - SBA	REVISD -
	CHECKED - BWS	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK DETAILS II
STRUCTURE NO. 022-6749**

SHEET S-19 OF S-48 SHEETS

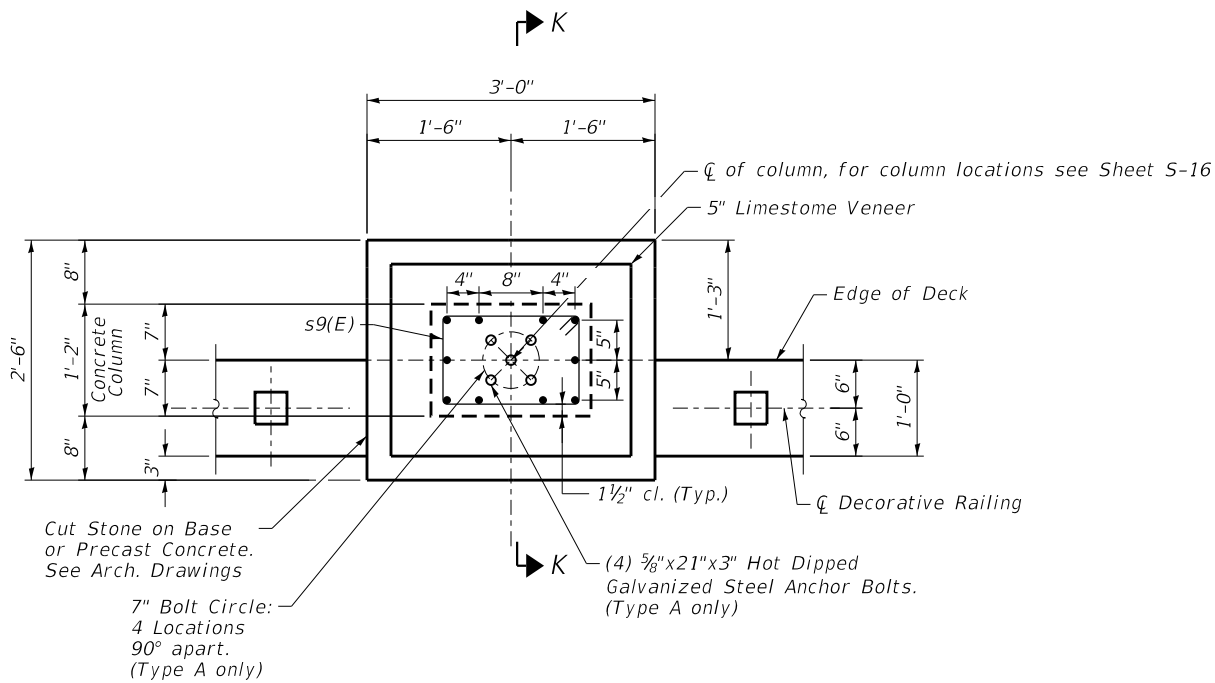
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	203
CONTRACT NO.			61G82	
ILLINOIS FED. AID PROJECT				



**SECTION K-K
(MONUMENT TYPE A)**

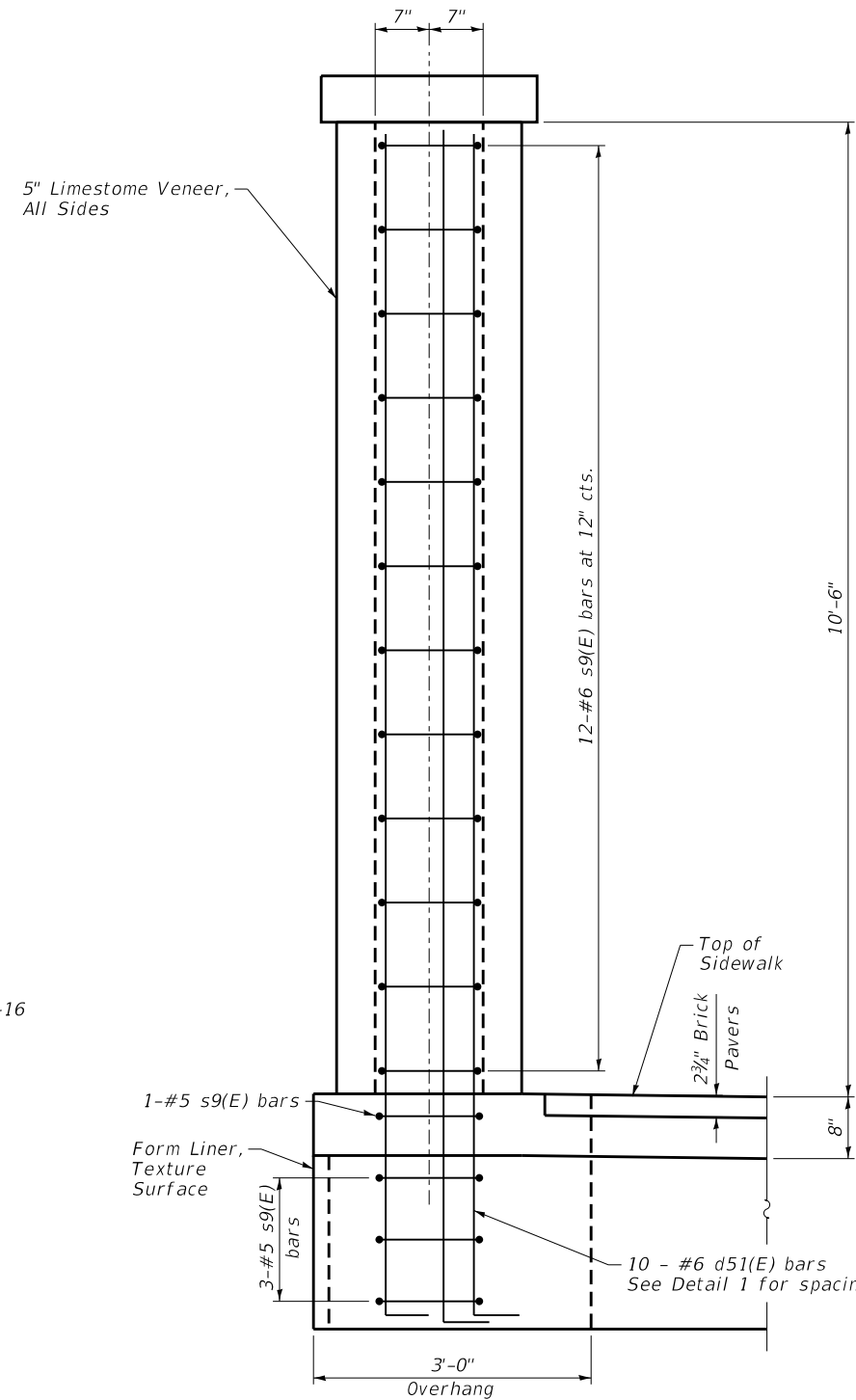
Cut Stone Details on Base and Capstone not shown for clarity. See Arch. Drawings (12 thus).

Cost of anchor bolts included with Concrete Superstructure



TYPICAL CONCRETE COLUMN (MONUMENT TYPE A & B)

(Install Anchor Bolts in Light Pedestal only. Not for Planter Pedestal or Gateway Monument)



**SECTION K-K
(MONUMENT TYPE B)**

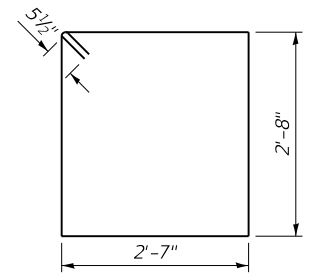
Cut Stone and embed plaques not shown for clarity. See Arch. Drawings (2 thus)

NOTE:

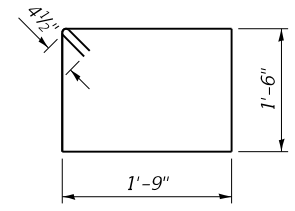
1. For bar bend details and Bill of Materials, see Sheet S-21.

FILE NAME: N:\PROJ\020794.01\Design\Structural\CAD\020794.01_20-Deck_Details III.dgn

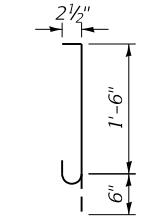
**SUPERSTRUCTURE
BILL OF MATERIAL**



BAR s12(E)

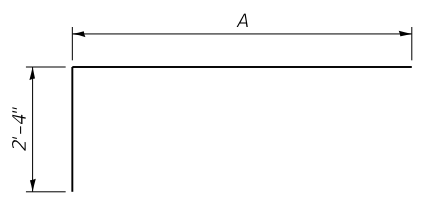


BAR s10(E)

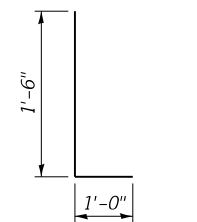


BAR s11(E)

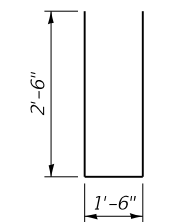
BAR	A
b5(E)	5'-5"
b6(E)	5'-8"
b7(E)	5'-11"
b8(E)	6'-2"
b9(E)	6'-5"
b10(E)	6'-7"
b11(E)	6'-10"
b12(E)	7'-0"
b13(E)	7'-2"
b14(E)	7'-3"
b15(E)	7'-5"
b16(E)	7'-6"
b17(E)	7'-7"
b18(E)	7'-8"
b19(E)	7'-9"
b20(E)	7'-10"



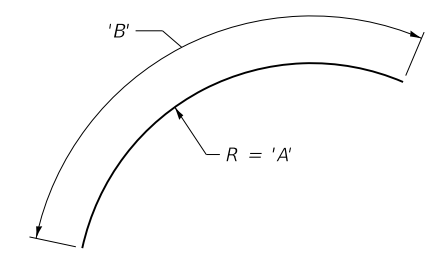
BARS b5(E) thru b20(E)



BAR a10(E)

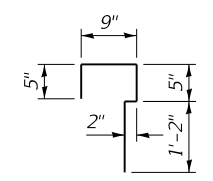


BAR a11(E)

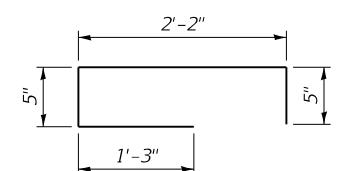


BAR a12(E), a13(E), b29(E), and b30(E)

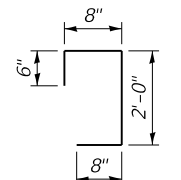
BAR	A	B
a12(E)	17'-6"	17'-8"
a13(E)	16'-10"	16'-6"
b29(E)	17'-6"	16'-4"
b30(E)	16'-10"	15'-3"



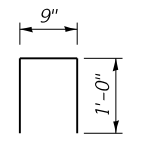
BAR c2(E)



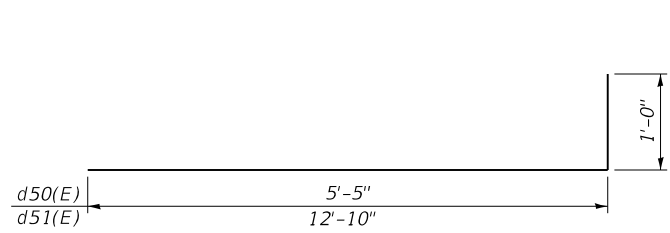
BAR c5(E)



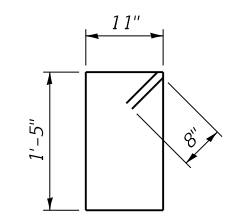
BAR c(E)



BAR c100(E)



BAR d50(E) & d51(E)



BAR s9(E)

Bar	No.	Size	Length	Shape
a(E)	568	#5	25'-4"	————
a1(E)	568	#5	19'-8"	————
a2(E)	72	#6	25'-7"	————
a3(E)	72	#6	20'-1"	————
a4(E)	2	#6	18'-9"	————
a5(E)	2	#6	15'-2"	————
a6(E)	2	#5	18'-9"	————
a7(E)	2	#5	15'-2"	————
a8(E)	84	#8	20'-7"	————
a9(E)	84	#8	26'-9"	————
a10(E)	248	#5	2'-6"	————
a11(E)	72	#5	6'-6"	————
a12(E)	16	#6	16'-8"	————
a13(E)	8	#6	15'-6"	————
b1(E)	390	#5	26'-4"	————
b2(E)	96	#5	20'-0"	————
b3(E)	192	#5	28'-9"	————
b4(E)	192	#5	28'-9"	————
b5(E)	4	#6	7'-9"	————
b6(E)	4	#6	8'-0"	————
b7(E)	4	#6	8'-3"	————
b8(E)	4	#6	8'-6"	————
b9(E)	4	#6	8'-9"	————
b10(E)	4	#6	8'-11"	————
b11(E)	4	#6	9'-2"	————
b12(E)	4	#6	9'-4"	————
b13(E)	4	#6	9'-6"	————
b14(E)	4	#6	9'-7"	————
b15(E)	4	#6	9'-9"	————
b16(E)	4	#6	9'-10"	————
b17(E)	4	#6	9'-11"	————
b18(E)	4	#6	10'-0"	————
b19(E)	4	#6	10'-1"	————
b20(E)	14	#6	10'-2"	————
b21(E)	4	#5	5'-8"	————
b22(E)	4	#5	6'-2"	————
b23(E)	4	#5	6'-7"	————
b24(E)	4	#5	7'-0"	————
b25(E)	4	#5	7'-3"	————
b26(E)	4	#5	7'-6"	————
b27(E)	4	#5	7'-8"	————
b28(E)	8	#5	7'-10"	————
b29(E)	4	#4	16'-4"	————
b30(E)	4	#4	15'-3"	————
b31(E)	2	#4	18'-10"	————
b32(E)	2	#4	15'-3"	————
b33(E)	120	#4	26'-0"	————

c(E)	121	#5	3'-10"	————
c1(E)	188	#4	5'-7"	————
c2(E)	244	#5	2'-11"	————
c3(E)	188	#4	6'-2"	————
c4(E)	16	#4	10'-5"	————
c5(E)	40	#4	4'-3"	————
c6(E)	44	#4	13'-8"	————
c100(E)	121	#5	2'-9"	————
d(E)	248	#7	5'-1"	————
d50(E)	120	#6	6'-5"	————
d51(E)	20	#6	13'-10"	————
s9(E)	140	#6	6'-0"	————
s10(E)	284	#4	7'-3"	————
s11(E)	408	#4	2'-3"	————
s12(E)	300	#5	11'-5"	————
Protective Coat **	Sq. Yd.		1172	
Concrete Superstructure *	Cu Yd		62.9	
Reinforcement Bars, Epoxy Coated	Pound		86,510	
Bridge Deck Grooving	Sq. Yd.		723	
Bridge Deck Latex Concrete Overlay, 2 1/4 Inches	Sq. Yd.		822	
Bridge Deck Scarification, 2 1/4 Inches	Sq. Yd.		61	
Planter	Each		4	
Form Liner Textured Surface, Special	Sq. Ft.		603	
Modular Concrete Pavers (Special)	Sq. Ft.		898	
Monument Type A	Each		12	
Monument Type B	Each		2	
Furnishing, Installing, and Stressing Post-Tensioning Strands	Pound		40,910	
High Performance Concrete Superstructure ***	Cu Yd		754.5	

*Includes concrete for sidewalks and decorative columns.
 **Includes protective coat for roadway, traffic barrier, sidewalk, and low elevation parapet.
 ***Bridge deck, bridge deck column bump outs, and bridge deck overhang only.

NOTES:
 1. For d(E) bar bend detail see Sheet S-24.

FILE NAME: N:\PROJ\020794-01\Design\Structural\CAD\020794_01_21-Deck_Details_IV.dgn



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		CHECKED -	BWS	REVISED -	
PLOT SCALE =	0.1667' / in.	DRAWN -	SBA	REVISED -	
PLOT DATE =	8/8/2022	CHECKED -	BWS	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK DETAILS IV
STRUCTURE NO. 022-6749**

SHEET S-21 OF S-48 SHEETS

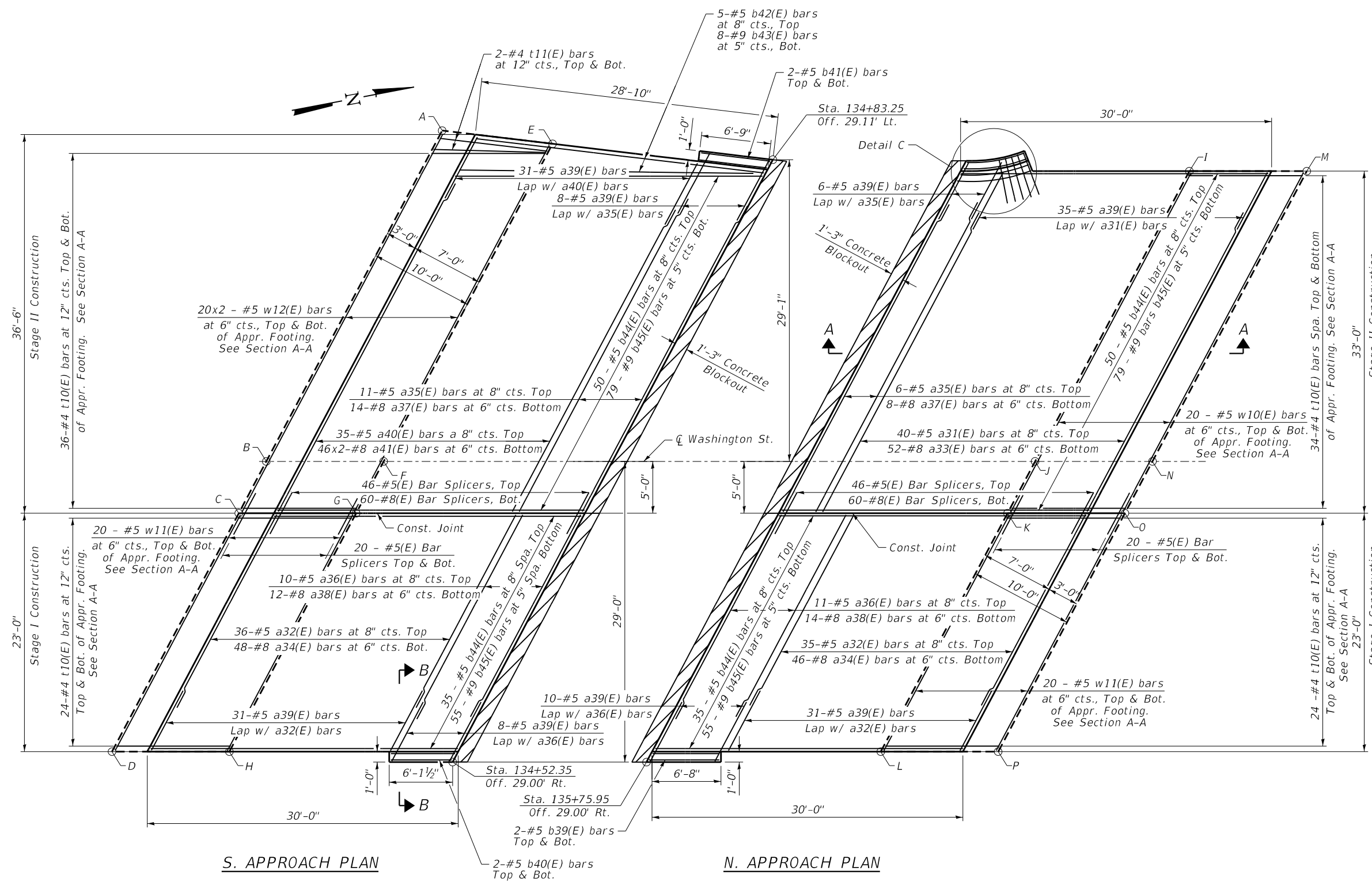
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	205
ILLINOIS			CONTRACT NO. 61G82	
FED. AID PROJECT				

TOP AND BOTTOM ELEVATIONS
FOR APPROACH FOOTING

South Approach			North Approach		
Point	Top	Bottom	Point	Top	Bottom
A	671.55	670.72	I	671.41	670.58
B	671.68	670.85	J	672.06	671.23
C	671.55	670.71	K	672.02	671.18
D	670.87	670.04	L	671.80	670.97
E	671.83	670.99	M	671.32	670.49
F	671.96	671.13	N	671.92	671.09
G	671.82	670.98	O	671.88	671.04
H	671.12	670.29	P	671.62	670.79

MINIMUM BAR LAP

#5 bar = 3'-4"
#8 bar = 4'-9"



- NOTES:**
1. See Sheet S-25 & S-26 for Traffic Barrier Details.
 2. Work this sheet with Roadway Plans showing Curb location.
 3. For Section A-A see Sheet S-24.
 4. For Approach Slab Cross-Section, Section B-B, and Detail C see Sheet S-23.
 5. Concrete Blockout to be poured each stage after bridge deck and approach slab have been poured and tendons have been stressed.

FILE NAME: N:\PROJ\020794.01\Design\Structural\CAD\020794.01_22-Bridge Approach Slab Plan.dgn



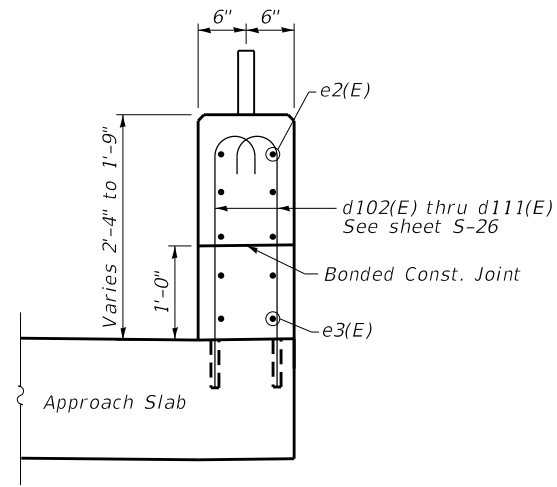
USER NAME =	Structural	DESIGNED -	MLK	REVISED -	
CHECKED -	BWS	CHECKED -	BWS	REVISED -	
PLOT SCALE =	0.1667' / in.	DRAWN -	SBA	REVISED -	
PLOT DATE =	8/8/2022	CHECKED -	BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

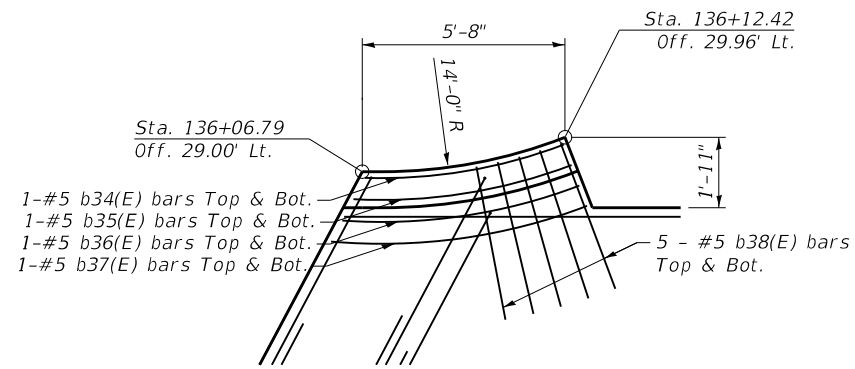
BRIDGE APPROACH SLAB PLAN
STRUCTURE NO. 022-6749

SHEET S-22 OF S-48 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	206
ILLINOIS			CONTRACT NO. 61G82	
FED. AID PROJECT				



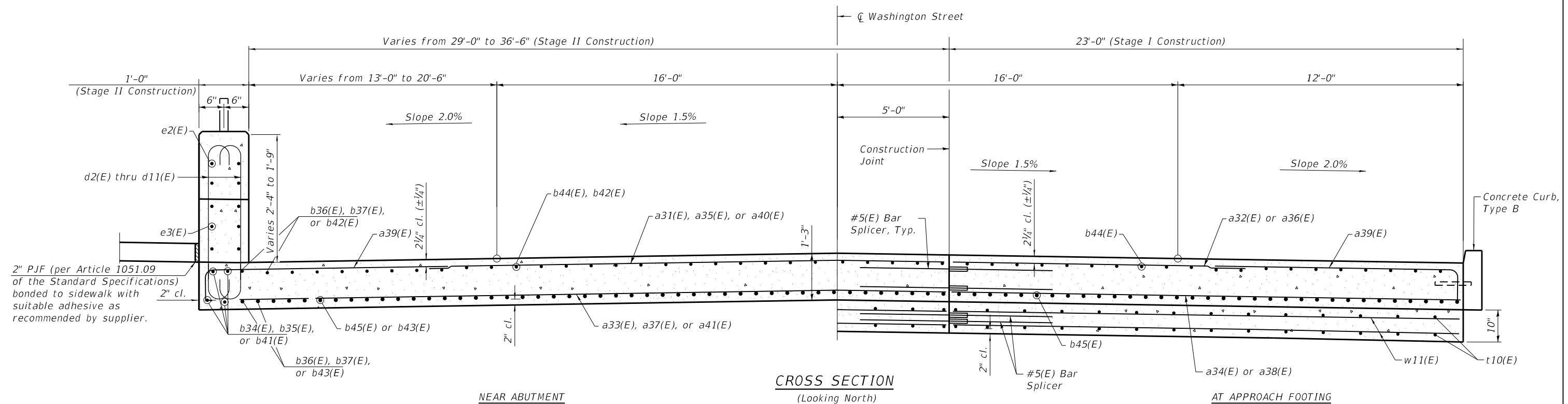
SECTION B-B



DETAIL C

NOTES:

1. For Parapet Elevations see Sheet S-27 and S-28.
2. For Concrete Curb, Type B see Roadway Plans.
3. For Approach slab Bill of Materials see Sheet S-24.
4. For traffic barrier reinforcement details, see Sheets S-25 & S-26.



CROSS SECTION

(Looking North)

FILE NAME: N:\PROJ\020794-01\Design\Structural\CAD\020794-01_23-Approach Slab Details Idgn



USER NAME =	Structural	DESIGNED -	MLK	REVISED -	
		CHECKED -	BWS	REVISED -	
PLOT SCALE =	0.1667' / in.	DRAWN -	SBA	REVISED -	
PLOT DATE =	8/8/2022	CHECKED -	BWS	REVISED -	

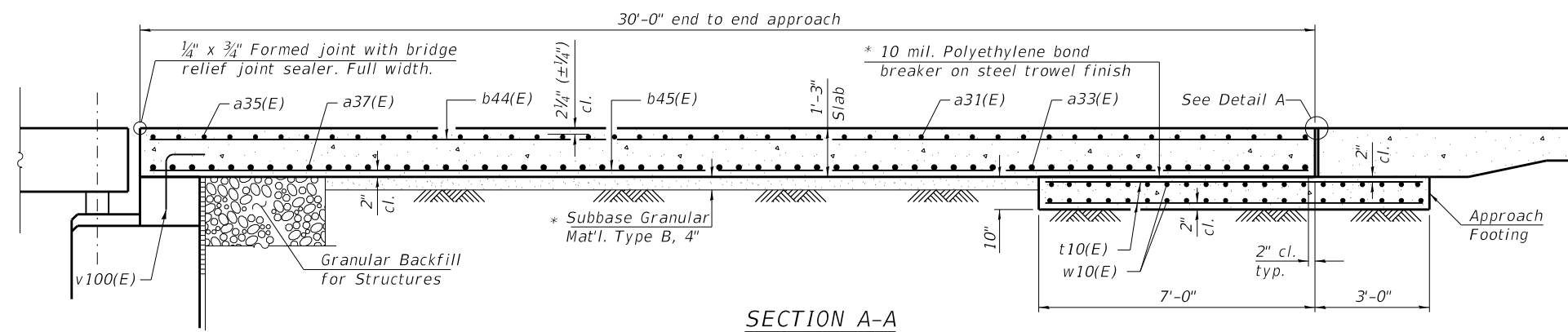
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROACH SLAB DETAILS I
STRUCTURE NO. 022-6749

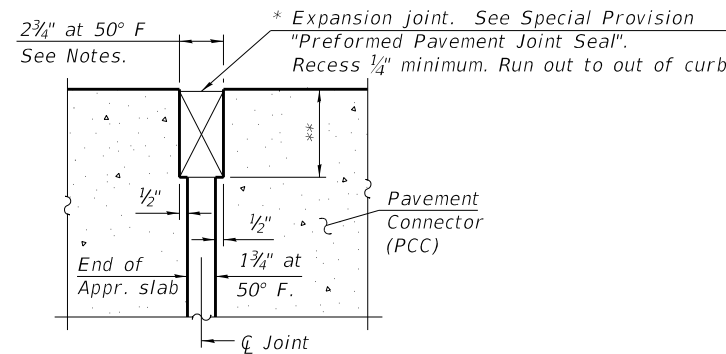
SHEET S-23 OF S-48 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			61G82	
ILLINOIS FED. AID PROJECT				

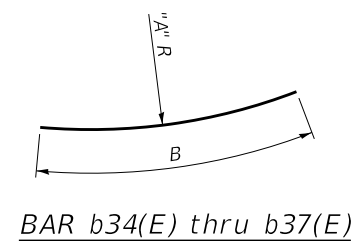
TWO APPROACHES
BILL OF MATERIAL



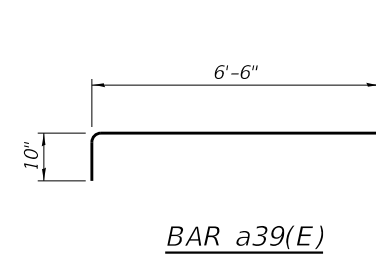
SECTION A-A



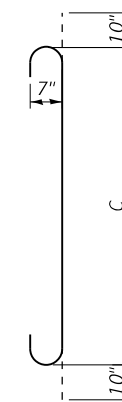
DETAIL A
(at Rt. L's)



BAR	A	B
b34(E)	14'-2"	5'-7"
b35(E)	14'-10"	6'-2"
b36(E)	15'-6"	6'-8"
b37(E)	16'-2"	7'-4"



BAR a39(E)



BARS d(E), d2(E) THRU d11(E)

BAR	C
d(E)	3'-5"
d2(E)	3'-4"
d3(E)	3'-3"
d4(E)	3'-2"
d5(E)	3'-1"
d6(E)	3'-0"
d7(E)	3'-0"
d8(E)	2'-11"
d9(E)	2'-11"
d10(E)	2'-10"
d11(E)	2'-10"

Bar	No.	Size	Length	Shape
a31(E)	40	#5	33'-11"	————
a32(E)	71	#5	22'-7"	————
a33(E)	52	#8	36'-10"	————
a34(E)	94	#8	25'-6"	————
a35(E)	17	#5	36'-0"	————
a36(E)	21	#5	25'-4"	————
a37(E)	22	#8	39'-0"	————
a38(E)	26	#8	26'-8"	————
a39(E)	160	#5	7'-4"	┌————┐
a40(E)	35	#5	38'-4"	————
a41(E)	92	#8	22'-2"	————

b34(E)	2	#5	5'-7"	————
b35(E)	2	#5	6'-2"	————
b36(E)	2	#5	6'-8"	————
b37(E)	2	#5	7'-4"	————
b38(E)	10	#5	6'-4"	————
b39(E)	4	#5	6'-4"	————
b40(E)	4	#5	5'-9"	————
b41(E)	4	#5	6'-5"	————
b42(E)	5	#5	28'-0"	————
b43(E)	8	#9	28'-0"	————
b44(E)	170	#5	29'-6"	————
b45(E)	268	#9	29'-6"	————

d2(E)	4	#7	6'-0"	┌————┐
d3(E)	4	#7	5'-11"	┌————┐
d4(E)	4	#7	5'-10"	┌————┐
d5(E)	4	#7	5'-9"	┌————┐
d6(E)	4	#7	5'-8"	┌————┐
d7(E)	4	#7	5'-8"	┌————┐
d8(E)	4	#7	4'-7"	┌————┐
d9(E)	4	#7	4'-7"	┌————┐
d10(E)	4	#7	4'-6"	┌————┐
d11(E)	4	#7	4'-6"	┌————┐

t10(E)	236	#4	11'-0"	————
t11(E)	4	#4	10'-4"	————
w10(E)	40	#5	37'-0"	————
w11(E)	80	#5	25'-8"	————
w12(E)	80	#5	22'-5"	————

Protective Coat*	Sq. Yd.	385
Concrete Structures	Cu. Yd.	40.3
Bridge Deck Grooving	Sq. Yd.	360
Concrete Superstructure (Approach Slab)	Cu. Yd.	159.8
Reinforcement Bars, Epoxy Coated	Pound	68,980

*Includes protective coat for roadway and traffic barrier.

* Cost included with Concrete Superstructure (Approach Slab).

** Per manufacturer recommendations

NOTES:

- The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
- Parapet concrete shall be paid for as Concrete Superstructure. Parapet billed on Sheet S-26.
- Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
- Approach footing concrete shall be paid for as Concrete Structures.
- The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
- Cost of excavation for approach footing included with Concrete Structures.
- For Granular Backfill for Structures and drainage treatment details, see Sheet S-3.

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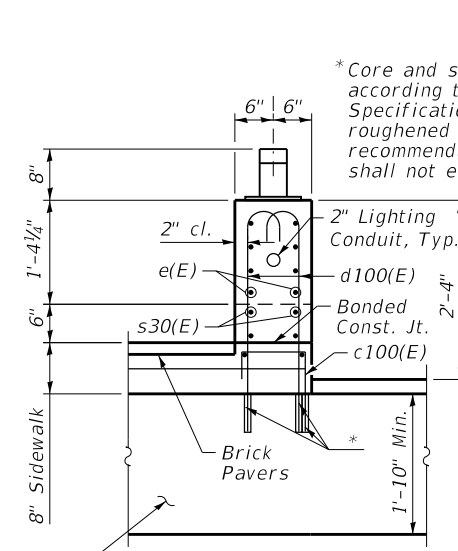
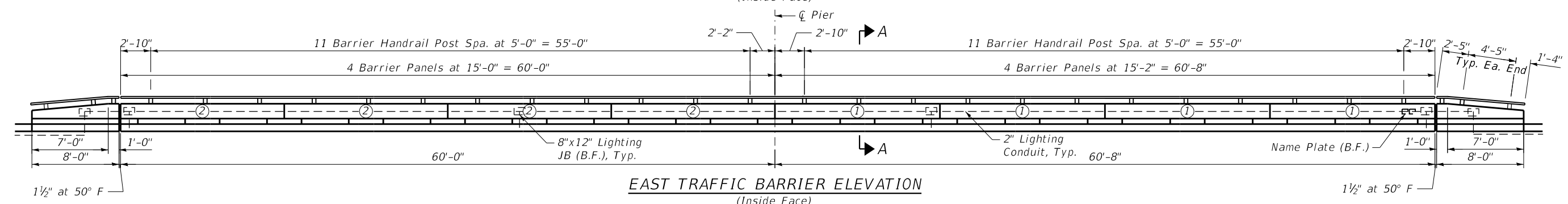
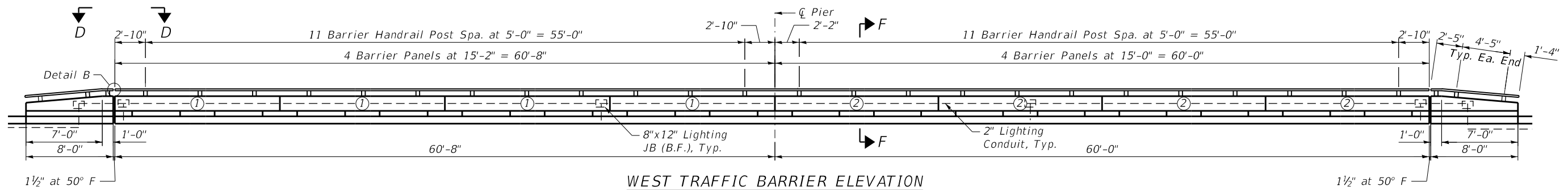
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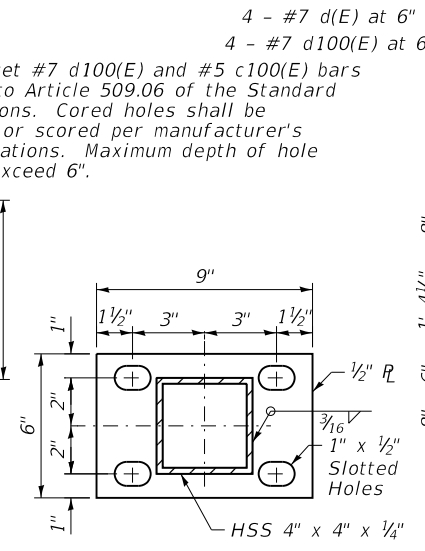
APPROACH SLAB DETAILS II
STRUCTURE NO. 022-6749

SHEET S-24 OF S-48 SHEETS

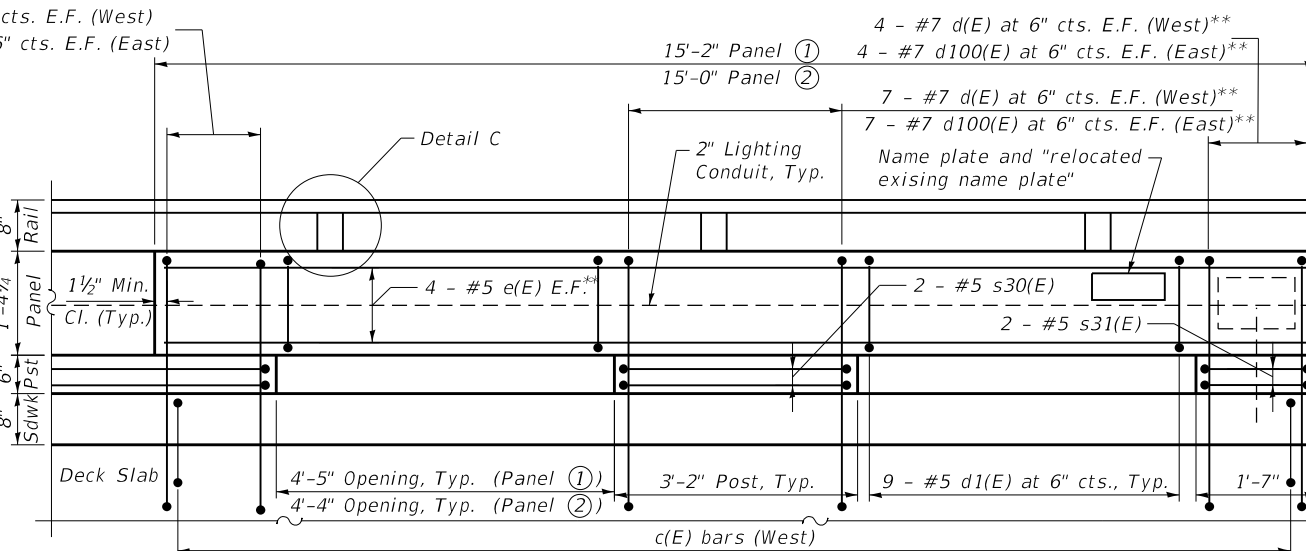
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CONTRACT NO.			61G82	
ILLINOIS FED. AID PROJECT				



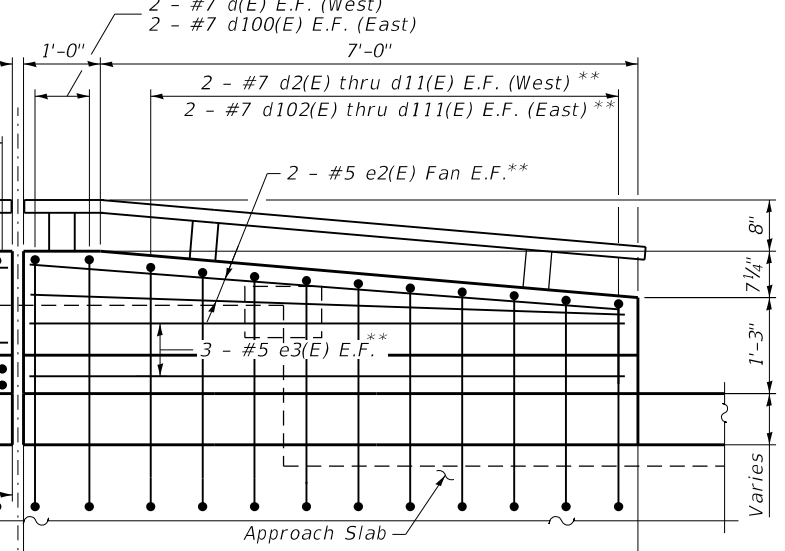
SECTION A-A



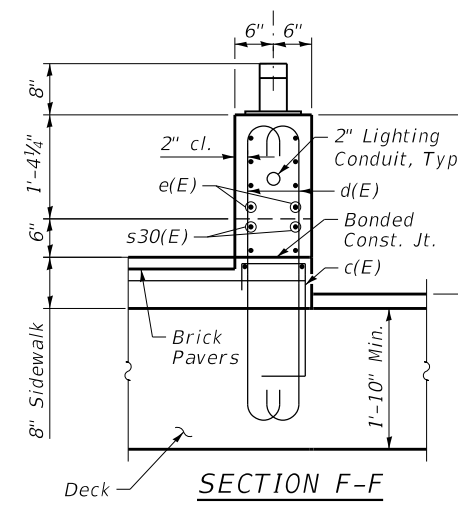
BASE PLATE SECTION E-E



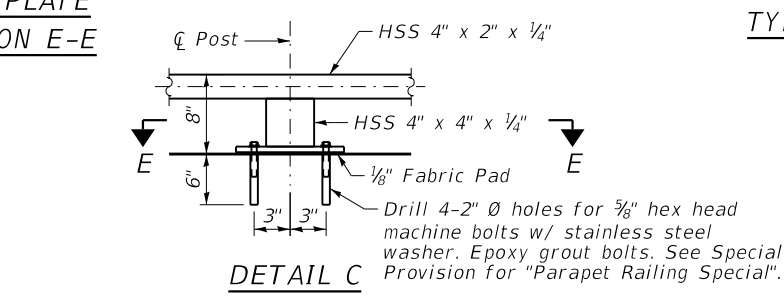
TYPICAL BARRIER PANEL (Inside Face)



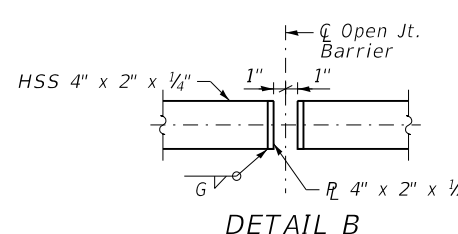
TYPICAL BARRIER END SECTION (SW, NE, SE Corner)



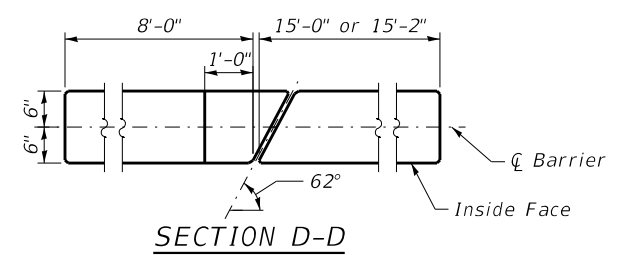
SECTION F-F



DETAIL C



DETAIL B



SECTION D-D

**Cut bars at Typical Barrier-End Section interface to fit lighting conduit expansion collar as necessary.

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Hollow structural sections shall conform to the requirements of ASTM designation A 500, Grade B, structural steel tubing.
3. All other Parapet Railing steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36.
4. See Parapet Railing, Special special provision for post, railing, splices, anchor devices, and bent plates material coating.
5. Bars d(E), c(E), and c100(E) are billed with the superstructure on Sheet S-21. Bars d2(E) thru d11(E) are billed with the approach slab on Sheet S-24. Bars d100(E) thru d111(E) are billed with the traffic barrier on Sheet S-26.
6. For Barrier Joint details, Northwest Barrier End Section, and bar bend details, see Sheet S-26.
7. For lighting conduit and Junction Box Details see Electrical Plans.

FILE NAME: N:\PROJ\020794-01\Design\Structural\CAD\020794-01_25-Traffic Barrier Details I.dgn

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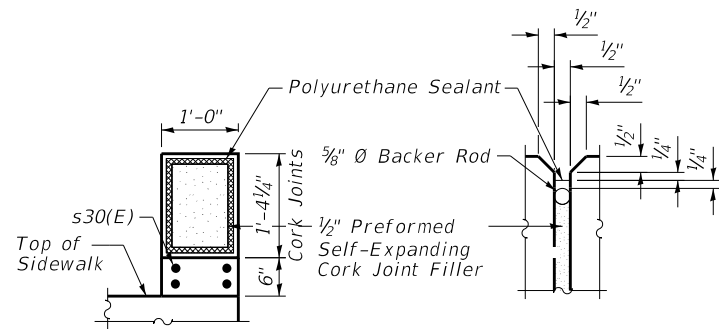
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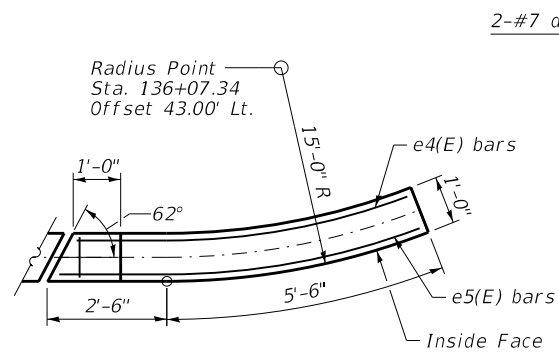
TRAFFIC BARRIER DETAILS I
STRUCTURE NO. 022-6749

SHEET S-25 OF S-48 SHEETS

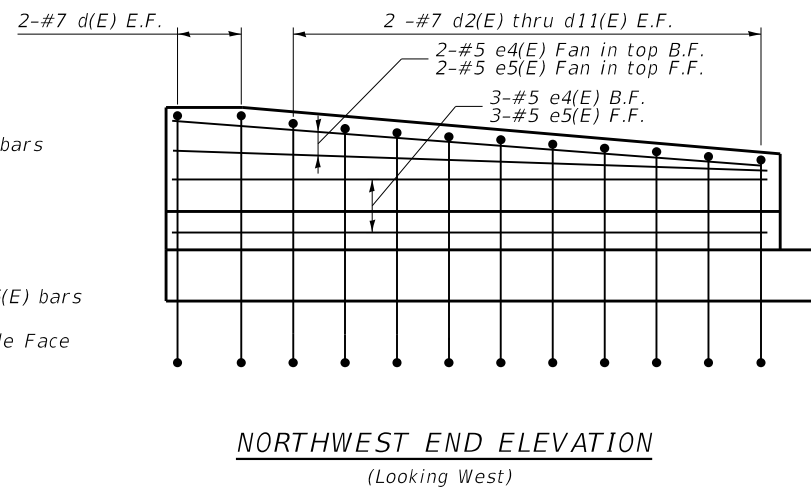
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CONTRACT NO.			61G82	
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BARRIER JOINT DETAILS



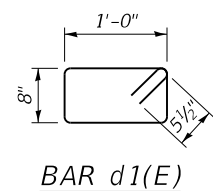
NORTHWEST END SECTION



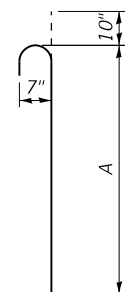
NORTHWEST END ELEVATION
(Looking West)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d1(E)	288	#5	4'-3"	
d100(E)	248	#7	3'-8"	
d102(E)	4	#7	3'-7"	
d103(E)	4	#7	3'-6"	
d104(E)	4	#7	3'-5"	
d105(E)	4	#7	3'-4"	
d106(E)	4	#7	3'-3"	
d107(E)	4	#7	3'-3"	
d108(E)	4	#7	3'-2"	
d109(E)	4	#7	3'-2"	
d110(E)	4	#7	3'-1"	
d111(E)	4	#7	3'-1"	
e(E)	128	#5	14'-8"	
e2(E)	12	#5	7'-9"	
e3(E)	18	#5	7'-8"	
e4(E)	5	#5	6'-11"	
e5(E)	5	#5	7'-6"	
s30(E)	60	#5	7'-11"	
s31(E)	8	#5	4'-6"	
Concrete Superstructure			Cu. Yd.	16.5
Reinforcement Bars, Epoxy Coated			Pound	6,220
Parapet Railing, Special			Foot	274

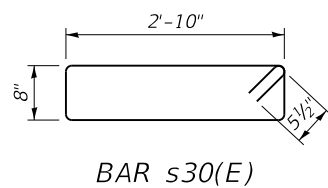


BAR d1(E)

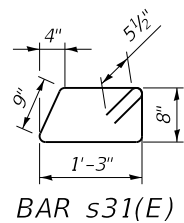


BAR	A
d100(E)	2'-10"
d102(E)	2'-9"
d103(E)	2'-8"
d104(E)	2'-7"
d105(E)	2'-6"
d106(E)	2'-5"
d107(E)	2'-5"
d108(E)	2'-4"
d109(E)	2'-4"
d110(E)	2'-3"
d111(E)	2'-3"

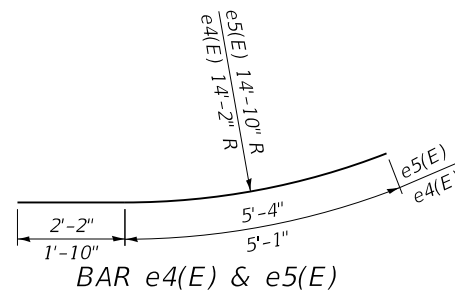
BARS d100(E), d102(E) THRU d111(E)



BAR s30(E)



BAR s31(E)

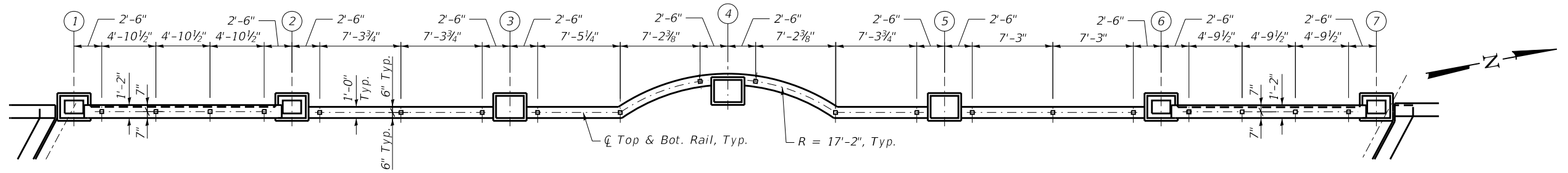


BAR e4(E) & e5(E)

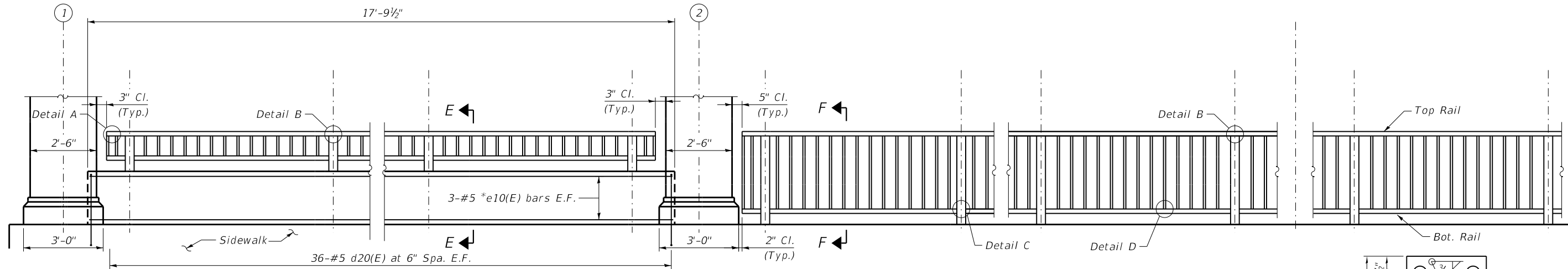
NOTE:

1. For Traffic Barrier notes see Sheet S-25.

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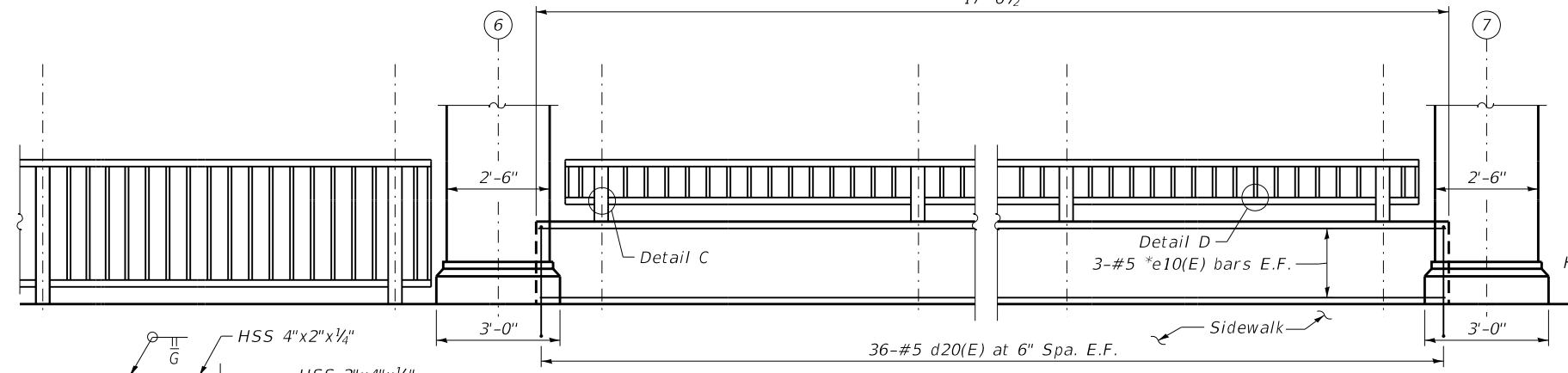


WEST RAILING PLAN

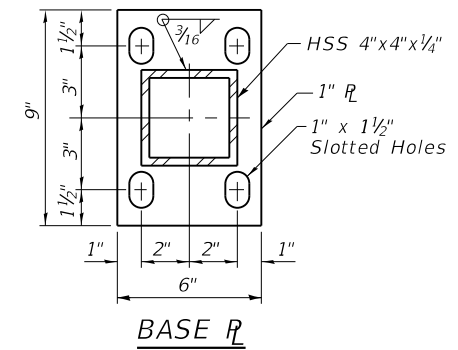
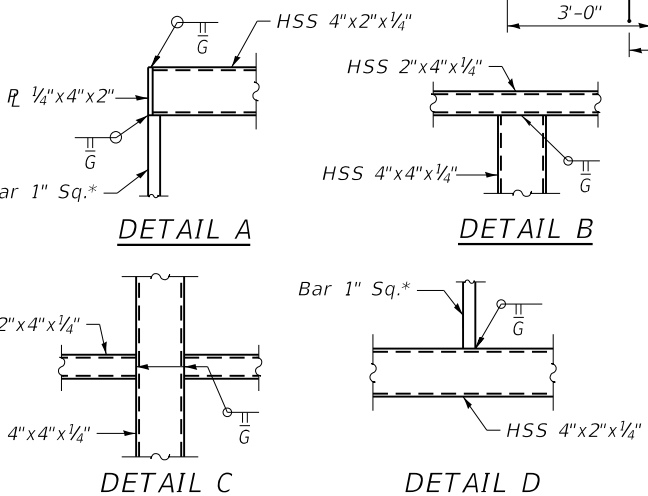


WEST RAILING ELEVATION

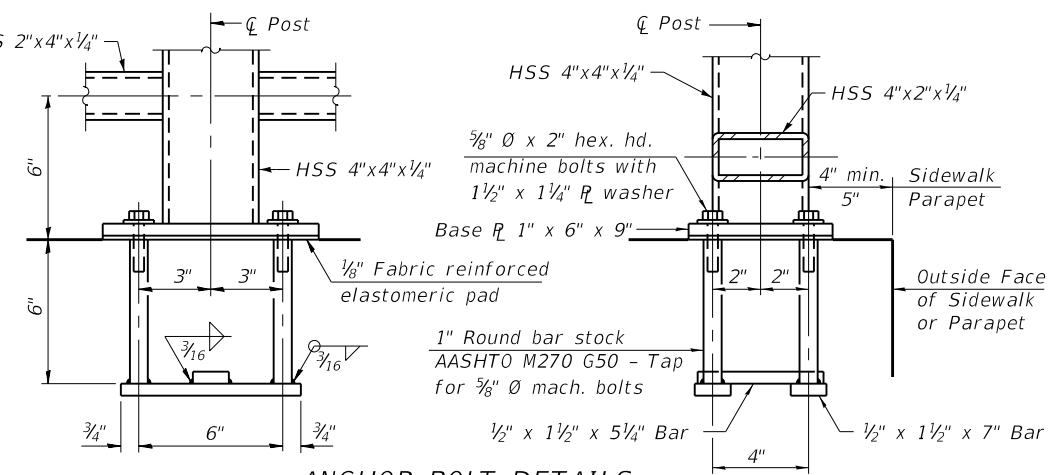
Horizontal dimensions given along \bar{C} Railing



WEST RAILING ELEVATION



BASE PLATE



ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" \bar{O} anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

NOTES:

1. See special provision for post railing, splices, anchor devices and plates for material coating.
2. See Architectural Plans for railing spandrel spacing and additional railing details.
3. For Section E-E and F-F, see Sheet S-28.

* Cut to fit

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DECORATIVE RAILING DETAILS I
STRUCTURE NO. 022-6749

SHEET S-27 OF S-48 SHEETS

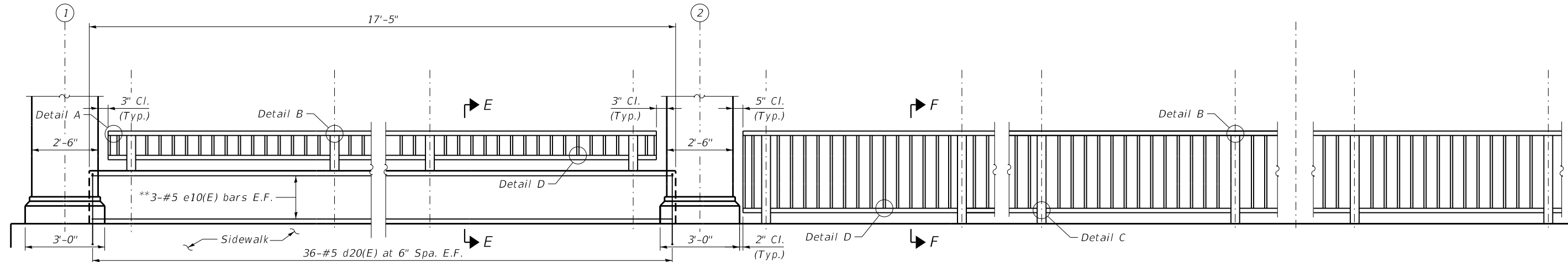
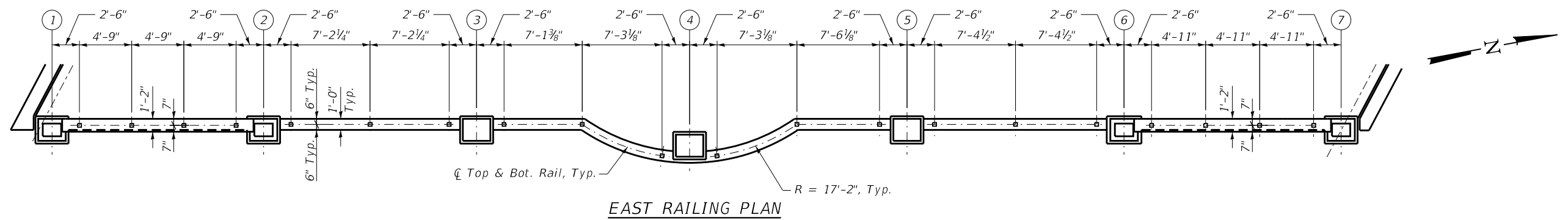
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CONTRACT NO.			61G82	

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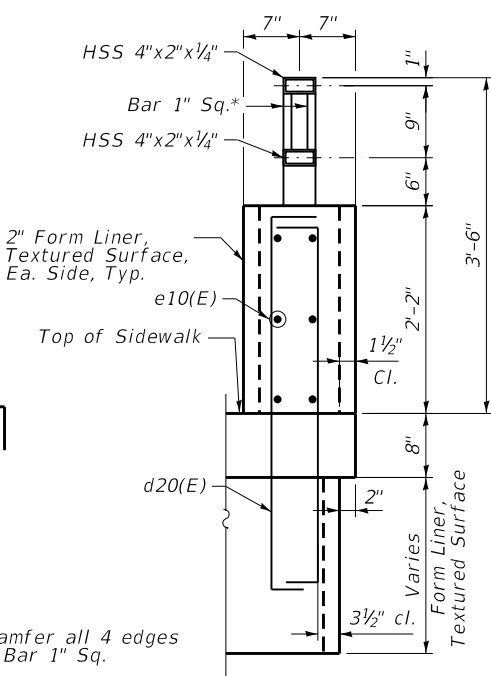
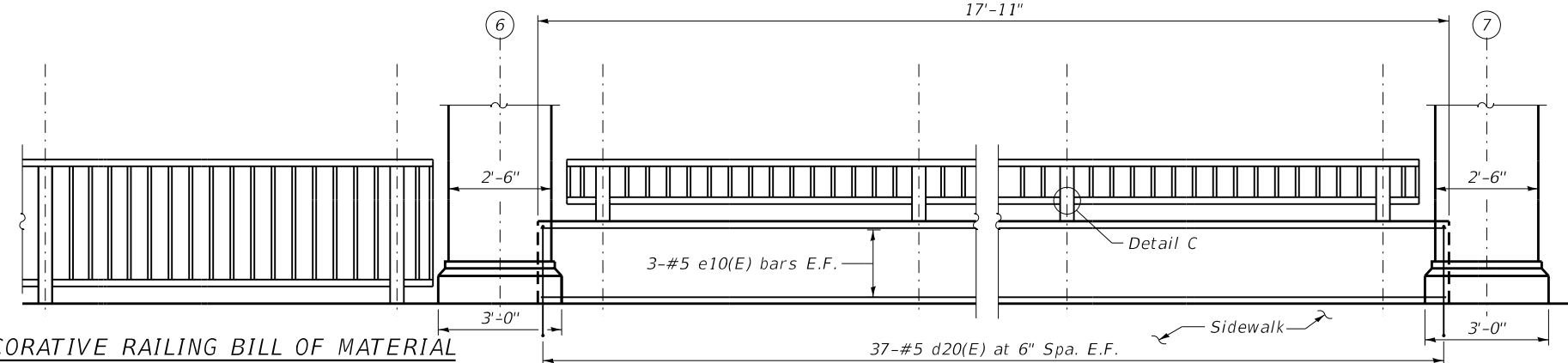
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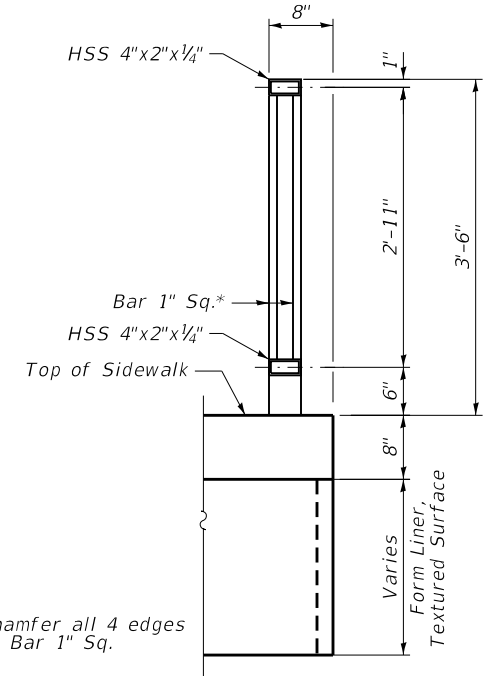
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EAST RAILING ELEVATION
Horizontal dimensions given along \bar{C} Railing



SECTION E-E

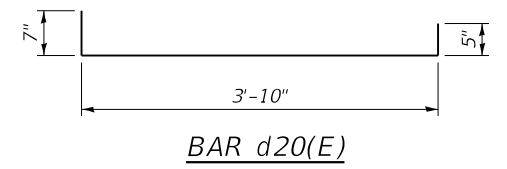


SECTION F-F

DECORATIVE RAILING BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d20(E)	290	#5	4'-10"	
e10(E)	24	#5	17'-7"	
Concrete Superstructure			Cu. Yd.	6.6
Reinforcement Bars, Epoxy Coated			Pound	1,910
Decorative Railing (Deck Mounted)			Foot	120
Decorative Railing (Parapet Mounted)			Foot	58
Form Liner Textured Surface (Special)			Sq. Ft.	307

EAST RAILING ELEVATION



- NOTES:**
- See special provisions for post railing, splices, anchor devices and plates material coating.
 - See Architectural Plans for railing spandrel spacing aesthetic details for Form Liner, Textured Surface, and additional railing details.
 - For Detail A, B, C, and D, see Sheet S-27.
 - For Anchor Bolt Details, see Sheet S-27.

*Chamfer all 4 edges of Bar 1" Sq.

*Chamfer all 4 edges of Bar 1" Sq.

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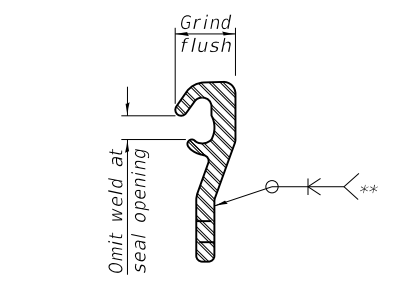
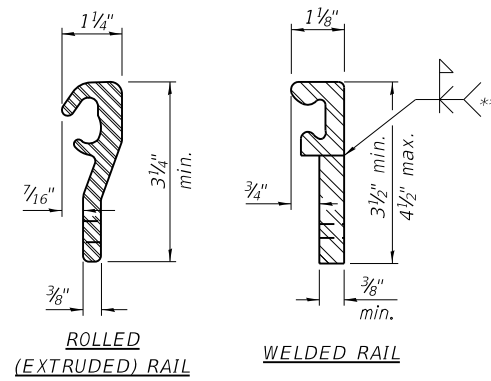
**STATE OF ILLINOIS
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**DECORATIVE RAILING DETAILS II
STRUCTURE NO. 022-6749**

SHEET S-28 OF S-48 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	212
CONTRACT NO.			61G82	
ILLINOIS		FED. AID PROJECT		

Notes:
 The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.
 The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4 1/2" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.
 The manufacturer's recommended installation methods shall be followed.
 All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
 The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.
 The top surface of sidewalk sliding plates shall have a raised pattern according to ASTM A786.
 Cost of parapet sliding plates, sidewalk sliding plates, embedded plates, anchorage studs, and expansion anchors included with Preformed Joint Strip Seal.
 The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.

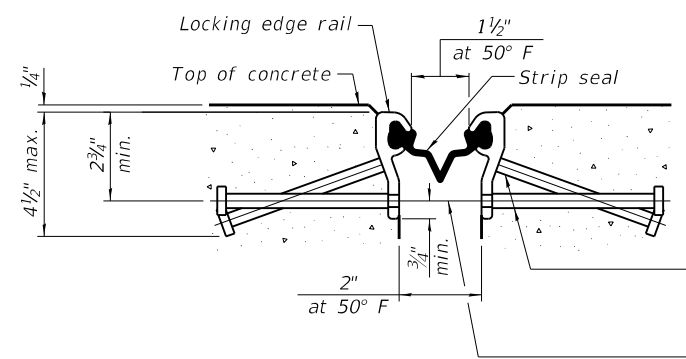


LOCKING EDGE RAIL SPLICE
 The inside of the locking edge rail groove shall be free of weld residue.
 Rolled rail shown, welded rail similar.

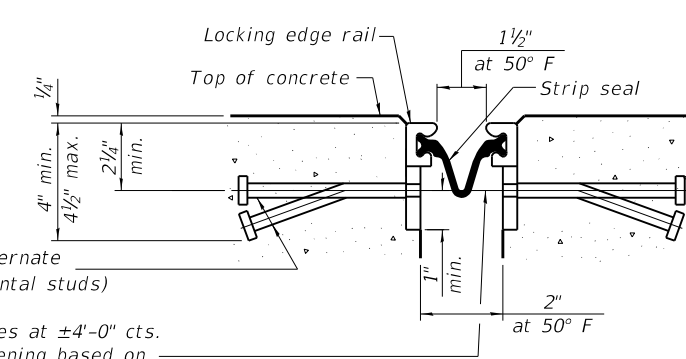
LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.

Cope bottom of rail to clear each post-tension anchor breakout in deck slab. Re-entrant cuts min. rad. = 1/2". Cost included with Preformed Joint Strip Seal.



SHOWING ROLLED RAIL JOINT



SHOWING WELDED RAIL JOINT

* 5/8" Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)
 3/8" Ø threaded rods in 7/16" Ø holes at ±4'-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	170

FILE NAME: N:\PROJ\020794.01\Design\Structural\CAD\020794.01_29-Expansion Joint Detail 1.dgn

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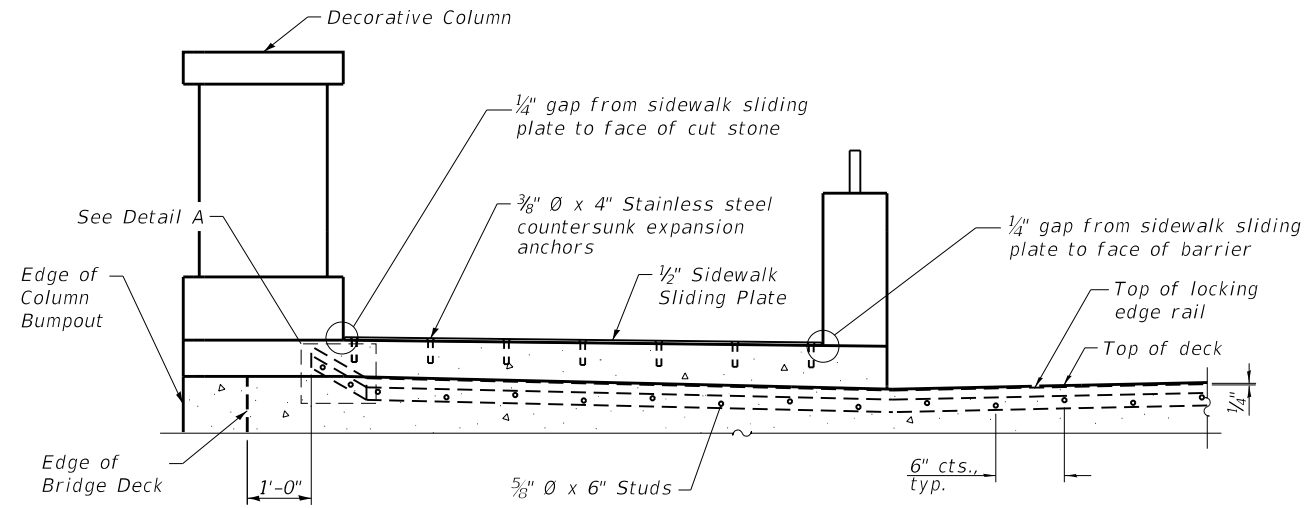
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EXPANSION JOINT DETAILS I
 STRUCTURE NO. 022-6749

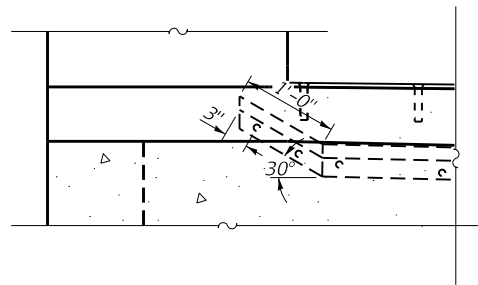
SHEET S-29 OF S-48 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS		FED. AID PROJECT		

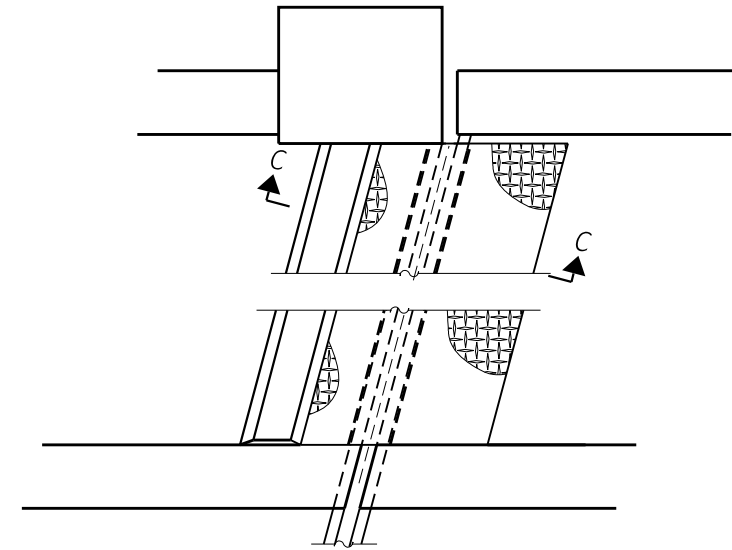
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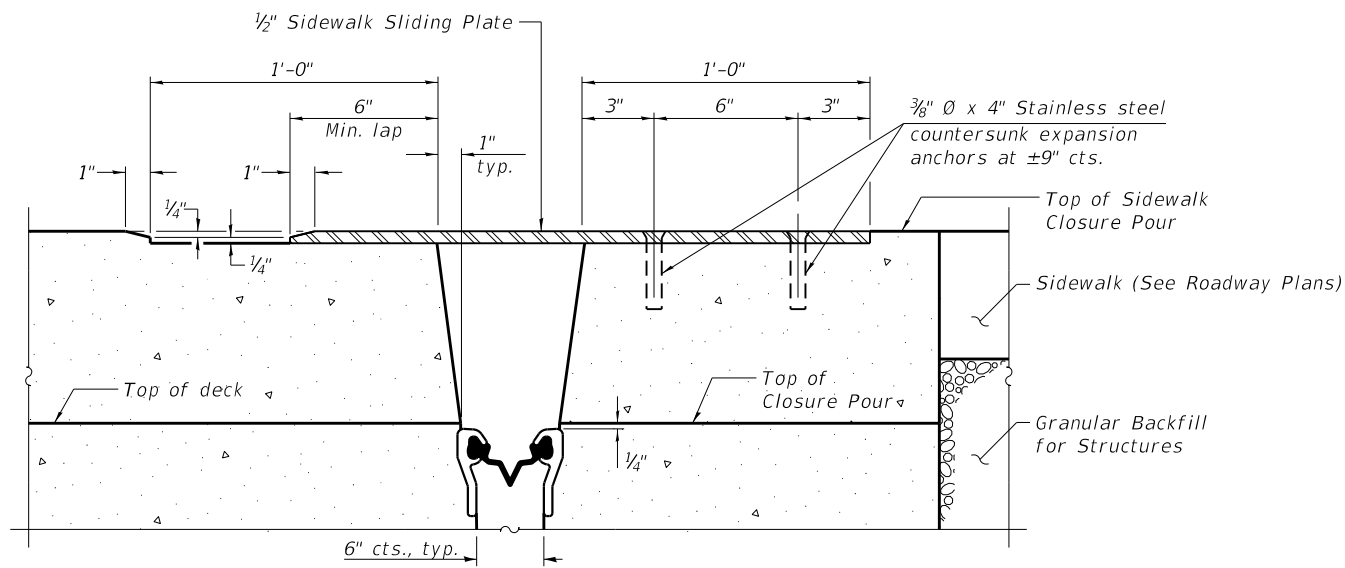
SECTION AT RAISED SIDEWALK



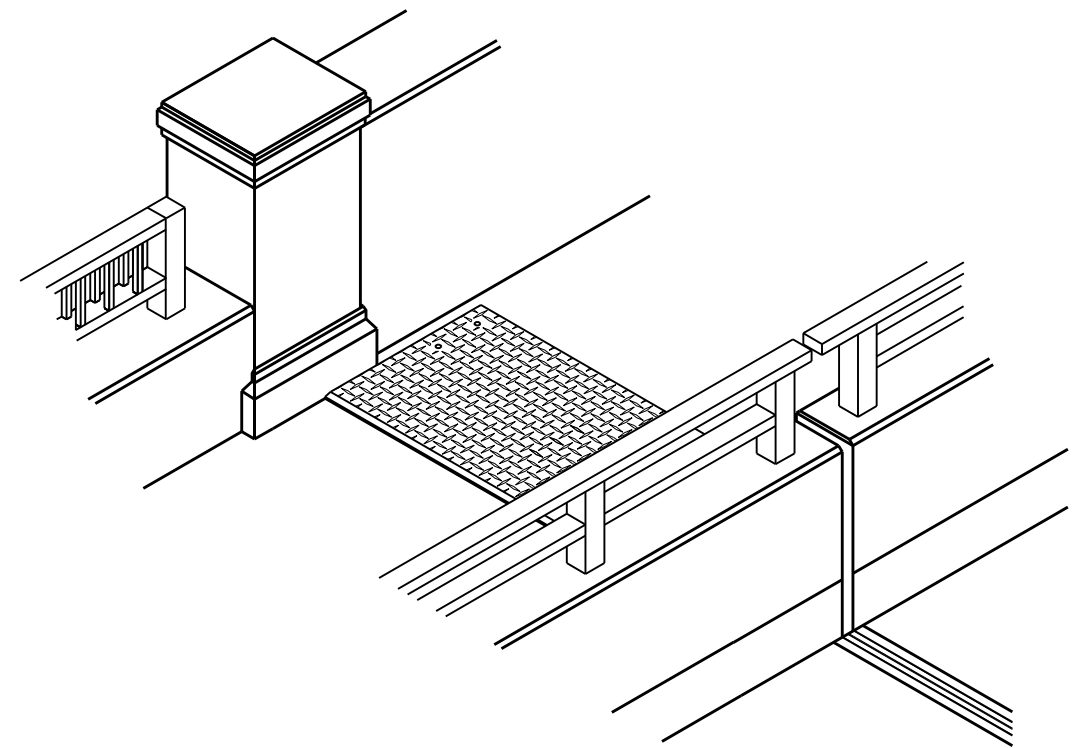
DETAIL A



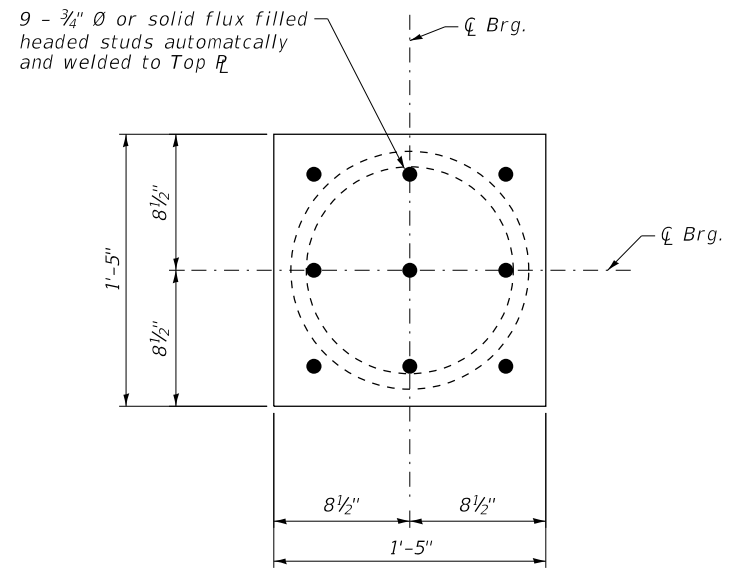
PLAN AT RAISED SIDEWALK



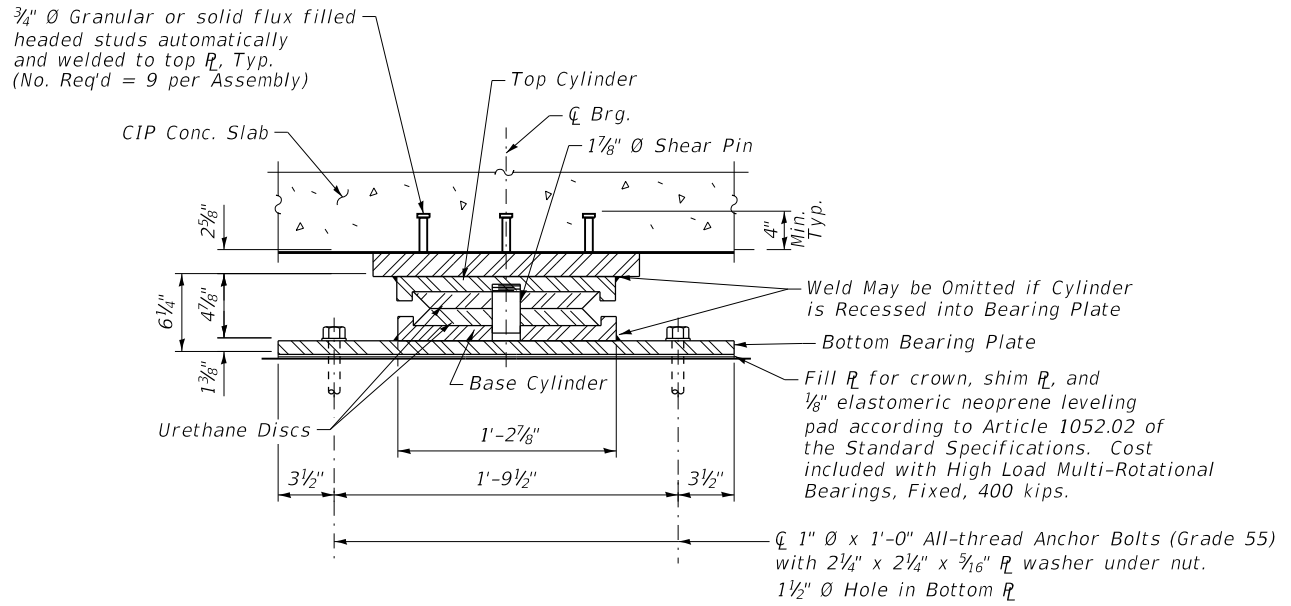
SECTION C-C



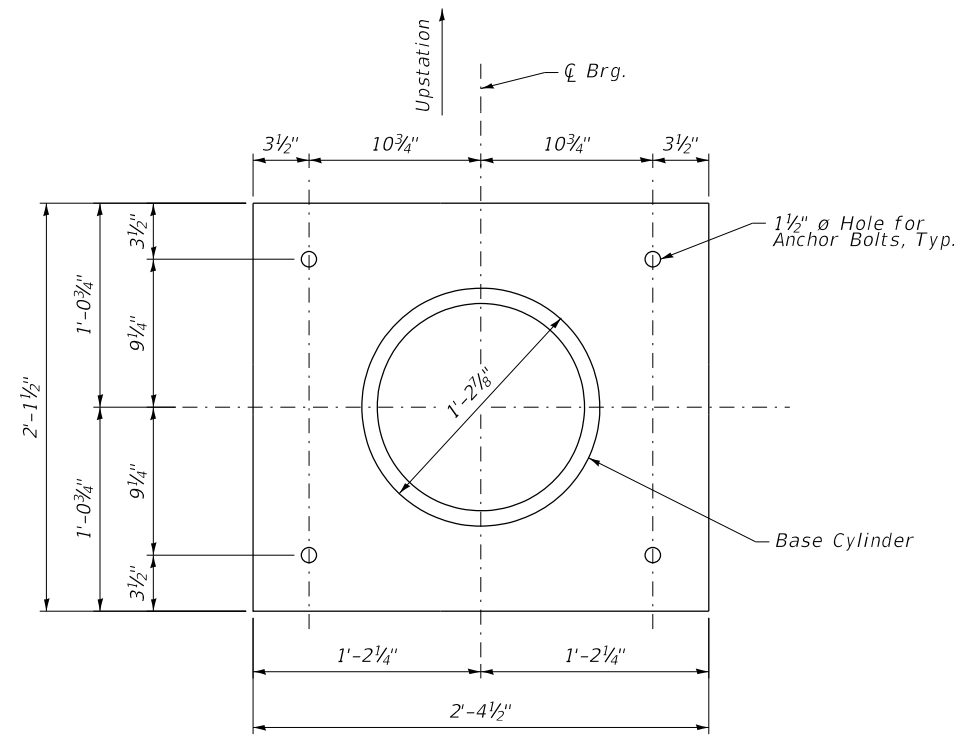
TRIMETRIC VIEW



TOP PLATE AND CYLINDER PLAN
 Cost Included with
 "High Load Multi-Rotational Bearings, Fixed, 400 kips".



HIGH LOAD MULTI-ROTATIONAL BEARING (FIXED)



BOTTOM BEARING PLATE AND BASE CYLINDER PLAN

SHIM TABLE

Bearing	"L"
1	1/2"
9	5/8"

BILL OF MATERIAL

Item	Unit	Total
High Load Multi-Rotational Bearings, Fixed, 400 kips	Each	9
Anchor Bolts, 1"	Each	36

NOTES:

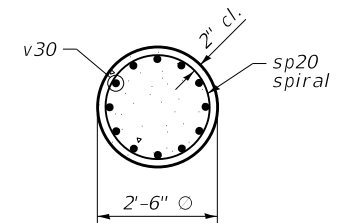
- All steel for HLMR bearings and bearing plates shall conform to the requirements of AASHTO M270 Grade 50.
- For shim plate requirements see "General Notes on sheet S-2."
- Bearing assemblies shall conform to the requirements of the Guide Bridge Special Provision "High Load Multi-Rotational Bearings".
- Cost of furnishing and erecting threaded studs and shim plates for the bearings assemblies is included in the cost of High Load Multi-Rotational Bearings, Fixed, 400 kips.
- CONTRACTOR shall submit Bearing Supplier's design calculations and drawings in accordance with the Guide Bridge Special Provision "High Load Multi-Rotational Bearings".
- Information not shown regarding size of top bearing plate, piston and base assemblies shall be determined by the Bearing Supplier in accordance with the GBSP for "High Load Multi-Rotational Bearings" and the Bearing Schedule provided on this sheet.
- The bearing seat elevations are computed based on the bearing heights shown on the plans. CONTRACTORS shall adjust final bearing seat elevations to accommodate actual bearing heights provided by the Bearing Supplier.
- Edge distances shown are minimum distances required. High Load Multi-Rotational Bearing shop drawings shall indicate the exact locations of anchor bolts and include provisions made by the CONTRACTOR to ensure that the anchor bolts will not interfere with the reinforcement bars.
- Two 1/8" adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing addition to all other plates or shims. (For Type I Elastomeric Bearings, two 1/8" adjusting shims shall be provided for each bearing and placed as detailed).
- All (embedded and separate) bearing plates, side retainers, anchor bolts, nuts, washers and pintles shall be galvanized according to AASHTO M111 or M232 as applicable.
- H.S. bolts in bearing assembly shall be galvanized according to AASHTO M298 Class 50.

FILE NAME: N:\PROJ\020794.01\Design\Structural\CAD\020794.01_32-Pier Bearing Details.dgn

* See Detail A, Sheet S-34 for placement
 ** See Section B-B, Sheet S-34 for placement
 *** 4-#5 Bar Splicer(E) Backwall
 7-#6 Bar Splicer(E) Closure Pour
 See Detail A, Sheet S-34 for placement

BEARING STEP ELEVATION

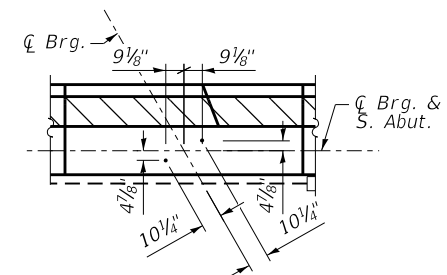
Brg No.	Step Elevation
1	671.24
2	671.11
3	671.19
4	671.26
5	671.26
6	671.09
7	670.86
8	670.54
9	670.54



SECTION C-C

MIN. LAP LENGTH

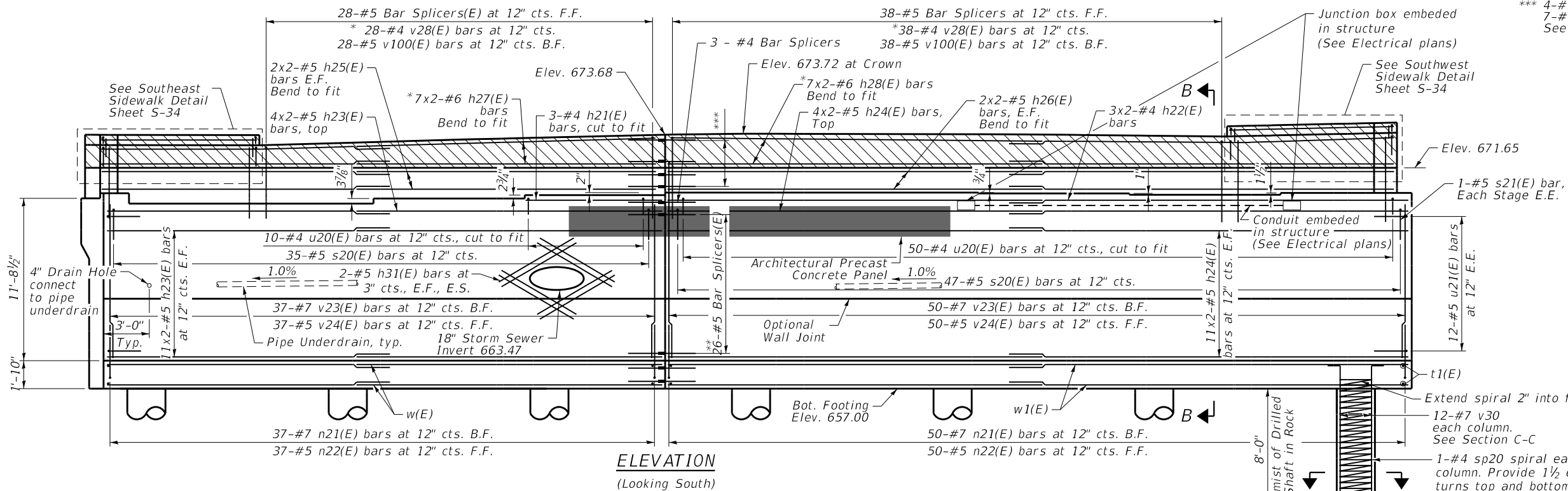
- #4 bar = 2'-11"
- #5 bar = 3'-7"
- #6 bar = 3'-7"
- #7 bar = 4'-5"
- #8 bar = 5'-9"



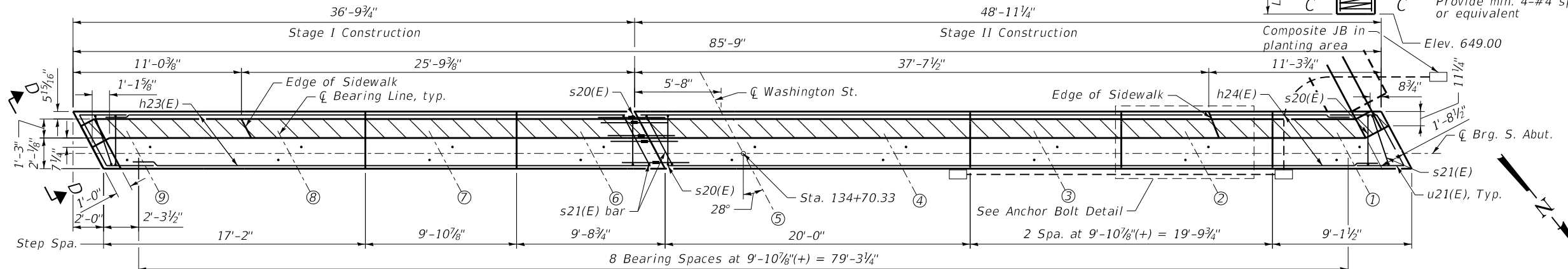
ANCHOR BOLT DETAIL

NOTES

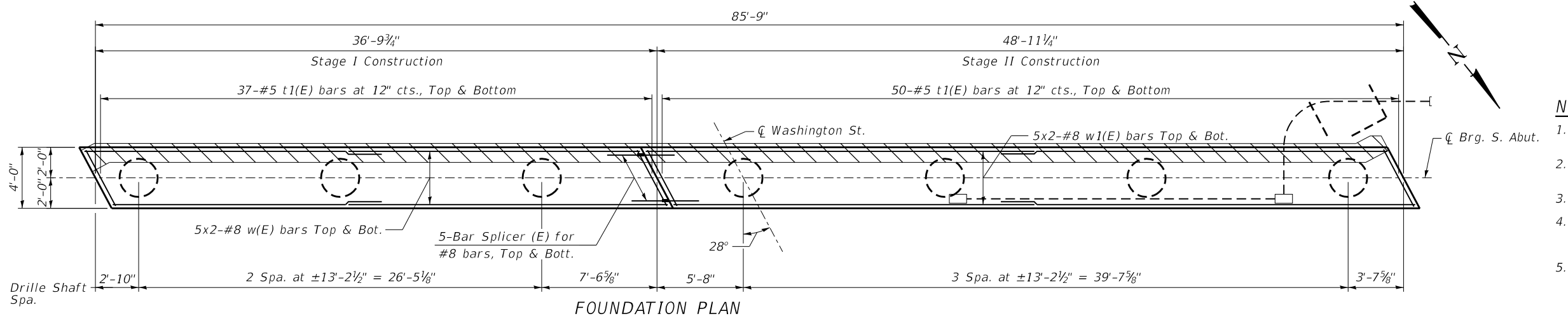
- Relocate vertical and horizontal bars in field to fit openings.
- F.F. = Front Face, B.F. = Back Face, E.F. = Each Face, E.E. = Each End
- For Section B-B and View D-D see Sheet S-34.
- Non-special waste disposal for top 6" of excavation within the streambed required to erect South Abutment. See Bill of Material for quantity.
- Cost of PVC drain hole shall be included with the pay item Concrete Structures.



ELEVATION
(Looking South)



TOP PLAN
(Showing top of cap reinforcement)



FOUNDATION PLAN

FILE NAME: N:\PROJ\020794-01\Design\Structural\CAD\020794-01_33-South Abutment Plan and Elevation.dgn



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PLOT DATE = 8/8/2022	DRAWN - SBA	REVISD -
	CHECKED - BWS	REVISD -

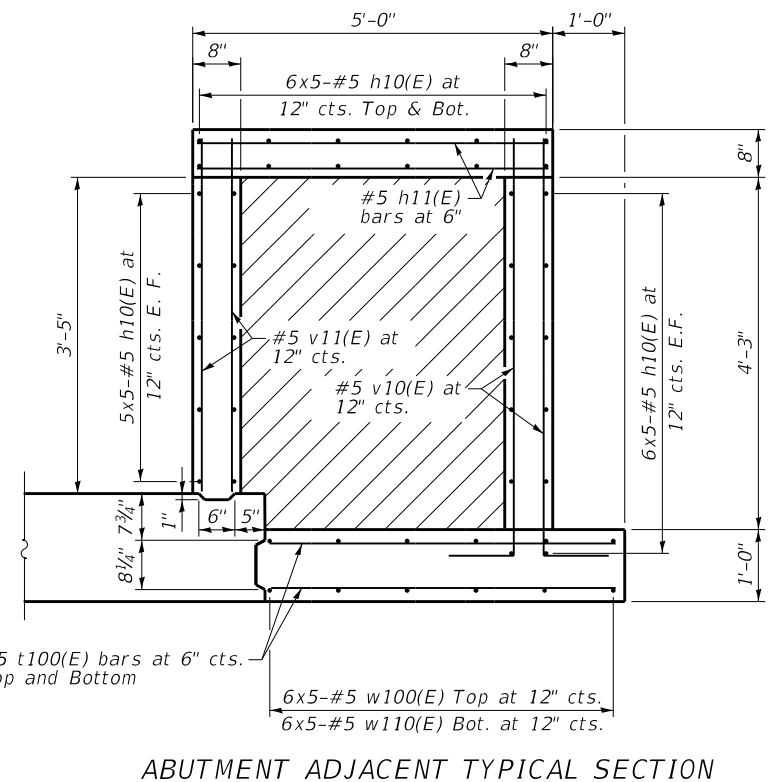
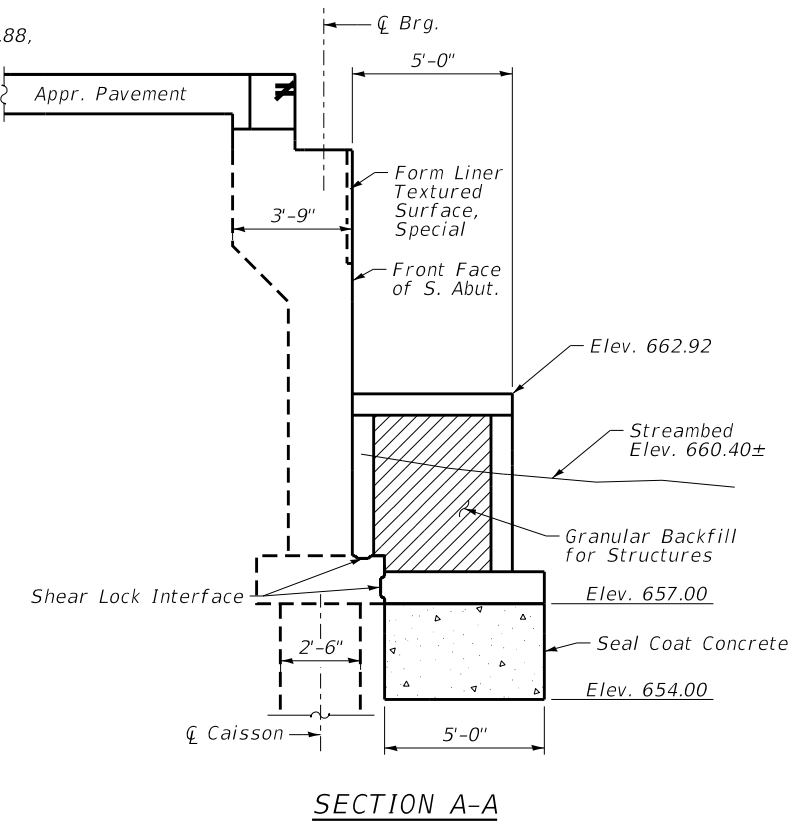
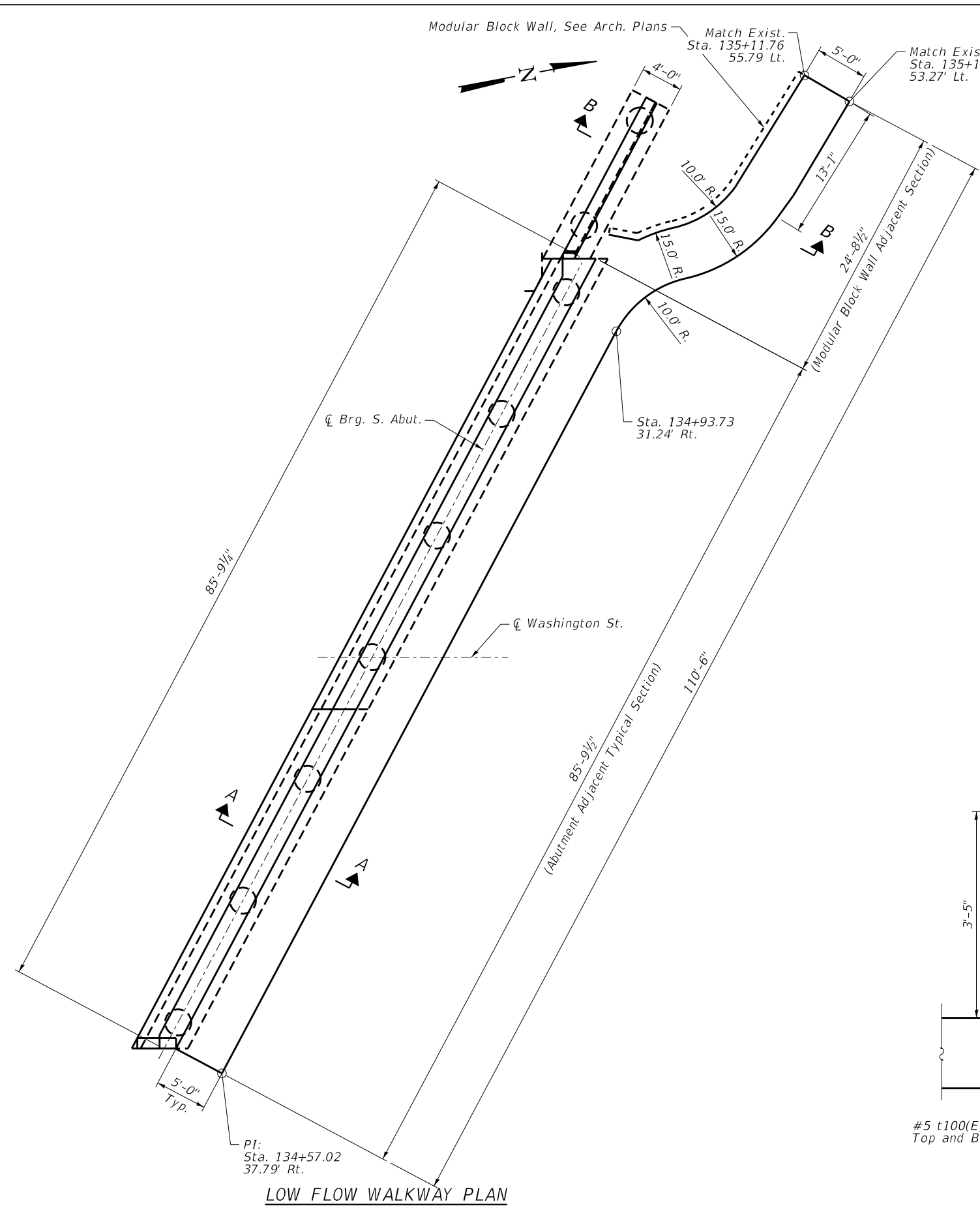
STATE OF ILLINOIS
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SOUTH ABUTMENT PLAN AND ELEVATION
STRUCTURE NO. 022-6749

SHEET S-33 OF S-48 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	217
CONTRACT NO.			61G82	
ILLINOIS FED. AID PROJECT				

FILE NAME: N:\PROJ\020794-01\Design\Structural\CAD\020794-01_35-Low Flow Walk Details Idgn



LEGEND

Granular Backfill for Structures

Seal Coat Concrete

MIN. LAP LENGTH

#5 bars = 3'-7"

NOTE:

1. For Section B-B and Modular Block Wall Adjacent Typical Section see Sheet S-36.



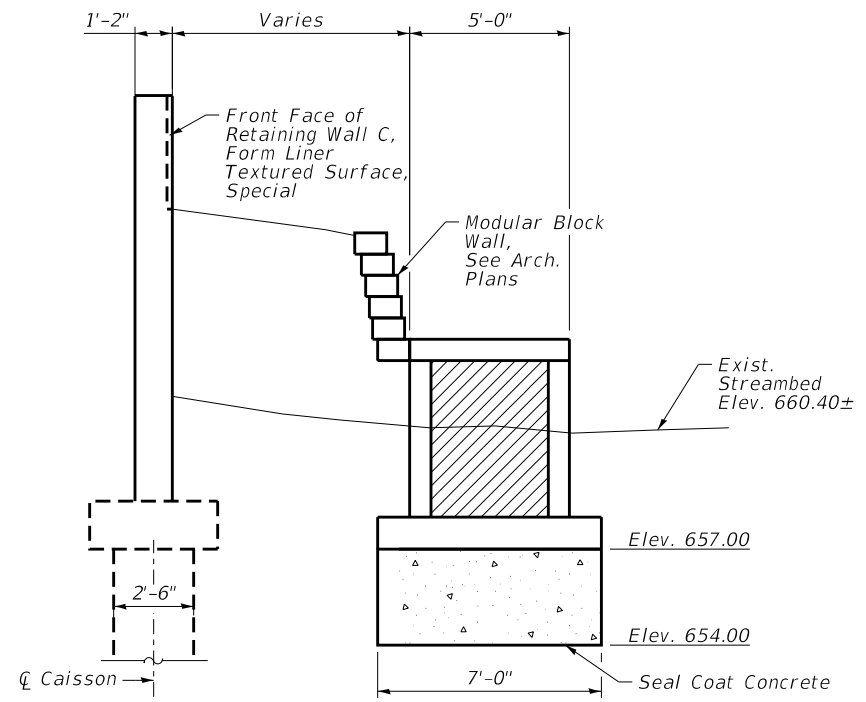
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PLOT SCALE = 0.1667' / in.	CHECKED - BWS	REVISED -
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STATE OF ILLINOIS
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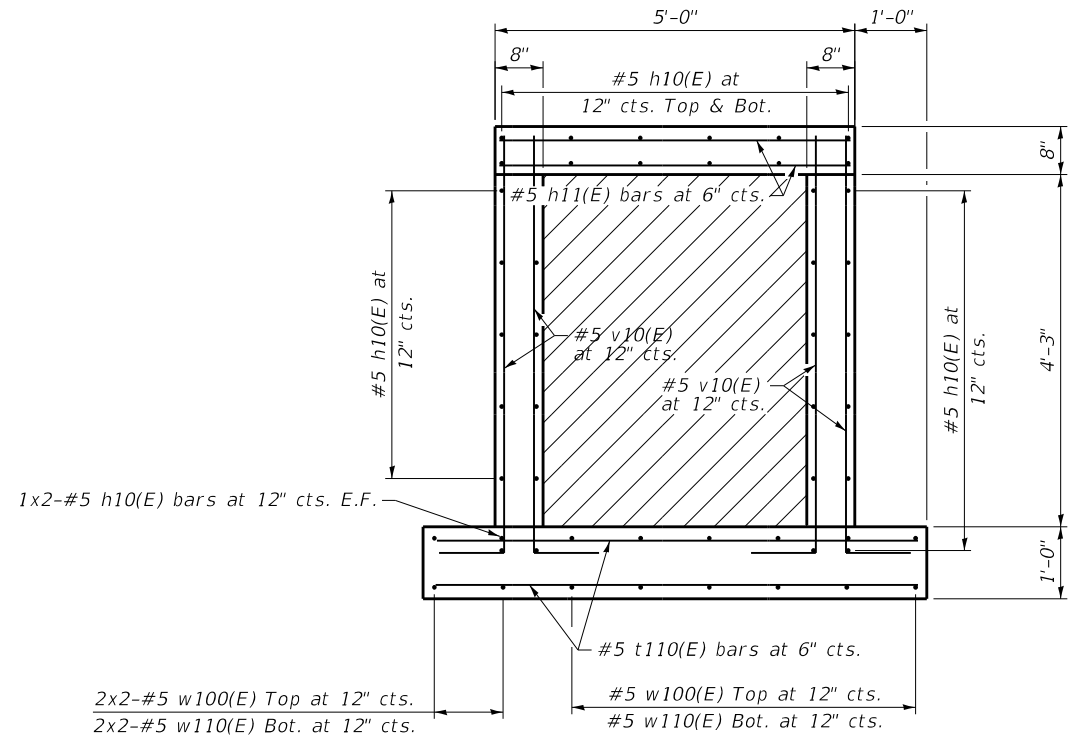
LOW FLOW WALK DETAILS I
STRUCTURE NO. 022-6749

SHEET S-35 OF S-48 SHEETS

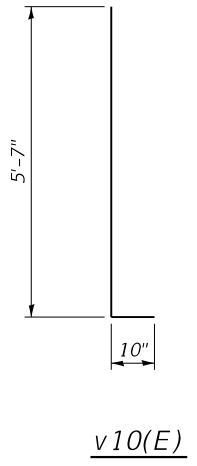
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	219
CONTRACT NO.			61G82	
ILLINOIS FED. AID PROJECT				



SECTION B-B



MODULAR BLOCK WALL ADJACENT TYPICAL SECTION



LEGEND

- Granular Backfill for Structures
- Seal Coat Concrete

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h10(E)	174	#5	25'-9"	—
h11(E)	456	#5	4'-8"	—
t100(E)	322	#5	4'-8"	—
t110(E)	130	#5	6'-8"	—
v10(E)	292	#5	6'-5"	—
v11(E)	160	#5	3'-9"	—
w100(E)	34	#5	25'-9"	—
w110(E)	34	#5	25'-9"	—
Rock Excavation for Structures*			Cu. Yd.	131
Reinforcement Bars, Epoxy Coated*			Pound	13,780
Granular Backfill for Structures*			Cu. Yd.	75
Non-Special Waste Disposal			Cu. Yd.	20
Seal Coat Concrete			Cu. Yd.	88.0

*Indicated Low Flow Walk quantities are shown for information only and are included in the pay item "Low Flow Walk". See Special Provisions.

NOTES:

1. Low Flow Walk Bill of Material quantities do not include work to be done by others in the future.
2. Structure excavation for Concrete Fill and Low Flow Walk included with the quantity and cost for South Abutment Structure Excavation.
3. Non-special Waste Disposal for top 6" of excavation within the streambed required to construct Low Flow Walk. Cost included with the quantity and cost of South Abutment.

FILE NAME: N:\PROJ\020794-01\Design\Structural\CAD\020794-01_36-Low Flow Walk Details II.dgn

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USER NAME =	Structural	DESIGNED -	MLK	REVISED -	
		CHECKED -	BWS	REVISED -	
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PLOT DATE =	8/8/2022	CHECKED -	BWS	REVISED -	

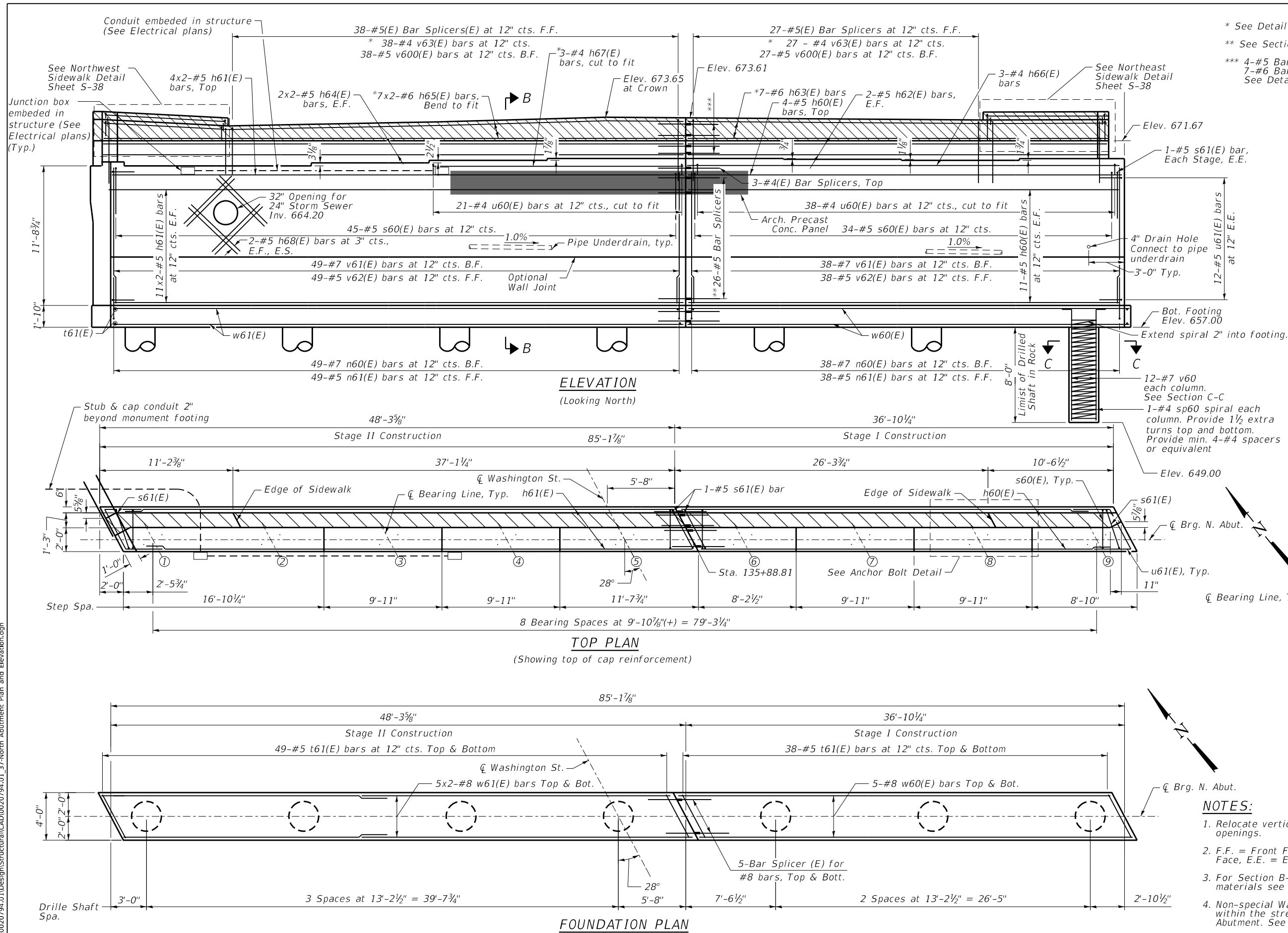
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOW FLOW WALK DETAILS II
STRUCTURE NO. 022-6749

SHEET S-36 OF S-48 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			61G82	
ILLINOIS FED. AID PROJECT				

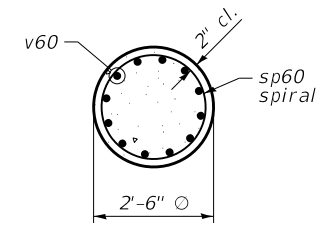
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* See Detail A, Sheet S-38 for placement
 ** See Section B-B, Sheet S-38 for placement
 *** 4-#5 Bar Splicer(E) E.F. Backwall
 7-#6 Bar Splicer(E) E.F., Closure Pour
 See Detail A, Sheet S-38 for placement

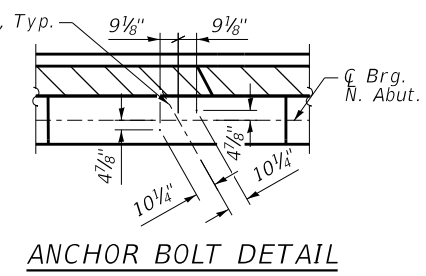
BEARING STEP ELEVATION

Brg No.	Step Elevation
1	670.56
2	670.56
3	670.82
4	671.03
5	671.18
6	671.18
7	671.12
8	671.03
9	671.17



MIN. LAP LENGTH

#4 bar	= 2'-11"
#5 bar	= 3'-7"
#6 bar	= 3'-7"
#7 bar	= 4'-5"
#8 bar	= 5'-9"



- NOTES:**
- Relocate vertical and horizontal bars in field to fit openings.
 - F.F. = Front Face, B.F. = Back Face, E.F. = Each Face, E.E. = Each End
 - For Section B-B, View D-D, bar bends and bill of materials see Sheet S-38.
 - Non-special Waste Disposal for top 6" of excavation within the streambed required to erect North Abutment. See Bill of Material for quantity.
 - Cost of PVC drain hole shall be included with the pay item Concrete Structures.



USER NAME =	Structural	DESIGNED -	MLK	REVISED -	
		CHECKED -	BWS	REVISED -	
PLOT SCALE =	0.1667' / in.	DRAWN -	SBA	REVISED -	
PLOT DATE =	8/8/2022	CHECKED -	BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

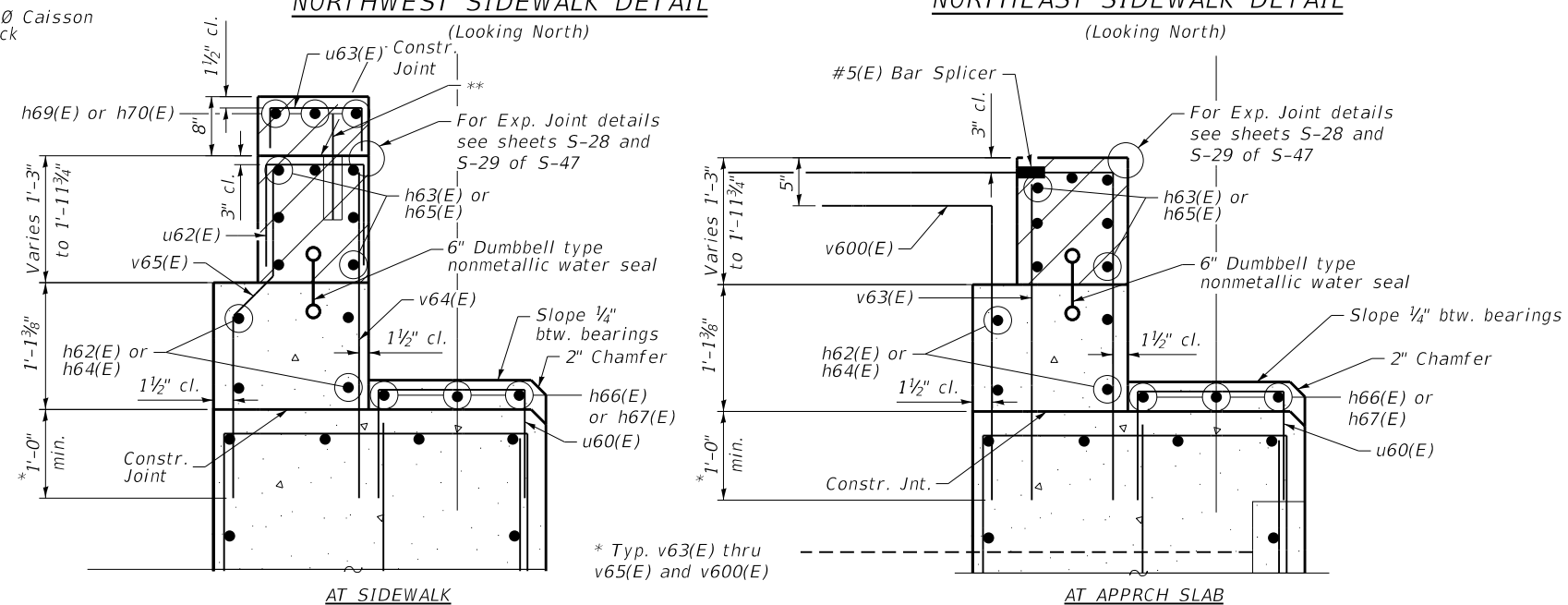
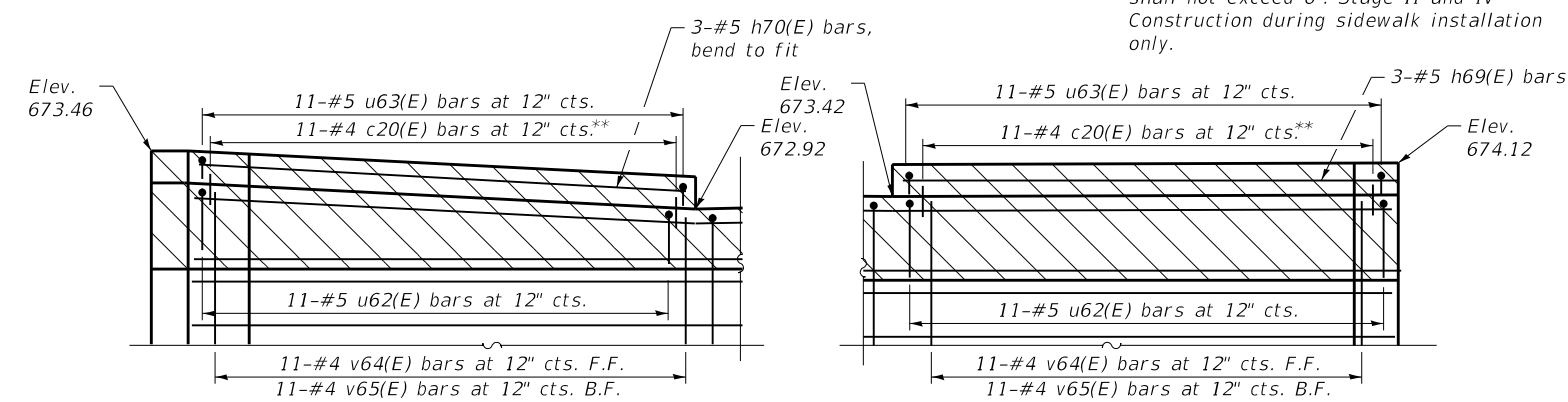
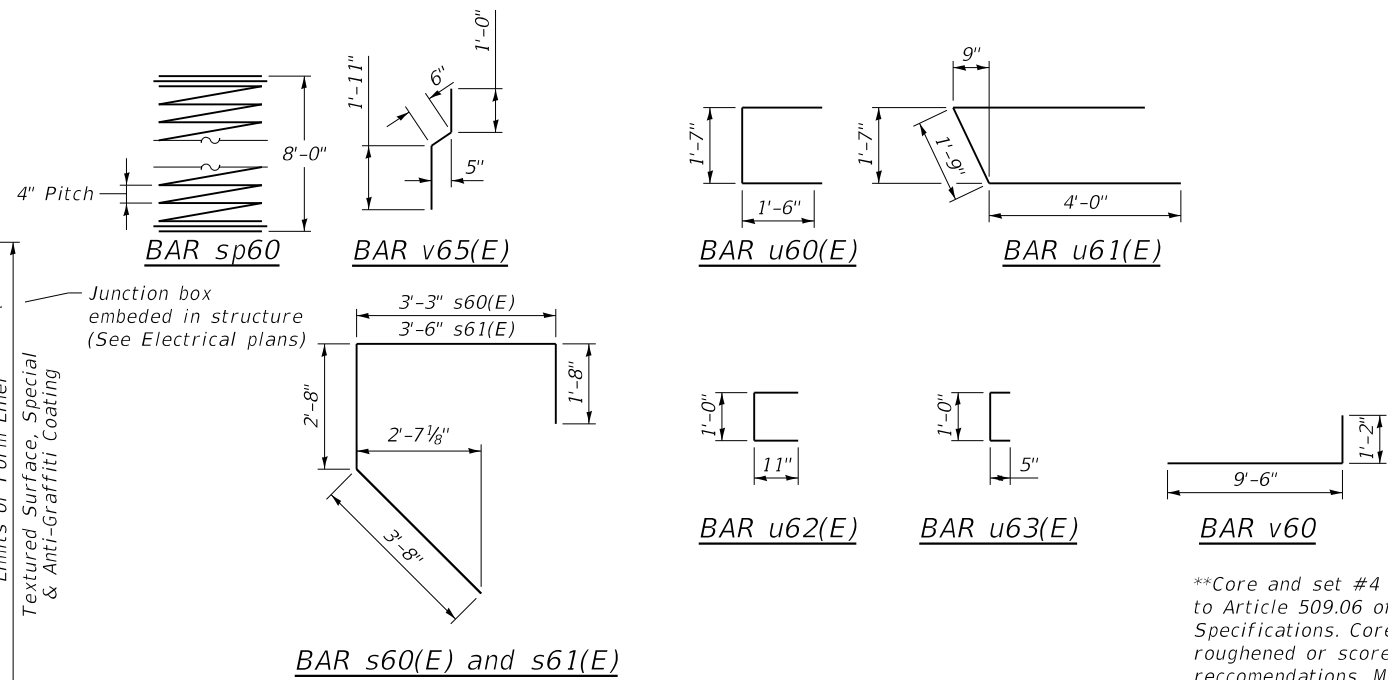
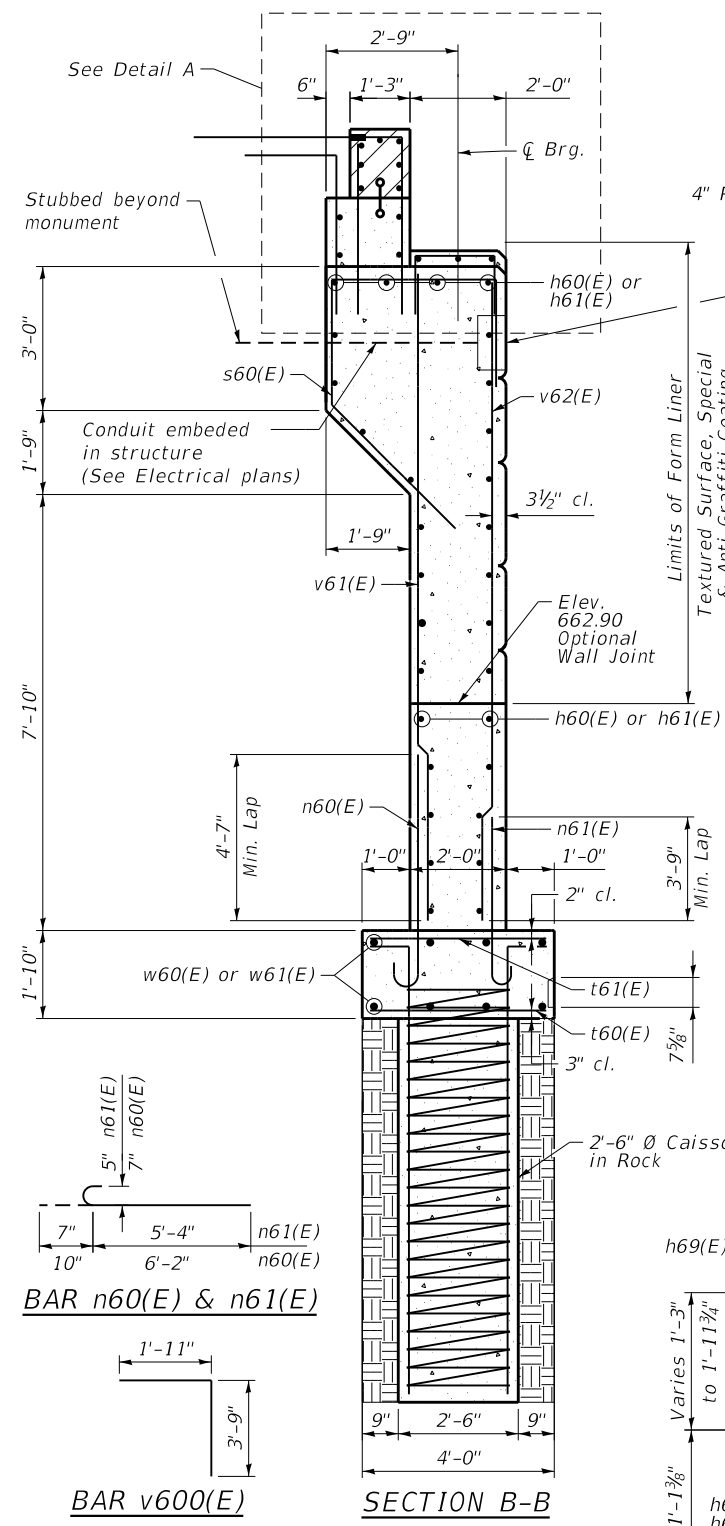
NORTH ABUTMENT PLAN AND ELEVATION
STRUCTURE NO. 022-6749

SHEET S-37 OF S-48 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	221
CONTRACT NO.			61G82	
ILLINOIS FED. AID PROJECT				

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
c20(E)	22	#4	1'-0"	—
h60(E)	26	#5	36'-6"	—
h61(E)	52	#5	25'-10"	—
h62(E)	4	#5	36'-6"	—
h63(E)	7	#6	36'-6"	—
h64(E)	8	#5	25'-7"	—
h65(E)	14	#6	25'-5"	—
h66(E)	3	#4	36'-6"	—
h67(E)	3	#4	21'-2"	—
h68(E)	16	#5	5'-9"	—
h69(E)	3	#5	10'-5"	—
h70(E)	3	#5	10'-10"	—
n60(E)	87	#7	7'-0"	—
n61(E)	87	#5	5'-11"	—
s60(E)	79	#5	11'-3"	—
s61(E)	4	#5	11'-6"	—
†sp60	7	#4	8'-0"	—
t61(E)	174	#8	4'-2"	—
u60(E)	59	#4	4'-7"	—
u61(E)	24	#5	9'-9"	—
u62(E)	22	#5	2'-10"	—
u63(E)	22	#5	1'-10"	—
v60	84	#7	10'-8"	—
v61(E)	87	#7	11'-4"	—
v62(E)	87	#5	11'-4"	—
v63(E)	65	#4	4'-0"	—
v64(E)	22	#4	4'-0"	—
v65(E)	22	#4	3'-5"	—
v600(E)	65	#5	5'-8"	—
w60(E)	10	#8	36'-6"	—
w61(E)	20	#8	26'-10"	—
Rock Excavation for Structures		Cu. Yd.	43	
Concrete Structures		Cu. Yd.	132.7	
Concrete Superstructure		Cu. Yd.	0.7	
Reinforcement Bars		Pound	2,440	
Reinforcement Bars, Epoxy Coated		Pound	15,310	
Drilled Shaft in Rock		Cu. Yd.	10.2	
Granular Backfill for Structures		Cu. Yd.	74	
Concrete Sealer		Sq. Ft.	170	
Geocomposite Wall Drain		Sq. Yd.	87	
Non-Special Waste Disposal		Cu. Yd.	13	
Pipe Underdrain for Structures, 4"		Foot	87	
Crosshole Sonic		Foot	168	
Crosshole Sonic Logging Testing		Each	2	
Anti-Graffiti Coating		Sq. Ft.	697	
Form Liner Textured Surface, Special		Sq. Ft.	688	
High Performance Concrete Superstructure		Cu Yd	7.9	



- NOTES:**
- Hatched area to be poured after superstructure false work has been removed. Quantity of concrete included with Concrete Superstructure.
 - Space reinforcement in cap to miss anchor bolts.
 - Pour steps monolithically with cap.
 - For Drainage Details, see Sheet S-3.

†Length is height of spiral.

FILE NAME: N:\PROJ\020794-01\Design\Structural\CAD\020794-01_38-North Abutment Details.dgn

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USER NAME =	Structural	DESIGNED -	MLK	REVISED -	
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PLOT DATE =	8/8/2022	CHECKED -	BWS	REVISED -	

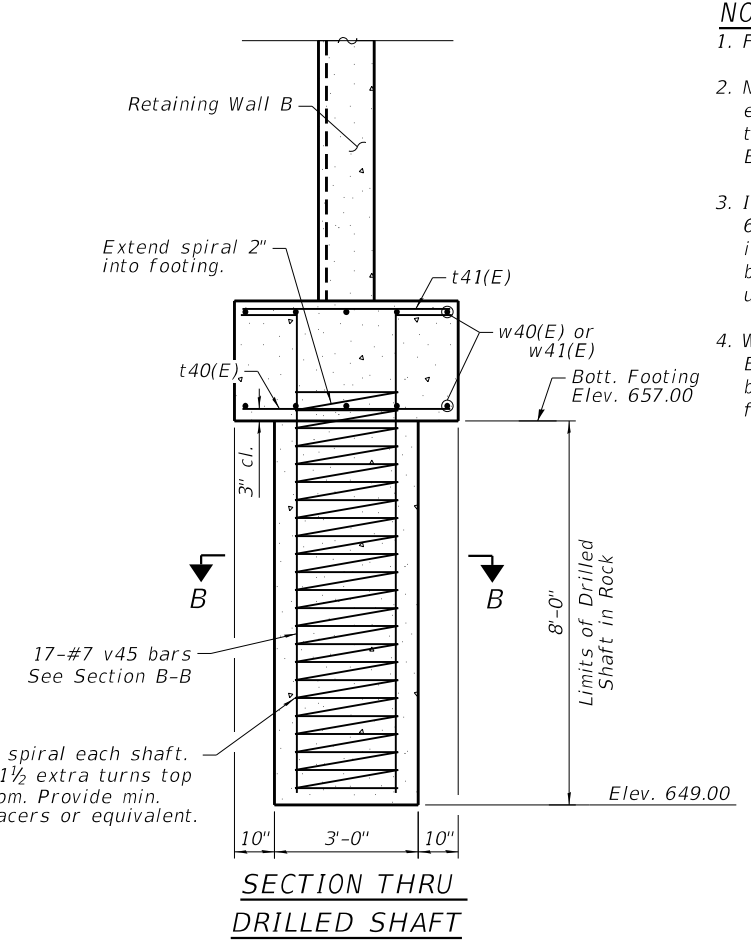
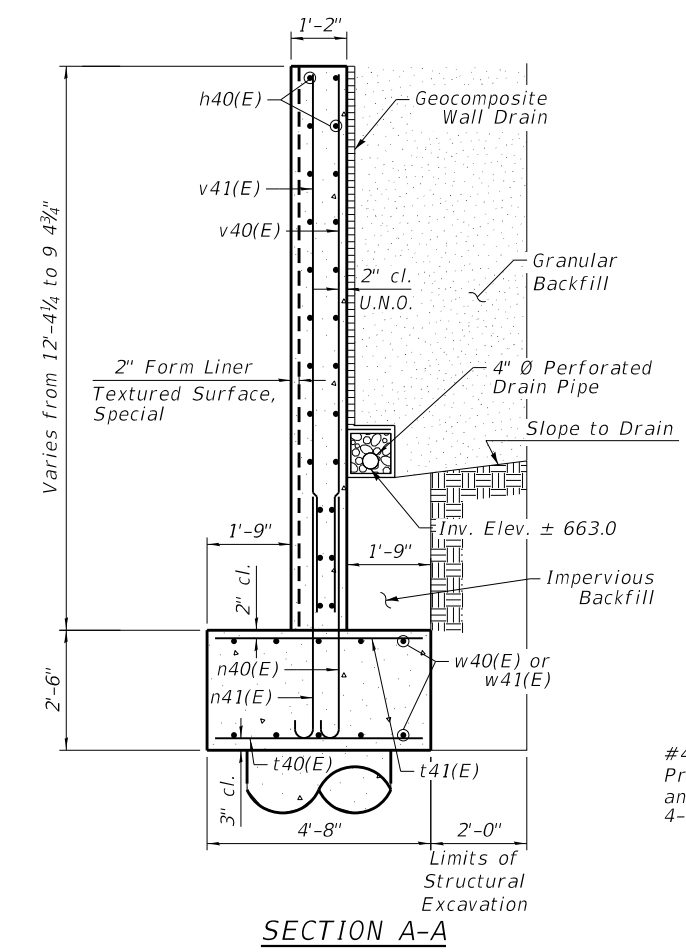
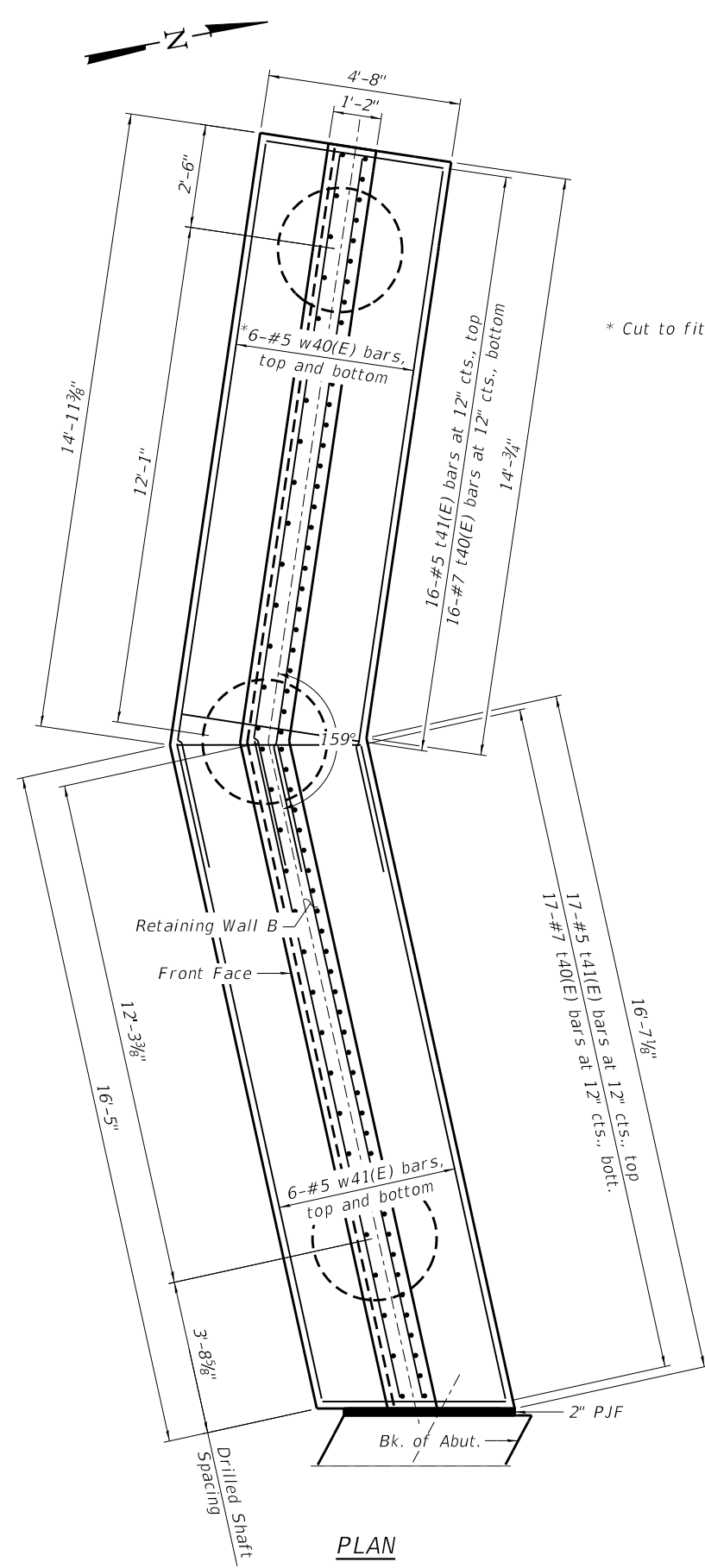
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT DETAILS
 STRUCTURE NO. 022-6749

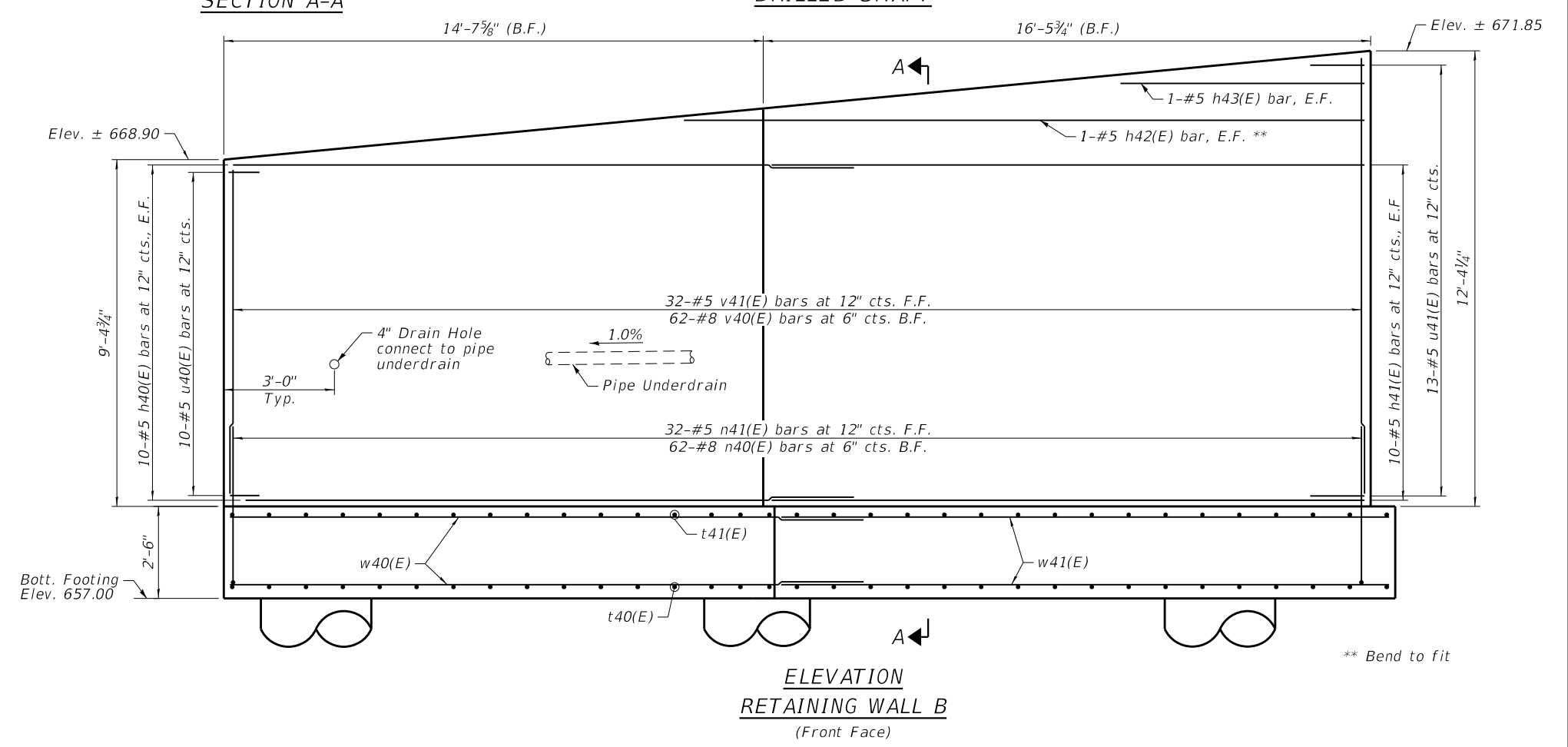
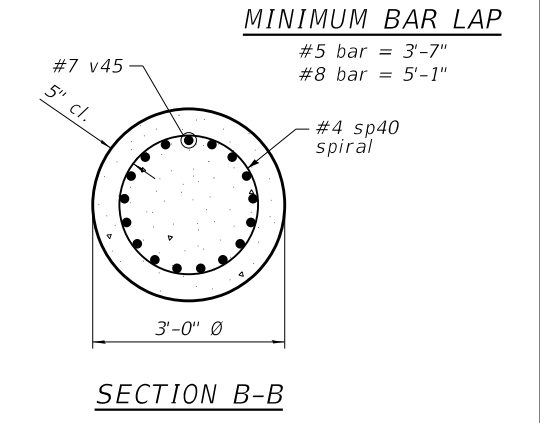
SHEET S-38 OF S-48 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	222
CONTRACT NO.			61G82	
ILLINOIS FED. AID PROJECT				

FILE NAME: N:\PROJ\020794-01\Design\Structural\CAD\020794-01_40-Northwest Retaining Wall Details.dgn



- NOTES:**
1. For the Bill of Material, see Sheet S-41.
 2. Non-special waste disposal for top 6" of excavation within the streambed required to erect Northwest Retaining Wall. See Bill of Material for quantity.
 3. Impervious backfill shall be placed and compacted to 6" below invert elevations as shown in the Plans and in accordance with Section 205 of Std. Specs. The backfill shall be sloped to drain towards the underdrain. Cost included with Structure Excavation.
 4. Weathered Rock estimated at Elev. 662.5 per Soil Boring B-1. Excavation below this elevation to bottom of footing estimated as Rock Excavation for Structures.

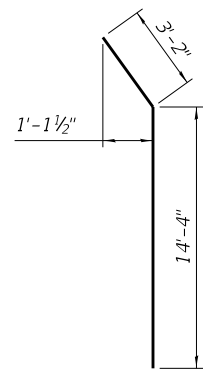


USER NAME = Structural	DESIGNED - MLK	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - BWS	REVISED -
PLOT DATE = 8/8/2022	DRAWN - SBA	REVISED -
	CHECKED - BWS	REVISED -

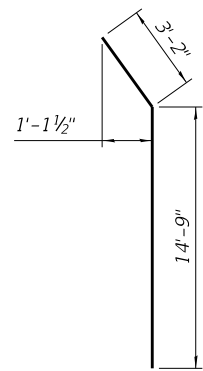
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTHWEST RETAINING WALL "B" DETAILS I
STRUCTURE NO. 022-6749

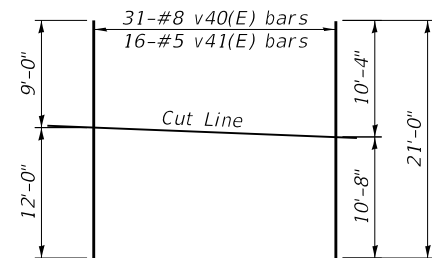
F.A.U. RTE. 2552	SECTION 16-00167-00-BR	COUNTY DUPAGE	TOTAL SHEETS 261	SHEET NO. 224
CONTRACT NO. ILLINOIS FED. AID PROJECT			61G82	



BAR h40(E)

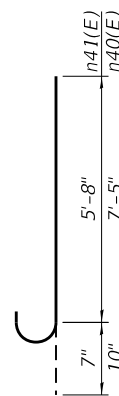


BAR w40(E)

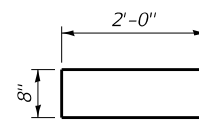


CUTTING DIAGRAM

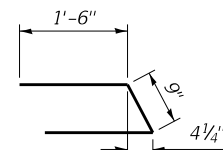
Order v40(E) and v41(E) bars full length.
Cut as shown in shop as necessary.



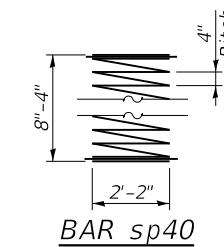
BARS n40(E)
& n41(E)



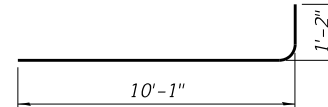
BAR u40(E)



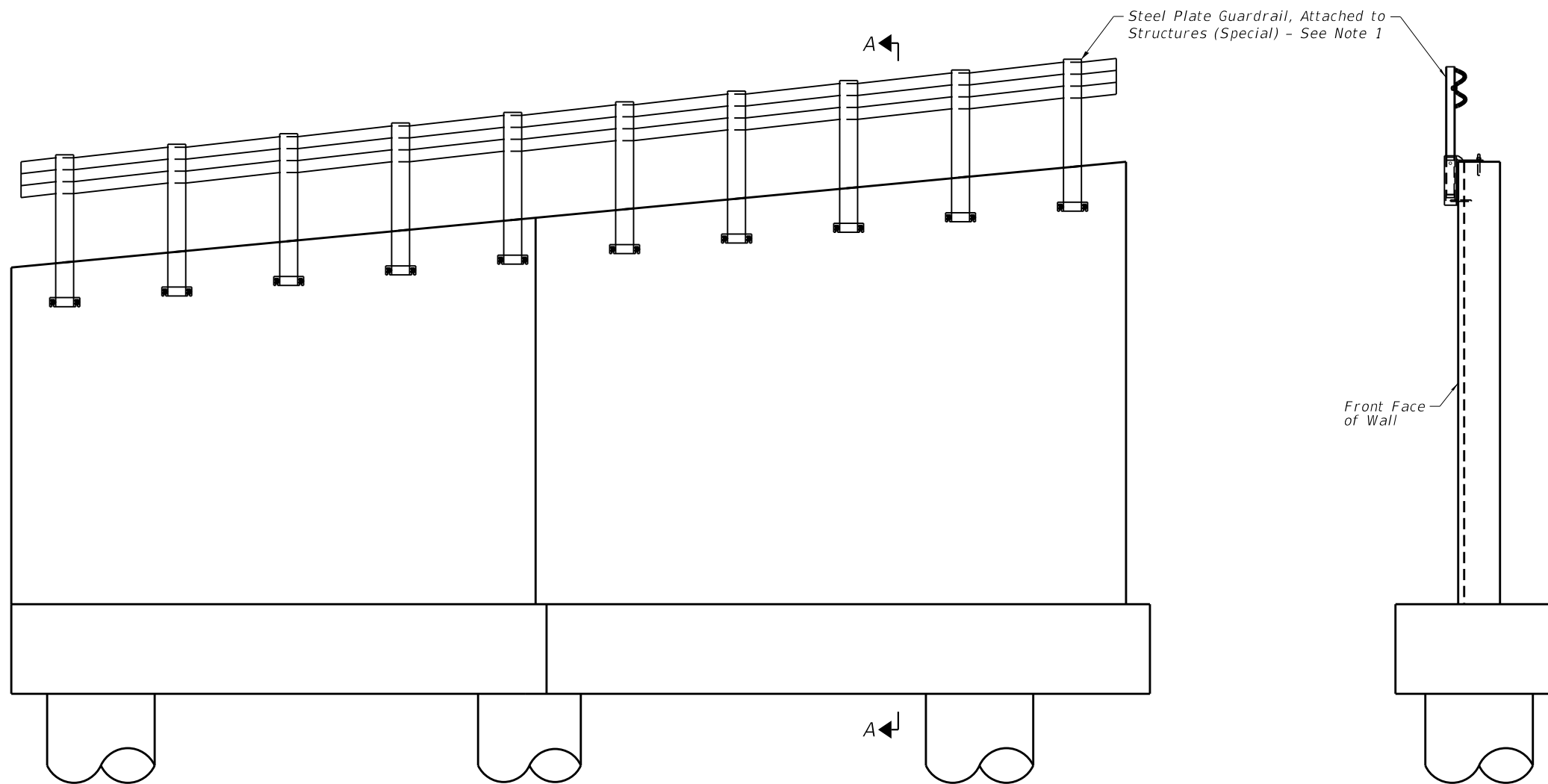
BAR u41(E)



BAR sp40



BAR v45



ELEVATION
RETAINING WALL B
(Front Face)

SECTION A-A

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h40(E)	20	#5	17'-6"	—
h41(E)	20	#5	16'-4"	—
h42(E)	2	#5	18'-6"	—
h43(E)	2	#5	8'-0"	—
n40(E)	62	#8	8'-3"	—
n41(E)	32	#5	6'-3"	—
t40(E)	33	#7	4'-4"	—
t41(E)	33	#5	4'-4"	—
†sp40	3	#4	8'-4"	⋈
u40(E)	10	#5	4'-8"	—
u41(E)	13	#5	3'-9"	—
v40(E)	31	#8	21'-0"	—
v41(E)	16	#5	21'-0"	—
v45	51	#7	11'-3"	—
w40(E)	12	#5	17'-11"	—
w41(E)	12	#5	16'-3"	—

Structure Excavation	Cu Yd	100
Rock Excavation for Structures	Cu Yd	30
Concrete Structures	Cu Yd	34.2
Reinforcement Bars	Pound	1,500
Reinforcement Bars, Epoxy Coated	Pound	5,400
Drilled Shaft in Rock	Cu Yd	6.3
Granular Backfill For Structures	Cu Yd	45
Geocomposite Wall Drain	Sq Yd	23
Non-Special Waste Disposal	Cu. Yd.	5
Pipe Underdrain for Structures, 4"	Foot	28
Crosshole Sonic Logging Access Ducts	Foot	72
Crosshole Sonic Logging Testing	Each	1
Form Liner Textured Surface, Special	Sq Ft	339
Anti-Graffiti Coating	Sq Ft	339

†Length is height of spiral

NOTE:

1. For Steel Plate Guardrail, Attached to Structures (Special) see Roadway Plans.

FILE NAME: N:\PROJ\020794.01\Design\Structural\CAD\020794.01_41-Northwest Retaining Wall Details II.dgn



USER NAME =	Structural	DESIGNED -	MLK	REVISED -	
		CHECKED -	BWS	REVISED -	
PLOT SCALE =	0.1667' / in.	DRAWN -	SBA	REVISED -	
PLOT DATE =	8/8/2022	CHECKED -	BWS	REVISED -	

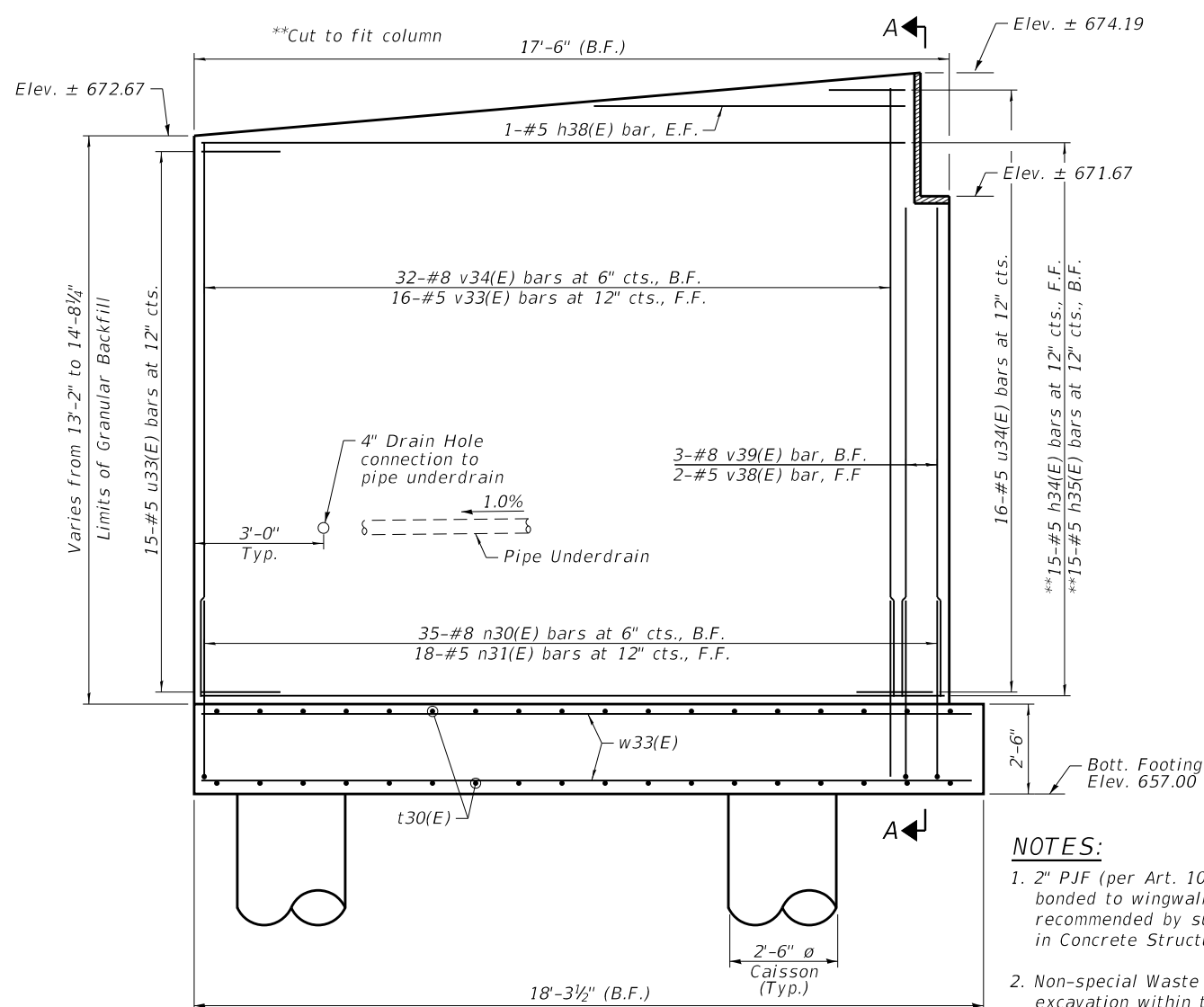
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTHWEST RETAINING WALL "B" DETAILS II
STRUCTURE NO. 022-6749

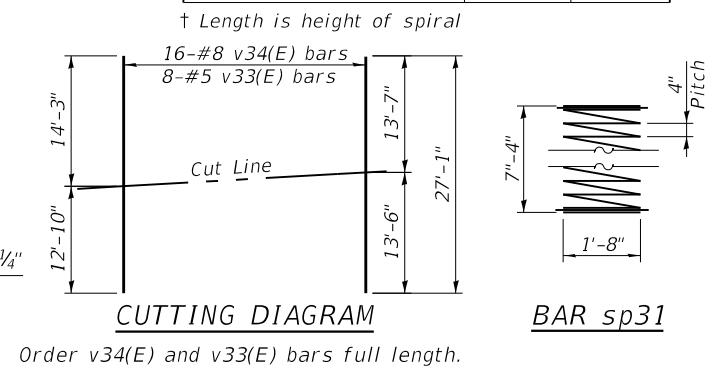
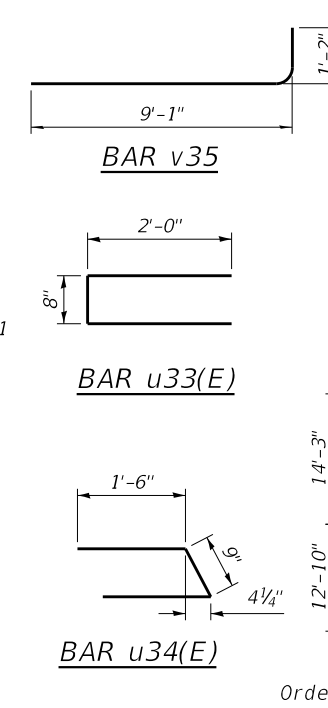
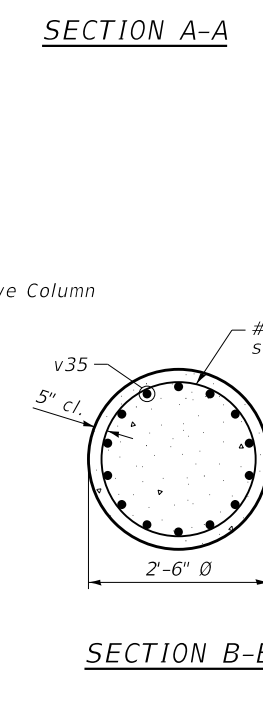
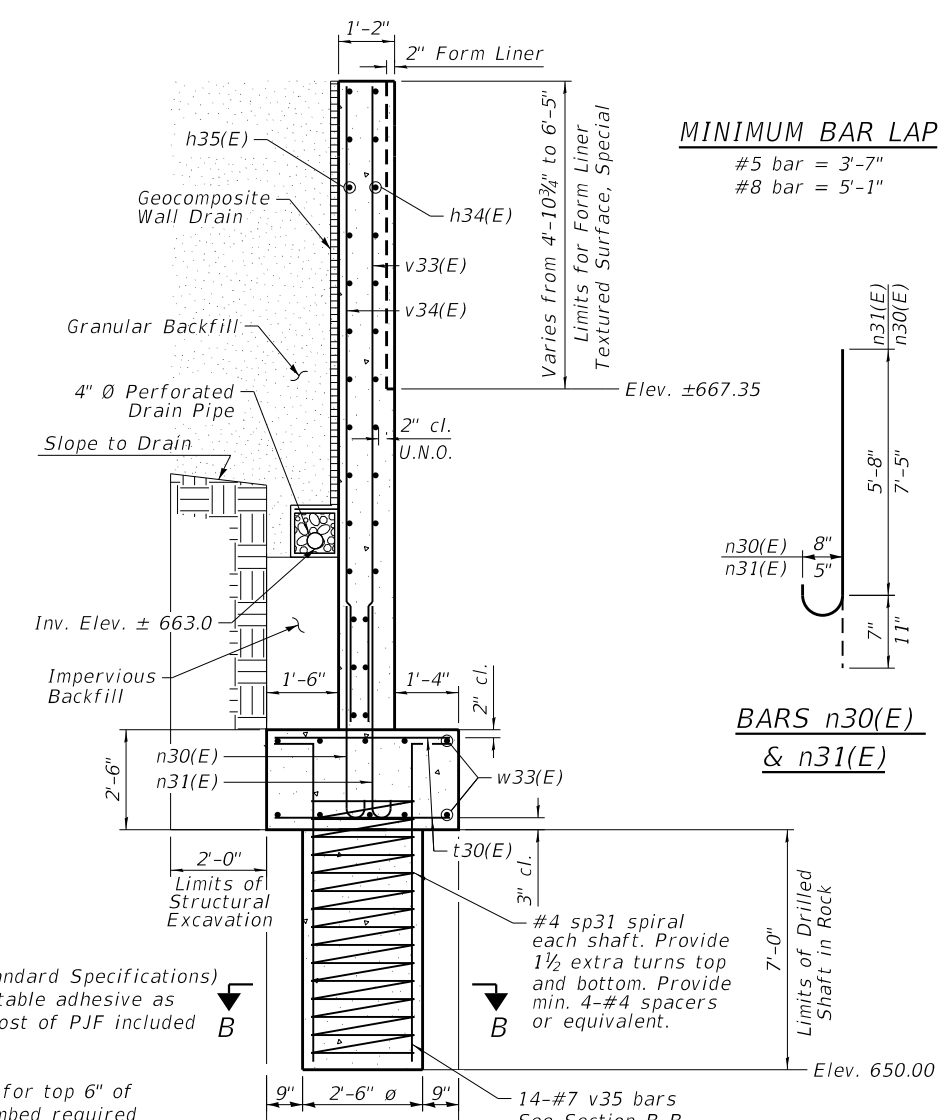
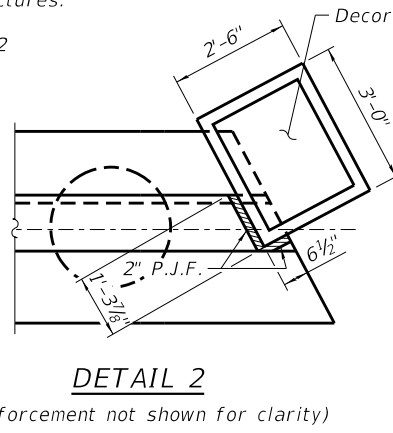
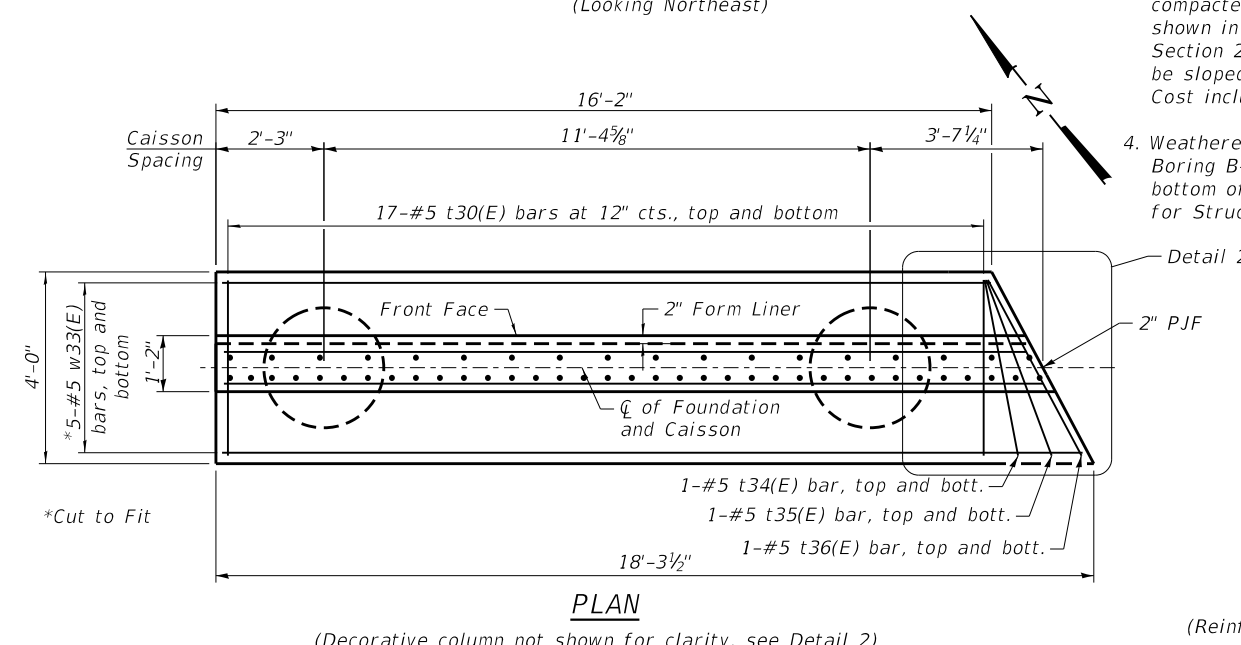
SHEET S-41 OF S-48 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	225
CONTRACT NO.			61G82	

ILLINOIS FED. AID PROJECT



- NOTES:**
- 2" PJF (per Art. 1051.09 Standard Specifications) bonded to wingwall with suitable adhesive as recommended by supplier. Cost of PJF included in Concrete Structures.
 - Non-special Waste Disposal for top 6" of excavation within the streambed required to erect Southwest Retaining Wall. See Bill of Material for quantity.
 - Impervious backfill shall be placed and compacted to 6" below invert elevations as shown in the Plans and in accordance with Section 205 of Std. Specs. The backfill shall be sloped to drain towards the underdrain. Cost included with Structure Excavation.
 - Weathered Rock estimated at Elev. 664.5 per Soil Boring B-3. Excavation below this elevation to bottom of footing estimated as Rock Excavation for Structures.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h34(E)	15	#5	16'-8"	—
h35(E)	15	#5	17'-2"	—
h38(E)	2	#5	8'-0"	—
n30(E)	35	#8	8'-4"	U
n31(E)	18	#5	6'-3"	U
t30(E)	34	#5	3'-8"	—
t34(E)	2	#5	3'-9"	—
t35(E)	2	#5	3'-11"	—
t36(E)	2	#5	4'-2"	—
†sp31	2	#4	7'-4"	W
u33(E)	15	#5	4'-8"	U
u34(E)	16	#5	3'-9"	U
v33(E)	8	#5	27'-1"	—
v34(E)	16	#8	27'-1"	—
v38(E)	2	#5	11'-8"	—
v39(E)	3	#8	11'-8"	—
v35	28	#7	10'-3"	—
w33(E)	10	#5	17'-11"	—

Structure Excavation	Cu Yd	56
Rock Excavation for Structures	Cu Yd	20
Concrete Structures	Cu Yd	17.9
Reinforcement Bars	Pound	750
Reinforcement Bars, Epoxy Coated	Pound	3,430
Drilled Shaft in Rock	Cu Yd	2.6
Granular Backfill For Structures	Cu Yd	45
Geocomposite Wall Drain	Sq Yd	28
Non-Special Waste Disposal	Cu. Yd.	3
Pipe Underdrain for Structures, 4"	#N/A	15
Crosshole Sonic Logging Access Ducts	Foot	42
Crosshole Sonic Logging Testing	Each	1
Form Liner Textured Surface, Special	Sq Ft	96

† Length is height of spiral

FILE NAME: N:\PROJ\020794-01\Design\Structural\CAD\020794-01_42-Southwest Retaining Wall Details.dgn



USER NAME =	Structural	DESIGNED -	MLK	REVISED -	
		CHECKED -	BWS	REVISED -	
PLOT SCALE =	0.1667' / in.	DRAWN -	SBA	REVISED -	
PLOT DATE =	8/8/2022	CHECKED -	BWS	REVISED -	

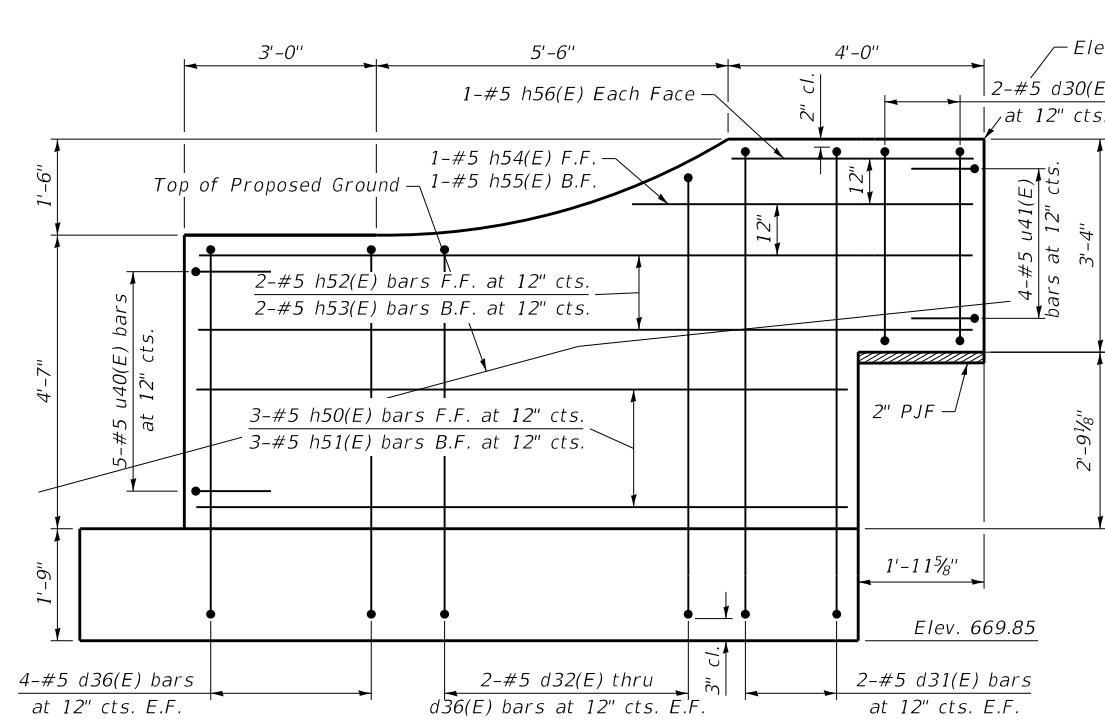
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTHWEST RETAINING WALL "C" DETAILS
STRUCTURE NO. 022-6749

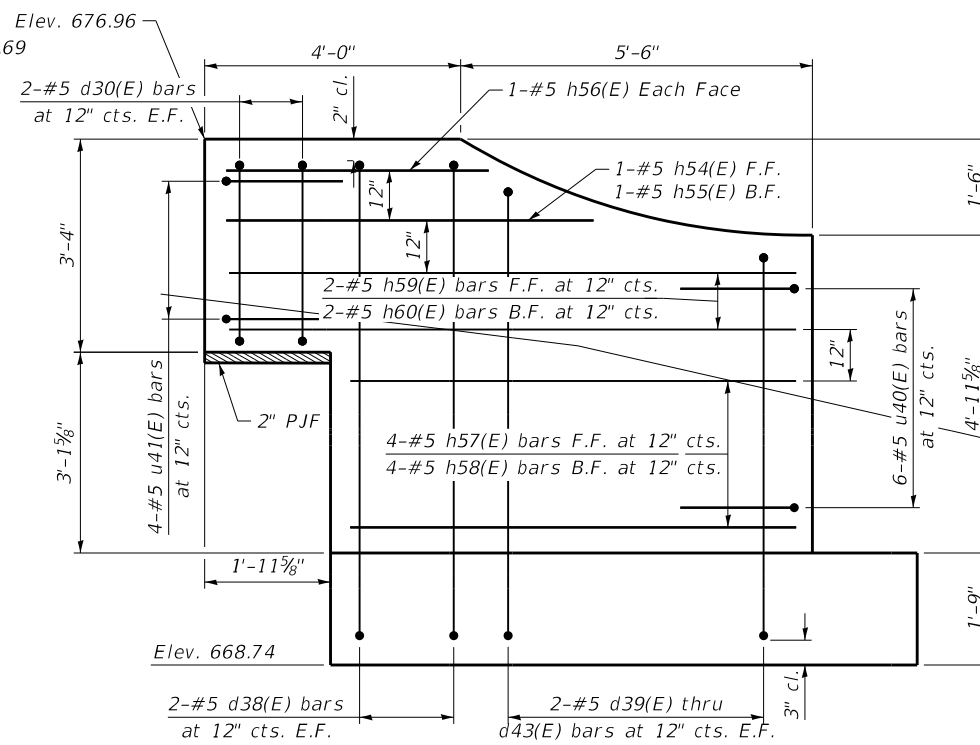
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	226
CONTRACT NO.			61G82	
ILLINOIS FED. AID PROJECT				

SHEET S-42 OF S-48 SHEETS

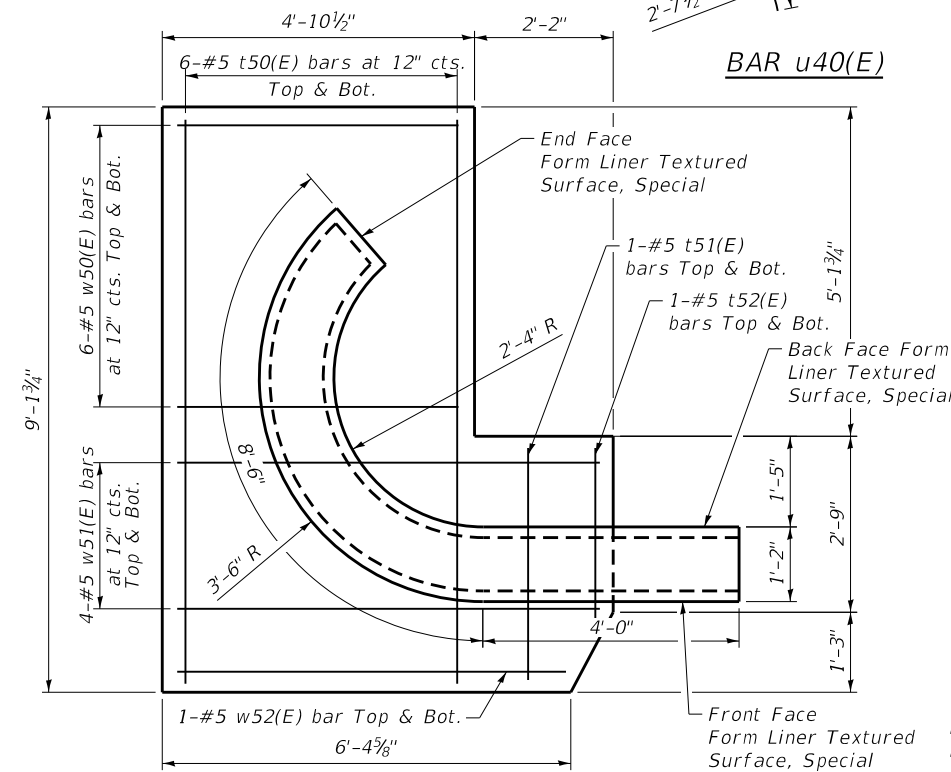
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**S.W. MONUMENT TYPE C
ELEVATION**
(Inside Face of Wall)
(Foundation Reinforcement
not shown for clarity)



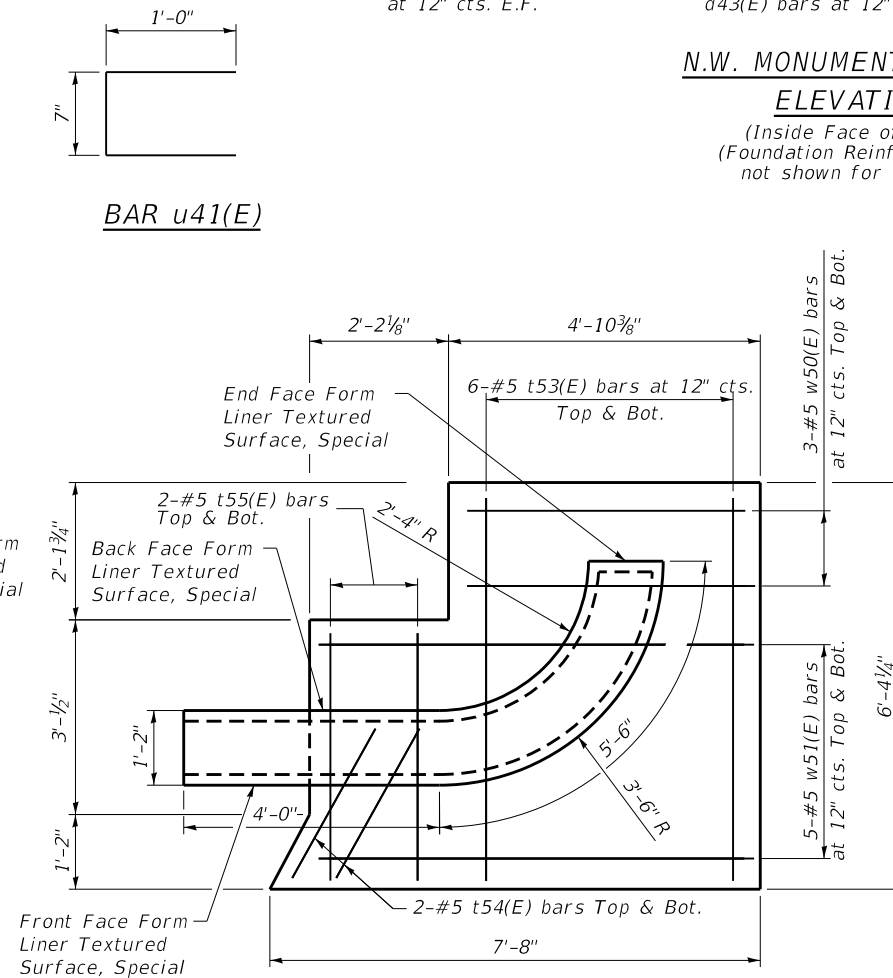
**N.W. MONUMENT TYPE C
ELEVATION**
(Inside Face of Wall)
(Foundation Reinforcement
not shown for clarity)



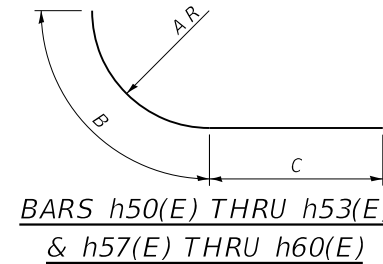
**S.W. MONUMENT TYPE C
PLAN**

NOTES:

1. Form Liner Texture Surface, Special to be applied on all exposed wall surfaces indicated in plan.
2. 2" PJF included with the Pay Item Concrete Structures.



**N.W. MONUMENT TYPE C
PLAN**



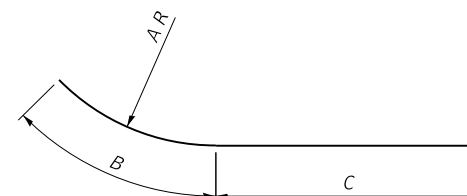
BAR	A	B	C
h50(E)	3'-2 1/2"	7'-6"	1'-10"
h51(E)	2'-7 1/2"	6'-1"	1'-10"
h52(E)	3'-2 1/2"	7'-6"	3'-10"
h53(E)	2'-7 1/2"	6'-1"	3'-10"
h57(E)	3'-2 1/2"	4'-6"	1'-10"
h58(E)	2'-7 1/2"	3'-1"	1'-10"
h59(E)	3'-2 1/2"	4'-6"	3'-10"
h60(E)	2'-7 1/2"	3'-1"	3'-10"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d30(E)	8	#5	4'-2"	□
d31(E)	4	#5	8'-6"	□
d32(E)	2	#5	8'-4"	□
d33(E)	2	#5	7'-11"	□
d34(E)	2	#5	7'-6"	□
d35(E)	2	#5	7'-3"	□
d36(E)	10	#5	7'-0"	□
d38(E)	4	#5	8'-11"	□
d39(E)	2	#5	8'-9"	□
d40(E)	2	#5	8'-3"	□
d41(E)	2	#5	7'-11"	□
d42(E)	2	#5	7'-8"	□
d43(E)	2	#5	7'-5"	□
h50(E)	3	#5	6'-4"	⌋
h51(E)	3	#5	4'-11"	⌋
h52(E)	2	#5	8'-4"	⌋
h53(E)	2	#5	6'-11"	⌋
h54(E)	2	#5	6'-5"	⌋
h55(E)	2	#5	5'-11"	⌋
h56(E)	4	#5	3'-10"	⌋
h57(E)	4	#5	6'-4"	⌋
h58(E)	4	#5	4'-11"	⌋
h59(E)	2	#5	8'-4"	⌋
h60(E)	2	#5	6'-11"	⌋
t50(E)	12	#5	8'-9"	▬
t51(E)	2	#5	3'-8"	▬
t52(E)	2	#5	2'-8"	▬
t53(E)	12	#5	9'-0"	▬
t54(E)	4	#5	6'-11"	▬
t55(E)	4	#5	3'-9"	▬
u40(E)	11	#5	2'-7"	⌋
u41(E)	8	#5	2'-7"	⌋
w50(E)	18	#5	4'-6"	▬
w51(E)	18	#5	6'-8"	▬
w52(E)	2	#5	6'-2"	▬
Structure Excavation*		Cu. Yd.		22
Protective Coat*		Sq. Yd.		26
Concrete Structures*		Cu. Yd.		12.6
Reinforcement Bars, Epoxy Coated*		Pound		1,050
Non-Special Waste Disposal*		Cu. Yd.		4
Form Liner Textured Surface (Special)*		Sq. Ft.		233

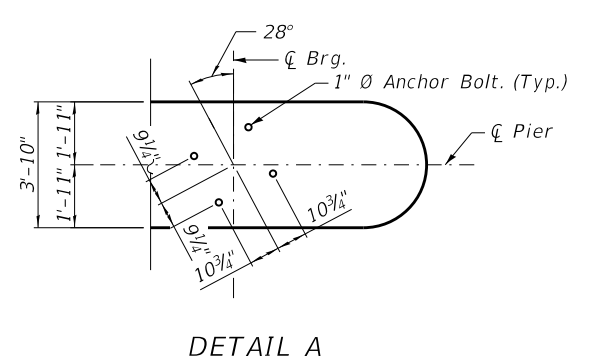
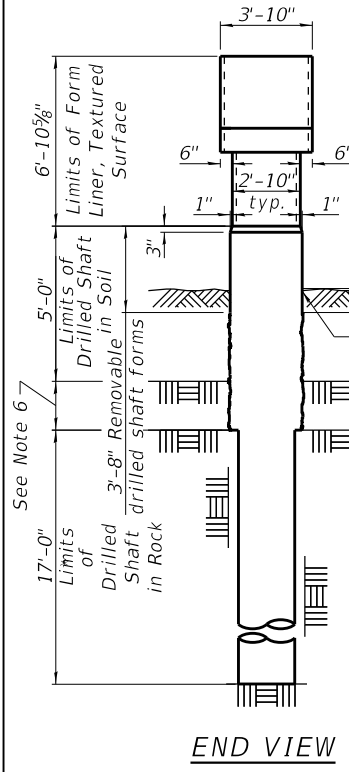
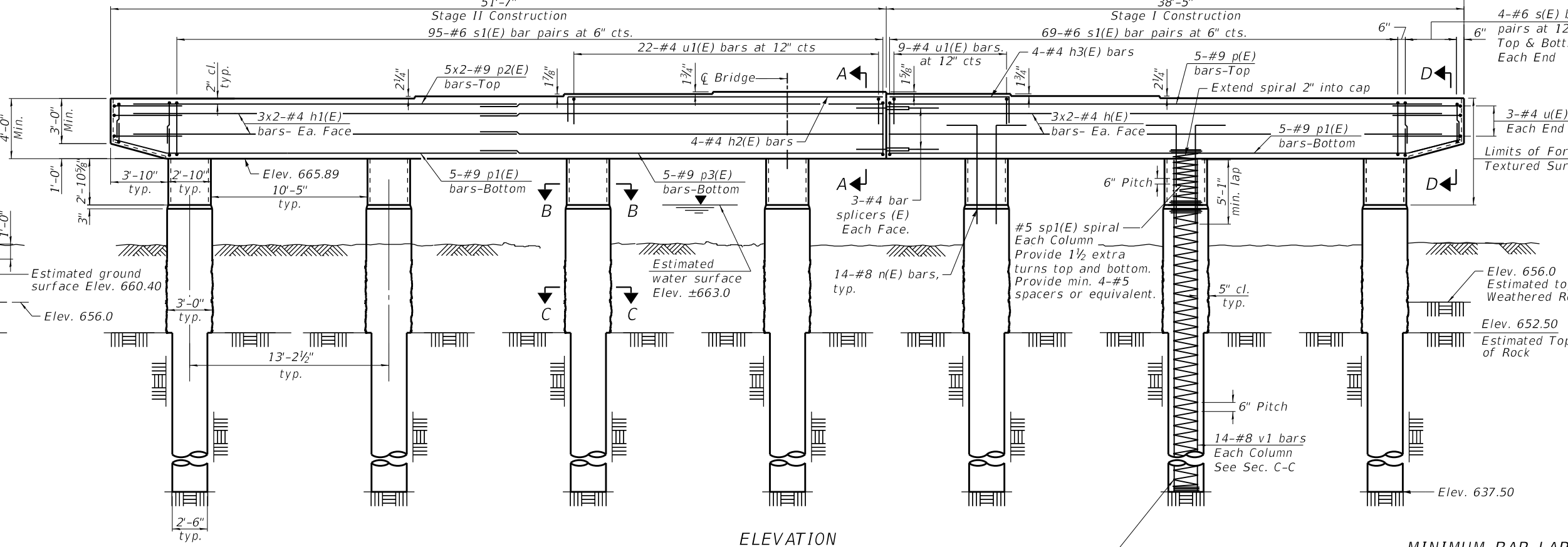
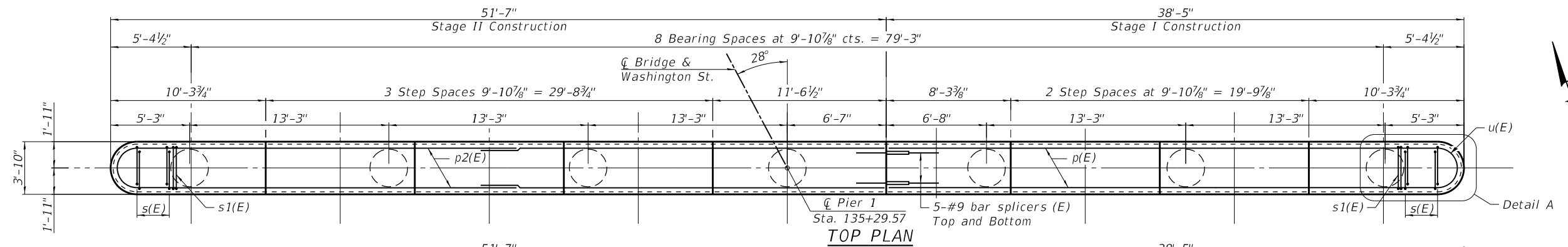
BARS d30(E) THRU d43(E)

BAR	A	BAR	A
d30(E)	3'-0"	d38(E)	7'-9"
d31(E)	7'-4"	d39(E)	7'-7"
d32(E)	7'-2"	d40(E)	7'-1"
d33(E)	6'-9"	d41(E)	6'-9"
d34(E)	6'-4"	d42(E)	6'-6"
d35(E)	6'-1"	d43(E)	6'-3"
d36(E)	5'-10"		



BARS h54(E) & h55(E)

BAR	A	B	C
h54(E)	3'-2 1/2"	2'-7"	3'-10"
h55(E)	2'-7 1/2"	2'-1"	3'-10"



* If the prevailing water surface elevation during construction is consistently different than estimated on the plans, the contractor may propose an adjustment to the top of the drilled shaft elevation as part of their installation procedure. The top of all drilled shafts within a substructure unit shall be constructed to the same elevation and extend above the prevailing water surface. The quantities and reinforcement detailing are based on the top of shaft and the estimated elevations shown and may change based on the actual elevations encountered at each shaft and the final top of shaft Elevation.

#5 sp spiral
Each Shaft
Provide 1 1/2 extra turns top and bottom.
Provide min. 4-#5 spacers or equivalent.

BEARING STEP ELEVATION

Brg. No.	Step Elevation
1	669.89
2	669.89
3	670.07
4	670.23
5	670.37
6	670.24
7	670.09
8	669.91
9	669.91

NOTES:

- Form Liner, Textured Surface shall be applied to full height of columns noted on plans and all side and end faces of pier cap.
- Non-special Waste Disposal for 6" top excavation within the streambed required to construct Pier. See Bill of Material for quantity.
- Removable drilled shaft forms are included with pay item Drilled Shaft in Soil.
- For Section A-A, Section B-B, Section C-C, Section D-D and Bill of Materials see Sheet S-45.
- If a portion of the drilled shaft web walls or concrete encasement is under water, reinforcement may be placed underwater into forms. Concrete shall be tremied according to Article 503.08 of the Standard Specifications to an elevation of 1'-0" above the water line at the time of construction.
- Estimated top of Weathered Rock is at Elev. 656.0 per soil Boring B-2. Rock Socket shall begin at solid bedrock which is estimated to be at Elev. 652.50. Payment for Drilled Shaft in Rock shall extend to top of Weathered Rock.

FILE NAME: N:\PROJ\1020794-01\Design\Structural\CAD\020794_01_44-Pier_Details.dgn



USER NAME = Structural	DESIGNED - MLK	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - BWS	REVISED -
PLOT DATE = 8/8/2022	DRAWN - SBA	REVISED -
	CHECKED - BWS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER DETAILS I
STRUCTURE NO. 022-6749

SHEET S-44 OF S-48 SHEETS

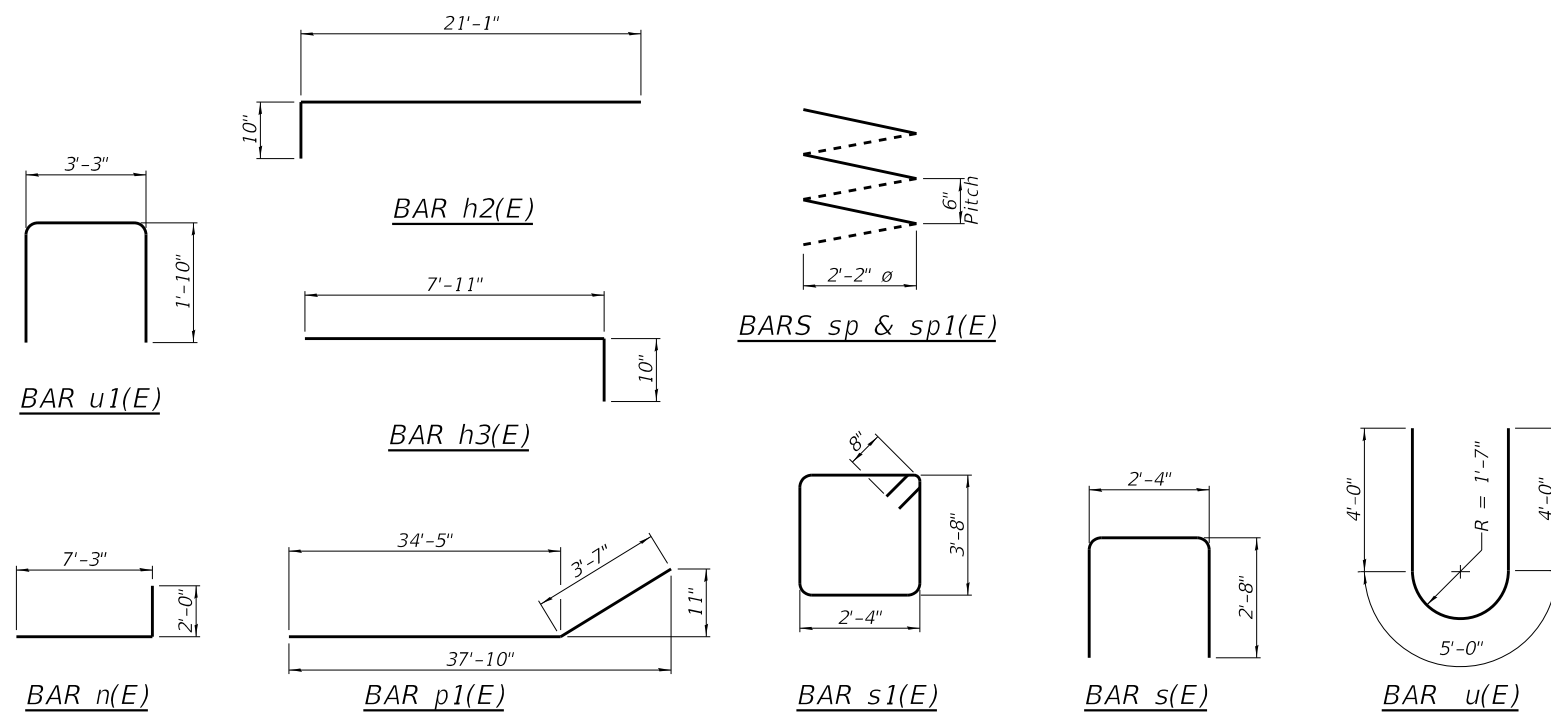
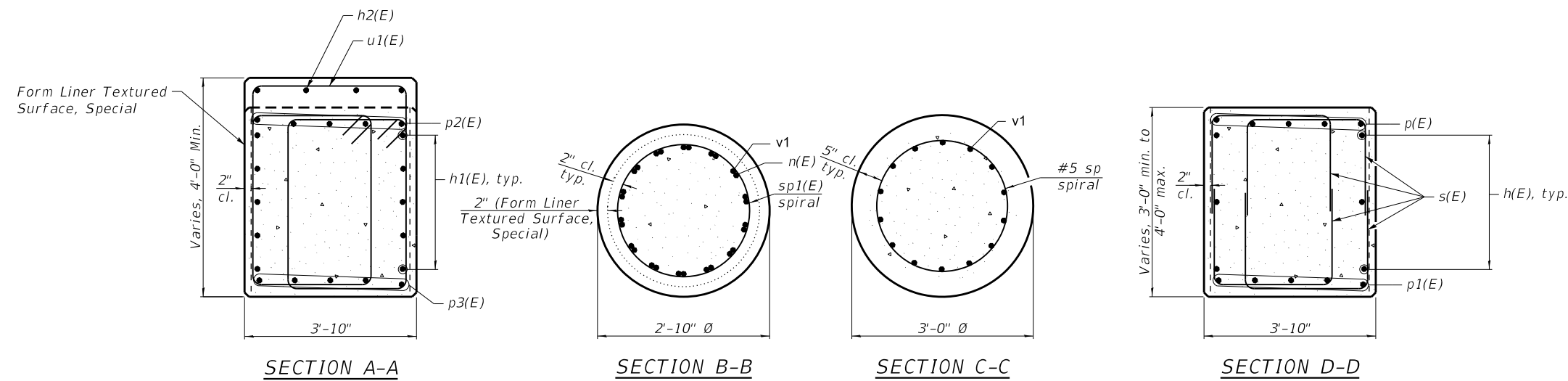
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2552	16-00167-00-BR	DUPAGE	261	228
CONTRACT NO.			61G82	
ILLINOIS FED. AID PROJECT				

PIER BILL OF MATERIAL

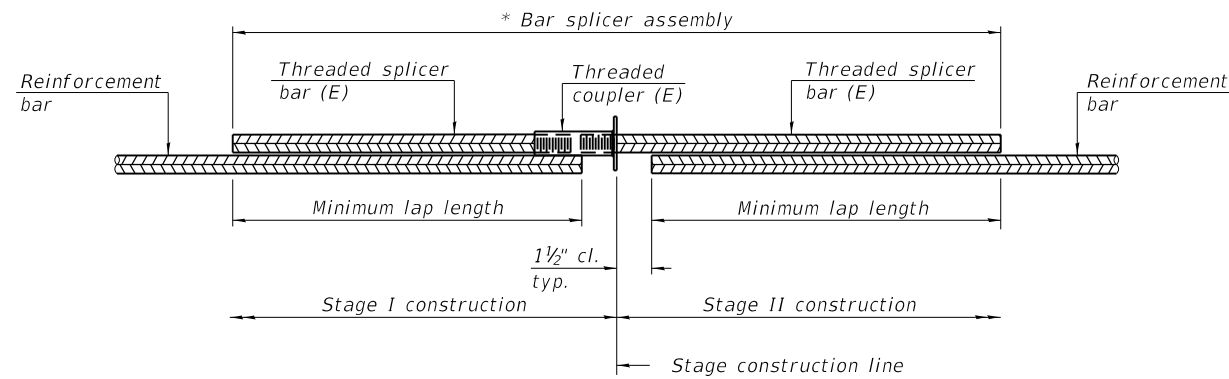
Bar	No.	Size	Length	Shape
h(E)	12	#4	19'-8"	—
h1(E)	12	#4	26'-3"	—
h2(E)	4	#4	21'-11"	—
h3(E)	4	#4	8'-9"	—
n(E)	98	#8	9'-3"	—
p(E)	5	#9	36'-4"	—
p1(E)	10	#9	38'-0"	—
p2(E)	10	#9	28'-4"	—
p3(E)	5	#9	20'-3"	—
s(E)	26	#6	7'-8"	⊔
s1(E)	328	#6	13'-4"	⊔
†sp	7	#5	25'-6"	⋈
†sp1(E)	7	#5	2'-10"	⋈
u(E)	6	#4	13'-0"	⊔
u1(E)	31	#4	6'-11"	⊔
v1	98	#8	28'-5"	—

Concrete Structures	Cu. Yd.	57.4
Reinforcement Bars	Pound	2,700
Reinforcement Bars, Epoxy Coated	Pound	13,510
Drilled Shaft in Soil	Cu. Yd.	12.4
Drilled Shaft in Rock	Cu. Yd.	23.6
Concrete Sealer	Sq. Ft.	345.0
Non-Special Waste Disposal	Cu. Yd.	5
Crosshole Sonic Logging Access Ducts	Foot	530
Crosshole Sonic Logging Testing	Each	2
Anti-Graffiti Coating	Sq. Ft.	713
Form Liner Textured Surface, Special	Sq. Ft.	935

†Length is height of spiral



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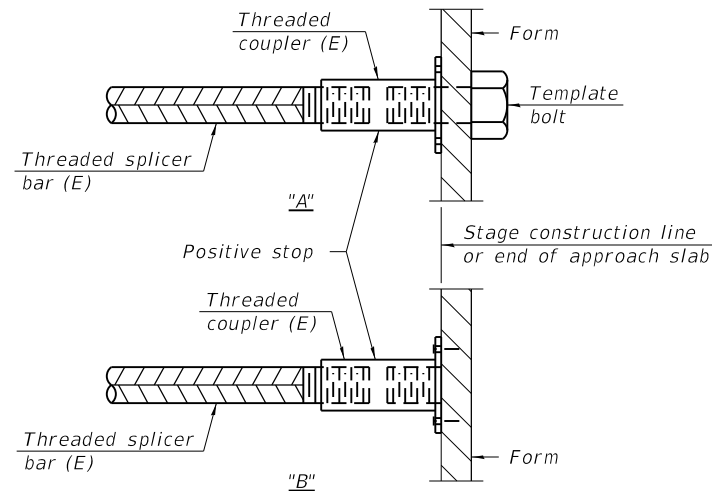
STANDARD BAR SPLICER ASSEMBLY PLAN

(All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar Size	No. Assemblies Required	Min. Lap Length
S. ABUT FOOT	#8	10	5'-9"
S. ABUT	#5	92	3'-7"
S. ABUT BRG. SEAT	#4	3	2'-11"
S. ABUT BACKWALL	#5	4	3'-7"
S. ABUT. CLOSURE POUR	#6	7	3'-0"
PIER CAP (TOP & BOT.)	#4	6	2'-11"
PIER CAP (SIDE)	#9	10	7'-1"
N. ABUT. FOOT	#8	10	5'-9"
N. ABUT	#5	92	3'-7"
N. ABUT BRG. SEAT	#4	3	2'-11"
N. ABUT BACKWALL	#5	4	3'-7"
N. ABUT. CLOSURE POUR	#6	7	3'-0"
S APP FTG	#5	40	3'-4"
N APP FTG	#5	40	3'-4"
DECK (TOP)	#5	88	2'-6"
DECK (TOP)	#8	22	4'-0"
DECK (BOT.)	#5	196	2'-6"
S APP SLAB	#5	46	3'-4"
S APP SLAB	#8	60	4'-9"
N APP SLAB	#5	46	3'-4"
N APP SLAB	#8	60	4'-9"

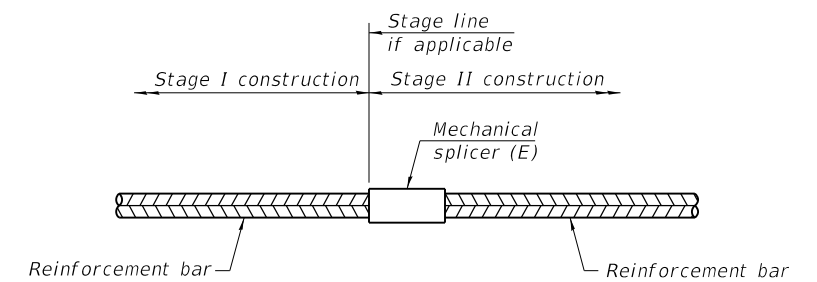


INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.

"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar Size	No. Assemblies Required
Superstr. at S. Abut	#6	18
Superstr. at Pier	#8	20
Superstr. at N. Abut.	#6	18

NOTES:

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

1-1-2020



USER NAME = Structural	DESIGNED - MLK	REVISED -
	CHECKED - BWS	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - SBA	REVISED -
PLOT DATE = 8/8/2022	CHECKED - BWS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY DETAILS
STRUCTURE NO. 022-6749

SHEET S-46 OF S-48 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	230
CONTRACT NO.			61G82	
ILLINOIS		FED. AID PROJECT		

FILE NAME: N:\PROJ\020794.01\Design\Structural\CAD\020794.01_46-Bar Splicer Installation Details.dgn

BORING LOG NO. B-1										Page 1 of 2	
PROJECT: Washington Street Bridge Replacement					CLIENT: Alfred Benesch & Co Naperville, IL						
SITE: S. Washington St. & E. Chicago Ave. Naperville, IL											
DEPTH (FT.)	ELEVATION (FT.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	SAMPLE NUMBER	LABORATORY TORVANGHP (pcf)	STRENGTH TEST TEST TYPE	COMPRESSIVE STRENGTH (psi)	STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)
0.3	672.5+/-										
0.9	672+/-										
1.5	671.5+/-										
2.1	671+/-										
2.7	670.5+/-										
3.3	670+/-										
3.9	669.5+/-										
4.5	669+/-										
5.1	668.5+/-										
5.7	668+/-										
6.3	667.5+/-										
6.9	667+/-										
7.5	666.5+/-										
8.1	666+/-										
8.7	665.5+/-										
9.3	665+/-										
9.9	664.5+/-										
10.5	664+/-										
11.1	663.5+/-										
11.7	663+/-										
12.3	662.5+/-										
12.9	662+/-										
13.5	661.5+/-										
14.1	661+/-										
14.7	660.5+/-										
15.3	660+/-										
15.9	659.5+/-										
16.5	659+/-										
17.1	658.5+/-										
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19.5	656.5+/-										
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20.7	655.5+/-										
21.3	655+/-										
21.9	654.5+/-										
22.5	654+/-										
23.1	653.5+/-										
23.7	653+/-										
24.3	652.5+/-										
24.9	652+/-										
25.5	651.5+/-										

BORING LOG NO. B-1										Page 2 of 2	
PROJECT: Washington Street Bridge Replacement					CLIENT: Alfred Benesch & Co Naperville, IL						
SITE: S. Washington St. & E. Chicago Ave. Naperville, IL											
DEPTH (FT.)	ELEVATION (FT.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	SAMPLE NUMBER	LABORATORY TORVANGHP (pcf)	STRENGTH TEST TEST TYPE	COMPRESSIVE STRENGTH (psi)	STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)
26.1	651+/-										
26.7	650.5+/-										
27.3	650+/-										
27.9	649.5+/-										
28.5	649+/-										
29.1	648.5+/-										
29.7	648+/-										
30.3	647.5+/-										
30.9	647+/-										
31.5	646.5+/-										
32.1	646+/-										
32.7	645.5+/-										
33.3	645+/-										
33.9	644.5+/-										
34.5	644+/-										
35.1	643.5+/-										
35.7	643+/-										
36.3	642.5+/-										
36.9	642+/-										
37.5	641.5+/-										
38.1	641+/-										
38.7	640.5+/-										
39.3	640+/-										
39.9	639.5+/-										
40.5	639+/-										
41.1	638.5+/-										
41.7	638+/-										
42.3	637.5+/-										
42.9	637+/-										
43.5	636.5+/-										
44.1	636+/-										
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49.5	631.5+/-										
50.1	631+/-										
50.7	630.5+/-										
51.3	630+/-										
51.9	629.5+/-										
52.5	629+/-										
53.1	628.5+/-										
53.7	628+/-										
54.3	627.5+/-										
54.9	627+/-										
55.5	626.5+/-										
56.1	626+/-										
56.7	625.5+/-										
57.3	625+/-										
57.9	624.5+/-										
58.5	624+/-										
59.1	623.5+/-										
59.7	623+/-										
60.3	622.5+/-										
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85.5	601.5+/-										
86.1	601+/-										
86.7	600.5+/-										
87.3	600+/-										
87.9	599.5+/-										
88.5	599+/-										
89.1	598.5+/-										

BORING LOG NO. B-2										Page 2 of 2
PROJECT: Washington Street Bridge Replacement					CLIENT: Alfred Benesch & Co Naperville, IL					
SITE: S. Washington St. & E. Chicago Ave. Naperville, IL										
GRAPHIC LOG	LOCATION	DEPTH (FT.)	ELEVATION (FT.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	SAMPLE NUMBER	LABORATORY TORVANGHP (ref)	STRENGTH TEST	
	See Exhibit A-2 Latitude: 41.77066031° Longitude: -88.14828408° Approximate Surface Elev: 672.7 (FL) +/-									
		28.3	644.5+/-				RUN2			
	LIMESTONE gray, Run 2: Recovery = 77 inches (100%); RQD = 7% (continued)									
		Boring Terminated at 28.25 Feet								
Stratification lines are approximate. In-situ, the transition may be gradual. Hammer Type: Automatic										
Advancement Method: Mud rotary diamond bit coring		See Exhibit A-2 for description of field procedures See Appendix B for description of laboratory procedures and additional data (if any).			Notes:					
Abandonment Method: Boring grouted upon completion		See Appendix C for explanation of symbols and abbreviations.								
WATER LEVEL OBSERVATIONS		Terracon			Boring Started: 4/28/2017		Boring Completed: 4/28/2017			
10.25', during drilling		135 Ambassador Dr Naperville, IL			Drill Rig: B-57		Driller: STRATA-Baker			
		Project No.: MR175127			Exhibit: A-4					

BORING LOG NO. B-3										Page 1 of 1
PROJECT: Washington Street Bridge Replacement					CLIENT: Alfred Benesch & Co Naperville, IL					
SITE: S. Washington St. & E. Chicago Ave. Naperville, IL										
GRAPHIC LOG	LOCATION	DEPTH (FT.)	ELEVATION (FT.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	FIELD TEST RESULTS	SAMPLE NUMBER	LABORATORY TORVANGHP (ref)	STRENGTH TEST	
	See Exhibit A-2 Latitude: 41.77096078° Longitude: -88.14818429° Approximate Surface Elev: 672.7 (FL) +/-									
		0.3	672.5+/-							
	ASPHALT, Approximately 3"									
	CONCRETE, Approximately 9"									
	FILL - SAND AND GRAVEL, trace clay, dark gray to gray, medium dense to very dense, moist					10-9-8 N=17	1		5	
						4-8-50/3" N=58/9"	2		5	
	FILL - LEAN CLAY WITH SAND AND GRAVEL, dark brown to brown, stiff					2-4-10 N=14	3	1.00 (HP)	32	
						11- (HP) 19-19 N=38	4	1.75 (HP)	12	
	LIMESTONE brown and gray, Driller's Note: Apparent limestone bedrock, highly weathered and fractured						4A		6	
						24-50/2" N=50/2"	4		9	
	LIMESTONE gray, Run 1: Recovery = 37 inches (41%); RQD = 14%									
		Boring Terminated at 20 Feet								
Stratification lines are approximate. In-situ, the transition may be gradual. Hammer Type: Automatic										
Advancement Method: Mud rotary diamond bit coring		See Exhibit A-2 for description of field procedures See Appendix B for description of laboratory procedures and additional data (if any).			Notes:					
Abandonment Method: Boring grouted upon completion		See Appendix C for explanation of symbols and abbreviations.								
WATER LEVEL OBSERVATIONS		Terracon			Boring Started: 4/24/2017		Boring Completed: 4/24/2017			
12.5', during drilling		135 Ambassador Dr Naperville, IL			Drill Rig: D-50		Driller: STRATA-Komen			
		Project No.: MR175127			Exhibit: A-5					

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PLOT DATE =	8/8/2022	DRAWN -	SBA	REVISED -	
		CHECKED -	BWS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS II
STRUCTURE NO. 022-6749

SHEET S-48 OF S-48 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	232
CONTRACT NO.			61G82	
ILLINOIS		FED. AID PROJECT		

EX C AURORA AVENUE

PR C WASHINGTON STREET

EX C WASHINGTON STREET

POINT	STATION	OFFSET	SIDE	ELEVATION
A	132+15.61	29.72	RT	671.36
B	132+15.61	31.31	RT	671.35
C	132+09.63	30.58	RT	671.77
D	132+15.62	34.20	RT	671.39
E	132+09.59	34.33	RT	671.81
F	132+09.53	40.11	RT	671.90
G	132+15.63	39.98	RT	671.46
H	132+21.73	39.82	RT	671.37
I	132+30.82	41.16	RT	671.30
J	132+32.43	41.35	RT	671.31
K	132+29.16	33.71	RT	671.27
L	132+21.70	34.04	RT	671.30
M	132+21.69	32.04	RT	671.27
N	132+21.69	30.45	RT	671.28

AC	132+86.66	42.04	RT	671.20
AD	132+92.77	41.82	RT	671.40
AE	132+98.87	41.58	RT	671.46
AF	133+14.12	40.92	RT	671.72
AG	133+19.20	40.68	RT	671.78
AH	133+18.80	32.69	RT	671.66
AI	133+13.74	32.93	RT	671.64
AJ	132+98.54	33.59	RT	671.38
AK	132+92.46	33.83	RT	671.32
AL	132+86.37	34.05	RT	671.08
AM	132+79.44	35.32	RT	671.09

132

33

133

WASHINGTON STREET

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (TYP)

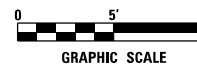
DETECTABLE WARNING (TYP)

PR MANHOLE (TYP)

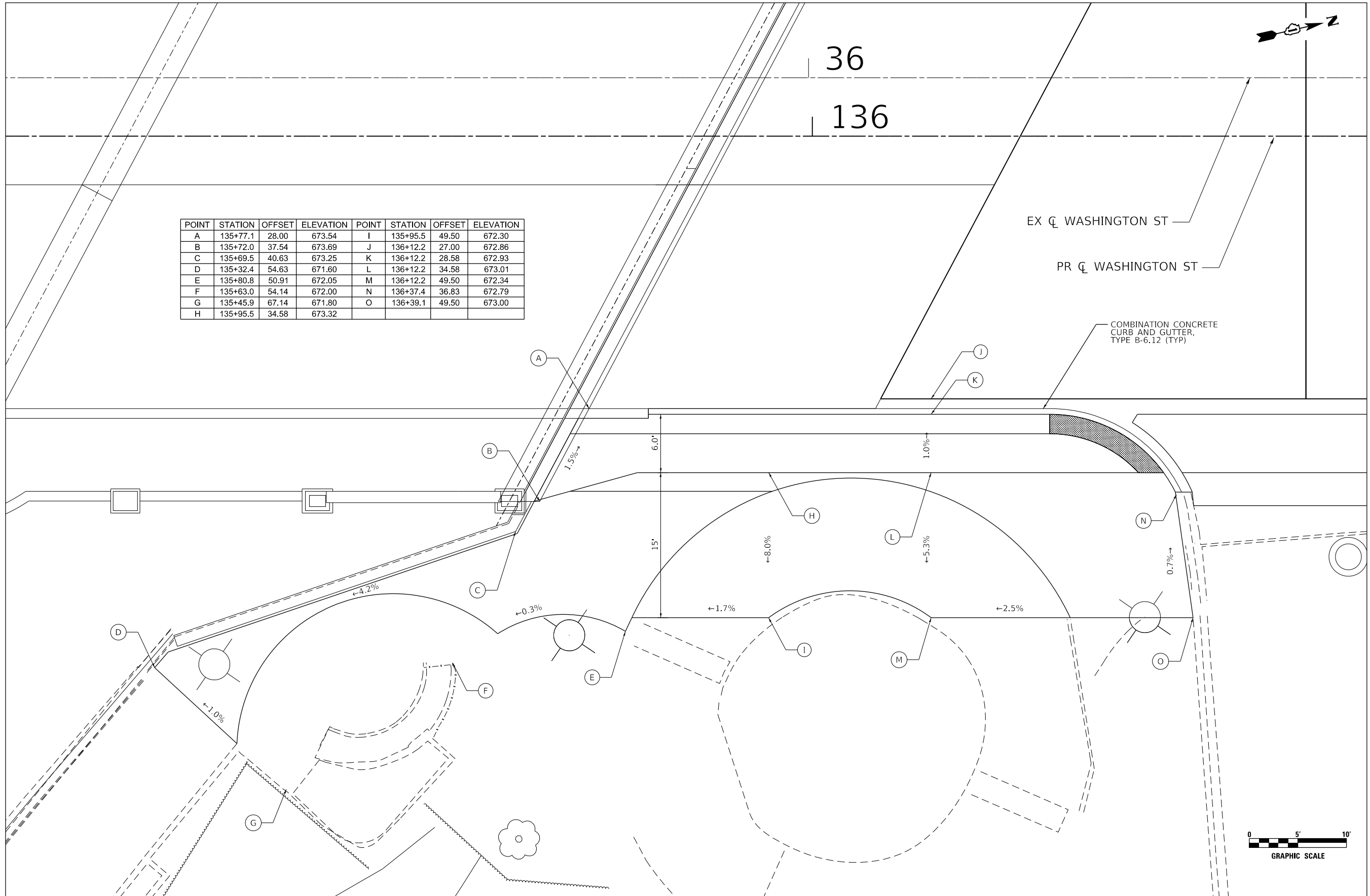
PR INLET (TYP)

PR CATCH BASIN (TYP)

CONCRETE CURB, TYPE B



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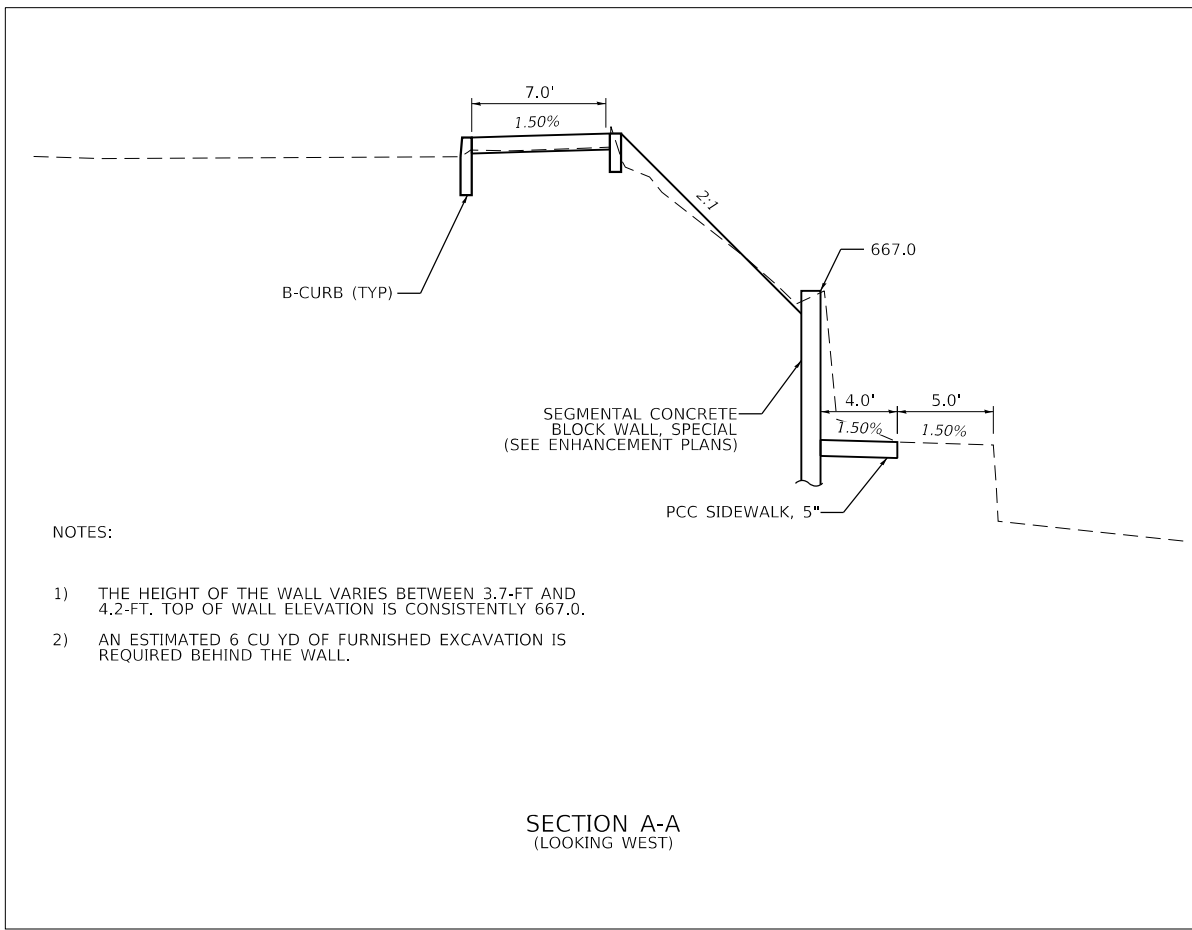


POINT	STATION	OFFSET	ELEVATION	POINT	STATION	OFFSET	ELEVATION
A	135+77.1	28.00	673.54	I	135+95.5	49.50	672.30
B	135+72.0	37.54	673.69	J	136+12.2	27.00	672.86
C	135+69.5	40.63	673.25	K	136+12.2	28.58	672.93
D	135+32.4	54.63	671.60	L	136+12.2	34.58	673.01
E	135+80.8	50.91	672.05	M	136+12.2	49.50	672.34
F	135+63.0	54.14	672.00	N	136+37.4	36.83	672.79
G	135+45.9	67.14	671.80	O	136+39.1	49.50	673.00
H	135+95.5	34.58	673.32				

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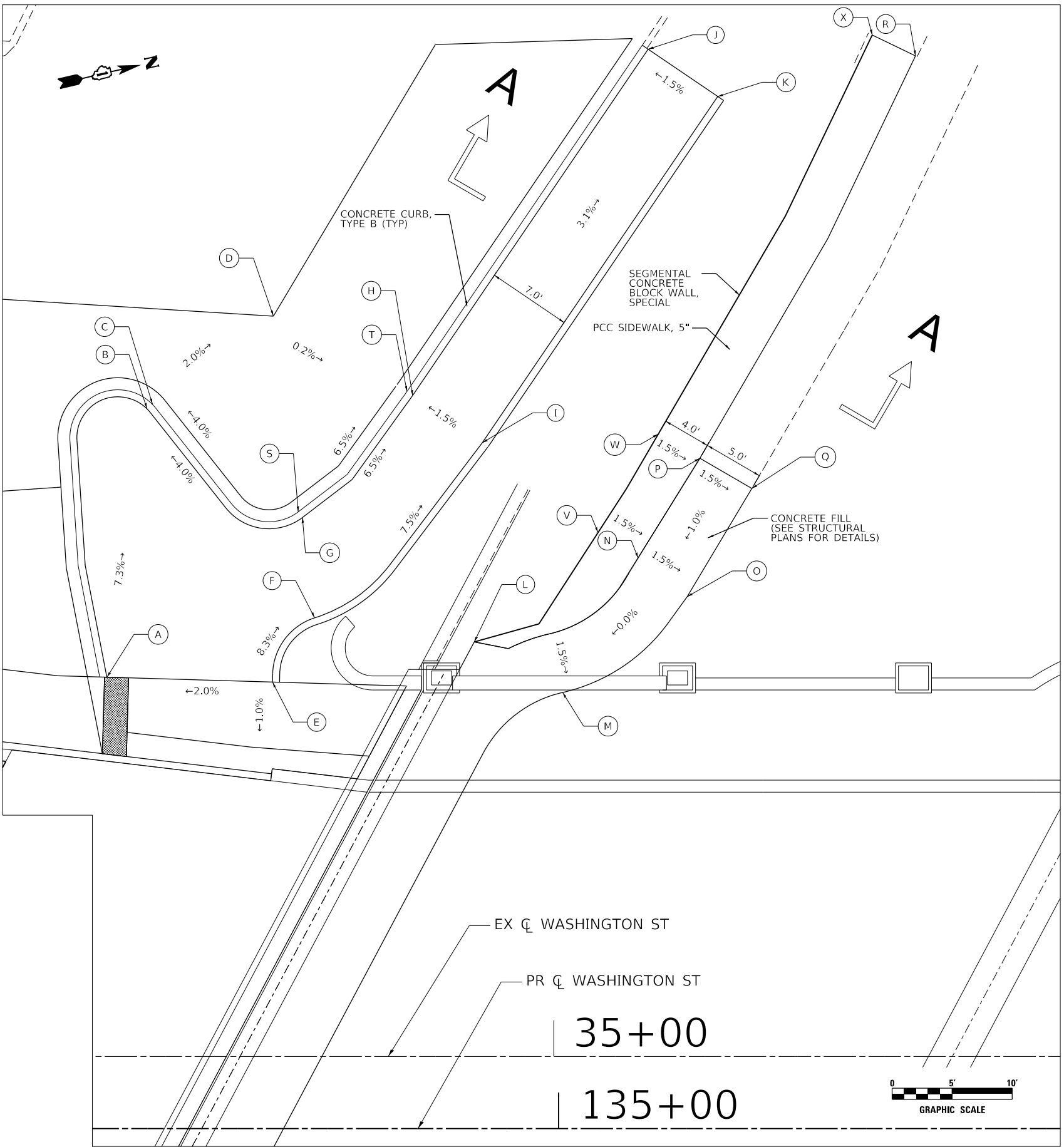
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	235
CONTRACT NO. 61G82				
ILLINOIS FED. AID PROJECT				



NOTES:

- 1) THE HEIGHT OF THE WALL VARIES BETWEEN 3.7-FT AND 4.2-FT. TOP OF WALL ELEVATION IS CONSISTENTLY 667.0.
- 2) AN ESTIMATED 6 CU YD OF FURNISHED EXCAVATION IS REQUIRED BEHIND THE WALL.

SECTION A-A
(LOOKING WEST)



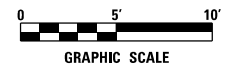
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A	134+62.4	37.56	673.22	M	135+00.3	36.30	662.80
B	134+65.8	59.93	671.60	N	135+06.6	47.20	662.88
C	134+66.2	60.29	671.10	O	135+10.7	44.27	662.80
D	134+76.7	67.61	670.88	P	135+11.8	55.79	662.98
E	134+76.2	37.16	673.50	Q	135+16.1	53.27	662.90
F	134+79.7	42.50	672.94	R	135+29.7	89.27	663.37
G	134+78.7	50.86	672.22	S	134+78.3	51.32	671.72
H	134+87.9	61.01	671.33	T	134+87.4	61.34	670.85
I	134+93.7	57.07	671.44	U	134+87.4	61.34	672.44
J	135+07.5	89.83	670.26	V	135+03.3	49.60	662.94
K	135+13.3	85.89	670.37	W	135+08.3	57.80	663.04
L	134+93.0	40.50	662.91	X	13526.09	91.00	663.44

EX \bar{C} WASHINGTON ST

PR \bar{C} WASHINGTON ST

35+00

135+00



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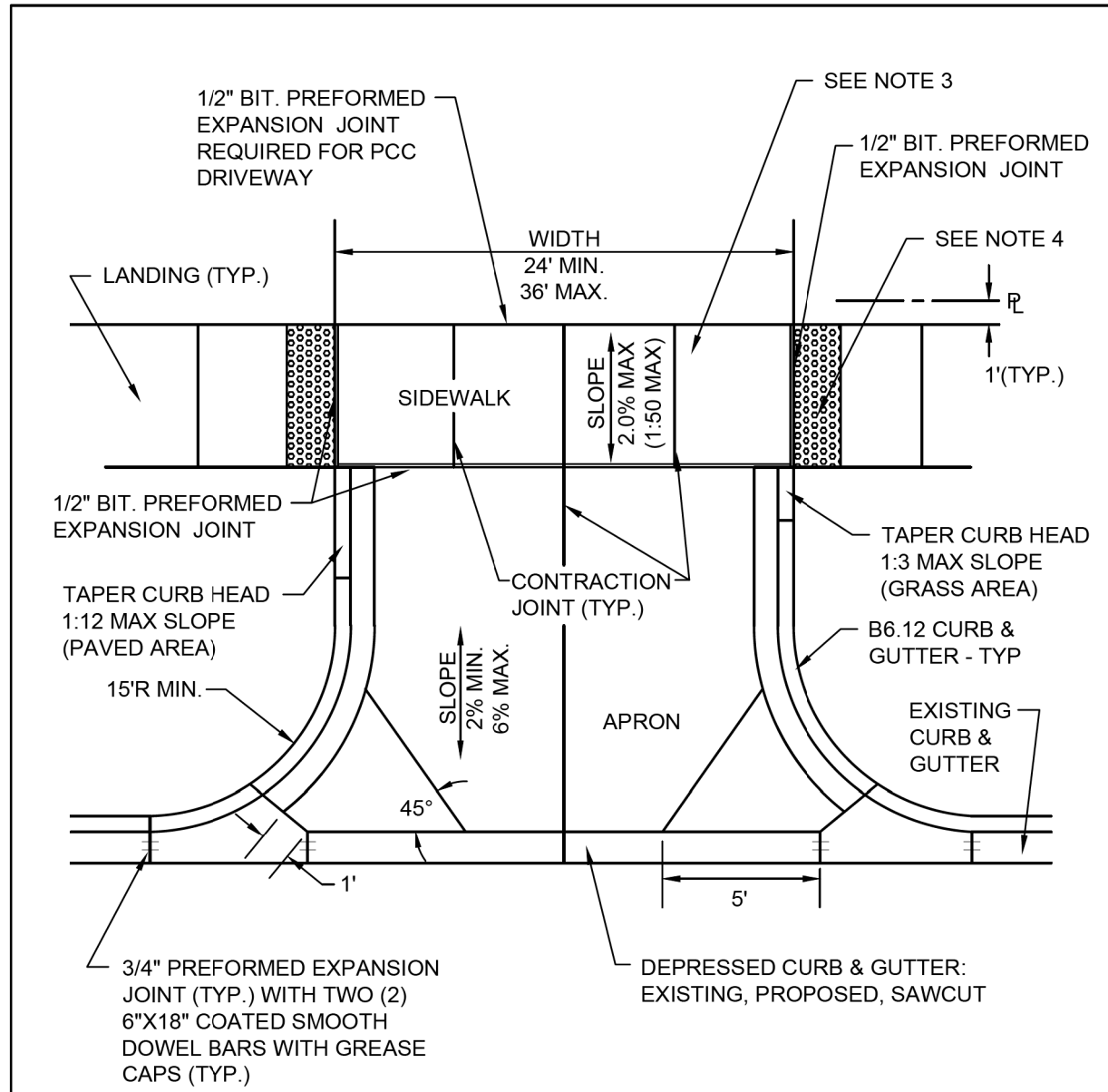
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	DATE - 8/8/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET BRIDGE
RIVERWALK GRADING DETAIL

SCALE: 1" = 5' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 2552	SECTION 16-00167-00-BR	COUNTY DUPAGE	TOTAL SHEETS 261	SHEET NO. 237
CONTRACT NO. 61G82				
ILLINOIS FED. AID PROJECT				



NOTES:

1. ALL AGGREGATE SUB BASE SHALL BE MECHANICALLY COMPACTED.
2. SIDEWALK SHALL CONTINUE THROUGH DRIVEWAYS.
3. SIDEWALK THICKNESS ACROSS DRIVEWAYS SHALL BE A MINIMUM OF 8" PCC ON 4" AGGREGATE SUB BASE.
4. EXPANSION JOINT MATERIAL MUST MATCH THE FULL DEPTH OF THE PAVEMENT.
5. DETECTABLE WARNINGS SHALL ONLY BE INSTALLED AT DRIVEWAYS WITH PERMANENT TRAFFIC CONTROL DEVICES.
6. SIDEWALK CONSTRUCTION SHALL FOLLOW APPLICABLE IDOT STANDARDS.
7. SIDEWALKS SHALL FOLLOW CURRENT ADA GUIDELINES.

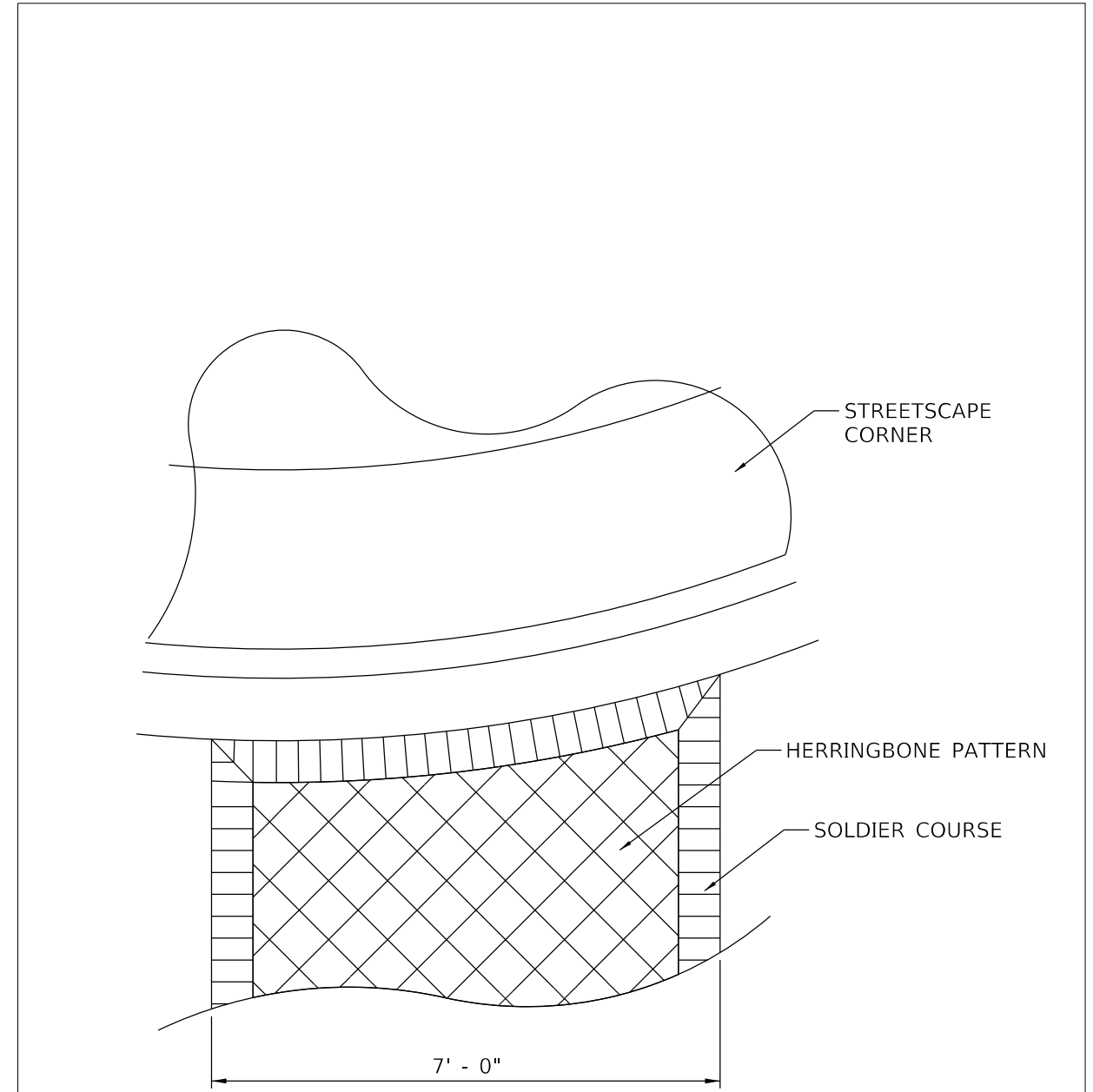


City of Naperville
**STANDARD
DETAIL**

**TYPICAL COMMERCIAL
DRIVEWAY DETAIL**

REVISED: 08/01/2018 SHEET 1 OF 1

PAVEMENT 5
590.05



NOTE: STAMPED ASPHALT (BRICKPRINT) CROSSWALKS HAVE SAME PAVEMENT CROSS SECTION AS NON-STAMPED ASPHALT PAVEMENT

**BRICKPRINT
CROSSWALK DETAIL**

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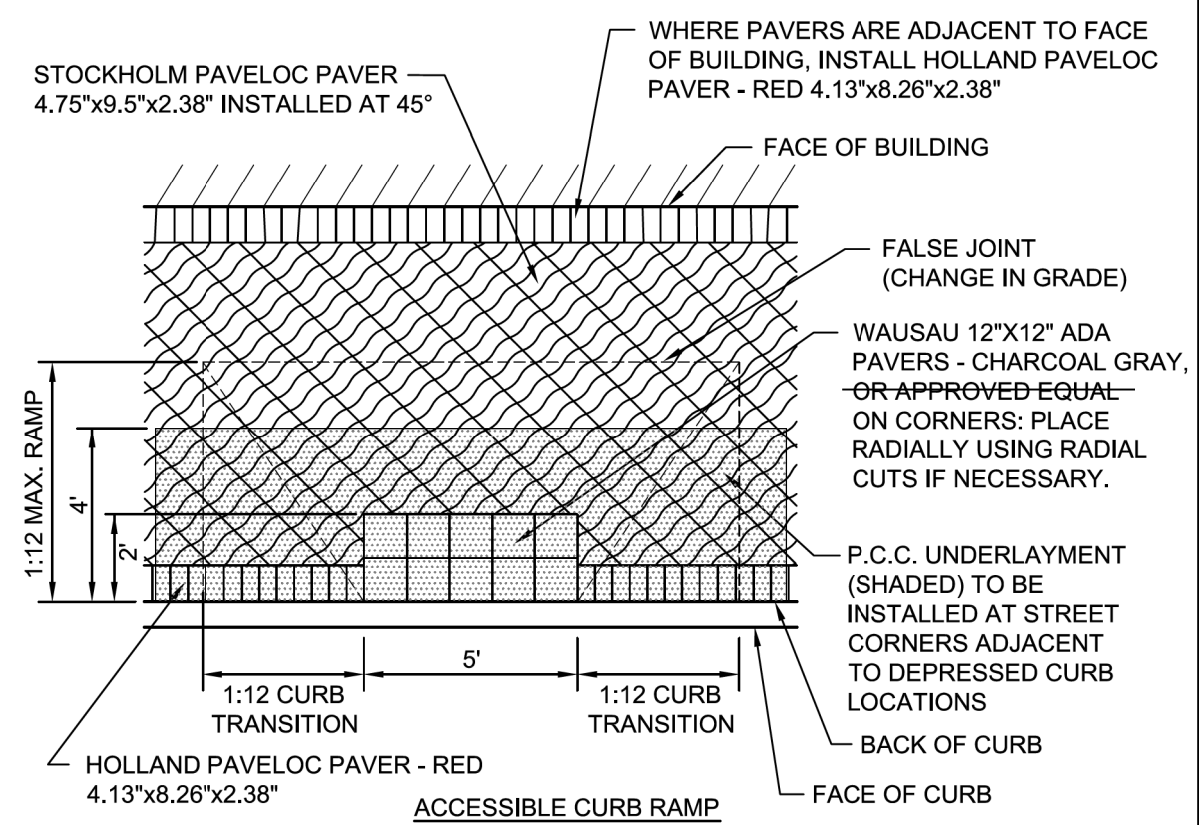
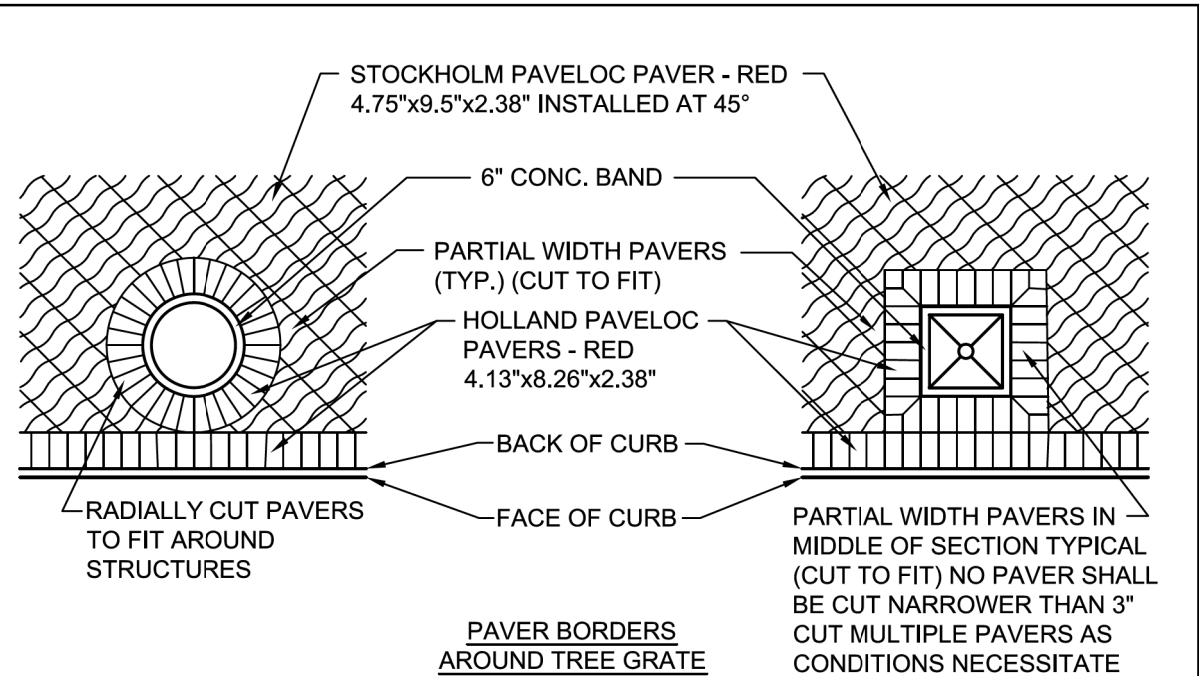
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DRAWN - VZ	REVISED -
CHECKED - DD	REVISED -
DATE - 8/8/2022	REVISED -

DESIGNED - TBH	REVISED -
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DATE - 8/8/2022	REVISED -

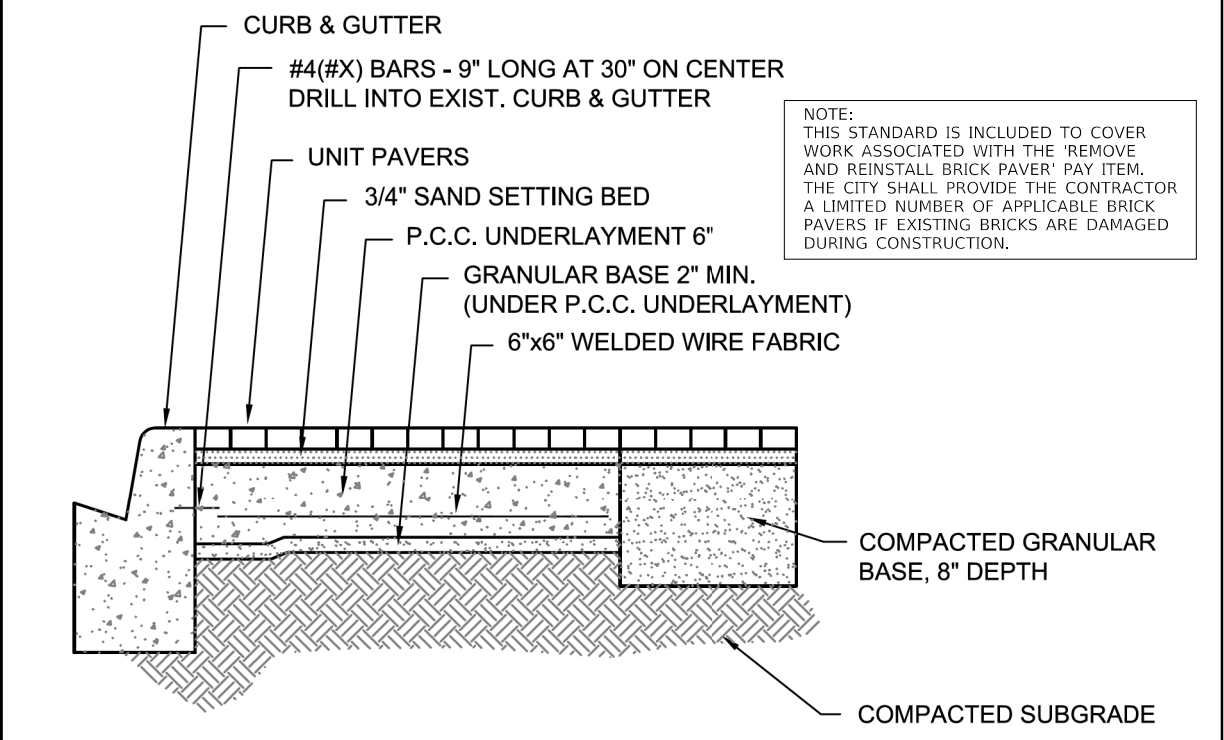
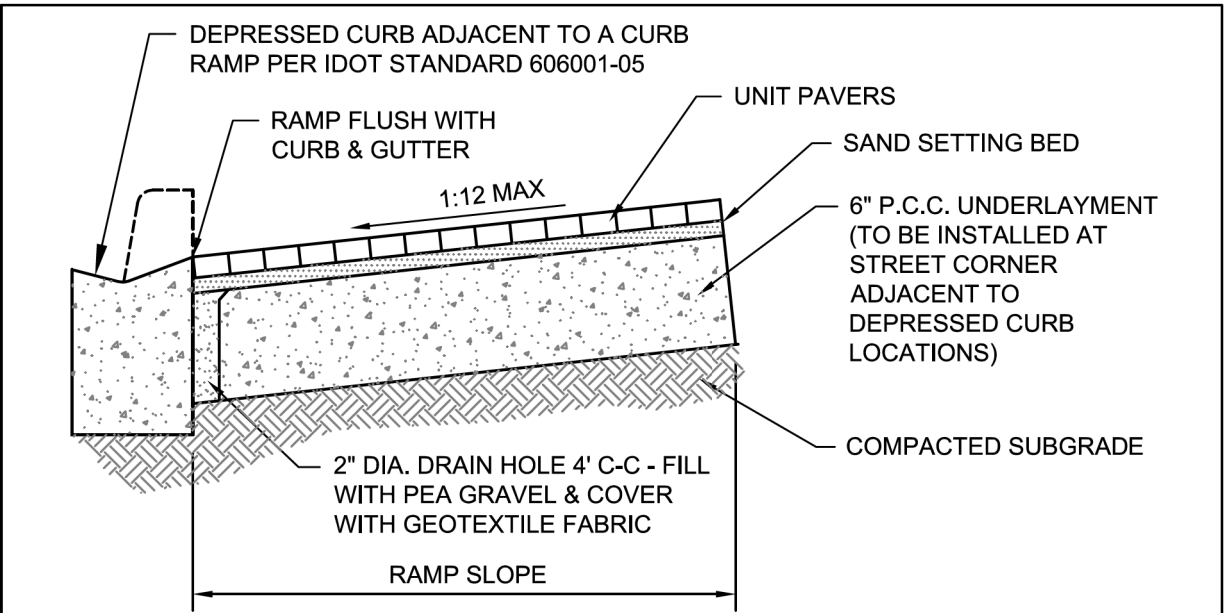
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL COMMERCIAL DRIVEWAY AND BRICKPRINT CROSSWALK			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	238
590.05		CONTRACT NO. 61G82		
ILLINOIS FED. AID PROJECT				



City of Naperville STANDARD DETAIL	DOWNTOWN STREETSCAPE PAVEMENT SECTION		PAVEMENT 14
	REVISED: 06/14/2013	SHEET 1 OF 2	590.14



NOTE:
THIS STANDARD IS INCLUDED TO COVER WORK ASSOCIATED WITH THE 'REMOVE AND REINSTALL BRICK PAVER' PAY ITEM. THE CITY SHALL PROVIDE THE CONTRACTOR A LIMITED NUMBER OF APPLICABLE BRICK PAVERS IF EXISTING BRICKS ARE DAMAGED DURING CONSTRUCTION.

NOTE:
AT HANDICAP CURB RAMPS, CURBS WILL BE DEPRESSED.

City of Naperville STANDARD DETAIL	DOWNTOWN STREETSCAPE PAVEMENT SECTION		PAVEMENT 14
	REVISED: 06/14/2013	SHEET 2 OF 2	590.14

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PLOT DATE = 8/8/2022	CHECKED - DD	REVISED -
	DATE - 8/8/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DOWNTOWN STREETSCAPE PAVEMENT SECTION	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	239
590.14		CONTRACT NO. 61G82		
ILLINOIS FED. AID PROJECT				

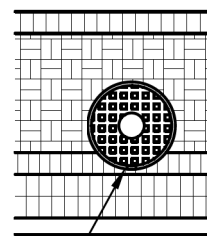
PAVER SPECIFICATIONS:

1. RED BLEND CONCRETE PAVERS
MANUFACTURER: UNILOCK
PRODUCT: IL CAMPO
SIZE: 7.75" X 4" X 2.25"
COLOR: HERITAGE BROWN
2. TAN CONCRETE PAVERS
MANUFACTURER: UNILOCK
PRODUCT: HOLLAND PREMIER
SIZE: 7.75" X 4" X 2.25"
COLOR: SANDSTONE
3. JOINTING MATERIAL:
MANUFACTURER APPROVED
POYMERIC SAND
COLOR: TAN
4. CONCRETE PAVERS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS SET FORTH IN ASTM C-936:
 - 4.1. MEASURED LENGTH OF TEST SPECIMENS SHALL NOT DIFFER BY MORE THAN +/- 0.063 IN., WHILE MEASURED THICKNESS SHALL NOT DIFFER BY MORE THAN +/- 0.125 IN.
 - 4.2. AVERAGE COMPRESSIVE STRENGTH OF 8,000 PSI WITH NO INDIVIDUAL UNIT UNDER 7,200 PSI WHEN TESTED ACCORDANCE WITH ASTM C-140.
 - 4.3. FREEZE-THAW TESTING IS REQUIRED AND THE AVERAGE MASS LOSS OF ALL SPECIMENS TESTED SHALL NOT BE GREATER THAN (A) 225G/M2 WHEN SUBJECT TO 28 FREEZE THAW CYCLES, OR (B) 500GM/M2 WHEN SUBJECT TO 49 FREEZE THAW CYCLES. TESTING SHALL BE CONDUCTED USING A 3% SALINE SOLUTION IN ACCORDANCE WITH ASTM C-1645.
 - 4.4. PIGMENT IN CONCRETE PAVERS SHALL CONFORM TO ASTM C-979.
5. PAVERS SHALL BE INSTALLED PER MANUFACTURER SPECIFICATIONS AND ACCORDING TO CURRENT ICPI STANDARDS.

SIDEWALK SPECIFICATIONS:

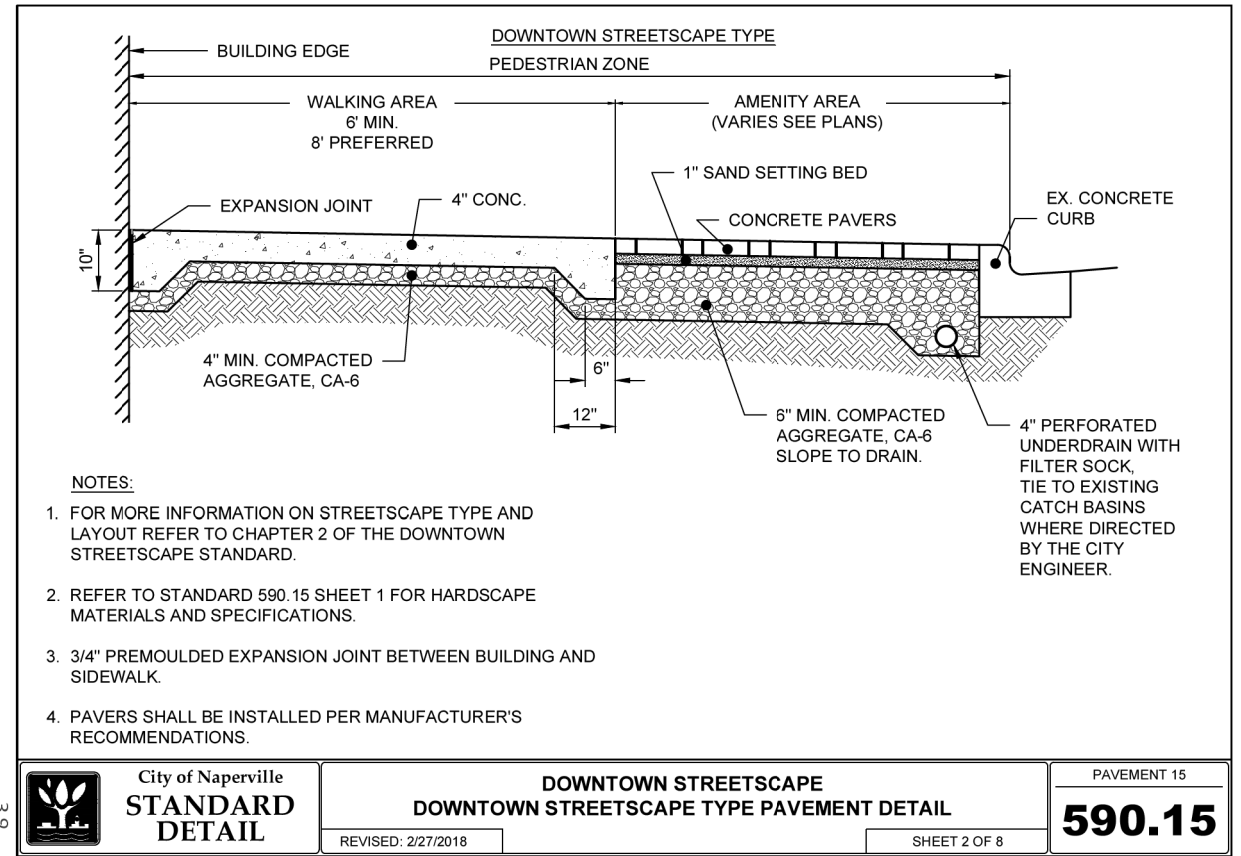
1. CONCRETE SHALL BE IDOT CLASS SI.
2. MINIMUM SIDEWALK THICKNESS SHALL BE 4".
3. SIDEWALK THICKNESS ACROSS DRIVEWAYS SHALL BE AT A MINIMUM 6" FOR RESIDENTIAL DRIVEWAYS AND 8" FOR COMMERCIAL DRIVEWAYS.
4. MAXIMUM LONGITUDINAL SLOPE SHALL NOT EXCEED 8.3% (12:1). FOR ANY SLOPE IN EXCESS OF 5% UP TO 8.3%, LANDINGS AND HANDRAILS WILL BE REQUIRED PER THE ILLINOIS ACCESSIBILITY CODE (LATEST EDITION).
5. MINIMUM TRANSVERSE SLOPE SHALL BE 1.0% (1:100). MAXIMUM TRANSVERSE SLOPE SHALL BE LESS THAN 2.0% (1:50).
6. A MINIMUM 4" AGGREGATE SUBBASE (CA-6) SHALL BE PROVIDED. (6" THROUGH COMMERCIAL DRIVES).
7. AGGREGATE SUBBASE SHALL BE MECHANICALLY COMPACTED.
8. ALL SIDEWALKS SHALL BE PROMPTLY BACKFILLED AND PROTECTED FROM DAMAGE.
9. SIDEWALK CONSTRUCTION SHALL FOLLOW IDOT STANDARDS.
10. SIDEWALKS SHALL FOLLOW CURRENT ADA GUIDELINES.

OBSTRUCTIONS WITHIN PAVERS



NOTES:

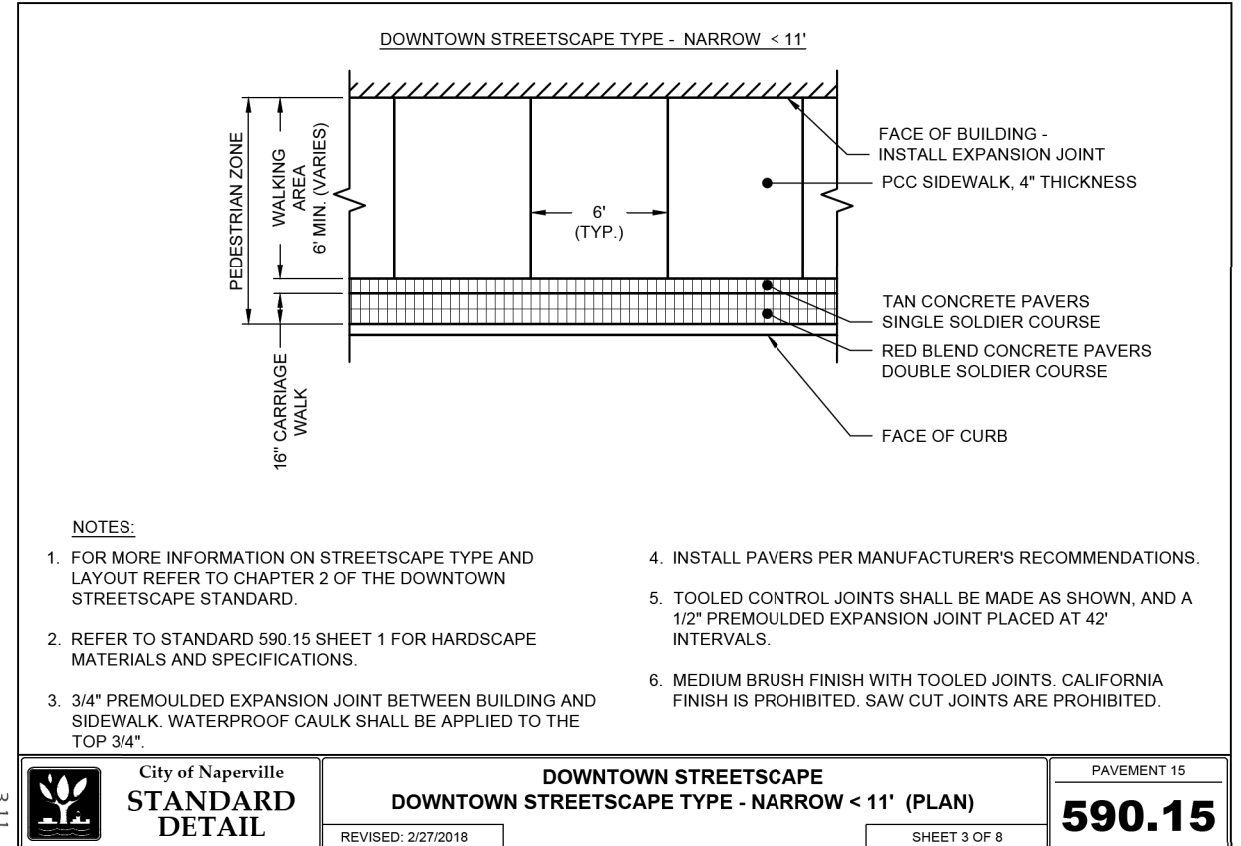
APPLIES TO ALL UTILITIES AND OBSTRUCTIONS WITHIN THE PAVER AREAS.



NOTES:

1. FOR MORE INFORMATION ON STREETSCAPE TYPE AND LAYOUT REFER TO CHAPTER 2 OF THE DOWNTOWN STREETSCAPE STANDARD.
2. REFER TO STANDARD 590.15 SHEET 1 FOR HARDSCAPE MATERIALS AND SPECIFICATIONS.
3. 3/4" PREMOULDED EXPANSION JOINT BETWEEN BUILDING AND SIDEWALK.
4. PAVERS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

<p>City of Naperville STANDARD DETAIL</p>	DOWNTOWN STREETSCAPE	PAVEMENT 15
	DOWNTOWN STREETSCAPE TYPE PAVEMENT DETAIL	SHEET 2 OF 8
REVISED: 2/27/2018		590.15



NOTES:

1. FOR MORE INFORMATION ON STREETSCAPE TYPE AND LAYOUT REFER TO CHAPTER 2 OF THE DOWNTOWN STREETSCAPE STANDARD.
2. REFER TO STANDARD 590.15 SHEET 1 FOR HARDSCAPE MATERIALS AND SPECIFICATIONS.
3. 3/4" PREMOULDED EXPANSION JOINT BETWEEN BUILDING AND SIDEWALK. WATERPROOF CAULK SHALL BE APPLIED TO THE TOP 3/4".
4. INSTALL PAVERS PER MANUFACTURER'S RECOMMENDATIONS.
5. TOOLED CONTROL JOINTS SHALL BE MADE AS SHOWN, AND A 1/2" PREMOULDED EXPANSION JOINT PLACED AT 42' INTERVALS.
6. MEDIUM BRUSH FINISH WITH TOOLED JOINTS. CALIFORNIA FINISH IS PROHIBITED. SAW CUT JOINTS ARE PROHIBITED.

<p>City of Naperville STANDARD DETAIL</p>	DOWNTOWN STREETSCAPE	PAVEMENT 15
	DOWNTOWN STREETSCAPE TYPE - NARROW < 11' (PLAN)	SHEET 3 OF 8
REVISED: 2/27/2018		590.15

<p>City of Naperville STANDARD DETAIL</p>	DOWNTOWN STREETSCAPE MATERIALS		PAVEMENT 15
	REVISED: 2/27/2018	SHEET 1 OF 8	590.15

<p>City of Naperville STANDARD DETAIL</p>	DOWNTOWN STREETSCAPE MATERIALS & PLAN		PAVEMENT 15
	REVISED: 2/27/2018	SHEET 3 OF 8	590.15

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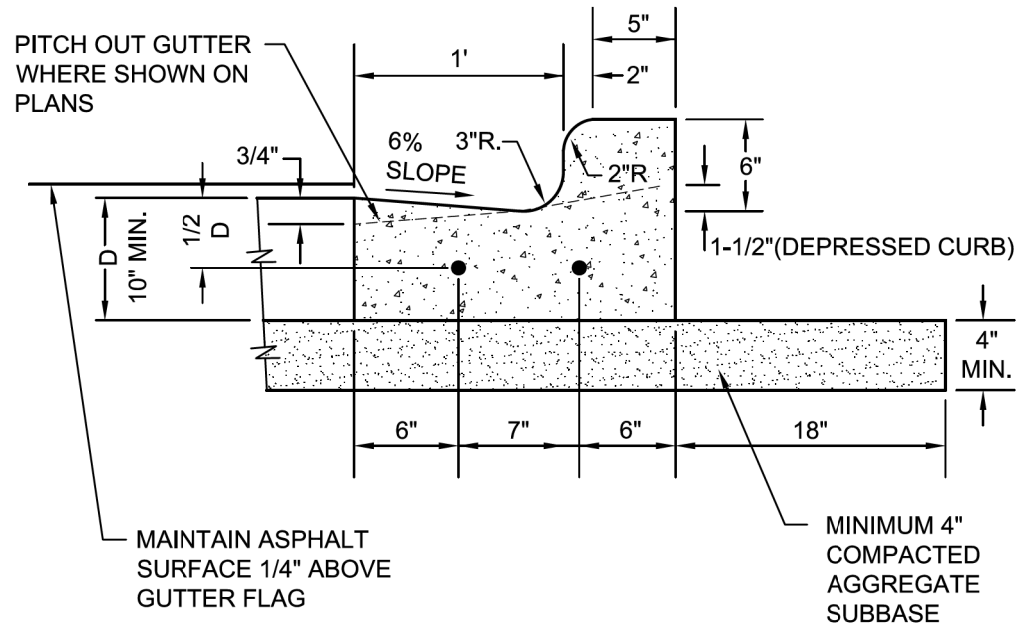
CiorbaGroup
8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
P 773.775.4009 | www.ciorba.com

USER NAME = Roadway	DESIGNED - TBH	REVISED -
DRAWN - VZ	REVISIONS -	
PLOT SCALE = 40,0000' / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/8/2022	DATE - 8/8/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	240
590.15		CONTRACT NO. 61G82		
		ILLINOIS FED. AID PROJECT		



NOTES:

- 3/4" PREFORMED BITUMINOUS EXPANSION JOINT WITH TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4" DIA. X 18") WITH GREASE CAPS SHALL BE PLACED EVERY 150', 10' EITHER SIDE OF DRAINAGE STRUCTURES, P.C.'S, RADIUS POINTS AND BACK OF CUL-DE-SACS. WHEN EXPANSION JOINTS ARE CONSTRUCTED ADJACENT TO EXISTING CURB & GUTTER THE EXISTING CURB SHALL BE DRILLED AND TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4" X 18") GROUTED IN PLACE. GREASE CAPS SHALL BE PLACED ON THE SIDE OF THE NEW CURB AND GUTTER SHALL HAVE A PINCHED STOP THAT WILL PROVIDE A MINIMUM 1" EXPANSION.
- TOOLED CONTROL JOINTS OR SAWCUTS SHALL BE MADE EVERY 15'.
- SAWCUTS SHALL BE MADE WITHIN TWENTY-FOUR (24) HOURS AND SEALED WITH A CITY APPROVED JOINT SEALANT. JOINTS SHALL BE CLEAN AND DRY PRIOR TO APPLICATION OF SEALANT.
- FOR CURB AND GUTTER CONSTRUCTED OVER UTILITY TRENCHES, TWO (2) EPOXY COATED REINFORCING BARS (NO. 4) SHALL BE PLACED IN THE CURB AND GUTTER, CENTERED OVER THE TRENCH.



City of Naperville
**STANDARD
DETAIL**

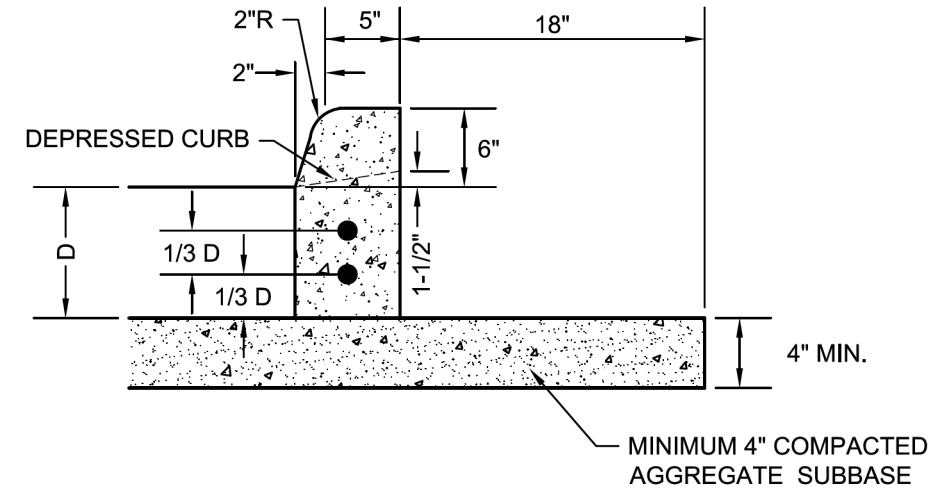
B6.12 BARRIER CURB & GUTTER

REVISED: 01/01/2013

SHEET 1 OF 1

PAVEMENT 20

590.20



NOTES:

- 3/4" PREFORMED BITUMINOUS EXPANSION JOINT WITH TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4" DIA. X 18") WITH GREASE CAPS SHALL BE PLACED EVERY 150', 10' EITHER SIDE OF DRAINAGE STRUCTURES, P.C.'S, RADIUS POINTS AND BACK OF CUL-DE-SACS. WHEN EXPANSION JOINTS ARE CONSTRUCTED ADJACENT TO EXISTING CURB & GUTTER THE EXISTING CURB SHALL BE DRILLED AND TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4" X 18") GROUTED IN PLACE. GREASE CAPS SHALL BE PLACED ON THE SIDE OF THE NEW CURB AND GUTTER SHALL HAVE A PINCHED STOP THAT WILL PROVIDE A MINIMUM 1" EXPANSION.
- TOOLED CONTROL JOINTS OR SAWCUTS SHALL BE MADE EVERY 15'.
- SAWCUTS SHALL BE MADE WITHIN TWENTY-FOUR (24) HOURS AND SEALED WITH A CITY APPROVED JOINT SEALANT. JOINTS SHALL BE CLEAN AND DRY PRIOR TO APPLICATION OF SEALANT.
- FOR CURB AND GUTTER CONSTRUCTED OVER UTILITY TRENCHES, TWO (2) EPOXY COATED REINFORCING BARS (NO. 4) SHALL BE PLACED IN THE CURB AND GUTTER, CENTERED OVER THE TRENCH.



City of Naperville
**STANDARD
DETAIL**

TYPE B BARRIER CURB

REVISED: 01/01/2013

SHEET 1 OF 1

PAVEMENT 23

590.23

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DESIGNED - TBH
DRAWN - VZ
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PLOT DATE = 8/8/2022

REVISIONS
CHECKED - DD
DATE - 8/8/2022

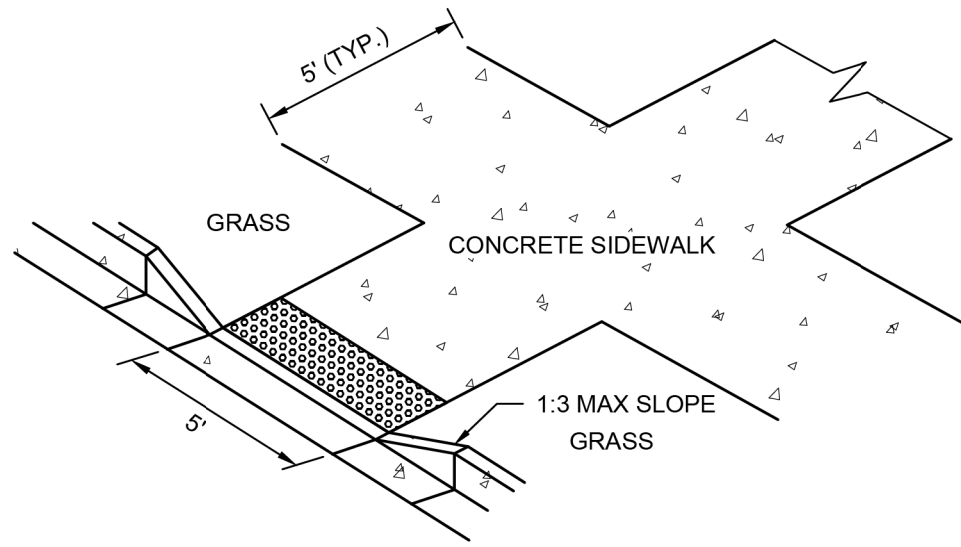
REVISIONS
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**B6.12 BARRIER CURB & GUTTER AND
TYPE B BARRIER CURB**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	241
590.20 AND 590.23			CONTRACT NO. 61G82	
ILLINOIS FED. AID PROJECT				



ISOMETRIC VIEW

NOTES:

1. ALL AGGREGATE SUB-BASE SHALL BE MECHANICALLY COMPACTED.
2. SIDEWALK THICKNESS AT CURB RAMPS SHALL BE A MINIMUM OF 6" PCC ON 2" AGGREGATE SUB BASE.
3. SIDEWALK CONSTRUCTION SHALL FOLLOW APPLICABLE IDOT STANDARDS.
4. SIDEWALKS SHALL FOLLOW CURRENT ADA GUIDELINES.

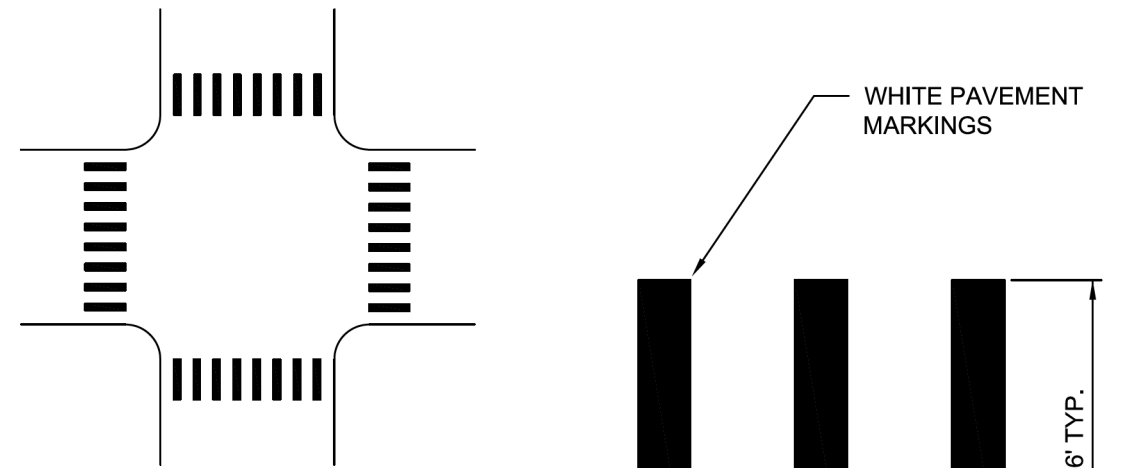
APPLICABLE IDOT STANDARD DETAILS (USE LATEST REVISION):

424001-XX	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-XX	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-XX	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-XX	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-XX	DEPRESSED CORNER FOR SIDEWALKS
424026-XX	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
424031-XX	MEDIAN PEDESTRIAN CROSSINGS
606001-XX	CONCRETE CURB TYPE B AND COMB CONCRETE CURB AND GUTTER

APPROVED ADA DETECTABLE WARNING TILES:

1. ADA SOLUTIONS - CAST IN PLACE REPLACEABLE
2. ARMOR TILE - CAST IN PLACE
3. DETECTILE - SLIMTEK II
4. TUFTILE - POLYMER WET-SET

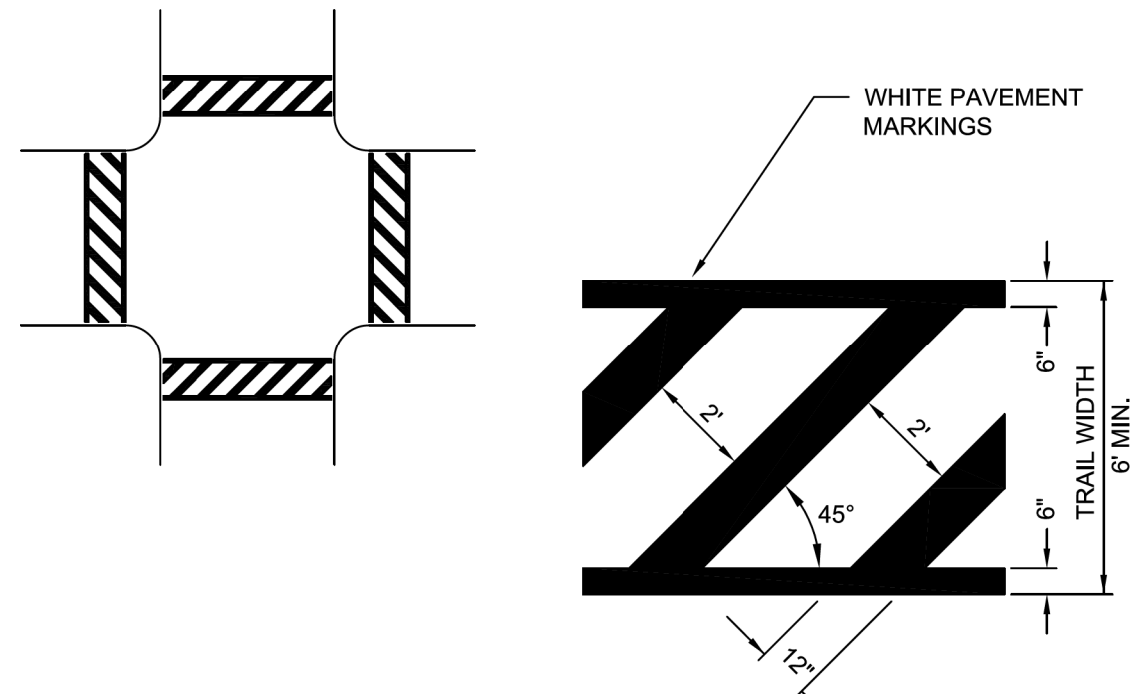
<p style="margin: 0;">City of Naperville STANDARD DETAIL</p>	CURB RAMPS		PAVEMENT 32
	REVISED: 08/01/2018	SHEET 1 OF 1	590.32



NOTES:

1. SPACING BETWEEN PAVEMENT MARKINGS MAY BE INCREASED TO A MAXIMUM OF 2.5' TO AVOID WHEEL PATHS.

SCHOOL AND PEDESTRIAN



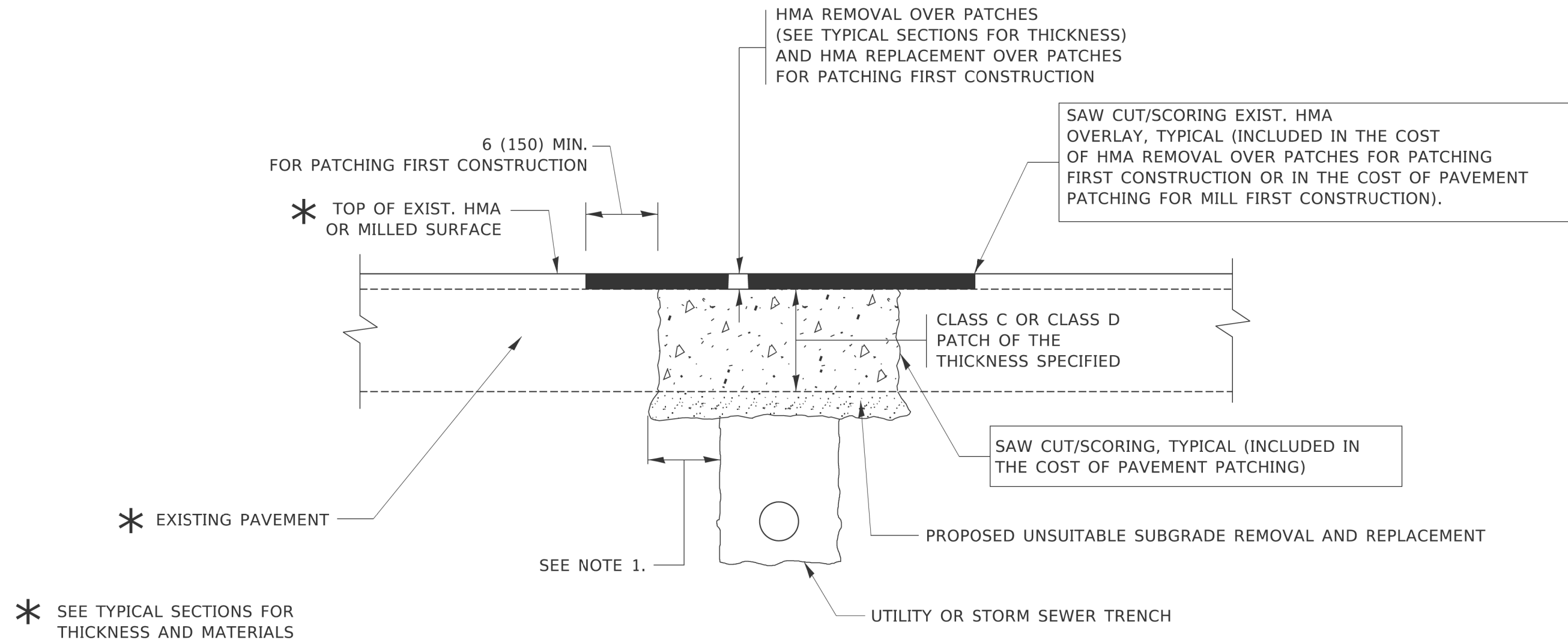
BICYCLE AND EQUESTRIAN
(TRAIL CROSSINGS)

<p style="margin: 0;">City of Naperville STANDARD DETAIL</p>	CROSSWALK		PAVEMENT 33
	REVISED: 06/14/2013	SHEET 1 OF 1	590.33

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PLOT DATE = 8/8/2022	CHECKED - DD	REVISED -
	DATE - 8/8/2022	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	242
590.32 AND 590.33		CONTRACT NO. 61G82		
ILLINOIS FED. AID PROJECT				



NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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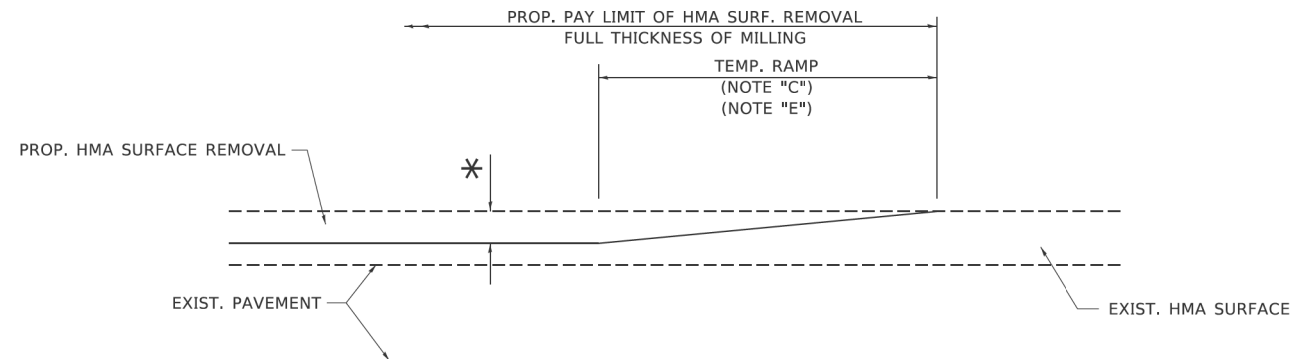
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PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

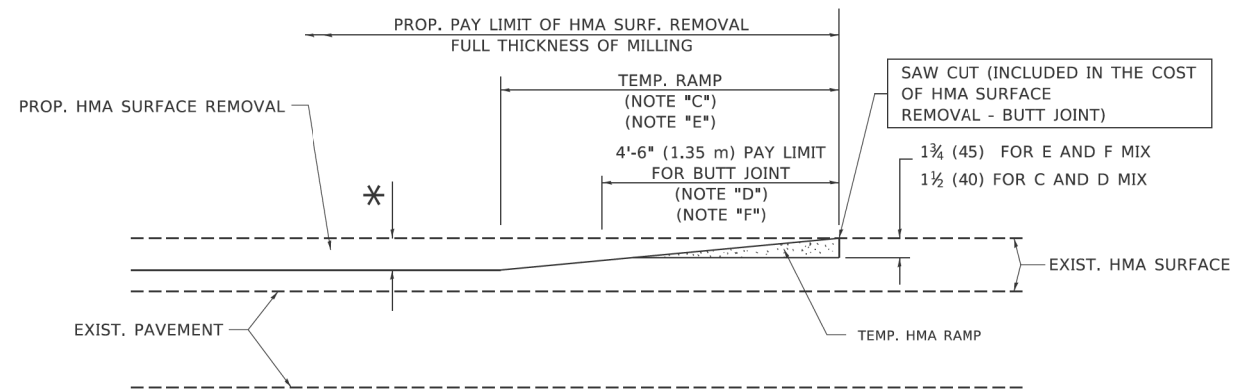
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	243
BD400-04 (BD-22)		CONTRACT NO.		61G82
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

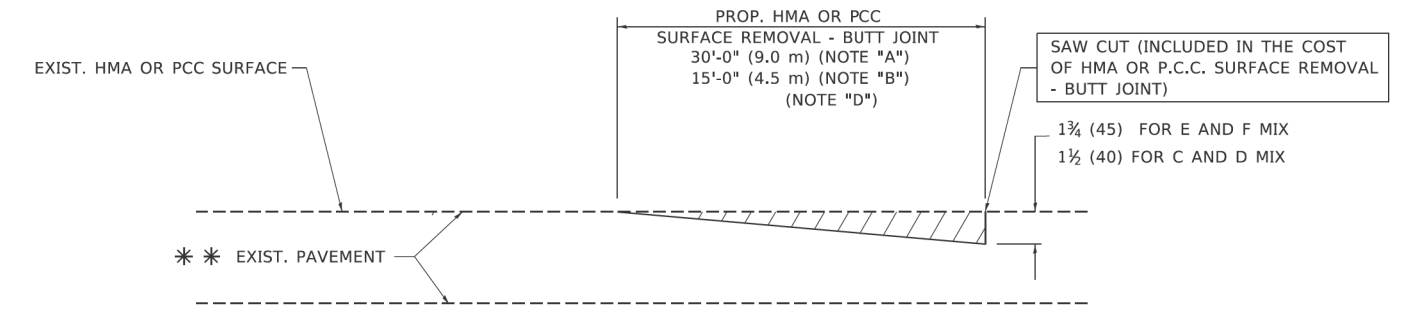
OPTION 1



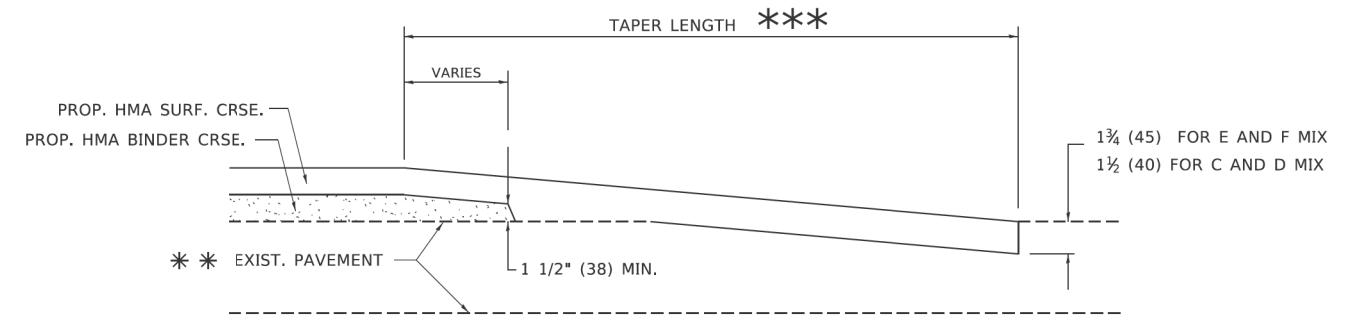
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

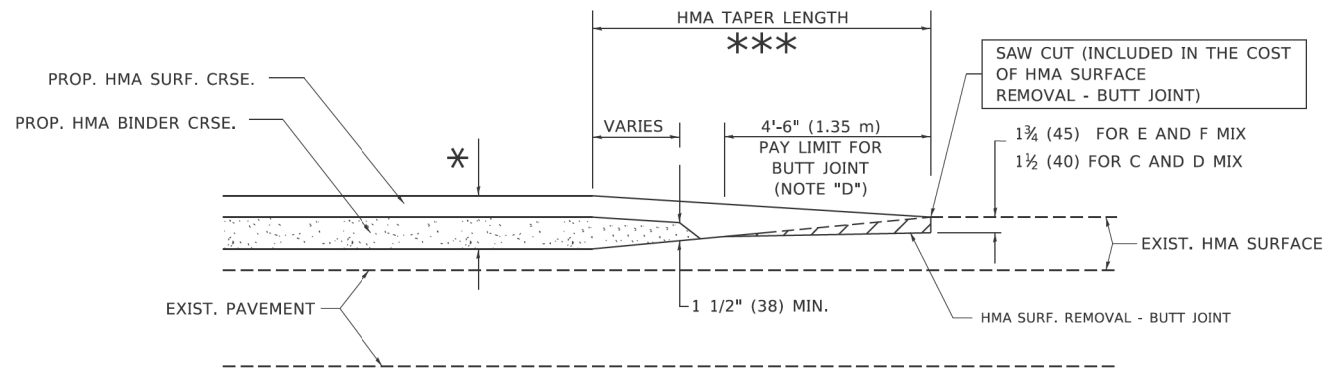
NOTES

- A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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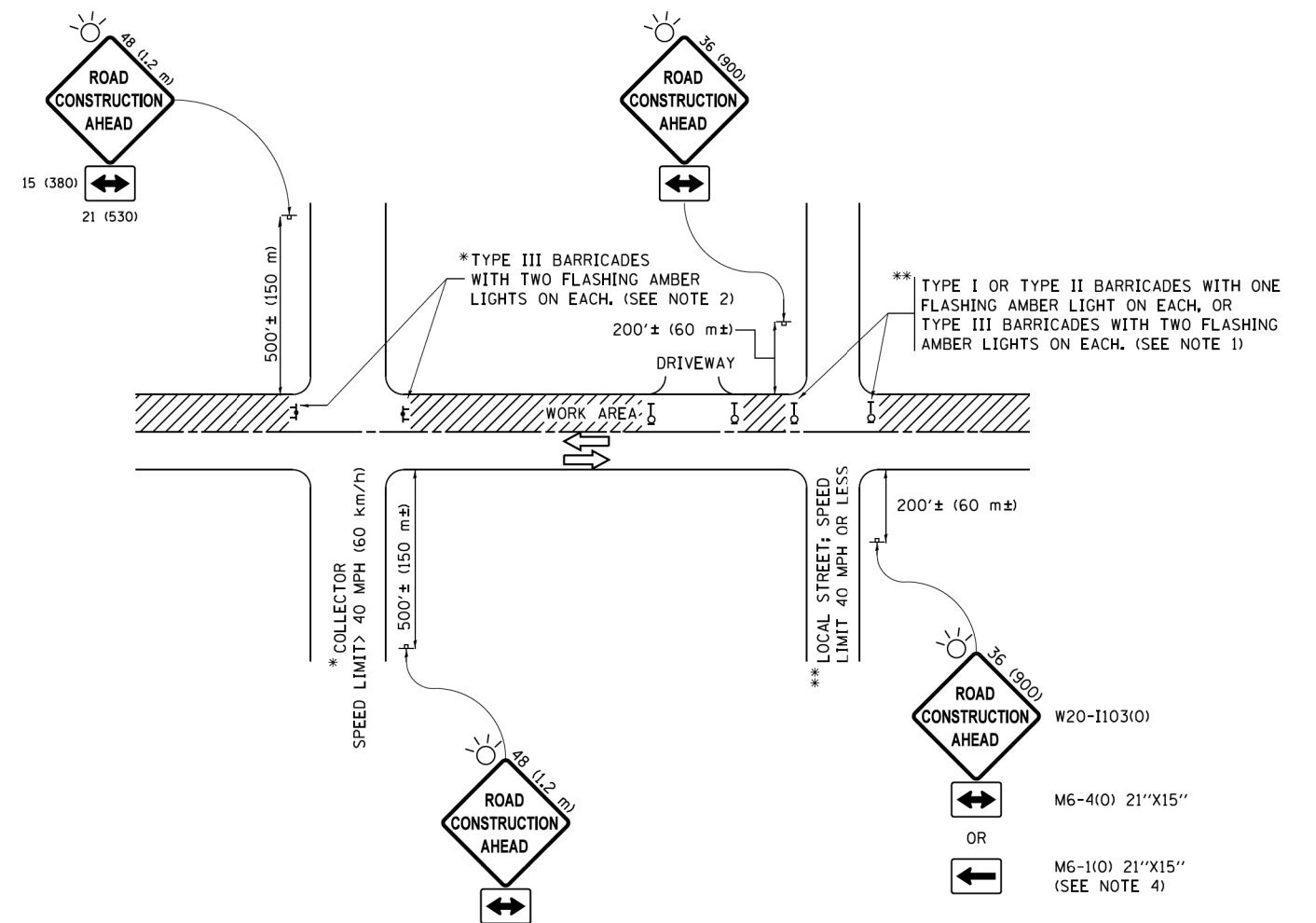
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	244
BD400-05 BD32		CONTRACT NO. 61G82		
ILLINOIS FED. AID PROJECT				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

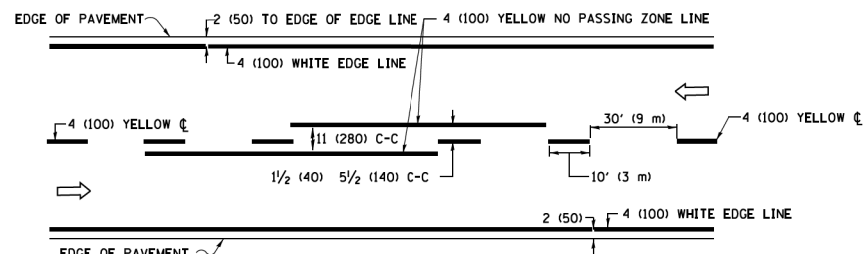
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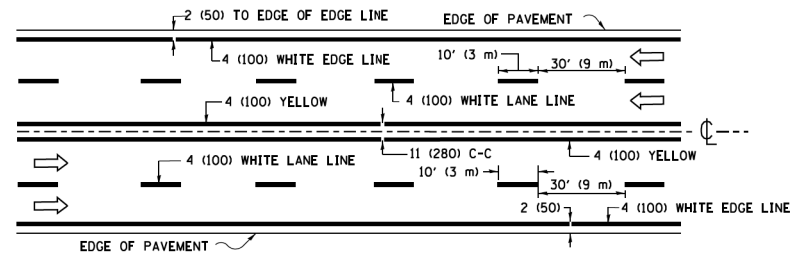
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

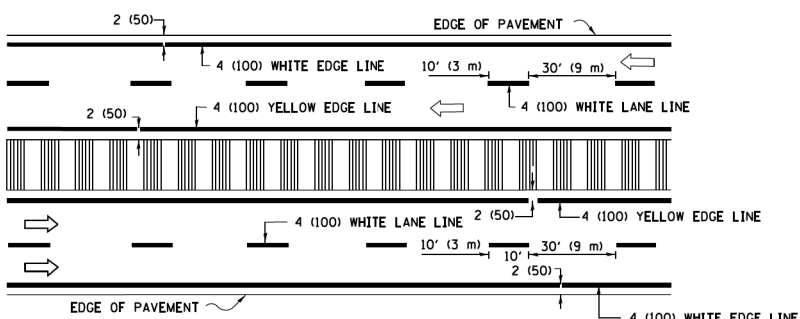
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TC-10			CONTRACT NO.	61G82
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

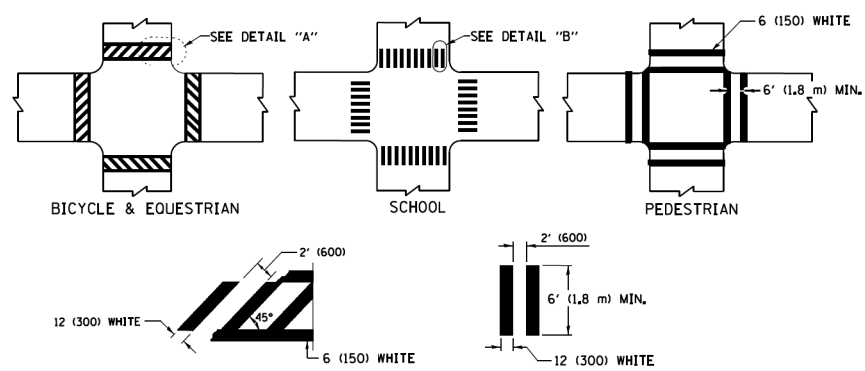


MULTI-LANE UNDIVIDED



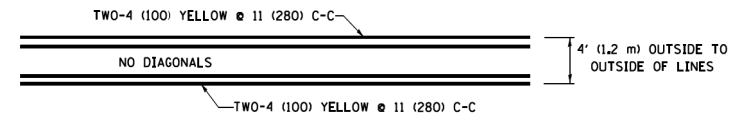
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

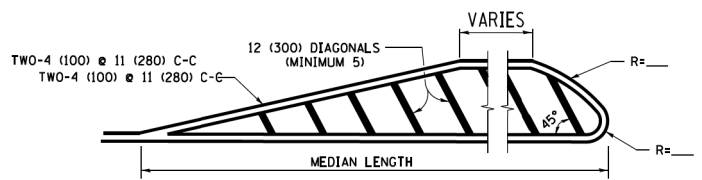


TYPICAL CROSSWALK MARKING

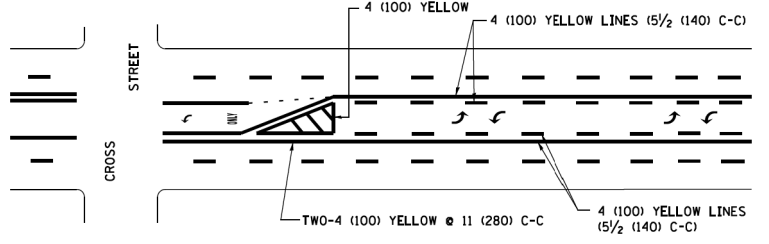
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



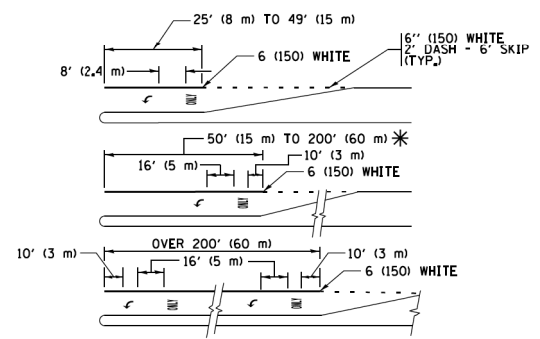
4' (1.2 m) WIDE MEDIANS ONLY



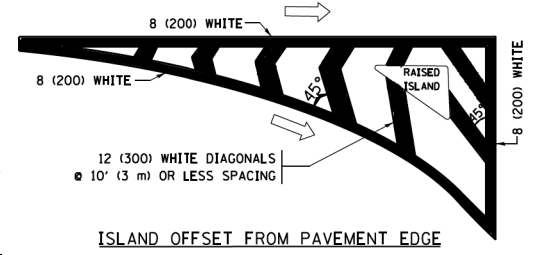
MEDIANS OVER 4' (1.2 m) WIDE



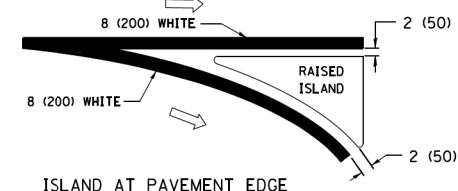
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



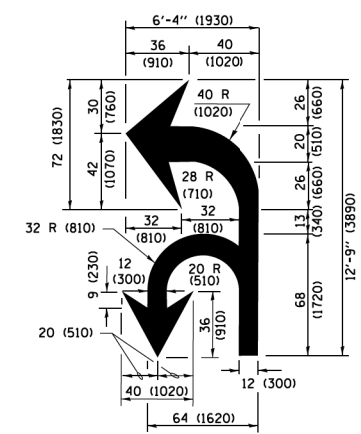
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



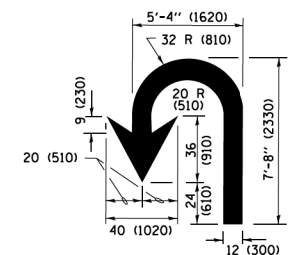
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

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	5/2 (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; 5/2 (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 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° 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.
CORE 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 (30 MPH (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 "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"
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.

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	PLOT DATE = 6/23/2017	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		2552	16-00167-00-BR	DUPAGE	261	246
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	TC-13			
			ILLINOIS FED. AID PROJECT			

DISTRICT ONE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		2552	16-00167-00-BR	DUPAGE	261	246
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	TC-13			
			ILLINOIS FED. AID PROJECT			

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

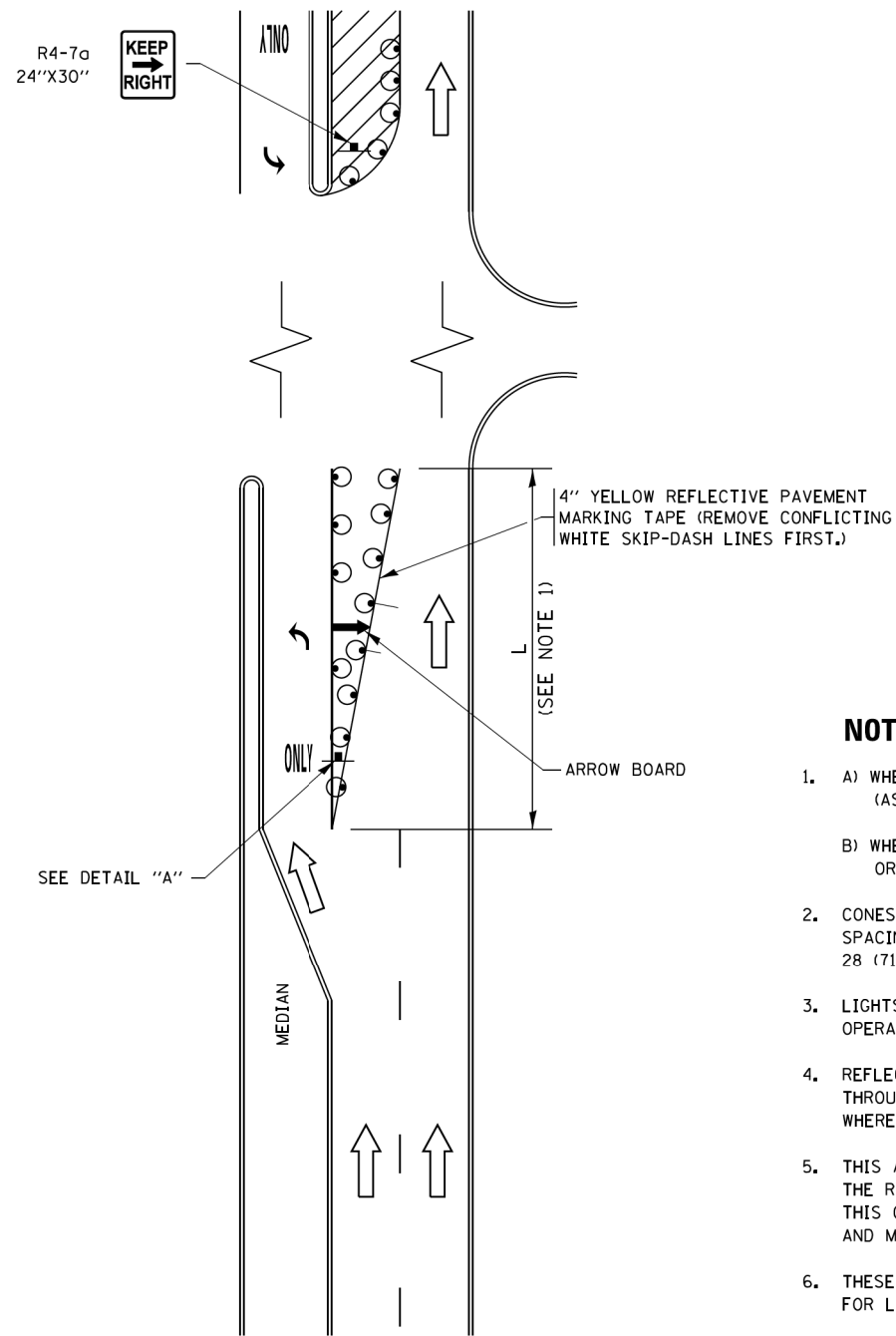


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

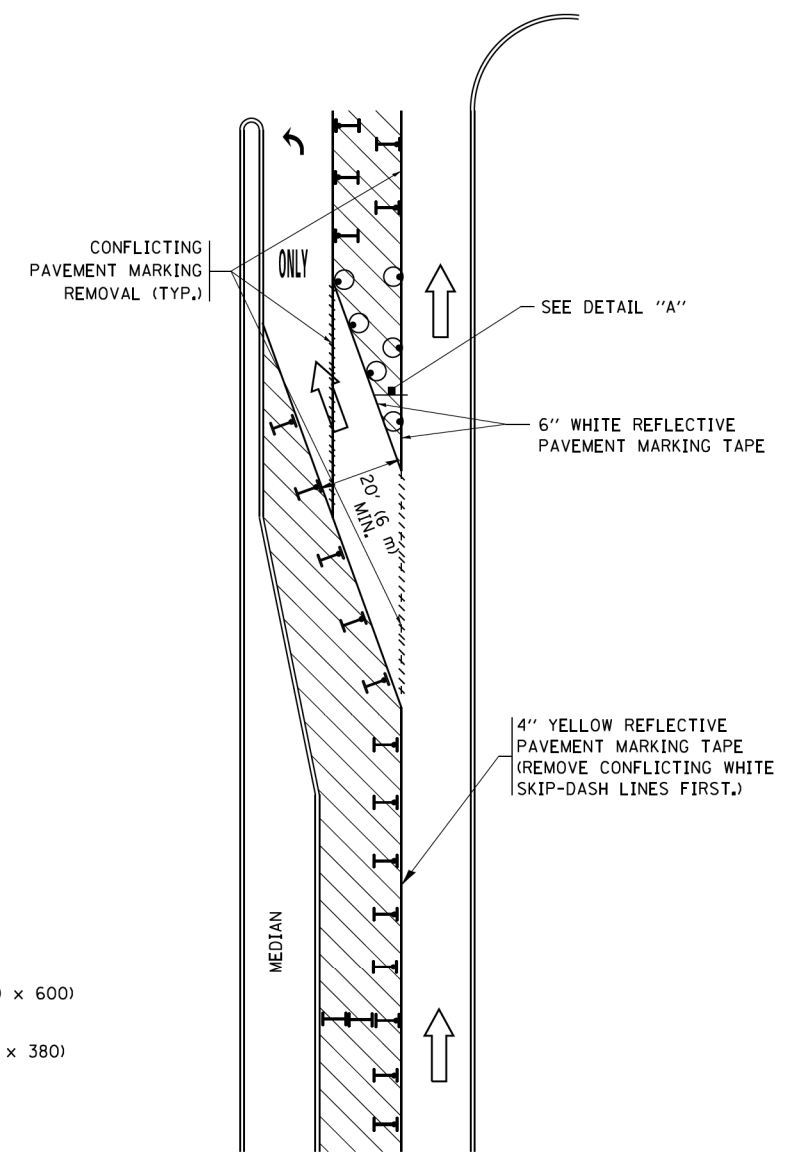
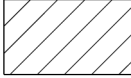
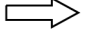







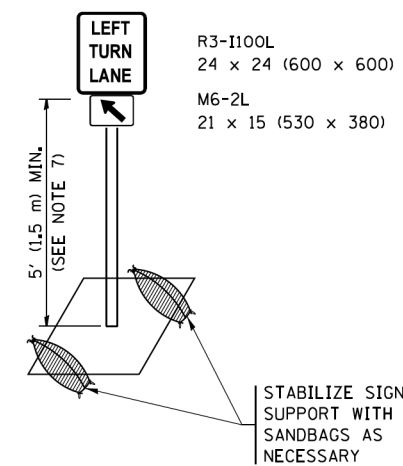
FIGURE 2

LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  ARROW BOARD
-  TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  SIGN ASSEMBLY
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PRE REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

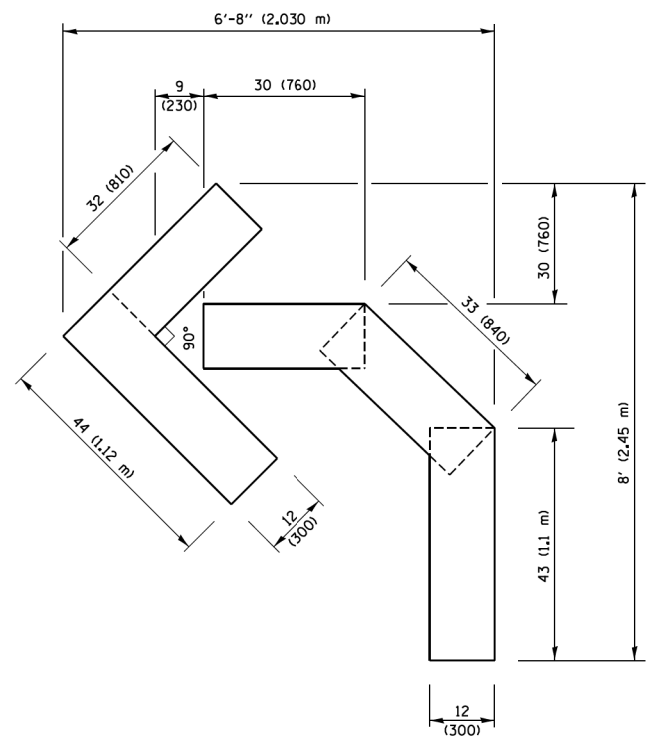


DETAIL A

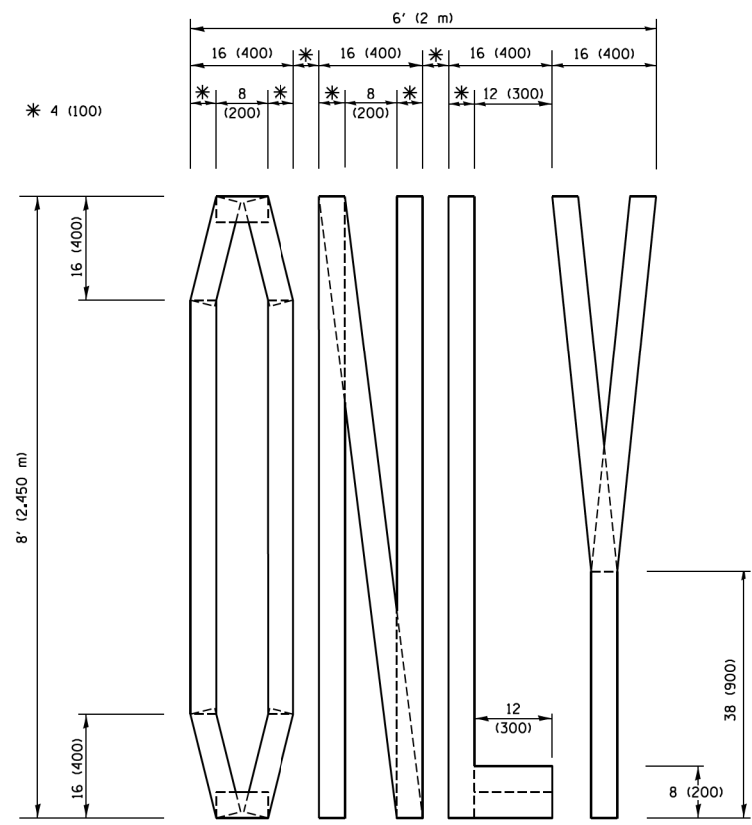
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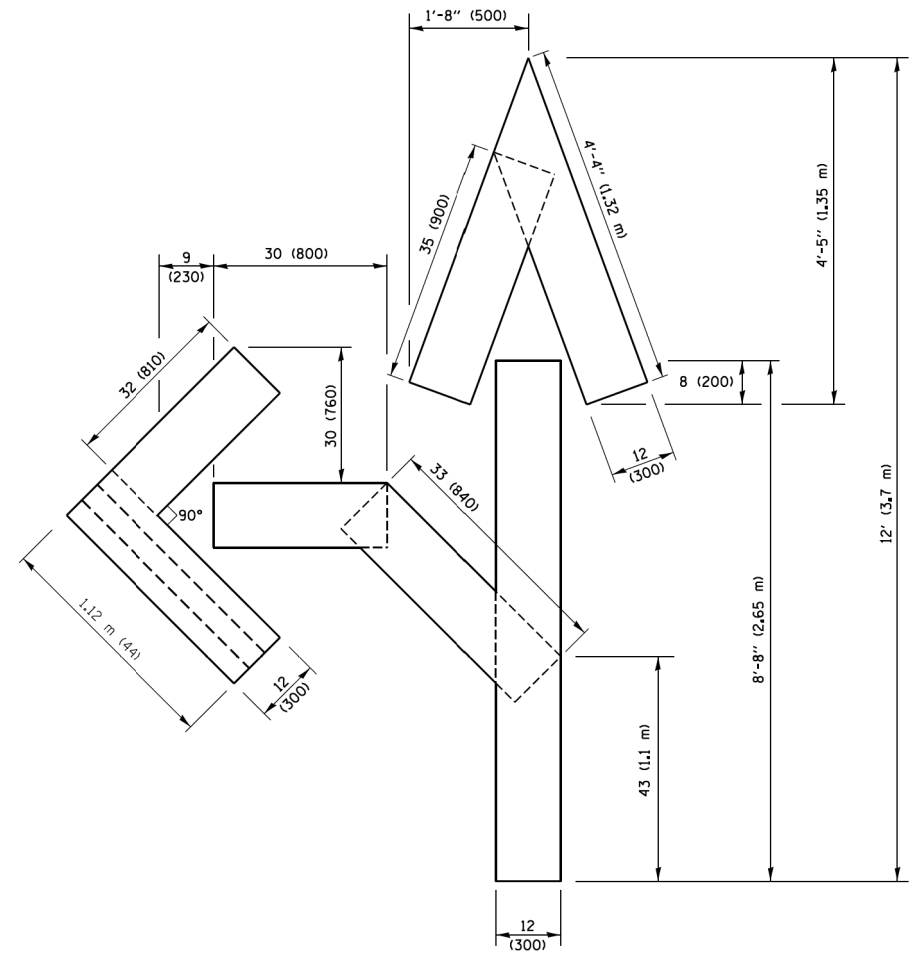
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	PLOT SCALE = 50,0000 / 1 in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16		TC-14				CONTRACT NO.	61G82			
	PLOT DATE = 9/15/2016	REVISED - T. RAMMACHER 01-06-00	REVISED -		ILLINOIS FED. AID PROJECT								
				SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.				



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

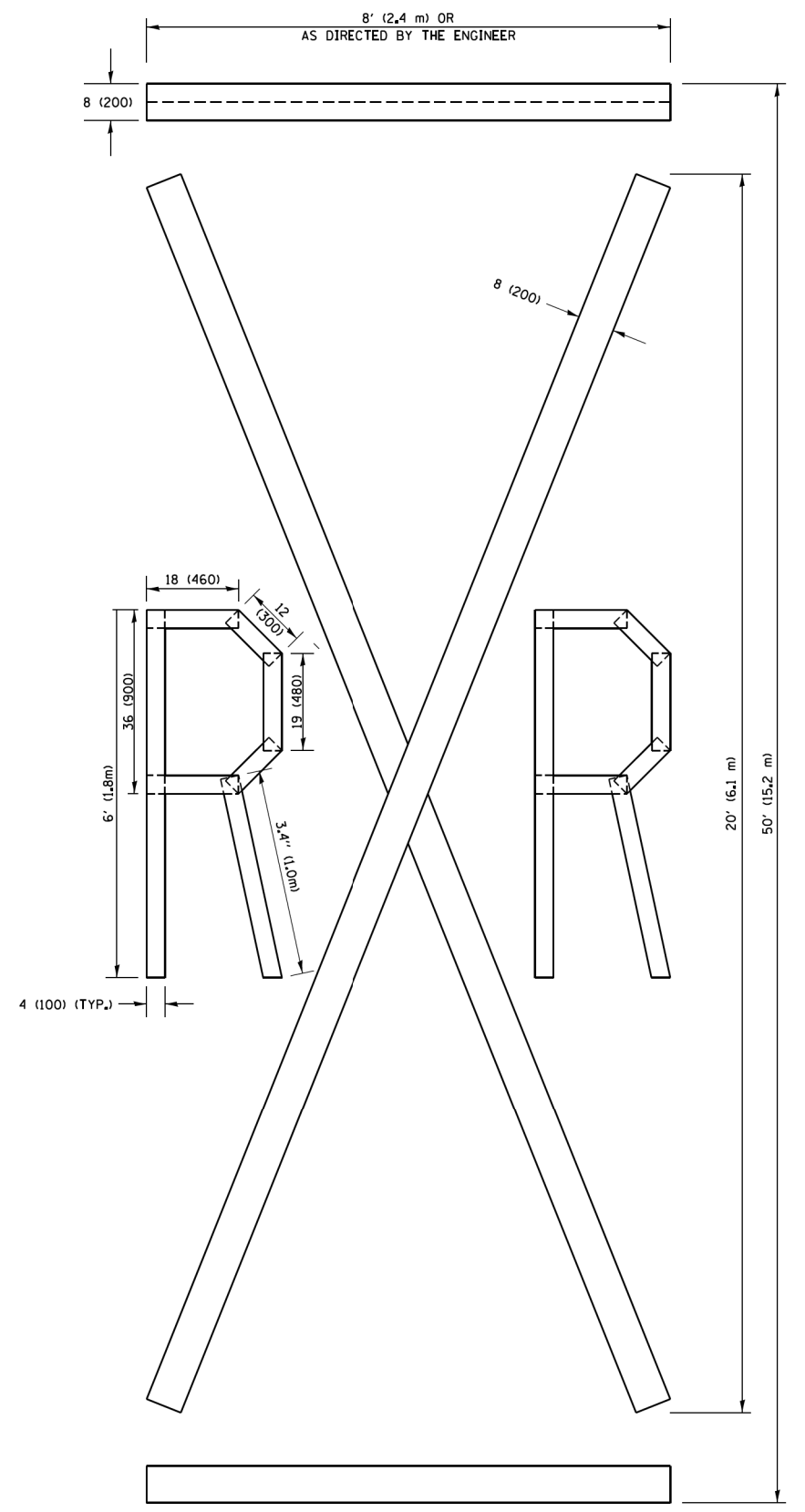


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

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

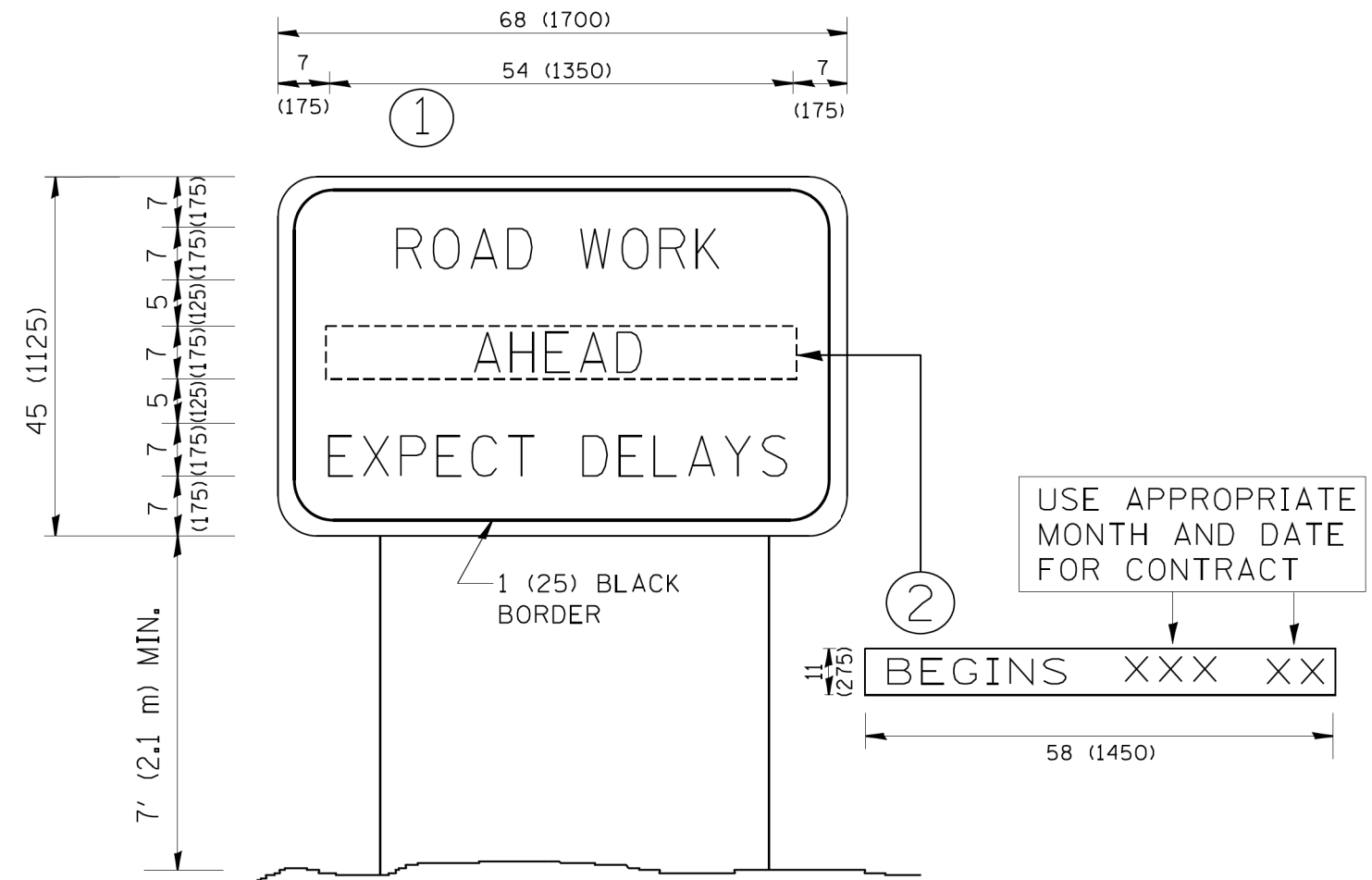
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PLOT DATE = 9/15/2016		DATE - 09-18-94	REVISED -A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
 SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	248
TC-16		CONTRACT NO.	61G82	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

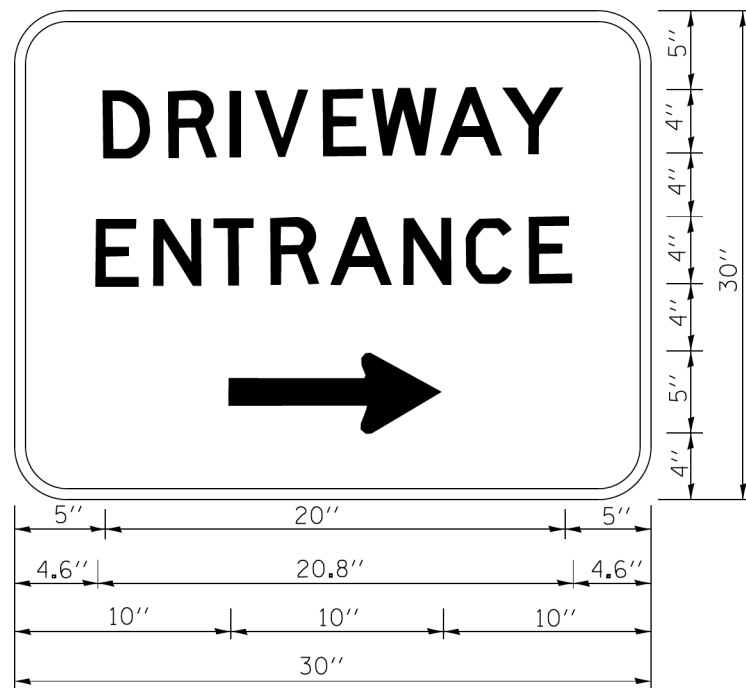
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	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARTERIAL ROAD INFORMATION SIGN			
SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	249
TC-22		CONTRACT NO. 61G82		
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".

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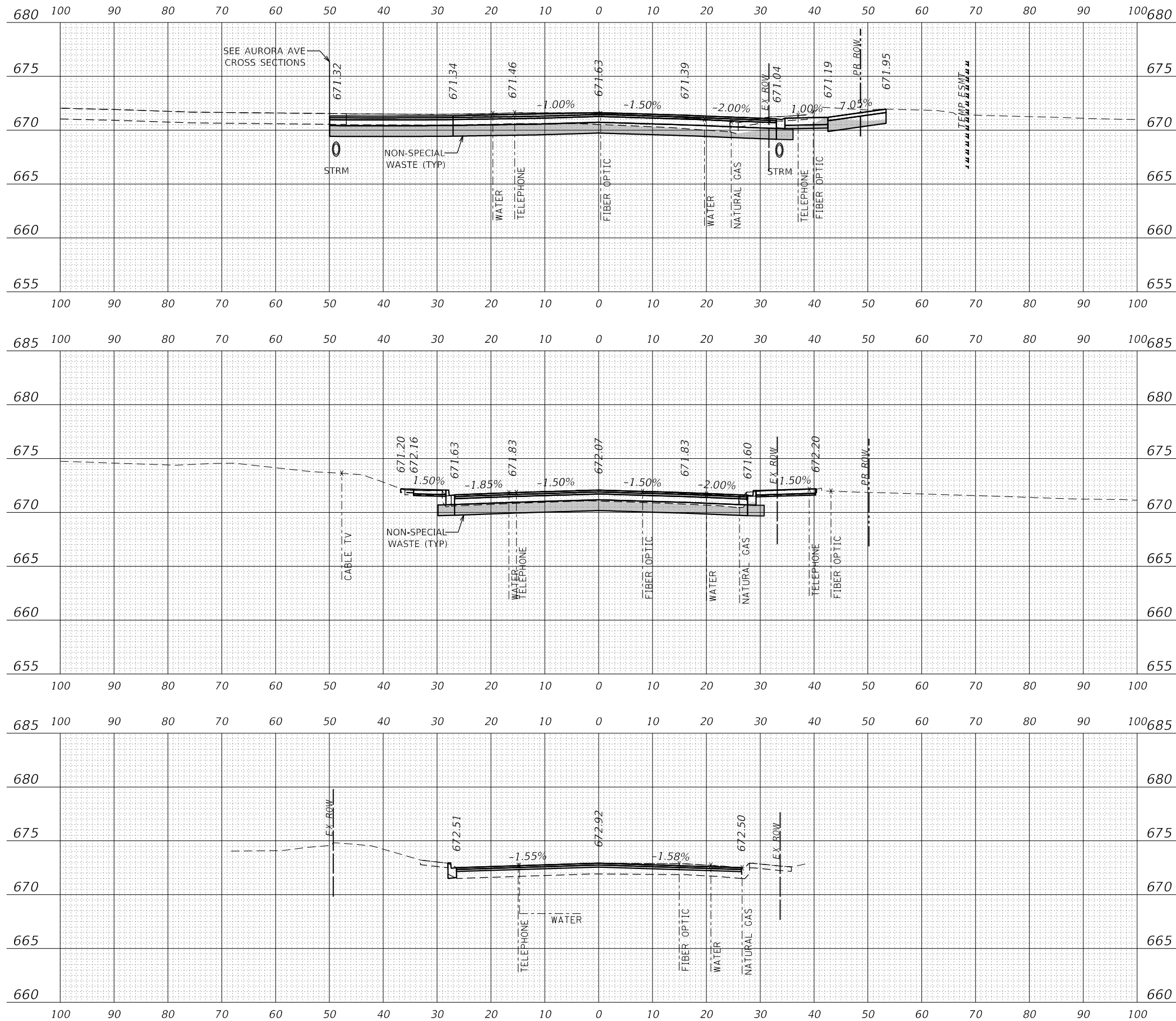
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		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	250
TC-26			CONTRACT NO. 61G82	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



Stage 1
C = 49.64 Sq. Ft.
F = 0.00 Sq. Ft.

Stage 2
C = 42.53 Sq. Ft.
F = 0.00 Sq. Ft.

Stage 3
C = 13.29 Sq. Ft.
F = 0.00 Sq. Ft.

132+49.48 R1

Stage 1
C = 24.45 Sq. Ft.
F = 0.00 Sq. Ft.

Stage 2
C = 18.14 Sq. Ft.
F = 0.00 Sq. Ft.

Stage 3
C = 13.64 Sq. Ft.
F = 0.00 Sq. Ft.

132+00.00 R1

C = 0.00 Sq. Ft.
F = 0.00 Sq. Ft.

131+50.00 R1

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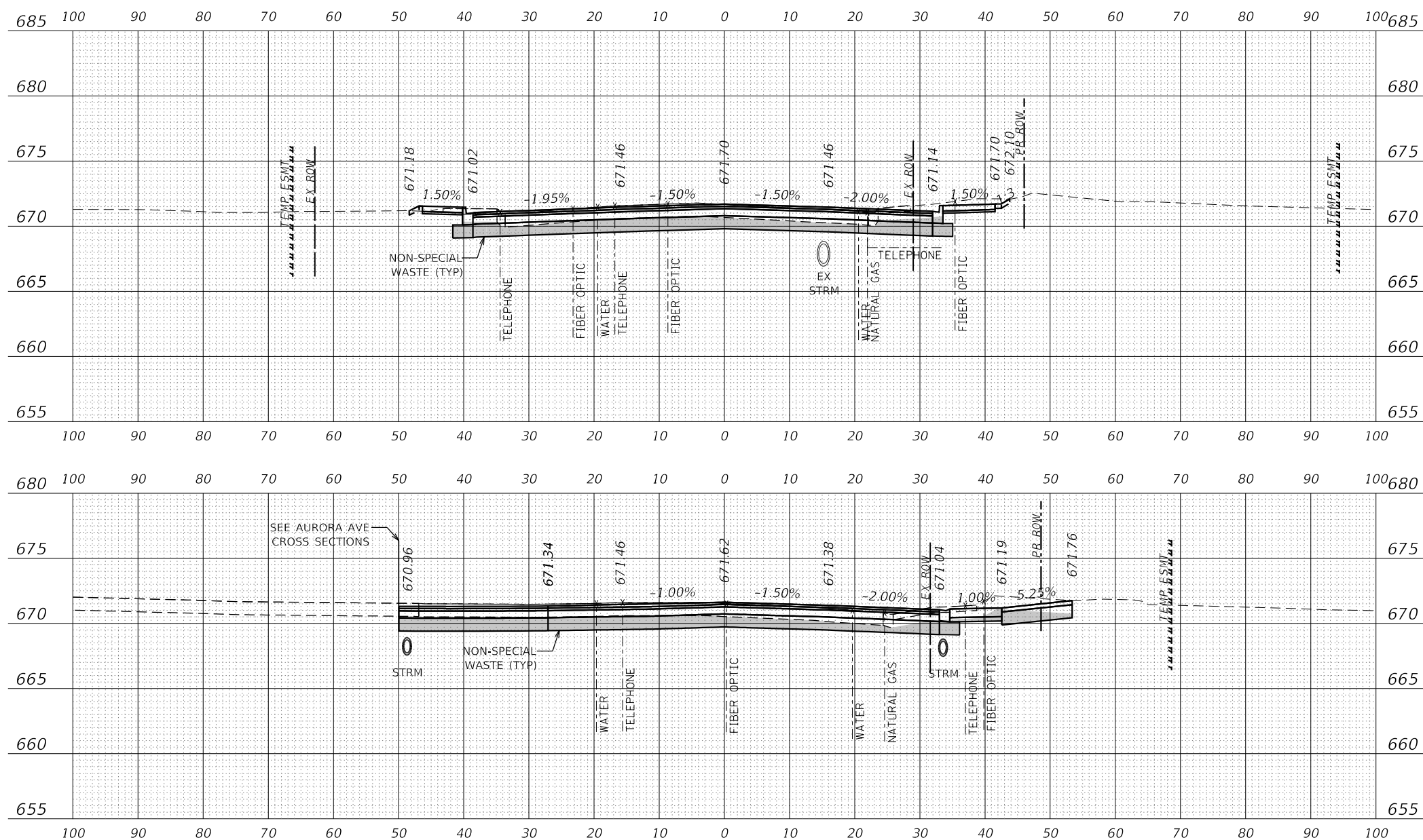
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PLOT DATE = 8/8/2022	CHECKED - DD	REVISED -
	DATE - 8/8/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET
CROSS SECTIONS

SCALE: 1" = 10' SHEET 1 OF 8 SHEETS STA. 131+50.00 R1 TO STA. 132+49.48 R1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	251
CONTRACT NO. 61G82				
ILLINOIS FED. AID PROJECT				



Stage 1
C = 39.05 Sq. Ft.
F = 0.00 Sq. Ft.

Stage 2
C = 33.29 Sq. Ft.
F = 0.04 Sq. Ft.

Stage 3
C = 13.97 Sq. Ft.
F = 0.00 Sq. Ft.

133+00.00 R1

Stage 1
C = 50.32 Sq. Ft.
F = 0.00 Sq. Ft.

Stage 2
C = 42.58 Sq. Ft.
F = 0.00 Sq. Ft.

Stage 3
C = 13.29 Sq. Ft.
F = 0.00 Sq. Ft.

132+50.00 R1

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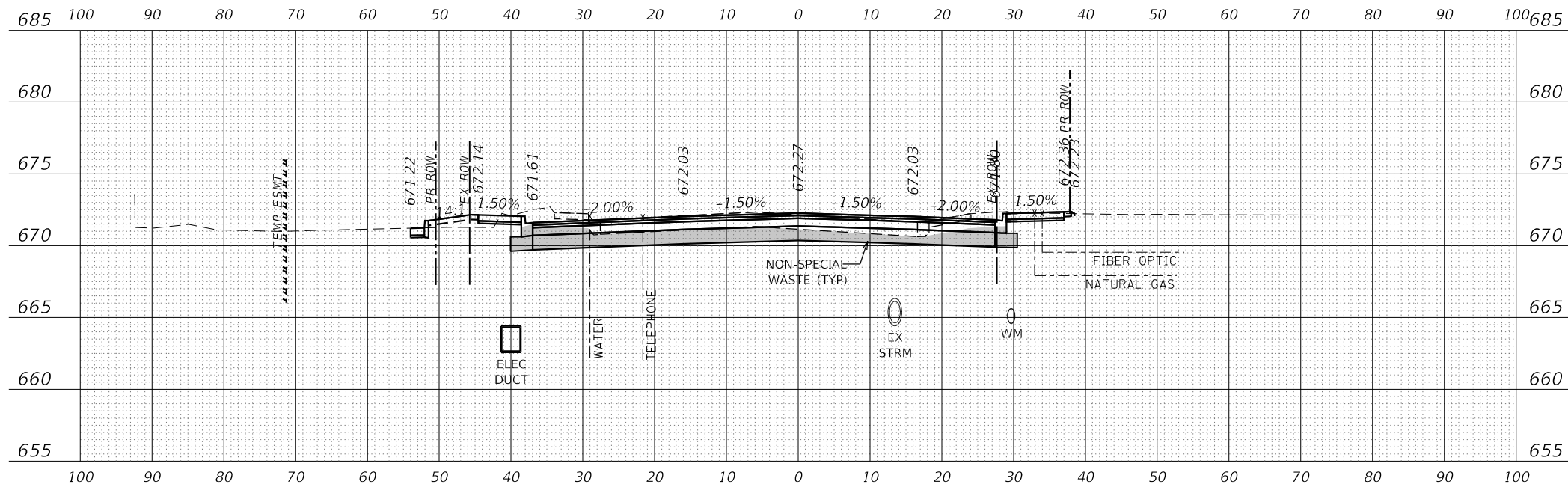
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	DATE - 8/8/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET
CROSS SECTIONS

SCALE: 1" = 10' SHEET 2 OF 8 SHEETS STA. 132+50.00 R1 TO STA. 133+00.00 R1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	252
CONTRACT NO. 61G82				
ILLINOIS FED. AID PROJECT				

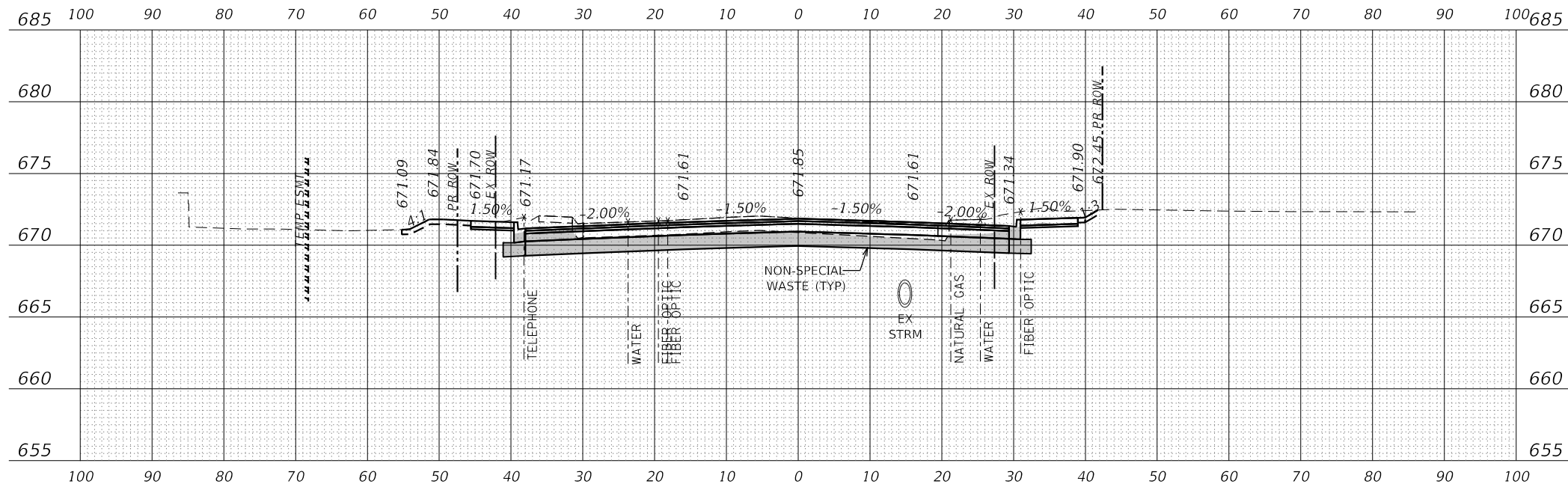


Stage 1
 C = 30.17 Sq. Ft.
 F = 0.00 Sq. Ft.

Stage 2
 C = 41.80 Sq. Ft.
 F = 3.14 Sq. Ft.

Stage 3
 C = 13.35 Sq. Ft.
 F = 0.00 Sq. Ft.

134 + 00.00 R1



Stage 1
 C = 42.20 Sq. Ft.
 F = 0.00 Sq. Ft.

Stage 2
 C = 44.37 Sq. Ft.
 F = 0.00 Sq. Ft.

Stage 3
 C = 15.46 Sq. Ft.
 F = 0.00 Sq. Ft.

133 + 50.00 R1

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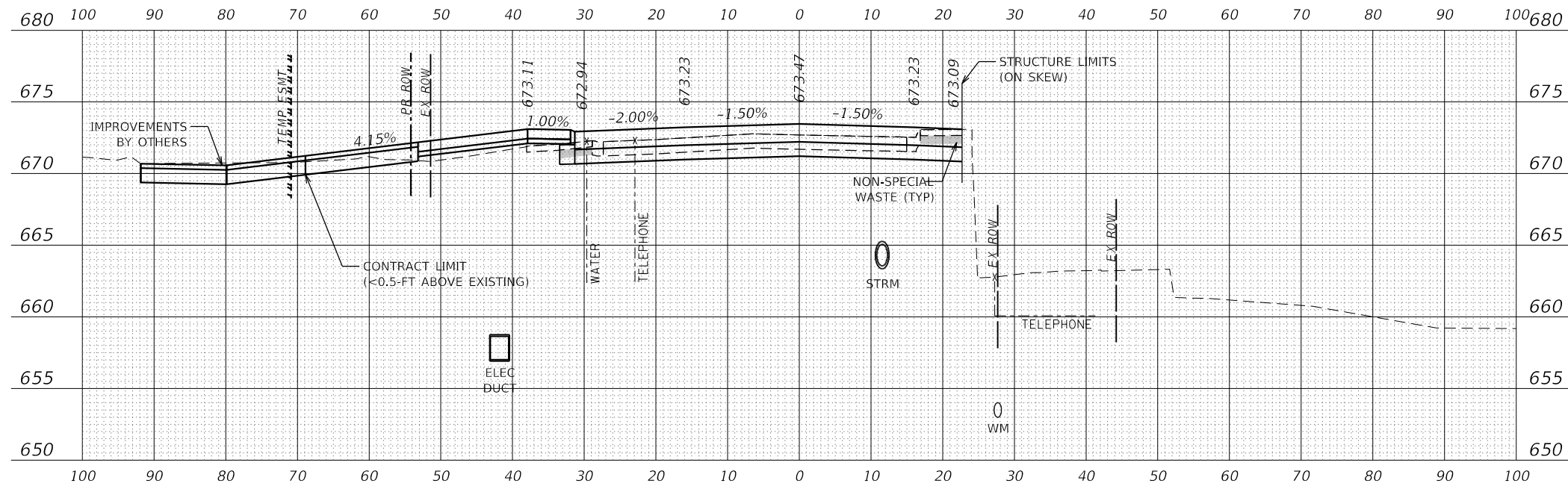
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET
CROSS SECTIONS

SCALE: 1" = 10' SHEET 3 OF 8 SHEETS STA. 133+50.00 R1 TO STA. 134+00.00 R1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	253
CONTRACT NO. 61G82				
ILLINOIS FED. AID PROJECT				

BRIDGE OMISSION STA 134+66.69 TO STA 135+92.45

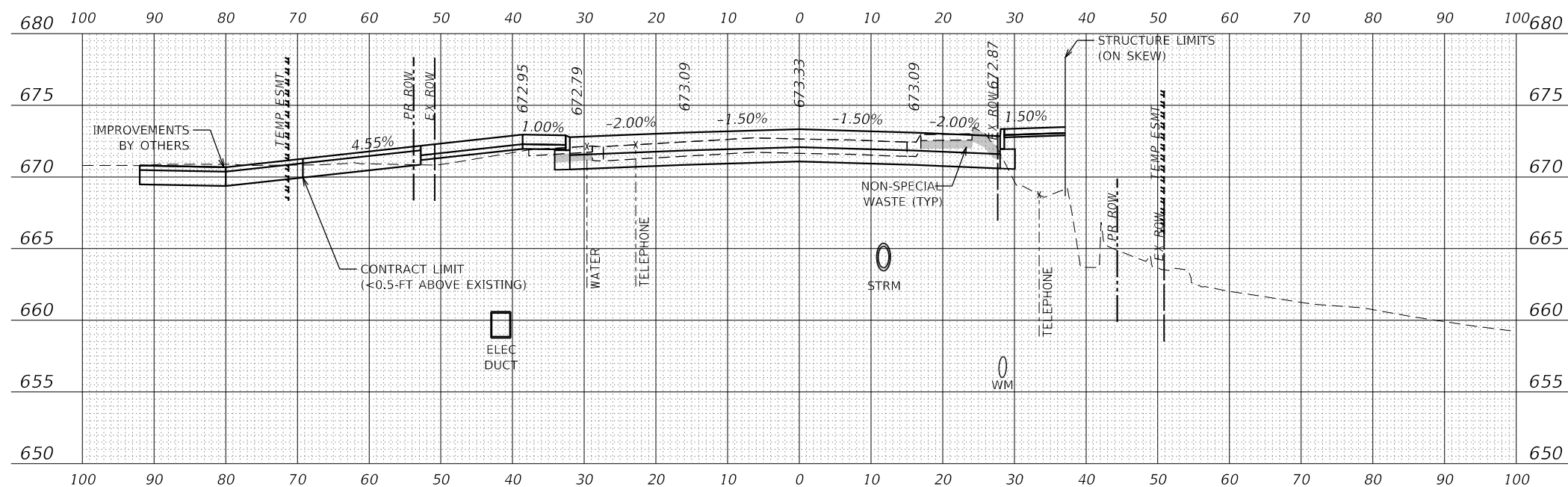


Stage 1
C = 16.66 Sq. Ft.
F = 0.00 Sq. Ft.

Stage 2
C = 37.67 Sq. Ft.
F = 15.27 Sq. Ft.

Stage 3
C = 8.28 Sq. Ft.
F = 0.00 Sq. Ft.

134 + 55.70 R1



Stage 1
C = 29.21 Sq. Ft.
F = 28.68 Sq. Ft.

Stage 2
C = 39.63 Sq. Ft.
F = 14.13 Sq. Ft.

Stage 3
C = 9.66 Sq. Ft.
F = 0.00 Sq. Ft.

134 + 50.00 R1

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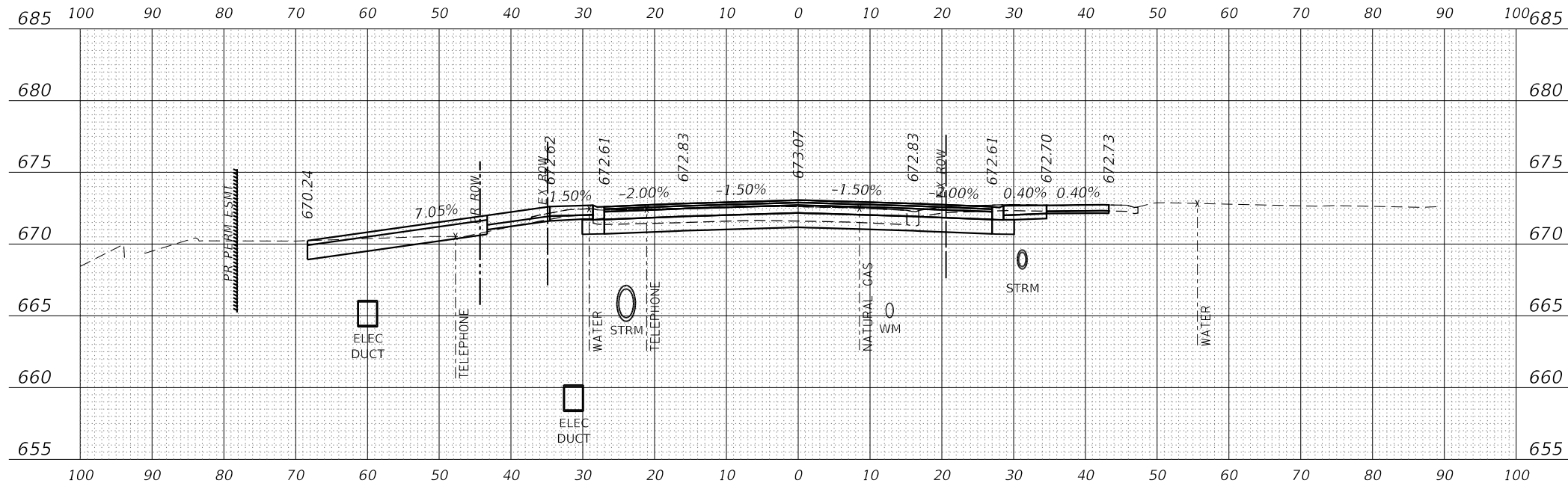


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WASHINGTON STREET CROSS SECTIONS	
SCALE: 1" = 10'	SHEET 4 OF 8 SHEETS
STA. 134+50.00 R1 TO STA. 134+55.70 R1	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61G82				
ILLINOIS FED. AID PROJECT				

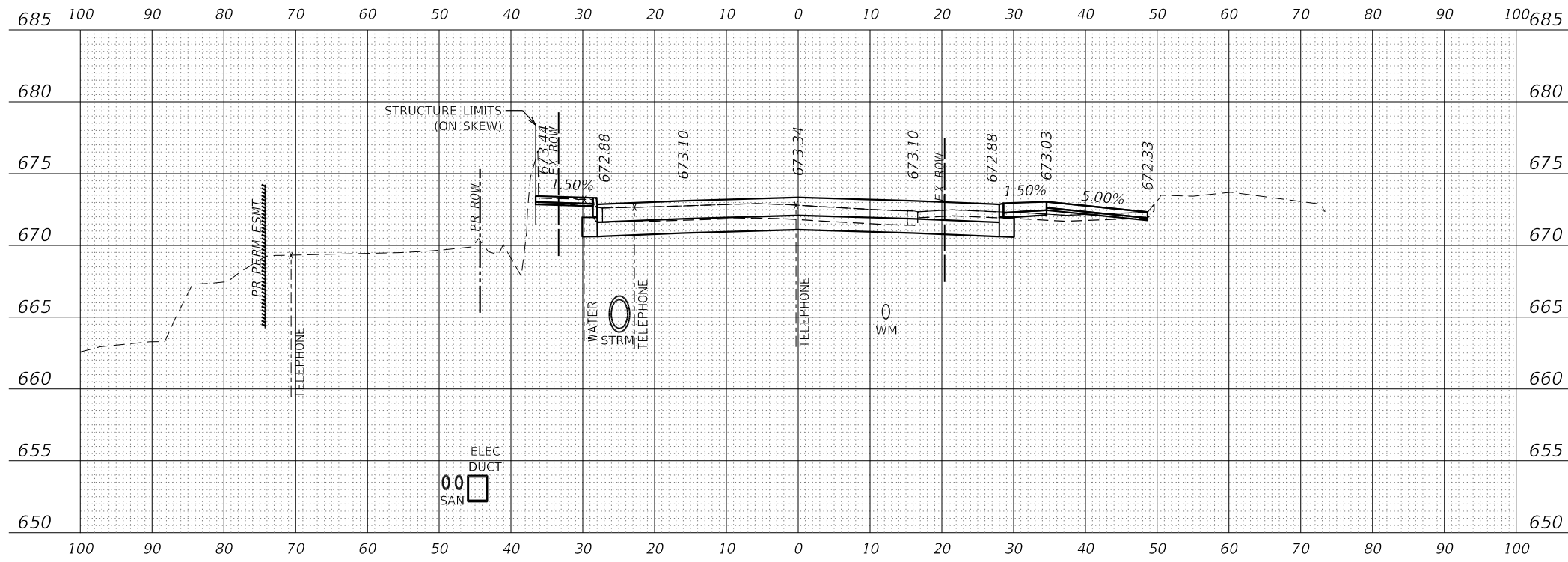


Stage 1
 C = 27.98 Sq. Ft.
 F = 0.00 Sq. Ft.

Stage 2
 C = 21.81 Sq. Ft.
 F = 4.23 Sq. Ft.

Stage 3
 C = 7.51 Sq. Ft.
 F = 0.00 Sq. Ft.

136 + 37.83 R1



Stage 1
 C = 24.00 Sq. Ft.
 F = 6.80 Sq. Ft.

Stage 2
 C = 20.00 Sq. Ft.
 F = 0.00 Sq. Ft.

Stage 3
 C = 11.90 Sq. Ft.
 F = 0.00 Sq. Ft.

136 + 10.95 R1

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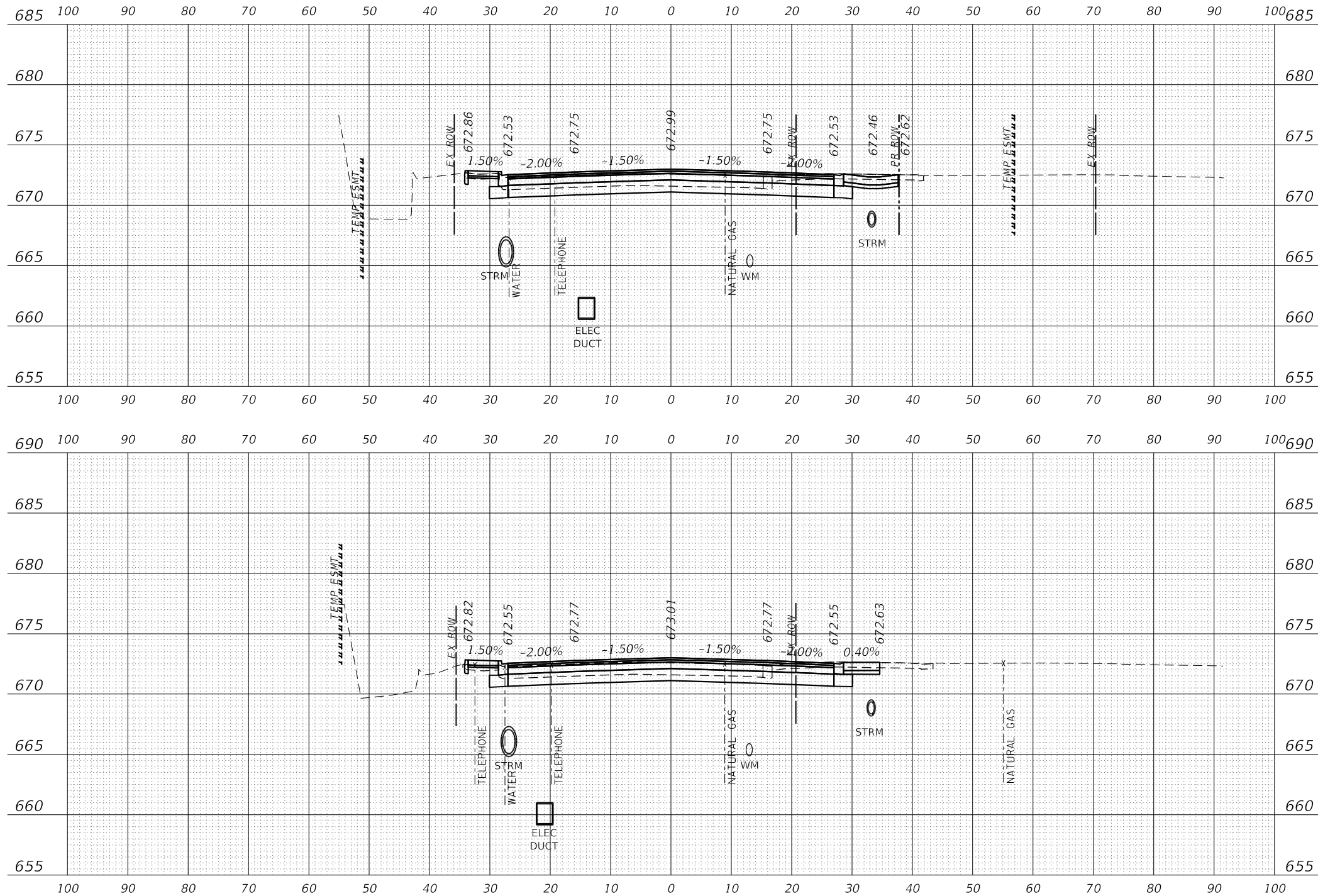
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PLOT DATE = 8/8/2022	DATE - 8/8/2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET
 CROSS SECTIONS

SCALE: 1" = 10' SHEET 5 OF 8 SHEETS STA. 136+10.95 R1 TO STA. 136+37.83 R1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	255
CONTRACT NO. 61G82				
ILLINOIS FED. AID PROJECT				



Stage 1
 C = 30.56 Sq. Ft.
 F = 0.00 Sq. Ft.

Stage 2
 C = 13.52 Sq. Ft.
 F = 0.00 Sq. Ft.

Stage 3
 C = 8.46 Sq. Ft.
 F = 0.00 Sq. Ft.

136 + 55.37 R1

Stage 1
 C = 27.68 Sq. Ft.
 F = 0.00 Sq. Ft.

Stage 2
 C = 13.13 Sq. Ft.
 F = 1.40 Sq. Ft.

Stage 3
 C = 8.32 Sq. Ft.
 F = 0.00 Sq. Ft.

136 + 50.00 R1

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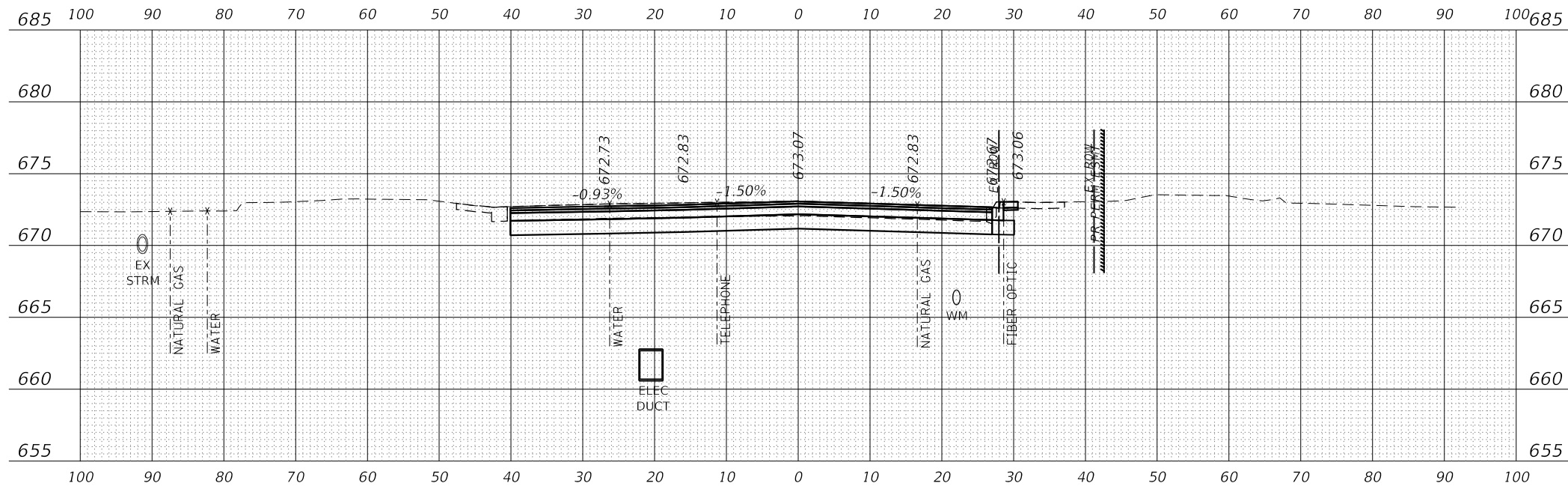
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	DRAWN - VZ	REVISED -
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PLOT DATE = 8/8/2022	DATE - 8/8/2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET
 CROSS SECTIONS

SCALE: 1" = 10' SHEET 6 OF 8 SHEETS STA. 136+50.00 R1 TO STA. 136+55.37 R1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	256
CONTRACT NO. 61G82				
ILLINOIS FED. AID PROJECT				



Stage 1
 C = 23.87 Sq. Ft.
 F = 0.00 Sq. Ft.

Stage 2
 C = 20.69 Sq. Ft.
 F = 0.00 Sq. Ft.

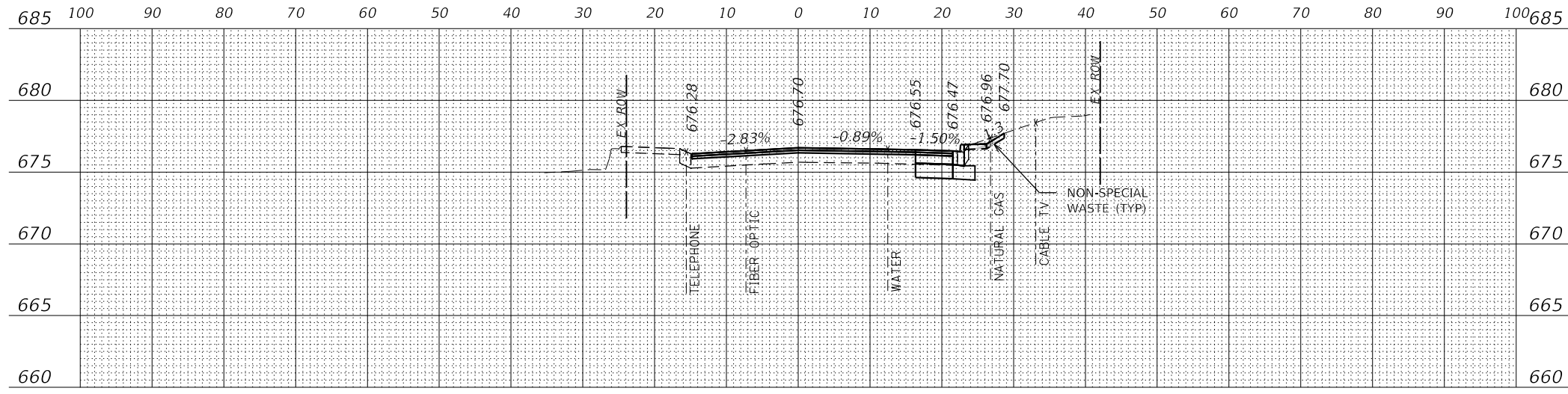
Stage 3
 C = 13.94 Sq. Ft.
 F = 0.00 Sq. Ft.

138 + 18.00 R1

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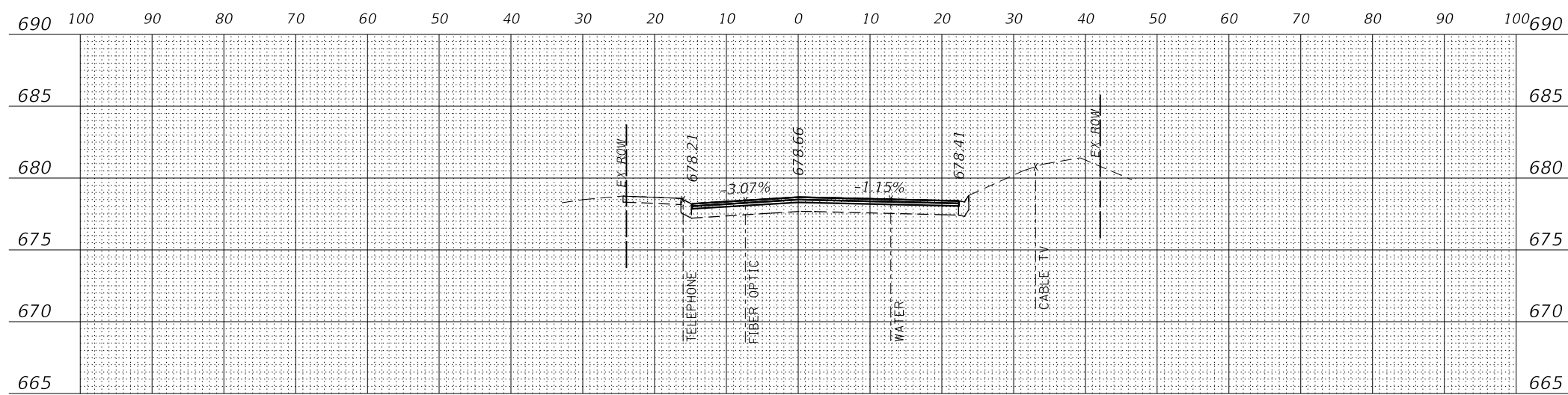
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	DRAWN - VZ	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DD	REVISED -
PLOT DATE = 8/8/2022	DATE - 8/8/2022	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	258
CONTRACT NO. 61G82				
ILLINOIS		FED. AID PROJECT		



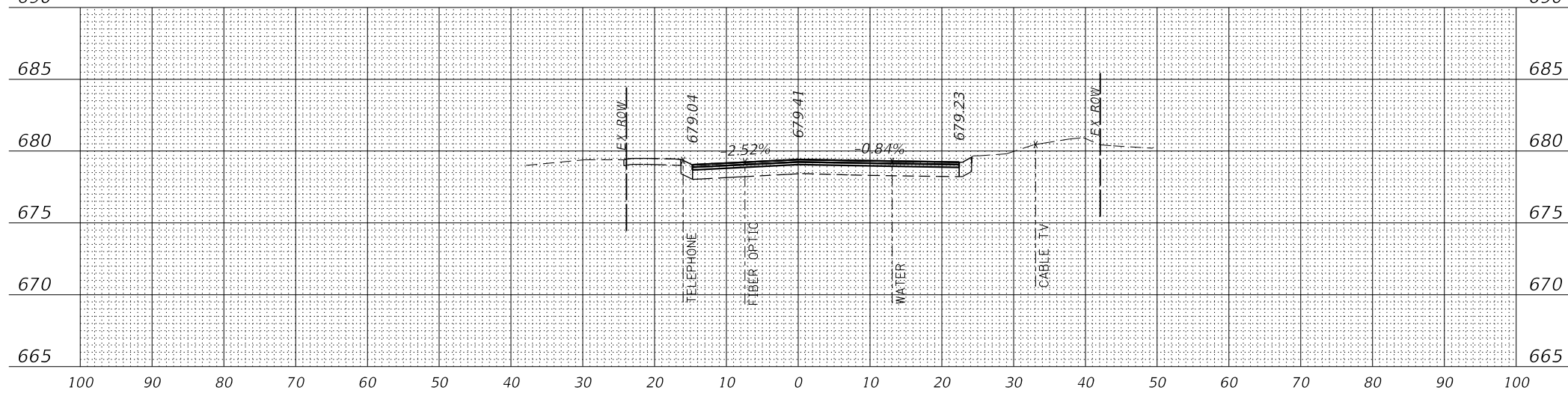
C = 10.22 Sq. Ft.
F = 0.00 Sq. Ft.

202+50.00 R1



C = 0.00 Sq. Ft.
F = 0.00 Sq. Ft.

202+00.00 R1



C = 0.00 Sq. Ft.
F = 0.00 Sq. Ft.

201+76.64 R1

MODEL: 1409161.MXD
FILE NAME: C:\PROJ\020794\01\Drawings\sections\020794_01_PRCorridor-Aurora35.dwg



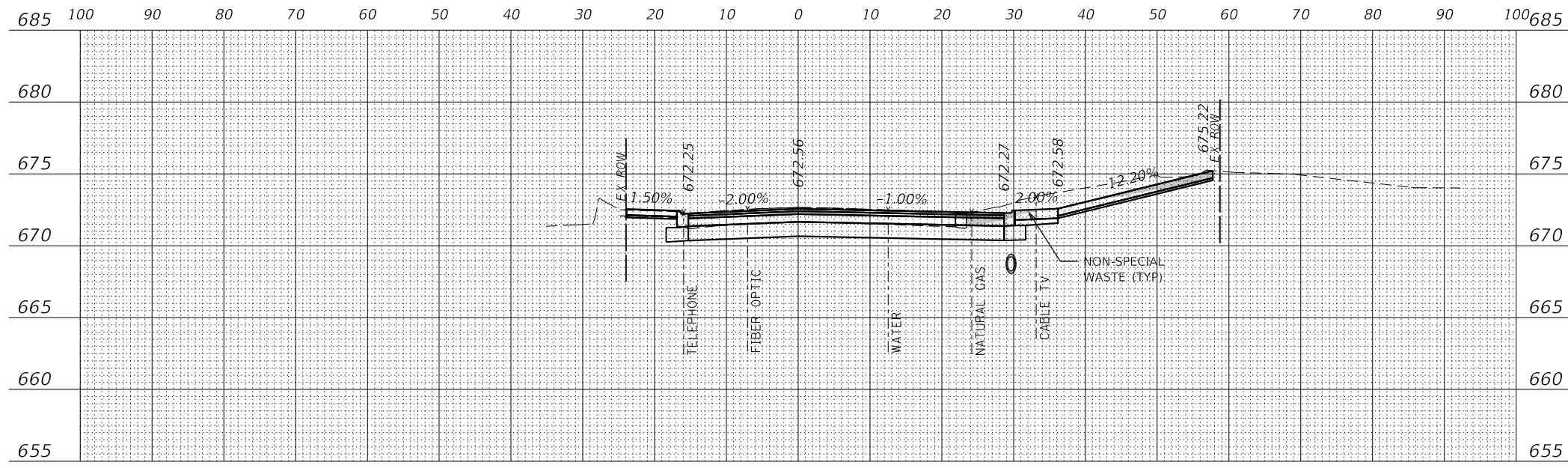
USER NAME = Roadway	DESIGNED - TBH	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - VZ	REVISED -
PLOT DATE = 8/8/2022	CHECKED - DD	REVISED -
	DATE - 8/8/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

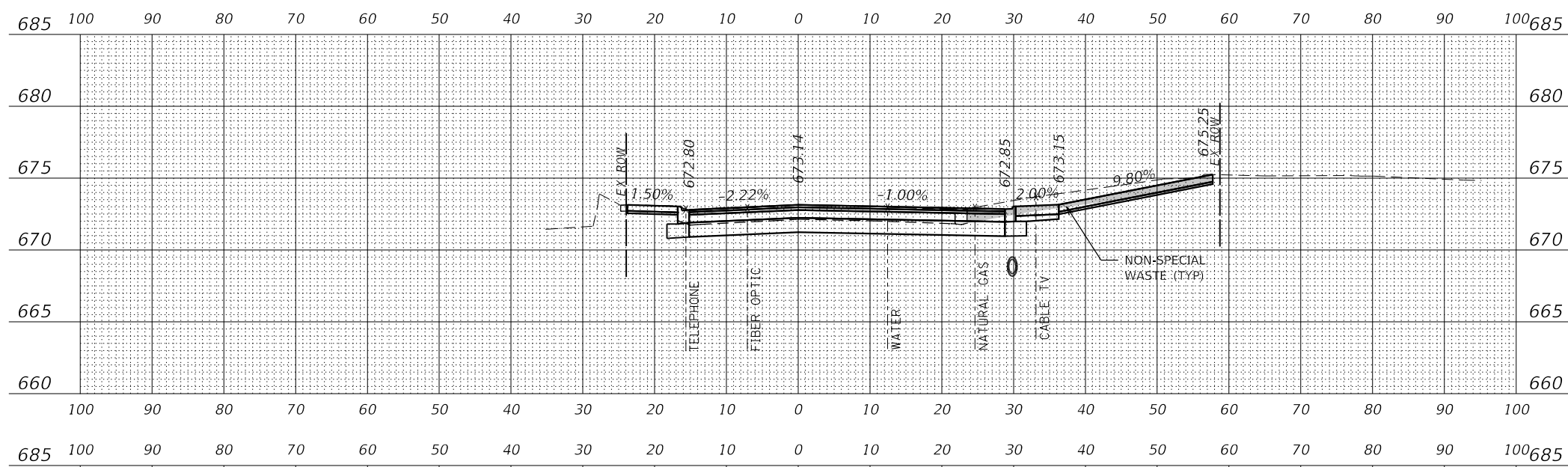
AURORA AVENUE
CROSS SECTIONS

SCALE: 1" = 10' SHEET 1 OF 3 SHEETS STA. 201+76.64 R1 TO STA. 202+50.00 R1

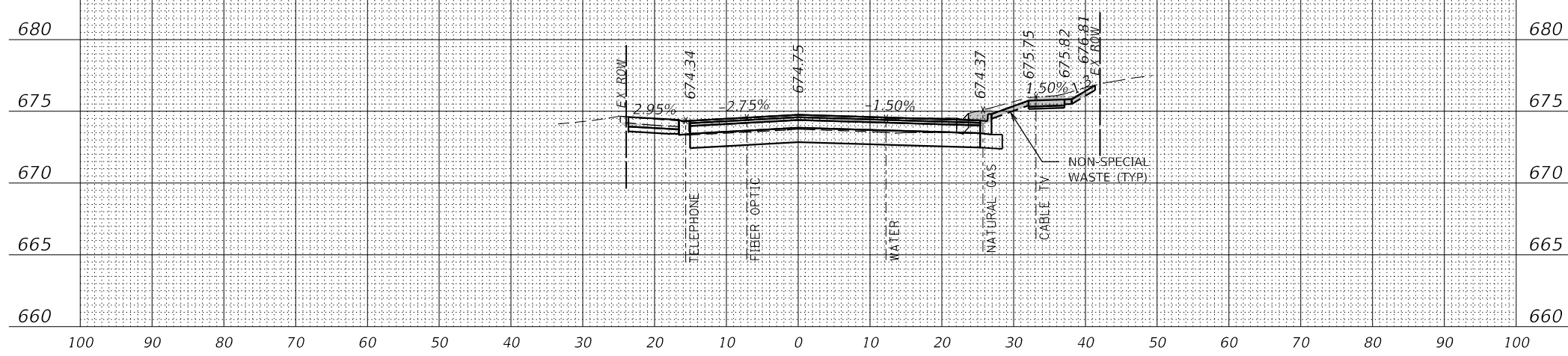
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	259
CONTRACT NO. 61G82				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



C = 75.72 Sq. Ft.
 F = 0.00 Sq. Ft.
203+70.00 R1



C = 70.97 Sq. Ft.
 F = 0.00 Sq. Ft.
203+50.00 R1



C = 55.68 Sq. Ft.
 F = 0.00 Sq. Ft.
203+00.00 R1

MODEL: 1408161.MXD
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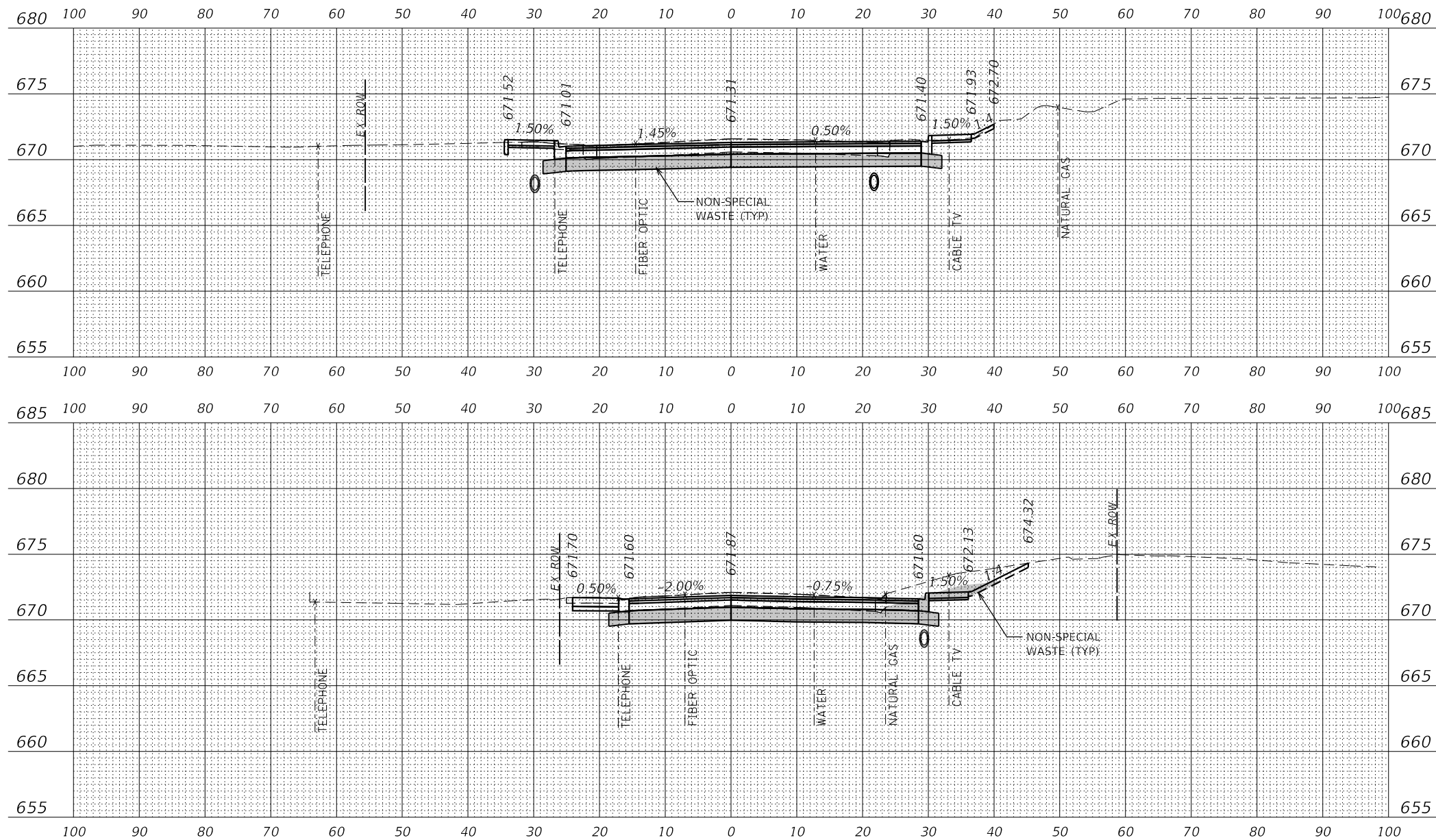
USER NAME = Roadway	DESIGNED - TBH	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - VZ	REVISED -
PLOT DATE = 8/8/2022	CHECKED - DD	REVISED -
	DATE - 8/8/2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 10'	SHEET 2	OF 3 SHEETS	STA. 203+00.00 R1 TO STA. 203+70.00 R1
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AURORA AVENUE
 CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	260
CONTRACT NO. 61G82				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



C = 69.96 Sq. Ft.
F = 0.00 Sq. Ft.

204 + 50.00 R1

C = 86.20 Sq. Ft.
F = 0.00 Sq. Ft.

204 + 00.00 R1

MODEL: \\AURORA\MAPS\FILE NAME: \\AURORA\020794\01\Drawings\sections\020794_01_PRCorridor-Aurora35.dwg



USER NAME = Roadway	DESIGNED - TBH	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - VZ	REVISED -
PLOT DATE = 8/8/2022	CHECKED - DD	REVISED -
	DATE - 8/8/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**AURORA AVENUE
CROSS SECTIONS**

SCALE: 1" = 10' SHEET 3 OF 3 SHEETS STA. 204+00.00 R1 TO STA. 204+50.00 R1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	16-00167-00-BR	DUPAGE	261	261
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G82	